

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042619\
 Data File : VD062055.D
 Acq On : 26 Apr 2019 12:05
 Operator : VA/AP
 Sample : VD0426SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Quant Time: Apr 26 23:04:18 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	7.07	168	526085	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.24	114	796020	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	667750	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	319105	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	219986	53.43	ug/l	0.02
Spiked Amount			Recovery	=	106.86%	
35) Dibromofluoromethane	6.95	113	304923	55.39	ug/l	0.01
Spiked Amount			Recovery	=	110.78%	
50) Toluene-d8	10.43	98	722715	55.17	ug/l	0.01
Spiked Amount			Recovery	=	110.34%	
62) 4-Bromofluorobenzene	13.56	95	288688	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	84850	18.063	ug/l	98
3) Chloromethane	1.76	50	73402	18.385	ug/l	95
4) Vinyl Chloride	1.86	62	71263	19.693	ug/l	99
5) Bromomethane	2.15	94	20739	19.087	ug/l	99
6) Chloroethane	2.26	64	27344	20.904	ug/l	91
7) Trichlorofluoromethane	2.54	101	123694	22.607	ug/l	97
8) Diethyl Ether	2.88	74	30631	20.888	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	111313	22.085	ug/l	97
10) Methyl Iodide	3.33	142	116431	18.945	ug/l	99
11) Tert butyl alcohol	4.08	59	24040	103.337	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	88700	20.685	ug/l	92
13) Acrolein	3.05	56	23584	97.706	ug/l	97
14) Allyl chloride	3.64	41	119810	20.461	ug/l	97
15) Acrylonitrile	4.21	53	69011	95.799	ug/l	97
16) Acetone	3.23	43	96871	98.534	ug/l #	89
17) Carbon Disulfide	3.39	76	244023	19.693	ug/l	98
18) Methyl Acetate	3.65	43	41969	22.343	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	178622	20.994	ug/l	98
20) Methylene Chloride	3.84	84	110018	21.147	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	93274	18.961	ug/l	98
22) Diisopropyl ether	5.15	45	259925	19.013	ug/l	98
23) Vinyl Acetate	5.08	43	692511	97.272	ug/l	97
24) 1,1-Dichloroethane	5.01	63	168968	20.449	ug/l	100
25) 2-Butanone	6.09	43	108983	91.432	ug/l	95
26) 2,2-Dichloropropane	6.04	77	152982	21.223	ug/l	96
27) cis-1,2-Dichloroethene	6.06	96	109015	19.480	ug/l	98
28) Bromochloromethane	6.47	49	63907	20.214	ug/l	97
29) Tetrahydrofuran	6.48	42	55137	93.881	ug/l	97
30) Chloroform	6.68	83	197898	21.086	ug/l	100
31) Cyclohexane	6.99	56	111977	18.258	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	168917	20.686	ug/l	98
36) 1,1-Dichloropropene	7.17	75	141201	22.768	ug/l	93
37) Ethyl Acetate	6.20	43	56429	21.352	ug/l	96
38) Carbon Tetrachloride	7.14	117	182233	23.188	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	131584	21.504	ug/l	99
40) Benzene	7.48	78	311550	20.291	ug/l	100
41) Methacrylonitrile	6.47	41	68077	22.077	ug/l #	94
42) 1,2-Dichloroethane	7.60	62	116469	22.341	ug/l	96
43) Isopropyl Acetate	9.26	43	74186	19.212	ug/l	90
44) Trichloroethene	8.56	130	123136	20.687	ug/l	98
45) 1,2-Dichloropropane	8.96	63	75450	19.371	ug/l	96
46) Dibromomethane	9.08	93	60991	21.761	ug/l	95
47) Bromodichloromethane	9.40	83	145367	21.951	ug/l	96
48) Methyl methacrylate	9.14	41	48250	21.900	ug/l	95
49) 1,4-Dioxane	9.09	88	10300	433.622	ug/l #	91
51) 4-Methyl-2-Pentanone	10.33	43	248660	105.295	ug/l	98
52) Toluene	10.53	92	216005	22.064	ug/l	96
53) t-1,3-Dichloropropene	10.94	75	126196	22.702	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	144534	21.378	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	69445	21.130	ug/l	96
56) Ethyl methacrylate	11.06	69	72454	19.905	ug/l	95
57) 1,3-Dichloropropane	11.43	76	110970	21.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	175595	103.757	ug/l	95
59) 2-Hexanone	11.55	43	183227	103.430	ug/l	100
60) Dibromochloromethane	11.70	129	121827	22.402	ug/l	99
61) 1,2-Dibromoethane	11.82	107	81062	20.792	ug/l	100
64) Tetrachloroethene	11.28	164	93359	19.599	ug/l	96
65) Chlorobenzene	12.41	112	248003	19.655	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	116641	21.793	ug/l	97
67) Ethyl Benzene	12.54	91	459440	22.308	ug/l	98
68) m/p-Xylenes	12.69	106	305146	40.994	ug/l	99
69) o-Xylene	13.06	106	157799	23.169	ug/l	94
70) Styrene	13.08	104	263277	22.388	ug/l	96
71) Bromoform	13.25	173	69662	22.829	ug/l	97
73) Isopropylbenzene	13.42	105	394274	18.522	ug/l	99
74) N-amyl acetate	13.28	43	106879	19.496	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	81895	19.633	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	80578	19.885	ug/l	99
77) Bromobenzene	13.68	156	111183	18.208	ug/l	91
78) n-propylbenzene	13.79	91	508501	20.868	ug/l	98
79) 2-Chlorotoluene	13.85	91	287242	19.461	ug/l	94
80) 1,3,5-Trimethylbenzene	13.95	105	325109	19.154	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	23062	18.781	ug/l	94
82) 4-Chlorotoluene	13.96	91	316197	19.452	ug/l	89
83) tert-Butylbenzene	14.20	119	387920	19.729	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	332840	20.537	ug/l	100
85) sec-Butylbenzene	14.38	105	436081	20.526	ug/l	99
86) p-Isopropyltoluene	14.50	119	397121	20.886	ug/l	94
87) 1,3-Dichlorobenzene	14.47	146	216389	20.236	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	205287	20.528	ug/l	98
89) n-Butylbenzene	14.81	91	350386	20.526	ug/l	99
90) Hexachloroethane	15.02	117	103644	20.158	ug/l	94
91) 1,2-Dichlorobenzene	14.82	146	181332	20.557	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.40	75	11435	20.213	ug/l	94

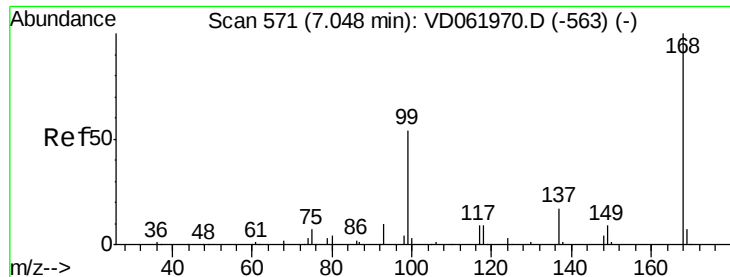
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	99258	20.855	ug/l	99
94) Hexachlorobutadiene	16.04	225	67697	19.221	ug/l	96
95) Naphthalene	16.13	128	143255	18.642	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	61480	22.767	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

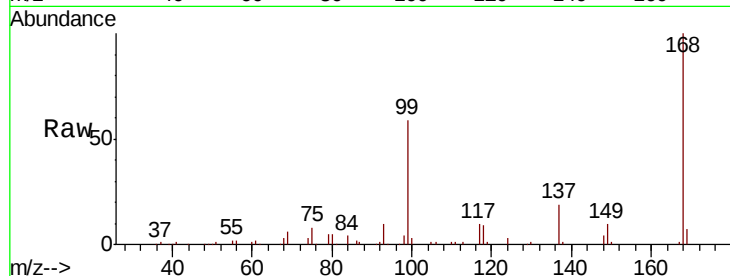
VD0426SBS01

Tot Ion:168 Resp: 526085

Ion Ratio Lower Upper

168 100

99 59.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

150000

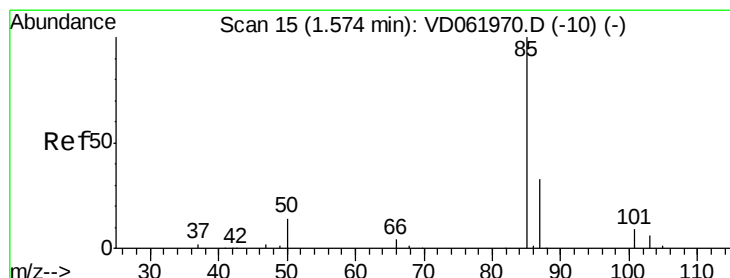
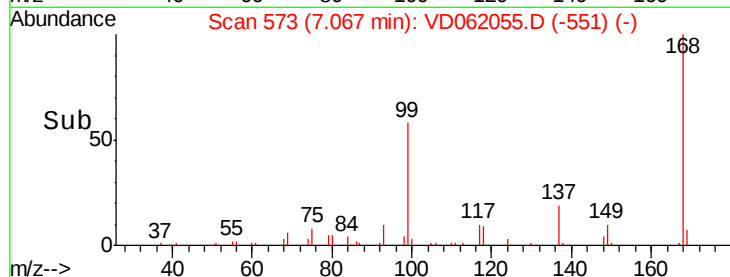
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.063 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062055.D

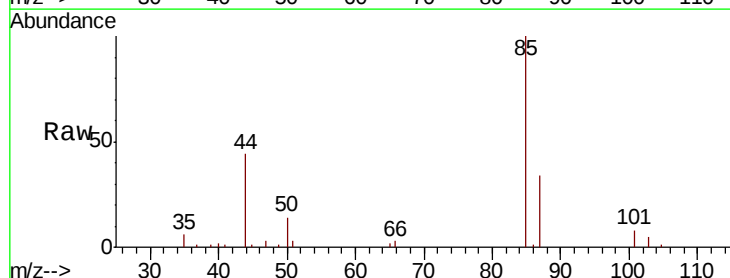
Acq: 26 Apr 2019 12:05

Tgt Ion: 85 Resp: 84850

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

40000

30000

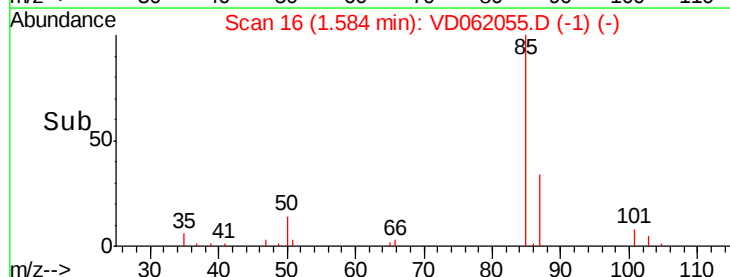
20000

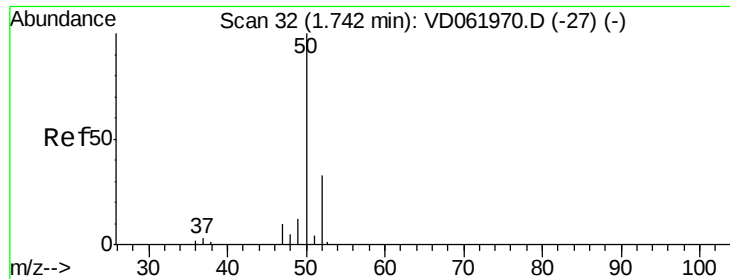
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 18.385 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

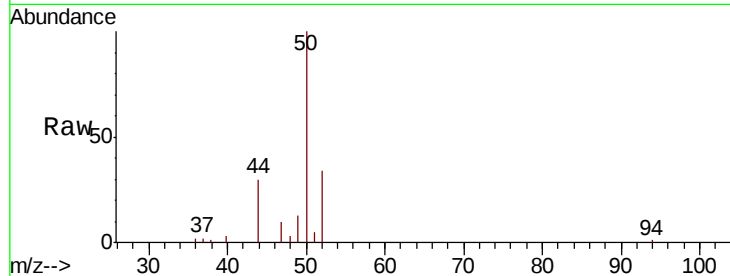
VD0426SBS01

Tot Ion: 50 Resp: 73402

Ion Ratio Lower Upper

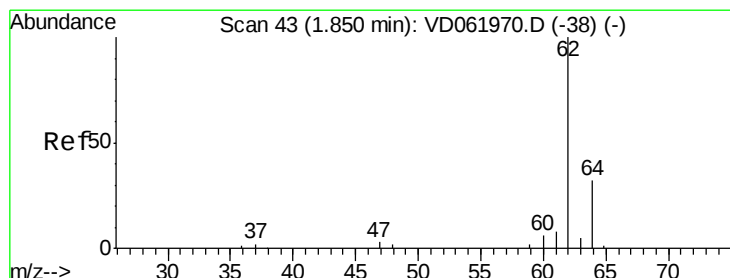
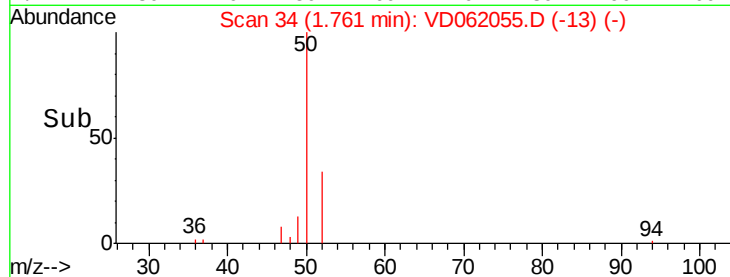
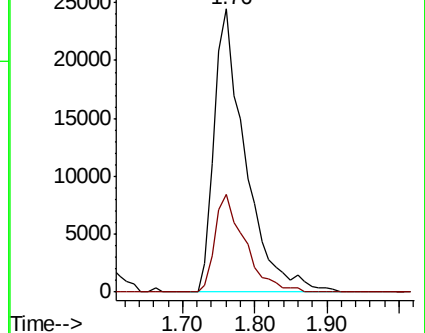
50 100

52 34.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.693 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD062055.D

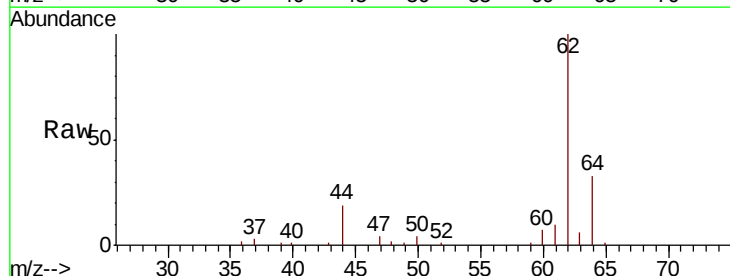
Acq: 26 Apr 2019 12:05

Tgt Ion: 62 Resp: 71263

Ion Ratio Lower Upper

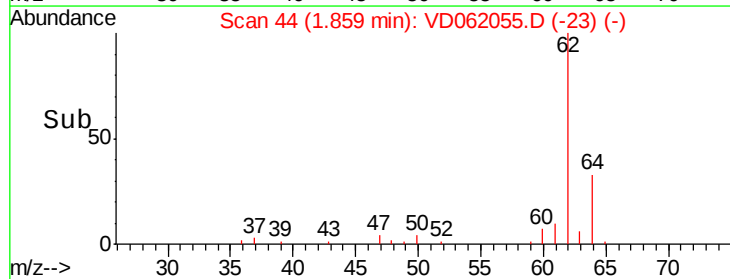
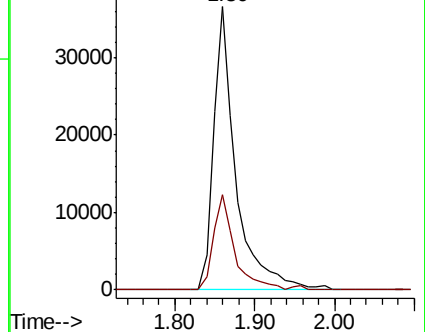
62 100

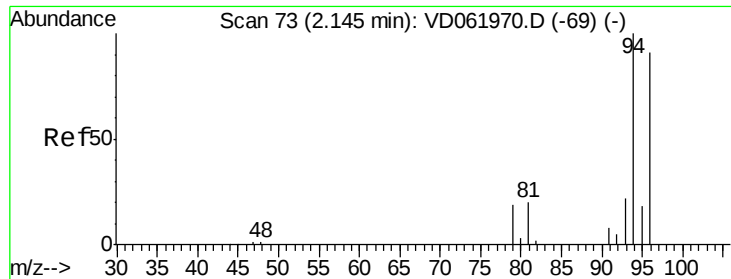
64 33.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.087 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

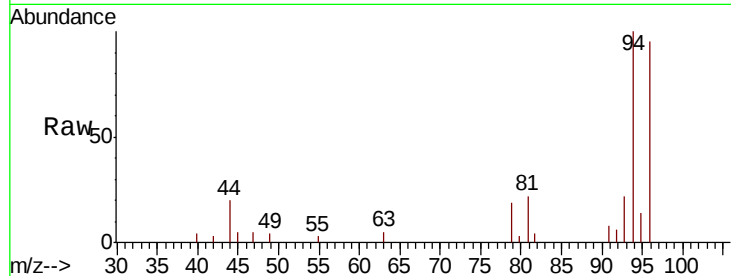
Tot Ion: 94 Resp: 20739

Ion Ratio Lower Upper

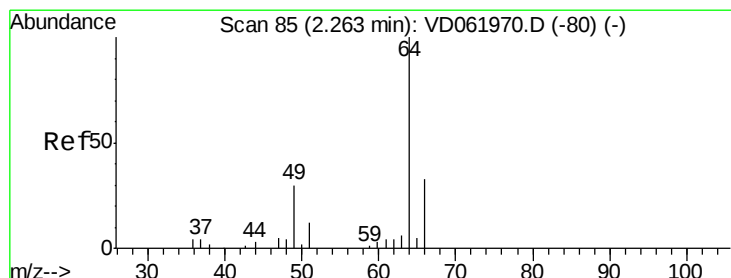
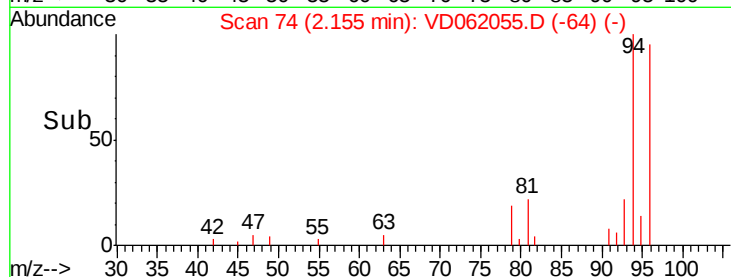
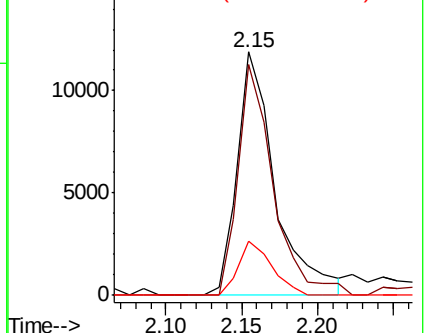
94 100

96 94.6 76.6 115.0

93 22.3 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: 20.904 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062055.D

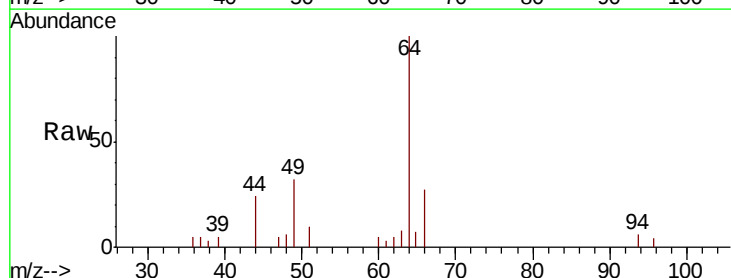
Acq: 26 Apr 2019 12:05

Tgt Ion: 64 Resp: 27344

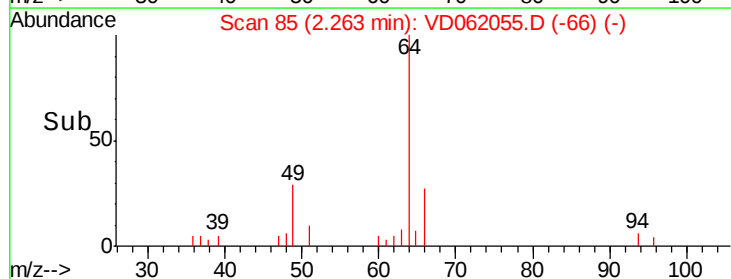
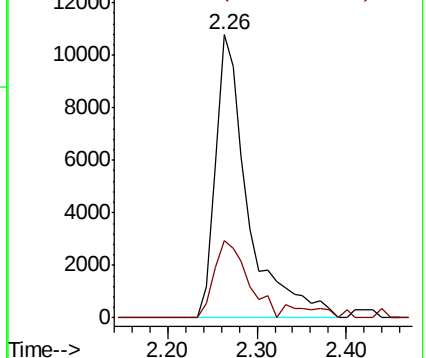
Ion Ratio Lower Upper

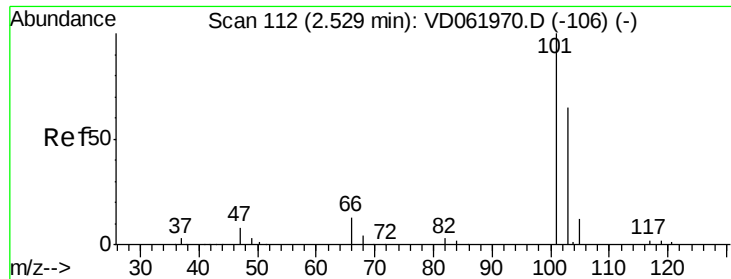
64 100

66 27.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



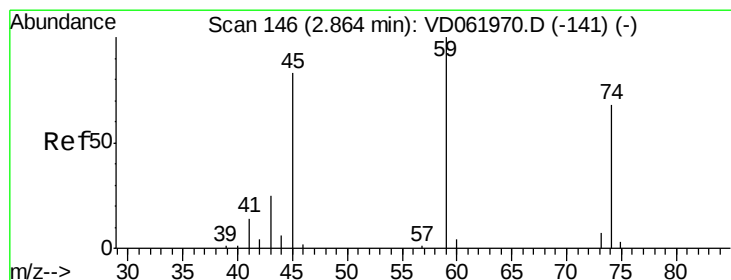
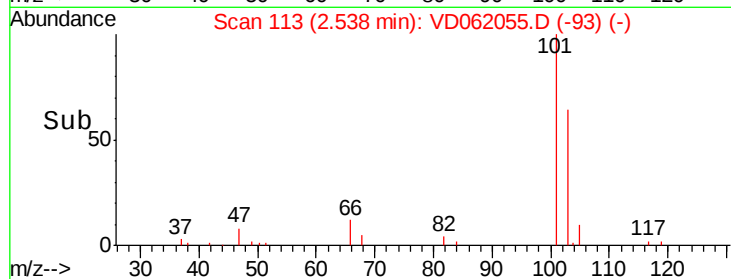
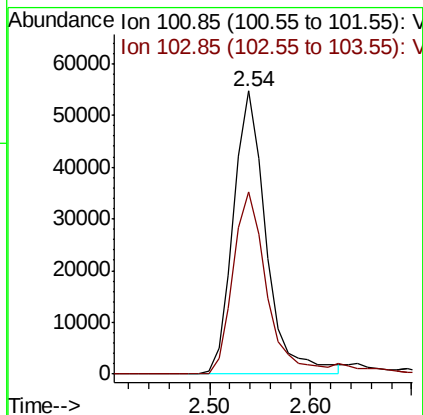
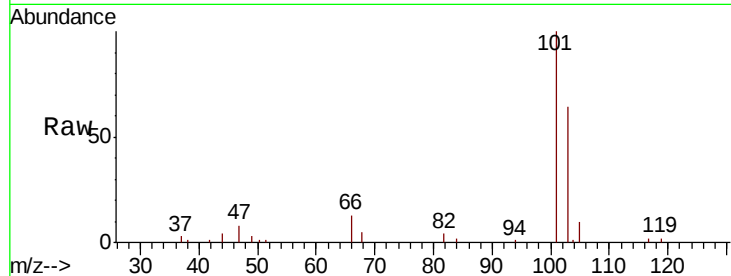


#7

Trichlorofluoromethane
 Concen: 22.607 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
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 VD0426SBS01

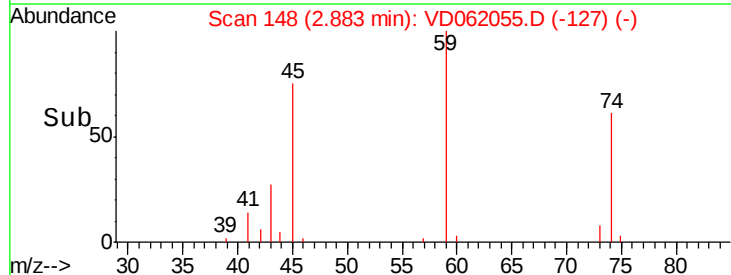
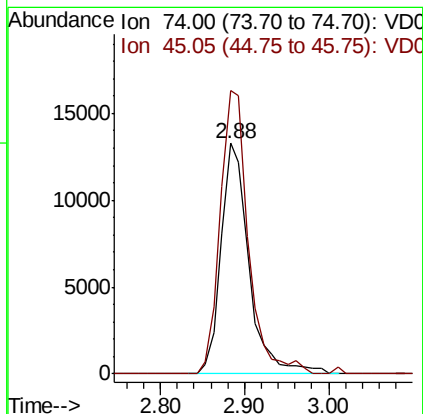
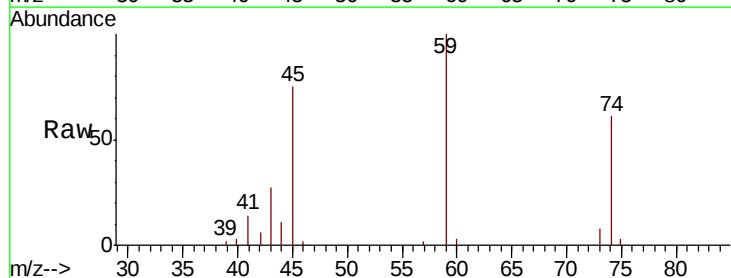
Tot Ion:101 Resp: 123694
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.6 80.4

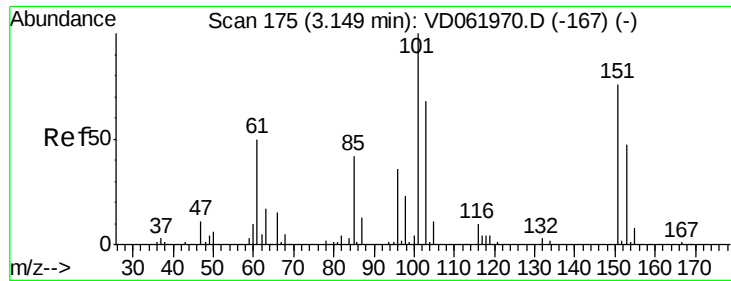


#8

Diethyl Ether
 Concen: 20.888 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 74 Resp: 30631
 Ion Ratio Lower Upper
 74 100
 45 122.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.085 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

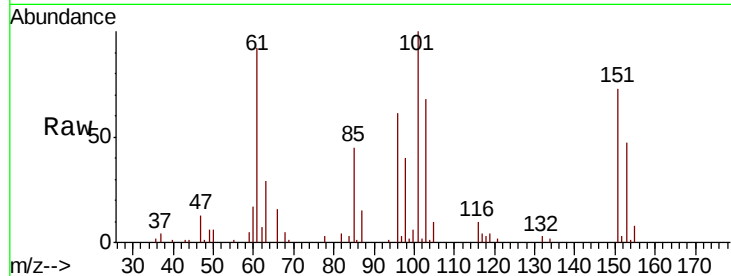
Tot Ion:101 Resp: 111313

Ion Ratio Lower Upper

101 100

85 44.6 32.4 48.6

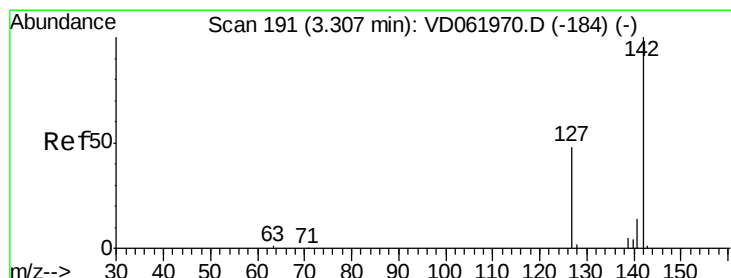
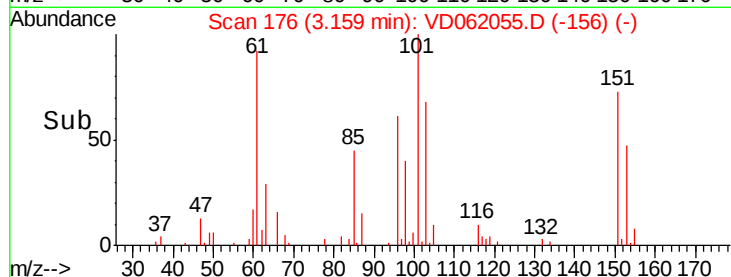
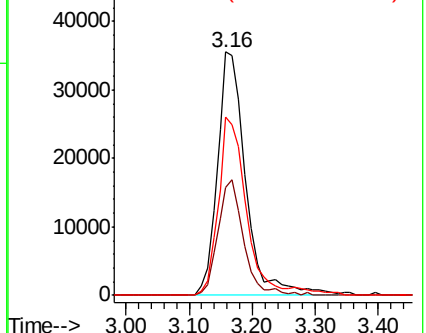
151 73.2 59.4 89.0



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: 18.945 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

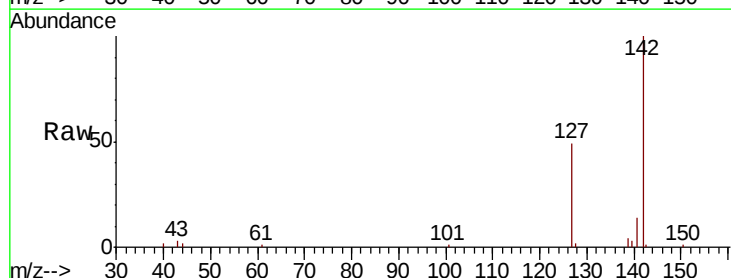
Tgt Ion:142 Resp: 116431

Ion Ratio Lower Upper

142 100

127 49.2 38.8 58.2

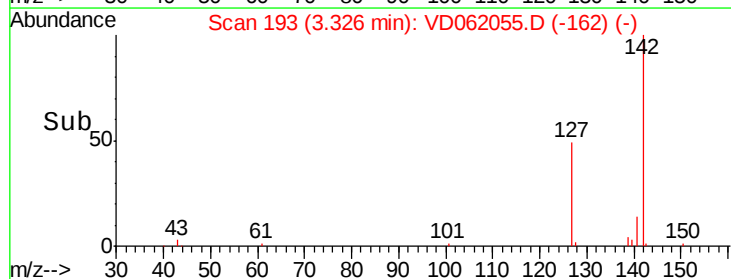
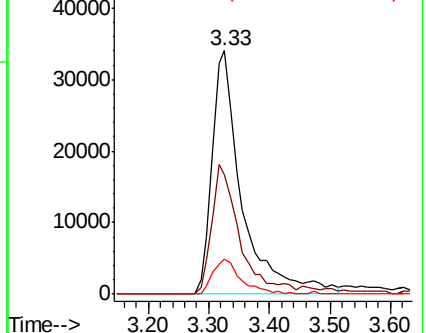
141 14.2 11.4 17.0

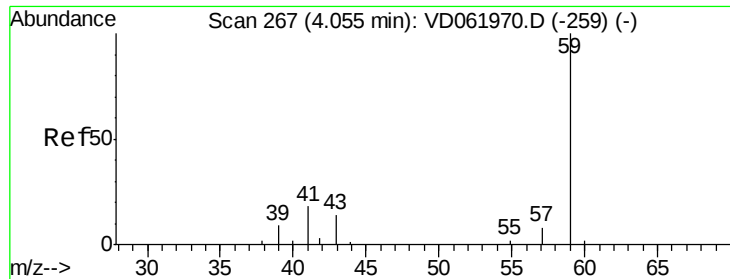


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

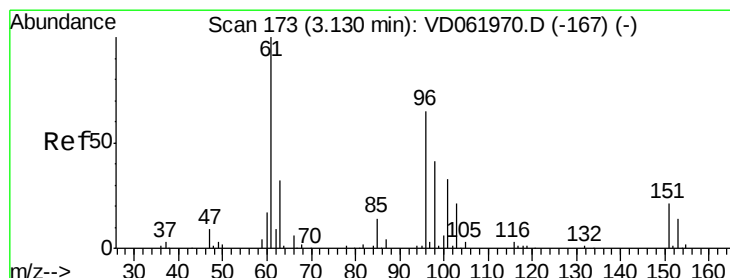
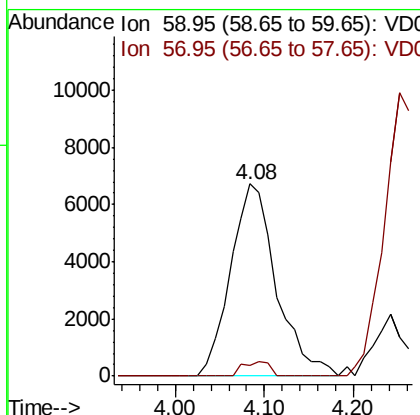
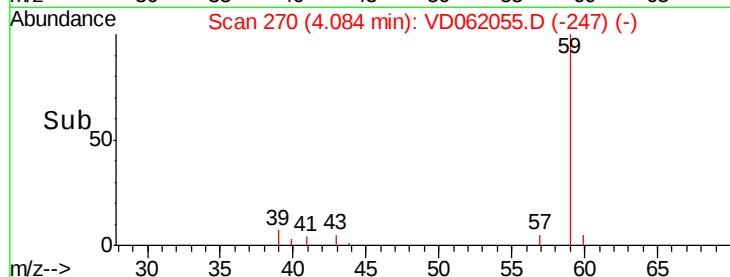
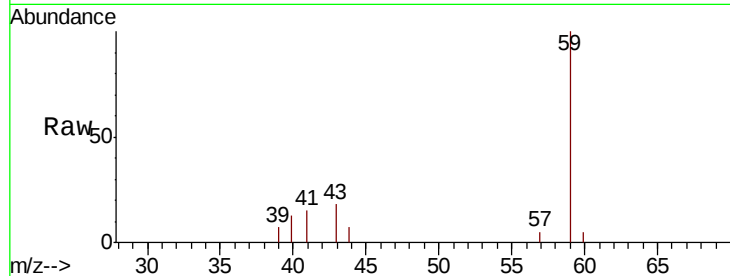




#11
Tert butyl alcohol
Concen: 103.337 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

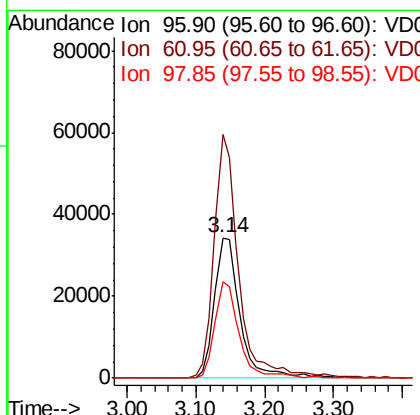
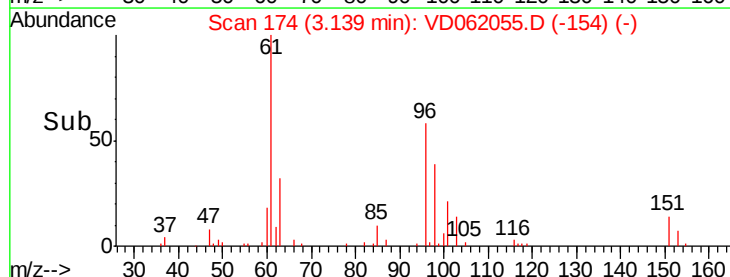
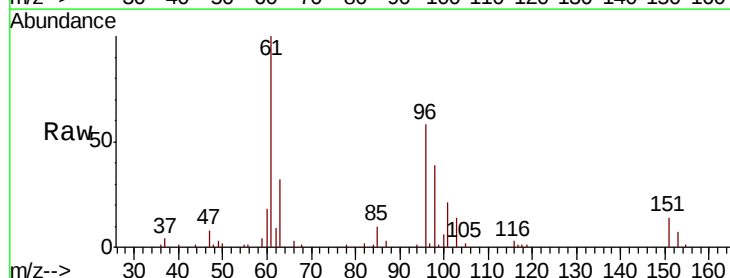
Instrument :
MSVOA_D
ClientSampleID :
VD0426SBS01

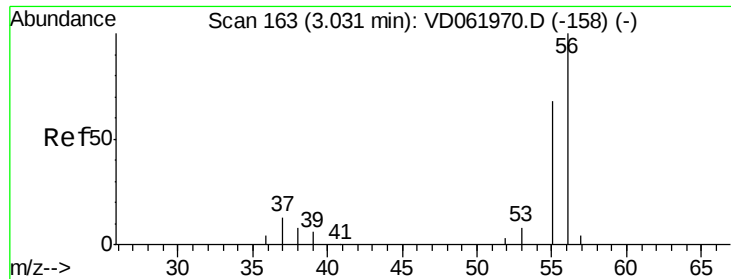
Tot Ion: 59 Resp: 24040
Ion Ratio Lower Upper
59 100
57 5.4 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 20.685 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 96 Resp: 88700
Ion Ratio Lower Upper
96 100
61 173.5 129.8 194.8
98 68.3 51.2 76.8





#13

Acrolein

Concen: 97.706 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

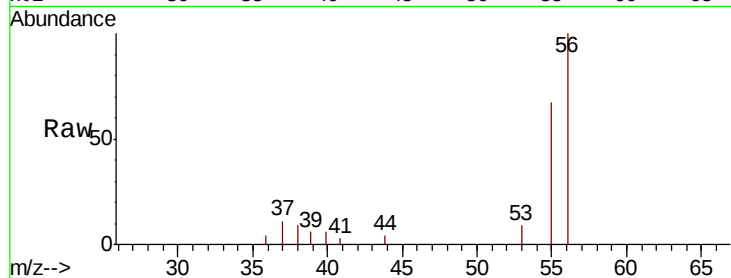
VD0426SBS01

Tot Ion: 56 Resp: 23584

Ion Ratio Lower Upper

56 100

55 66.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

2000

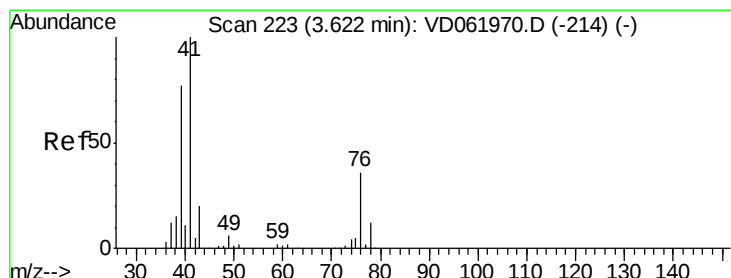
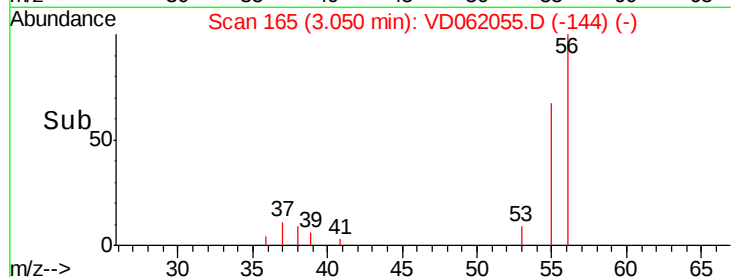
0

Time-->

3.00

3.10

3.20



#14

Allyl chloride

Concen: 20.461 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

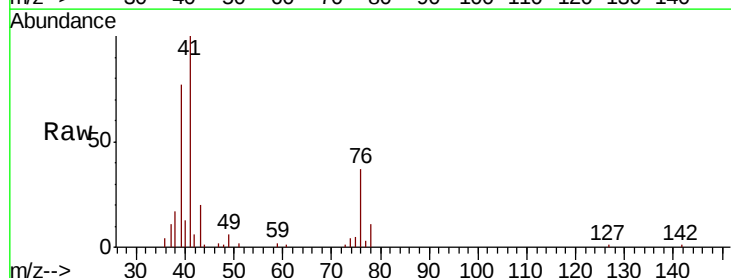
Tgt Ion: 41 Resp: 119810

Ion Ratio Lower Upper

41 100

39 77.1 60.5 90.7

76 36.9 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

50000

40000

30000

20000

10000

0

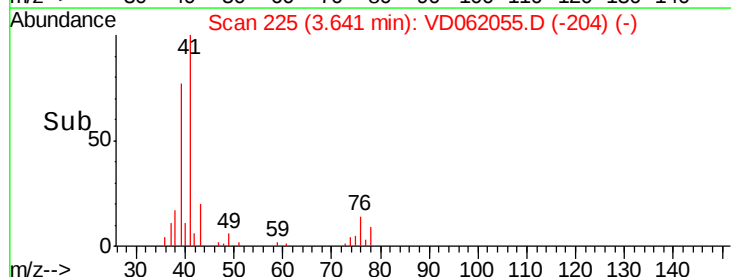
Time-->

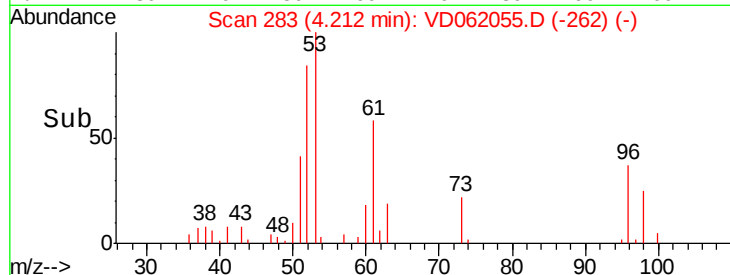
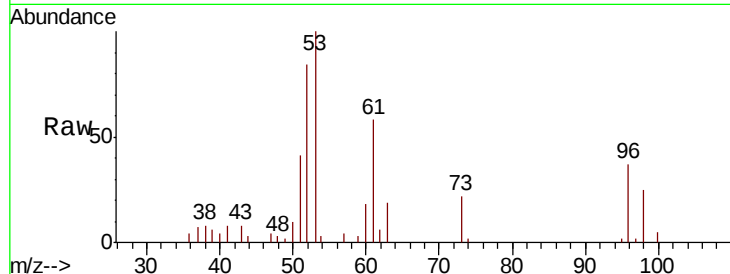
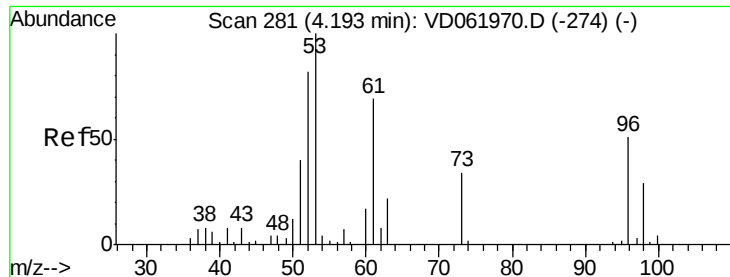
3.50

3.60

3.70

3.80

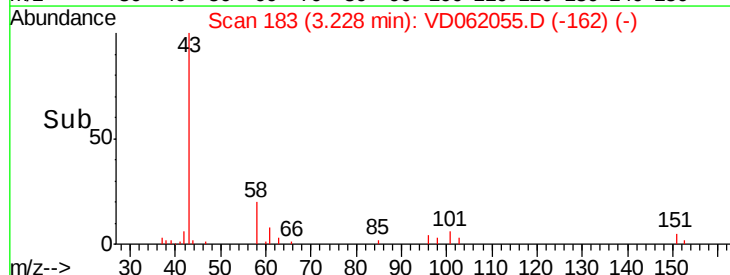
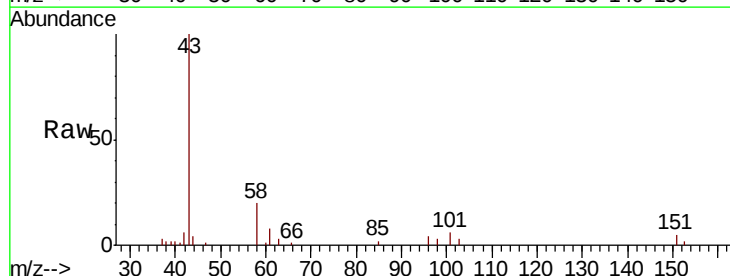
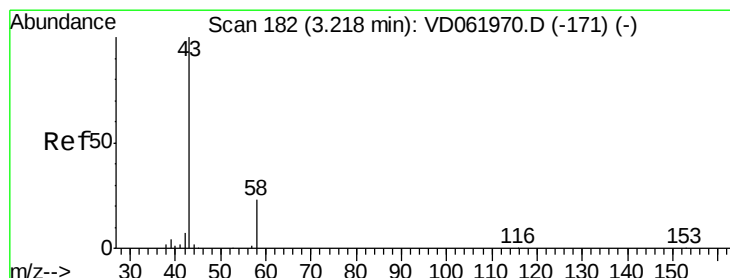
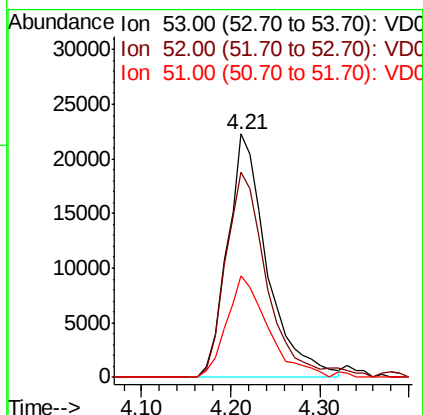




#15
Acrylonitrile
Concen: 95.799 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

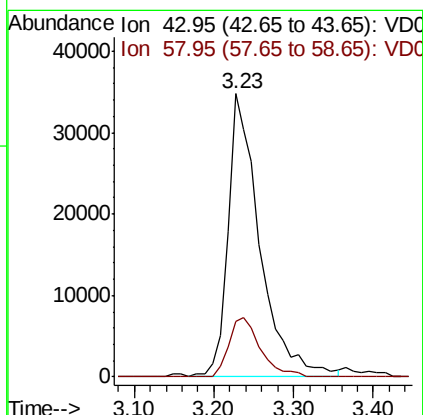
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

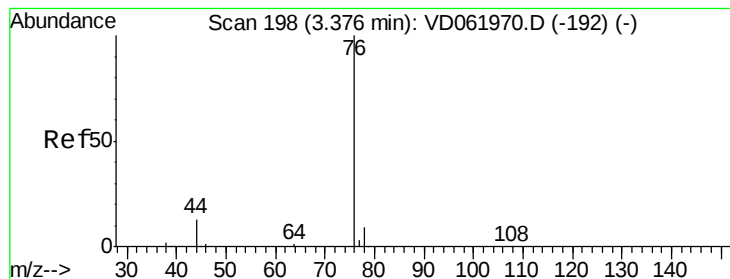
Tot Ion: 53 Resp: 69011
Ion Ratio Lower Upper
53 100
52 84.4 65.0 97.4
51 41.5 32.6 48.8



#16
Acetone
Concen: 98.534 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 43 Resp: 96871
Ion Ratio Lower Upper
43 100
58 19.5 19.9 29.9#





#17

Carbon Disulfide

Concen: 19.693 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

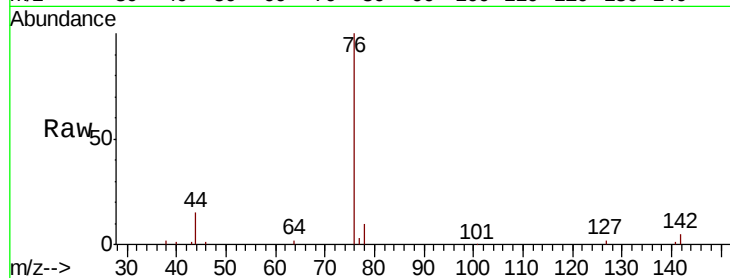
VD0426SBS01

Tot Ion: 76 Resp: 244023

Ion Ratio Lower Upper

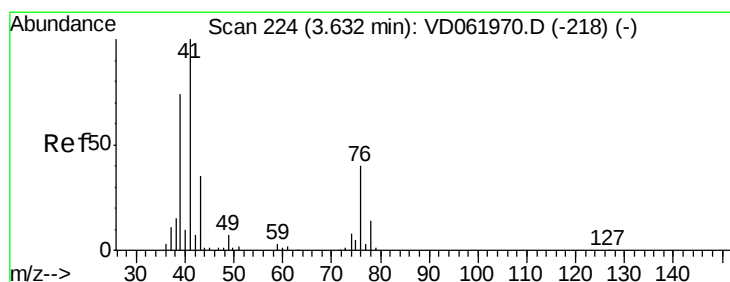
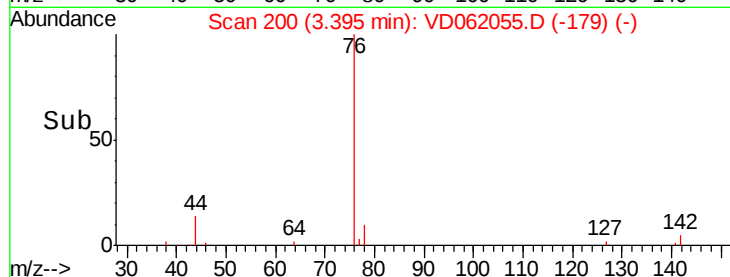
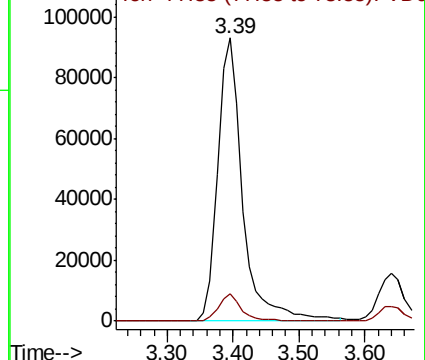
76 100

78 9.6 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.343 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062055.D

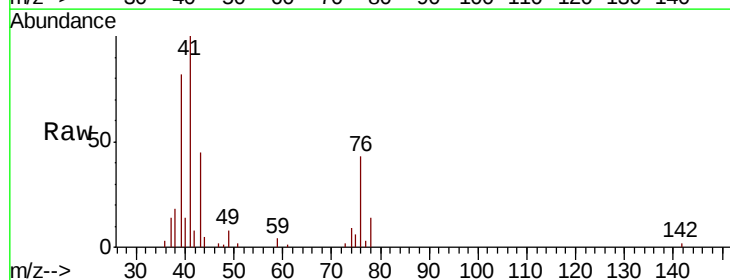
Acq: 26 Apr 2019 12:05

Tgt Ion: 43 Resp: 41969

Ion Ratio Lower Upper

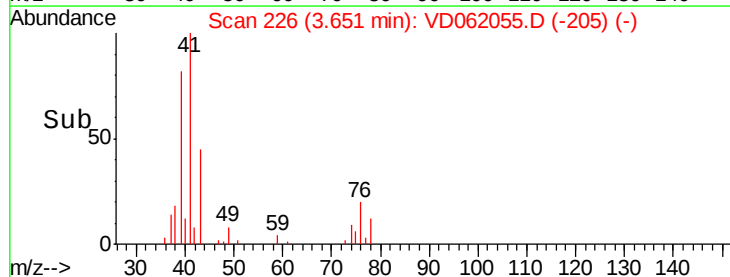
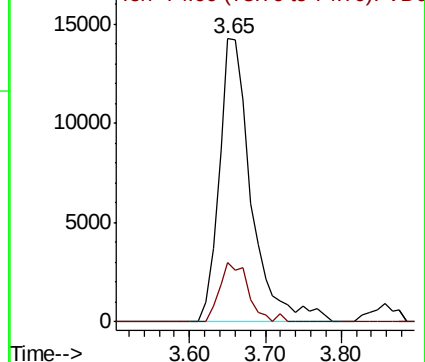
43 100

74 20.8 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



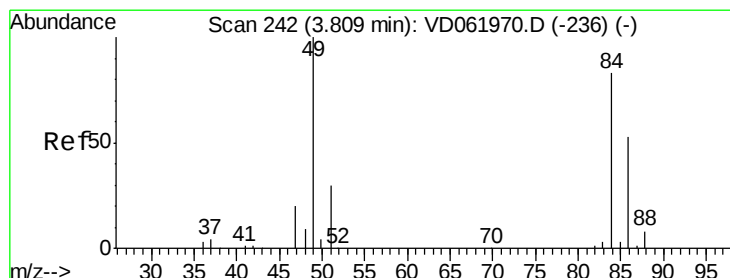
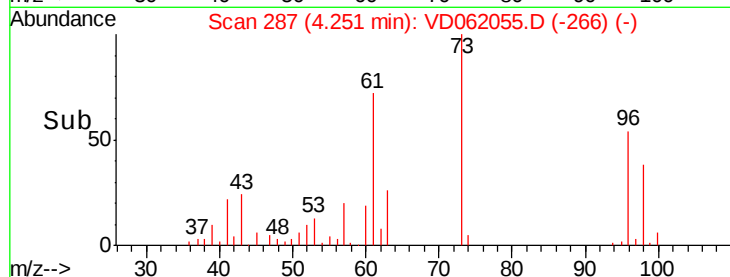
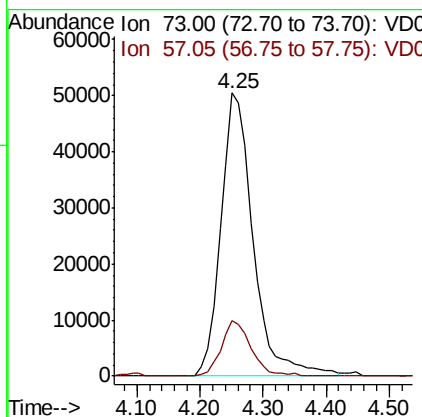
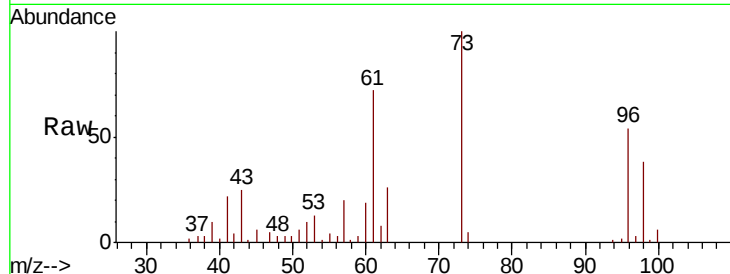


#19

Methyl tert-butyl Ether
 Concen: 20.994 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

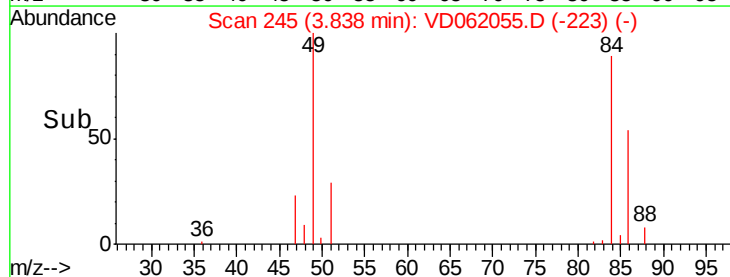
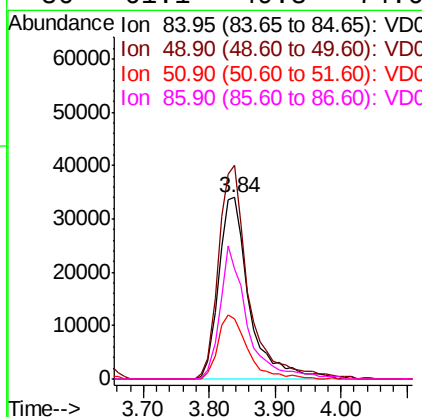
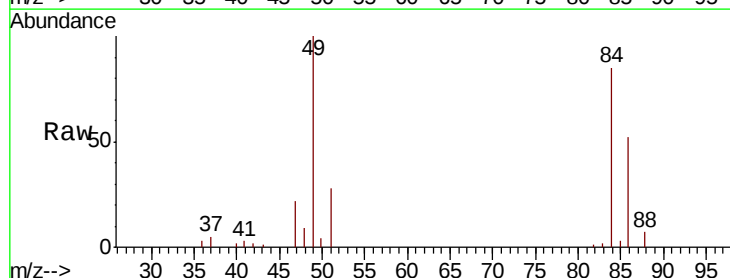
Tot Ion: 73 Resp: 178622
 Ion Ratio Lower Upper
 73 100
 57 19.6 16.3 24.5

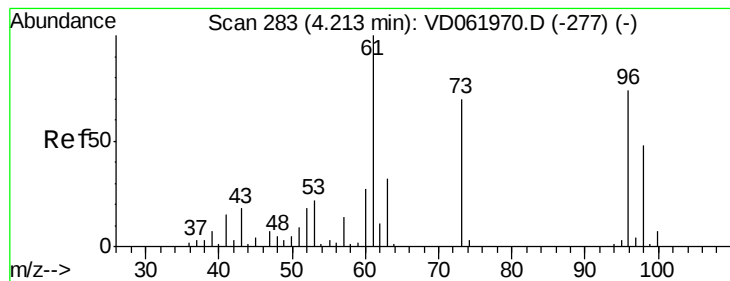


#20

Methylene Chloride
 Concen: 21.147 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 84 Resp: 110018
 Ion Ratio Lower Upper
 84 100
 49 117.8 94.0 141.0
 51 32.9 29.0 43.4
 86 61.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.961 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

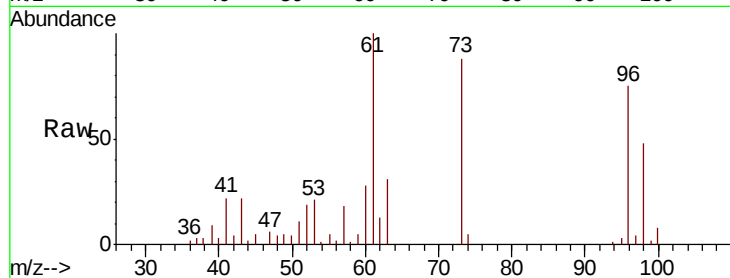
Tot Ion: 96 Resp: 93274

Ion Ratio Lower Upper

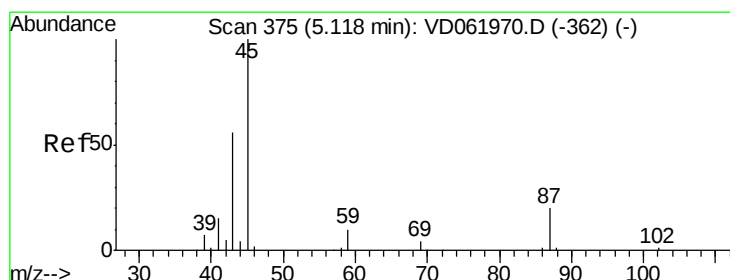
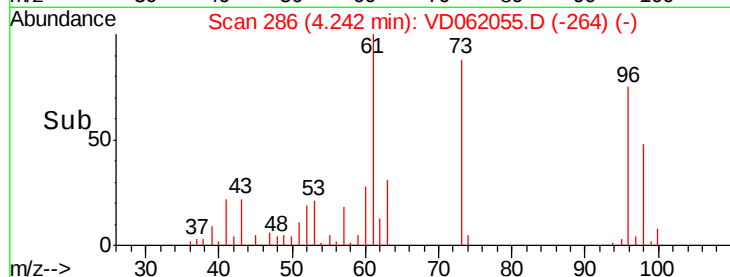
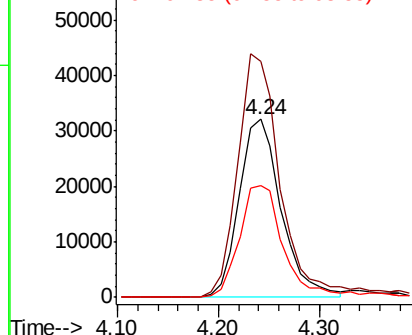
96 100

61 132.5 104.4 156.6

98 63.0 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: 19.013 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Tgt Ion: 45 Resp: 259925

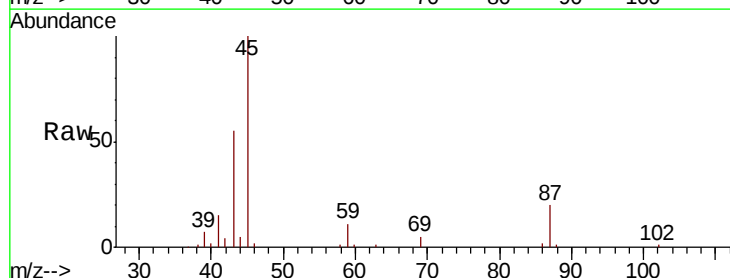
Ion Ratio Lower Upper

45 100

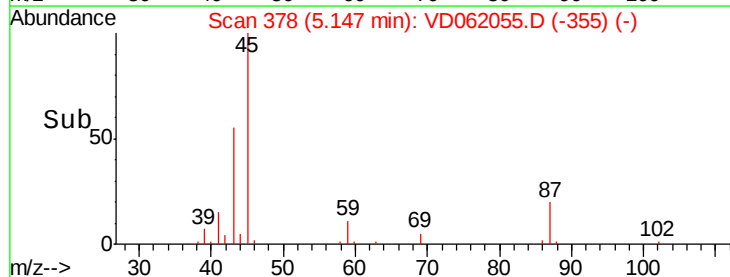
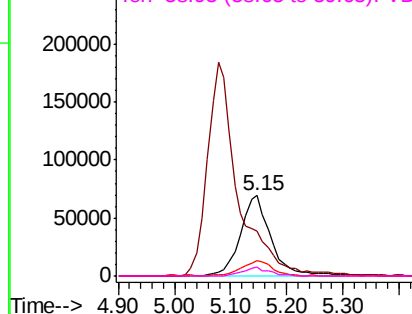
43 55.3 46.2 69.2

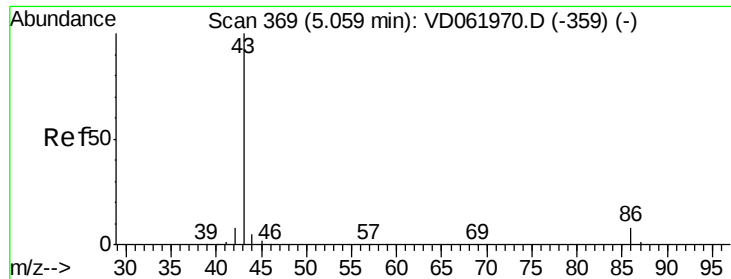
87 19.8 15.9 23.9

59 10.7 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: 97.272 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

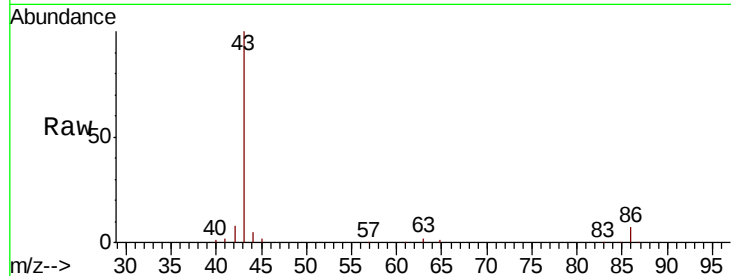
VD0426SBS01

Tot Ion: 43 Resp: 692511

Ion Ratio Lower Upper

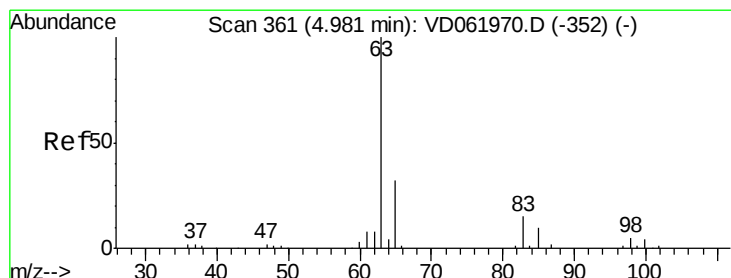
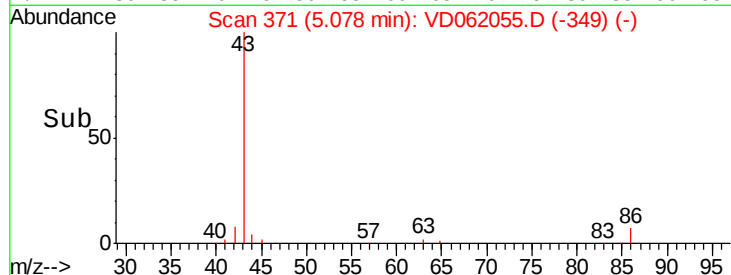
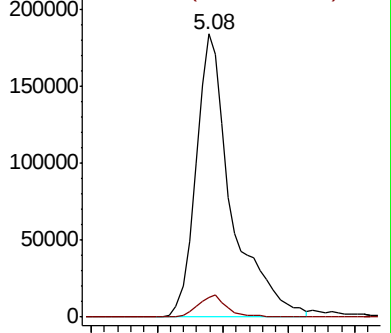
43 100

86 7.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.449 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

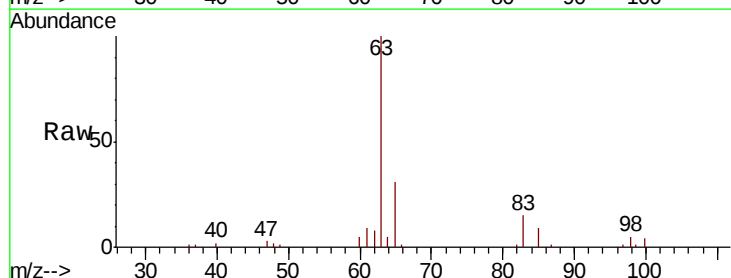
Tgt Ion: 63 Resp: 168968

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

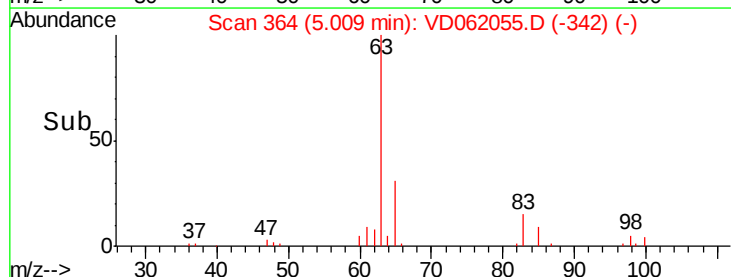
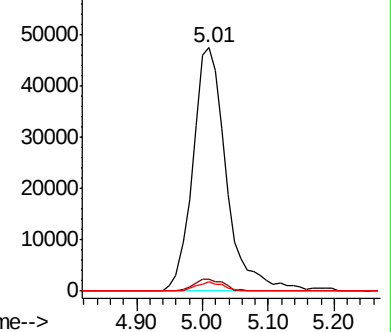
100 3.8 1.8 5.5

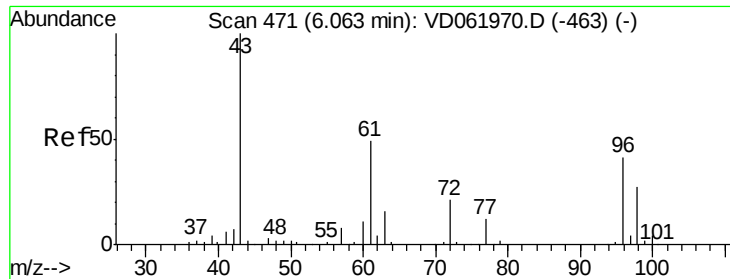


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 91.432 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

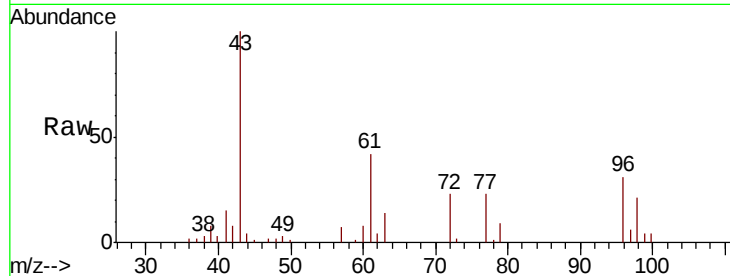
VD0426SBS01

Tot Ion: 43 Resp: 108983

Ion Ratio Lower Upper

43 100

72 22.7 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.09

40000

30000

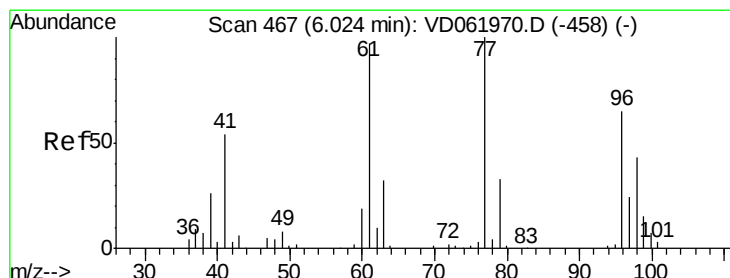
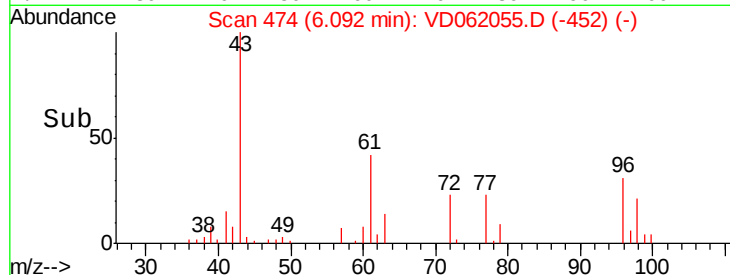
20000

10000

0

Time-->

6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 21.223 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD062055.D

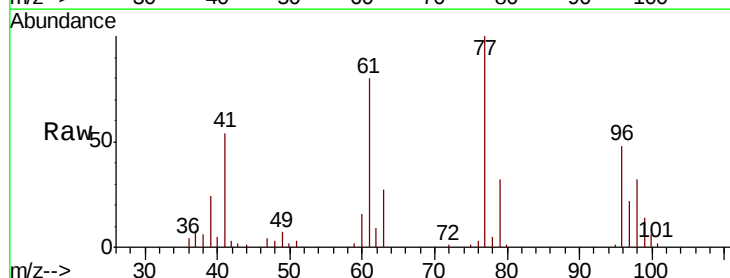
Acq: 26 Apr 2019 12:05

Tgt Ion: 77 Resp: 152982

Ion Ratio Lower Upper

77 100

97 22.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

50000

40000

30000

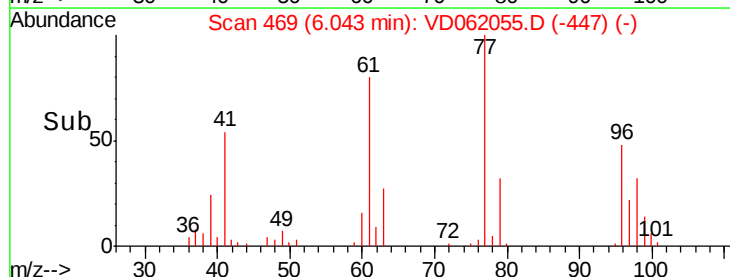
20000

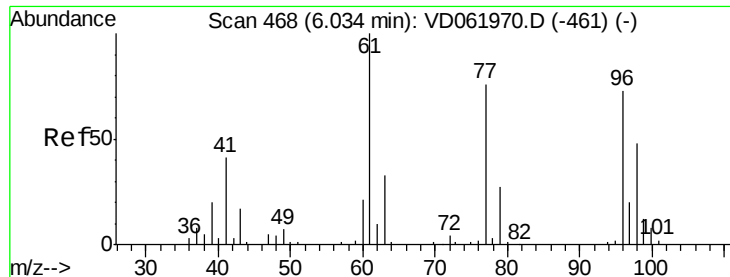
10000

0

Time-->

5.90 6.00 6.10 6.20



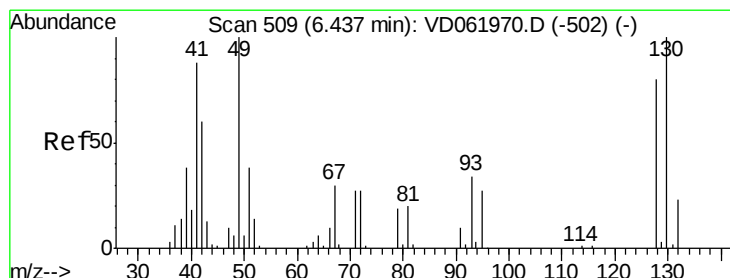
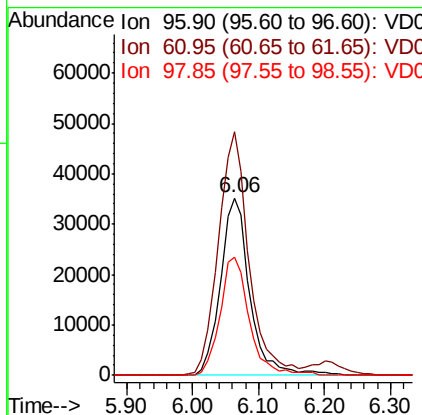
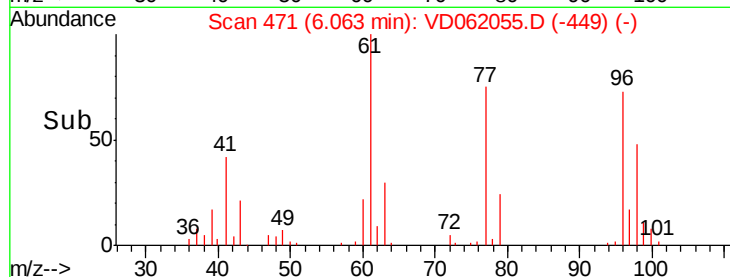
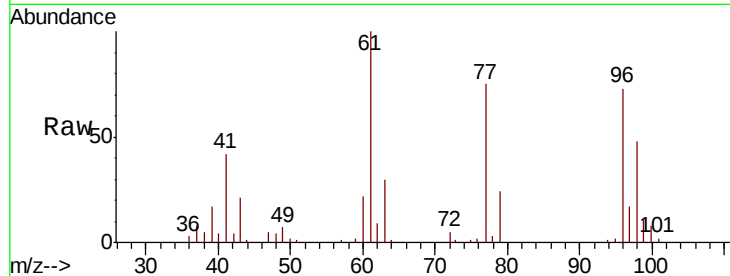


#27

cis-1,2-Dichloroethene
Concen: 19.480 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

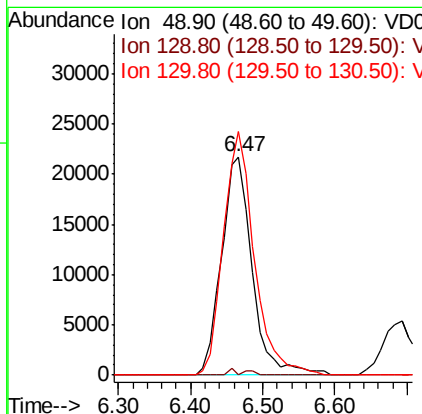
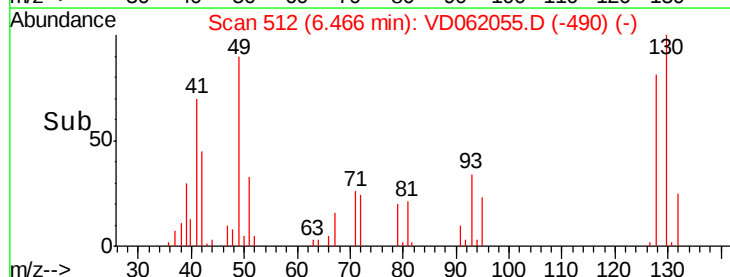
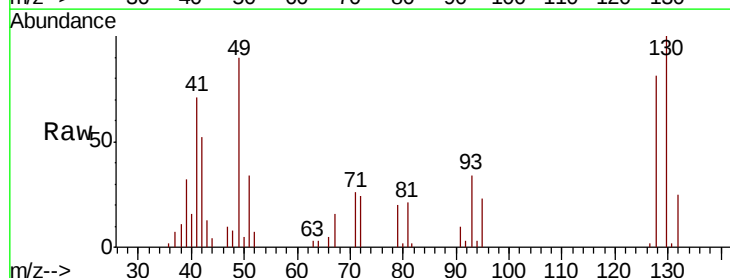
Tot Ion: 96 Resp: 109015
Ion Ratio Lower Upper
96 100
61 137.4 0.0 279.8
98 66.5 0.0 136.0



#28

Bromochloromethane
Concen: 20.214 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 49 Resp: 63907
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 111.4 86.7 130.1





#29

Tetrahydrofuran

Concen: 93.881 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

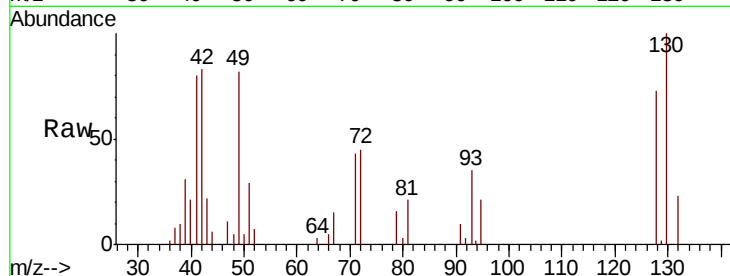
Tot Ion: 42 Resp: 55137

Ion Ratio Lower Upper

42 100

72 48.3 37.8 56.6

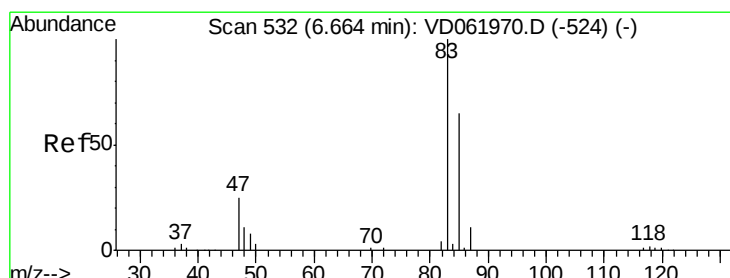
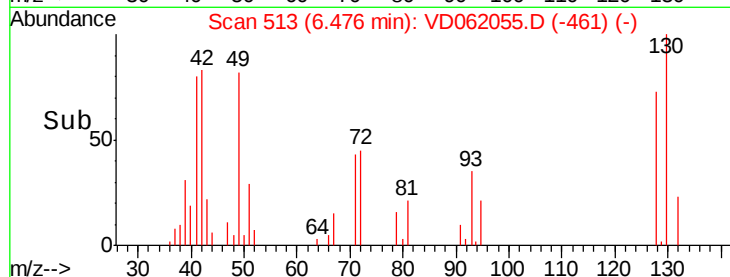
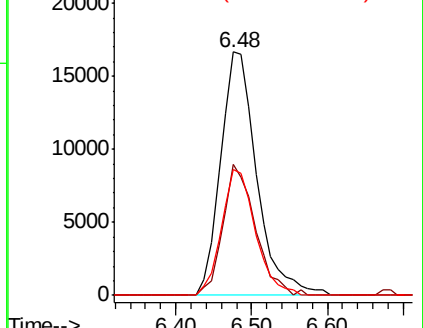
71 48.6 36.7 55.1



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: 21.086 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD062055.D

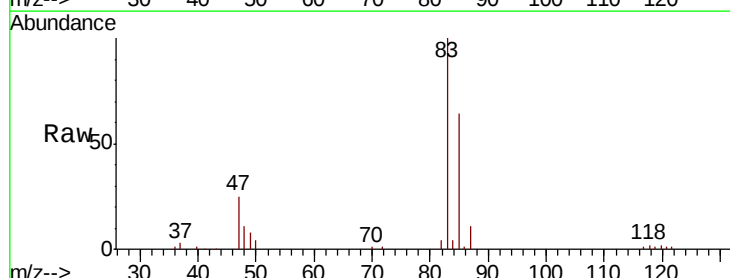
Acq: 26 Apr 2019 12:05

Tgt Ion: 83 Resp: 197898

Ion Ratio Lower Upper

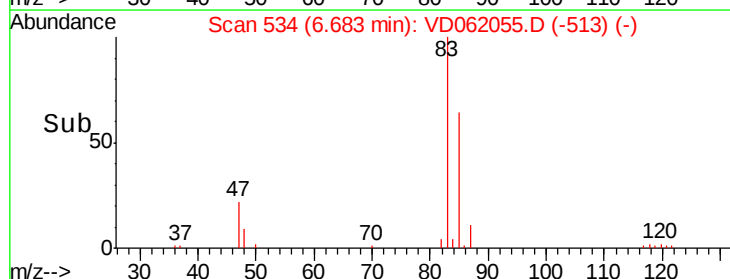
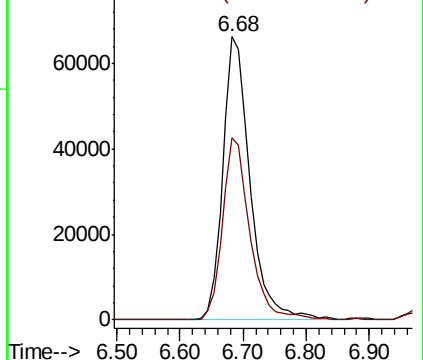
83 100

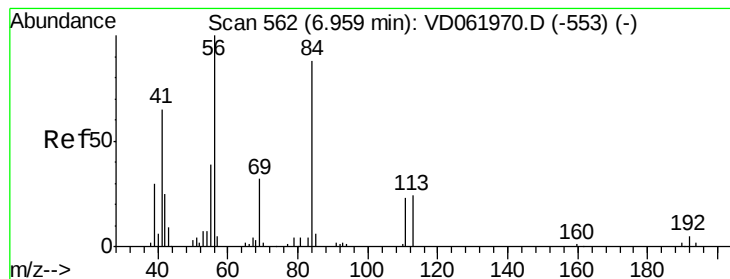
85 64.2 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.258 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.02 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

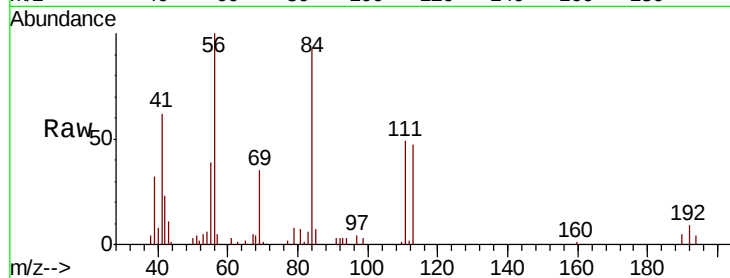
Tot Ion: 56 Resp: 111977

Ion Ratio Lower Upper

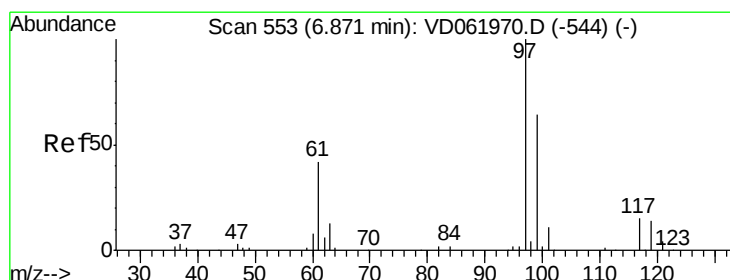
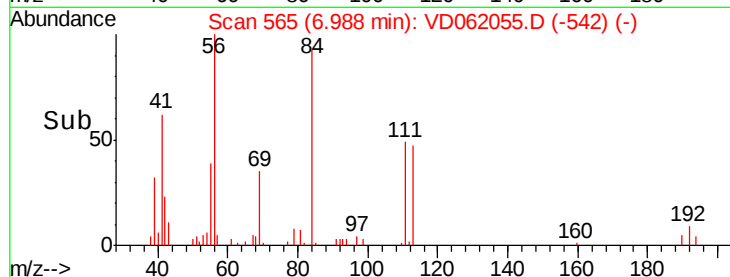
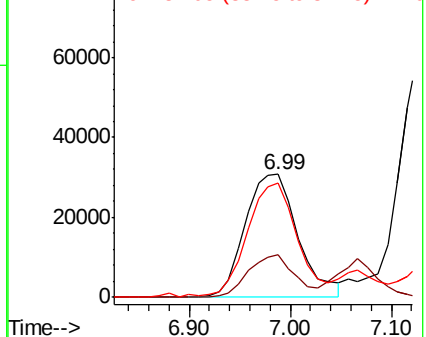
56 100

69 34.6 25.8 38.6

84 93.4 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: 20.686 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

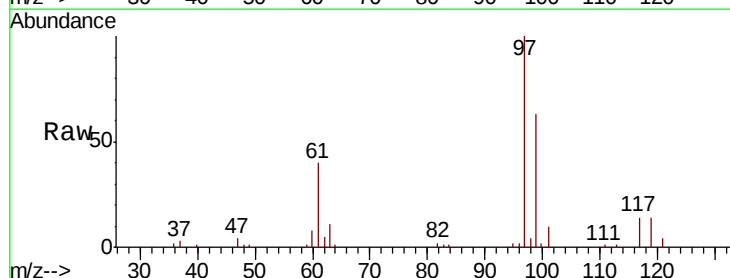
Tgt Ion: 97 Resp: 168917

Ion Ratio Lower Upper

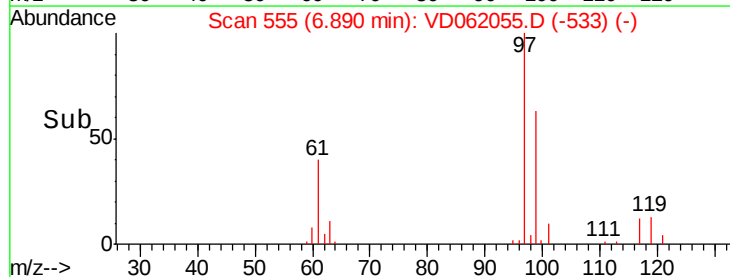
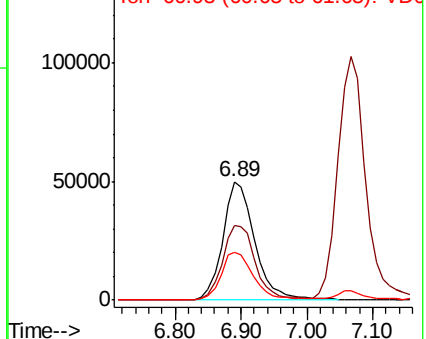
97 100

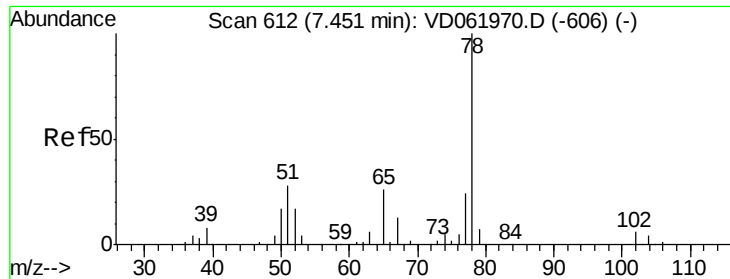
99 63.4 52.2 78.2

61 39.9 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

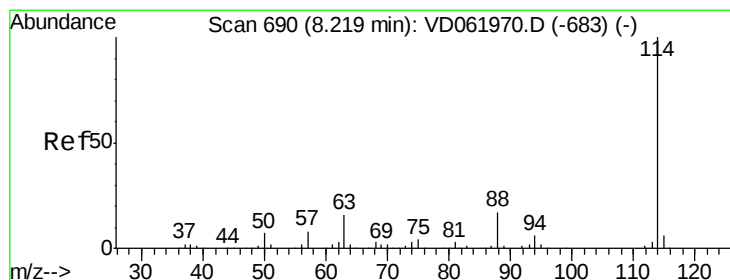
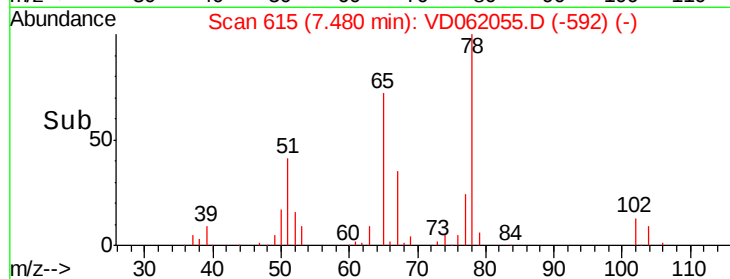
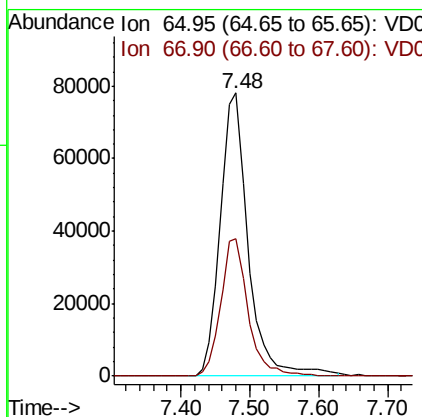
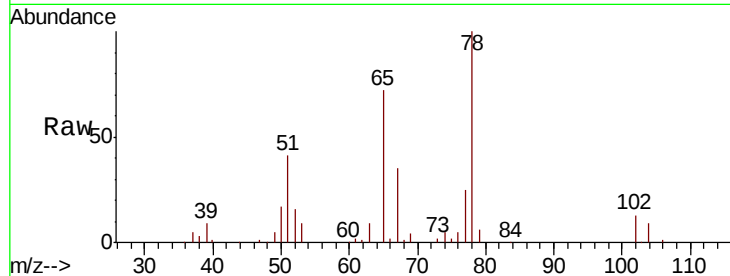




#33
 1,2-Dichloroethane-d4
 Concen: 53.428 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

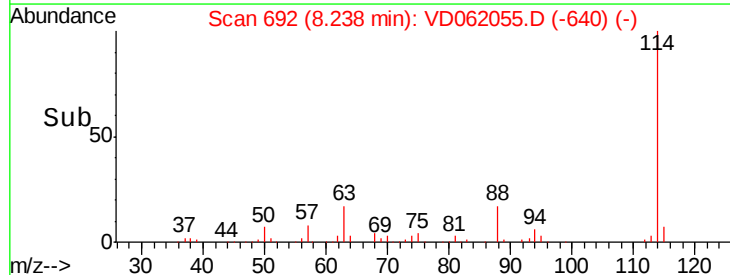
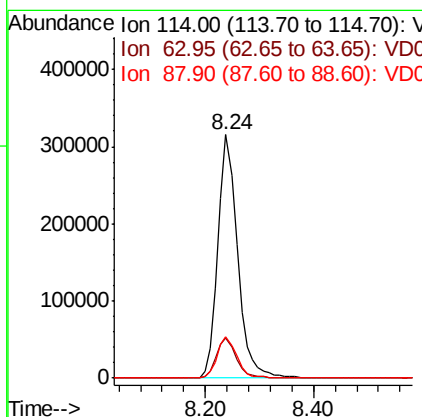
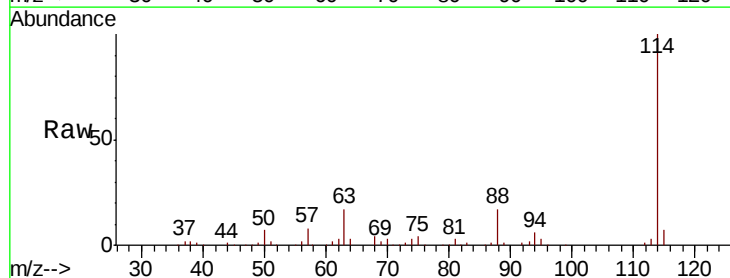
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

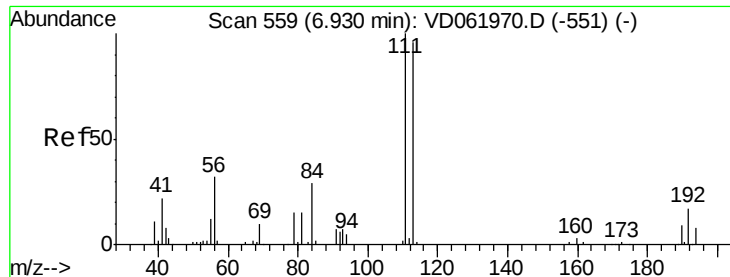
Tot Ion: 65 Resp: 219986
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 114 Resp: 796020
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.4
 88 17.1 0.0 33.6

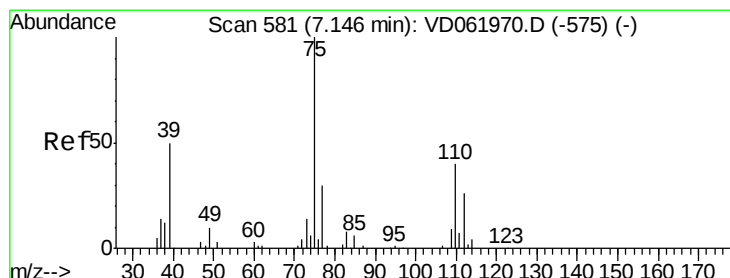
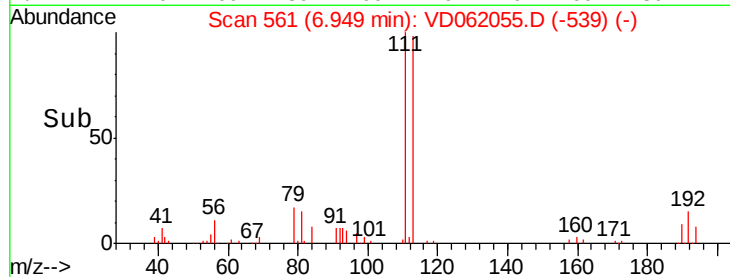
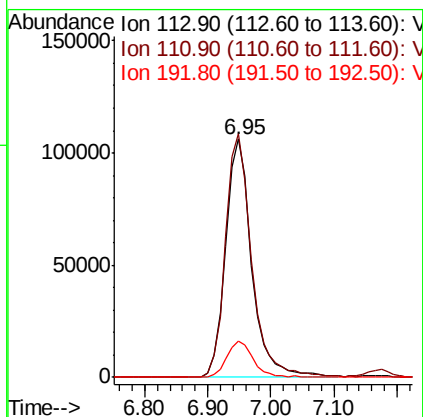
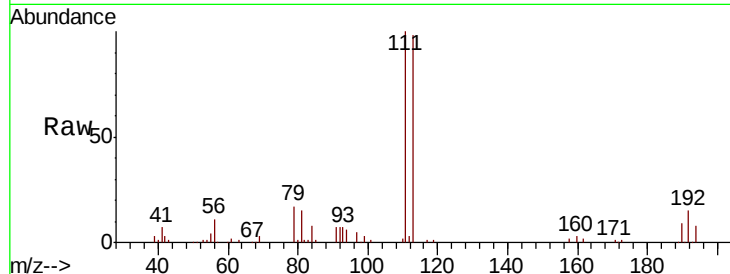




#35
 Dibromofluoromethane
 Concen: 55.388 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

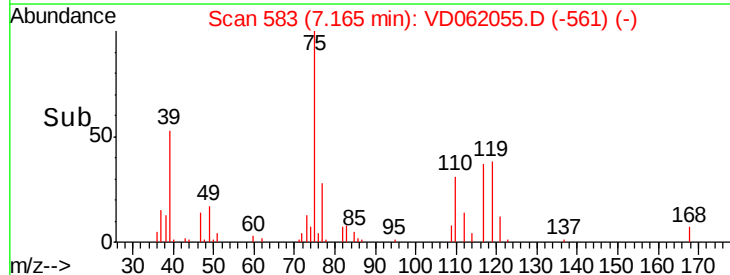
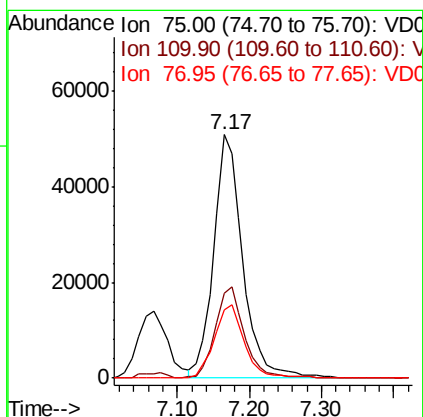
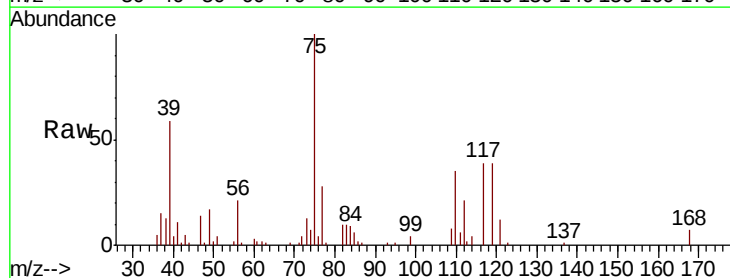
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

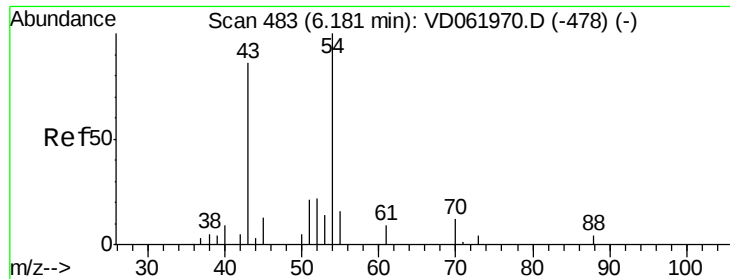
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	78.5	117.7
192	15.0	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 22.768 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	19.1	57.1
77	27.8	25.6	38.4

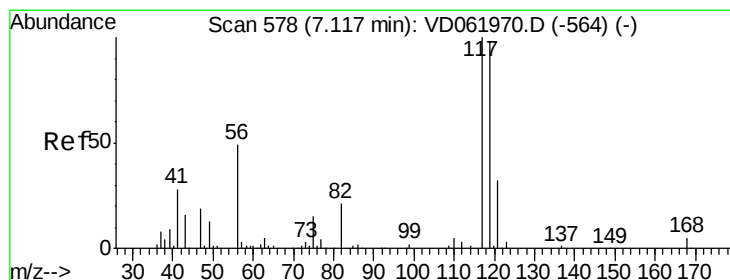
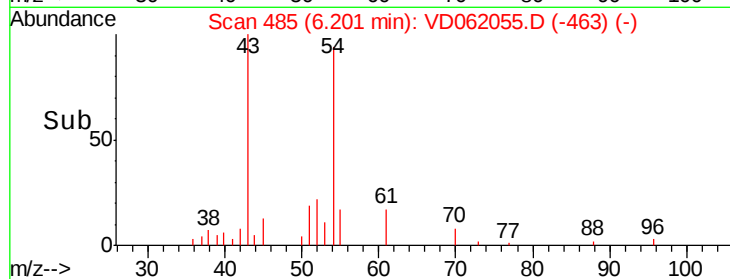
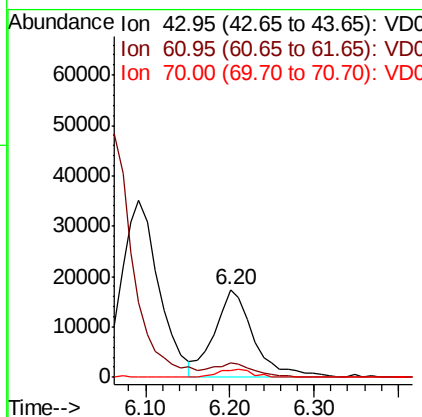
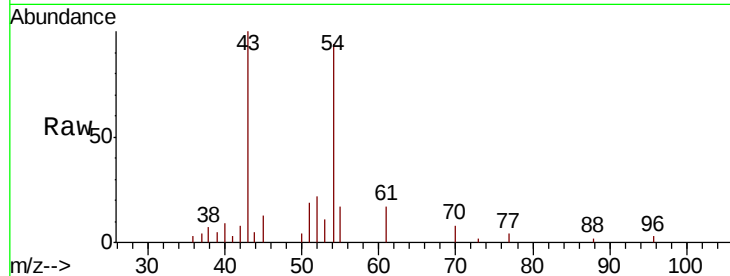




#37
Ethyl Acetate
Concen: 21.352 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

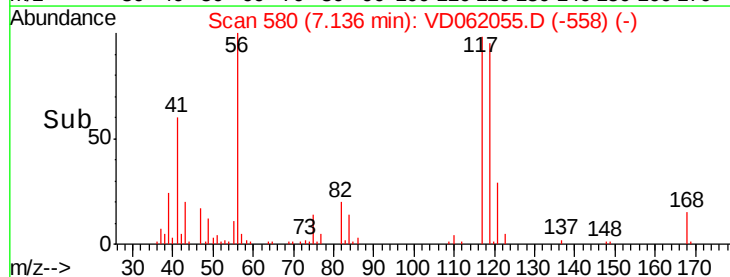
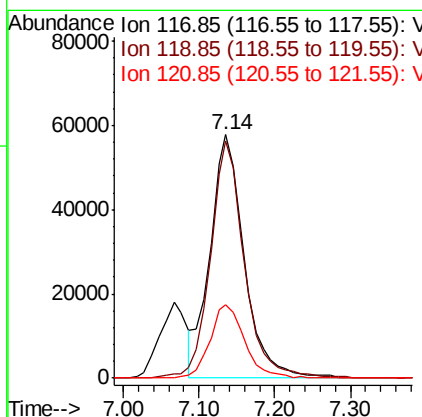
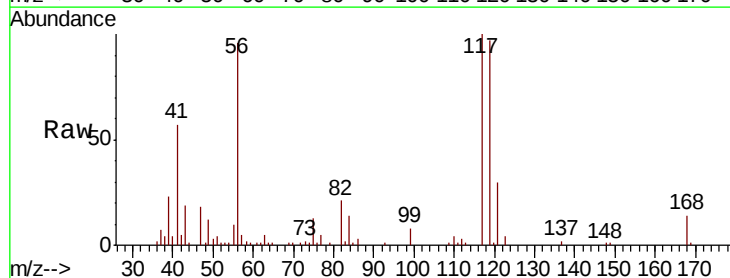
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

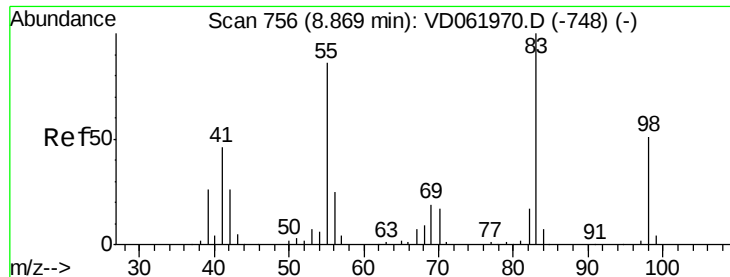
Tot Ion: 43 Resp: 56429
Ion Ratio Lower Upper
43 100
61 16.9 14.7 22.1
70 8.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 23.188 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 117 Resp: 182233
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.8
121 30.2 25.9 38.9

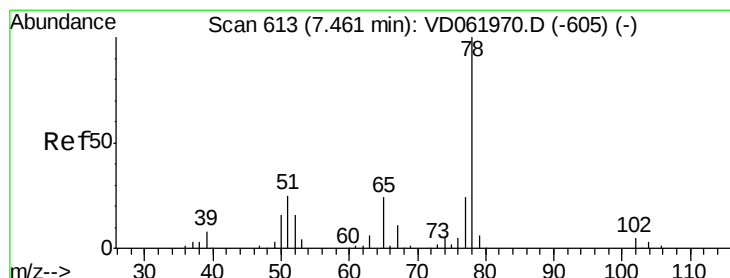
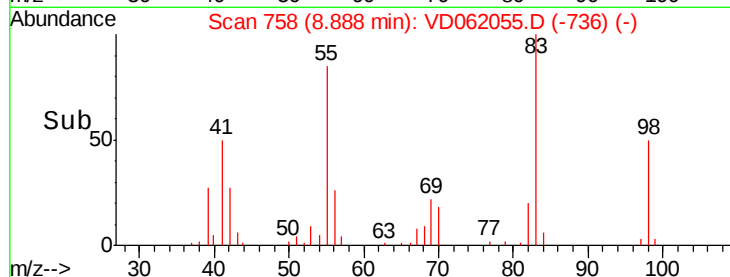
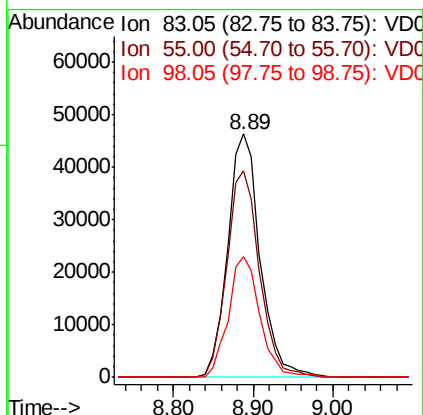
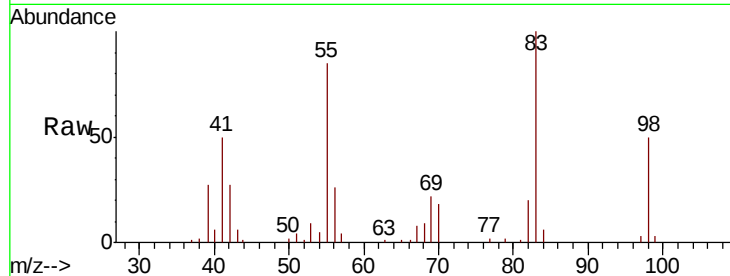




#39
Methvlcvclohexane
Concen: 21.504 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

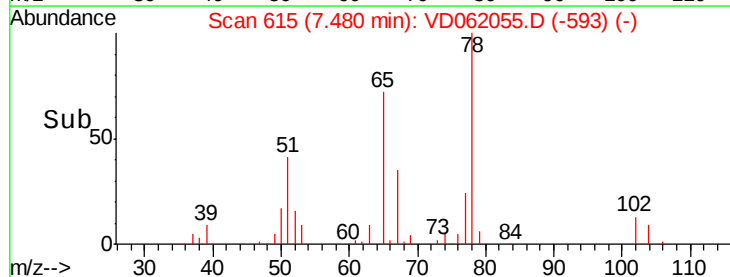
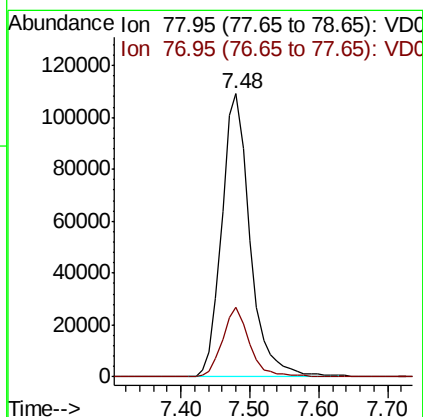
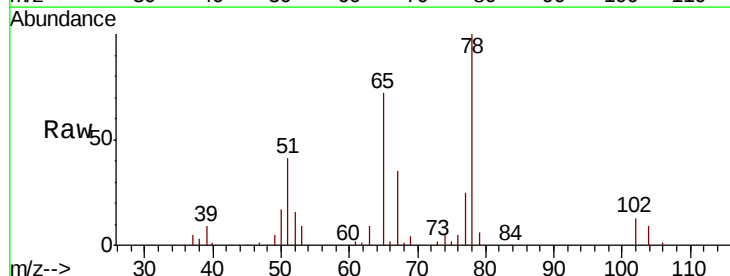
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

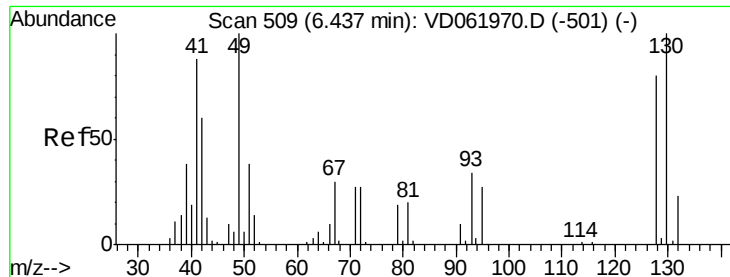
Tot Ion: 83 Resp: 131584
Ion Ratio Lower Upper
83 100
55 84.8 68.2 102.4
98 49.8 38.2 57.4



#40
Benzene
Concen: 20.291 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 78 Resp: 311550
Ion Ratio Lower Upper
78 100
77 24.5 19.7 29.5

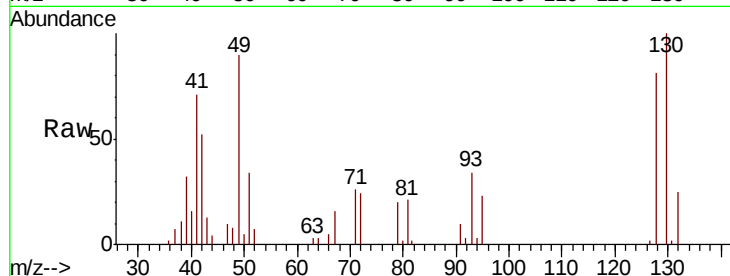




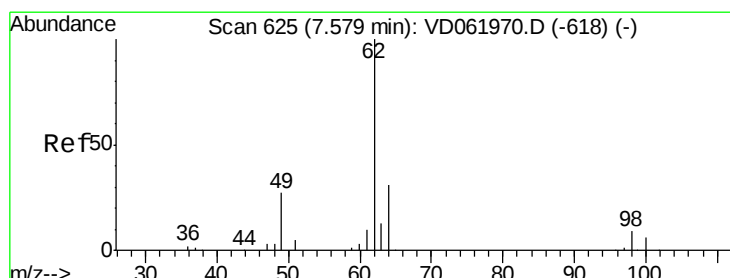
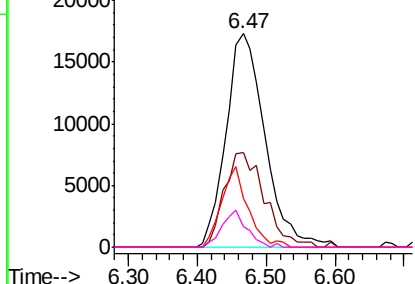
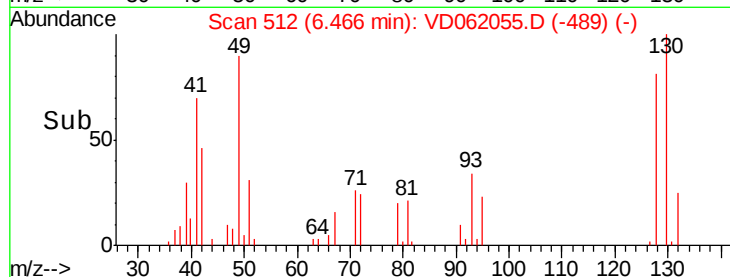
#41
Methacrylonitrile
Concen: 22.077 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion: 41 Resp: 68077
Ion Ratio Lower Upper
41 100
39 44.2 34.1 51.1
67 22.9 23.8 35.6#
52 9.6 8.8 13.2

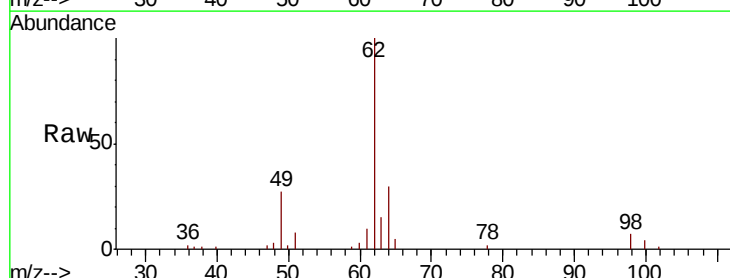


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

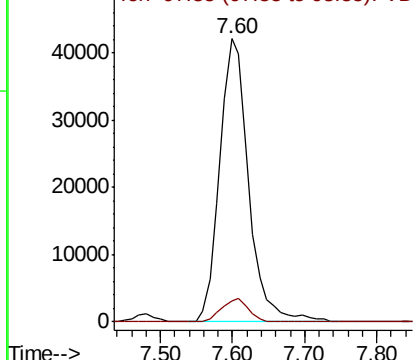
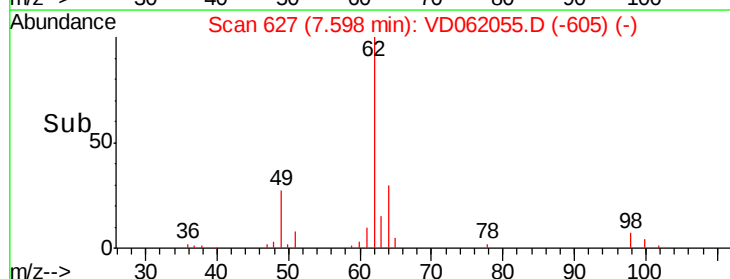


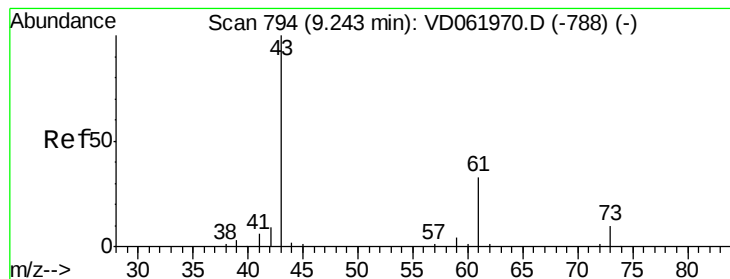
#42
1,2-Dichloroethane
Concen: 22.341 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 62 Resp: 116469
Ion Ratio Lower Upper
62 100
98 7.5 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.212 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

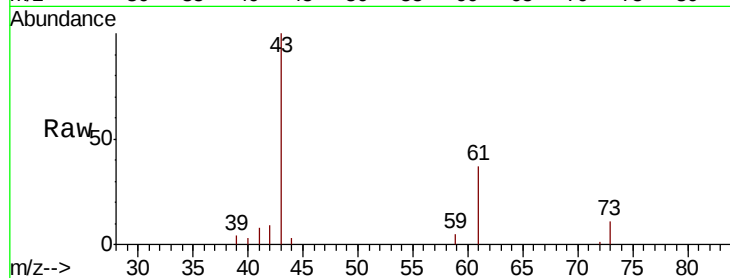
Tot Ion: 43 Resp: 74186

Ion Ratio Lower Upper

43 100

61 37.1 25.1 37.7

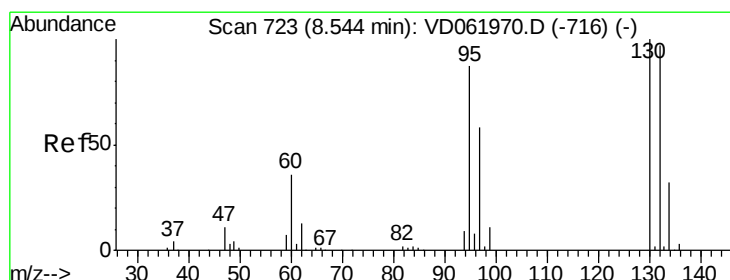
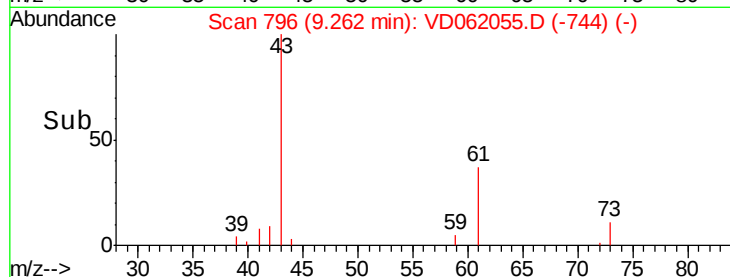
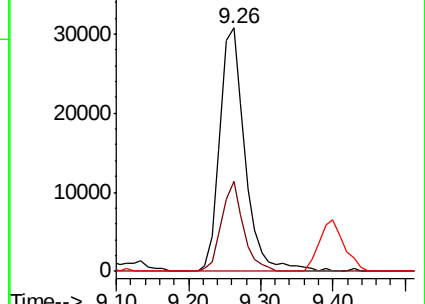
87 0.0 0.0 0.0



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: 20.687 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD062055.D

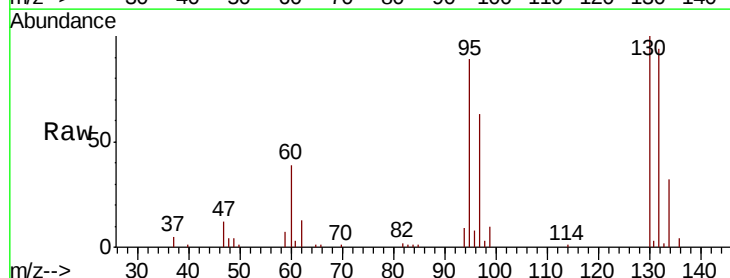
Acq: 26 Apr 2019 12:05

Tgt Ion: 130 Resp: 123136

Ion Ratio Lower Upper

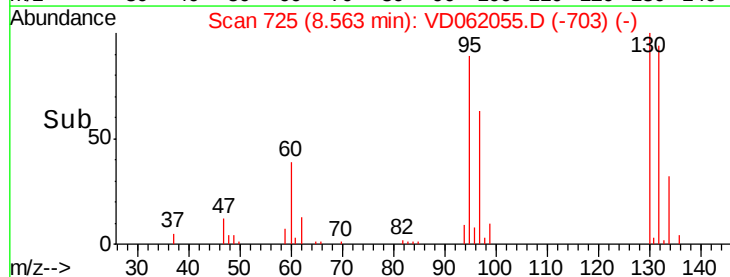
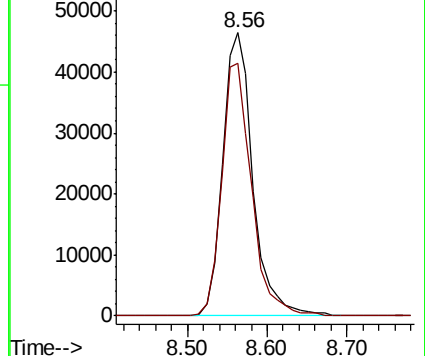
130 100

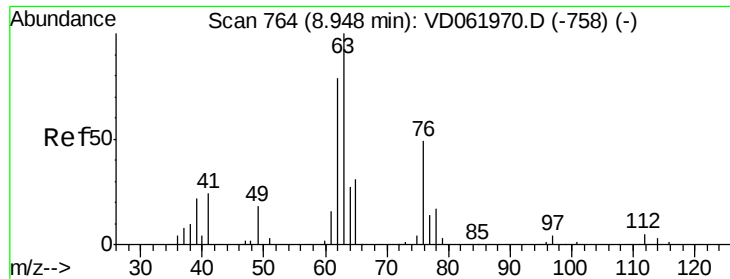
95 89.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.371 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

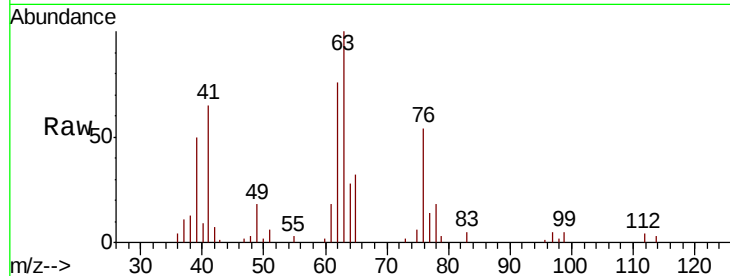
VD0426SBS01

Tot Ion: 63 Resp: 75450

Ion Ratio Lower Upper

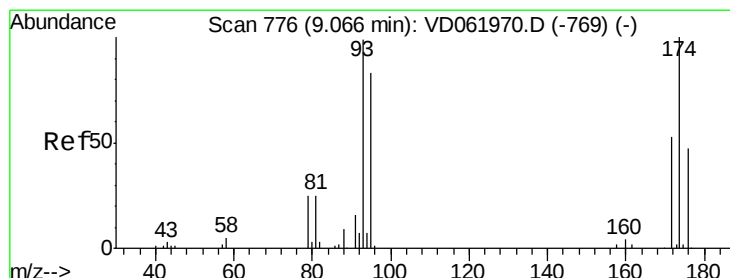
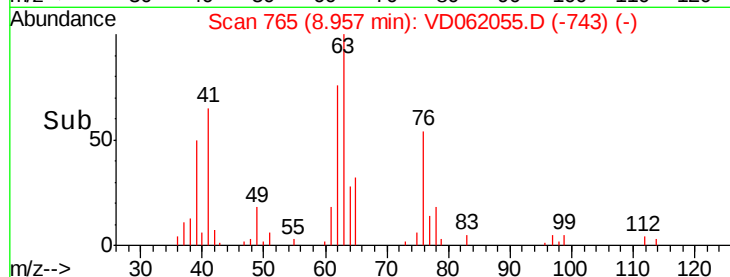
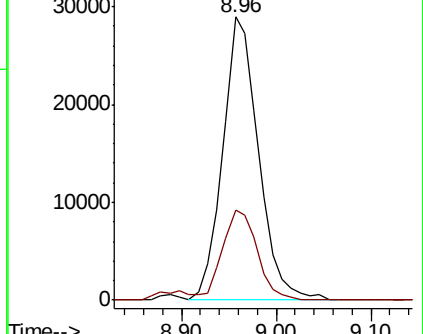
63 100

65 31.9 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: 21.761 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

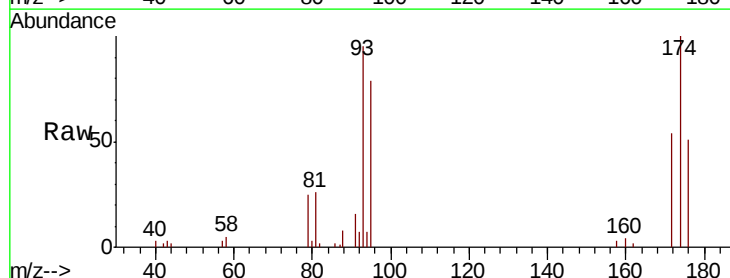
Tgt Ion: 93 Resp: 60991

Ion Ratio Lower Upper

93 100

95 83.1 64.8 97.2

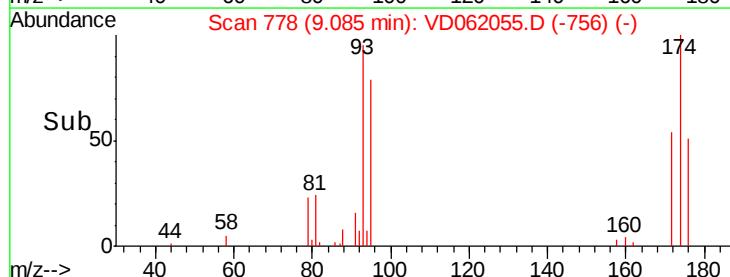
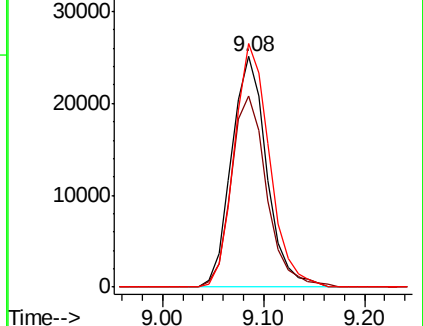
174 105.6 79.3 118.9



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: 21.951 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

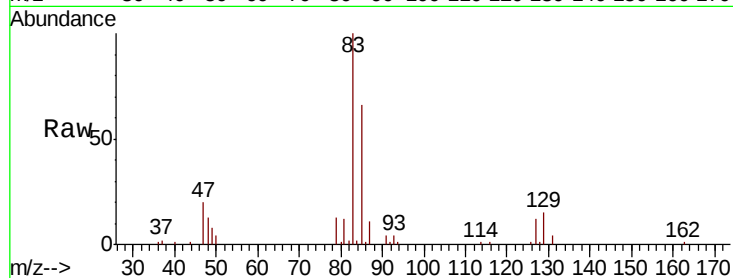
Tot Ion: 83 Resp: 145367

Ion Ratio Lower Upper

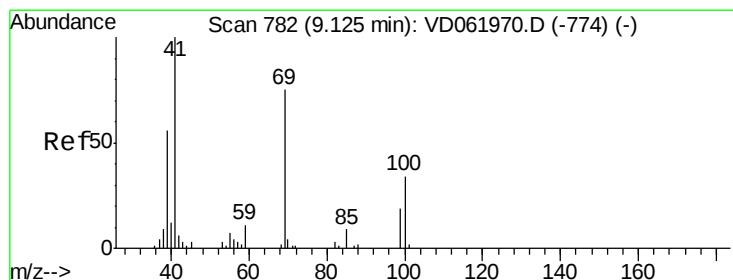
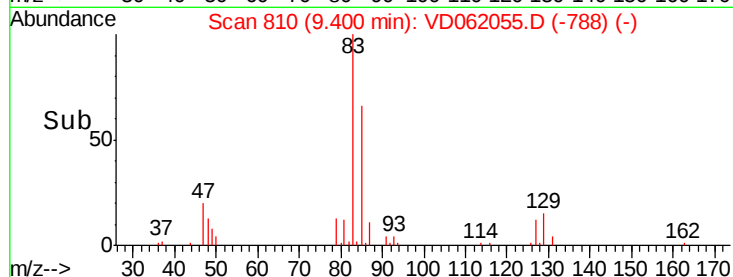
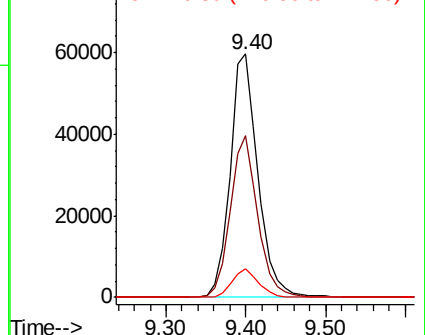
83 100

85 66.3 50.9 76.3

127 11.6 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: 21.900 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

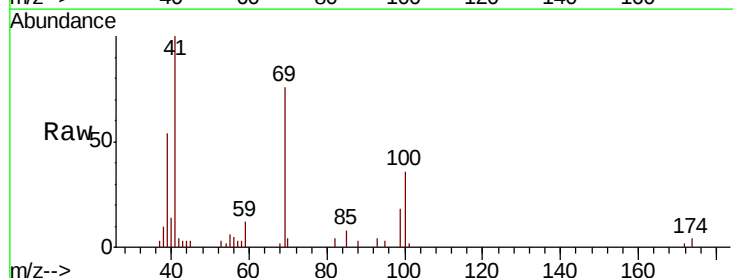
Tgt Ion: 41 Resp: 48250

Ion Ratio Lower Upper

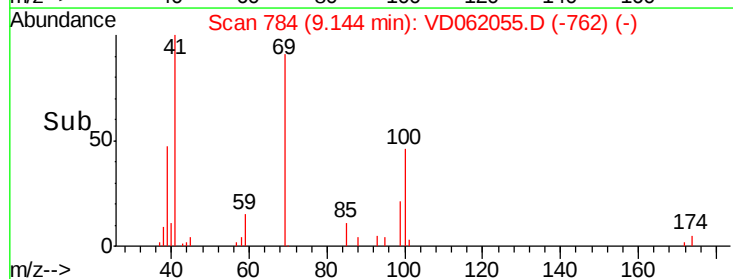
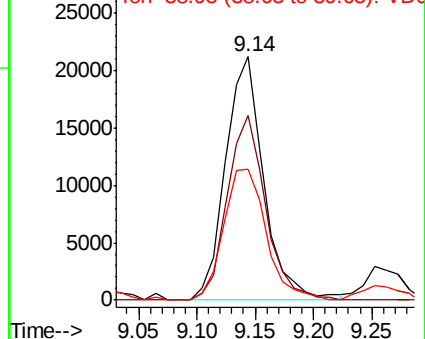
41 100

69 75.8 64.2 96.2

39 53.8 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

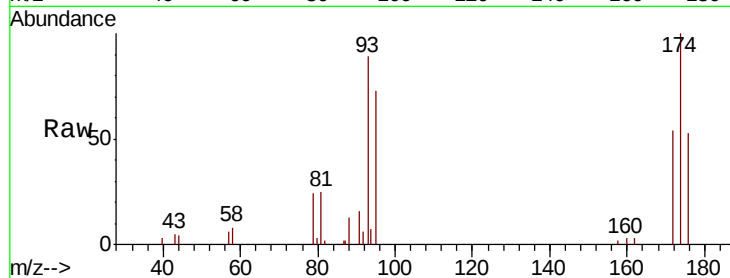




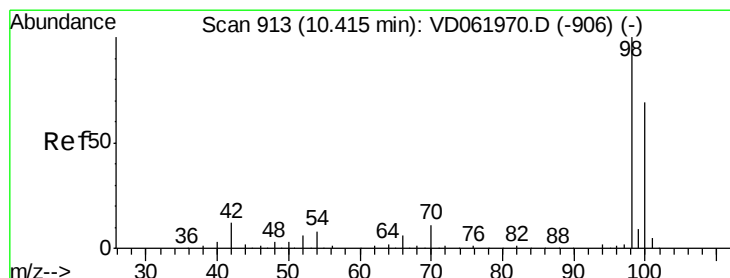
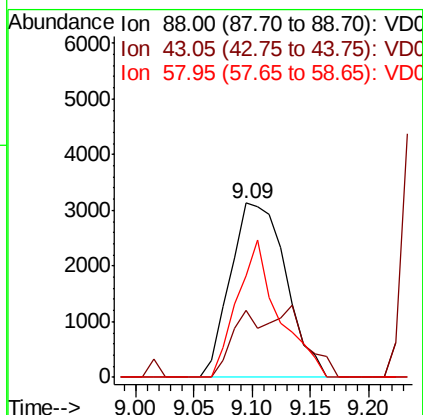
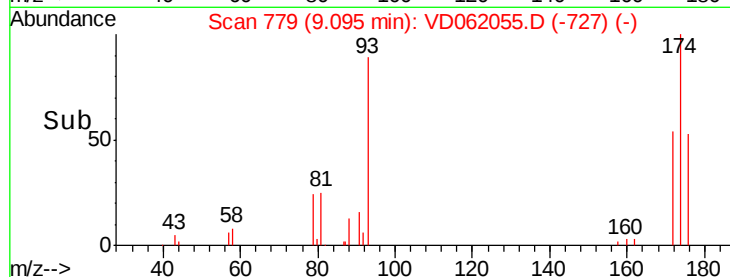
#49
1,4-Dioxane
Concen: 433.622 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion: 88 Resp: 10300
Ion Ratio Lower Upper
88 100
43 38.9 23.4 35.0#
58 58.2 44.0 66.0

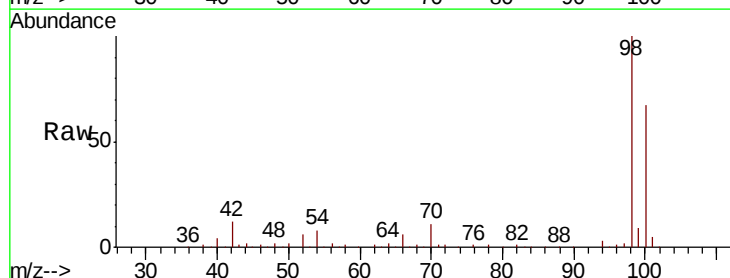


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

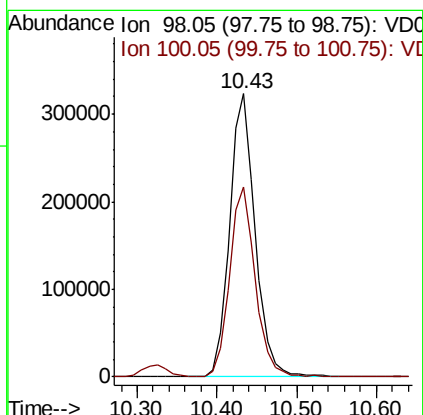
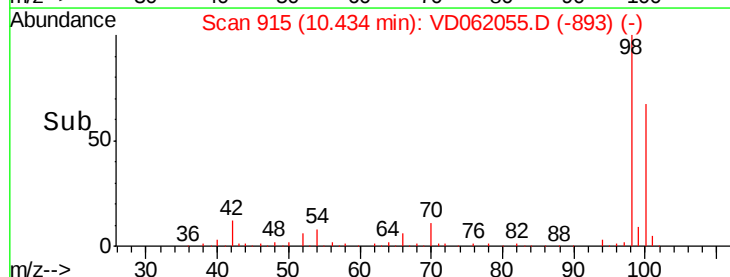


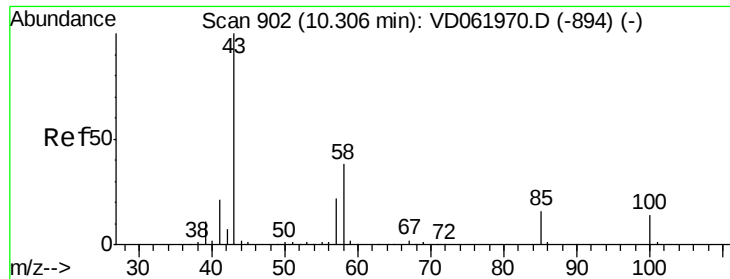
#50
Toluene-d8
Concen: 55.170 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 98 Resp: 722715
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: 105.295 ug/l

RT: 10.33 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

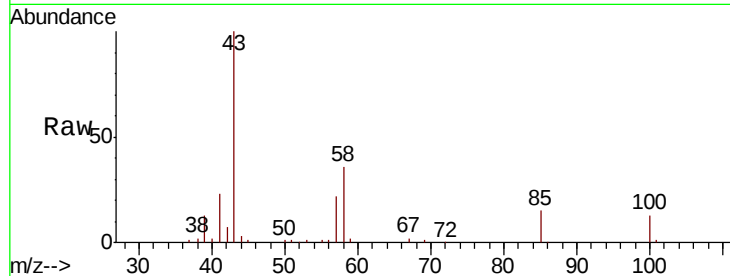
VD0426SBS01

Tot Ion: 43 Resp: 248660

Ion Ratio Lower Upper

43 100

58 36.5 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.33

100000

80000

60000

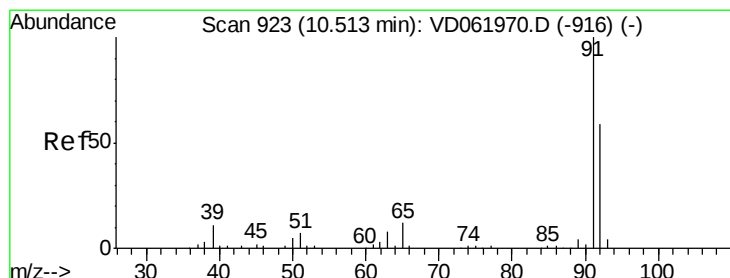
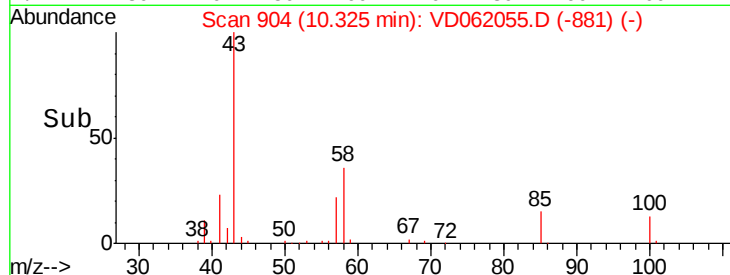
40000

20000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 22.064 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.01 min

Lab File: VD062055.D

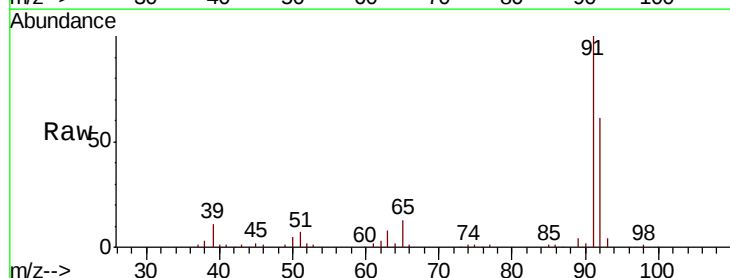
Acq: 26 Apr 2019 12:05

Tgt Ion: 92 Resp: 216005

Ion Ratio Lower Upper

92 100

91 165.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

150000

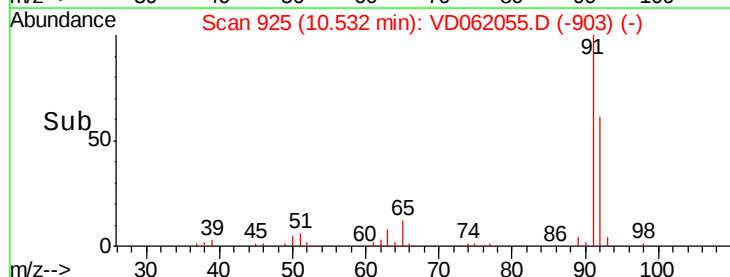
100000

50000

0

Time-->

10.40 10.50 10.60 10.70

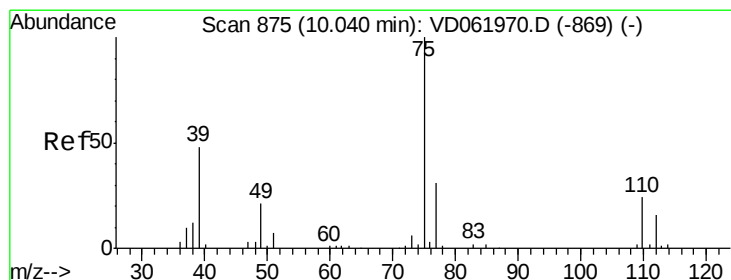
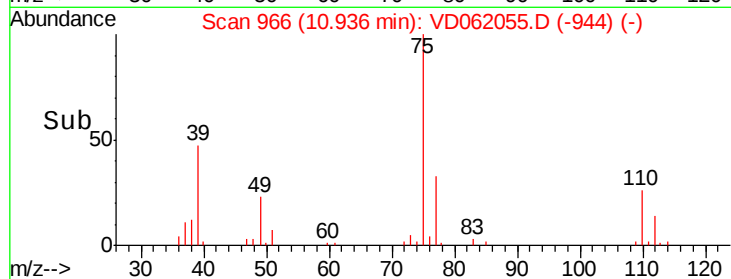
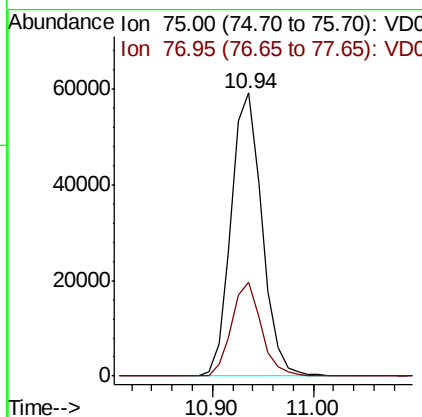
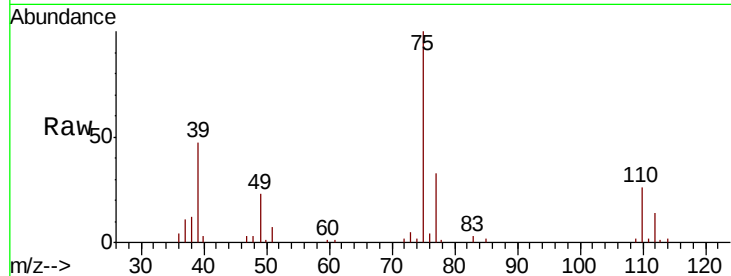




#53
 t-1,3-Dichloropropene
 Concen: 22.702 ug/l
 RT: 10.94 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

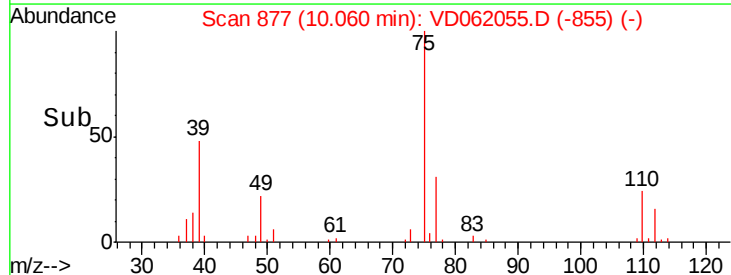
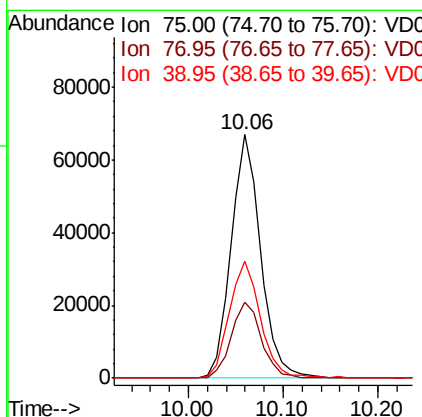
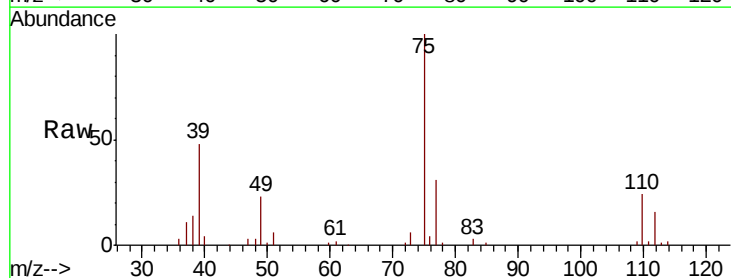
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

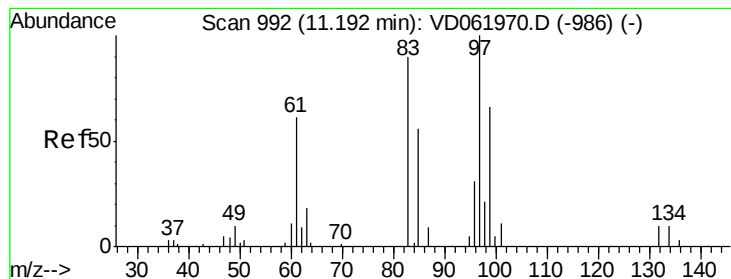
Tot Ion: 75 Resp: 126196
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.378 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 75 Resp: 144534
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3
 39 48.2 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 21.130 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

Tot Ion: 97 Resp: 69445

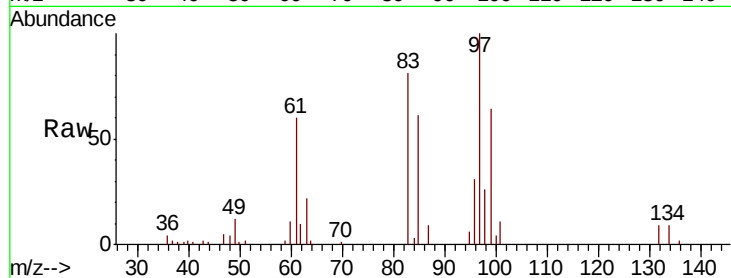
Ion Ratio Lower Upper

97 100

83 80.6 65.7 98.5

85 61.3 45.6 68.4

99 64.5 48.4 72.6

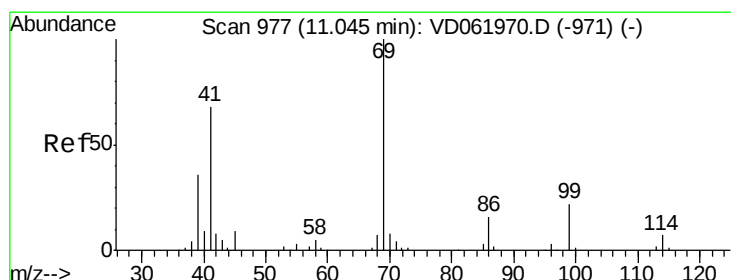
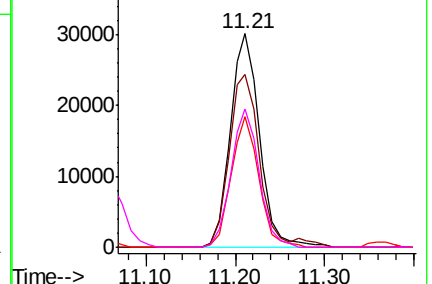
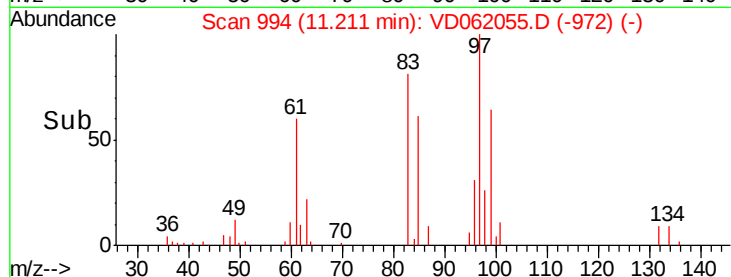


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.905 ug/l

RT: 11.06 min Scan# 979

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

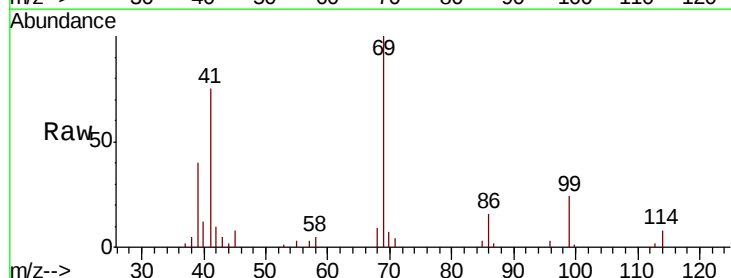
Tgt Ion: 69 Resp: 72454

Ion Ratio Lower Upper

69 100

41 74.6 56.3 84.5

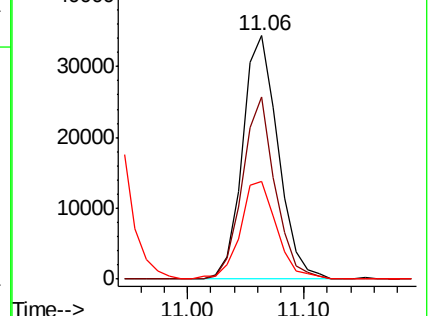
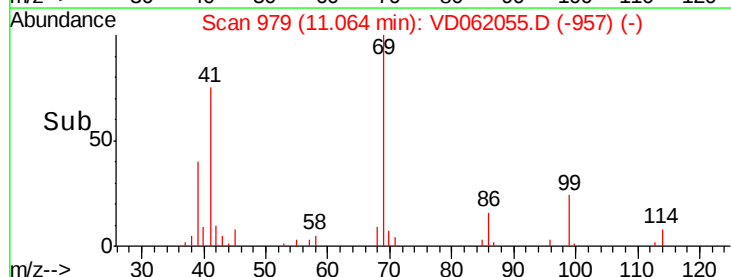
39 39.9 29.4 44.2

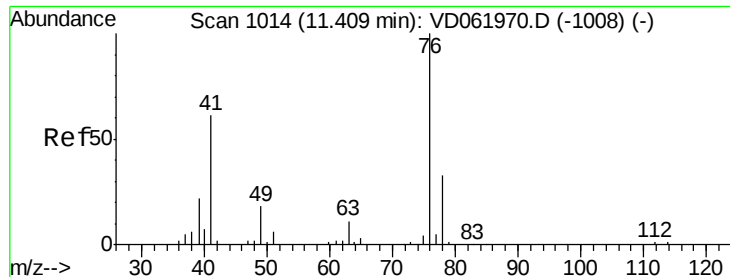


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

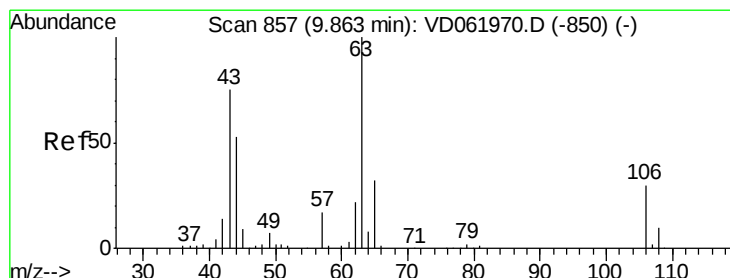
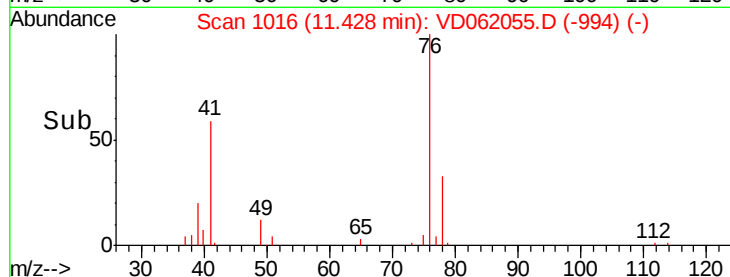
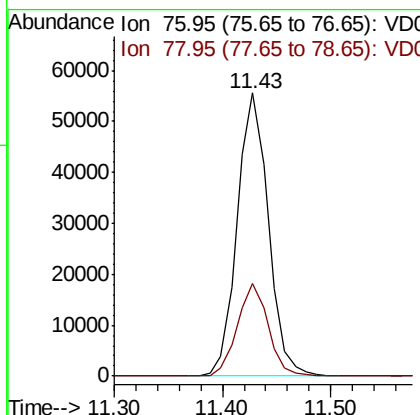
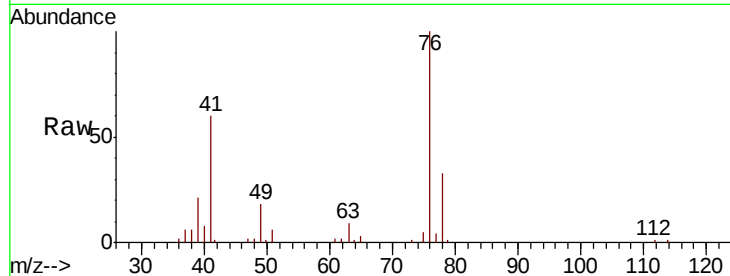




#57
 1,3-Dichloropropane
 Concen: 21.861 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

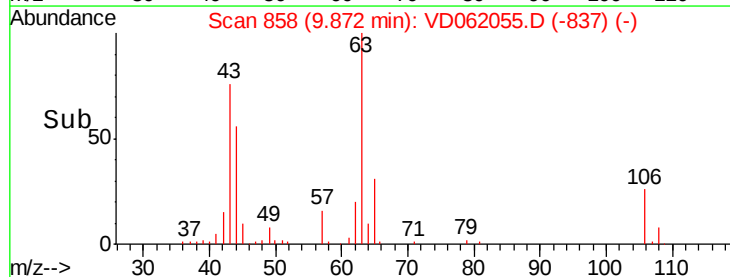
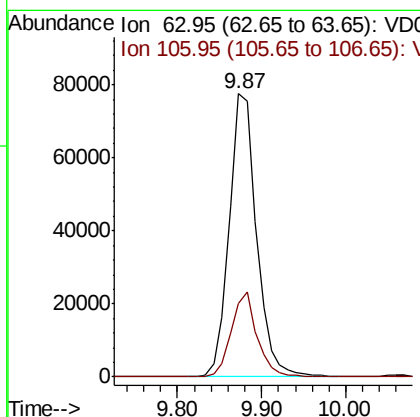
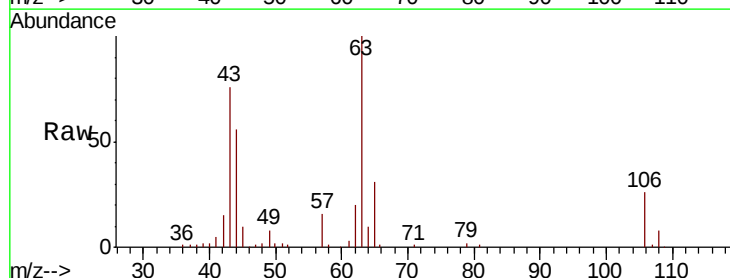
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

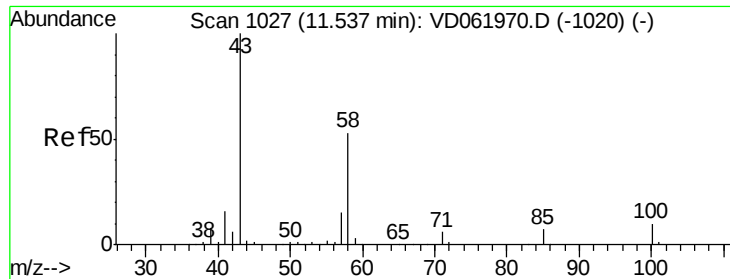
Tot Ion: 76 Resp: 110970
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.757 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 63 Resp: 175595
 Ion Ratio Lower Upper
 63 100
 106 25.8 22.6 34.0

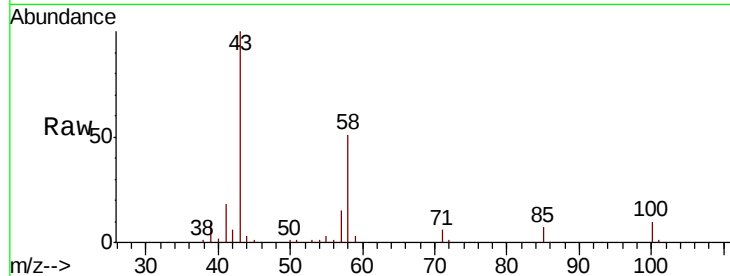




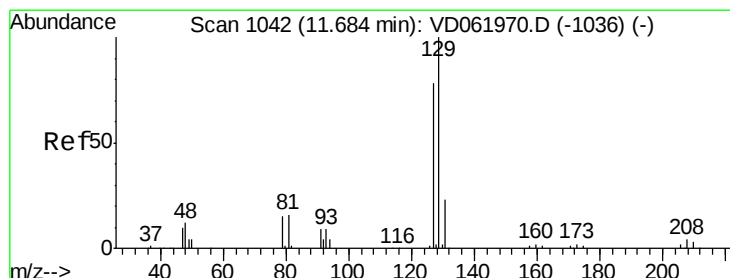
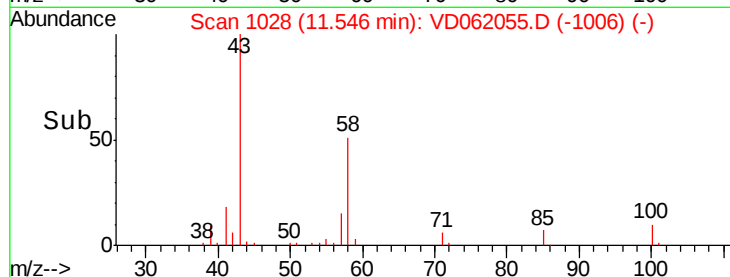
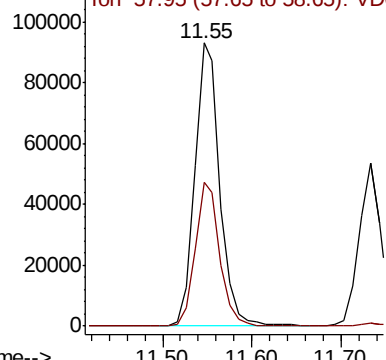
#59
2-Hexanone
Concen: 103.430 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion: 43 Resp: 183227
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4

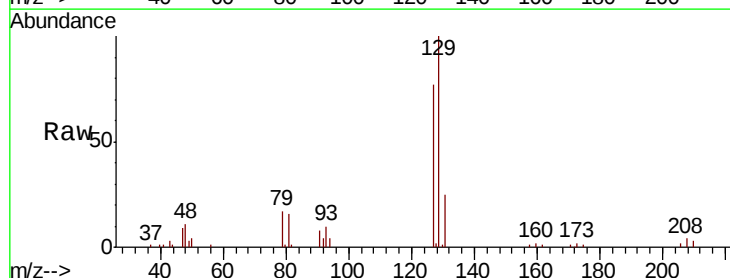


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

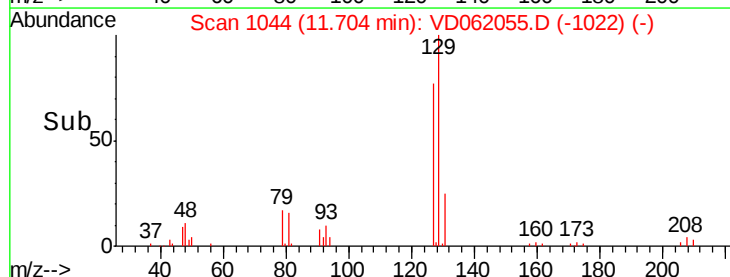
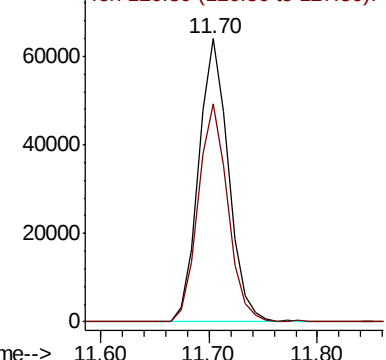


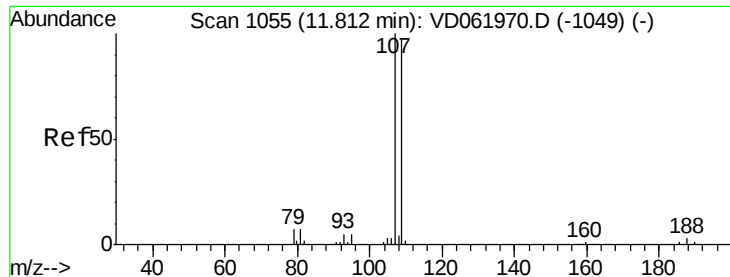
#60
Dibromochloromethane
Concen: 22.402 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:129 Resp: 121827
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

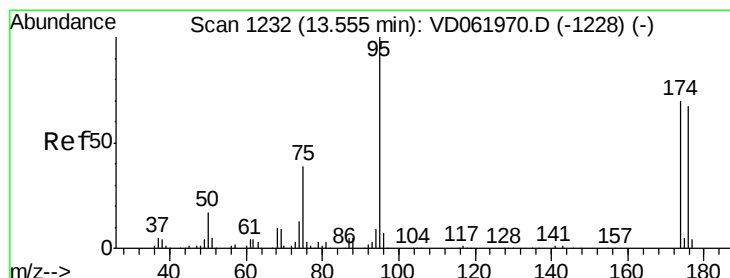
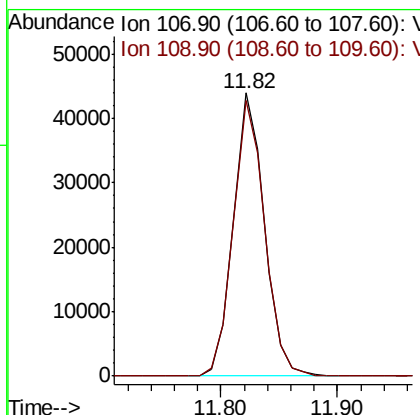
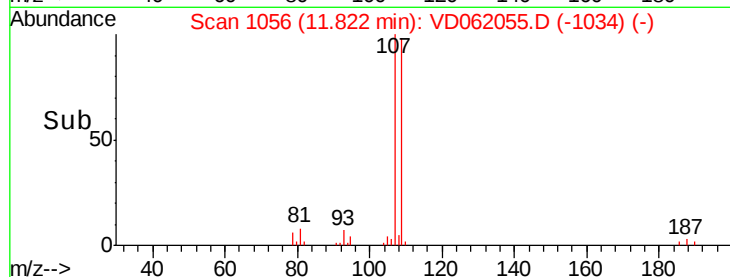
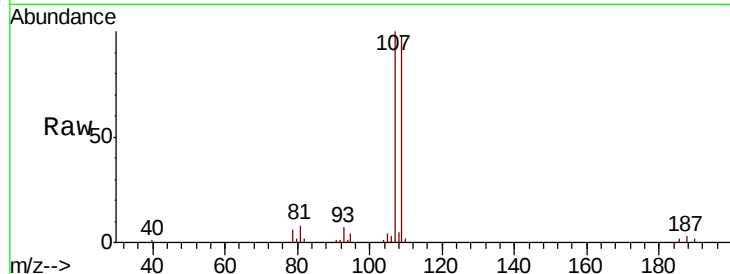




#61
 1,2-Dibromoethane
 Concen: 20.792 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

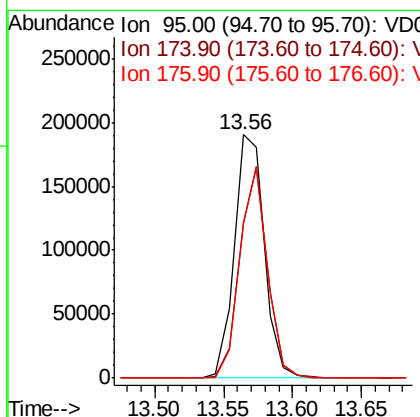
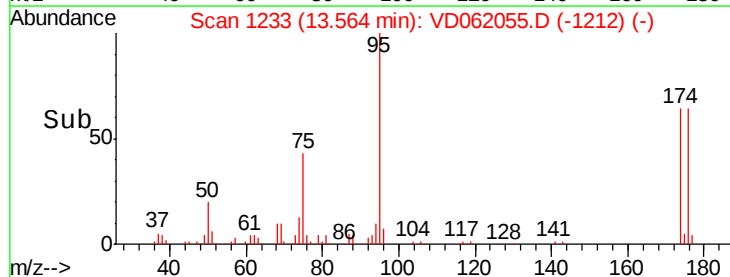
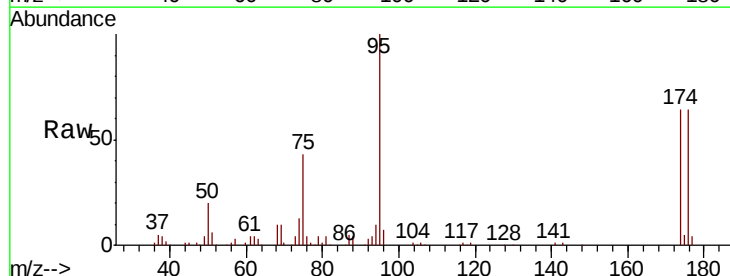
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

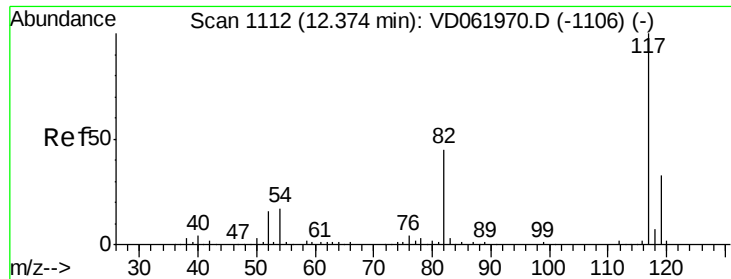
Tot Ion:107 Resp: 81062
 Ion Ratio Lower Upper
 107 100
 109 97.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 54.944 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 95 Resp: 288688
 Ion Ratio Lower Upper
 95 100
 174 63.8 0.0 181.8
 176 63.8 0.0 174.4

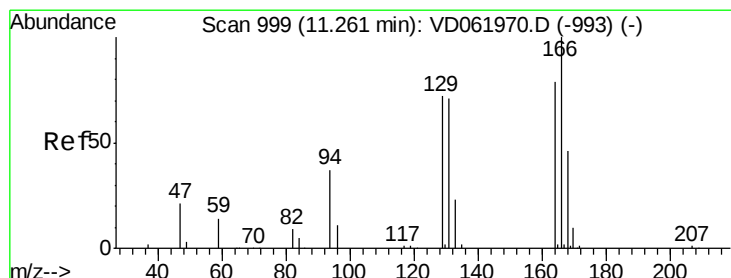
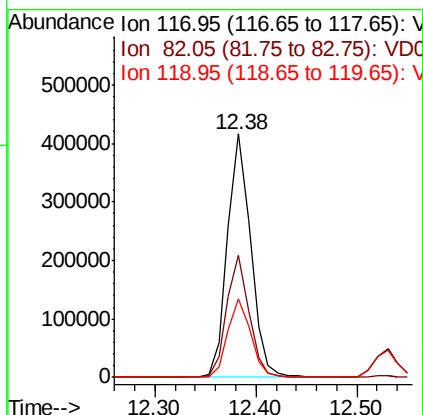
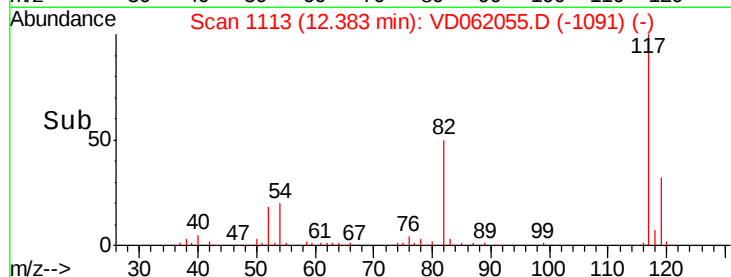
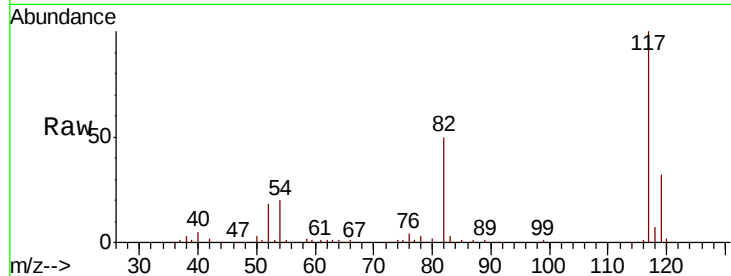




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

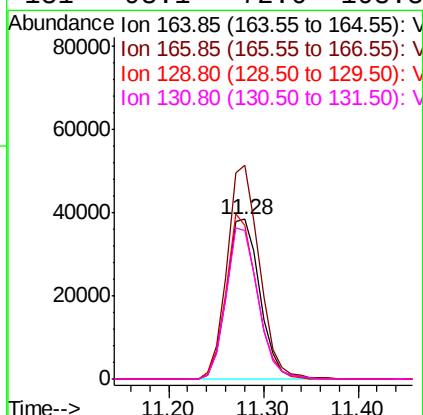
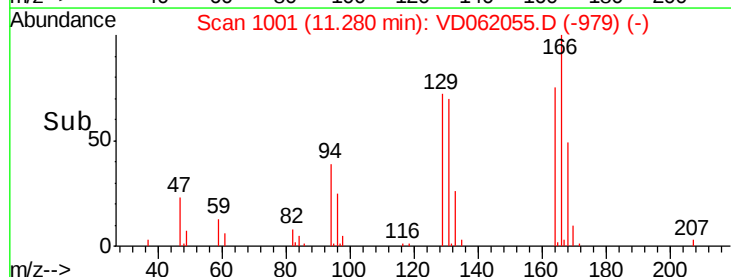
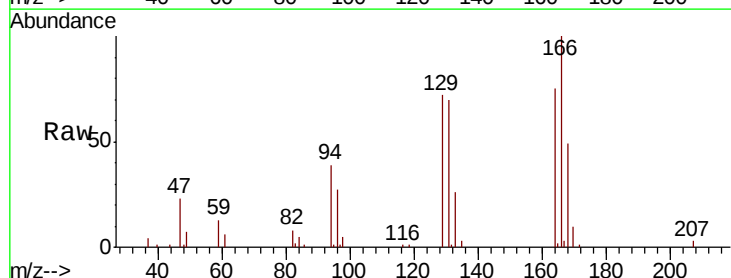
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

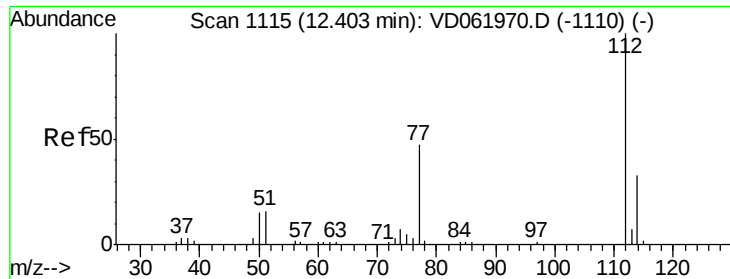
Tot Ion:117 Resp: 667750
Ion Ratio Lower Upper
117 100
82 50.0 36.2 54.2
119 32.3 26.2 39.4



#64
Tetrachloroethene
Concen: 19.599 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:164 Resp: 93359
Ion Ratio Lower Upper
164 100
166 133.8 101.5 152.3
129 96.5 74.6 112.0
131 93.1 72.6 108.8

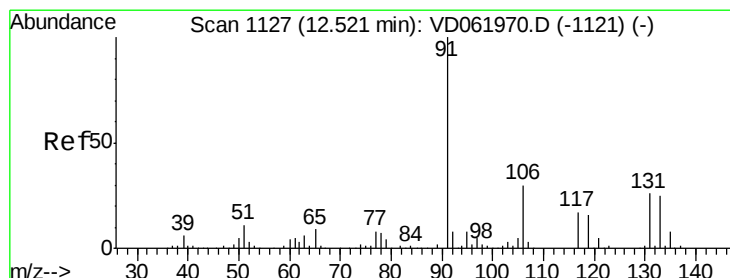
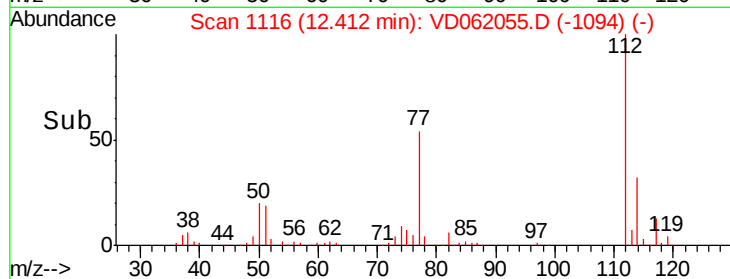
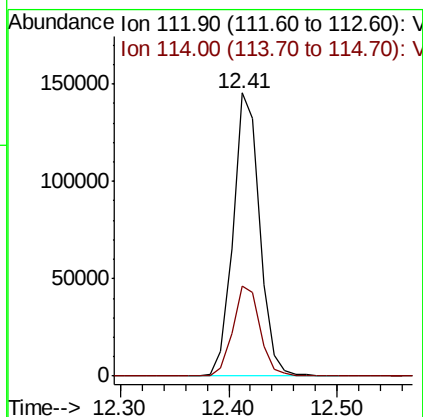
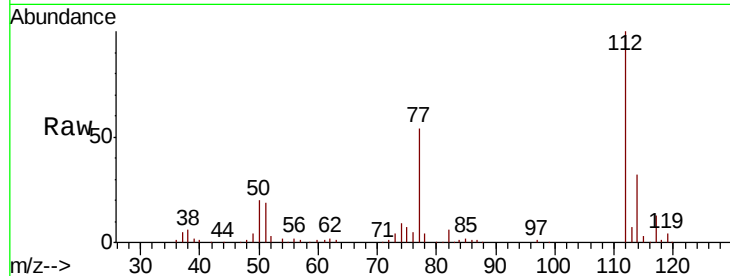




#65
Chlorobenzene
Concen: 19.655 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

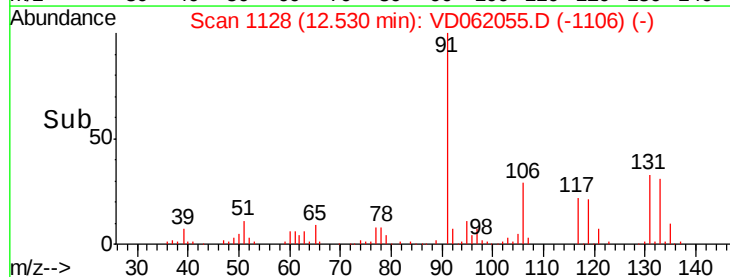
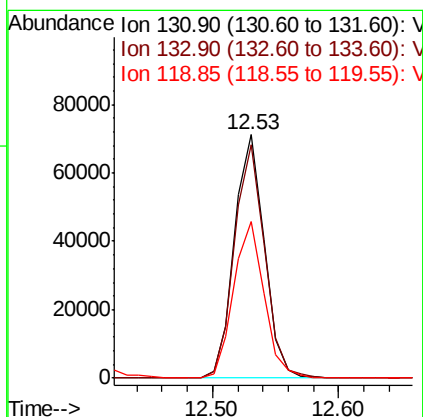
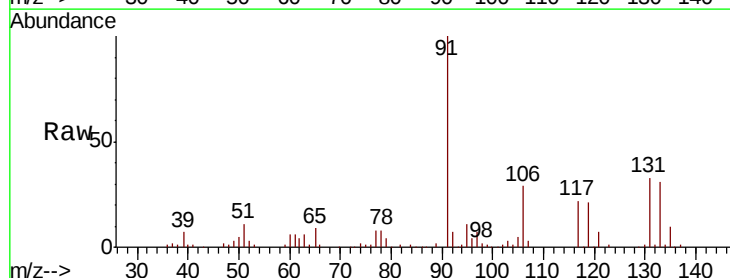
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

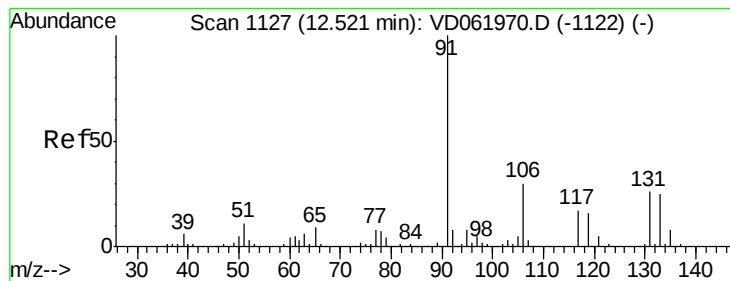
Tot Ion:112 Resp: 248003
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.793 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:131 Resp: 116641
Ion Ratio Lower Upper
131 100
133 95.7 48.6 145.8
119 64.4 34.7 104.1





#67

Ethyl Benzene

Concen: 22.308 ug/l

RT: 12.54 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

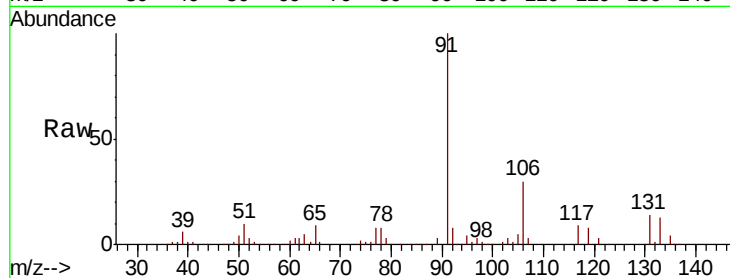
VD0426SBS01

Tot Ion: 91 Resp: 459440

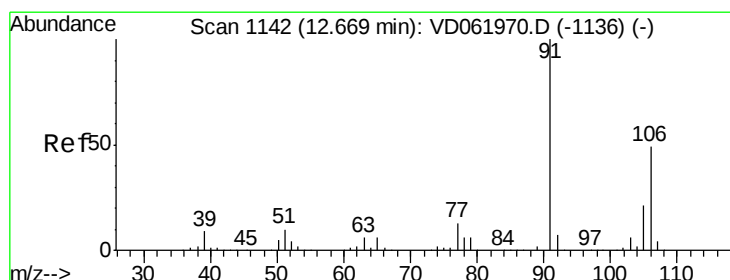
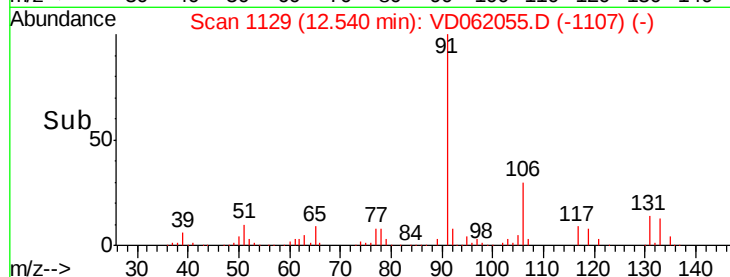
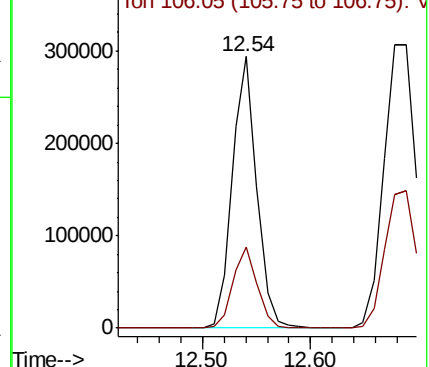
Ion Ratio Lower Upper

91 100

106 30.1 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 40.994 ug/l

RT: 12.69 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VD062055.D

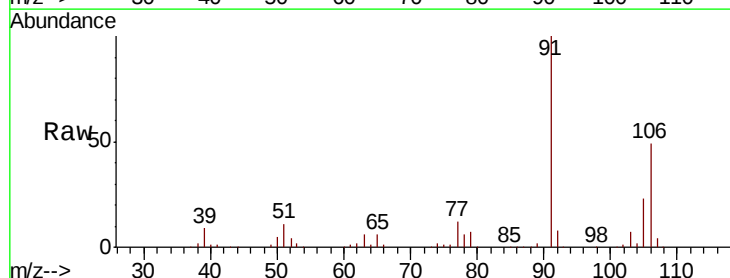
Acq: 26 Apr 2019 12:05

Tgt Ion: 106 Resp: 305146

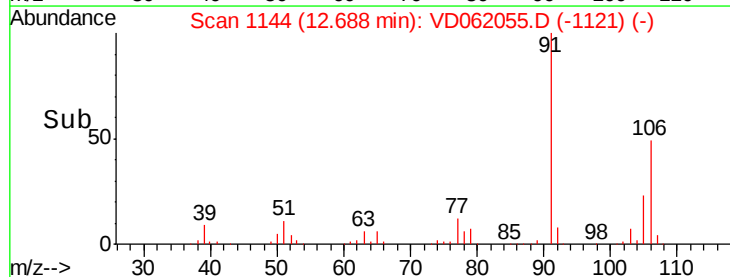
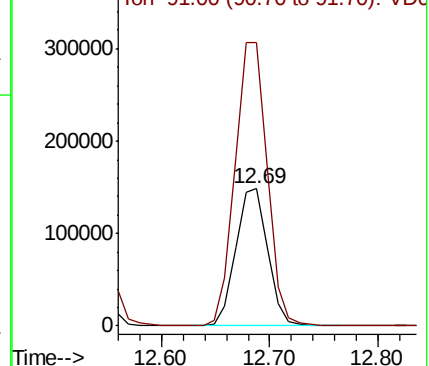
Ion Ratio Lower Upper

106 100

91 206.0 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V

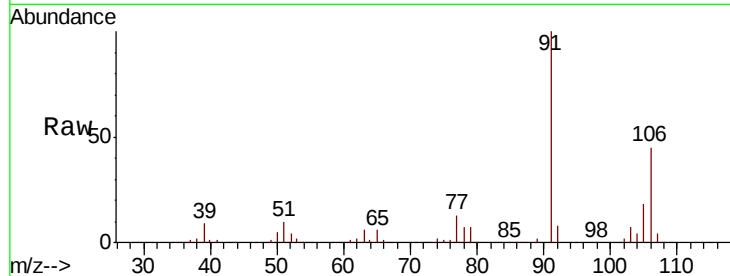




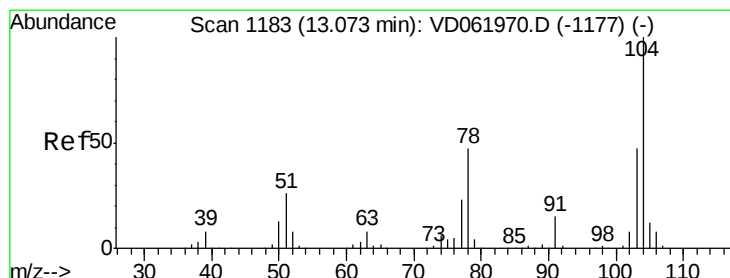
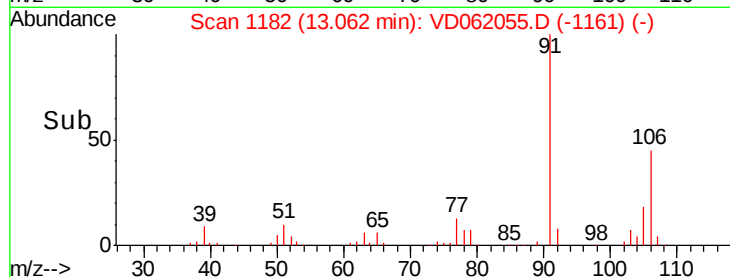
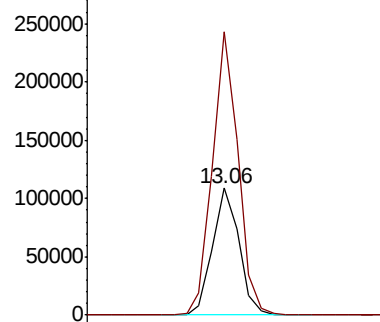
#69
o-Xylene
Concen: 23.169 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion:106 Resp: 157799
Ion Ratio Lower Upper
106 100
91 222.8 106.7 319.9

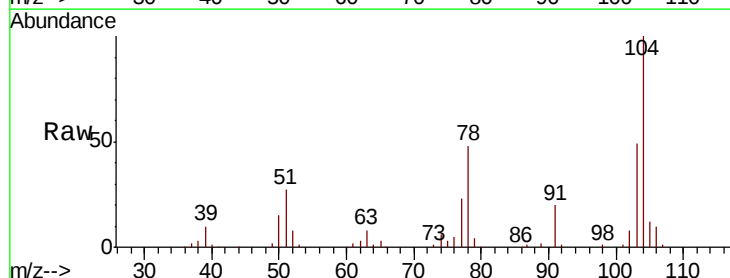


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

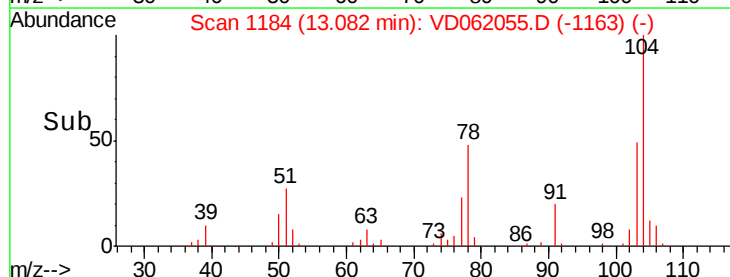
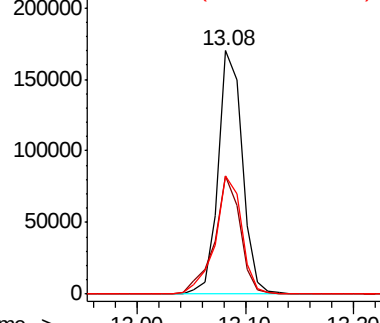


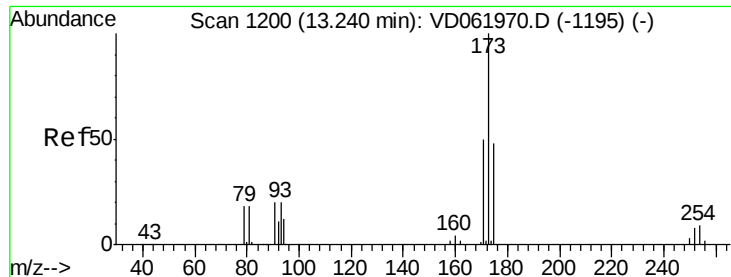
#70
Styrene
Concen: 22.388 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:104 Resp: 263277
Ion Ratio Lower Upper
104 100
78 48.4 35.4 53.2
103 48.7 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





#71

Bromoform

Concen: 22.829 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

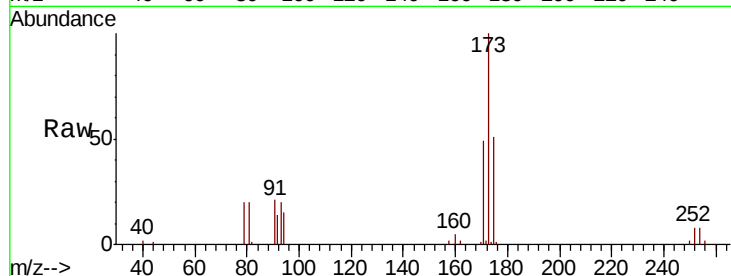
Tot Ion:173 Resp: 69662

Ion Ratio Lower Upper

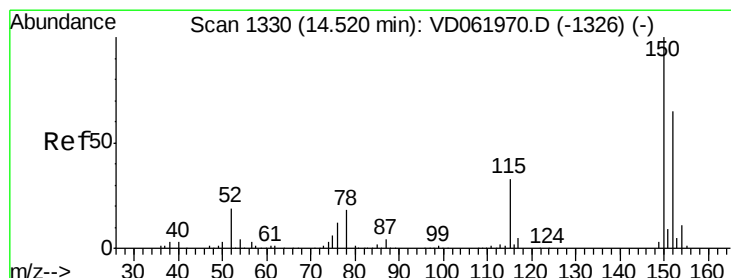
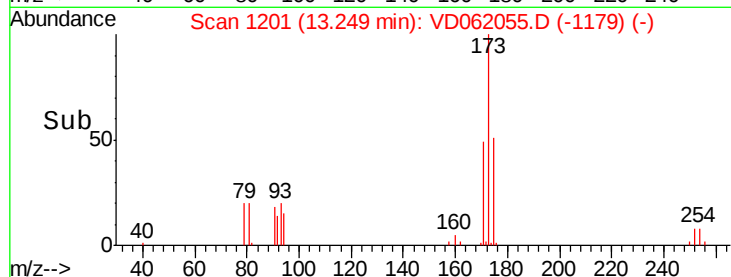
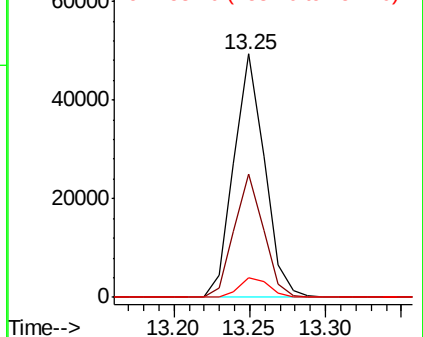
173 100

175 50.8 24.4 73.4

254 7.8 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

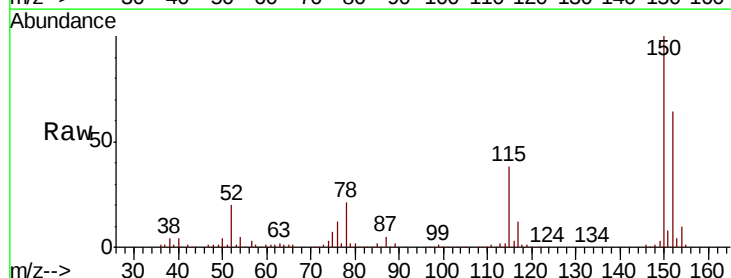
Tgt Ion:152 Resp: 319105

Ion Ratio Lower Upper

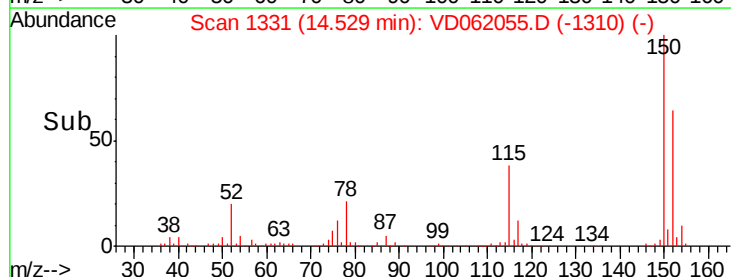
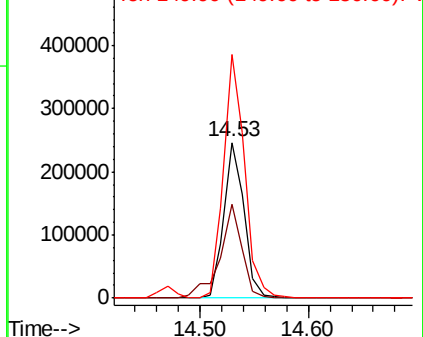
152 100

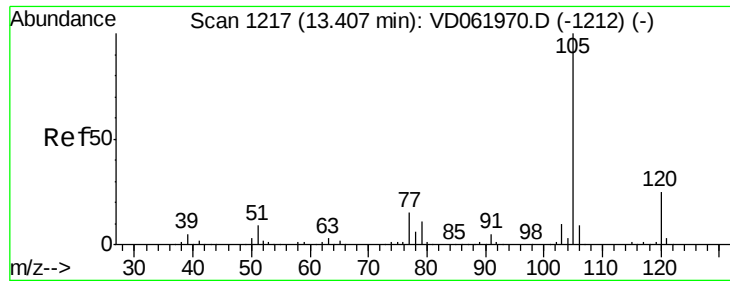
115 60.3 30.9 92.7

150 156.8 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

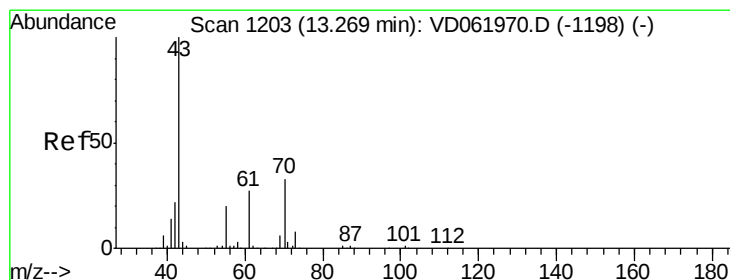
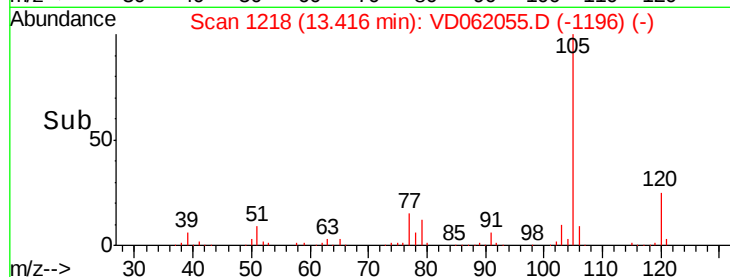
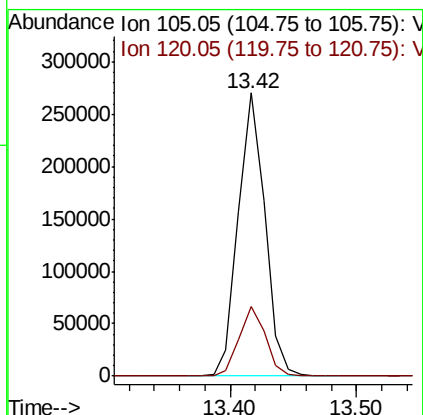
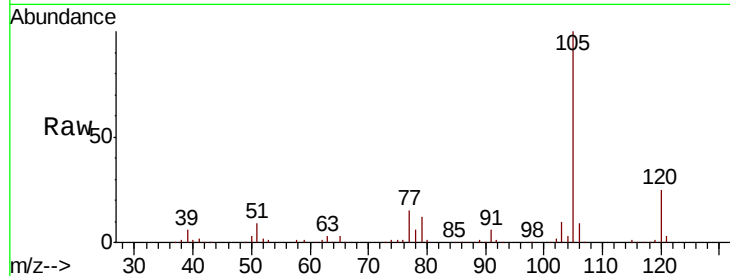




#73
Isopropylbenzene
Concen: 18.522 ug/l
RT: 13.42 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

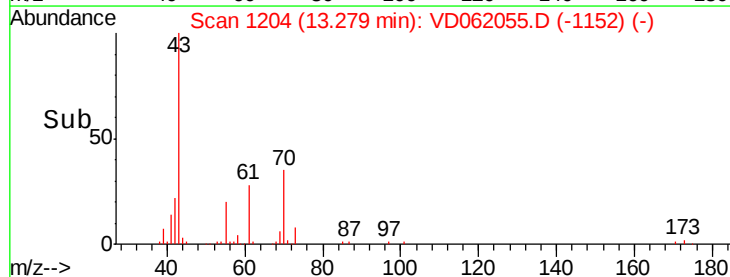
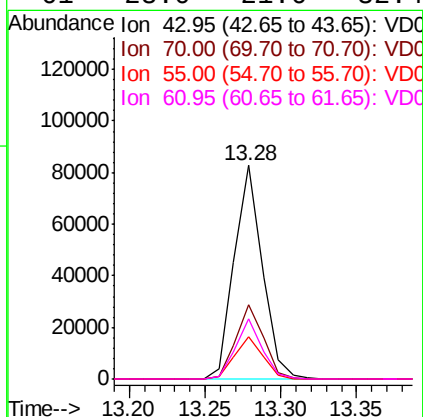
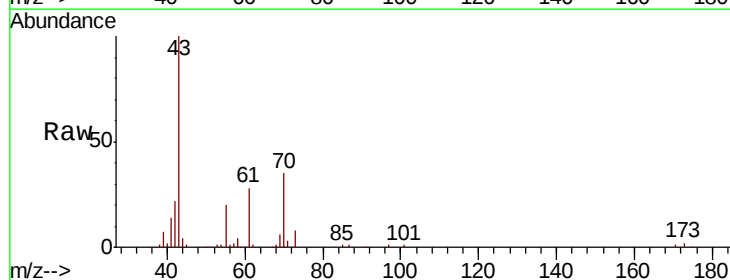
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

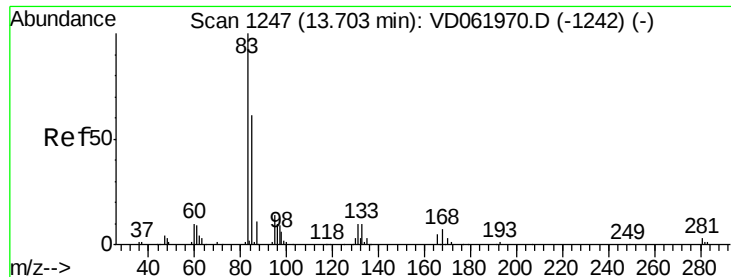
Tot Ion:105 Resp: 394274
Ion Ratio Lower Upper
105 100
120 24.6 12.0 36.1



#74
N-ethyl acetate
Concen: 19.496 ug/l
RT: 13.28 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 43 Resp: 106879
Ion Ratio Lower Upper
43 100
70 34.6 24.2 36.4
55 19.7 16.0 24.0
61 28.0 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.633 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

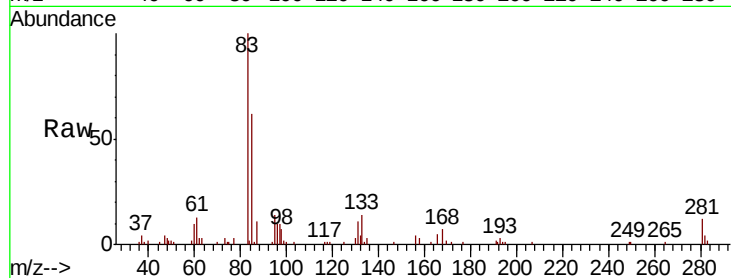
Tot Ion: 83 Resp: 81895

Ion Ratio Lower Upper

83 100

131 11.2 5.0 14.9

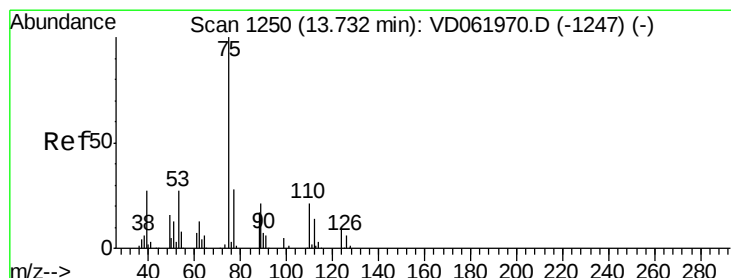
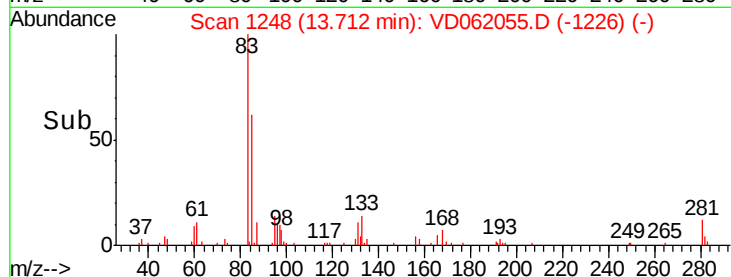
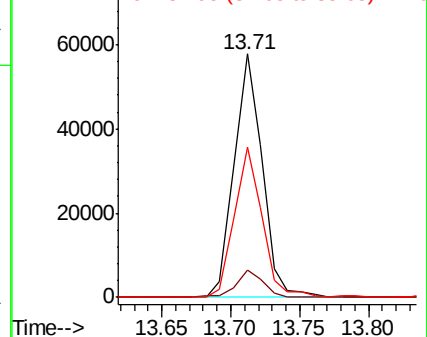
85 61.9 32.6 97.7



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: 19.885 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062055.D

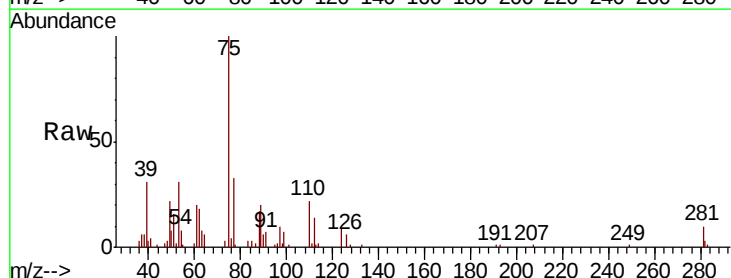
Acq: 26 Apr 2019 12:05

Tgt Ion: 75 Resp: 80578

Ion Ratio Lower Upper

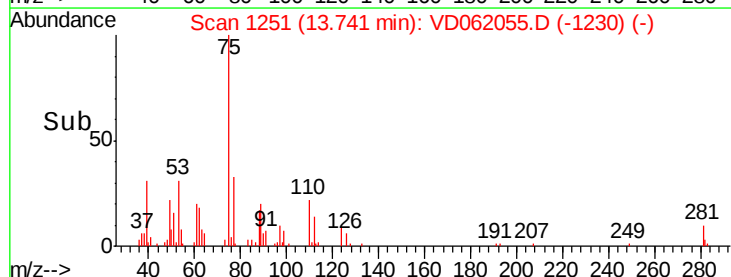
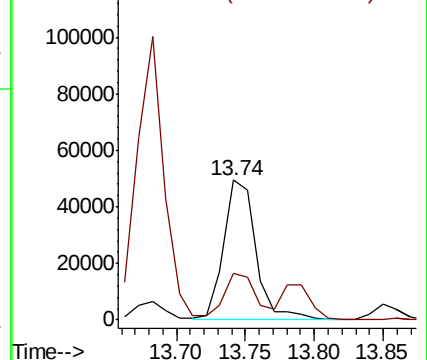
75 100

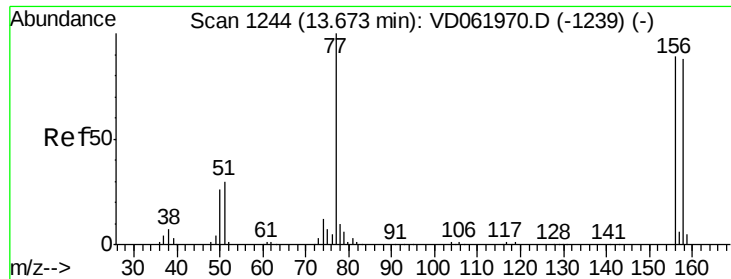
77 33.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.208 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

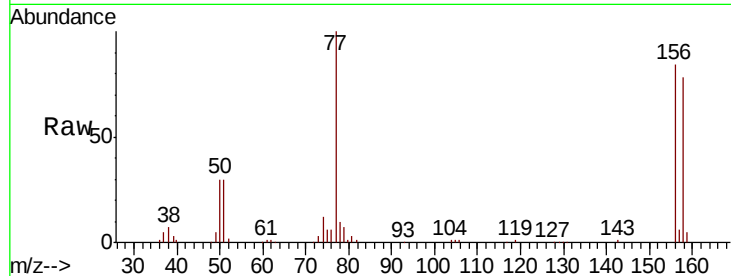
Tot Ion:156 Resp: 111183

Ion Ratio Lower Upper

156 100

77 118.8 53.1 159.4

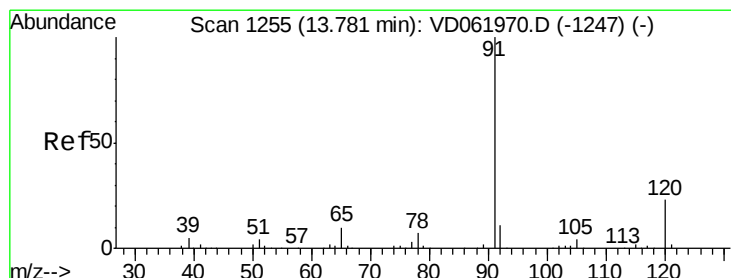
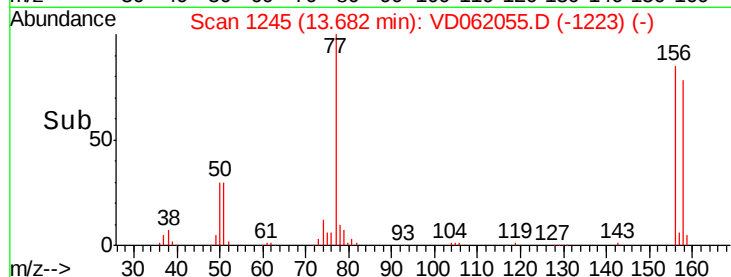
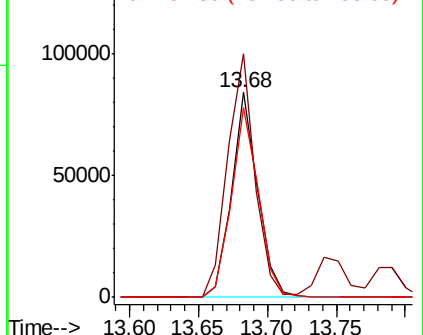
158 92.8 49.4 148.0



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: 20.868 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD062055.D

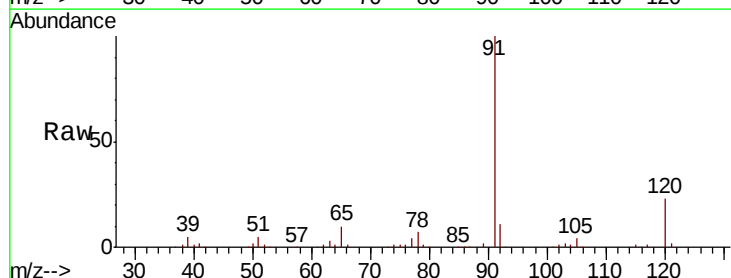
Acq: 26 Apr 2019 12:05

Tgt Ion: 91 Resp: 508501

Ion Ratio Lower Upper

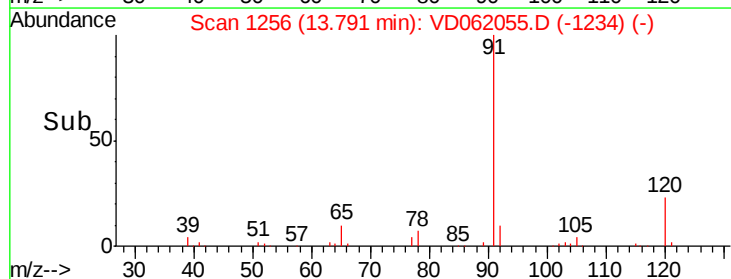
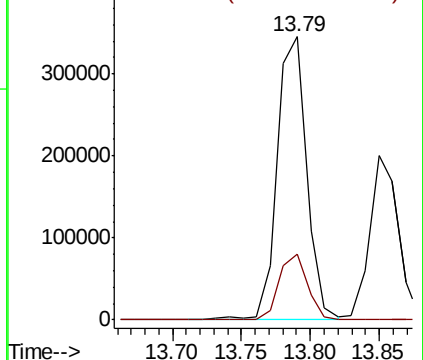
91 100

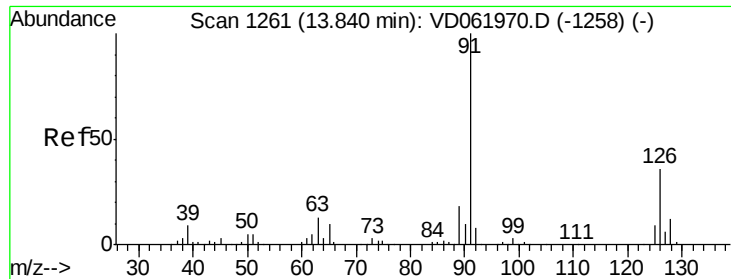
120 23.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

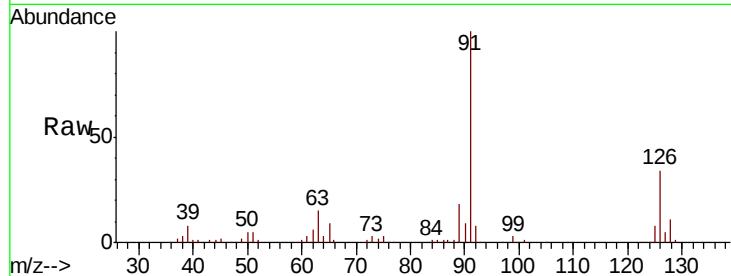




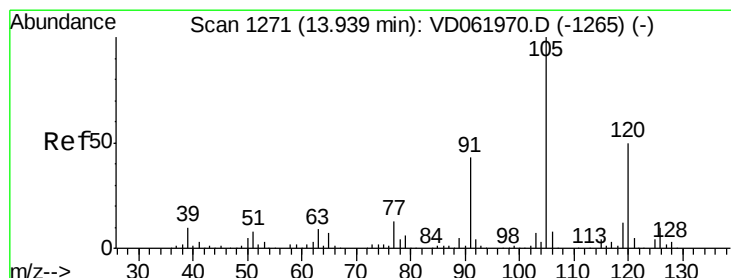
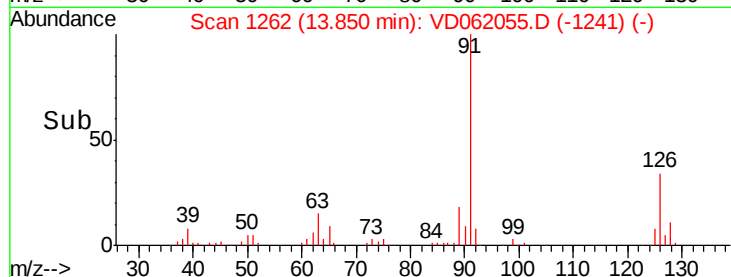
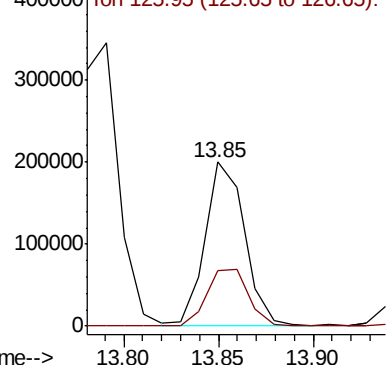
#79
 2-Chlorotoluene
 Concen: 19.461 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Tot Ion: 91 Resp: 287242
 Ion Ratio Lower Upper
 91 100
 126 33.8 18.6 55.8

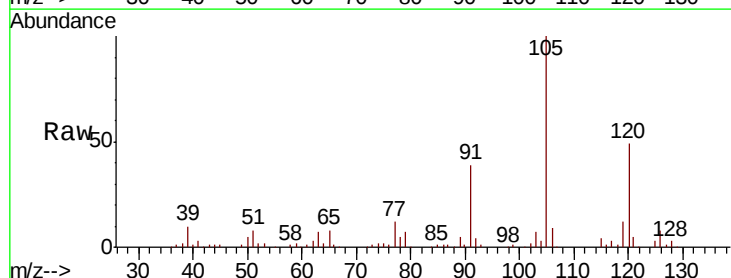


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

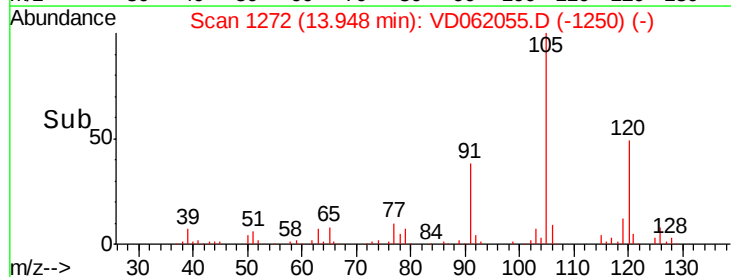
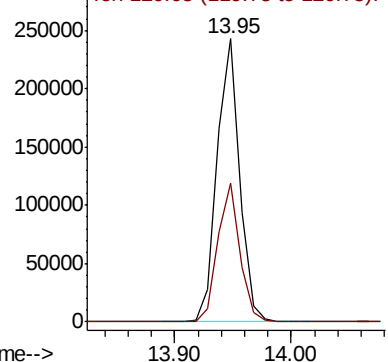


#80
 1,3,5-Trimethylbenzene
 Concen: 19.154 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion:105 Resp: 325109
 Ion Ratio Lower Upper
 105 100
 120 49.1 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: 18.781 ug/l

RT: 13.49 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

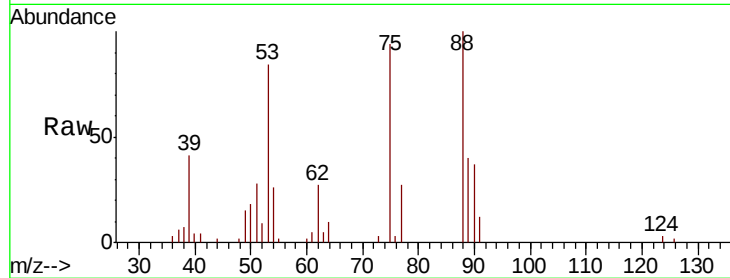
Tot Ion: 75 Resp: 23062

Ion Ratio Lower Upper

75 100

53 89.6 65.8 98.8

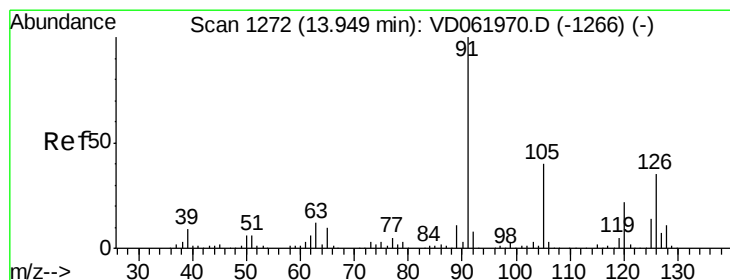
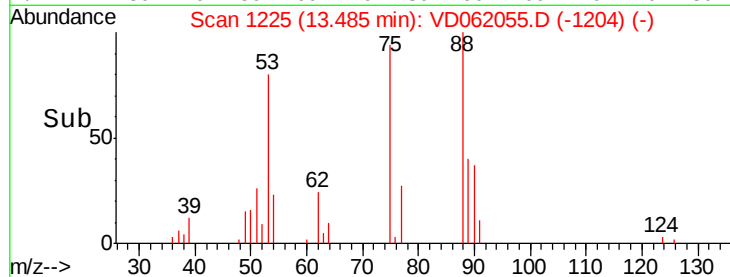
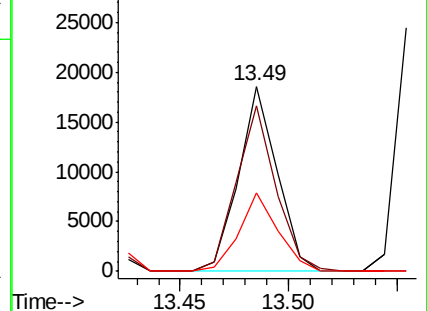
89 42.7 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.452 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD062055.D

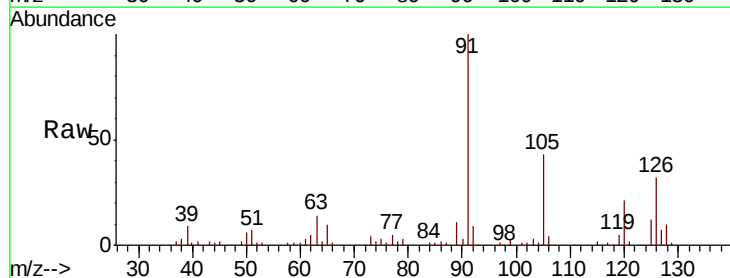
Acq: 26 Apr 2019 12:05

Tgt Ion: 91 Resp: 316197

Ion Ratio Lower Upper

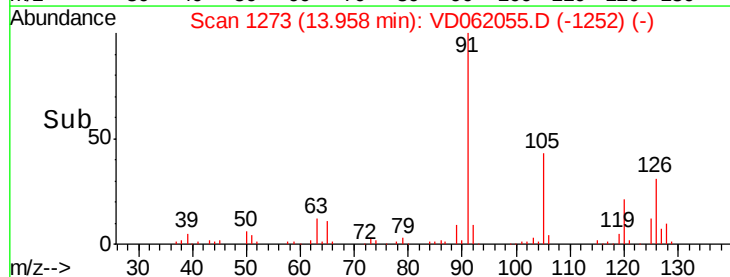
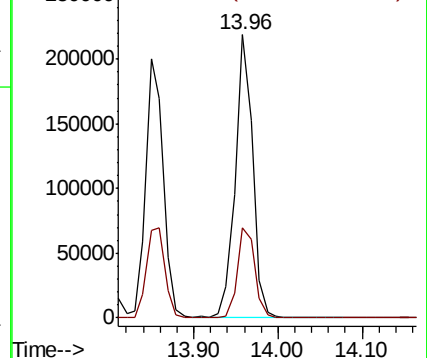
91 100

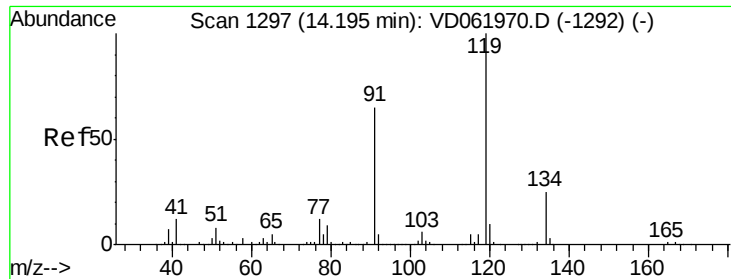
126 31.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 19.729 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

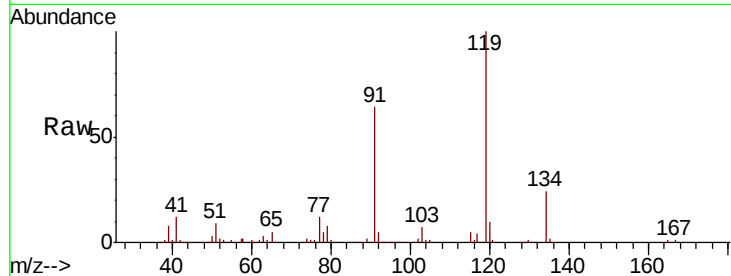
Tot Ion:119 Resp: 387920

Ion Ratio Lower Upper

119 100

91 64.3 34.2 102.6

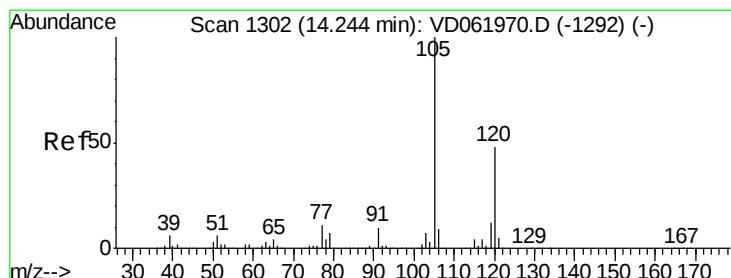
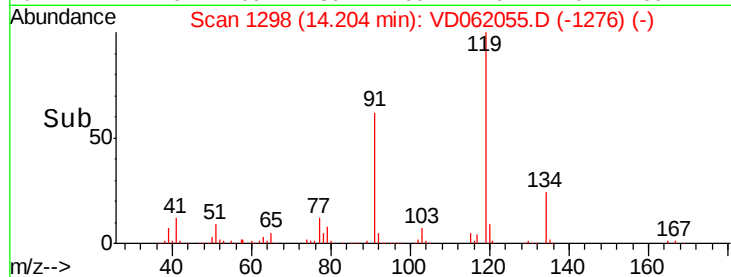
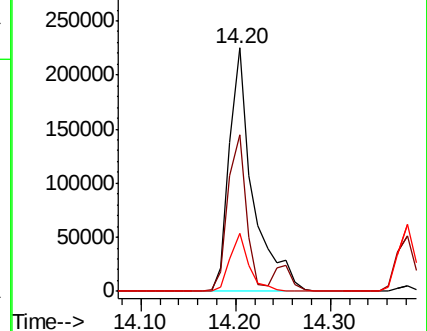
134 23.6 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.537 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VD062055.D

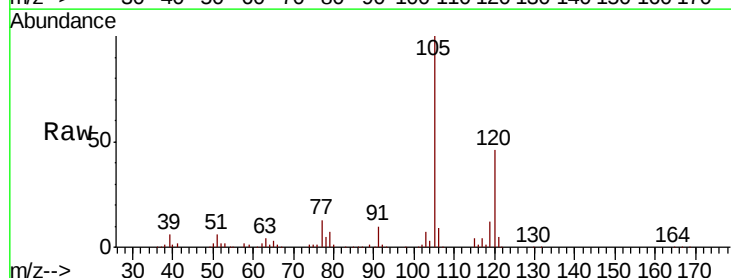
Acq: 26 Apr 2019 12:05

Tgt Ion:105 Resp: 332840

Ion Ratio Lower Upper

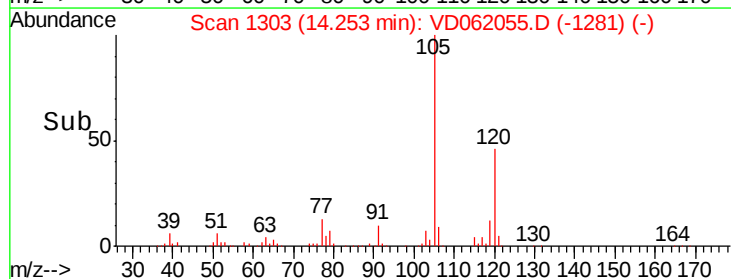
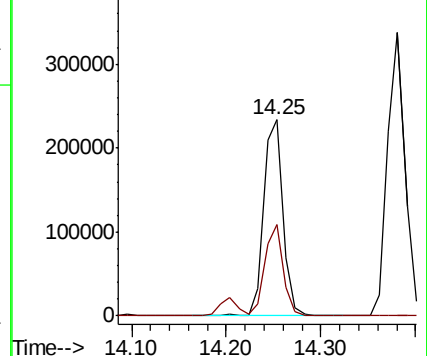
105 100

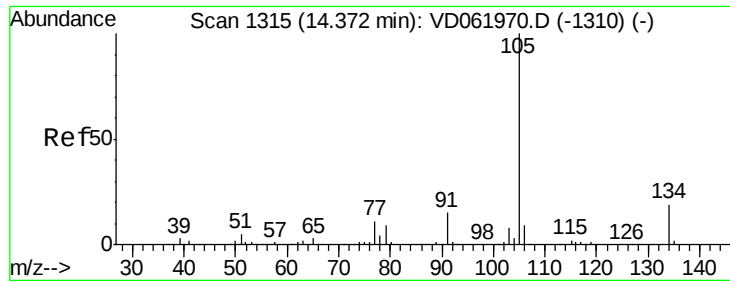
120 46.4 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

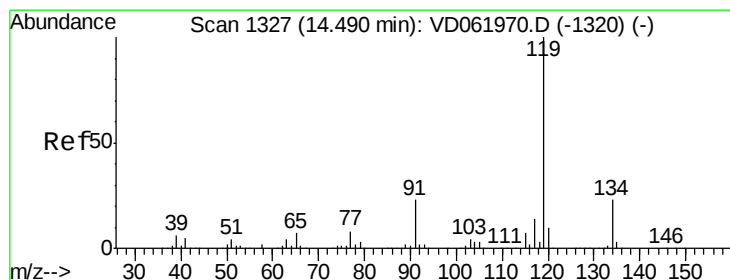
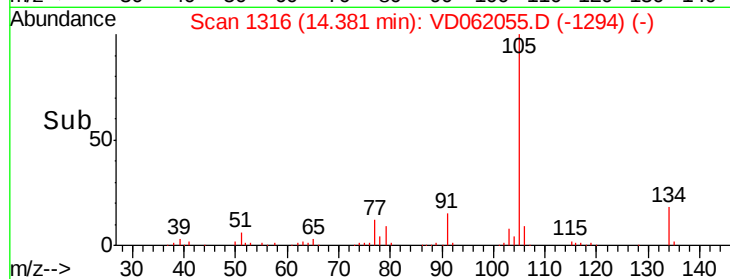
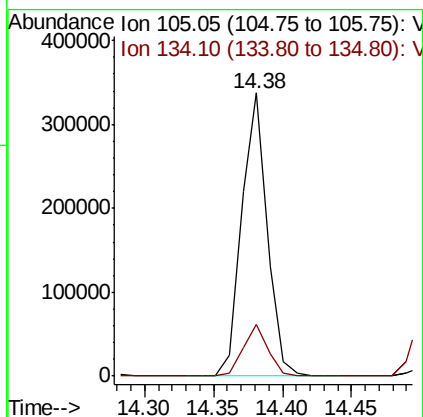
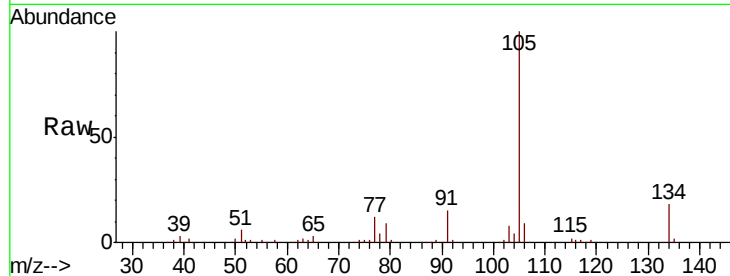




#85
 sec-Butylbenzene
 Concen: 20.526 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

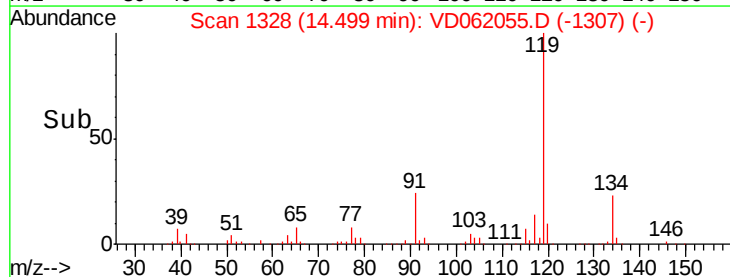
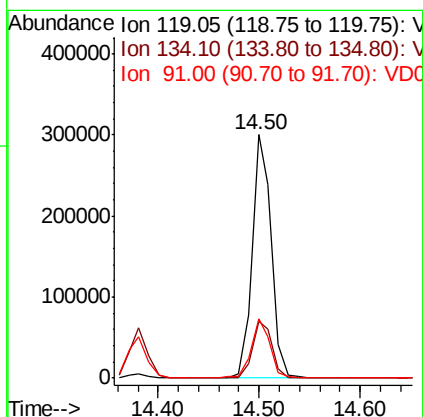
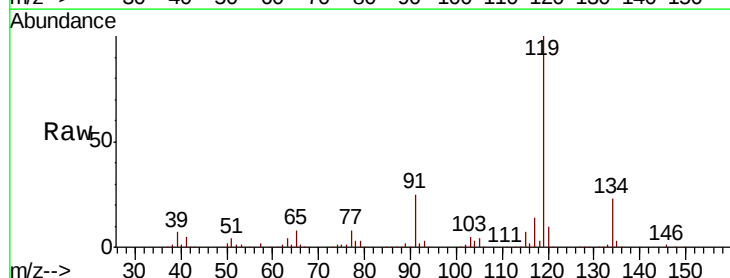
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Tot Ion:105 Resp: 436081
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.886 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion:119 Resp: 397121
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.8 38.3
 91 24.6 10.7 32.1

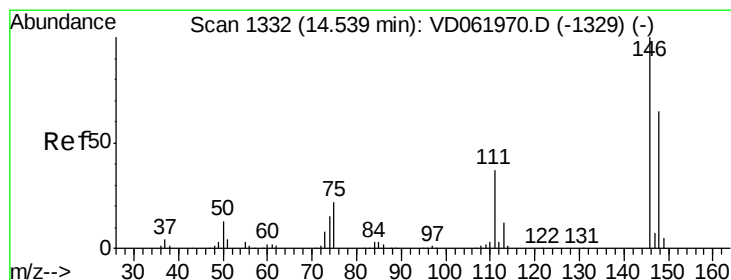
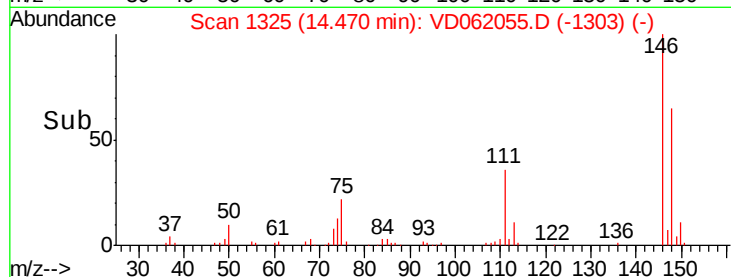
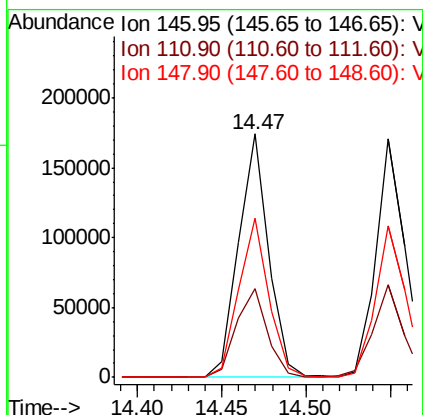
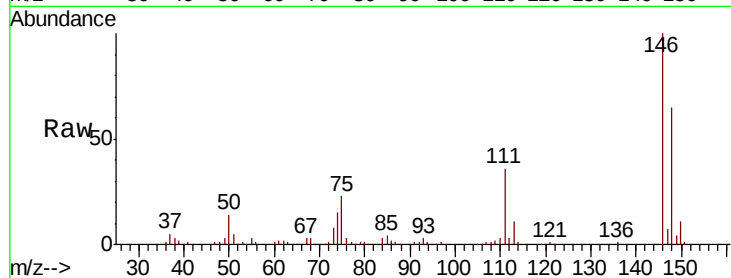




#87
 1,3-Dichlorobenzene
 Concen: 20.236 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

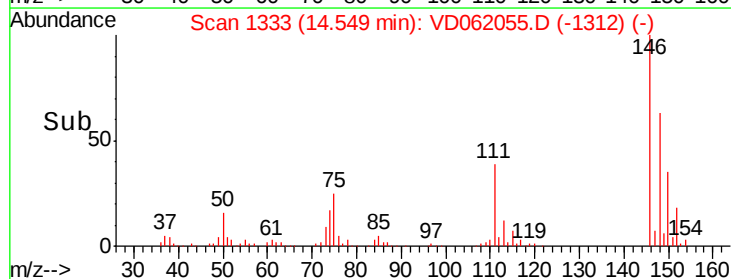
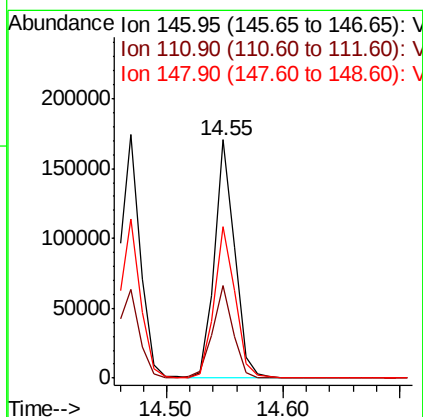
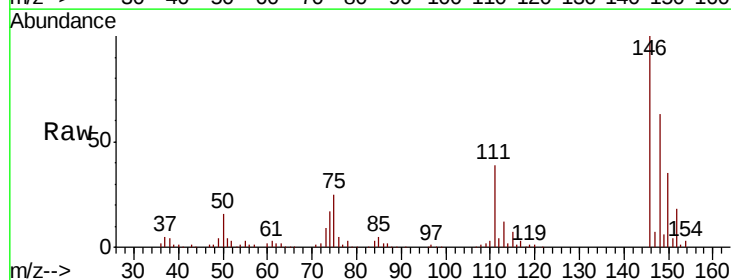
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

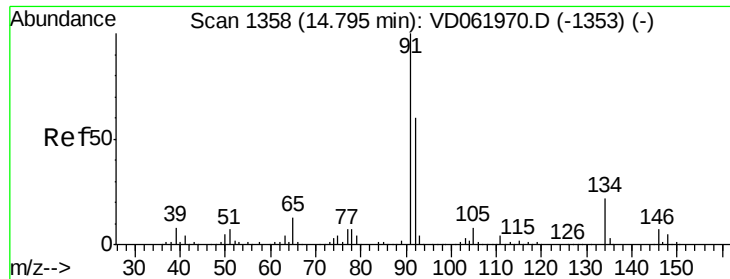
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.0	60.0
148	65.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.528 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.2	60.5
148	63.4	32.0	96.2

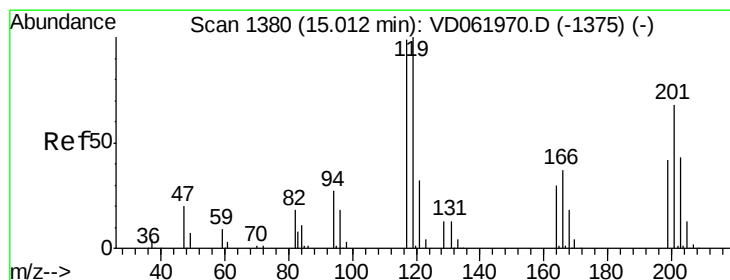
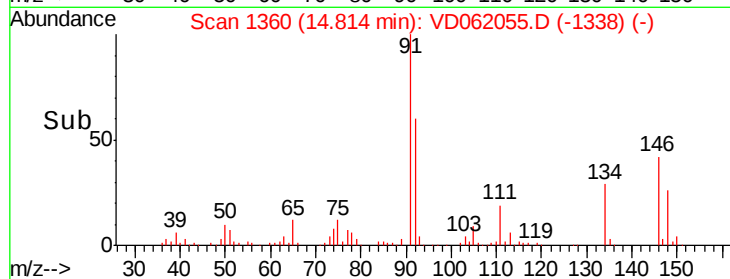
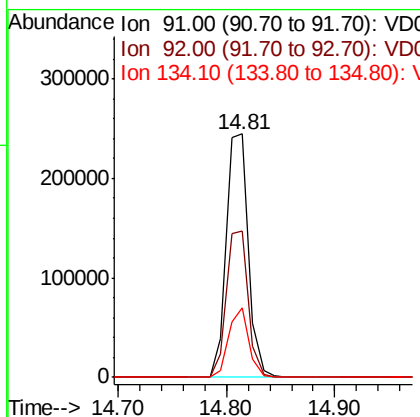
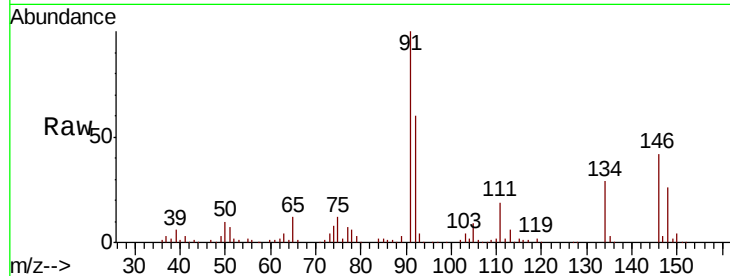




#89
n-Butylbenzene
Concen: 20.526 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

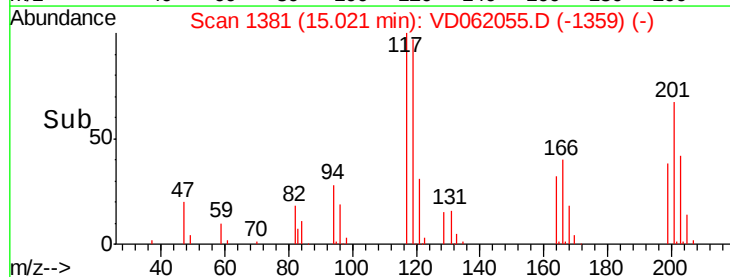
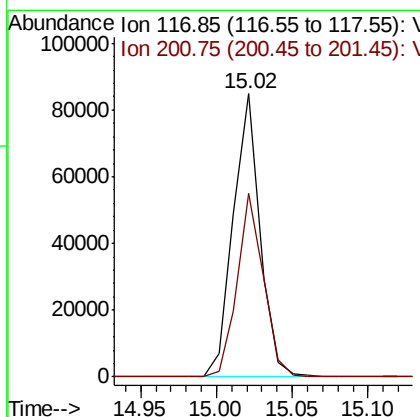
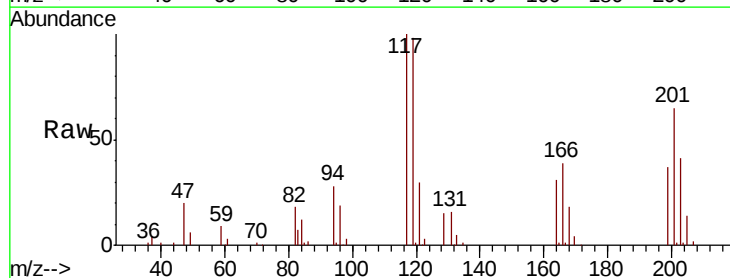
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion: 91 Resp: 350386
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 28.6 14.5 43.6



#90
Hexachloroethane
Concen: 20.158 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 117 Resp: 103644
Ion Ratio Lower Upper
117 100
201 64.8 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 20.557 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

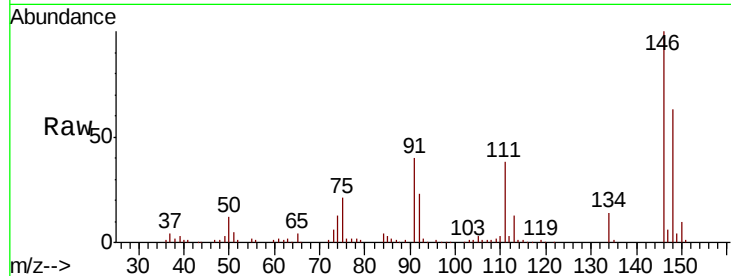
Tot Ion:146 Resp: 181332

Ion Ratio Lower Upper

146 100

111 37.8 20.0 59.9

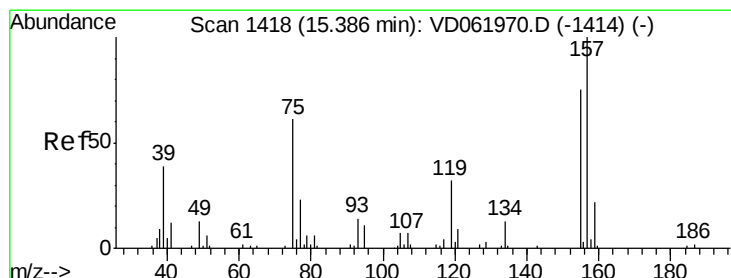
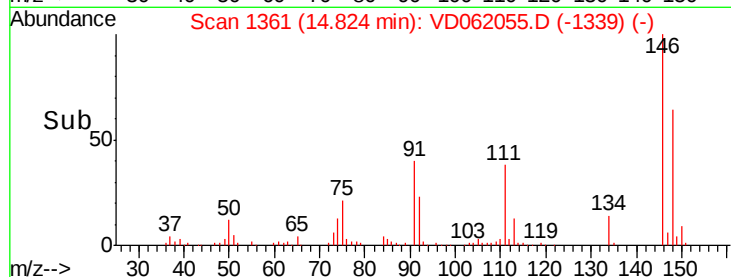
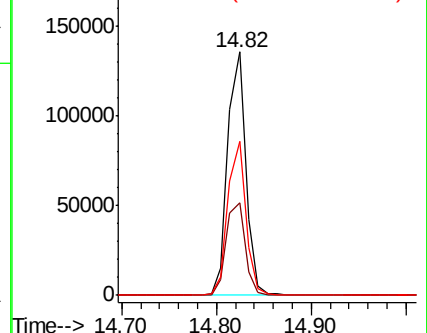
148 63.4 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.213 ug/l

RT: 15.40 min Scan# 1419

Delta R.T. 0.02 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

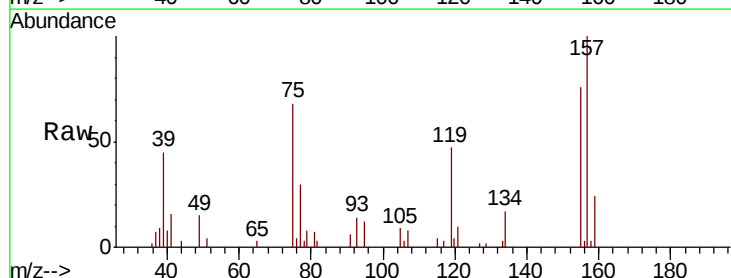
Tgt Ion: 75 Resp: 11435

Ion Ratio Lower Upper

75 100

155 112.2 55.3 165.8

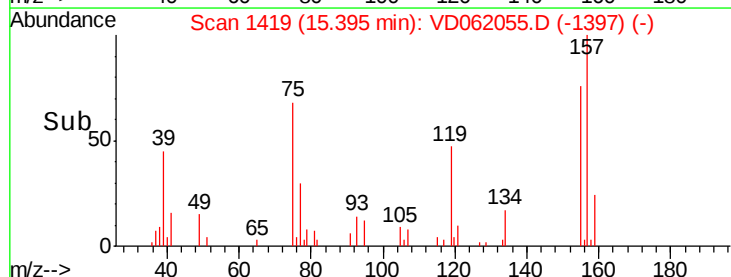
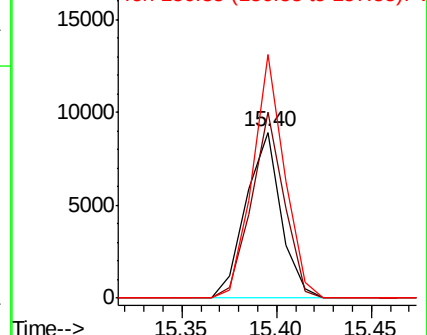
157 147.0 67.8 203.2

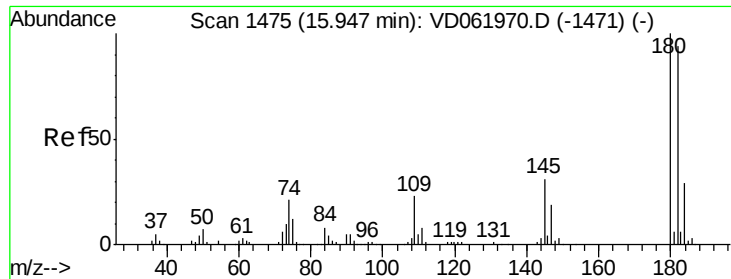


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

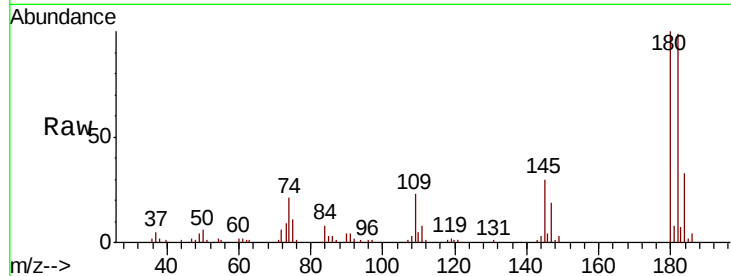




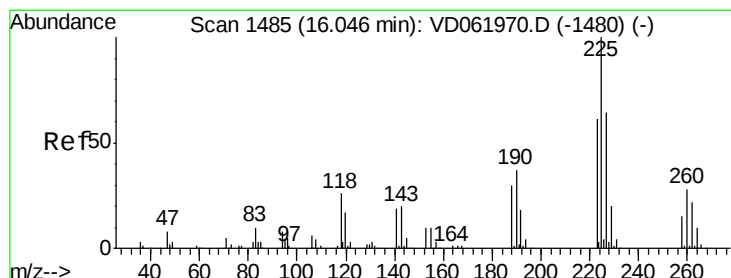
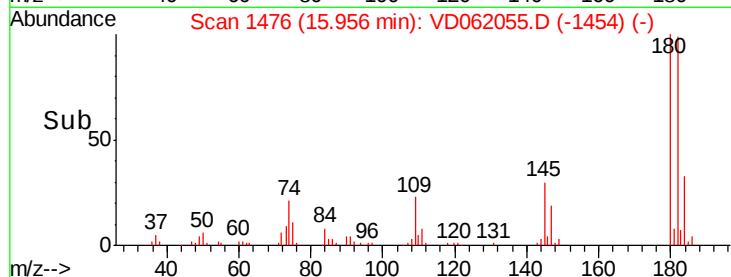
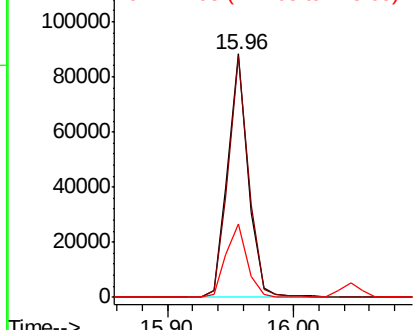
#93
 1,2,4-Trichlorobenzene
 Concen: 20.855 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	49.3	147.8
145	30.1	16.2	48.6

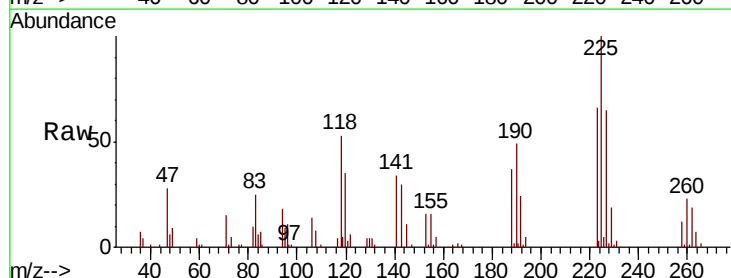


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

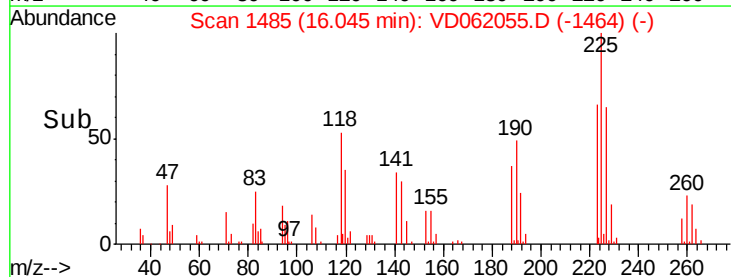
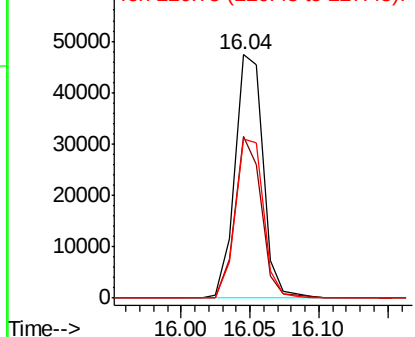


#94
 Hexachlorobutadiene
 Concen: 19.221 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	30.6	92.0
227	65.1	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

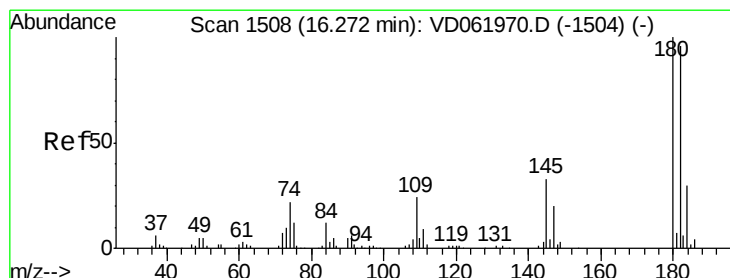
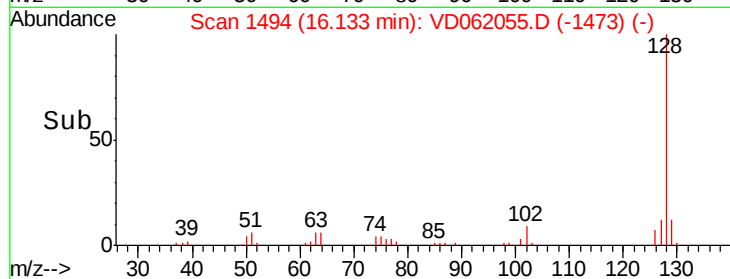
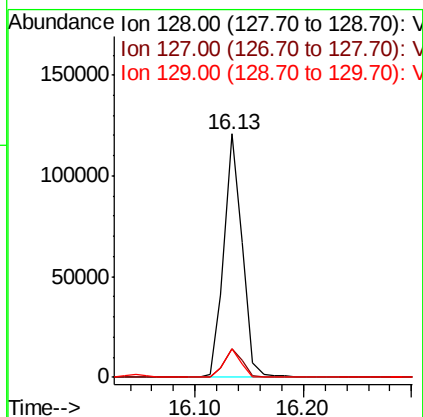
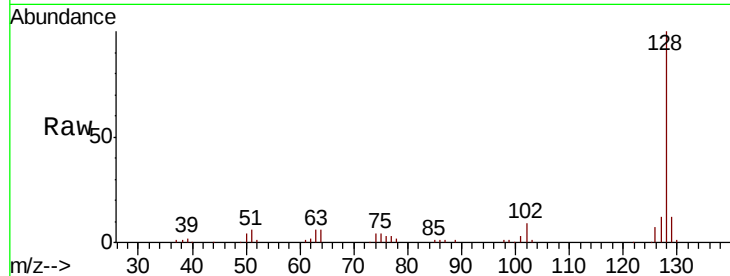




#95
Naphthalene
Concen: 18.642 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion:128 Resp: 143255
Ion Ratio Lower Upper
128 100
127 11.5 9.8 14.8
129 11.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.767 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:180 Resp: 61480
Ion Ratio Lower Upper
180 100
182 97.3 47.0 141.0
145 34.0 17.0 51.0

