

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061774.D
 Acq On : 12 Apr 2019 13:17
 Operator : VA/AP
 Sample : VD0412SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

Quant Time: Apr 12 13:41:28 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	7.04	168	655642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1007336	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	873067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	379240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	210990	42.46	ug/l	0.00
Spiked Amount			Recovery	=	84.92%	
35) Dibromofluoromethane	6.91	113	321843	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
50) Toluene-d8	10.40	98	717838	40.94	ug/l	0.00
Spiked Amount			Recovery	=	81.88%	
62) 4-Bromofluorobenzene	13.55	95	278227	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	120692	17.063	ug/l	95
3) Chloromethane	1.76	50	111717	19.545	ug/l	98
4) Vinyl Chloride	1.85	62	114908	21.514	ug/l	98
5) Bromomethane	2.15	94	20377	16.483	ug/l	94
6) Chloroethane	2.26	64	29172	17.438	ug/l #	88
7) Trichlorofluoromethane	2.52	101	162553	20.157	ug/l	96
8) Diethyl Ether	2.87	74	45993	20.322	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	156698	19.764	ug/l	100
10) Methyl Iodide	3.31	142	189450	18.506	ug/l	98
11) Tert butyl alcohol	4.07	59	34408	103.307	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	126657	18.531	ug/l	93
13) Acrolein	3.03	56	27841	68.561	ug/l	84
14) Allyl chloride	3.62	41	182006	19.524	ug/l	96
15) Acrylonitrile	4.19	53	106998	93.324	ug/l	98
16) Acetone	3.21	43	132382	89.109	ug/l	98
17) Carbon Disulfide	3.38	76	384683	17.321	ug/l	98
18) Methyl Acetate	3.64	43	58466	20.917	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	226773	19.162	ug/l	98
20) Methylene Chloride	3.81	84	188567	22.368	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	137089	18.467	ug/l	99
22) Diisopropyl ether	5.11	45	406296	20.787	ug/l	98
23) Vinyl Acetate	5.05	43	1078793	100.030	ug/l	99
24) 1,1-Dichloroethane	4.97	63	235839	19.691	ug/l	98
25) 2-Butanone	6.06	43	164295	95.929	ug/l	100
26) 2,2-Dichloropropane	6.02	77	200329	20.541	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	155710	19.661	ug/l	97
28) Bromochloromethane	6.43	49	85094	19.260	ug/l	98
29) Tetrahydrofuran	6.44	42	84000	101.601	ug/l	99
30) Chloroform	6.66	83	253161	20.177	ug/l	95
31) Cyclohexane	6.94	56	176334	18.846	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	218944	19.912	ug/l	99
36) 1,1-Dichloropropene	7.14	75	189442	21.488	ug/l	99
37) Ethyl Acetate	6.18	43	85185	23.723	ug/l	98
38) Carbon Tetrachloride	7.10	117	222573	21.541	ug/l	98

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 Sample : VD0412SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
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 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	205133	22.664	ug/l	99
40) Benzene	7.45	78	462478	21.745	ug/l	99
41) Methacrylonitrile	6.43	41	94023	22.430	ug/l	95
42) 1,2-Dichloroethane	7.56	62	158050	23.629	ug/l	98
43) Isopropyl Acetate	9.23	43	112829	21.650	ug/l #	97
44) Trichloroethene	8.53	130	178848	21.935	ug/l	94
45) 1,2-Dichloropropane	8.93	63	116443	22.076	ug/l	98
46) Dibromomethane	9.05	93	83315	22.101	ug/l	95
47) Bromodichloromethane	9.36	83	182184	22.005	ug/l	99
48) Methyl methacrylate	9.11	41	62155	20.690	ug/l	95
49) 1,4-Dioxane	9.07	88	13787	415.791	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	350612	113.760	ug/l	100
52) Toluene	10.50	92	293910	22.130	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	161104	22.199	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	207754	23.222	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	97286	21.719	ug/l	98
56) Ethyl methacrylate	11.04	69	100668	21.304	ug/l	95
57) 1,3-Dichloropropane	11.40	76	132985	20.273	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	262066	117.538	ug/l	97
59) 2-Hexanone	11.52	43	243456	101.784	ug/l	98
60) Dibromochloromethane	11.68	129	160833	22.727	ug/l	100
61) 1,2-Dibromoethane	11.80	107	117070	22.348	ug/l	97
64) Tetrachloroethene	11.25	164	130465	19.251	ug/l	98
65) Chlorobenzene	12.39	112	366686	21.179	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	145159	21.788	ug/l	99
67) Ethyl Benzene	12.52	91	591234	22.425	ug/l	99
68) m/p-Xylenes	12.66	106	438420	43.132	ug/l	96
69) o-Xylene	13.05	106	197665	20.146	ug/l	91
70) Styrene	13.07	104	340005	20.291	ug/l	97
71) Bromoform	13.22	173	82114	19.864	ug/l	95
73) Isopropylbenzene	13.40	105	573500	22.696	ug/l	99
74) N-amyl acetate	13.26	43	147337	21.460	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	111938	21.424	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	108661	21.060	ug/l	99
77) Bromobenzene	13.67	156	163015	22.225	ug/l	81
78) n-propylbenzene	13.77	91	666319	22.044	ug/l	99
79) 2-Chlorotoluene	13.83	91	369529	21.378	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	446650	22.270	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	33147	21.171	ug/l	93
82) 4-Chlorotoluene	13.94	91	398627	21.046	ug/l	96
83) tert-Butylbenzene	14.19	119	514603	21.280	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	488383	24.127	ug/l	97
85) sec-Butylbenzene	14.37	105	529582	20.270	ug/l	96
86) p-Isopropyltoluene	14.48	119	509123	22.463	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	294775	23.352	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	255455	20.057	ug/l	98
89) n-Butylbenzene	14.79	91	461646	23.433	ug/l	97
90) Hexachloroethane	15.01	117	139558	22.693	ug/l	70
91) 1,2-Dichlorobenzene	14.80	146	224525	21.581	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14730	23.362	ug/l	75

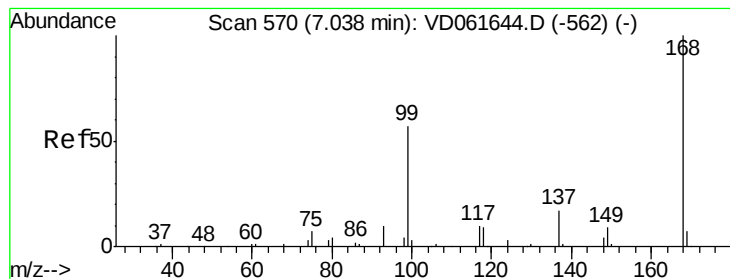
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
Data File : VD061774.D
Acq On : 12 Apr 2019 13:17
Operator : VA/AP
Sample : VD0412SBSD01
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	115894	21.865	ug/l	97
94) Hexachlorobutadiene	16.03	225	93278	22.791	ug/l	100
95) Naphthalene	16.12	128	174482	20.805	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	67499	25.516	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

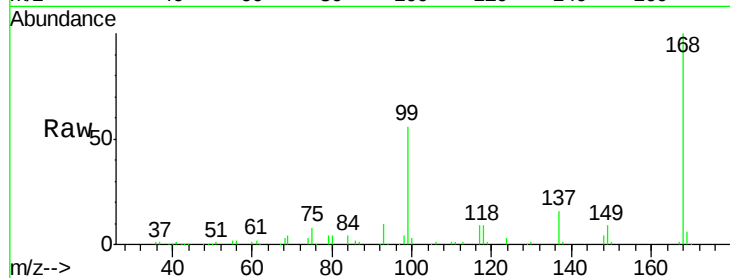
VD0412SBS01

Tot Ion:168 Resp: 655642

Ion Ratio Lower Upper

168 100

99 55.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

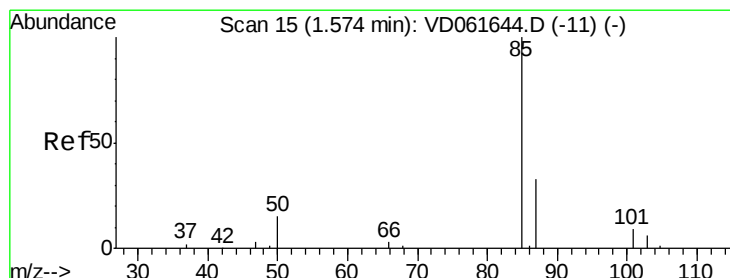
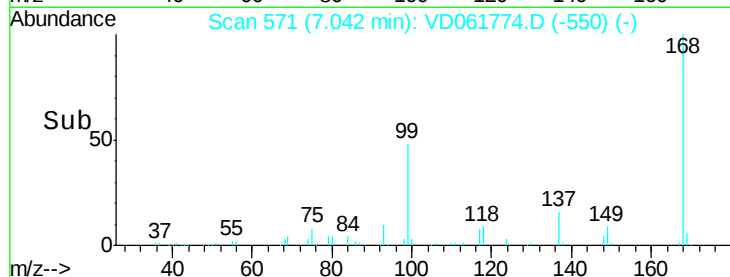
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.063 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061774.D

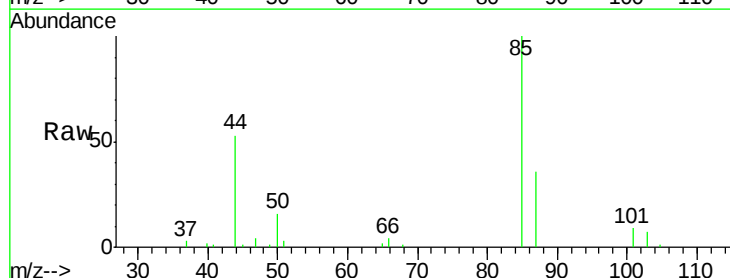
Acq: 12 Apr 2019 13:17

Tgt Ion: 85 Resp: 120692

Ion Ratio Lower Upper

85 100

87 35.9 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

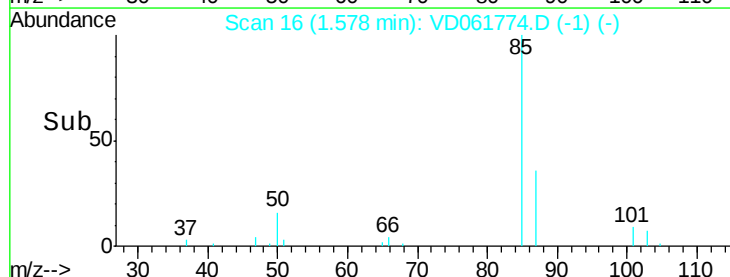
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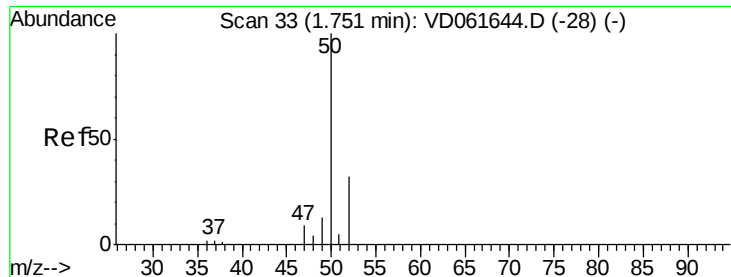
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.545 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

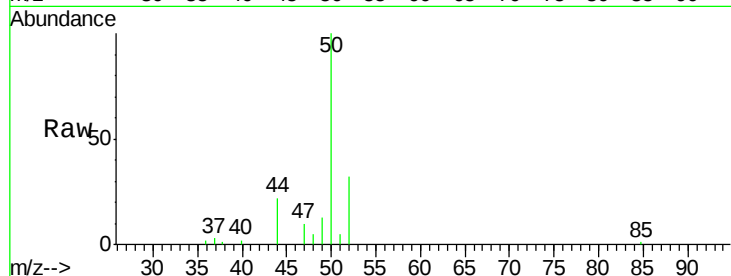
VD0412SBS01

Tot Ion: 50 Resp: 111717

Ion Ratio Lower Upper

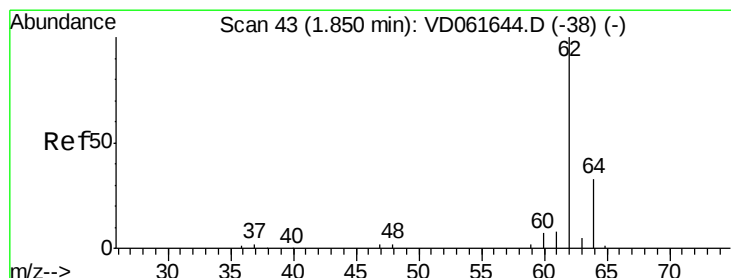
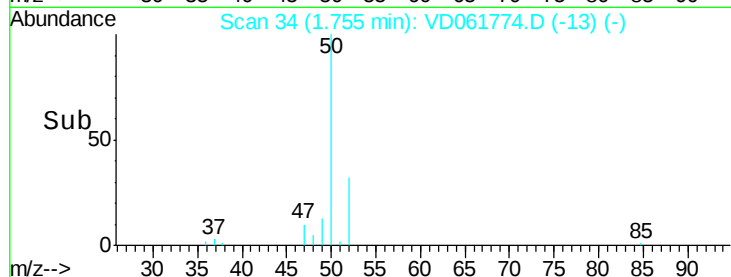
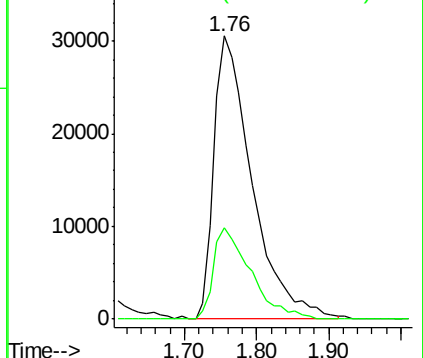
50 100

52 32.4 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.514 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061774.D

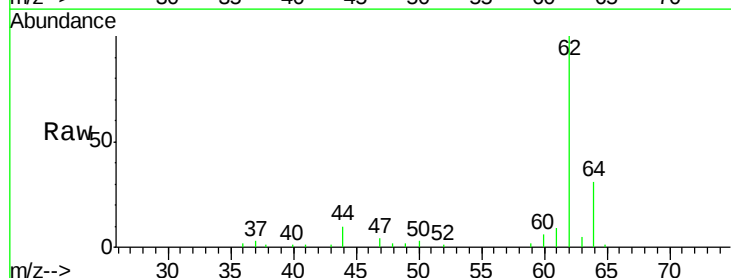
Acq: 12 Apr 2019 13:17

Tgt Ion: 62 Resp: 114908

Ion Ratio Lower Upper

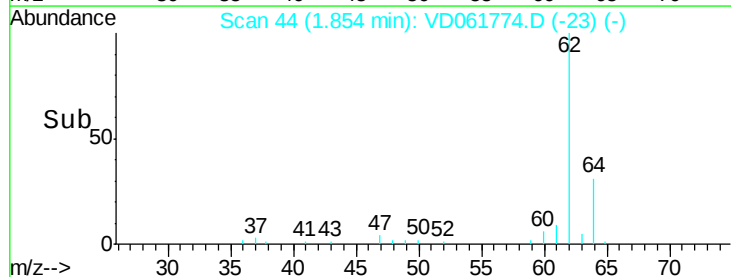
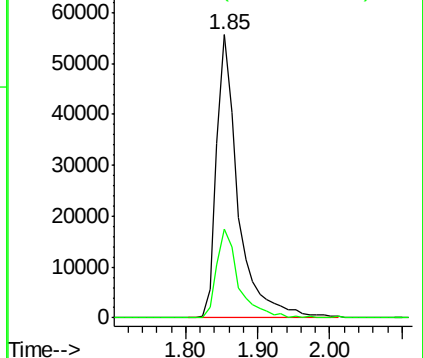
62 100

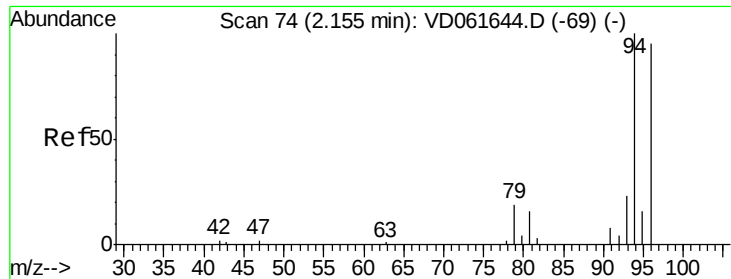
64 31.3 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

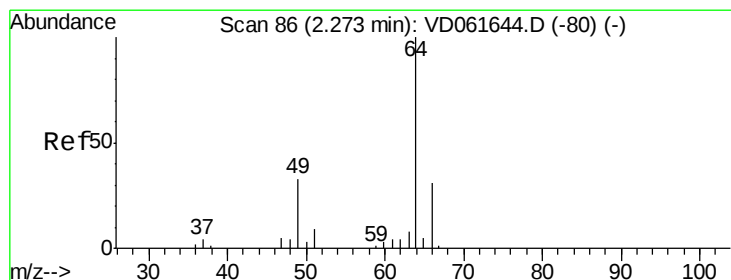
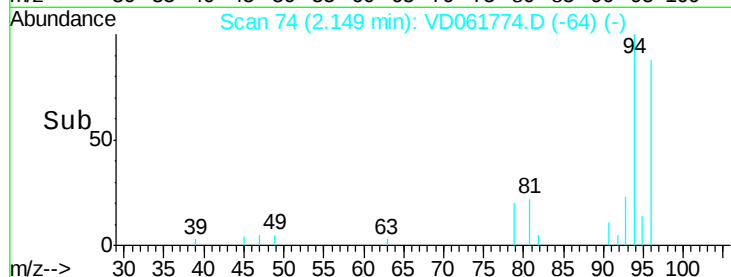
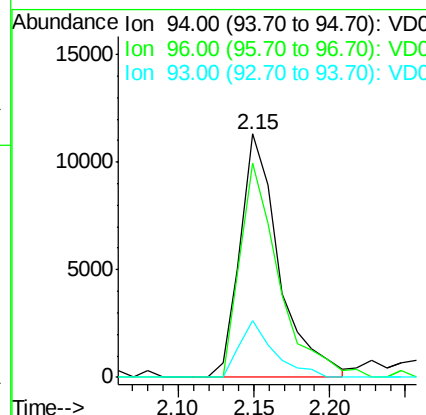
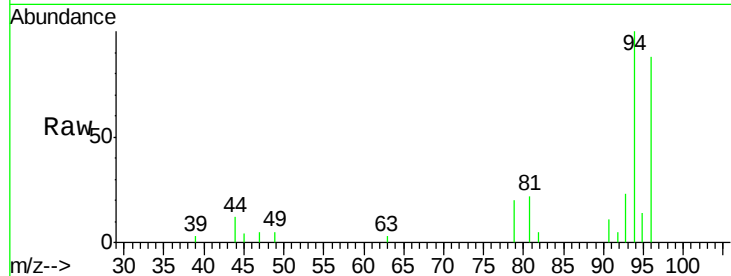




#5
Bromomethane
Concen: 16.483 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

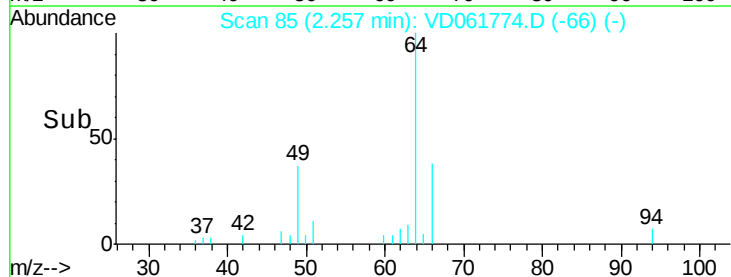
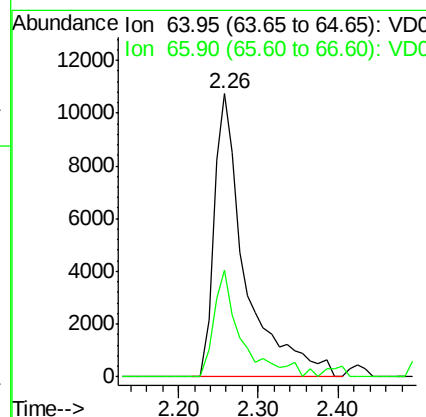
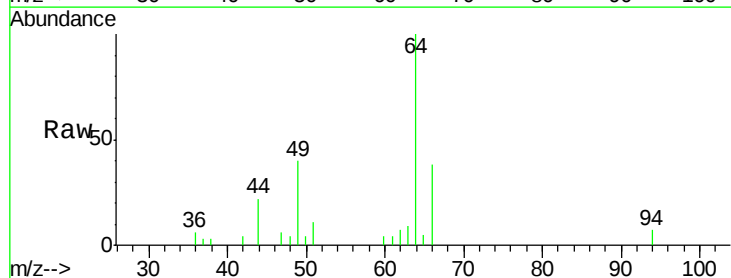
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

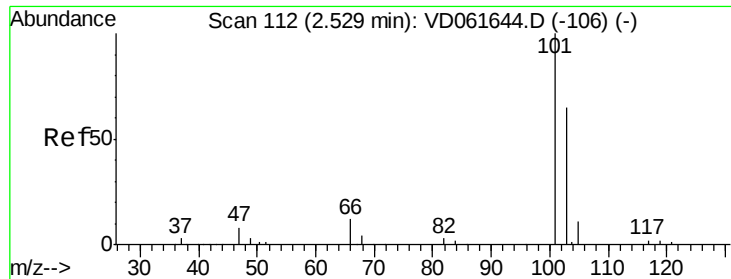
Tot Ion: 94 Resp: 20377
Ion Ratio Lower Upper
94 100
96 87.8 75.8 113.8
93 23.1 18.6 28.0



#6
Chloroethane
Concen: 17.438 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.02 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 64 Resp: 29172
Ion Ratio Lower Upper
64 100
66 37.8 24.9 37.3#



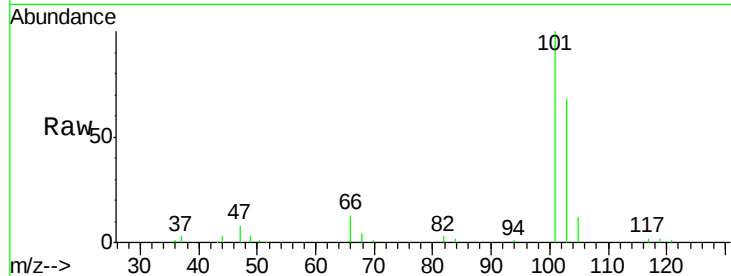


#7

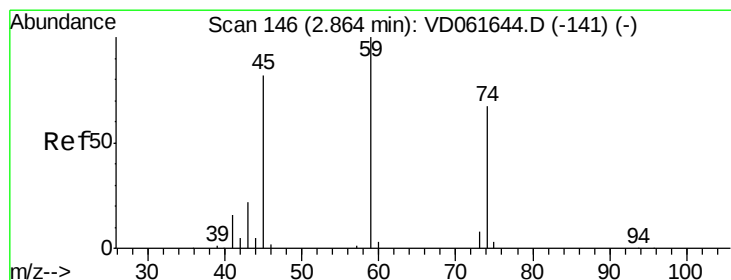
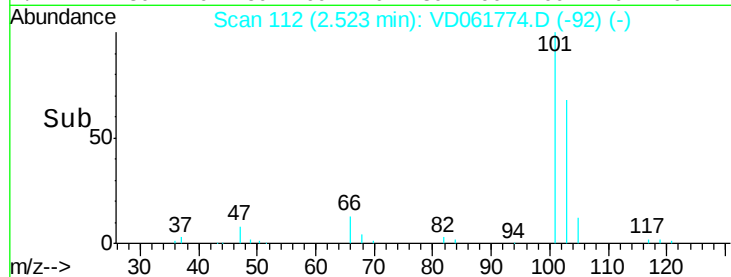
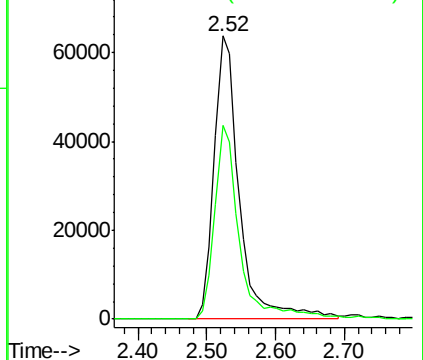
Trichlorofluoromethane
Concen: 20.157 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion:101 Resp: 162553
Ion Ratio Lower Upper
101 100
103 68.3 52.0 78.0



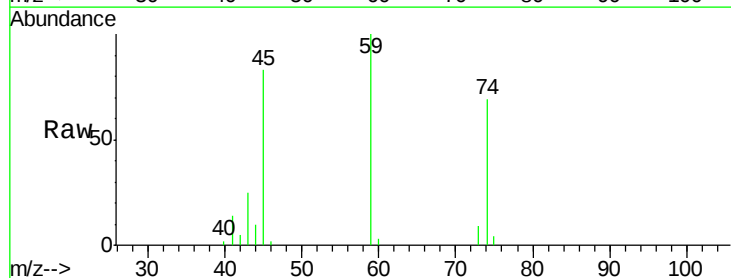
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



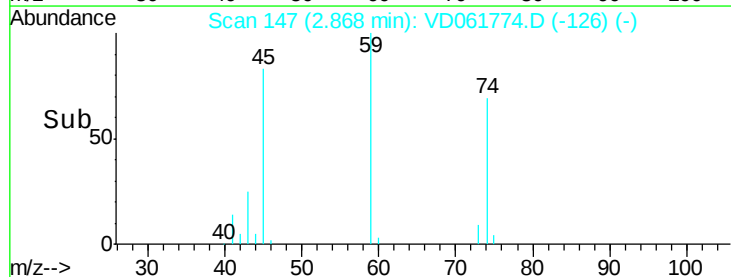
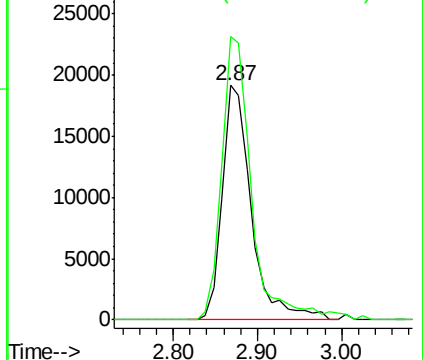
#8

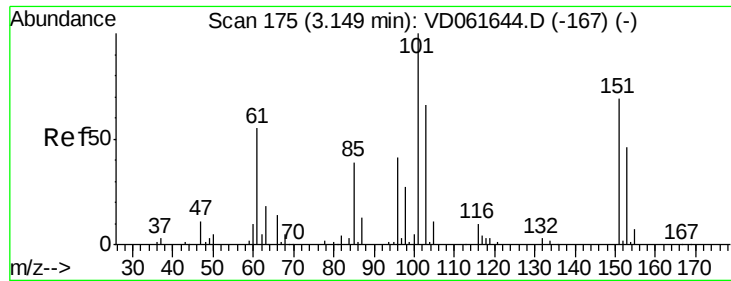
Diethyl Ether
Concen: 20.322 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 74 Resp: 45993
Ion Ratio Lower Upper
74 100
45 120.6 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.764 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

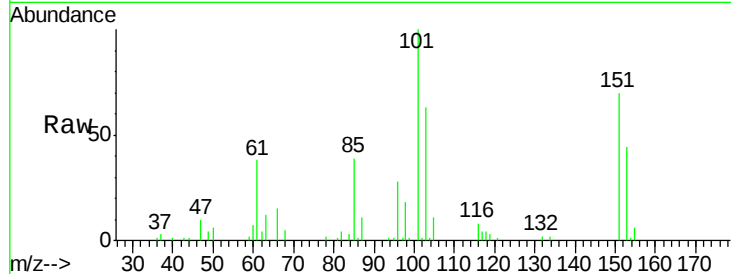
Tot Ion:101 Resp: 156698

Ion Ratio Lower Upper

101 100

85 38.9 31.0 46.6

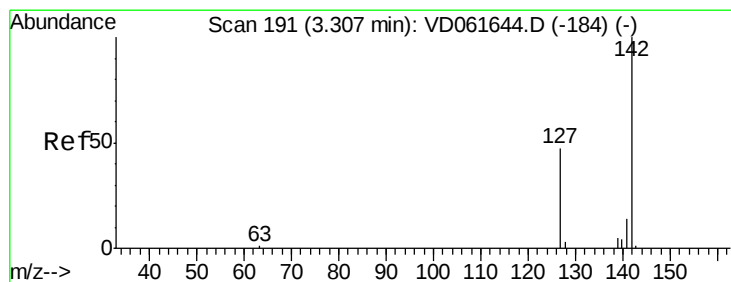
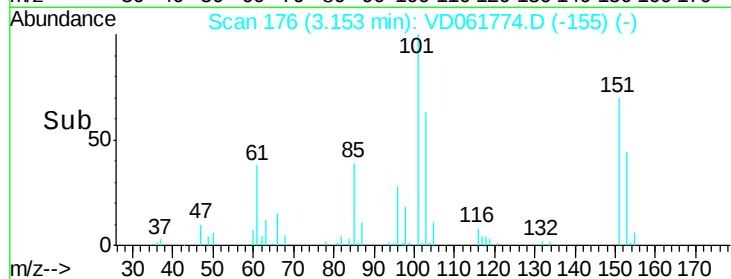
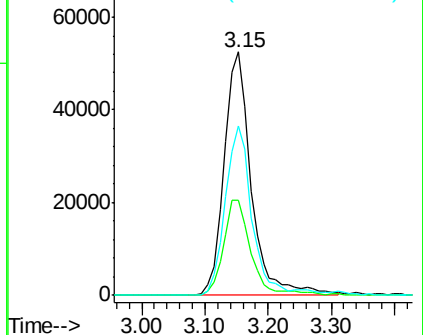
151 69.5 55.3 82.9



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: 18.506 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

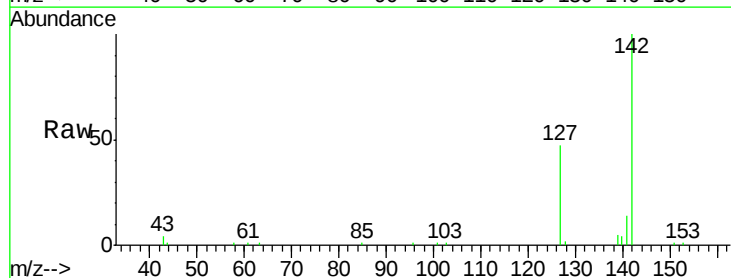
Tgt Ion:142 Resp: 189450

Ion Ratio Lower Upper

142 100

127 47.4 37.2 55.8

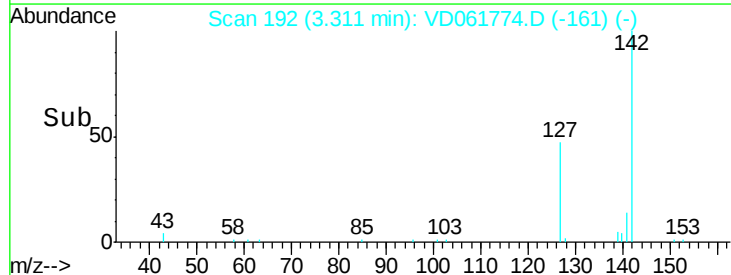
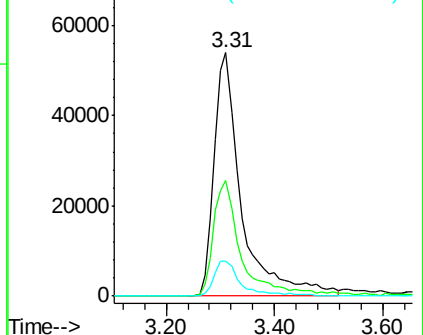
141 14.3 10.8 16.2

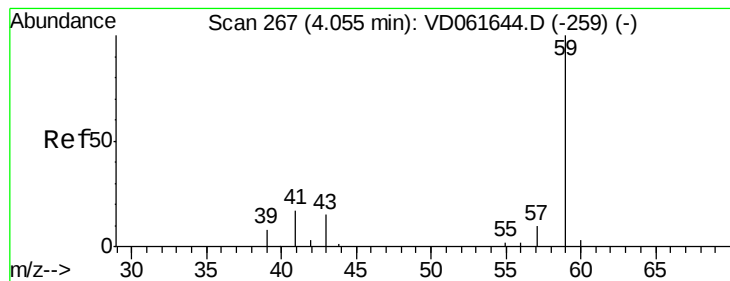


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



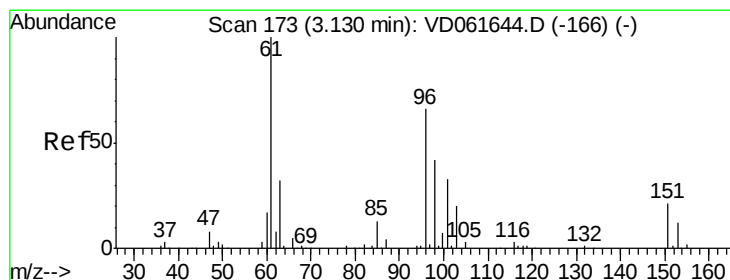
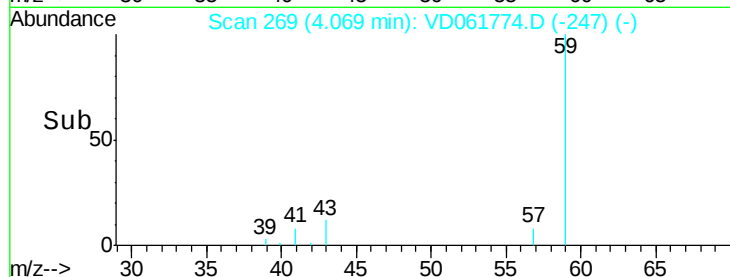
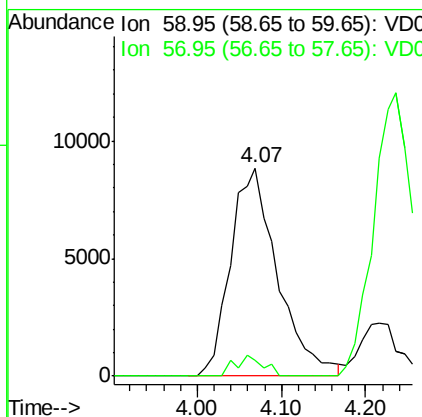
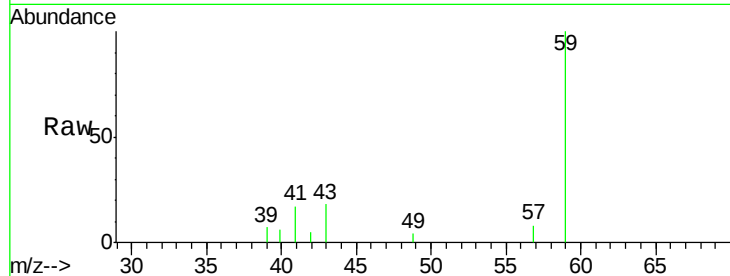


#11

Tert butyl alcohol
 Concen: 103.307 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBSD01

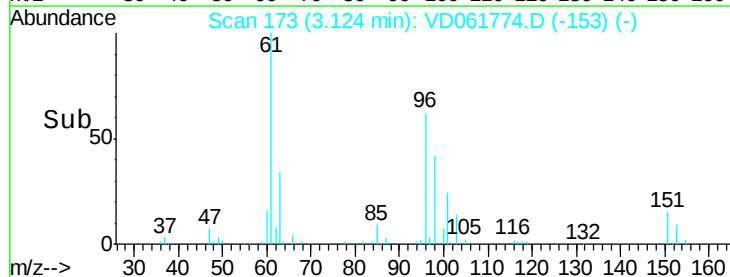
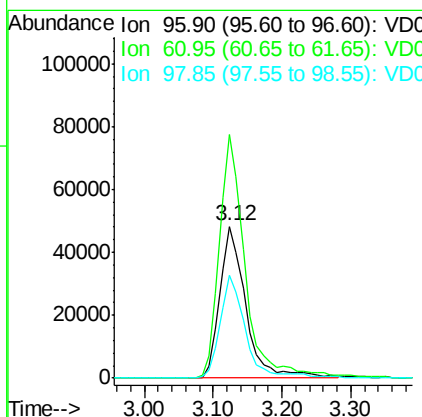
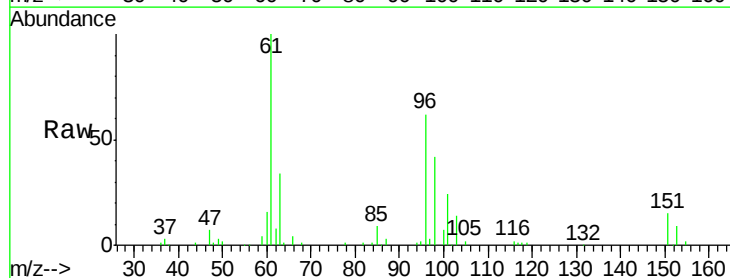
Tot Ion: 59 Resp: 34408
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.4 12.6#

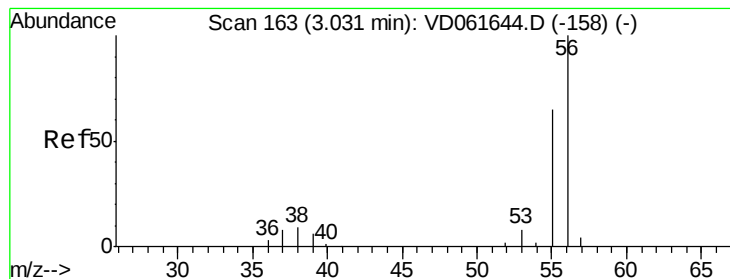


#12

1,1-Dichloroethene
 Concen: 18.531 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion: 96 Resp: 126657
 Ion Ratio Lower Upper
 96 100
 61 160.4 121.3 181.9
 98 67.9 50.6 76.0





#13

Acrolein

Concen: 68.561 ug/l

RT: 3.03 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

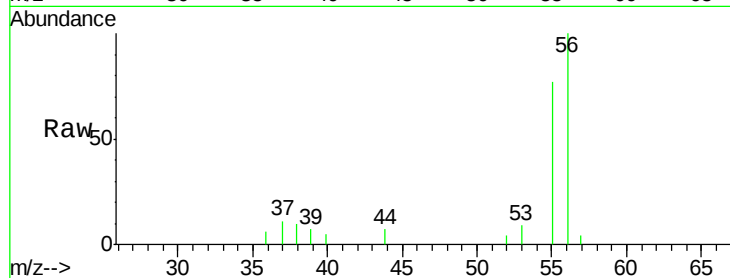
VD0412SBS01

Tot Ion: 56 Resp: 27841

Ion Ratio Lower Upper

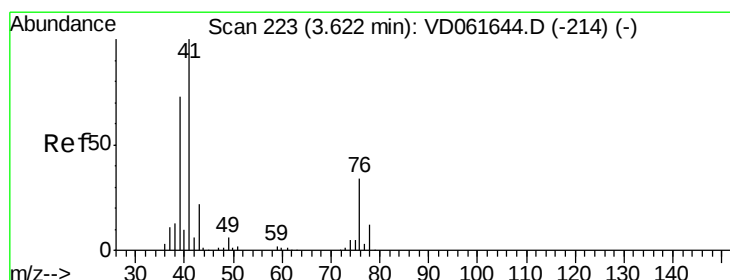
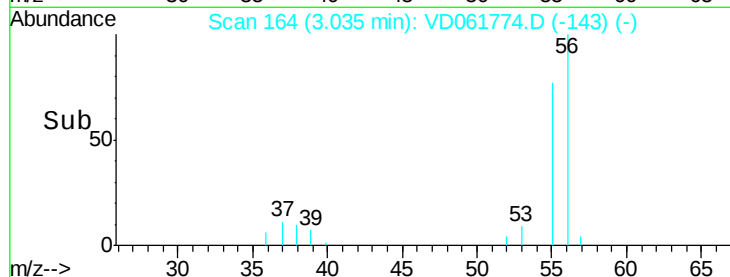
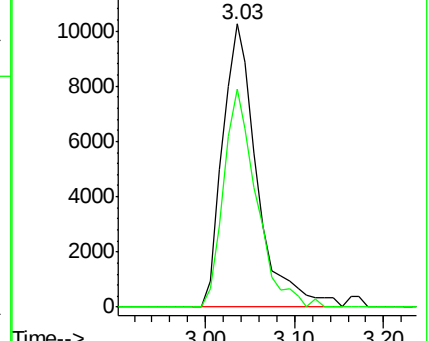
56 100

55 77.2 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.524 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

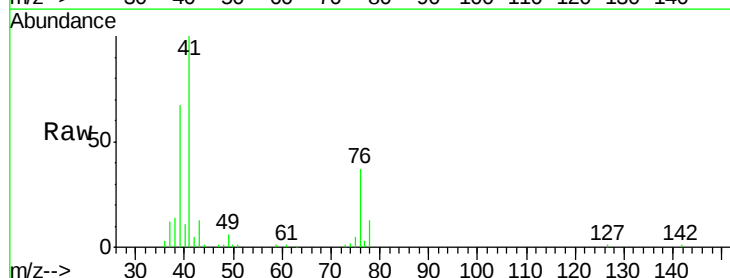
Tgt Ion: 41 Resp: 182006

Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

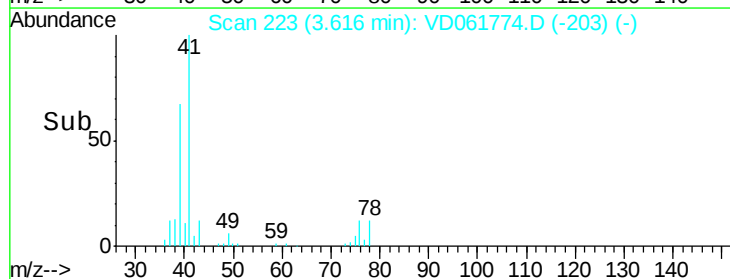
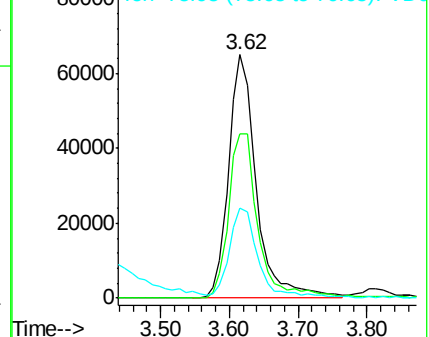
76 37.2 29.8 44.6

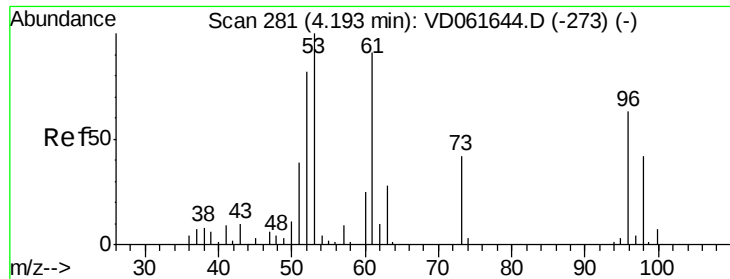


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 93.324 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

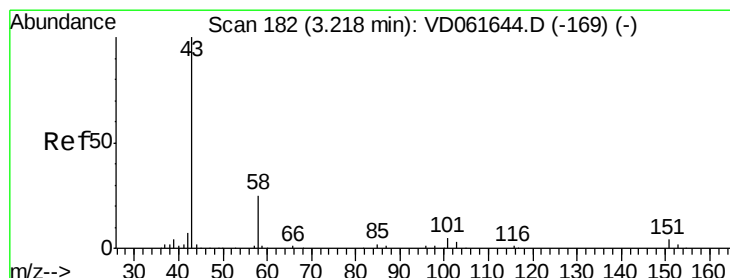
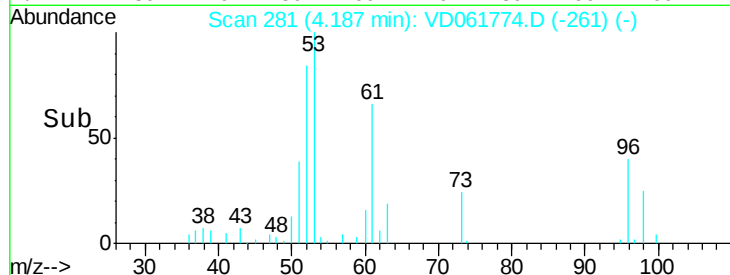
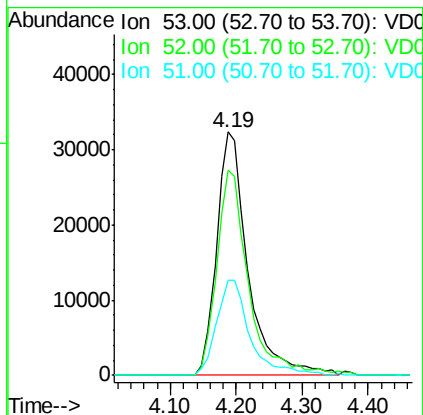
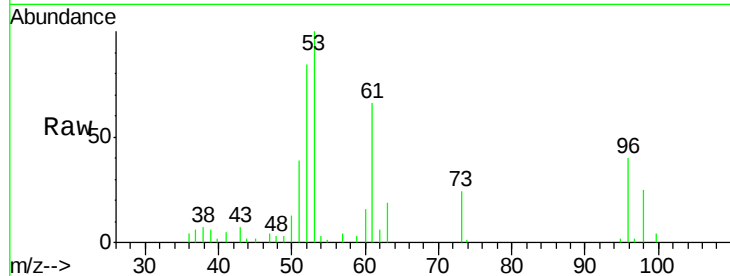
Tot Ion: 53 Resp: 106998

Ion Ratio Lower Upper

53 100

52 84.4 65.9 98.9

51 39.0 31.4 47.2



#16

Acetone

Concen: 89.109 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061774.D

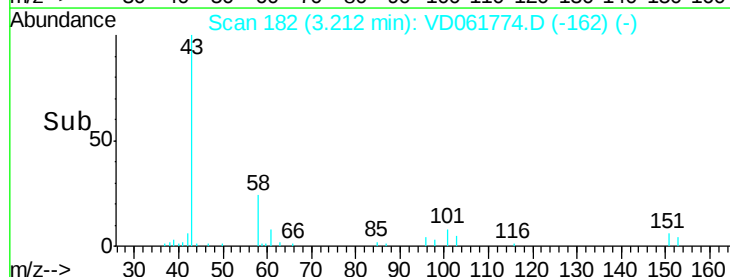
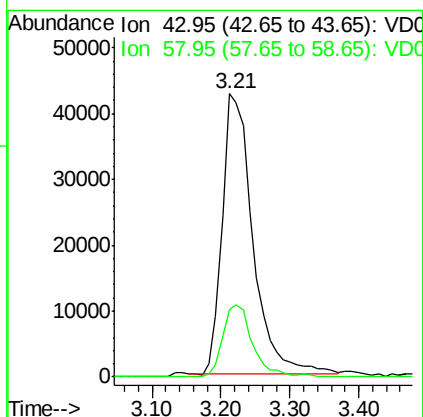
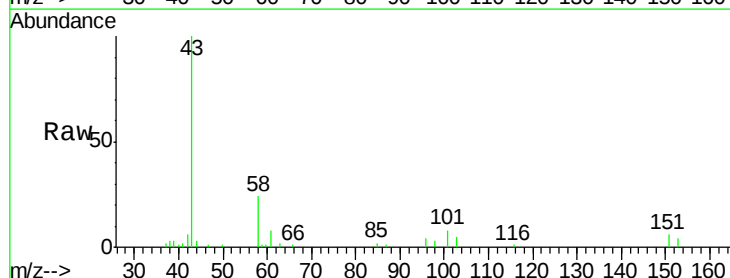
Acq: 12 Apr 2019 13:17

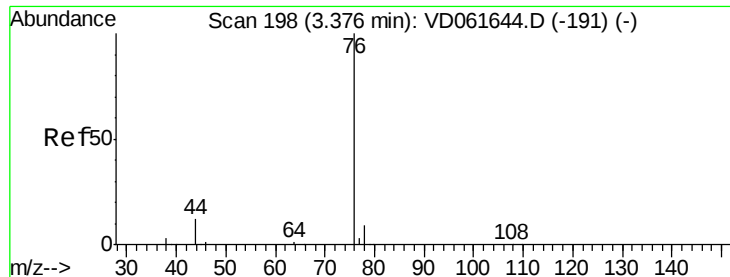
Tgt Ion: 43 Resp: 132382

Ion Ratio Lower Upper

43 100

58 23.7 19.7 29.5





#17

Carbon Disulfide

Concen: 17.321 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

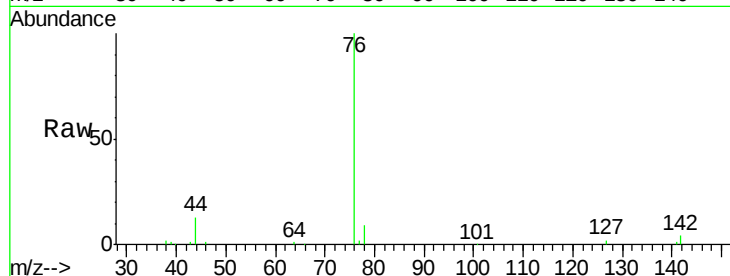
VD0412SBS01

Tot Ion: 76 Resp: 384683

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

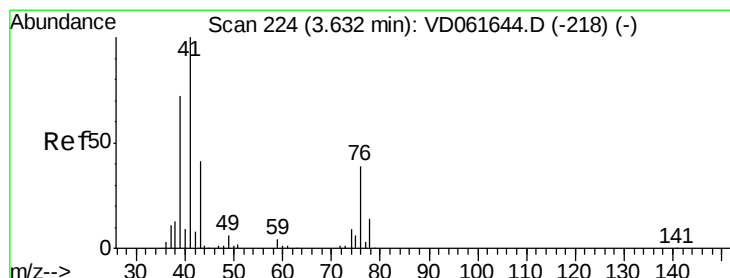
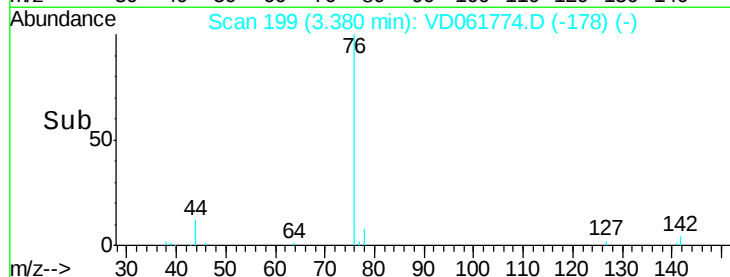
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 20.917 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061774.D

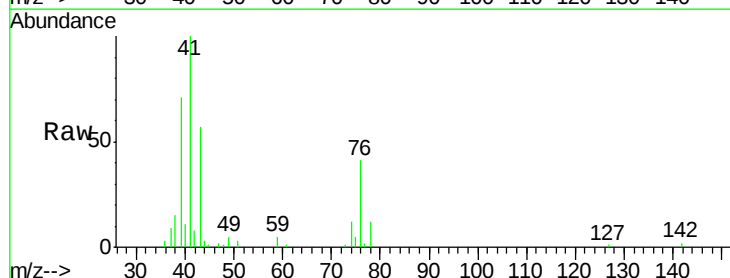
Acq: 12 Apr 2019 13:17

Tgt Ion: 43 Resp: 58466

Ion Ratio Lower Upper

43 100

74 20.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

25000

20000

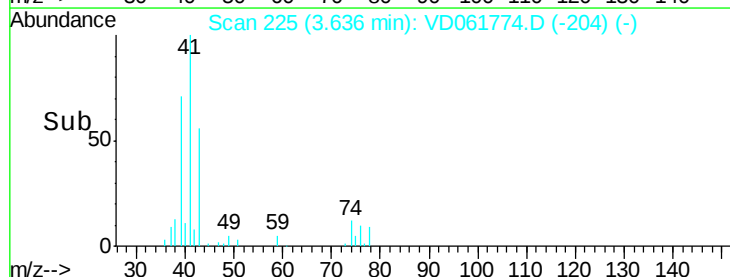
15000

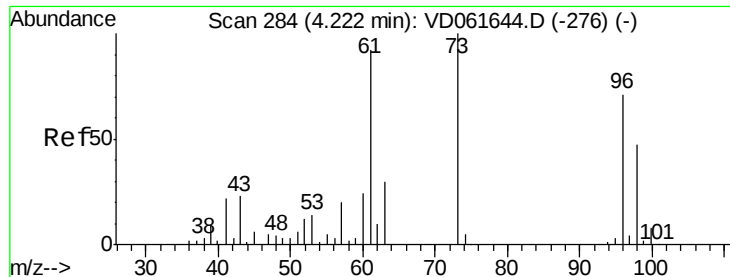
10000

5000

0

Time--> 3.50 3.60 3.70 3.80

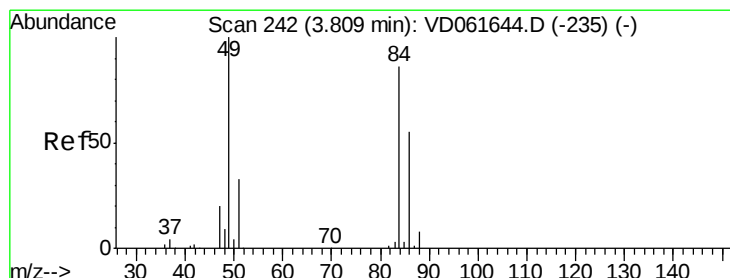
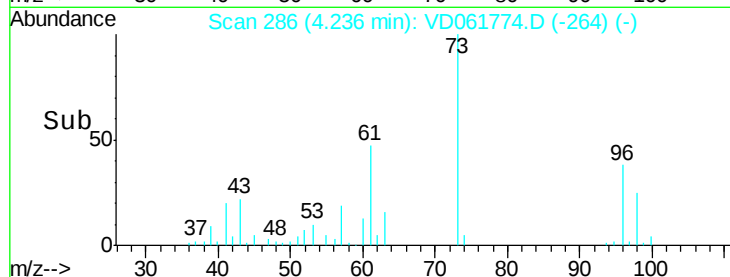
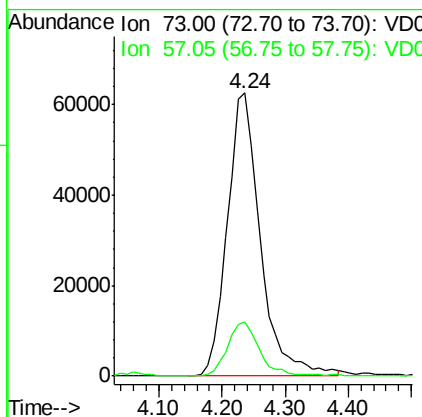
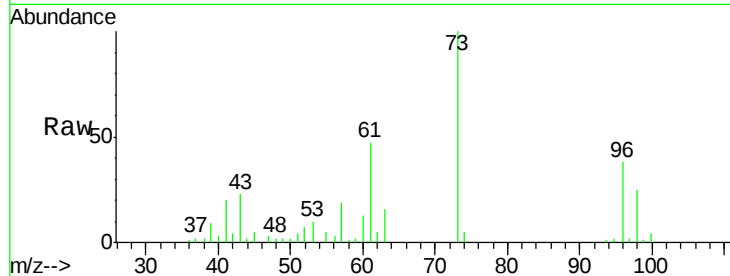




#19
Methyl tert-butyl Ether
Concen: 19.162 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

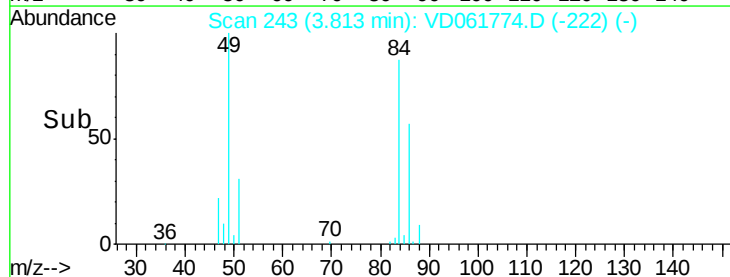
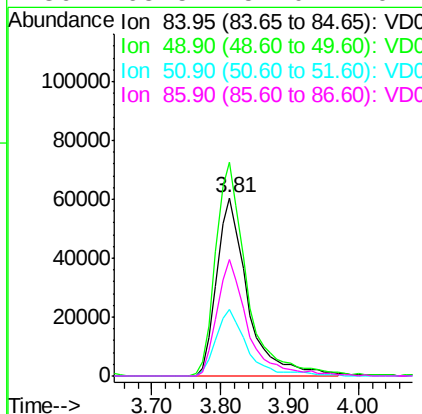
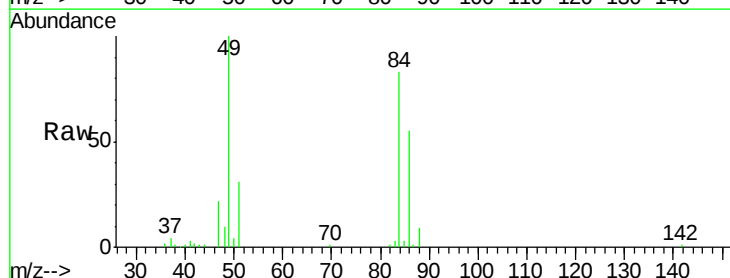
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

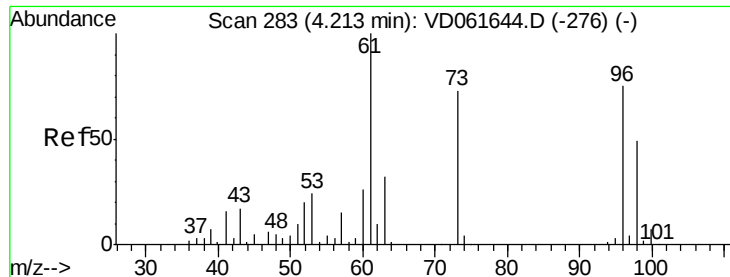
Tot Ion: 73 Resp: 226773
Ion Ratio Lower Upper
73 100
57 19.2 16.0 24.0



#20
Methylene Chloride
Concen: 22.368 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 84 Resp: 188567
Ion Ratio Lower Upper
84 100
49 120.0 93.0 139.4
51 37.3 30.4 45.6
86 65.5 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 18.467 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

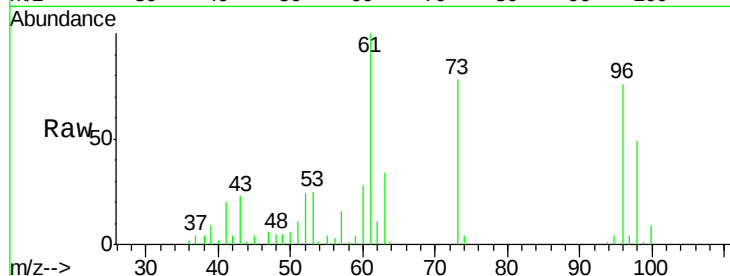
Tot Ion: 96 Resp: 137089

Ion Ratio Lower Upper

96 100

61 131.2 106.8 160.2

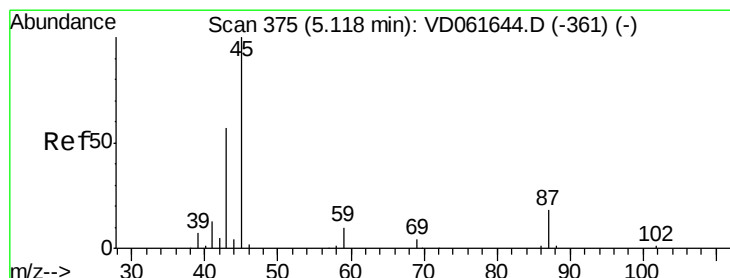
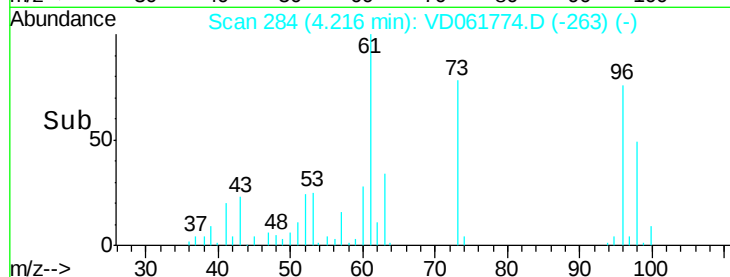
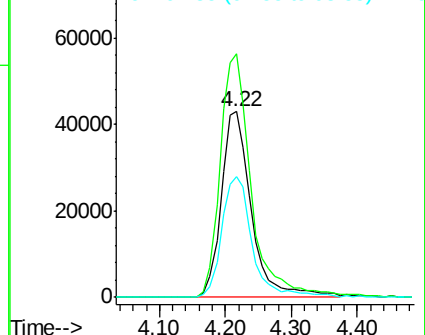
98 64.8 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.787 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Tgt Ion: 45 Resp: 406296

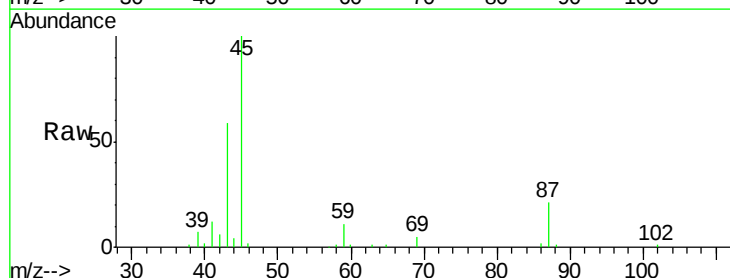
Ion Ratio Lower Upper

45 100

43 59.2 46.6 70.0

87 21.2 15.6 23.4

59 10.8 8.6 13.0

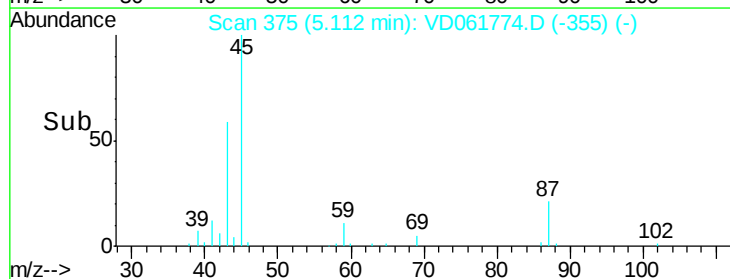
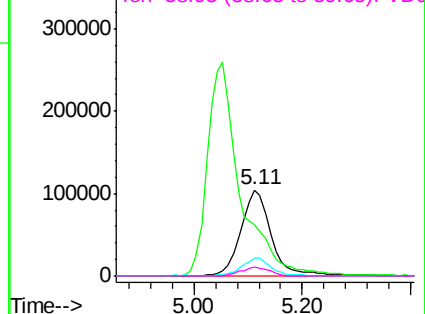


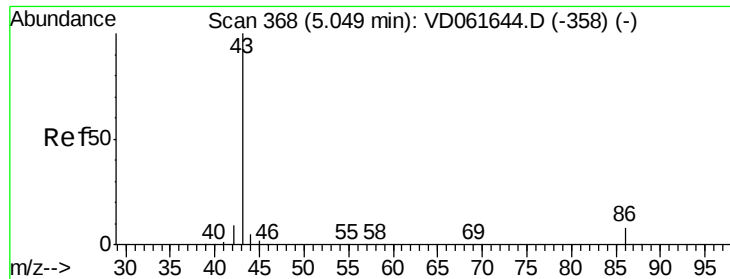
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 100.030 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

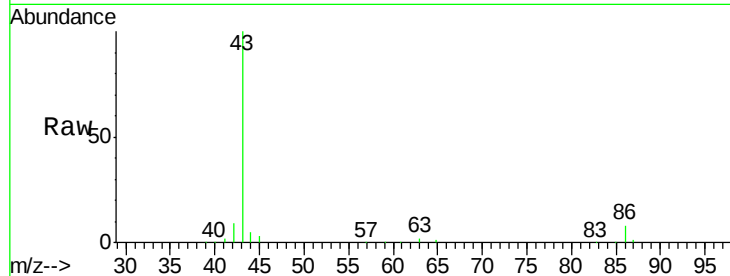
VD0412SBS01

Tot Ion: 43 Resp: 1078793

Ion Ratio Lower Upper

43 100

86 7.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

250000

200000

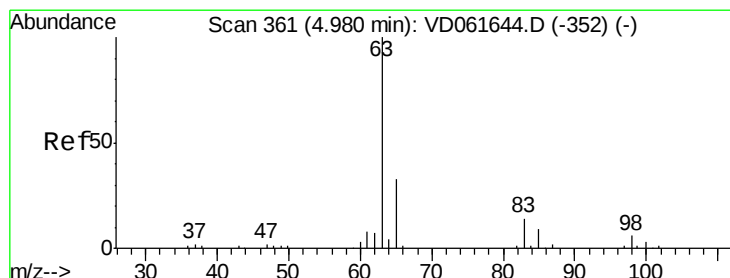
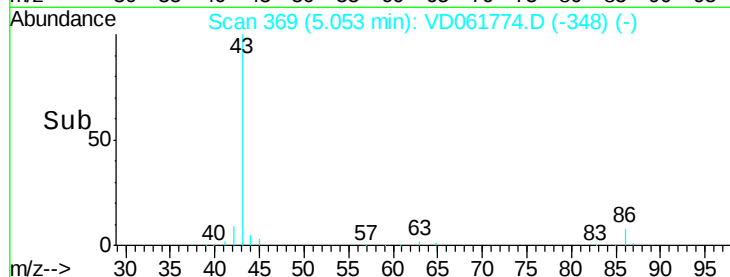
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.691 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

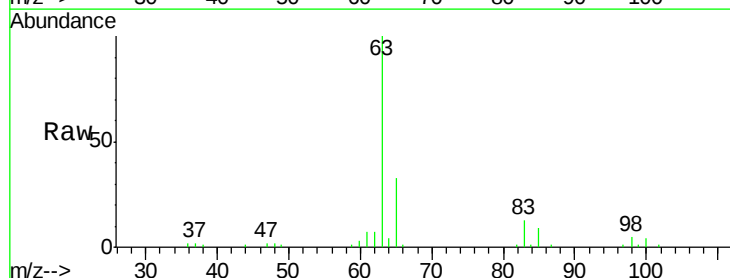
Tgt Ion: 63 Resp: 235839

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

100 4.0 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

4.97

80000

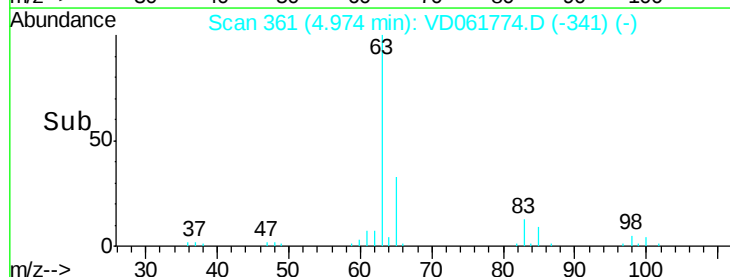
60000

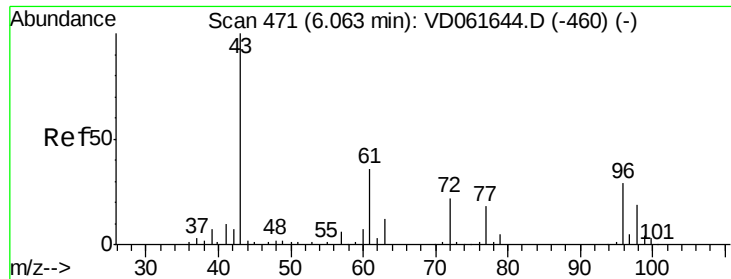
40000

20000

0

Time-->





#25

2-Butanone

Concen: 95.929 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

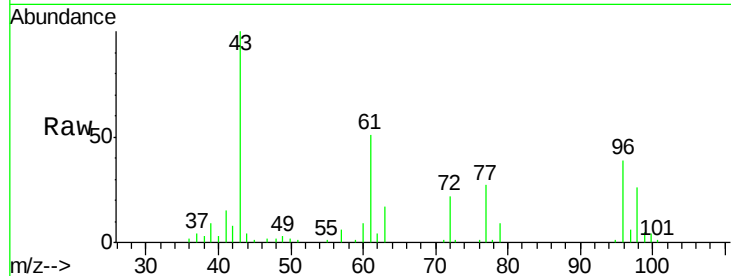
VD0412SBSD01

Tot Ion: 43 Resp: 164295

Ion Ratio Lower Upper

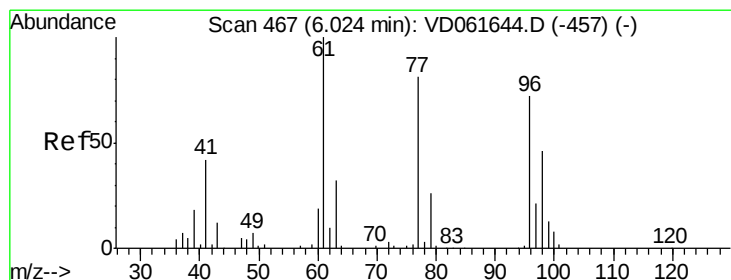
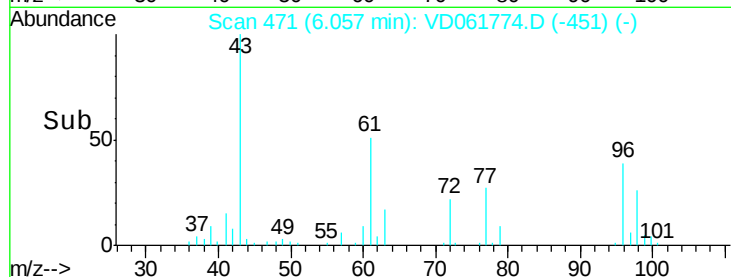
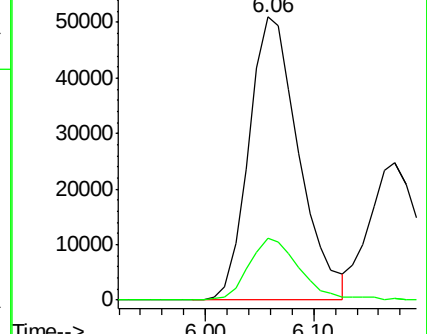
43 100

72 22.0 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: 20.541 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD061774.D

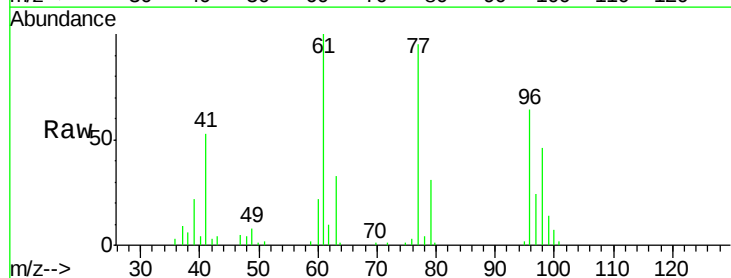
Acq: 12 Apr 2019 13:17

Tgt Ion: 77 Resp: 200329

Ion Ratio Lower Upper

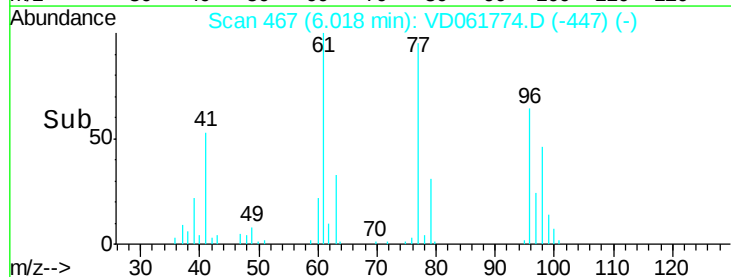
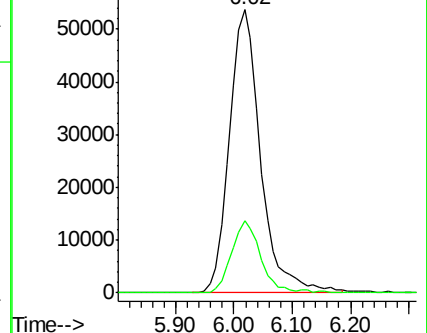
77 100

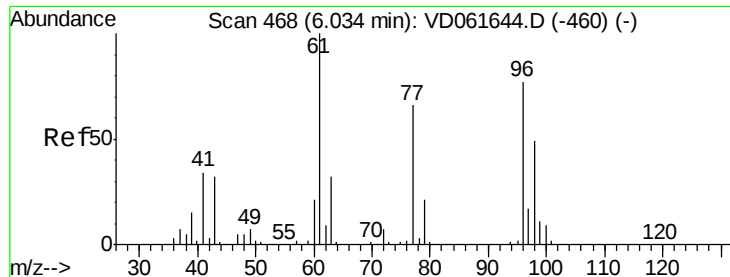
97 25.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



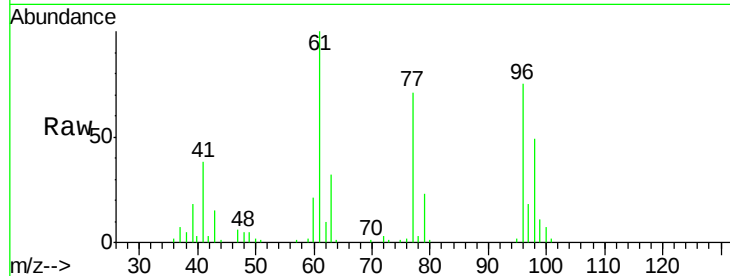


#27

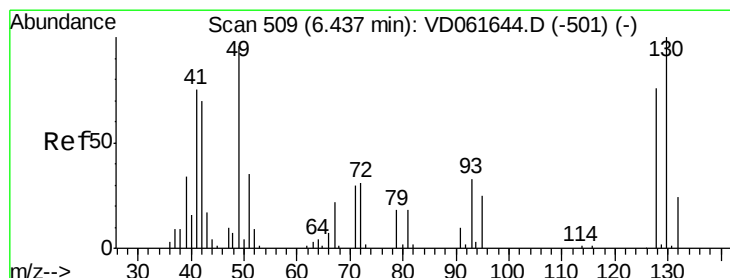
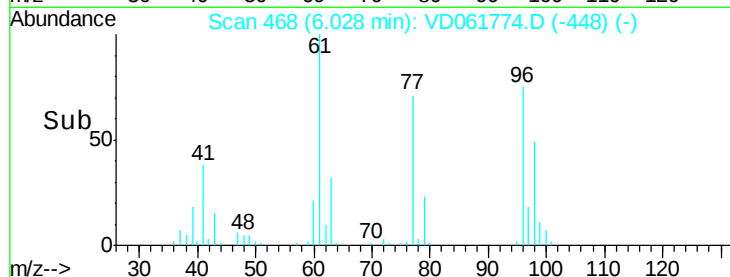
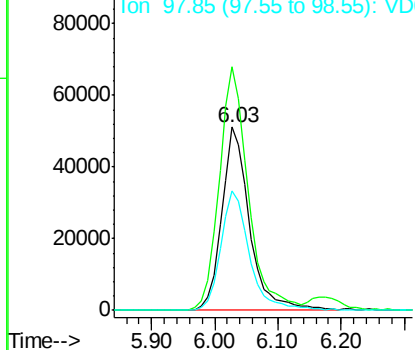
cis-1,2-Dichloroethene
 Concen: 19.661 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBSD01

Tot Ion: 96 Resp: 155710
 Ion Ratio Lower Upper
 96 100
 61 133.2 0.0 259.8
 98 65.6 0.0 127.6



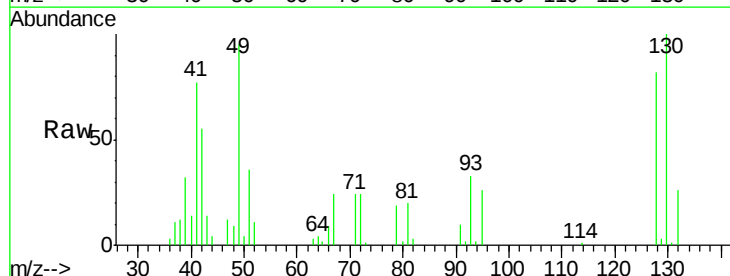
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



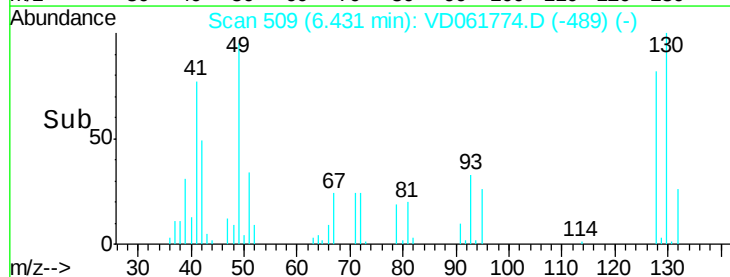
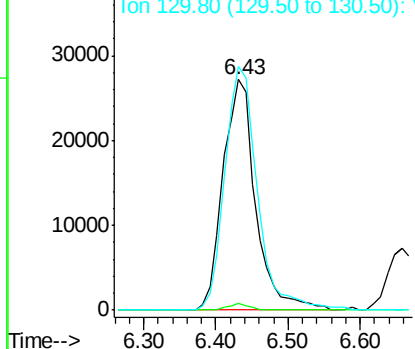
#28

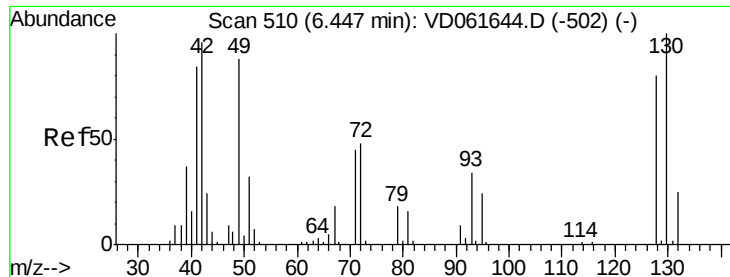
Bromochloromethane
 Concen: 19.260 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion: 49 Resp: 85094
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 4.0
 130 105.6 83.3 124.9



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

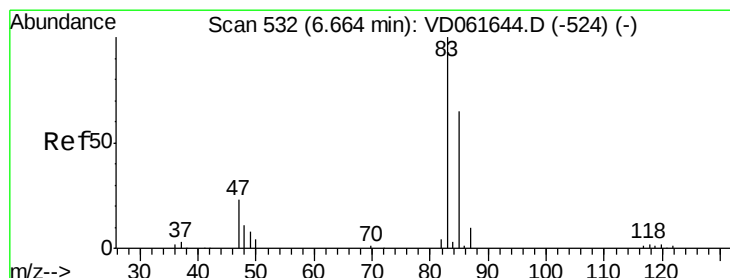
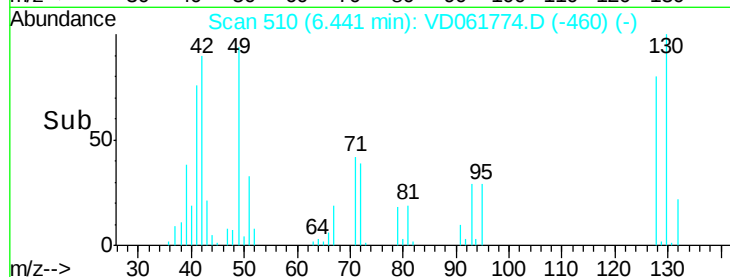
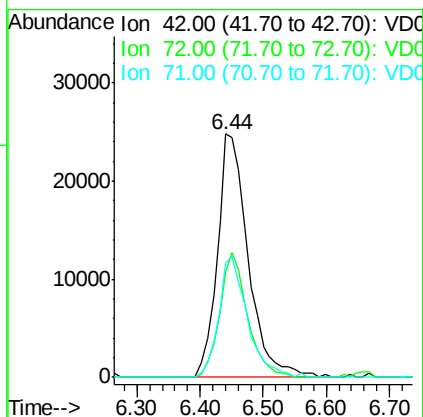
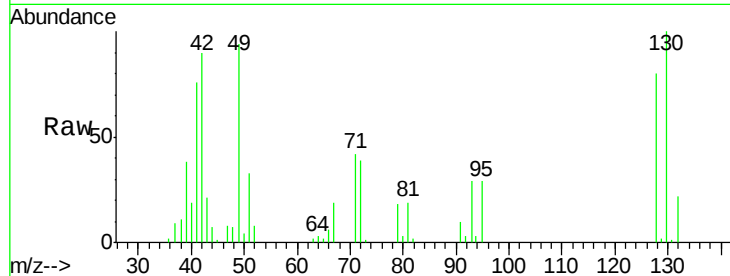




#29
Tetrahydrofuran
Concen: 101.601 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

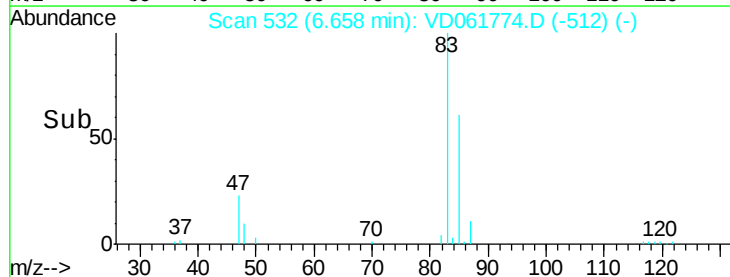
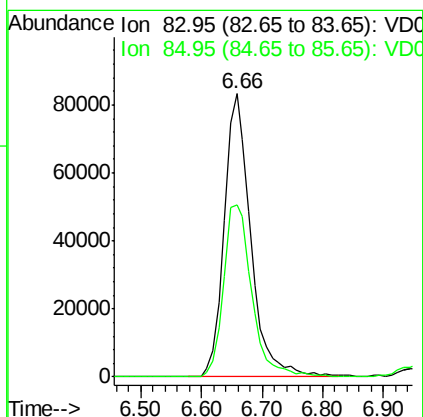
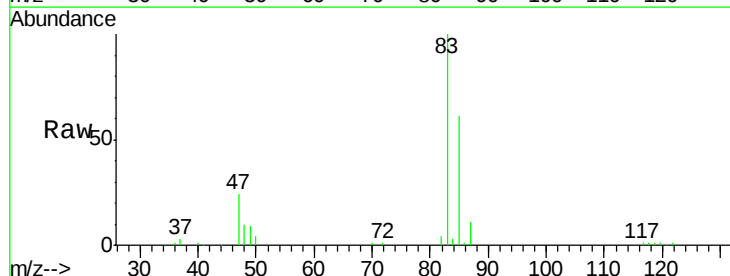
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

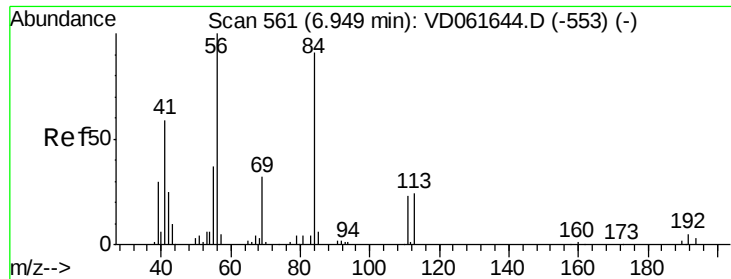
Tot Ion: 42 Resp: 84000
Ion Ratio Lower Upper
42 100
72 46.0 37.0 55.6
71 46.2 36.5 54.7



#30
Chloroform
Concen: 20.177 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 83 Resp: 253161
Ion Ratio Lower Upper
83 100
85 60.6 51.9 77.9

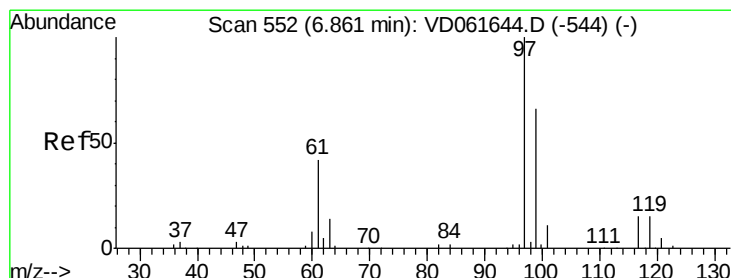
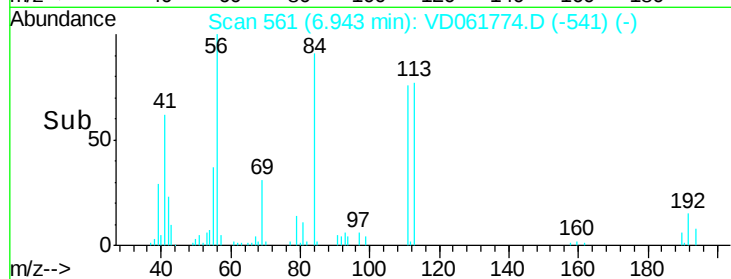
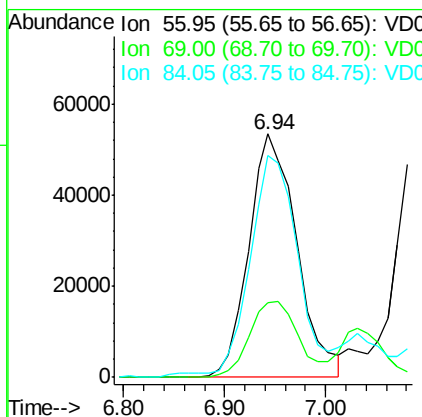
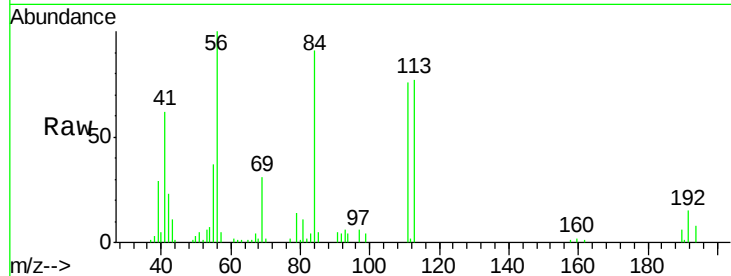




#31
Cyclohexane
Concen: 18.846 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

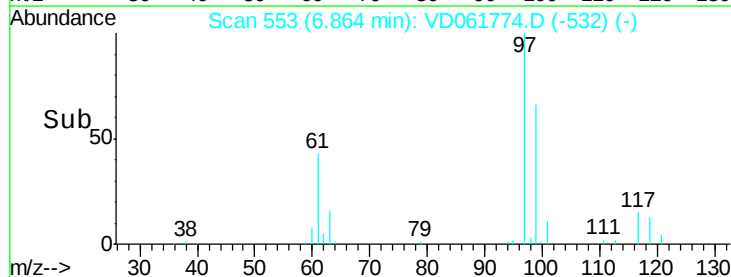
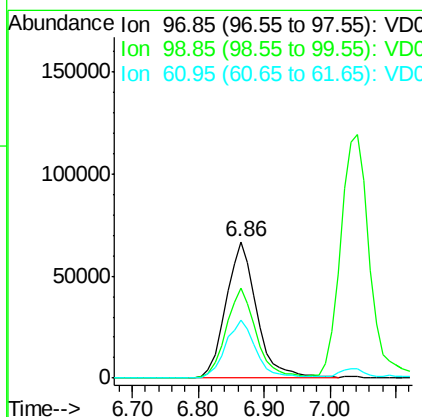
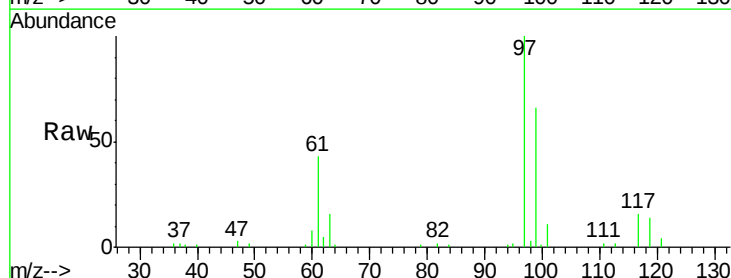
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

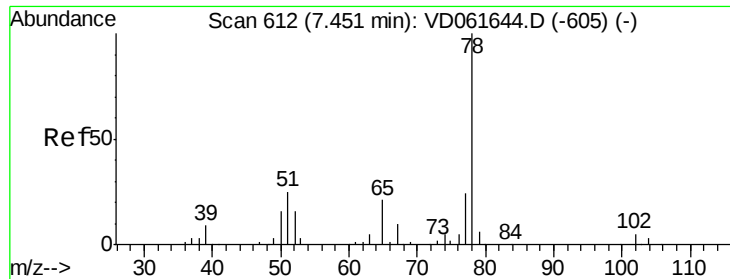
Tot Ion: 56 Resp: 176334
Ion Ratio Lower Upper
56 100
69 30.6 25.8 38.6
84 91.2 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 19.912 ug/l
RT: 6.86 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 97 Resp: 218944
Ion Ratio Lower Upper
97 100
99 65.7 52.5 78.7
61 42.6 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 19.912 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

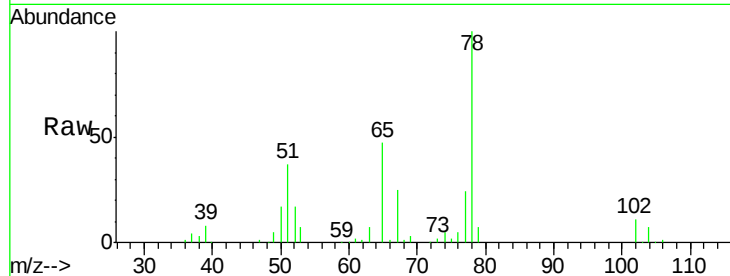
VD0412SBSD01

Tot Ion: 65 Resp: 210990

Ion Ratio Lower Upper

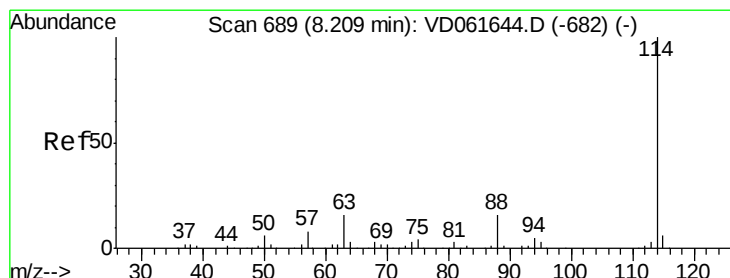
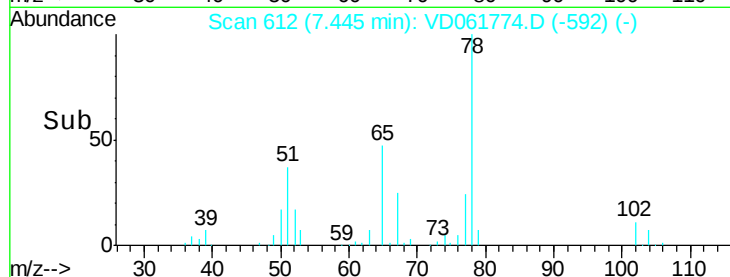
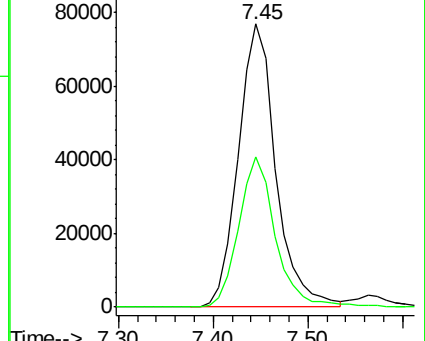
65 100

67 53.2 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: VD061774.D

Acq: 12 Apr 2019 13:17

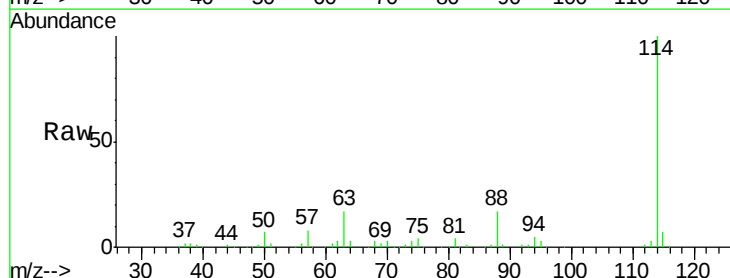
Tgt Ion: 114 Resp: 1007336

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.2

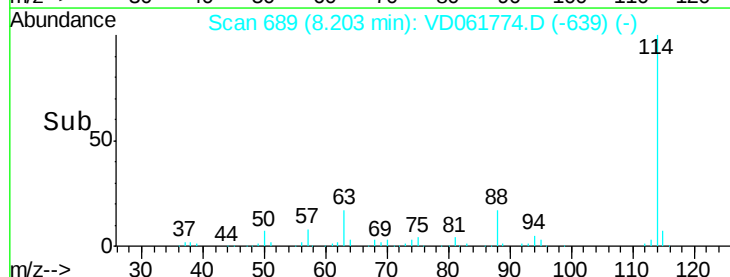
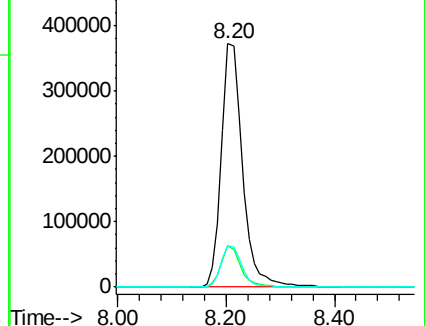
88 17.1 0.0 31.8

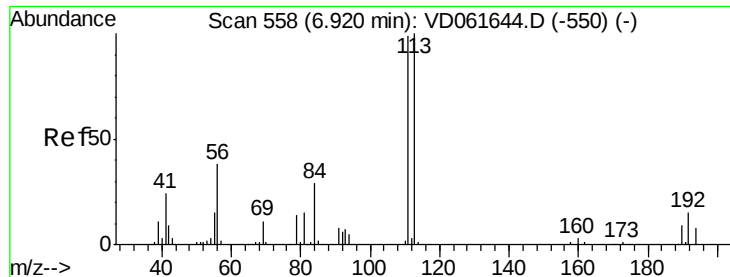


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

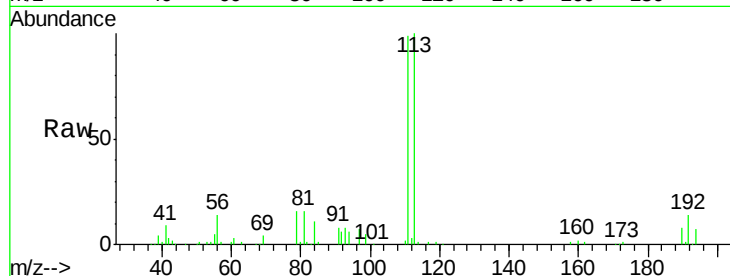
Tot Ion:113 Resp: 321843

Ion Ratio Lower Upper

113 100

111 98.8 79.3 118.9

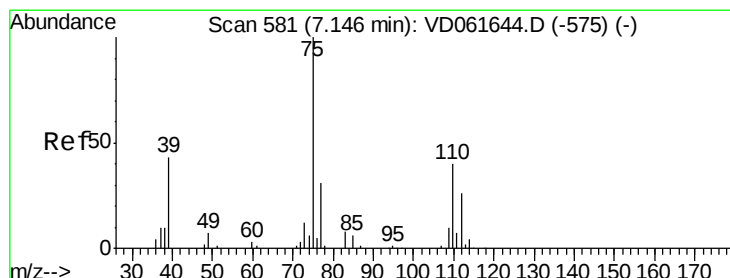
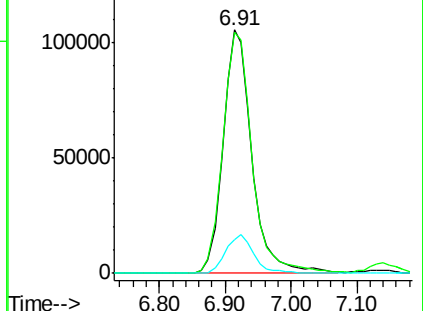
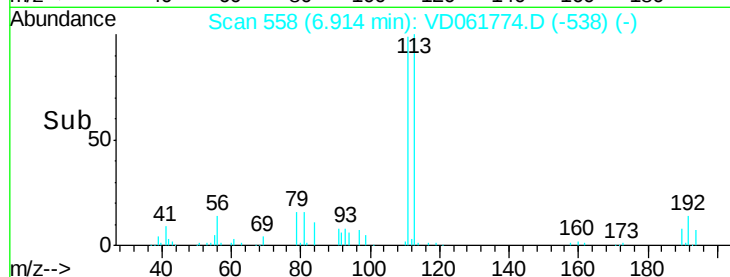
192 13.6 12.3 18.5



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: 21.488 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

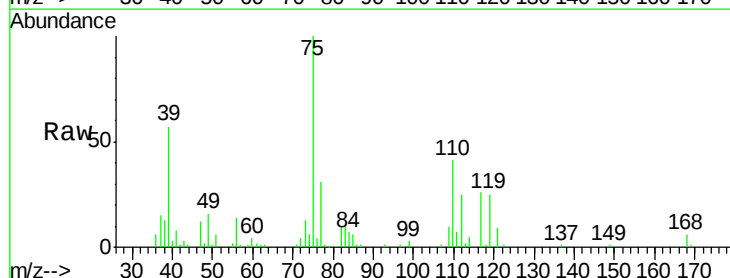
Tgt Ion: 75 Resp: 189442

Ion Ratio Lower Upper

75 100

110 40.6 19.7 59.0

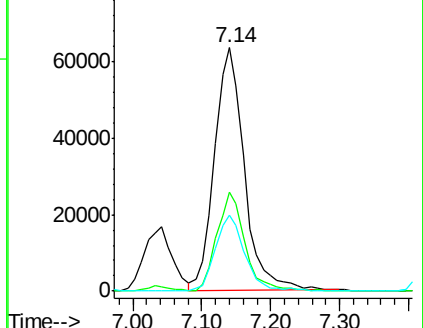
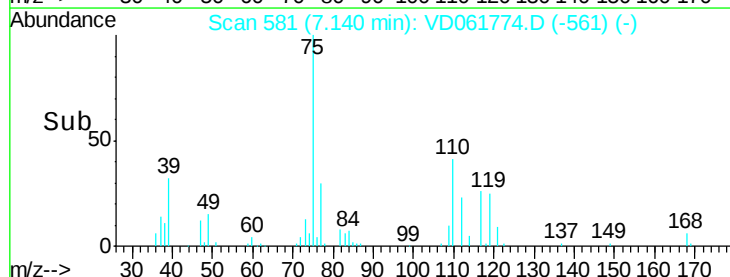
77 31.1 24.8 37.2

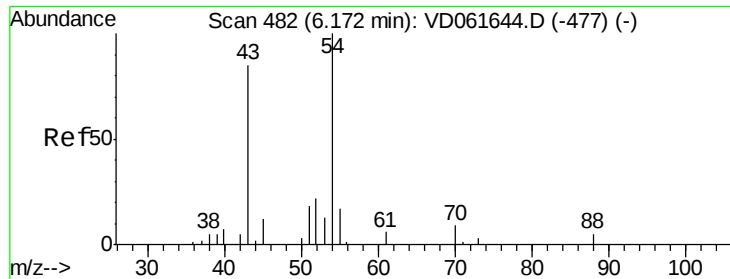


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

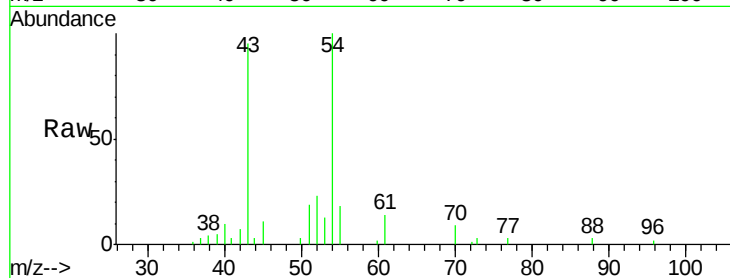




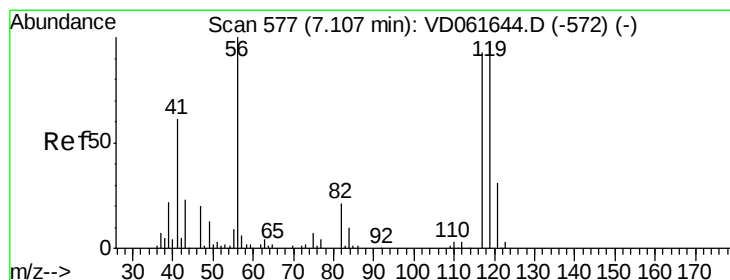
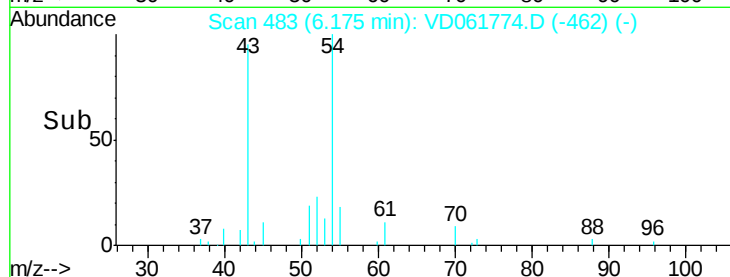
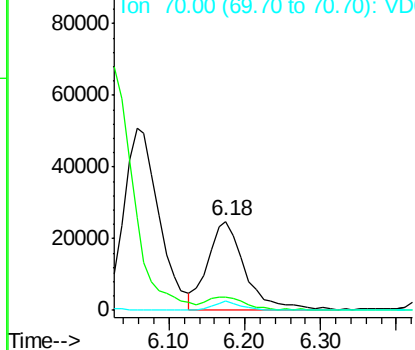
#37
Ethyl Acetate
Concen: 23.723 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion: 43 Resp: 85185
Ion Ratio Lower Upper
43 100
61 15.3 11.9 17.9
70 10.0 6.9 10.3

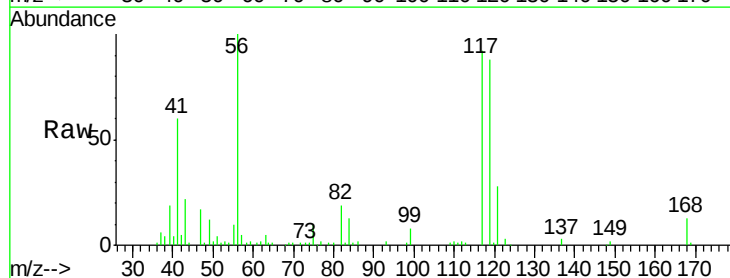


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

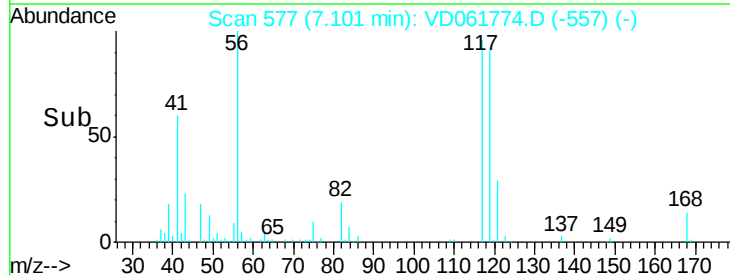
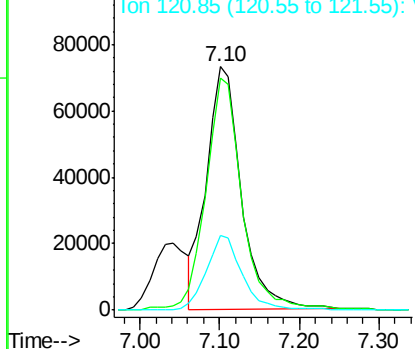


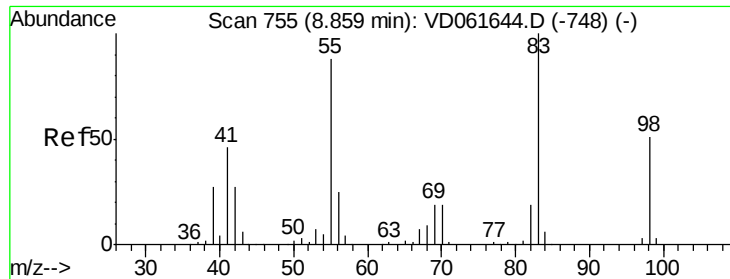
#38
Carbon Tetrachloride
Concen: 21.541 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 117 Resp: 222573
Ion Ratio Lower Upper
117 100
119 95.2 77.9 116.9
121 30.6 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

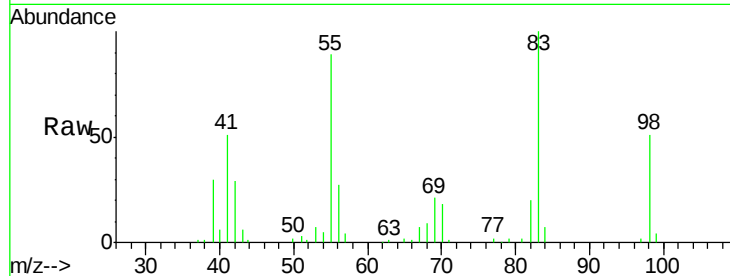




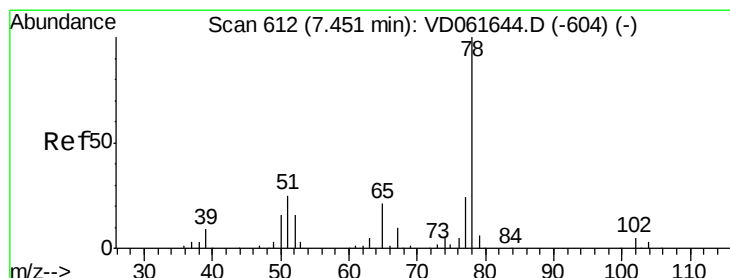
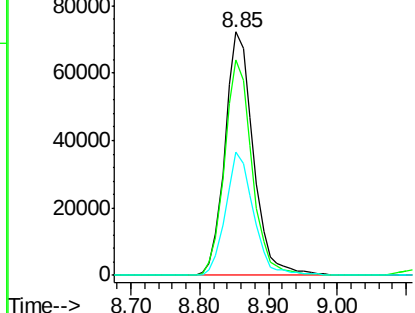
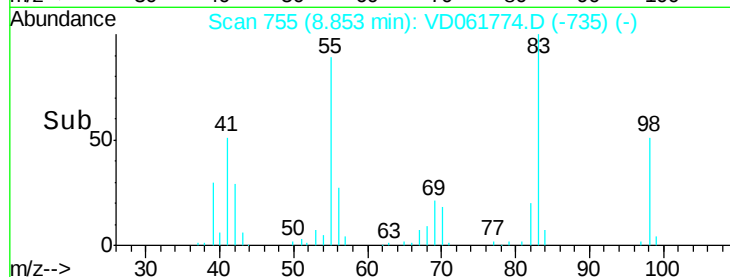
#39
Methvlcvclohexane
Concen: 22.664 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

Tot Ion: 83 Resp: 205133
Ion Ratio Lower Upper
83 100
55 88.7 70.3 105.5
98 50.8 41.0 61.6

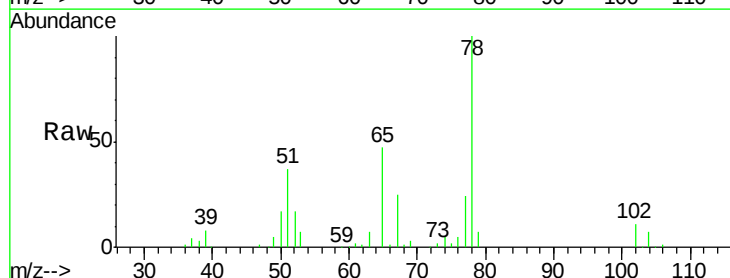


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

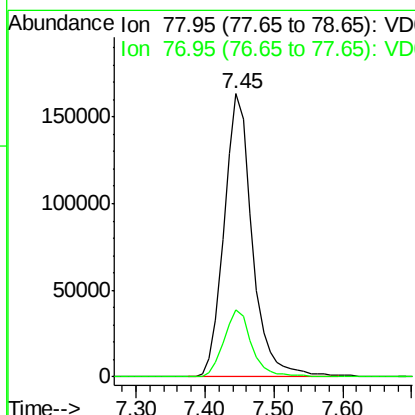
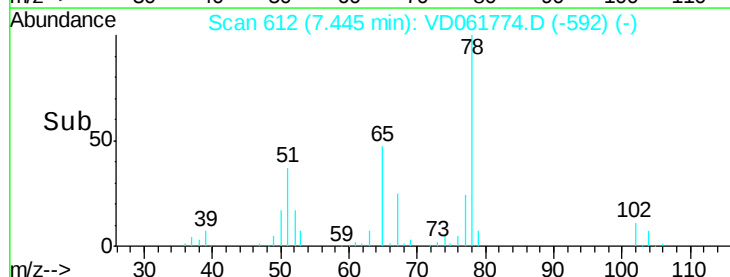


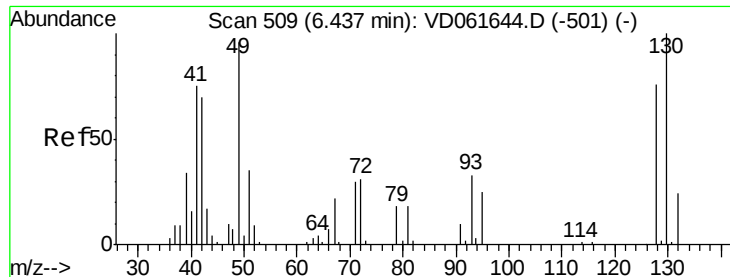
#40
Benzene
Concen: 21.745 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 78 Resp: 462478
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3



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

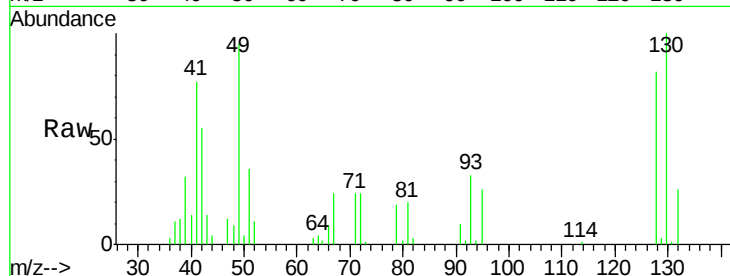




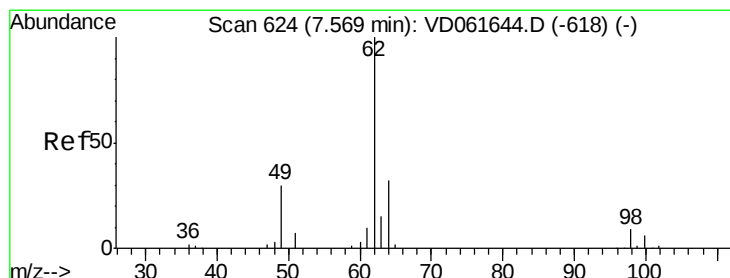
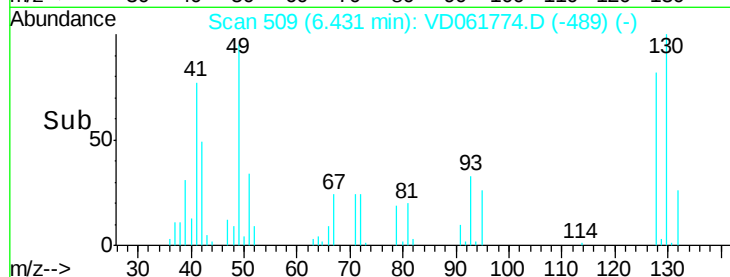
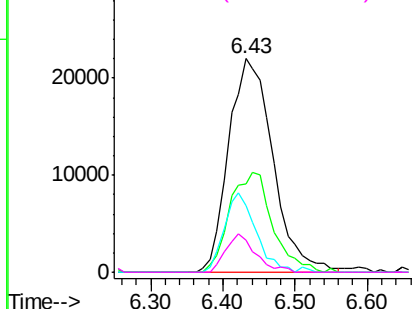
#41
Methacrylonitrile
Concen: 22.430 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

Tot Ion: 41 Resp: 94023
Ion Ratio Lower Upper
41 100
39 41.6 36.2 54.2
67 31.4 23.2 34.8
52 15.0 10.0 15.0

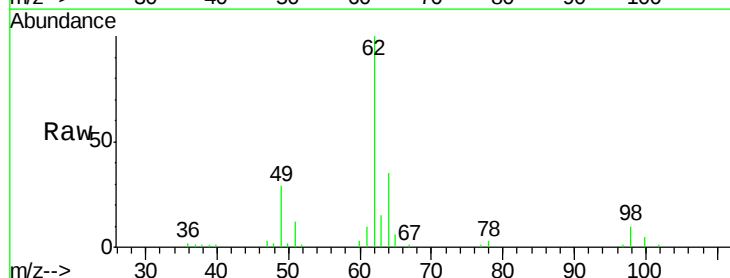


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

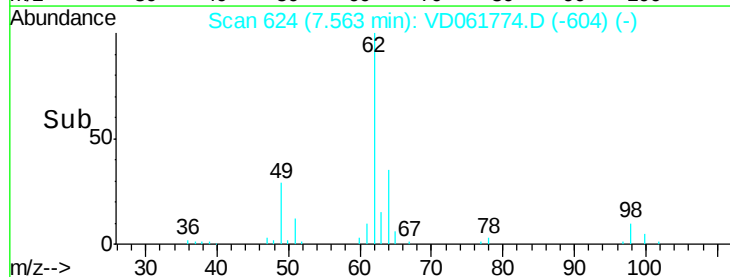
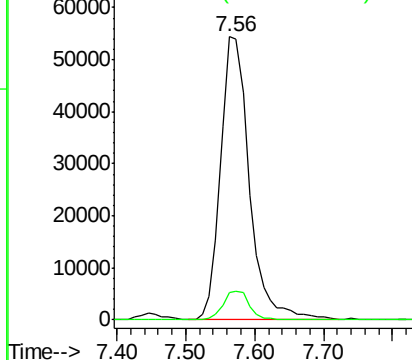


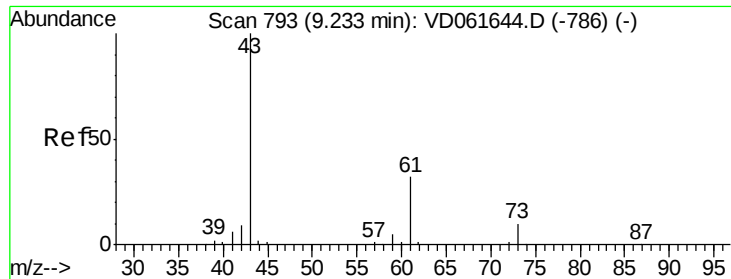
#42
1,2-Dichloroethane
Concen: 23.629 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 62 Resp: 158050
Ion Ratio Lower Upper
62 100
98 9.7 0.0 17.8



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



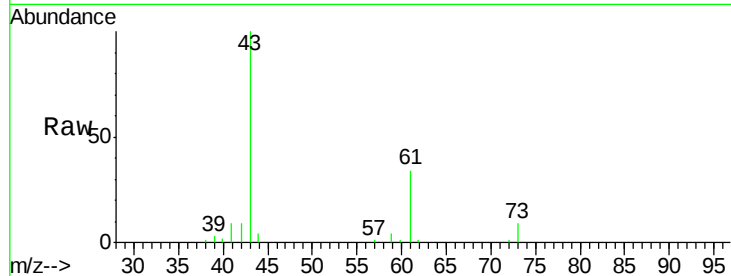


#43

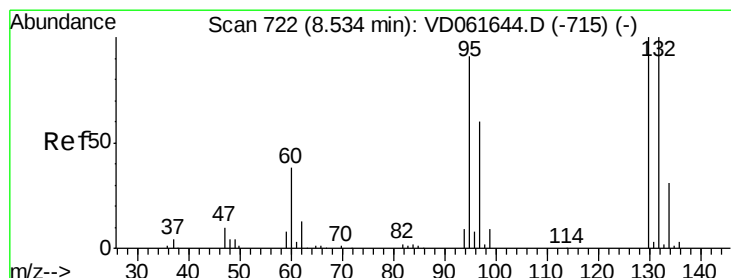
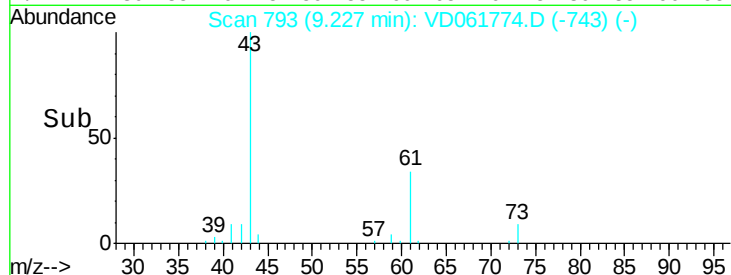
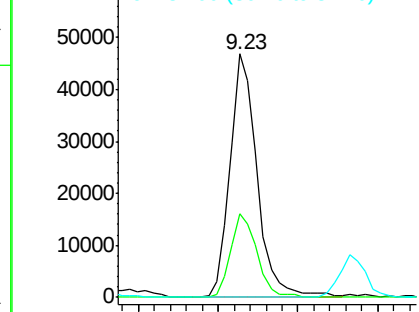
Isopropyl Acetate
 Concen: 21.650 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBSD01

Tot Ion: 43 Resp: 112829
 Ion Ratio Lower Upper
 43 100
 61 34.1 25.9 38.9
 87 0.0 0.2 0.4#



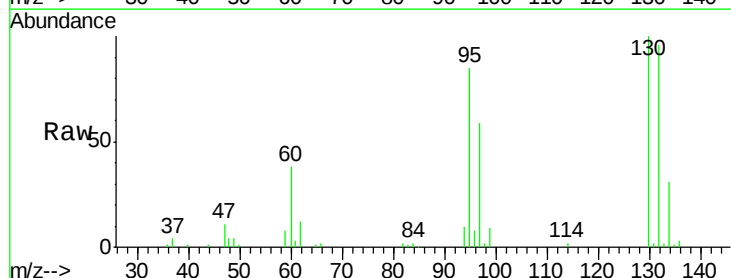
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



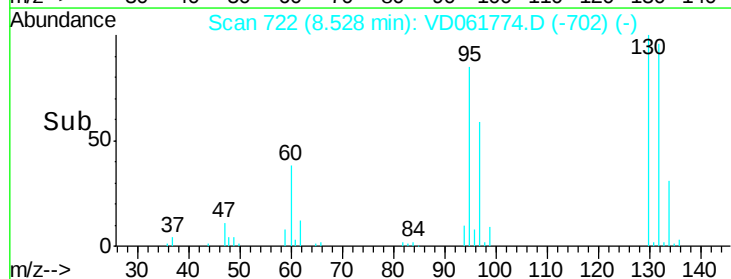
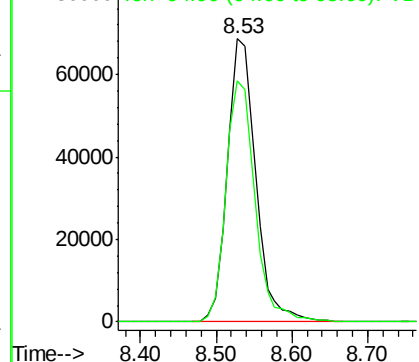
#44

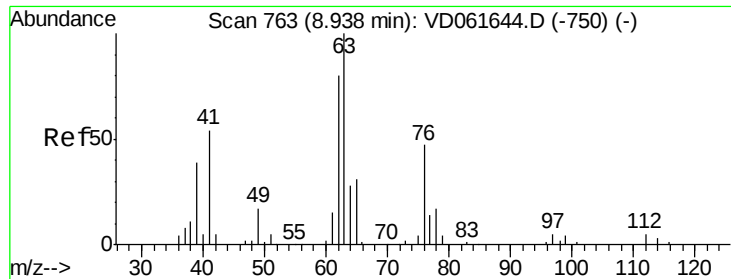
Trichloroethene
 Concen: 21.935 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion:130 Resp: 178848
 Ion Ratio Lower Upper
 130 100
 95 85.3 0.0 181.8



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





#45

1,2-Dichloropropane

Concen: 22.076 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

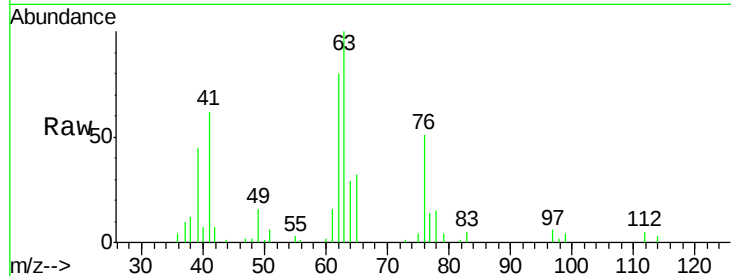
VD0412SBS01

Tot Ion: 63 Resp: 116443

Ion Ratio Lower Upper

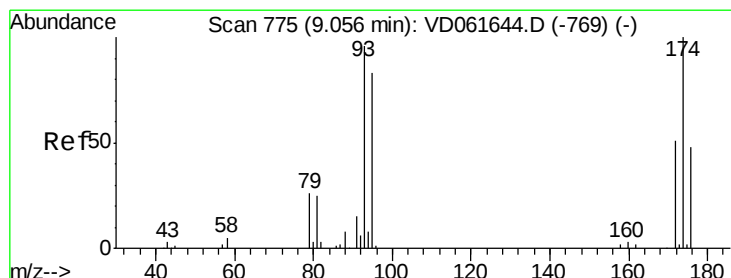
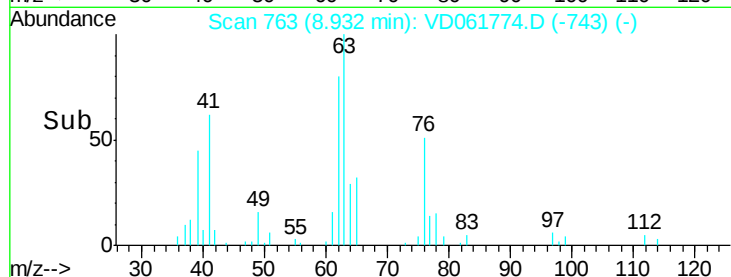
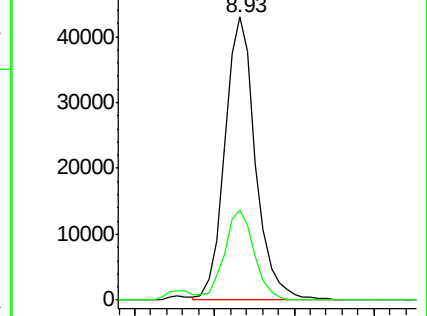
63 100

65 31.8 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.101 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

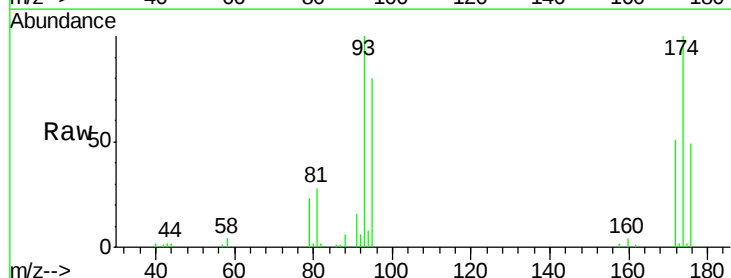
Tgt Ion: 93 Resp: 83315

Ion Ratio Lower Upper

93 100

95 79.9 68.6 103.0

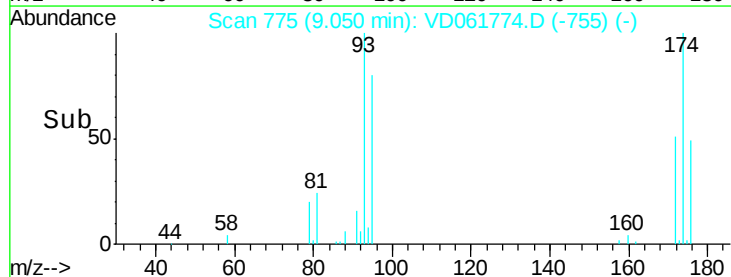
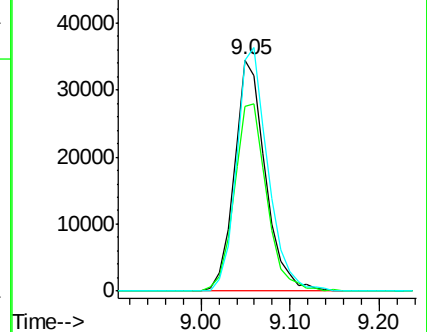
174 99.7 83.0 124.4

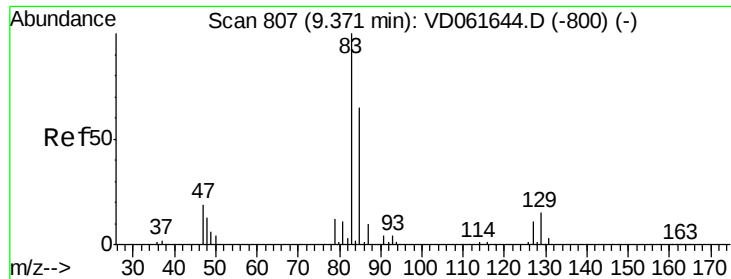


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.005 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBSD01

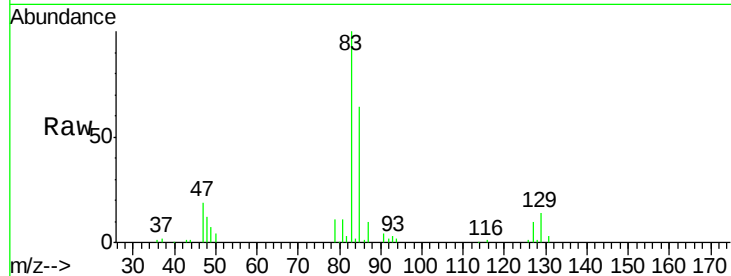
Tot Ion: 83 Resp: 182184

Ion Ratio Lower Upper

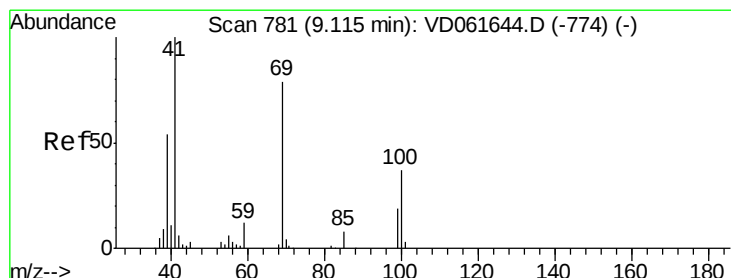
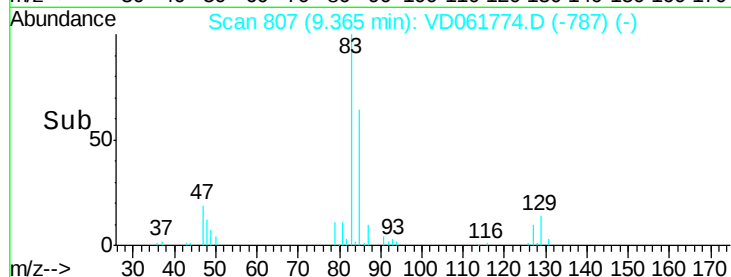
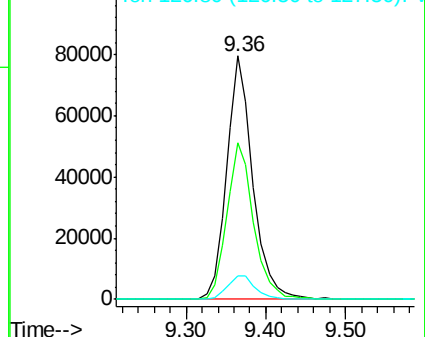
83 100

85 64.4 51.8 77.6

127 9.6 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: 20.690 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

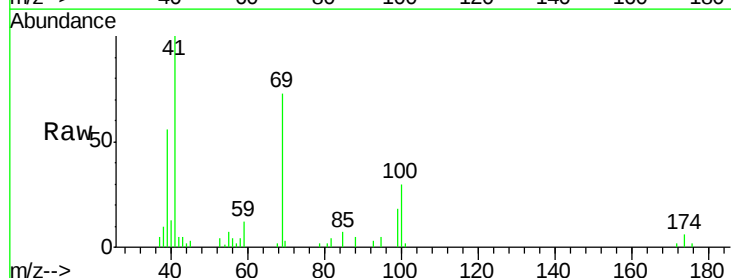
Tgt Ion: 41 Resp: 62155

Ion Ratio Lower Upper

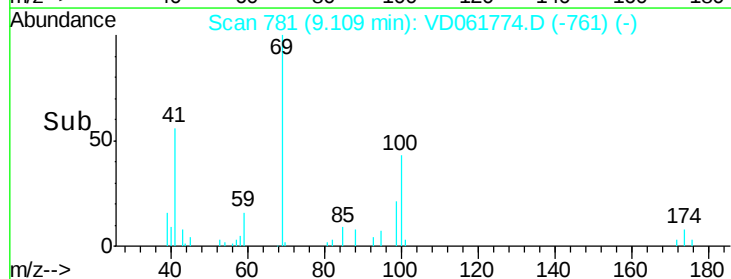
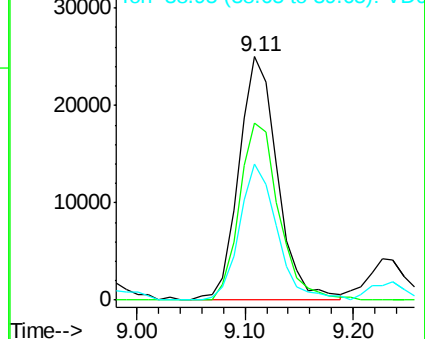
41 100

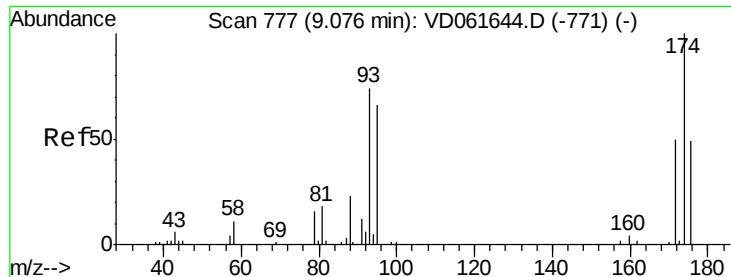
69 72.6 63.1 94.7

39 56.1 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

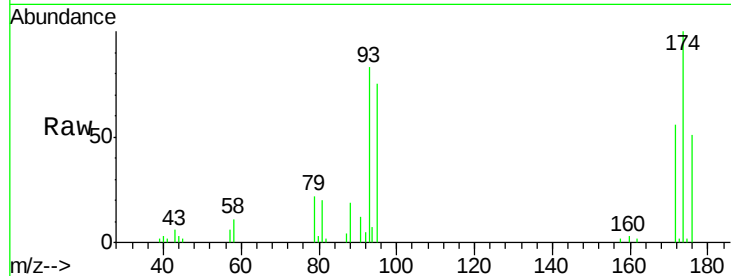




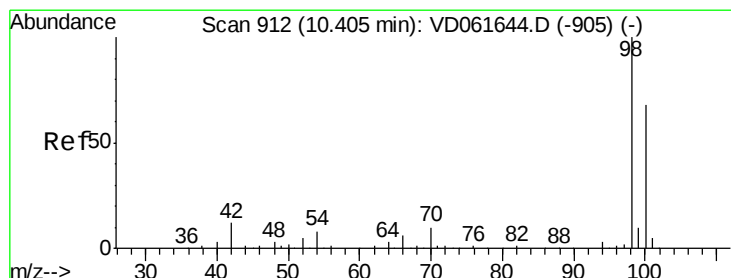
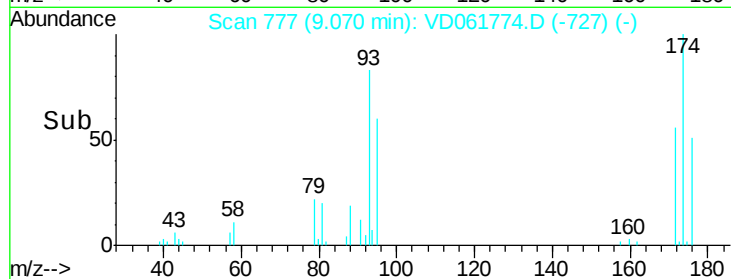
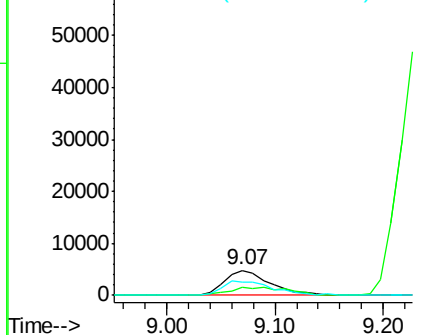
#49
 1,4-Dioxane
 Concen: 415.791 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBSD01

Tot Ion: 88 Resp: 13787
 Ion Ratio Lower Upper
 88 100
 43 30.7 21.8 32.8
 58 54.8 40.2 60.2

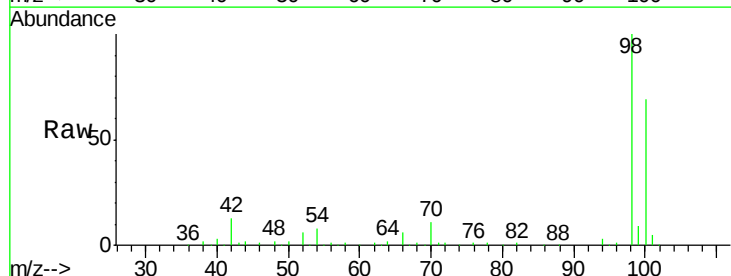


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

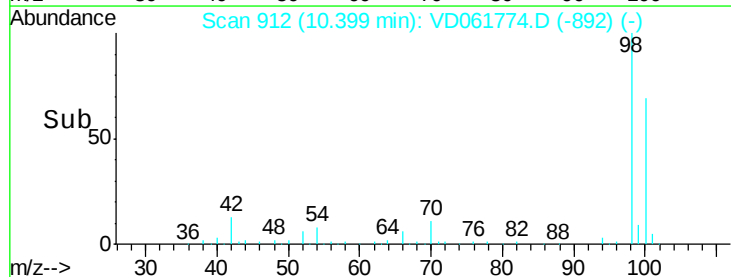
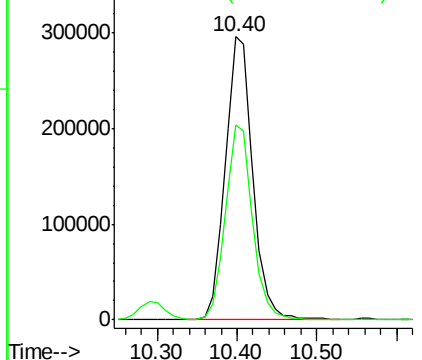


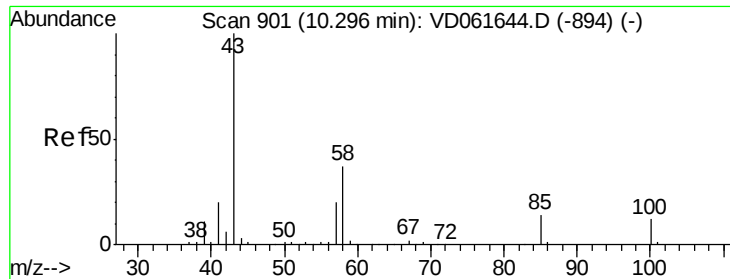
#50
 Toluene-d8
 Concen: 415.791 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion: 98 Resp: 717838
 Ion Ratio Lower Upper
 98 100
 100 68.8 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: 113.760 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

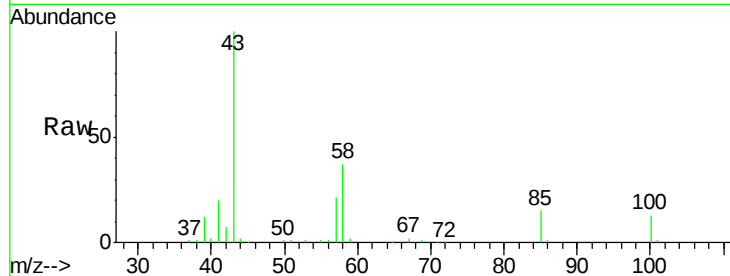
VD0412SBS01

Tot Ion: 43 Resp: 350612

Ion Ratio Lower Upper

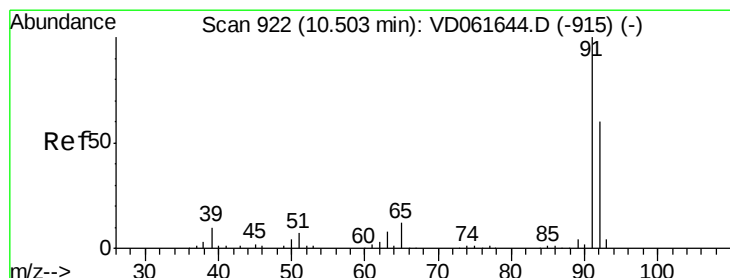
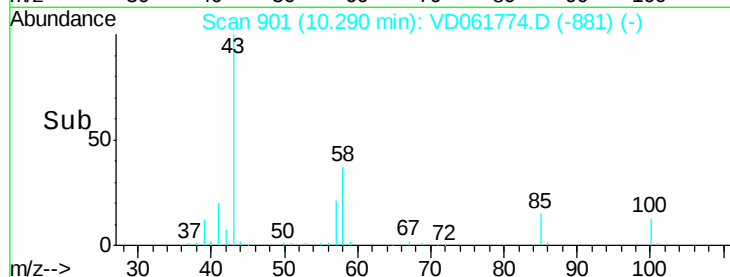
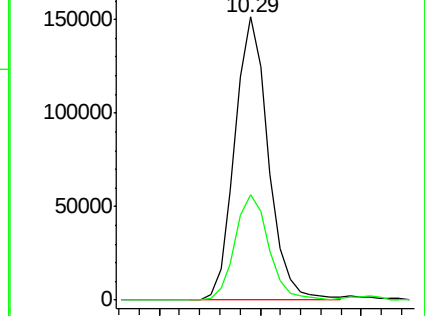
43 100

58 37.4 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: 22.130 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061774.D

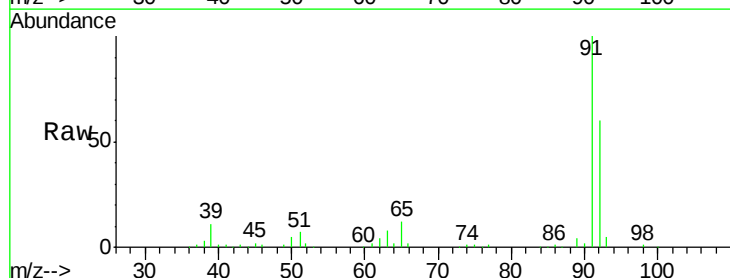
Acq: 12 Apr 2019 13:17

Tgt Ion: 92 Resp: 293910

Ion Ratio Lower Upper

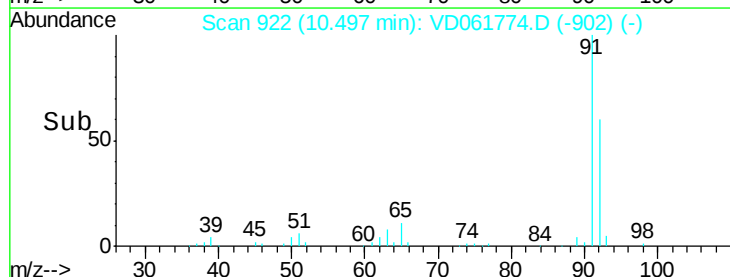
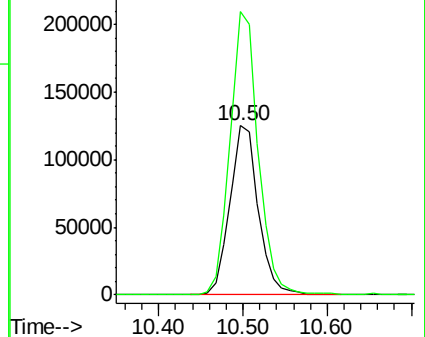
92 100

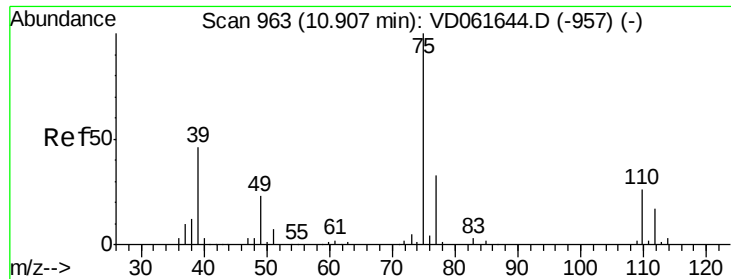
91 167.2 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

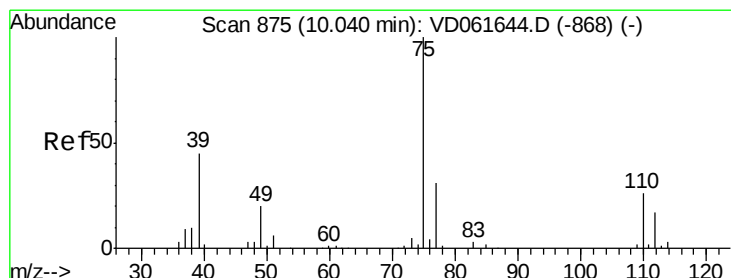
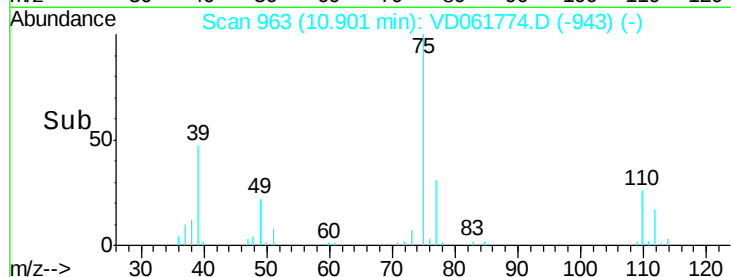
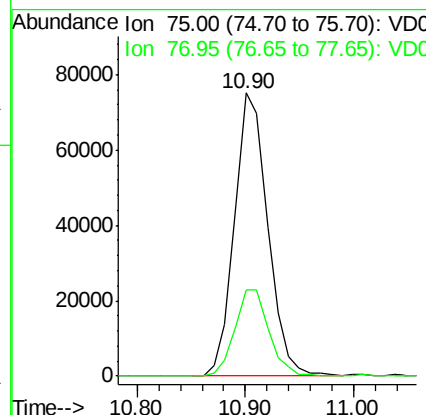
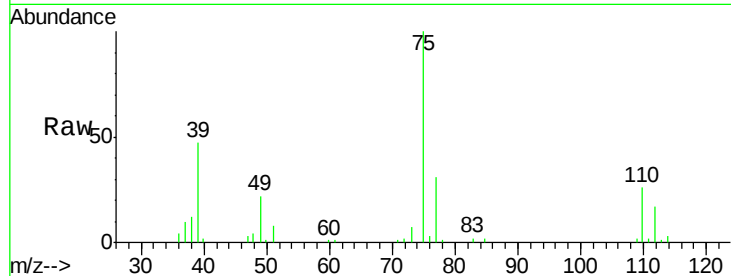




#53
 t-1,3-Dichloropropene
 Concen: 22.199 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

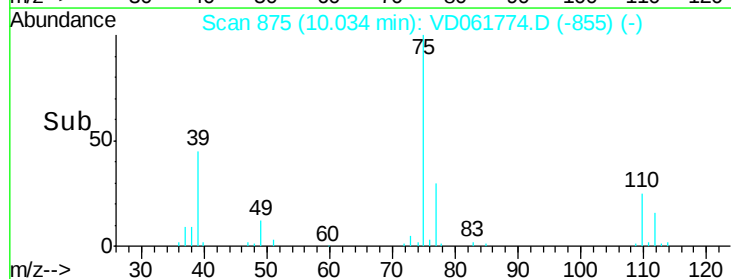
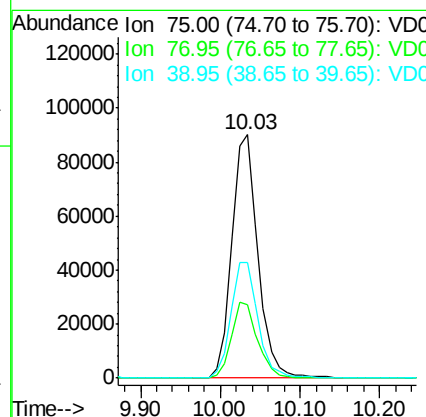
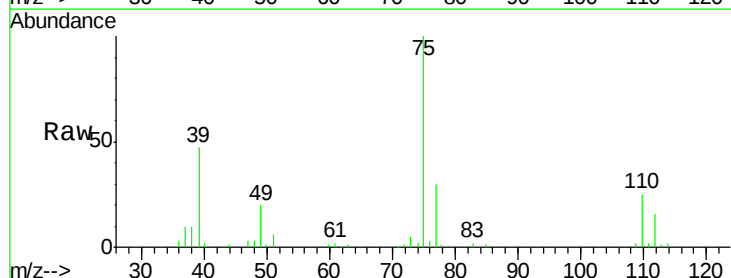
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBSD01

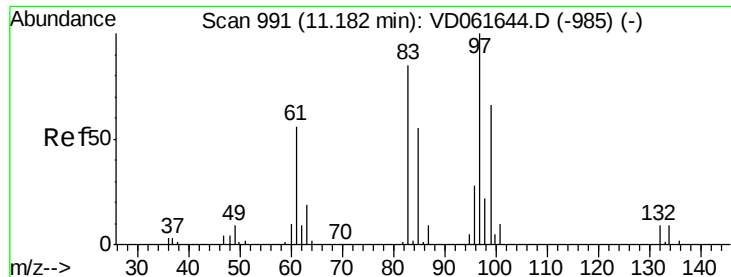
Tot Ion: 75 Resp: 161104
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 23.222 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion: 75 Resp: 207754
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.6 37.0
 39 47.4 36.2 54.2

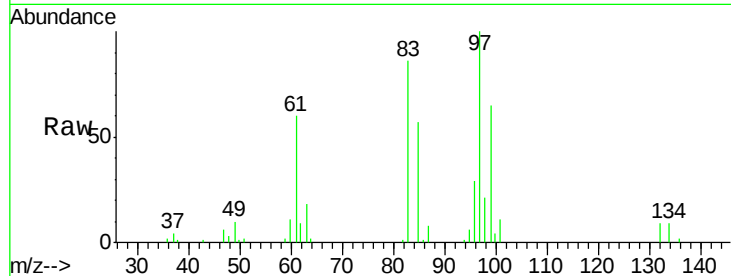




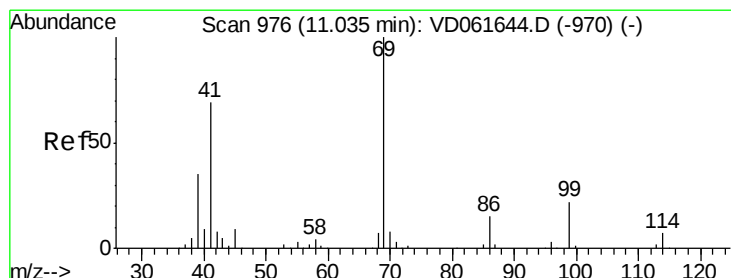
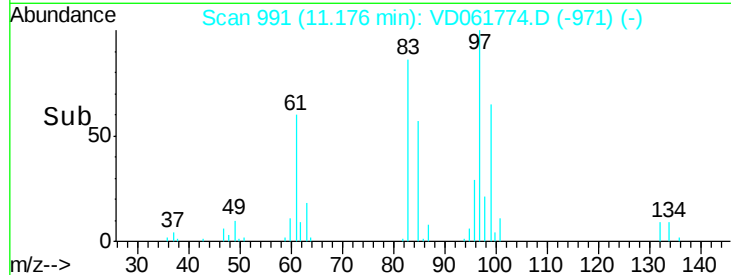
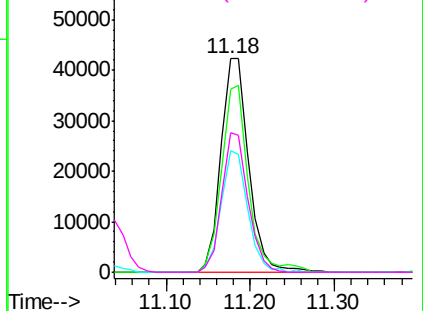
#55
 1,1,2-Trichloroethane
 Concen: 21.719 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

Tot Ion:	97	Resp:	97286
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.6
85	57.1	43.8	65.8
99	65.1	52.8	79.2

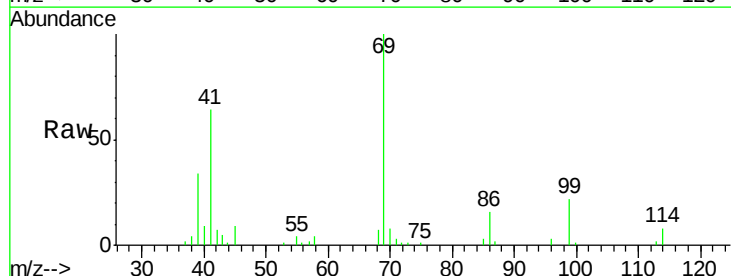


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

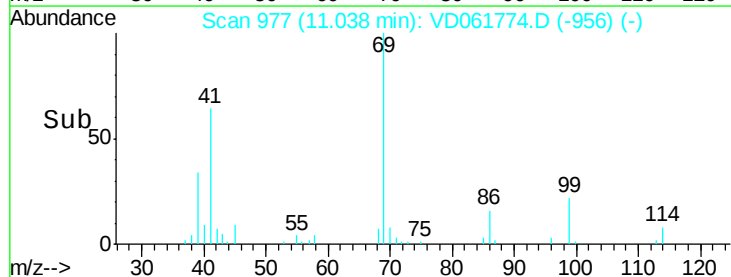
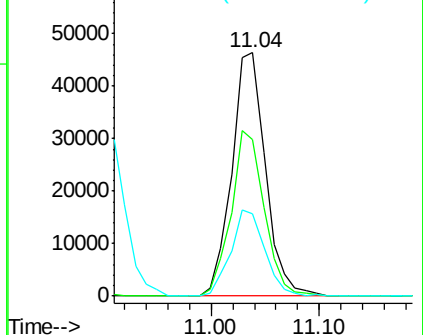


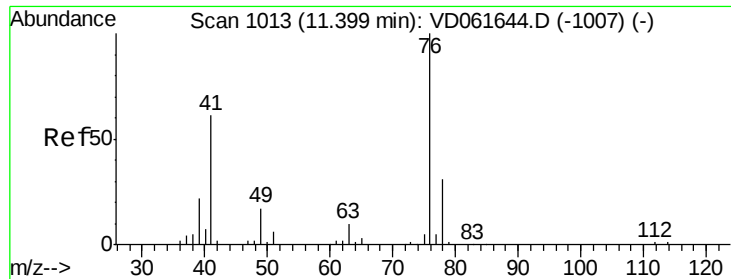
#56
 Ethyl methacrylate
 Concen: 21.304 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion:	69	Resp:	100668
Ion	Ratio	Lower	Upper
69	100		
41	64.5	55.2	82.8
39	34.1	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: 20.273 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

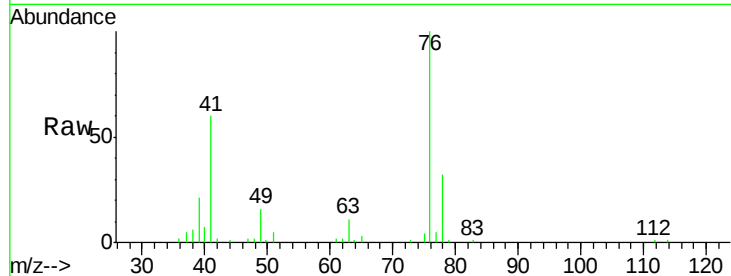
VD0412SBSD01

Tot Ion: 76 Resp: 132985

Ion Ratio Lower Upper

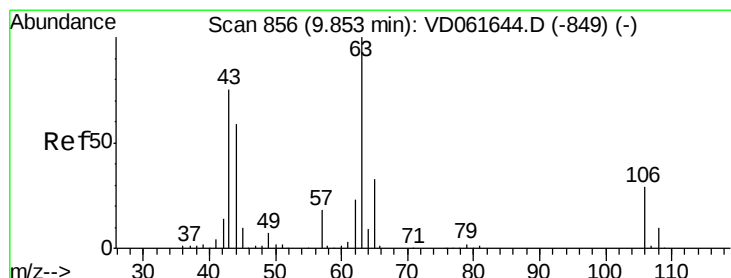
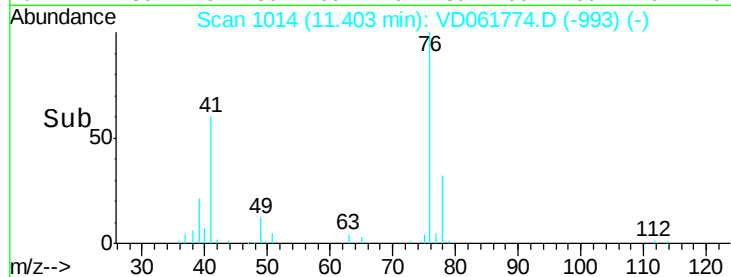
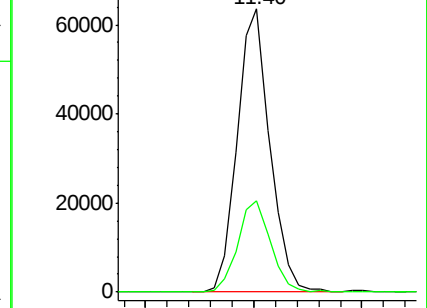
76 100

78 32.3 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 117.538 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD061774.D

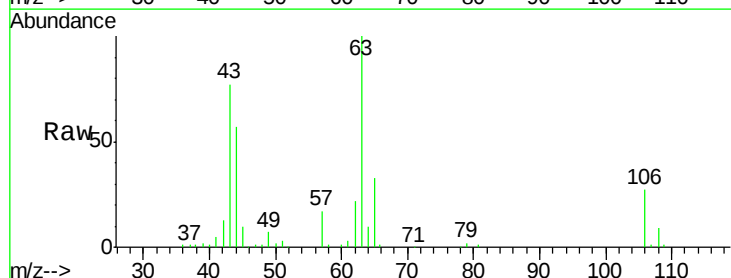
Acq: 12 Apr 2019 13:17

Tgt Ion: 63 Resp: 262066

Ion Ratio Lower Upper

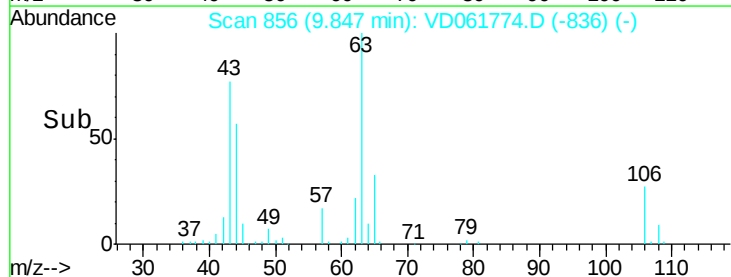
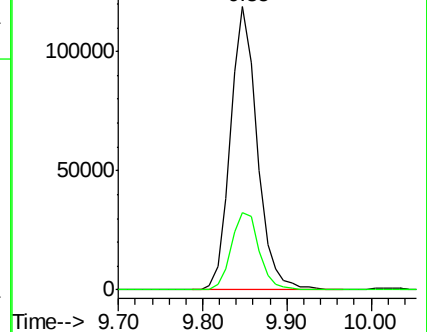
63 100

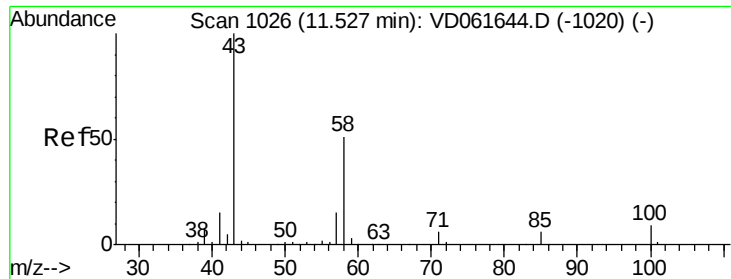
106 27.2 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 101.784 ug/l

RT: 11.52 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

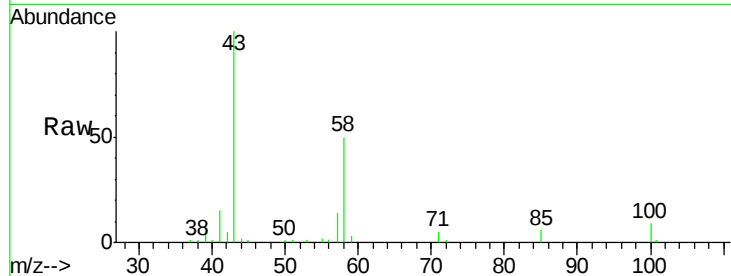
VD0412SBSD01

Tot Ion: 43 Resp: 243456

Ion Ratio Lower Upper

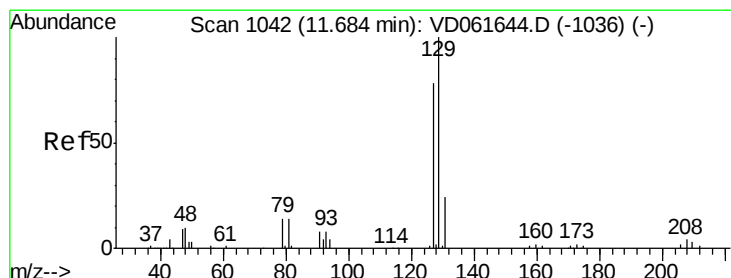
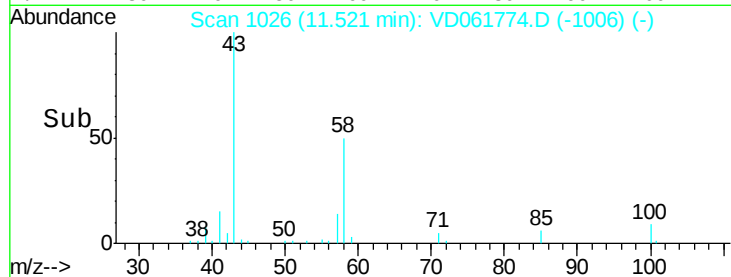
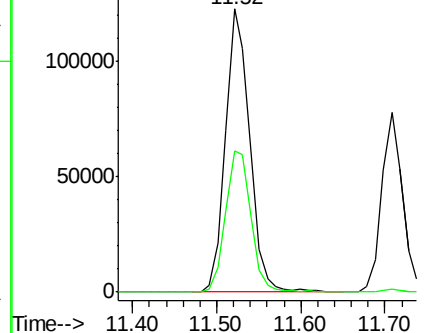
43 100

58 50.0 25.6 76.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 22.727 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD061774.D

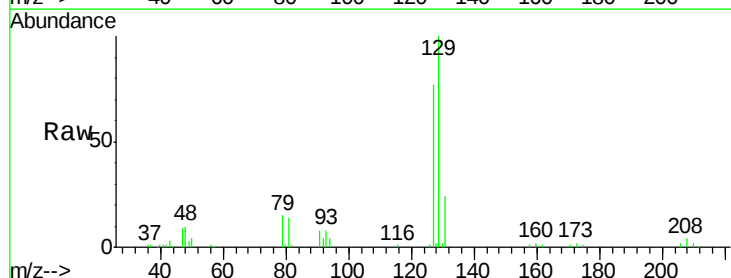
Acq: 12 Apr 2019 13:17

Tgt Ion:129 Resp: 160833

Ion Ratio Lower Upper

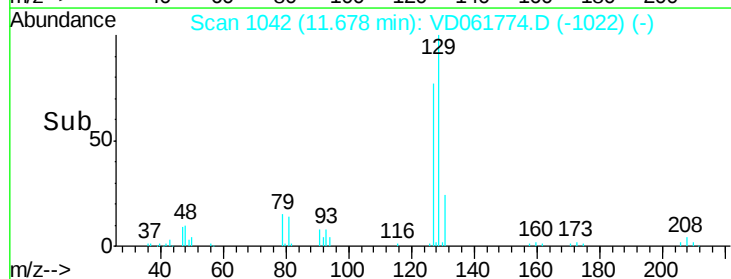
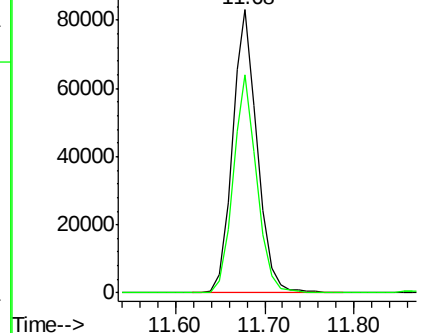
129 100

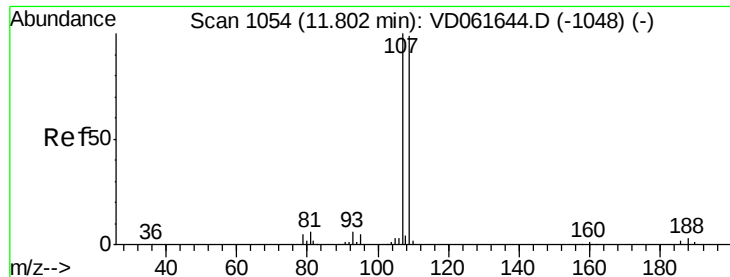
127 77.2 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

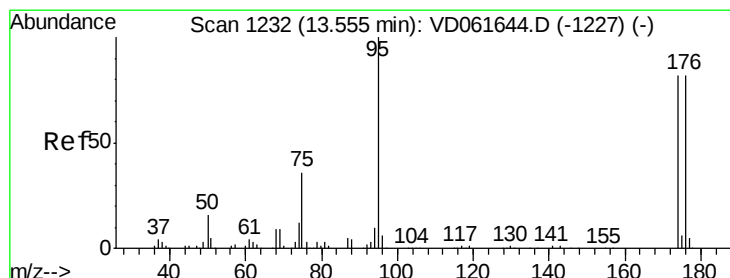
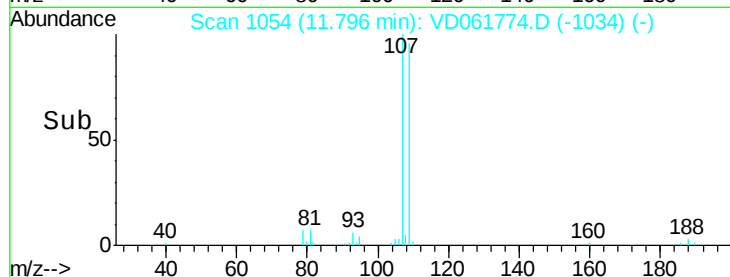
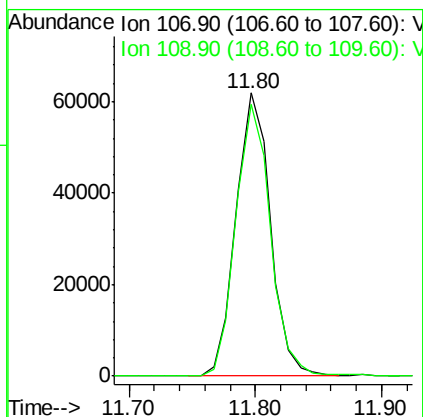
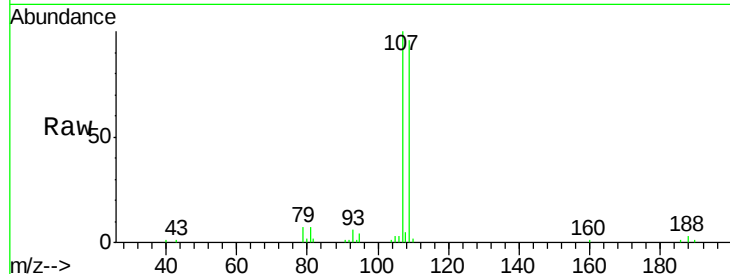




#61
 1,2-Dibromoethane
 Concen: 22.348 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

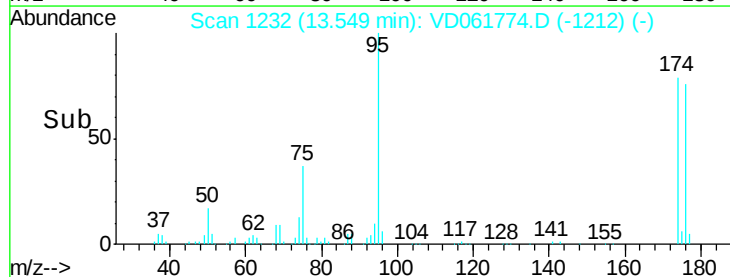
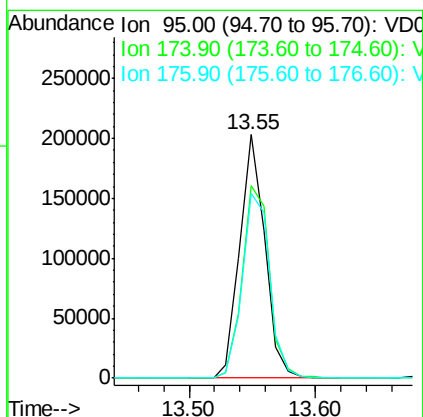
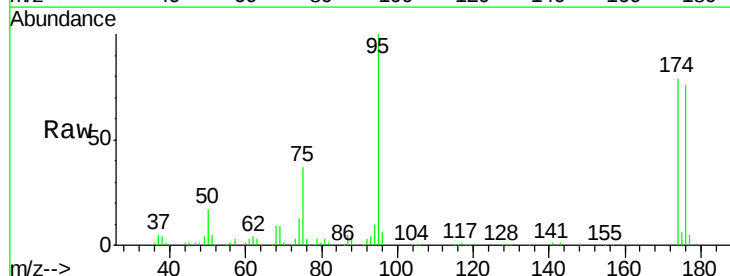
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBSD01

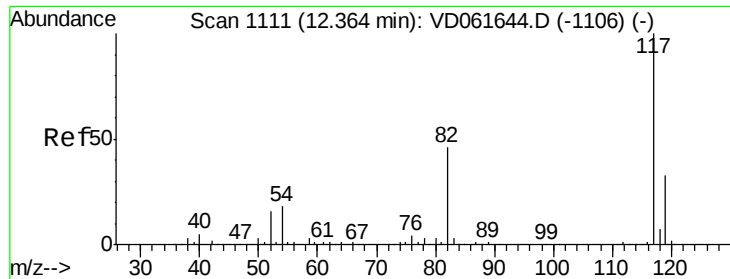
Tot Ion:107 Resp: 117070
 Ion Ratio Lower Upper
 107 100
 109 96.2 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 22.348 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion: 95 Resp: 278227
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 164.6
 176 75.9 0.0 165.0

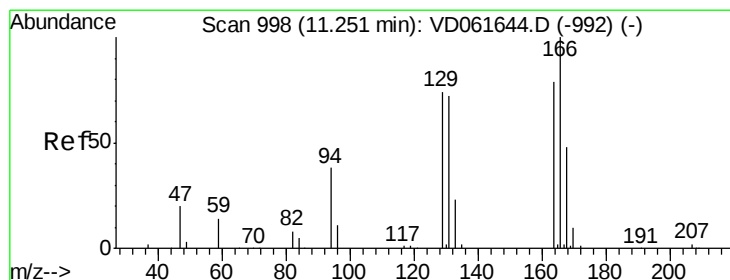
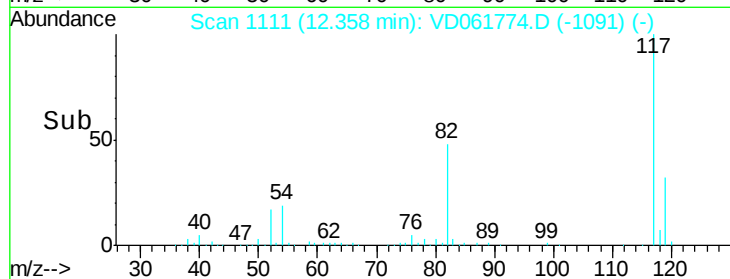
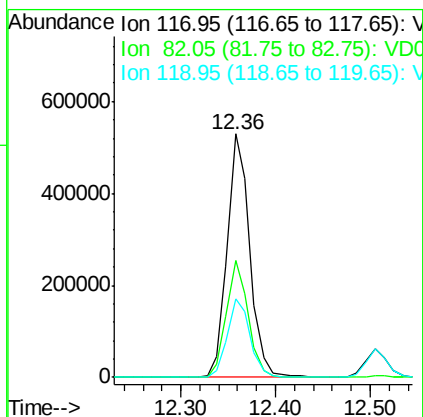
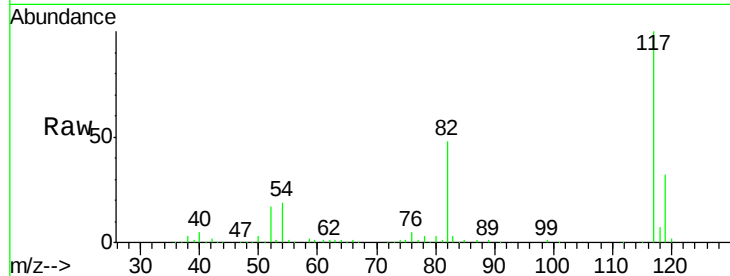




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

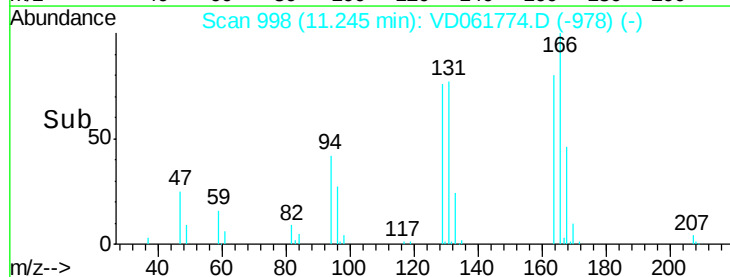
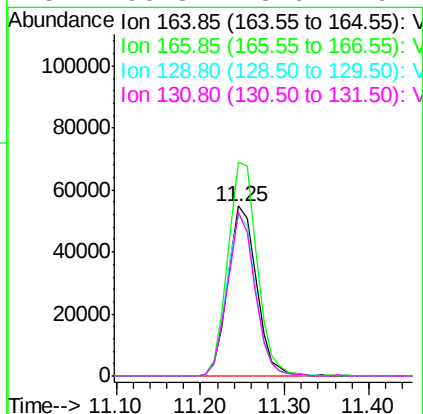
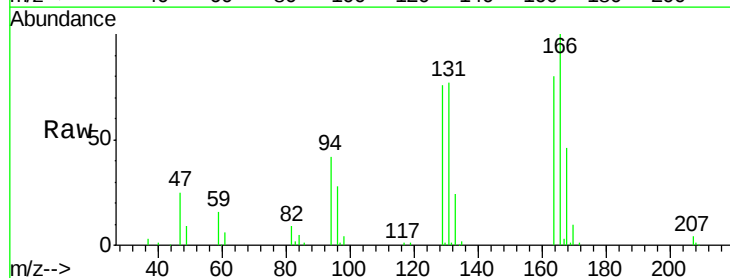
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

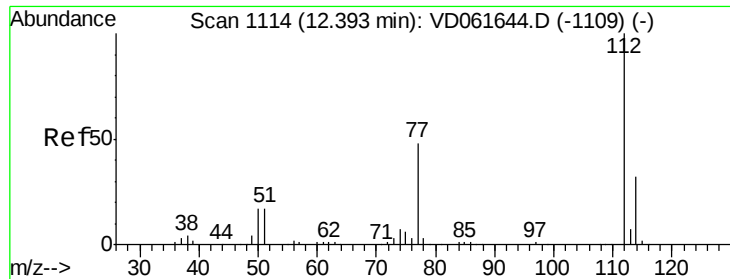
Tot Ion:117 Resp: 873067
Ion Ratio Lower Upper
117 100
82 47.9 36.8 55.2
119 32.4 26.1 39.1



#64
Tetrachloroethene
Concen: 19.251 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion:164 Resp: 130465
Ion Ratio Lower Upper
164 100
166 125.5 101.8 152.8
129 95.0 75.4 113.0
131 96.3 73.6 110.4

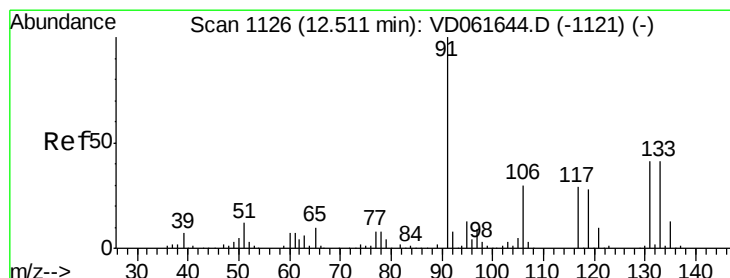
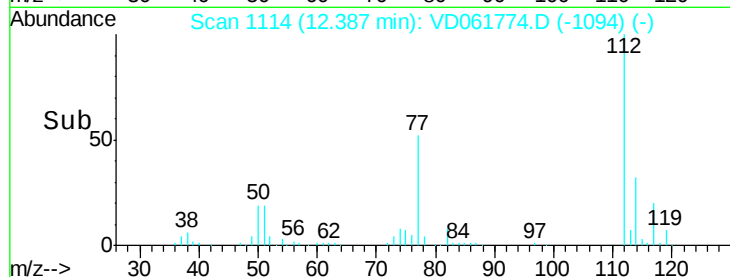
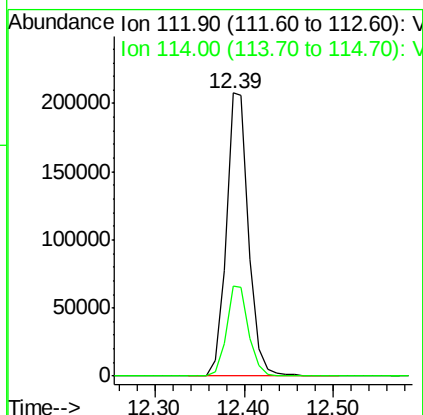
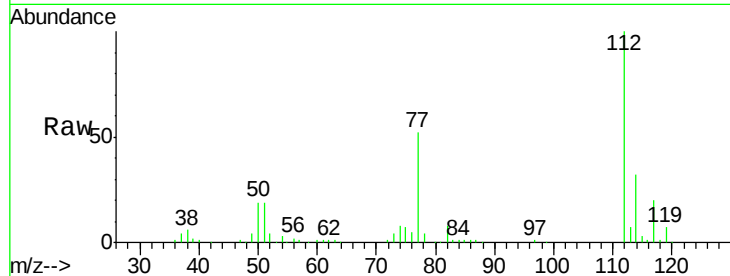




#65
Chlorobenzene
Concen: 21.179 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

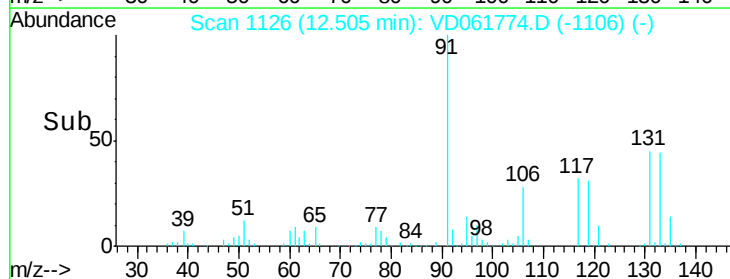
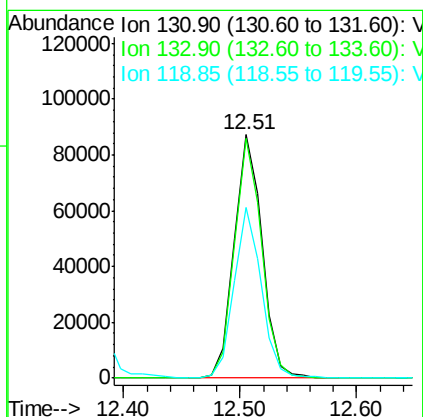
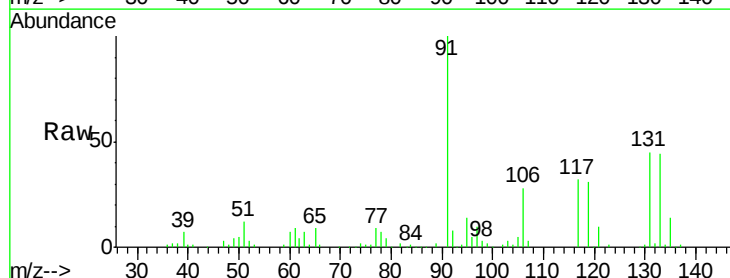
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

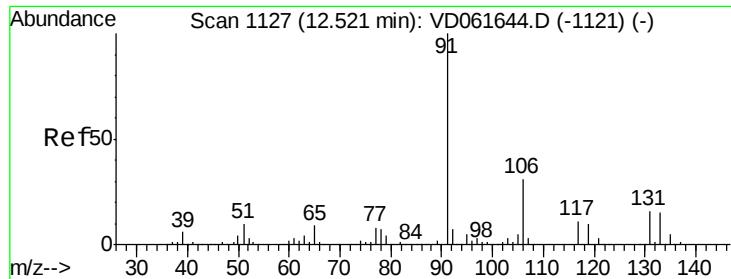
Tot Ion:112 Resp: 366686
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.788 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion:131 Resp: 145159
Ion Ratio Lower Upper
131 100
133 98.7 49.5 148.3
119 70.2 34.7 104.1

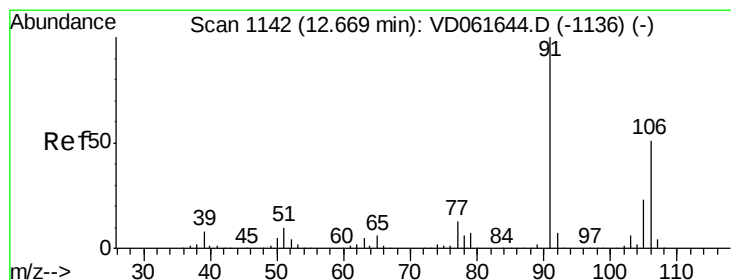
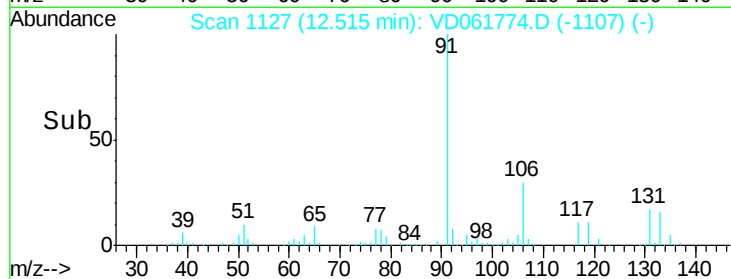
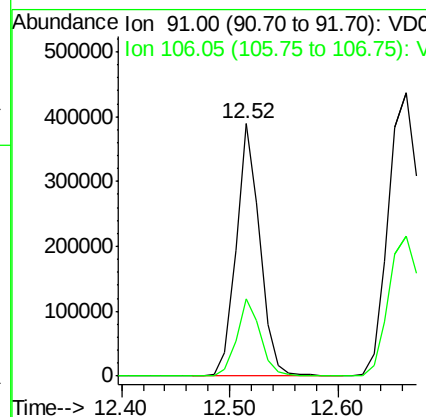
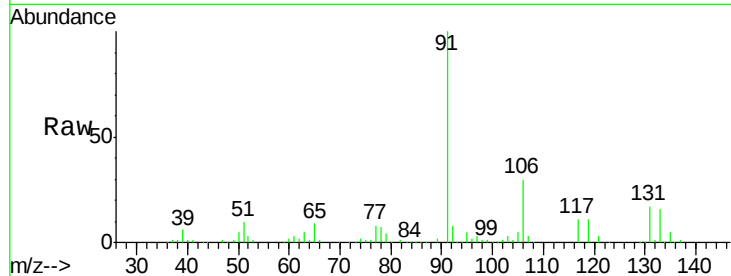




#67
Ethyl Benzene
Concen: 22.425 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

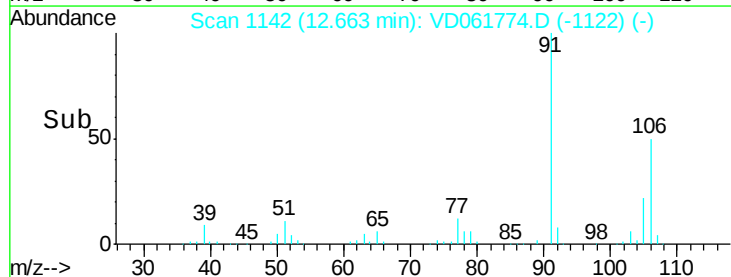
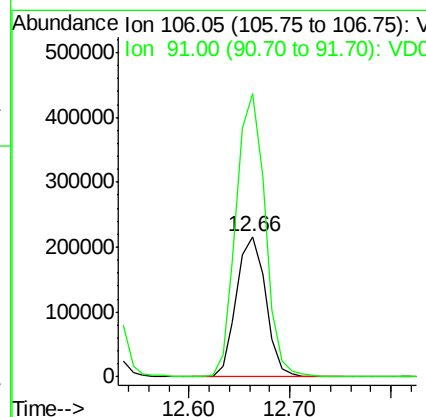
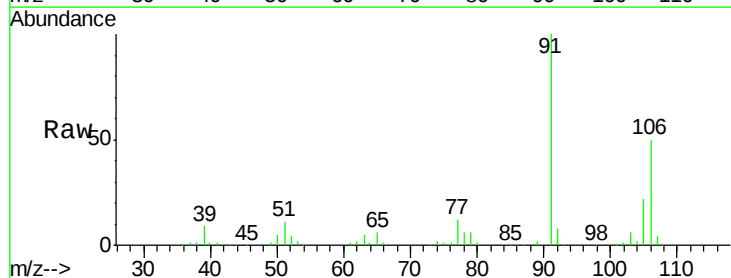
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

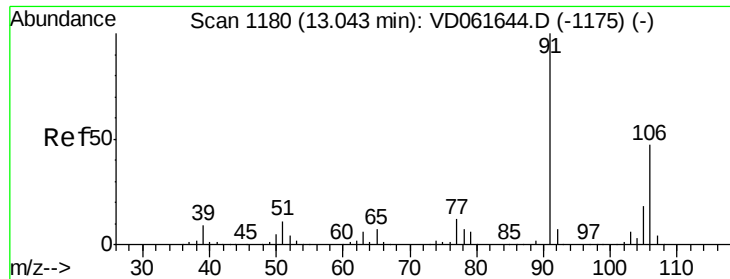
Tot Ion: 91 Resp: 591234
Ion Ratio Lower Upper
91 100
106 30.5 24.6 37.0



#68
m/p-Xylenes
Concen: 43.132 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 106 Resp: 438420
Ion Ratio Lower Upper
106 100
91 201.4 156.7 235.1

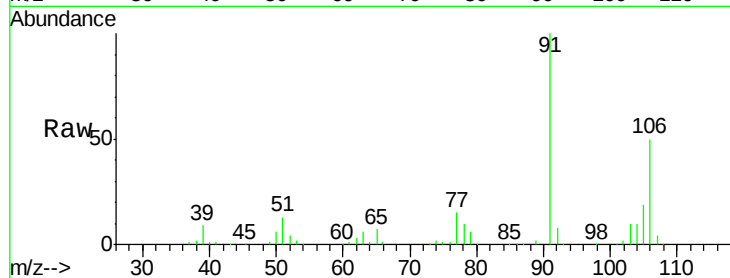




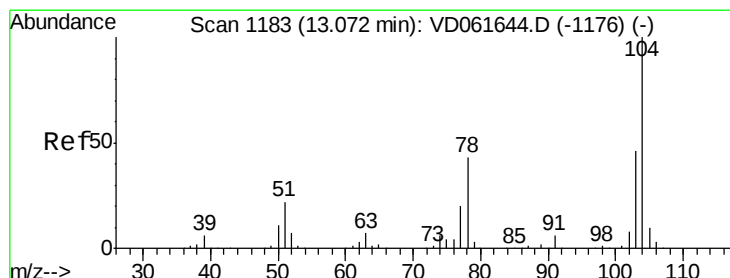
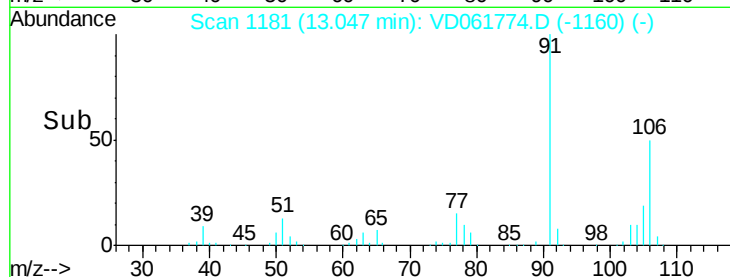
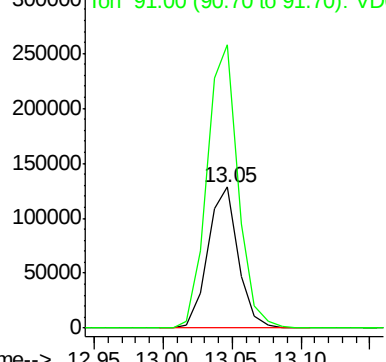
#69
o-Xylene
Concen: 20.146 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion:106 Resp: 197665
Ion Ratio Lower Upper
106 100
91 200.5 107.3 321.9

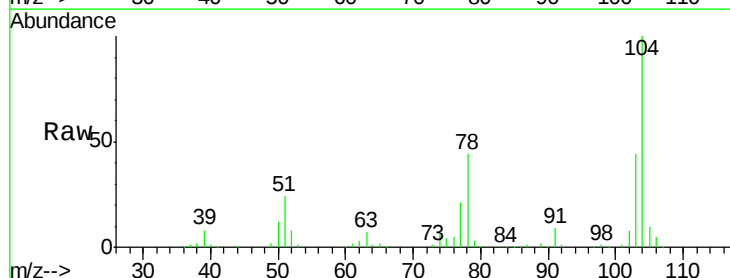


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

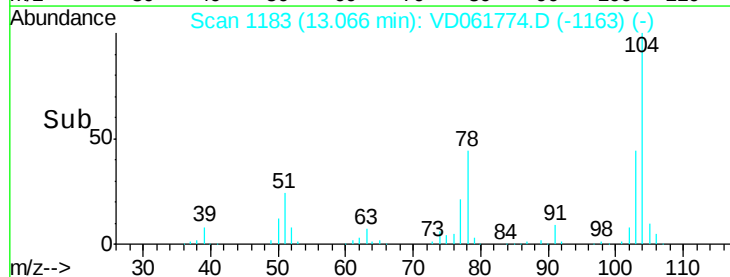
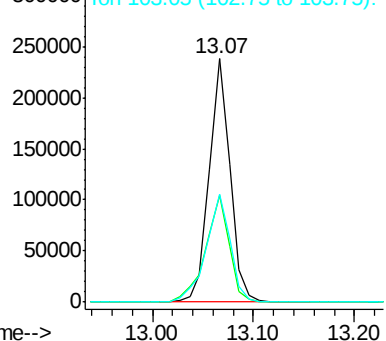


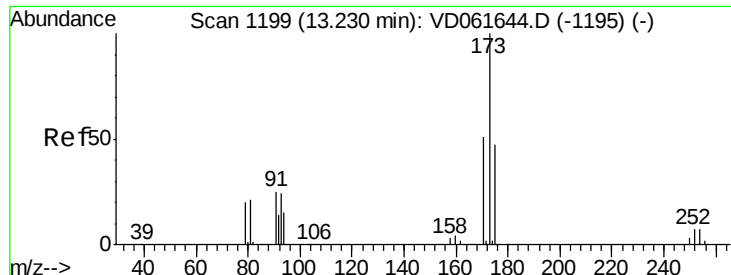
#70
Styrene
Concen: 20.291 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion:104 Resp: 340005
Ion Ratio Lower Upper
104 100
78 44.0 34.2 51.4
103 44.5 37.2 55.8



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

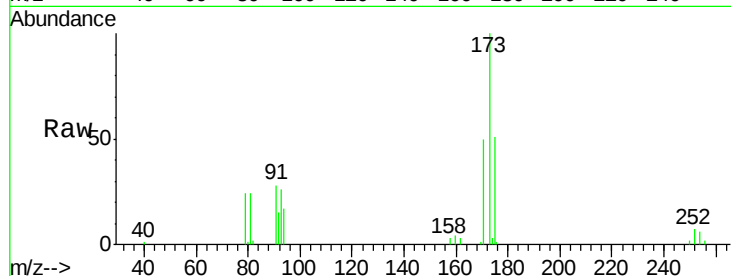




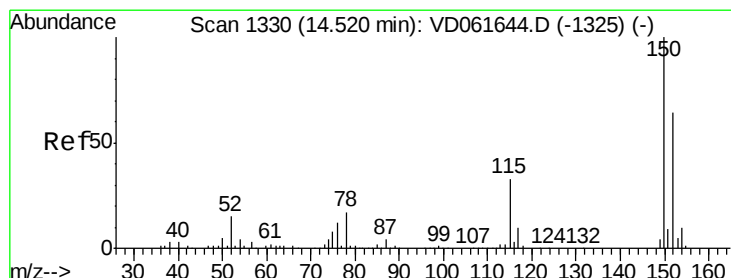
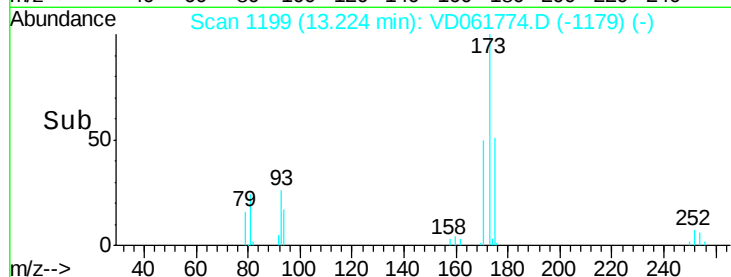
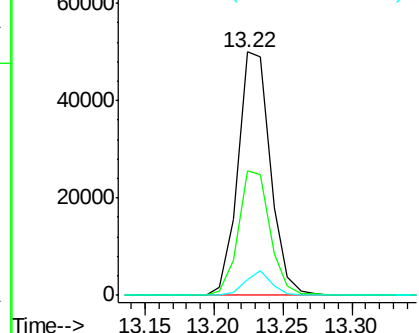
#71
Bromoform
Concen: 19.864 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

Tot Ion:173 Resp: 82114
Ion Ratio Lower Upper
173 100
175 51.4 23.7 71.1
254 6.4 5.8 8.6

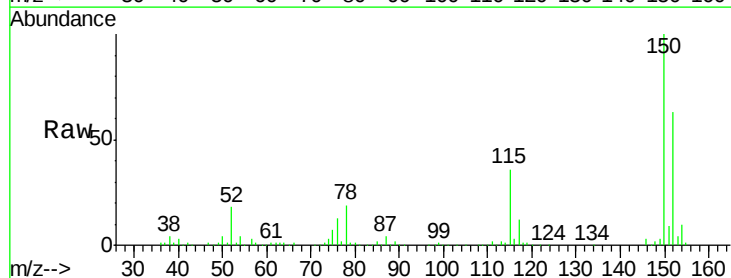


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

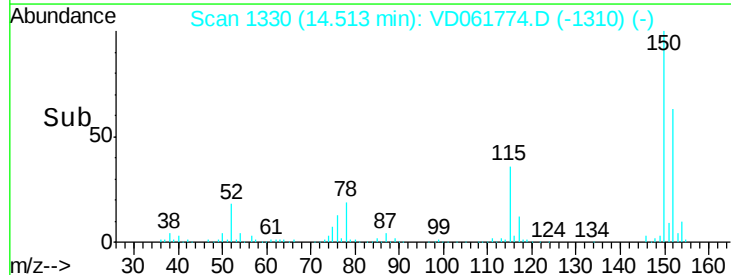
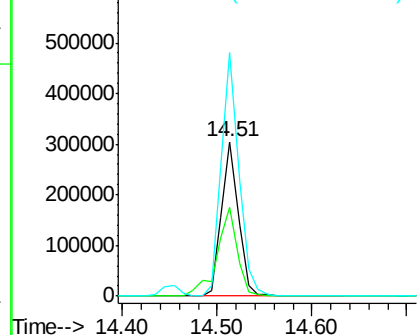


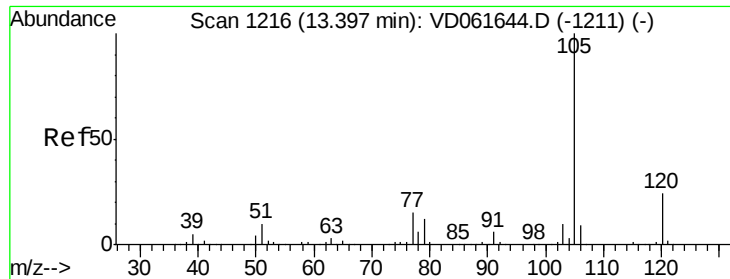
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion:152 Resp: 379240
Ion Ratio Lower Upper
152 100
115 57.5 26.4 79.2
150 157.5 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: 22.696 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

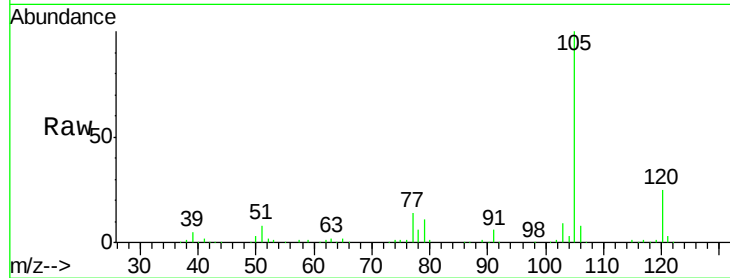
VD0412SBSD01

Tot Ion:105 Resp: 573500

Ion Ratio Lower Upper

105 100

120 25.0 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

400000

300000

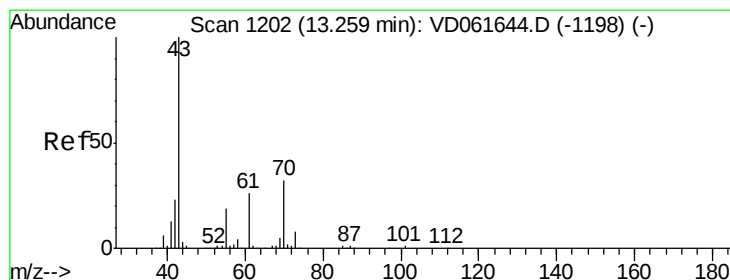
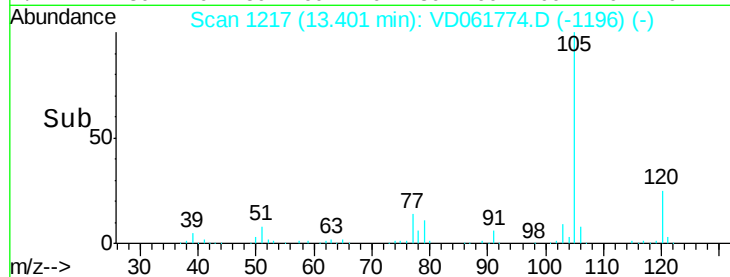
200000

100000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 21.460 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Tgt Ion: 43 Resp: 147337

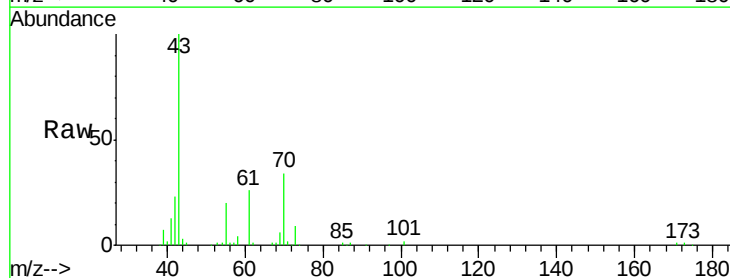
Ion Ratio Lower Upper

43 100

70 33.6 25.4 38.2

55 19.5 15.0 22.4

61 25.9 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

150000

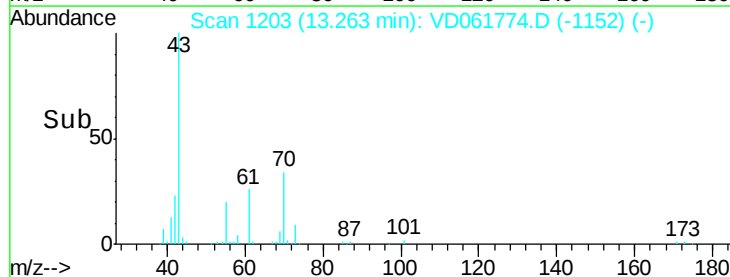
100000

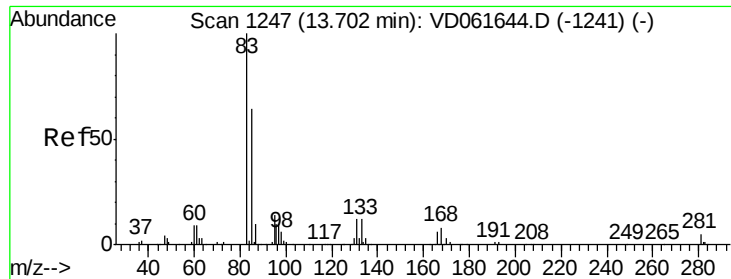
50000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.424 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBSD01

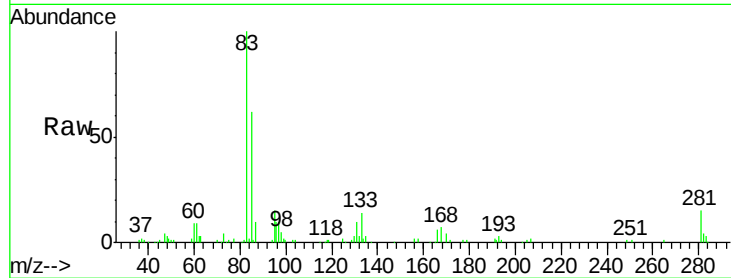
Tot Ion: 83 Resp: 111938

Ion Ratio Lower Upper

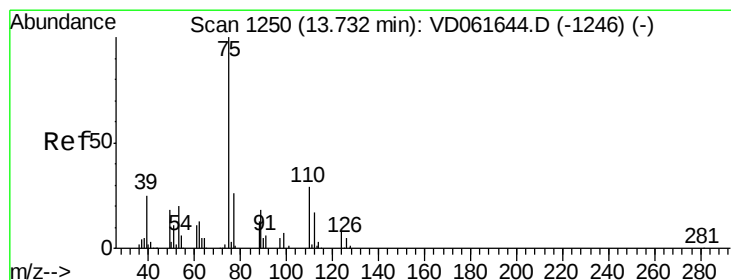
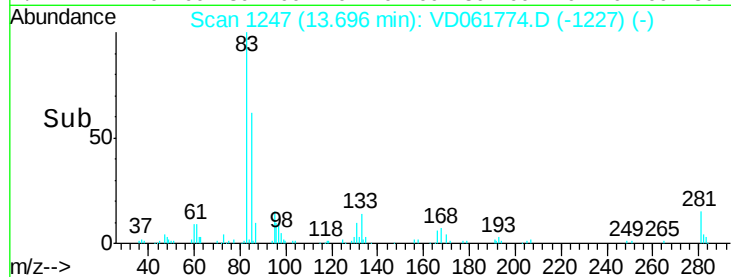
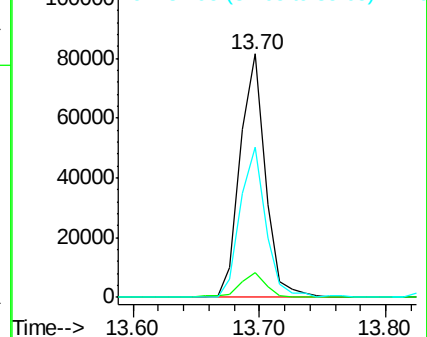
83 100

131 9.9 5.9 17.6

85 61.9 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: 21.060 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061774.D

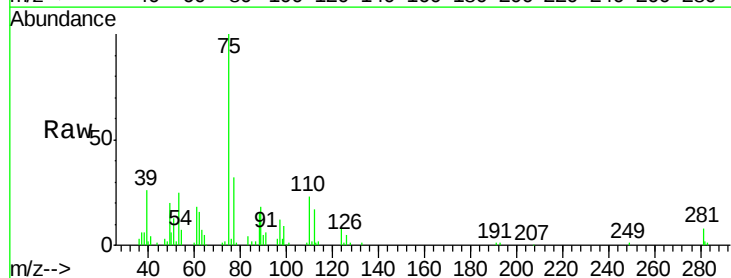
Acq: 12 Apr 2019 13:17

Tgt Ion: 75 Resp: 108661

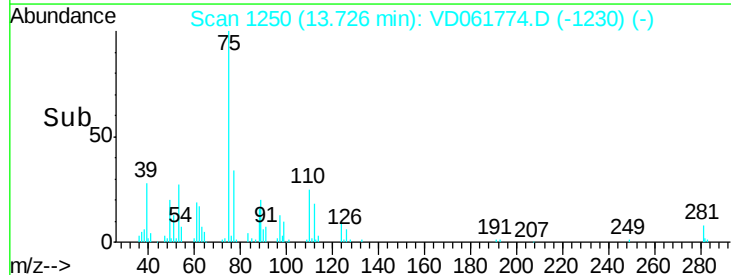
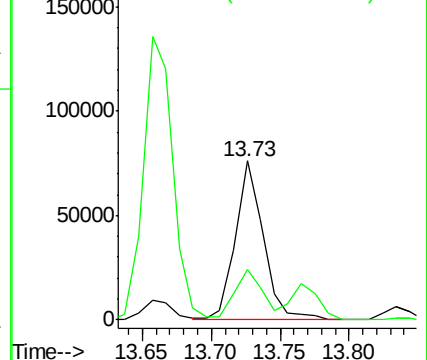
Ion Ratio Lower Upper

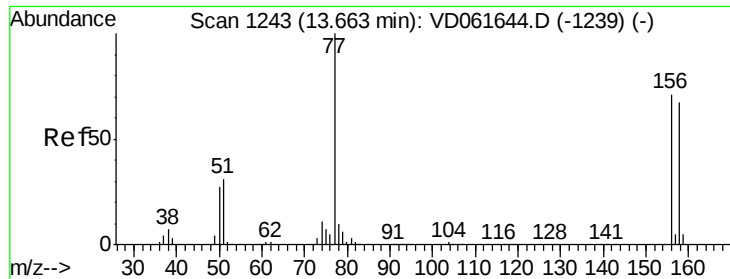
75 100

77 31.9 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: 22.225 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

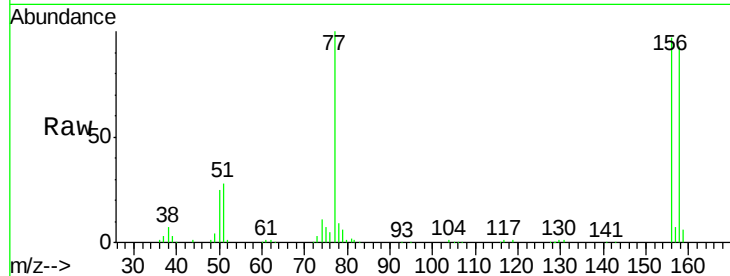
Tot Ion:156 Resp: 163015

Ion Ratio Lower Upper

156 100

77 102.6 70.3 210.8

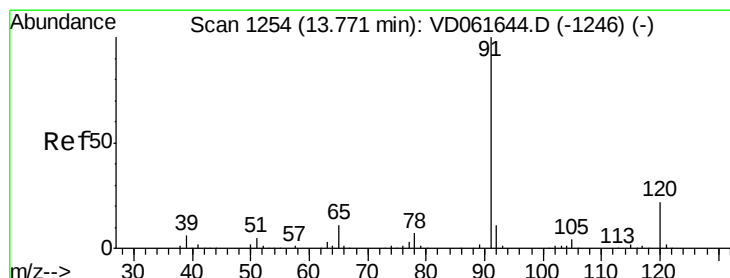
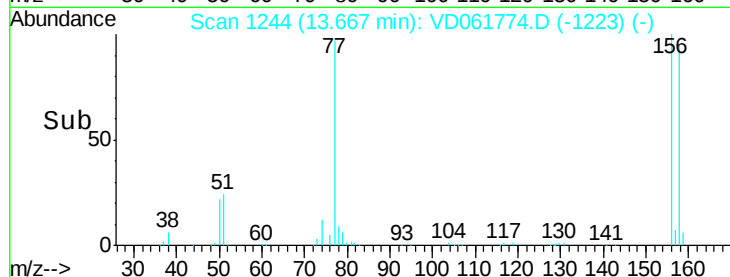
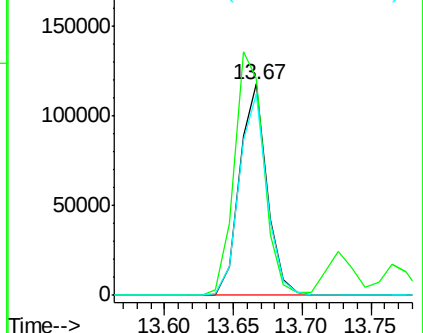
158 95.5 47.4 142.2



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: 22.044 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061774.D

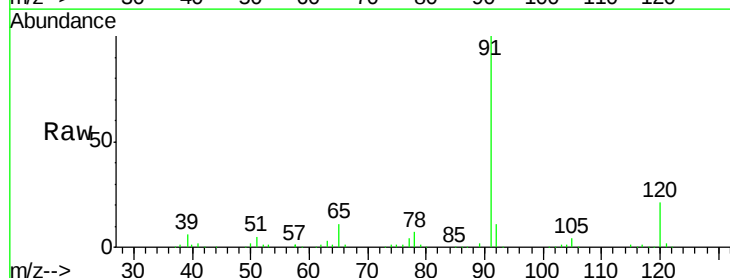
Acq: 12 Apr 2019 13:17

Tgt Ion: 91 Resp: 666319

Ion Ratio Lower Upper

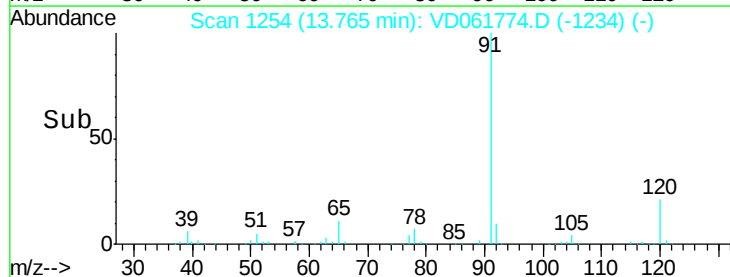
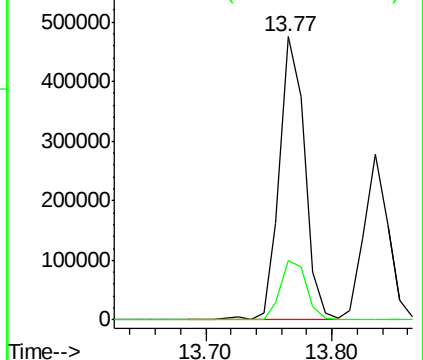
91 100

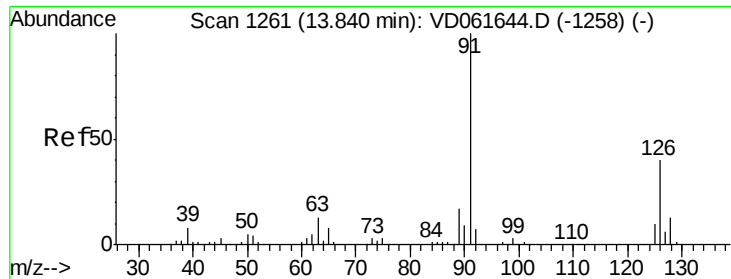
120 21.0 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

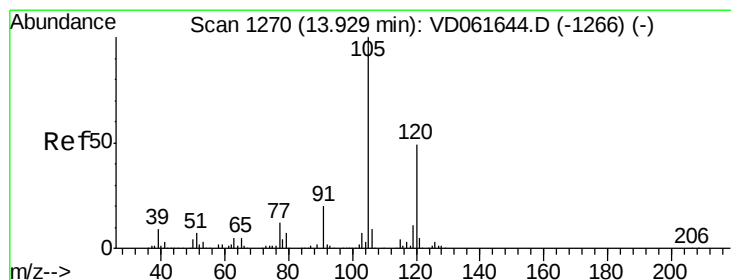
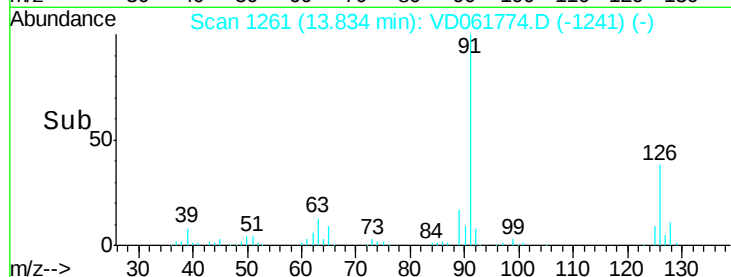
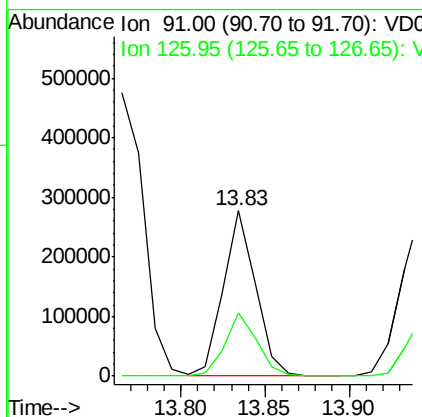
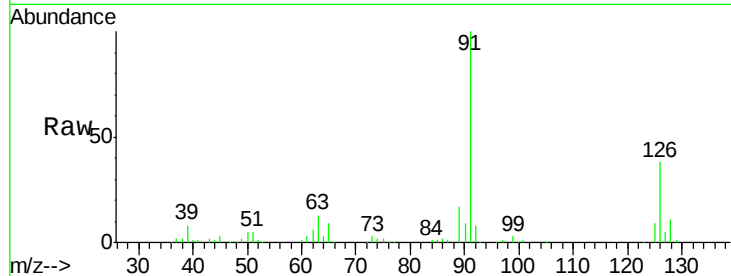




#79
 2-Chlorotoluene
 Concen: 21.378 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

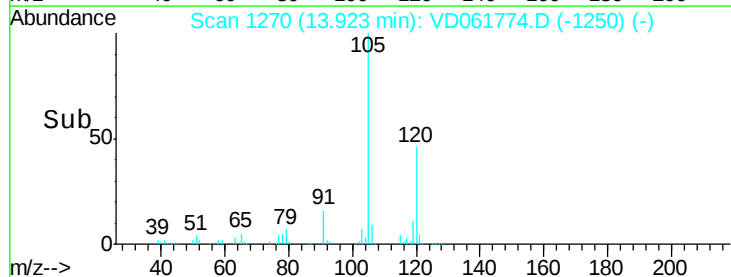
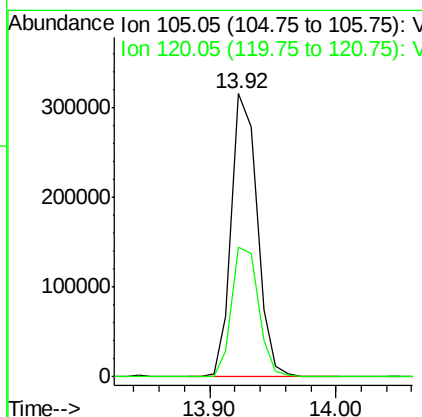
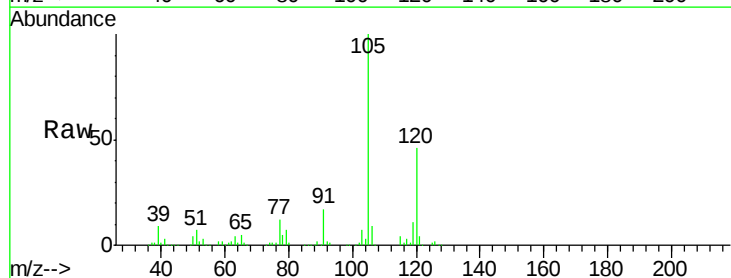
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

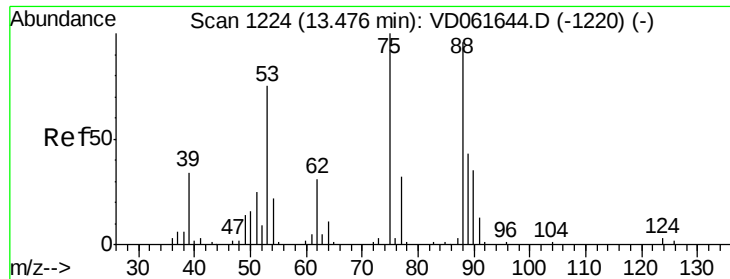
Tot Ion: 91 Resp: 369529
 Ion Ratio Lower Upper
 91 100
 126 38.2 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 22.270 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion: 105 Resp: 446650
 Ion Ratio Lower Upper
 105 100
 120 46.0 24.4 73.2

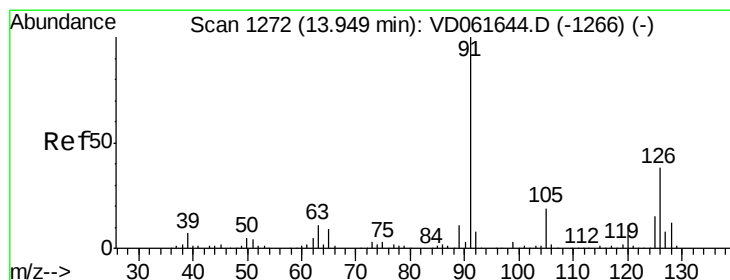
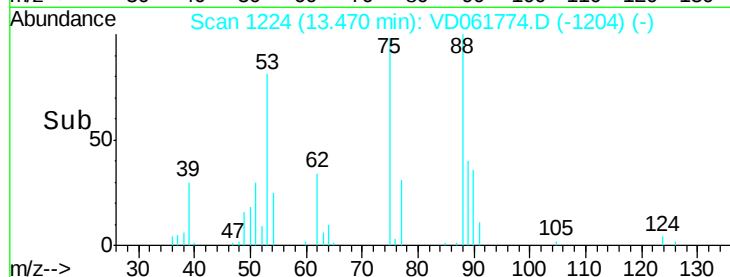
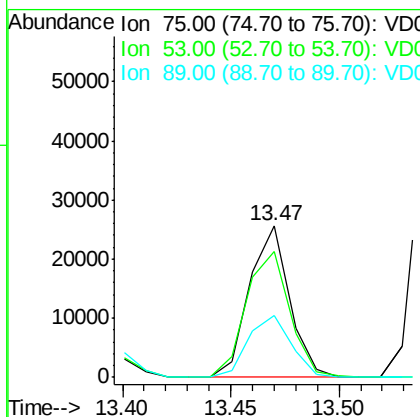
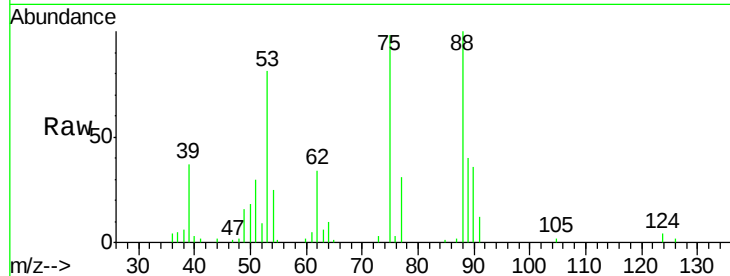




#81
trans-1,4-Dichloro-2-butene
Concen: 21.171 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

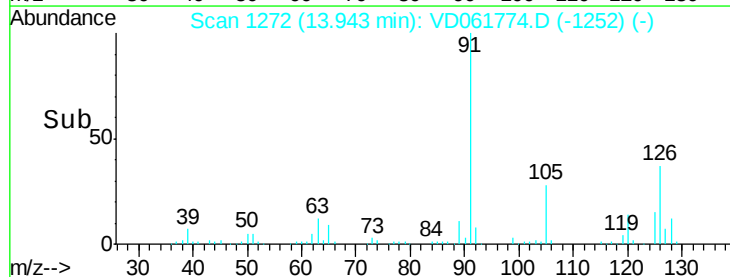
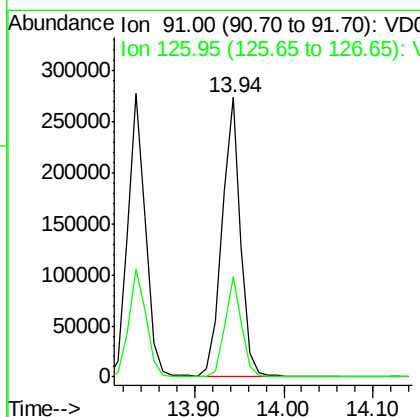
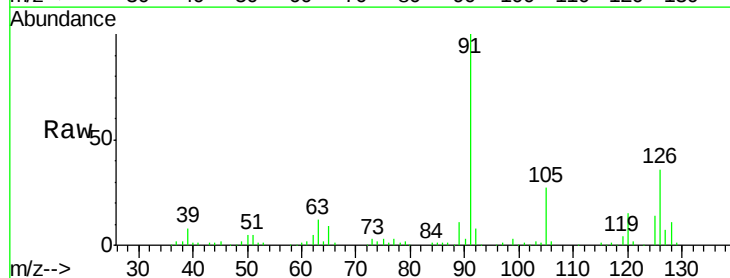
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

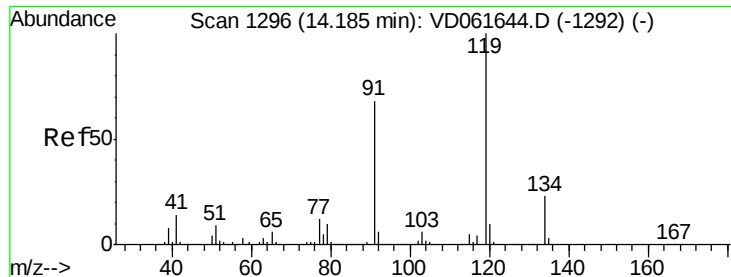
Tot Ion: 75 Resp: 33147
Ion Ratio Lower Upper
75 100
53 82.6 60.2 90.2
89 40.6 34.2 51.2



#82
4-Chlorotoluene
Concen: 21.046 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion: 91 Resp: 398627
Ion Ratio Lower Upper
91 100
126 35.8 19.0 57.0

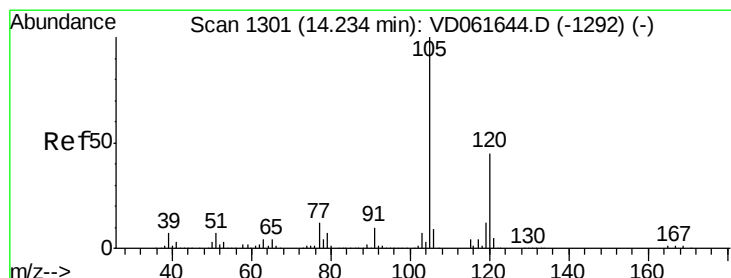
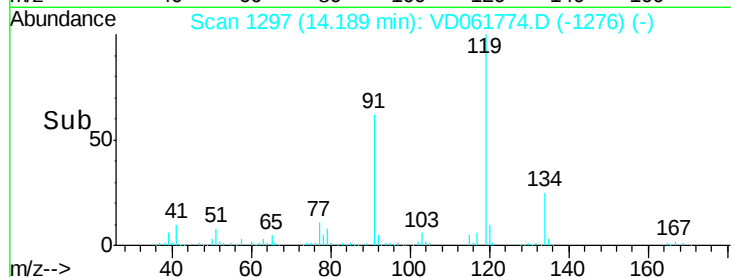
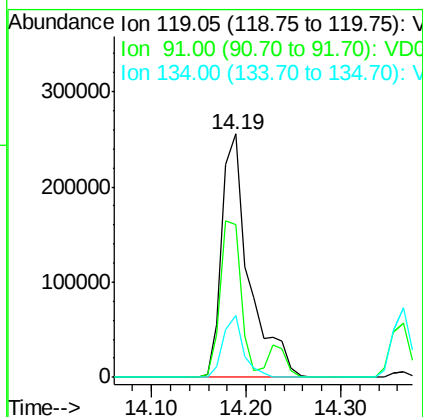
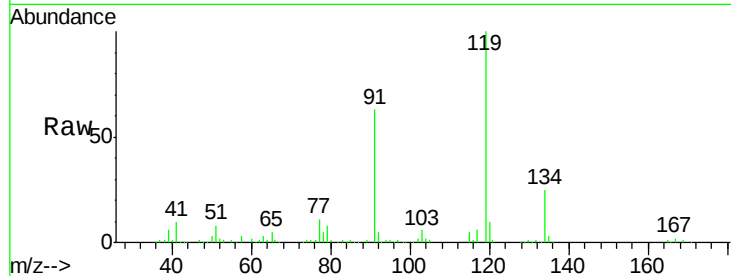




#83
tert-Butylbenzene
Concen: 21.280 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

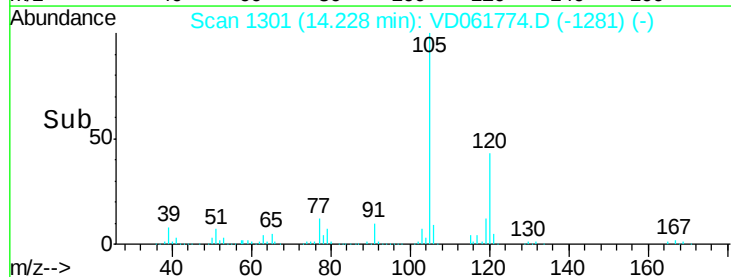
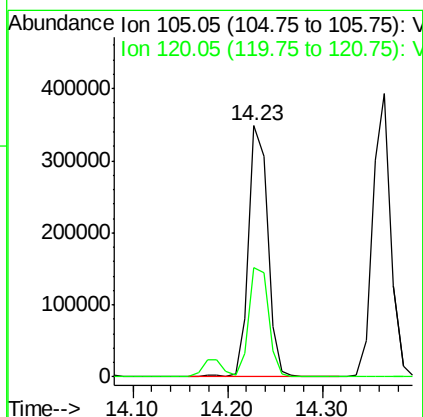
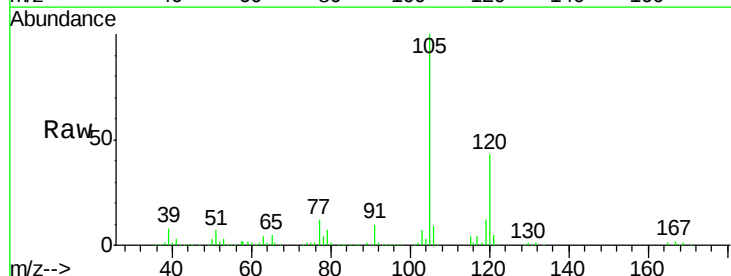
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

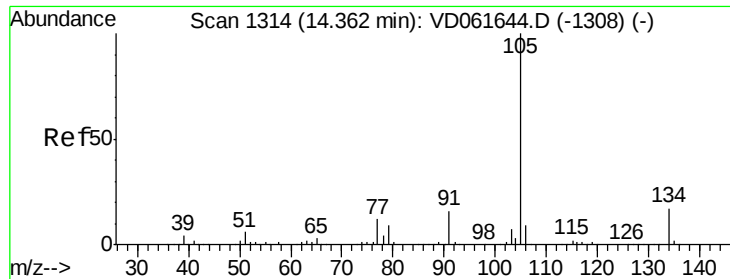
Tot Ion:119 Resp: 514603
Ion Ratio Lower Upper
119 100
91 62.7 33.9 101.6
134 25.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 24.127 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion:105 Resp: 488383
Ion Ratio Lower Upper
105 100
120 43.4 22.6 67.8





#85

sec-Butylbenzene

Concen: 20.270 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

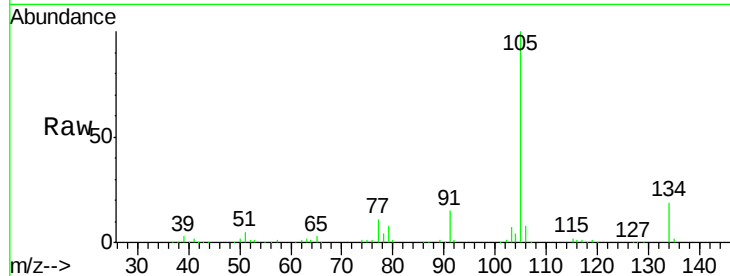
VD0412SBS01

Tot Ion:105 Resp: 529582

Ion Ratio Lower Upper

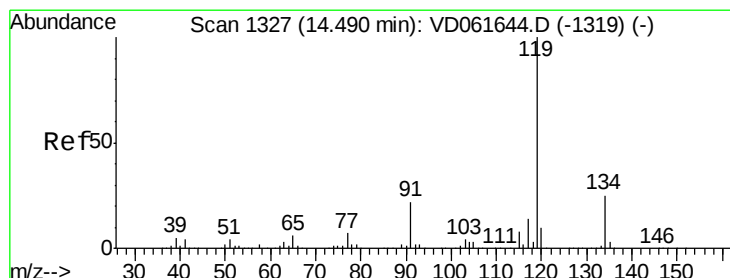
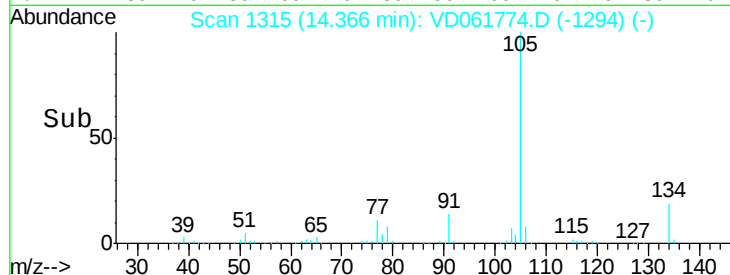
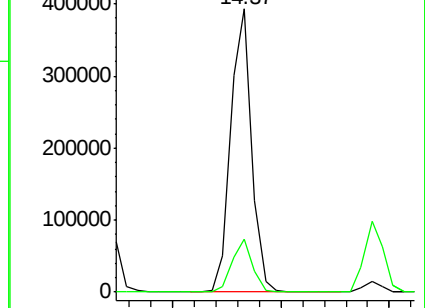
105 100

134 18.7 8.6 25.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.463 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD061774.D

Acq: 12 Apr 2019 13:17

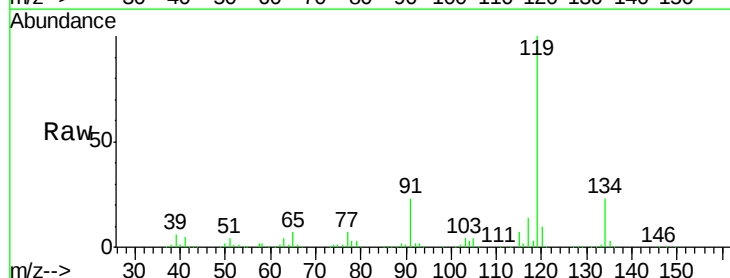
Tgt Ion:119 Resp: 509123

Ion Ratio Lower Upper

119 100

134 23.2 12.5 37.5

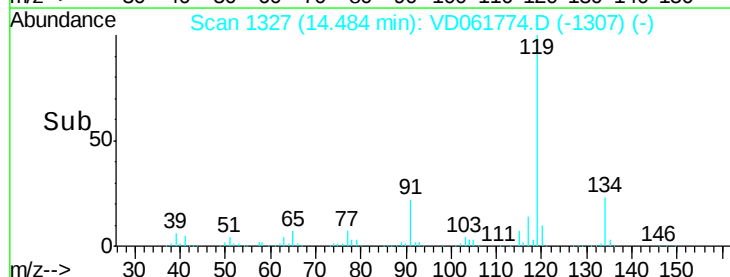
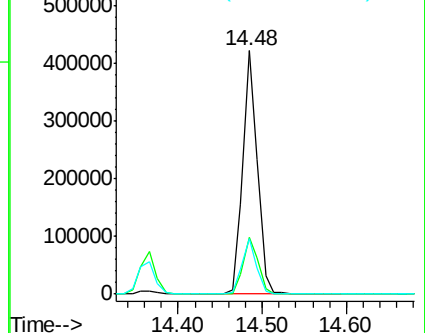
91 22.6 11.0 33.0

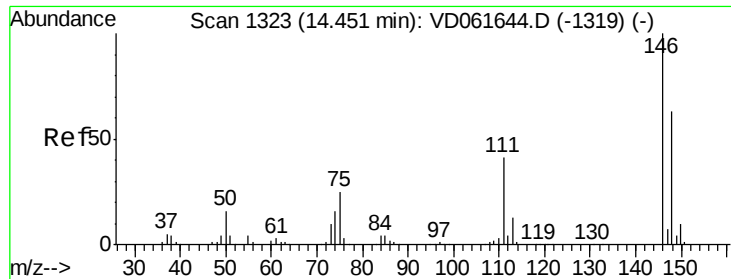


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

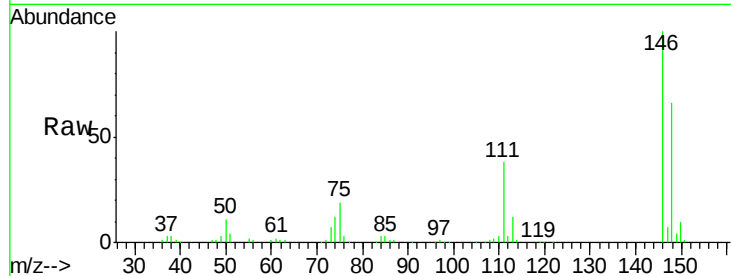




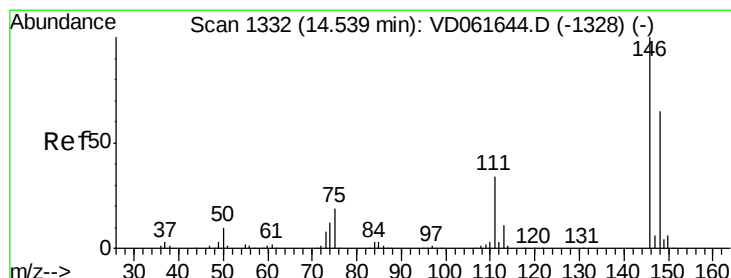
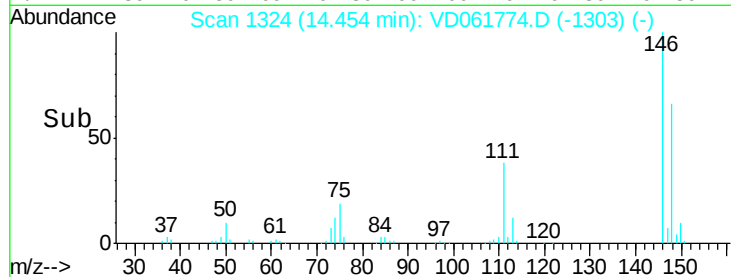
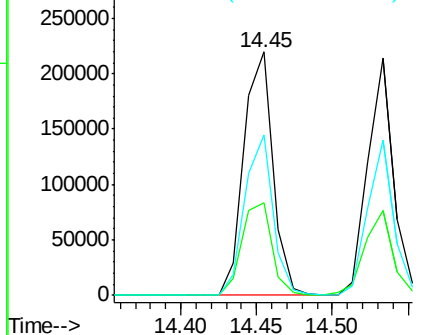
#87
 1,3-Dichlorobenzene
 Concen: 23.352 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBSD01

Tot Ion:146 Resp: 294775
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.3 61.0
 148 66.1 31.7 95.1

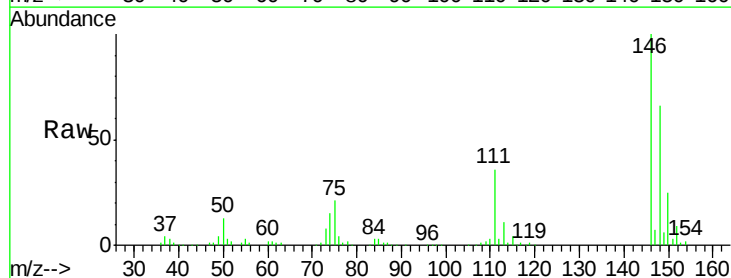


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

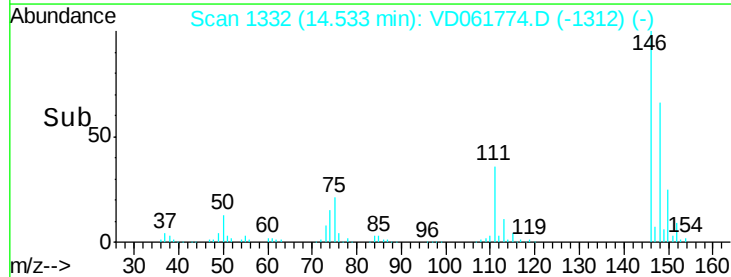
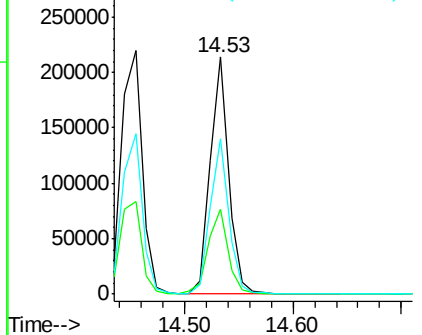


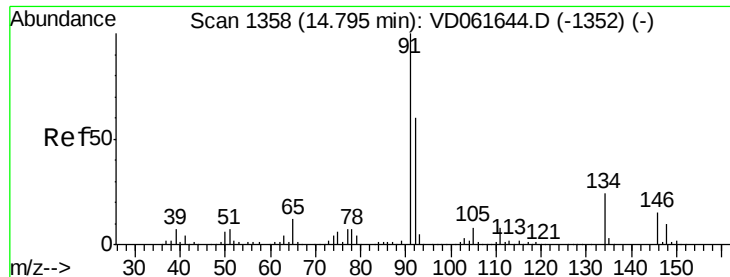
#88
 1,4-Dichlorobenzene
 Concen: 20.057 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion:146 Resp: 255455
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.1 51.2
 148 65.7 32.6 97.7



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

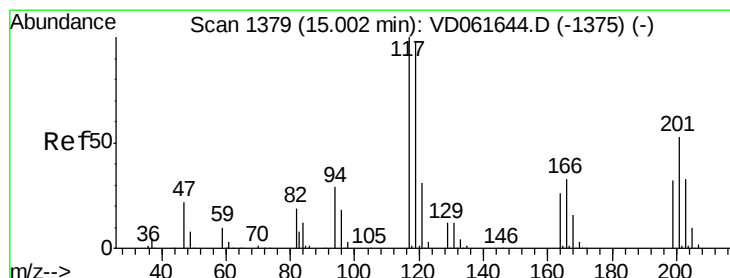
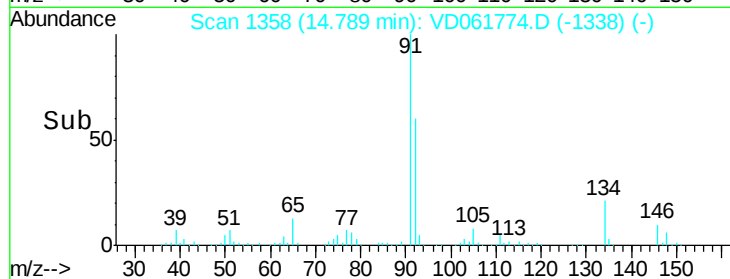
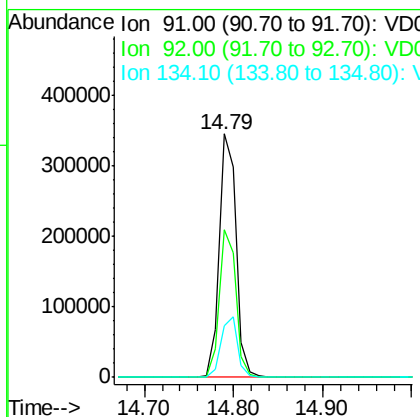
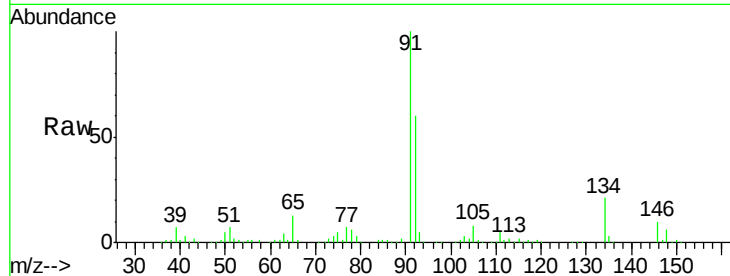




#89
n-Butylbenzene
Concen: 23.433 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

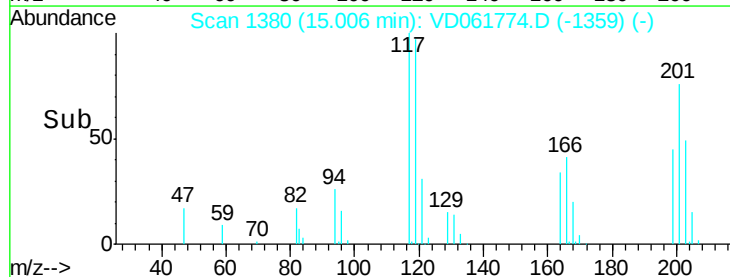
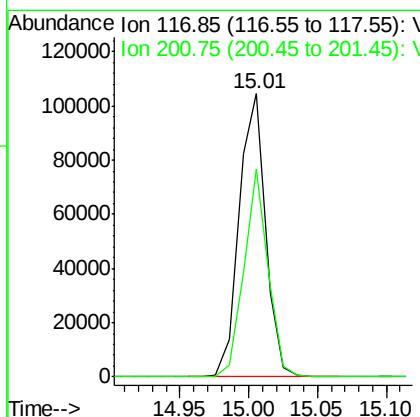
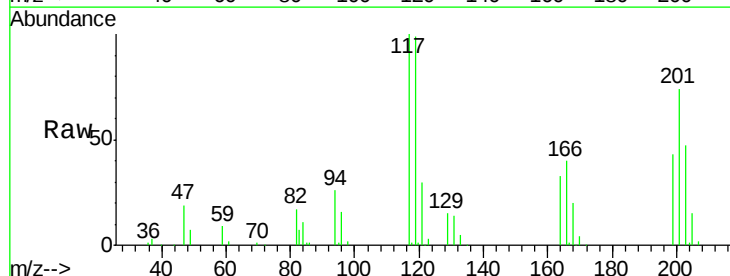
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

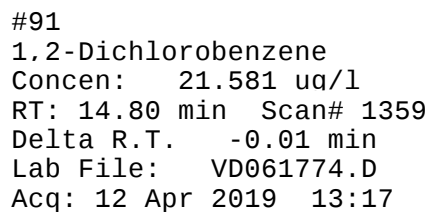
Tot Ion: 91 Resp: 461646
Ion Ratio Lower Upper
91 100
92 60.4 29.8 89.4
134 21.4 12.2 36.4



#90
Hexachloroethane
Concen: 22.693 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

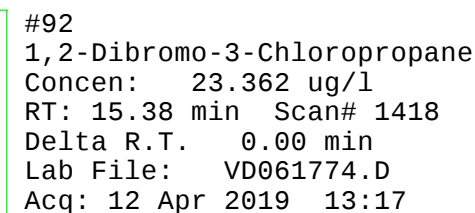
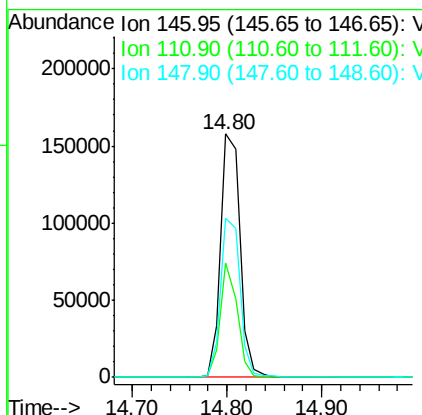
Tgt Ion: 117 Resp: 139558
Ion Ratio Lower Upper
117 100
201 73.6 26.3 78.8



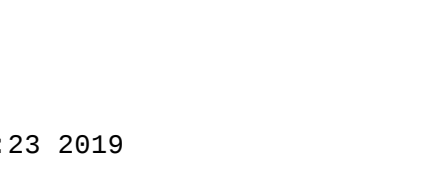
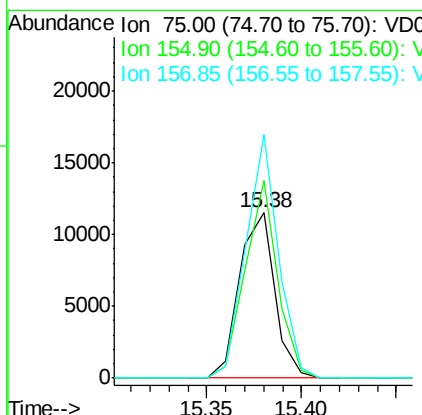


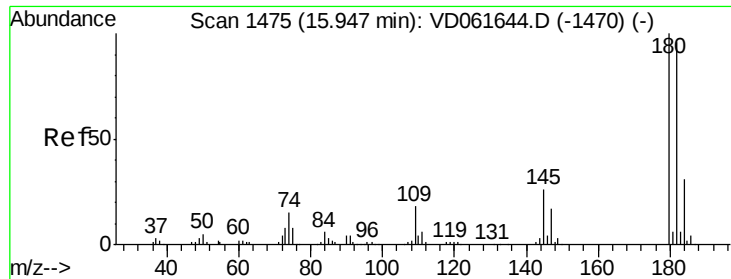
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

Tqt	Ion:146	Resp:	224525
Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.1	63.3
148	65.6	31.7	95.1



Tgt	Ion: 75	Resp:	14730
Ion	Ratio	Lower	Upper
75	100		
155	119.0	45.6	136.7
157	147.2	61.4	184.2

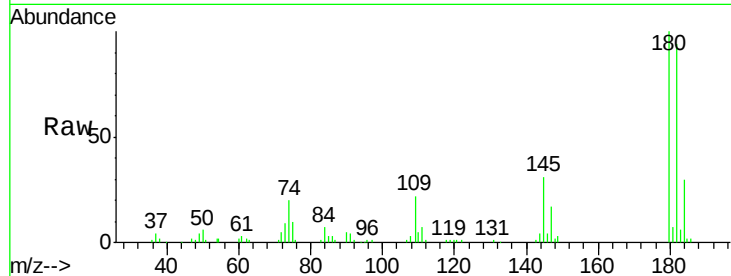




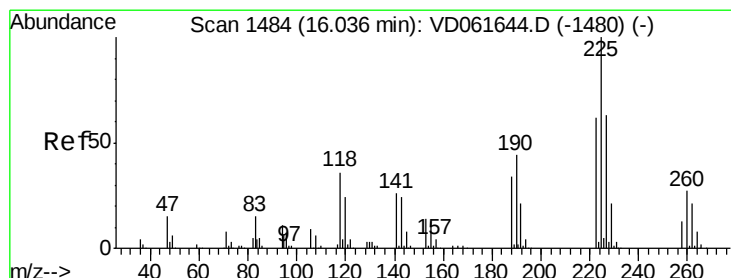
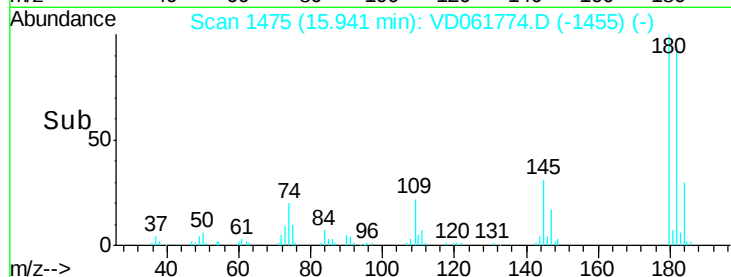
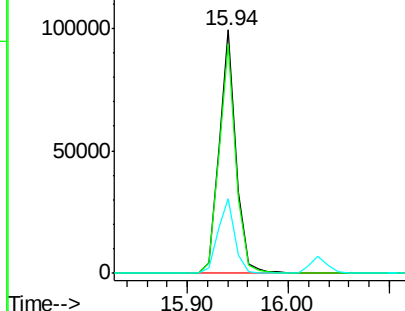
#93
 1,2,4-Trichlorobenzene
 Concen: 21.865 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBSD01

Tot Ion:180 Resp: 115894
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.8 143.3
 145 30.7 13.3 39.8

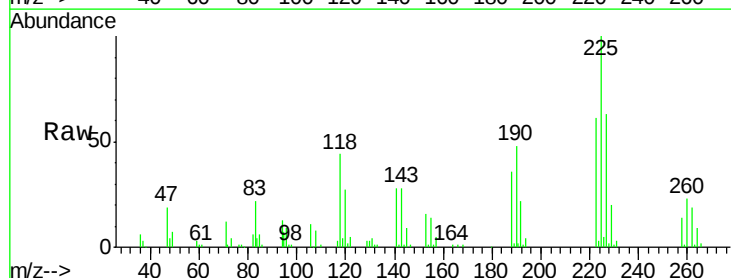


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

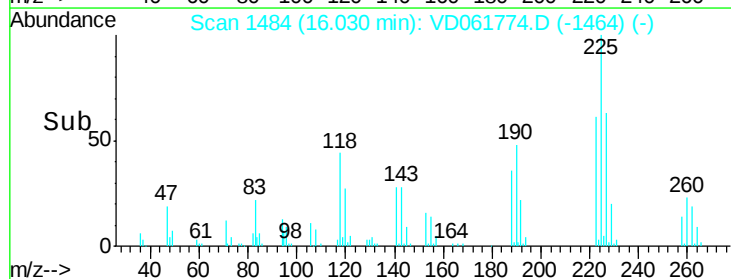
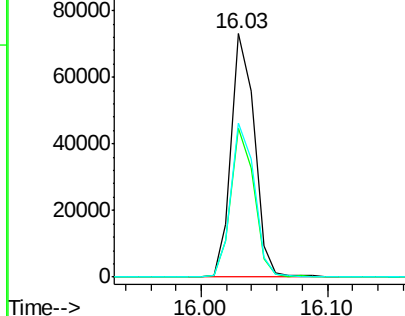


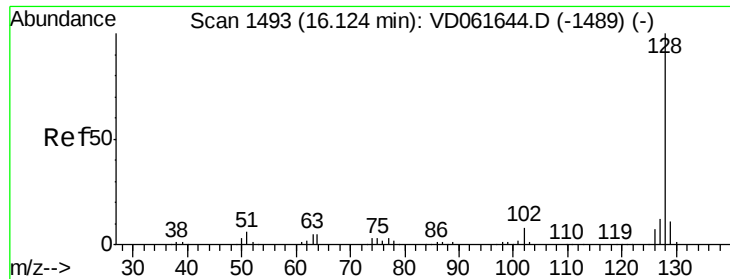
#94
 Hexachlorobutadiene
 Concen: 22.791 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061774.D
 Acq: 12 Apr 2019 13:17

Tgt Ion:225 Resp: 93278
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.8 92.3
 227 63.2 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

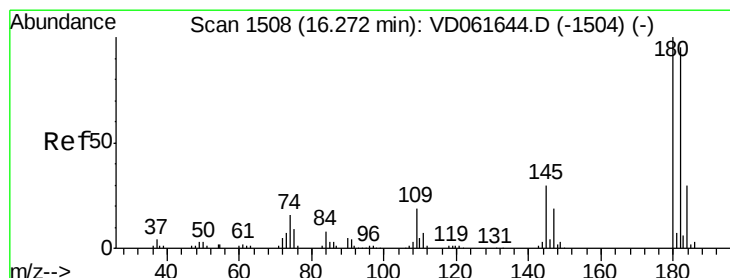
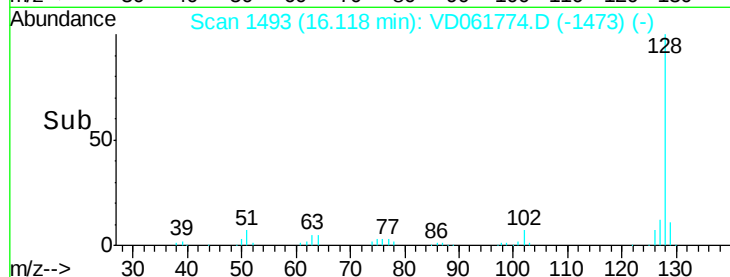
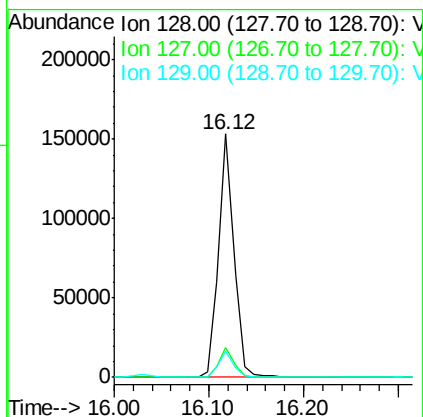
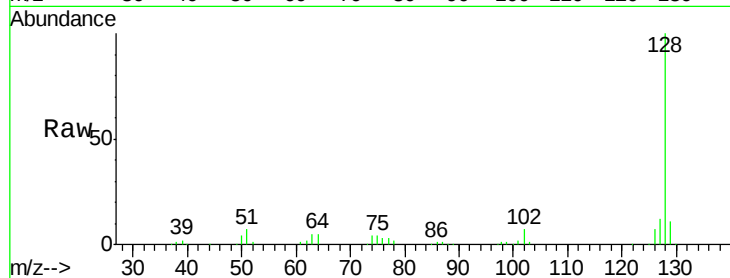




#95
Naphthalene
Concen: 20.805 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBSD01

Tot Ion:128 Resp: 174482
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.2
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 25.516 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD061774.D
Acq: 12 Apr 2019 13:17

Tgt Ion:180 Resp: 67499
Ion Ratio Lower Upper
180 100
182 94.7 47.3 142.0
145 32.1 15.1 45.3

