

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042519\
 Data File : VD062031.D
 Acq On : 25 Apr 2019 11:33
 Operator : VA/AP
 Sample : VD0425SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Quant Time: Apr 25 11:57:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	557250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	875833	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	804886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	379147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	241195	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
35) Dibromofluoromethane	6.93	113	352722	58.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.46%	
50) Toluene-d8	10.42	98	827755	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
62) 4-Bromofluorobenzene	13.56	95	324899	56.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.40%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.58	85	96573	19.408 ug/l	95
3) Chloromethane	1.76	50	77162	18.246 ug/l	93
4) Vinyl Chloride	1.85	62	77516	20.223 ug/l	98
5) Bromomethane	2.16	94	19812	17.039 ug/l #	80
6) Chloroethane	2.27	64	23779	17.162 ug/l	99
7) Trichlorofluoromethane	2.53	101	131358	22.665 ug/l	93
8) Diethyl Ether	2.88	74	31698	20.407 ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.15	101	116619	21.843 ug/l	94
10) Methyl Iodide	3.31	142	130431	19.723 ug/l	94
11) Tert butyl alcohol	4.08	59	27492	111.566 ug/l #	94
12) 1,1-Dichloroethene	3.13	96	95425	21.009 ug/l	97
13) Acrolein	3.05	56	30306	118.533 ug/l	99
14) Allyl chloride	3.63	41	134677	21.714 ug/l	96
15) Acrylonitrile	4.21	53	76011	99.615 ug/l	96
16) Acetone	3.23	43	110711	106.314 ug/l	99
17) Carbon Disulfide	3.38	76	260829	19.872 ug/l	98
18) Methyl Acetate	3.65	43	43792	21.976 ug/l #	86
19) Methyl tert-butyl Ether	4.25	73	176014	19.530 ug/l	96
20) Methylene Chloride	3.82	84	120224	21.924 ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	97718	18.753 ug/l	92
22) Diisopropyl ether	5.12	45	287971	19.886 ug/l	92
23) Vinyl Acetate	5.06	43	763530	101.249 ug/l	97
24) 1,1-Dichloroethane	4.99	63	177033	20.227 ug/l	98
25) 2-Butanone	6.08	43	127647	101.101 ug/l	97
26) 2,2-Dichloropropane	6.03	77	159470	20.885 ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	117720	19.859 ug/l	95
28) Bromochloromethane	6.45	49	71136	21.242 ug/l	100
29) Tetrahydrofuran	6.46	42	61232	98.428 ug/l	98
30) Chloroform	6.68	83	204196	20.541 ug/l	97
31) Cyclohexane	6.96	56	132550	20.404 ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	176051	20.354 ug/l	96
36) 1,1-Dichloropropene	7.15	75	146743	21.505 ug/l	98
37) Ethyl Acetate	6.19	43	58207	20.017 ug/l #	93
38) Carbon Tetrachloride	7.12	117	186932	21.619 ug/l	98

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 ClientSampleId :
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Quant Time: Apr 25 11:57:11 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	138131	20.517	ug/l	95
40) Benzene	7.47	78	337756	19.994	ug/l	99
41) Methacrylonitrile	6.46	41	70019	20.638	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	125848	21.941	ug/l	99
43) Isopropyl Acetate	9.25	43	77984	18.355	ug/l	97
44) Trichloroethene	8.55	130	125485	19.160	ug/l	99
45) 1,2-Dichloropropane	8.94	63	82842	19.330	ug/l	99
46) Dibromomethane	9.07	93	61350	19.895	ug/l	93
47) Bromodichloromethane	9.39	83	155296	21.313	ug/l	100
48) Methyl methacrylate	9.13	41	51793	21.366	ug/l	95
49) 1,4-Dioxane	9.09	88	10490	401.377	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	304116	117.042	ug/l	98
52) Toluene	10.52	92	254539	23.631	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	143179	23.410	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	153337	20.613	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	84438	23.350	ug/l	97
56) Ethyl methacrylate	11.05	69	96678	24.139	ug/l	99
57) 1,3-Dichloropropane	11.41	76	124153	22.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	239561	128.654	ug/l	96
59) 2-Hexanone	11.53	43	212817	109.186	ug/l	96
60) Dibromochloromethane	11.69	129	137861	23.041	ug/l	99
61) 1,2-Dibromoethane	11.81	107	98881	23.051	ug/l	99
64) Tetrachloroethene	11.27	164	114303	19.908	ug/l	97
65) Chlorobenzene	12.41	112	286834	18.859	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	130352	20.205	ug/l	99
67) Ethyl Benzene	12.53	91	497717	20.049	ug/l	99
68) m/p-Xylenes	12.67	106	364950	40.675	ug/l	97
69) o-Xylene	13.06	106	158053	19.253	ug/l	97
70) Styrene	13.08	104	303165	21.387	ug/l	98
71) Bromoform	13.23	173	69668	18.941	ug/l #	95
73) Isopropylbenzene	13.40	105	469787	18.575	ug/l	99
74) N-amyl acetate	13.26	43	120946	18.568	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	95345	19.237	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	85355	17.728	ug/l	100
77) Bromobenzene	13.68	156	137501	18.952	ug/l	99
78) n-propylbenzene	13.78	91	586473	20.256	ug/l	100
79) 2-Chlorotoluene	13.84	91	335402	19.125	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	386697	19.175	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	29599	20.287	ug/l	98
82) 4-Chlorotoluene	13.95	91	365473	18.923	ug/l	98
83) tert-Butylbenzene	14.19	119	412469	17.656	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	386674	20.081	ug/l	95
85) sec-Butylbenzene	14.37	105	475731	18.846	ug/l	96
86) p-Isopropyltoluene	14.49	119	458656	20.302	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	251269	19.776	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	242903	20.443	ug/l	95
89) n-Butylbenzene	14.80	91	406405	20.037	ug/l	95
90) Hexachloroethane	15.01	117	108293	17.727	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	207128	19.763	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12063	18.242	ug/l	80

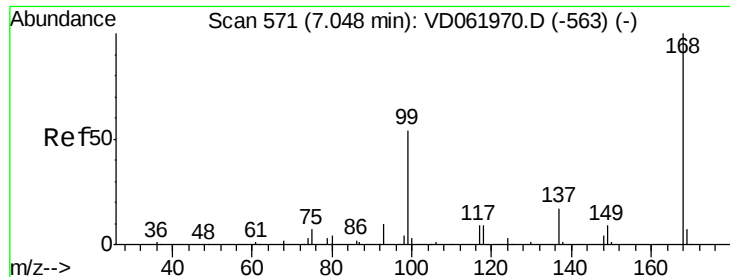
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD042519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	101390	17.930	ug/l	96
94) Hexachlorobutadiene	16.04	225	81063	19.371	ug/l	98
95) Naphthalene	16.13	128	157566	17.257	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	61745	19.244	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

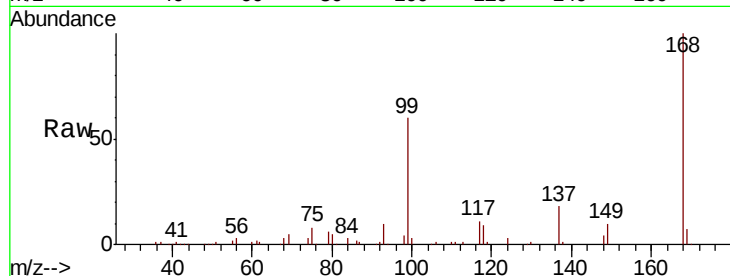
VD0425SBS01

Tgt Ion:168 Resp: 557250

Ion Ratio Lower Upper

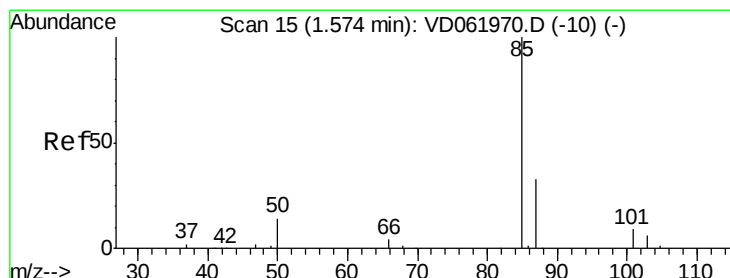
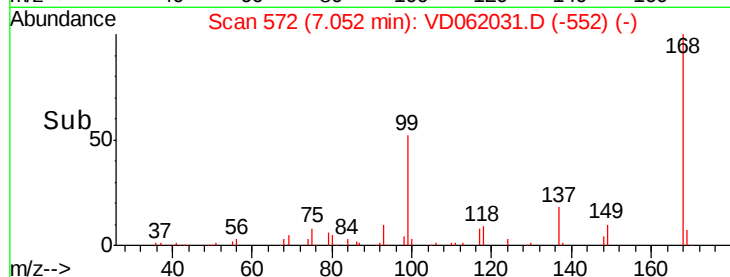
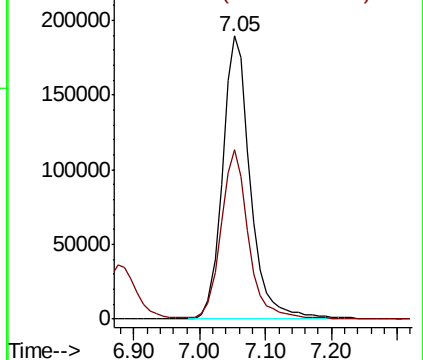
168 100

99 60.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.408 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062031.D

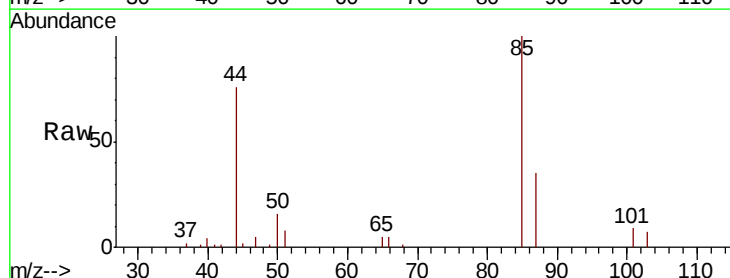
Acq: 25 Apr 2019 11:33

Tgt Ion: 85 Resp: 96573

Ion Ratio Lower Upper

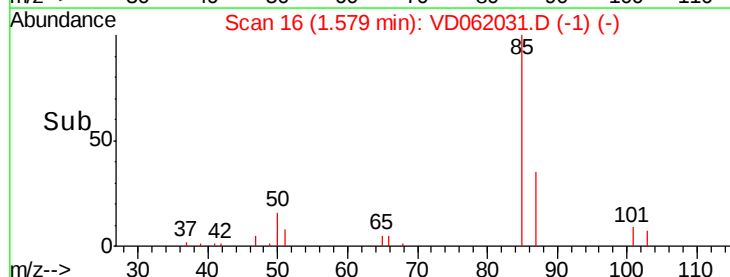
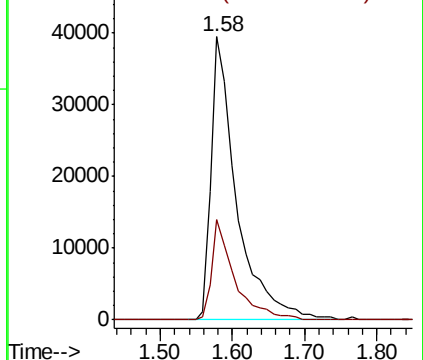
85 100

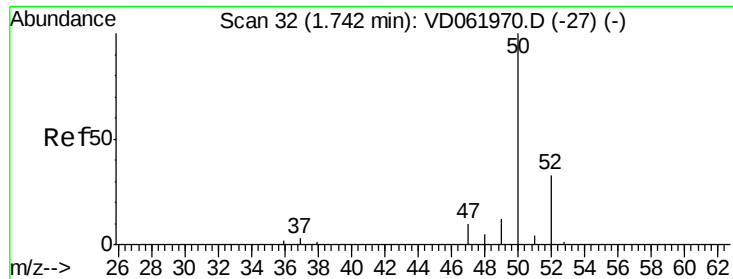
87 35.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

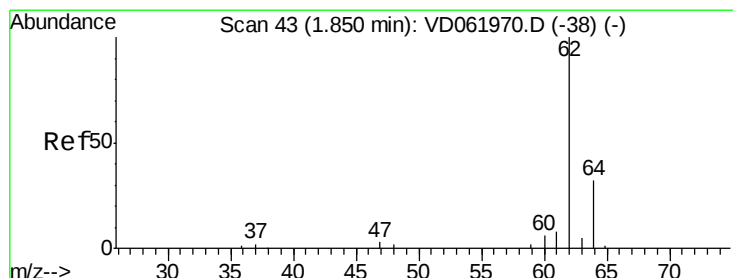
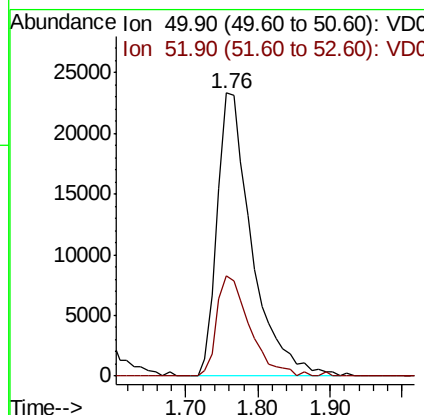
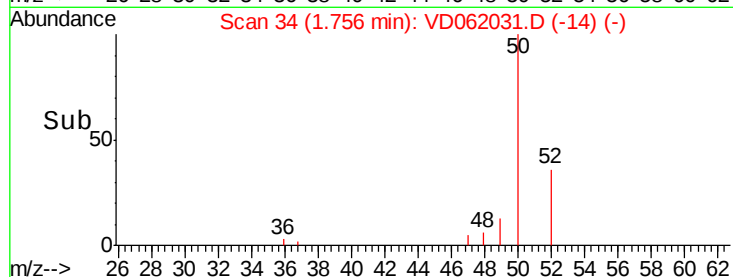
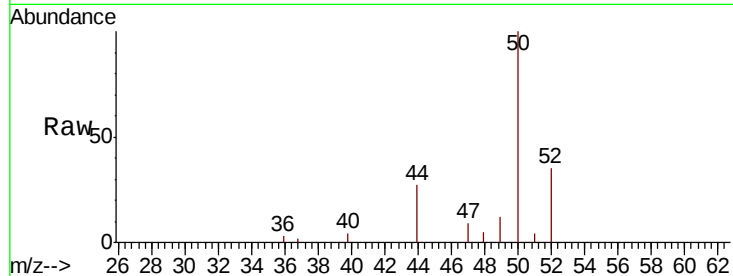




#3
 Chloromethane
 Concen: 18.246 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

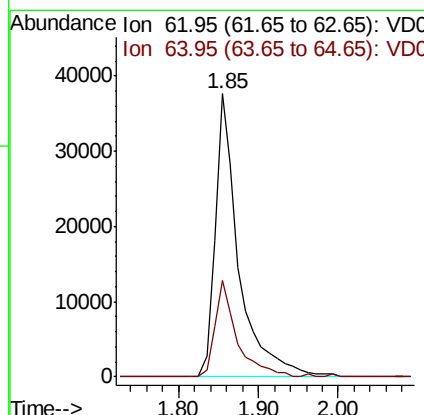
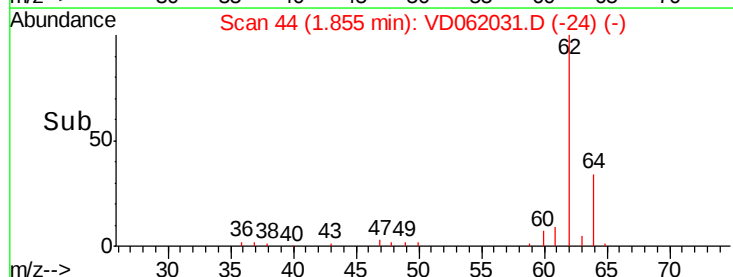
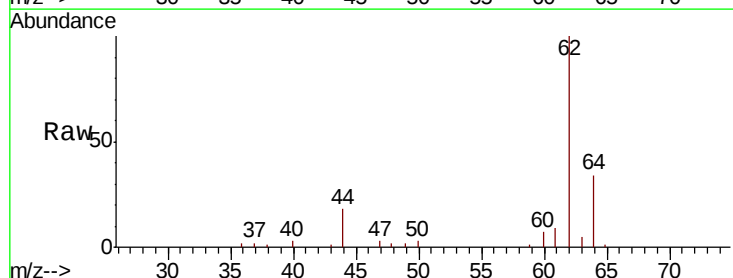
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0425SBS01

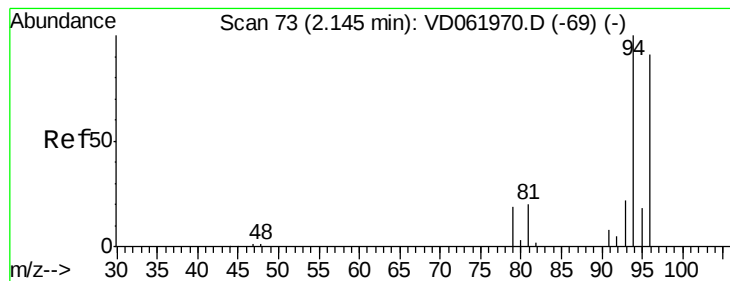
Tgt Ion: 50 Resp: 77162
 Ion Ratio Lower Upper
 50 100
 52 35.3 25.2 37.8



#4
 Vinyl Chloride
 Concen: 20.223 ug/l
 RT: 1.85 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 62 Resp: 77516
 Ion Ratio Lower Upper
 62 100
 64 34.0 26.5 39.7





#5

Bromomethane

Concen: 17.039 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

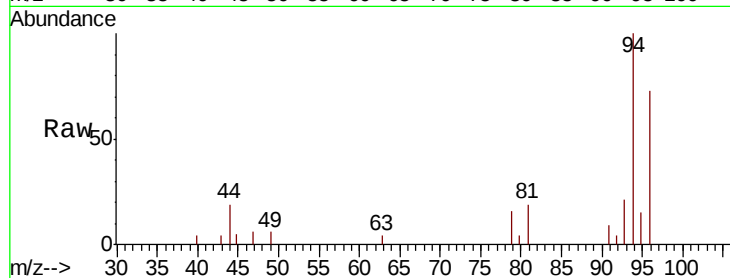
Tgt Ion: 94 Resp: 19812

Ion Ratio Lower Upper

94 100

96 72.7 76.6 115.0#

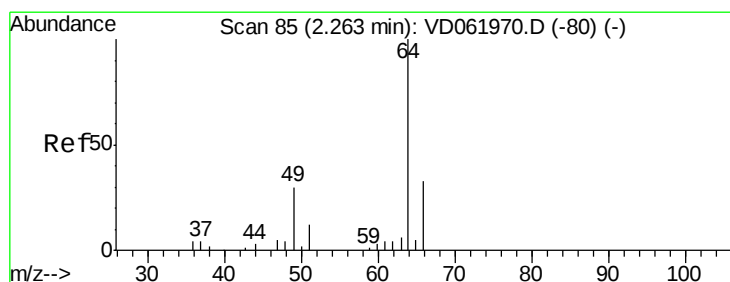
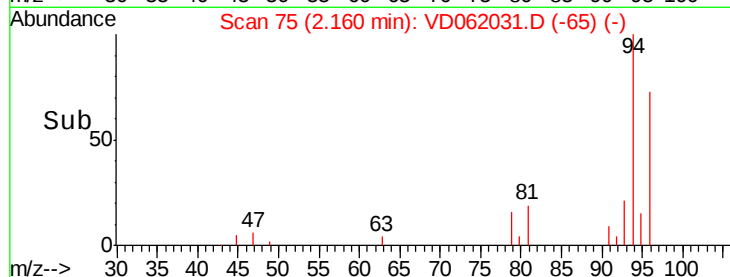
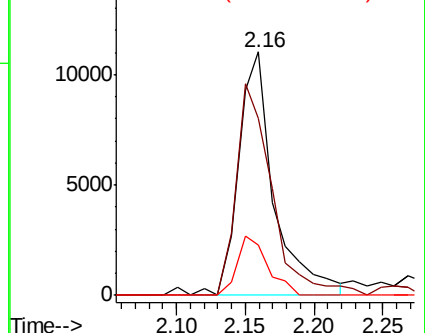
93 20.6 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.162 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD062031.D

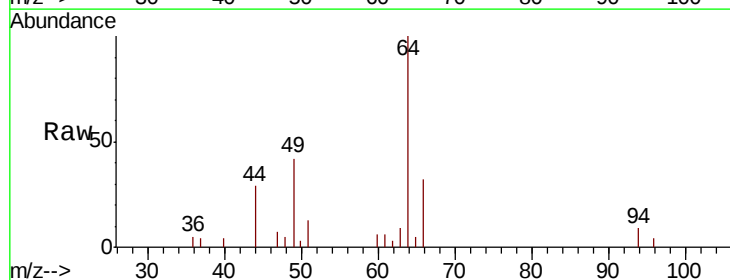
Acq: 25 Apr 2019 11:33

Tgt Ion: 64 Resp: 23779

Ion Ratio Lower Upper

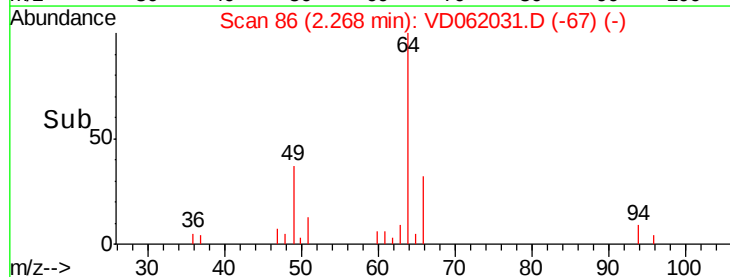
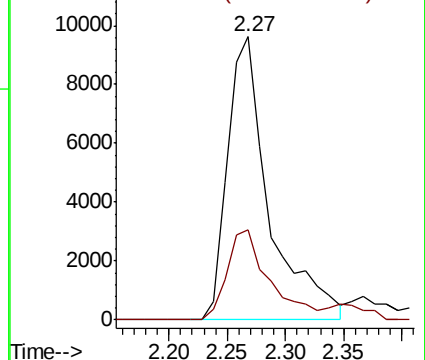
64 100

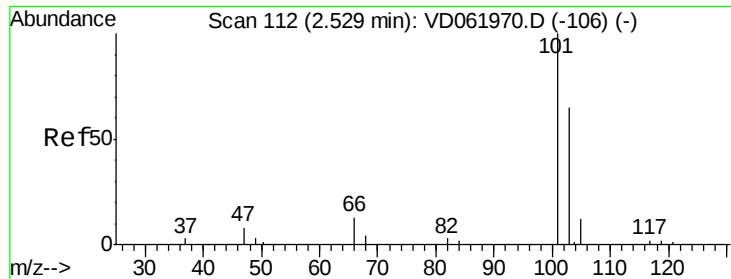
66 31.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



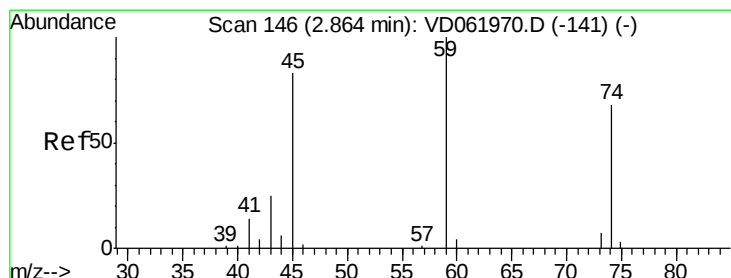
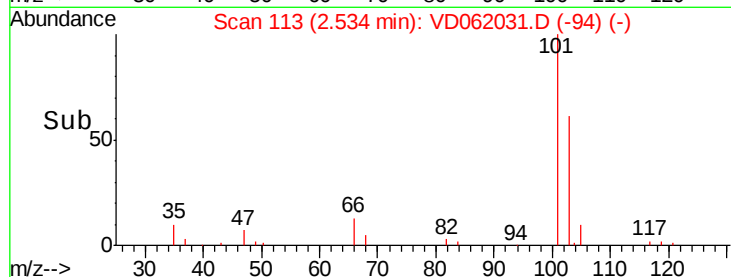
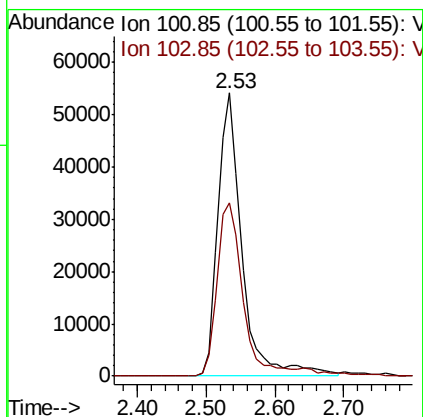
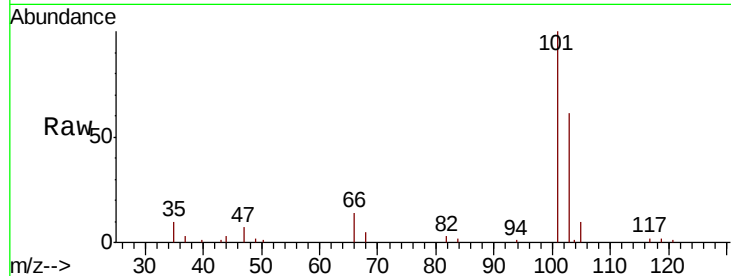


#7

Trichlorofluoromethane
 Concen: 22.665 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

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 VD0425SBS01

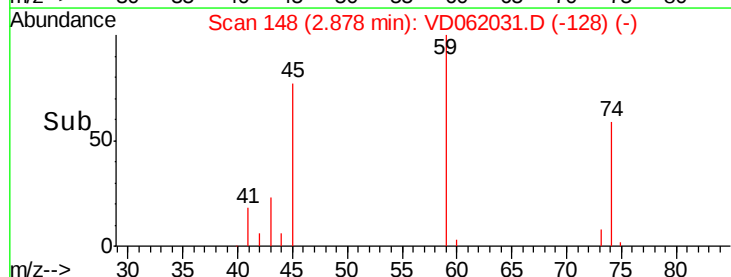
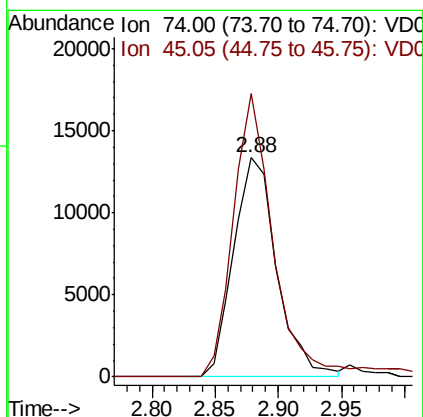
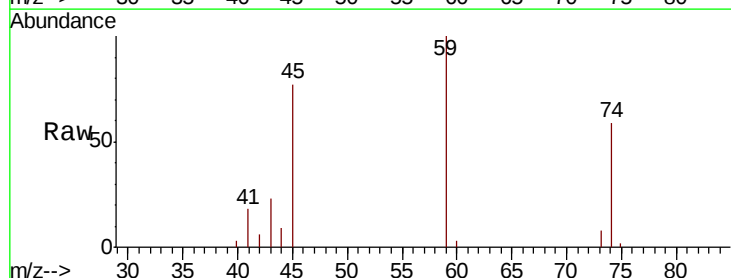
Tgt Ion: 101 Resp: 131358
 Ion Ratio Lower Upper
 101 100
 103 61.1 53.6 80.4

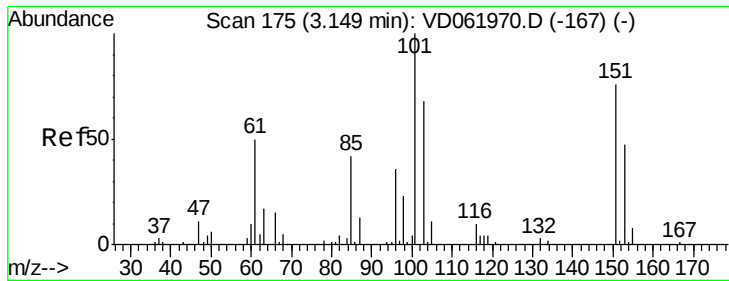


#8

Diethyl Ether
 Concen: 20.407 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 74 Resp: 31698
 Ion Ratio Lower Upper
 74 100
 45 129.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.843 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

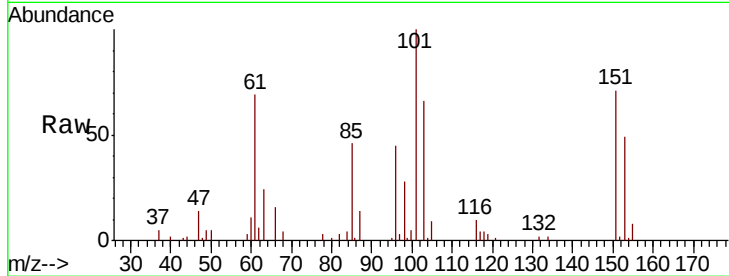
Tgt Ion:101 Resp: 116619

Ion Ratio Lower Upper

101 100

85 46.4 32.4 48.6

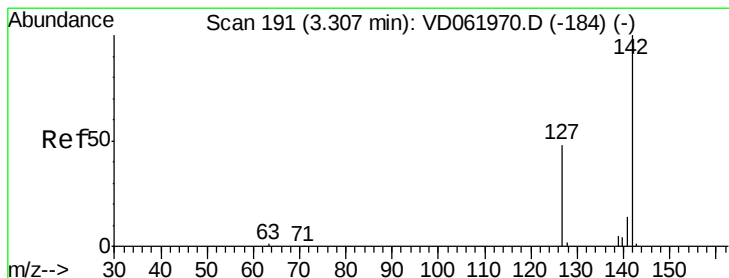
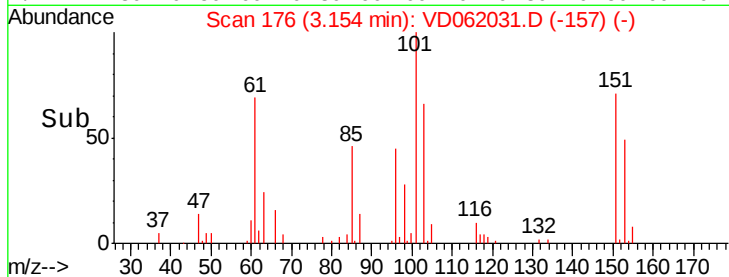
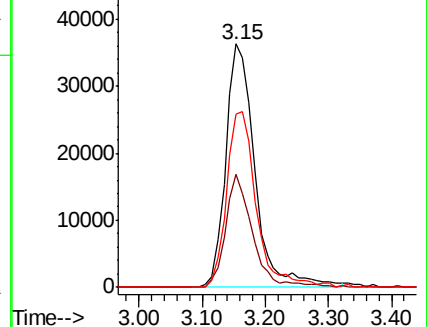
151 71.1 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.723 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

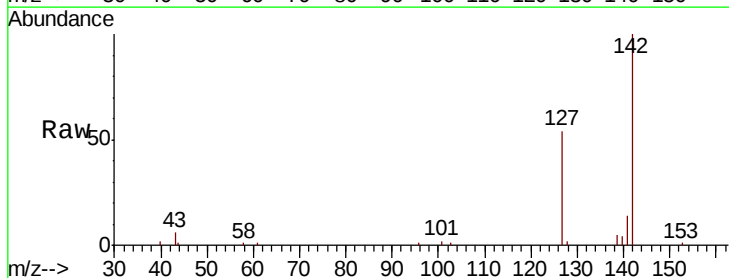
Tgt Ion:142 Resp: 130431

Ion Ratio Lower Upper

142 100

127 53.6 38.8 58.2

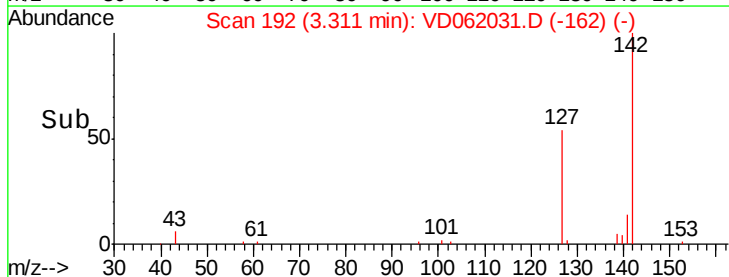
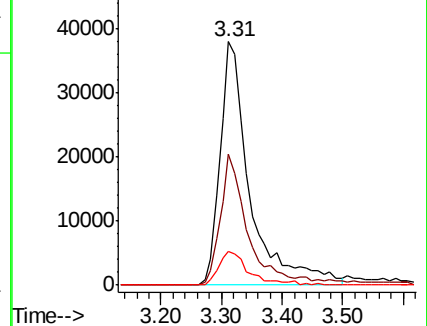
141 13.8 11.4 17.0

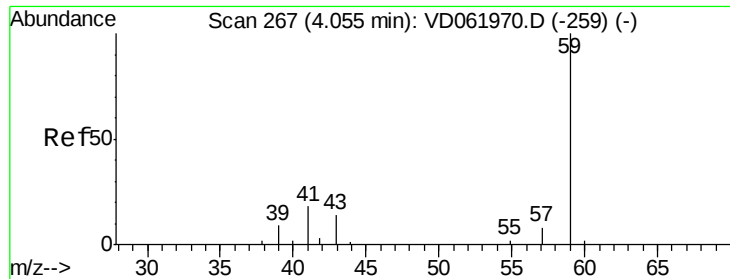


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

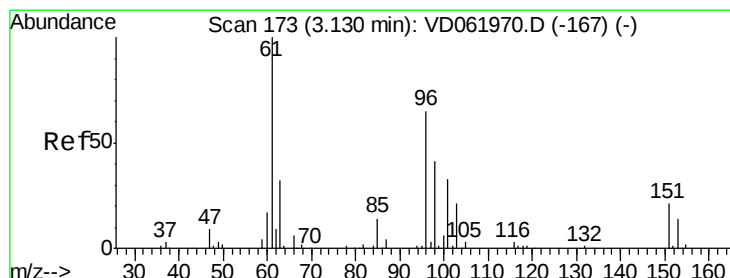
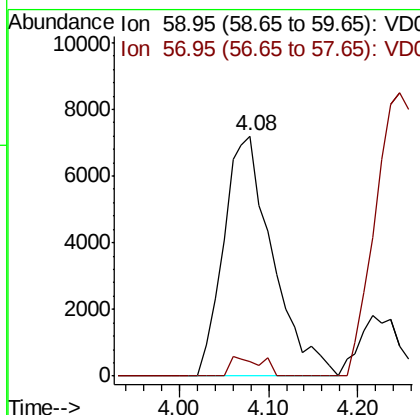
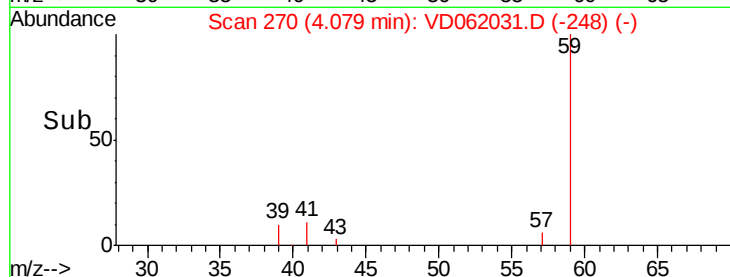
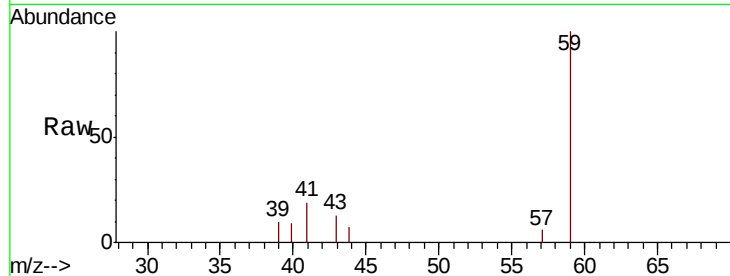




#11
Tert butyl alcohol
Concen: 111.566 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

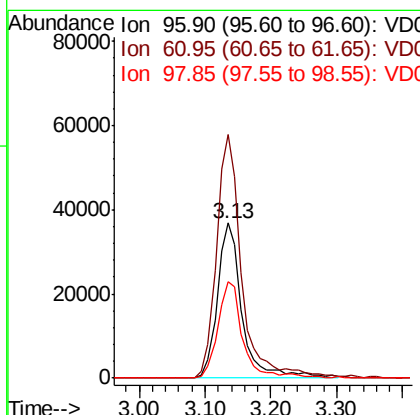
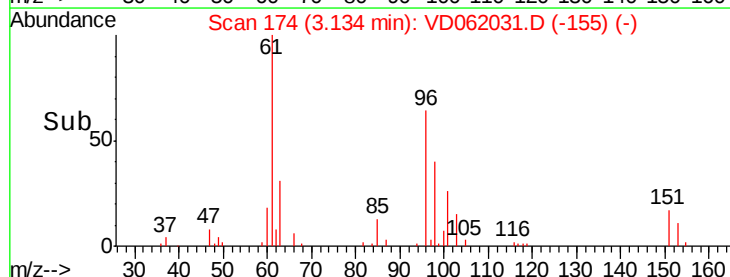
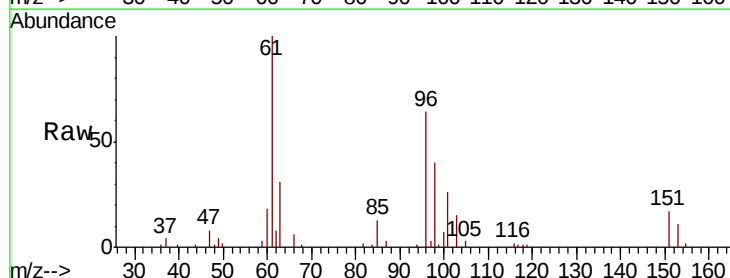
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

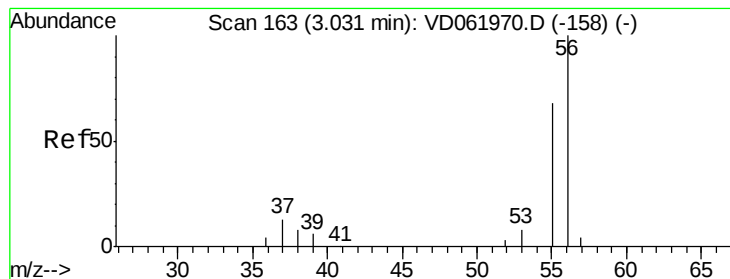
Tgt Ion: 59 Resp: 27492
Ion Ratio Lower Upper
59 100
57 6.3 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 21.009 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 96 Resp: 95425
Ion Ratio Lower Upper
96 100
61 157.3 129.8 194.8
98 62.2 51.2 76.8





#13

Acrolein

Concen: 118.533 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

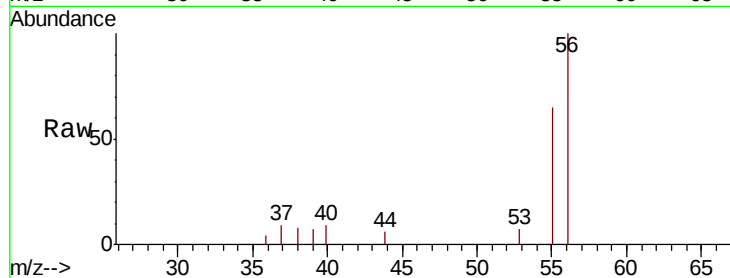
VD0425SBS01

Tgt Ion: 56 Resp: 30306

Ion Ratio Lower Upper

56 100

55 65.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

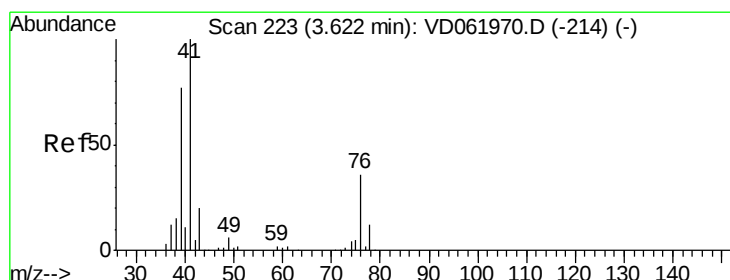
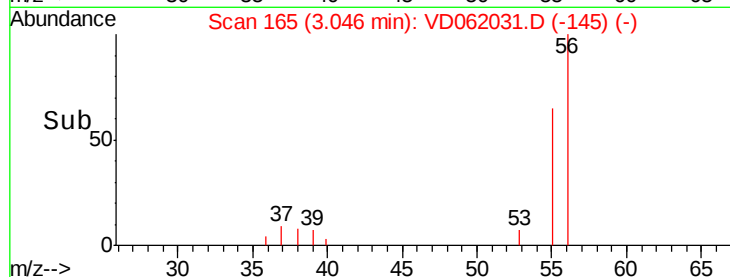
3.05

10000

5000

0

Time--> 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 21.714 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

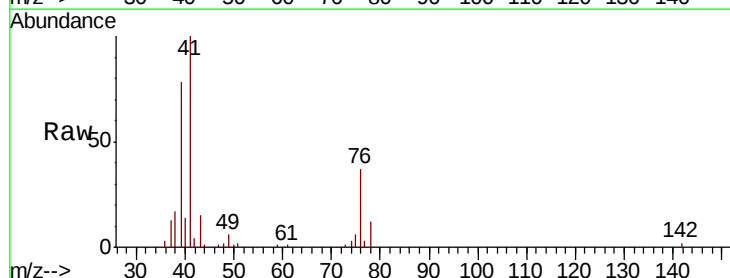
Tgt Ion: 41 Resp: 134677

Ion Ratio Lower Upper

41 100

39 78.2 60.5 90.7

76 36.5 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.63

60000

50000

40000

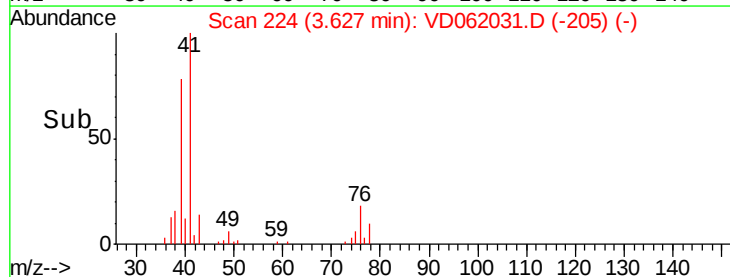
30000

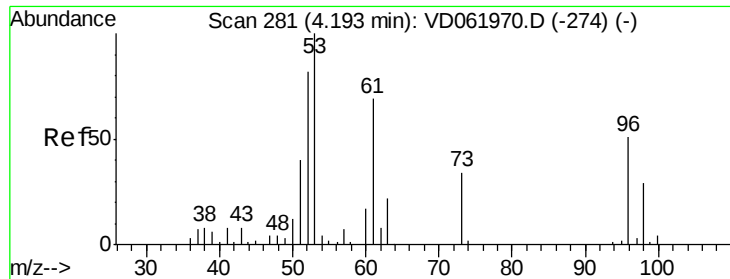
20000

10000

0

Time--> 3.50 3.60 3.70 3.80

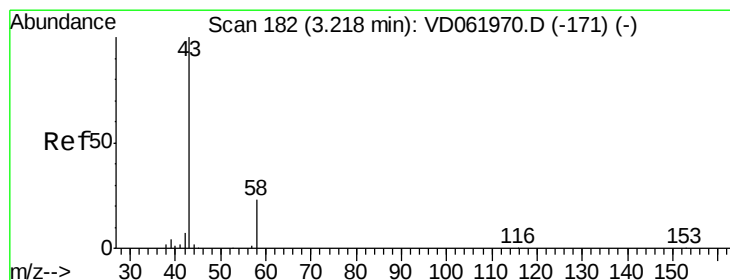
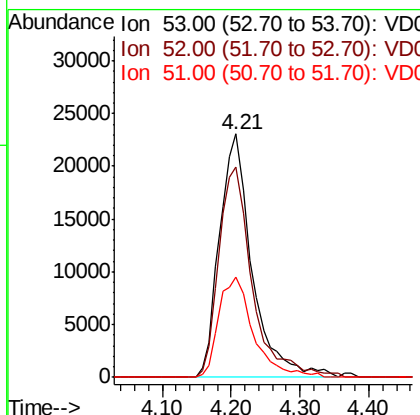
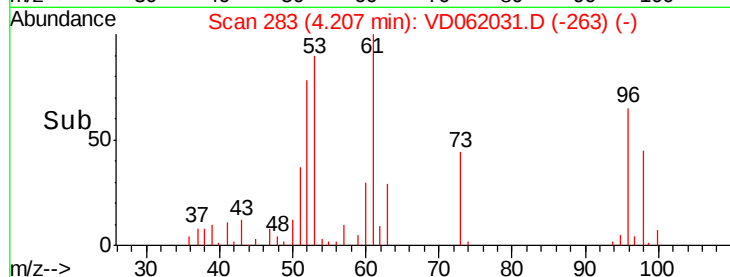
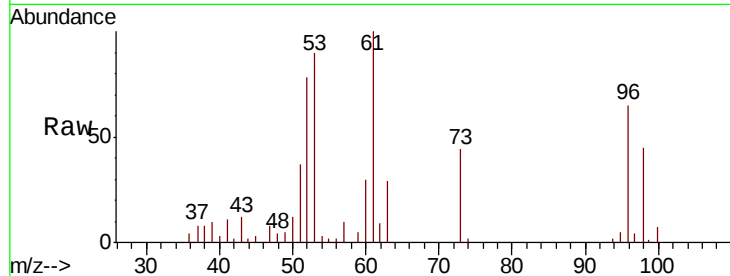




#15
 Acrylonitrile
 Concen: 99.615 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

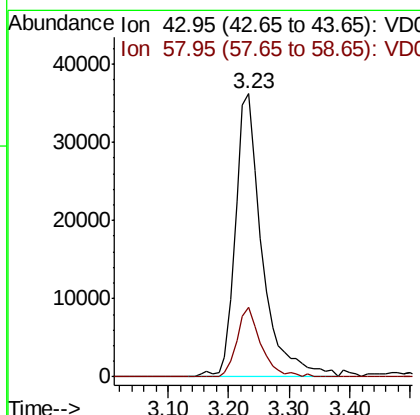
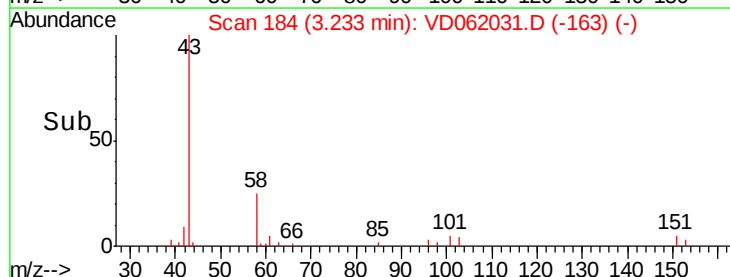
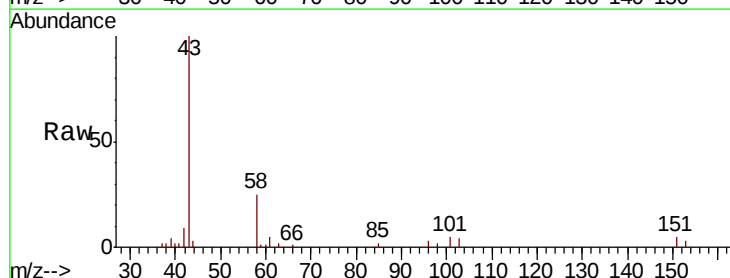
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

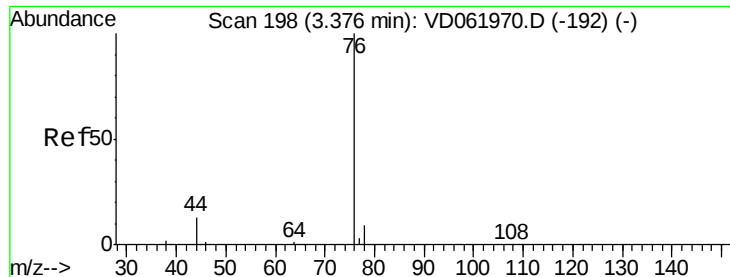
Tgt Ion: 53 Resp: 76011
 Ion Ratio Lower Upper
 53 100
 52 86.4 65.0 97.4
 51 41.3 32.6 48.8



#16
 Acetone
 Concen: 106.314 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 43 Resp: 110711
 Ion Ratio Lower Upper
 43 100
 58 24.6 19.9 29.9

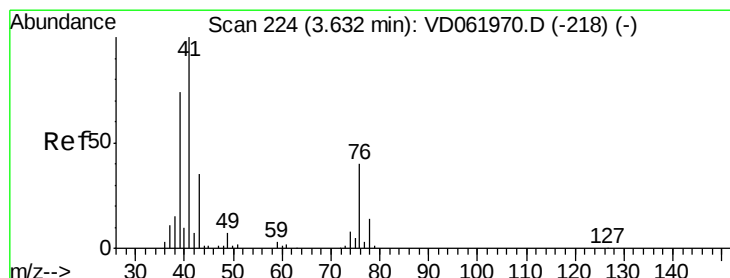
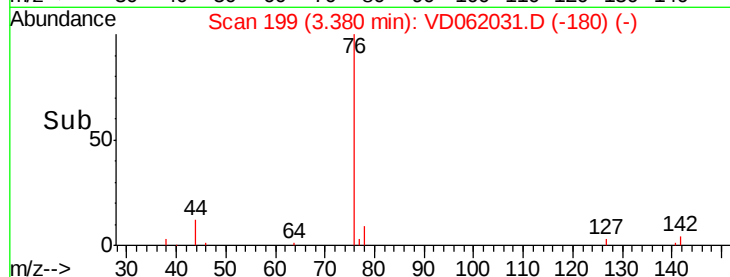
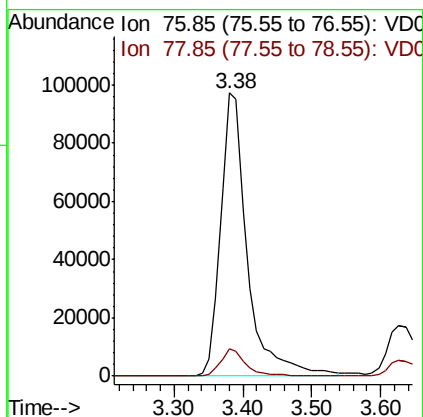
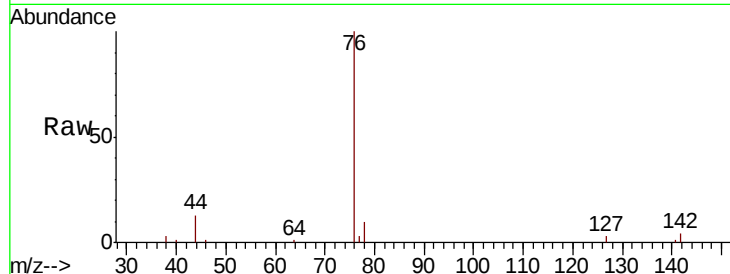




#17
Carbon Disulfide
Concen: 19.872 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

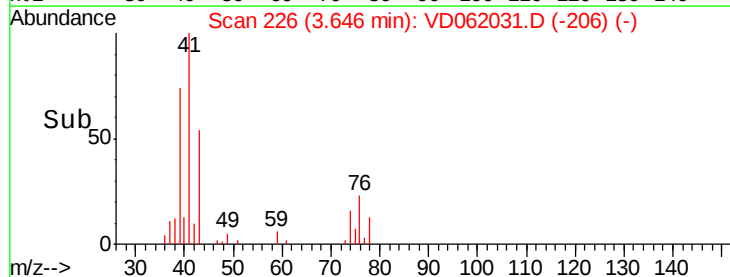
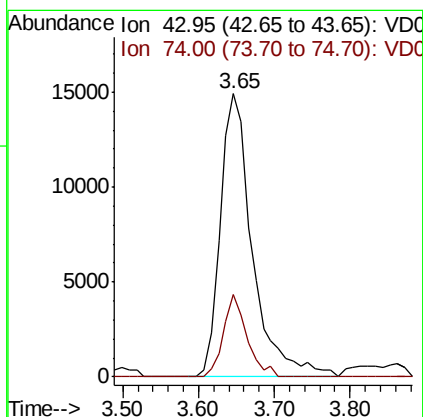
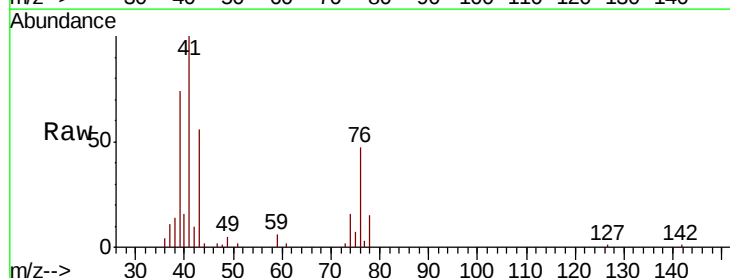
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

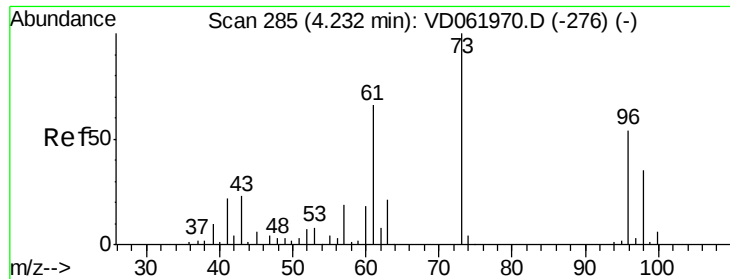
Tgt Ion: 76 Resp: 260829
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 21.976 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 43 Resp: 43792
Ion Ratio Lower Upper
43 100
74 29.2 18.0 27.0#

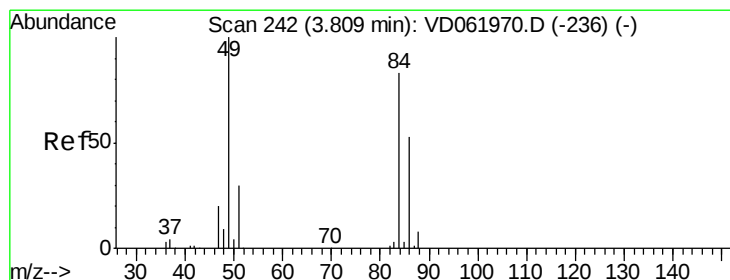
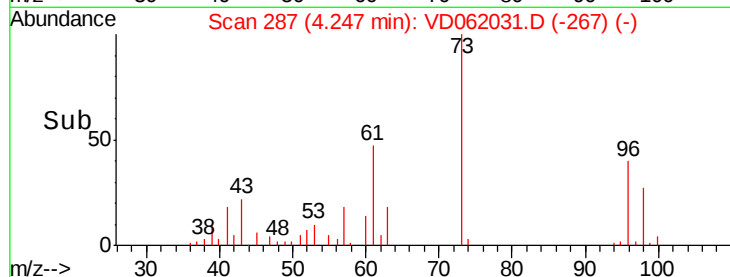
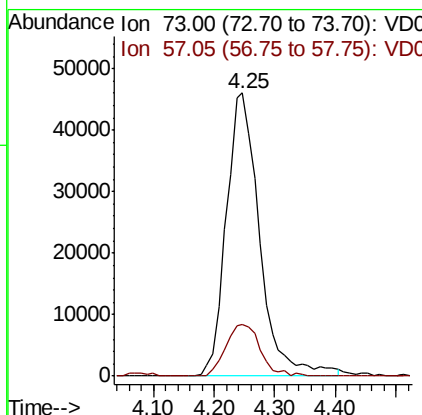
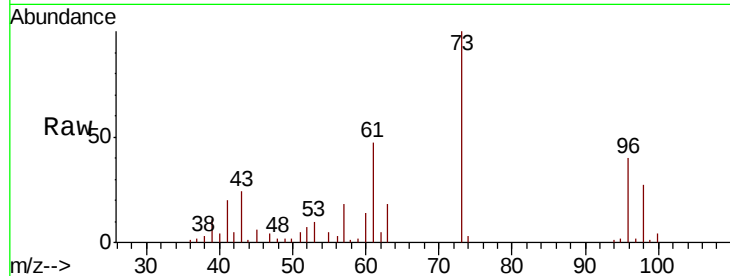




#19
Methyl tert-butyl Ether
Concen: 19.530 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

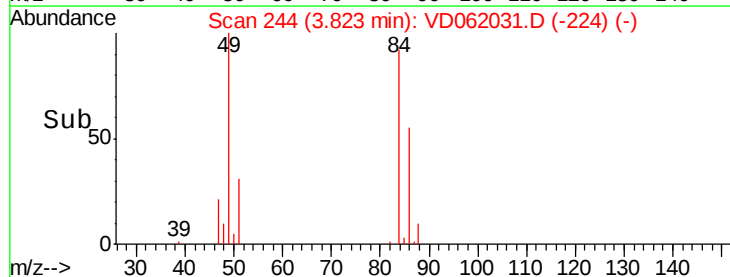
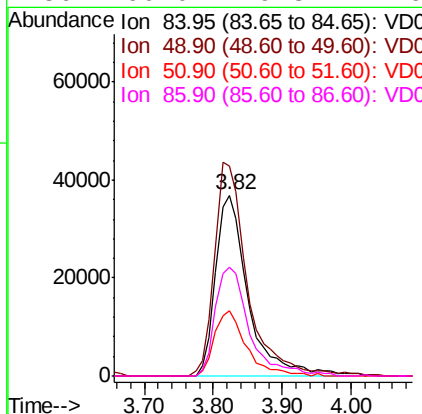
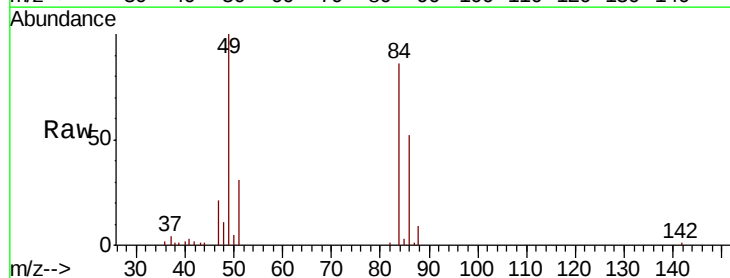
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

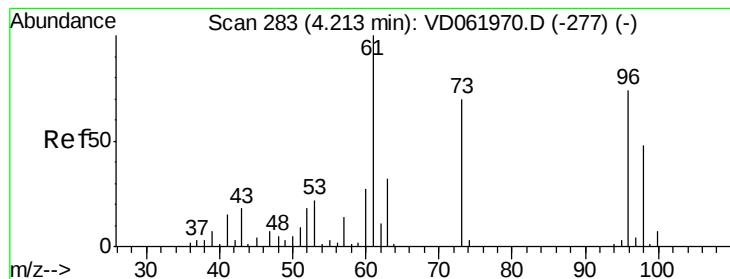
Tgt Ion: 73 Resp: 176014
Ion Ratio Lower Upper
73 100
57 18.4 16.3 24.5



#20
Methylene Chloride
Concen: 21.924 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 84 Resp: 120224
Ion Ratio Lower Upper
84 100
49 116.1 94.0 141.0
51 36.1 29.0 43.4
86 60.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.753 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

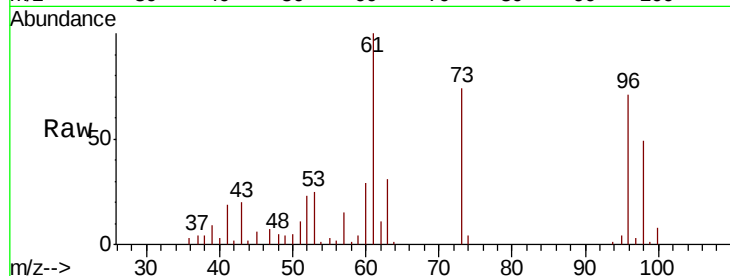
Tgt Ion: 96 Resp: 97718

Ion Ratio Lower Upper

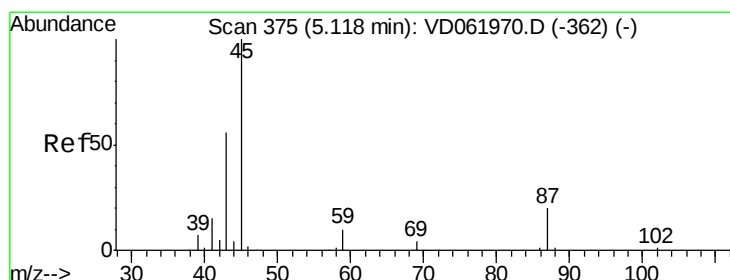
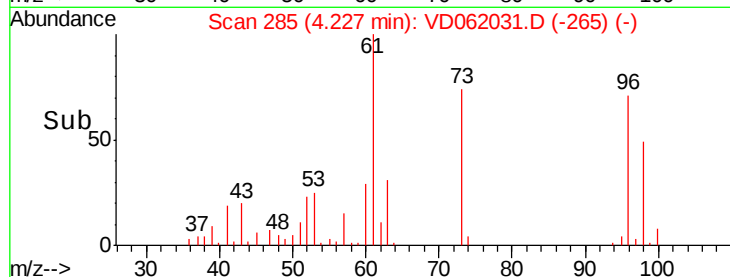
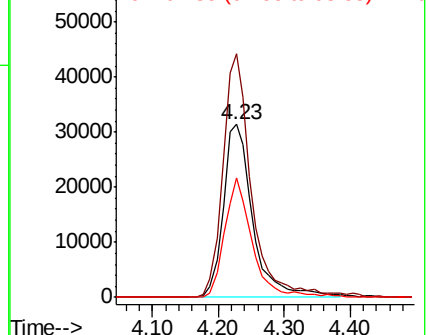
96 100

61 140.8 104.4 156.6

98 69.0 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.886 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Tgt Ion: 45 Resp: 287971

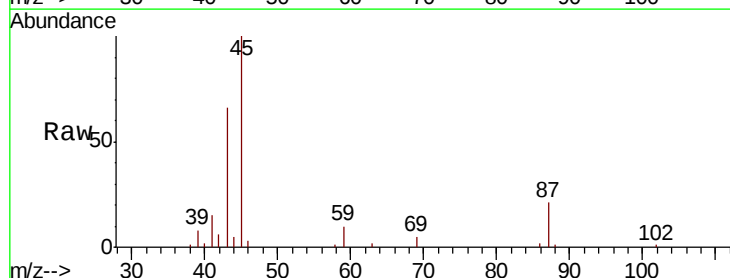
Ion Ratio Lower Upper

45 100

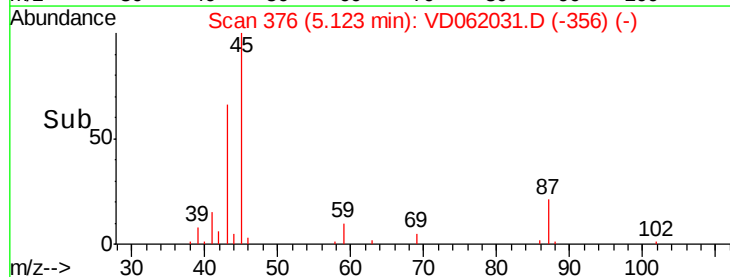
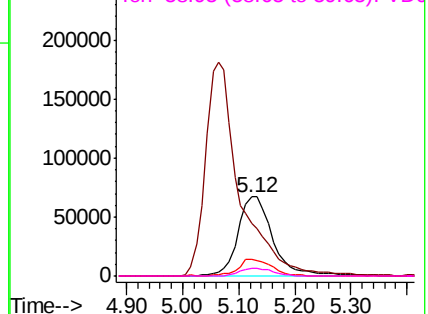
43 66.5 46.2 69.2

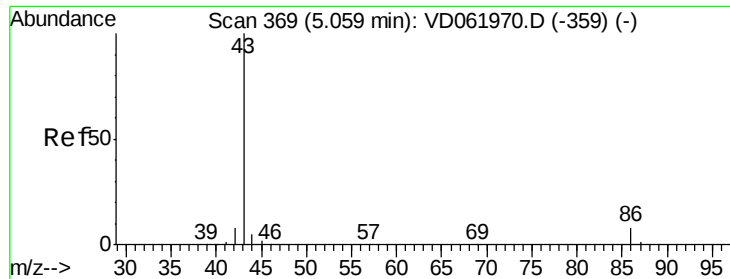
87 20.6 15.9 23.9

59 10.4 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

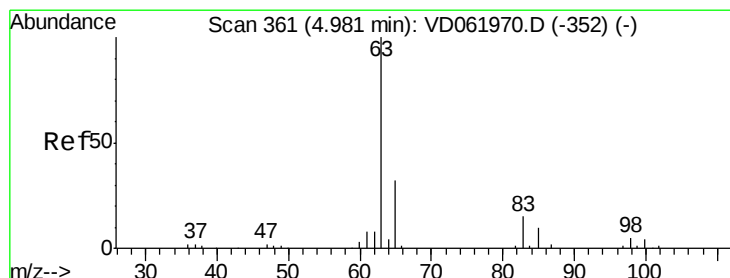
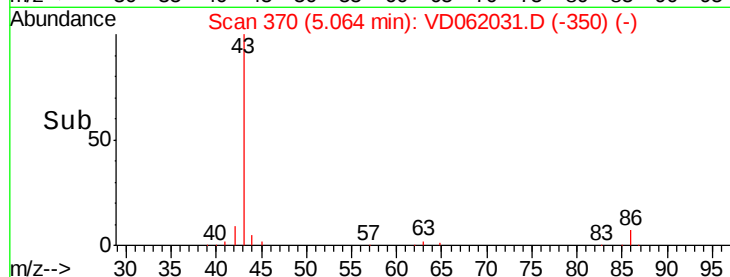
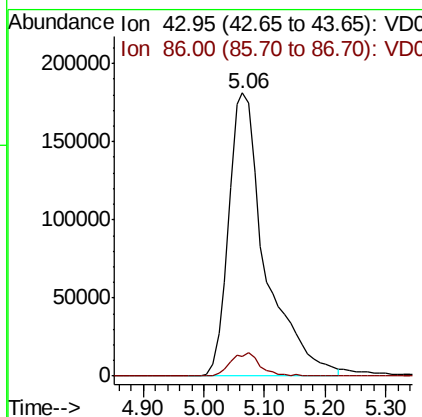
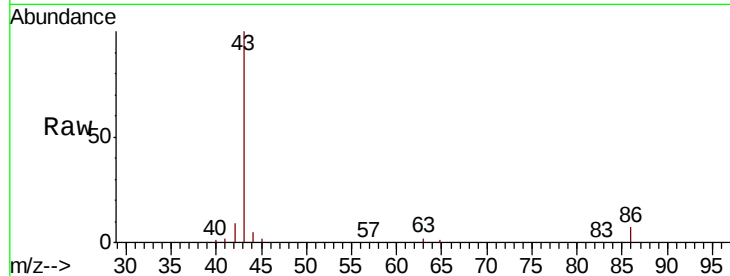




#23
 Vinyl Acetate
 Concen: 101.249 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

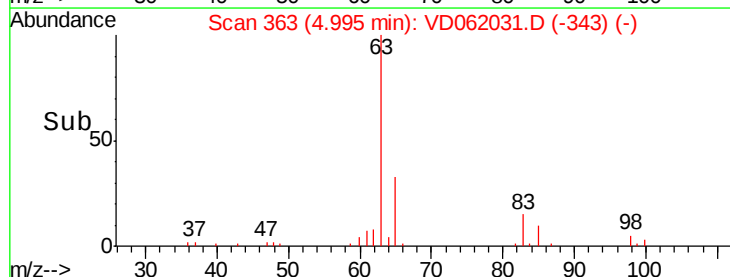
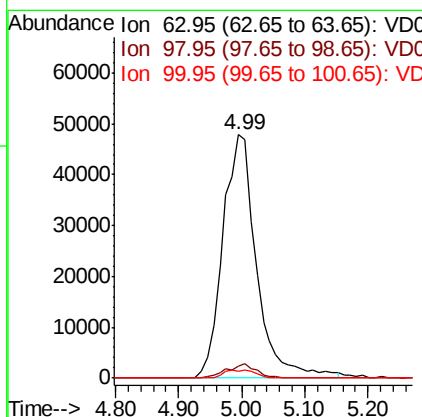
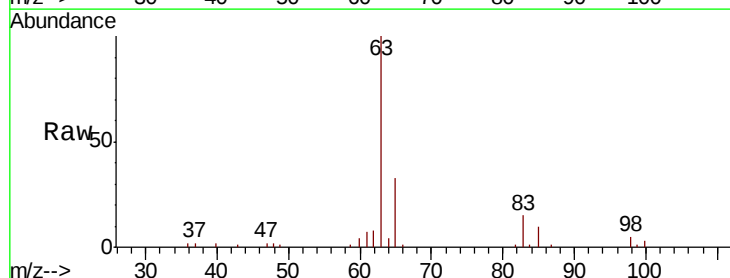
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

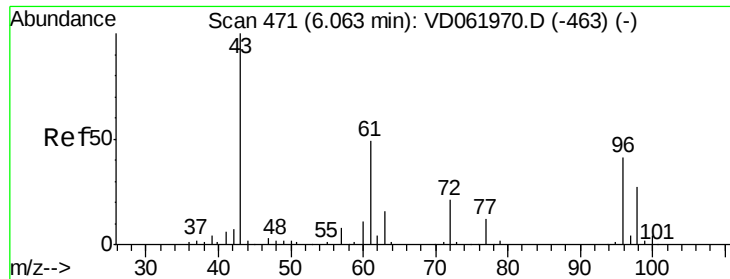
Tgt Ion: 43 Resp: 763530
 Ion Ratio Lower Upper
 43 100
 86 7.0 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 20.227 ug/l
 RT: 4.99 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 63 Resp: 177033
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.8 8.4
 100 2.7 1.8 5.5





#25

2-Butanone

Concen: 101.101 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

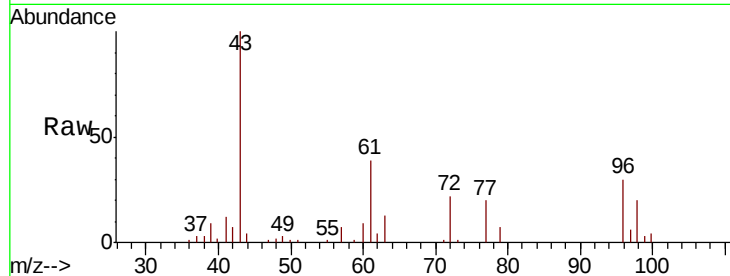
VD0425SBS01

Tgt Ion: 43 Resp: 127647

Ion Ratio Lower Upper

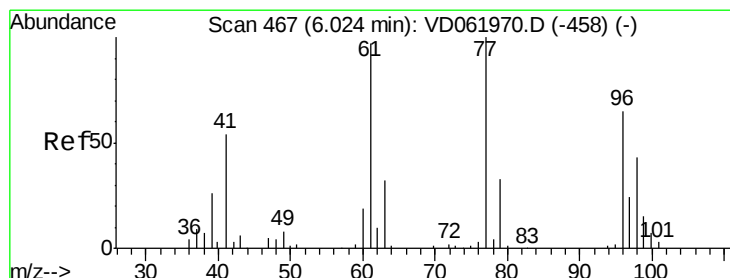
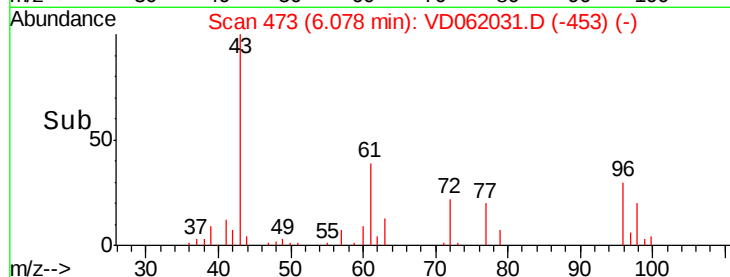
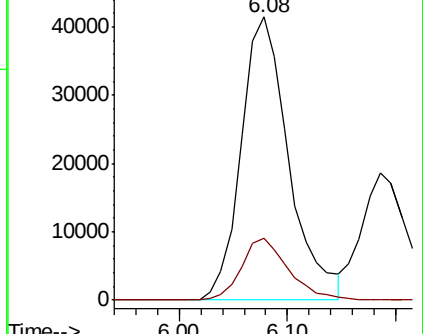
43 100

72 21.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.885 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD062031.D

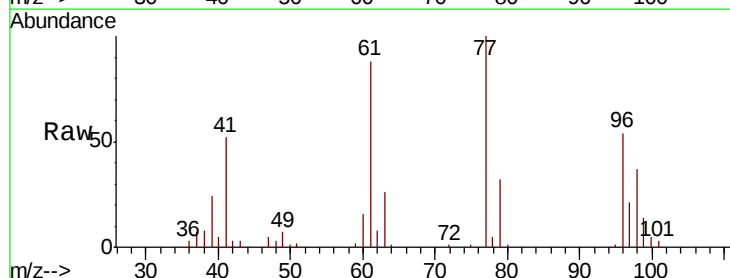
Acq: 25 Apr 2019 11:33

Tgt Ion: 77 Resp: 159470

Ion Ratio Lower Upper

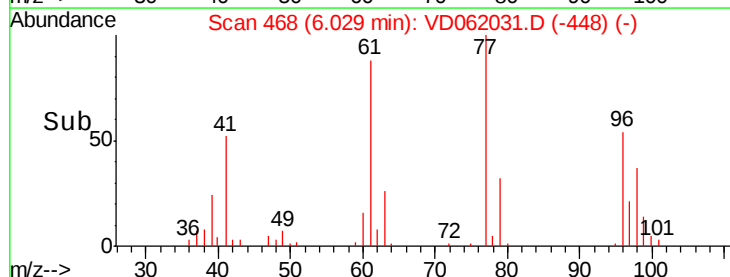
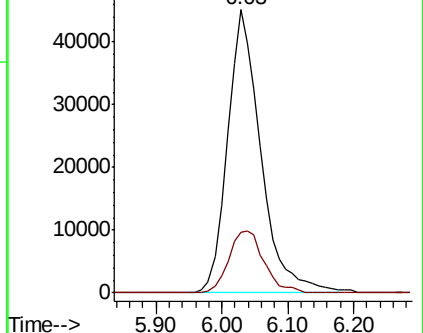
77 100

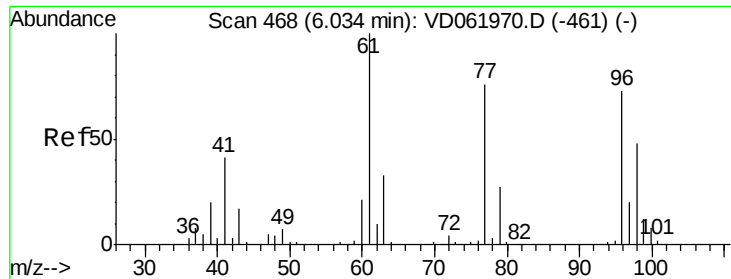
97 21.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



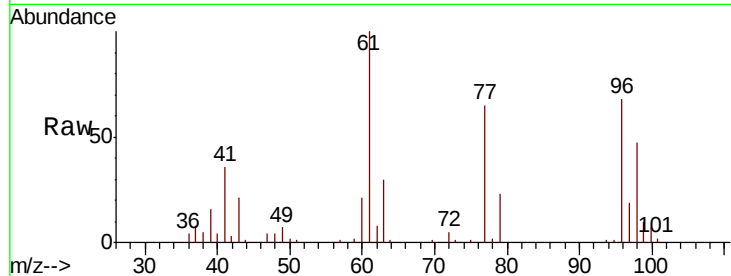


#27

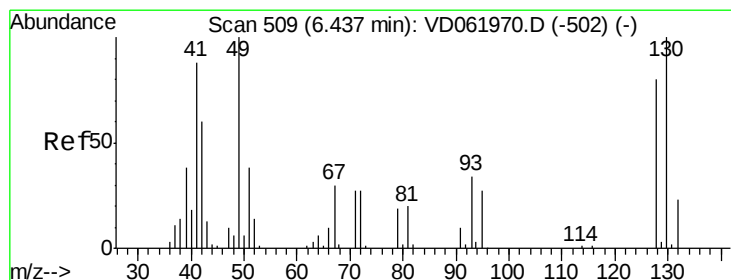
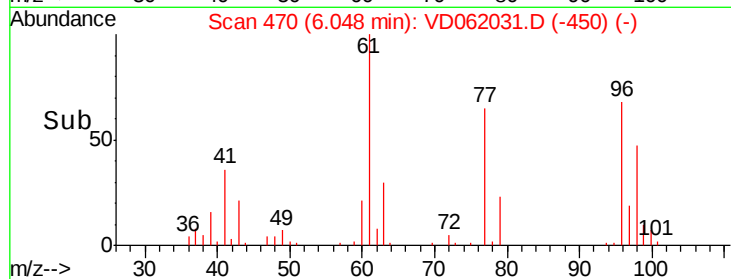
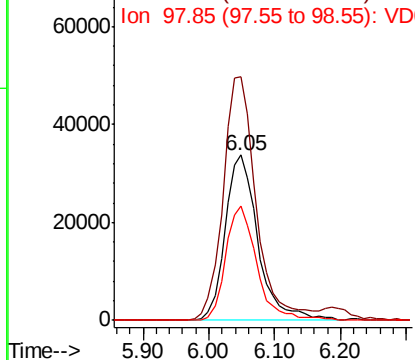
cis-1,2-Dichloroethene
Concen: 19.859 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tgt Ion: 96 Resp: 117720
Ion Ratio Lower Upper
96 100
61 147.3 0.0 279.8
98 69.3 0.0 136.0



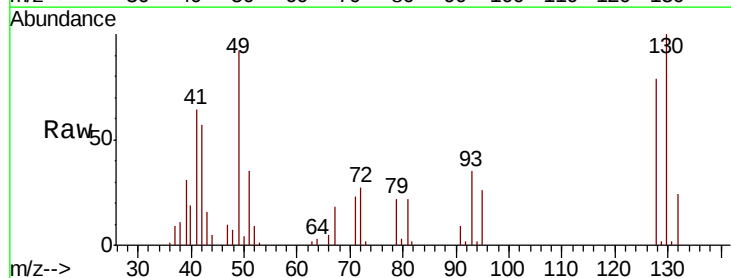
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



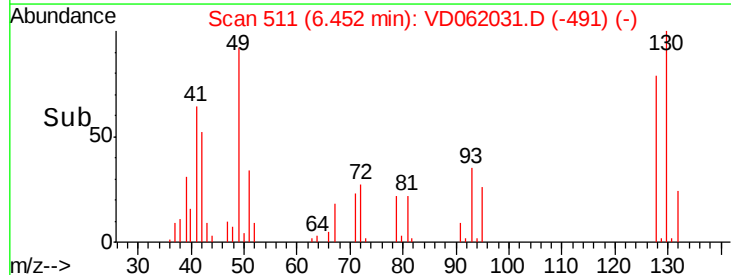
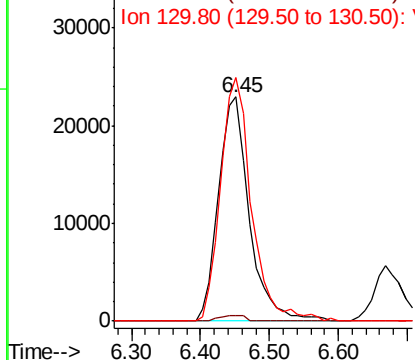
#28

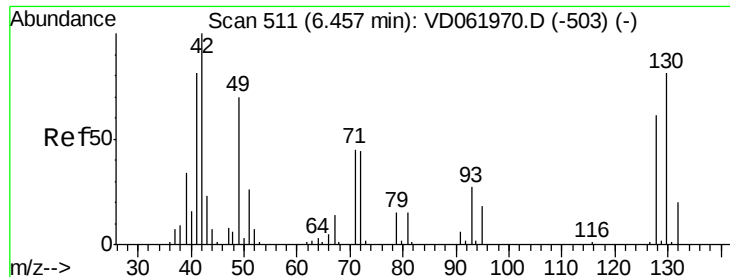
Bromochloromethane
Concen: 21.242 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 49 Resp: 71136
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.6
130 108.6 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.428 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

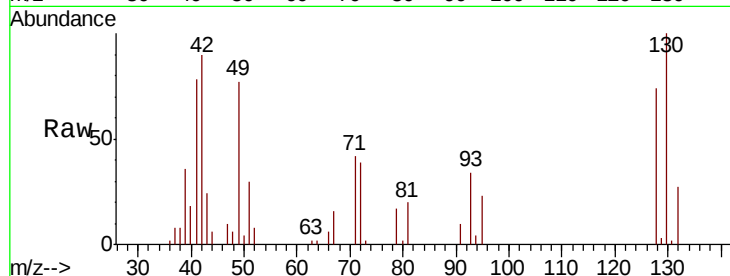
Tgt Ion: 42 Resp: 61232

Ion Ratio Lower Upper

42 100

72 45.1 37.8 56.6

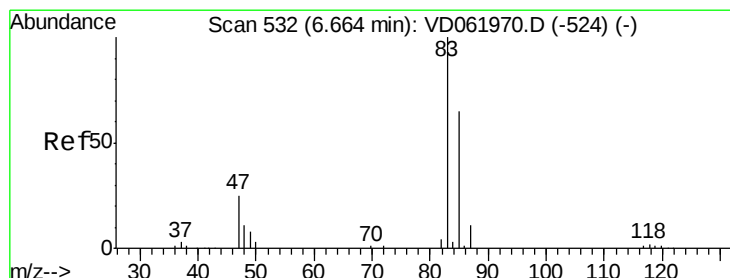
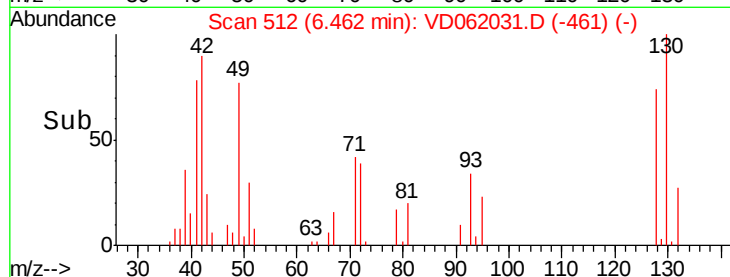
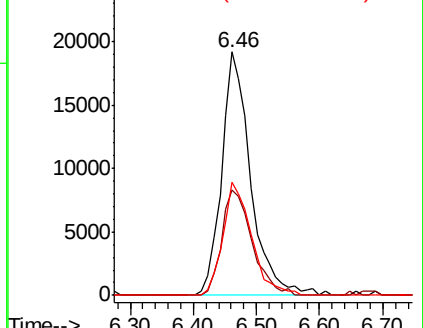
71 45.6 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.541 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD062031.D

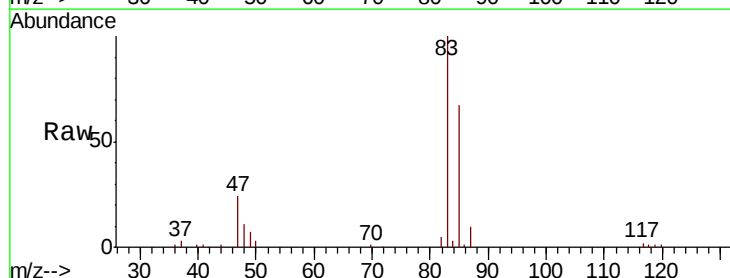
Acq: 25 Apr 2019 11:33

Tgt Ion: 83 Resp: 204196

Ion Ratio Lower Upper

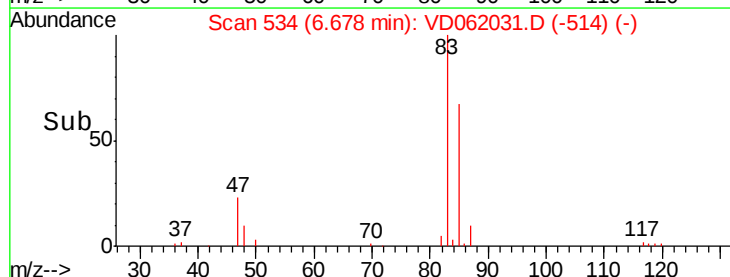
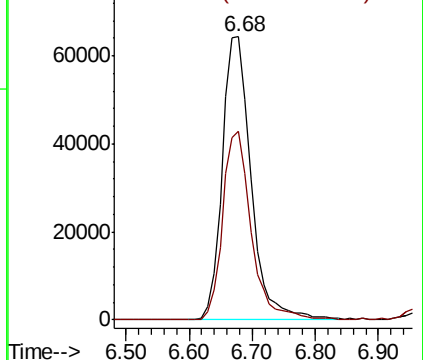
83 100

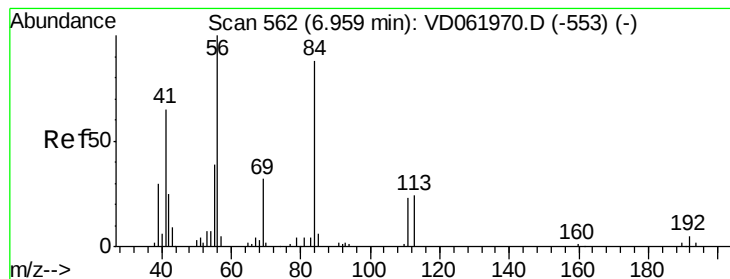
85 66.6 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 20.404 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

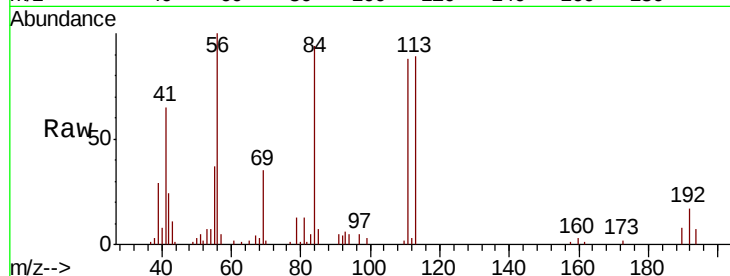
Tgt Ion: 56 Resp: 132550

Ion Ratio Lower Upper

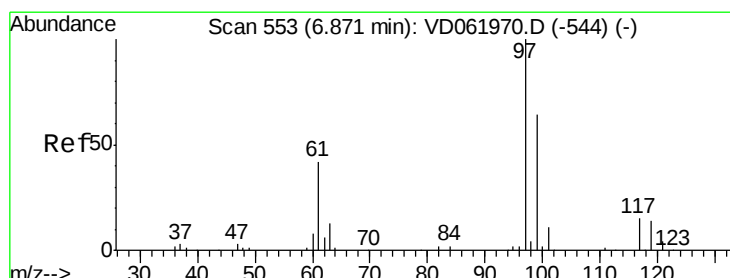
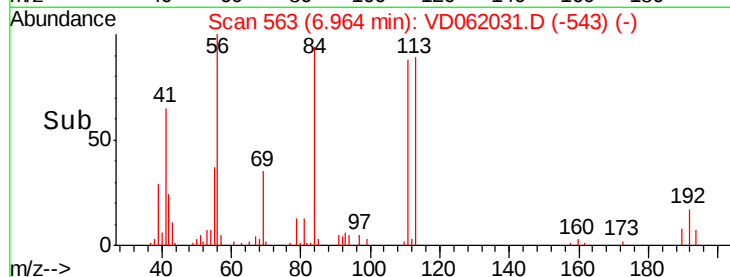
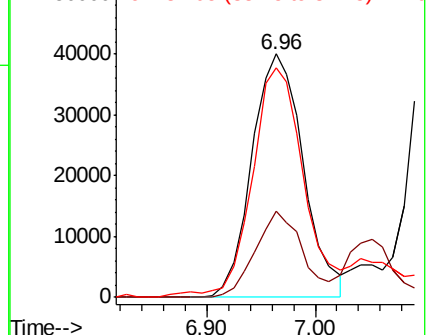
56 100

69 35.5 25.8 38.6

84 94.0 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.354 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

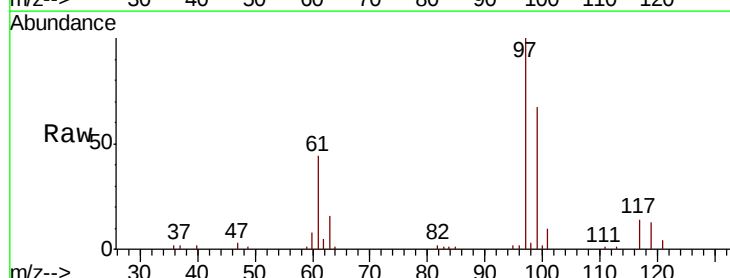
Tgt Ion: 97 Resp: 176051

Ion Ratio Lower Upper

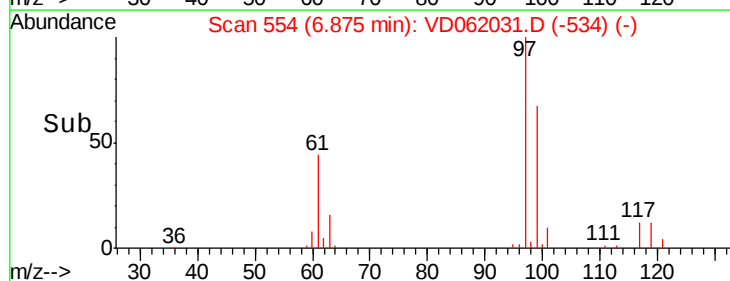
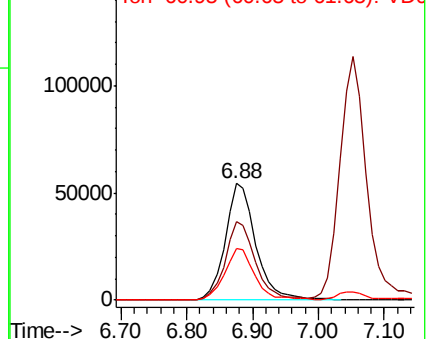
97 100

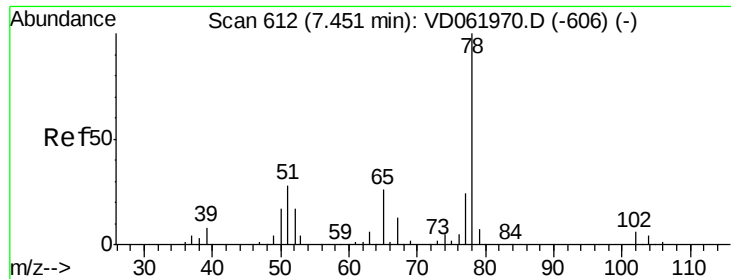
99 67.3 52.2 78.2

61 43.8 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 20.354 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

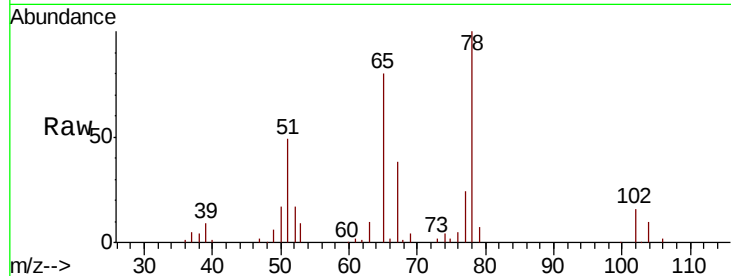
VD0425SBS01

Tgt Ion: 65 Resp: 241195

Ion Ratio Lower Upper

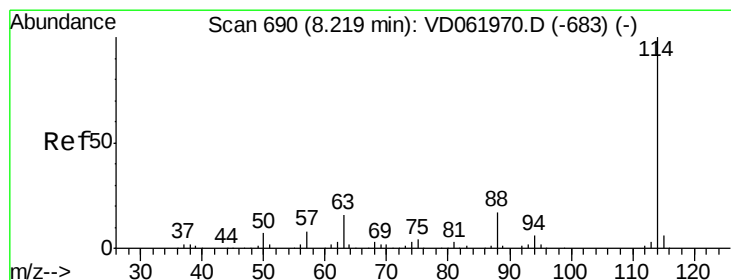
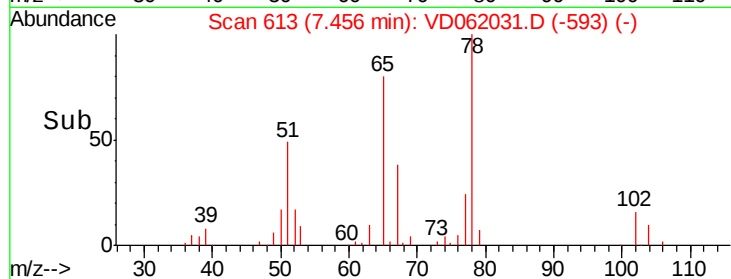
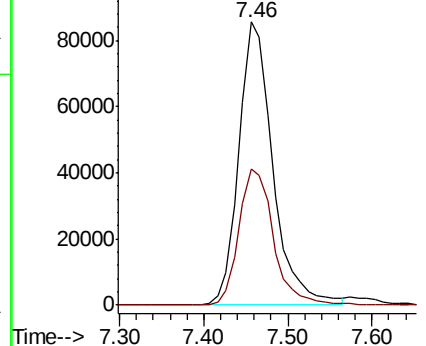
65 100

67 48.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

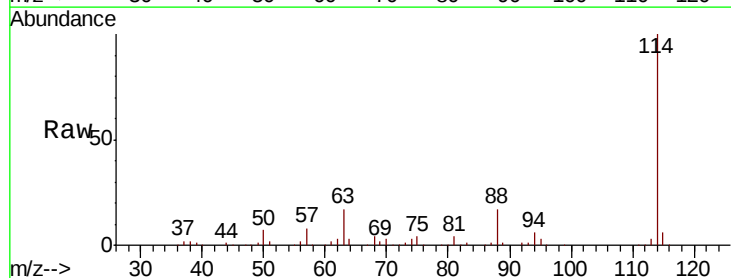
Tgt Ion: 114 Resp: 875833

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

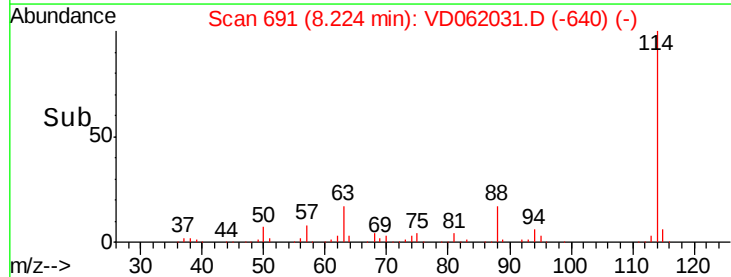
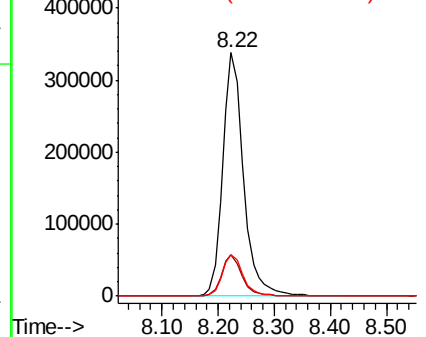
88 16.8 0.0 33.6

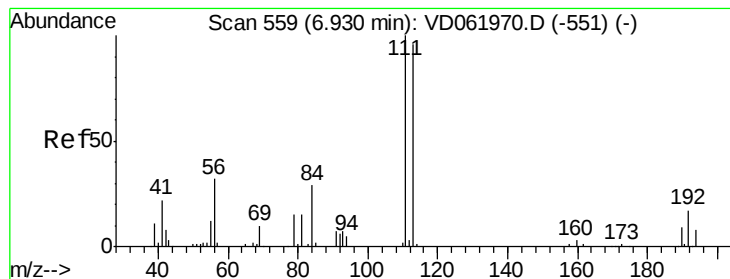


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

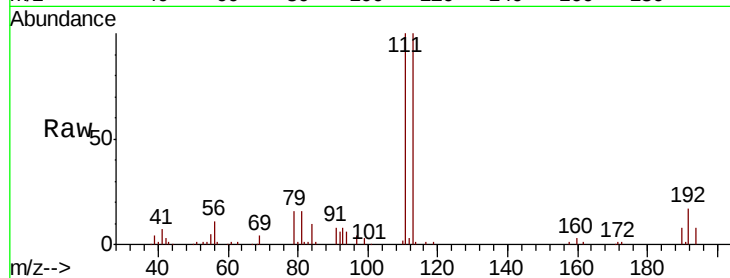
Tgt Ion:113 Resp: 352722

Ion Ratio Lower Upper

113 100

111 99.7 78.5 117.7

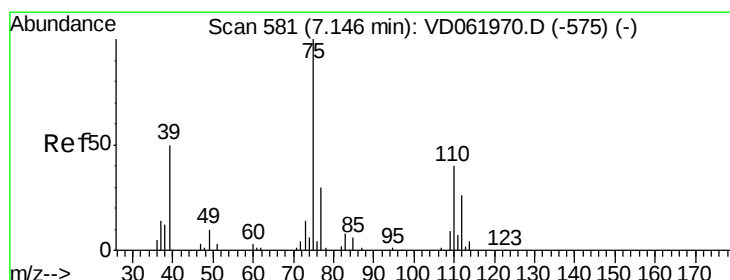
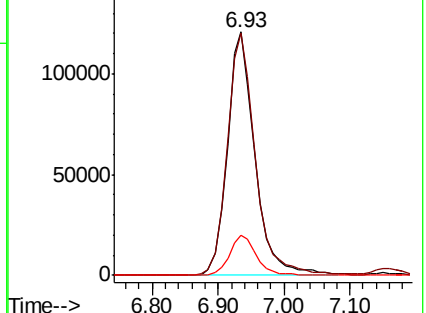
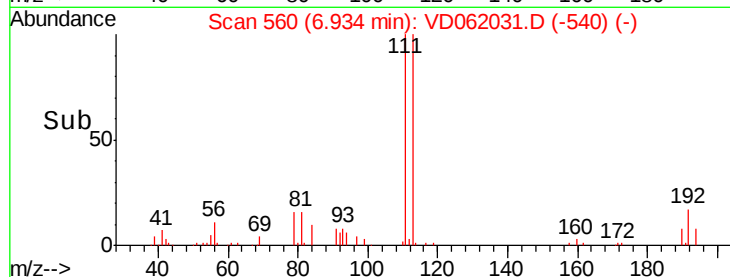
192 16.6 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.505 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

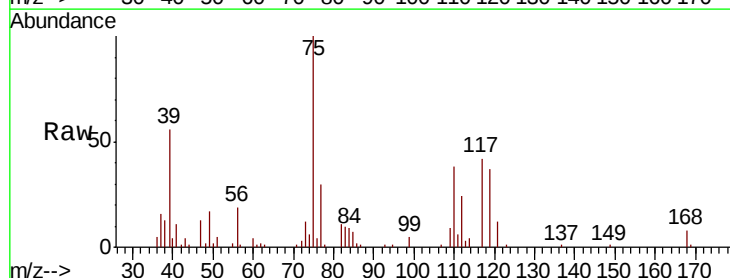
Tgt Ion: 75 Resp: 146743

Ion Ratio Lower Upper

75 100

110 37.9 19.1 57.1

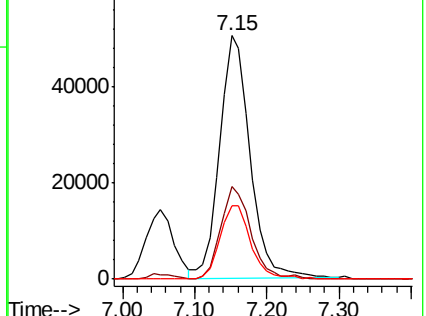
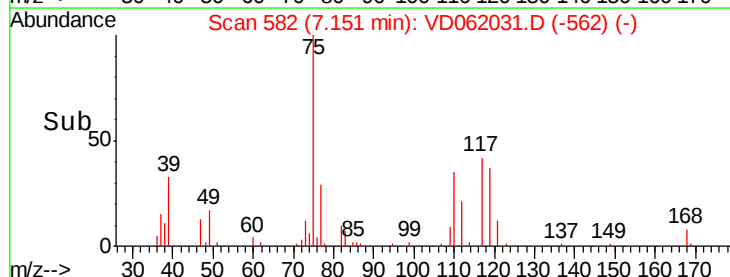
77 30.0 25.6 38.4

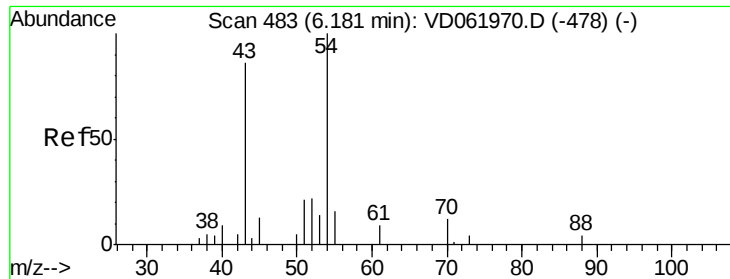


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 20.017 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

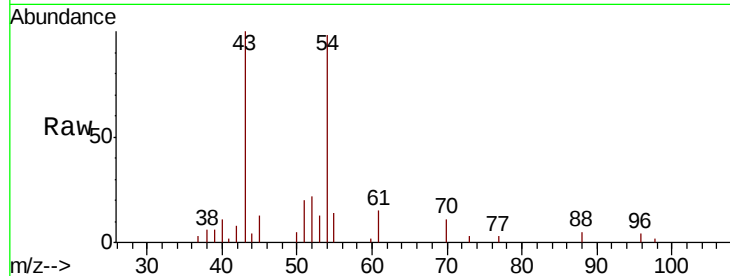
Tgt Ion: 43 Resp: 58207

Ion Ratio Lower Upper

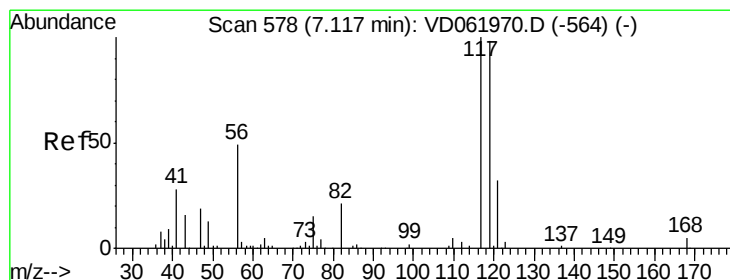
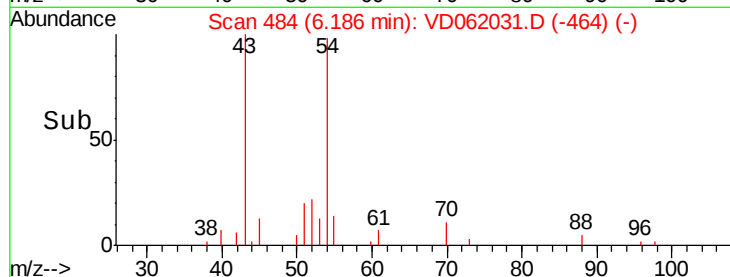
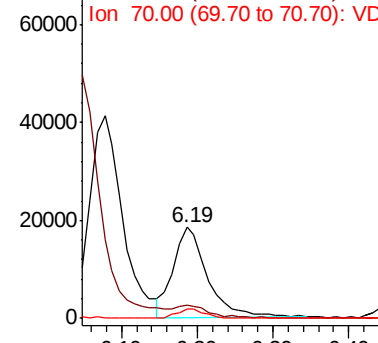
43 100

61 14.6 14.7 22.1#

70 10.9 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.619 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

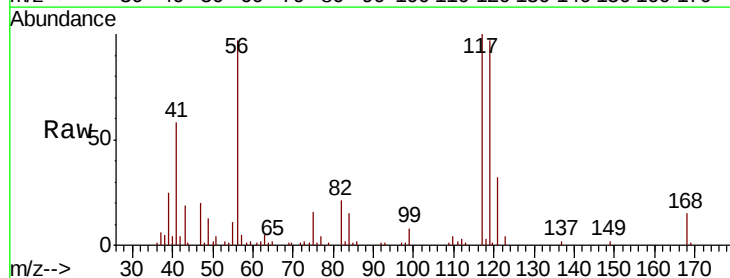
Tgt Ion: 117 Resp: 186932

Ion Ratio Lower Upper

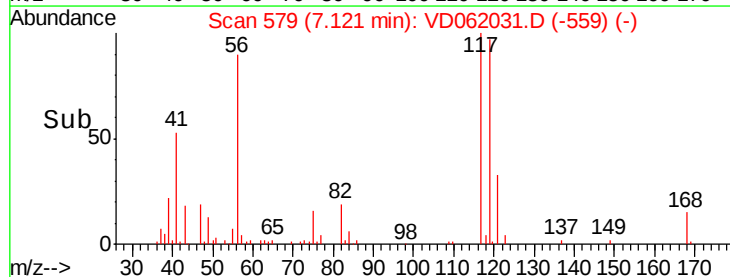
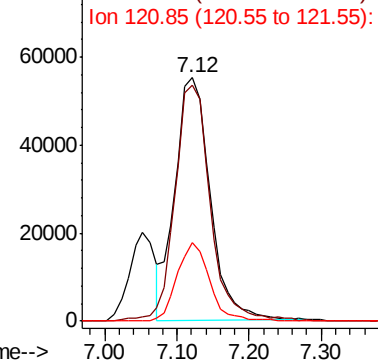
117 100

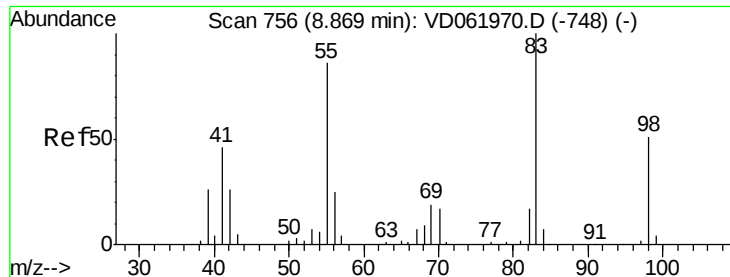
119 96.7 75.8 113.8

121 32.2 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

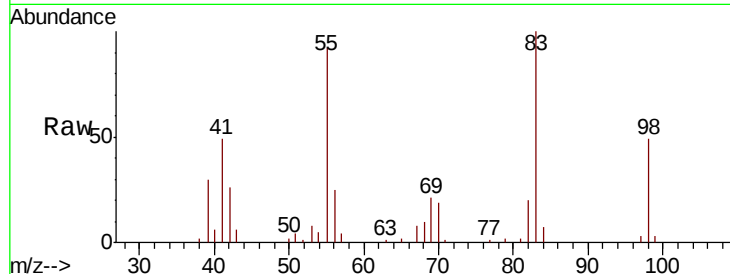




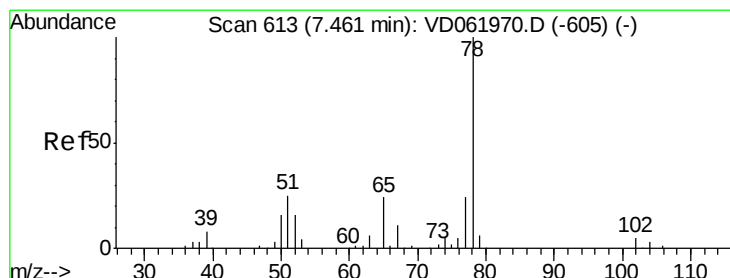
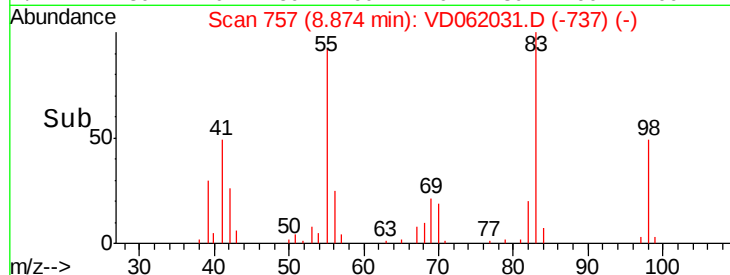
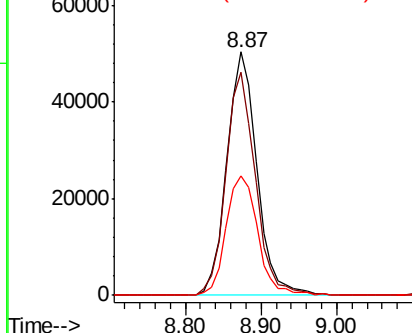
#39
Methylcyclohexane
Concen: 20.517 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tgt Ion: 83 Resp: 138131
Ion Ratio Lower Upper
83 100
55 91.8 68.2 102.4
98 49.2 38.2 57.4

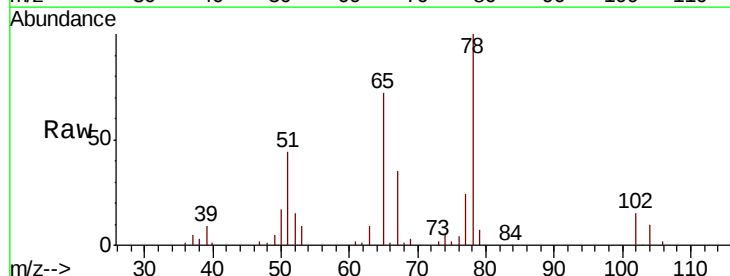


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

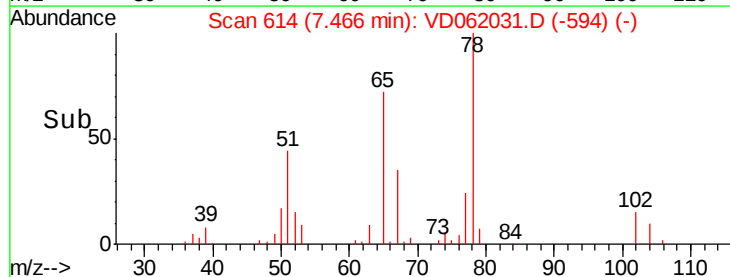
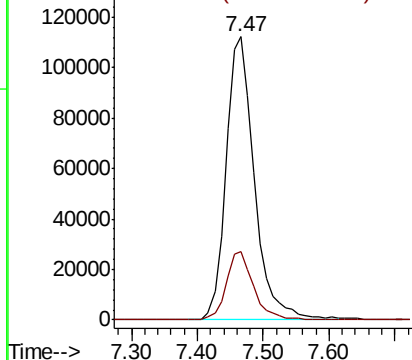


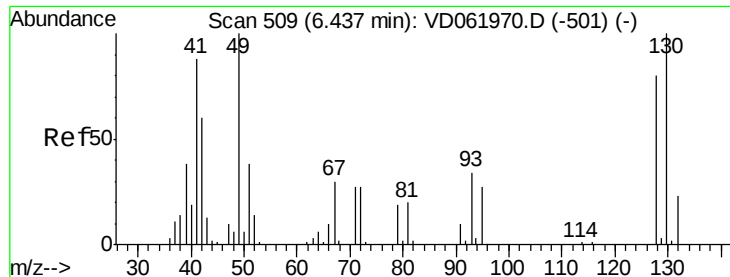
#40
Benzene
Concen: 19.994 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 78 Resp: 337756
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

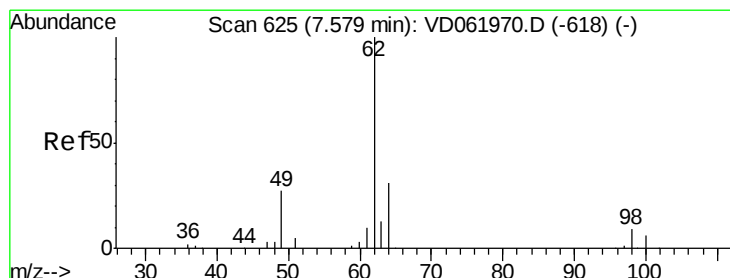
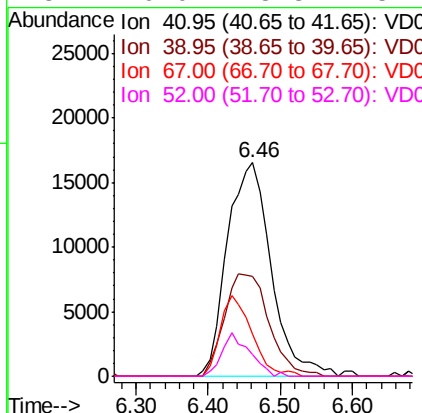
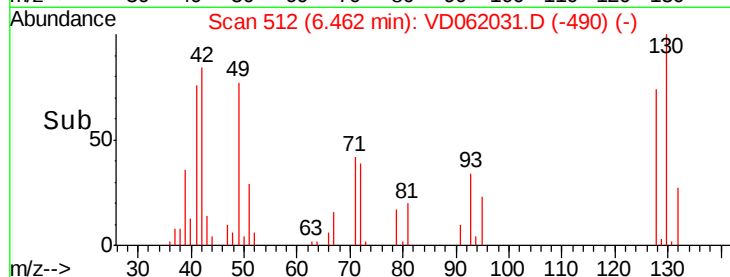
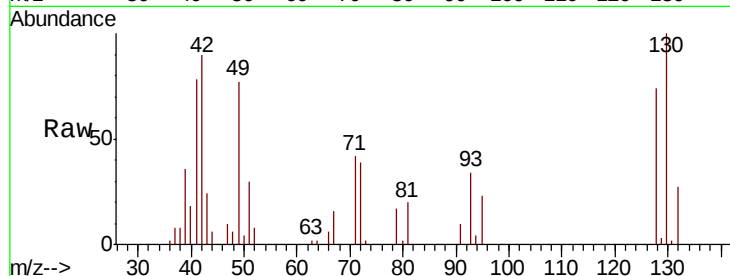




#41
Methacrylonitrile
Concen: 20.638 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

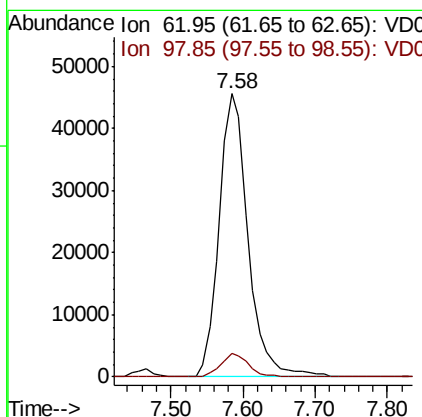
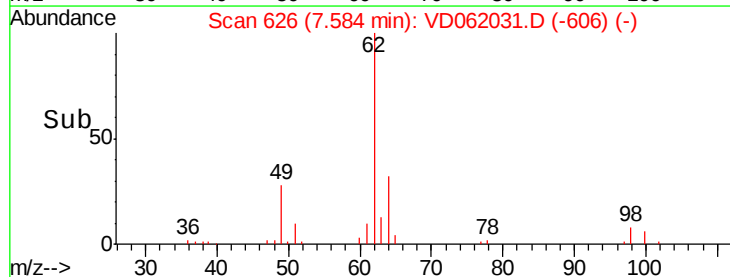
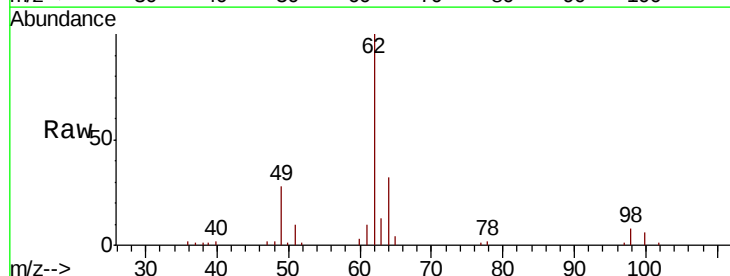
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

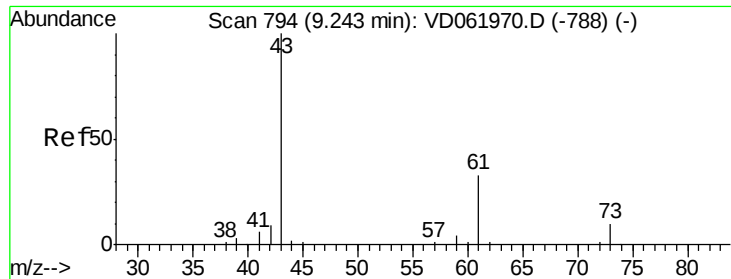
Tgt Ion: 41 Resp: 70019
Ion Ratio Lower Upper
41 100
39 46.6 34.1 51.1
67 20.0 23.8 35.6#
52 10.0 8.8 13.2



#42
1,2-Dichloroethane
Concen: 21.941 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 62 Resp: 125848
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.8

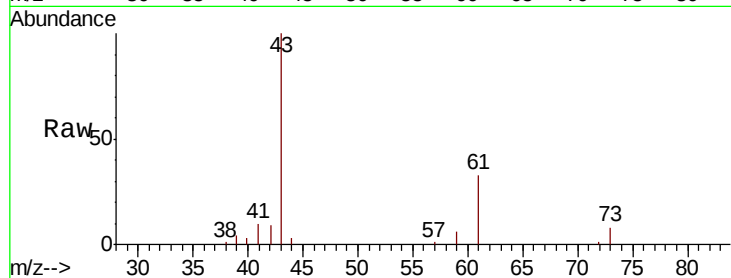




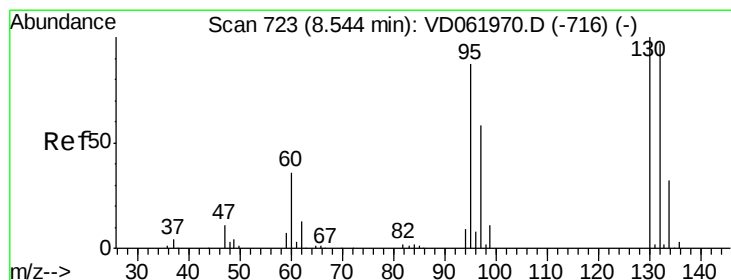
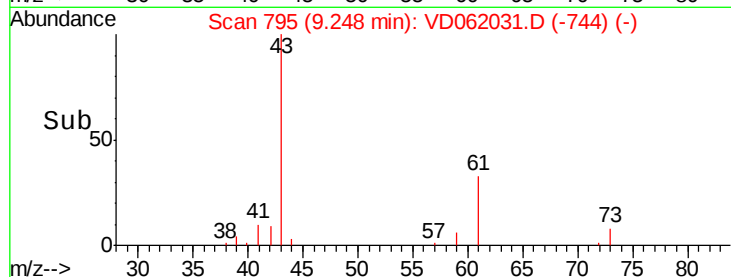
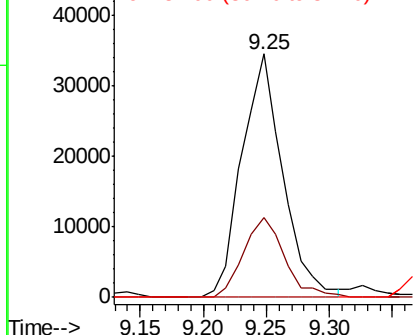
#43
Isopropyl Acetate
Concen: 18.355 ug/l
RT: 9.25 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tgt Ion: 43 Resp: 77984
Ion Ratio Lower Upper
43 100
61 33.0 25.1 37.7
87 0.0 0.0 0.0

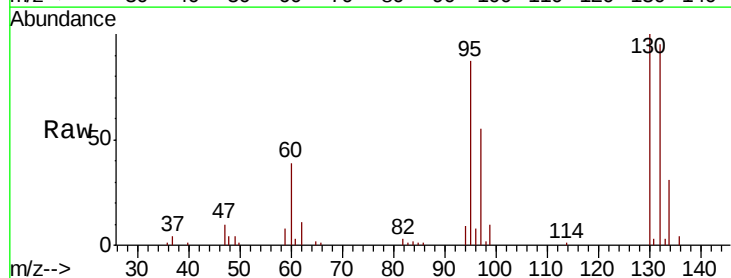


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

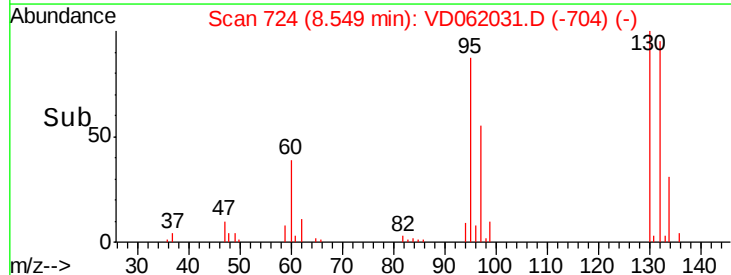
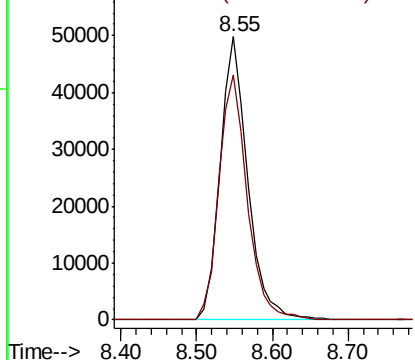


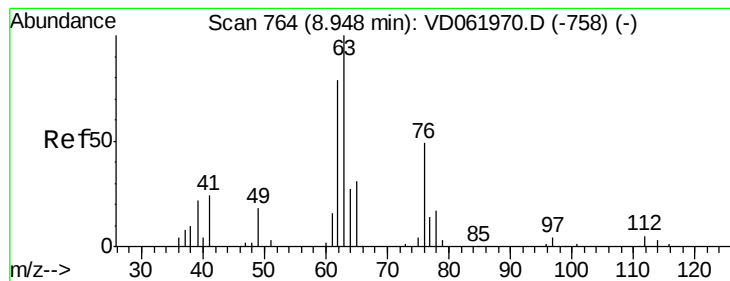
#44
Trichloroethene
Concen: 19.160 ug/l
RT: 8.55 min Scan# 724
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 130 Resp: 125485
Ion Ratio Lower Upper
130 100
95 86.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.330 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

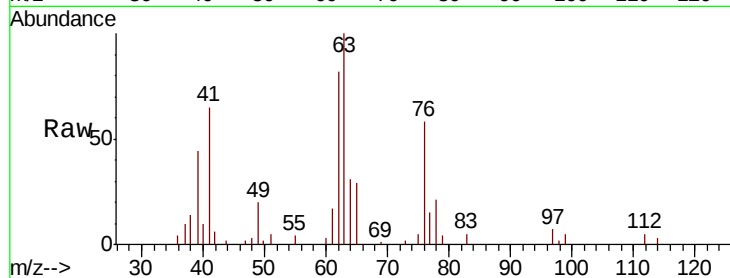
VD0425SBS01

Tgt Ion: 63 Resp: 82842

Ion Ratio Lower Upper

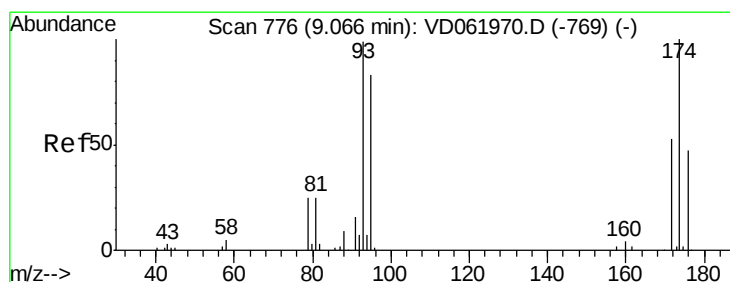
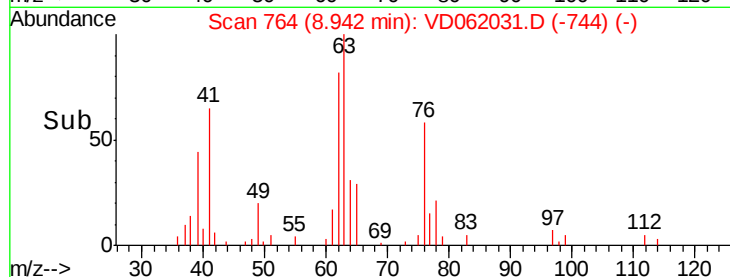
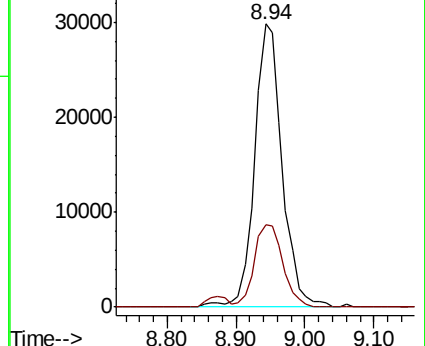
63 100

65 29.2 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.895 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

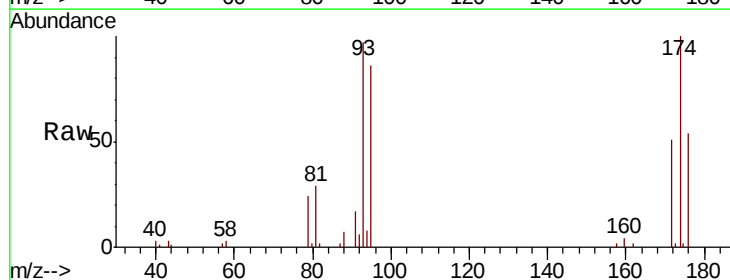
Tgt Ion: 93 Resp: 61350

Ion Ratio Lower Upper

93 100

95 89.5 64.8 97.2

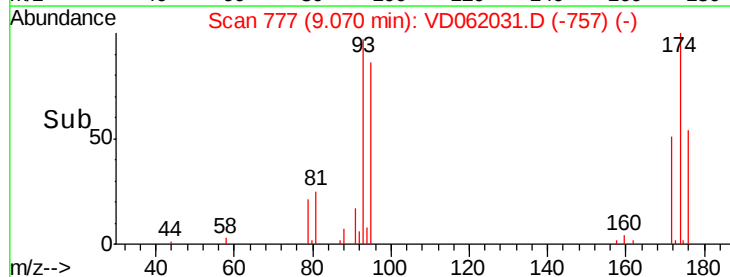
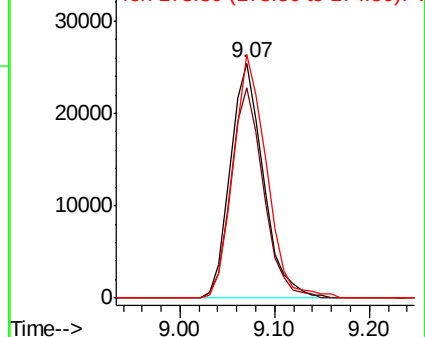
174 103.6 79.3 118.9

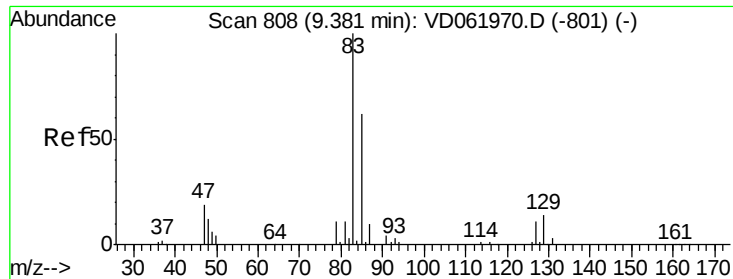


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.313 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

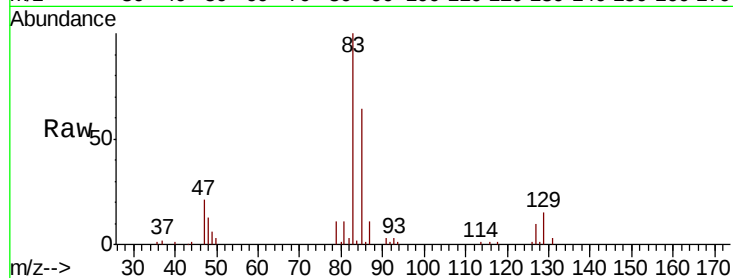
Tgt Ion: 83 Resp: 155296

Ion Ratio Lower Upper

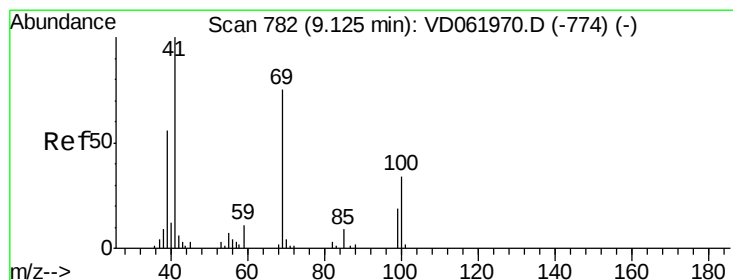
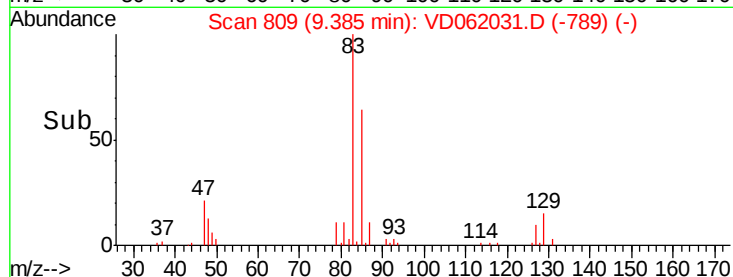
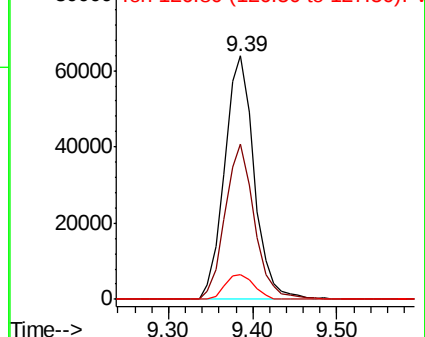
83 100

85 63.7 50.9 76.3

127 10.4 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.366 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

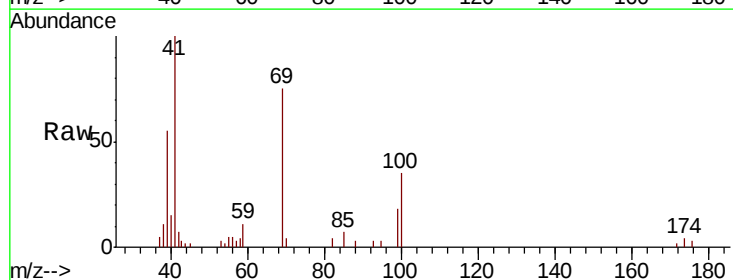
Tgt Ion: 41 Resp: 51793

Ion Ratio Lower Upper

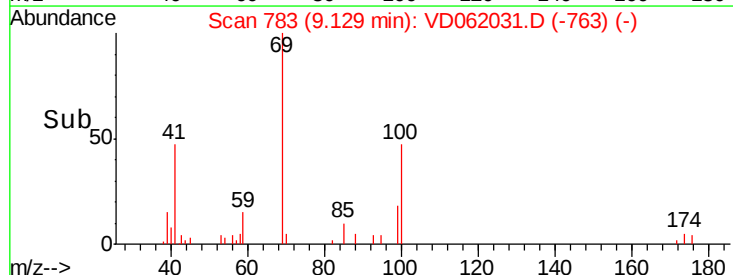
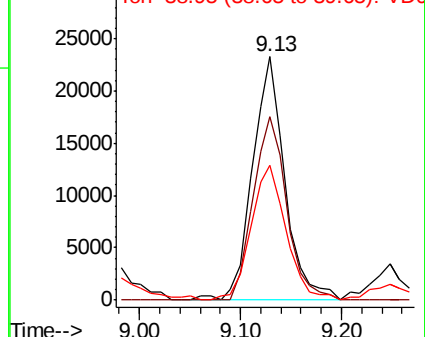
41 100

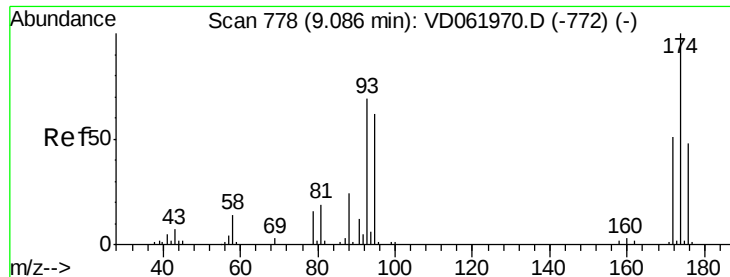
69 75.5 64.2 96.2

39 55.2 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

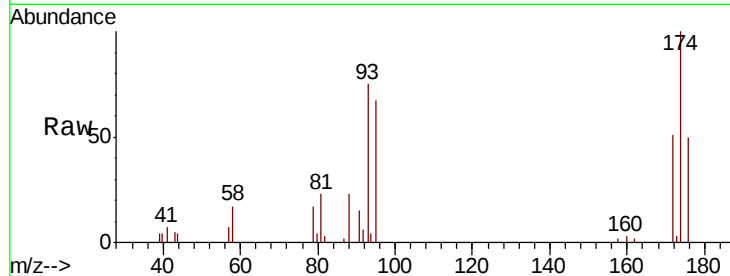




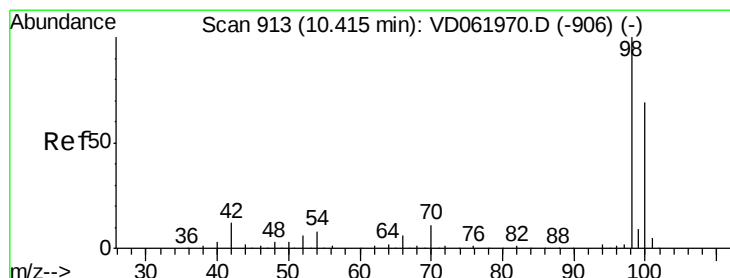
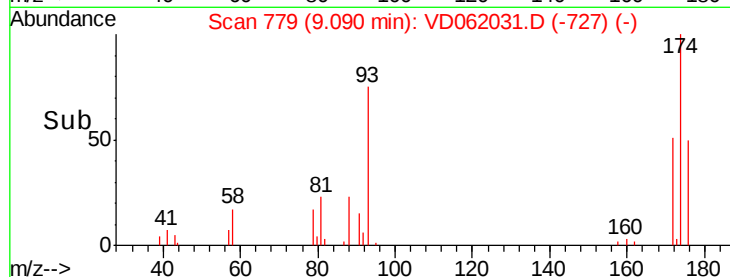
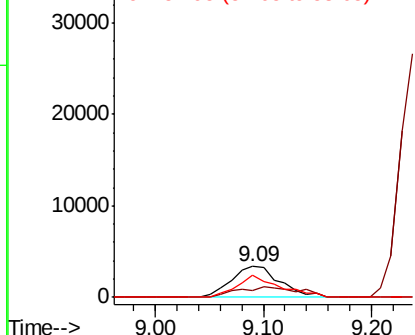
#49
1,4-Dioxane
Concen: 401.377 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tgt Ion: 88 Resp: 10490
Ion Ratio Lower Upper
88 100
43 23.5 23.4 35.0
58 72.7 44.0 66.0#

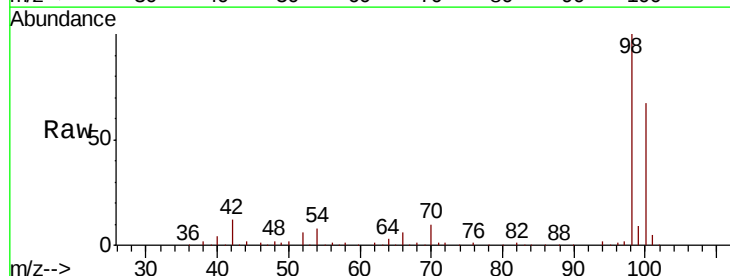


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

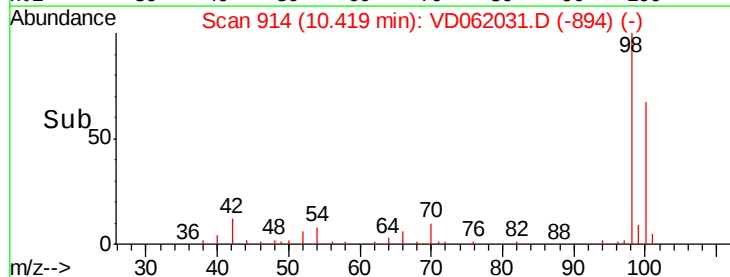
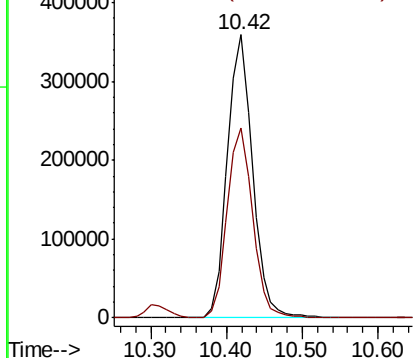


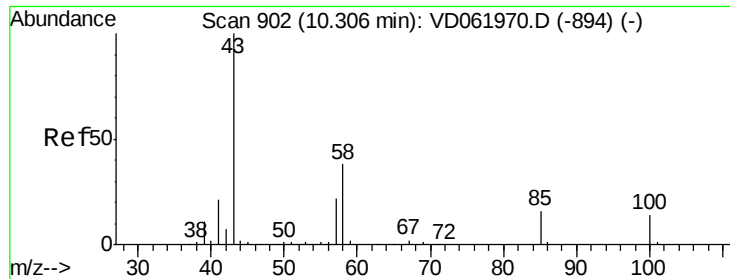
#50
Toluene-d8
Concen: 401.377 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 98 Resp: 827755
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

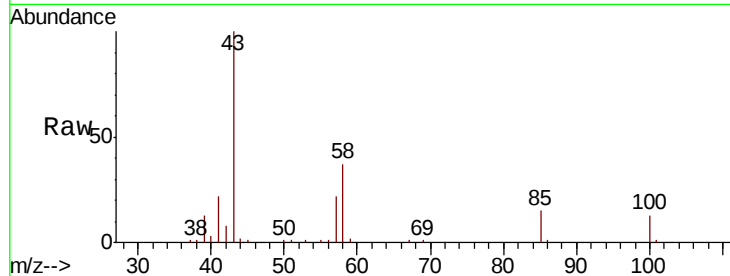




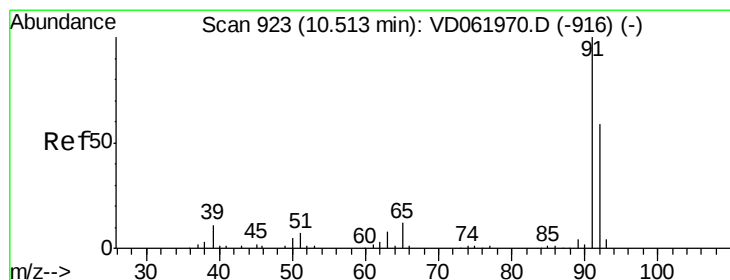
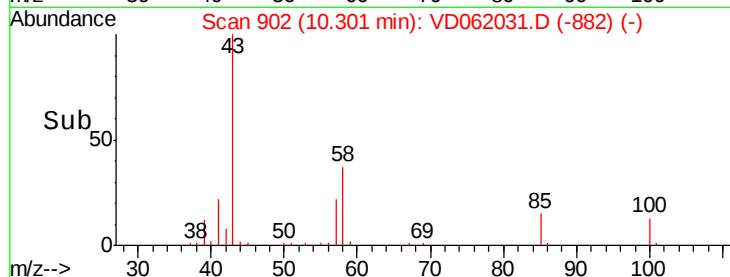
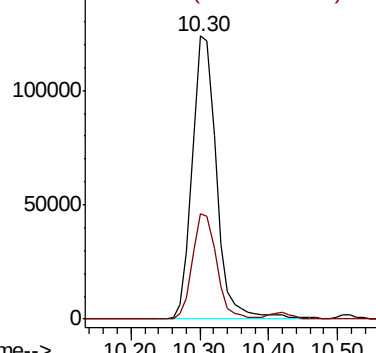
#51
 4-Methyl-2-Pentanone
 Concen: 117.042 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Tgt Ion: 43 Resp: 304116
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.4 45.6

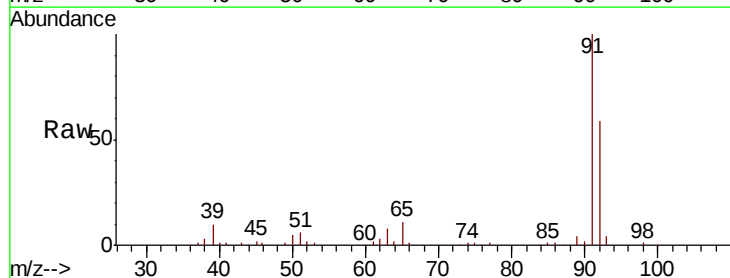


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

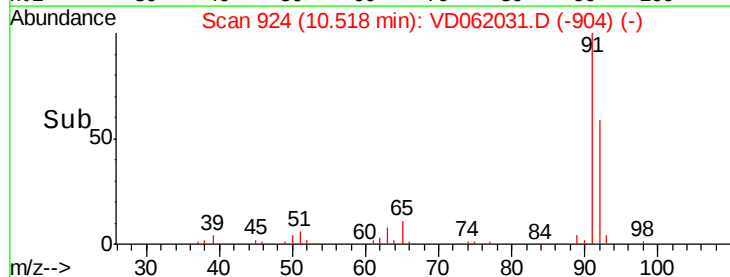
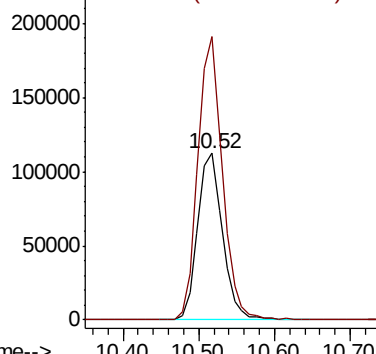


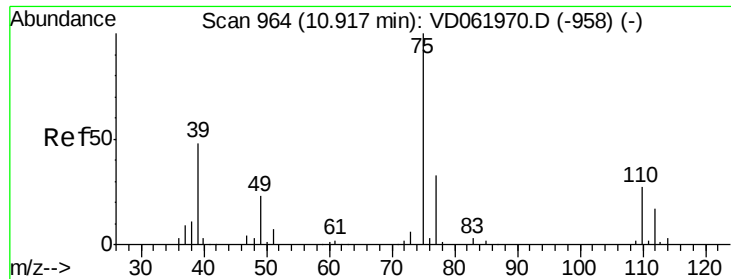
#52
 Toluene
 Concen: 23.631 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 92 Resp: 254539
 Ion Ratio Lower Upper
 92 100
 91 170.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC

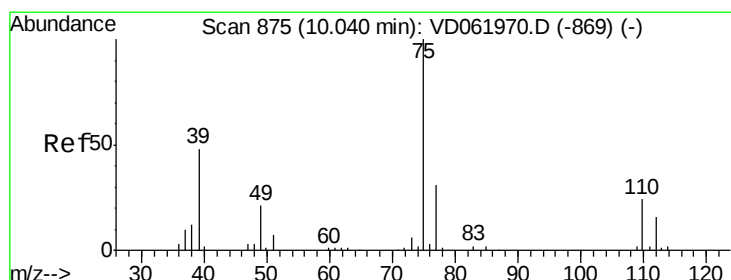
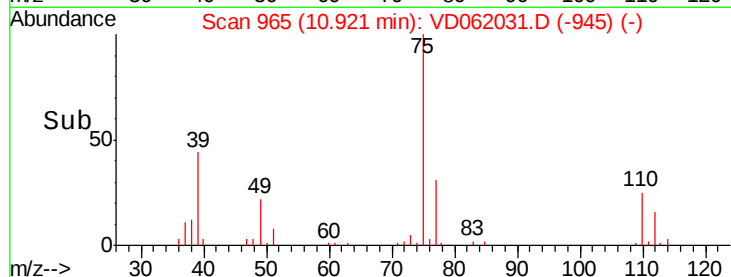
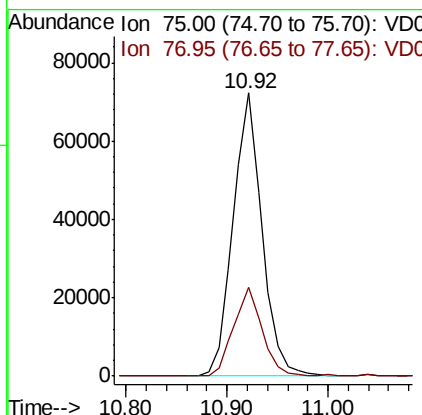
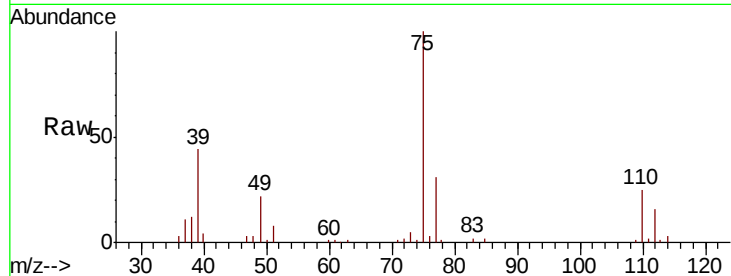




#53
 t-1,3-Dichloropropene
 Concen: 23.410 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

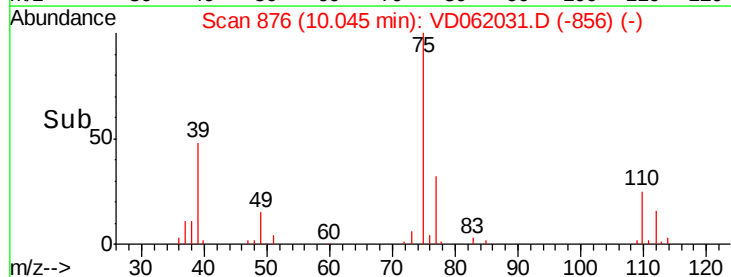
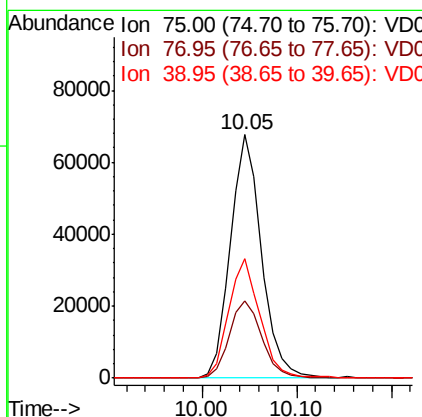
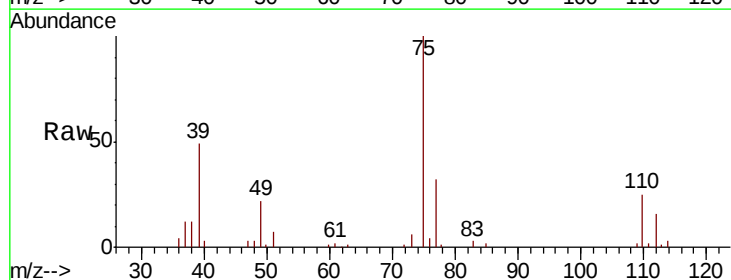
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

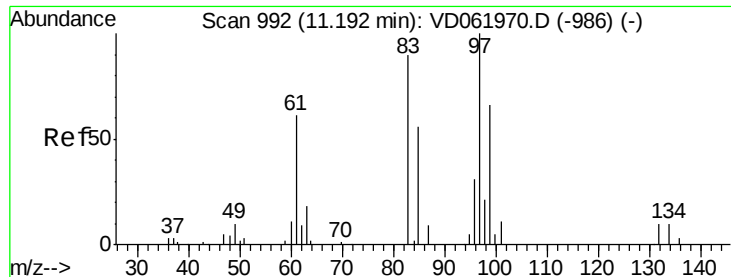
Tgt Ion: 75 Resp: 143179
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.613 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 75 Resp: 153337
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 49.2 39.4 59.2

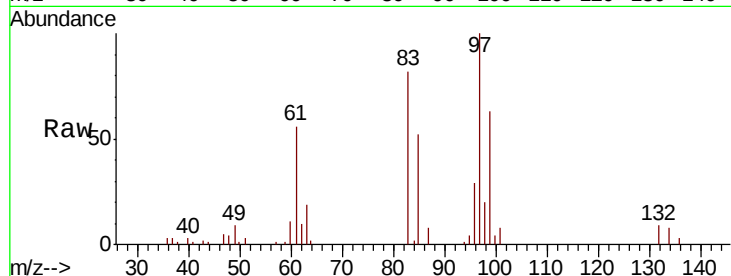




#55
 1,1,2-Trichloroethane
 Concen: 23.350 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Tgt Ion:	97	Resp:	84438
Ion	Ratio	Lower	Upper
97	100		
83	82.4	65.7	98.5
85	52.4	45.6	68.4
99	63.0	48.4	72.6



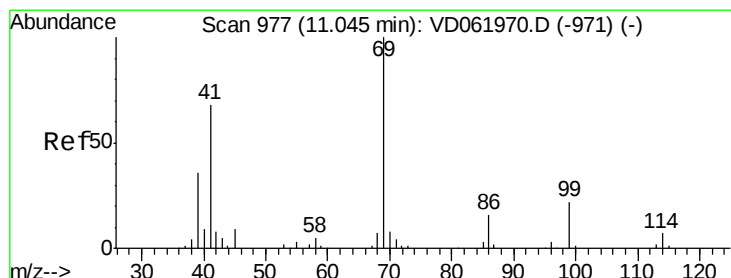
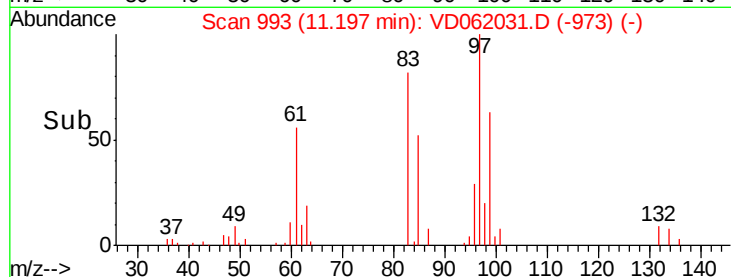
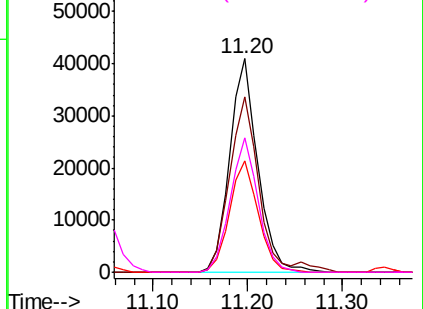
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

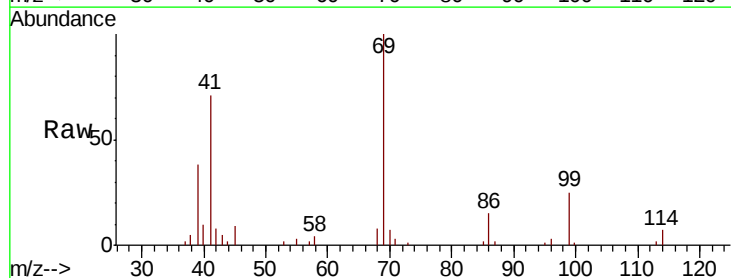
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 24.139 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion:	69	Resp:	96678
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.3	84.5
39	38.0	29.4	44.2

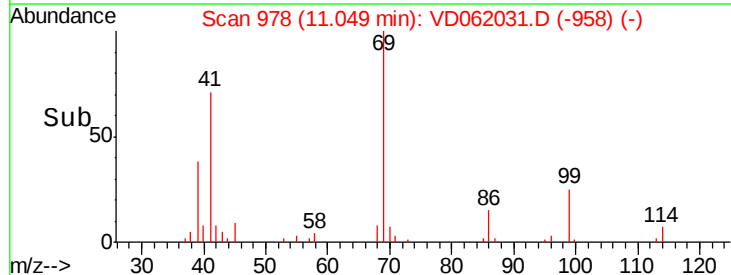
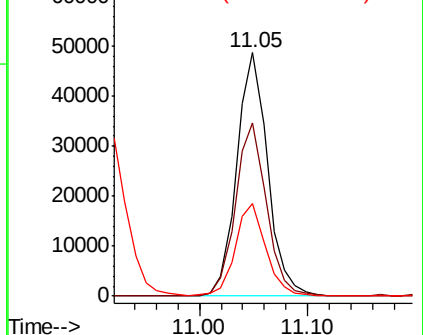


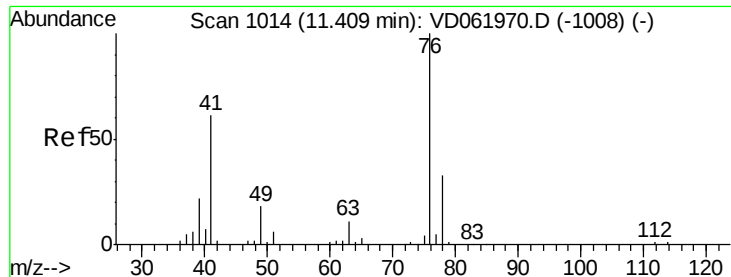
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

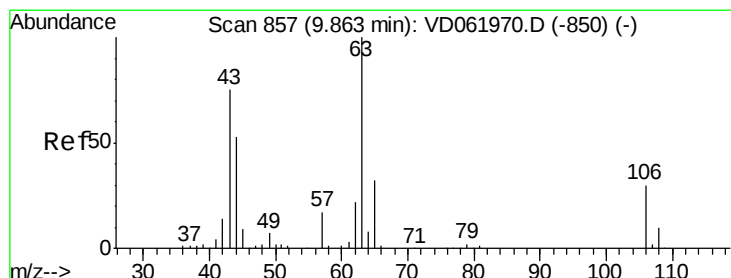
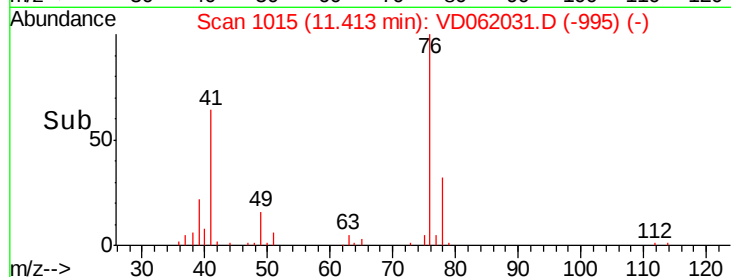
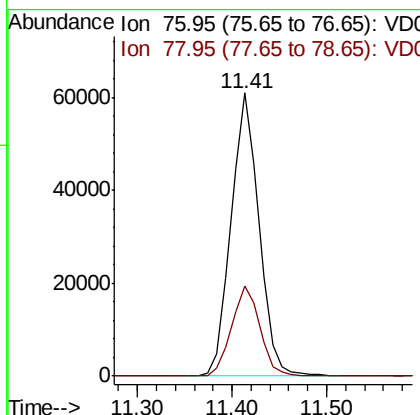
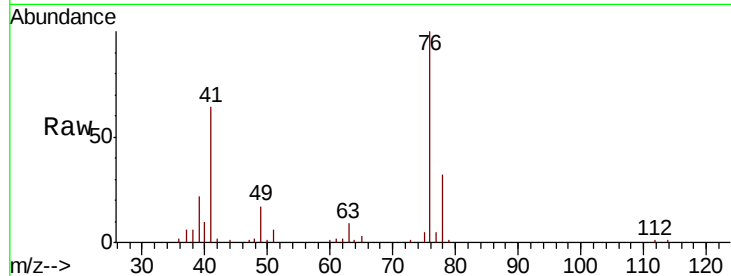




#57
 1,3-Dichloropropane
 Concen: 22.229 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

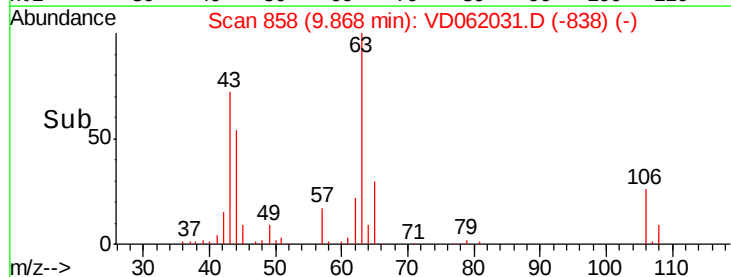
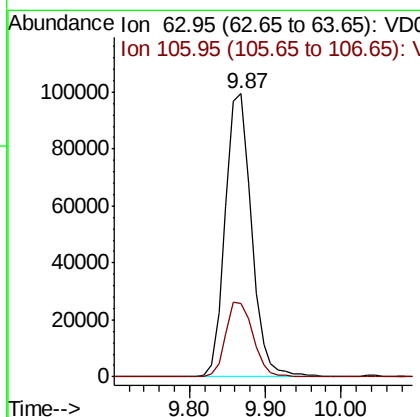
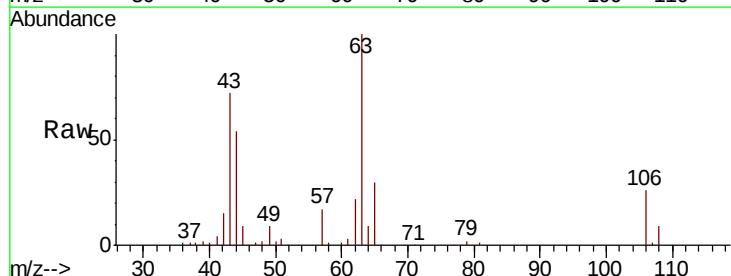
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

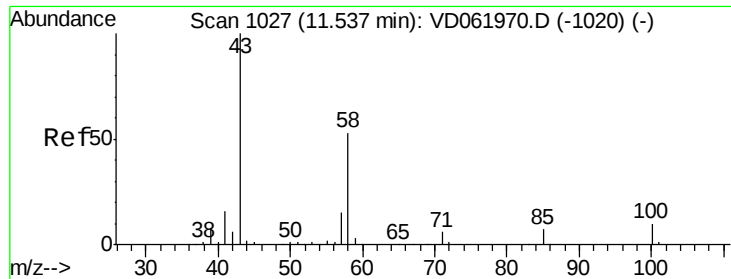
Tgt Ion: 76 Resp: 124153
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 128.654 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 63 Resp: 239561
 Ion Ratio Lower Upper
 63 100
 106 26.0 22.6 34.0

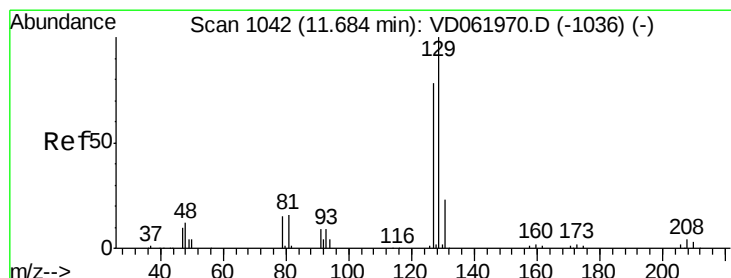
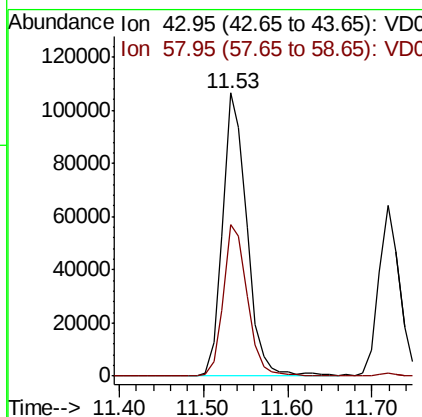
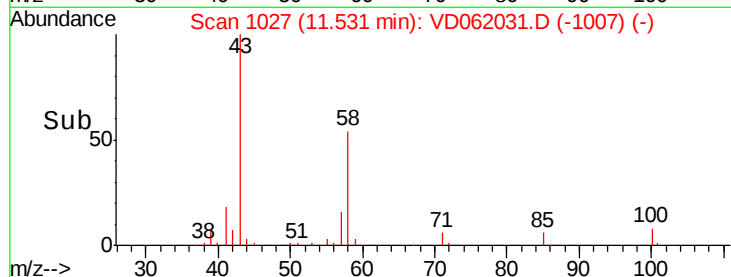
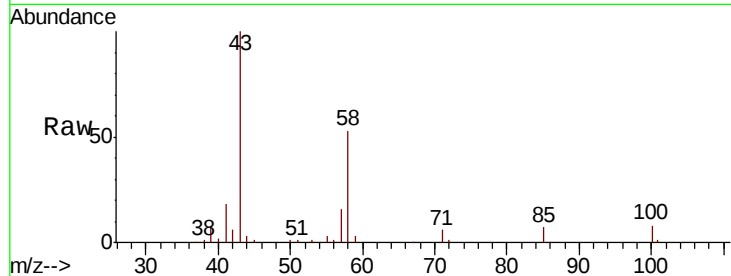




#59
2-Hexanone
Concen: 109.186 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

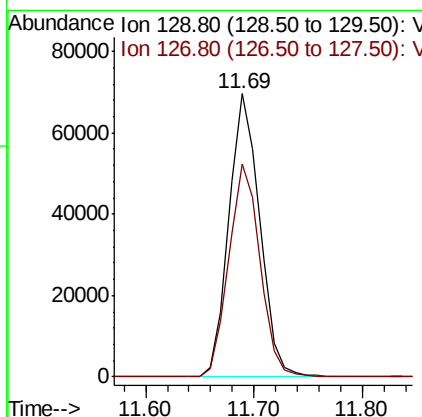
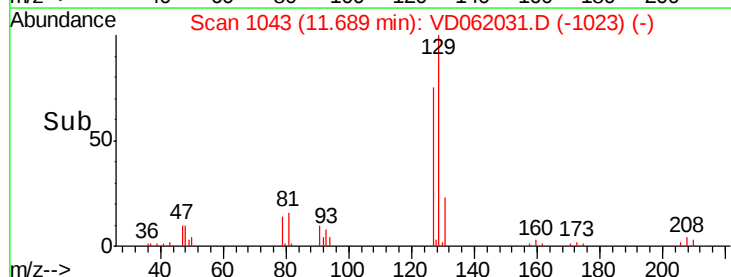
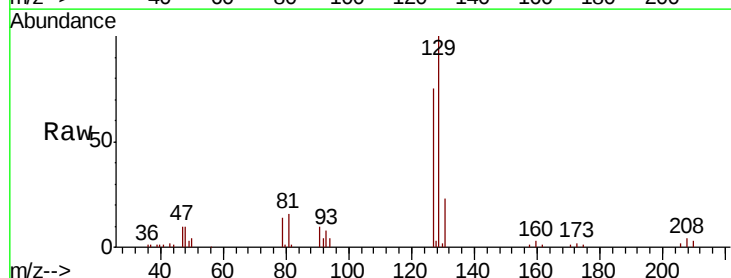
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

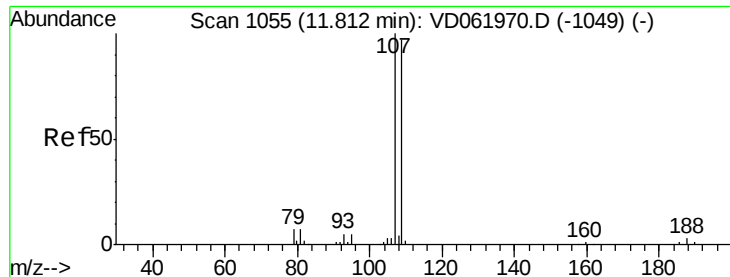
Tgt Ion: 43 Resp: 212817
Ion Ratio Lower Upper
43 100
58 53.4 25.4 76.4



#60
Dibromochloromethane
Concen: 23.041 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 129 Resp: 137861
Ion Ratio Lower Upper
129 100
127 75.2 38.0 113.9

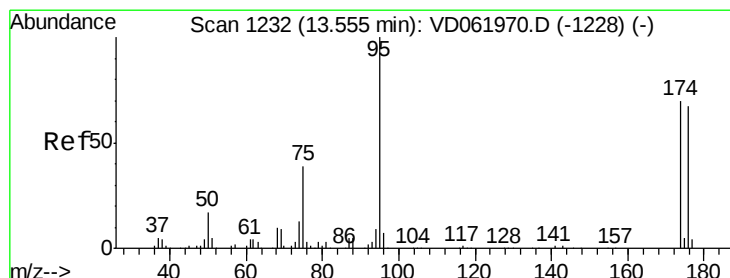
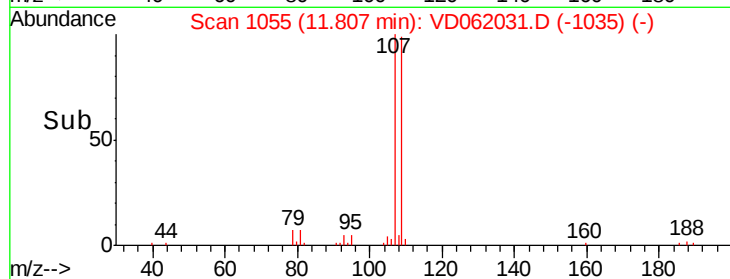
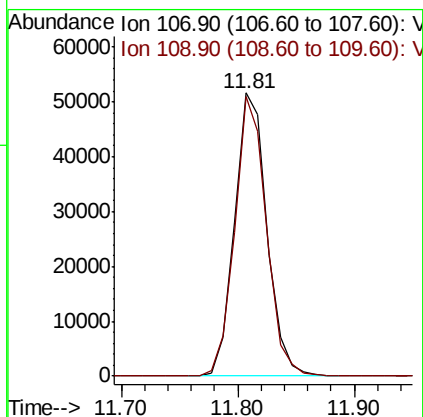
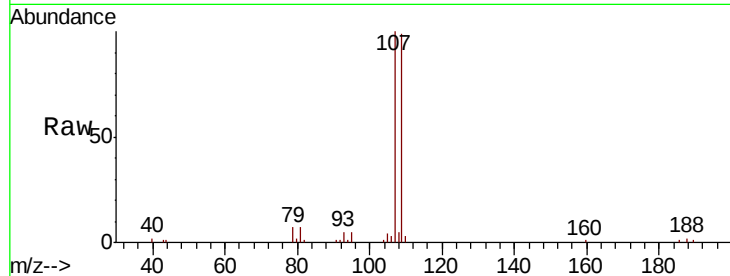




#61
 1,2-Dibromoethane
 Concen: 23.051 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

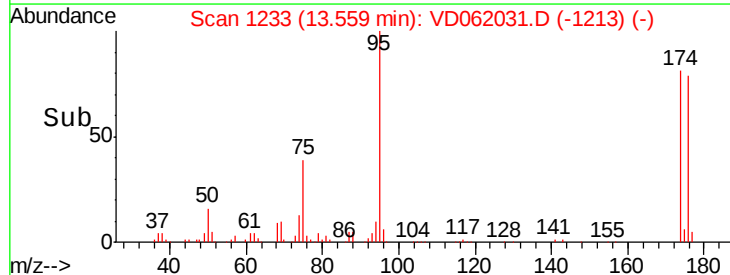
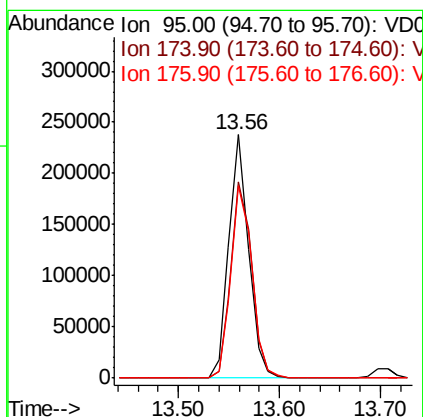
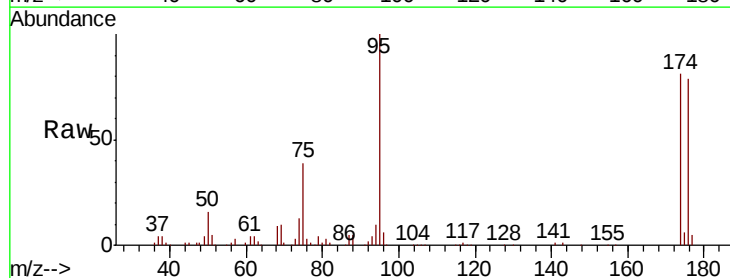
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

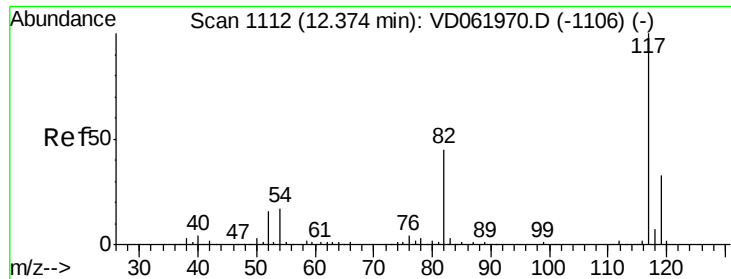
Tgt Ion: 107 Resp: 98881
 Ion Ratio Lower Upper
 107 100
 109 98.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 23.051 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 95 Resp: 324899
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 181.8
 176 79.1 0.0 174.4

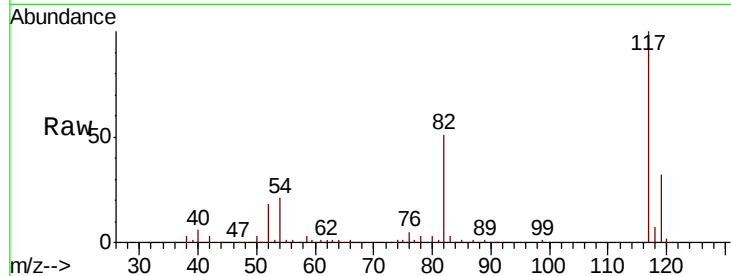




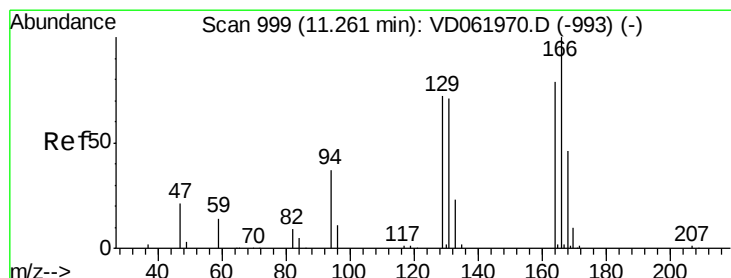
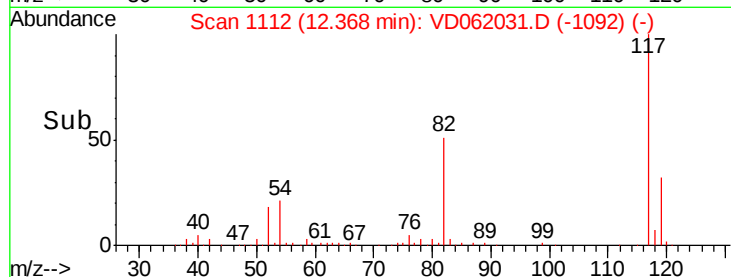
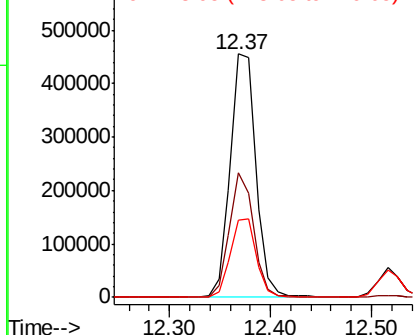
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tgt Ion:117 Resp: 804886
Ion Ratio Lower Upper
117 100
82 51.2 36.2 54.2
119 31.9 26.2 39.4

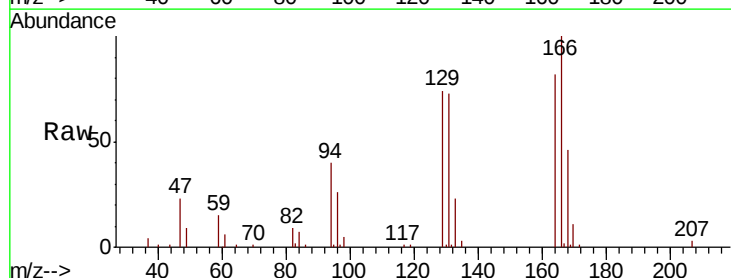


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

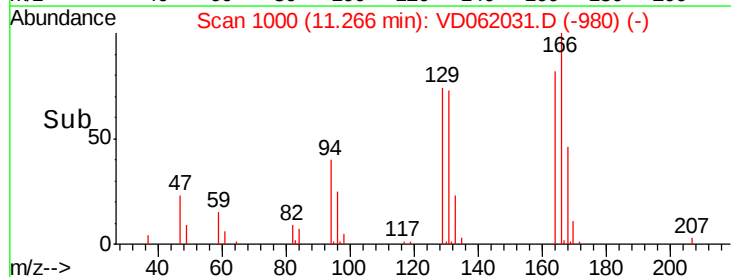
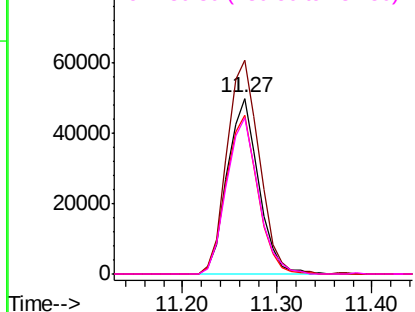


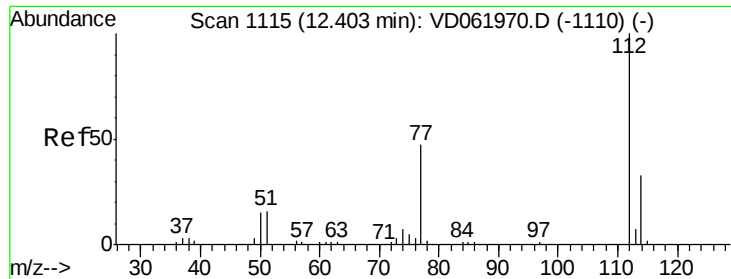
#64
Tetrachloroethene
Concen: 19.908 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion:164 Resp: 114303
Ion Ratio Lower Upper
164 100
166 121.5 101.5 152.3
129 90.4 74.6 112.0
131 89.2 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.859 ug/l

RT: 12.41 min Scan# 1116

Delta R.T. 0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

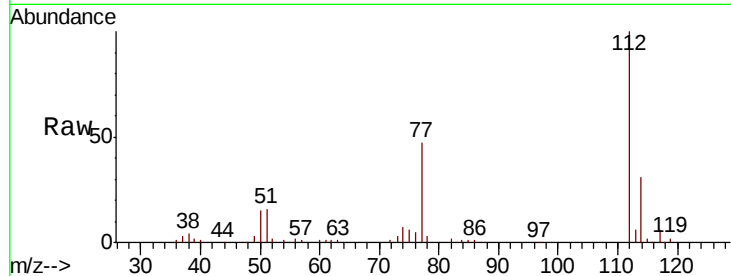
VD0425SBS01

Tgt Ion:112 Resp: 286834

Ion Ratio Lower Upper

112 100

114 31.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.41

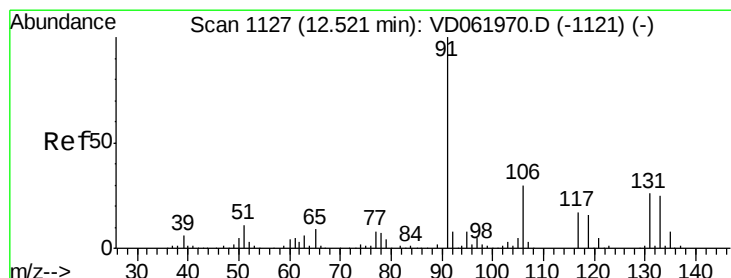
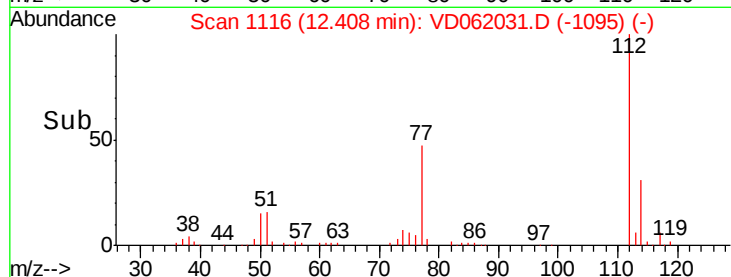
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.205 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

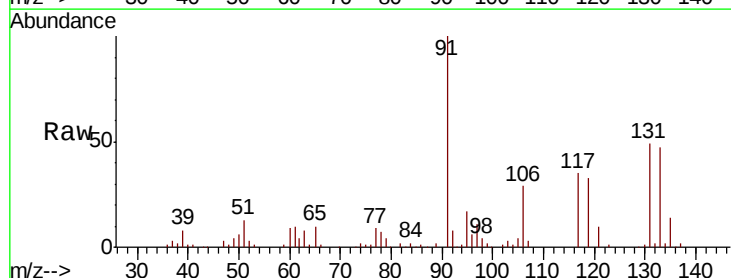
Tgt Ion:131 Resp: 130352

Ion Ratio Lower Upper

131 100

133 97.1 48.6 145.8

119 67.4 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.52

100000

80000

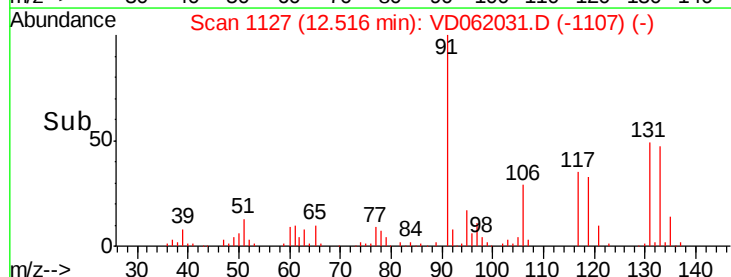
60000

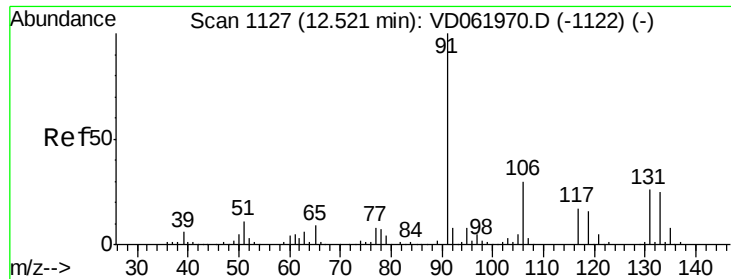
40000

20000

0

Time-->

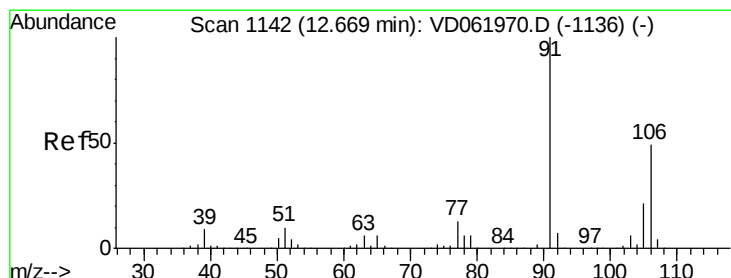
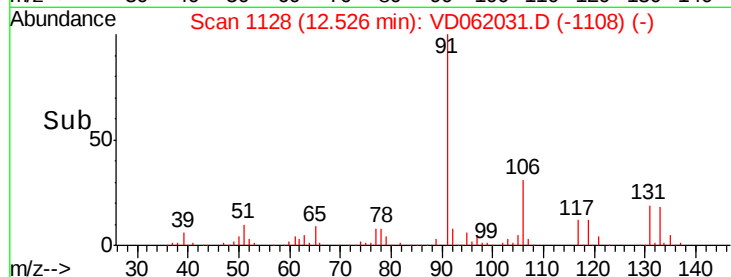
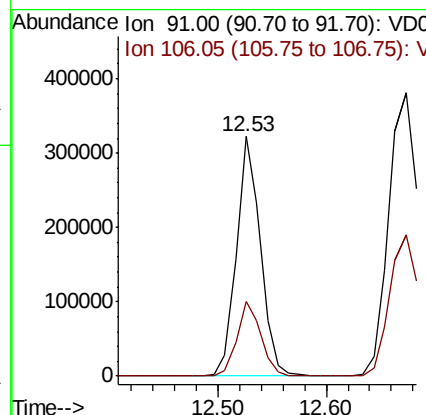
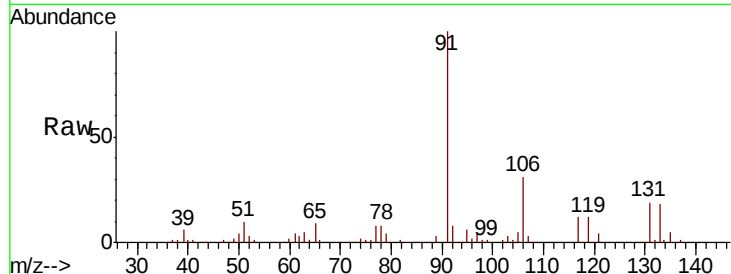




#67
Ethyl Benzene
Concen: 20.049 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

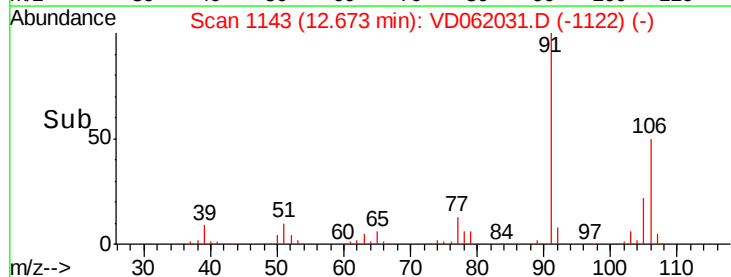
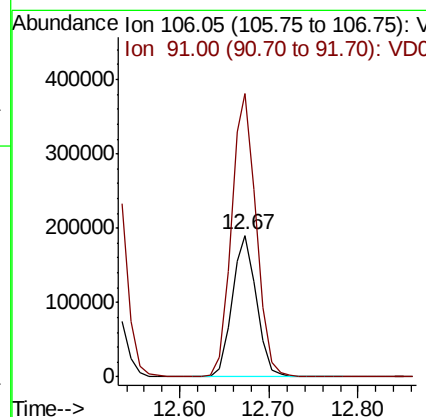
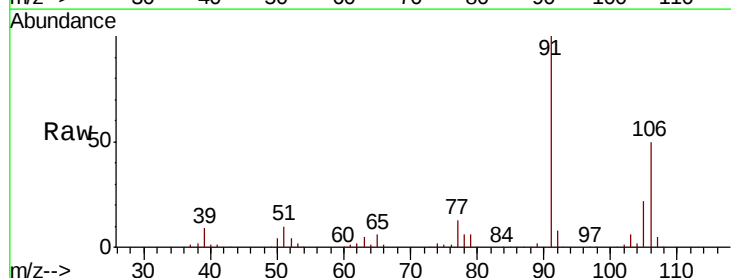
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

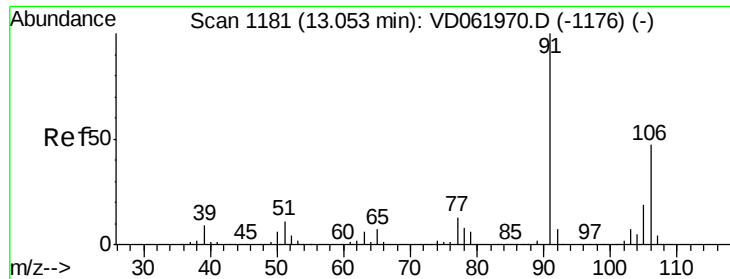
Tgt Ion: 91 Resp: 497717
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1



#68
m/p-Xylenes
Concen: 40.675 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 106 Resp: 364950
Ion Ratio Lower Upper
106 100
91 199.8 164.0 246.0

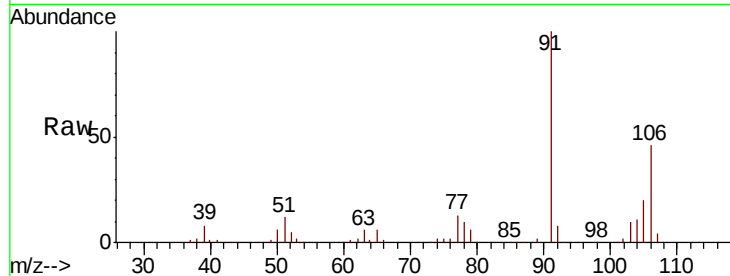




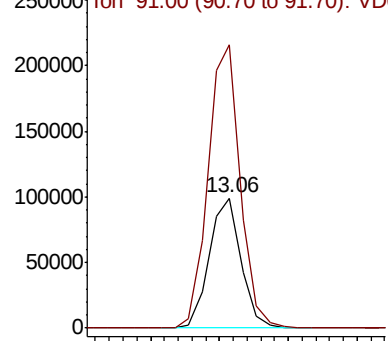
#69
o-Xylene
Concen: 19.253 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

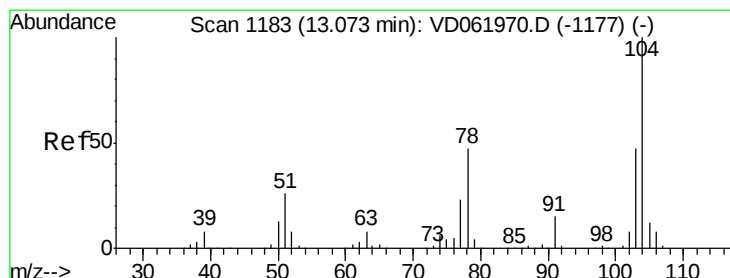
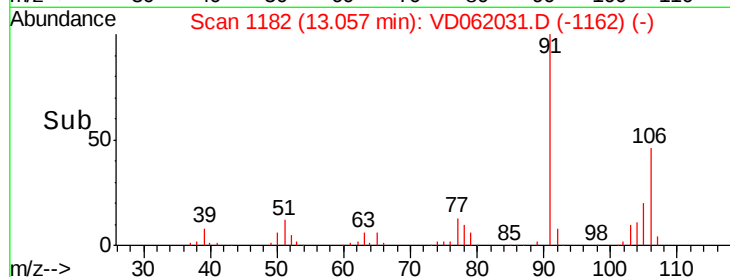
Tgt Ion:106 Resp: 158053
Ion Ratio Lower Upper
106 100
91 218.0 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

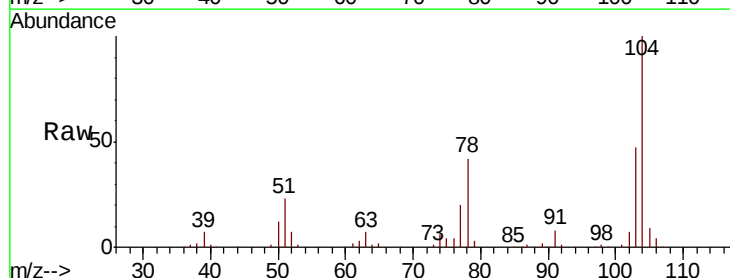


Time-->

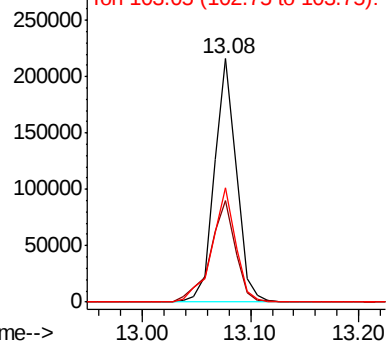


#70
Styrene
Concen: 21.387 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

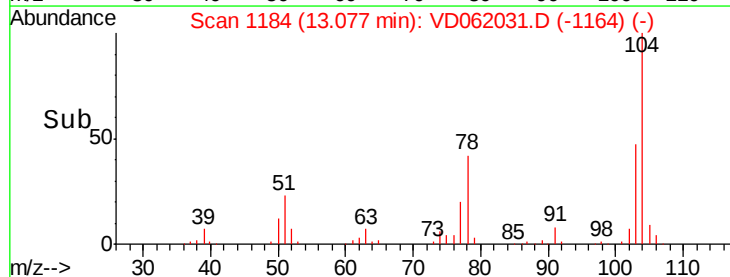
Tgt Ion:104 Resp: 303165
Ion Ratio Lower Upper
104 100
78 41.7 35.4 53.2
103 47.0 37.5 56.3

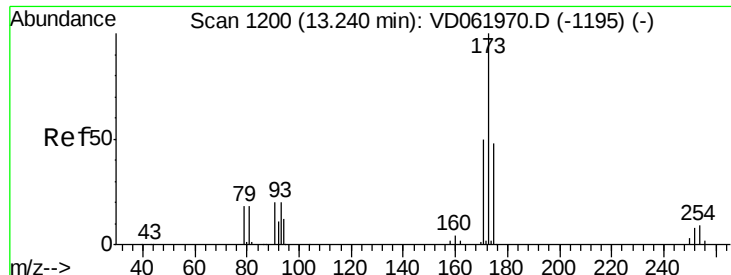


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->

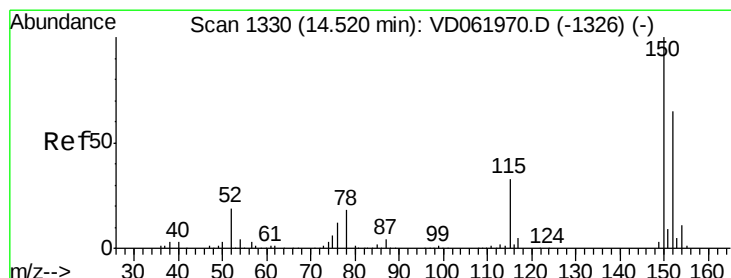
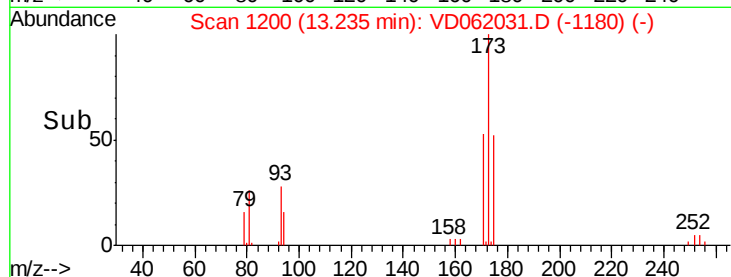
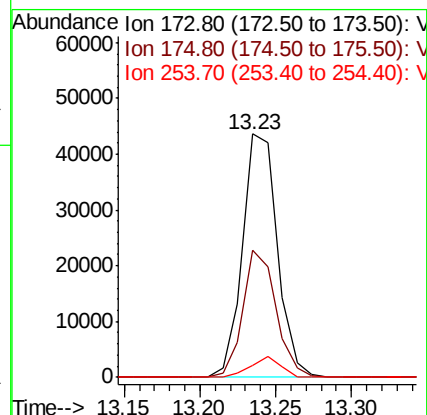
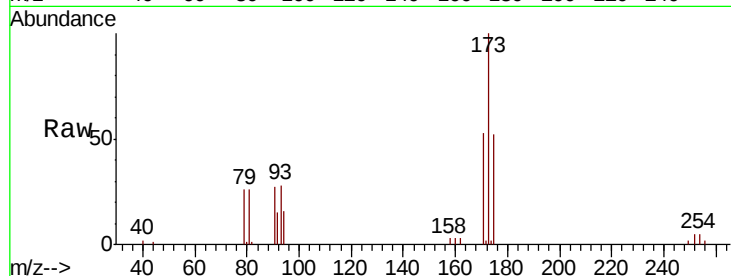




#71
Bromoform
Concen: 18.941 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

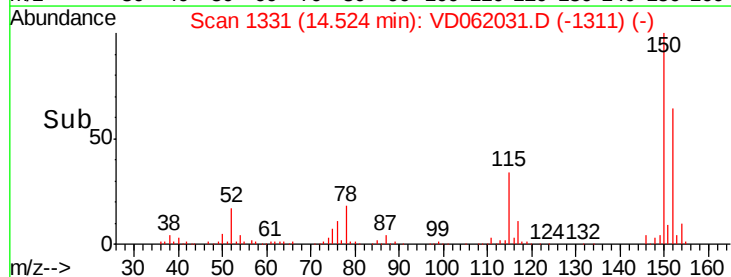
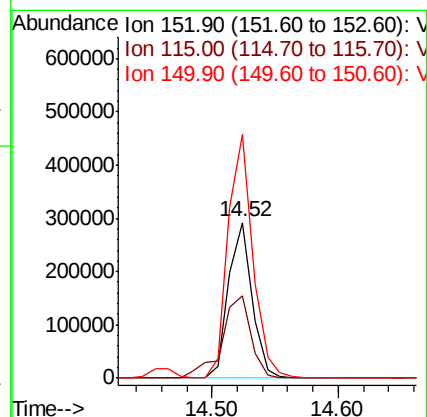
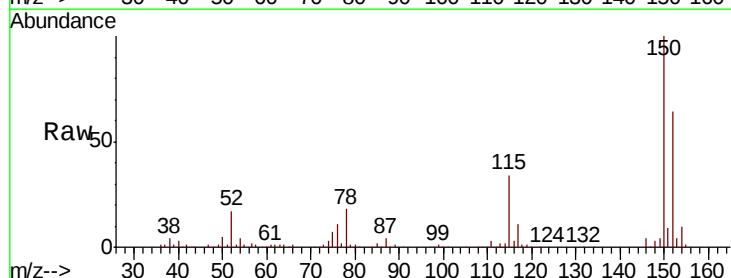
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

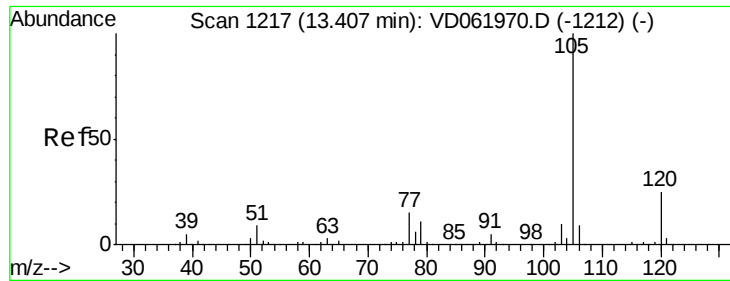
Tgt Ion:173 Resp: 69668
Ion Ratio Lower Upper
173 100
175 52.4 24.4 73.4
254 5.1 5.4 8.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion:152 Resp: 379147
Ion Ratio Lower Upper
152 100
115 53.1 30.9 92.7
150 156.4 0.0 314.8





#73

Isopropylbenzene

Concen: 18.575 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

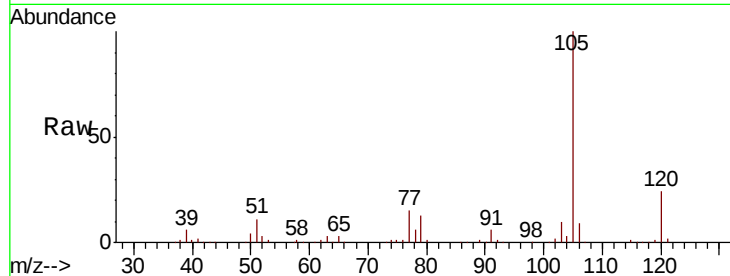
VD0425SBS01

Tgt Ion: 105 Resp: 469787

Ion Ratio Lower Upper

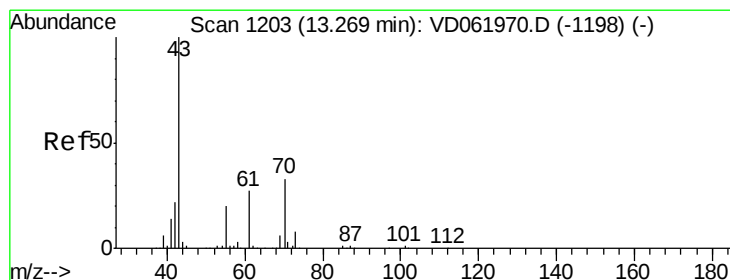
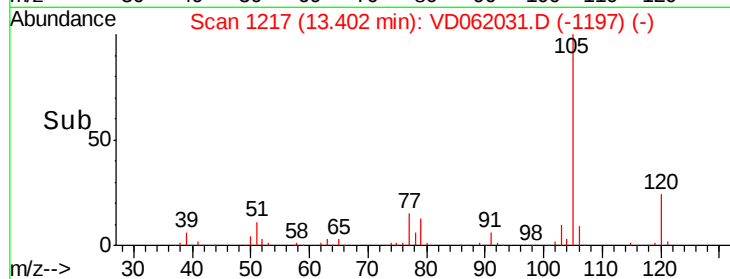
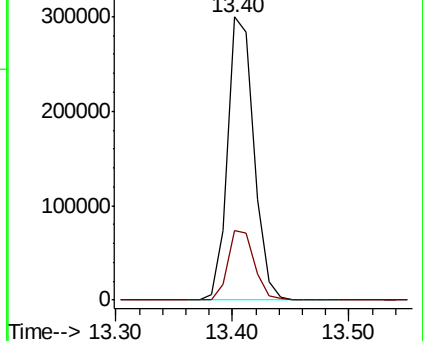
105 100

120 24.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.568 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Tgt Ion: 43 Resp: 120946

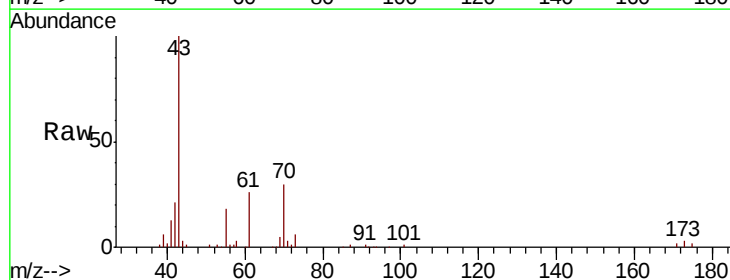
Ion Ratio Lower Upper

43 100

70 30.1 24.2 36.4

55 17.7 16.0 24.0

61 26.1 21.6 32.4

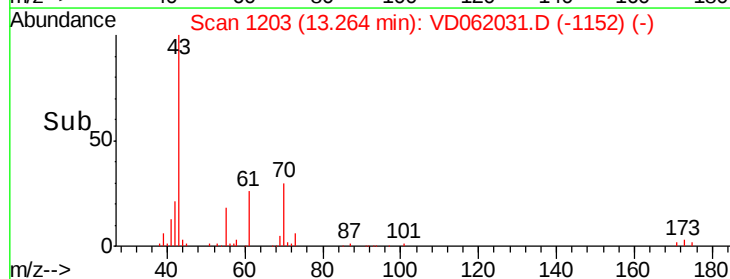
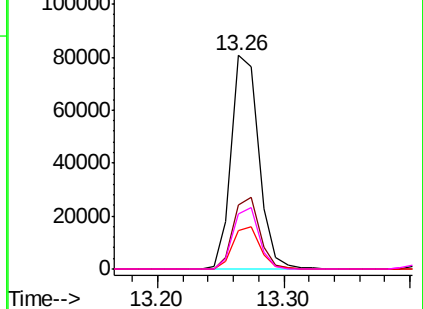


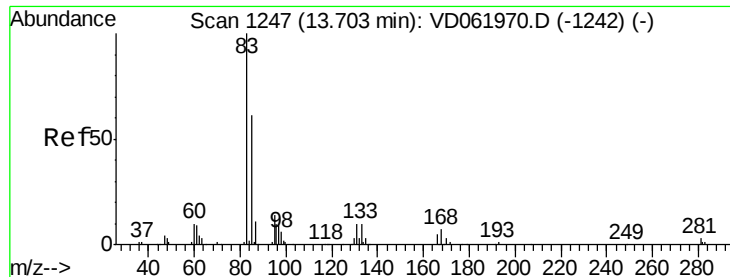
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.237 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

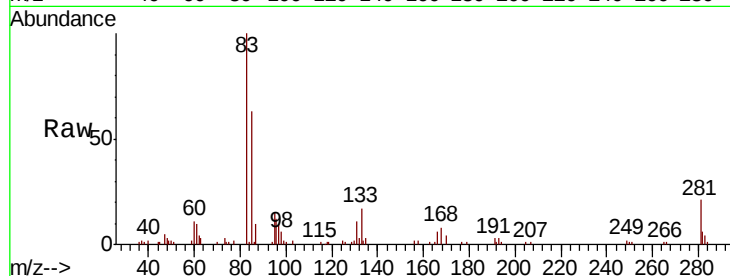
Tgt Ion: 83 Resp: 95345

Ion Ratio Lower Upper

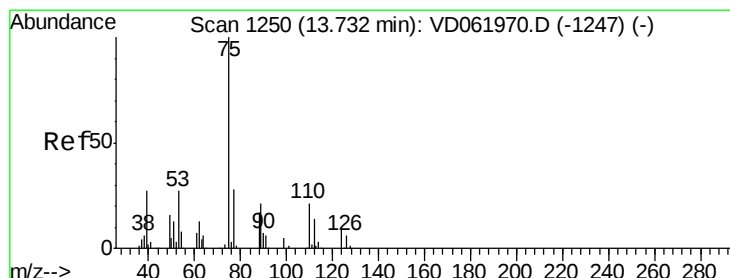
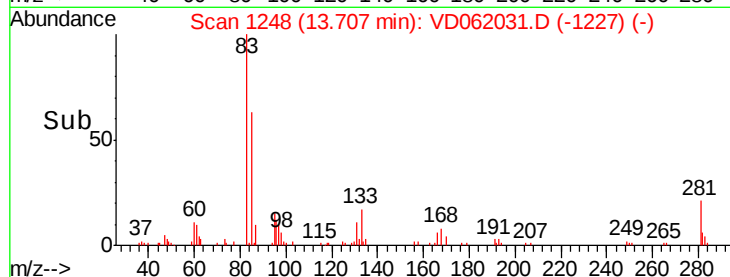
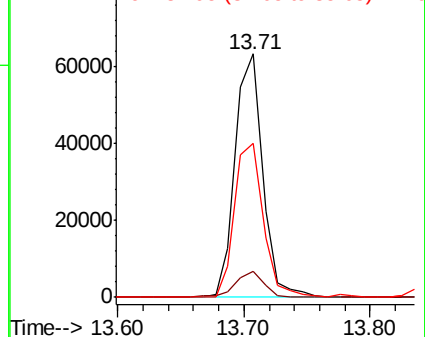
83 100

131 10.5 5.0 14.9

85 63.5 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 17.728 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062031.D

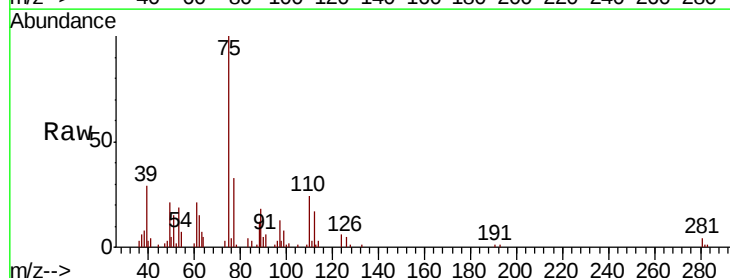
Acq: 25 Apr 2019 11:33

Tgt Ion: 75 Resp: 85355

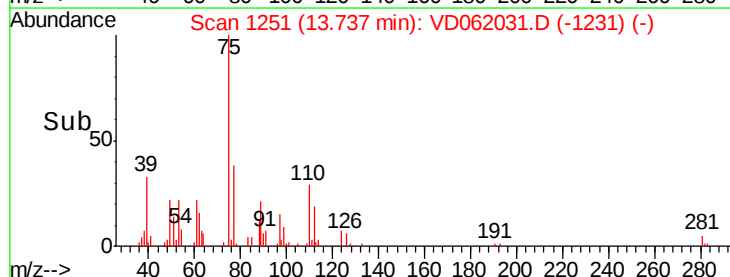
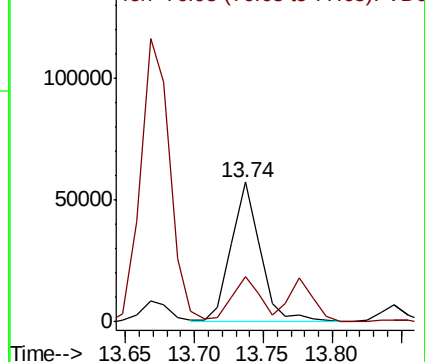
Ion Ratio Lower Upper

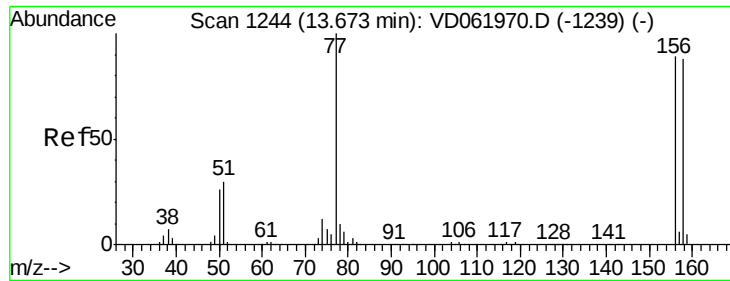
75 100

77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.952 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

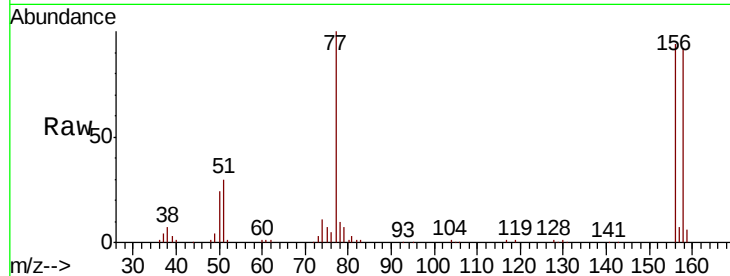
Tgt Ion: 156 Resp: 137501

Ion Ratio Lower Upper

156 100

77 106.5 53.1 159.4

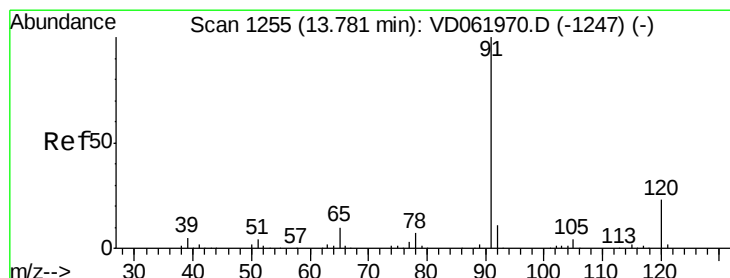
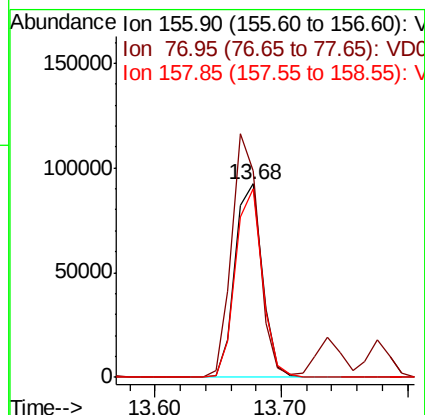
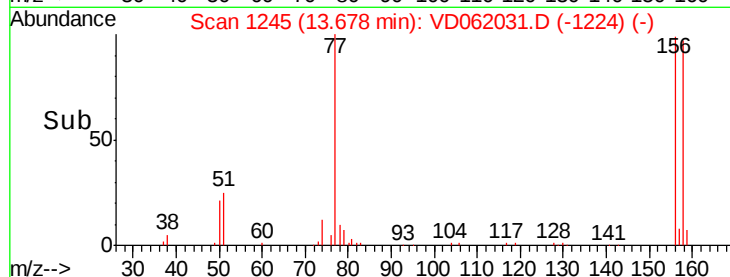
158 97.6 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.256 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062031.D

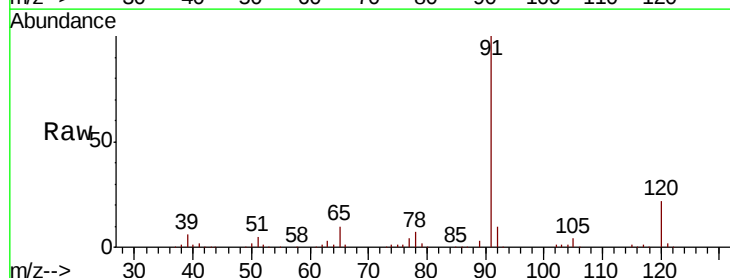
Acq: 25 Apr 2019 11:33

Tgt Ion: 91 Resp: 586473

Ion Ratio Lower Upper

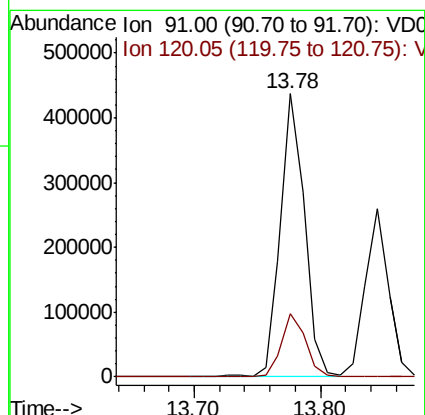
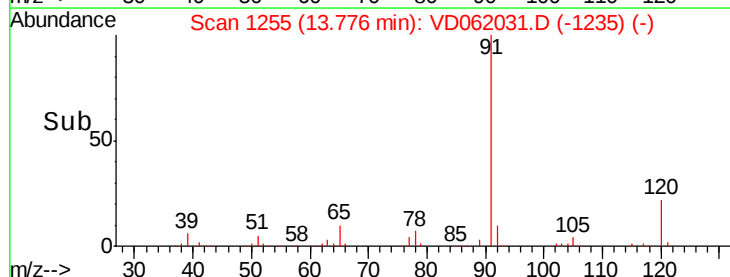
91 100

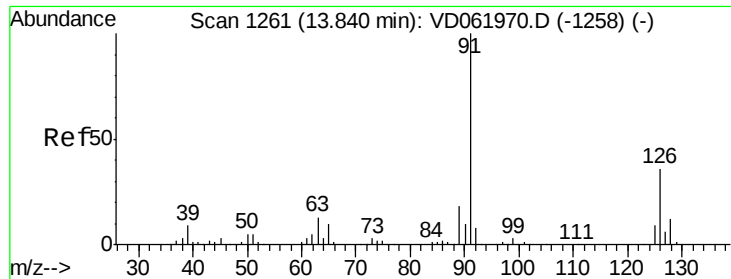
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

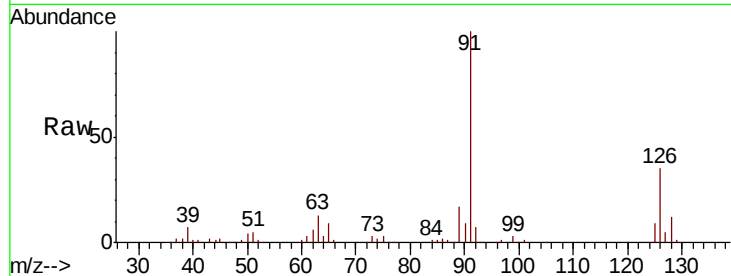




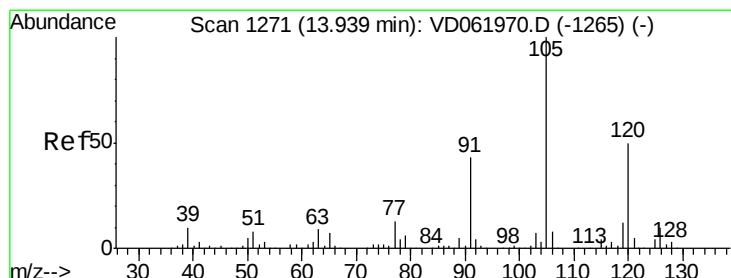
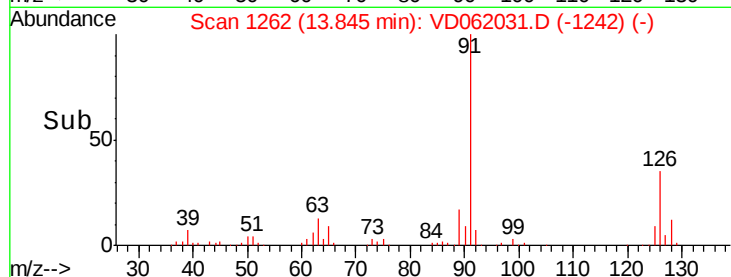
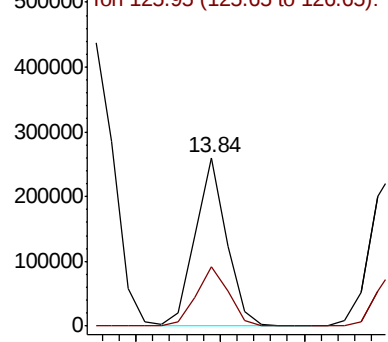
#79
 2-Chlorotoluene
 Concen: 19.125 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Tgt Ion: 91 Resp: 335402
 Ion Ratio Lower Upper
 91 100
 126 35.0 18.6 55.8

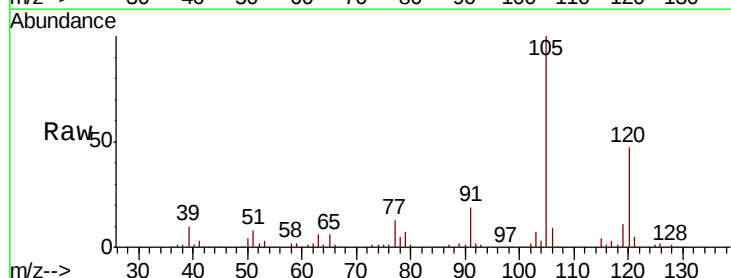


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

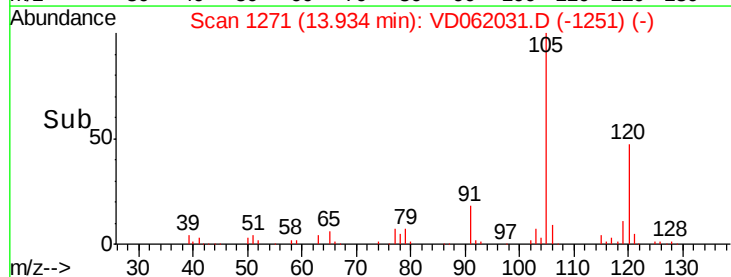
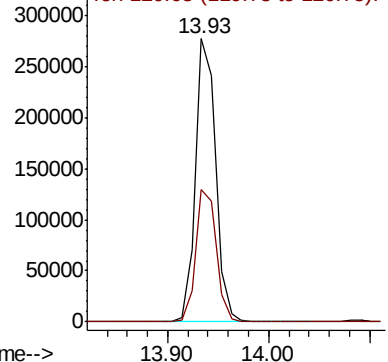


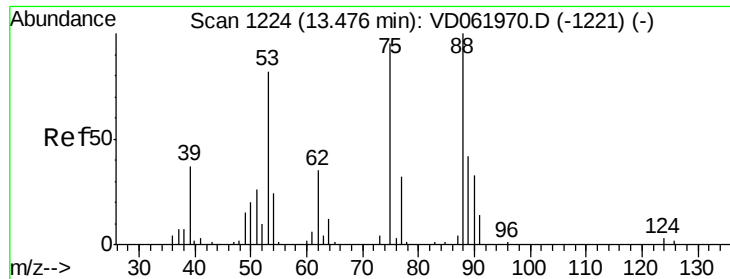
#80
 1,3,5-Trimethylbenzene
 Concen: 19.175 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 105 Resp: 386697
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

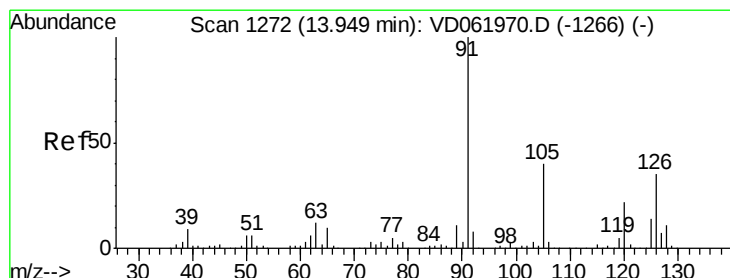
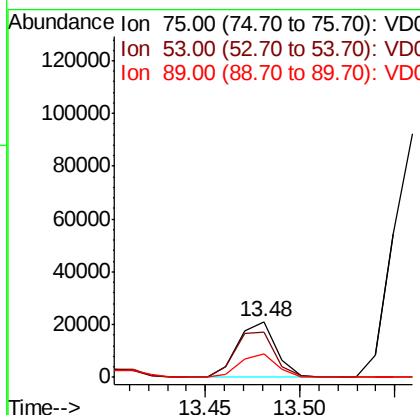
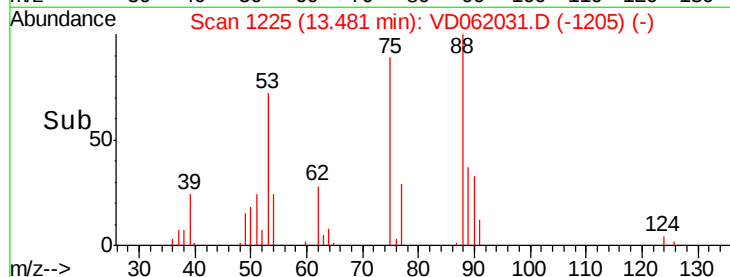
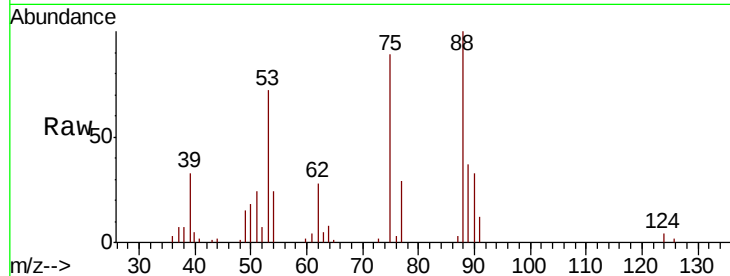




#81
trans-1,4-Dichloro-2-butene
Concen: 20.287 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

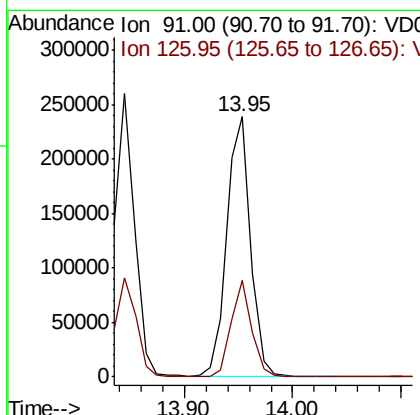
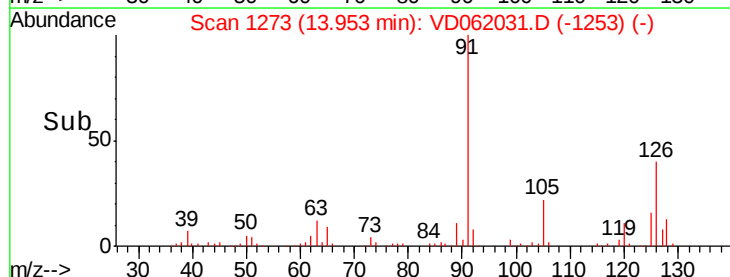
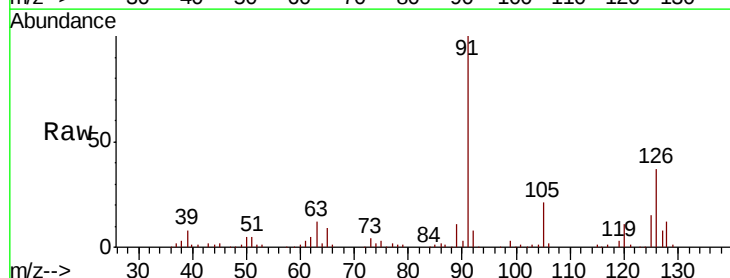
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

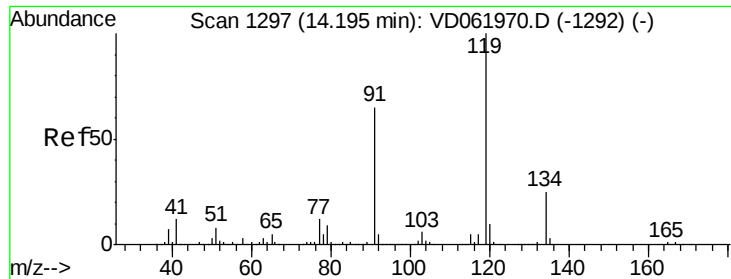
Tgt Ion: 75 Resp: 29599
Ion Ratio Lower Upper
75 100
53 81.0 65.8 98.8
89 41.3 35.0 52.6



#82
4-Chlorotoluene
Concen: 18.923 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion: 91 Resp: 365473
Ion Ratio Lower Upper
91 100
126 37.2 19.1 57.5

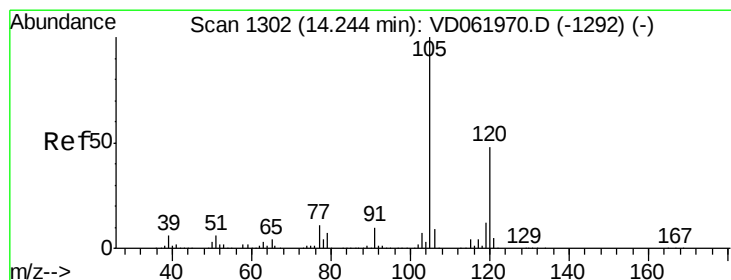
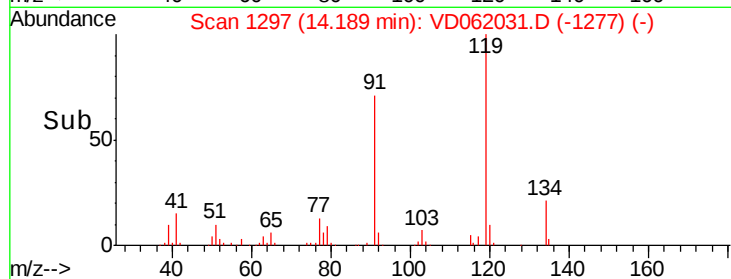
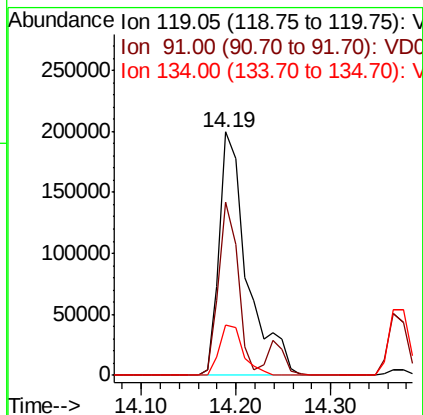
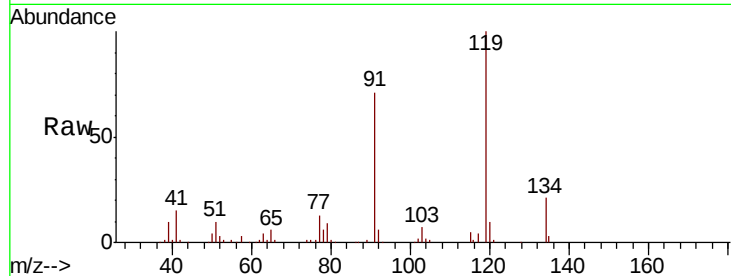




#83
 tert-Butylbenzene
 Concen: 17.656 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

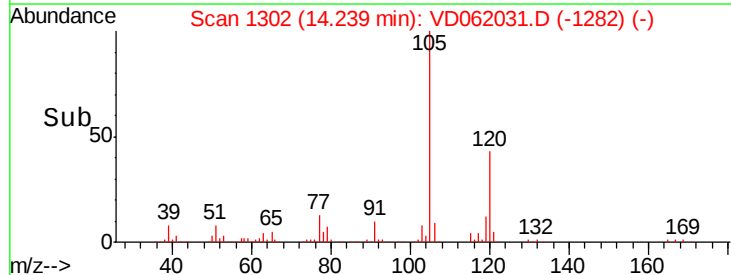
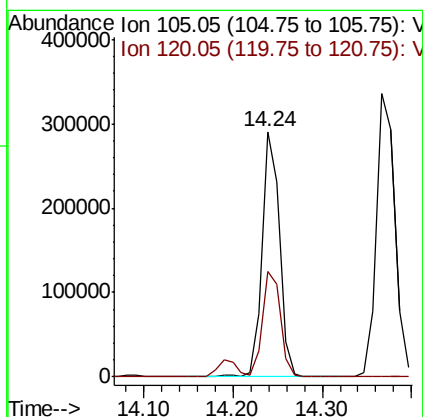
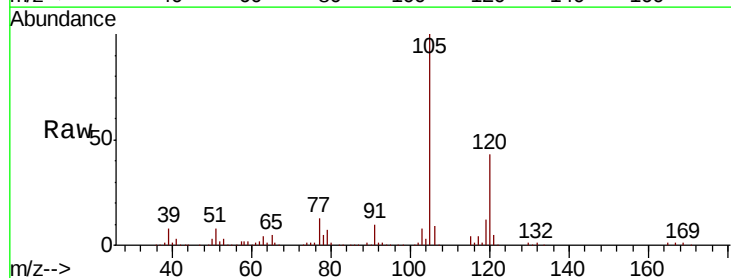
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

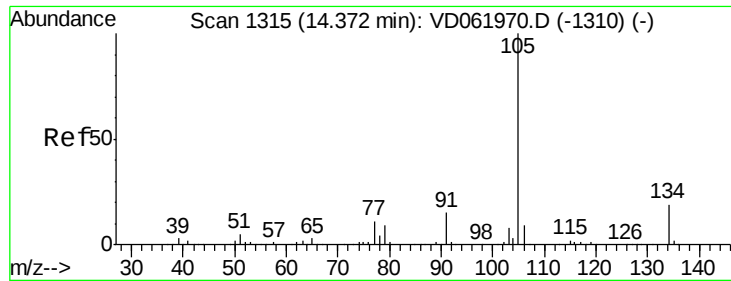
Tgt Ion:119 Resp: 412469
 Ion Ratio Lower Upper
 119 100
 91 71.3 34.2 102.6
 134 20.8 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.081 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion:105 Resp: 386674
 Ion Ratio Lower Upper
 105 100
 120 42.9 23.1 69.2

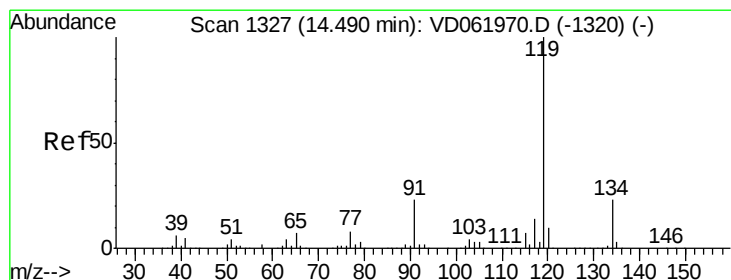
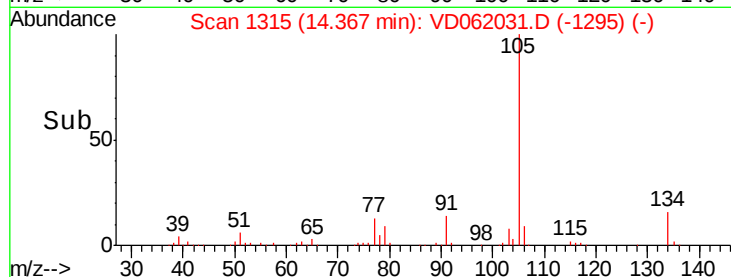
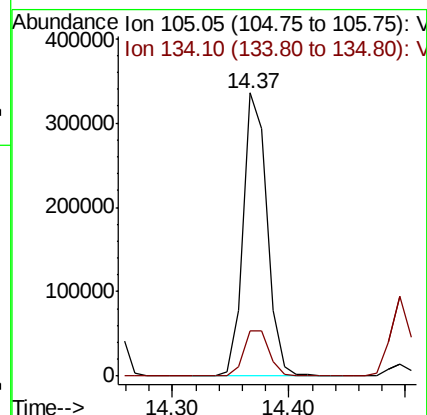
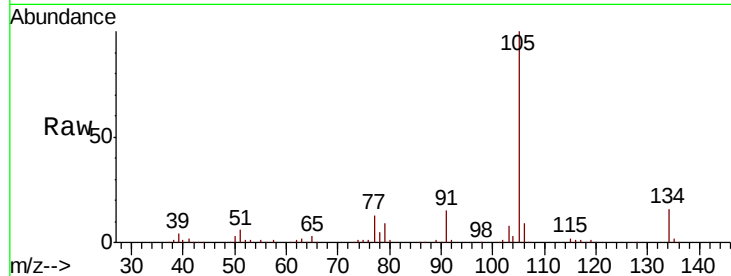




#85
 sec-Butylbenzene
 Concen: 18.846 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

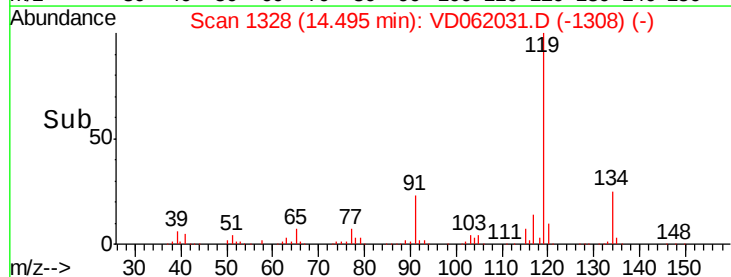
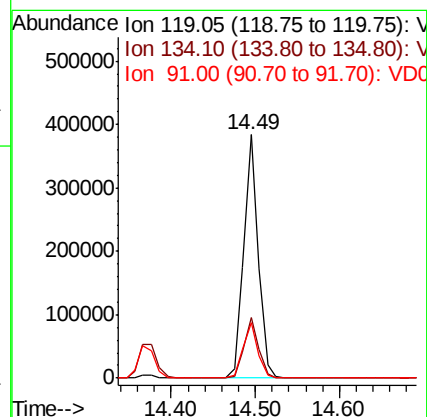
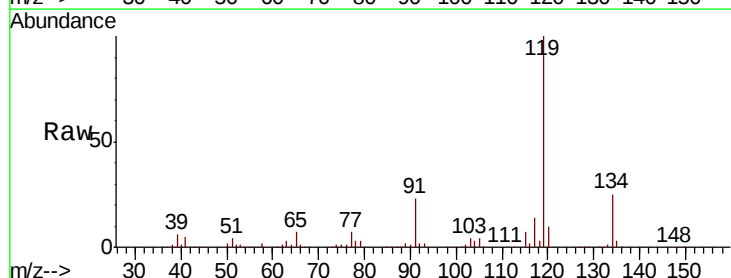
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

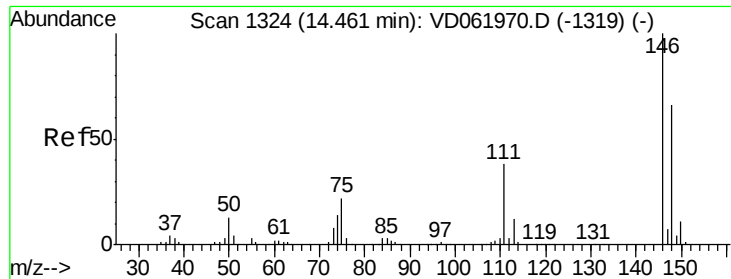
Tgt Ion:105 Resp: 475731
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.302 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion:119 Resp: 458656
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.8 38.3
 91 22.7 10.7 32.1

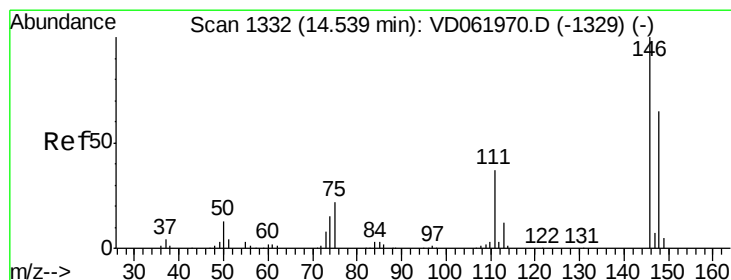
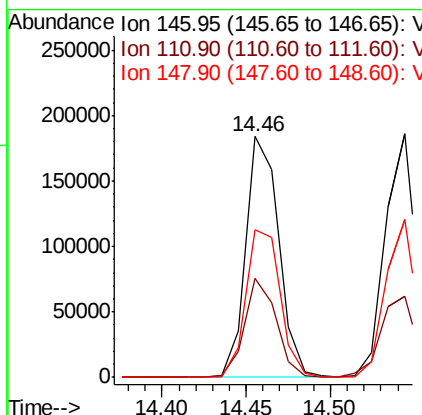
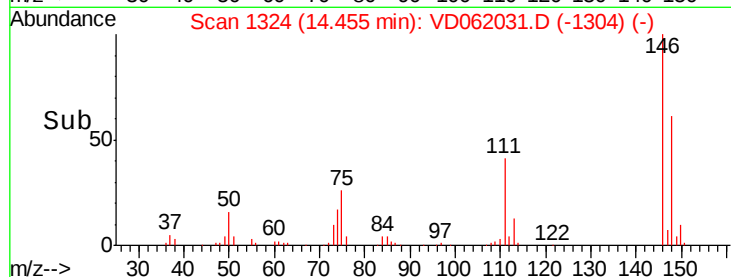
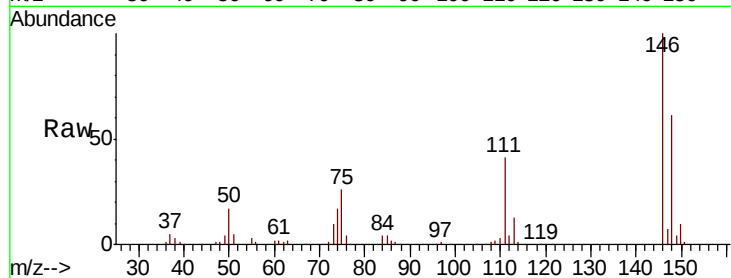




#87
 1,3-Dichlorobenzene
 Concen: 19.776 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

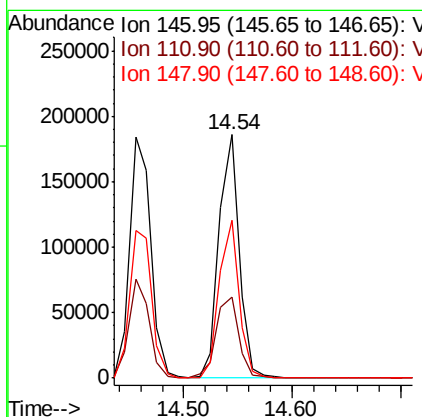
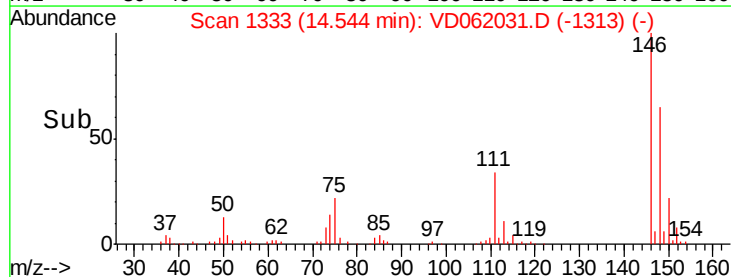
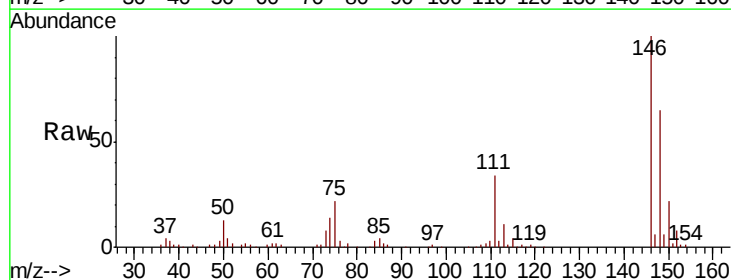
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0425SBS01

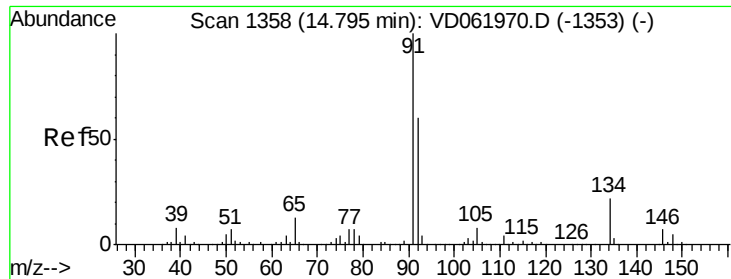
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	61.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.443 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.6	20.2	60.5
148	64.8	32.0	96.2





#89

n-Butylbenzene

Concen: 20.037 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062031.D

Acq: 25 Apr 2019 11:33

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

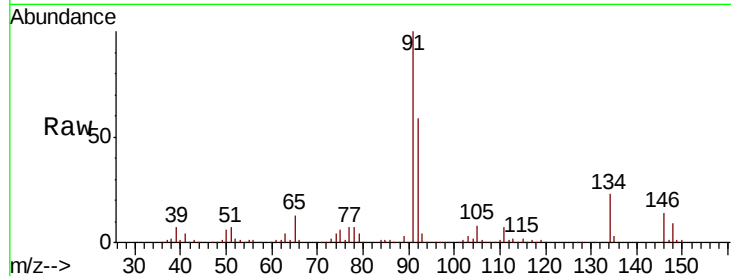
Tgt Ion: 91 Resp: 406405

Ion Ratio Lower Upper

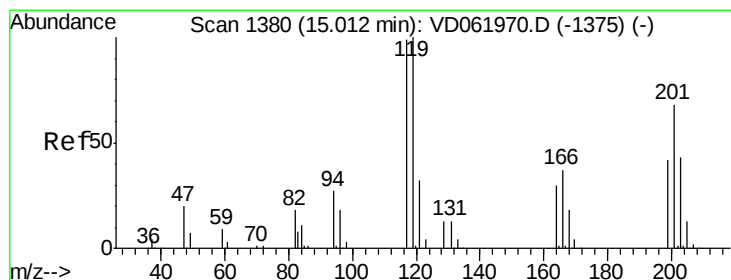
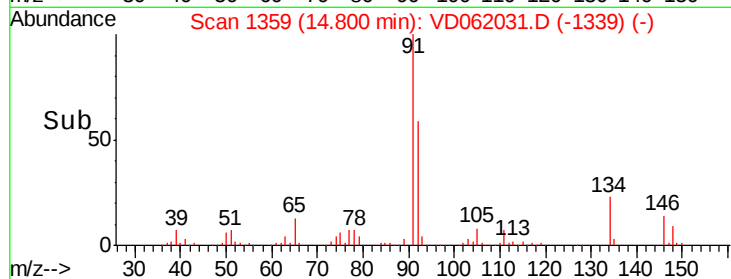
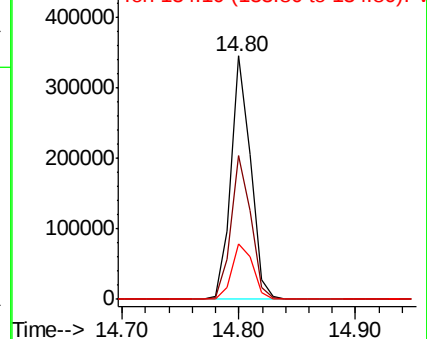
91 100

92 58.9 30.3 91.0

134 23.0 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 17.727 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062031.D

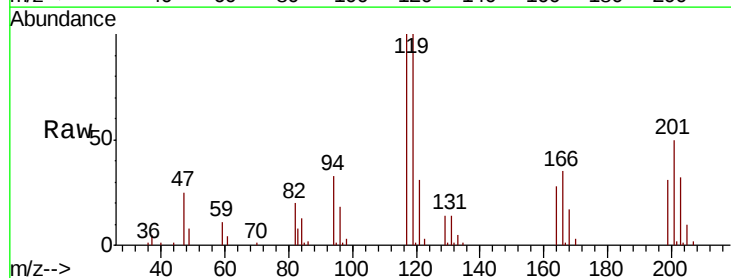
Acq: 25 Apr 2019 11:33

Tgt Ion: 117 Resp: 108293

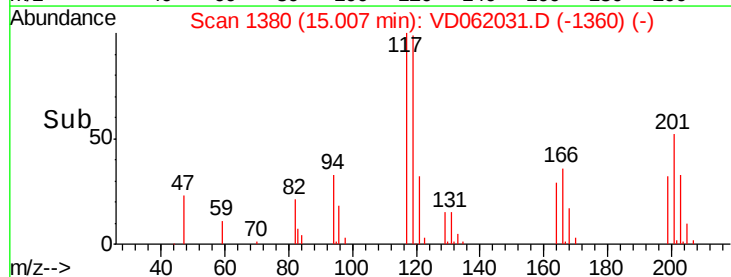
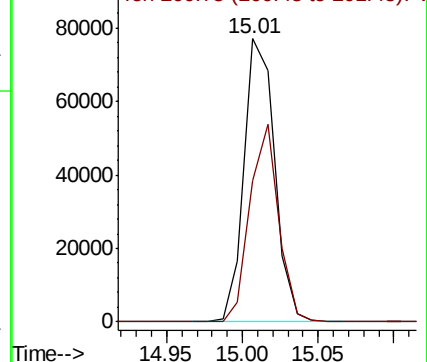
Ion Ratio Lower Upper

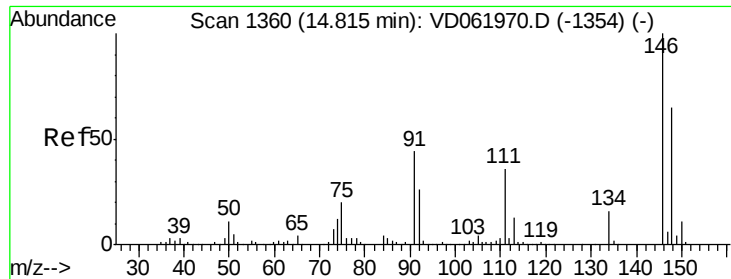
117 100

201 50.1 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

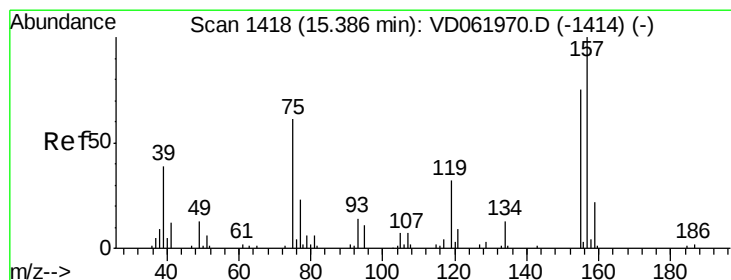
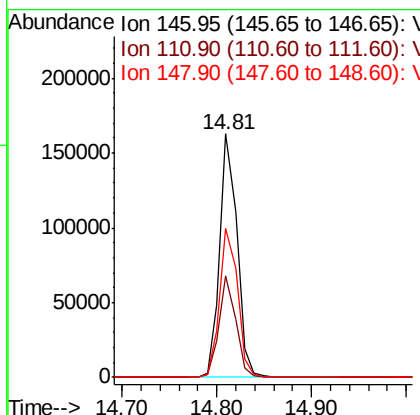
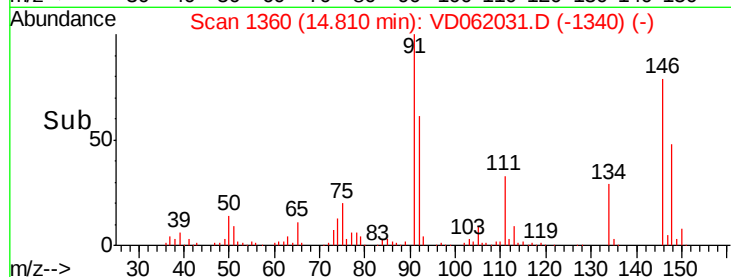
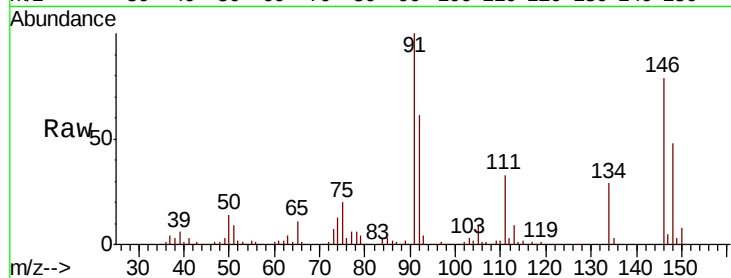




#91
 1,2-Dichlorobenzene
 Concen: 19.763 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

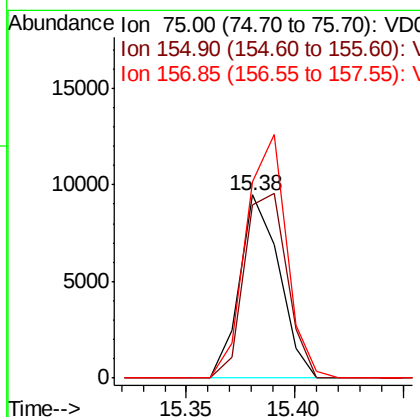
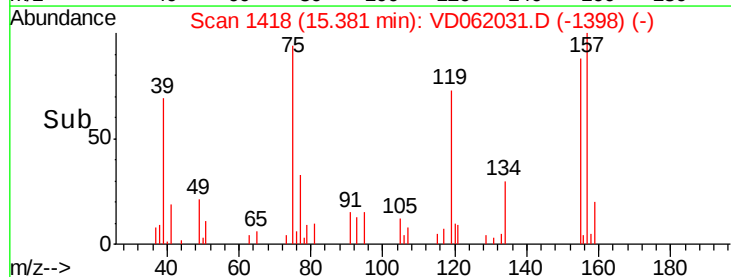
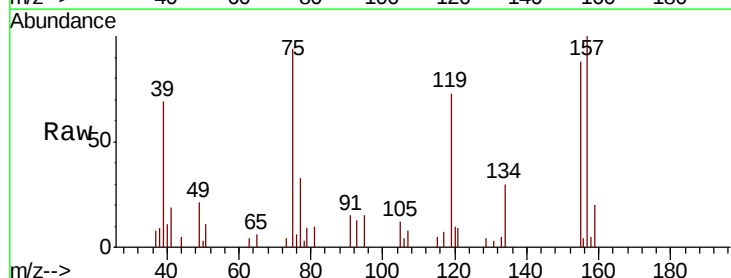
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

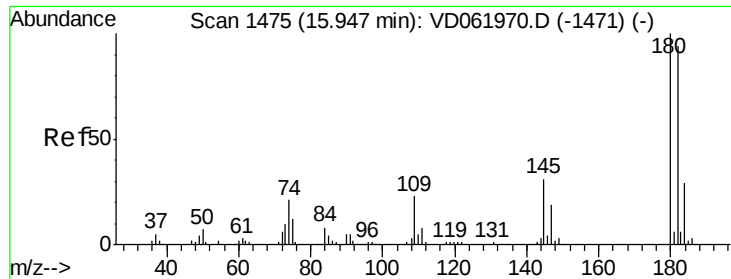
Tgt Ion: 146 Resp: 207128
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 59.9
 148 61.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.242 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion: 75 Resp: 12063
 Ion Ratio Lower Upper
 75 100
 155 94.3 55.3 165.8
 157 106.8 67.8 203.2

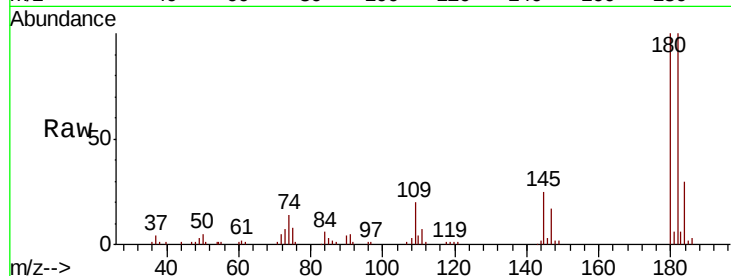




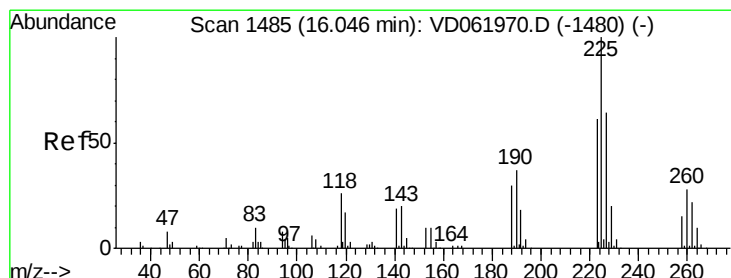
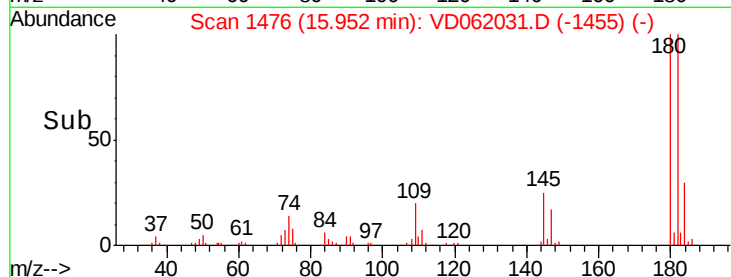
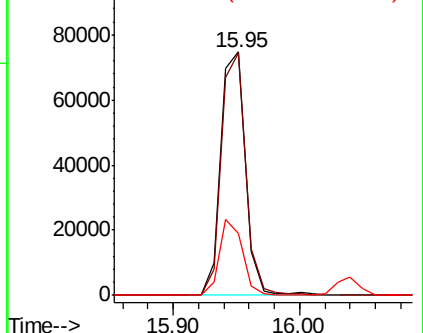
#93
 1,2,4-Trichlorobenzene
 Concen: 17.930 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Tgt Ion:180 Resp: 101390
 Ion Ratio Lower Upper
 180 100
 182 99.8 49.3 147.8
 145 25.2 16.2 48.6

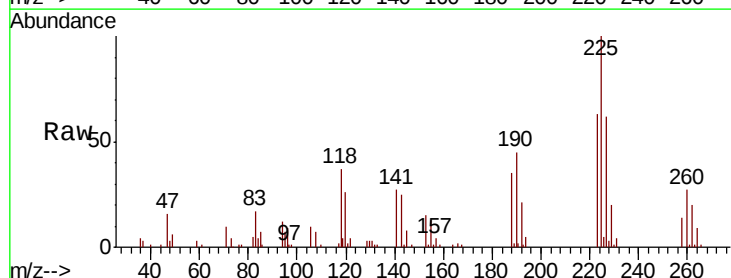


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

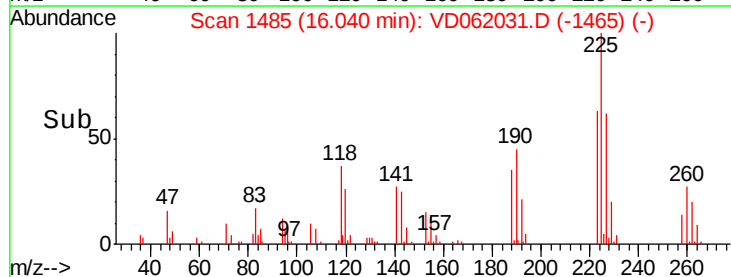
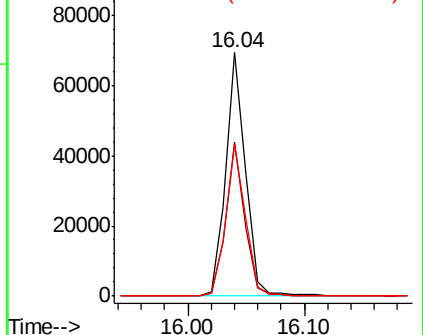


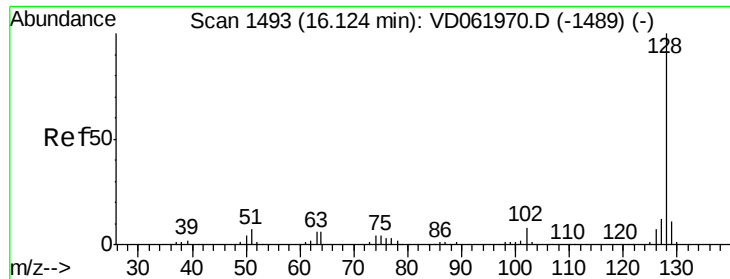
#94
 Hexachlorobutadiene
 Concen: 19.371 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062031.D
 Acq: 25 Apr 2019 11:33

Tgt Ion:225 Resp: 81063
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.6 92.0
 227 62.2 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

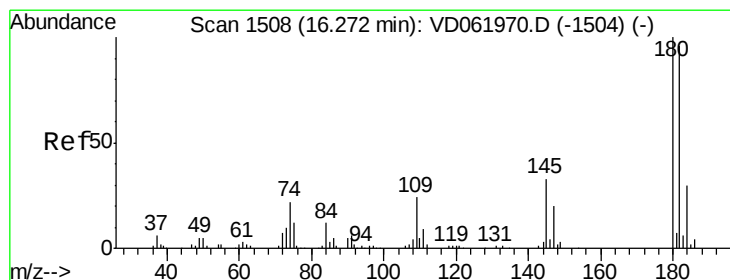
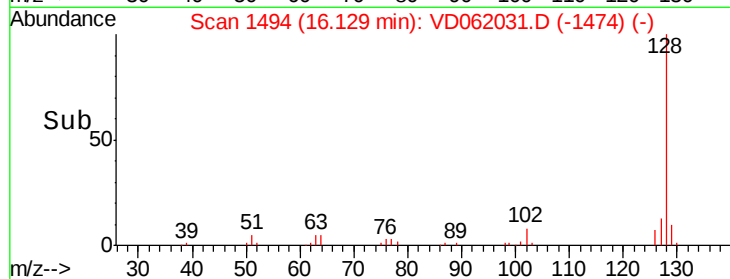
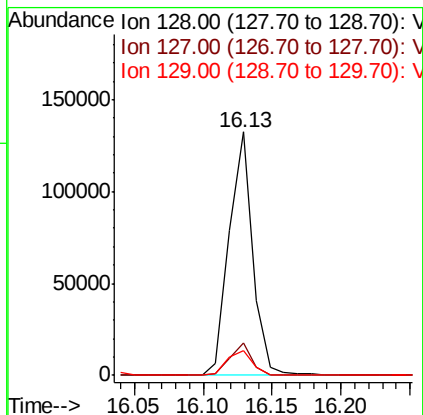
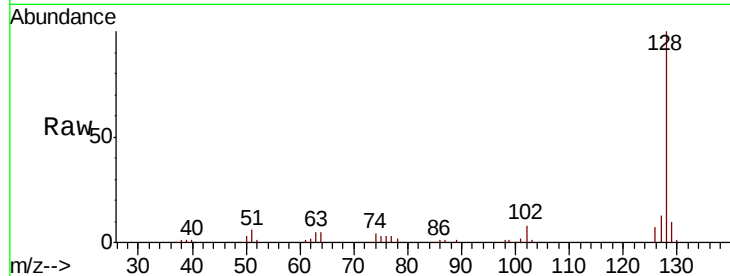




#95
Naphthalene
Concen: 17.257 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tgt Ion:128 Resp: 157566
Ion Ratio Lower Upper
128 100
127 13.1 9.8 14.8
129 10.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.244 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062031.D
Acq: 25 Apr 2019 11:33

Tgt Ion:180 Resp: 61745
Ion Ratio Lower Upper
180 100
182 103.8 47.0 141.0
145 29.9 17.0 51.0

