

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061760.D
 Acq On : 12 Apr 2019 2:52
 Operator : VA/AP
 Sample : VD0411SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

Quant Time: Apr 12 03:16:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	528279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	897885	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	669939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	347971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	208673	52.11	ug/l	-0.02
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	6.91	113	299676	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	10.40	98	634966	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	
62) 4-Bromofluorobenzene	13.55	95	278638	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	96815	16.987	ug/l	98
3) Chloromethane	1.75	50	91461	19.859	ug/l	93
4) Vinyl Chloride	1.84	62	84380	19.607	ug/l	98
5) Bromomethane	2.15	94	20180	20.259	ug/l	99
6) Chloroethane	2.26	64	29728	22.055	ug/l	91
7) Trichlorofluoromethane	2.52	101	139789	21.513	ug/l	94
8) Diethyl Ether	2.87	74	37624	20.632	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	119667	18.732	ug/l	95
10) Methyl Iodide	3.30	142	168903	20.088	ug/l	96
11) Tert butyl alcohol	4.06	59	25321	94.353	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	107947	19.601	ug/l	99
13) Acrolein	3.02	56	21822	66.694	ug/l	89
14) Allyl chloride	3.61	41	151474	20.166	ug/l	97
15) Acrylonitrile	4.19	53	94174	101.942	ug/l	98
16) Acetone	3.21	43	97021	81.052	ug/l	95
17) Carbon Disulfide	3.37	76	331404	18.520	ug/l	98
18) Methyl Acetate	3.63	43	49777	22.102	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	219579	23.027	ug/l	99
20) Methylene Chloride	3.81	84	144162	21.223	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	126068	21.076	ug/l	98
22) Diisopropyl ether	5.10	45	347826	22.086	ug/l	99
23) Vinyl Acetate	5.04	43	928602	106.862	ug/l	100
24) 1,1-Dichloroethane	4.97	63	204347	21.175	ug/l	99
25) 2-Butanone	6.06	43	133115	96.462	ug/l	97
26) 2,2-Dichloropropane	6.01	77	161465	20.548	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	141720	22.209	ug/l	94
28) Bromochloromethane	6.42	49	69302	19.467	ug/l	98
29) Tetrahydrofuran	6.44	42	68332	102.576	ug/l	98
30) Chloroform	6.65	83	222009	21.960	ug/l	96
31) Cyclohexane	6.94	56	135045	17.912	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	186858	21.091	ug/l	96
36) 1,1-Dichloropropene	7.13	75	155885	19.837	ug/l	96
37) Ethyl Acetate	6.17	43	74370	23.235	ug/l	97
38) Carbon Tetrachloride	7.10	117	189908	20.620	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	149006	18.470	ug/l	95
40) Benzene	7.44	78	407396	21.490	ug/l	100
41) Methacrylonitrile	6.43	41	79173	21.190	ug/l	98
42) 1,2-Dichloroethane	7.56	62	141180	23.680	ug/l	96
43) Isopropyl Acetate	9.23	43	95276	20.511	ug/l #	99
44) Trichloroethene	8.53	130	135044	18.581	ug/l	95
45) 1,2-Dichloropropane	8.93	63	98876	21.031	ug/l	100
46) Dibromomethane	9.05	93	75907	22.591	ug/l	95
47) Bromodichloromethane	9.36	83	163574	22.165	ug/l	98
48) Methyl methacrylate	9.11	41	58039	21.675	ug/l	99
49) 1,4-Dioxane	9.07	88	13040	441.201	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	299220	108.920	ug/l	100
52) Toluene	10.50	92	234542	19.813	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	148448	22.948	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	164463	20.624	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	80499	20.162	ug/l	97
56) Ethyl methacrylate	11.03	69	91622	21.753	ug/l	95
57) 1,3-Dichloropropane	11.39	76	131251	22.448	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	219688	110.542	ug/l	98
59) 2-Hexanone	11.52	43	214470	100.595	ug/l	99
60) Dibromochloromethane	11.68	129	137405	21.783	ug/l	98
61) 1,2-Dibromoethane	11.80	107	101475	21.733	ug/l	100
64) Tetrachloroethene	11.24	164	124728	23.985	ug/l	98
65) Chlorobenzene	12.39	112	305331	22.982	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	118646	23.208	ug/l	95
67) Ethyl Benzene	12.51	91	461711	22.822	ug/l	98
68) m/p-Xylenes	12.66	106	382564	49.049	ug/l	97
69) o-Xylene	13.04	106	180314	23.949	ug/l	97
70) Styrene	13.07	104	293633	22.837	ug/l	99
71) Bromoform	13.22	173	73298	23.108	ug/l	96
73) Isopropylbenzene	13.39	105	446275	19.248	ug/l	99
74) N-amyl acetate	13.26	43	115539	18.341	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	91658	19.119	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	90561	19.129	ug/l	97
77) Bromobenzene	13.66	156	135379	20.116	ug/l	96
78) n-propylbenzene	13.77	91	514526	18.552	ug/l	98
79) 2-Chlorotoluene	13.83	91	354182	22.331	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	357175	19.409	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	26283	18.295	ug/l	93
82) 4-Chlorotoluene	13.94	91	356414	20.508	ug/l	97
83) tert-Butylbenzene	14.18	119	452636	20.400	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	389983	20.997	ug/l	95
85) sec-Butylbenzene	14.36	105	442355	18.452	ug/l	98
86) p-Isopropyltoluene	14.48	119	410599	19.744	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	237405	20.497	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	231025	19.769	ug/l	99
89) n-Butylbenzene	14.79	91	324373	17.945	ug/l	98
90) Hexachloroethane	15.01	117	118500	21.000	ug/l	72
91) 1,2-Dichlorobenzene	14.80	146	183061	19.177	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12802	22.129	ug/l	81

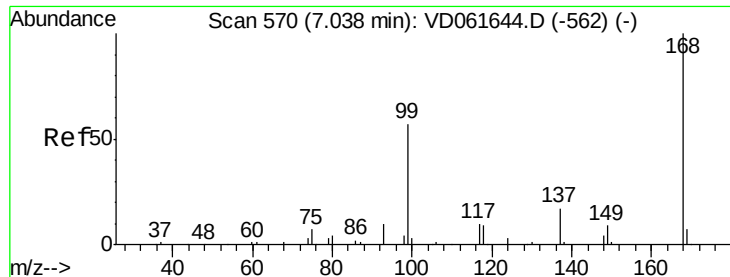
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
Data File : VD061760.D
Acq On : 12 Apr 2019 2:52
Operator : VA/AP
Sample : VD0411SBS02
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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	90851	18.681	ug/l	97
94) Hexachlorobutadiene	16.03	225	67480	17.969	ug/l	100
95) Naphthalene	16.12	128	161832	21.030	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	52892	21.791	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

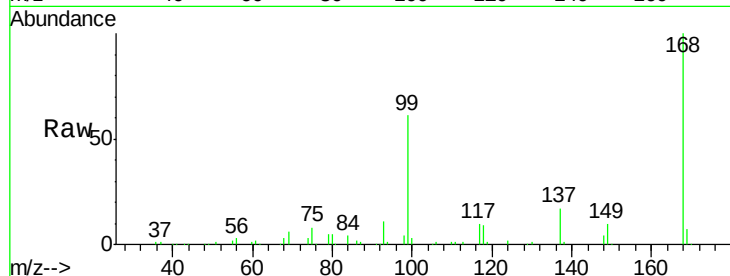
VD0411SBS02

Tot Ion:168 Resp: 528279

Ion Ratio Lower Upper

168 100

99 60.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

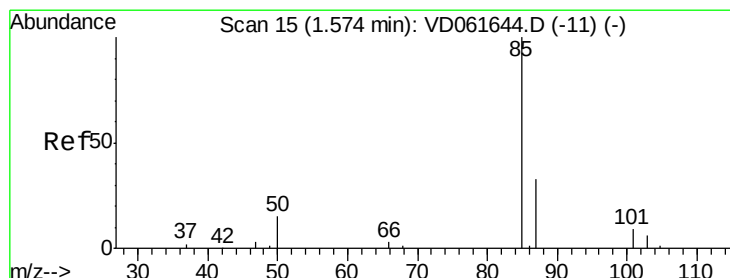
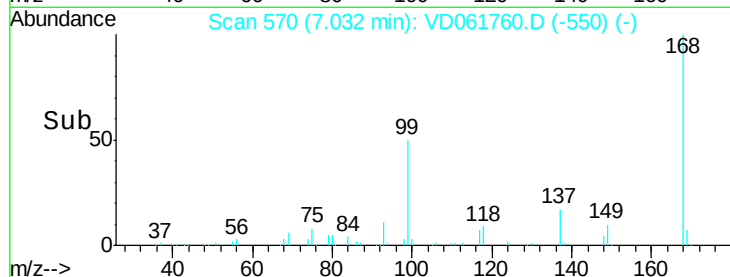
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 16.987 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061760.D

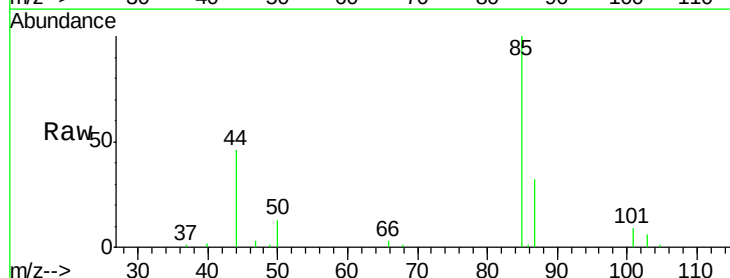
Acq: 12 Apr 2019 2:52

Tgt Ion: 85 Resp: 96815

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

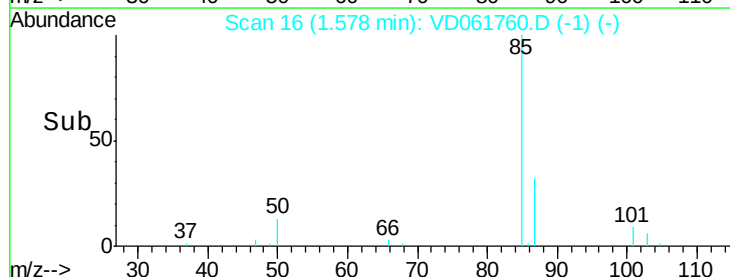
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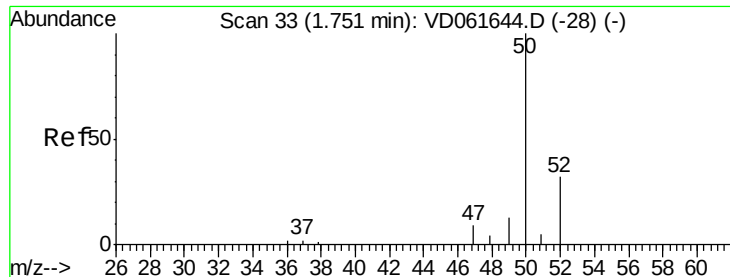
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0

1.50 1.60 1.70 1.80

Time-->

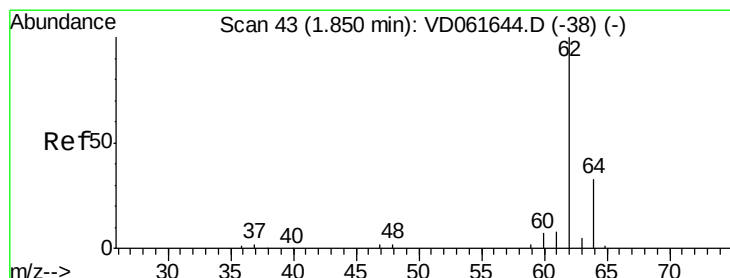
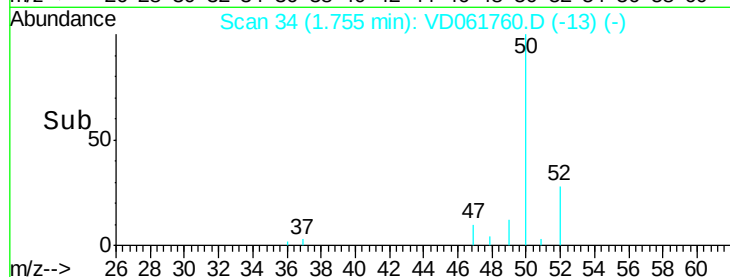
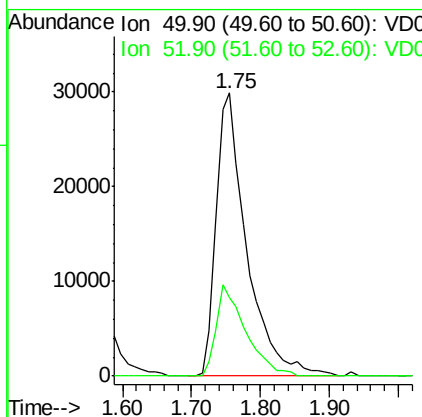
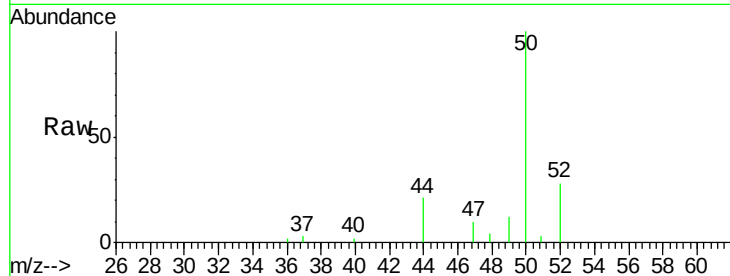




#3
Chloromethane
Concen: 19.859 ug/l
RT: 1.75 min Scan# 34
Delta R.T. 0.00 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

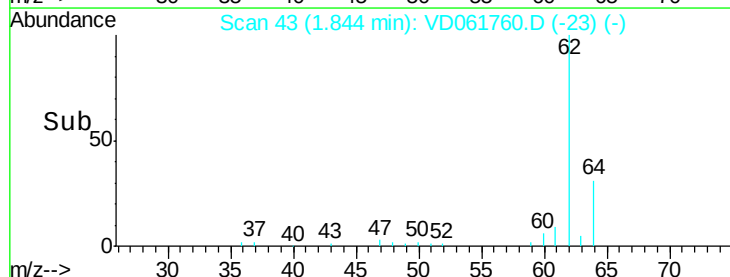
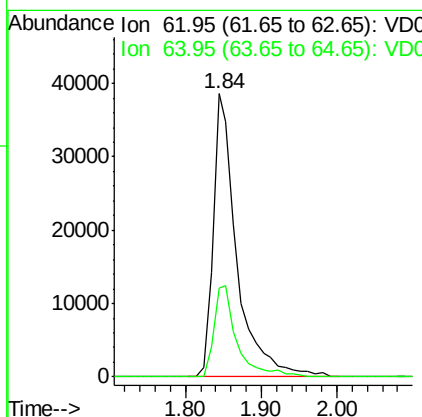
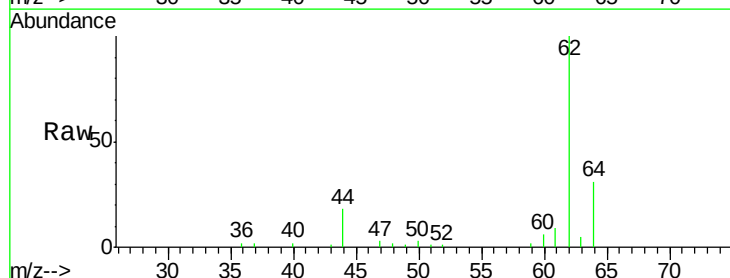
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

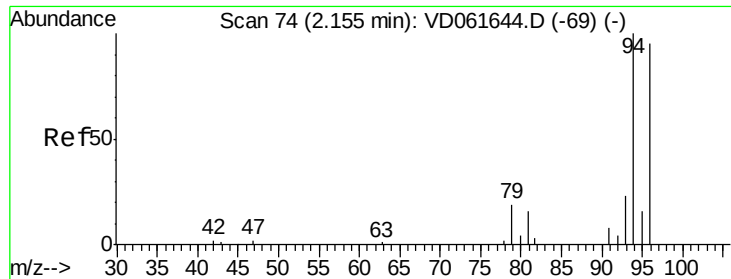
Tot Ion: 50 Resp: 91461
Ion Ratio Lower Upper
50 100
52 27.7 25.1 37.7



#4
Vinyl Chloride
Concen: 19.607 ug/l
RT: 1.84 min Scan# 43
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 62 Resp: 84380
Ion Ratio Lower Upper
62 100
64 31.4 26.2 39.2

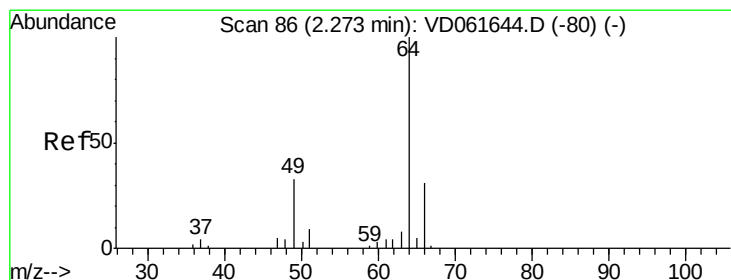
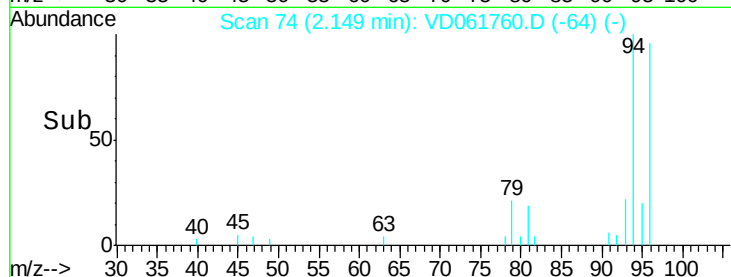
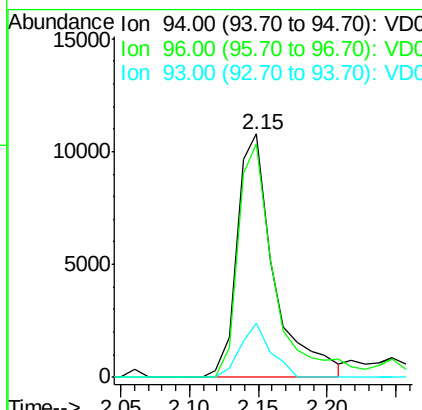
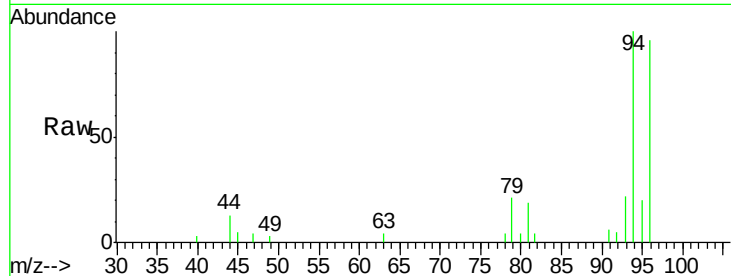




#5
Bromomethane
Concen: 20.259 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

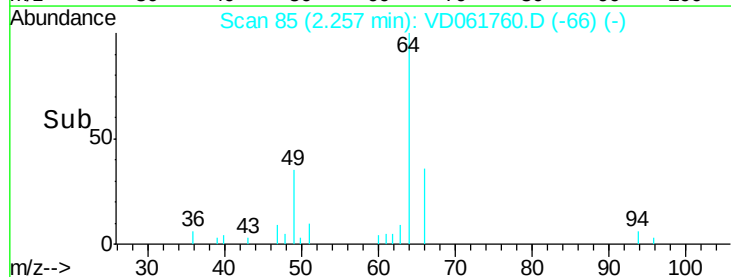
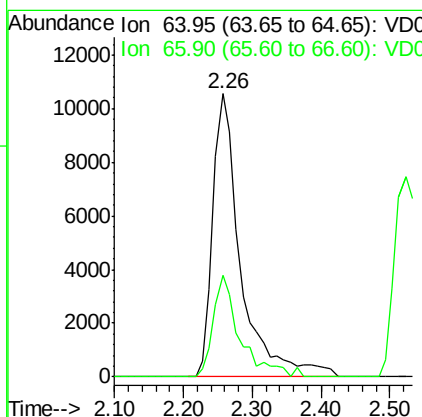
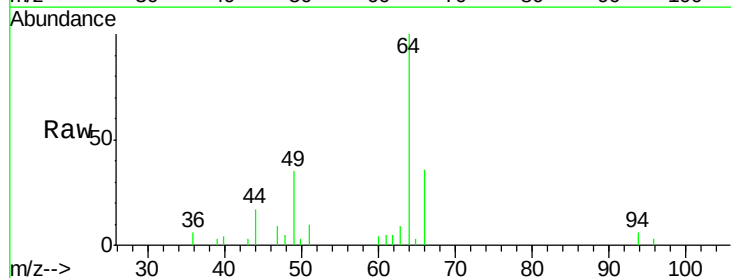
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

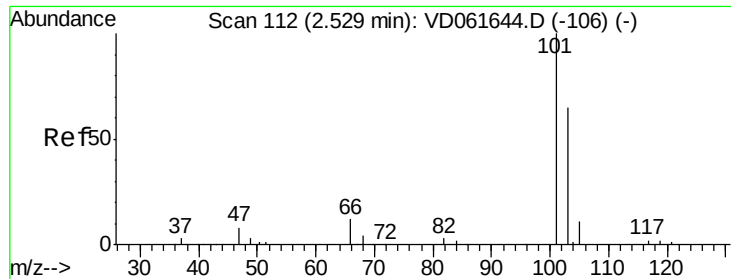
Tot Ion: 94 Resp: 20180
Ion Ratio Lower Upper
94 100
96 95.6 75.8 113.8
93 22.3 18.6 28.0



#6
Chloroethane
Concen: 22.055 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.02 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 64 Resp: 29728
Ion Ratio Lower Upper
64 100
66 36.1 24.9 37.3



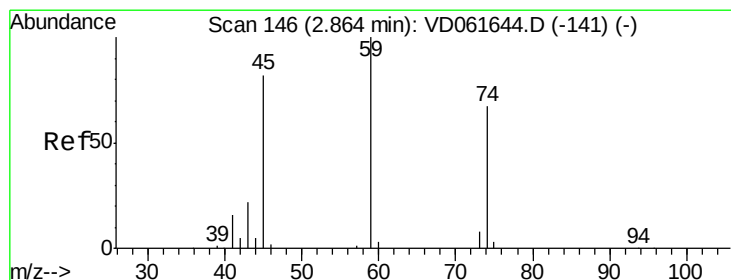
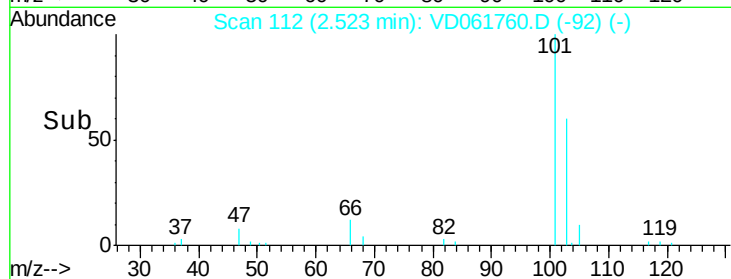
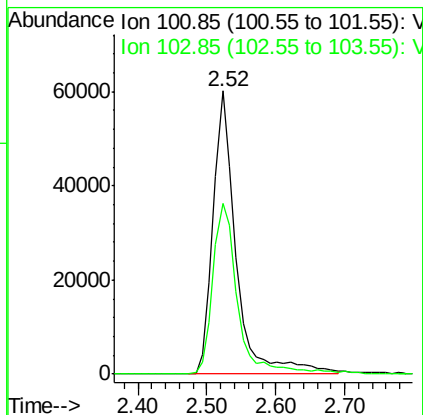
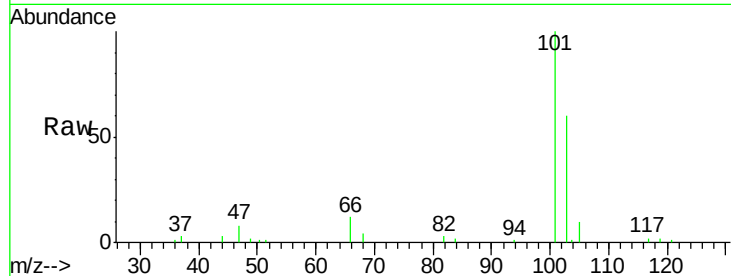


#7

Trichlorofluoromethane
 Concen: 21.513 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

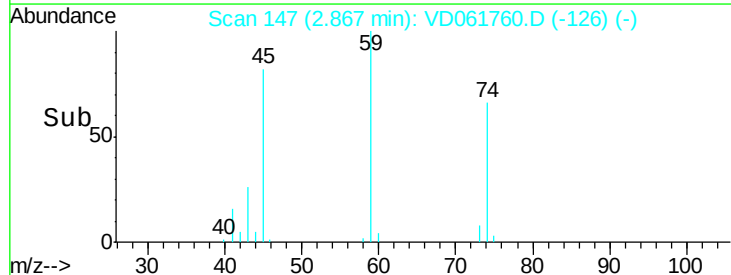
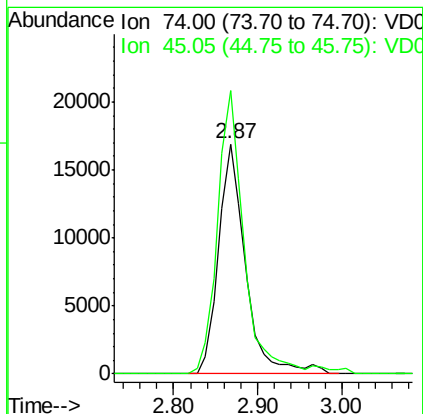
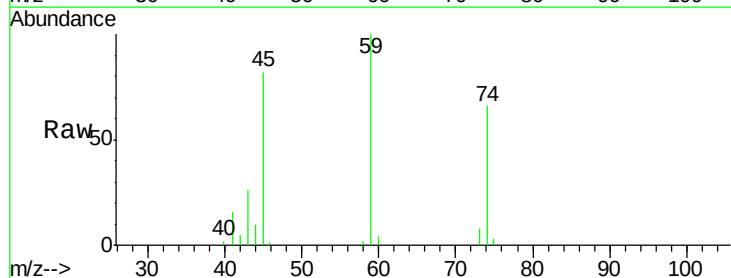
Tot Ion:101 Resp: 139789
 Ion Ratio Lower Upper
 101 100
 103 60.4 52.0 78.0

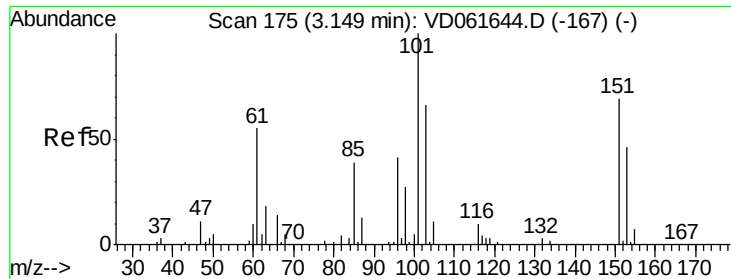


#8

Diethyl Ether
 Concen: 20.632 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 74 Resp: 37624
 Ion Ratio Lower Upper
 74 100
 45 123.2 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.732 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

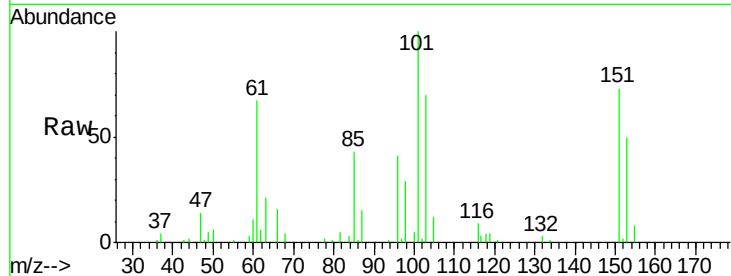
Tot Ion:101 Resp: 119667

Ion Ratio Lower Upper

101 100

85 42.9 31.0 46.6

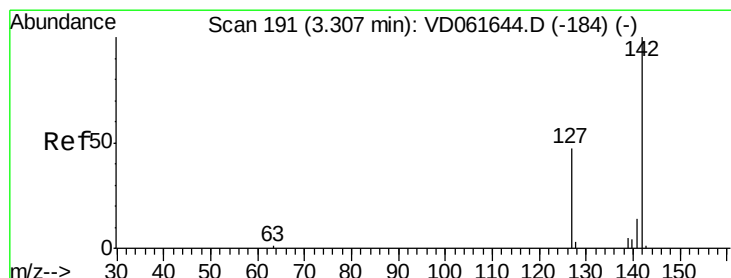
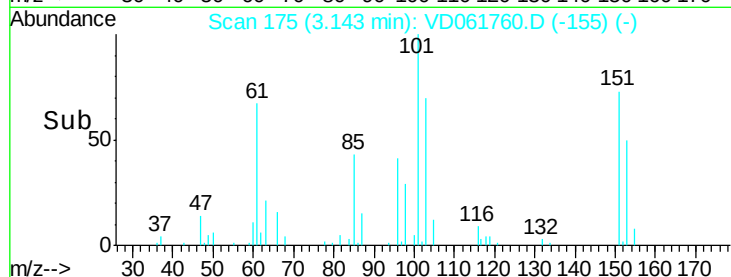
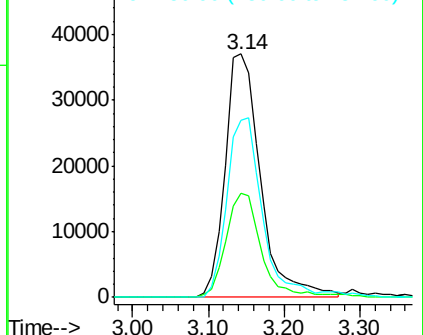
151 72.8 55.3 82.9



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: 20.088 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

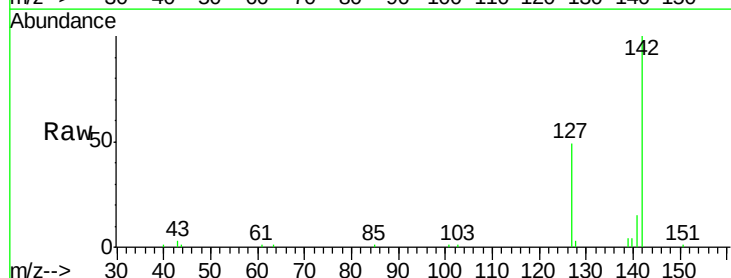
Tgt Ion:142 Resp: 168903

Ion Ratio Lower Upper

142 100

127 49.0 37.2 55.8

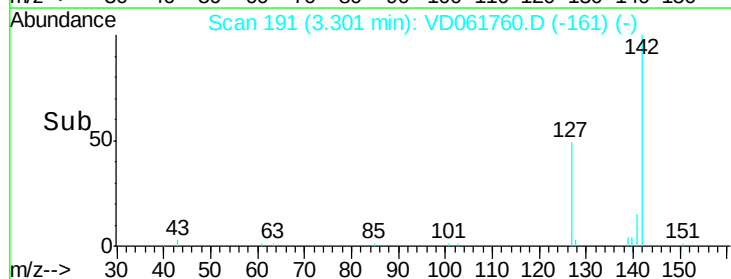
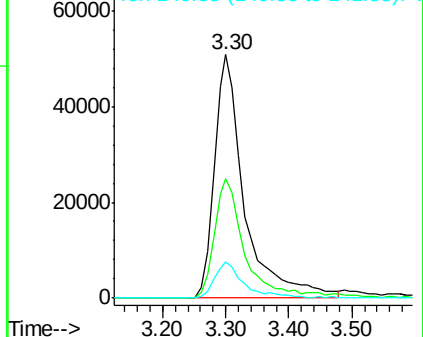
141 14.7 10.8 16.2

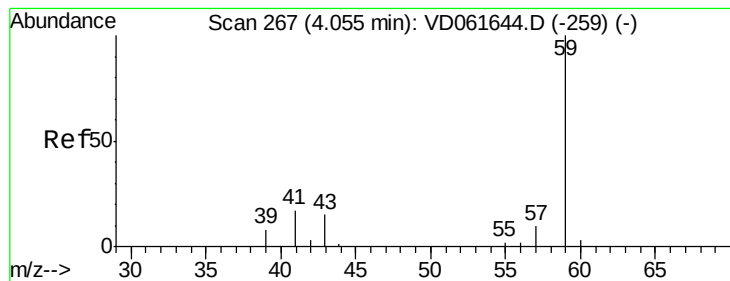


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 94.353 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

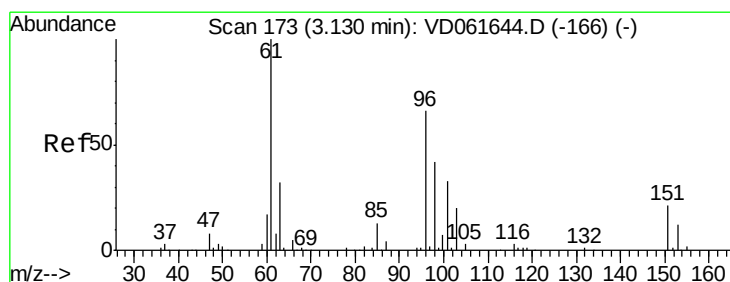
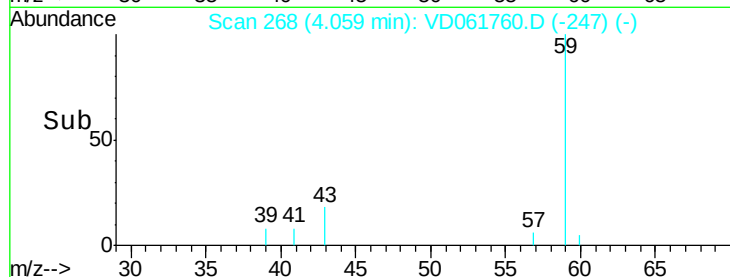
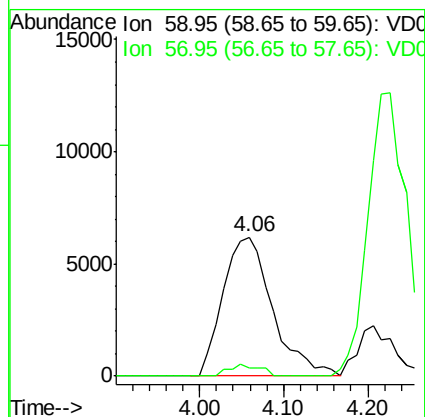
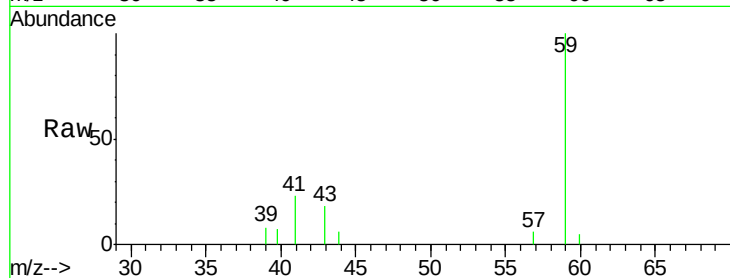
VD0411SBS02

Tot Ion: 59 Resp: 25321

Ion Ratio Lower Upper

59 100

57 6.3 8.4 12.6#



#12

1,1-Dichloroethene

Concen: 19.601 ug/l

RT: 3.12 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

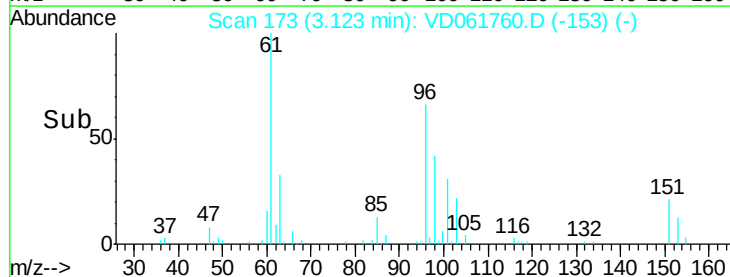
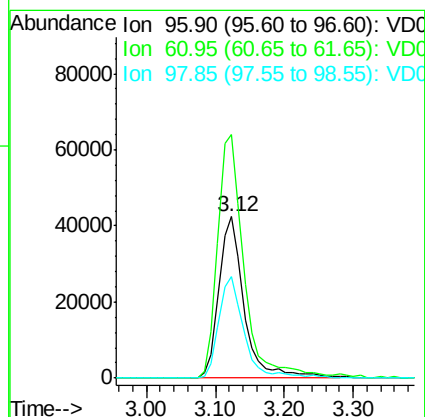
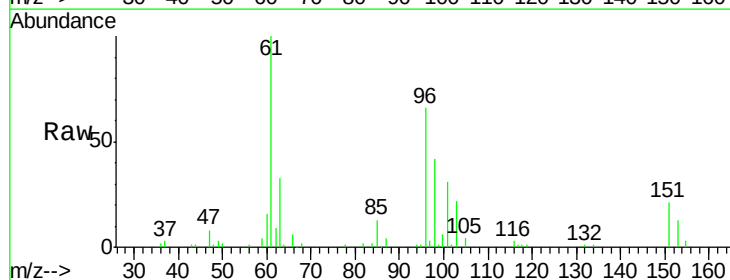
Tgt Ion: 96 Resp: 107947

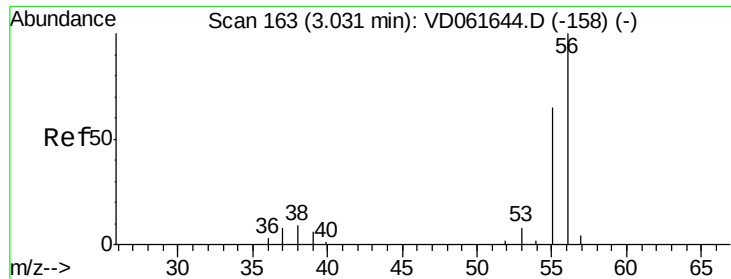
Ion Ratio Lower Upper

96 100

61 150.8 121.3 181.9

98 62.8 50.6 76.0





#13

Acrolein

Concen: 66.694 ug/l

RT: 3.02 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

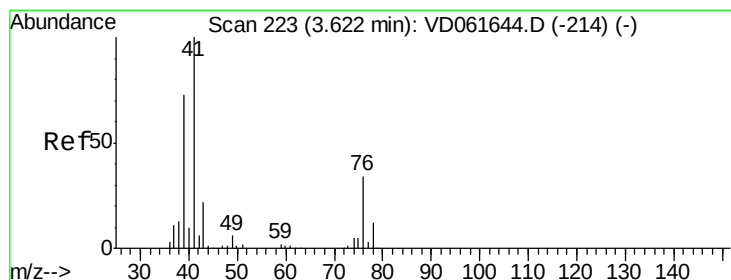
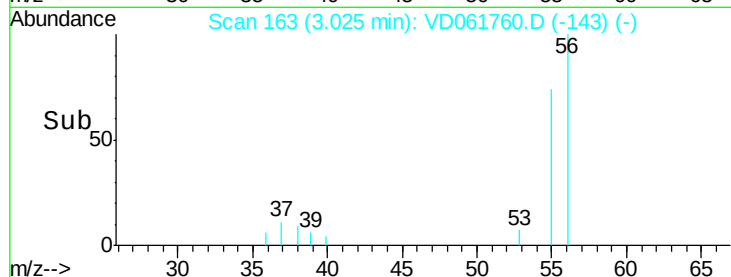
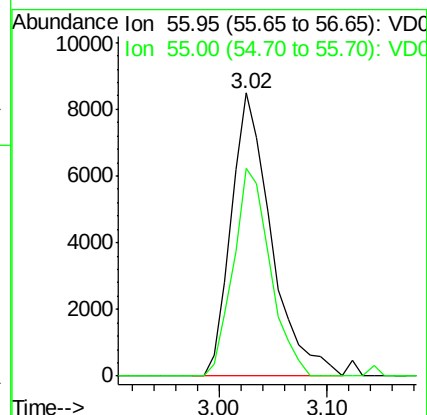
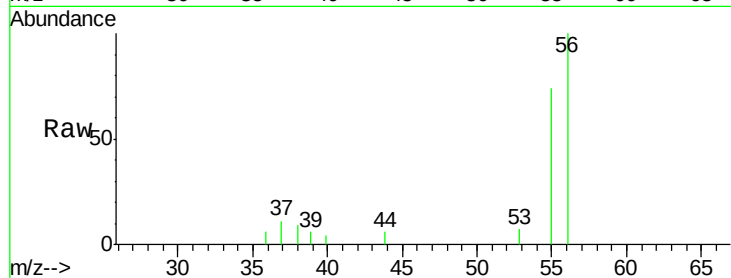
VD0411SBS02

Tot Ion: 56 Resp: 21822

Ion Ratio Lower Upper

56 100

55 73.6 51.8 77.6



#14

Allyl chloride

Concen: 20.166 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

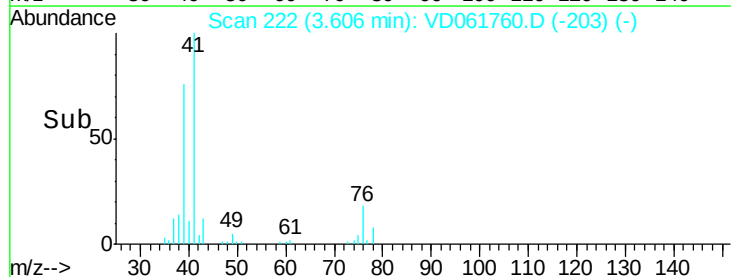
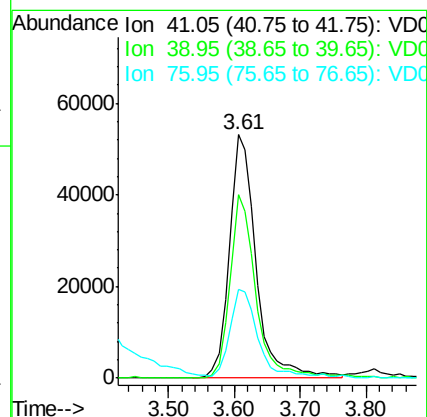
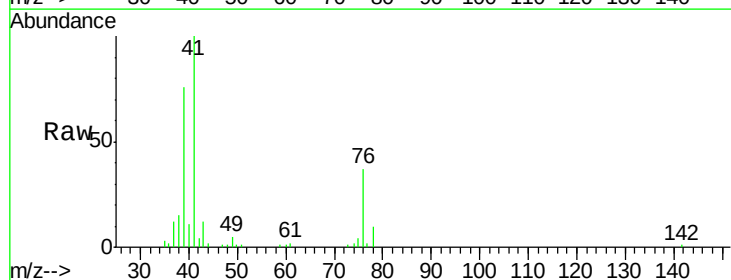
Tgt Ion: 41 Resp: 151474

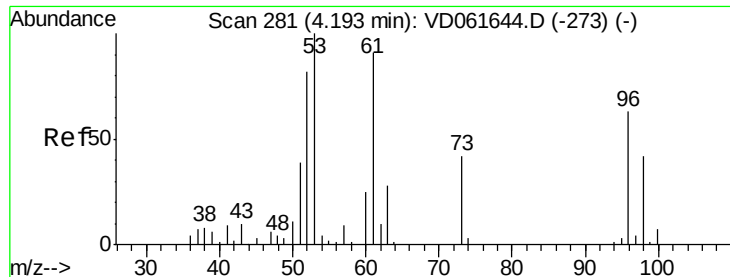
Ion Ratio Lower Upper

41 100

39 75.5 58.2 87.4

76 36.6 29.8 44.6





#15

Acrylonitrile

Concen: 101.942 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

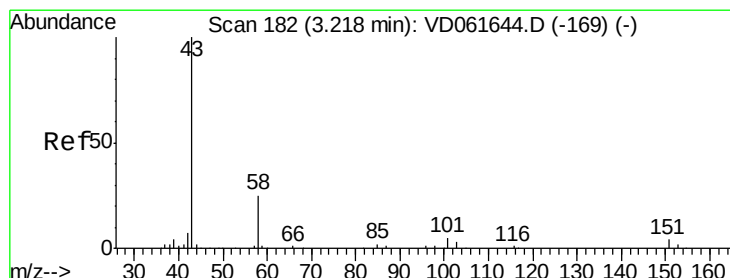
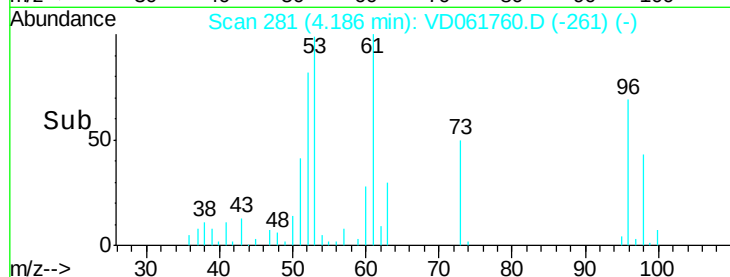
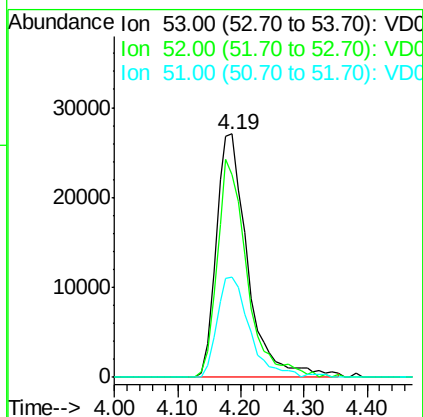
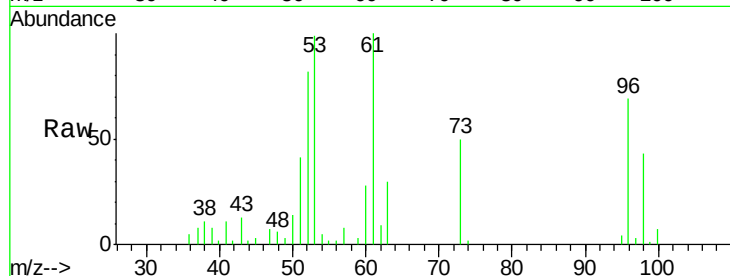
Tot Ion: 53 Resp: 94174

Ion Ratio Lower Upper

53 100

52 83.1 65.9 98.9

51 41.2 31.4 47.2



#16

Acetone

Concen: 81.052 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061760.D

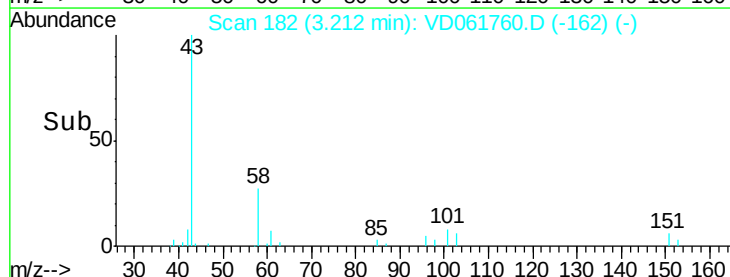
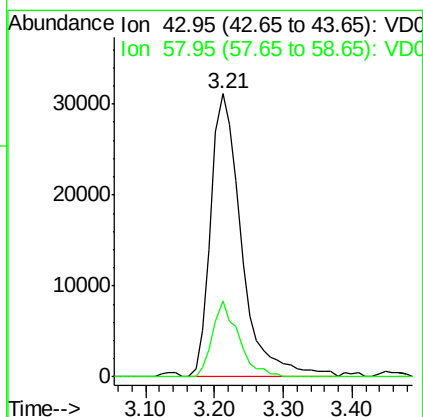
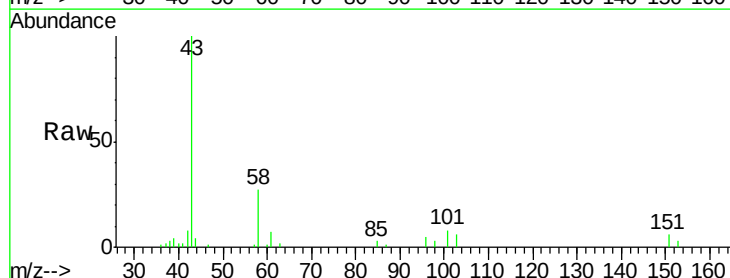
Acq: 12 Apr 2019 2:52

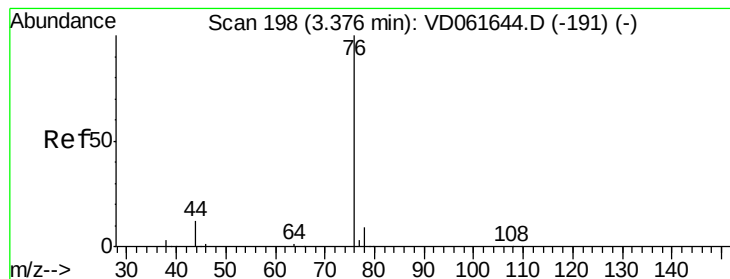
Tgt Ion: 43 Resp: 97021

Ion Ratio Lower Upper

43 100

58 27.0 19.7 29.5





#17

Carbon Disulfide

Concen: 18.520 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

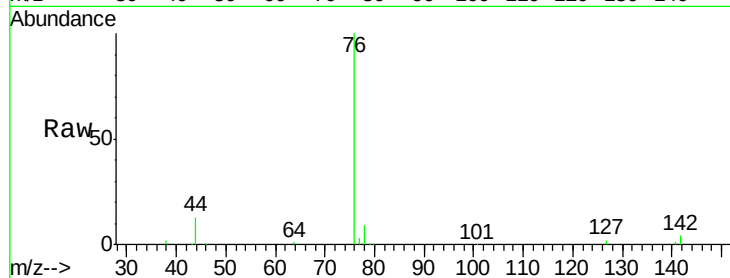
VD0411SBS02

Tot Ion: 76 Resp: 331404

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

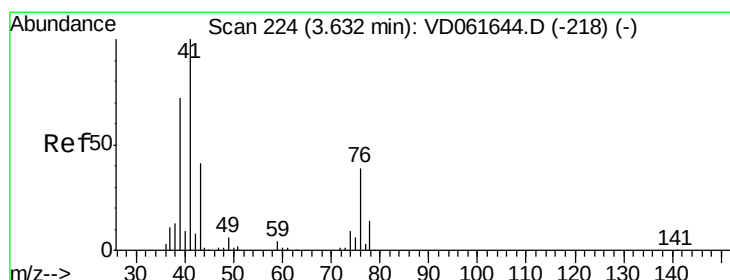
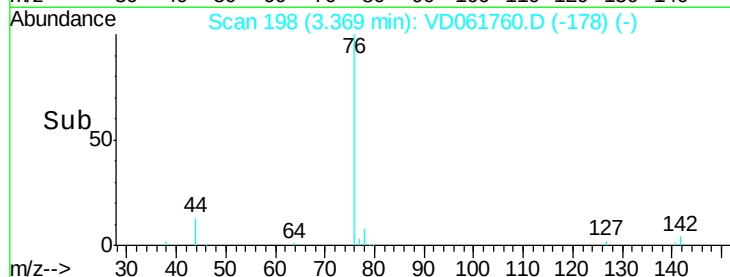
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.102 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061760.D

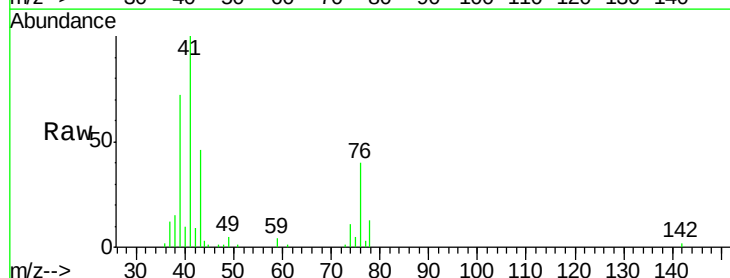
Acq: 12 Apr 2019 2:52

Tgt Ion: 43 Resp: 49777

Ion Ratio Lower Upper

43 100

74 23.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

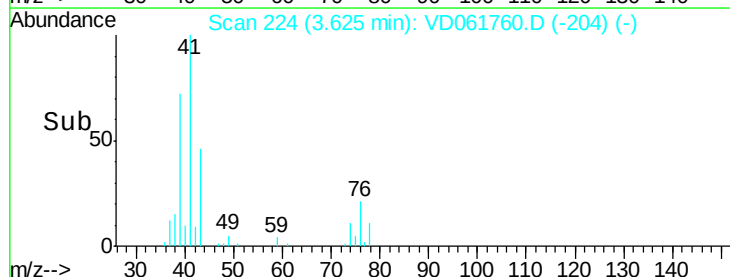
15000

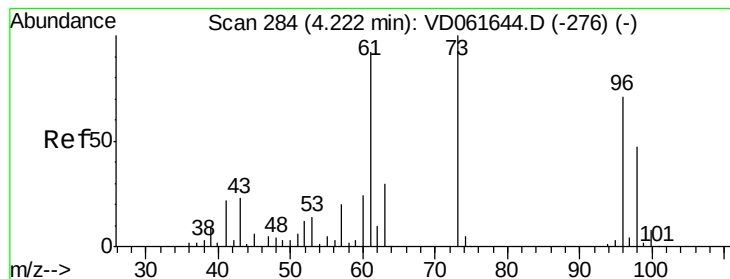
10000

5000

0

Time-->



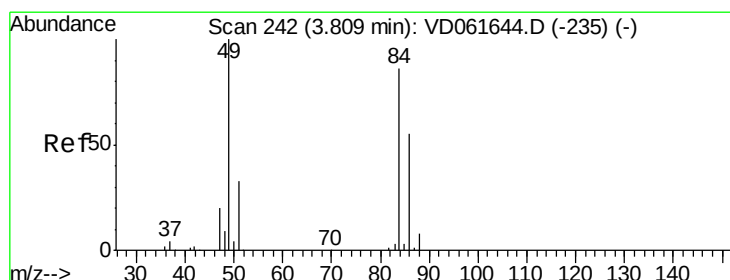
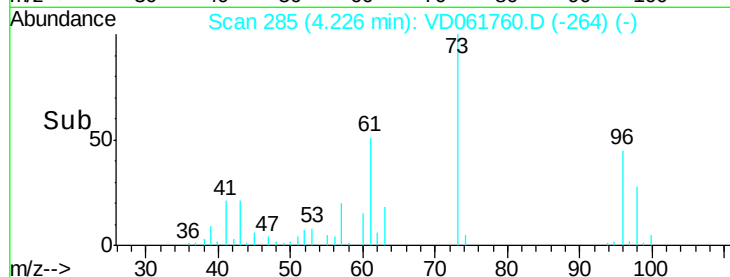
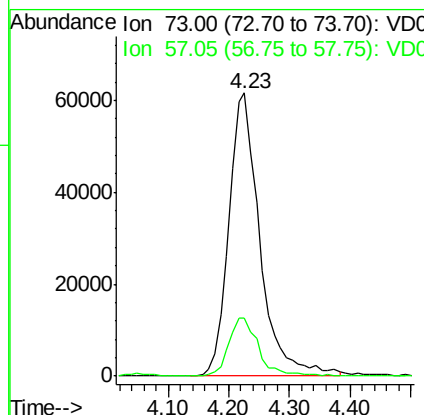
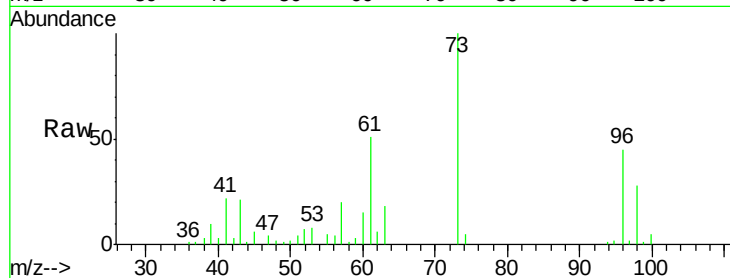


#19

Methyl tert-butyl Ether
 Concen: 23.027 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

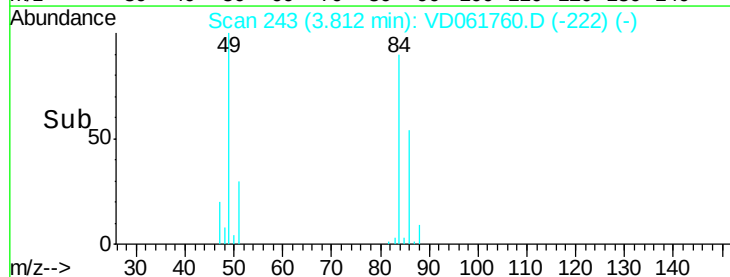
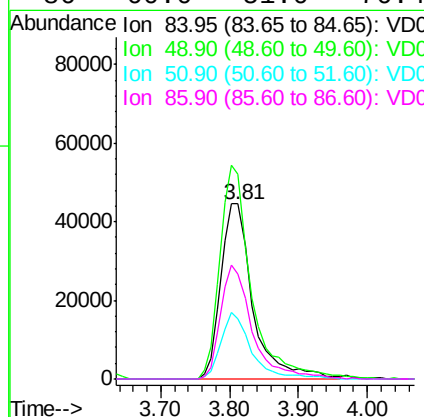
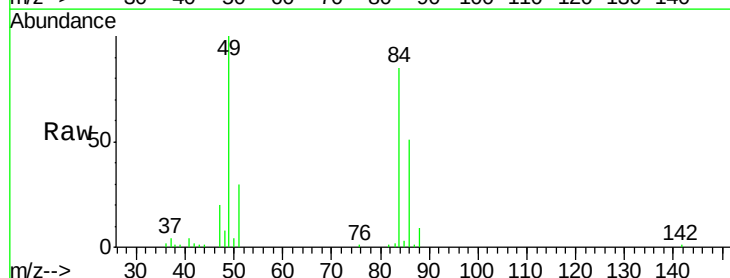
Tot Ion: 73 Resp: 219579
 Ion Ratio Lower Upper
 73 100
 57 20.5 16.0 24.0

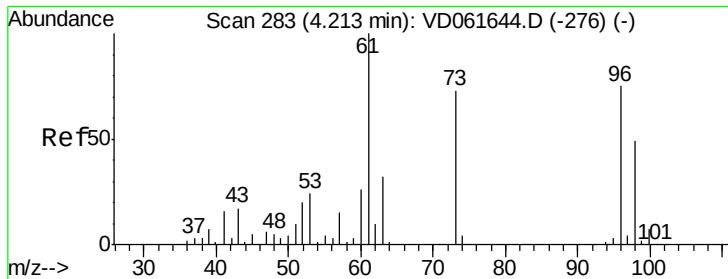


#20

Methylene Chloride
 Concen: 21.223 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 84 Resp: 144162
 Ion Ratio Lower Upper
 84 100
 49 117.2 93.0 139.4
 51 34.7 30.4 45.6
 86 60.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 21.076 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

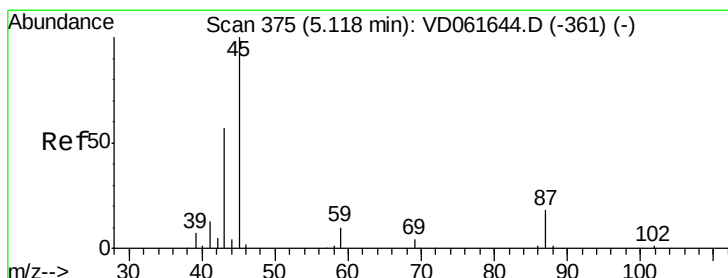
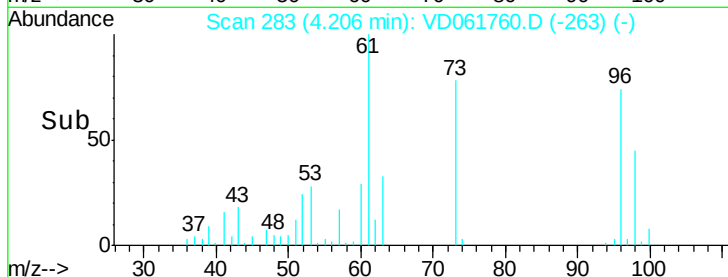
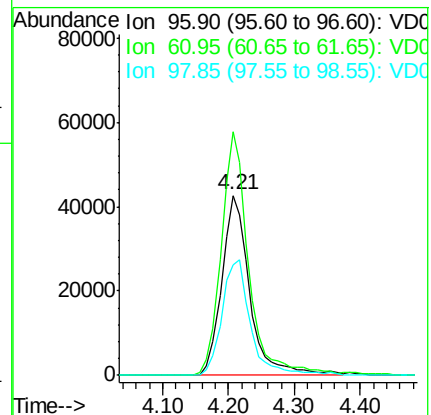
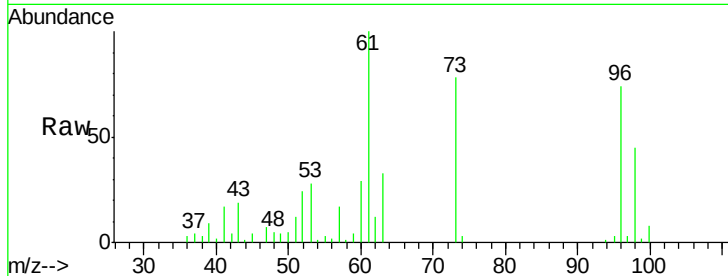
Tot Ion: 96 Resp: 126068

Ion Ratio Lower Upper

96 100

61 135.1 106.8 160.2

98 61.4 52.2 78.2



#22

Diisopropyl ether

Concen: 22.086 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Tgt Ion: 45 Resp: 347826

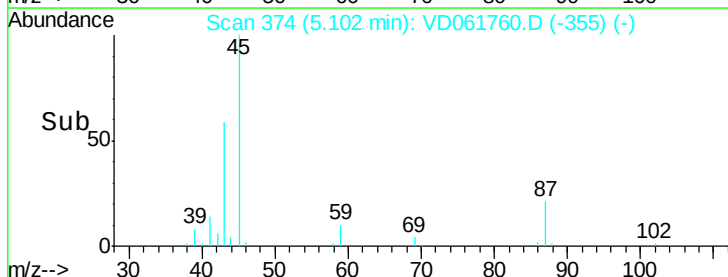
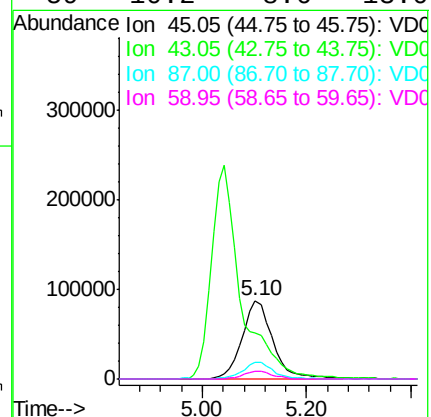
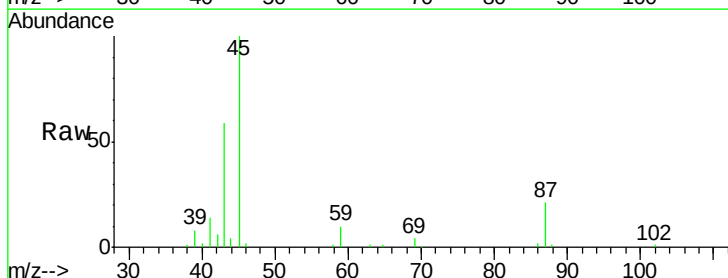
Ion Ratio Lower Upper

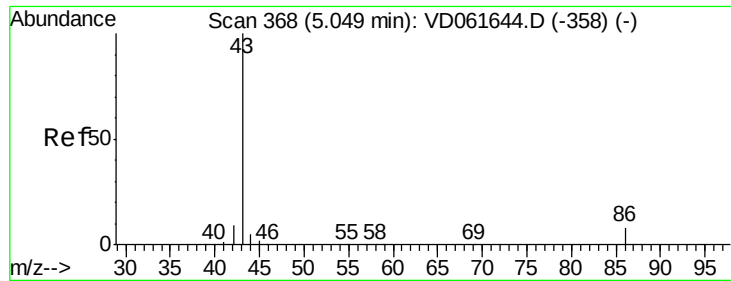
45 100

43 59.1 46.6 70.0

87 20.5 15.6 23.4

59 10.2 8.6 13.0





#23

Vinyl Acetate

Concen: 106.862 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

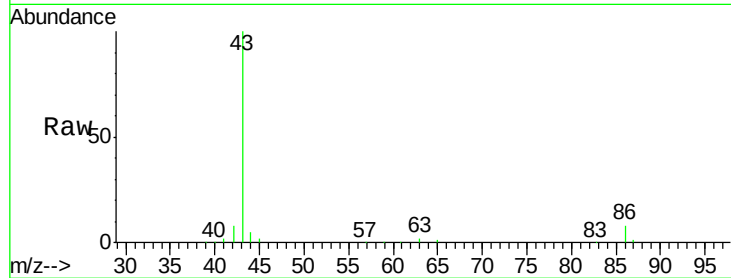
VD0411SBS02

Tot Ion: 43 Resp: 928602

Ion Ratio Lower Upper

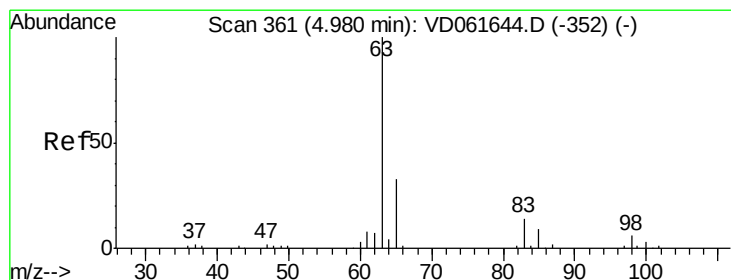
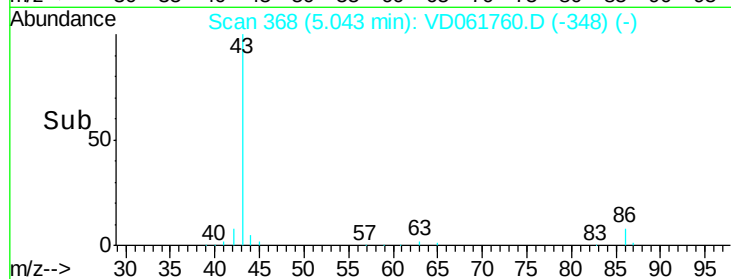
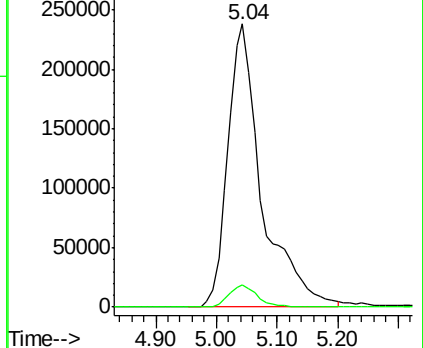
43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.175 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

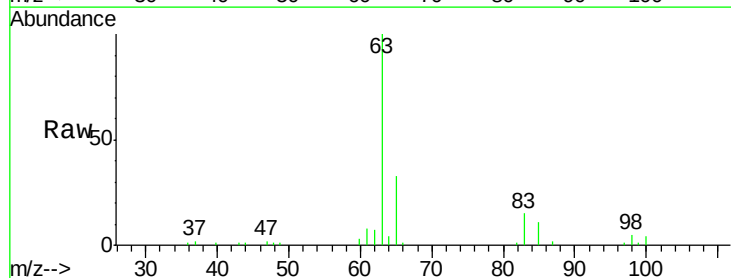
Tgt Ion: 63 Resp: 204347

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

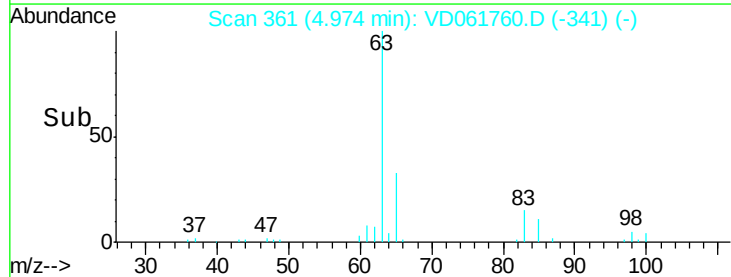
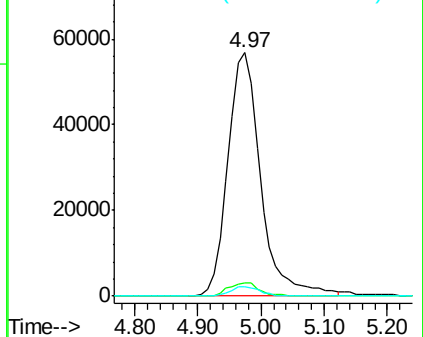
100 3.9 1.7 5.1

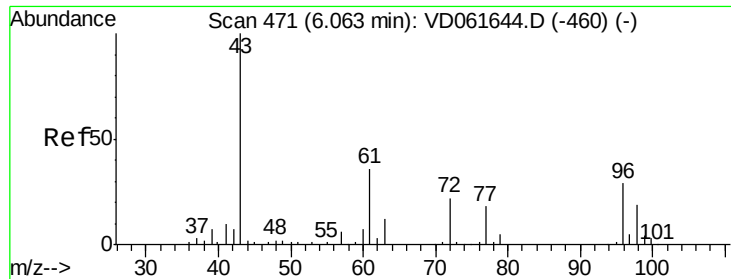


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 96.462 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

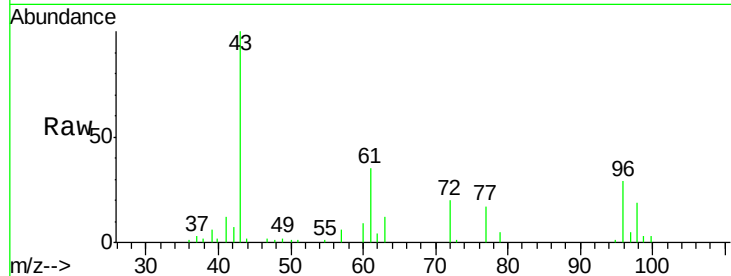
VD0411SBS02

Tot Ion: 43 Resp: 133115

Ion Ratio Lower Upper

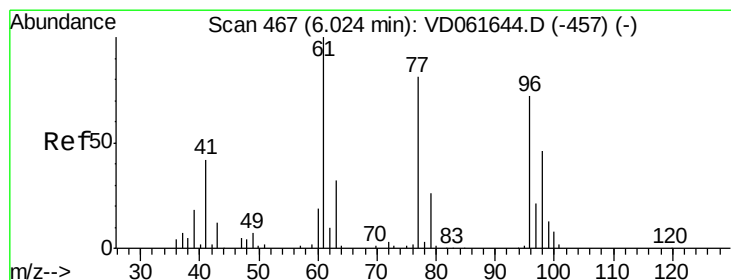
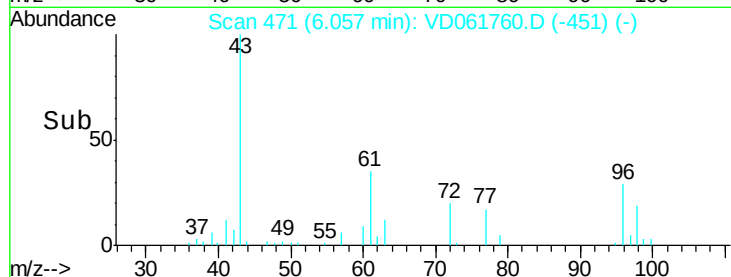
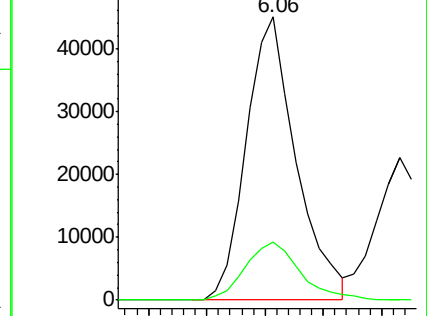
43 100

72 20.3 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.548 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD061760.D

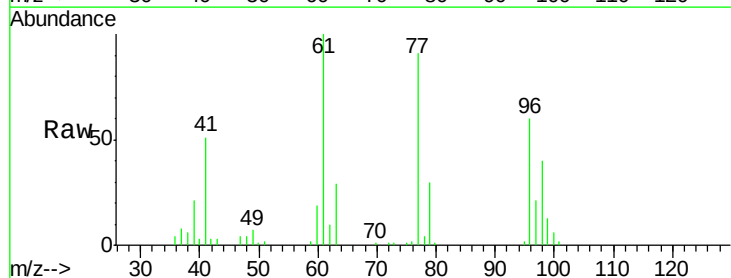
Acq: 12 Apr 2019 2:52

Tgt Ion: 77 Resp: 161465

Ion Ratio Lower Upper

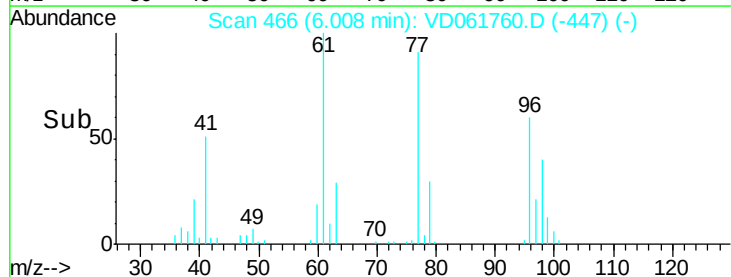
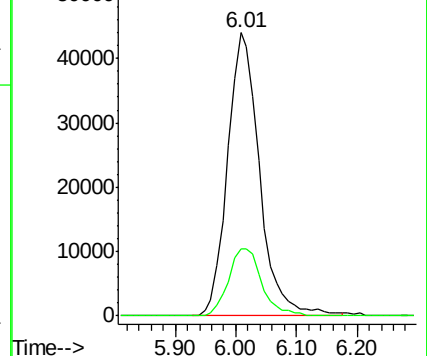
77 100

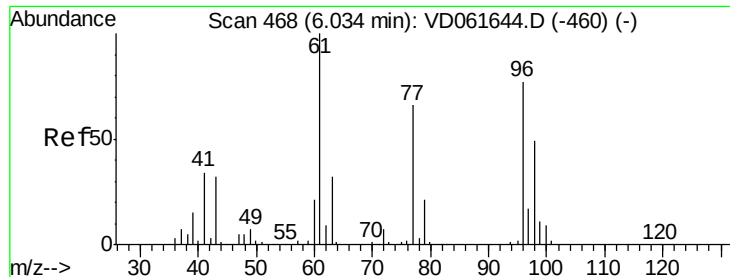
97 23.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



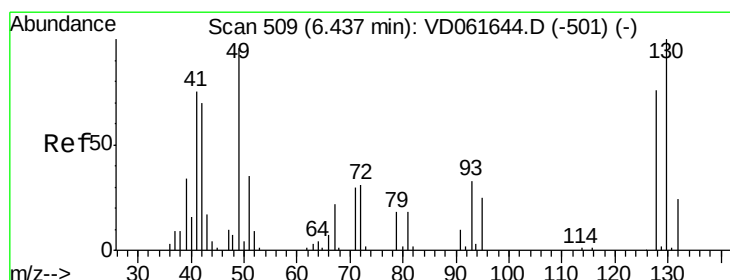
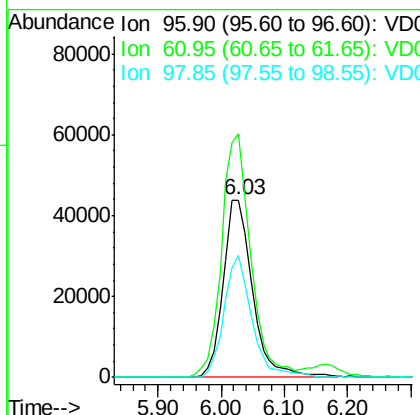
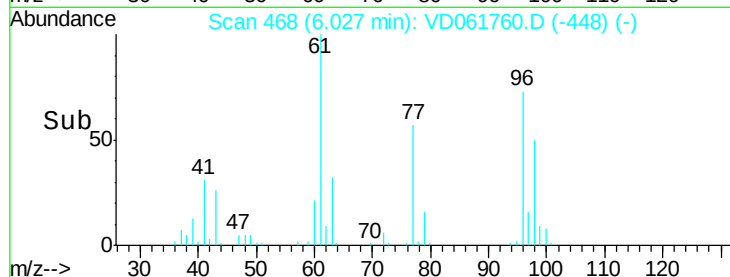
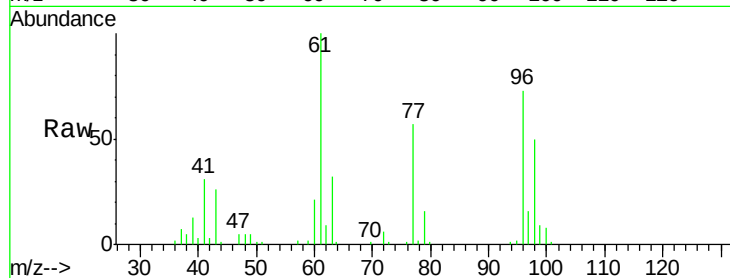


#27

cis-1,2-Dichloroethene
 Concen: 22.209 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

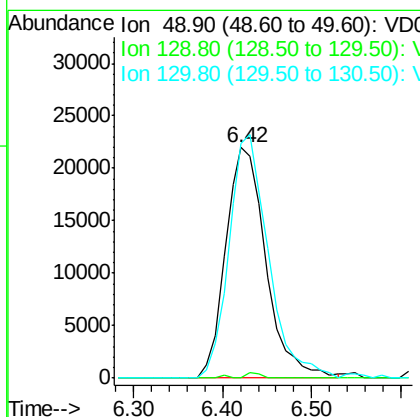
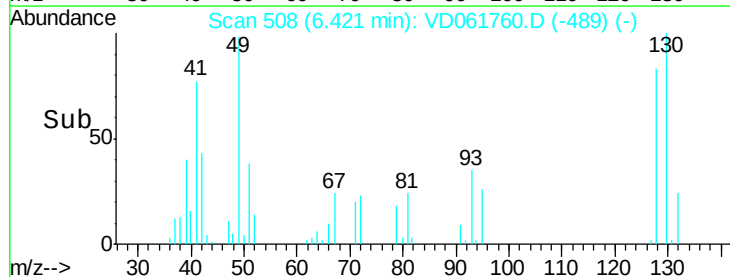
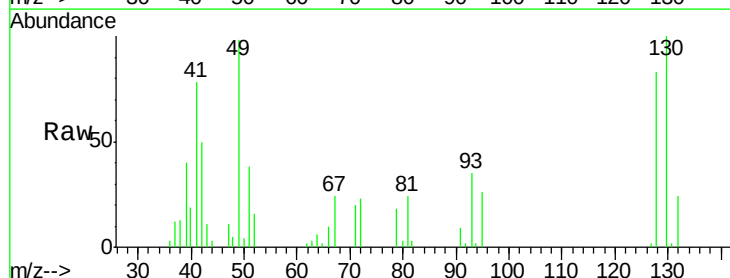
Tot Ion	96	Resp	141720
Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	259.8
98	68.7	0.0	127.6

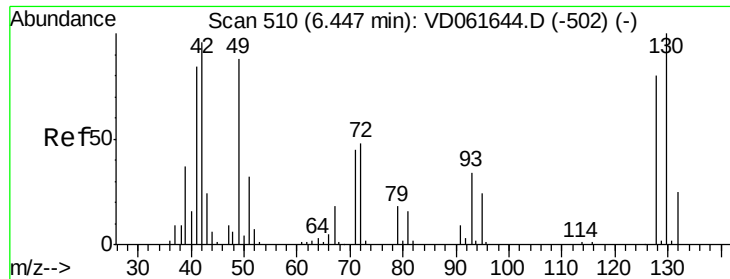


#28

Bromochloromethane
 Concen: 19.467 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion	49	Resp	69302
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	101.6	83.3	124.9

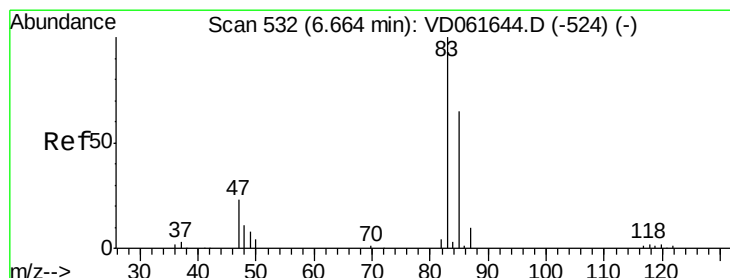
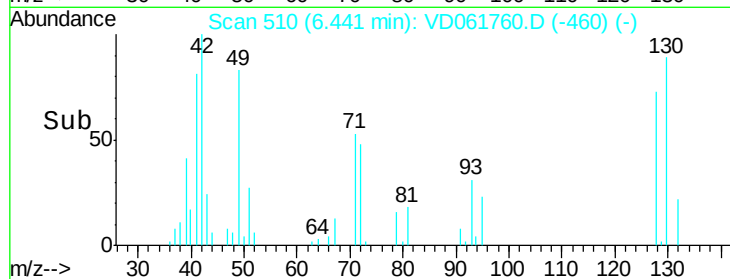
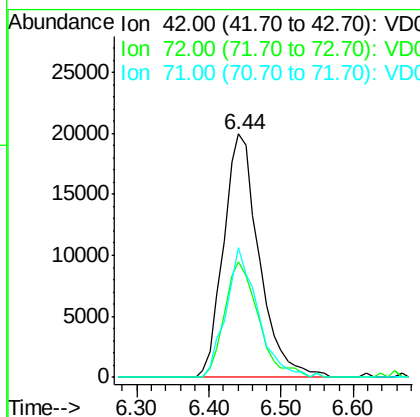
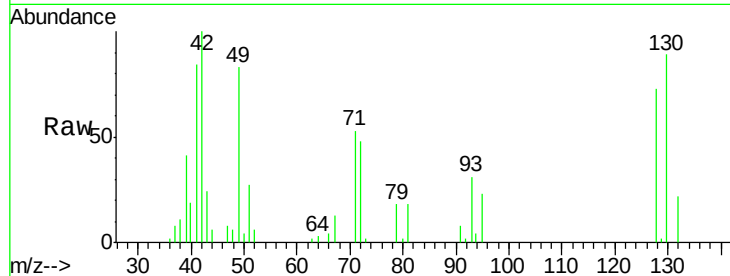




#29
Tetrahydrofuran
Concen: 102.576 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

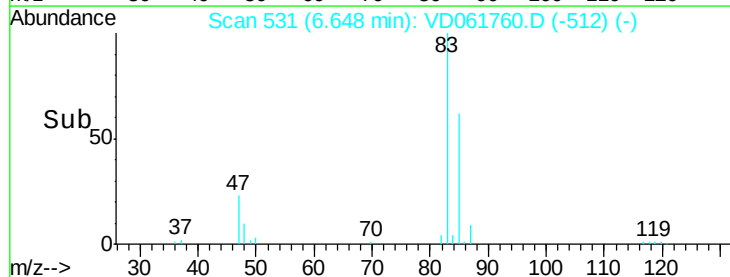
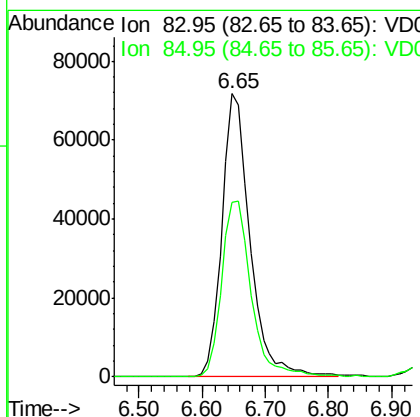
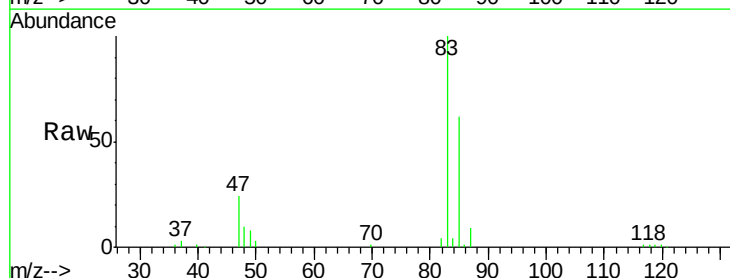
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

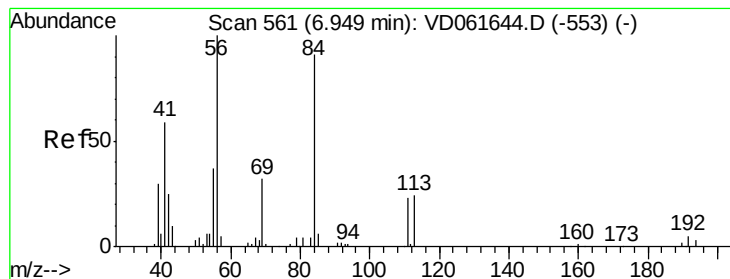
Tot Ion: 42 Resp: 68332
Ion Ratio Lower Upper
42 100
72 45.4 37.0 55.6
71 47.4 36.5 54.7



#30
Chloroform
Concen: 21.960 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 83 Resp: 222009
Ion Ratio Lower Upper
83 100
85 61.6 51.9 77.9





#31

Cyclohexane

Concen: 17.912 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

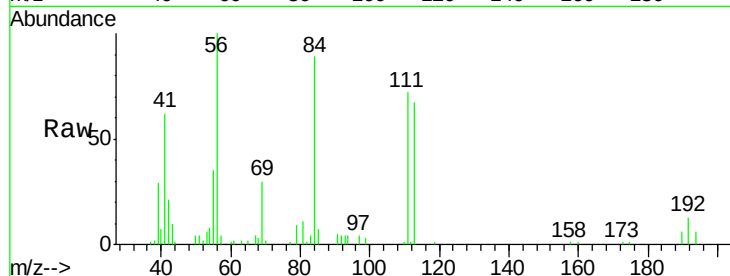
Tot Ion: 56 Resp: 135045

Ion Ratio Lower Upper

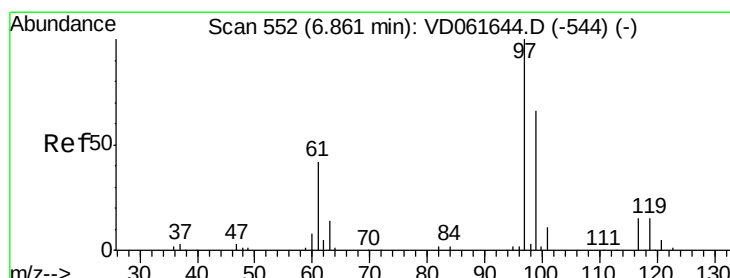
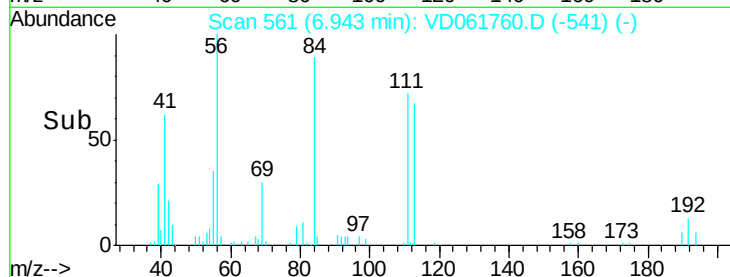
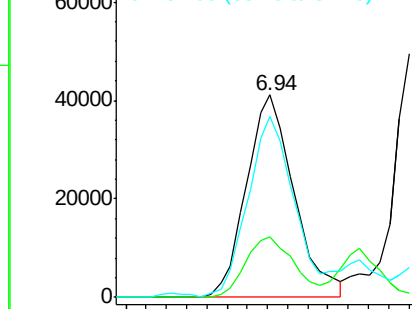
56 100

69 29.9 25.8 38.6

84 89.0 74.2 111.2



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: 21.091 ug/l

RT: 6.85 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

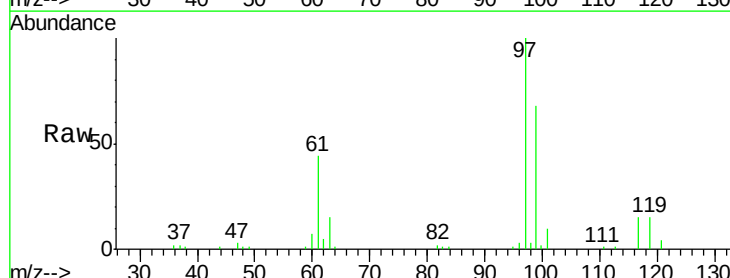
Tgt Ion: 97 Resp: 186858

Ion Ratio Lower Upper

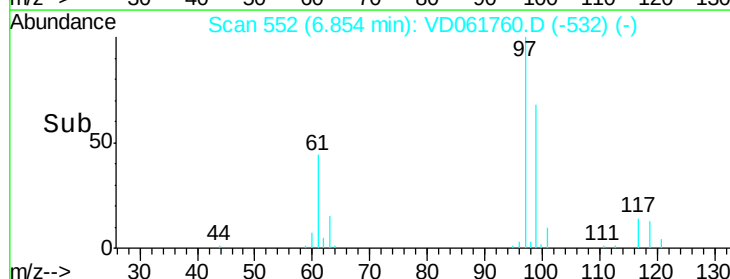
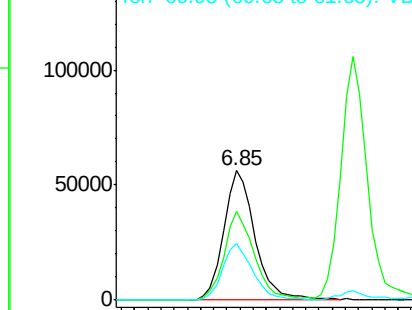
97 100

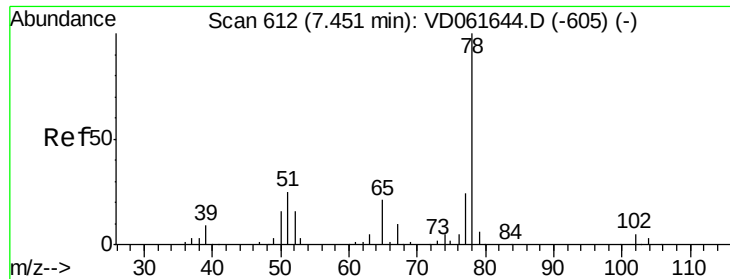
99 68.2 52.5 78.7

61 44.1 33.4 50.0



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

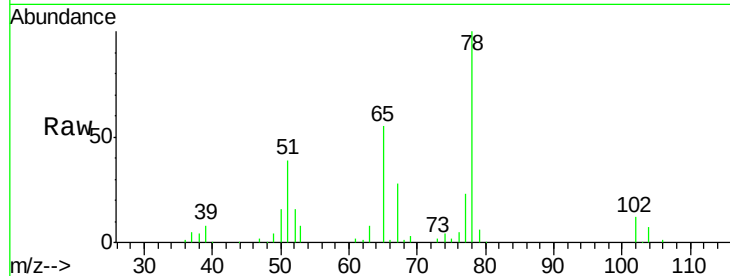




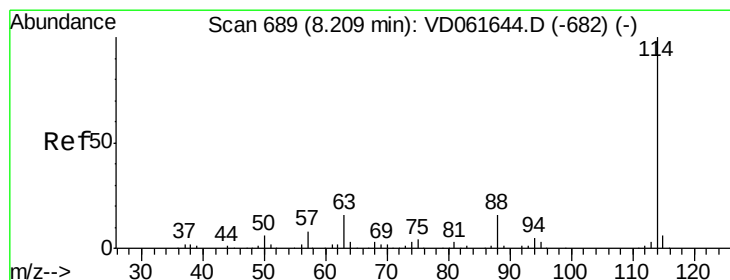
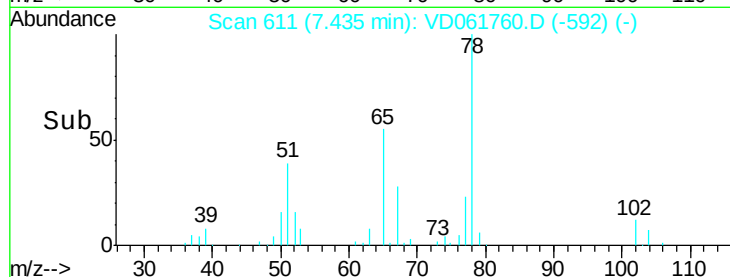
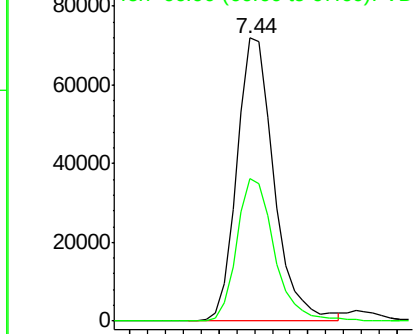
#33
 1,2-Dichloroethane-d4
 Concen: 21.091 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

Tot Ion: 65 Resp: 208673
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.4

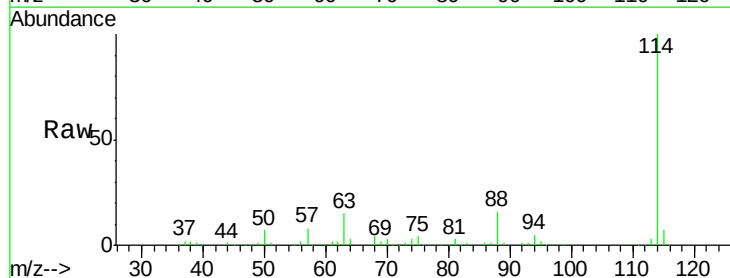


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

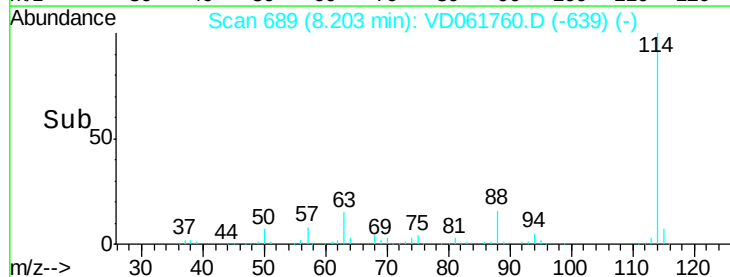
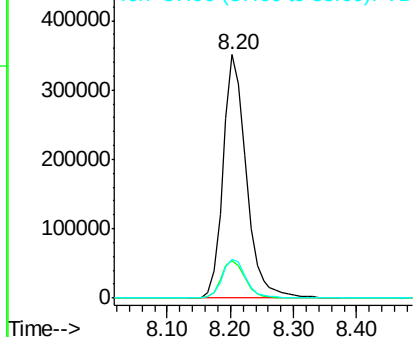


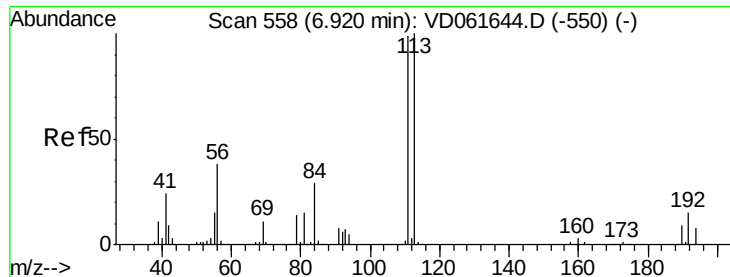
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 114 Resp: 897885
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.2
 88 16.0 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

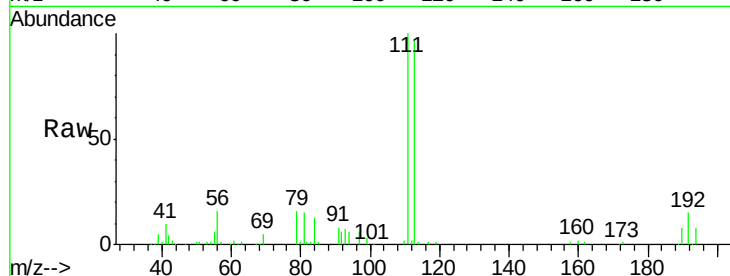
Tot Ion:113 Resp: 299676

Ion Ratio Lower Upper

113 100

111 103.4 79.3 118.9

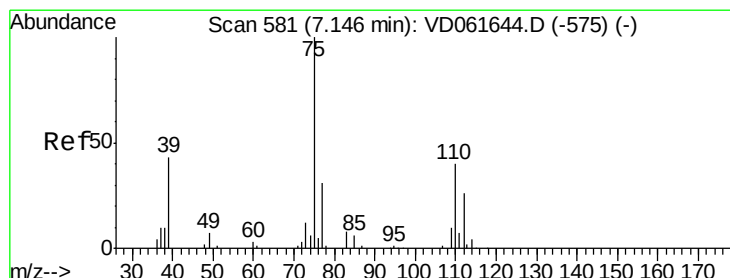
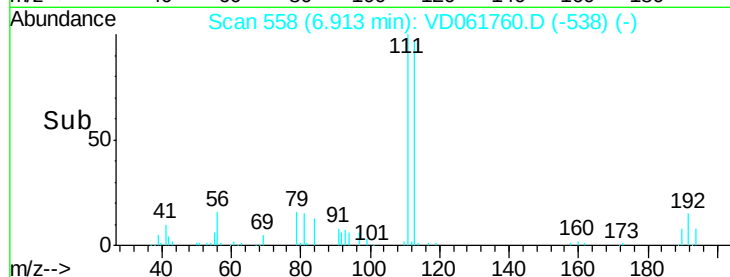
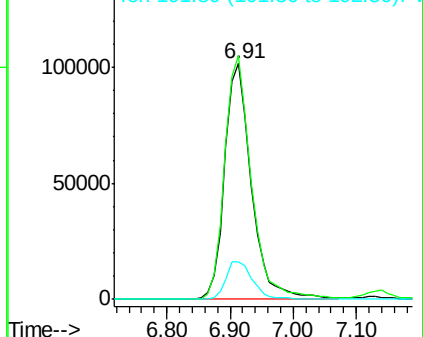
192 16.0 12.3 18.5



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: 19.837 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

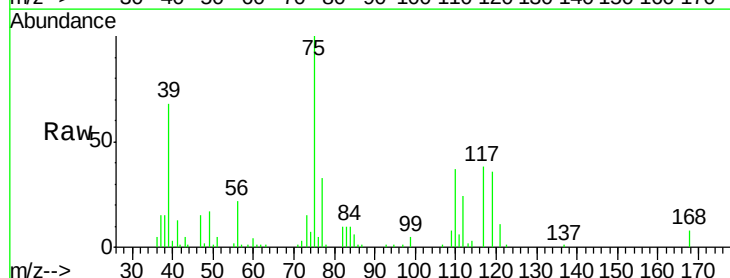
Tgt Ion: 75 Resp: 155885

Ion Ratio Lower Upper

75 100

110 36.6 19.7 59.0

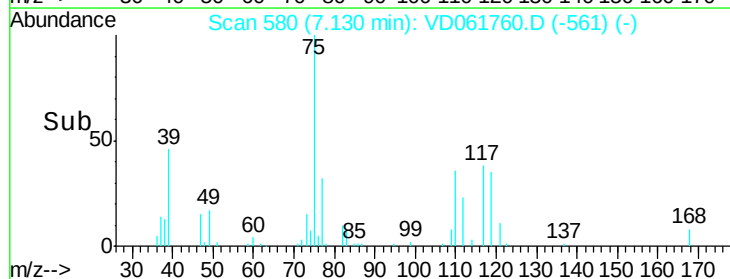
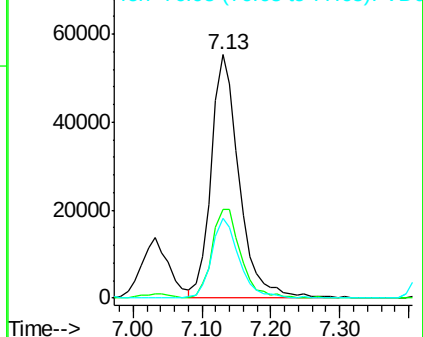
77 33.0 24.8 37.2

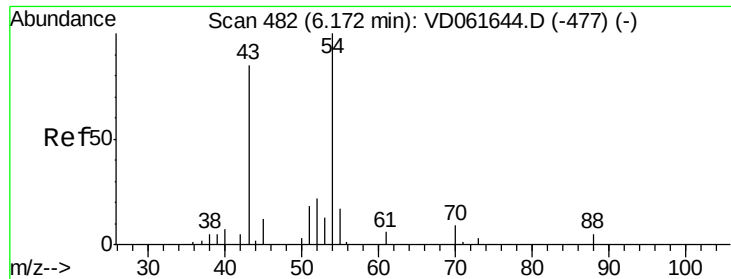


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

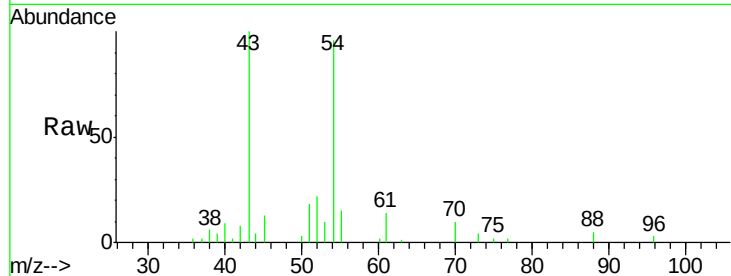




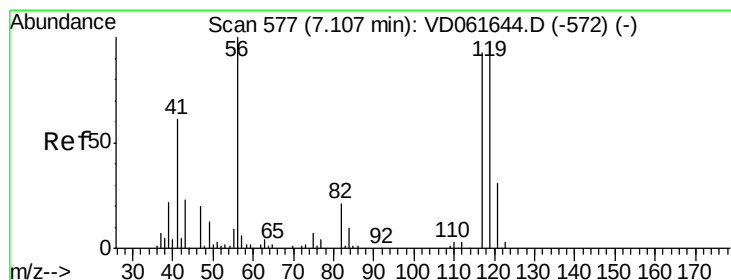
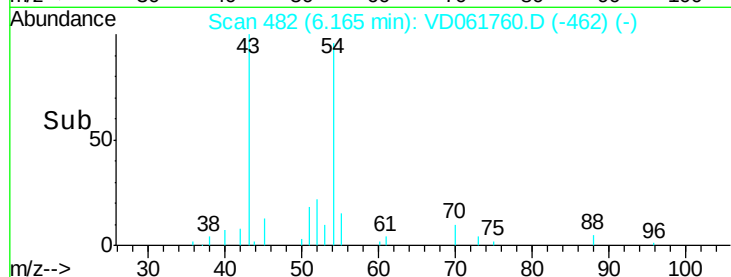
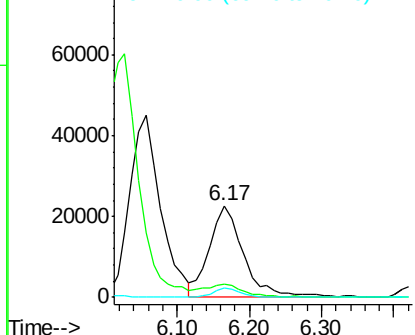
#37
Ethyl Acetate
Concen: 23.235 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

Tot Ion: 43 Resp: 74370
Ion Ratio Lower Upper
43 100
61 13.9 11.9 17.9
70 9.8 6.9 10.3

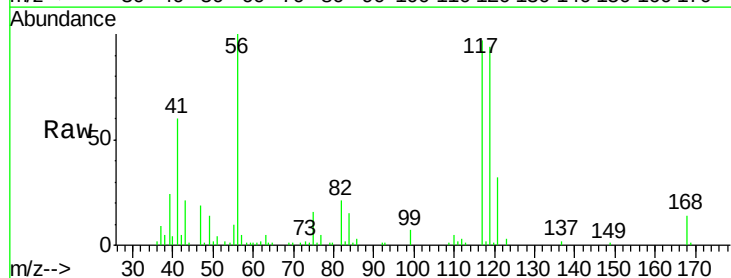


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

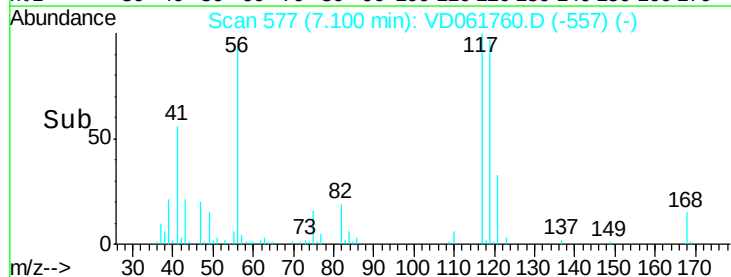
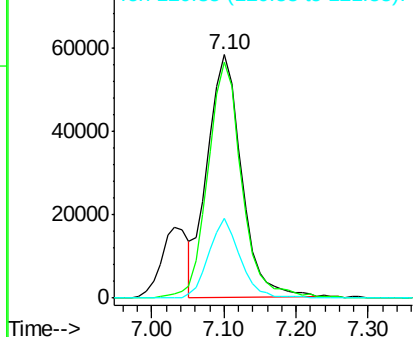


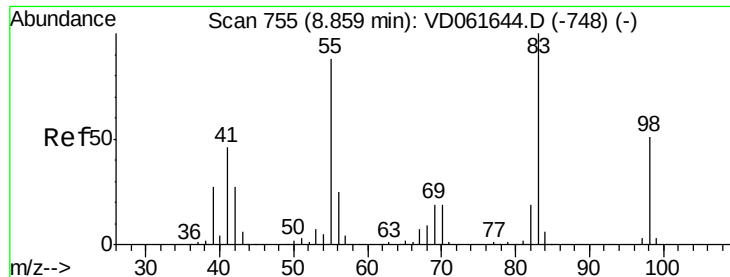
#38
Carbon Tetrachloride
Concen: 20.620 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 117 Resp: 189908
Ion Ratio Lower Upper
117 100
119 97.2 77.9 116.9
121 33.0 24.7 37.1



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

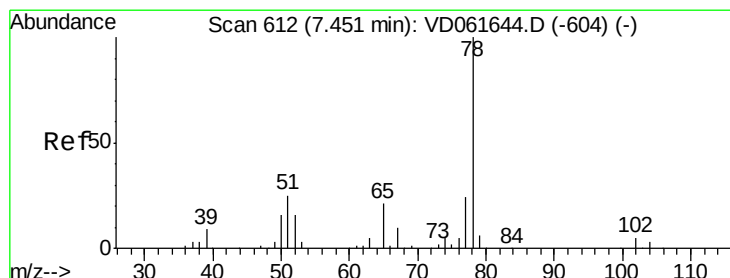
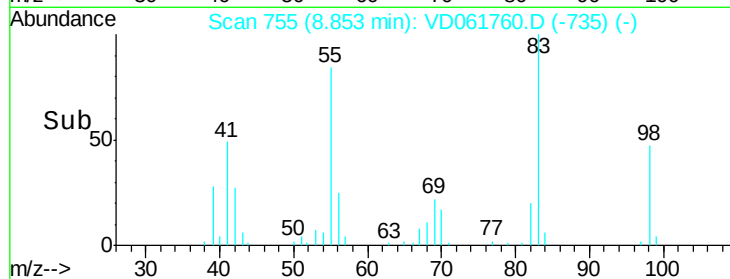
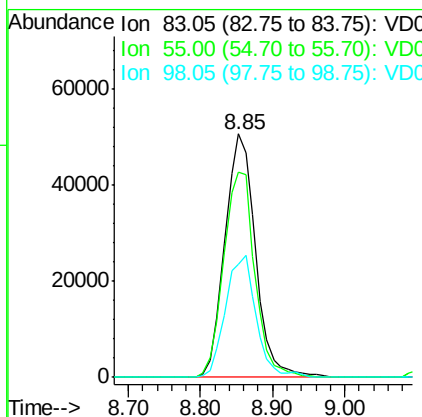
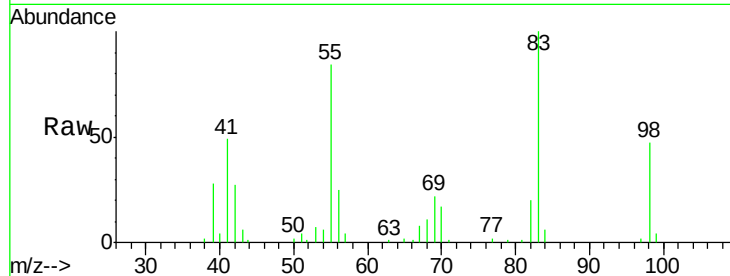




#39
Methylvlcyclohexane
Concen: 18.470 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

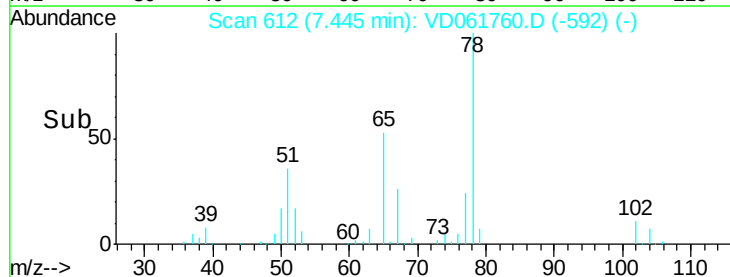
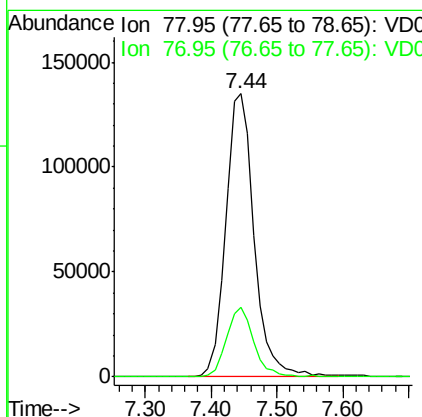
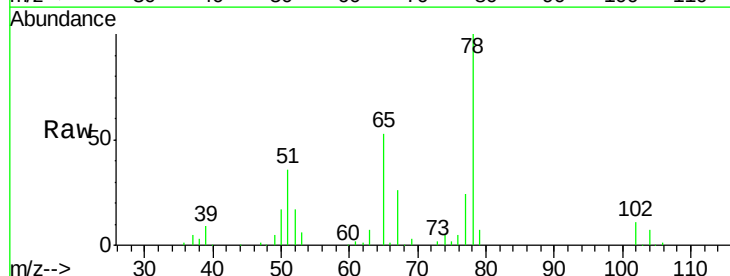
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

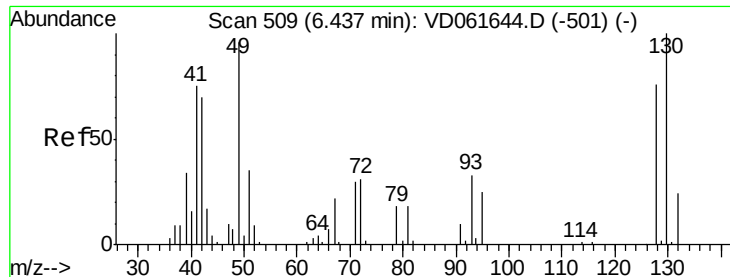
Tot Ion: 83 Resp: 149006
Ion Ratio Lower Upper
83 100
55 84.4 70.3 105.5
98 46.6 41.0 61.6



#40
Benzene
Concen: 21.490 ug/l
RT: 7.44 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 78 Resp: 407396
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

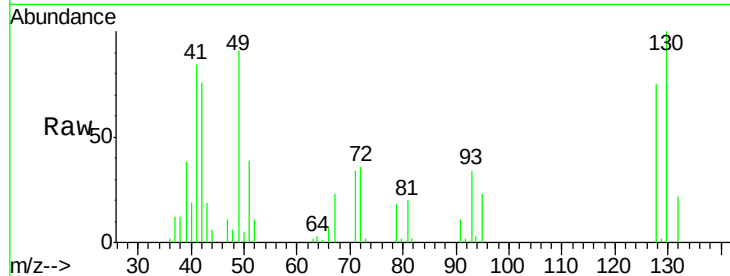




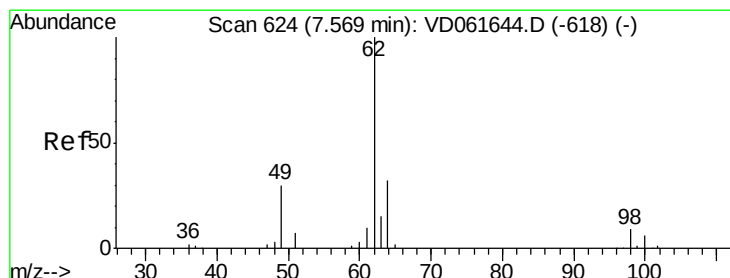
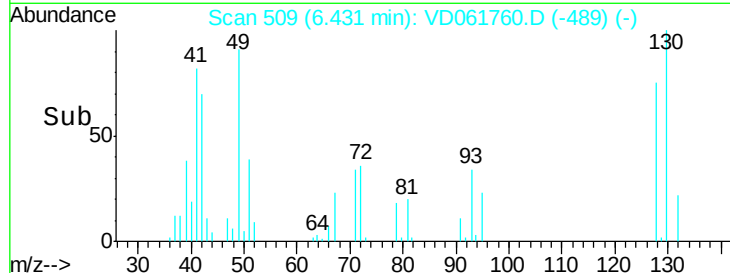
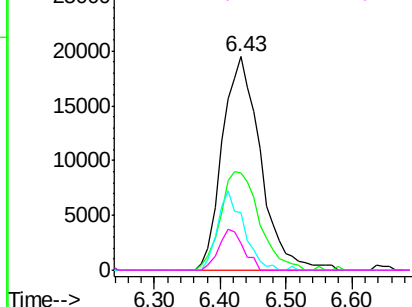
#41
Methacrylonitrile
Concen: 21.190 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

Tot Ion:	41	Resp:	79173
Ion	Ratio	Lower	Upper
41	100		
39	45.7	36.2	54.2
67	26.8	23.2	34.8
52	12.7	10.0	15.0

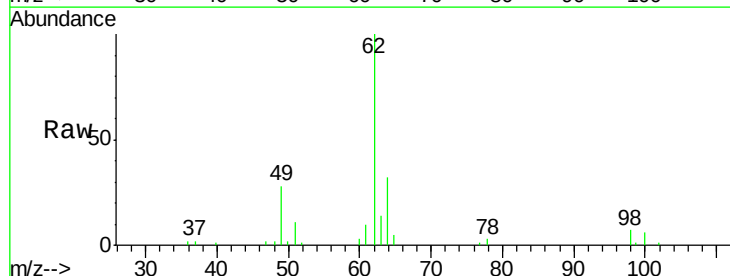


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

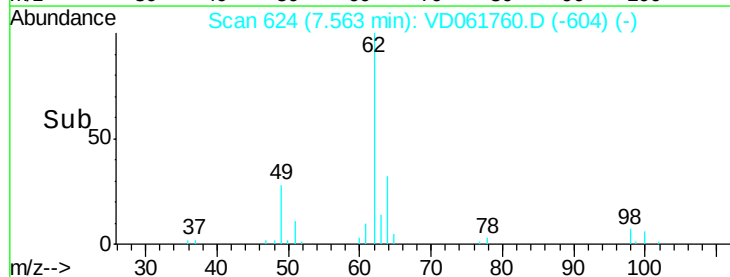
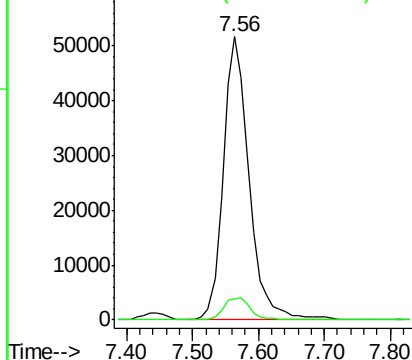


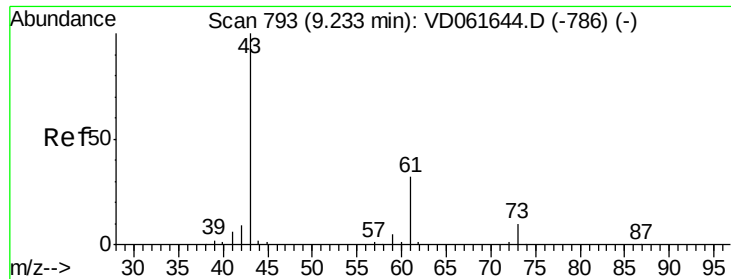
#42
1,2-Dichloroethane
Concen: 23.680 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:	62	Resp:	141180
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 20.511 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

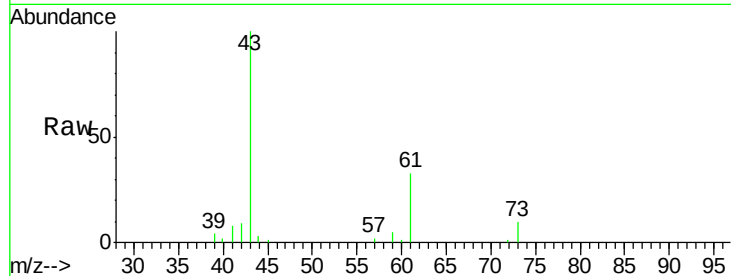
Tot Ion: 43 Resp: 95276

Ion Ratio Lower Upper

43 100

61 32.7 25.9 38.9

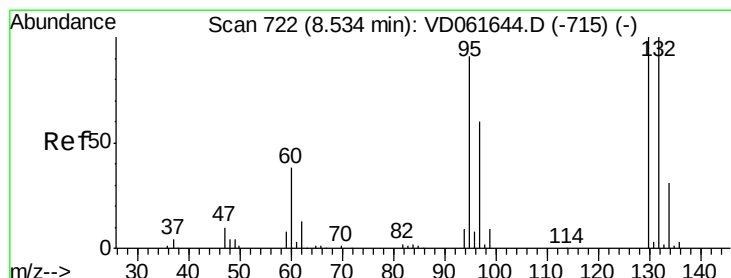
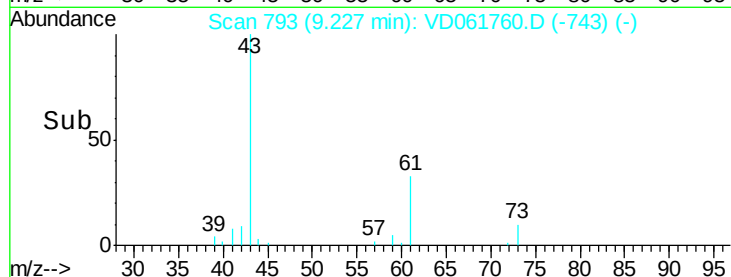
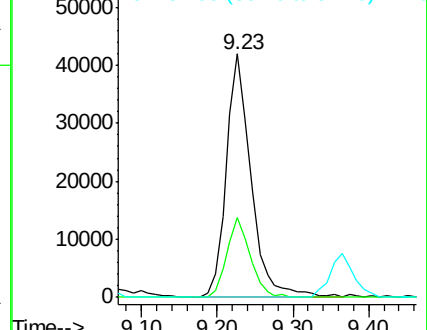
87 0.0 0.2 0.4#



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: 18.581 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD061760.D

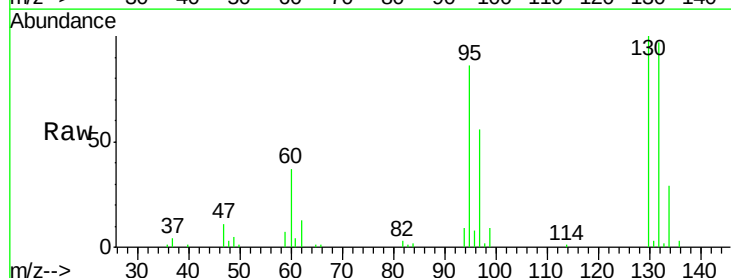
Acq: 12 Apr 2019 2:52

Tgt Ion:130 Resp: 135044

Ion Ratio Lower Upper

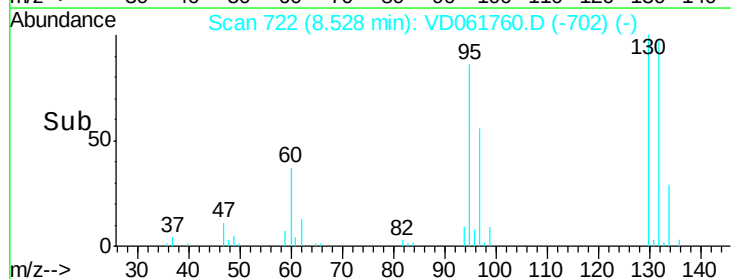
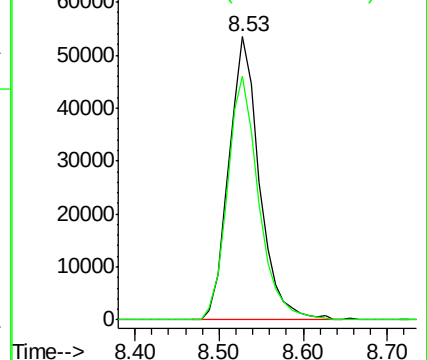
130 100

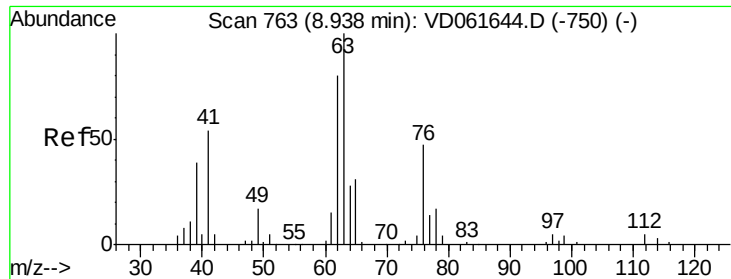
95 86.1 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

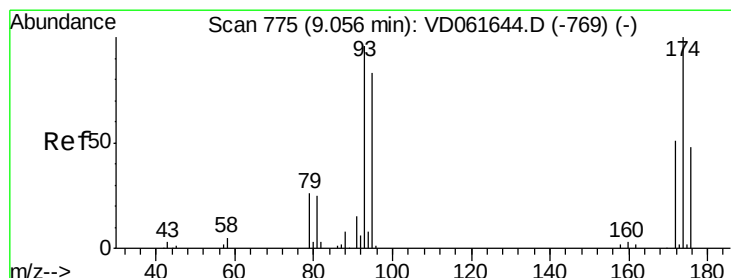
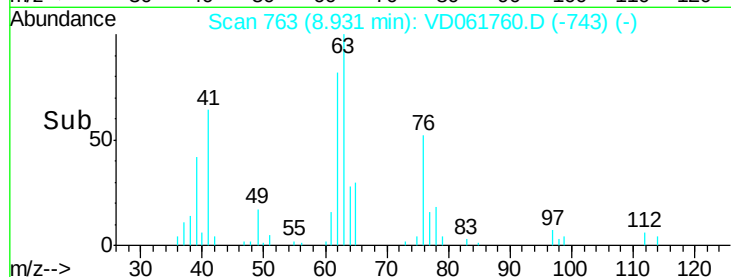
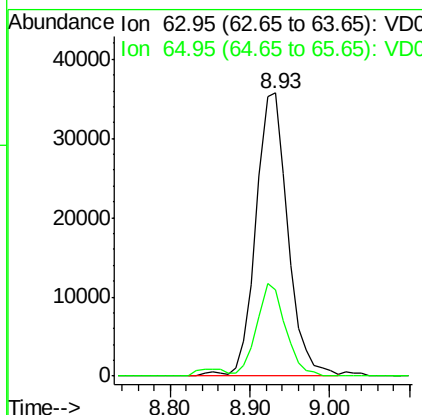
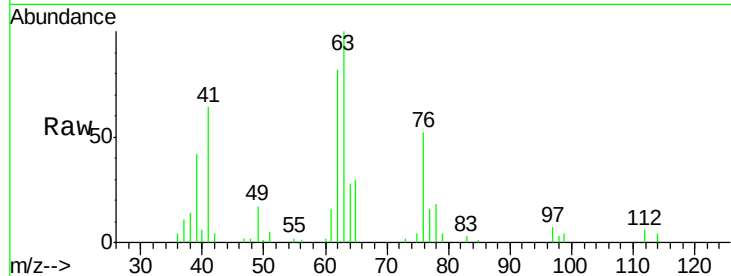




#45
 1,2-Dichloropropane
 Concen: 21.031 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

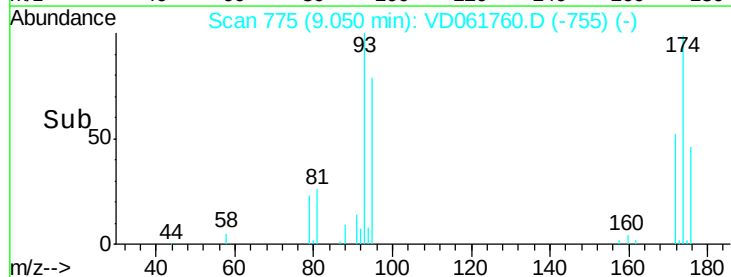
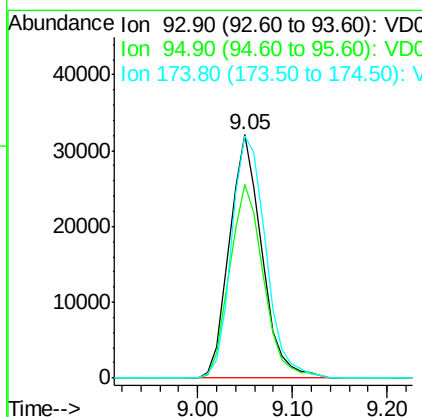
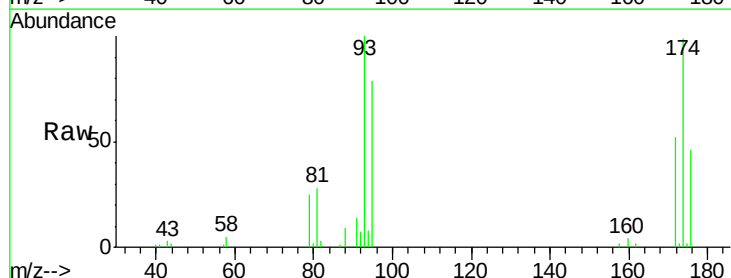
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

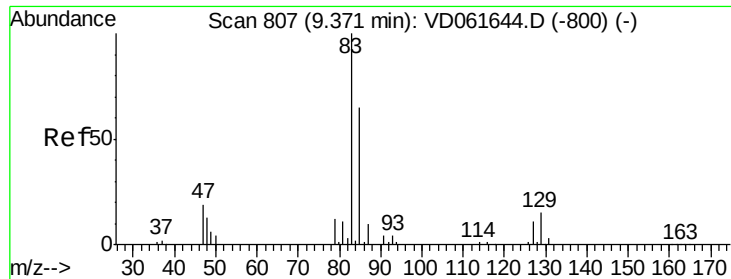
Tot Ion: 63 Resp: 98876
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.5 36.7



#46
 Dibromomethane
 Concen: 22.591 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 93 Resp: 75907
 Ion Ratio Lower Upper
 93 100
 95 79.5 68.6 103.0
 174 99.4 83.0 124.4





#47

Bromodichloromethane

Concen: 22.165 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

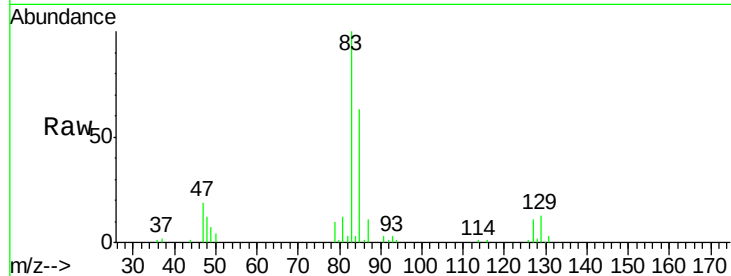
Tot Ion: 83 Resp: 163574

Ion Ratio Lower Upper

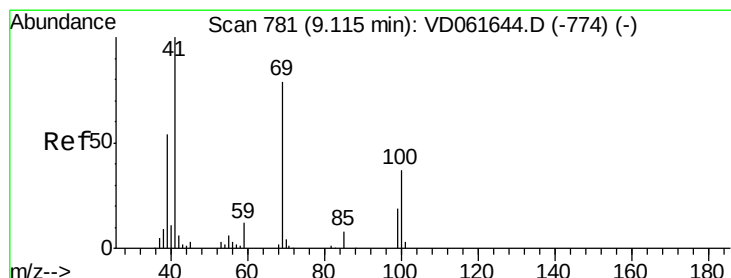
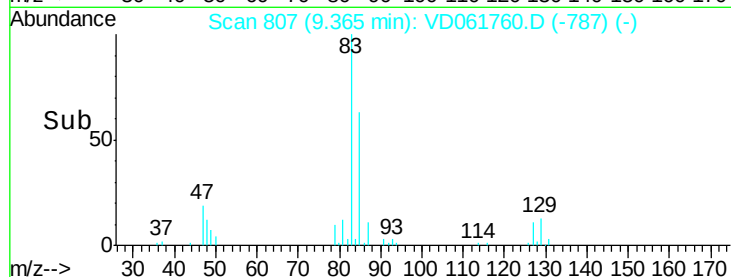
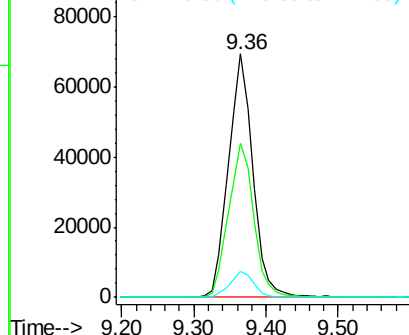
83 100

85 63.3 51.8 77.6

127 10.9 9.0 13.6



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: 21.675 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

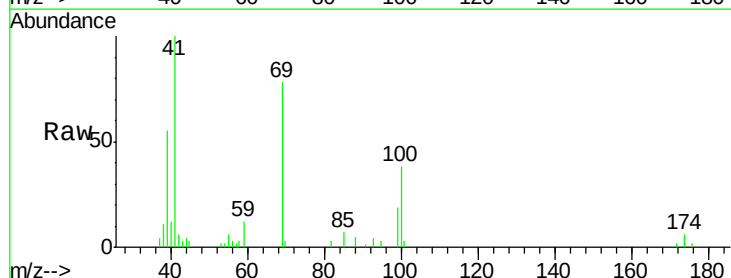
Tgt Ion: 41 Resp: 58039

Ion Ratio Lower Upper

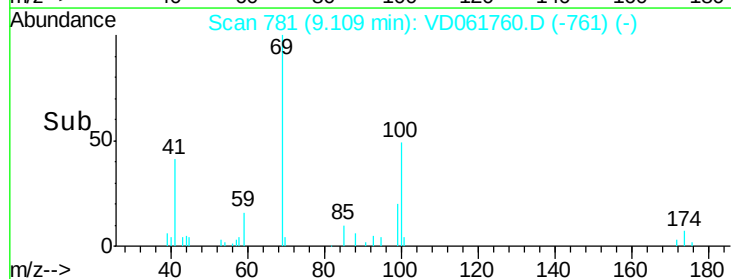
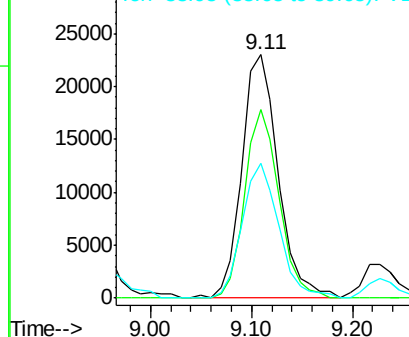
41 100

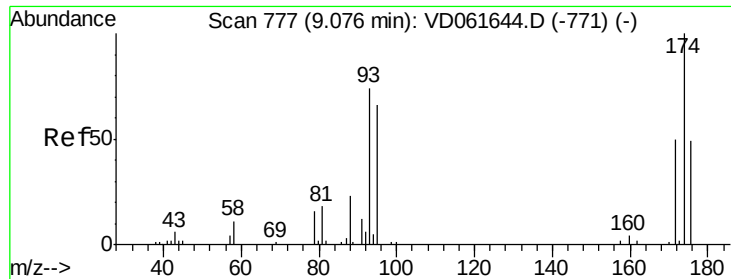
69 77.5 63.1 94.7

39 55.3 43.8 65.8



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

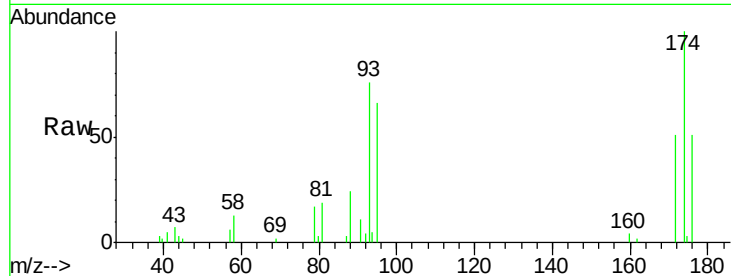




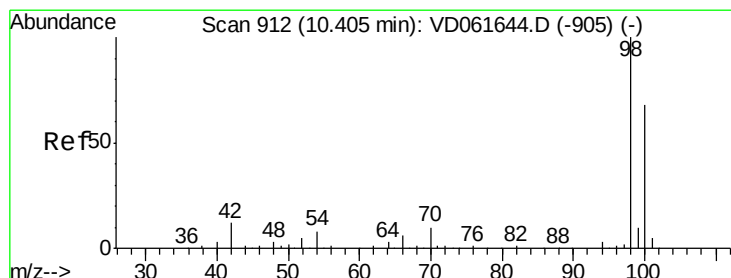
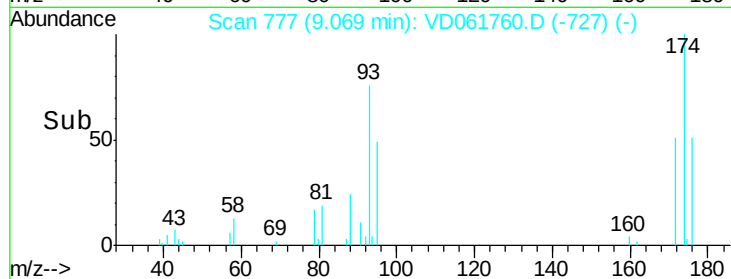
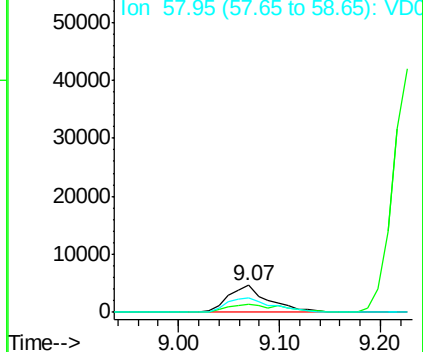
#49
1,4-Dioxane
Concen: 441.201 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

Tot Ion: 88 Resp: 13040
Ion Ratio Lower Upper
88 100
43 28.9 21.8 32.8
58 52.5 40.2 60.2

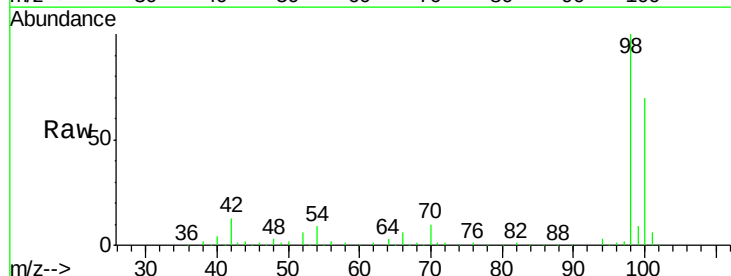


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

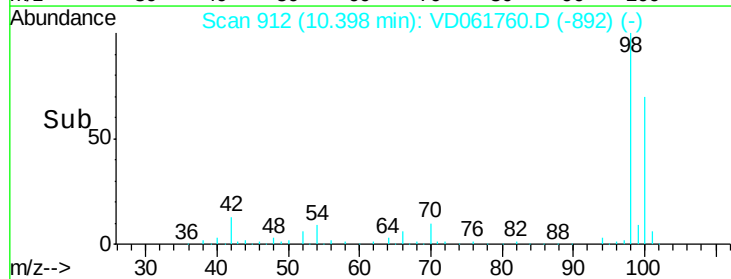
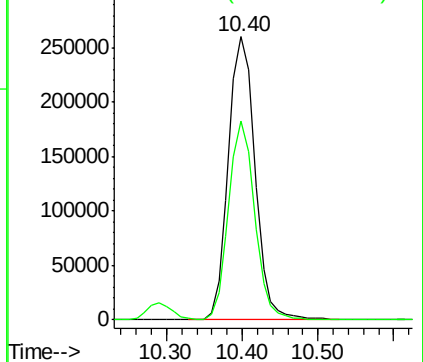


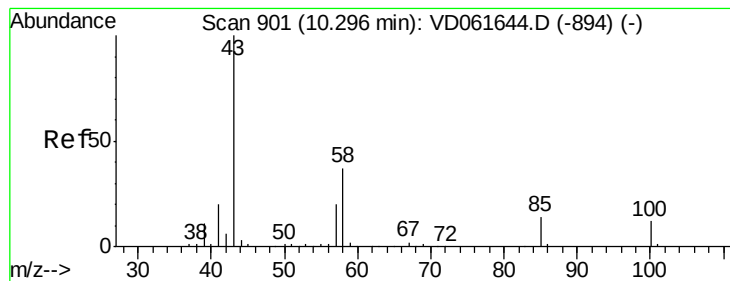
#50
Toluene-d8
Concen: 441.201 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 98 Resp: 634966
Ion Ratio Lower Upper
98 100
100 70.5 55.4 83.0



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: 108.920 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

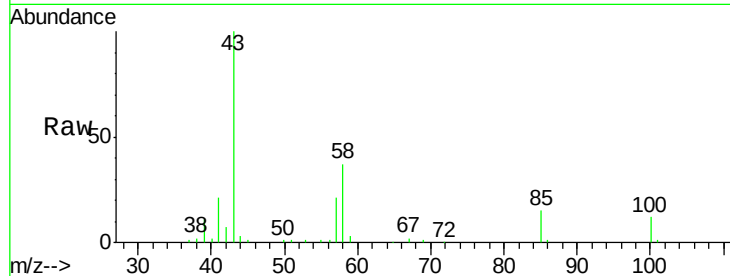
VD0411SBS02

Tot Ion: 43 Resp: 299220

Ion Ratio Lower Upper

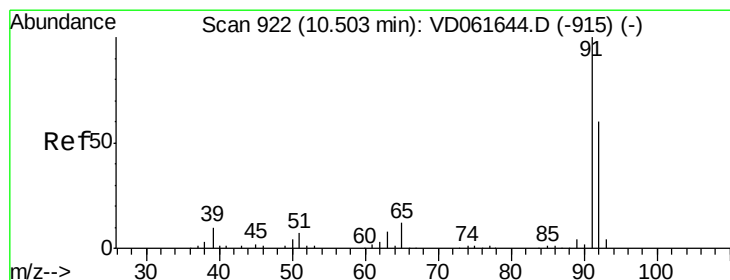
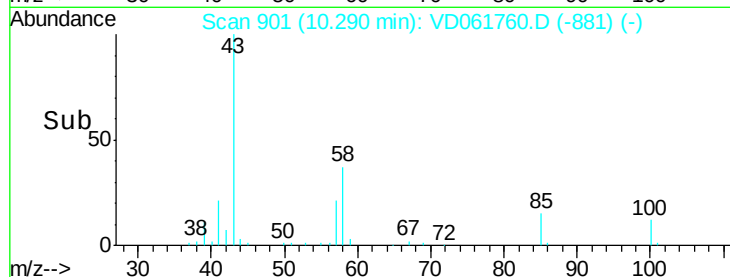
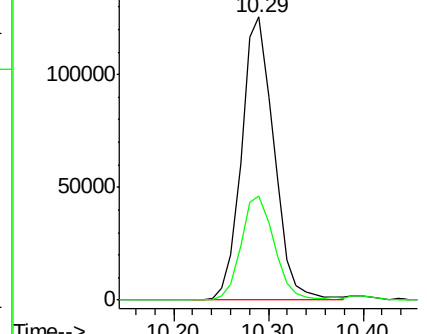
43 100

58 37.0 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.813 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061760.D

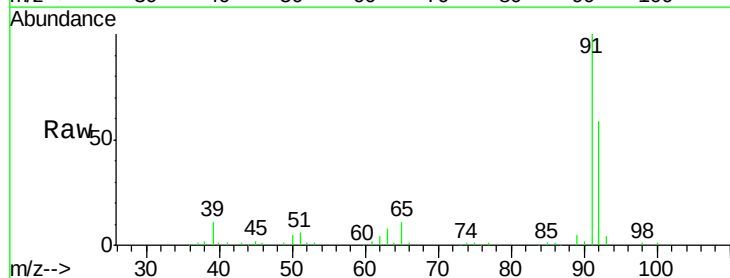
Acq: 12 Apr 2019 2:52

Tgt Ion: 92 Resp: 234542

Ion Ratio Lower Upper

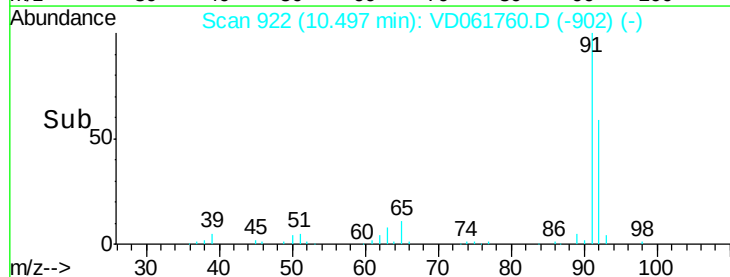
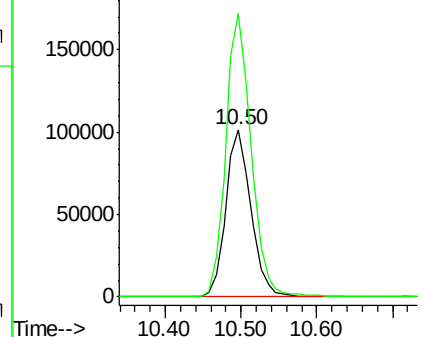
92 100

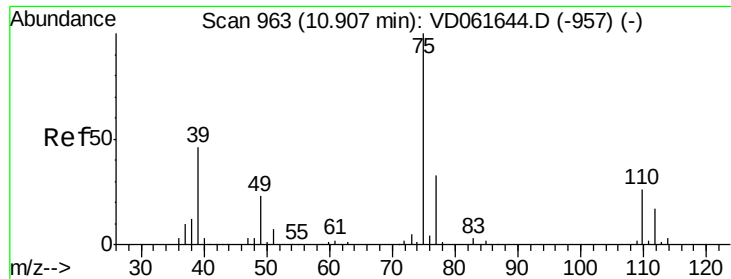
91 169.3 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

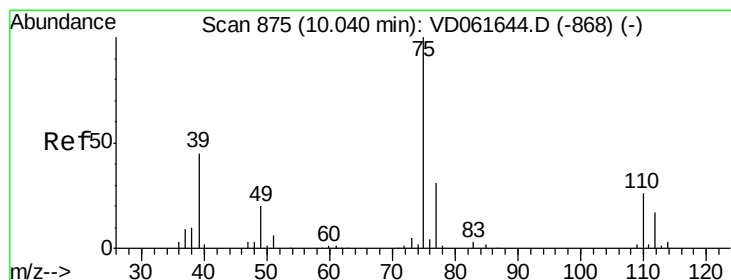
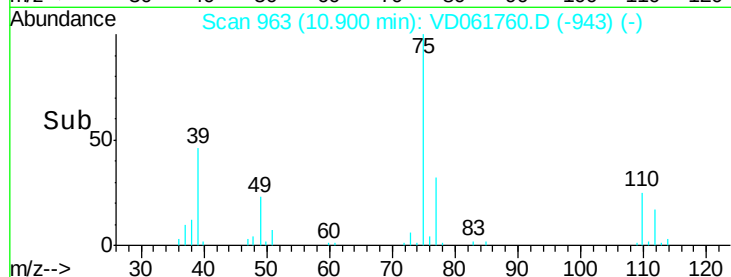
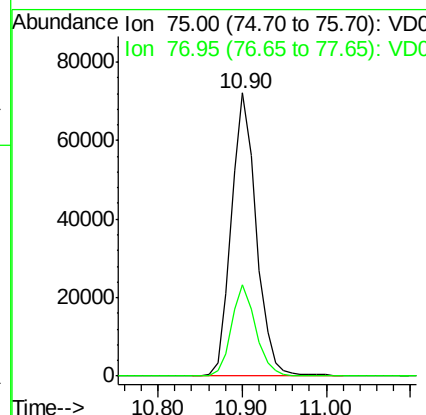
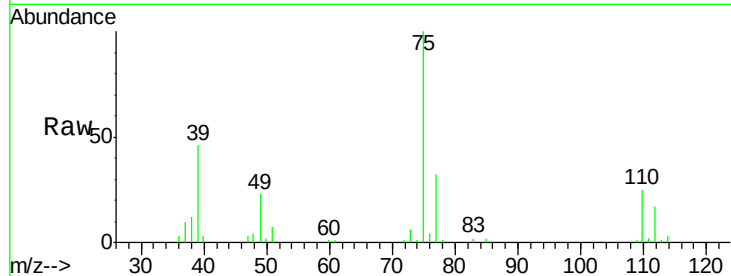




#53
t-1,3-Dichloropropene
Concen: 22.948 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

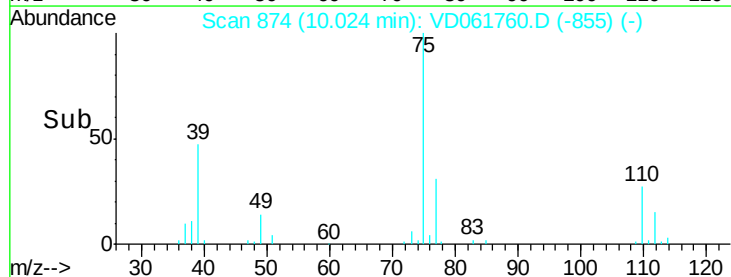
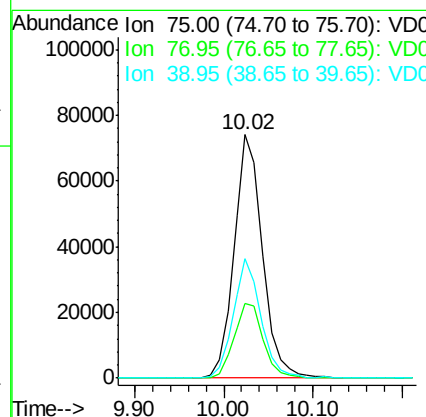
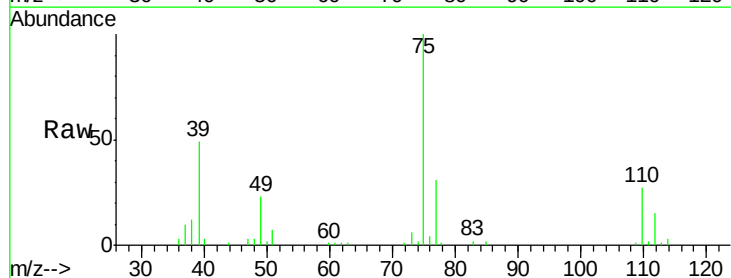
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

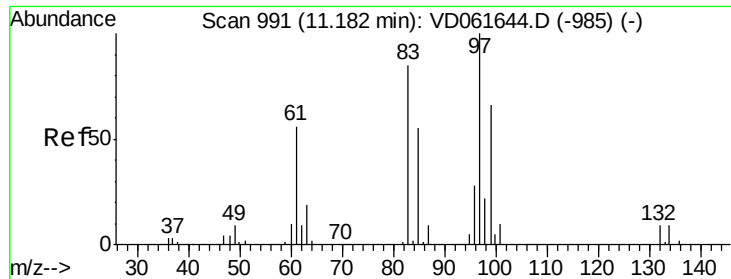
Tot Ion: 75 Resp: 148448
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 20.624 ug/l
RT: 10.02 min Scan# 874
Delta R.T. -0.02 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 75 Resp: 164463
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0
39 49.2 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 20.162 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

Tot Ion: 97 Resp: 80499

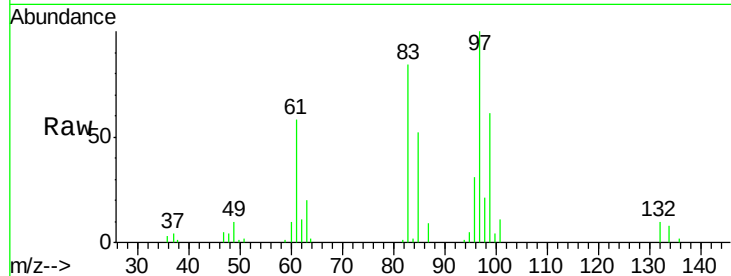
Ion Ratio Lower Upper

97 100

83 84.3 67.8 101.6

85 52.4 43.8 65.8

99 61.2 52.8 79.2

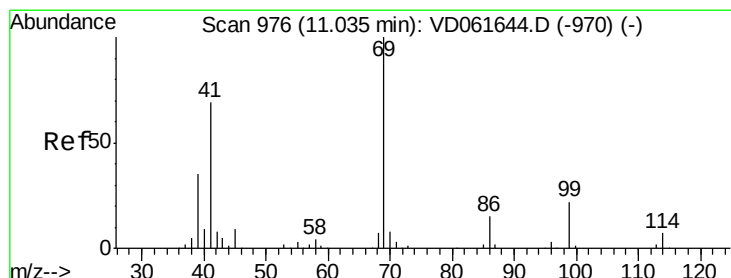
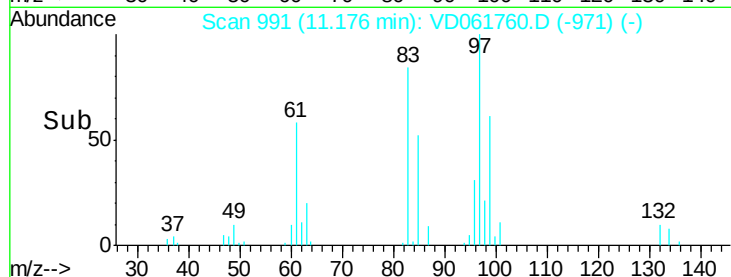
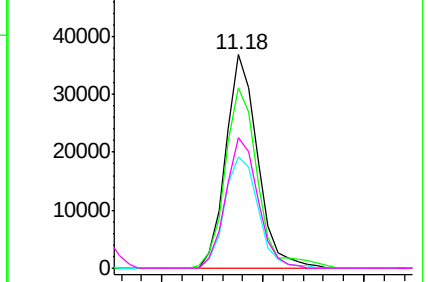


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.753 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

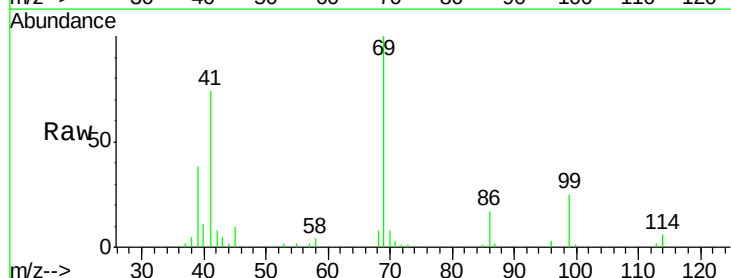
Tgt Ion: 69 Resp: 91622

Ion Ratio Lower Upper

69 100

41 73.6 55.2 82.8

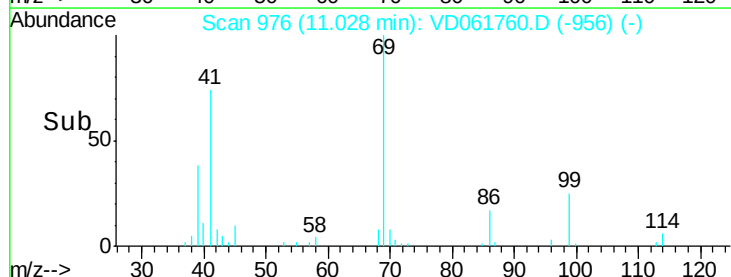
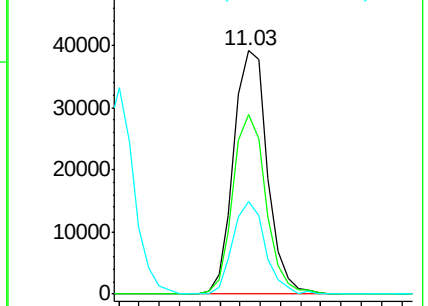
39 37.8 28.6 43.0

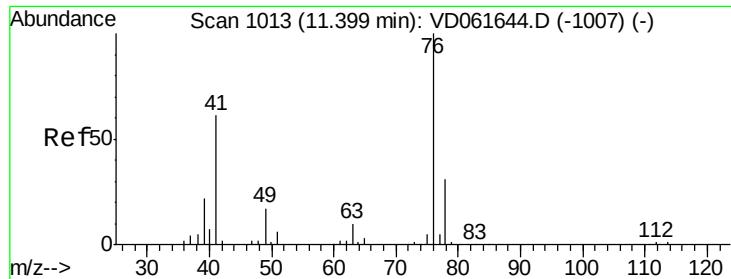


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

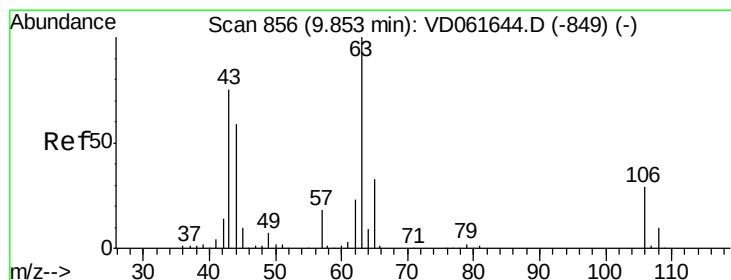
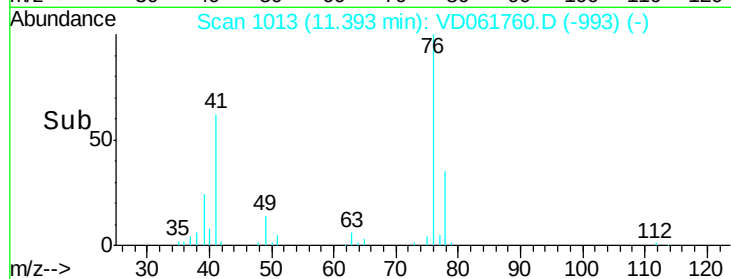
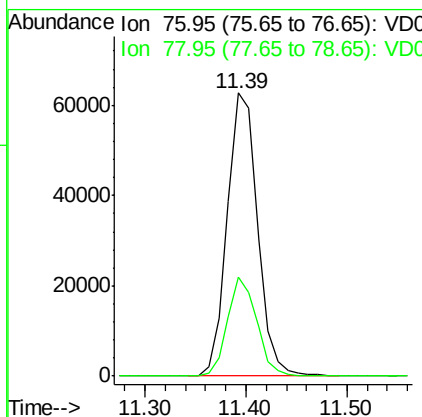
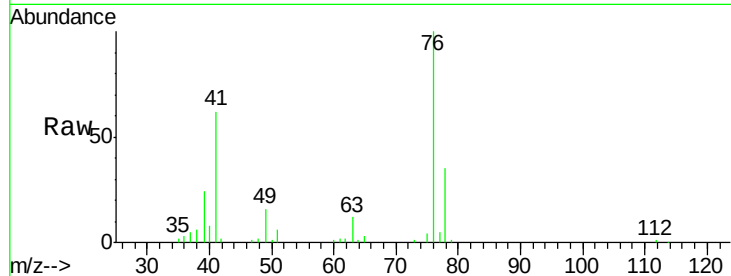




#57
 1,3-Dichloropropane
 Concen: 22.448 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

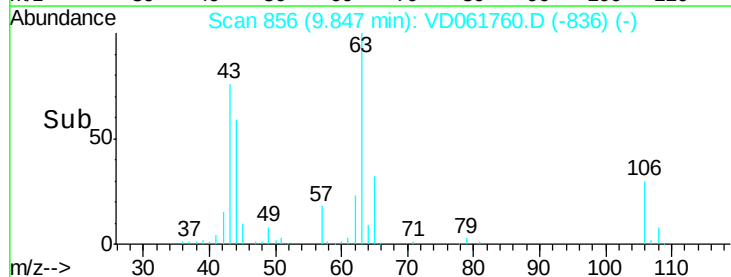
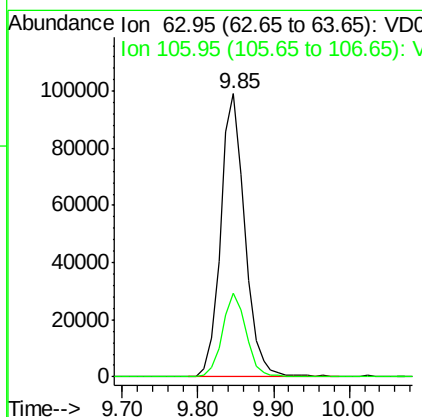
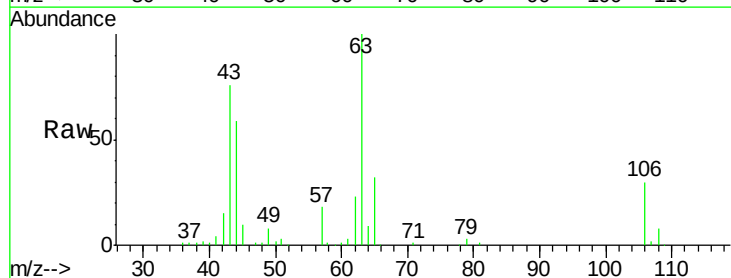
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

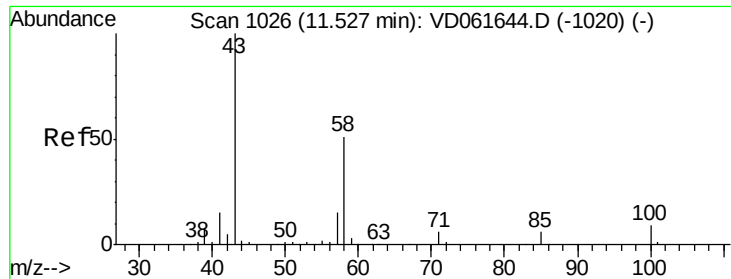
Tot Ion: 76 Resp: 131251
 Ion Ratio Lower Upper
 76 100
 78 35.1 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.542 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 63 Resp: 219688
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.0 34.6

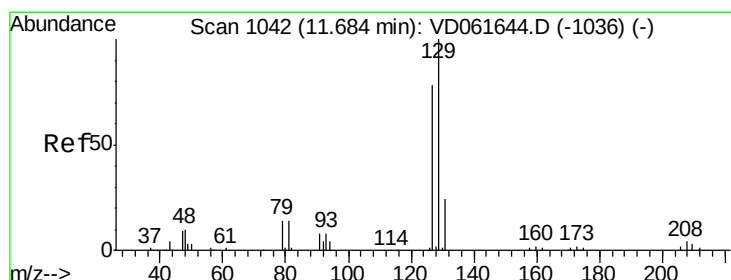
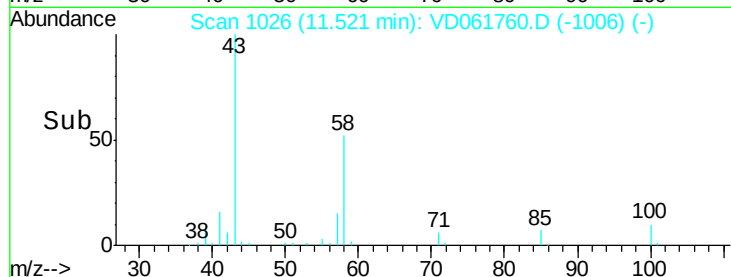
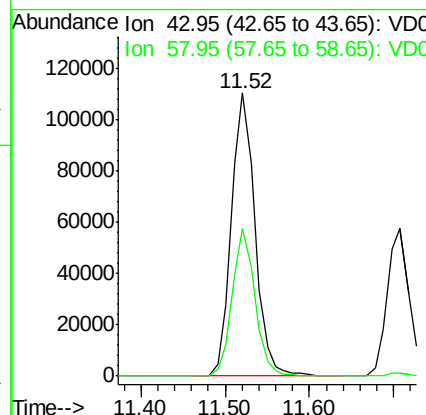
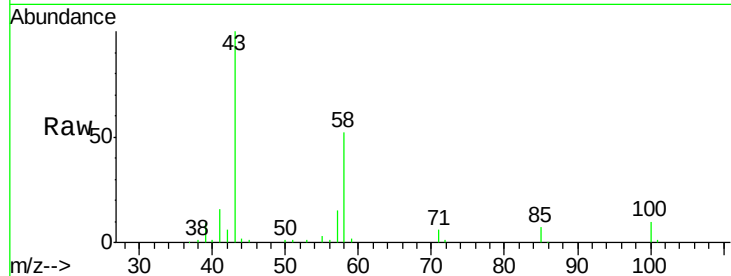




#59
2-Hexanone
Concen: 100.595 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

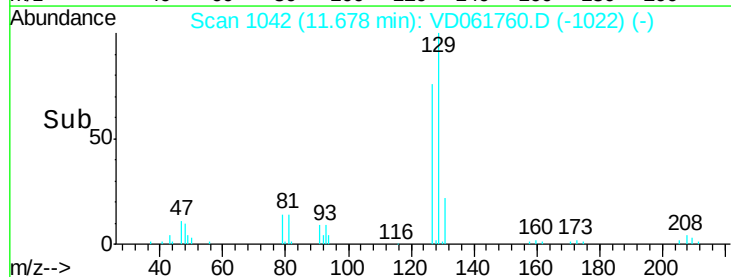
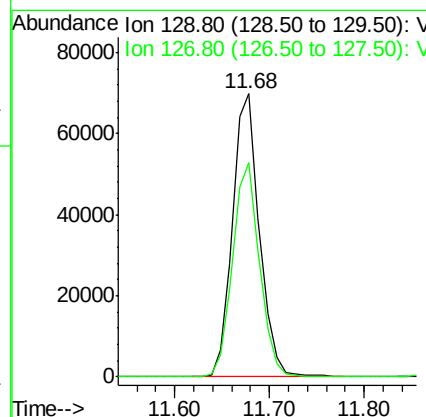
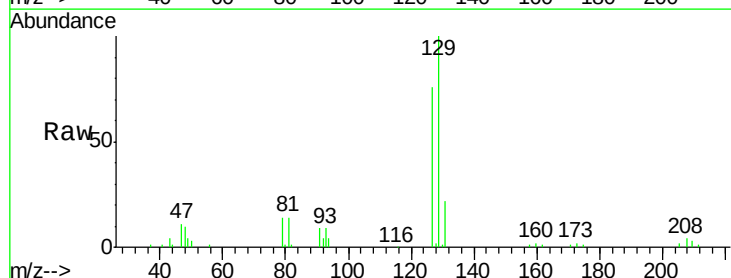
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

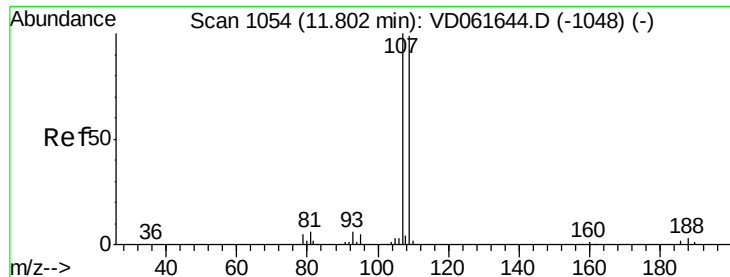
Tot Ion: 43 Resp: 214470
Ion Ratio Lower Upper
43 100
58 52.1 25.6 76.8



#60
Dibromochloromethane
Concen: 21.783 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 129 Resp: 137405
Ion Ratio Lower Upper
129 100
127 75.9 38.8 116.4

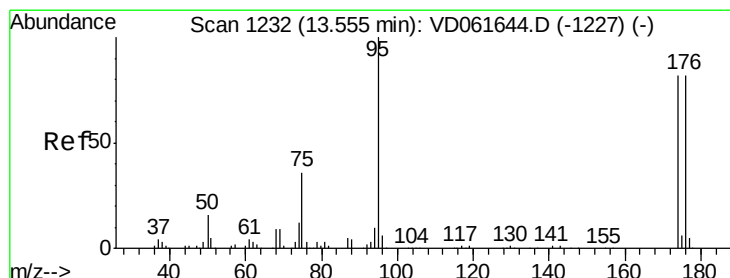
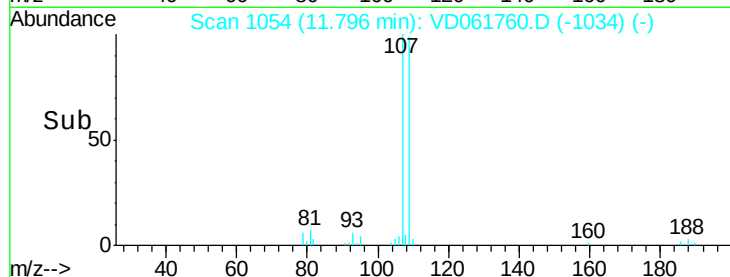
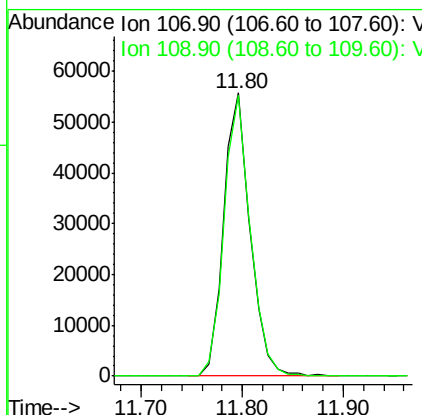
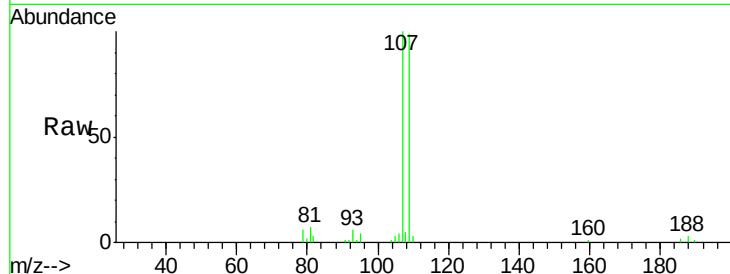




#61
 1,2-Dibromoethane
 Concen: 21.733 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

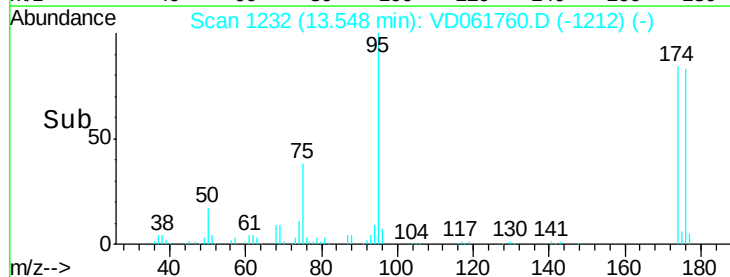
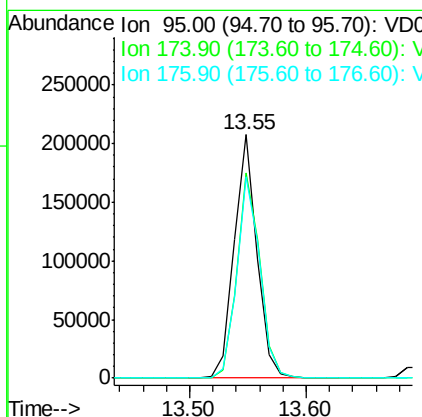
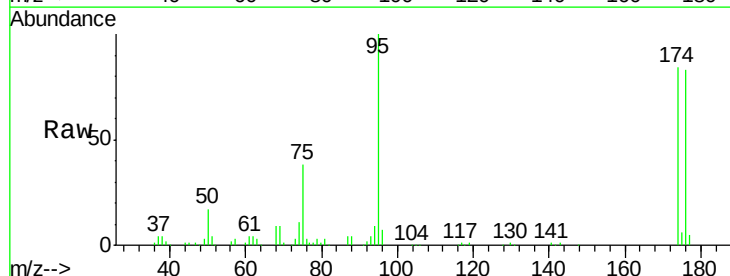
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

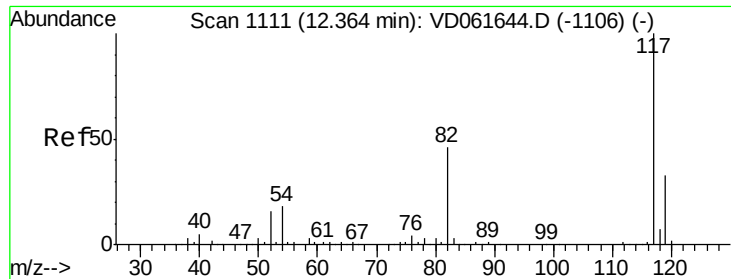
Tot Ion: 107 Resp: 101475
 Ion Ratio Lower Upper
 107 100
 109 99.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 21.733 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 95 Resp: 278638
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 164.6
 176 82.9 0.0 165.0

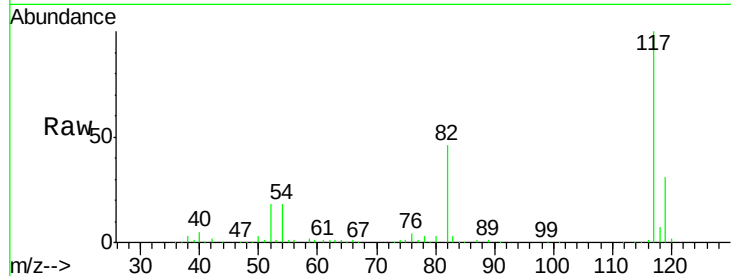




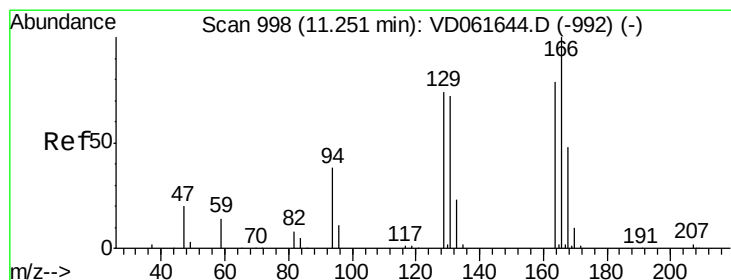
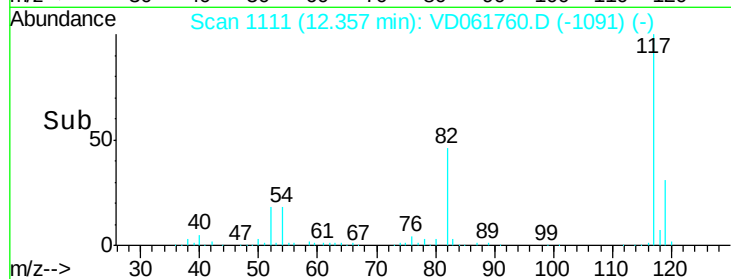
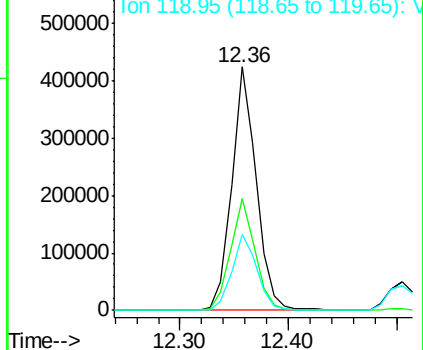
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

Tot Ion:117 Resp: 669939
Ion Ratio Lower Upper
117 100
82 46.1 36.8 55.2
119 31.3 26.1 39.1

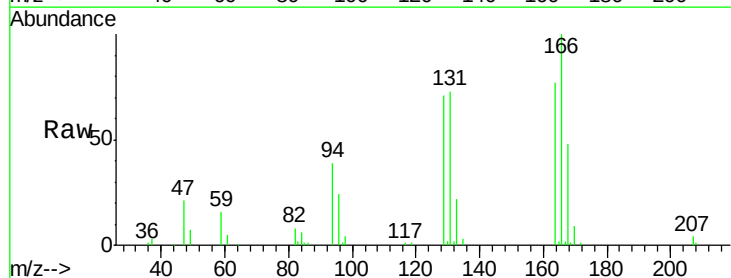


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

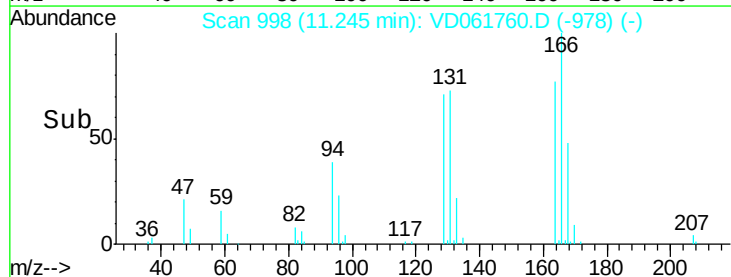
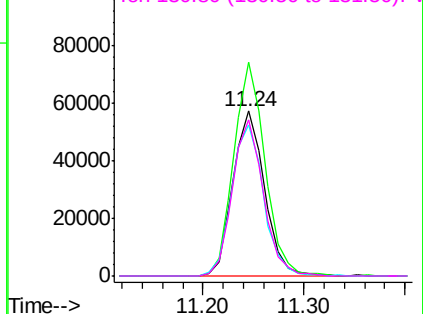


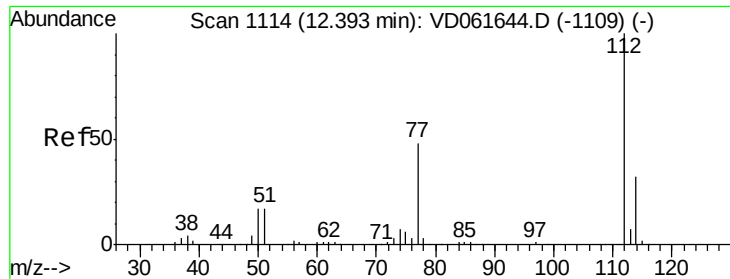
#64
Tetrachloroethene
Concen: 23.985 ug/l
RT: 11.24 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:164 Resp: 124728
Ion Ratio Lower Upper
164 100
166 129.7 101.8 152.8
129 92.0 75.4 113.0
131 94.5 73.6 110.4



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

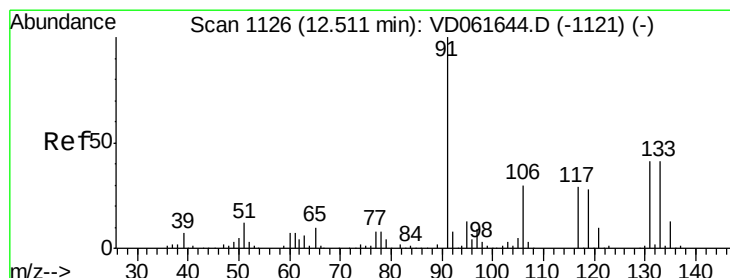
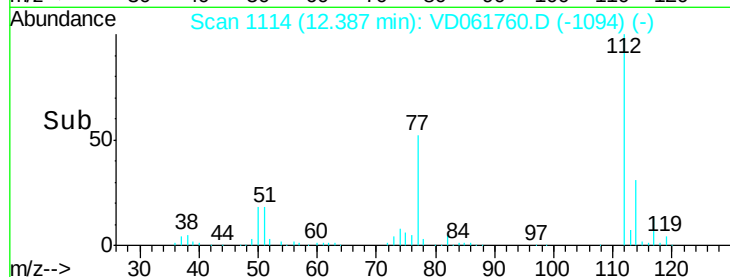
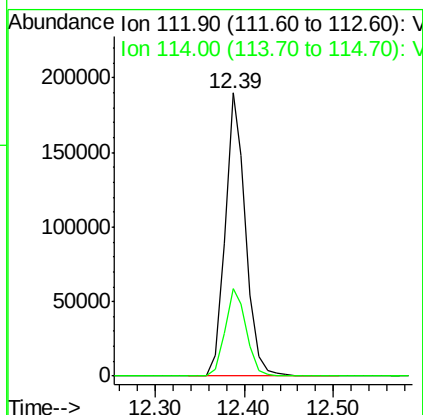
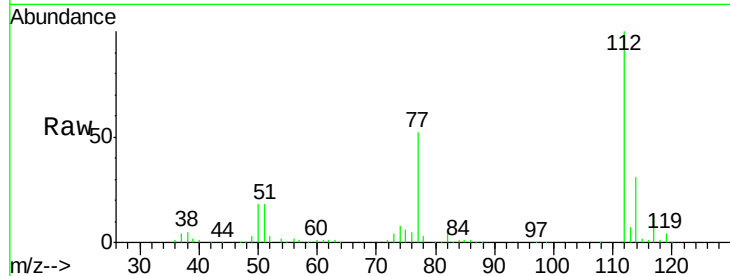




#65
Chlorobenzene
Concen: 22.982 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

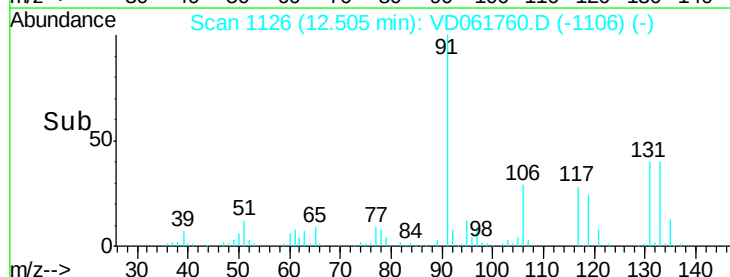
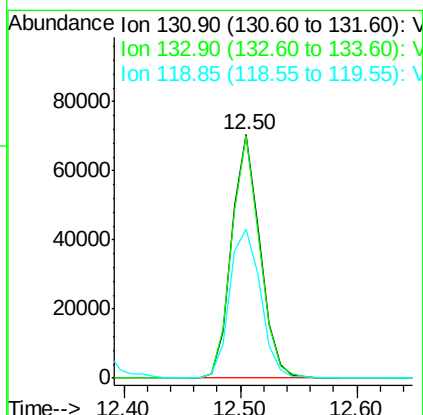
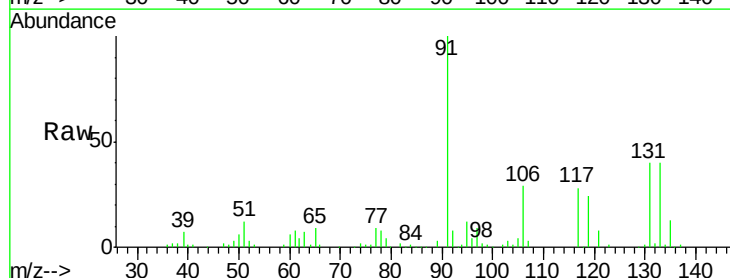
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

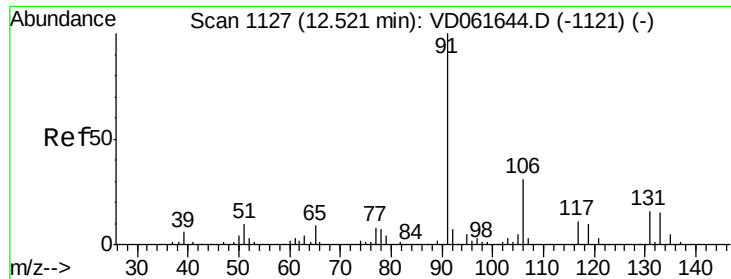
Tot Ion:112 Resp: 305331
Ion Ratio Lower Upper
112 100
114 30.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.208 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:131 Resp: 118646
Ion Ratio Lower Upper
131 100
133 99.6 49.5 148.3
119 61.1 34.7 104.1

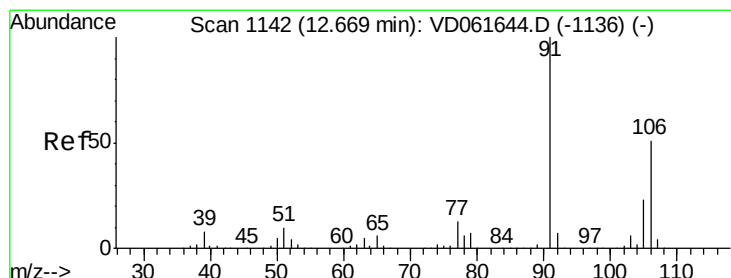
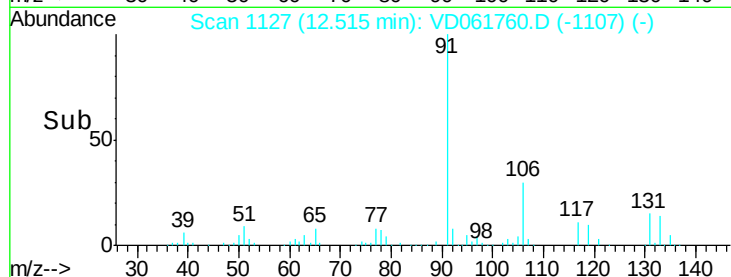
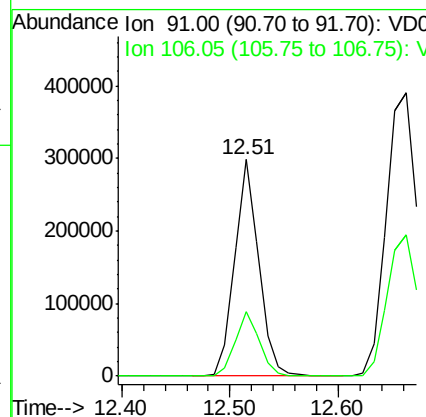
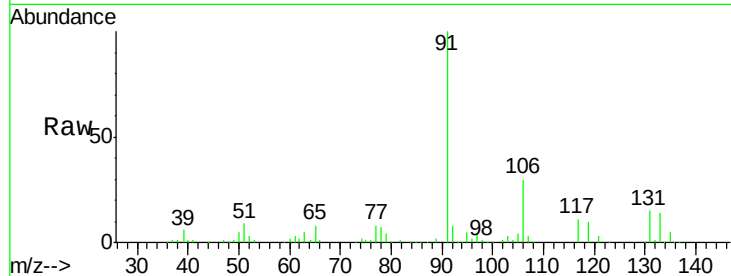




#67
Ethyl Benzene
Concen: 22.822 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

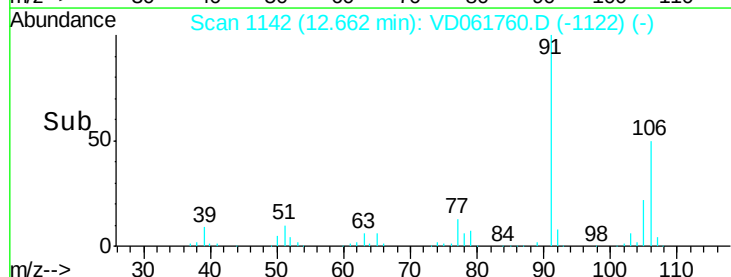
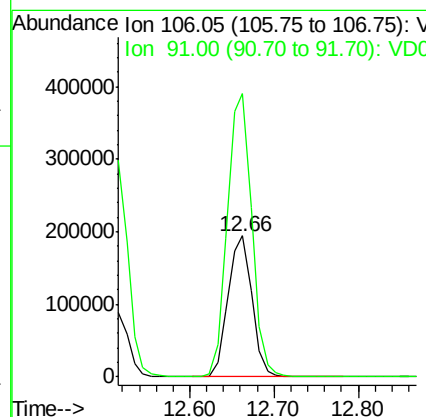
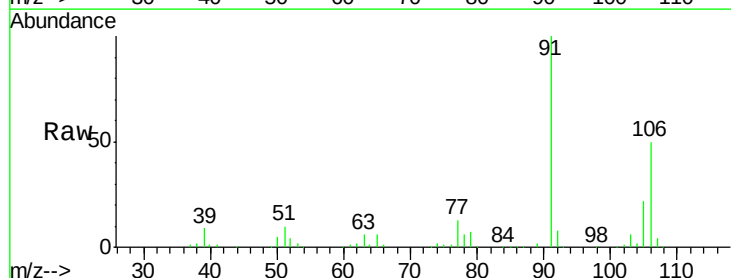
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

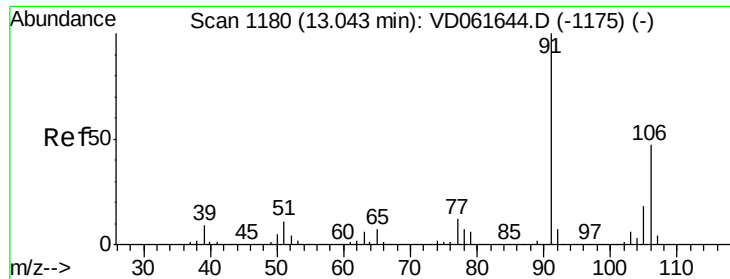
Tot Ion: 91 Resp: 461711
Ion Ratio Lower Upper
91 100
106 29.6 24.6 37.0



#68
m/p-Xylenes
Concen: 49.049 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 106 Resp: 382564
Ion Ratio Lower Upper
106 100
91 200.9 156.7 235.1

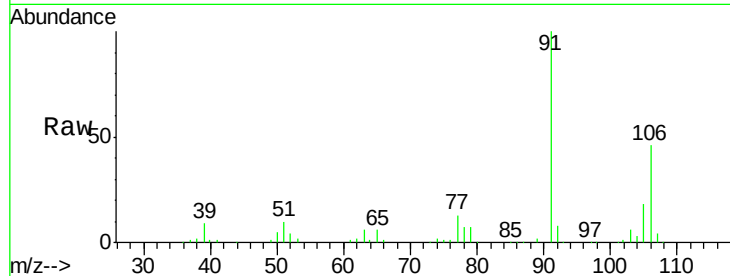




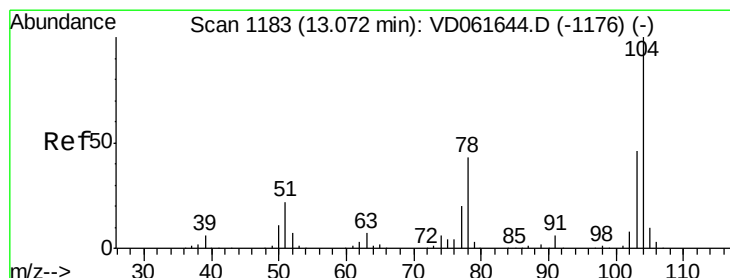
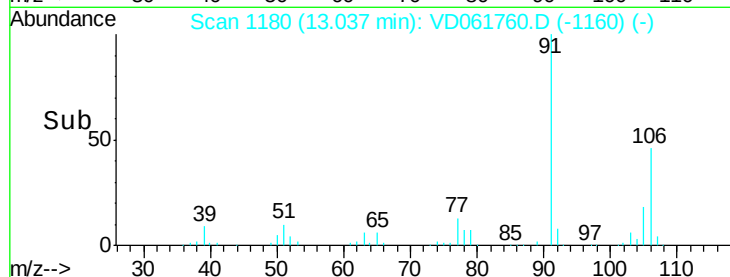
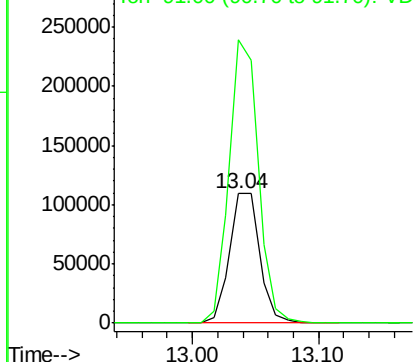
#69
o-Xylene
Concen: 23.949 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

Tot Ion:106 Resp: 180314
Ion Ratio Lower Upper
106 100
91 219.1 107.3 321.9

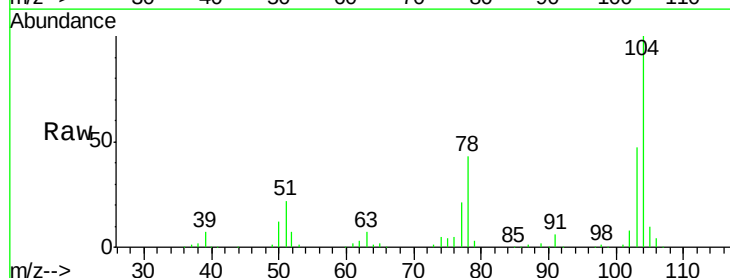


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

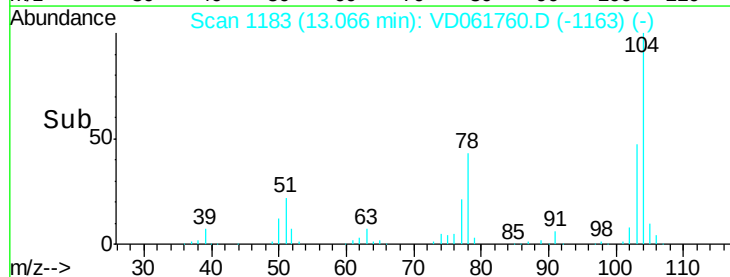
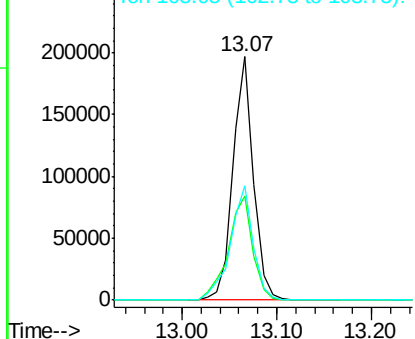


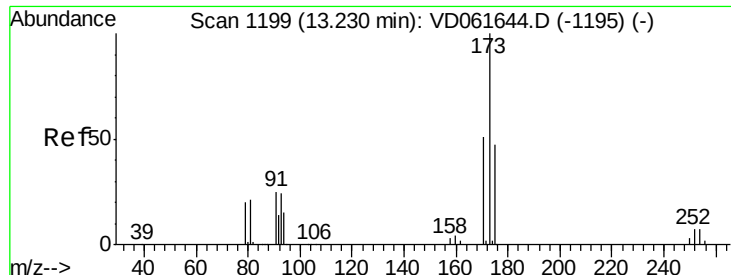
#70
Styrene
Concen: 22.837 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:104 Resp: 293633
Ion Ratio Lower Upper
104 100
78 42.9 34.2 51.4
103 47.2 37.2 55.8



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





#71

Bromoform

Concen: 23.108 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

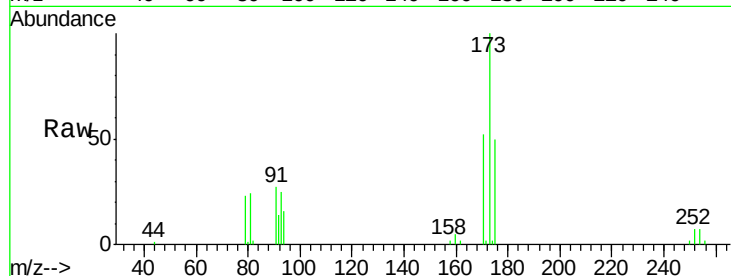
Tot Ion:173 Resp: 73298

Ion Ratio Lower Upper

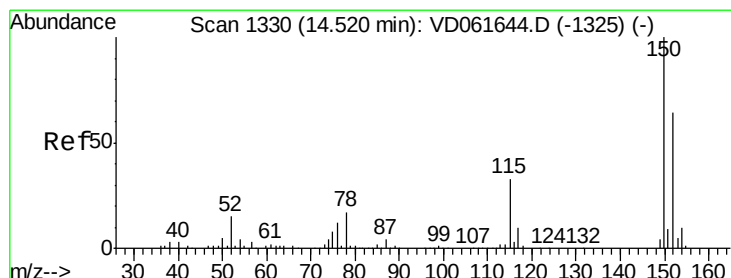
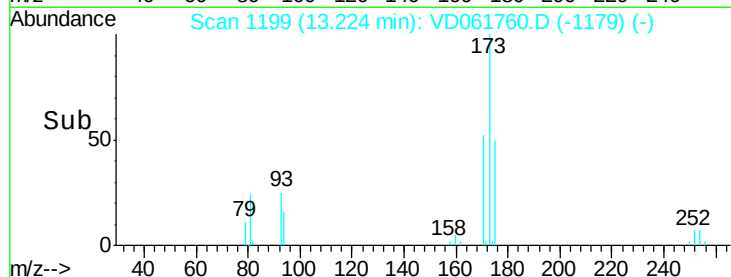
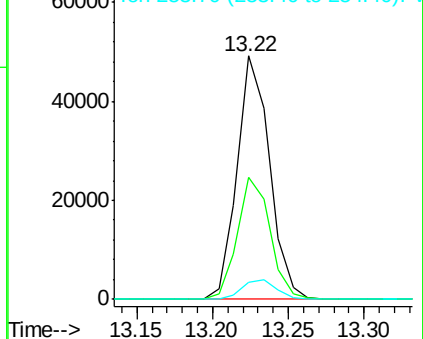
173 100

175 50.2 23.7 71.1

254 6.9 5.8 8.6



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# 1330

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

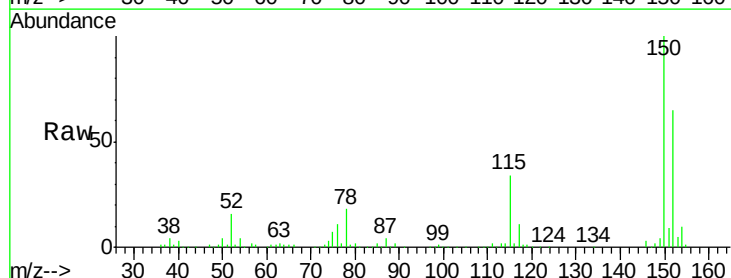
Tgt Ion:152 Resp: 347971

Ion Ratio Lower Upper

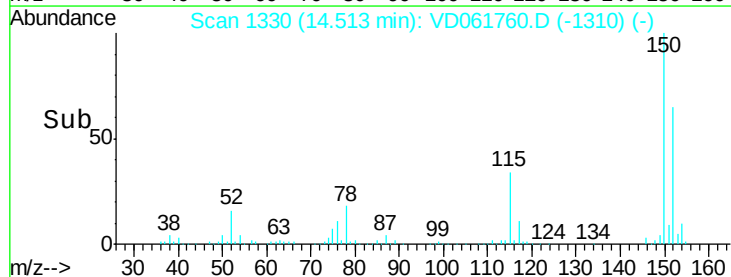
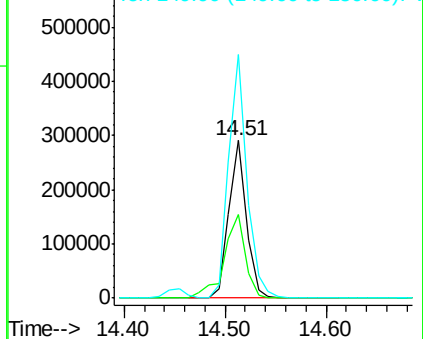
152 100

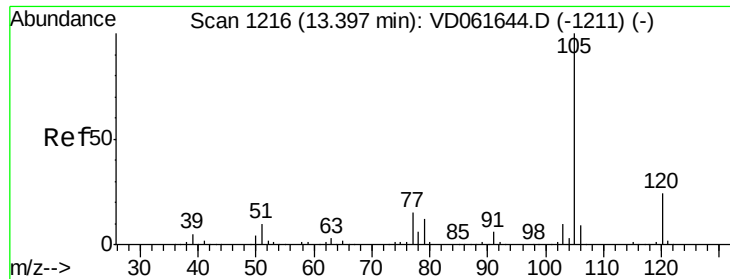
115 52.9 26.4 79.2

150 154.6 0.0 320.6



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: 19.248 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

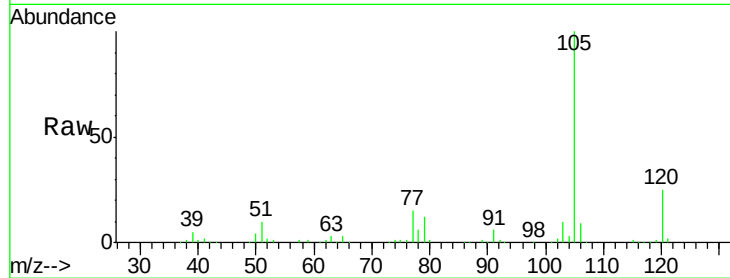
VD0411SBS02

Tot Ion:105 Resp: 446275

Ion Ratio Lower Upper

105 100

120 24.8 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

300000

250000

200000

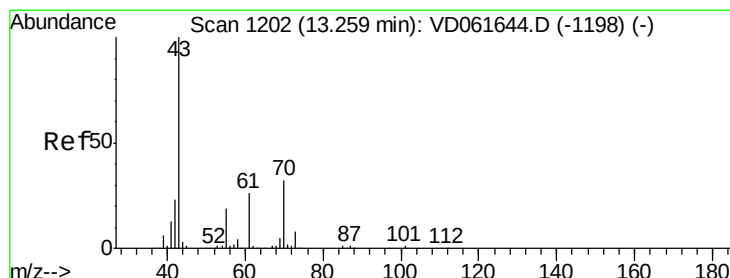
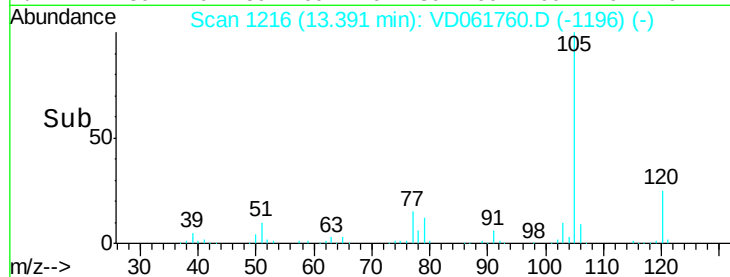
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.341 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Tgt Ion: 43 Resp: 115539

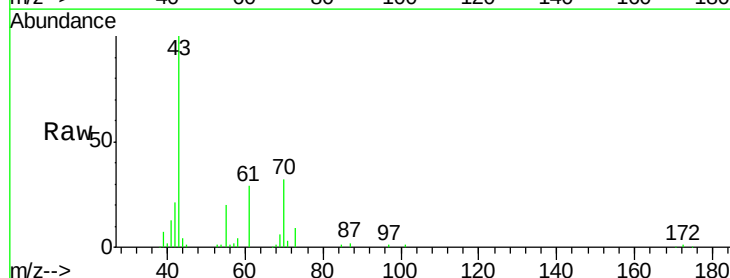
Ion Ratio Lower Upper

43 100

70 32.2 25.4 38.2

55 19.9 15.0 22.4

61 28.5 20.9 31.3



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

120000

100000

80000

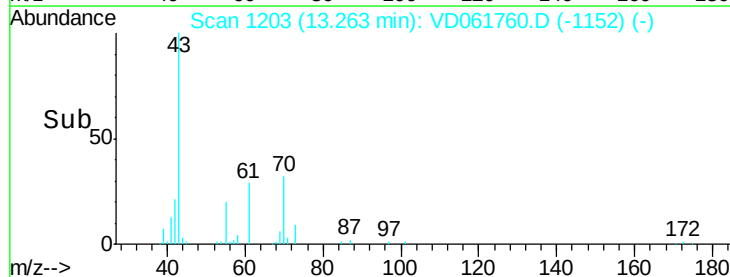
60000

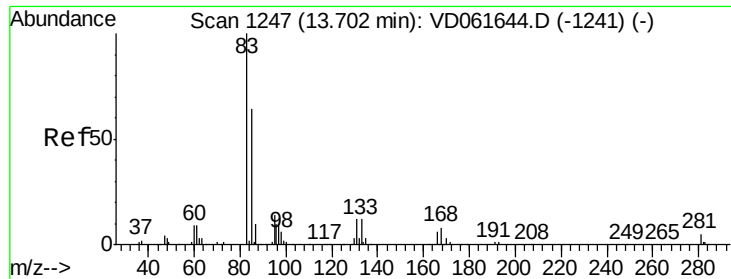
40000

20000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.119 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

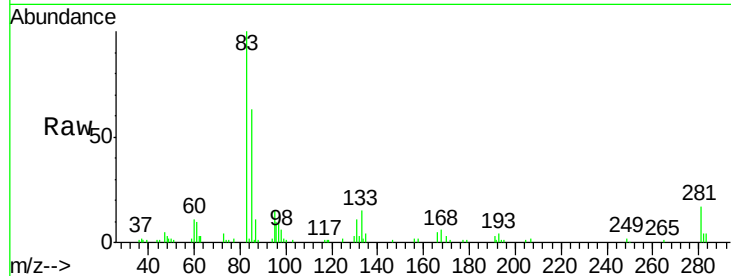
Tot Ion: 83 Resp: 91658

Ion Ratio Lower Upper

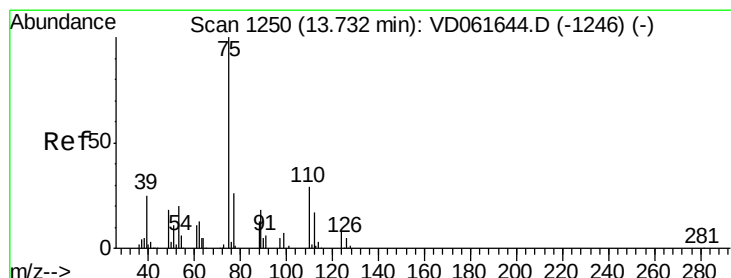
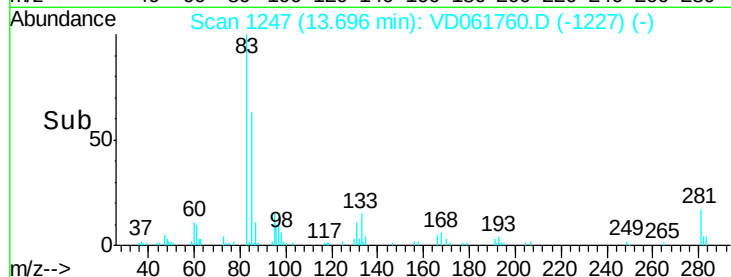
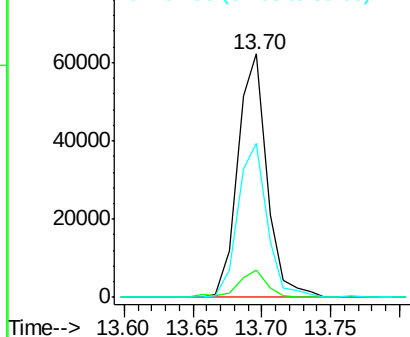
83 100

131 11.4 5.9 17.6

85 63.1 32.0 96.2



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



#76

1,2,3-Trichloropropane

Concen: 19.129 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061760.D

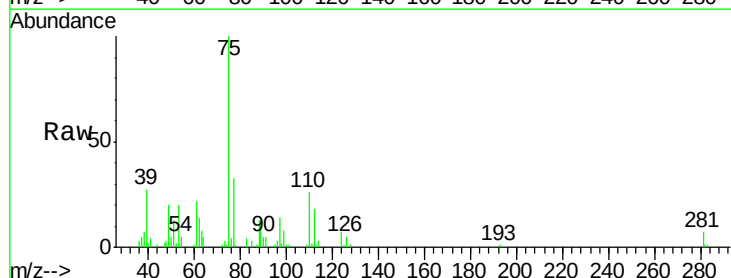
Acq: 12 Apr 2019 2:52

Tgt Ion: 75 Resp: 90561

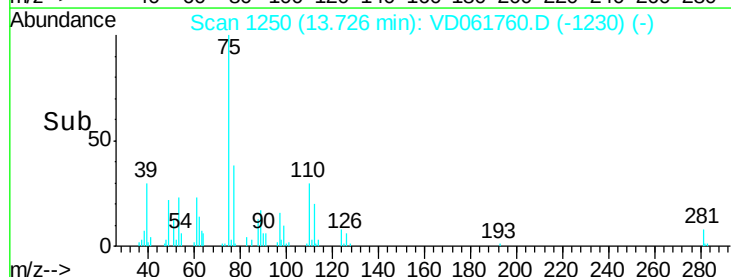
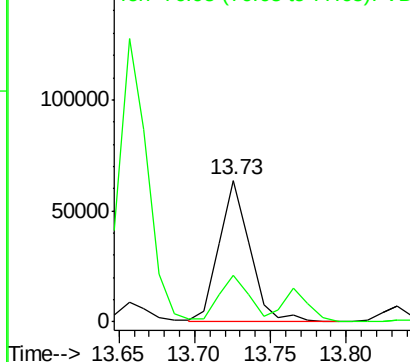
Ion Ratio Lower Upper

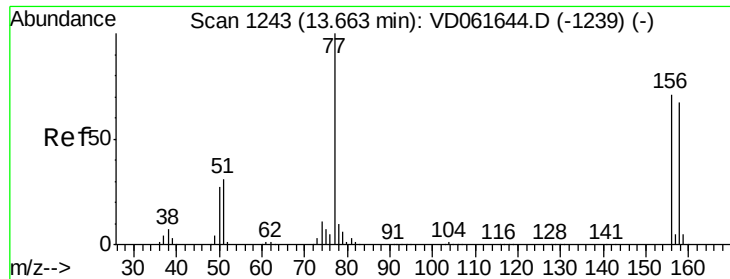
75 100

77 33.3 15.7 47.1



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





#77

Bromobenzene

Concen: 20.116 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

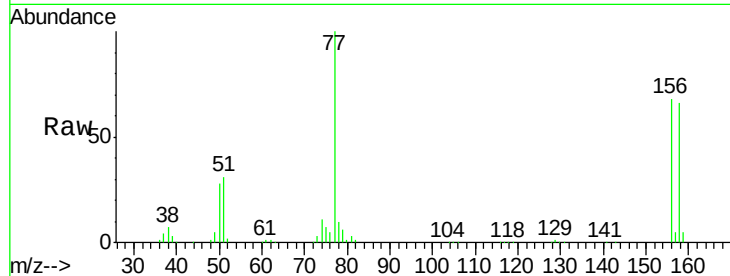
Tot Ion:156 Resp: 135379

Ion Ratio Lower Upper

156 100

77 146.7 70.3 210.8

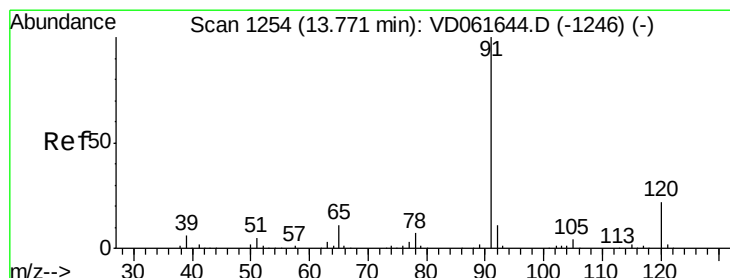
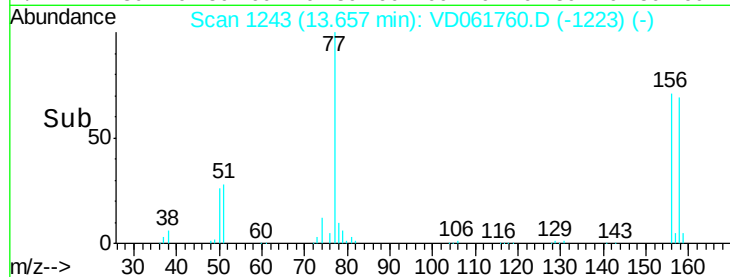
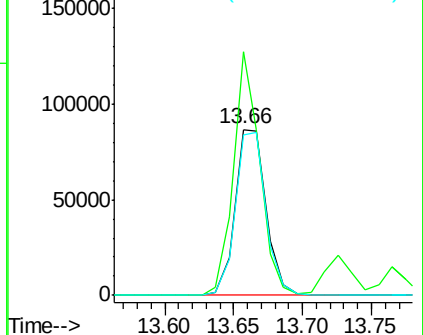
158 96.5 47.4 142.2



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: 18.552 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061760.D

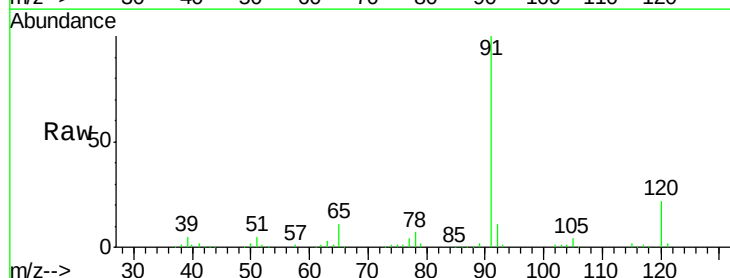
Acq: 12 Apr 2019 2:52

Tgt Ion: 91 Resp: 514526

Ion Ratio Lower Upper

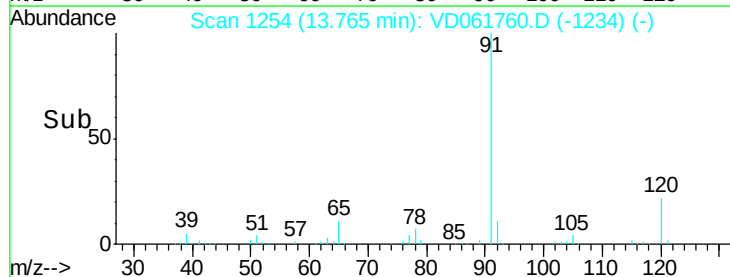
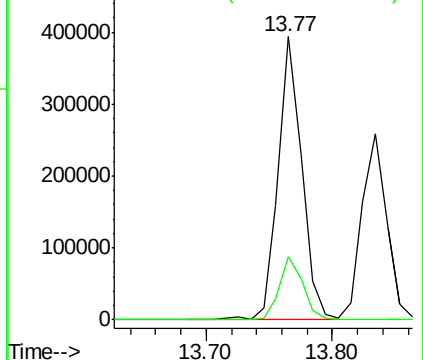
91 100

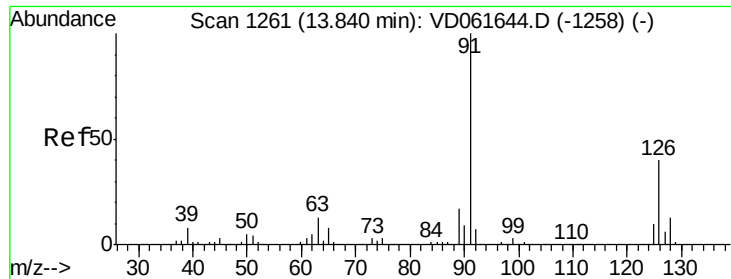
120 22.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

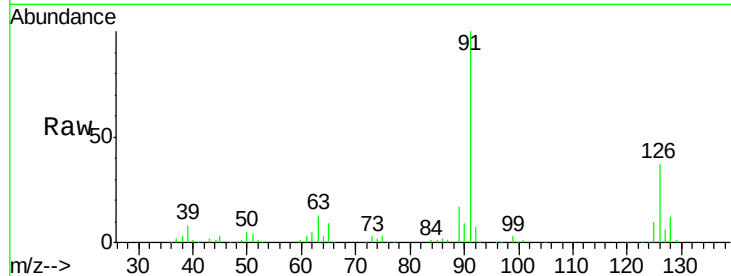




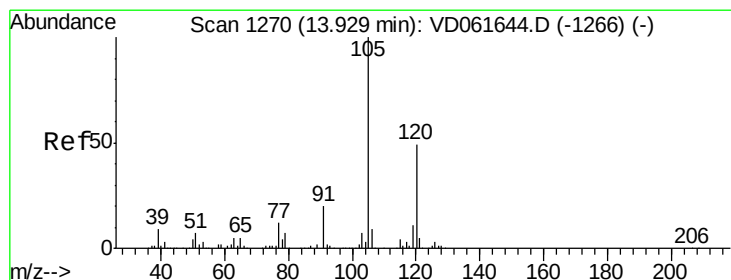
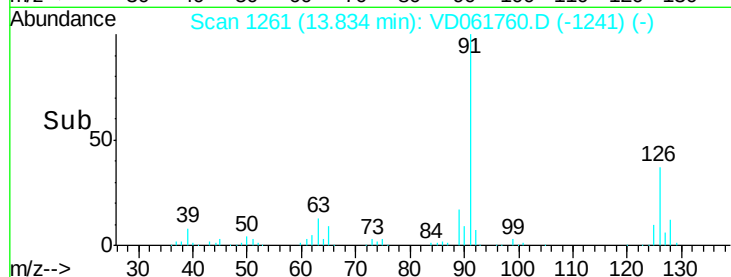
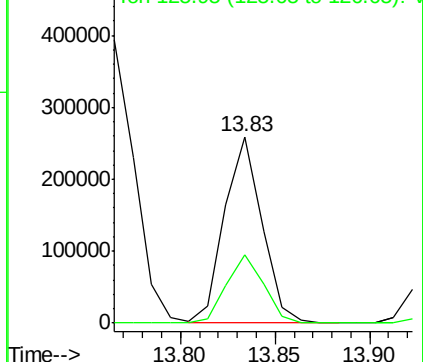
#79
 2-Chlorotoluene
 Concen: 22.331 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

Tot Ion: 91 Resp: 354182
 Ion Ratio Lower Upper
 91 100
 126 36.6 20.0 59.9

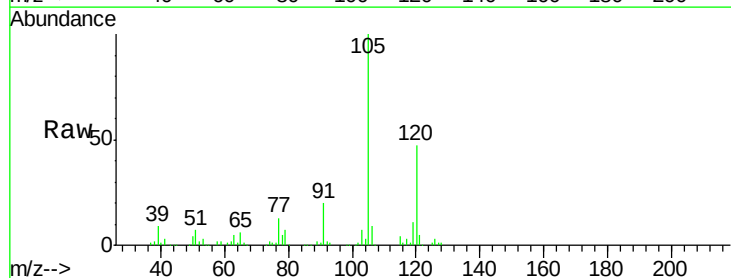


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

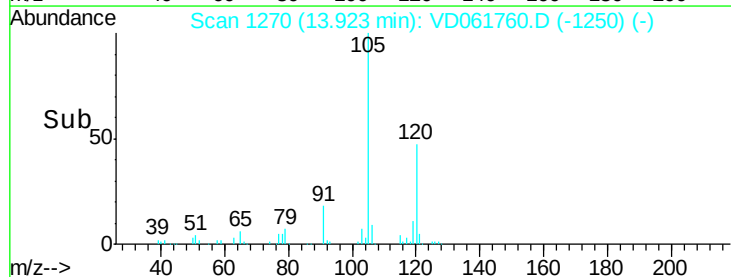
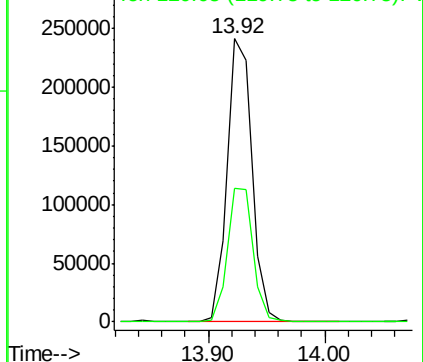


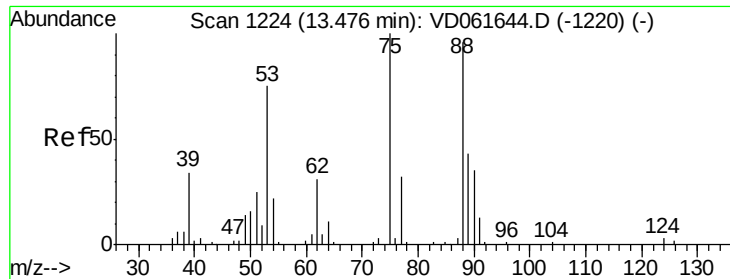
#80
 1,3,5-Trimethylbenzene
 Concen: 19.409 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 105 Resp: 357175
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.4 73.2



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

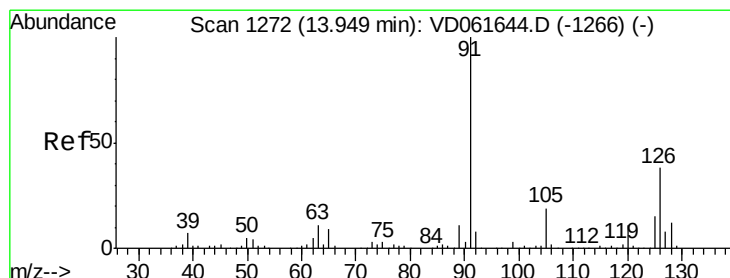
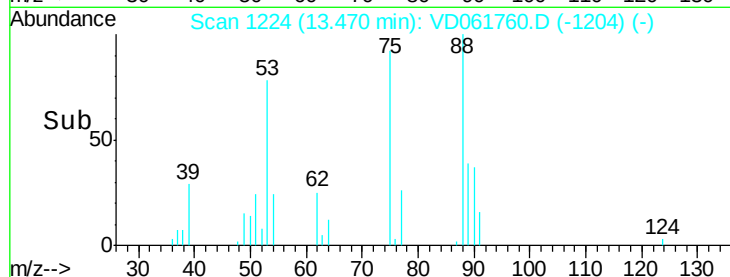
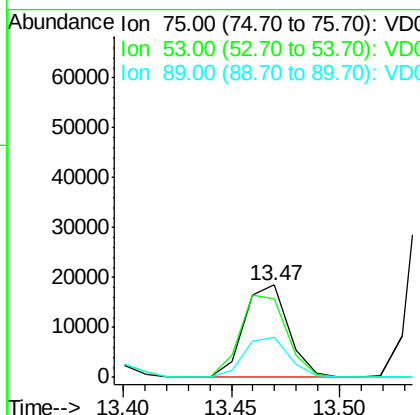
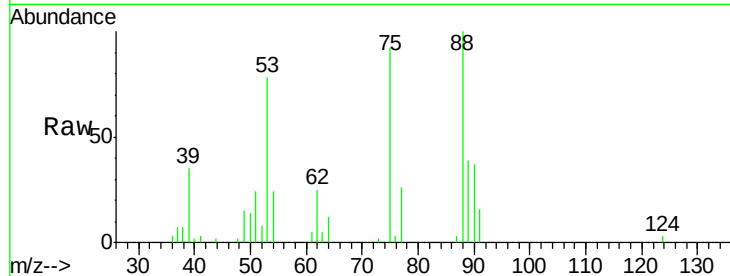




#81
trans-1,4-Dichloro-2-butene
Concen: 18.295 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

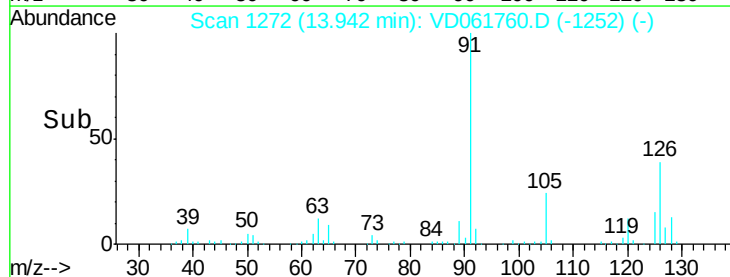
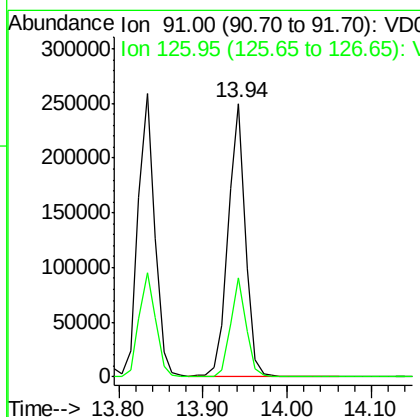
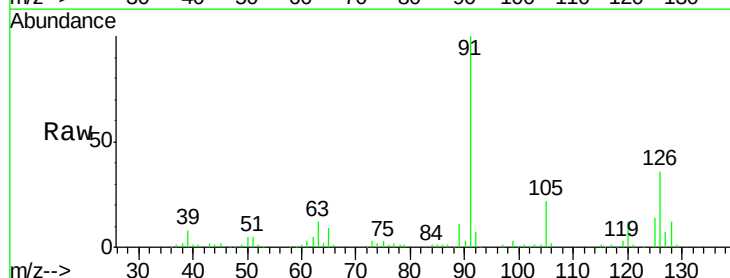
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

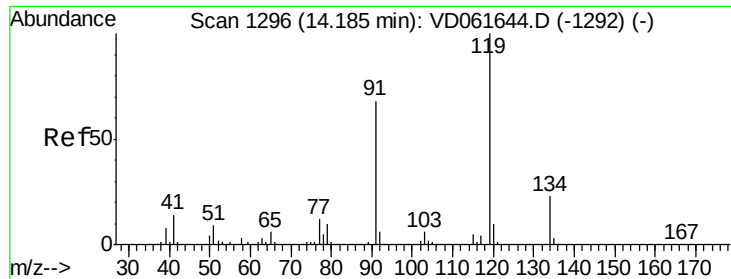
Tot Ion: 75 Resp: 26283
Ion Ratio Lower Upper
75 100
53 84.7 60.2 90.2
89 42.9 34.2 51.2



#82
4-Chlorotoluene
Concen: 20.508 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 91 Resp: 356414
Ion Ratio Lower Upper
91 100
126 36.2 19.0 57.0





#83

tert-Butylbenzene

Concen: 20.400 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

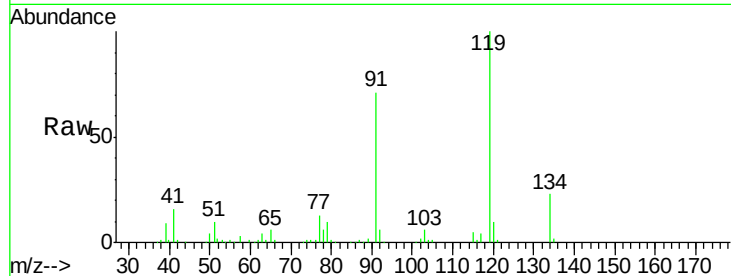
Tot Ion:119 Resp: 452636

Ion Ratio Lower Upper

119 100

91 70.7 33.9 101.6

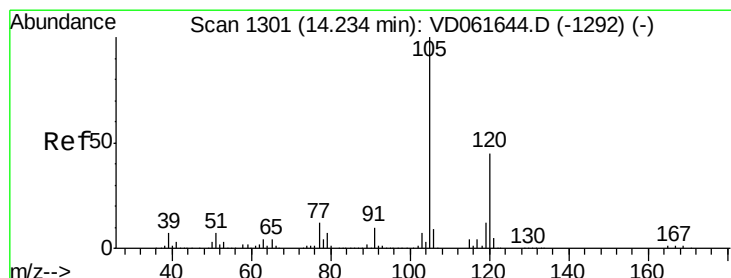
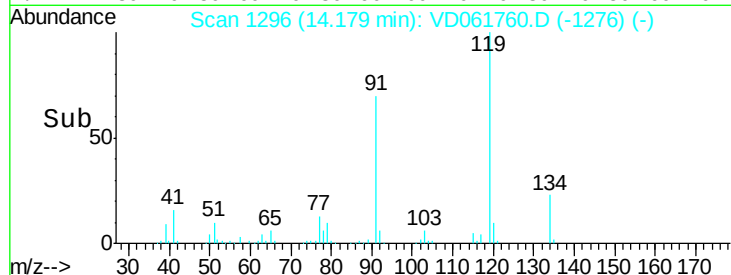
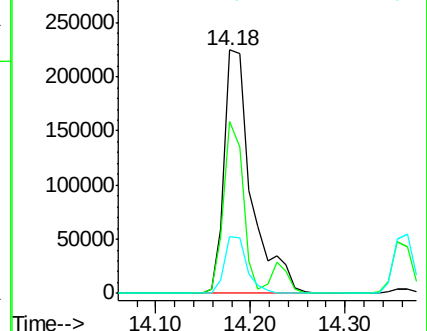
134 23.4 11.6 34.8



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: 20.997 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061760.D

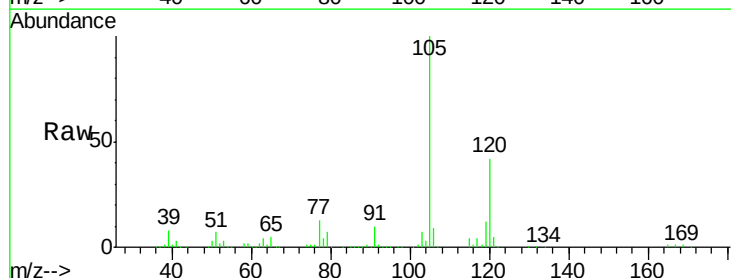
Acq: 12 Apr 2019 2:52

Tgt Ion:105 Resp: 389983

Ion Ratio Lower Upper

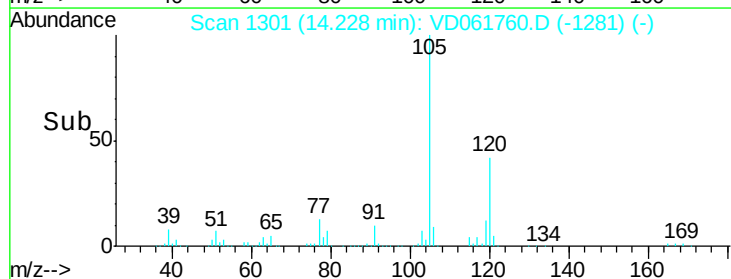
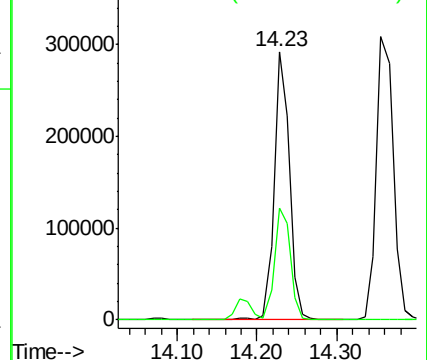
105 100

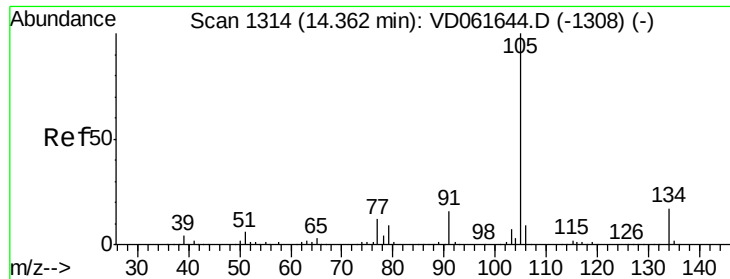
120 41.7 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

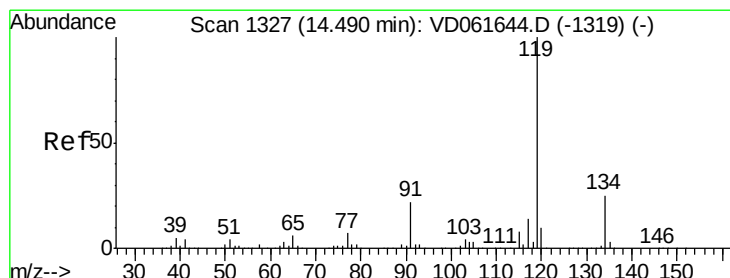
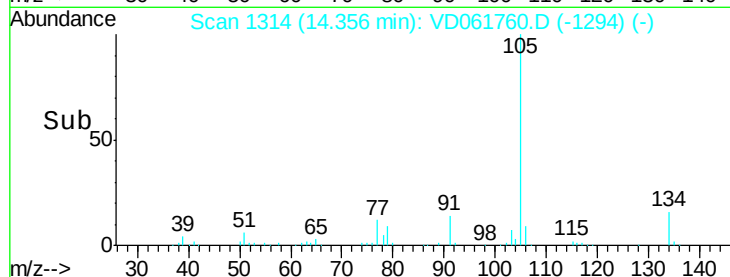
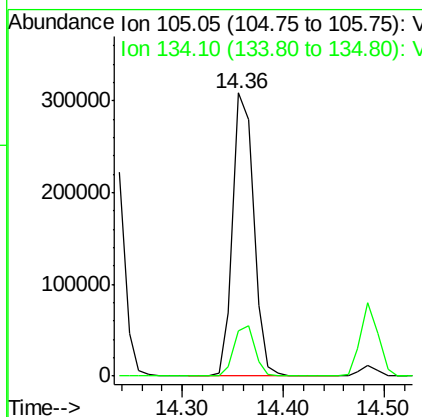
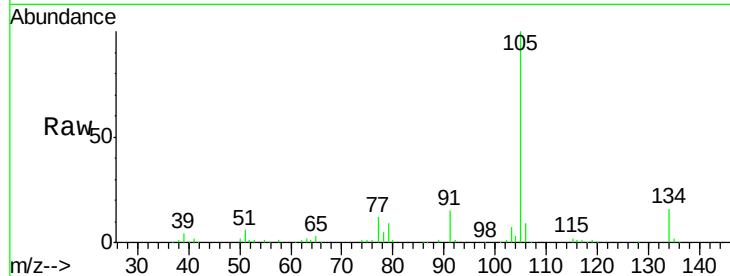




#85
 sec-Butylbenzene
 Concen: 18.452 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

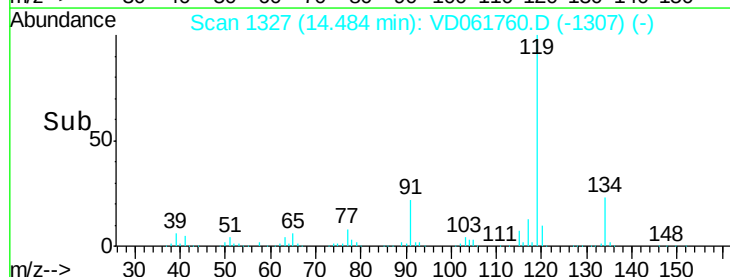
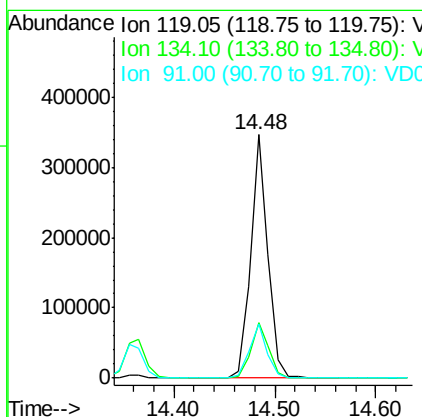
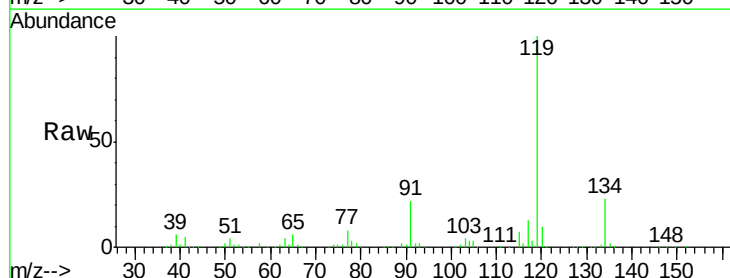
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

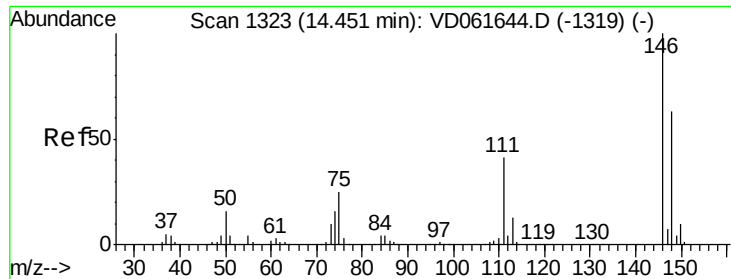
Tot Ion:105 Resp: 442355
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 19.744 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion:119 Resp: 410599
 Ion Ratio Lower Upper
 119 100
 134 23.0 12.5 37.5
 91 22.2 11.0 33.0

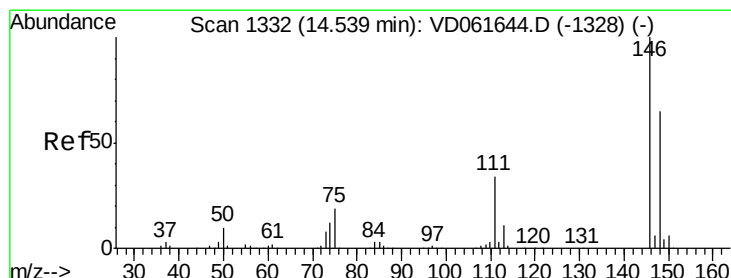
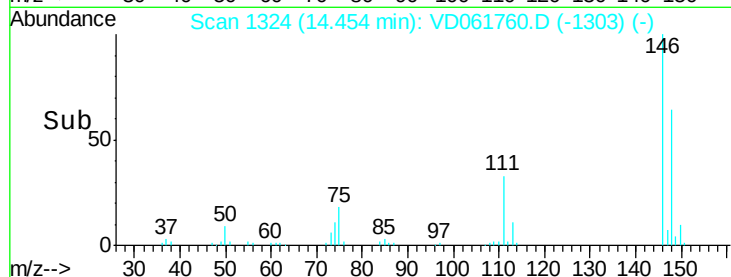
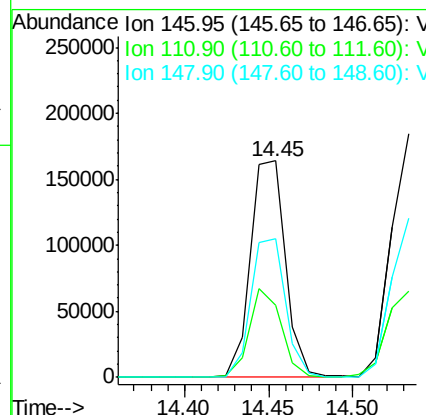
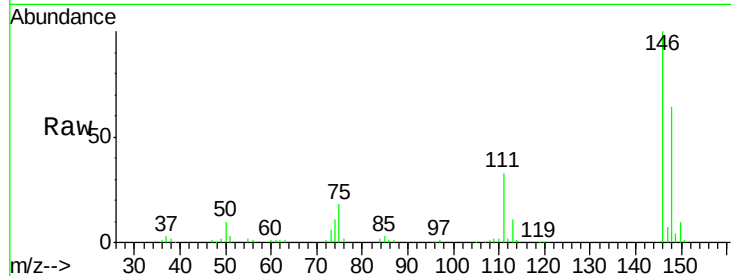




#87
 1,3-Dichlorobenzene
 Concen: 20.497 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

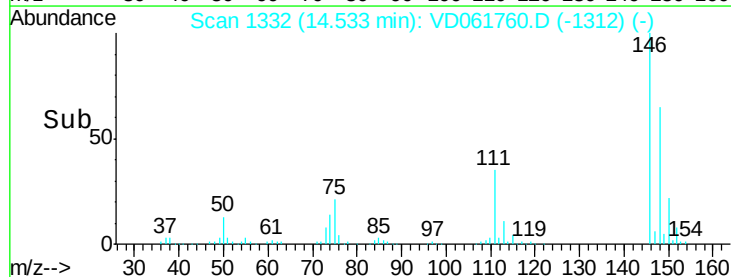
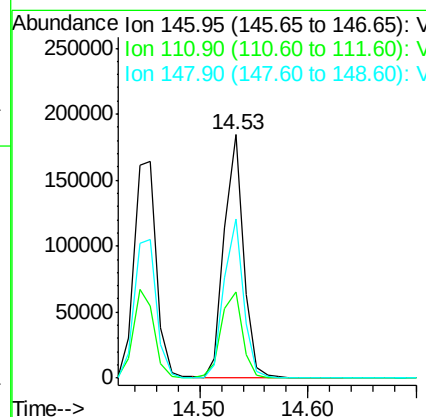
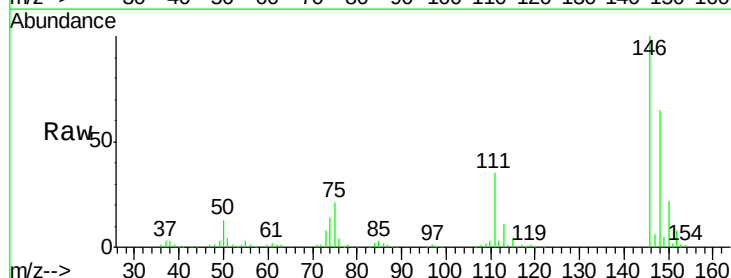
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

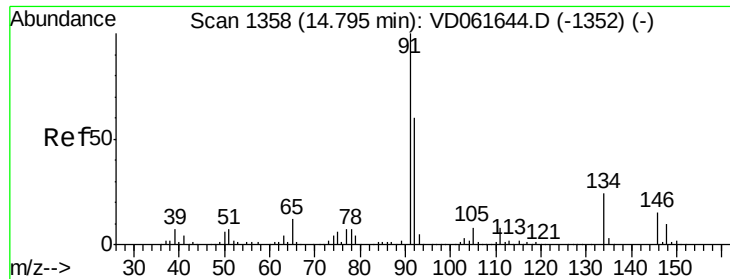
Tot Ion:146 Resp: 237405
 Ion Ratio Lower Upper
 146 100
 111 33.3 20.3 61.0
 148 64.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.769 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion:146 Resp: 231025
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.1 51.2
 148 65.1 32.6 97.7





#89

n-Butylbenzene

Concen: 17.945 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

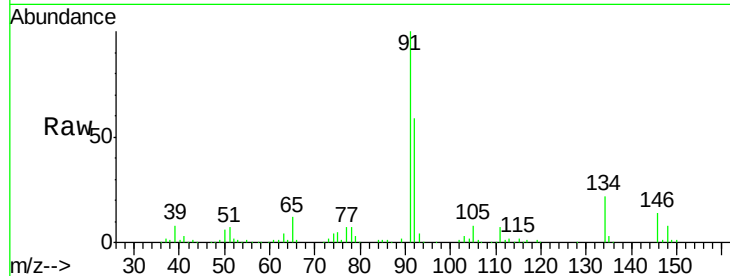
Tot Ion: 91 Resp: 324373

Ion Ratio Lower Upper

91 100

92 58.9 29.8 89.4

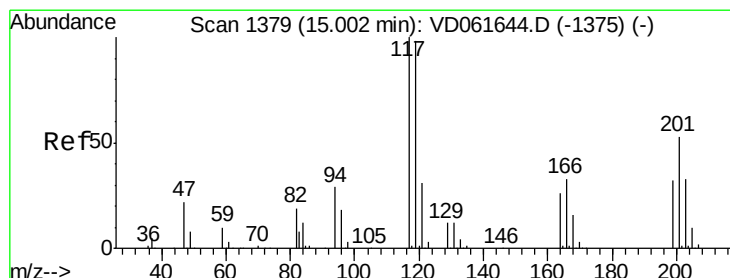
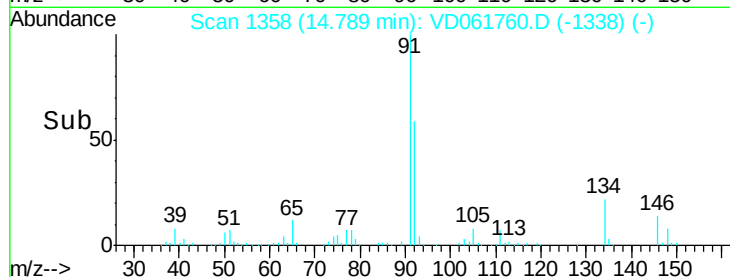
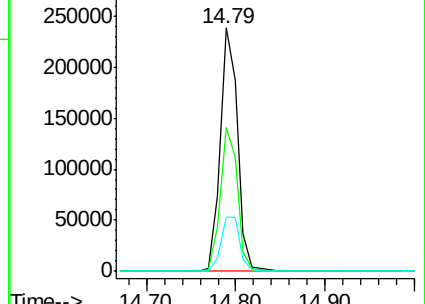
134 22.5 12.2 36.4



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: 21.000 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061760.D

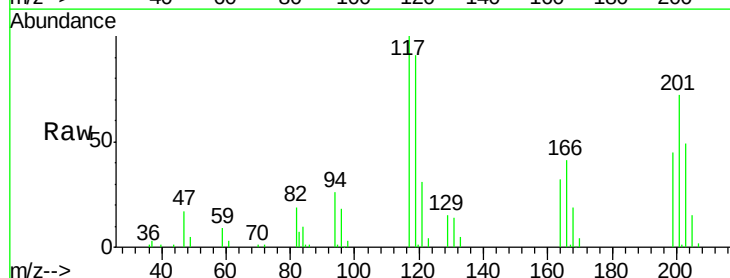
Acq: 12 Apr 2019 2:52

Tgt Ion: 117 Resp: 118500

Ion Ratio Lower Upper

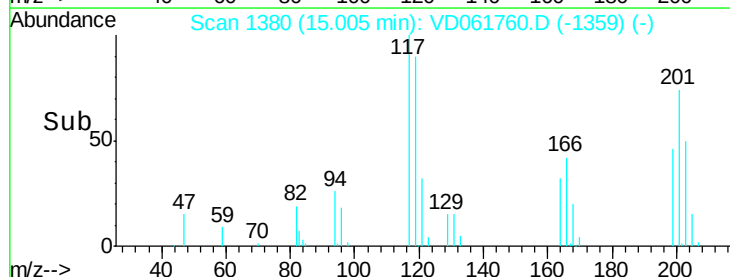
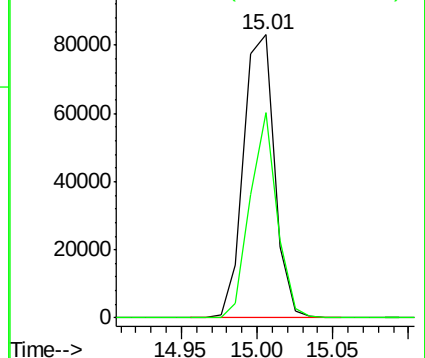
117 100

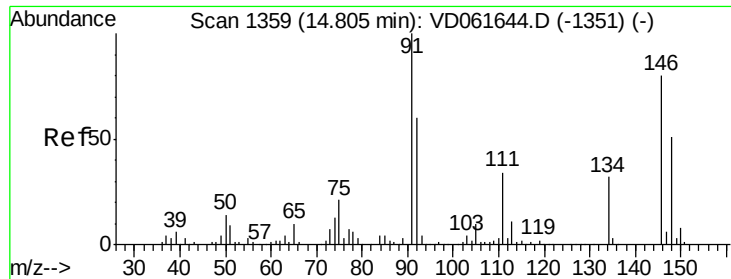
201 72.3 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

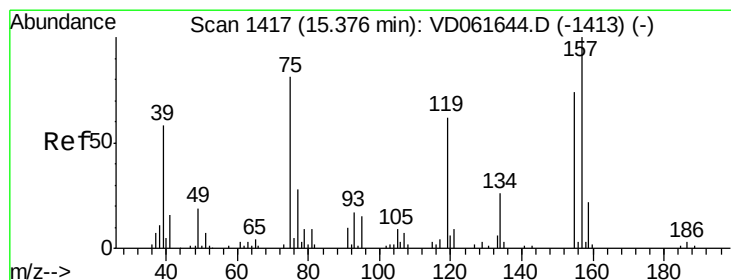
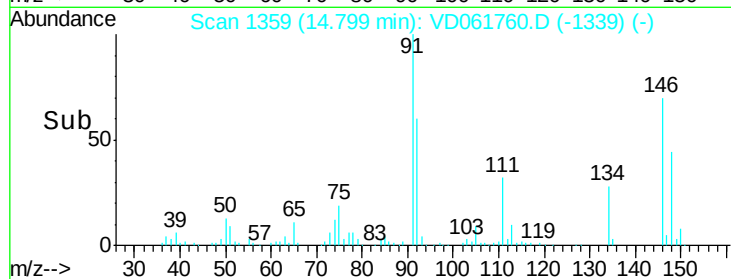
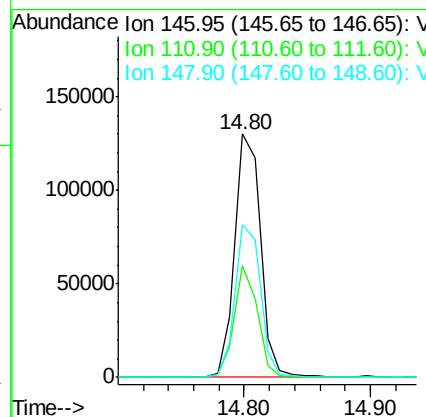
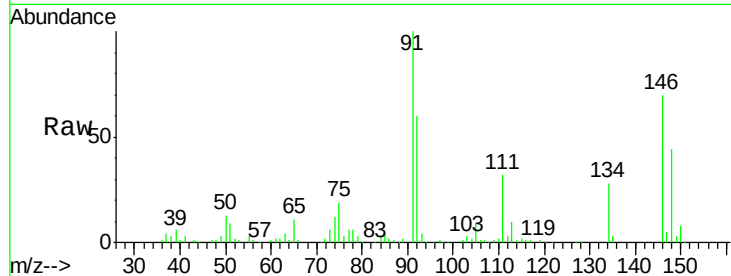




#91
 1,2-Dichlorobenzene
 Concen: 19.177 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

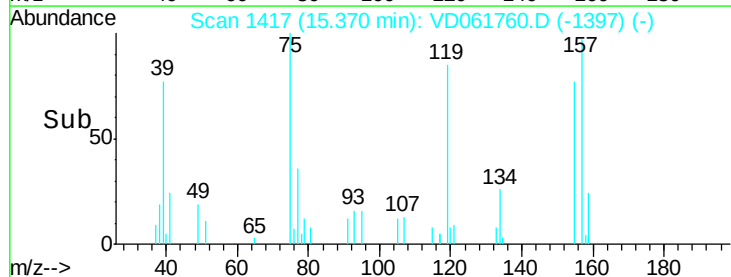
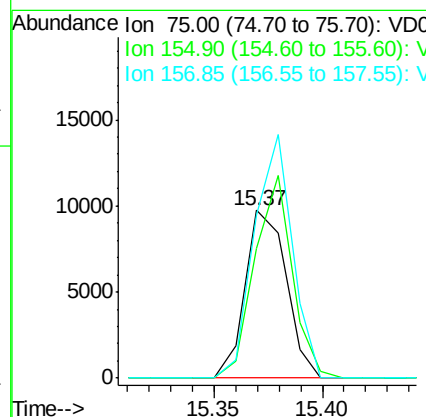
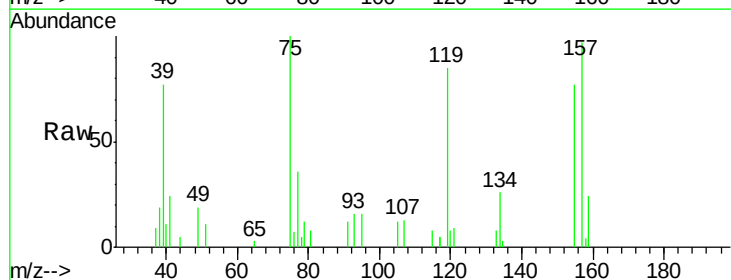
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

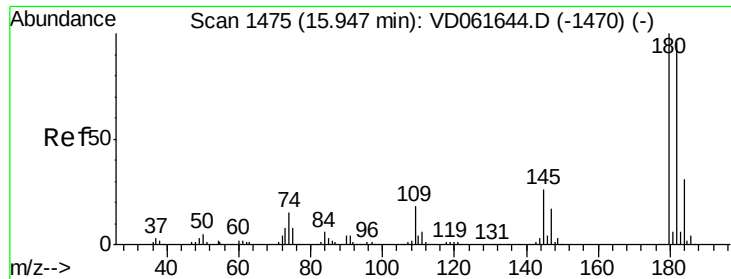
Tot Ion:146 Resp: 183061
 Ion Ratio Lower Upper
 146 100
 111 45.9 21.1 63.3
 148 62.9 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.129 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 75 Resp: 12802
 Ion Ratio Lower Upper
 75 100
 155 77.3 45.6 136.7
 157 97.3 61.4 184.2

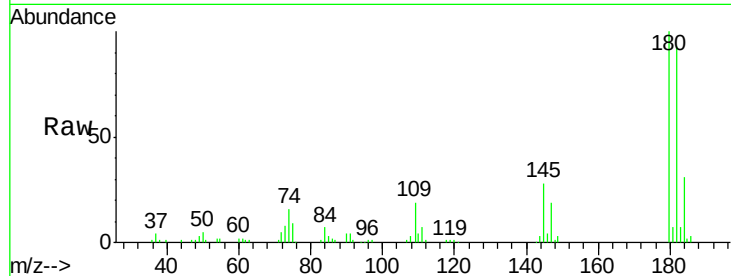




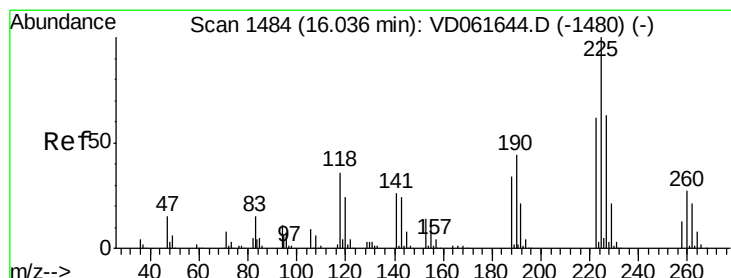
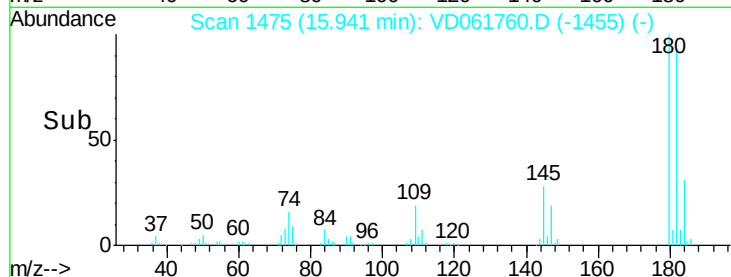
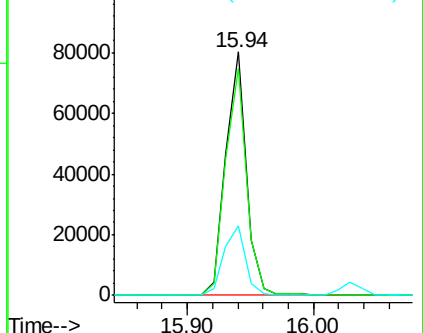
#93
 1,2,4-Trichlorobenzene
 Concen: 18.681 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

Tot Ion:180 Resp: 90851
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.8 143.3
 145 28.3 13.3 39.8

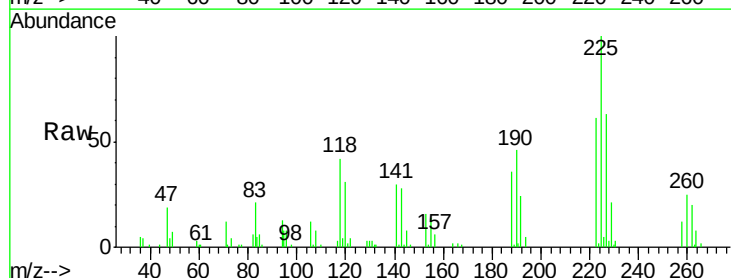


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

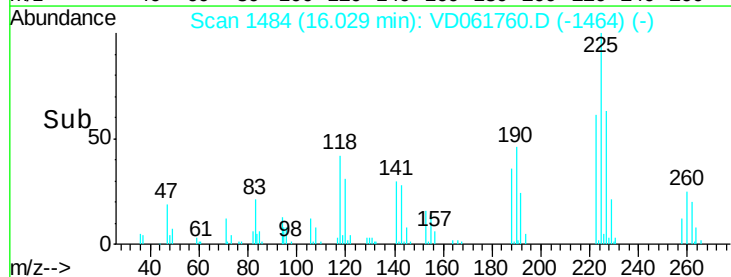
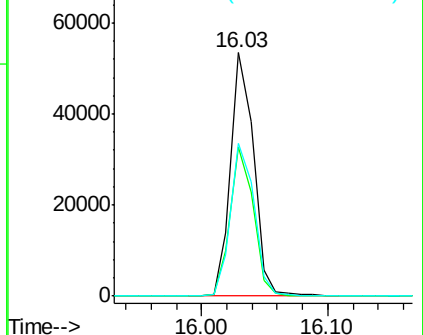


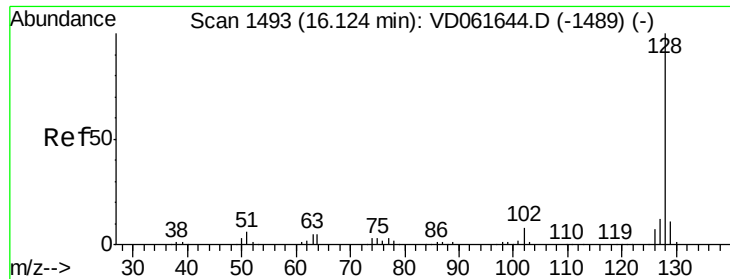
#94
 Hexachlorobutadiene
 Concen: 17.969 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion:225 Resp: 67480
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.8 92.3
 227 62.6 31.5 94.5



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





#95

Naphthalene

Concen: 21.030 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS02

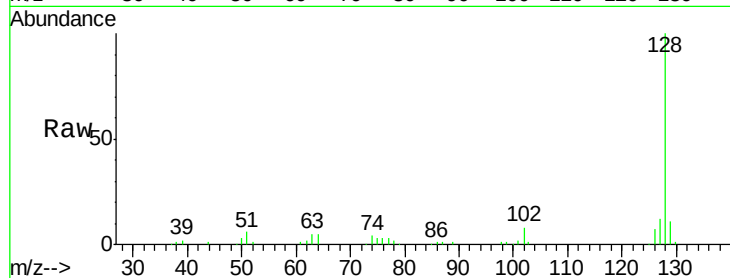
Tot Ion:128 Resp: 161832

Ion Ratio Lower Upper

128 100

127 11.8 9.4 14.2

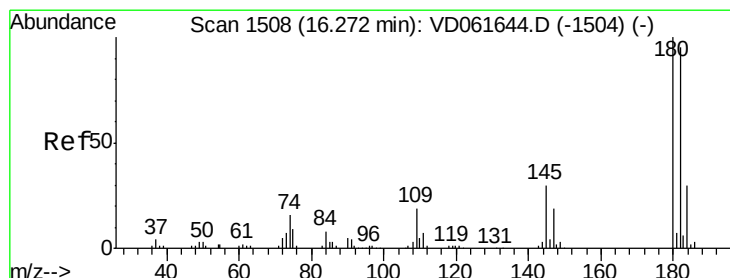
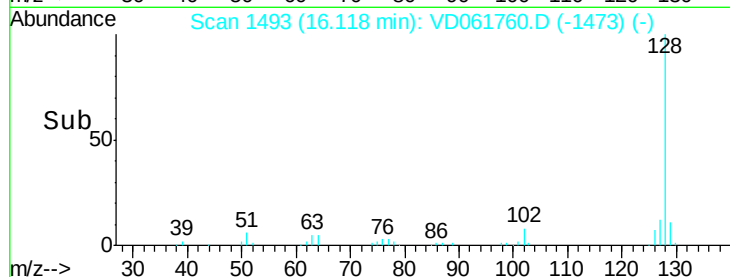
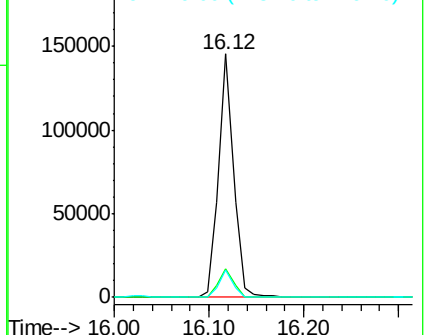
129 11.2 8.8 13.2



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: 21.791 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

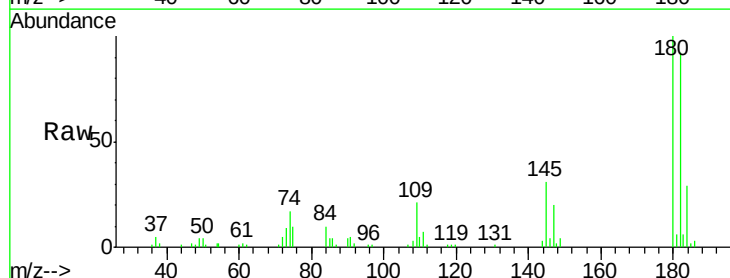
Tgt Ion:180 Resp: 52892

Ion Ratio Lower Upper

180 100

182 92.3 47.3 142.0

145 30.8 15.1 45.3



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

