

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD061370.D
 Acq On : 28 Mar 2019 1:19
 Operator : VA/AP
 Sample : VD0327SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

Quant Time: Mar 28 04:06:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	659552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.18	114	1129160	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	940962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	416533	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	294780	52.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	6.90	113	477926	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.38	98	1018103	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	13.54	95	414721	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.58	85	121946	17.313	ug/l 99
3) Chloromethane	1.75	50	102161	17.784	ug/l 96
4) Vinyl Chloride	1.85	62	93780	17.780	ug/l 95
5) Bromomethane	2.14	94	16344	15.626	ug/l # 91
6) Chloroethane	2.25	64	21363	13.811	ug/l 99
7) Trichlorofluoromethane	2.51	101	120794	15.749	ug/l 97
8) Diethyl Ether	2.86	74	46440	18.806	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	139958	16.973	ug/l 97
10) Methyl Iodide	3.29	142	166499	15.828	ug/l 97
11) Tert butyl alcohol	4.04	59	32077	91.419	ug/l 98
12) 1,1-Dichloroethene	3.12	96	127639	18.030	ug/l 92
13) Acrolein	3.02	56	35263	119.988	ug/l 97
14) Allyl chloride	3.60	41	171414	17.360	ug/l 95
15) Acrylonitrile	4.17	53	123409	101.335	ug/l 98
16) Acetone	3.20	43	104266	71.989	ug/l 100
17) Carbon Disulfide	3.36	76	398006	17.304	ug/l 100
18) Methyl Acetate	3.62	43	58380	19.171	ug/l # 87
19) Methyl tert-butyl Ether	4.21	73	241369	19.696	ug/l 100
20) Methylene Chloride	3.79	84	161847	18.747	ug/l 88
21) trans-1,2-Dichloroethene	4.19	96	140388	18.368	ug/l 97
22) Diisopropyl ether	5.09	45	394762	18.893	ug/l 96
23) Vinyl Acetate	5.02	43	1066682	93.980	ug/l 98
24) 1,1-Dichloroethane	4.96	63	211162	17.196	ug/l 99
25) 2-Butanone	6.03	43	152118	83.494	ug/l 98
26) 2,2-Dichloropropane	6.00	77	157566	16.141	ug/l 96
27) cis-1,2-Dichloroethene	6.01	96	153209	18.296	ug/l 99
28) Bromochloromethane	6.40	49	106966	21.579	ug/l # 99
29) Tetrahydrofuran	6.42	42	93823	106.247	ug/l 98
30) Chloroform	6.63	83	239088	18.843	ug/l 98
31) Cyclohexane	6.92	56	170147	17.534	ug/l 98
32) 1,1,1-Trichloroethane	6.84	97	203983	18.222	ug/l 98
36) 1,1-Dichloropropene	7.11	75	163685	16.609	ug/l 96
37) Ethyl Acetate	6.15	43	79582	18.882	ug/l 95
38) Carbon Tetrachloride	7.08	117	194118	17.299	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	180632	17.599	ug/l	97
40) Benzene	7.43	78	437132	17.674	ug/l	98
41) Methacrylonitrile	6.41	41	97955	19.877	ug/l #	98
42) 1,2-Dichloroethane	7.55	62	142211	19.222	ug/l	99
43) Isopropyl Acetate	9.21	43	112929	18.415	ug/l	98
44) Trichloroethene	8.51	130	161946	17.594	ug/l	96
45) 1,2-Dichloropropane	8.91	63	118523	18.898	ug/l	99
46) Dibromomethane	9.03	93	81764	19.369	ug/l	92
47) Bromodichloromethane	9.35	83	163175	17.223	ug/l	100
48) Methyl methacrylate	9.09	41	62498	18.467	ug/l	99
49) 1,4-Dioxane	9.05	88	14151	379.083	ug/l	91
51) 4-Methyl-2-Pentanone	10.27	43	386015	103.464	ug/l	98
52) Toluene	10.48	92	270470	17.925	ug/l	98
53) t-1,3-Dichloropropene	10.88	75	160832	18.684	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	193364	18.448	ug/l	96
55) 1,1,2-Trichloroethane	11.16	97	102665	19.455	ug/l	96
56) Ethyl methacrylate	11.01	69	101699	17.940	ug/l	95
57) 1,3-Dichloropropane	11.37	76	146493	18.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.83	63	304830	110.416	ug/l	100
59) 2-Hexanone	11.50	43	259224	95.897	ug/l	99
60) Dibromochloromethane	11.66	129	154458	18.987	ug/l	95
61) 1,2-Dibromoethane	11.78	107	114729	18.776	ug/l	99
64) Tetrachloroethene	11.23	164	119268	16.150	ug/l	100
65) Chlorobenzene	12.38	112	350531	18.228	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.49	131	139388	18.721	ug/l	97
67) Ethyl Benzene	12.50	91	524749	17.878	ug/l	95
68) m/p-Xylenes	12.64	106	408137	36.707	ug/l	95
69) o-Xylene	13.03	106	182438	16.908	ug/l	94
70) Styrene	13.06	104	331617	17.631	ug/l	99
71) Bromoform	13.22	173	84592	17.922	ug/l	98
73) Isopropylbenzene	13.38	105	530518	18.300	ug/l	99
74) N-amyl acetate	13.24	43	147670	18.285	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	107127	17.517	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	104876	17.430	ug/l	98
77) Bromobenzene	13.65	156	146551	17.052	ug/l	94
78) n-propylbenzene	13.76	91	601565	16.956	ug/l	99
79) 2-Chlorotoluene	13.83	91	335850	17.435	ug/l	99
80) 1,3,5-Trimethylbenzene	14.22	105	426760	17.525	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.45	75	31629	17.241	ug/l	90
82) 4-Chlorotoluene	13.93	91	416109	19.866	ug/l	100
83) tert-Butylbenzene	14.17	119	514801	18.314	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	426760	17.525	ug/l	98
85) sec-Butylbenzene	14.35	105	508902	17.041	ug/l	98
86) p-Isopropyltoluene	14.48	119	459431	18.194	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	245667	16.880	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	260177	18.332	ug/l	99
89) n-Butylbenzene	14.78	91	432322	18.653	ug/l	99
90) Hexachloroethane	15.00	117	121680	17.057	ug/l	100
91) 1,2-Dichlorobenzene	14.79	146	240218	20.123	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.36	75	13491	18.809	ug/l	92

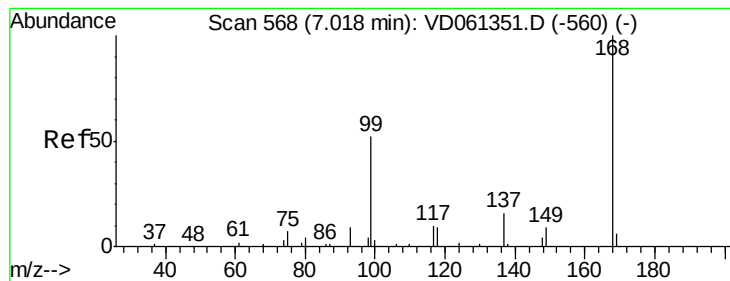
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	111705	20.541	ug/l	96
94) Hexachlorobutadiene	16.02	225	83412	19.629	ug/l	100
95) Naphthalene	16.11	128	157064	18.949	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	57835	24.169	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

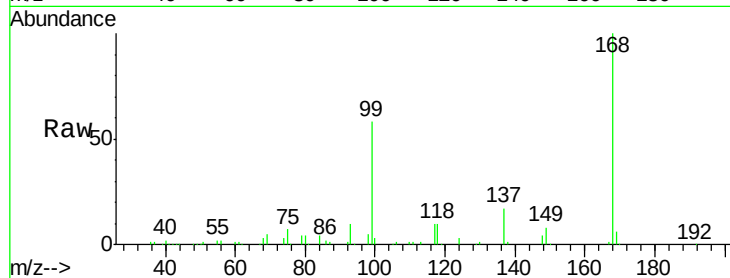
VD0327SBS02

Tot Ion:168 Resp: 659552

Ion Ratio Lower Upper

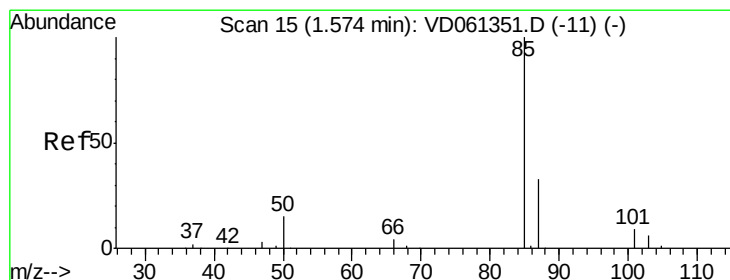
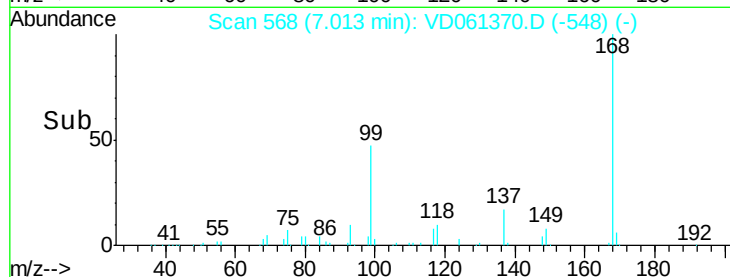
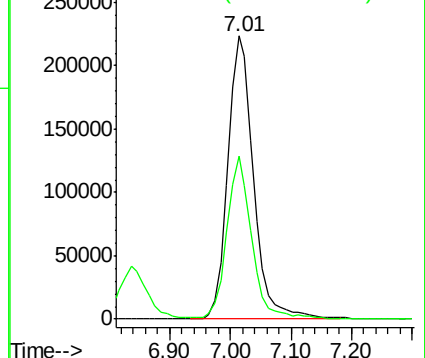
168 100

99 57.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.313 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061370.D

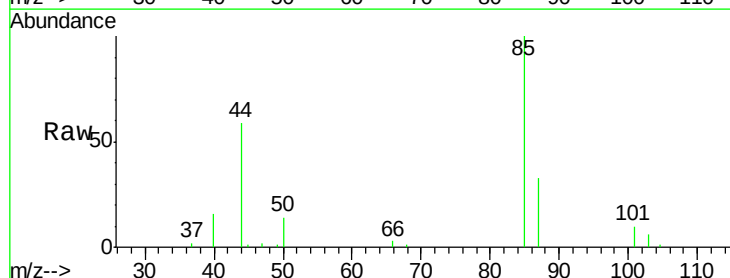
Acq: 28 Mar 2019 1:19

Tgt Ion: 85 Resp: 121946

Ion Ratio Lower Upper

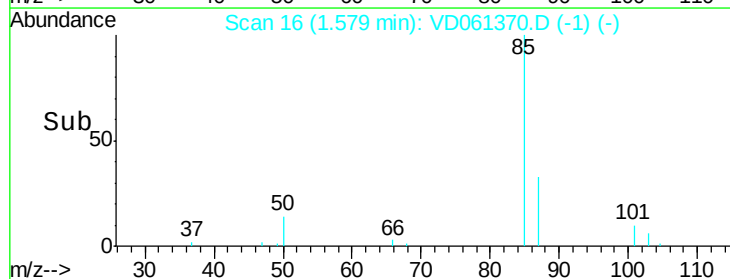
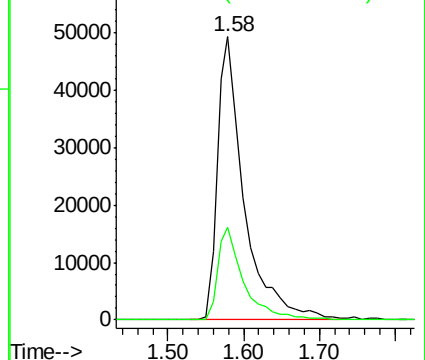
85 100

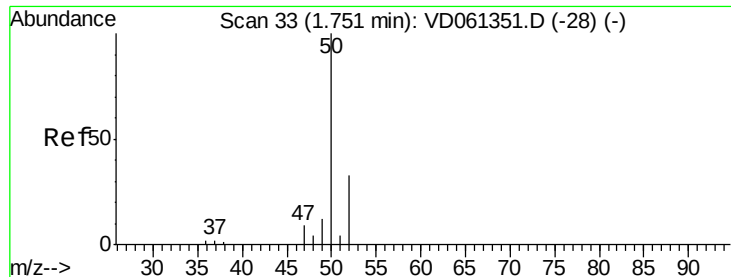
87 32.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.784 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

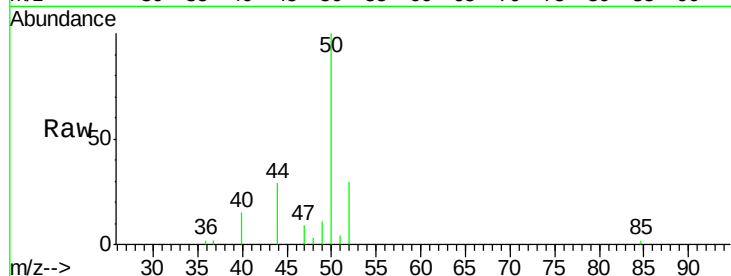
VD0327SBS02

Tot Ion: 50 Resp: 102161

Ion Ratio Lower Upper

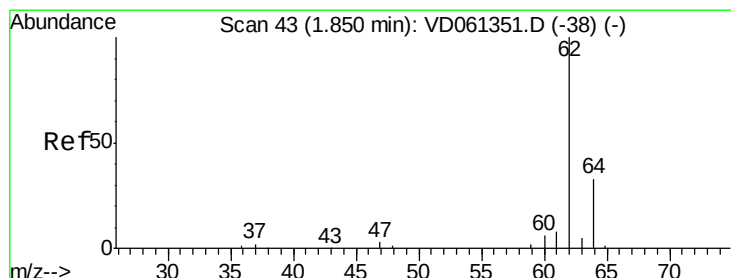
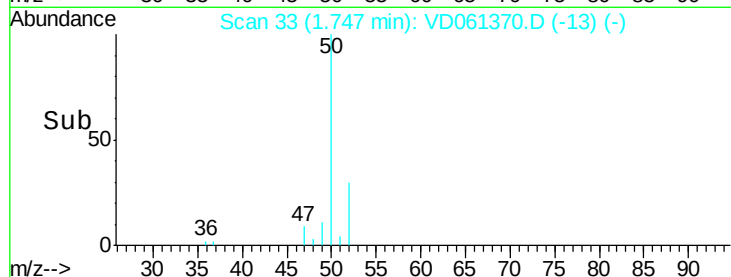
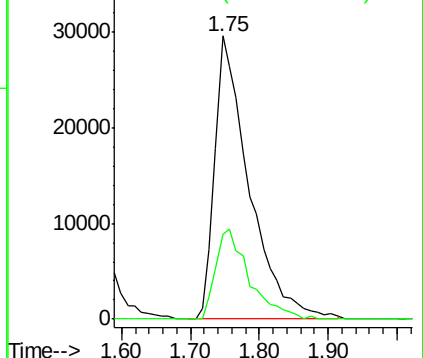
50 100

52 30.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.780 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061370.D

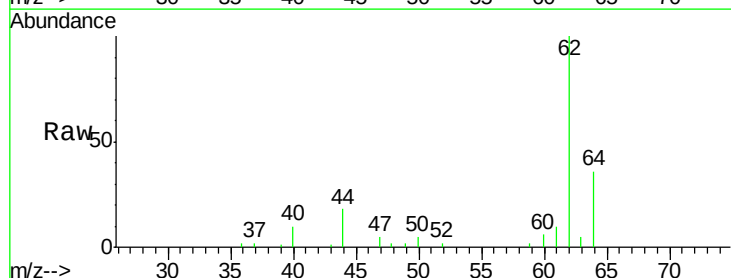
Acq: 28 Mar 2019 1:19

Tgt Ion: 62 Resp: 93780

Ion Ratio Lower Upper

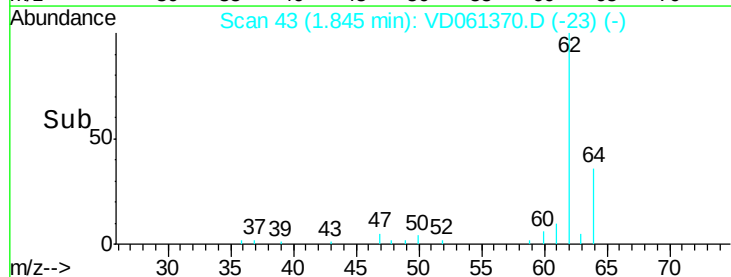
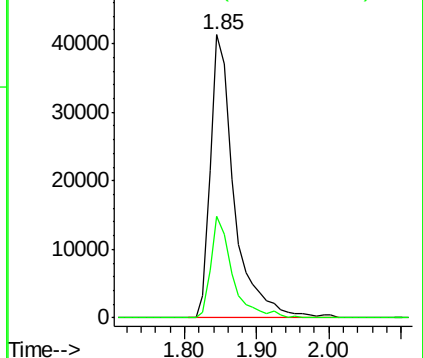
62 100

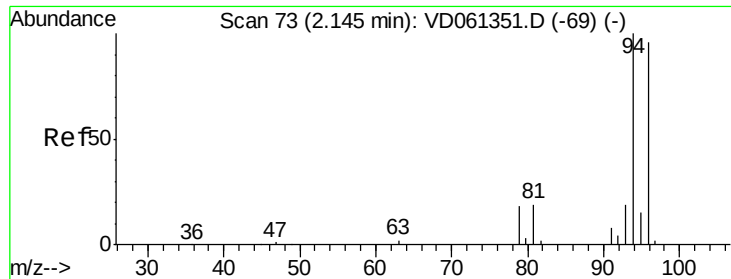
64 36.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.626 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

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ClientSampleId :

VD0327SBS02

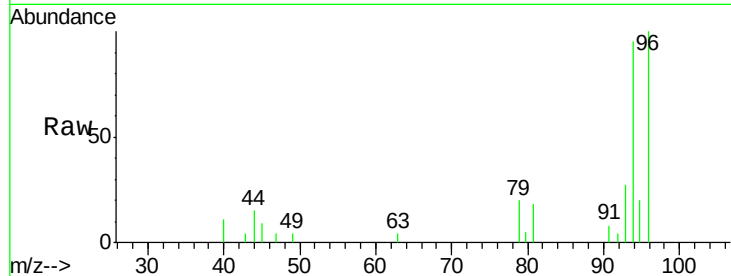
Tot Ion: 94 Resp: 16344

Ion Ratio Lower Upper

94 100

96 105.2 78.3 117.5

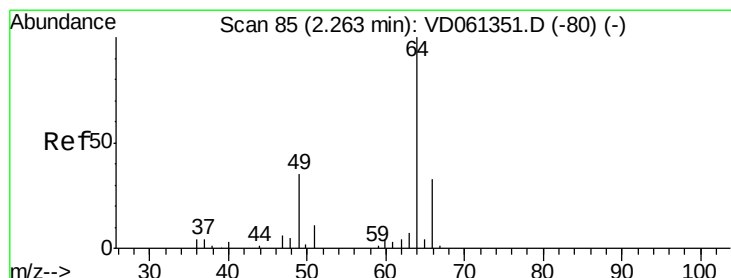
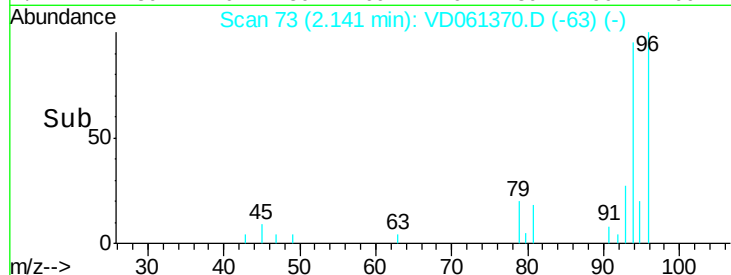
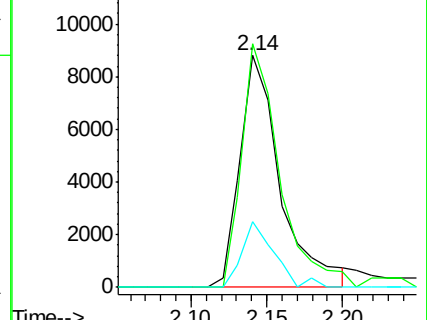
93 28.2 15.6 23.4#



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: 13.811 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061370.D

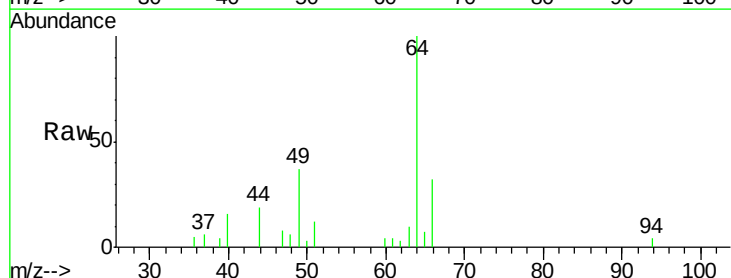
Acq: 28 Mar 2019 1:19

Tgt Ion: 64 Resp: 21363

Ion Ratio Lower Upper

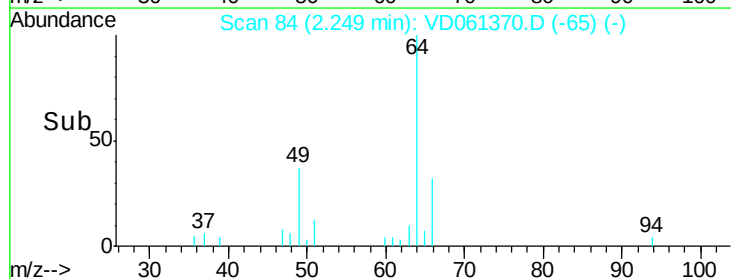
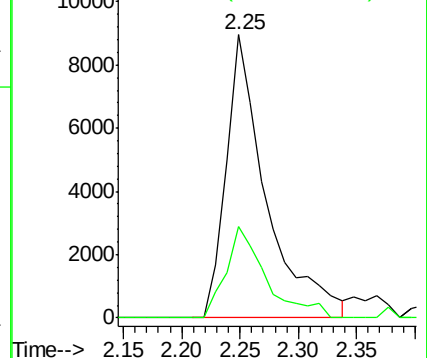
64 100

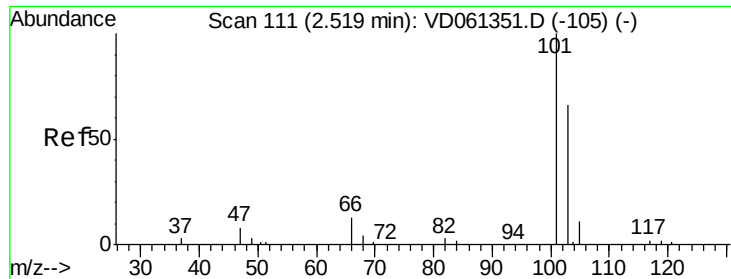
66 32.2 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



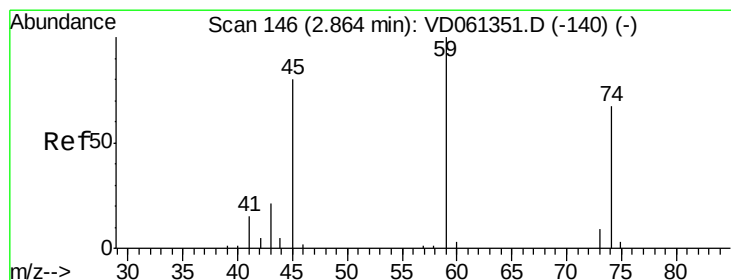
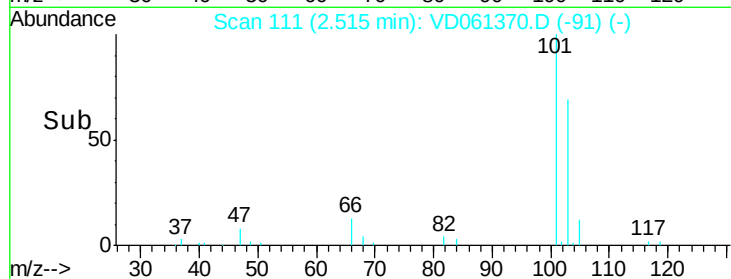
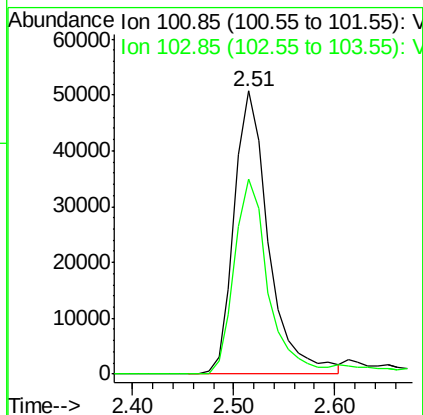
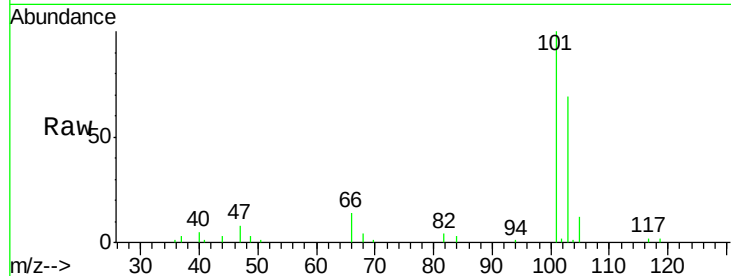


#7

Trichlorofluoromethane
 Concen: 15.749 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Instrument :
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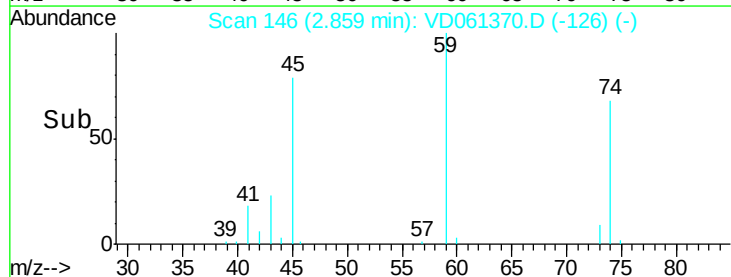
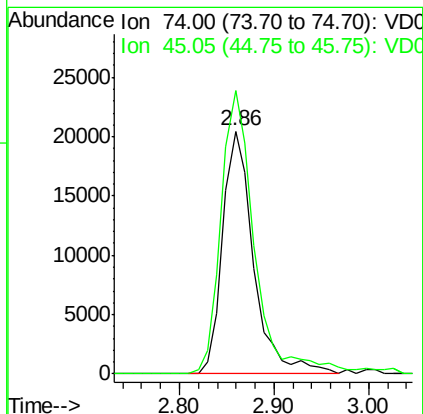
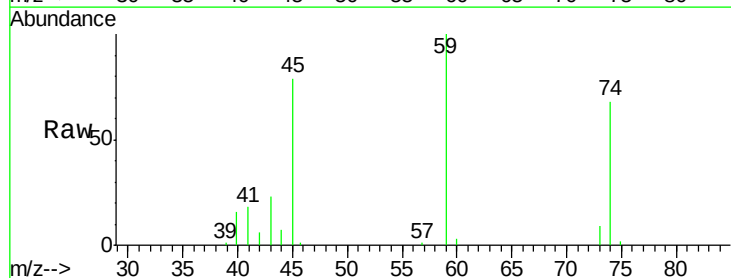
Tot Ion:101 Resp: 120794
 Ion Ratio Lower Upper
 101 100
 103 68.9 53.1 79.7

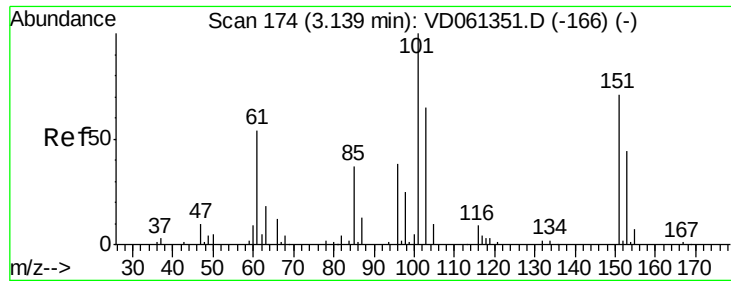


#8

Diethyl Ether
 Concen: 18.806 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion: 74 Resp: 46440
 Ion Ratio Lower Upper
 74 100
 45 118.4 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.973 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

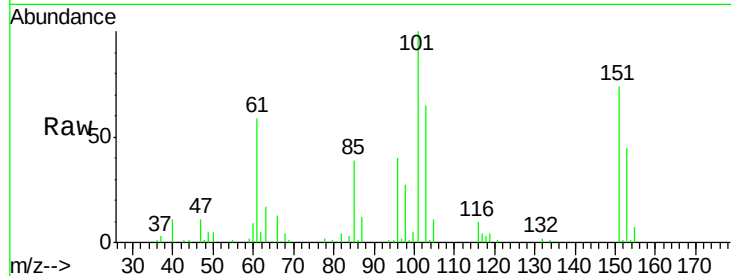
Tot Ion:101 Resp: 139958

Ion Ratio Lower Upper

101 100

85 38.6 29.4 44.0

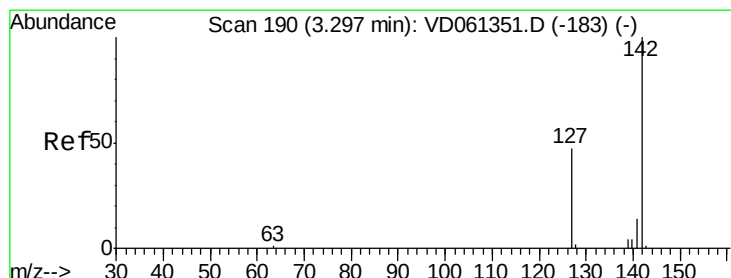
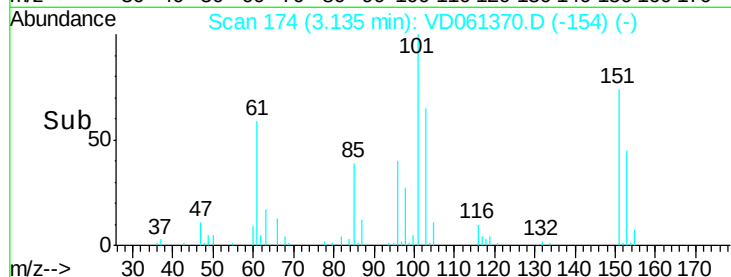
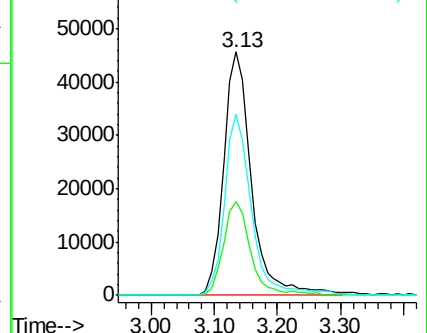
151 74.2 57.0 85.4



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: 15.828 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

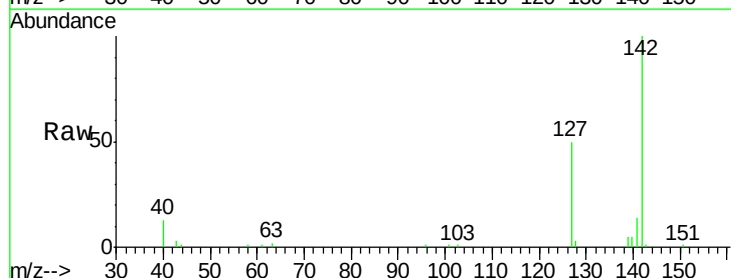
Tgt Ion:142 Resp: 166499

Ion Ratio Lower Upper

142 100

127 49.7 37.7 56.5

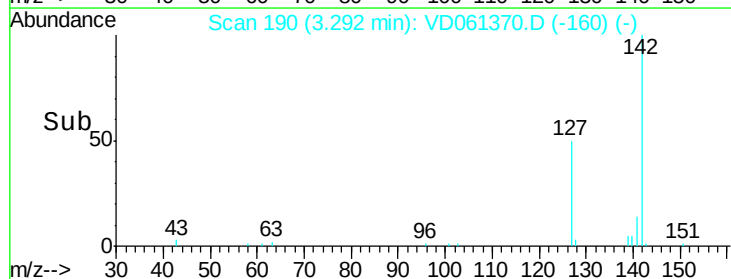
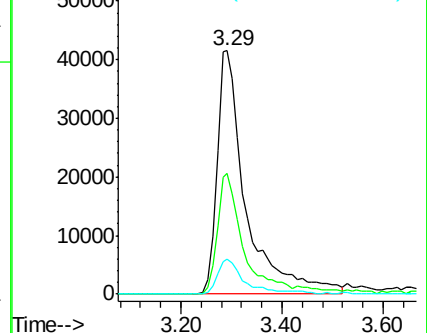
141 14.3 11.5 17.3

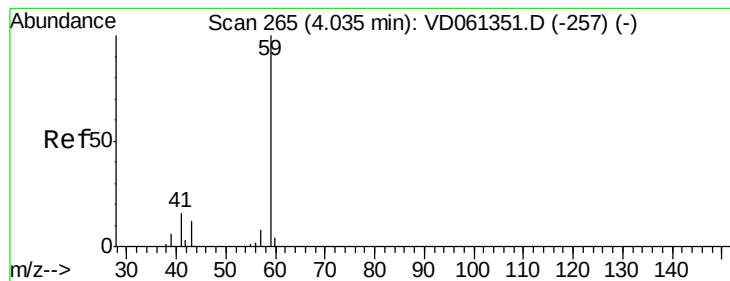


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



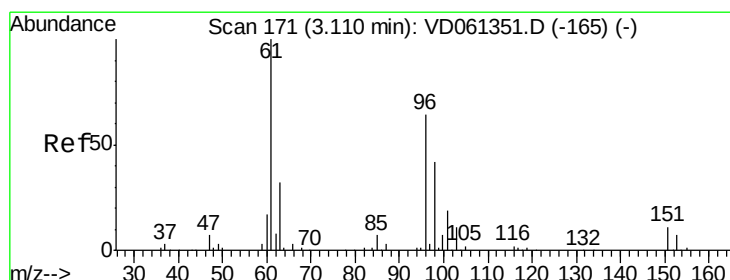
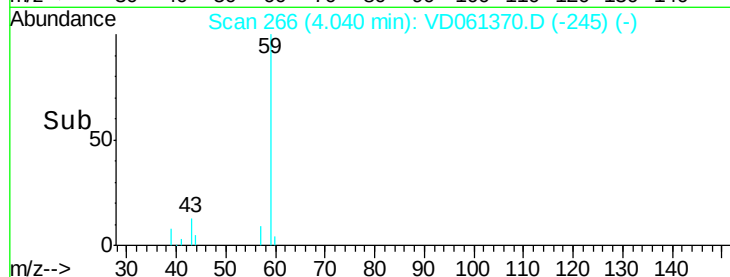
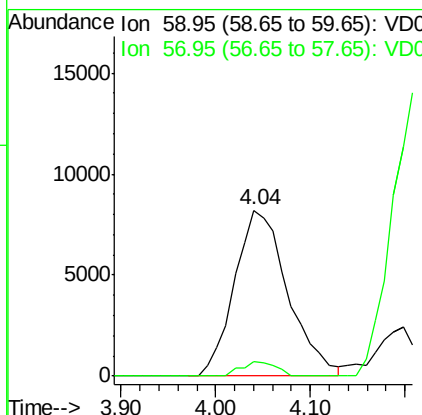
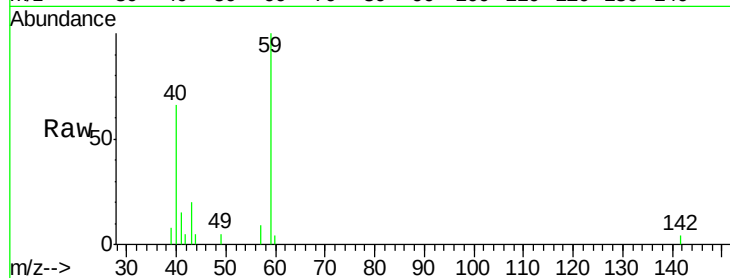


#11

Tert butyl alcohol
Concen: 91.419 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

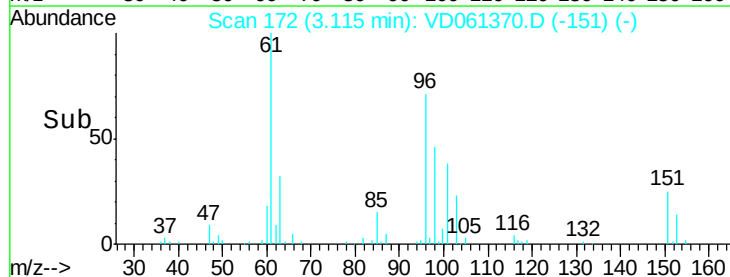
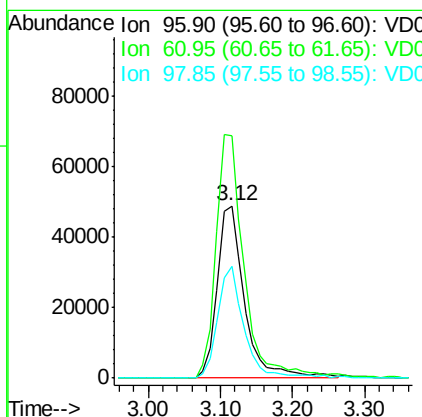
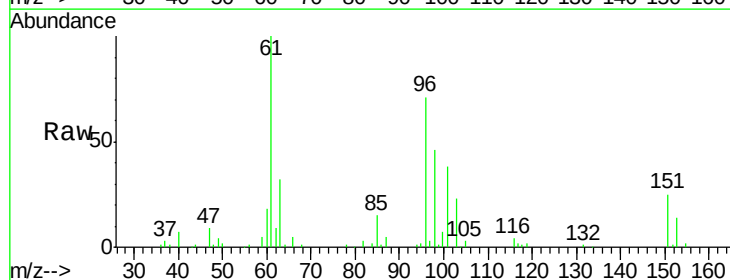
Tot Ion: 59 Resp: 32077
Ion Ratio Lower Upper
59 100
57 9.0 6.7 10.1

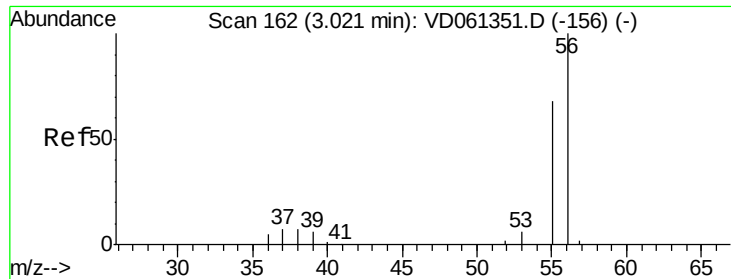


#12

1,1-Dichloroethene
Concen: 18.030 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 96 Resp: 127639
Ion Ratio Lower Upper
96 100
61 141.0 124.9 187.3
98 64.8 52.5 78.7

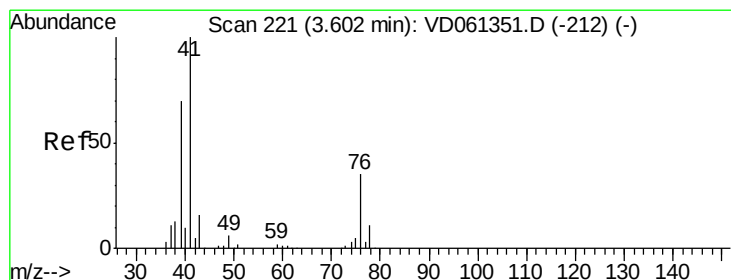
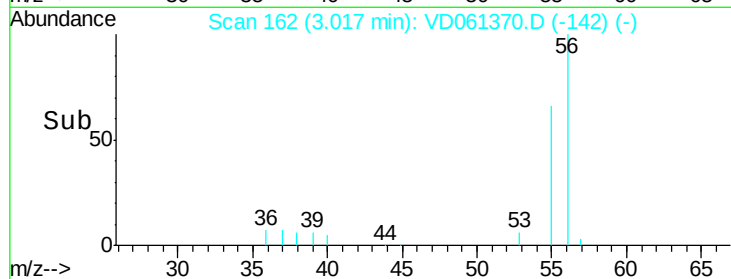
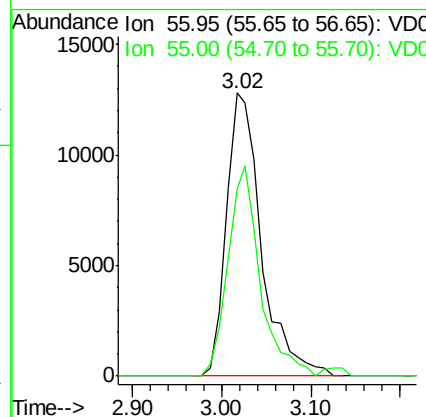
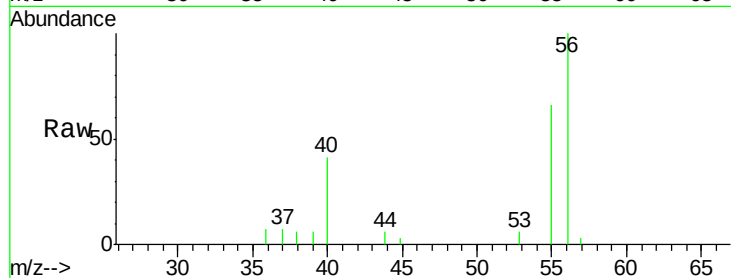




#13
Acrolein
Concen: 119.988 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

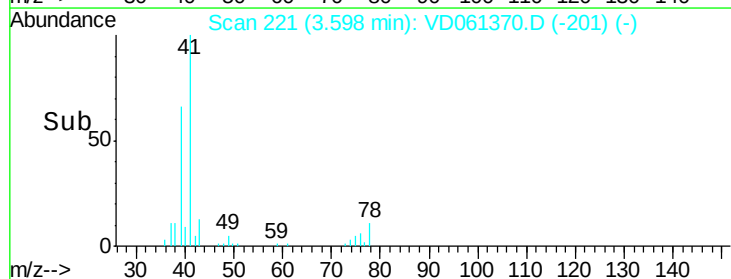
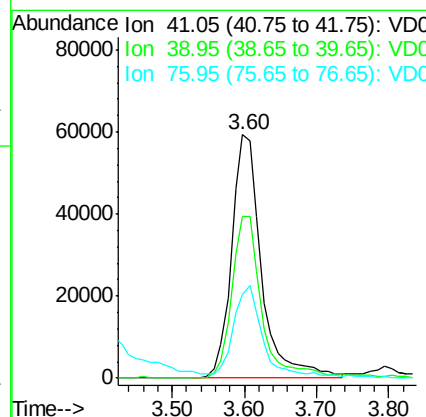
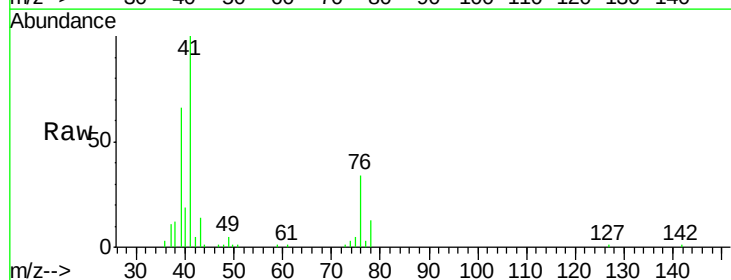
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

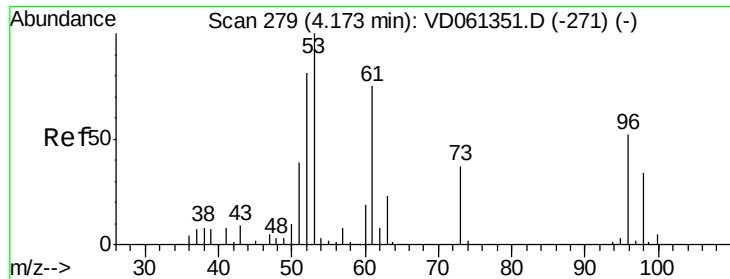
Tot Ion: 56 Resp: 35263
Ion Ratio Lower Upper
56 100
55 66.2 54.6 82.0



#14
Allyl chloride
Concen: 17.360 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 41 Resp: 171414
Ion Ratio Lower Upper
41 100
39 66.4 55.6 83.4
76 34.3 31.0 46.6





#15

Acrylonitrile

Concen: 101.335 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD02

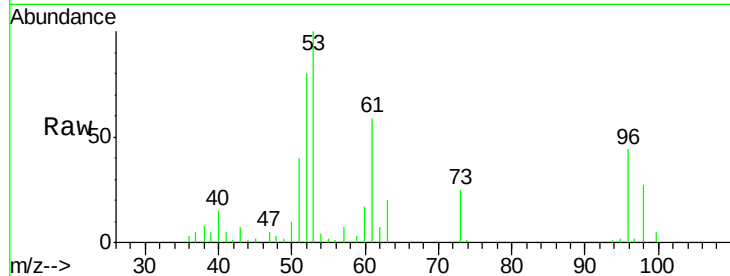
Tot Ion: 53 Resp: 123409

Ion Ratio Lower Upper

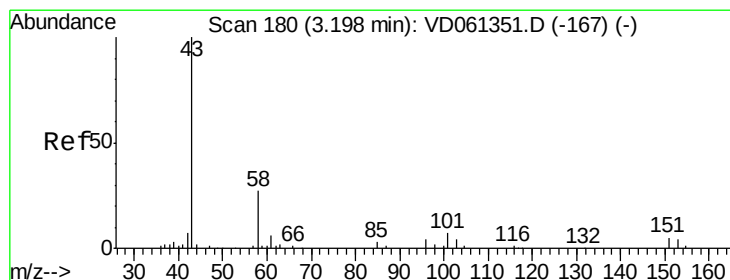
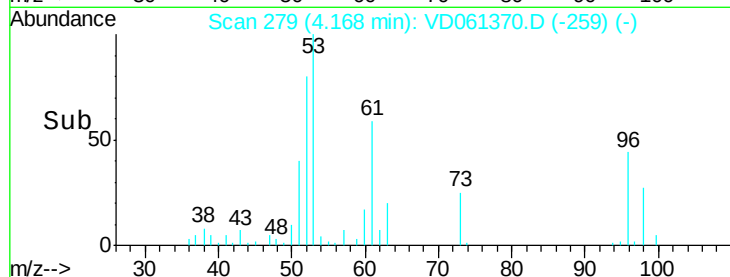
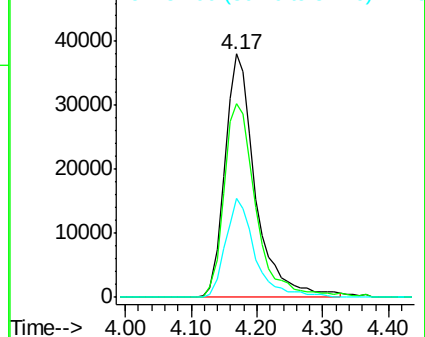
53 100

52 79.7 64.8 97.2

51 40.5 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 71.989 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061370.D

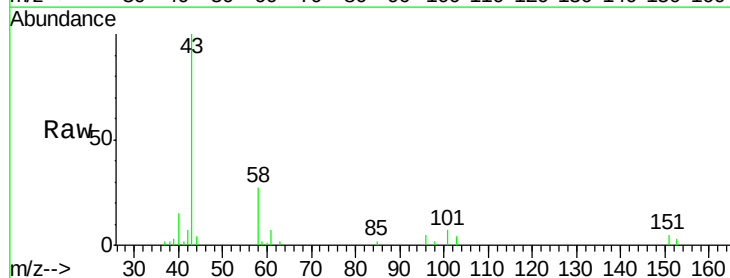
Acq: 28 Mar 2019 1:19

Tgt Ion: 43 Resp: 104266

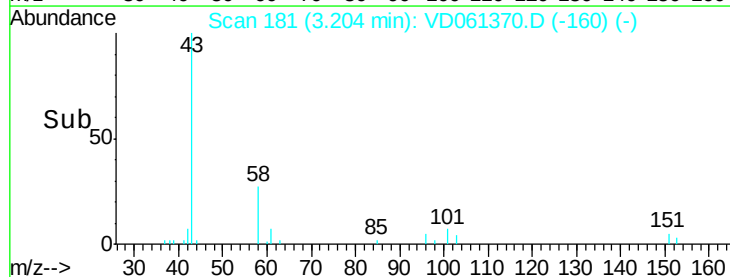
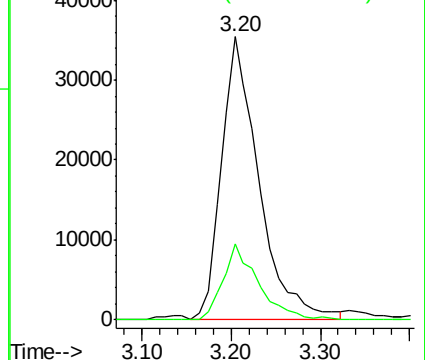
Ion Ratio Lower Upper

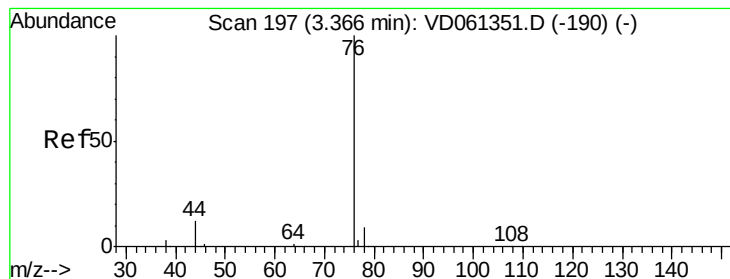
43 100

58 26.9 21.5 32.3



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





#17

Carbon Disulfide

Concen: 17.304 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

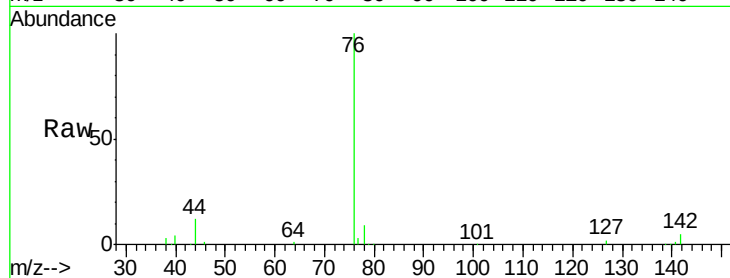
VD0327SBSD02

Tot Ion: 76 Resp: 398006

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

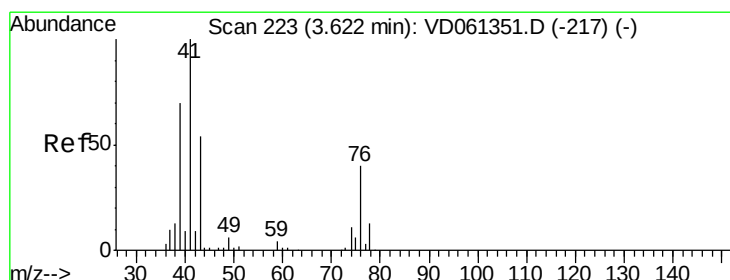
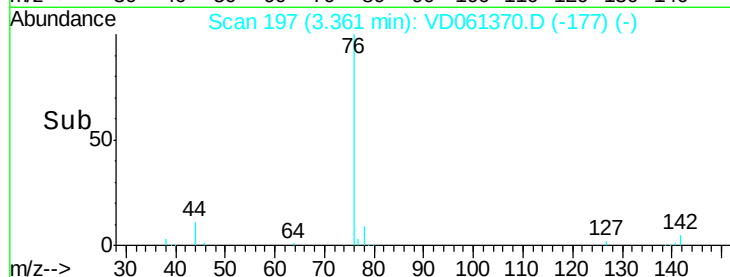
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.171 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061370.D

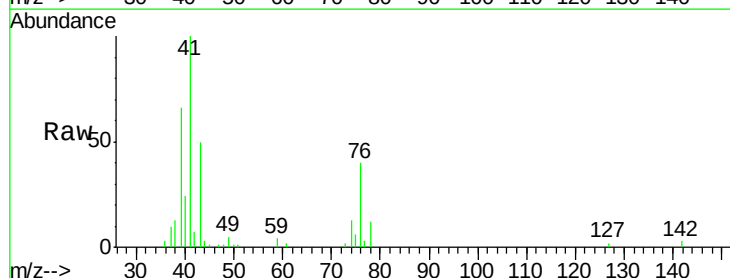
Acq: 28 Mar 2019 1:19

Tgt Ion: 43 Resp: 58380

Ion Ratio Lower Upper

43 100

74 27.1 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

20000

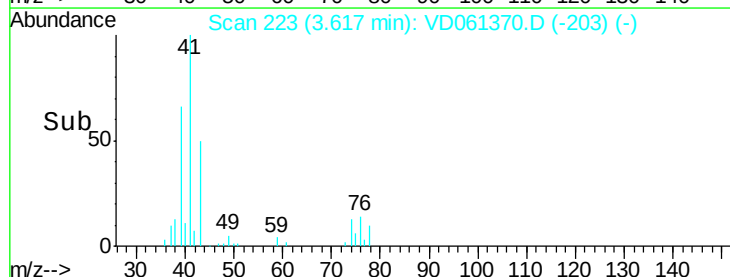
15000

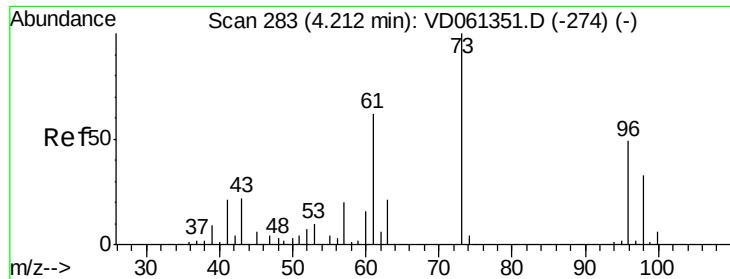
10000

5000

0

Time-->

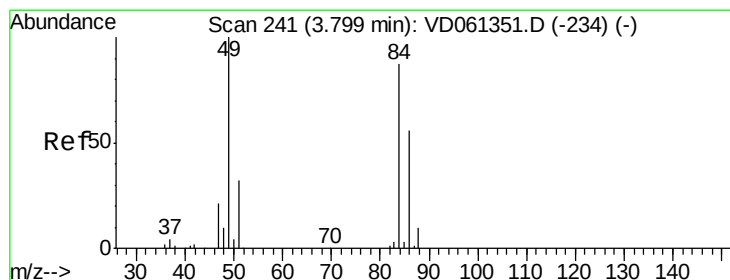
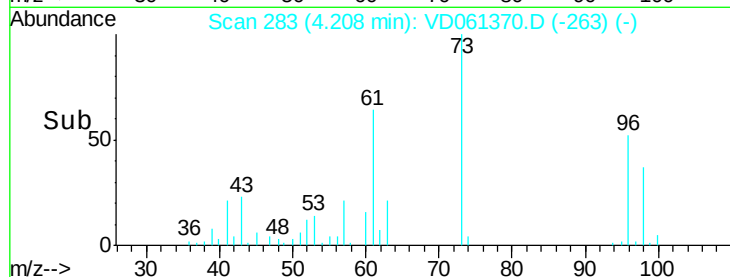
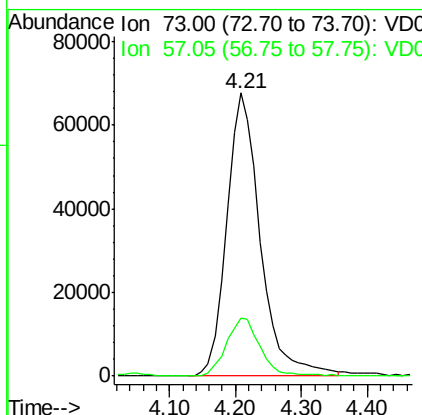
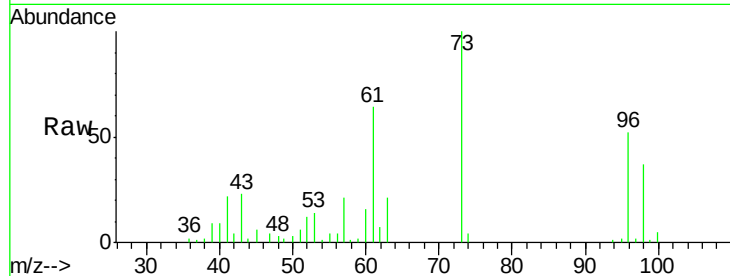




#19
Methyl tert-butyl Ether
Concen: 19.696 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

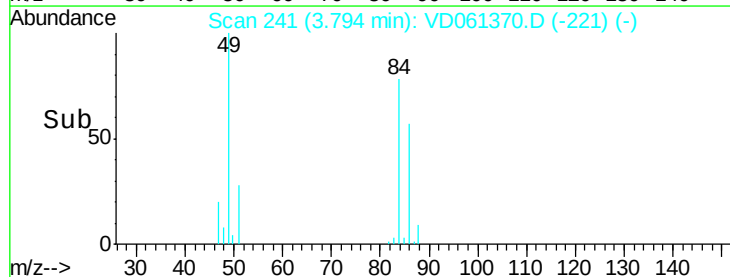
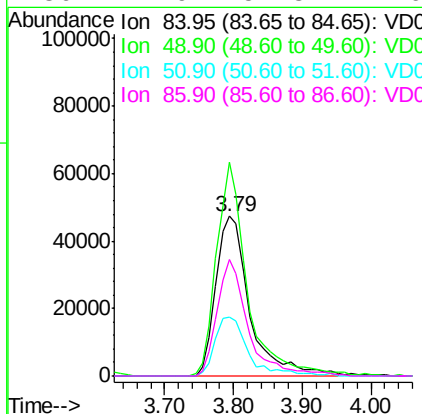
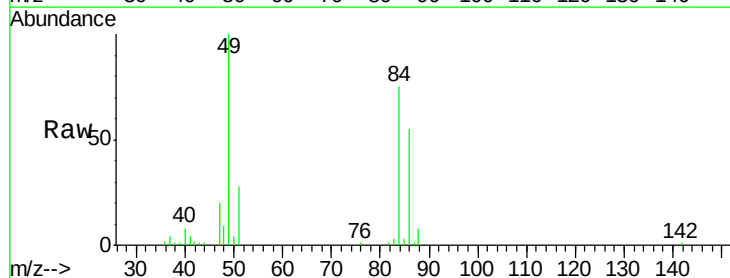
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

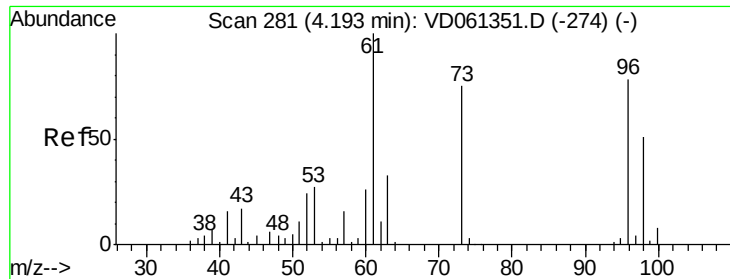
Tot Ion: 73 Resp: 241369
Ion Ratio Lower Upper
73 100
57 20.7 16.4 24.6



#20
Methylene Chloride
Concen: 18.747 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 84 Resp: 161847
Ion Ratio Lower Upper
84 100
49 133.7 91.8 137.8
51 37.1 29.8 44.8
86 72.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.368 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD02

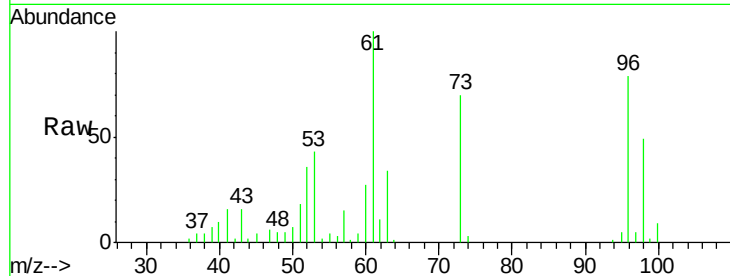
Tot Ion: 96 Resp: 140388

Ion Ratio Lower Upper

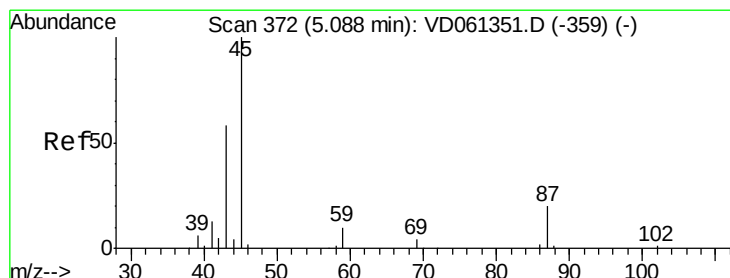
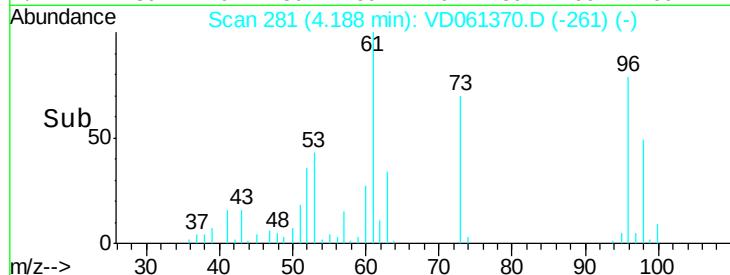
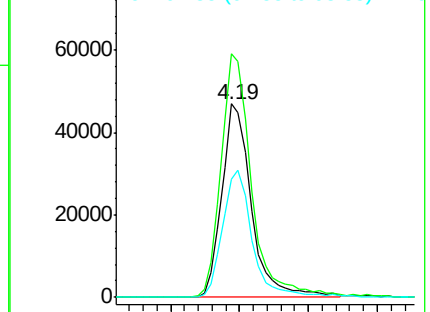
96 100

61 125.8 102.7 154.1

98 61.3 52.2 78.4



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: 18.893 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Tgt Ion: 45 Resp: 394762

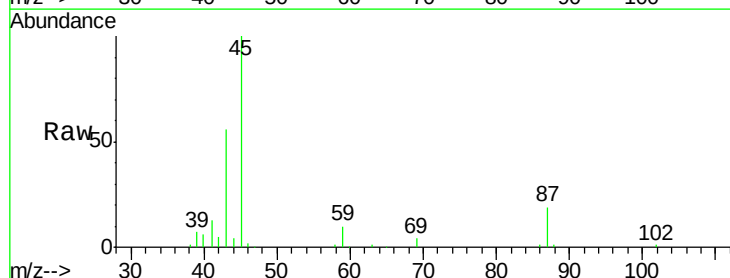
Ion Ratio Lower Upper

45 100

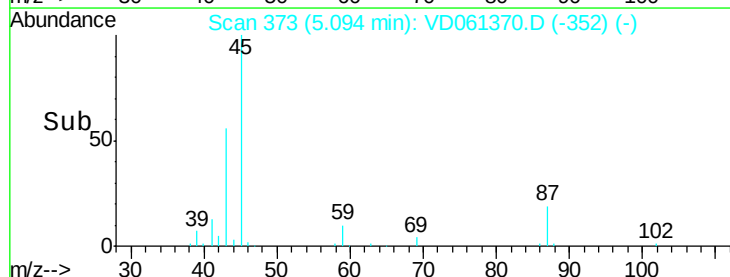
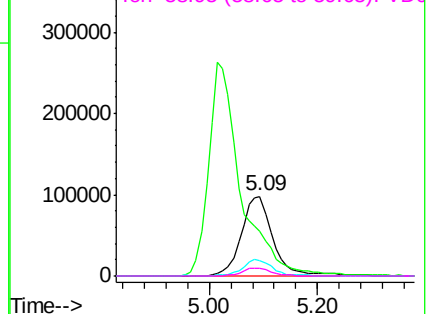
43 56.1 47.4 71.2

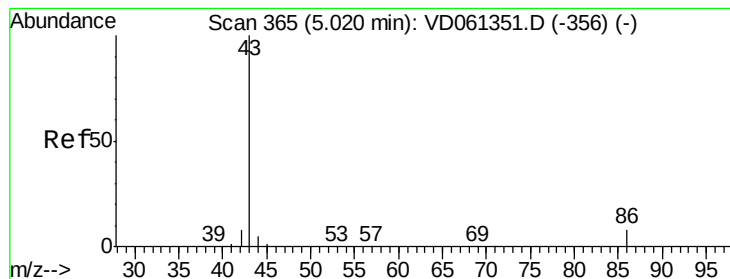
87 18.9 16.3 24.5

59 9.9 8.4 12.6



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: 93.980 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

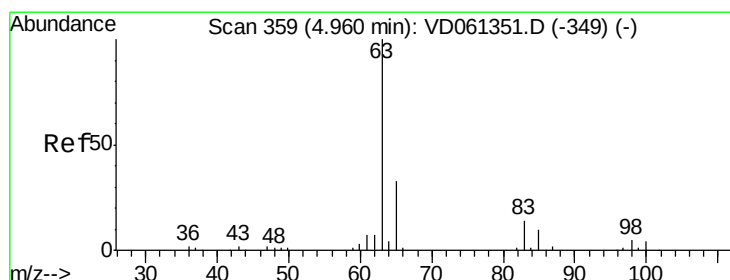
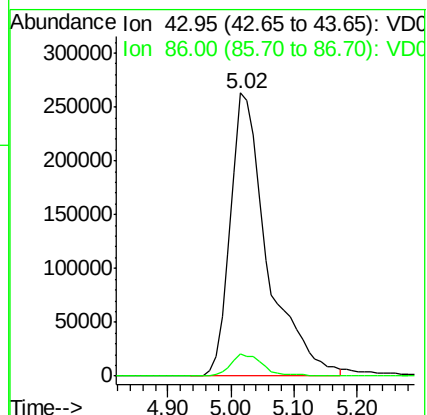
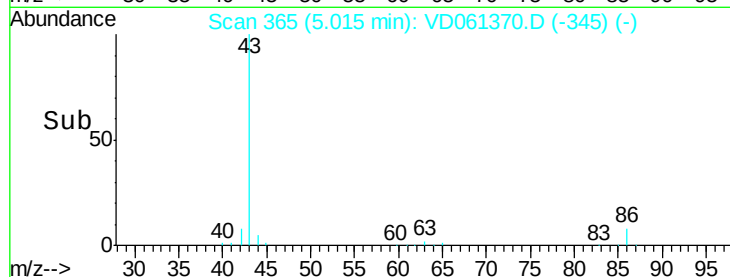
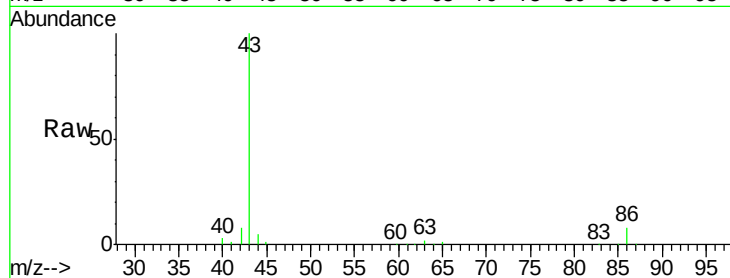
VD0327SBS02

Tot Ion: 43 Resp: 1066682

Ion Ratio Lower Upper

43 100

86 7.8 6.7 10.1



#24

1,1-Dichloroethane

Concen: 17.196 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

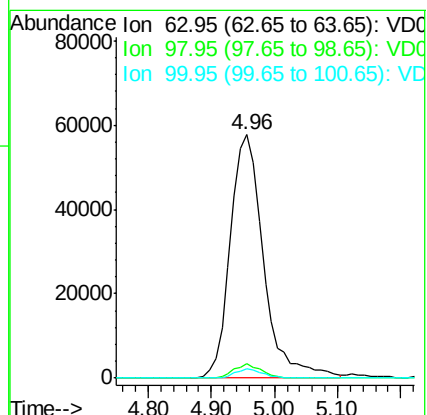
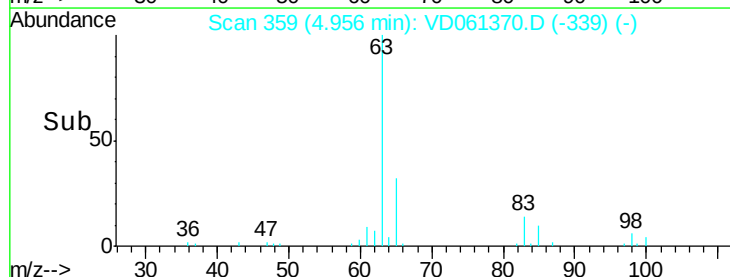
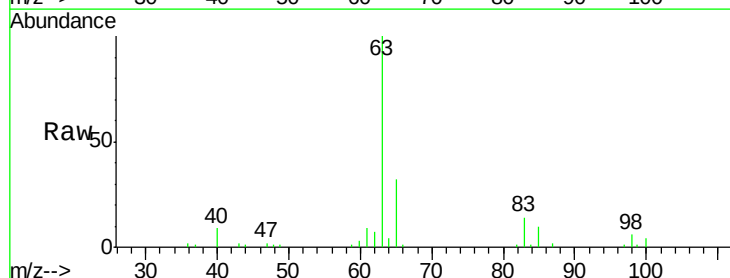
Tgt Ion: 63 Resp: 211162

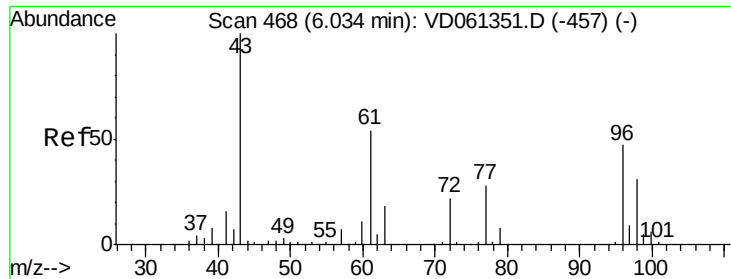
Ion Ratio Lower Upper

63 100

98 5.8 2.6 8.0

100 3.8 1.8 5.3





#25

2-Butanone

Concen: 83.494 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleID :

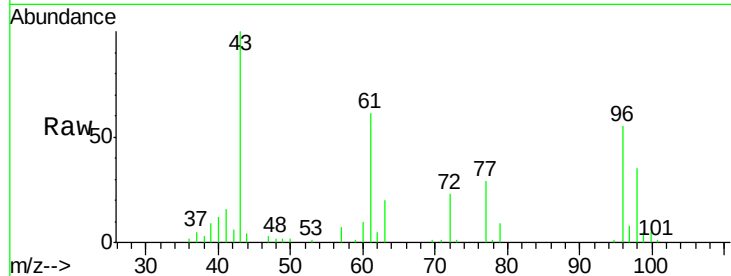
VD0327SBS02

Tot Ion: 43 Resp: 152118

Ion Ratio Lower Upper

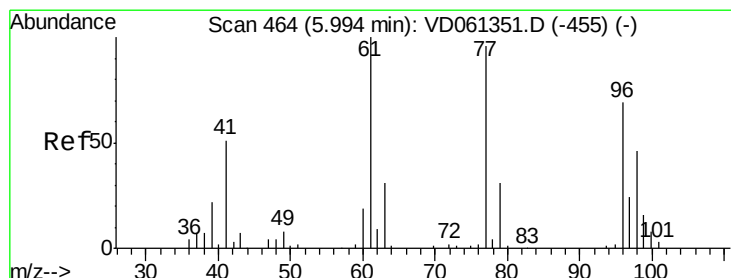
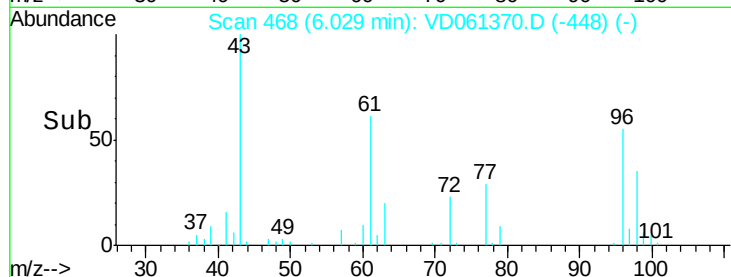
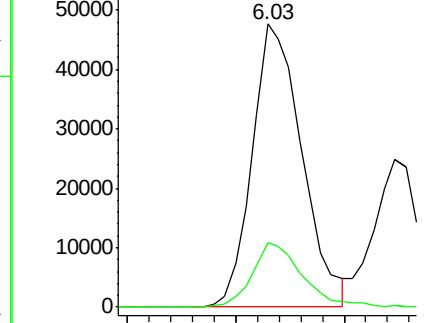
43 100

72 22.6 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 16.141 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061370.D

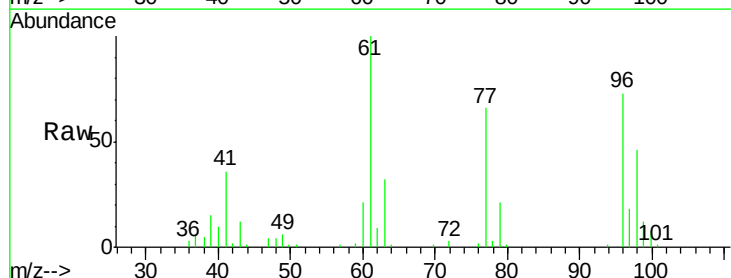
Acq: 28 Mar 2019 1:19

Tgt Ion: 77 Resp: 157566

Ion Ratio Lower Upper

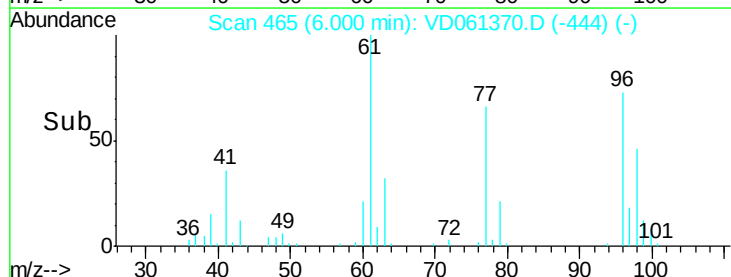
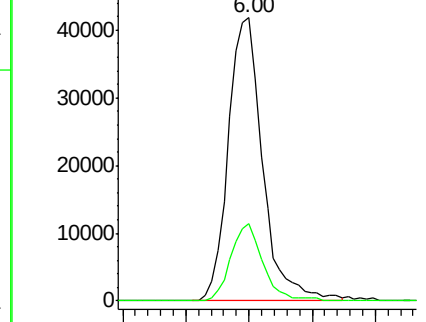
77 100

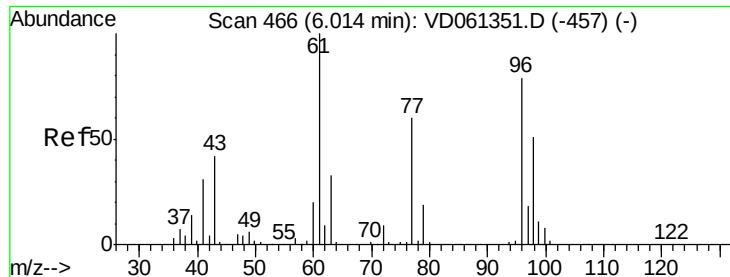
97 27.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



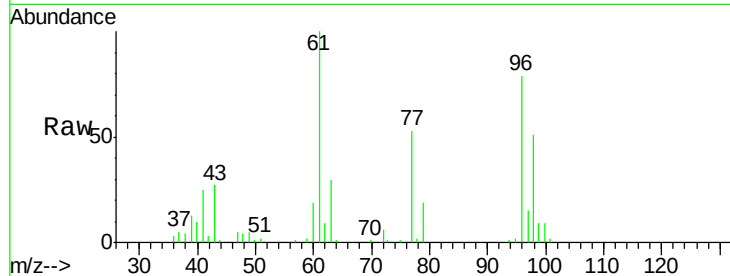


#27

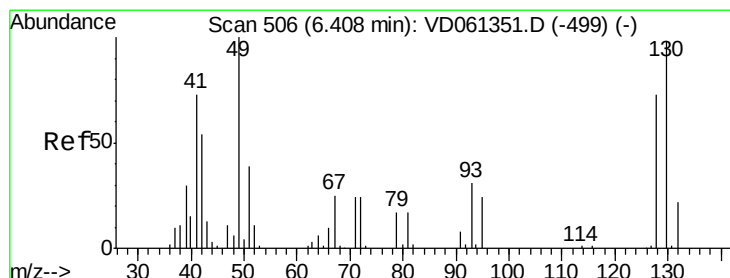
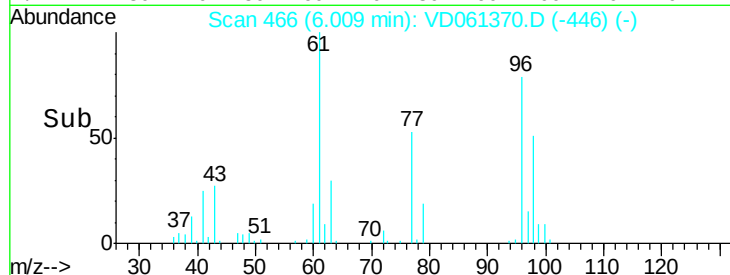
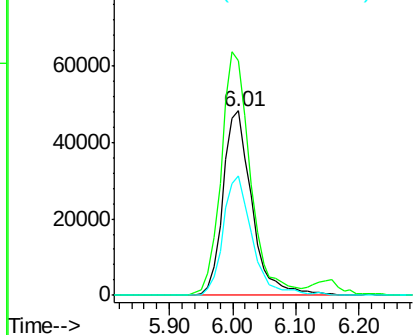
cis-1,2-Dichloroethene
 Concen: 18.296 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

Tot Ion: 96 Resp: 153209
 Ion Ratio Lower Upper
 96 100
 61 127.2 0.0 251.6
 98 64.7 0.0 129.2



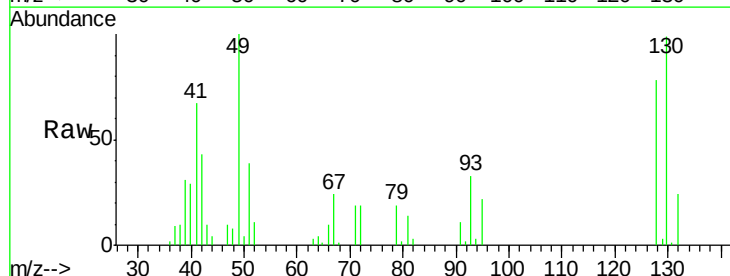
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



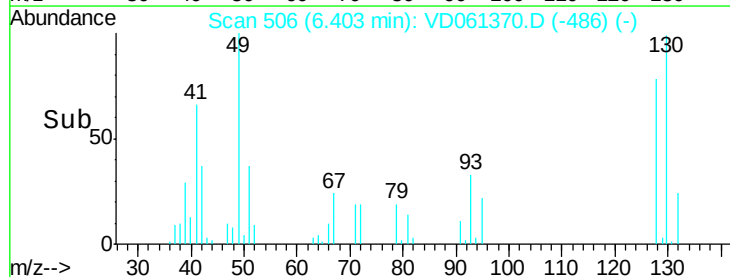
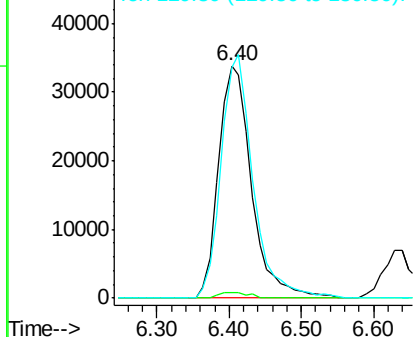
#28

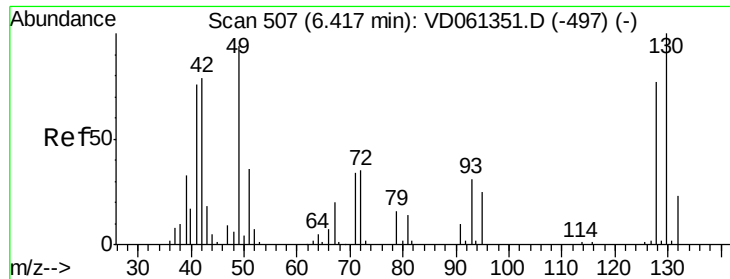
Bromochloromethane
 Concen: 21.579 ug/l
 RT: 6.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion: 49 Resp: 106966
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 0.0#
 130 99.1 78.4 117.6



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

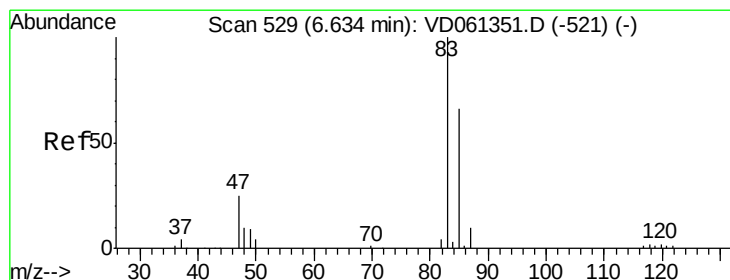
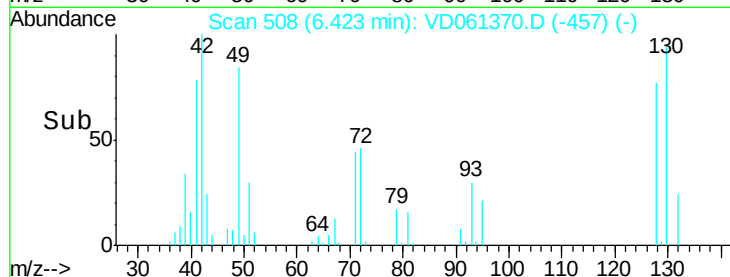
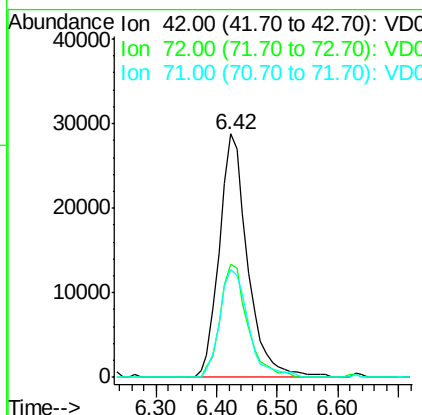
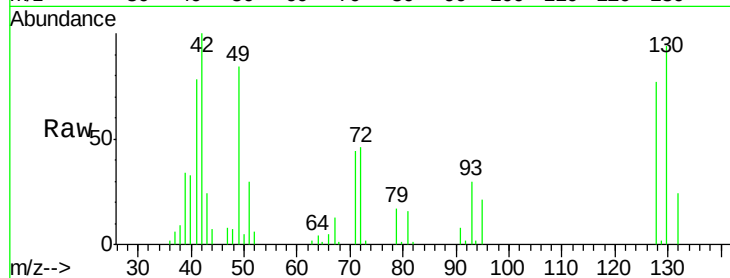




#29
Tetrahydrofuran
Concen: 106.247 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

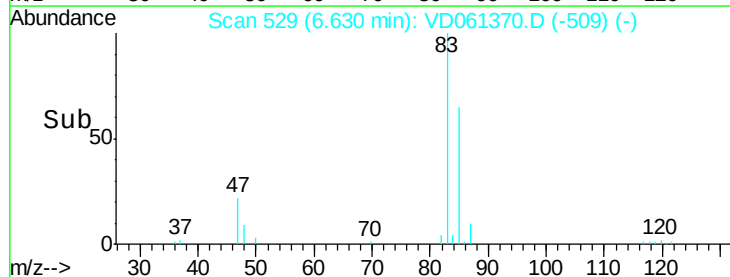
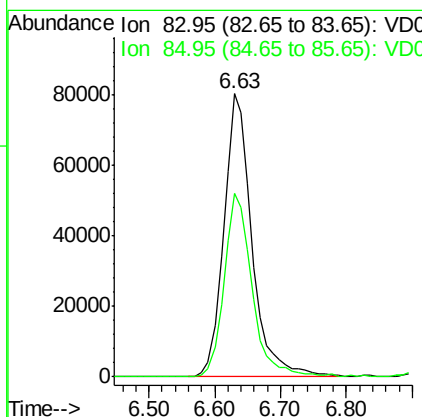
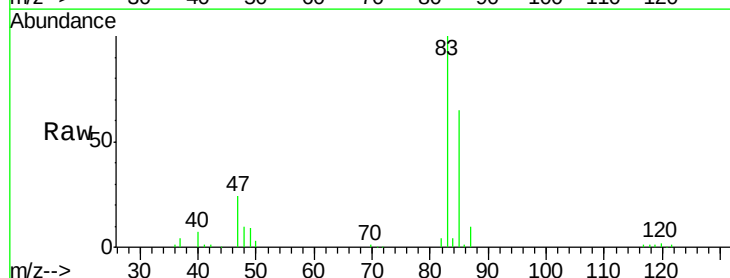
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

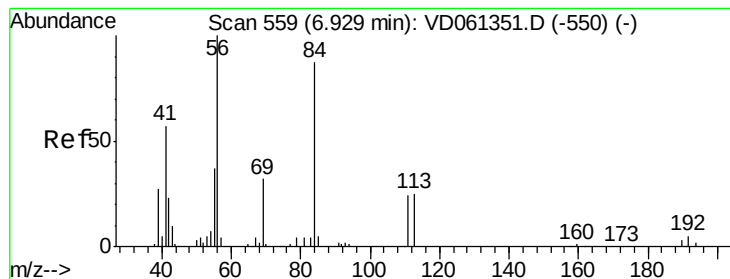
Tot Ion: 42 Resp: 93823
Ion Ratio Lower Upper
42 100
72 44.8 37.4 56.0
71 44.7 36.7 55.1



#30
Chloroform
Concen: 18.843 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 83 Resp: 239088
Ion Ratio Lower Upper
83 100
85 64.8 53.0 79.4





#31

Cyclohexane

Concen: 17.534 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

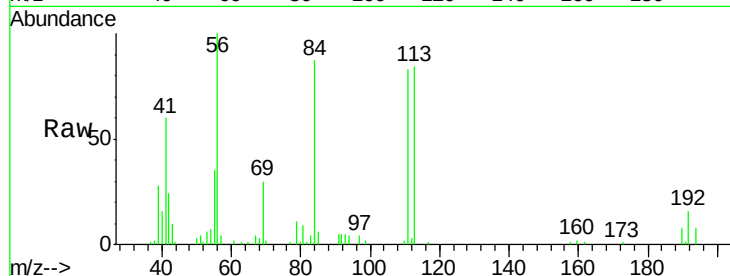
Tot Ion: 56 Resp: 170147

Ion Ratio Lower Upper

56 100

69 29.6 25.7 38.5

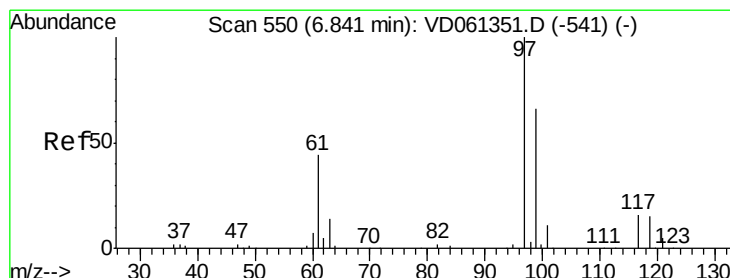
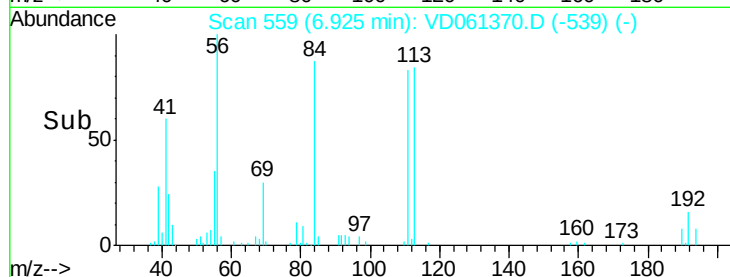
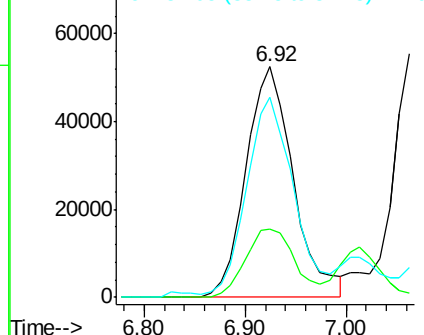
84 86.6 70.6 105.8



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: 18.222 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

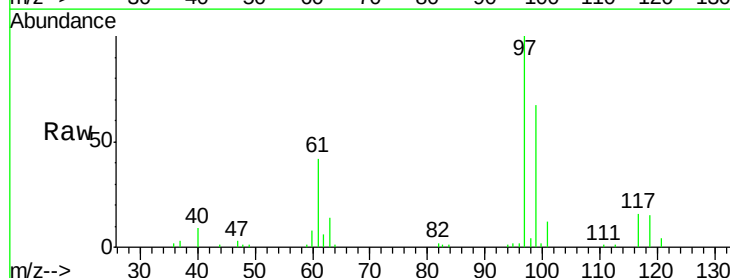
Tgt Ion: 97 Resp: 203983

Ion Ratio Lower Upper

97 100

99 66.8 53.1 79.7

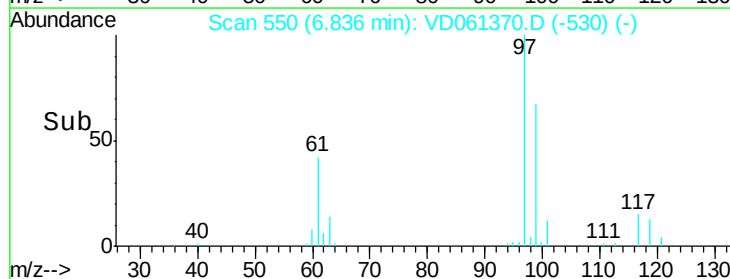
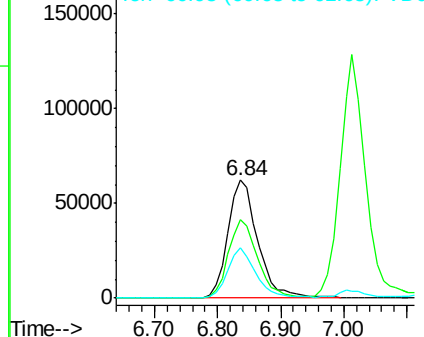
61 42.3 35.5 53.3

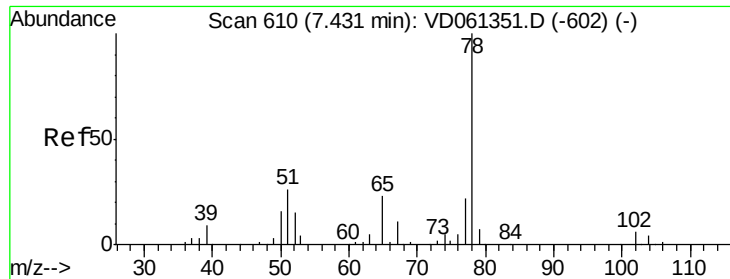


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

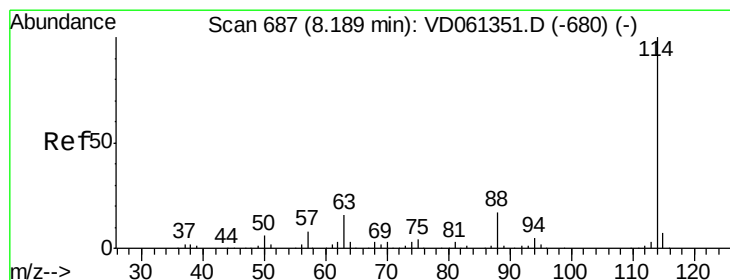
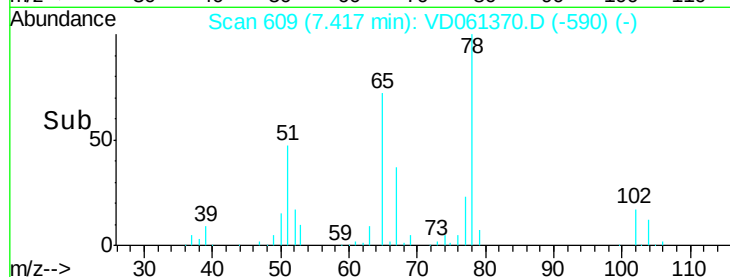
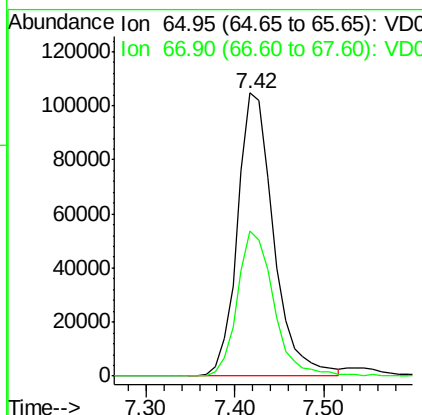
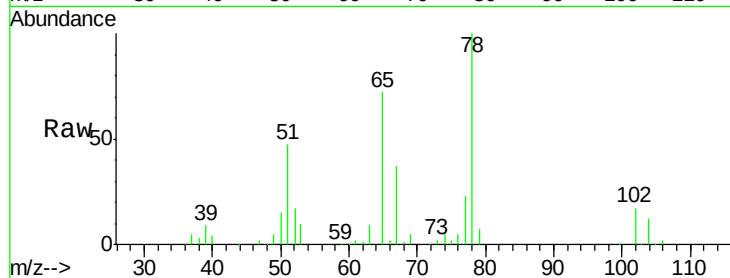




#33
 1,2-Dichloroethane-d4
 Concen: 18.222 ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

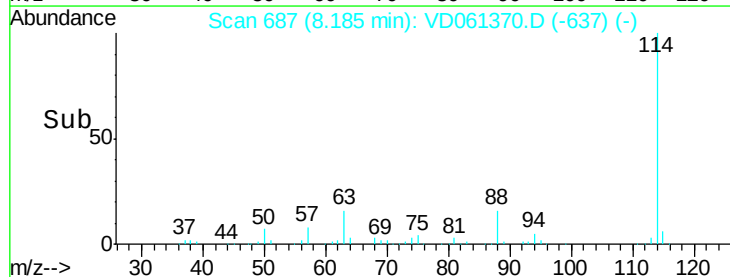
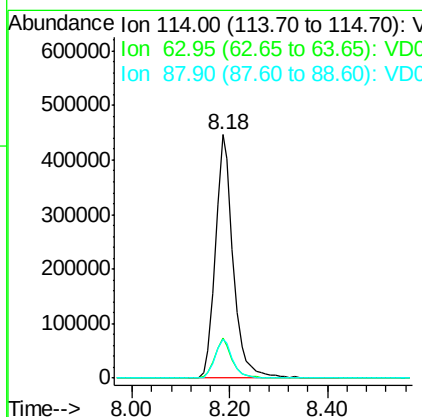
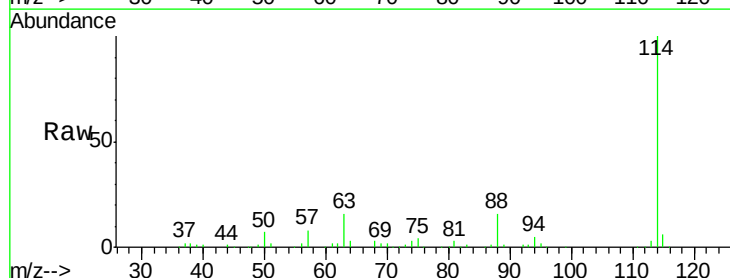
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

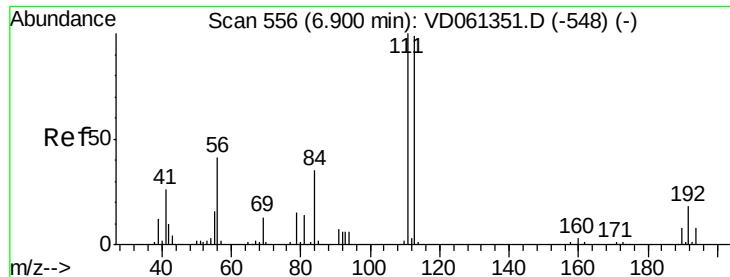
Tot Ion: 65 Resp: 294780
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.18 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion: 114 Resp: 1129160
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.6
 88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD02

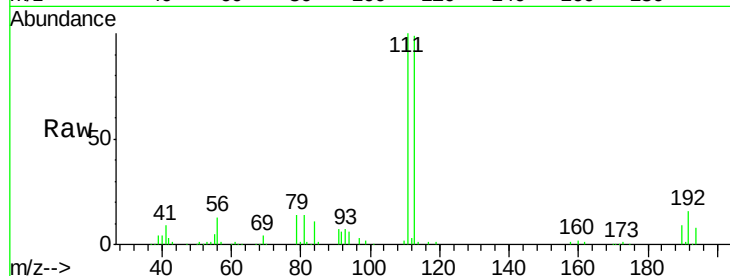
Tot Ion:113 Resp: 477926

Ion Ratio Lower Upper

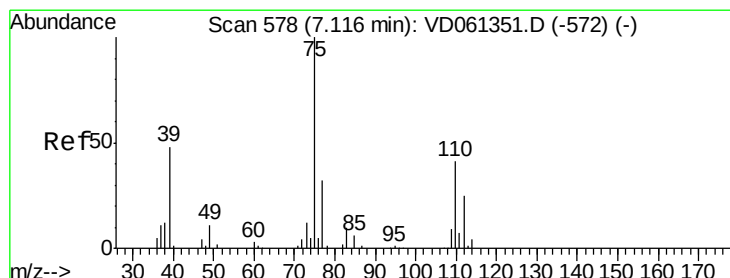
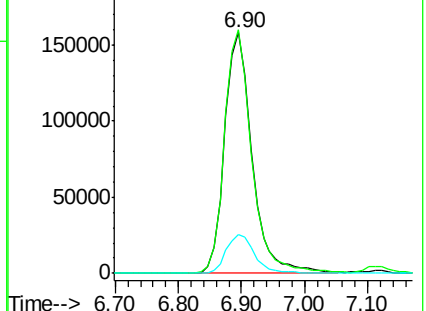
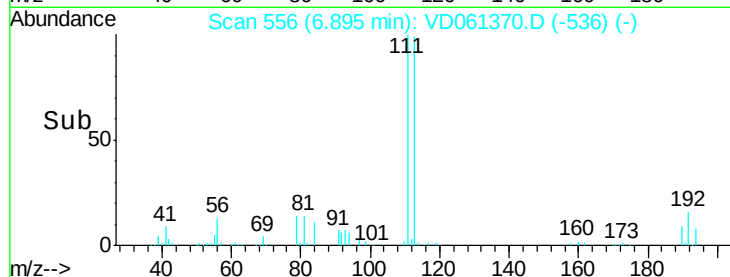
113 100

111 101.2 81.0 121.6

192 16.4 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 16.609 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

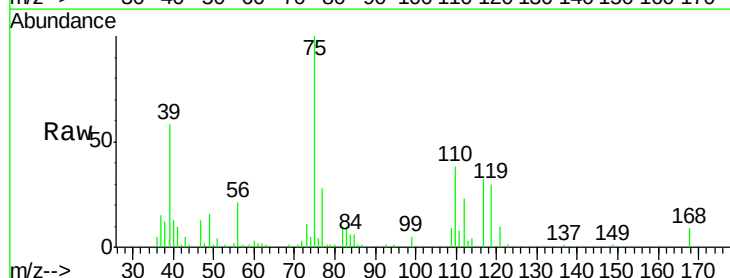
Tgt Ion: 75 Resp: 163685

Ion Ratio Lower Upper

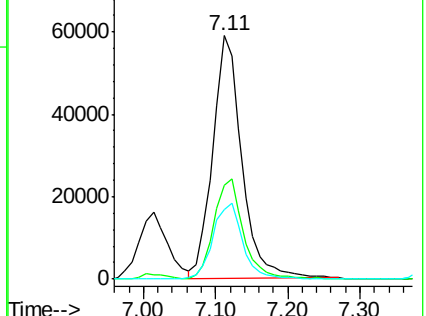
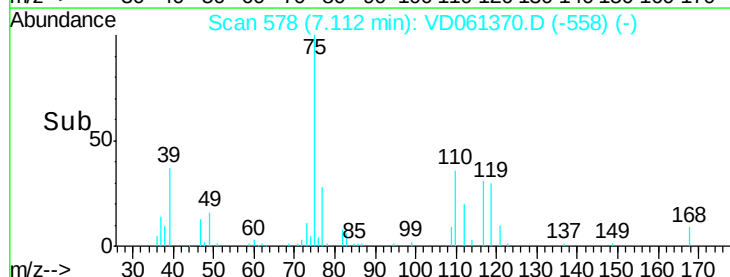
75 100

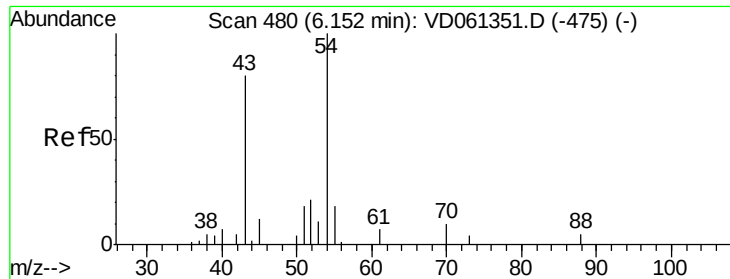
110 38.5 20.4 61.3

77 28.4 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

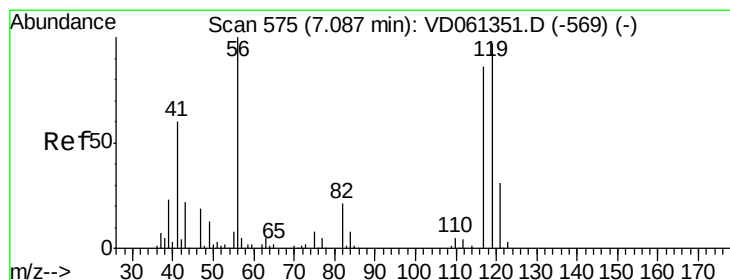
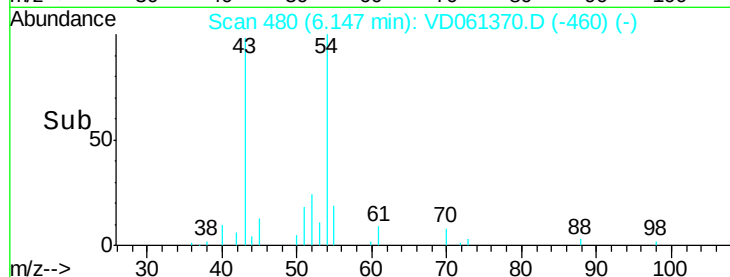
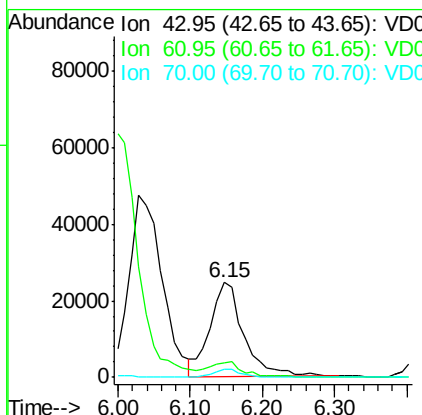
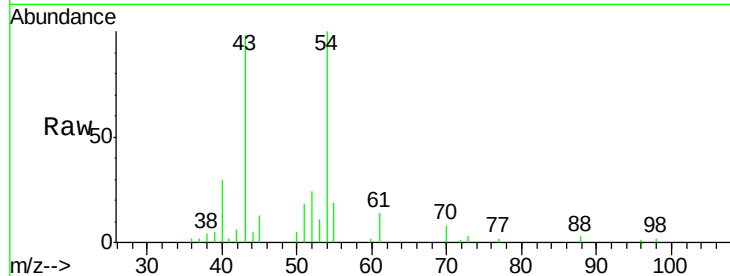




#37
Ethyl Acetate
Concen: 18.882 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

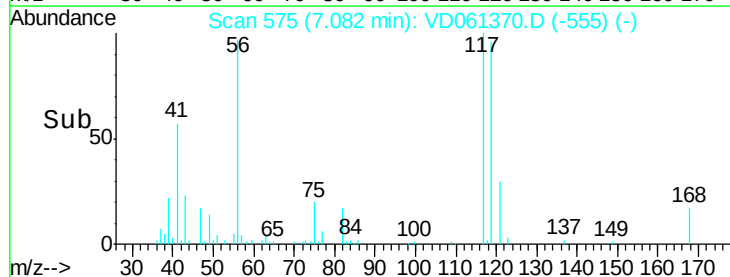
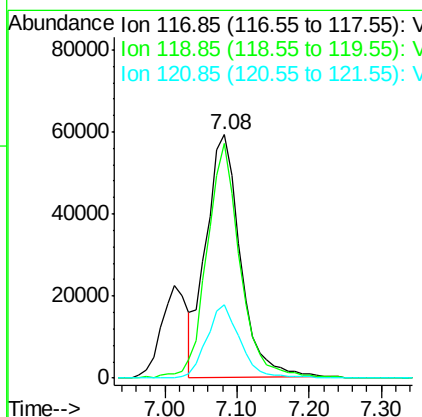
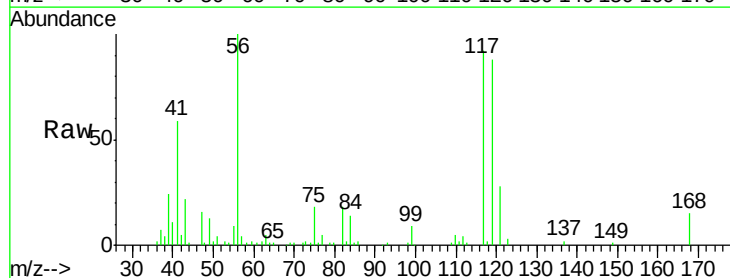
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

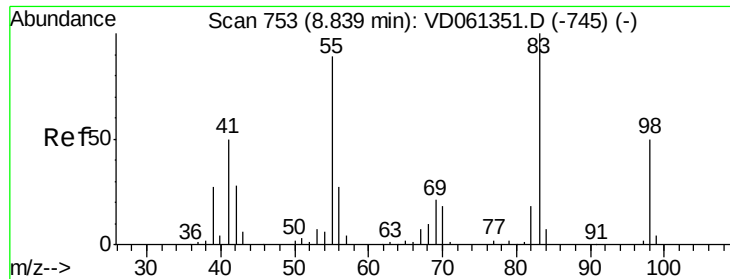
Tot Ion: 43 Resp: 79582
Ion Ratio Lower Upper
43 100
61 14.8 13.8 20.8
70 8.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 17.299 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 117 Resp: 194118
Ion Ratio Lower Upper
117 100
119 96.3 80.1 120.1
121 30.0 25.6 38.4

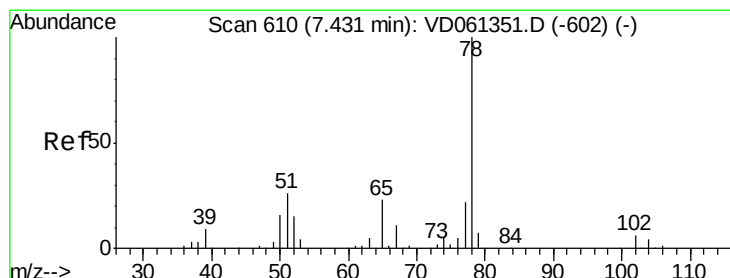
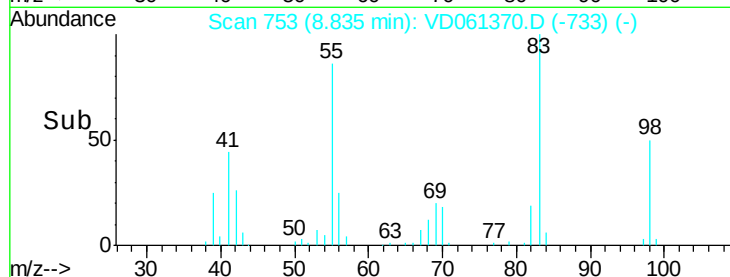
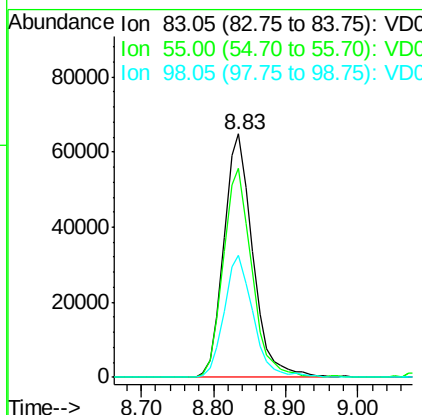
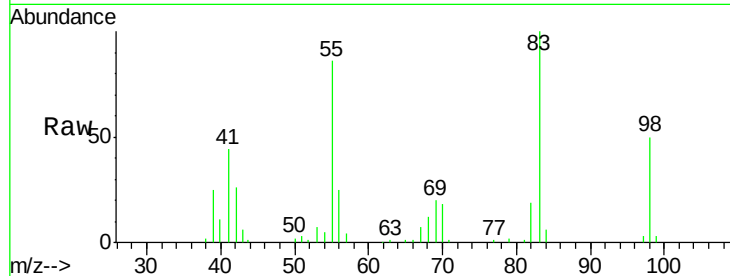




#39
Methylvlcyclohexane
Concen: 17.599 ug/l
RT: 8.83 min Scan# 753
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

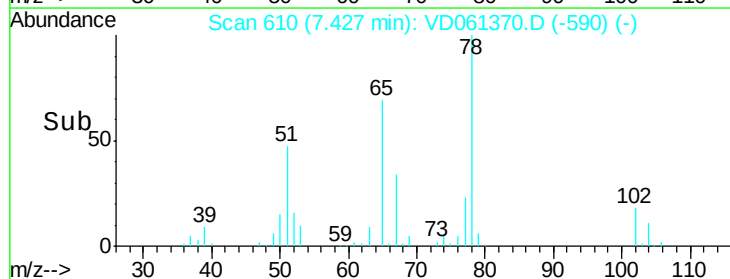
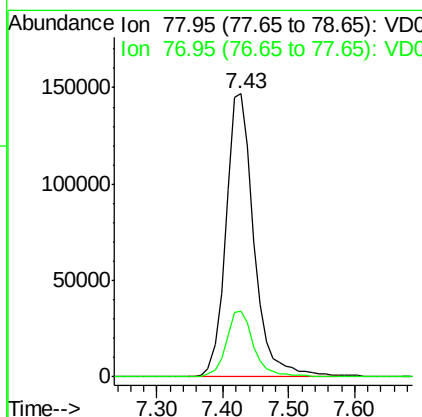
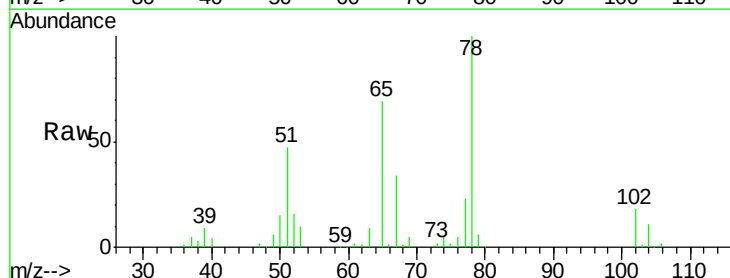
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

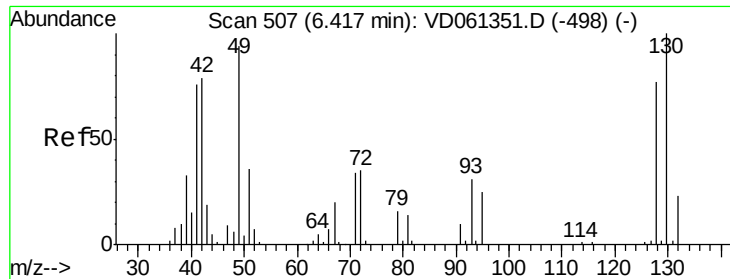
Tot Ion: 83 Resp: 180632
Ion Ratio Lower Upper
83 100
55 85.7 71.5 107.3
98 50.3 40.3 60.5



#40
Benzene
Concen: 17.674 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 78 Resp: 437132
Ion Ratio Lower Upper
78 100
77 23.3 17.8 26.6

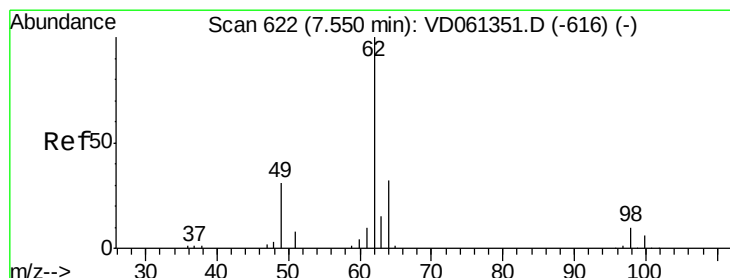
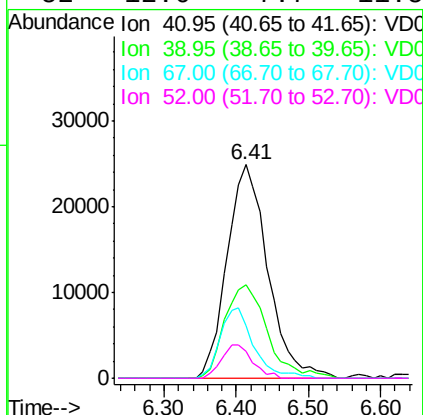
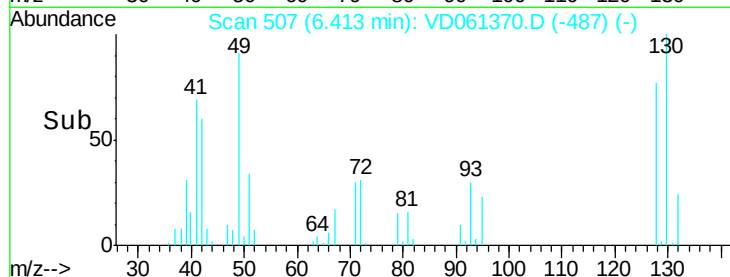
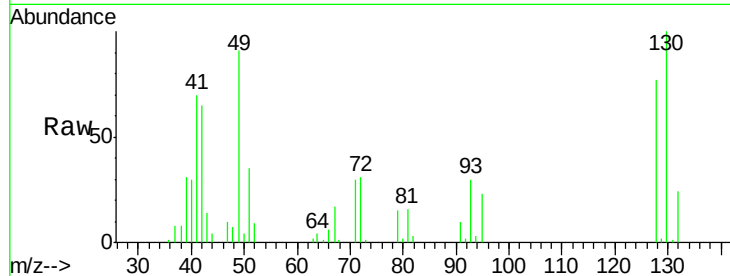




#41
Methacrylonitrile
Concen: 19.877 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

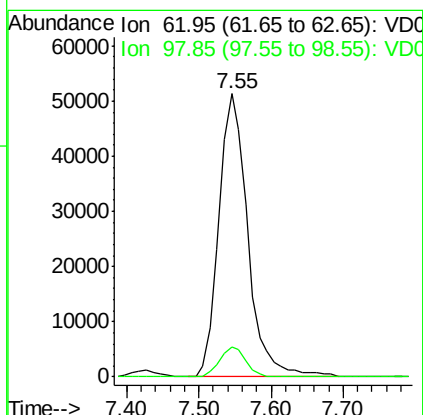
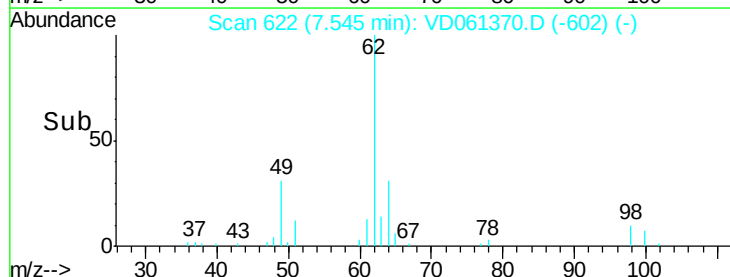
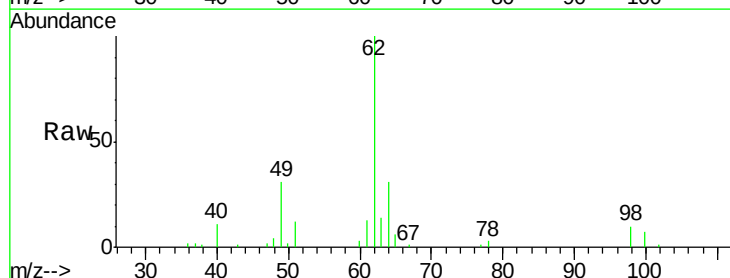
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

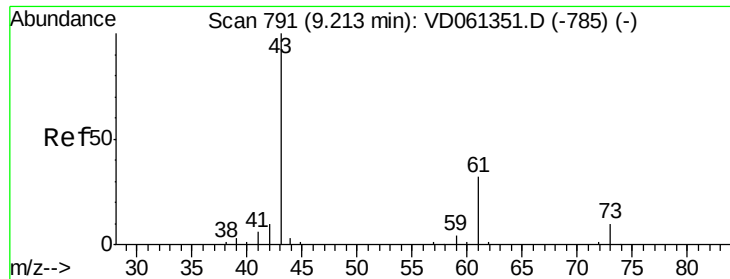
Tot Ion: 41 Resp: 97955
Ion Ratio Lower Upper
41 100
39 43.6 35.0 52.6
67 24.3 21.0 31.6
52 12.6 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 19.222 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 62 Resp: 142211
Ion Ratio Lower Upper
62 100
98 10.4 0.0 19.8





#43

Isopropyl Acetate

Concen: 18.415 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD02

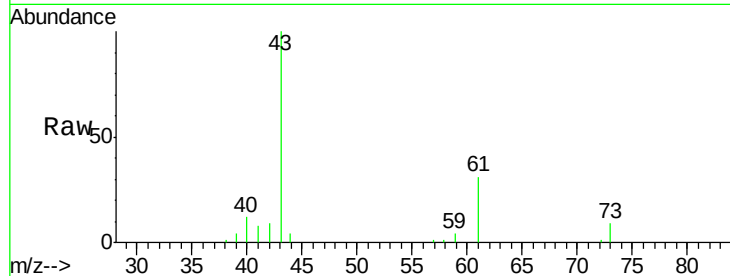
Tot Ion: 43 Resp: 112929

Ion Ratio Lower Upper

43 100

61 31.1 25.8 38.6

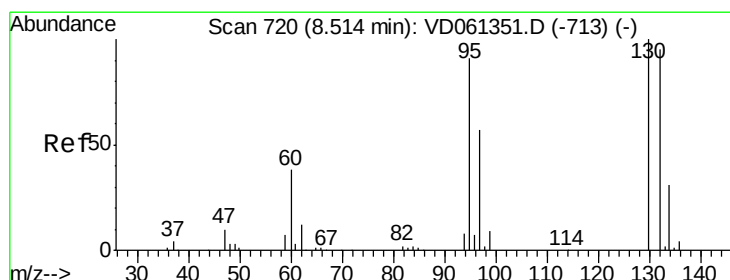
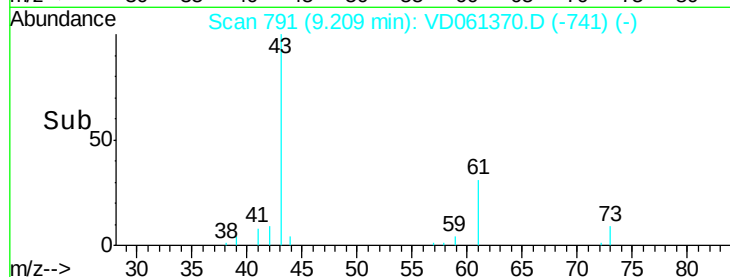
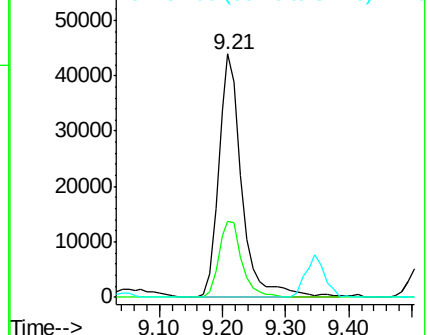
87 0.0 0.0 0.0



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: 17.594 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.00 min

Lab File: VD061370.D

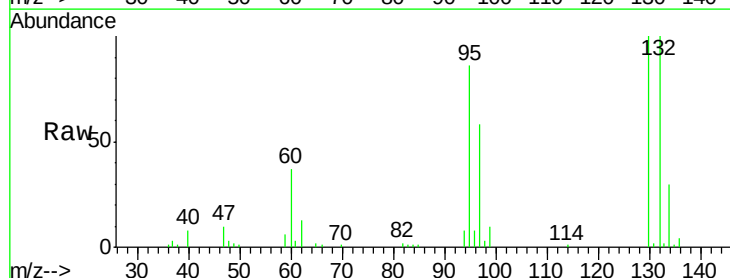
Acq: 28 Mar 2019 1:19

Tgt Ion:130 Resp: 161946

Ion Ratio Lower Upper

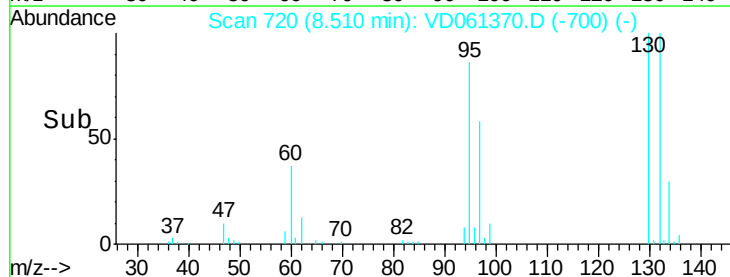
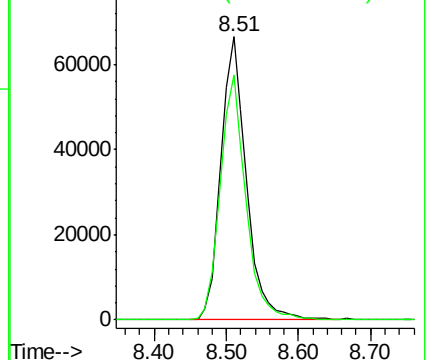
130 100

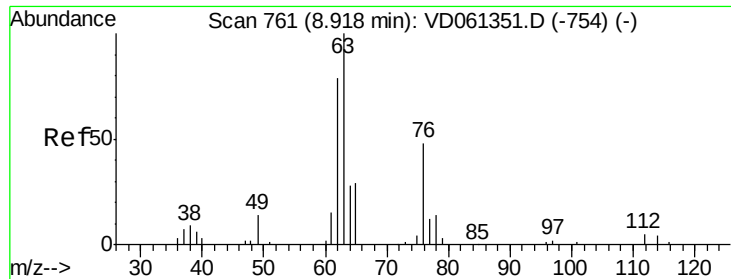
95 86.5 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

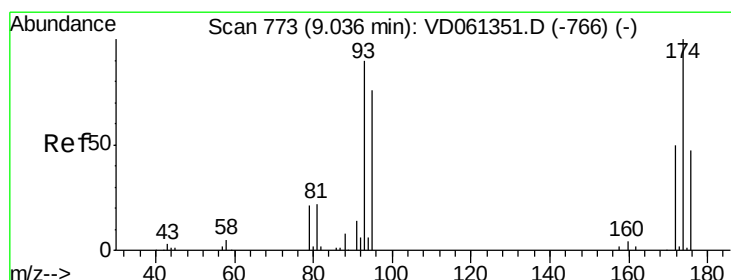
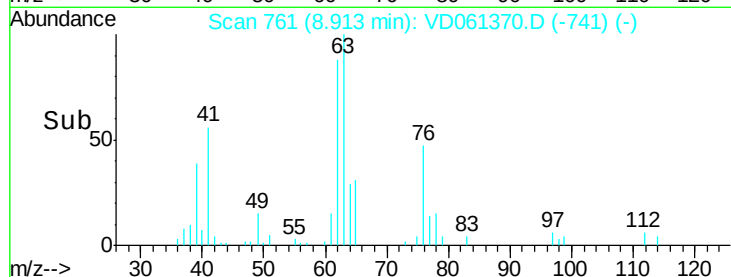
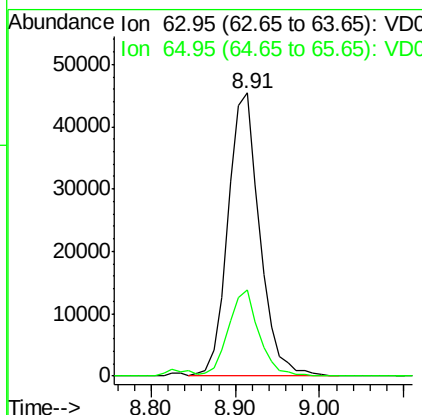
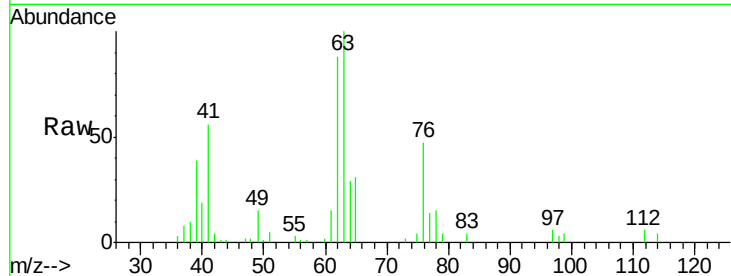




#45
 1,2-Dichloropropane
 Concen: 18.898 ug/l
 RT: 8.91 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

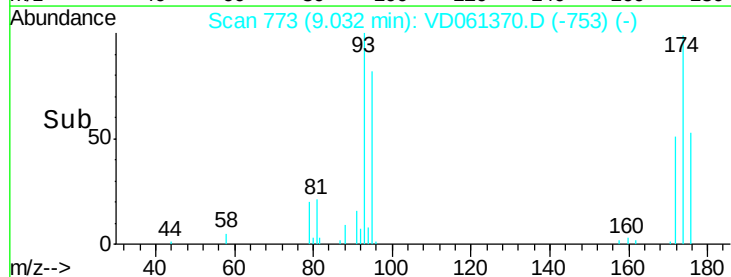
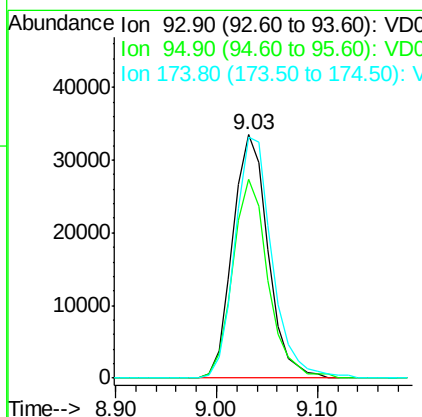
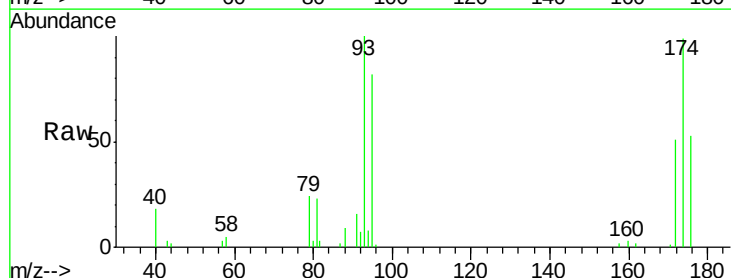
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

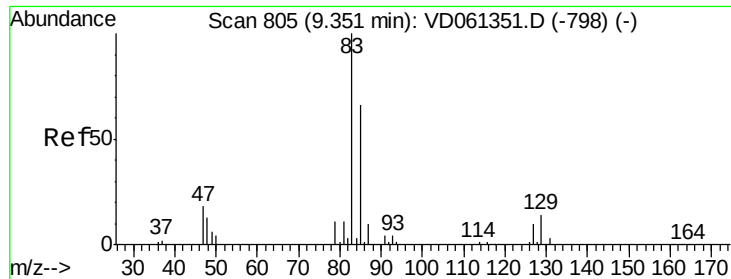
Tot Ion: 63 Resp: 118523
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4



#46
 Dibromomethane
 Concen: 19.369 ug/l
 RT: 9.03 min Scan# 773
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion: 93 Resp: 81764
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.4 101.0
 174 99.2 88.9 133.3





#47

Bromodichloromethane

Concen: 17.223 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

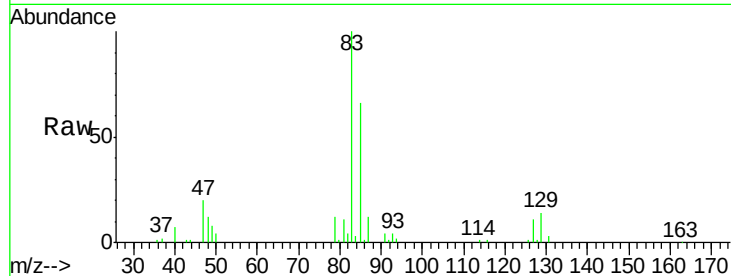
Tot Ion: 83 Resp: 163175

Ion Ratio Lower Upper

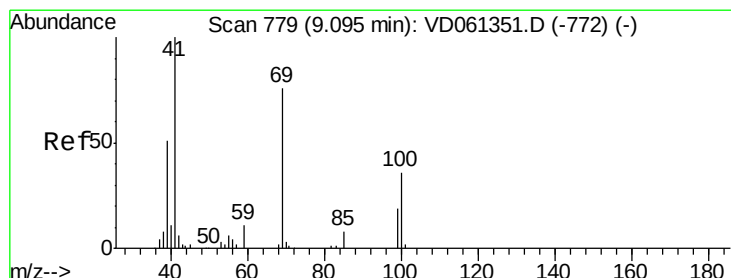
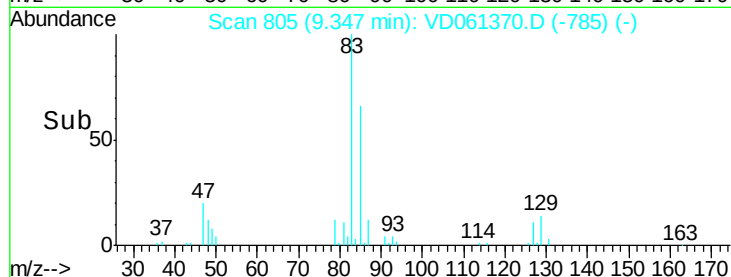
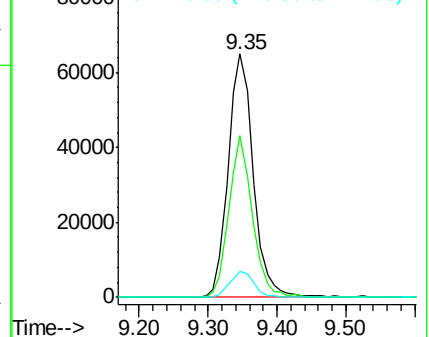
83 100

85 66.4 53.0 79.4

127 10.6 8.4 12.6



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: 18.467 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

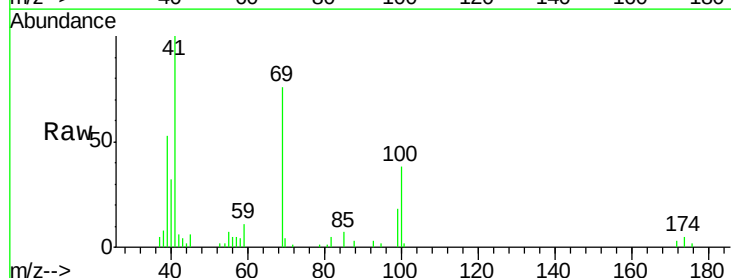
Tgt Ion: 41 Resp: 62498

Ion Ratio Lower Upper

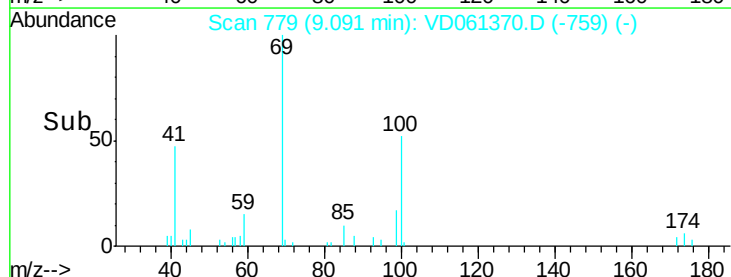
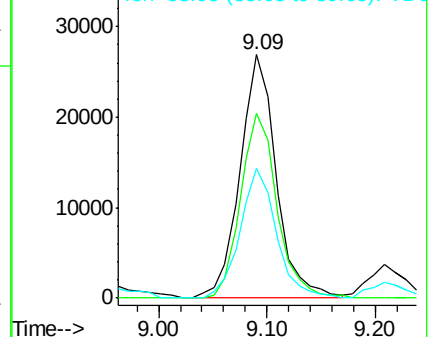
41 100

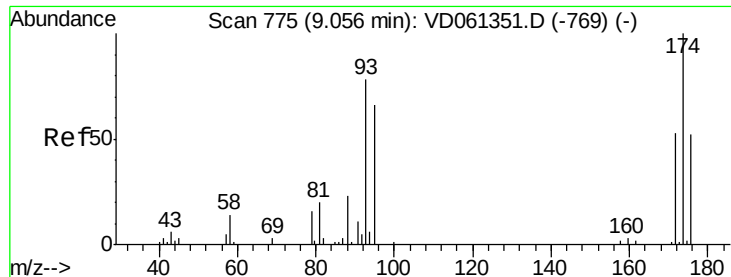
69 75.8 60.2 90.4

39 53.4 41.4 62.2



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: 379.083 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

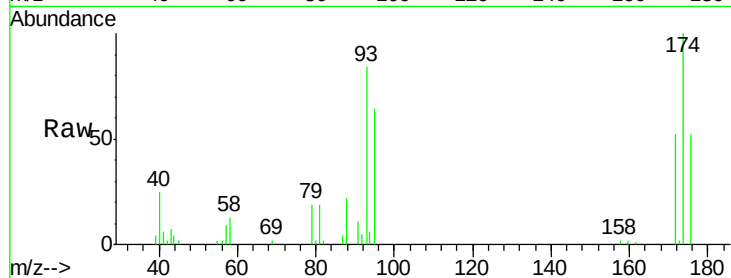
Tot Ion: 88 Resp: 14151

Ion Ratio Lower Upper

88 100

43 32.5 23.3 34.9

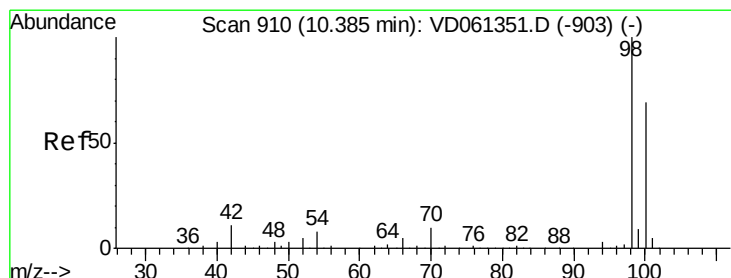
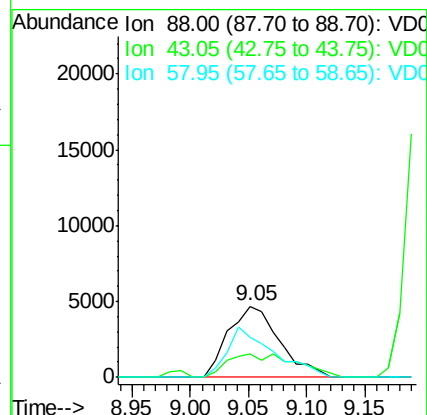
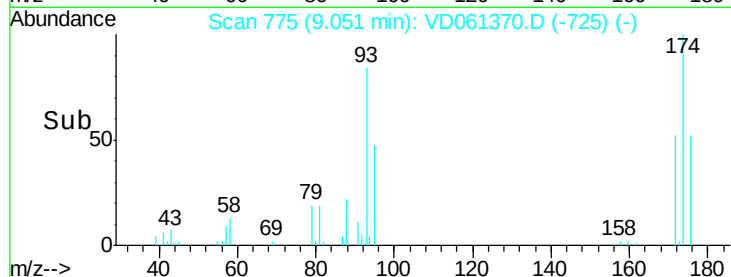
58 56.0 50.8 76.2



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: 379.083 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD061370.D

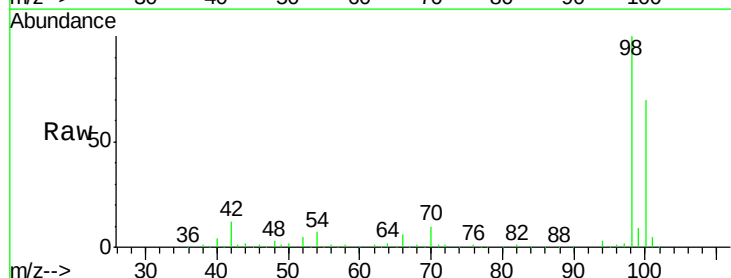
Acq: 28 Mar 2019 1:19

Tgt Ion: 98 Resp: 1018103

Ion Ratio Lower Upper

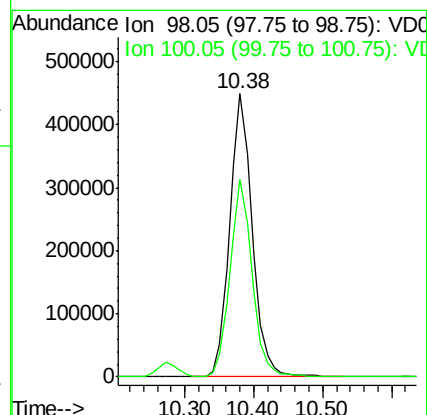
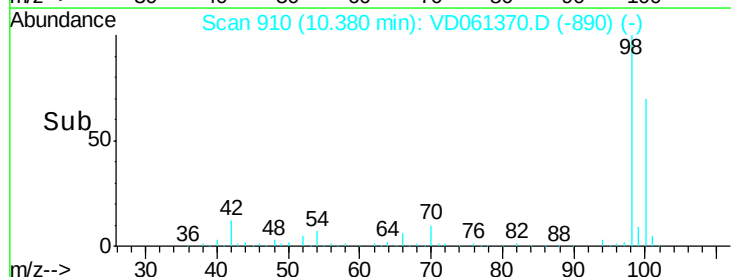
98 100

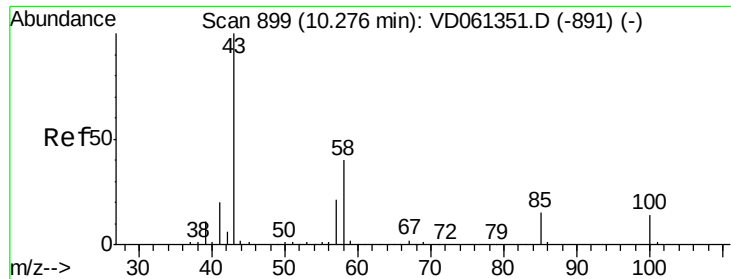
100 69.6 56.2 84.2



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: 103.464 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

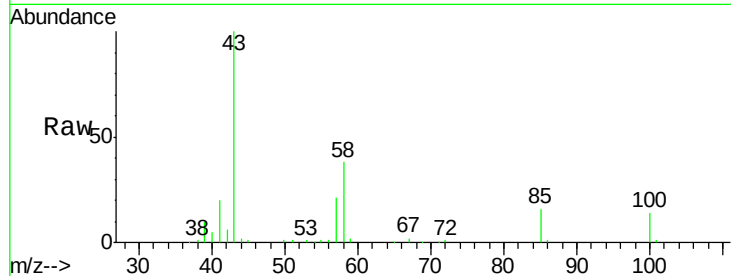
VD0327SBS02

Tot Ion: 43 Resp: 386015

Ion Ratio Lower Upper

43 100

58 38.3 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.27

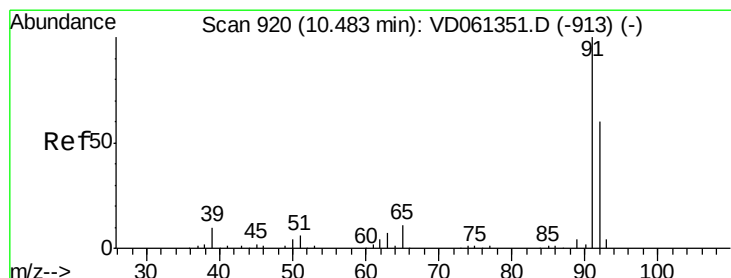
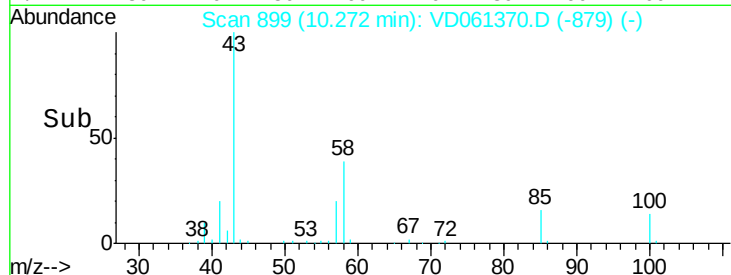
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 17.925 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD061370.D

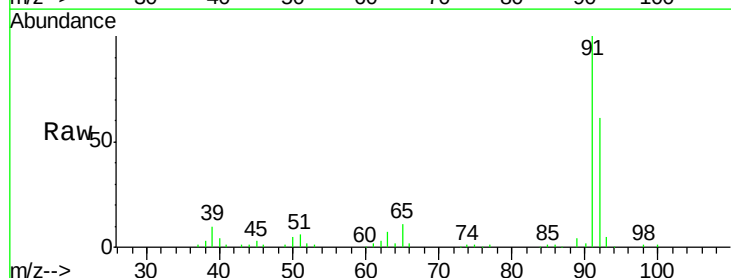
Acq: 28 Mar 2019 1:19

Tgt Ion: 92 Resp: 270470

Ion Ratio Lower Upper

92 100

91 164.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.48

200000

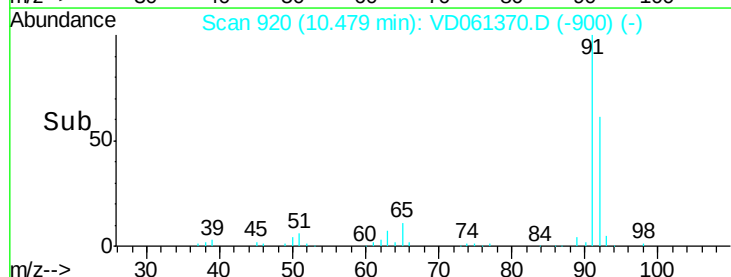
150000

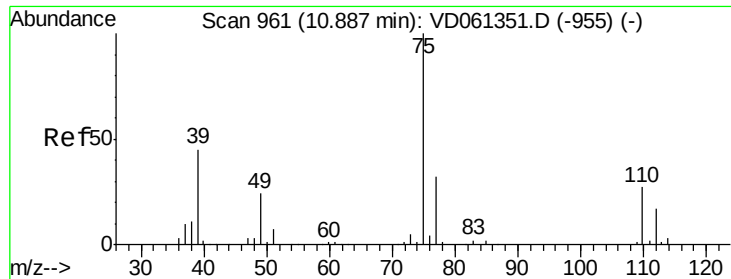
100000

50000

0

Time-->

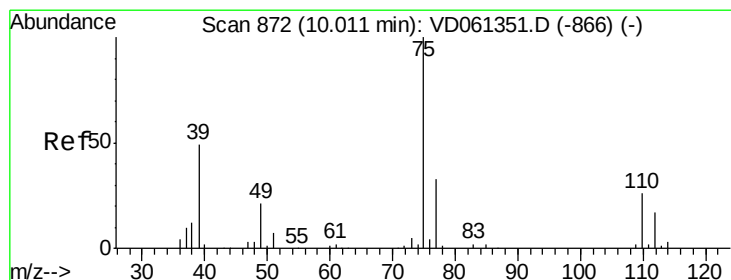
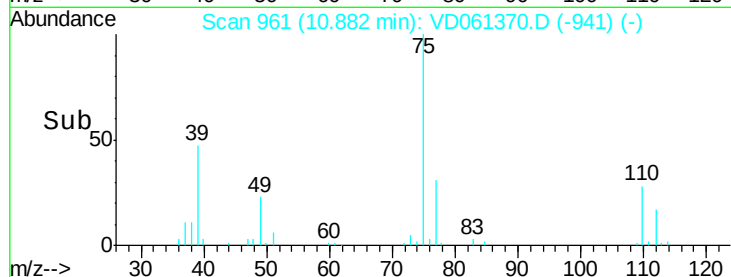
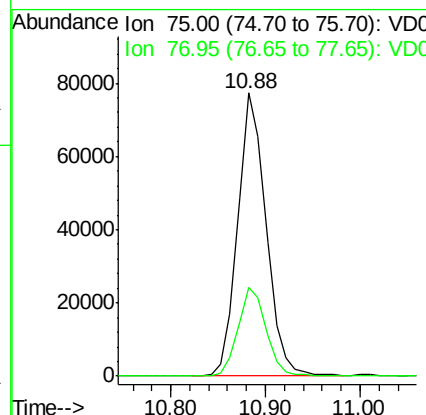
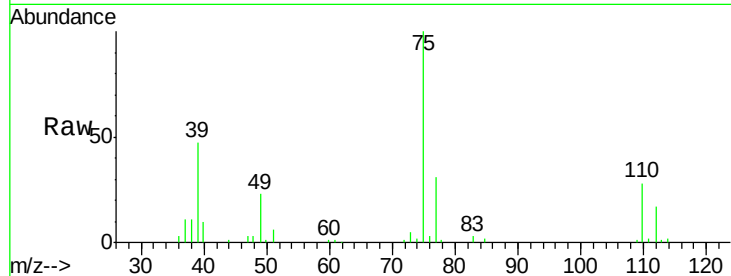




#53
t-1,3-Dichloropropene
Concen: 18.684 ug/l
RT: 10.88 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

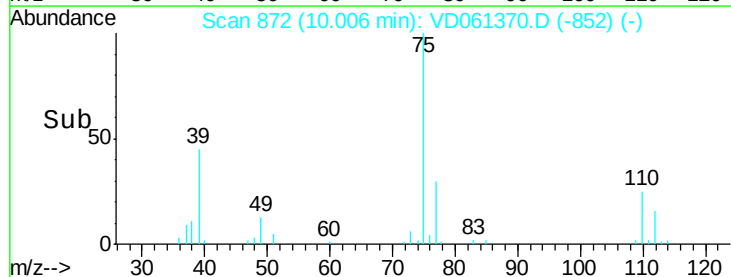
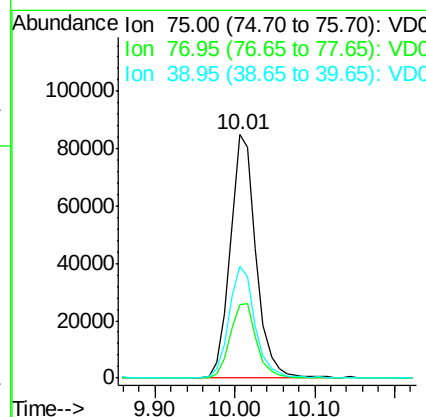
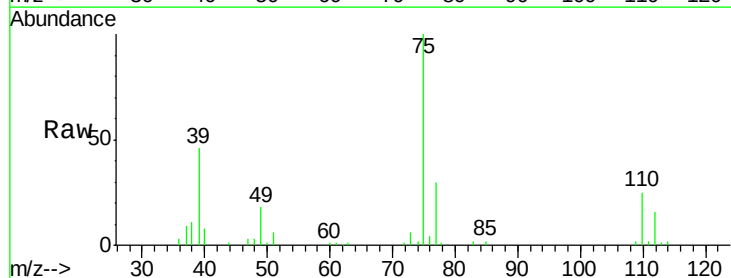
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

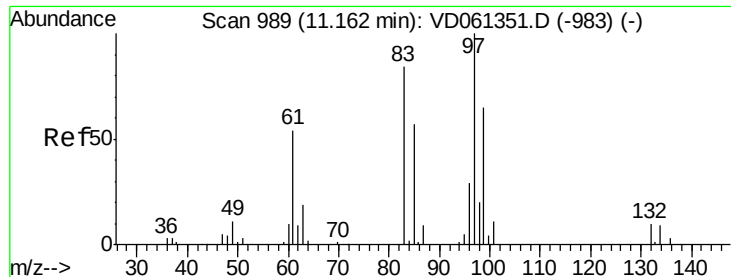
Tot Ion: 75 Resp: 160832
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 18.448 ug/l
RT: 10.01 min Scan# 872
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 75 Resp: 193364
Ion Ratio Lower Upper
75 100
77 30.4 26.2 39.4
39 46.1 39.4 59.0

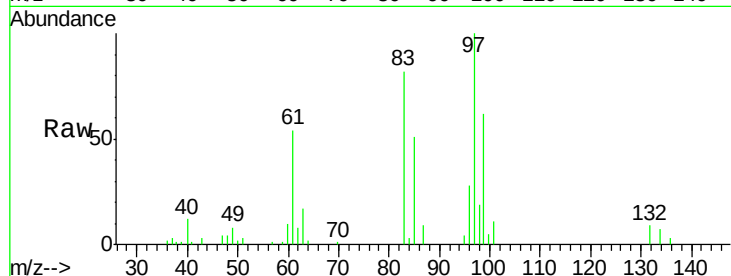




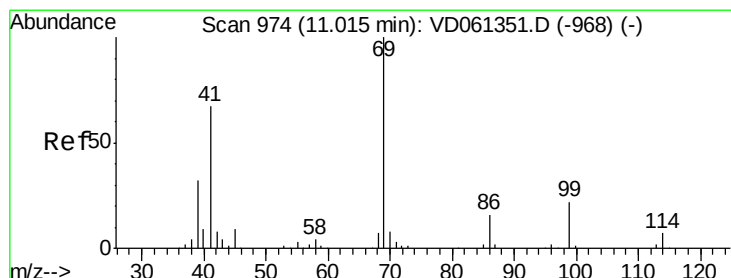
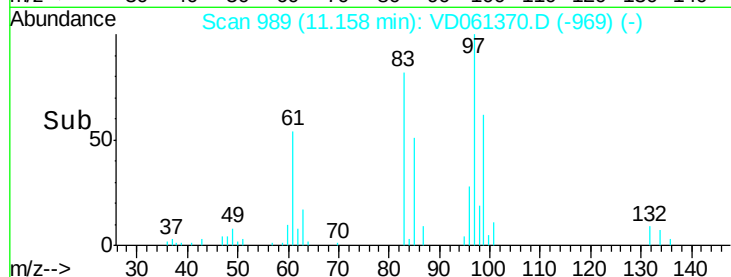
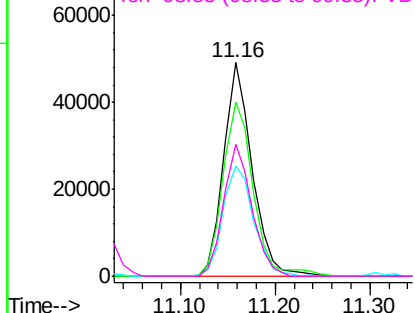
#55
 1,1,2-Trichloroethane
 Concen: 19.455 ug/l
 RT: 11.16 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

Tot Ion:	97	Resp:	102665
Ion	Ratio	Lower	Upper
97	100		
83	81.6	67.0	100.6
85	51.4	45.4	68.2
99	61.6	51.9	77.9

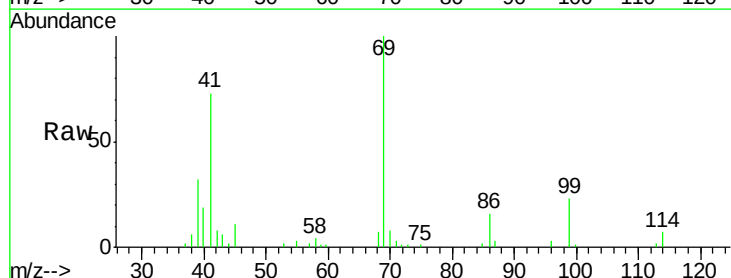


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

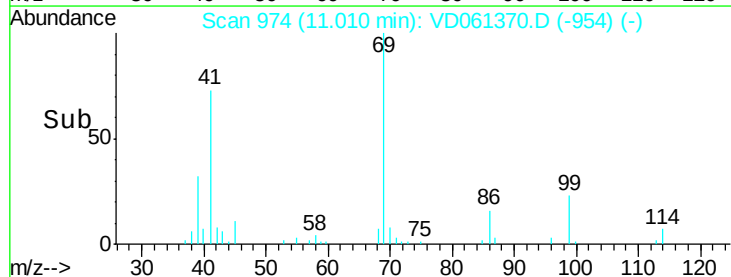
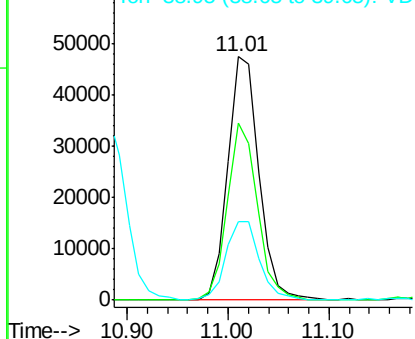


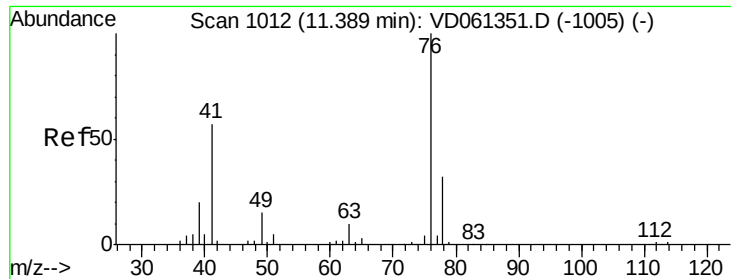
#56
 Ethyl methacrylate
 Concen: 17.940 ug/l
 RT: 11.01 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion:	69	Resp:	101699
Ion	Ratio	Lower	Upper
69	100		
41	72.8	53.8	80.6
39	32.3	26.4	39.6



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

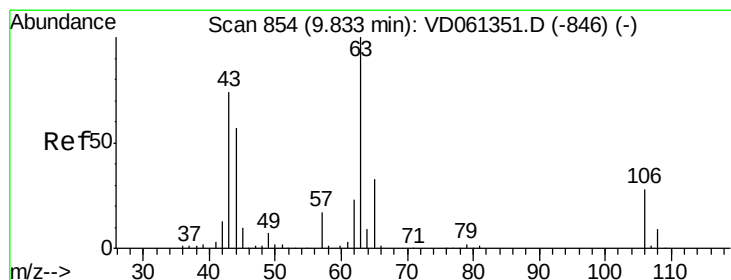
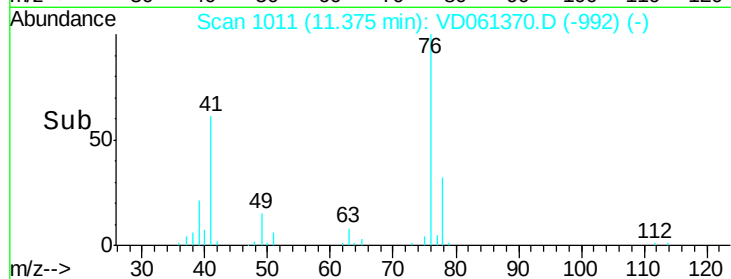
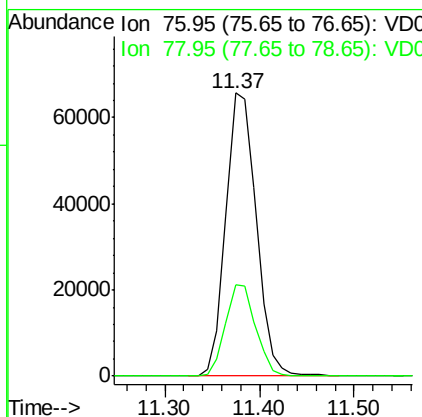
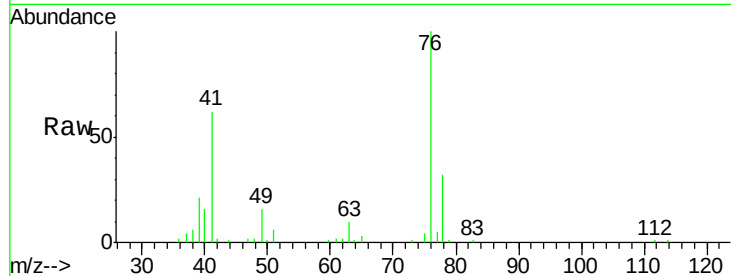




#57
 1,3-Dichloropropane
 Concen: 18.887 ug/l
 RT: 11.37 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

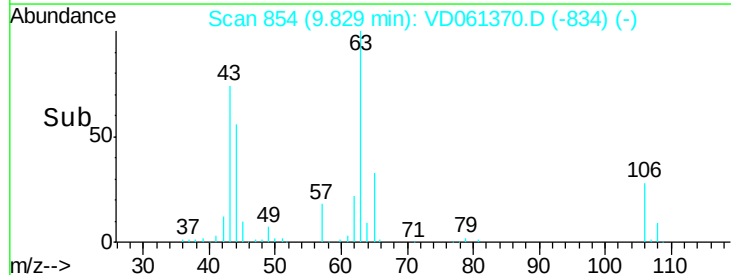
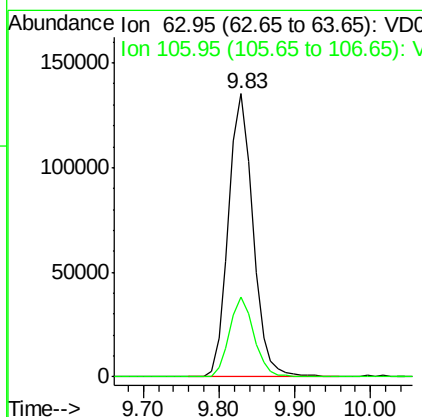
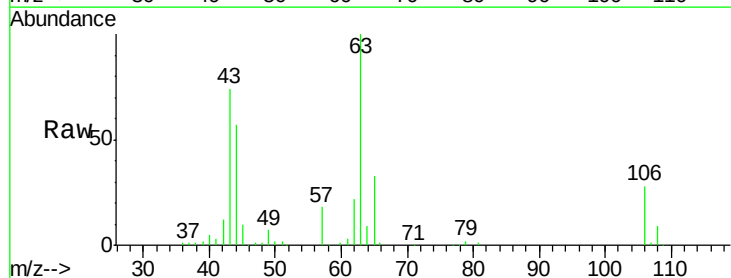
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS02

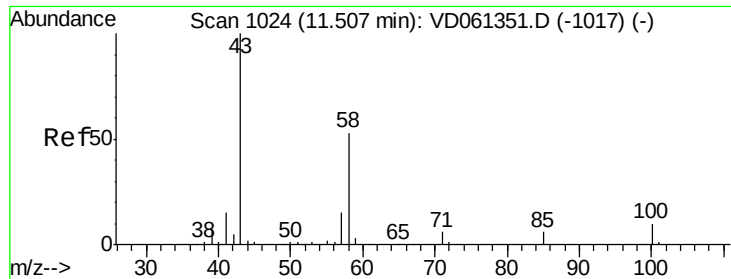
Tot Ion: 76 Resp: 146493
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.416 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion: 63 Resp: 304830
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.4 33.6

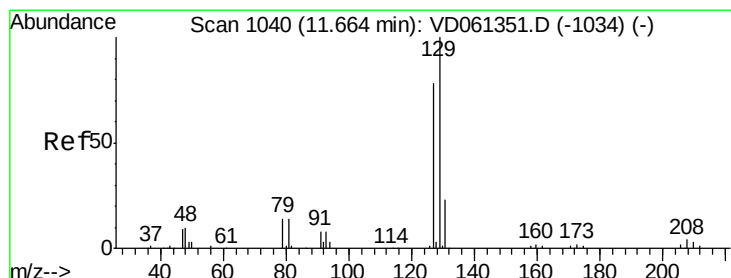
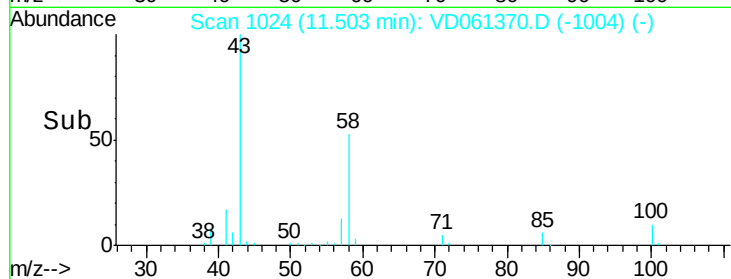
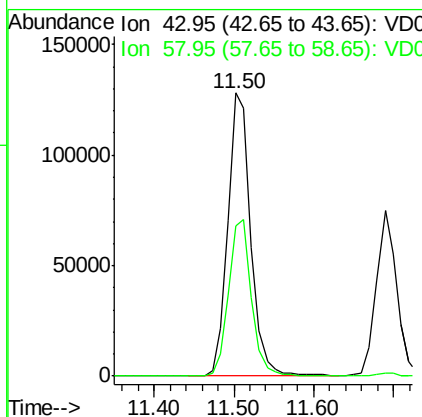
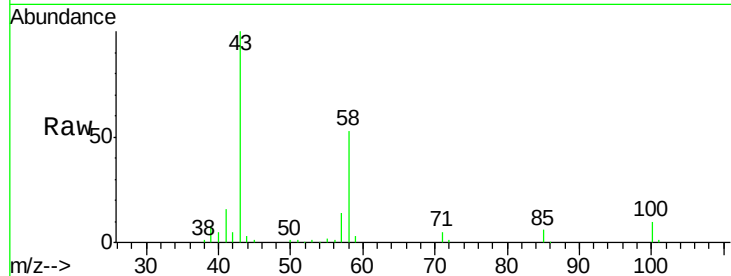




#59
2-Hexanone
Concen: 95.897 ug/l
RT: 11.50 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

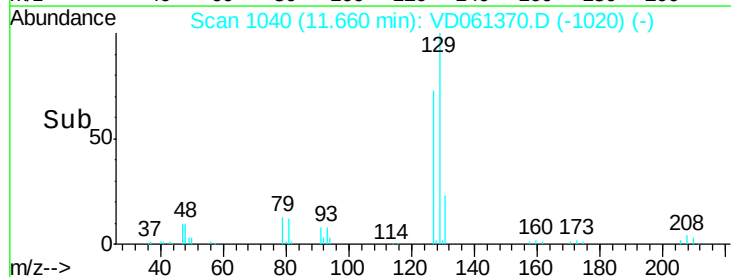
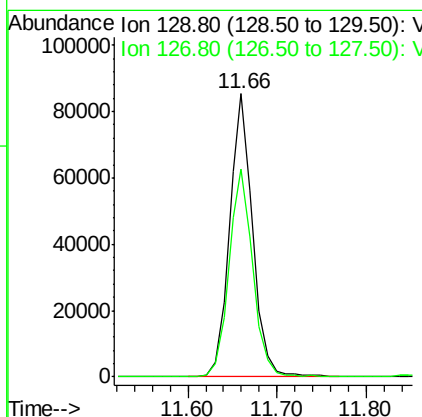
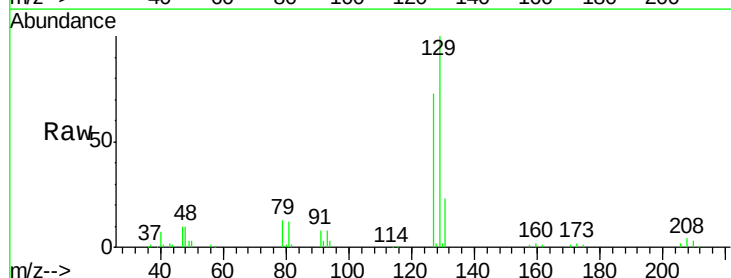
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

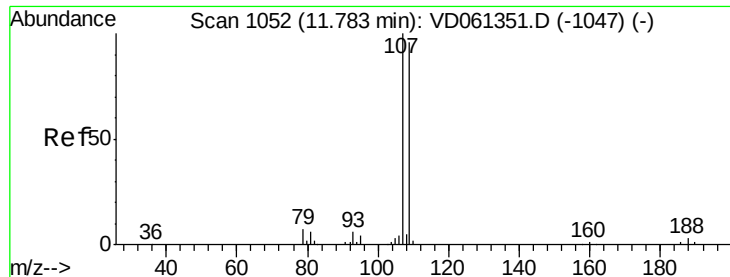
Tot Ion: 43 Resp: 259224
Ion Ratio Lower Upper
43 100
58 53.0 26.3 78.9



#60
Dibromochloromethane
Concen: 18.987 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 129 Resp: 154458
Ion Ratio Lower Upper
129 100
127 73.4 39.0 116.9

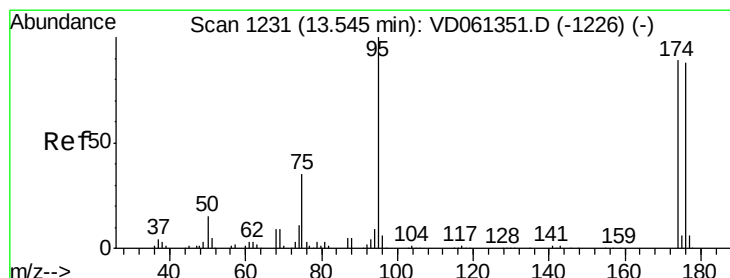
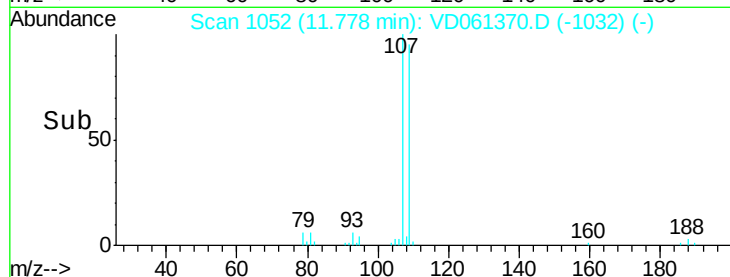
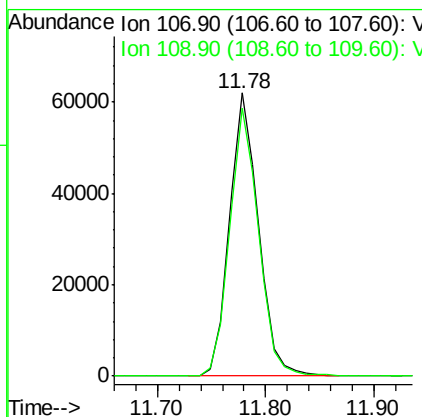
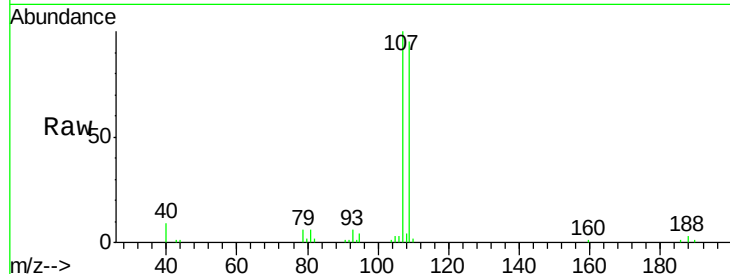




#61
 1,2-Dibromoethane
 Concen: 18.776 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

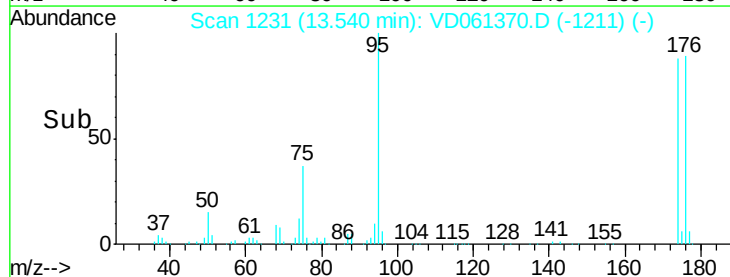
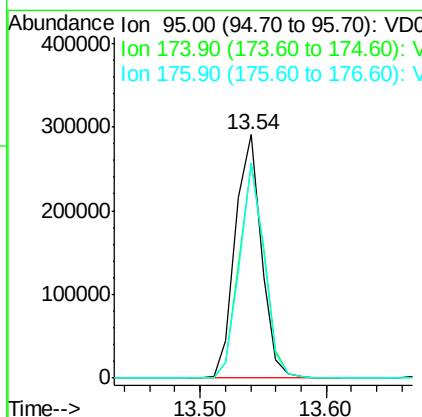
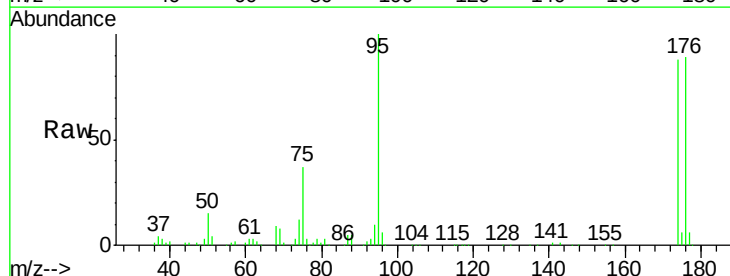
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

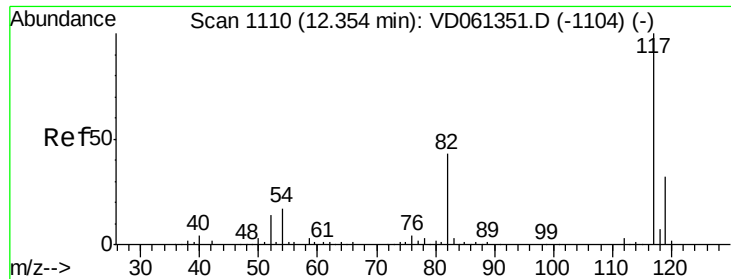
Tot Ion: 107 Resp: 114729
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 18.776 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion: 95 Resp: 414721
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 178.0
 176 88.7 0.0 175.0

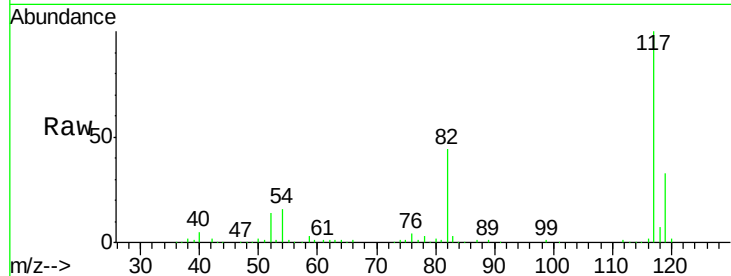




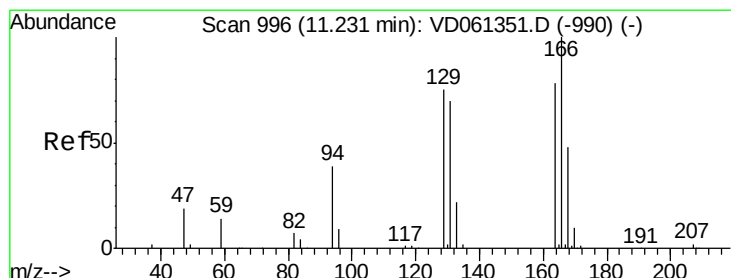
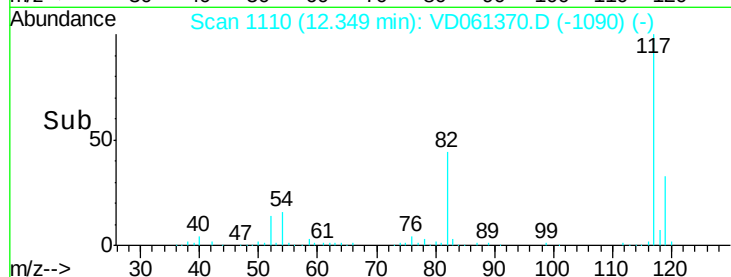
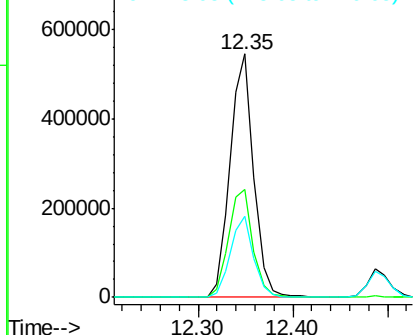
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

Tot Ion:117 Resp: 940962
Ion Ratio Lower Upper
117 100
82 44.1 34.4 51.6
119 33.4 25.8 38.6

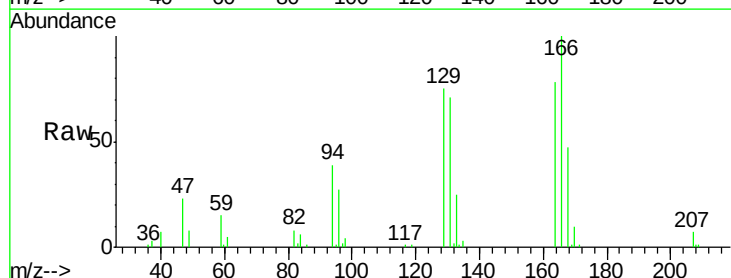


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

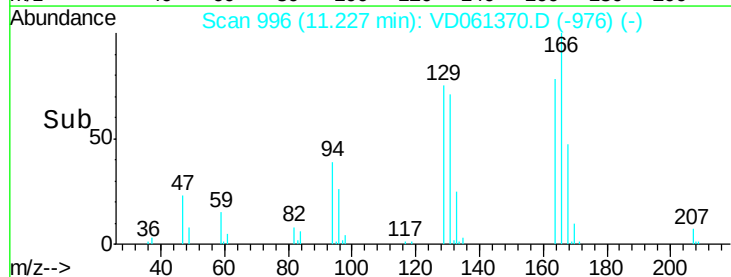
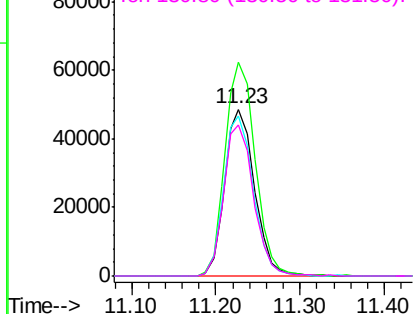


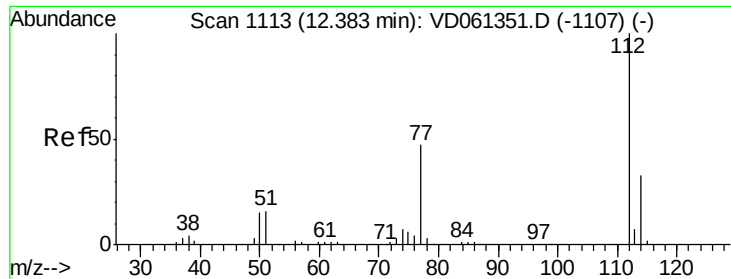
#64
Tetrachloroethene
Concen: 16.150 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion:164 Resp: 119268
Ion Ratio Lower Upper
164 100
166 128.1 102.4 153.6
129 96.3 76.8 115.2
131 90.6 71.8 107.6



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

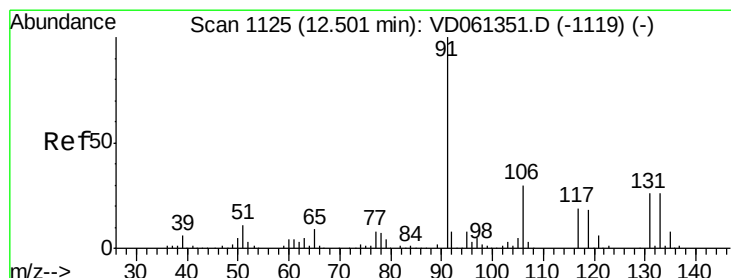
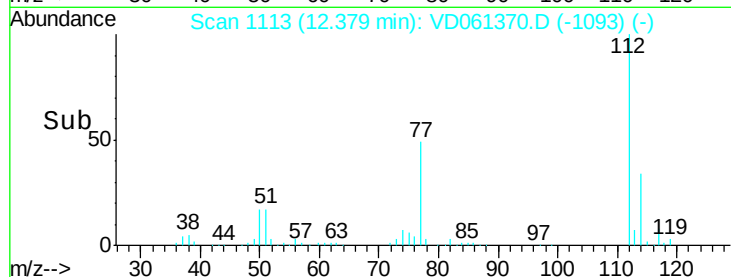
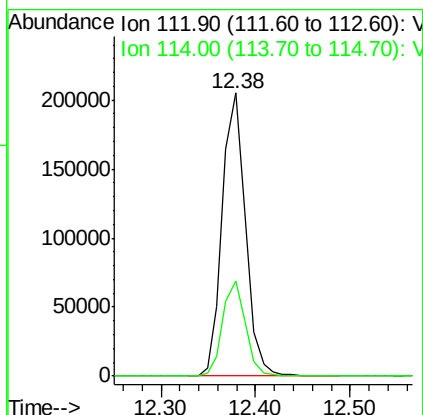
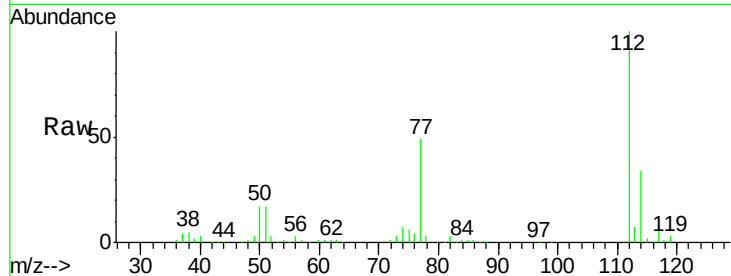




#65
Chlorobenzene
Concen: 18.228 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

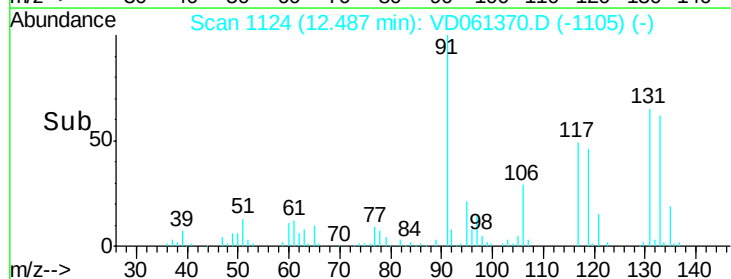
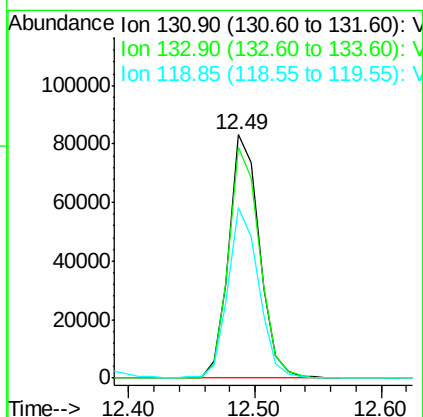
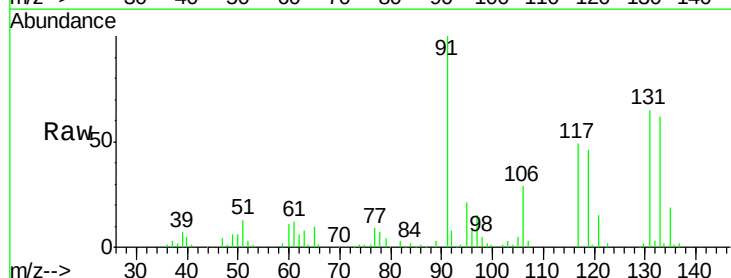
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

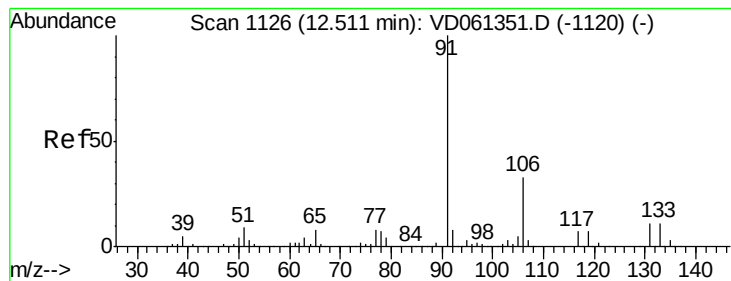
Tot Ion:112 Resp: 350531
Ion Ratio Lower Upper
112 100
114 33.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.721 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion:131 Resp: 139388
Ion Ratio Lower Upper
131 100
133 94.8 49.4 148.2
119 70.3 34.1 102.2





#67

Ethyl Benzene

Concen: 17.878 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

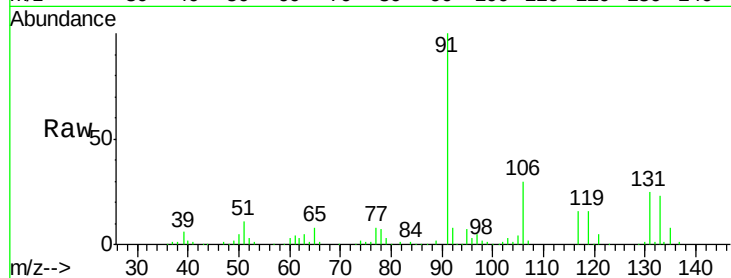
VD0327SBS02

Tot Ion: 91 Resp: 524749

Ion Ratio Lower Upper

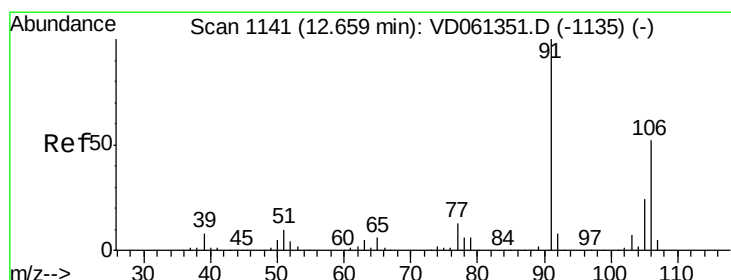
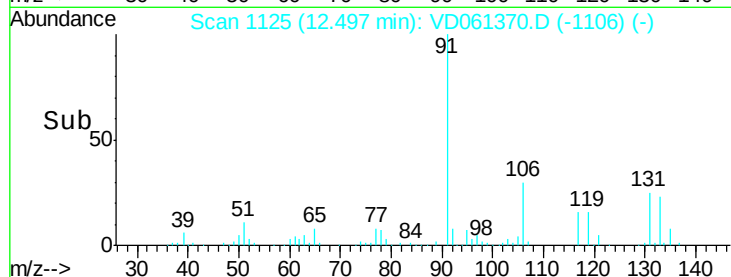
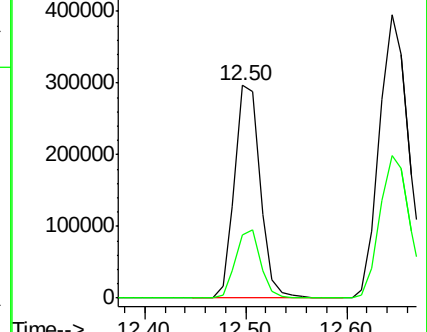
91 100

106 29.6 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 36.707 ug/l

RT: 12.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VD061370.D

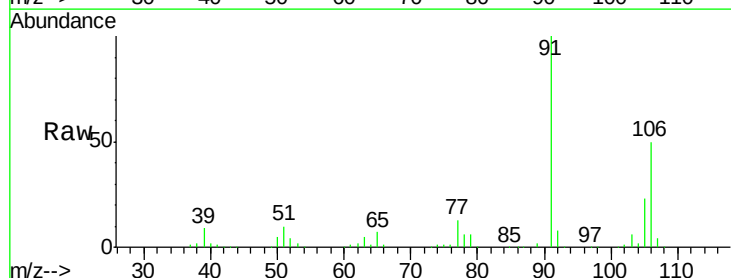
Acq: 28 Mar 2019 1:19

Tgt Ion: 106 Resp: 408137

Ion Ratio Lower Upper

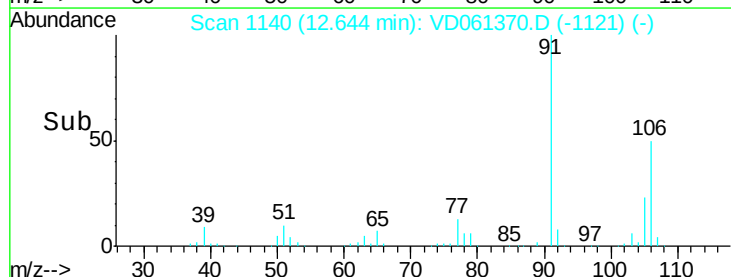
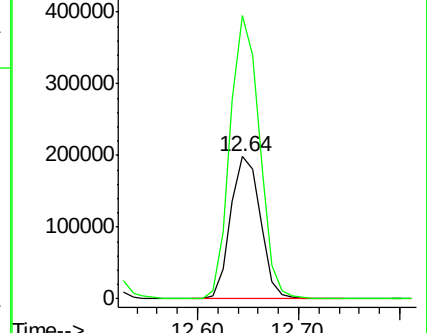
106 100

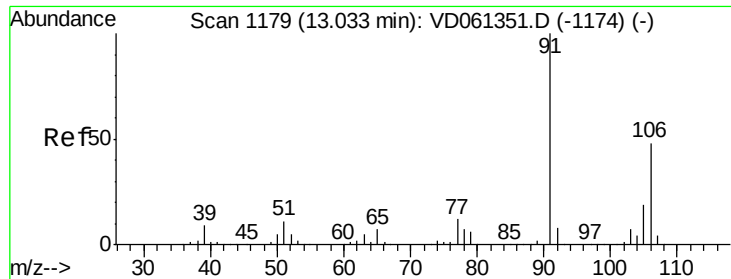
91 198.8 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

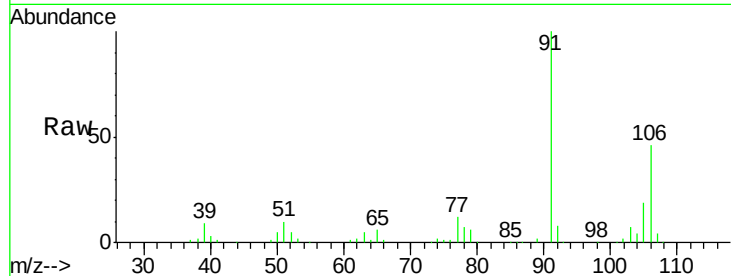




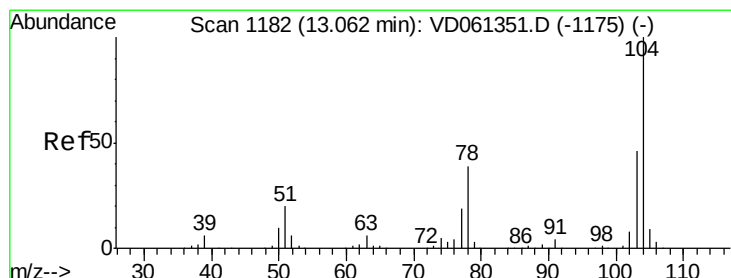
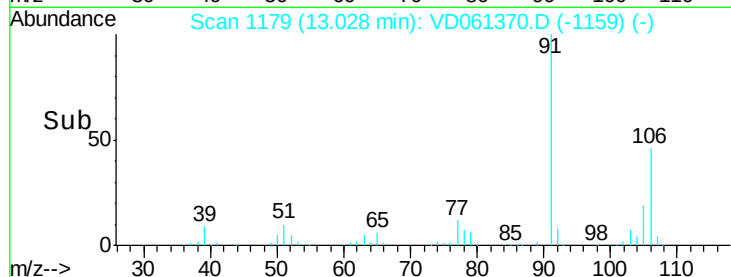
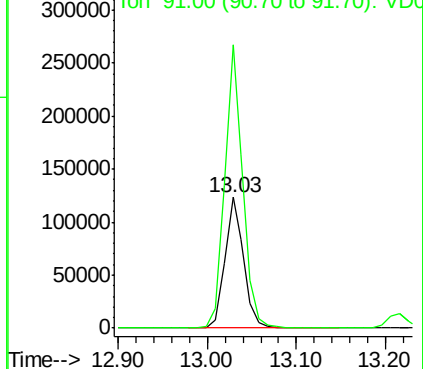
#69
o-Xylene
Concen: 16.908 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS02

Tot Ion:106 Resp: 182438
Ion Ratio Lower Upper
106 100
91 216.3 103.8 311.3

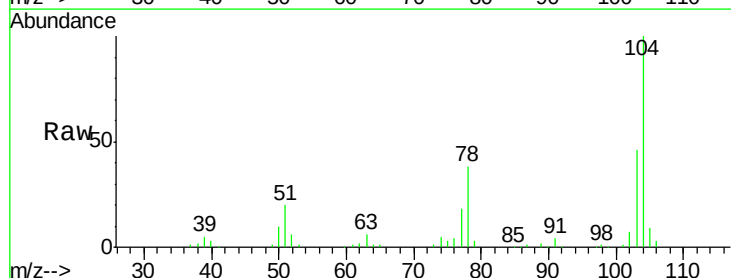


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

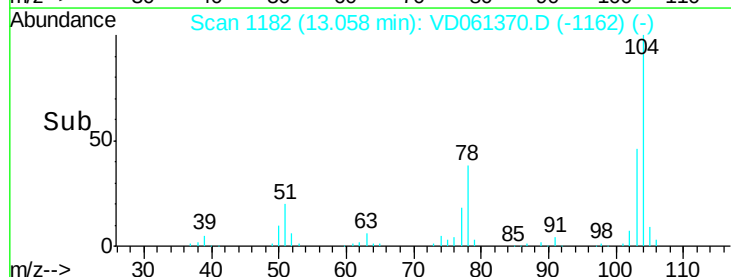
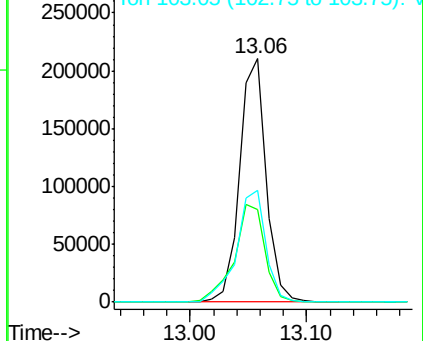


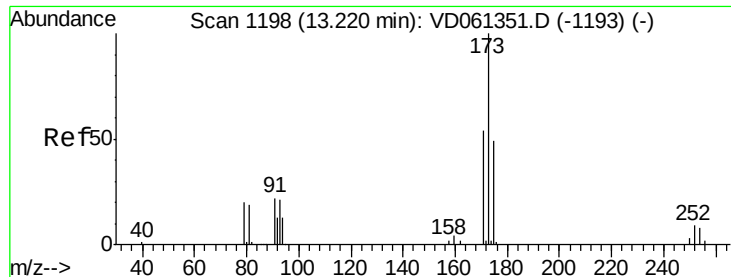
#70
Styrene
Concen: 17.631 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion:104 Resp: 331617
Ion Ratio Lower Upper
104 100
78 37.8 31.0 46.6
103 46.1 37.0 55.4



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

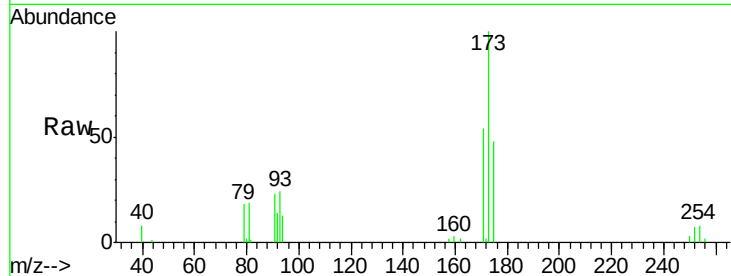




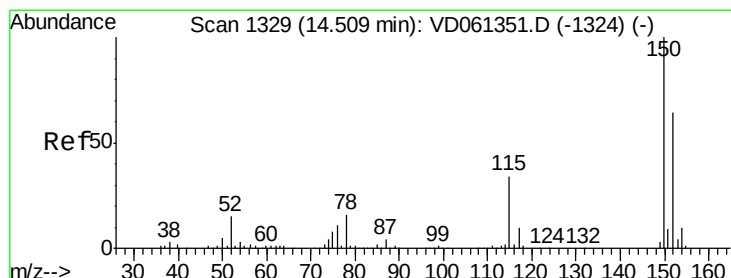
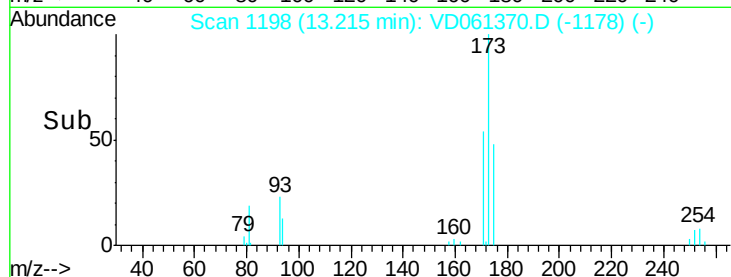
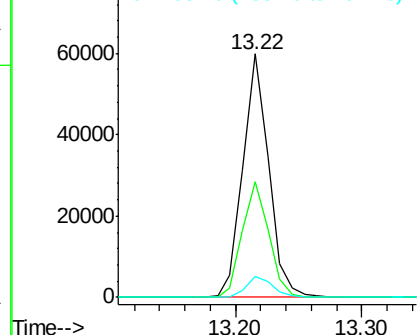
#71
Bromoform
Concen: 17.922 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

Tot Ion:173 Resp: 84592
Ion Ratio Lower Upper
173 100
175 47.7 24.6 73.8
254 8.4 6.6 10.0

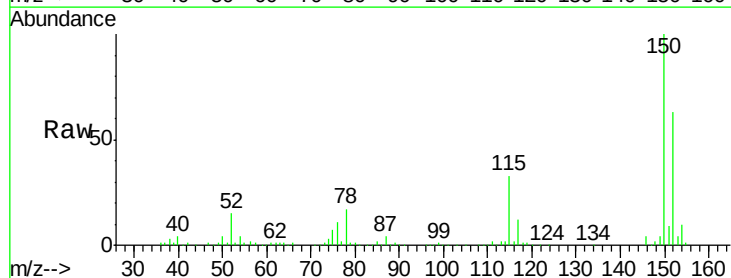


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

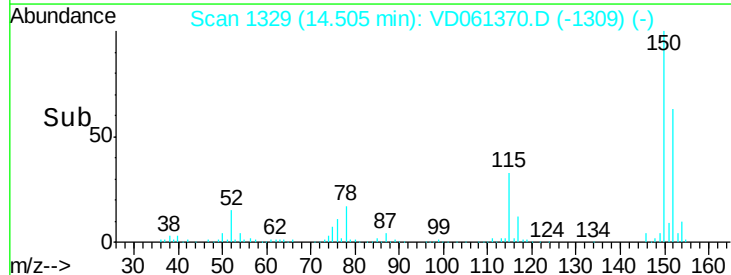
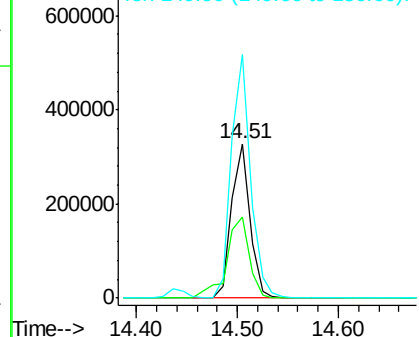


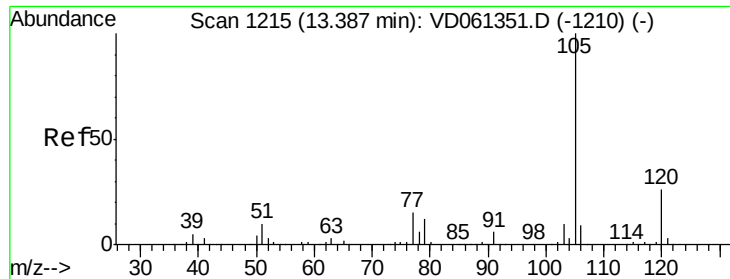
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion:152 Resp: 416533
Ion Ratio Lower Upper
152 100
115 52.9 26.9 80.6
150 158.0 0.0 318.0



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: 18.300 ug/l

RT: 13.38 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

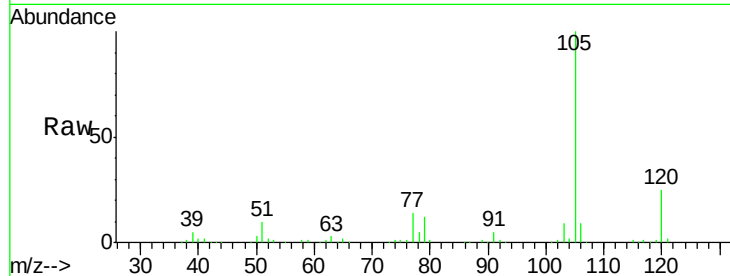
VD0327SBSD02

Tot Ion:105 Resp: 530518

Ion Ratio Lower Upper

105 100

120 24.8 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.38

400000

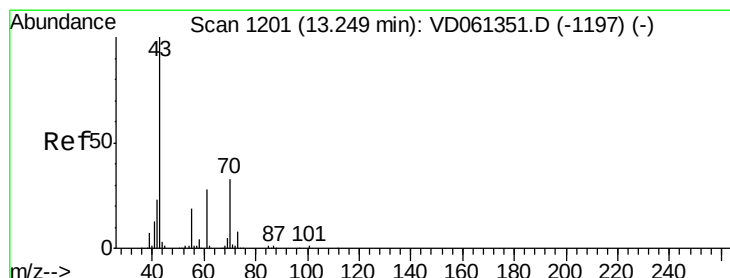
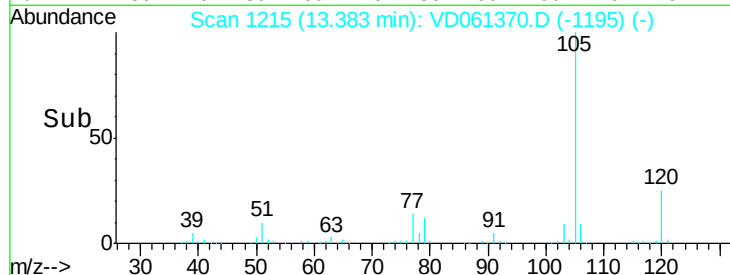
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.285 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Tgt Ion: 43 Resp: 147670

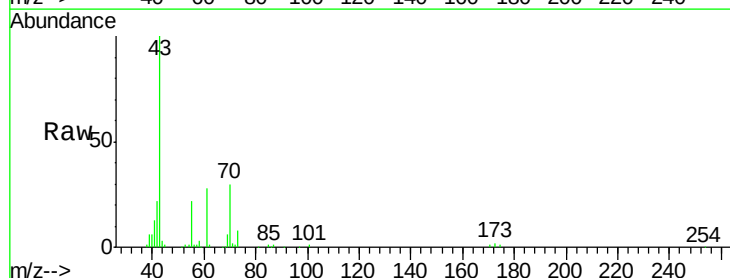
Ion Ratio Lower Upper

43 100

70 30.1 26.6 40.0

55 21.5 15.4 23.2

61 28.1 22.2 33.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.24

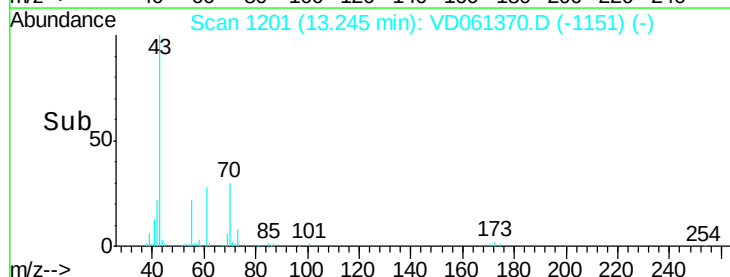
150000

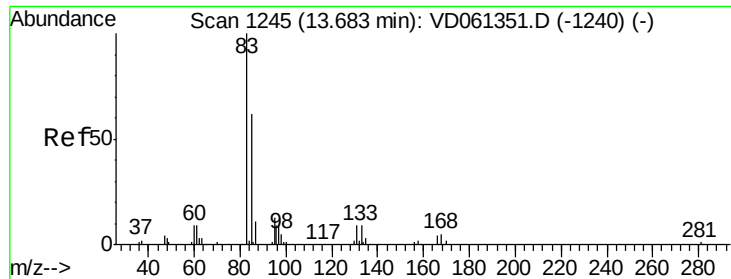
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.517 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD02

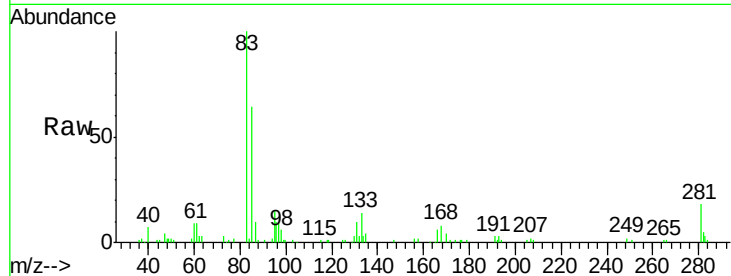
Tot Ion: 83 Resp: 107127

Ion Ratio Lower Upper

83 100

131 10.5 4.3 13.1

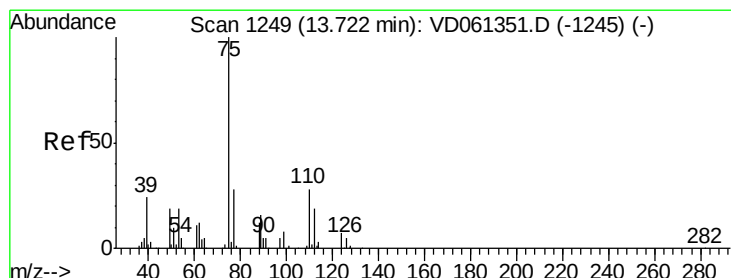
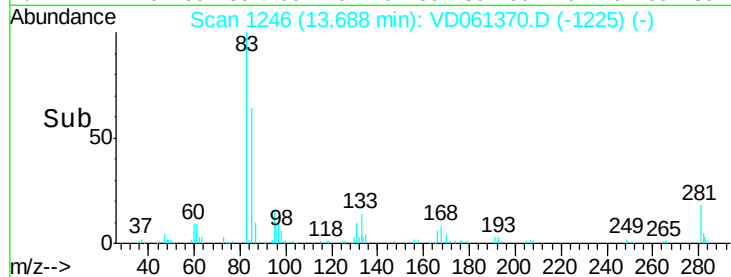
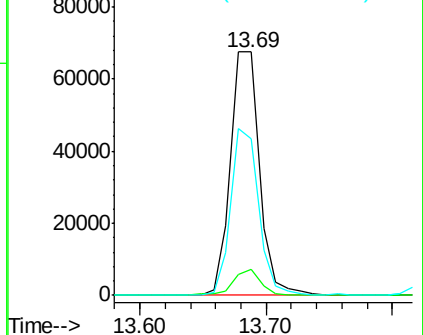
85 64.3 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 17.430 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061370.D

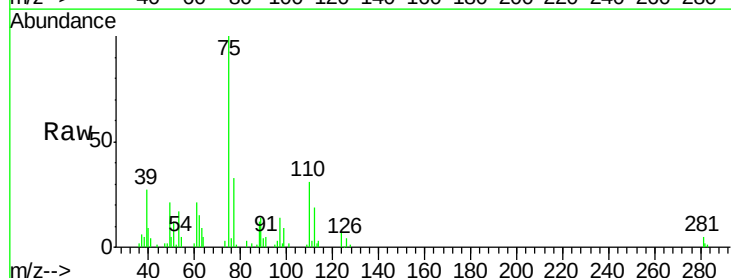
Acq: 28 Mar 2019 1:19

Tgt Ion: 75 Resp: 104876

Ion Ratio Lower Upper

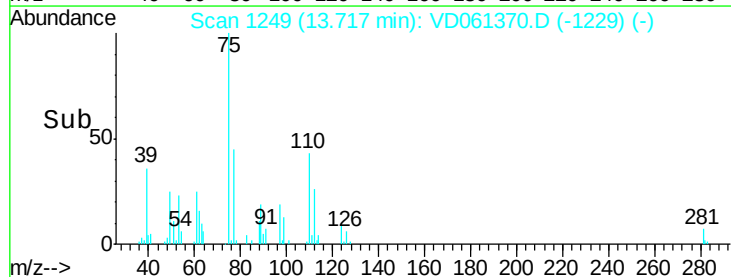
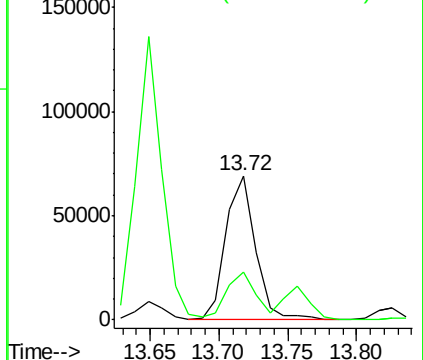
75 100

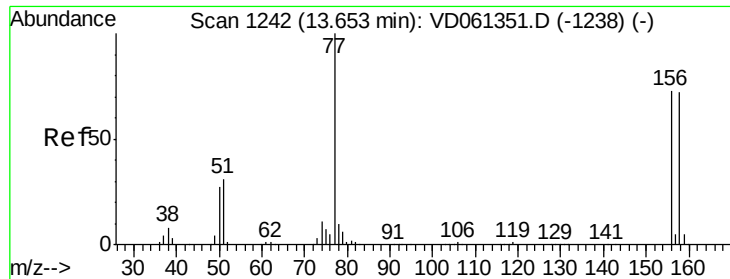
77 33.2 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 17.052 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

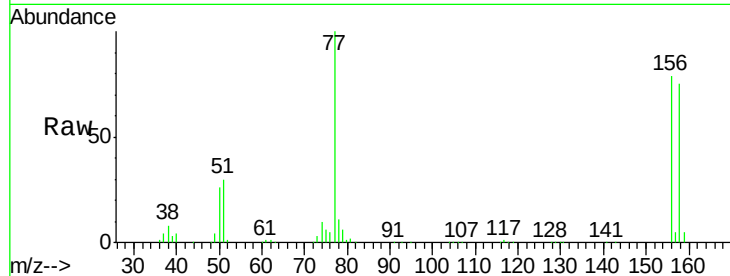
Tot Ion:156 Resp: 146551

Ion Ratio Lower Upper

156 100

77 126.9 68.5 205.6

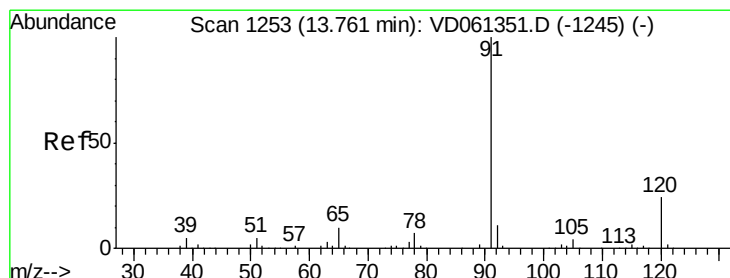
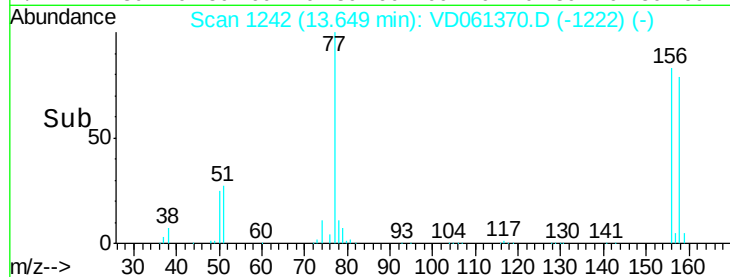
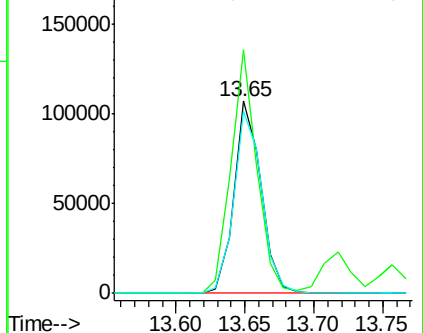
158 94.7 49.1 147.3



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: 16.956 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061370.D

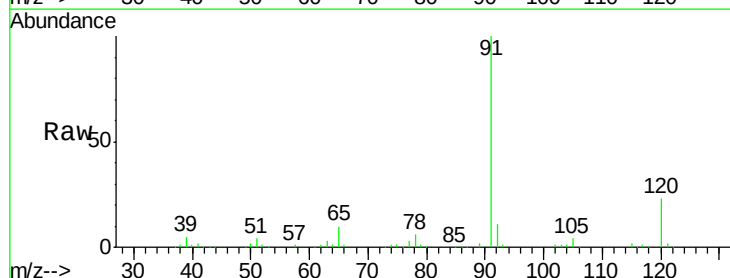
Acq: 28 Mar 2019 1:19

Tgt Ion: 91 Resp: 601565

Ion Ratio Lower Upper

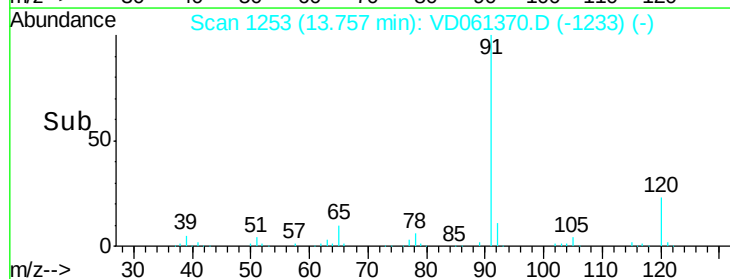
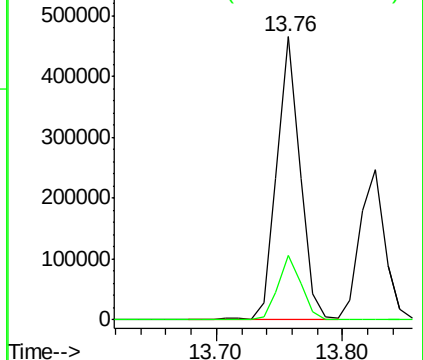
91 100

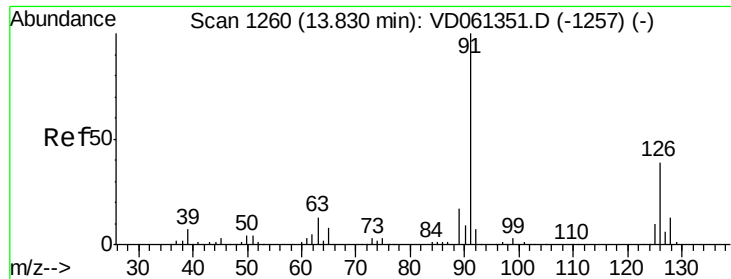
120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 17.435 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

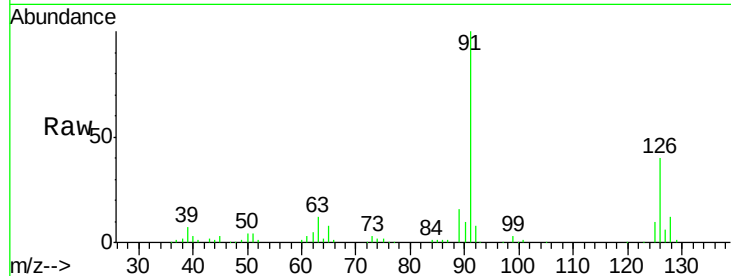
VD0327SBS02

Tot Ion: 91 Resp: 335850

Ion Ratio Lower Upper

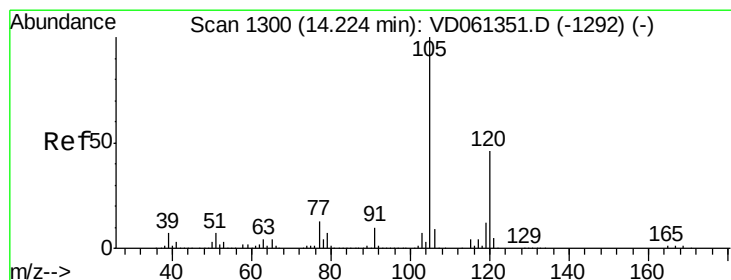
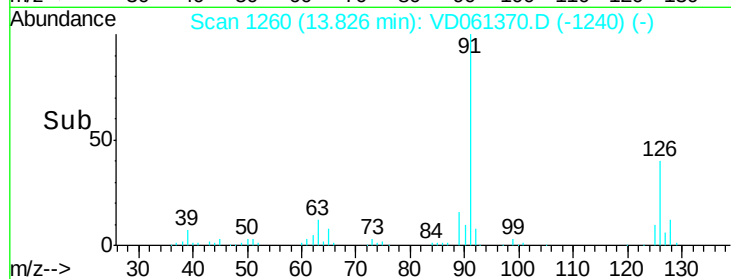
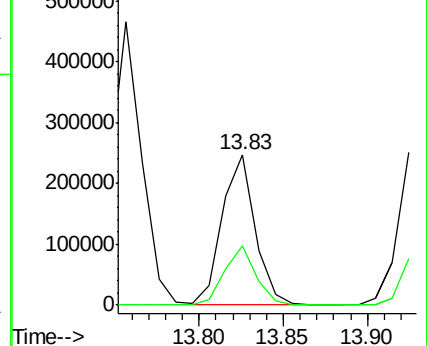
91 100

126 39.6 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.525 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VD061370.D

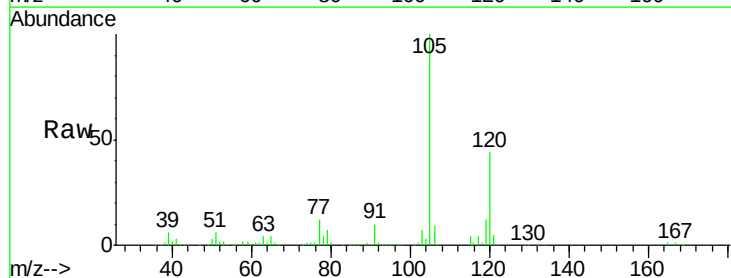
Acq: 28 Mar 2019 1:19

Tgt Ion: 105 Resp: 426760

Ion Ratio Lower Upper

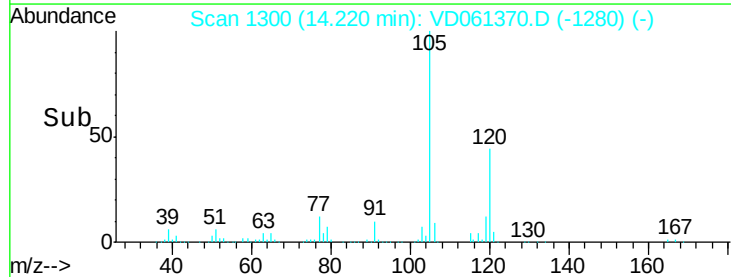
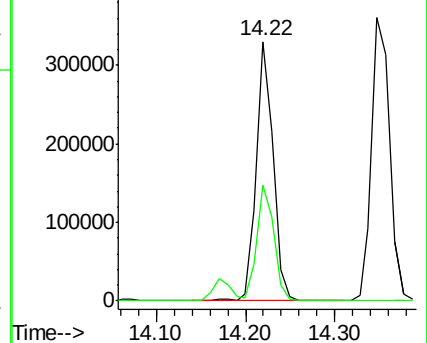
105 100

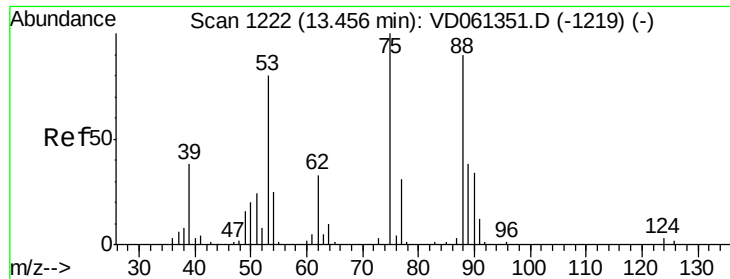
120 44.3 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1292) (-)

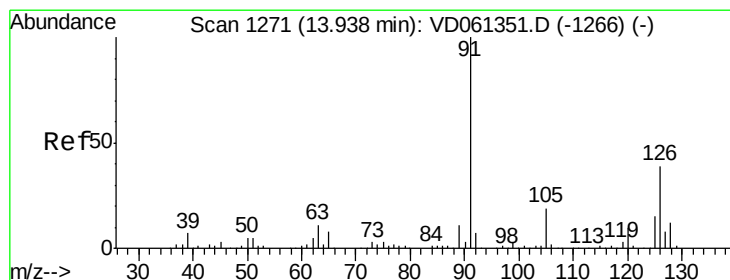
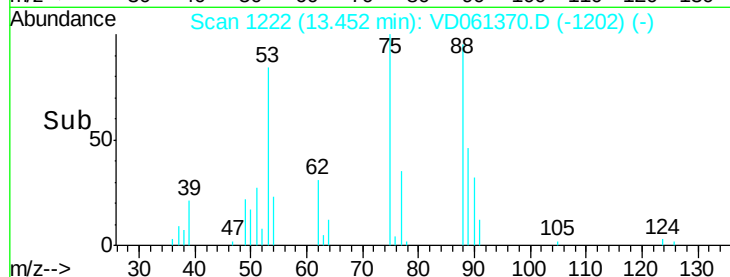
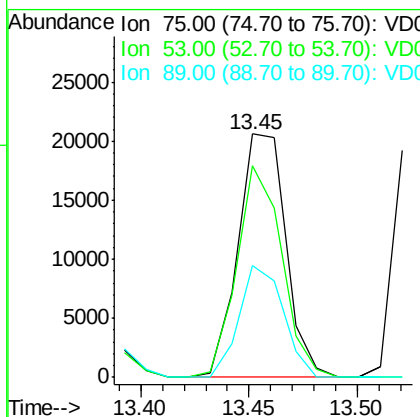
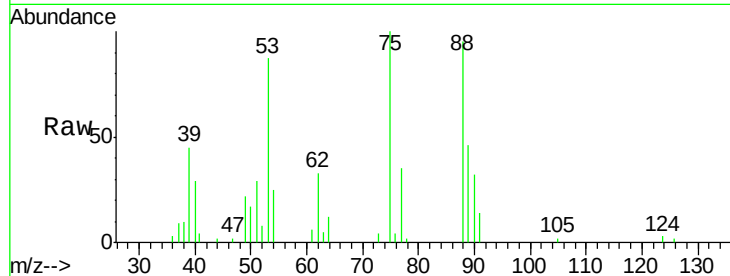




#81
trans-1,4-Dichloro-2-butene
Concen: 17.241 ug/l
RT: 13.45 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

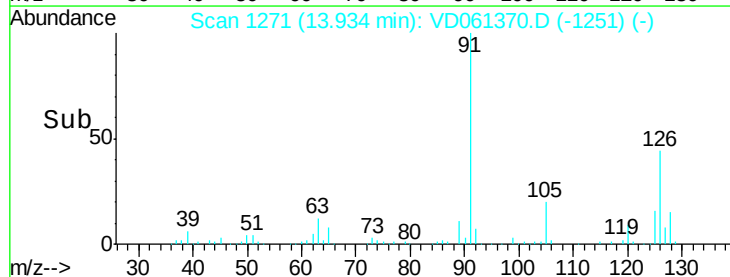
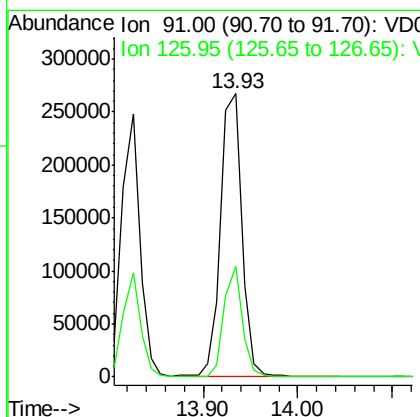
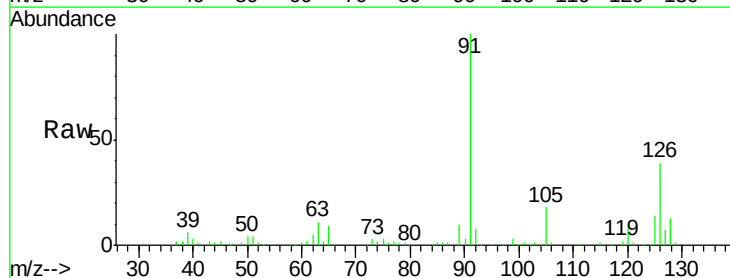
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

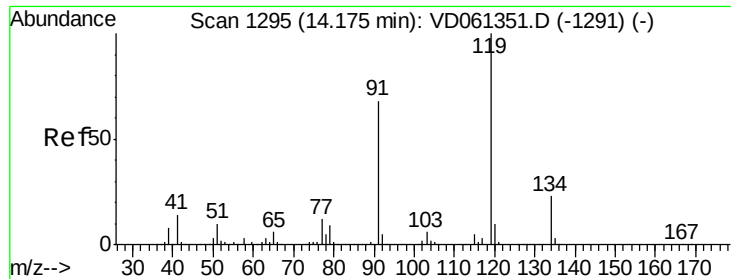
Tot Ion: 75 Resp: 31629
Ion Ratio Lower Upper
75 100
53 87.1 63.8 95.8
89 45.7 30.5 45.7



#82
4-Chlorotoluene
Concen: 19.866 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion: 91 Resp: 416109
Ion Ratio Lower Upper
91 100
126 39.1 19.6 58.8

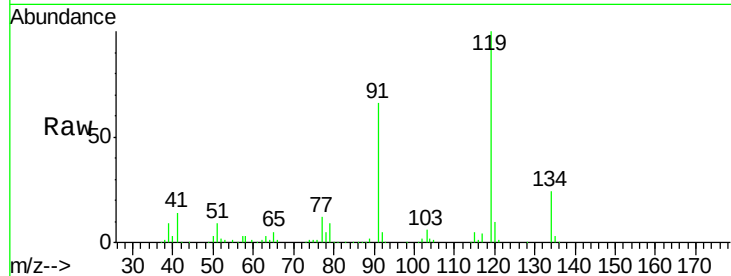




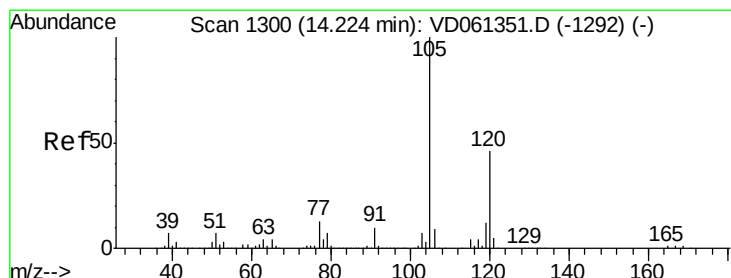
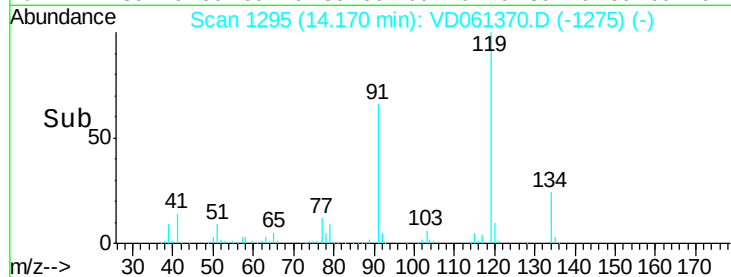
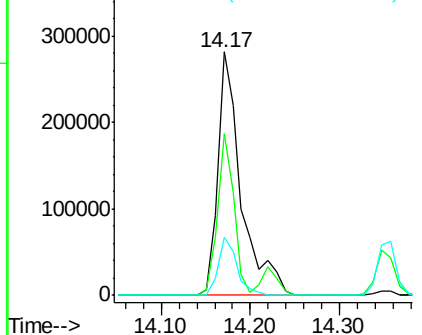
#83
 tert-Butylbenzene
 Concen: 18.314 ug/l
 RT: 14.17 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

Tot Ion:119 Resp: 514801
 Ion Ratio Lower Upper
 119 100
 91 66.3 34.1 102.3
 134 23.8 11.6 34.8

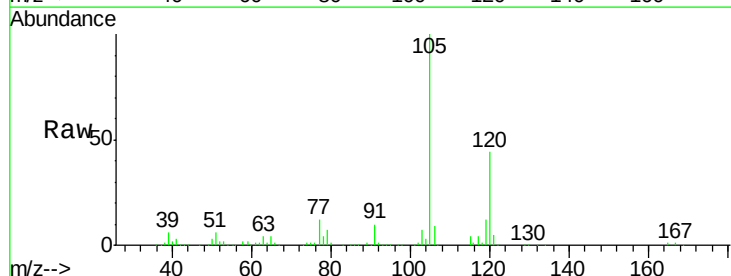


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

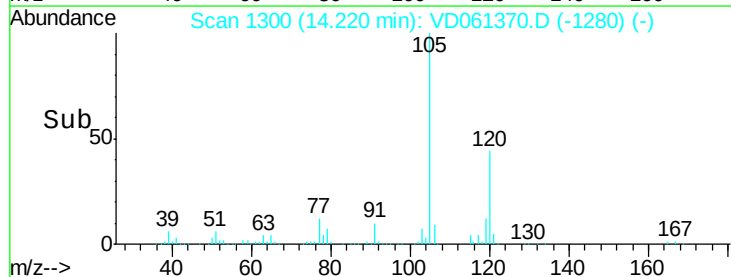
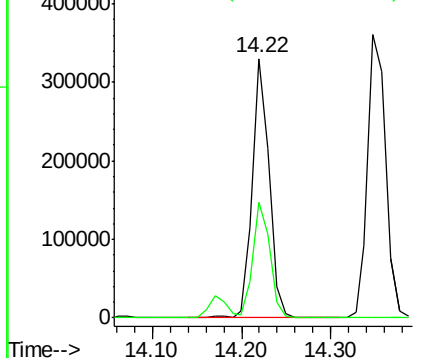


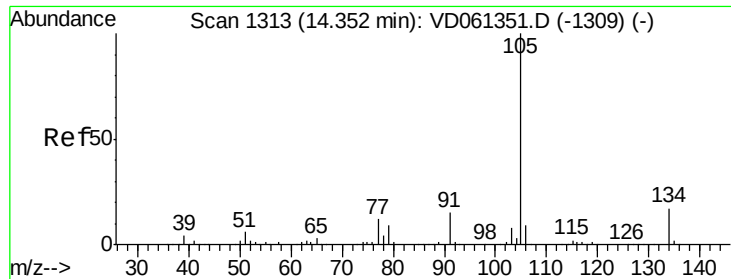
#84
 1,2,4-Trimethylbenzene
 Concen: 17.525 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion:105 Resp: 426760
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 17.041 ug/l

RT: 14.35 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

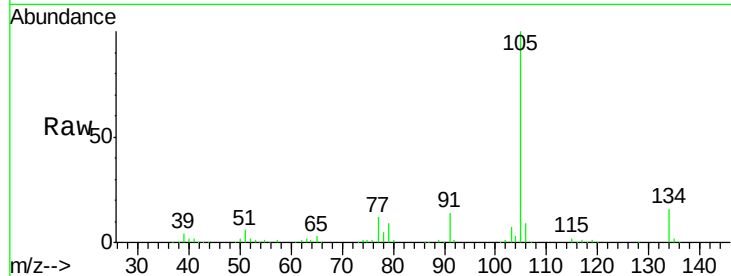
VD0327SBS02

Tot Ion:105 Resp: 508902

Ion Ratio Lower Upper

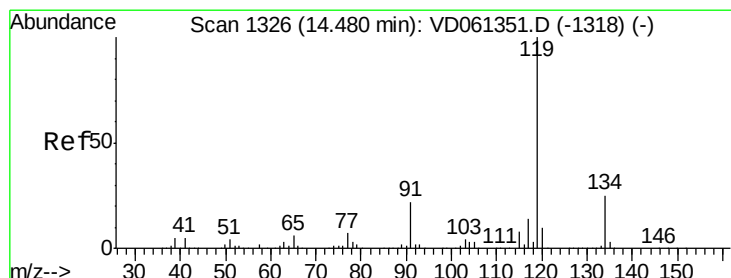
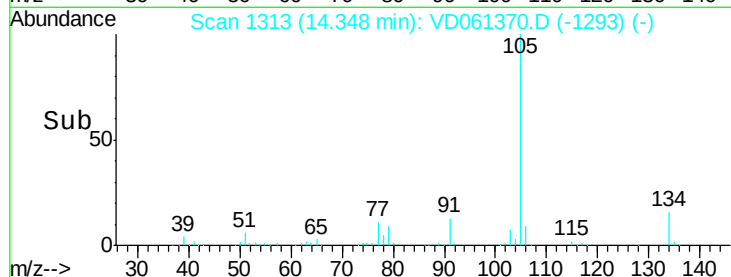
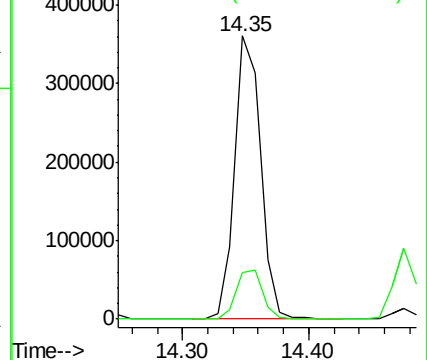
105 100

134 16.3 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.194 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

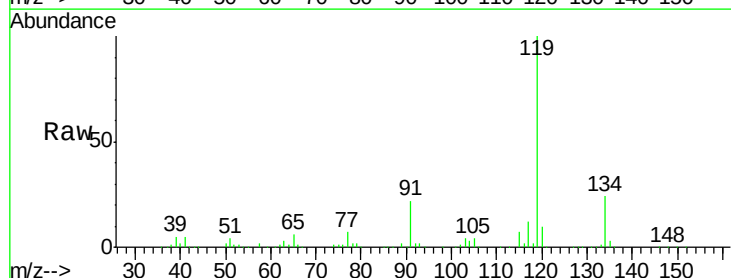
Tgt Ion:119 Resp: 459431

Ion Ratio Lower Upper

119 100

134 23.9 12.3 36.8

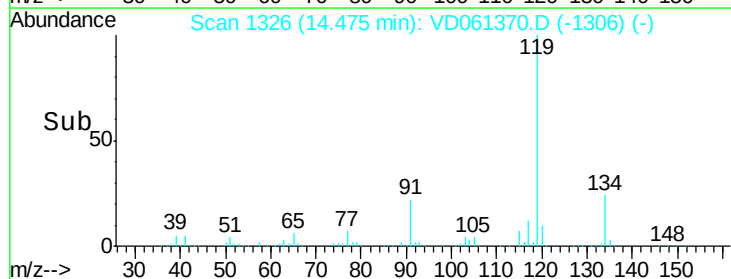
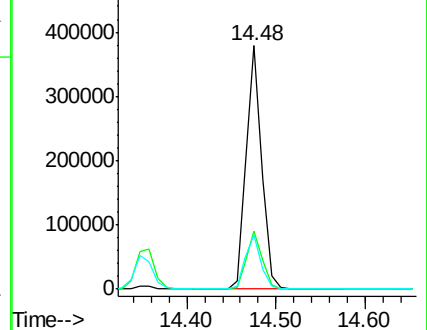
91 22.0 11.1 33.1

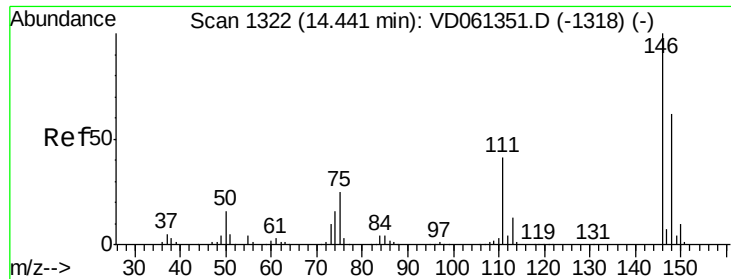


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

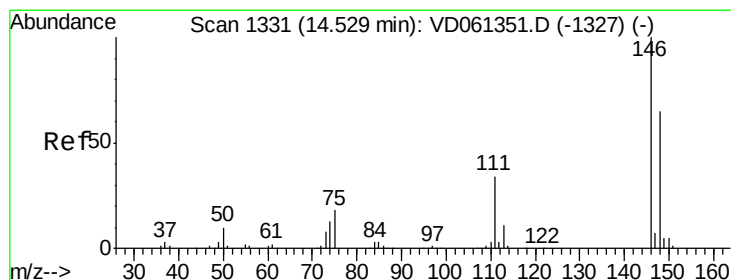
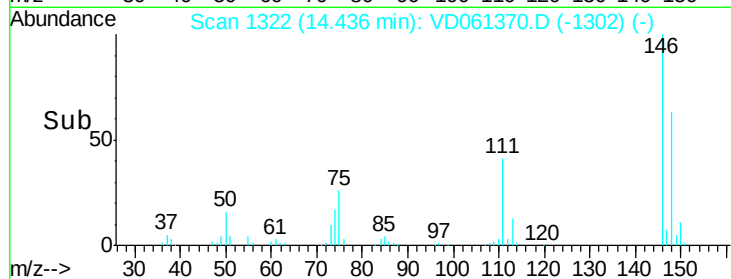
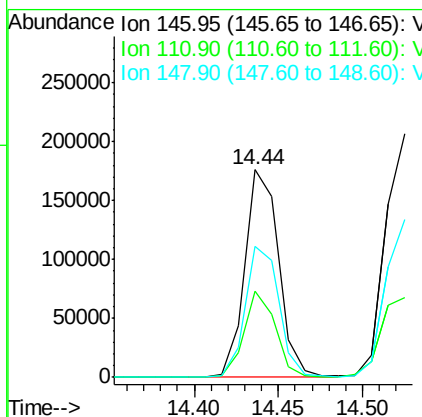
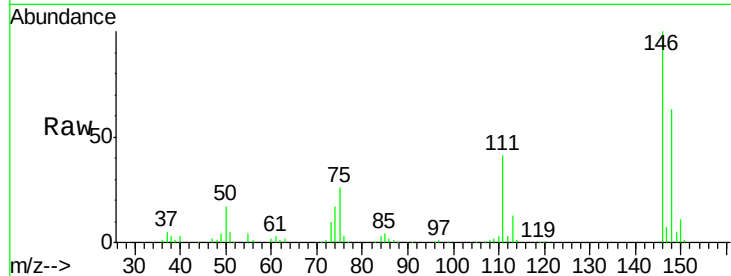




#87
 1,3-Dichlorobenzene
 Concen: 16.880 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

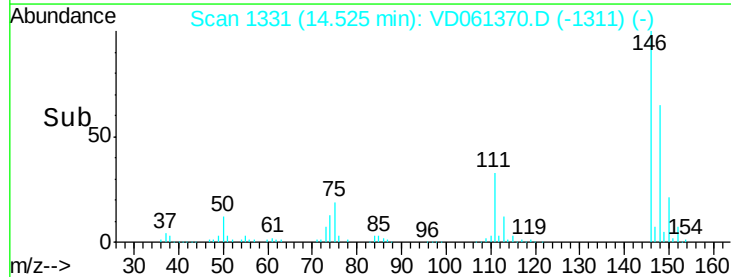
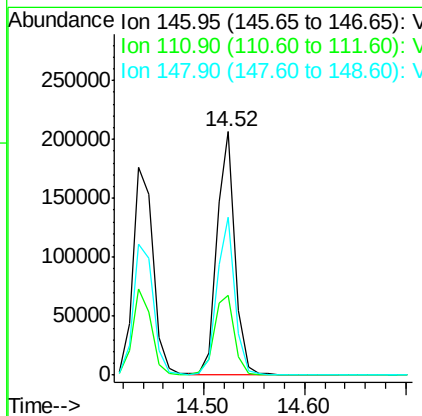
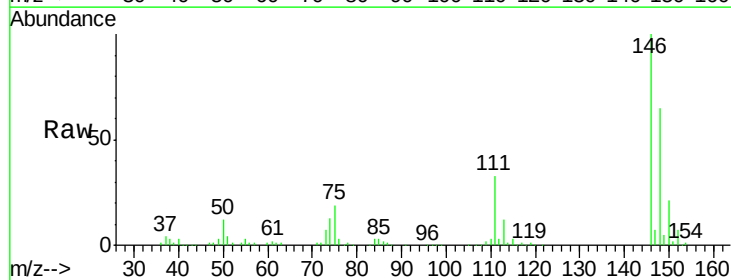
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

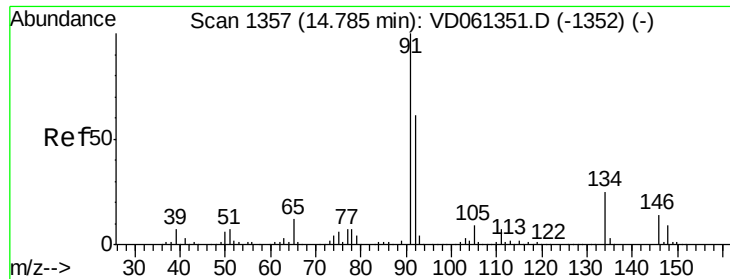
Tot Ion:146 Resp: 245667
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.6 61.9
 148 63.0 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 18.332 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion:146 Resp: 260177
 Ion Ratio Lower Upper
 146 100
 111 32.7 16.8 50.4
 148 64.6 32.6 98.0





#89

n-Butylbenzene

Concen: 18.653 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VD061370.D

Acq: 28 Mar 2019 1:19

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS02

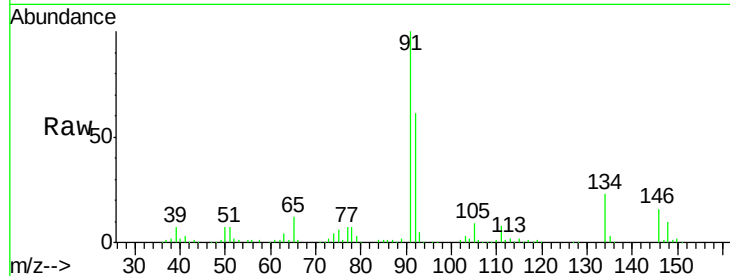
Tot Ion: 91 Resp: 432322

Ion Ratio Lower Upper

91 100

92 60.7 30.3 91.0

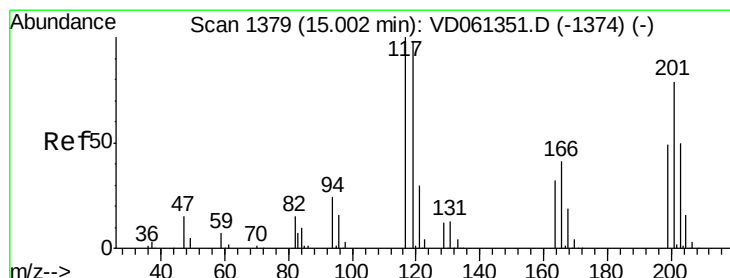
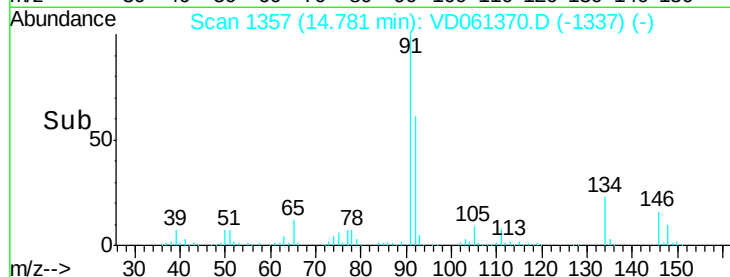
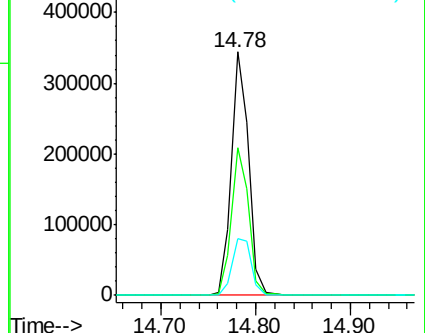
134 23.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 17.057 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061370.D

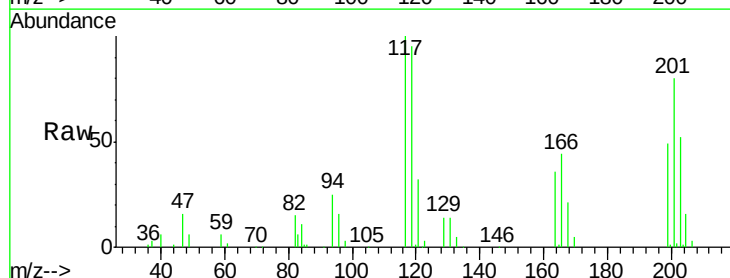
Acq: 28 Mar 2019 1:19

Tgt Ion: 117 Resp: 121680

Ion Ratio Lower Upper

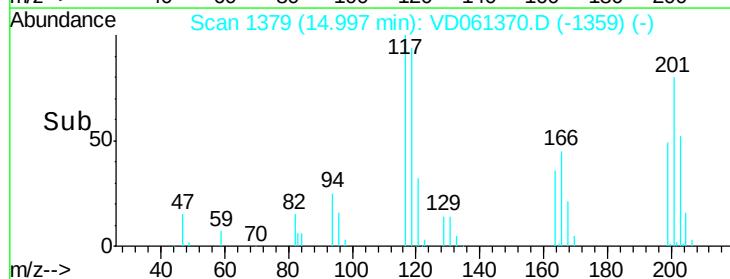
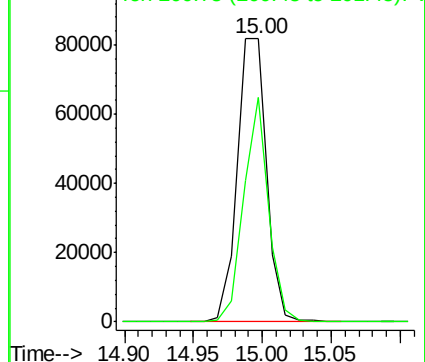
117 100

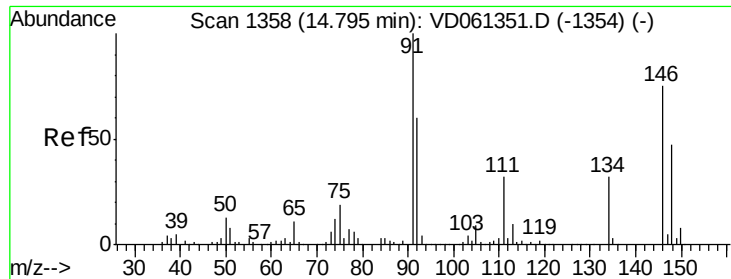
201 79.5 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

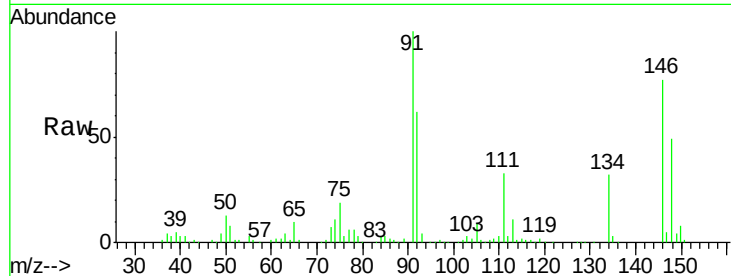




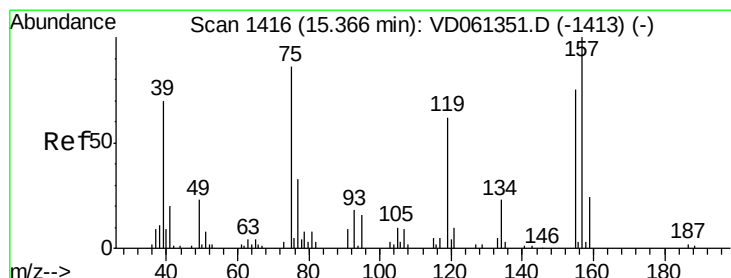
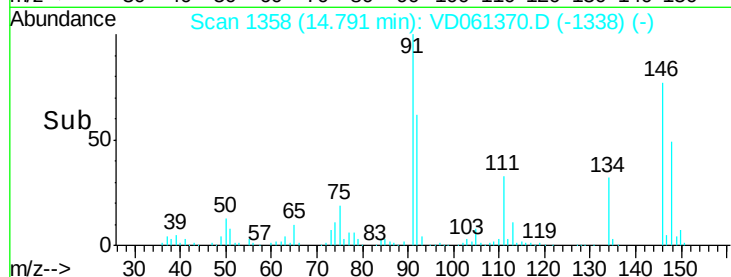
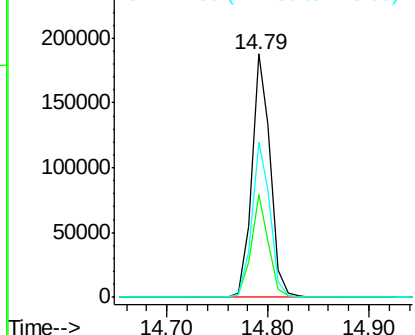
#91
 1,2-Dichlorobenzene
 Concen: 20.123 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

Tot Ion:146 Resp: 240218
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.2 63.6
 148 63.8 31.6 95.0

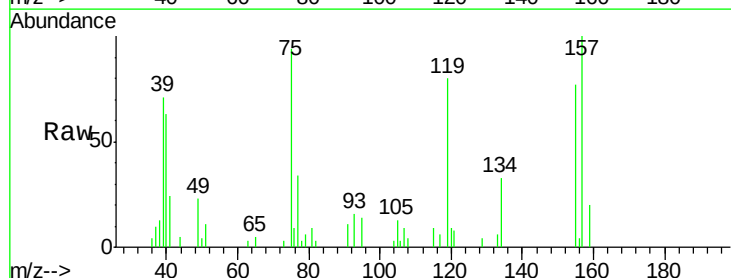


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

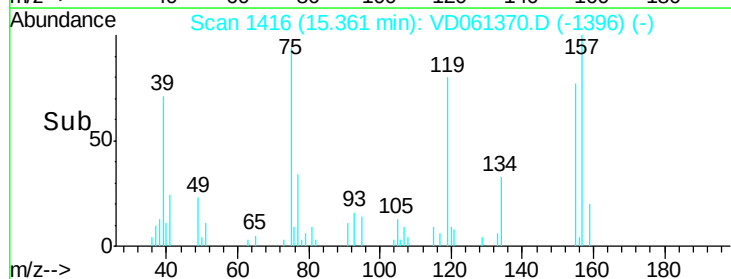
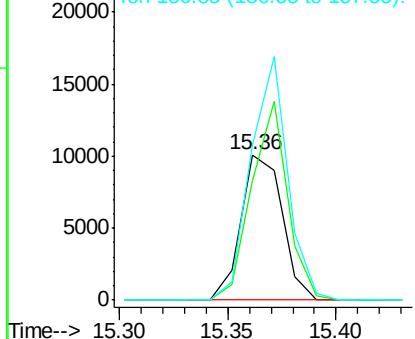


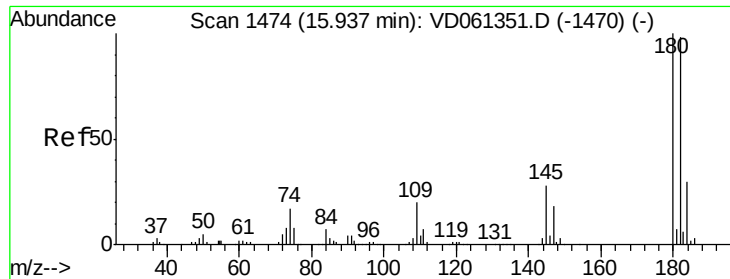
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.809 ug/l
 RT: 15.36 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion: 75 Resp: 13491
 Ion Ratio Lower Upper
 75 100
 155 81.9 43.6 130.9
 157 106.7 58.5 175.3



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

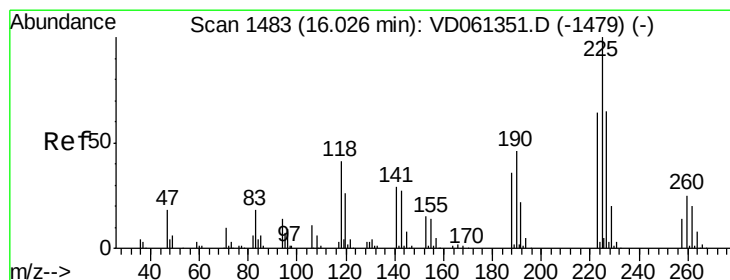
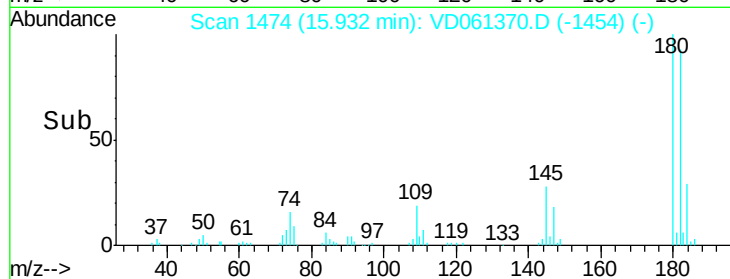
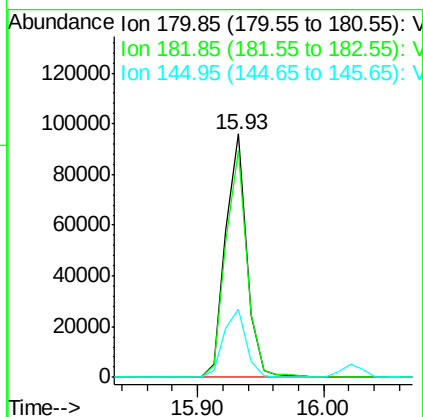
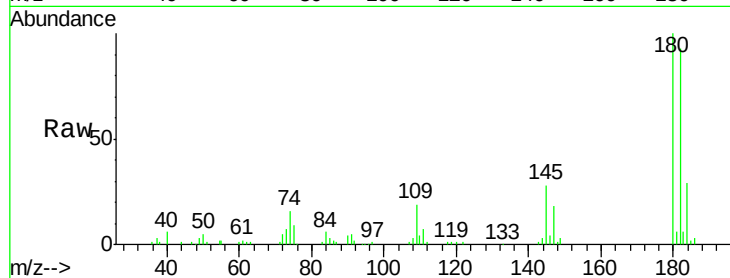




#93
 1,2,4-Trichlorobenzene
 Concen: 20.541 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

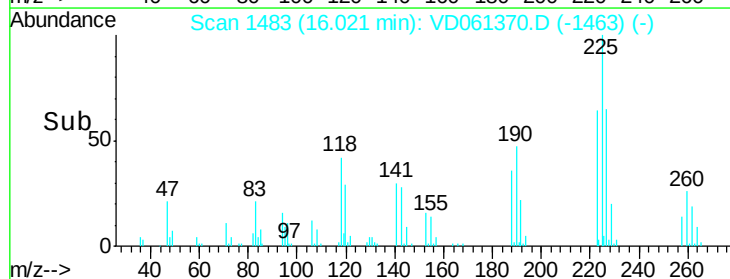
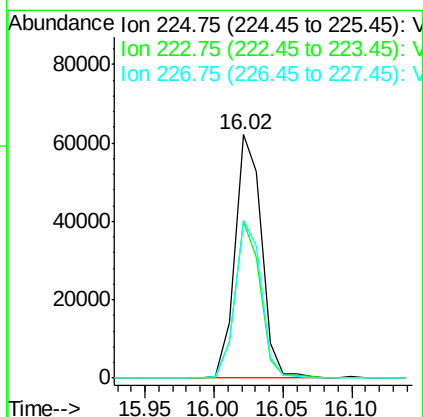
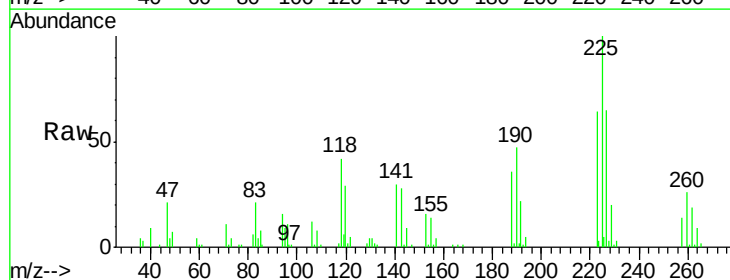
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD02

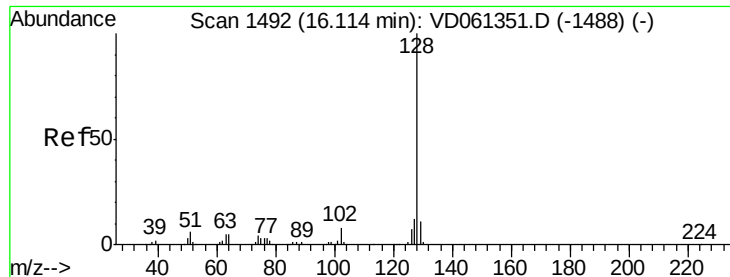
Tot Ion:180 Resp: 111705
 Ion Ratio Lower Upper
 180 100
 182 93.1 48.9 146.8
 145 28.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 19.629 ug/l
 RT: 16.02 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD061370.D
 Acq: 28 Mar 2019 1:19

Tgt Ion:225 Resp: 83412
 Ion Ratio Lower Upper
 225 100
 223 64.5 32.0 96.0
 227 65.0 32.4 97.2

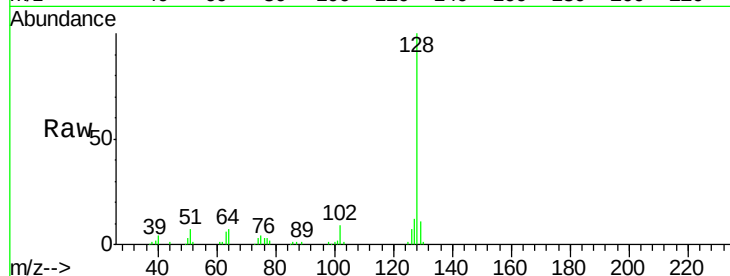




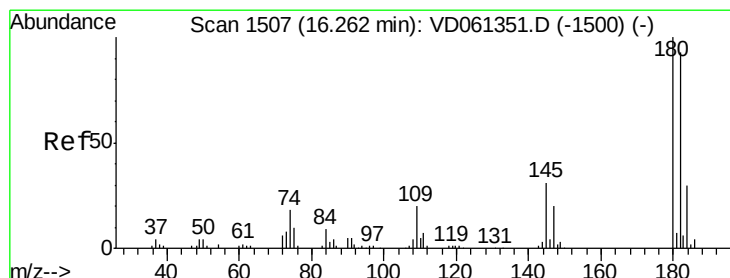
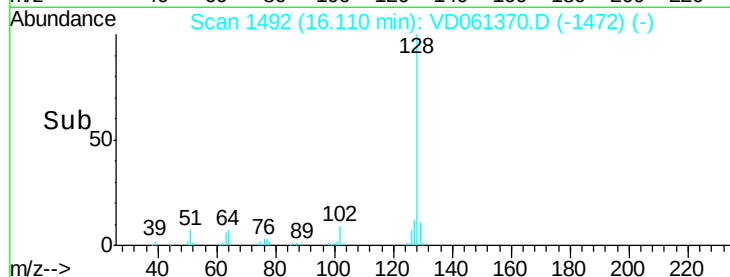
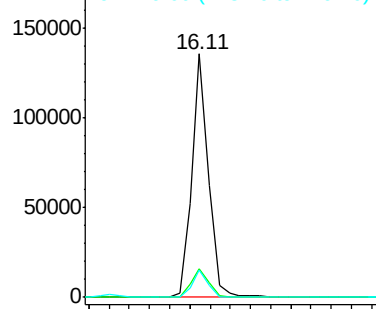
#95
Naphthalene
Concen: 18.949 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD02

Tot Ion:128 Resp: 157064
Ion Ratio Lower Upper
128 100
127 11.8 9.9 14.9
129 11.0 8.9 13.3

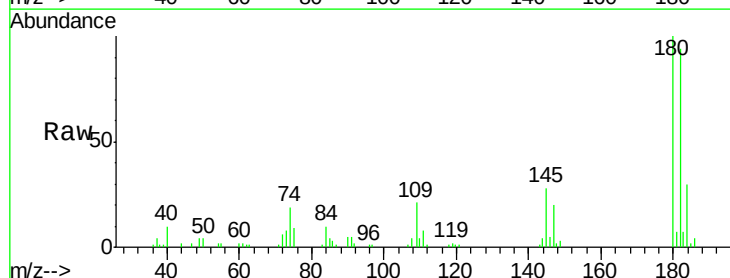


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 24.169 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061370.D
Acq: 28 Mar 2019 1:19

Tgt Ion:180 Resp: 57835
Ion Ratio Lower Upper
180 100
182 93.7 46.4 139.1
145 28.3 15.3 45.9



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

