

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061645.D
 Acq On : 6 Apr 2019 16:35
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 08 08:13:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:53:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	740596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1224751	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	974578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	442943	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	258326	46.02	ug/l	-0.01
Spiked Amount			Recovery	=	92.04%	
35) Dibromofluoromethane	6.92	113	393190	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	10.40	98	969552	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
62) 4-Bromofluorobenzene	13.55	95	360966	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	387318	48.476	ug/l	99
3) Chloromethane	1.75	50	299769	46.428	ug/l	97
4) Vinyl Chloride	1.85	62	315003	52.212	ug/l	99
5) Bromomethane	2.14	94	75149	53.815	ug/l	96
6) Chloroethane	2.26	64	106691	56.460	ug/l	98
7) Trichlorofluoromethane	2.53	101	466518	51.213	ug/l	96
8) Diethyl Ether	2.86	74	139744	54.662	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	438710	48.986	ug/l	95
10) Methyl Iodide	3.30	142	677403	50.668	ug/l	97
11) Tert butyl alcohol	4.04	59	105365	280.061	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	389643	50.468	ug/l	97
13) Acrolein	3.03	56	103273	225.145	ug/l	96
14) Allyl chloride	3.61	41	546275	51.877	ug/l	100
15) Acrylonitrile	4.18	53	330694	255.346	ug/l	100
16) Acetone	3.21	43	417084	248.543	ug/l	99
17) Carbon Disulfide	3.37	76	1322519	52.718	ug/l	99
18) Methyl Acetate	3.63	43	162747	51.547	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	714400	53.440	ug/l	98
20) Methylene Chloride	3.81	84	413217	43.394	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	431883	51.504	ug/l	98
22) Diisopropyl ether	5.11	45	1132698	51.305	ug/l	99
23) Vinyl Acetate	5.05	43	3105390	254.914	ug/l	99
24) 1,1-Dichloroethane	4.98	63	657356	48.588	ug/l	99
25) 2-Butanone	6.05	43	498507	257.682	ug/l	97
26) 2,2-Dichloropropane	6.01	77	538787	48.909	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	442855	49.505	ug/l	96
28) Bromochloromethane	6.43	49	265339	53.167	ug/l	99
29) Tetrahydrofuran	6.45	42	247233	264.735	ug/l	99
30) Chloroform	6.65	83	725601	51.196	ug/l	98
31) Cyclohexane	6.95	56	549102	51.953	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	642334	51.718	ug/l	97
36) 1,1-Dichloropropene	7.14	75	500409	46.685	ug/l	97
37) Ethyl Acetate	6.17	43	222400	50.940	ug/l #	96
38) Carbon Tetrachloride	7.11	117	683676	54.422	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	536205	48.726	ug/l	99
40) Benzene	7.45	78	1364652	52.773	ug/l	99
41) Methacrylonitrile	6.43	41	274769	53.912	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	427544	52.573	ug/l	99
43) Isopropyl Acetate	9.23	43	338203	53.376	ug/l	96
44) Trichloroethene	8.53	130	507338	51.176	ug/l	95
45) 1,2-Dichloropropane	8.93	63	337747	52.667	ug/l	99
46) Dibromomethane	9.06	93	237634	51.848	ug/l	97
47) Bromodichloromethane	9.37	83	535666	53.214	ug/l	99
48) Methyl methacrylate	9.11	41	184315	50.464	ug/l	98
49) 1,4-Dioxane	9.06	88	43859	1087.903	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	1006287	268.542	ug/l	99
52) Toluene	10.50	92	831339	51.484	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	445703	50.512	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	580643	53.381	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	282463	51.866	ug/l	97
56) Ethyl methacrylate	11.03	69	307798	53.574	ug/l	98
57) 1,3-Dichloropropane	11.40	76	423977	53.160	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	692726	255.538	ug/l	98
59) 2-Hexanone	11.53	43	719032	247.248	ug/l	98
60) Dibromochloromethane	11.68	129	449724	52.267	ug/l	97
61) 1,2-Dibromoethane	11.80	107	341540	53.625	ug/l	99
64) Tetrachloroethene	11.25	164	385428	50.949	ug/l	96
65) Chlorobenzene	12.39	112	996851	51.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	410984	55.261	ug/l	96
67) Ethyl Benzene	12.52	91	1553202	52.774	ug/l	99
68) m/p-Xylenes	12.67	106	1160326	102.264	ug/l	100
69) o-Xylene	13.04	106	518132	47.307	ug/l	97
70) Styrene	13.07	104	928394	49.634	ug/l	98
71) Bromoform	13.23	173	259952	56.335	ug/l	99
73) Isopropylbenzene	13.40	105	1538910	52.142	ug/l	98
74) N-amyl acetate	13.26	43	442879	55.229	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	322749	52.888	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	310104	51.459	ug/l	97
77) Bromobenzene	13.66	156	429730	50.162	ug/l	94
78) n-propylbenzene	13.77	91	1618091	45.833	ug/l	99
79) 2-Chlorotoluene	13.84	91	1039010	51.464	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1182555	50.482	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	105789	57.850	ug/l	93
82) 4-Chlorotoluene	13.95	91	1126400	50.916	ug/l	97
83) tert-Butylbenzene	14.18	119	1477931	52.327	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1152090	48.730	ug/l	98
85) sec-Butylbenzene	14.36	105	1604383	52.576	ug/l	98
86) p-Isopropyltoluene	14.49	119	1378204	52.062	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	713340	48.384	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	752068	50.556	ug/l	95
89) n-Butylbenzene	14.79	91	1108897	48.193	ug/l	99
90) Hexachloroethane	15.00	117	368151	51.253	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	622455	51.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	42628	57.886	ug/l	94

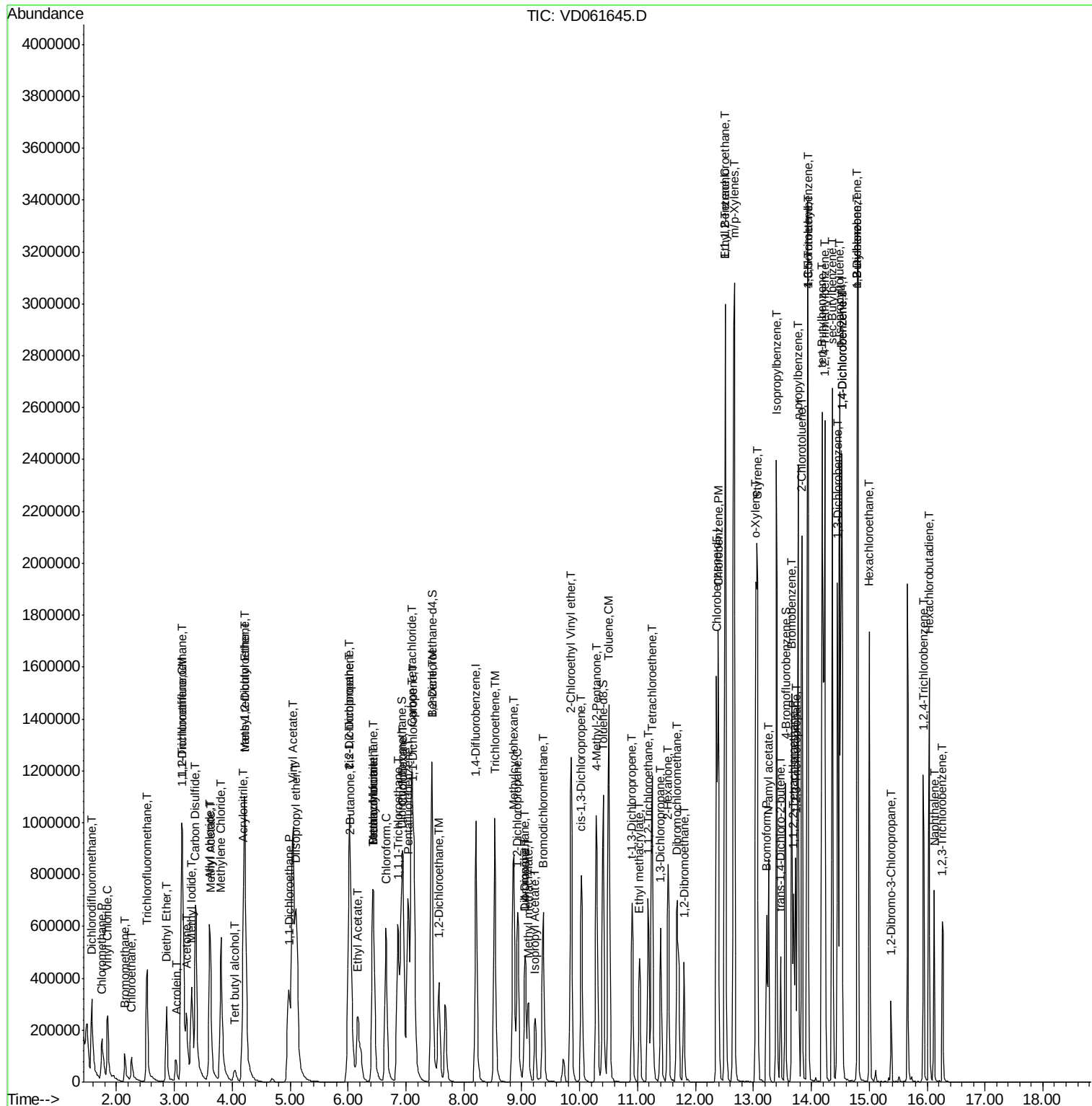
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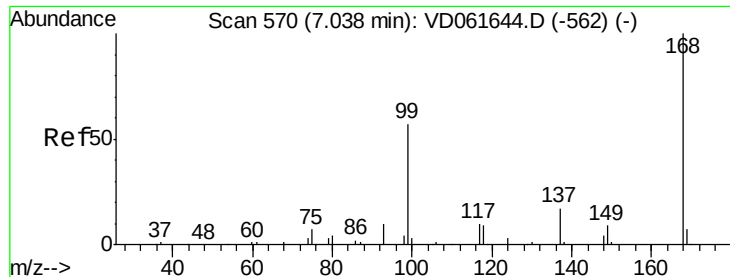
Instrument :
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 07:53:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	329420	53.212	ug/l	96
94) Hexachlorobutadiene	16.03	225	255337	53.415	ug/l	99
95) Naphthalene	16.12	128	512587	52.329	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	181455	58.730	ug/l	98

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

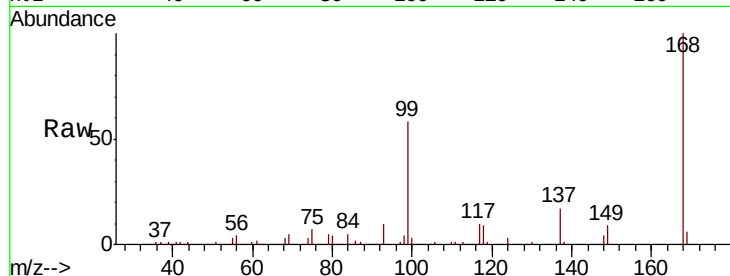
ClientSampled :

Tot Ion:168 Resp: 740596

Ion Ratio Lower Upper

168 100

99 57.6 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

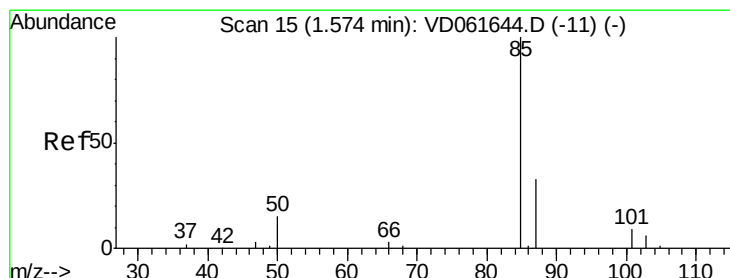
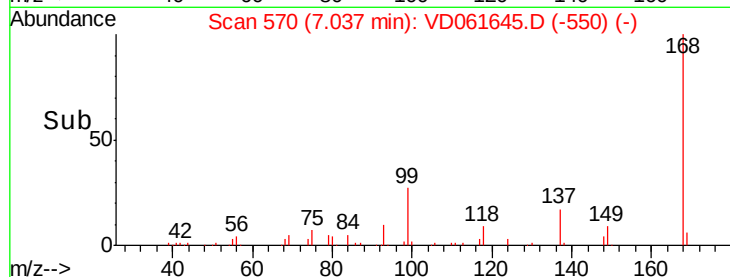
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.476 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD061645.D

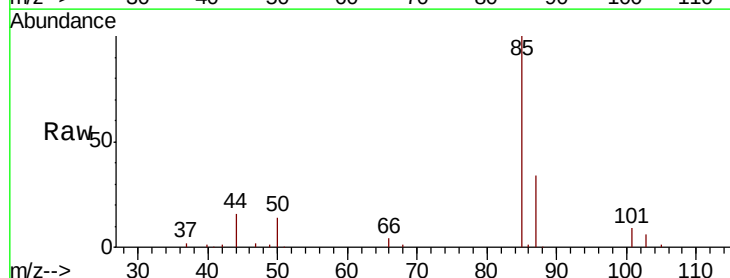
Acq: 6 Apr 2019 16:35

Tgt Ion: 85 Resp: 387318

Ion Ratio Lower Upper

85 100

87 33.7 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

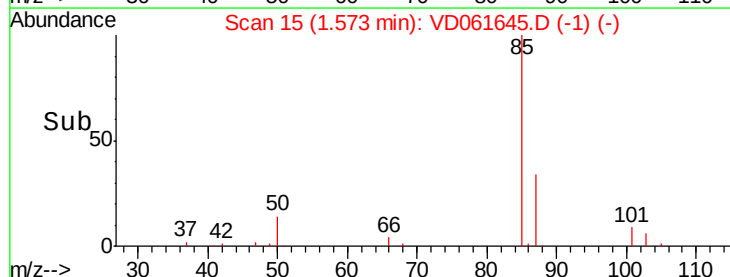
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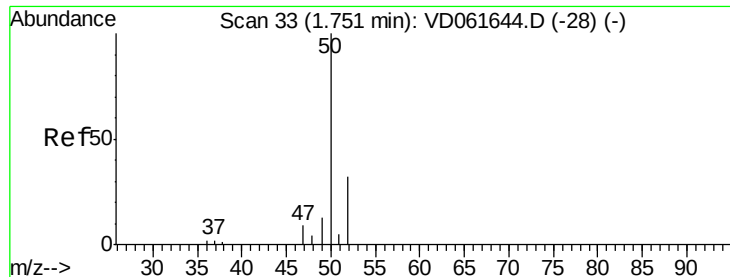
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 46.428 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

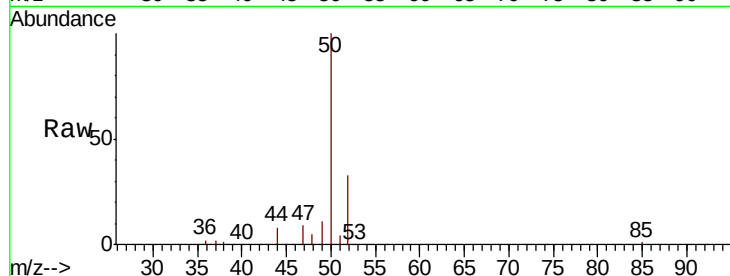
ClientSampleId :

Tot Ion: 50 Resp: 299769

Ion Ratio Lower Upper

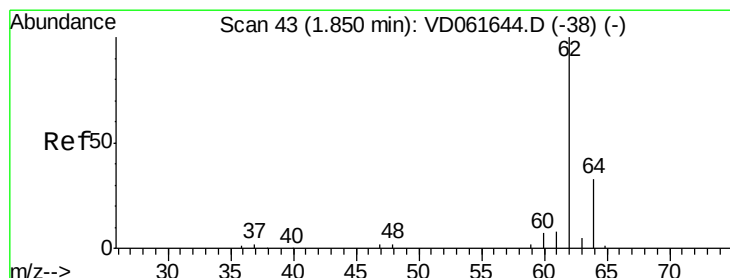
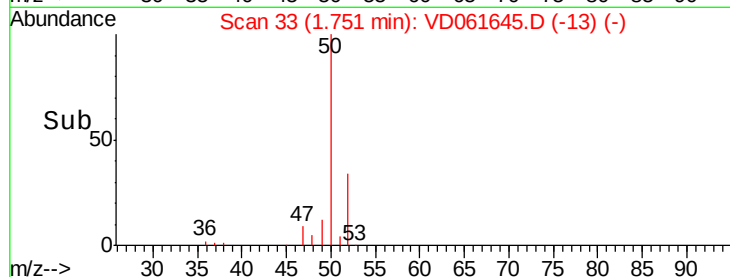
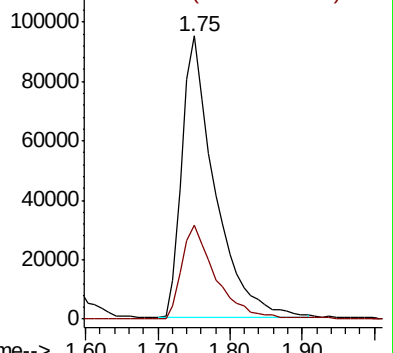
50 100

52 33.2 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: 52.212 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061645.D

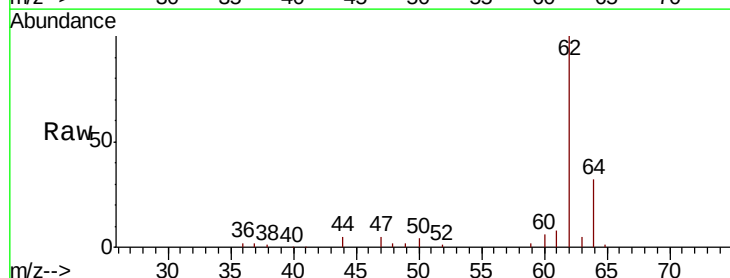
Acq: 6 Apr 2019 16:35

Tgt Ion: 62 Resp: 315003

Ion Ratio Lower Upper

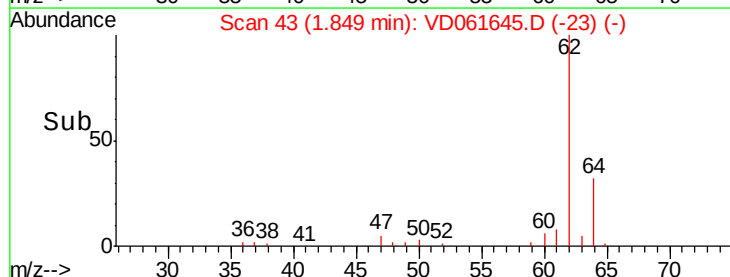
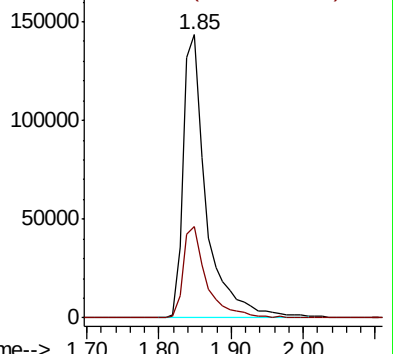
62 100

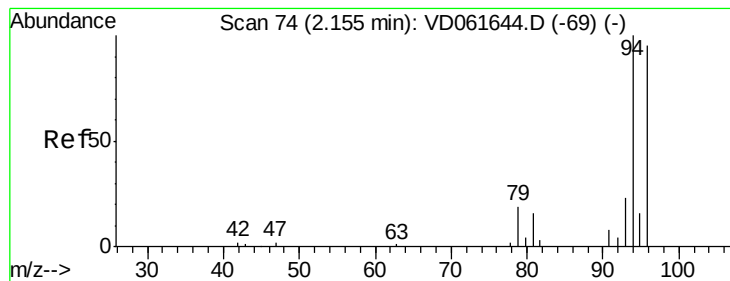
64 32.3 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.815 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :

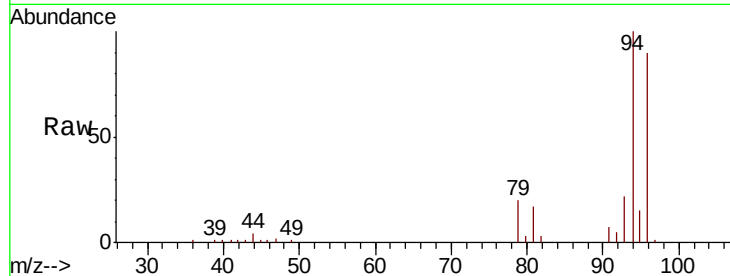
Tot Ion: 94 Resp: 75149

Ion Ratio Lower Upper

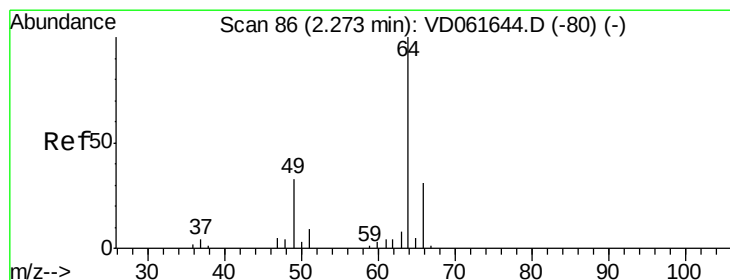
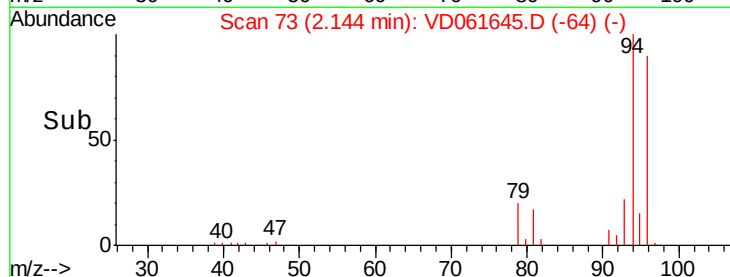
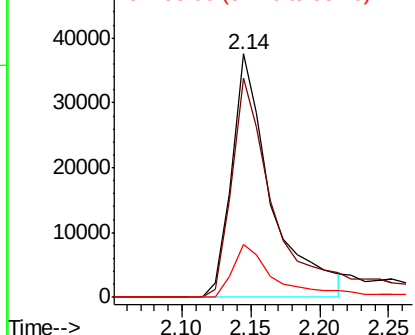
94 100

96 90.1 75.8 113.8

93 21.9 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 56.460 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061645.D

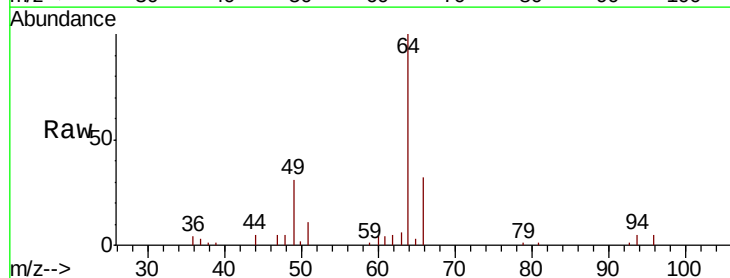
Acq: 6 Apr 2019 16:35

Tgt Ion: 64 Resp: 106691

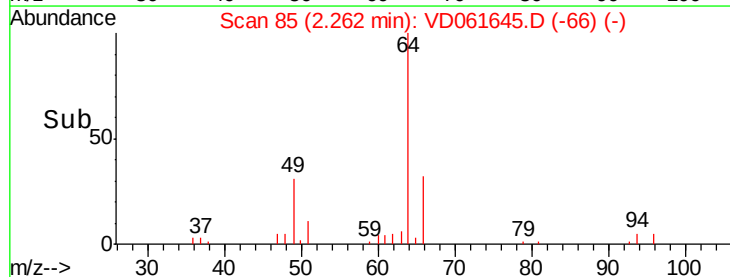
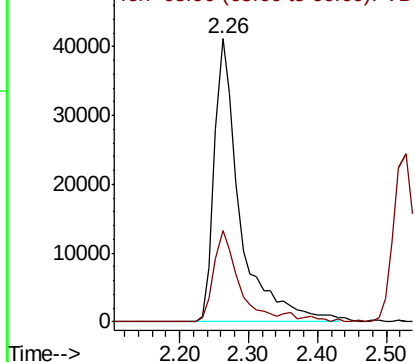
Ion Ratio Lower Upper

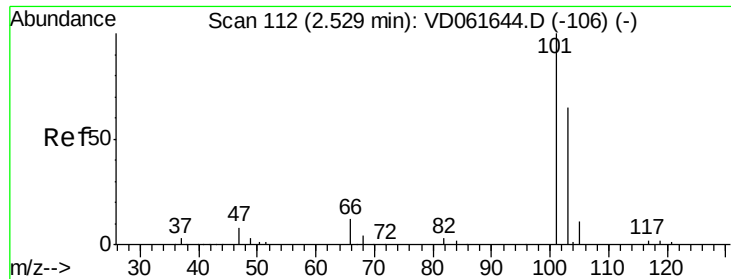
64 100

66 32.2 24.9 37.3



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



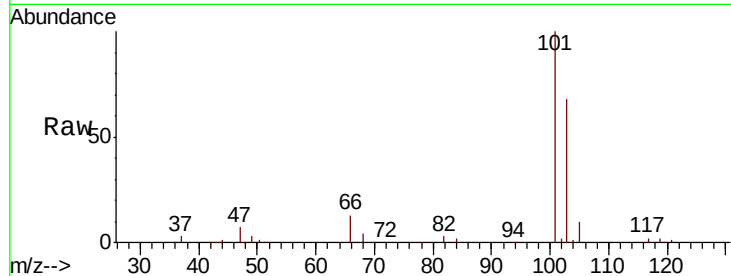


#7

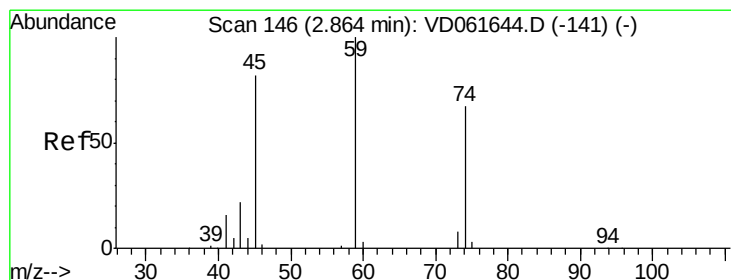
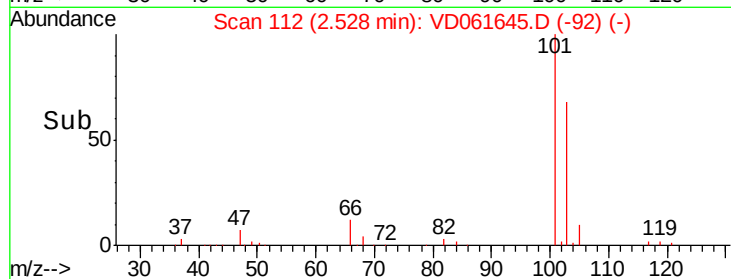
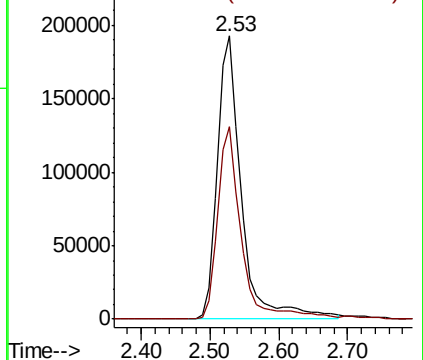
Trichlorofluoromethane
 Concen: 51.213 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 466518
 Ion Ratio Lower Upper
 101 100
 103 68.0 52.0 78.0



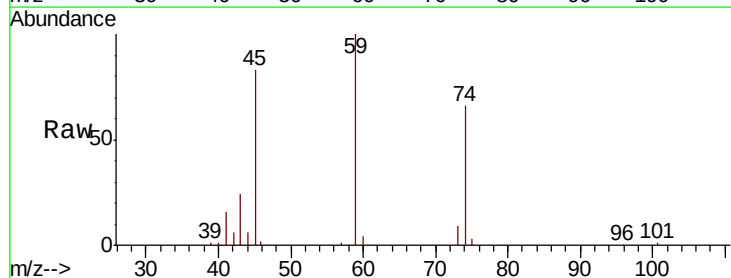
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



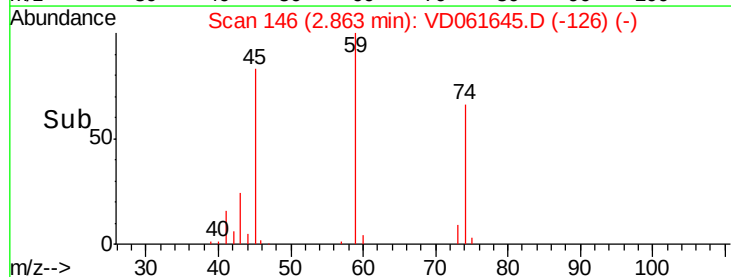
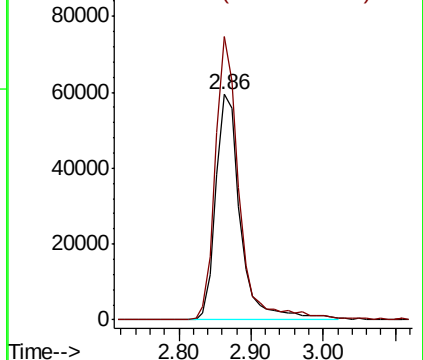
#8

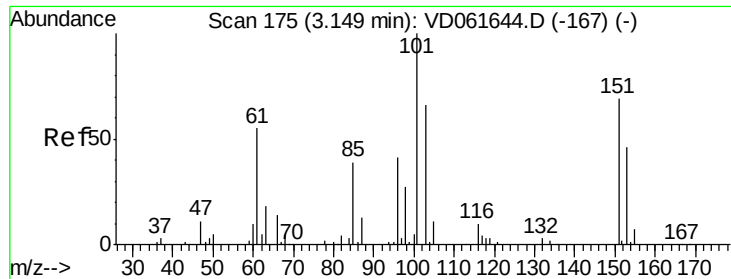
Diethyl Ether
 Concen: 54.662 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion: 74 Resp: 139744
 Ion Ratio Lower Upper
 74 100
 45 125.7 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: 48.986 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

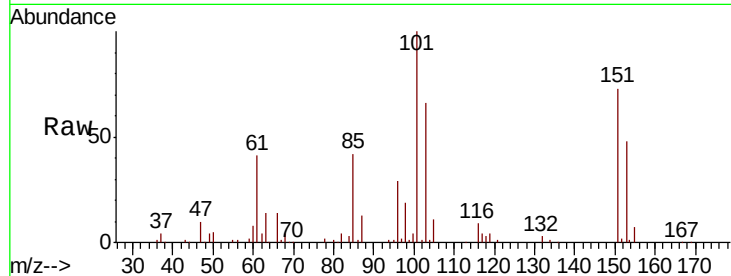
Tot Ion:101 Resp: 438710

Ion Ratio Lower Upper

101 100

85 41.6 31.0 46.6

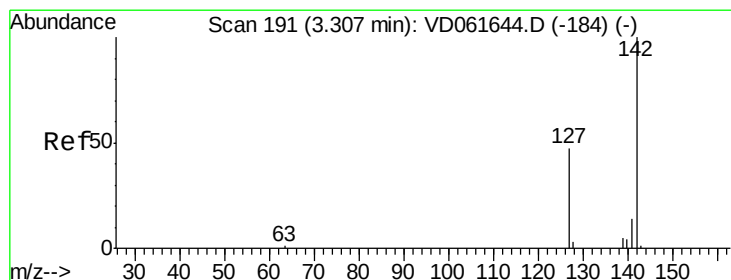
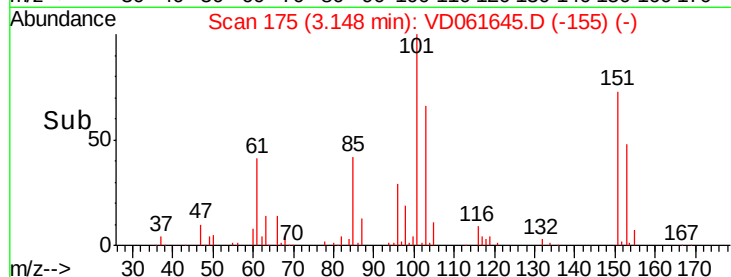
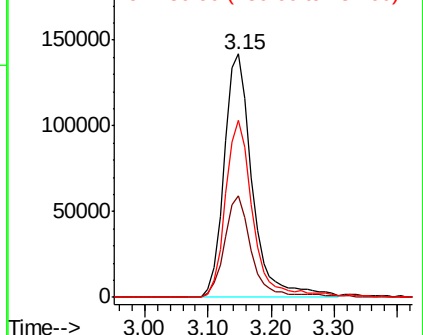
151 72.9 55.3 82.9



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: 50.668 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

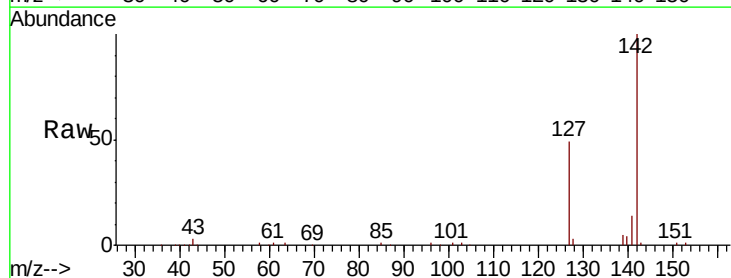
Tgt Ion:142 Resp: 677403

Ion Ratio Lower Upper

142 100

127 48.9 37.2 55.8

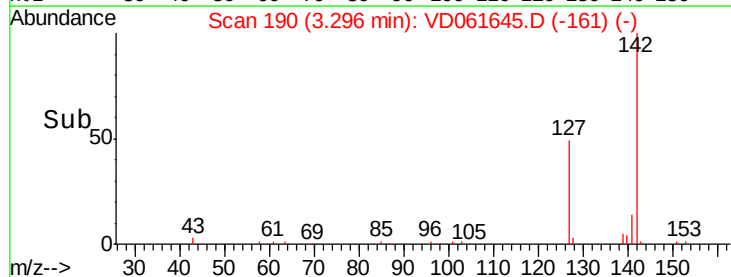
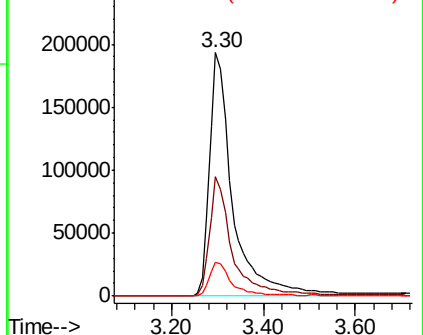
141 13.7 10.8 16.2

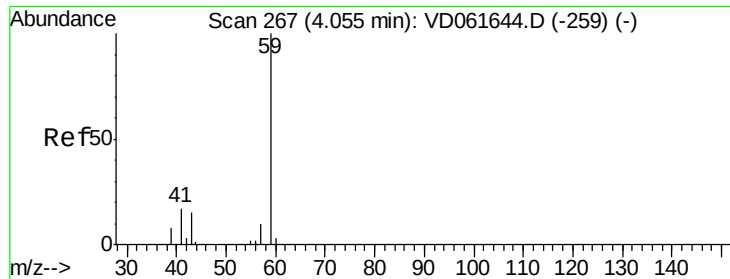


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



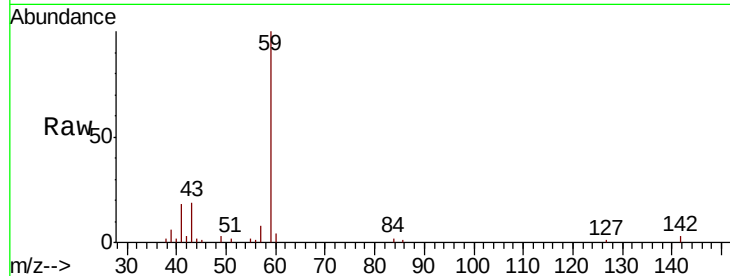


#11

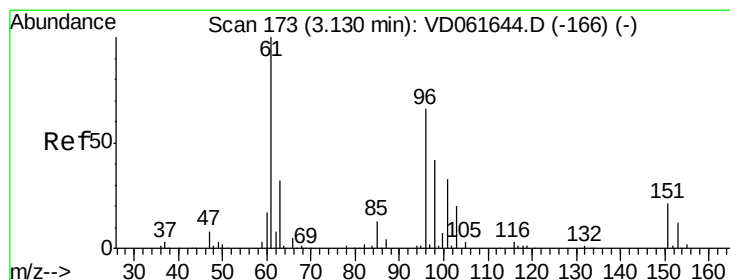
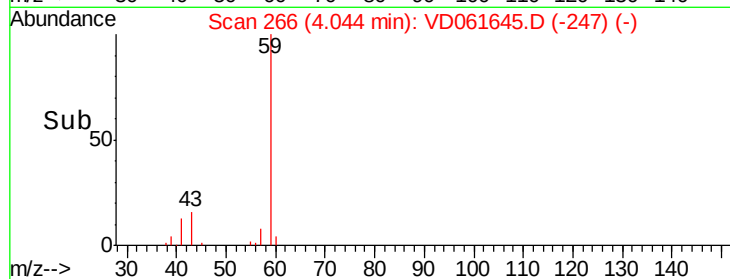
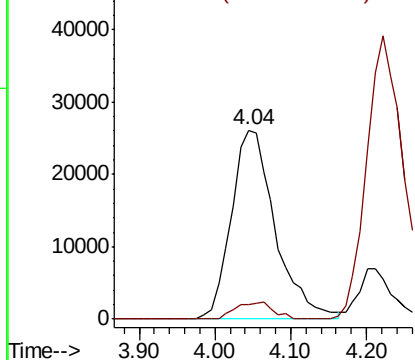
Tert butyl alcohol
Concen: 280.061 ug/l
RT: 4.04 min Scan# 266
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 105365
Ion Ratio Lower Upper
59 100
57 8.0 8.4 12.6#



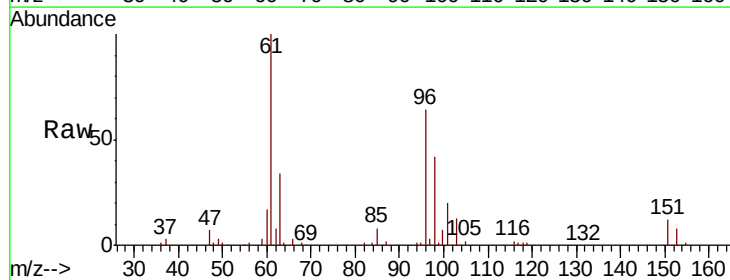
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



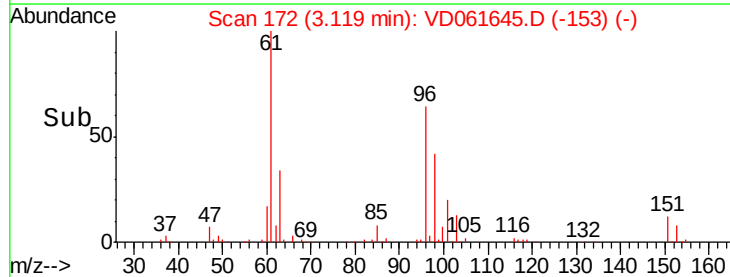
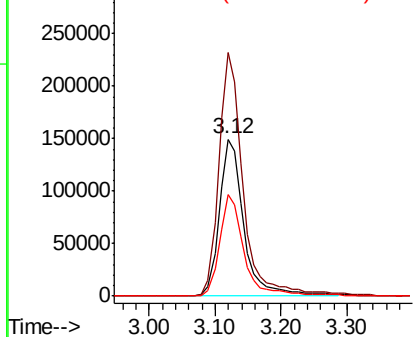
#12

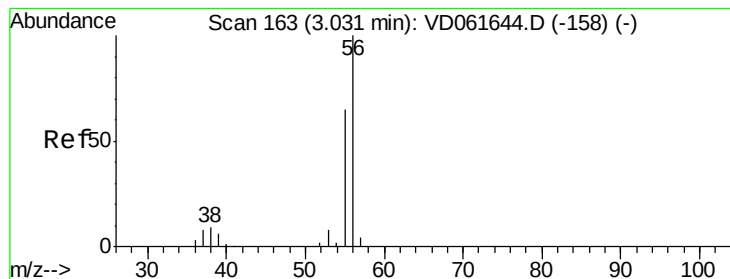
1,1-Dichloroethene
Concen: 50.468 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 96 Resp: 389643
Ion Ratio Lower Upper
96 100
61 155.5 121.3 181.9
98 65.1 50.6 76.0



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





#13

Acrolein

Concen: 225.145 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

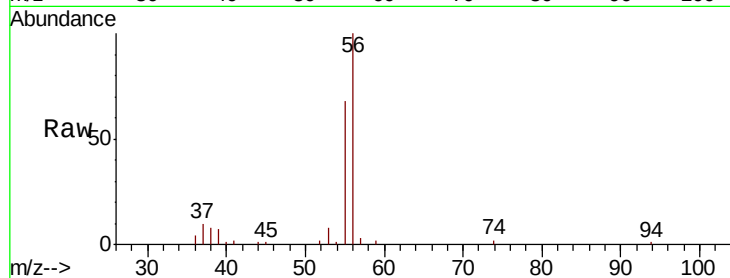
ClientSampleId :

Tot Ion: 56 Resp: 103273

Ion Ratio Lower Upper

56 100

55 67.8 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

40000

30000

20000

10000

0

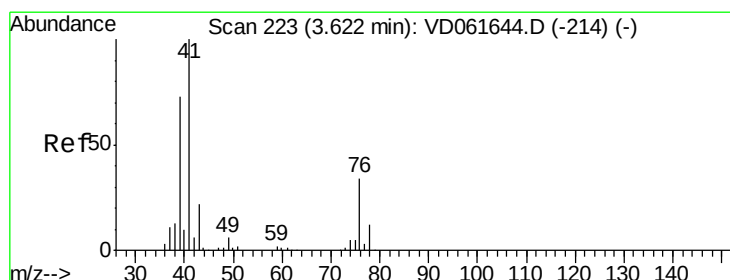
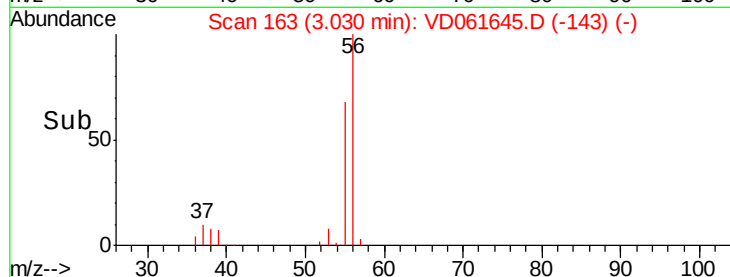
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 51.877 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

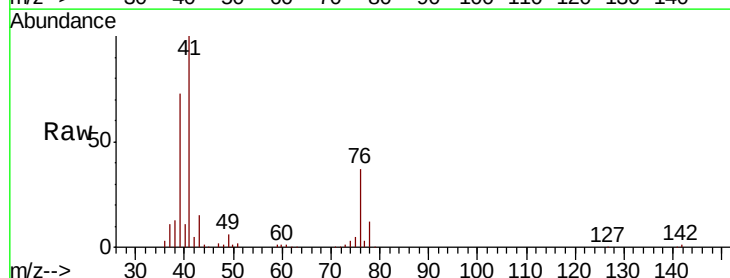
Tgt Ion: 41 Resp: 546275

Ion Ratio Lower Upper

41 100

39 72.8 58.2 87.4

76 37.1 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

250000

200000

150000

100000

50000

0

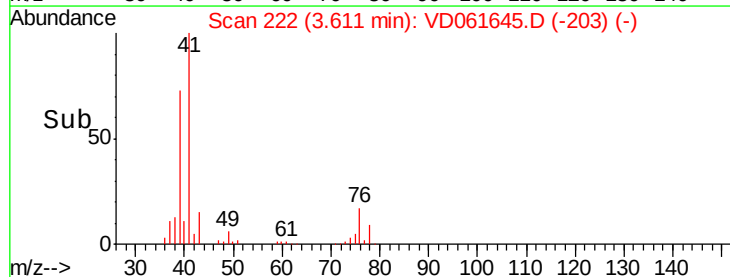
Time-->

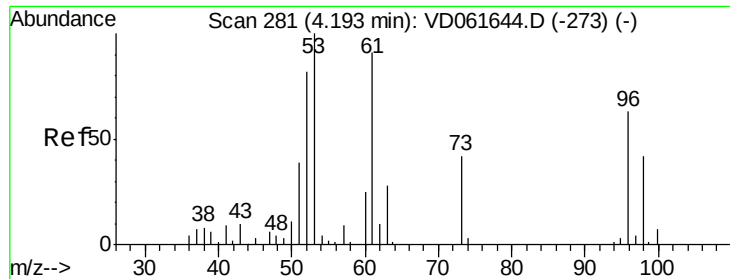
3.50

3.60

3.70

3.80

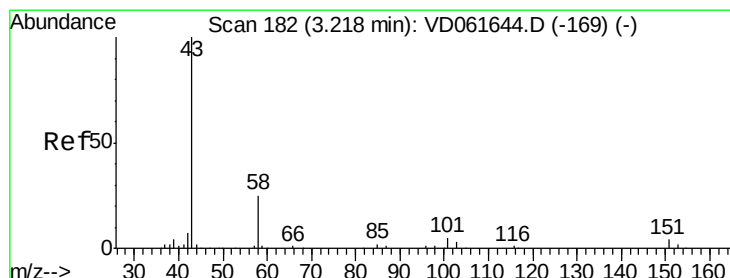
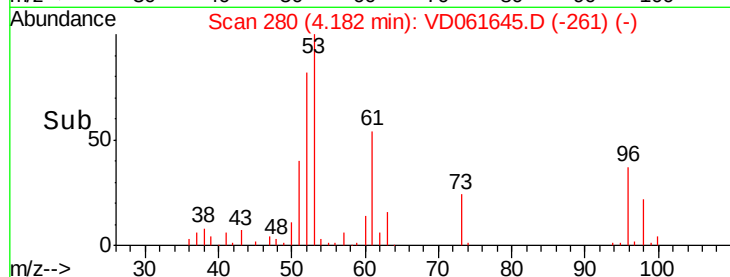
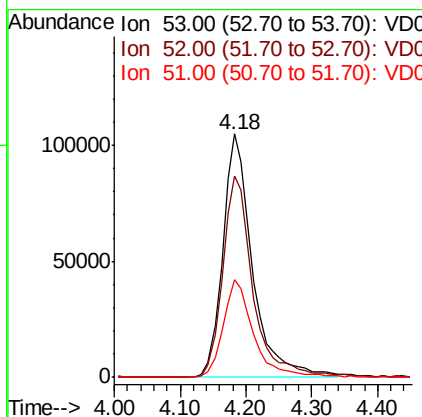
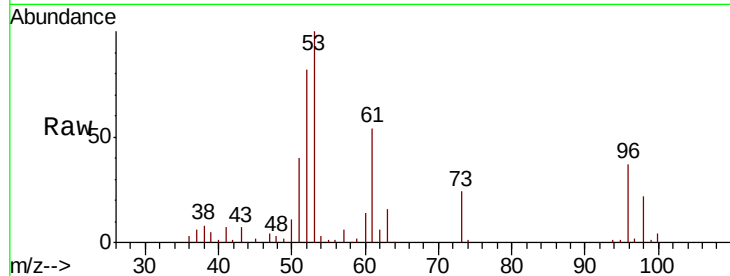




#15
Acrylonitrile
Concen: 255.346 ug/l
RT: 4.18 min Scan# 280
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

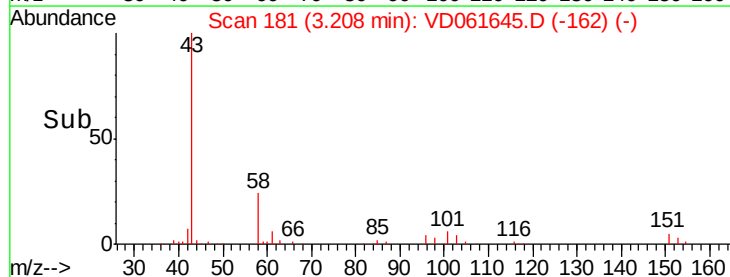
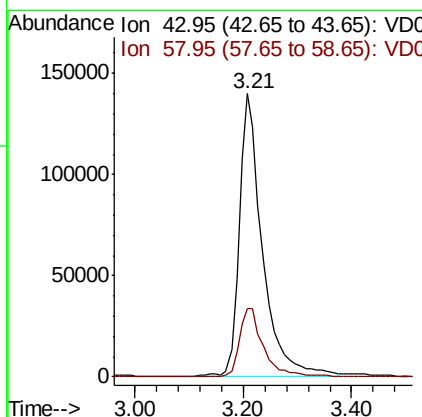
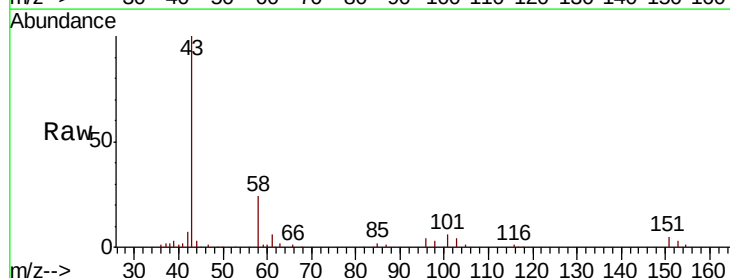
Instrument :
MSVOA_D
ClientSampleId :

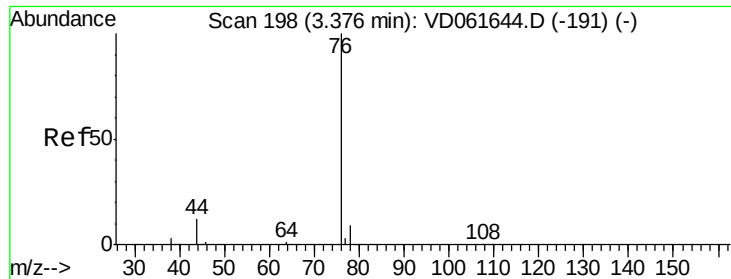
Tot Ion: 53 Resp: 330694
Ion Ratio Lower Upper
53 100
52 82.5 65.9 98.9
51 39.9 31.4 47.2



#16
Acetone
Concen: 248.543 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 43 Resp: 417084
Ion Ratio Lower Upper
43 100
58 24.0 19.7 29.5

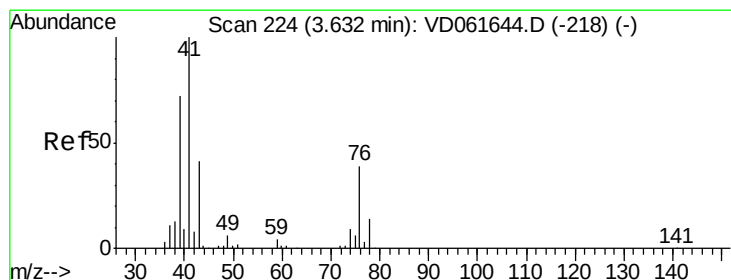
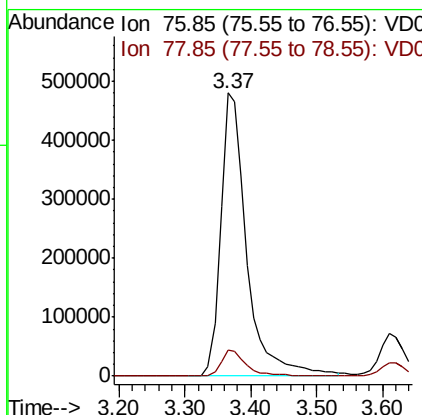
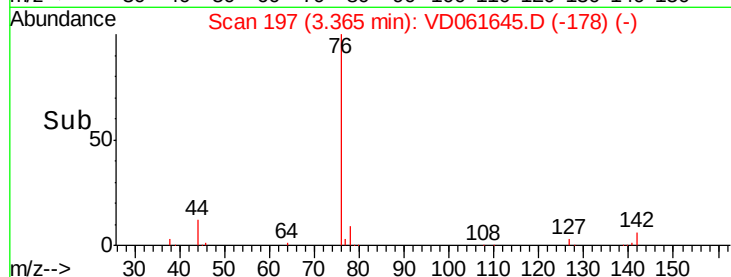
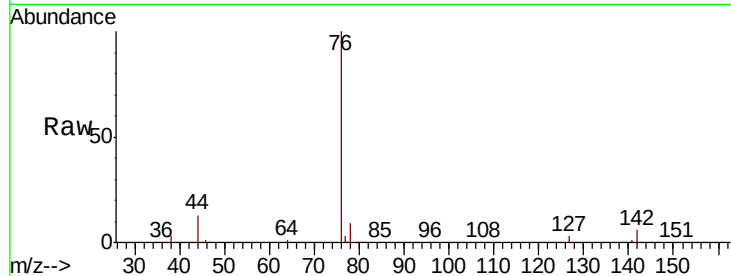




#17
Carbon Disulfide
Concen: 52.718 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

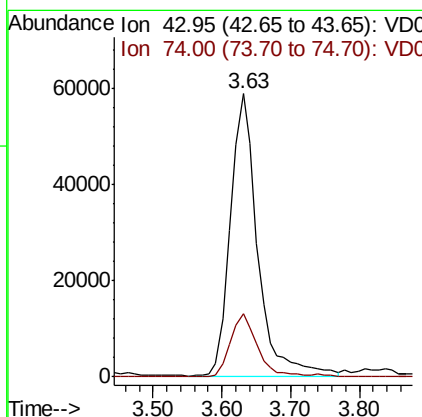
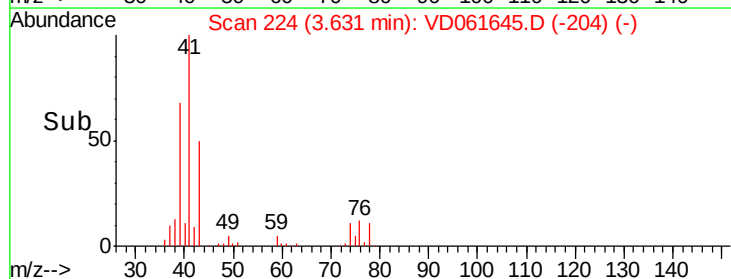
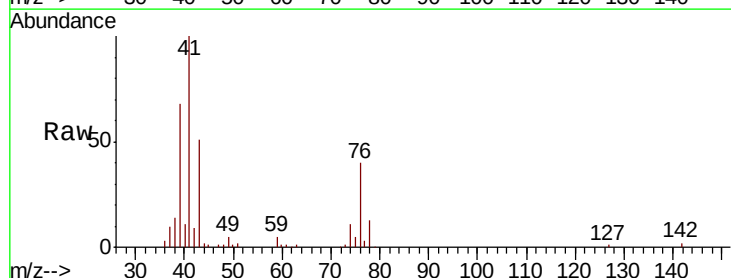
Instrument :
MSVOA_D
ClientSampleId :

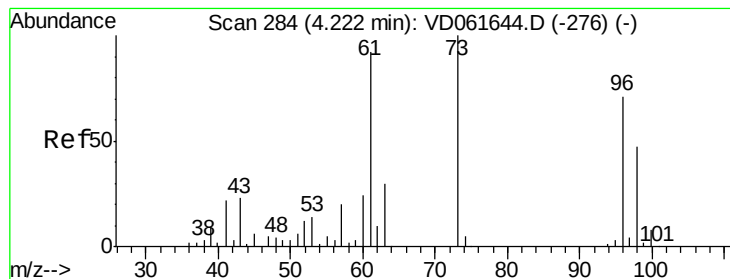
Tot Ion: 76 Resp: 1322519
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 51.547 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 43 Resp: 162747
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.2



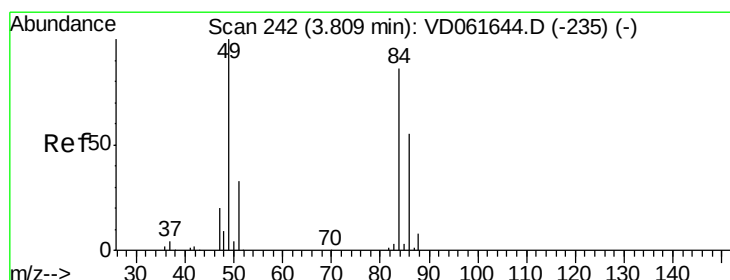
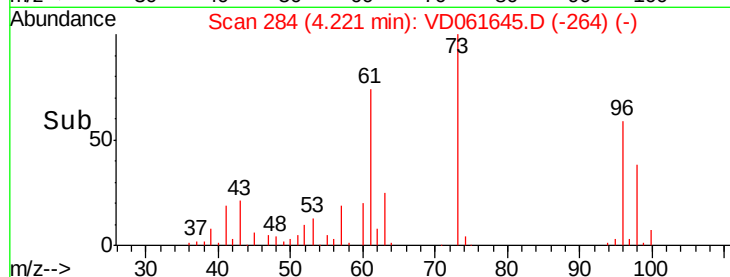
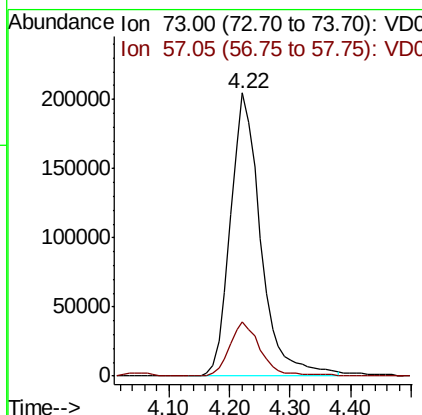
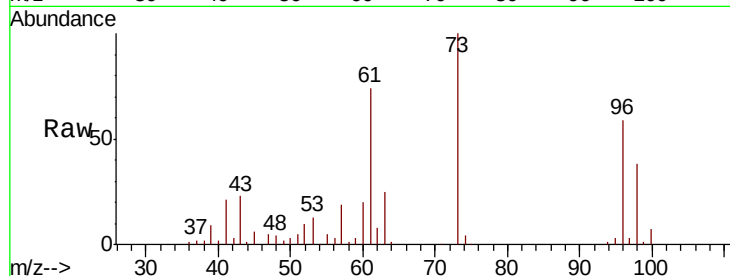


#19

Methyl tert-butyl Ether
 Concen: 53.440 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :

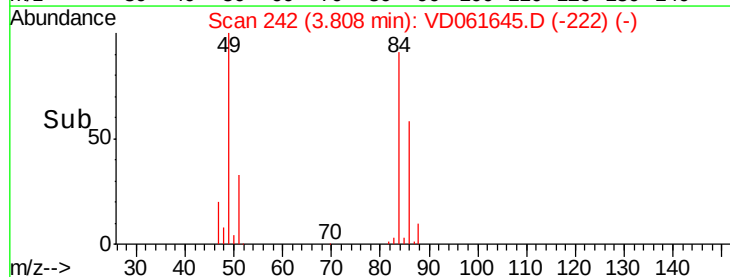
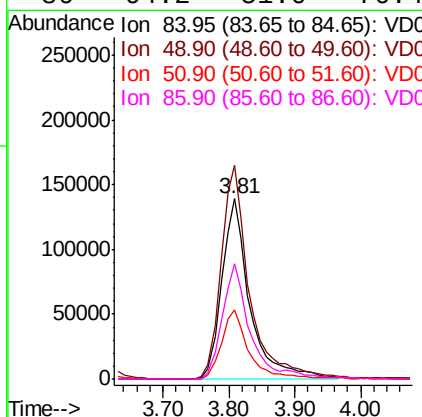
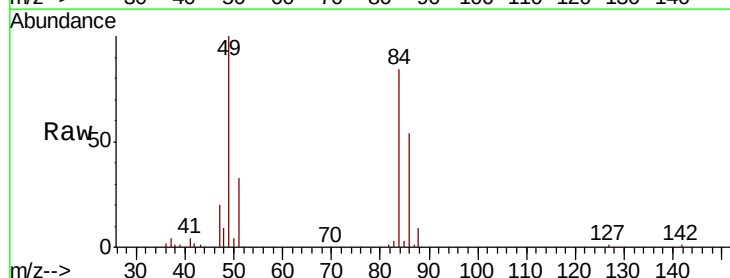
Tot Ion: 73 Resp: 714400
 Ion Ratio Lower Upper
 73 100
 57 19.1 16.0 24.0

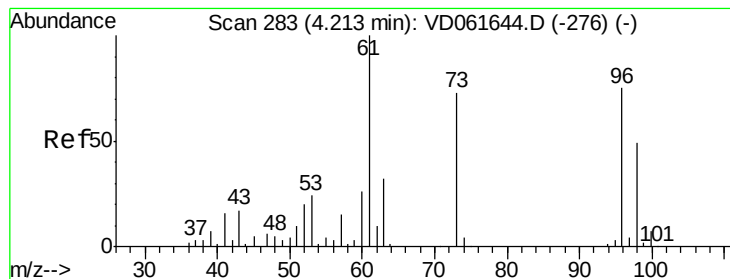


#20

Methylene Chloride
 Concen: 43.394 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion: 84 Resp: 413217
 Ion Ratio Lower Upper
 84 100
 49 118.4 93.0 139.4
 51 38.6 30.4 45.6
 86 64.2 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 51.504 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampled :

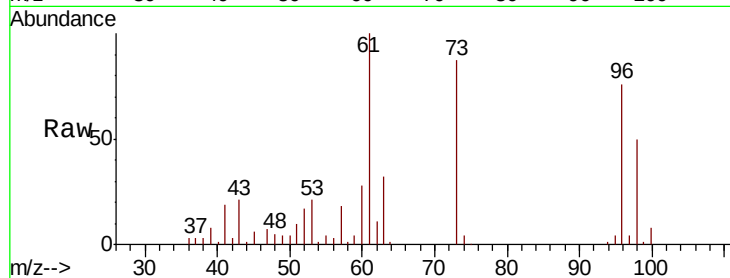
Tot Ion: 96 Resp: 431883

Ion Ratio Lower Upper

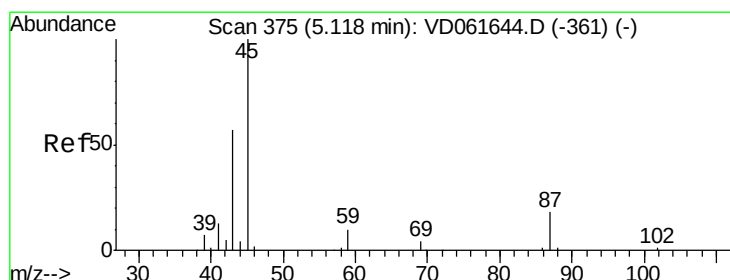
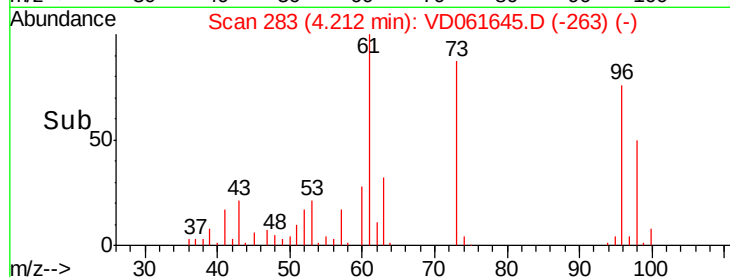
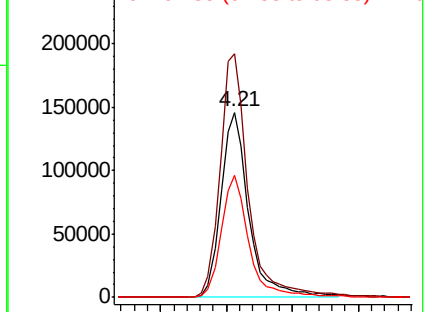
96 100

61 131.4 106.8 160.2

98 66.1 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: 51.305 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Tgt Ion: 45 Resp: 1132698

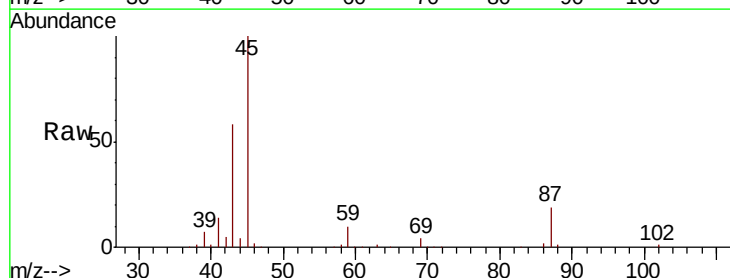
Ion Ratio Lower Upper

45 100

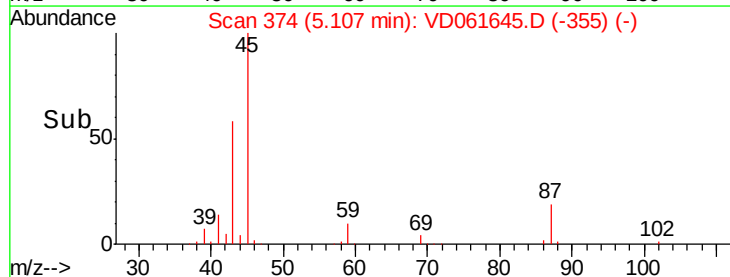
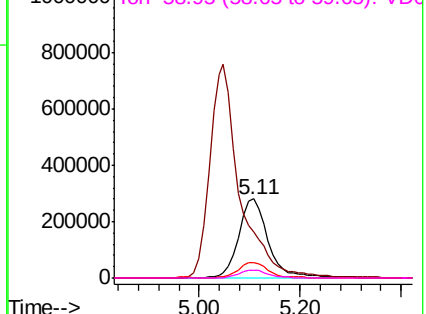
43 58.4 46.6 70.0

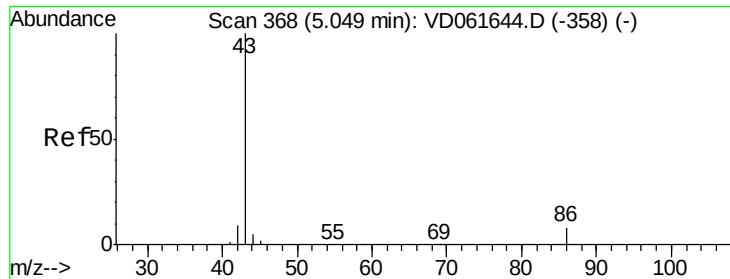
87 19.3 15.6 23.4

59 9.6 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: 254.914 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

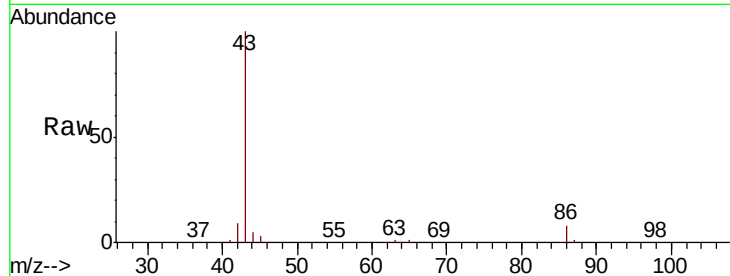
ClientSampleId :

Tot Ion: 43 Resp: 3105390

Ion Ratio Lower Upper

43 100

86 7.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD061645.D (-348) (-)

Ion 86.00 (85.70 to 86.70): VD061645.D (-348) (-)

5.05

800000

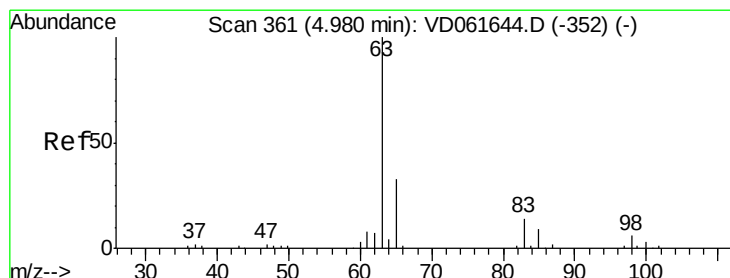
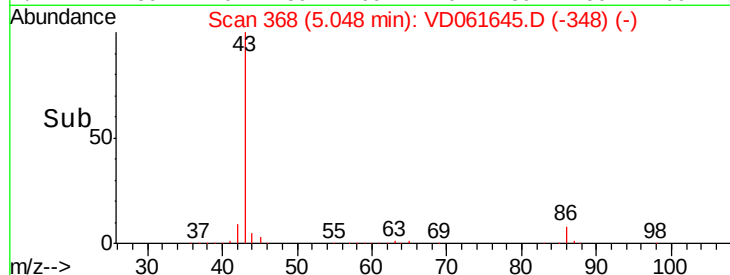
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.588 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

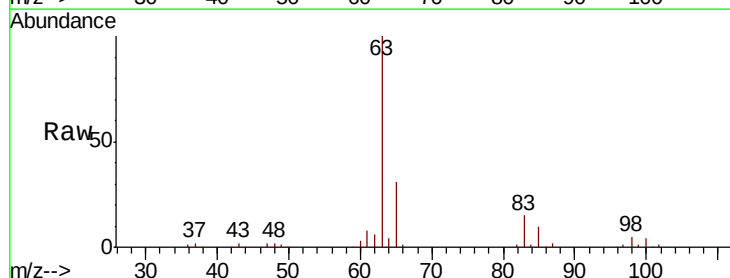
Tgt Ion: 63 Resp: 657356

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

100 3.5 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VD061645.D (-341) (-)

Ion 97.95 (97.65 to 98.65): VD061645.D (-341) (-)

Ion 99.95 (99.65 to 100.65): VD061645.D (-341) (-)

4.98

200000

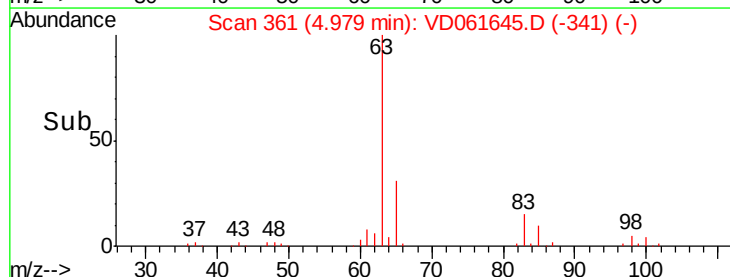
150000

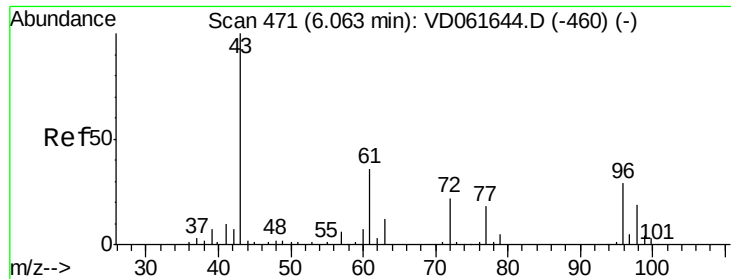
100000

50000

0

Time-->





#25

2-Butanone

Concen: 257.682 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

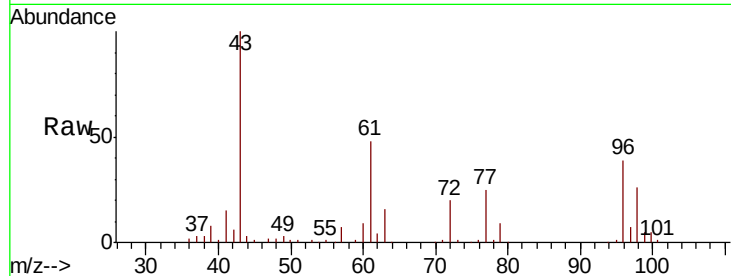
ClientSampleId :

Tot Ion: 43 Resp: 498507

Ion Ratio Lower Upper

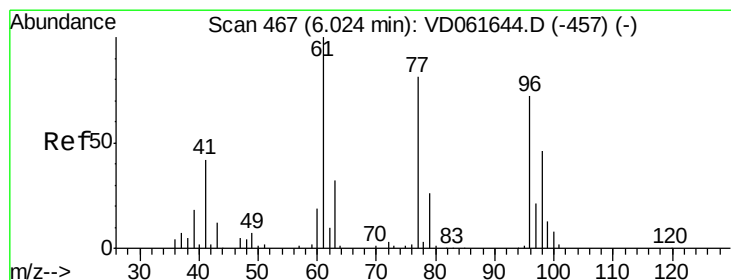
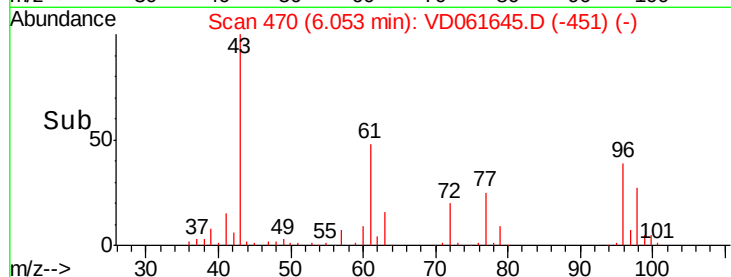
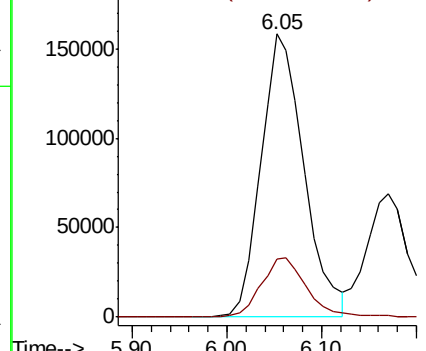
43 100

72 20.4 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: 48.909 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061645.D

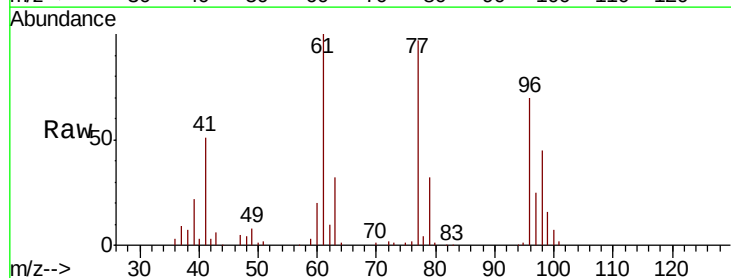
Acq: 6 Apr 2019 16:35

Tgt Ion: 77 Resp: 538787

Ion Ratio Lower Upper

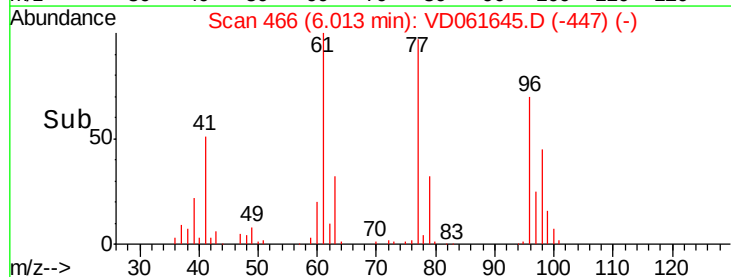
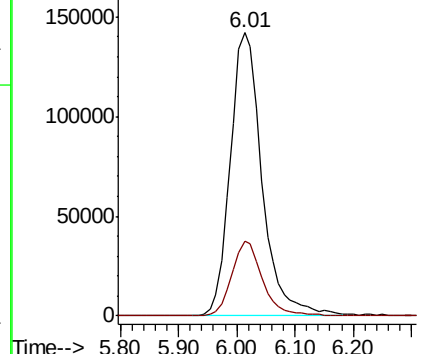
77 100

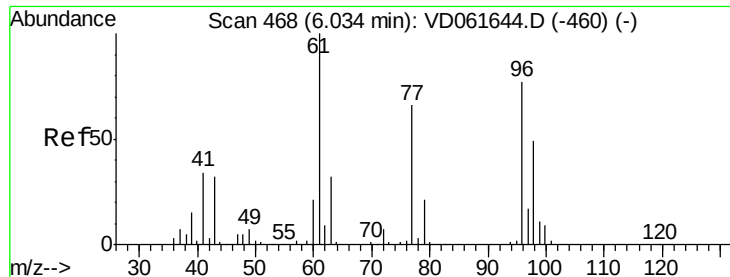
97 26.3 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



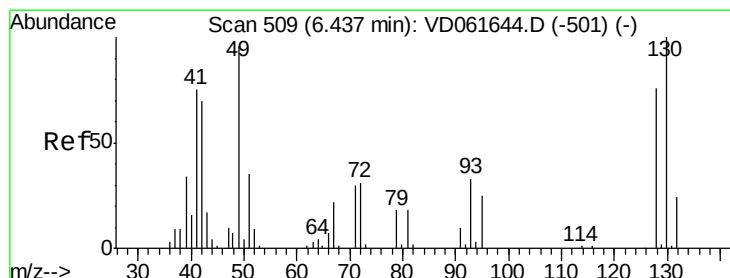
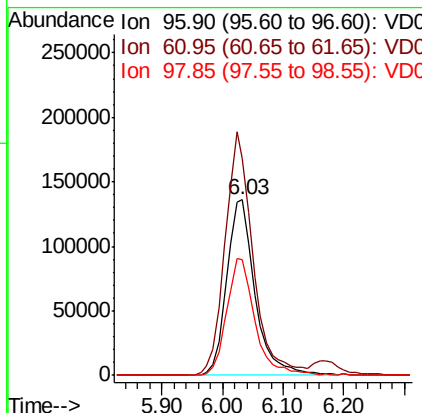
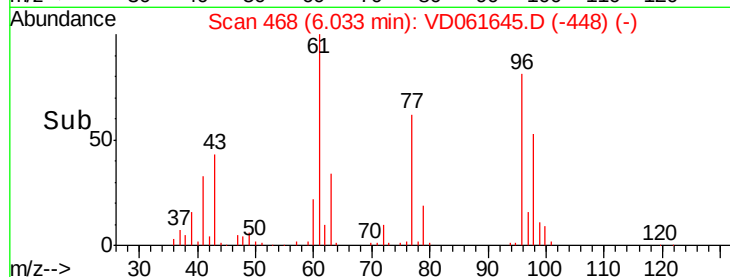
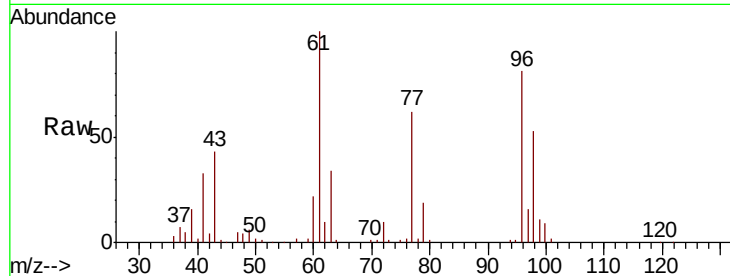


#27

cis-1,2-Dichloroethene
Concen: 49.505 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :

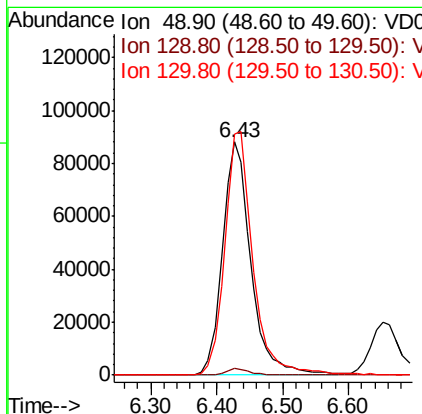
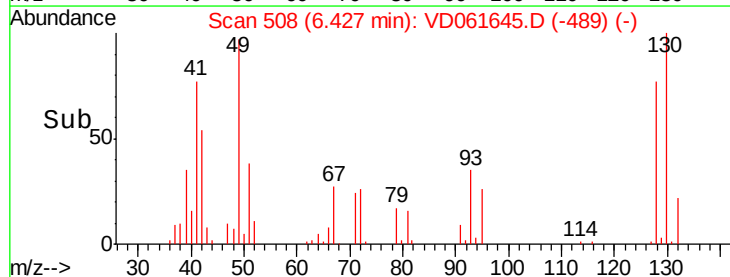
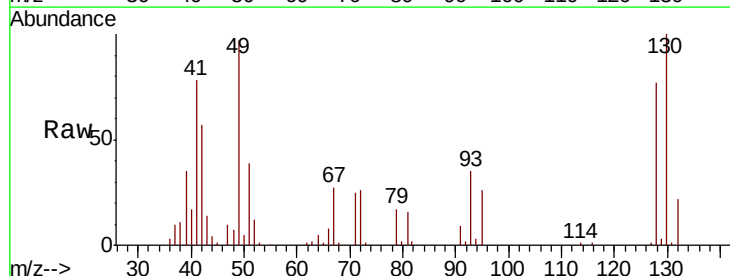
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	0.0	259.8
98	65.9	0.0	127.6

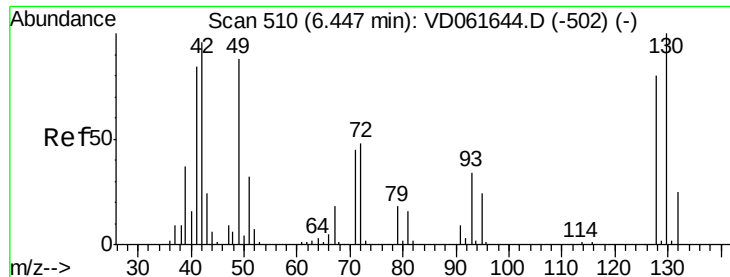


#28

Bromochloromethane
Concen: 53.167 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.0
130	103.4	83.3	124.9

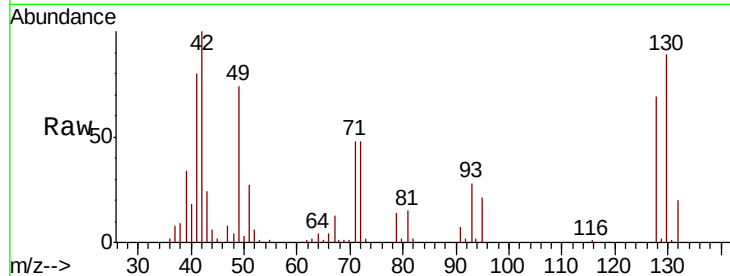




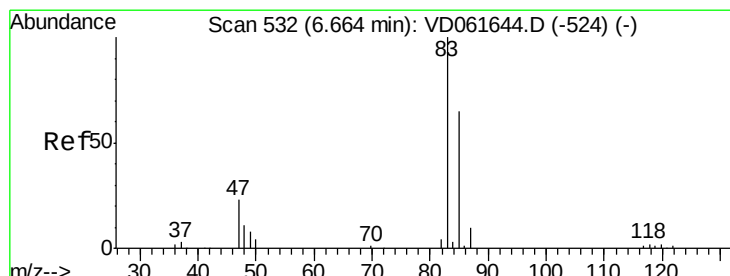
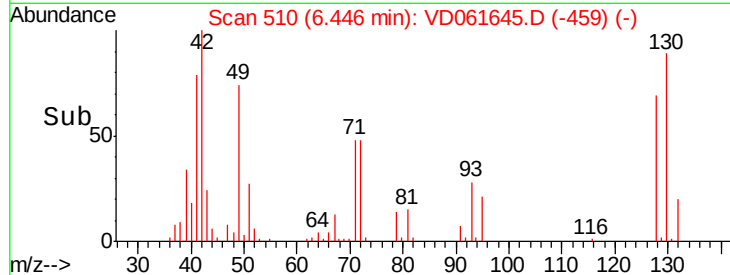
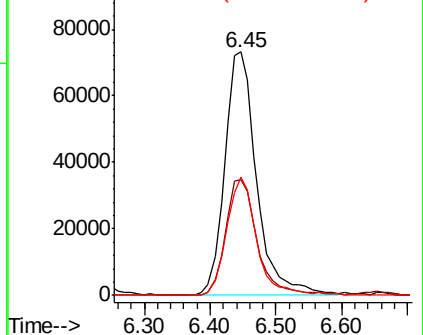
#29
Tetrahydrofuran
Concen: 264.735 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 247233
Ion Ratio Lower Upper
42 100
72 47.3 37.0 55.6
71 45.7 36.5 54.7

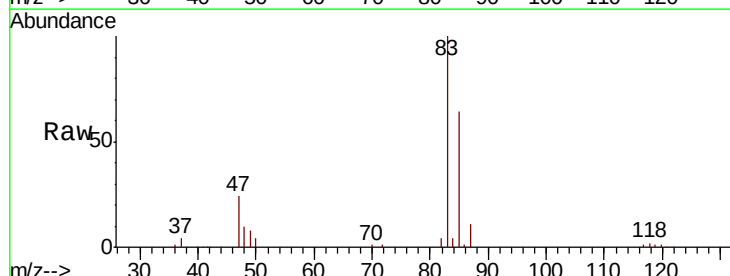


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

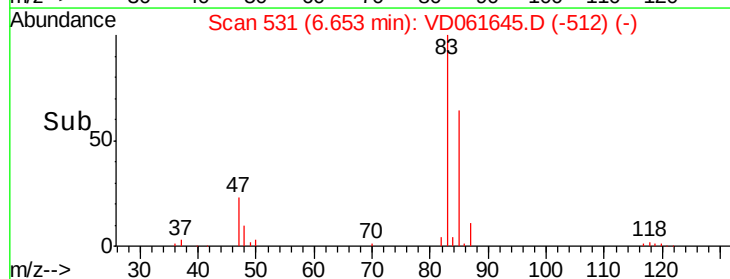
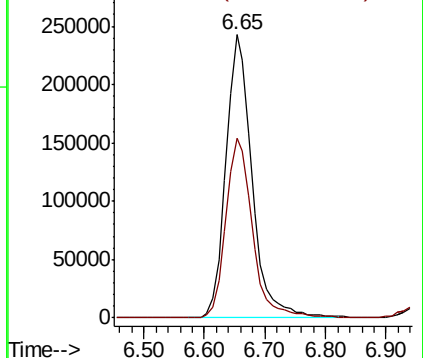


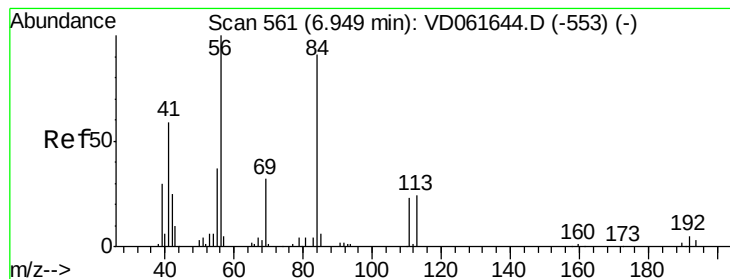
#30
Chloroform
Concen: 51.196 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 83 Resp: 725601
Ion Ratio Lower Upper
83 100
85 63.6 51.9 77.9



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





#31

Cyclohexane

Concen: 51.953 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampled :

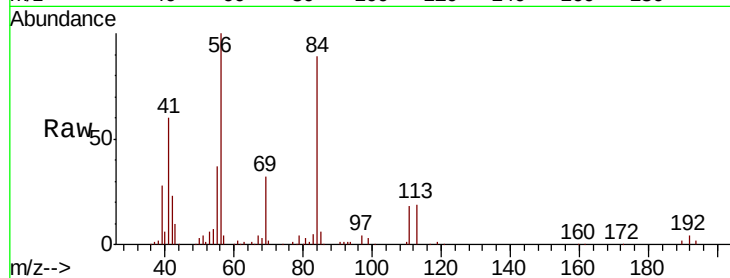
Tot Ion: 56 Resp: 549102

Ion Ratio Lower Upper

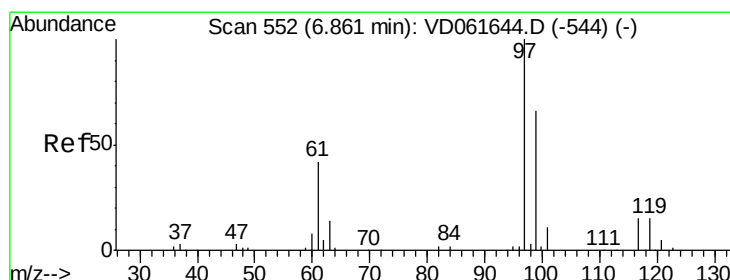
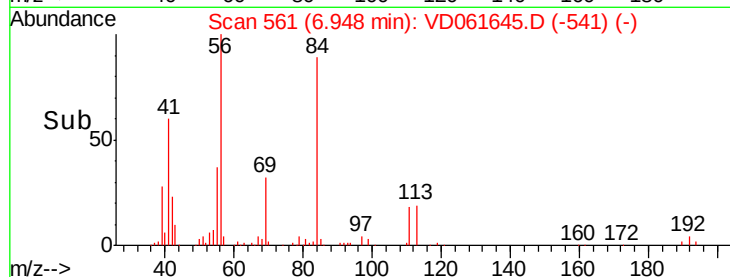
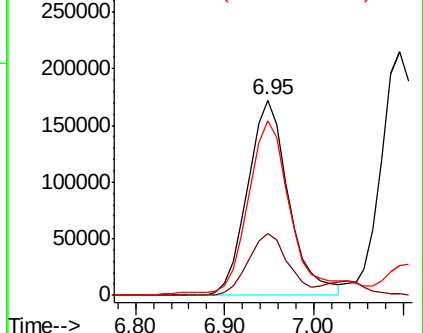
56 100

69 31.7 25.8 38.6

84 89.4 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 51.718 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

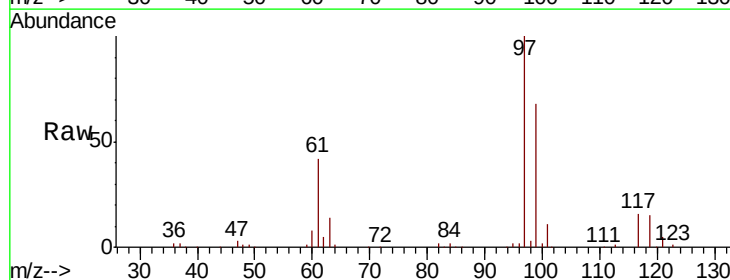
Tgt Ion: 97 Resp: 642334

Ion Ratio Lower Upper

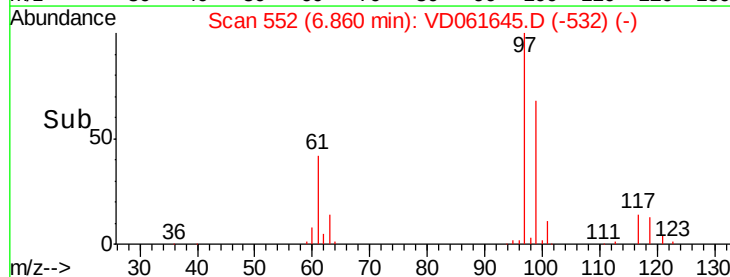
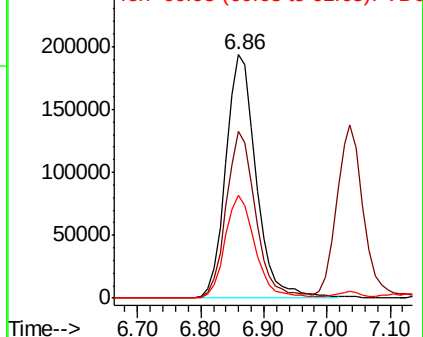
97 100

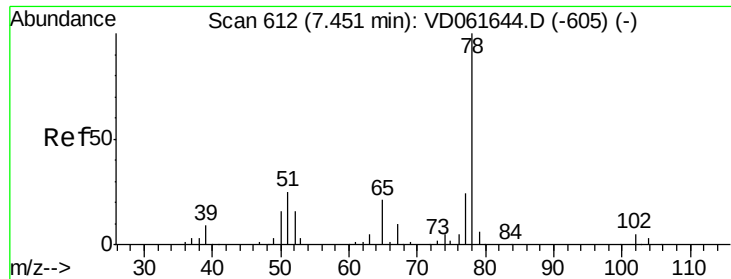
99 68.4 52.5 78.7

61 42.3 33.4 50.0



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

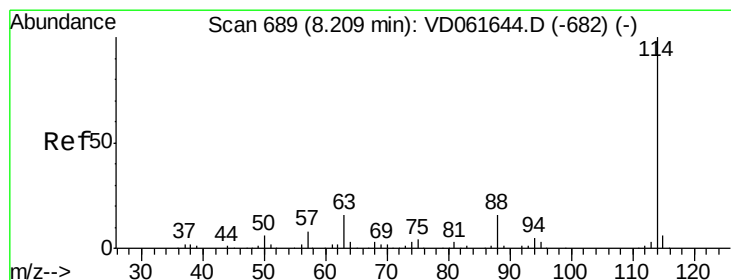
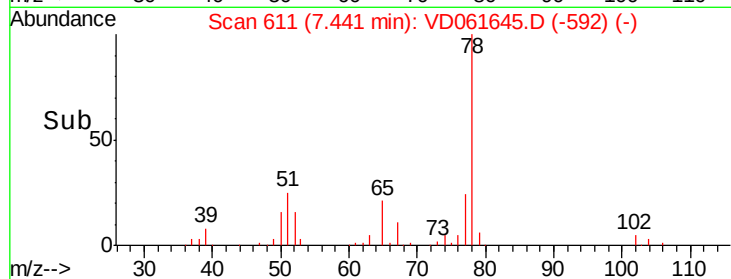
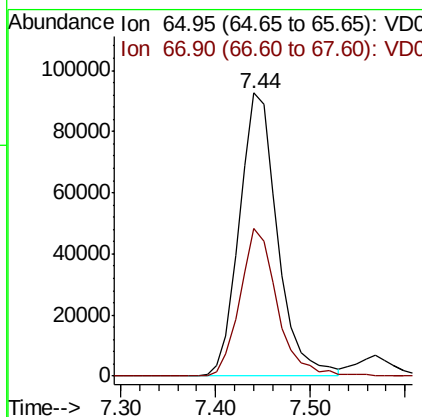
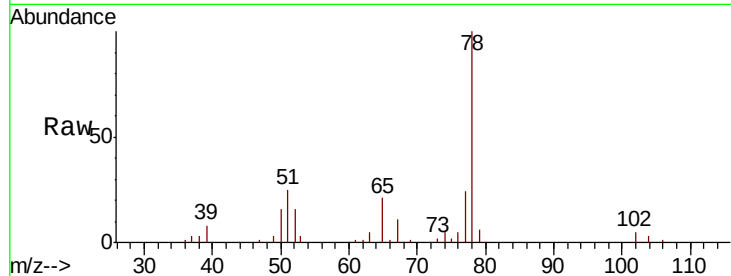




#33
 1,2-Dichloroethane-d4
 Concen: 51.718 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

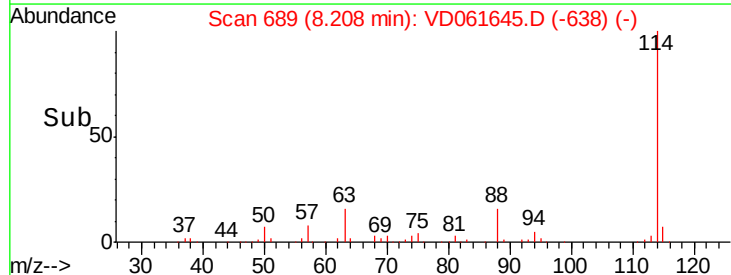
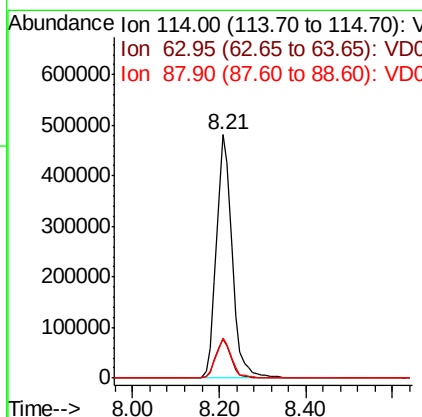
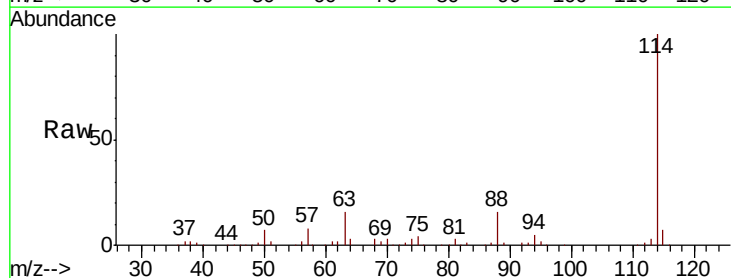
Instrument :
 MSVOA_D
 ClientSampleId :

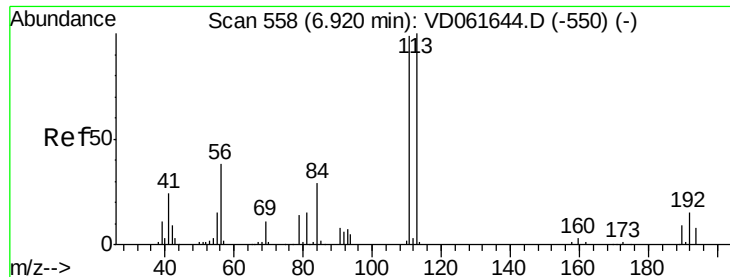
Tot Ion: 65 Resp: 258326
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion: 114 Resp: 1224751
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.2
 88 16.4 0.0 31.8

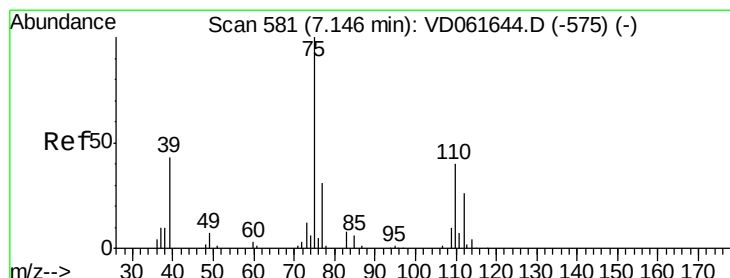
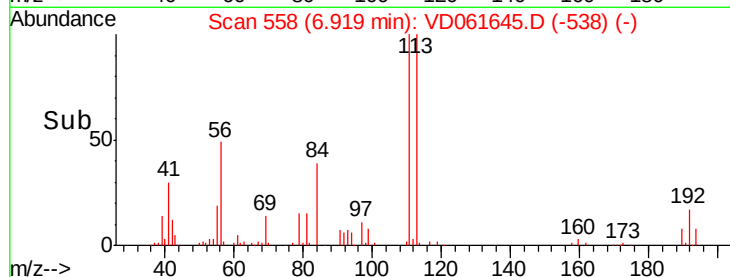
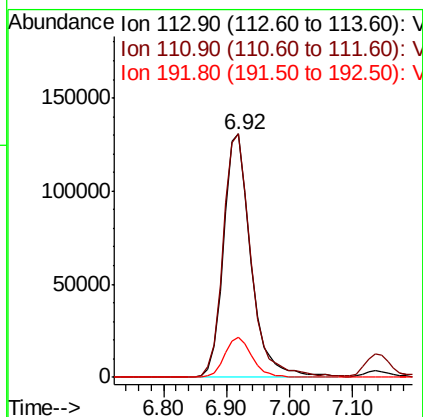
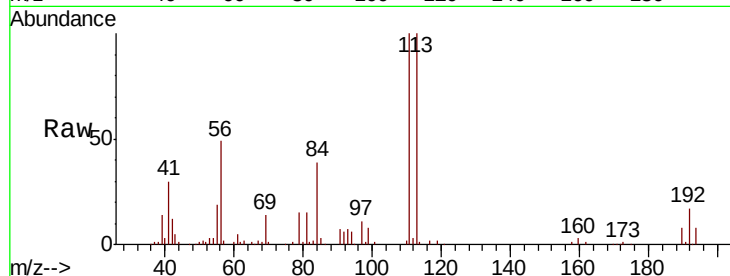




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

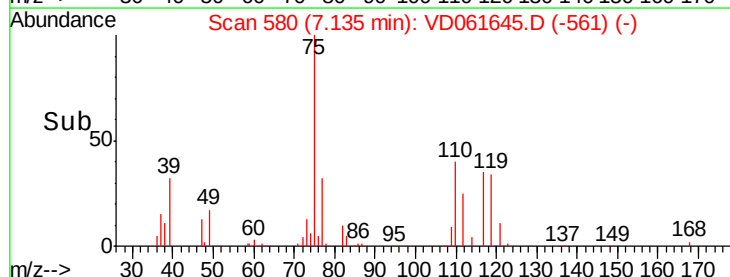
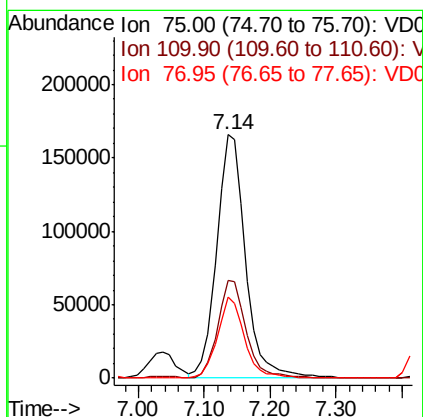
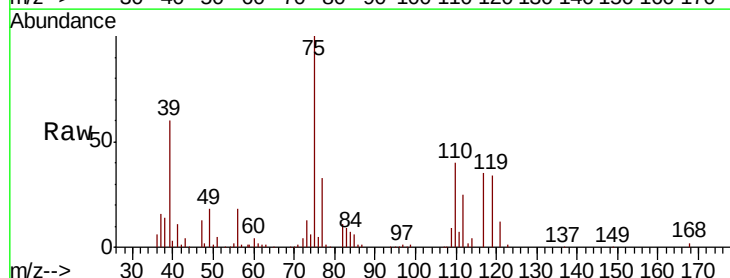
Instrument :
 MSVOA_D
 ClientSampleId :

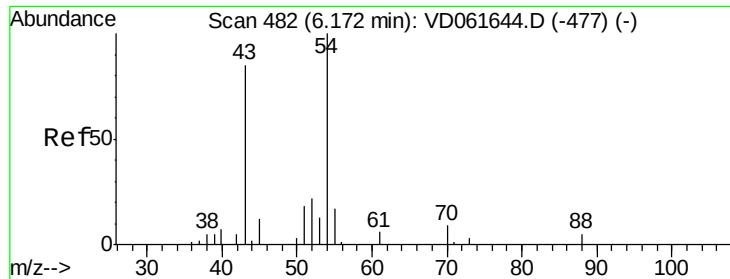
Tot Ion:113 Resp: 393190
 Ion Ratio Lower Upper
 113 100
 111 100.1 79.3 118.9
 192 16.6 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 46.685 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion: 75 Resp: 500409
 Ion Ratio Lower Upper
 75 100
 110 40.1 19.7 59.0
 77 33.2 24.8 37.2

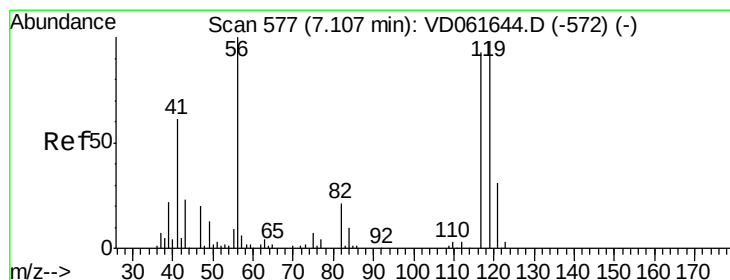
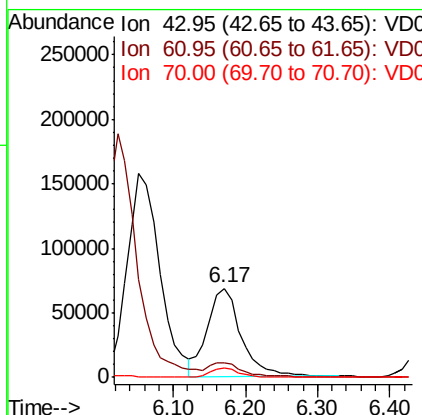
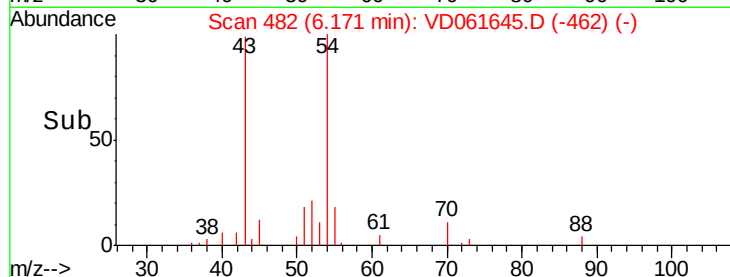
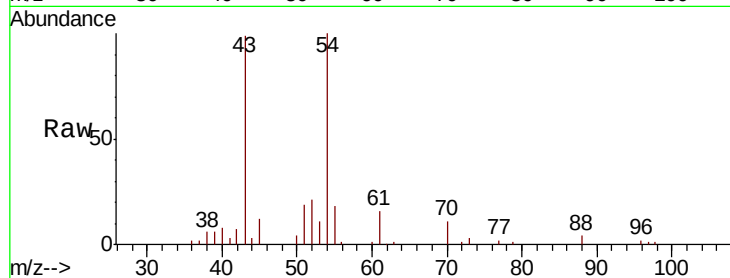




#37
Ethyl Acetate
Concen: 50.940 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

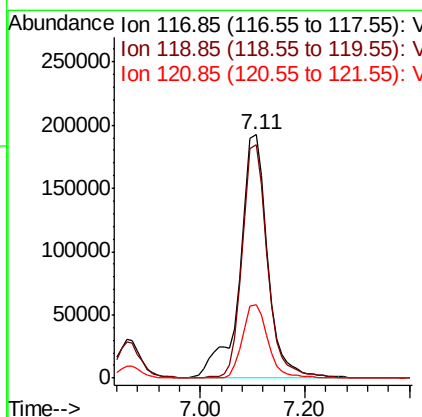
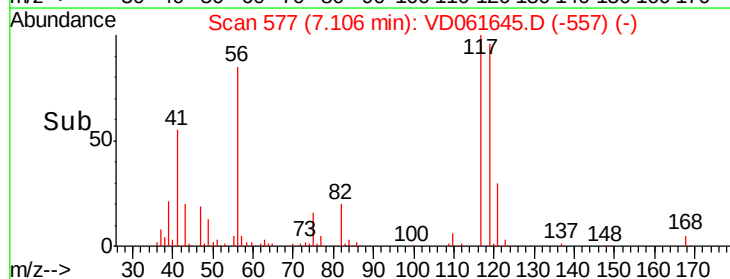
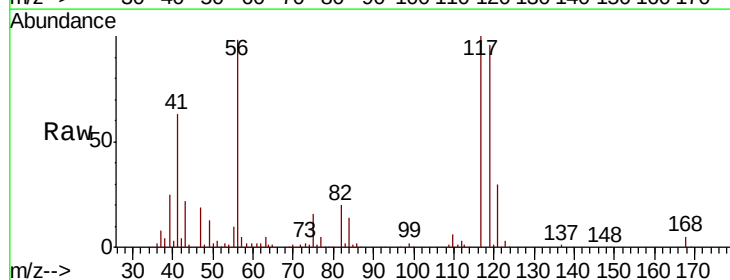
Instrument :
MSVOA_D
ClientSampled :

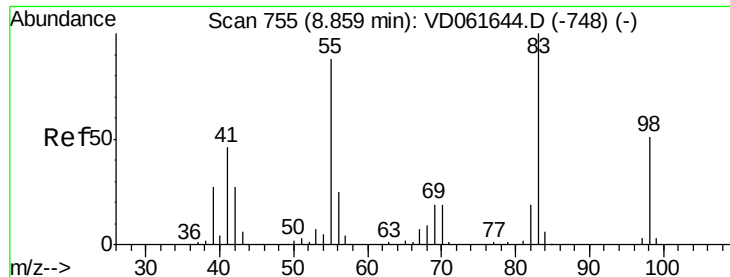
Tot Ion: 43 Resp: 222400
Ion Ratio Lower Upper
43 100
61 15.9 11.9 17.9
70 10.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 54.422 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 117 Resp: 683676
Ion Ratio Lower Upper
117 100
119 96.0 77.9 116.9
121 30.2 24.7 37.1

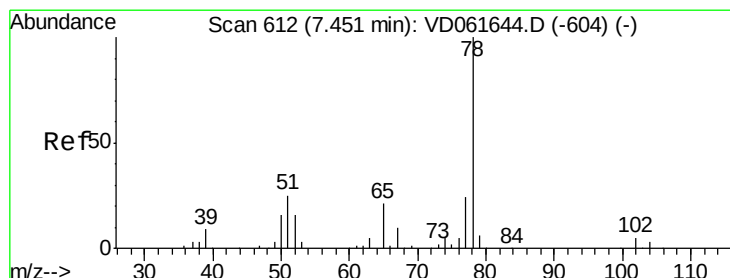
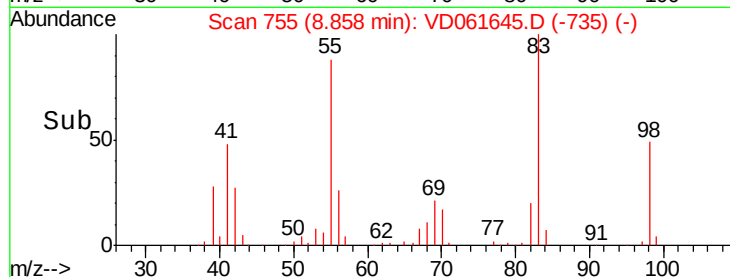
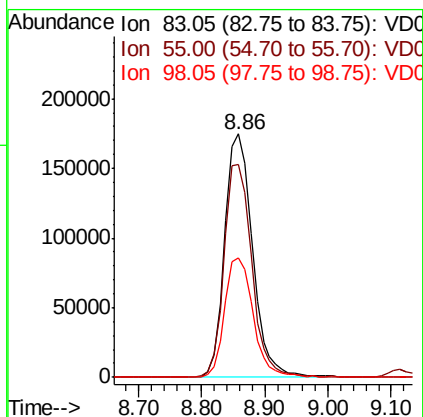
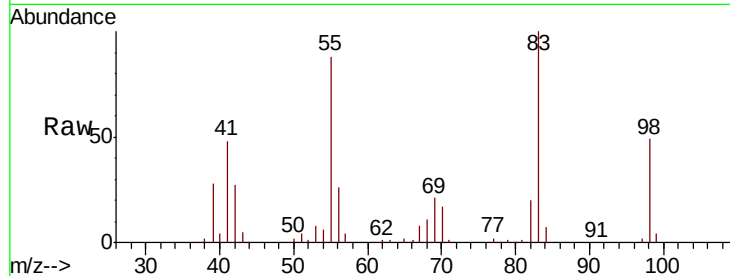




#39
Methylvlcyclohexane
Concen: 48.726 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

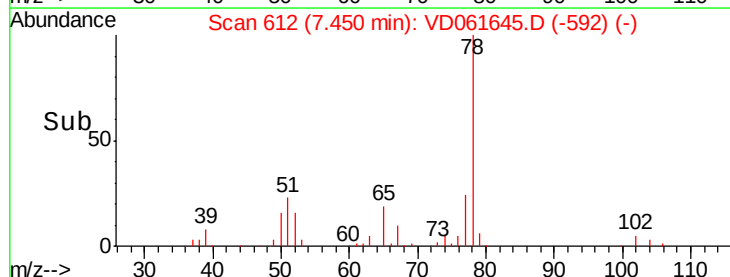
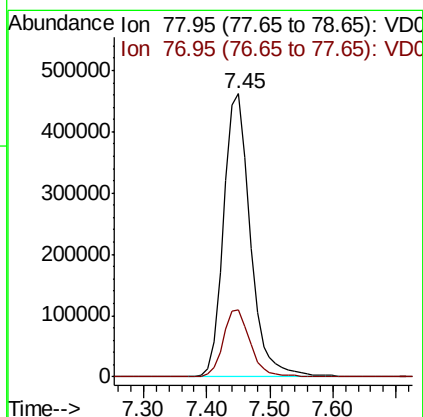
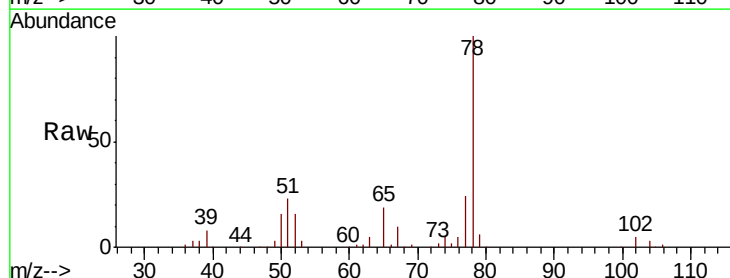
Instrument :
MSVOA_D
ClientSampled :

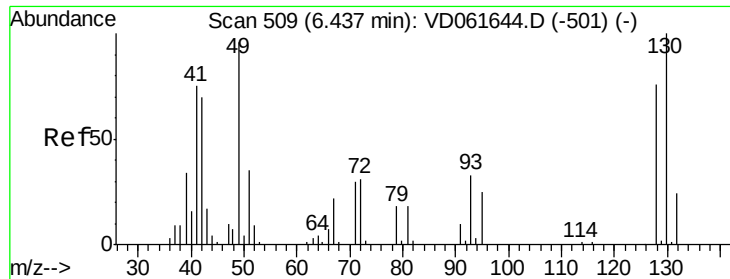
Tot Ion: 83 Resp: 536205
Ion Ratio Lower Upper
83 100
55 87.7 70.3 105.5
98 48.9 41.0 61.6



#40
Benzene
Concen: 52.773 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 78 Resp: 1364652
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3

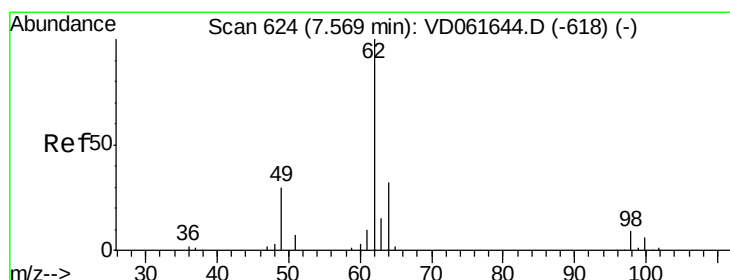
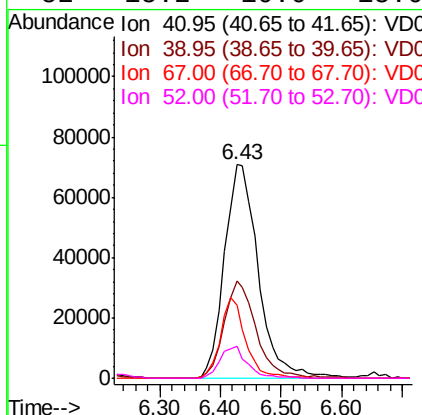
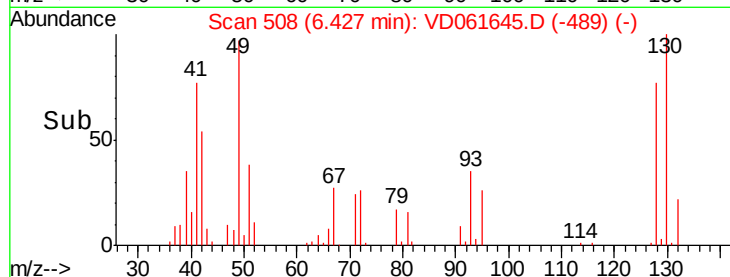
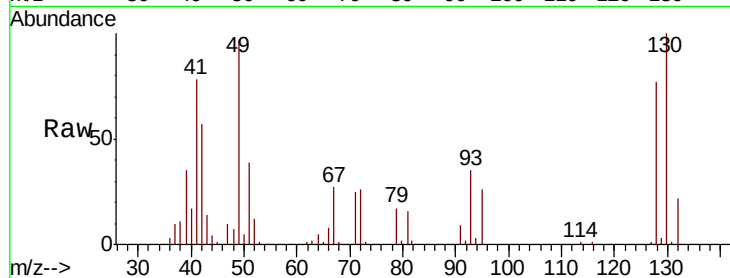




#41
Methacrylonitrile
Concen: 53.912 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

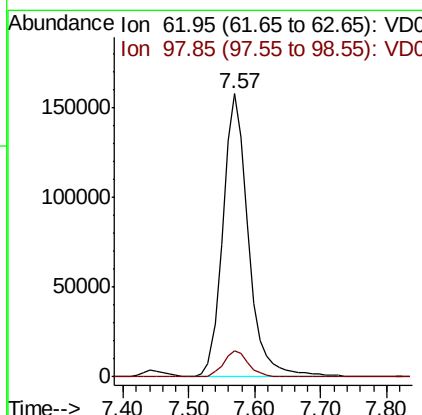
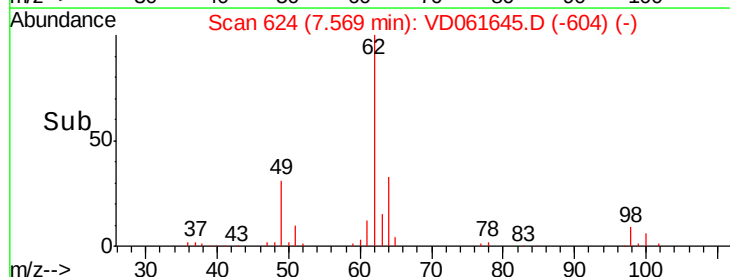
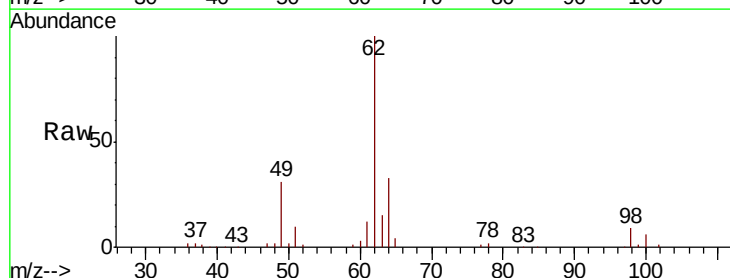
Instrument :
MSVOA_D
ClientSampled :

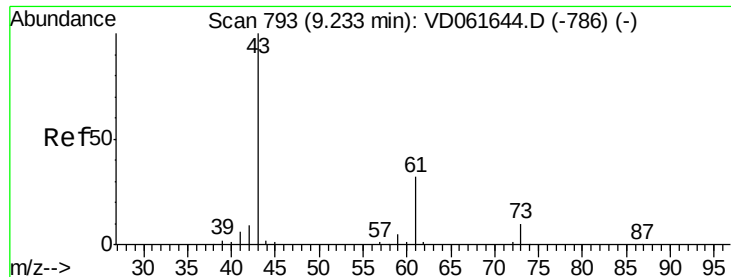
Tot Ion: 41 Resp: 274769
Ion Ratio Lower Upper
41 100
39 45.5 36.2 54.2
67 34.4 23.2 34.8
52 15.2 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 52.573 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 62 Resp: 427544
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.8





#43

Isopropyl Acetate

Concen: 53.376 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

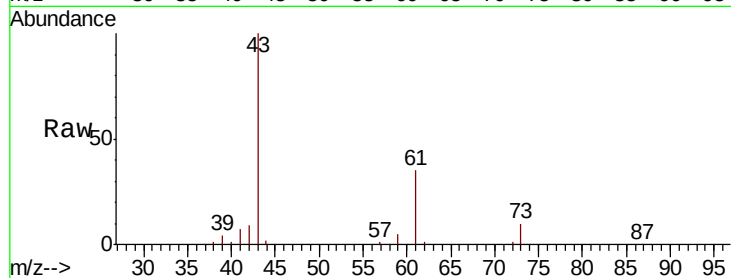
Tot Ion: 43 Resp: 338203

Ion Ratio Lower Upper

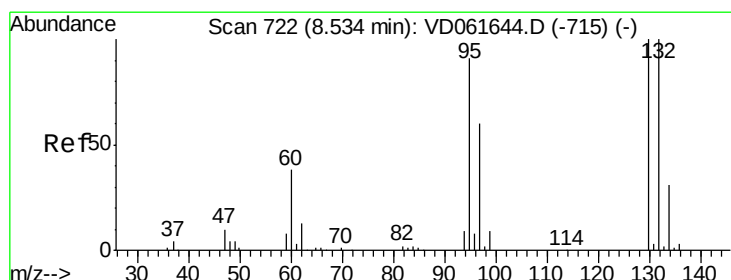
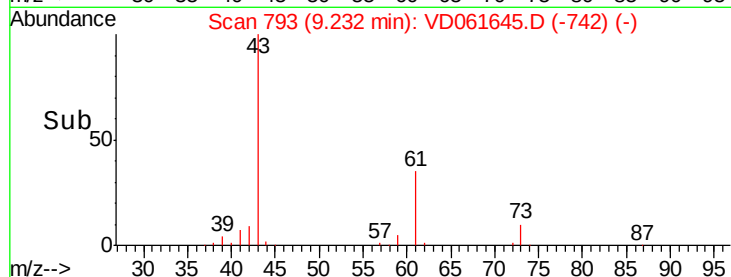
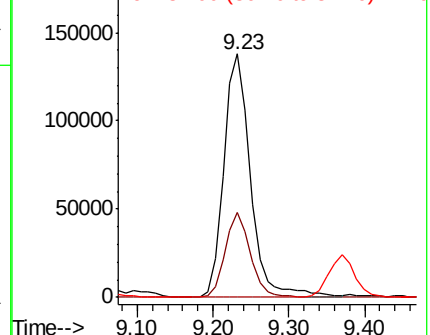
43 100

61 34.8 25.9 38.9

87 0.3 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: 51.176 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD061645.D

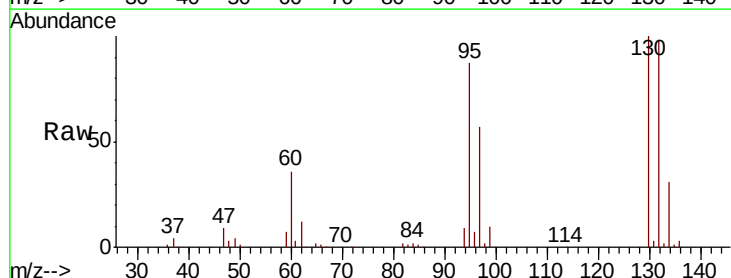
Acq: 6 Apr 2019 16:35

Tgt Ion:130 Resp: 507338

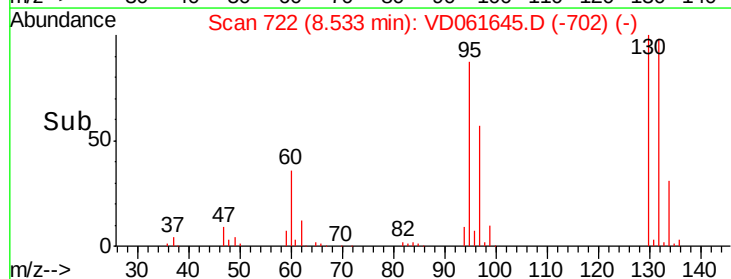
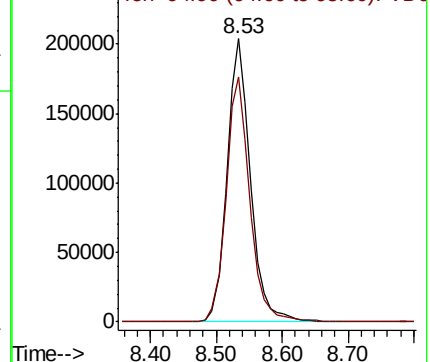
Ion Ratio Lower Upper

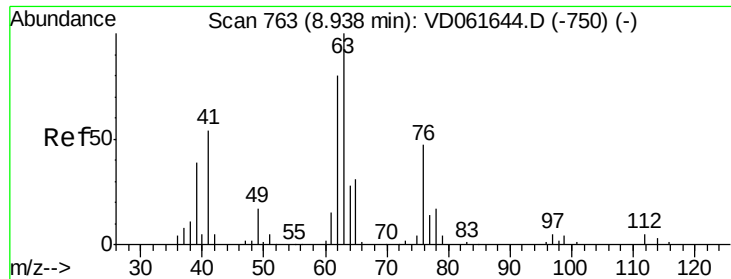
130 100

95 86.6 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: 52.667 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

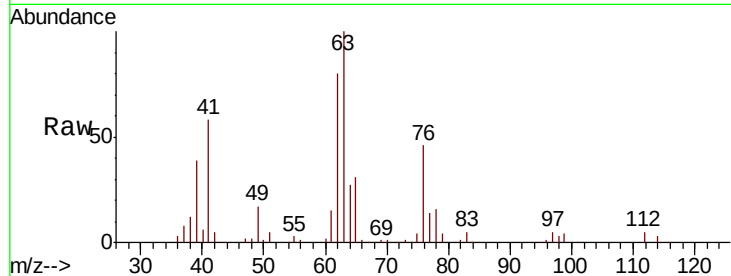
ClientSampleId :

Tot Ion: 63 Resp: 337747

Ion Ratio Lower Upper

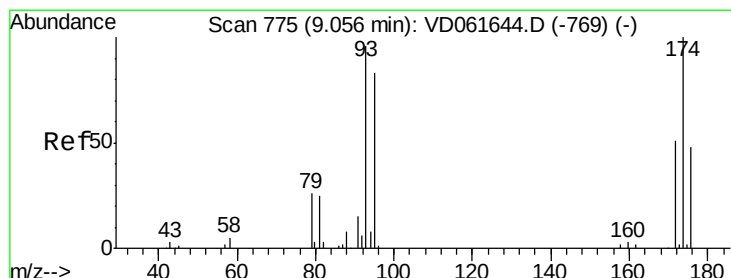
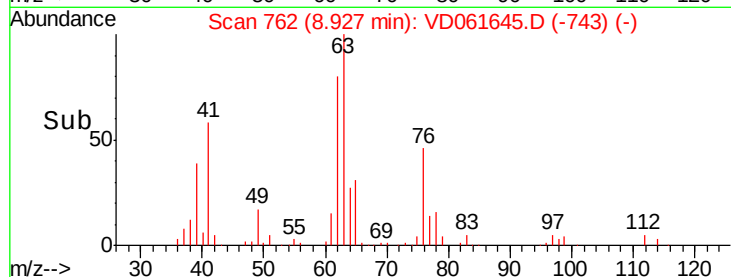
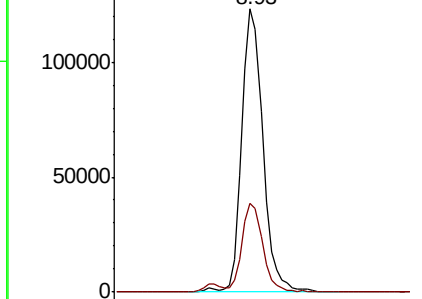
63 100

65 31.3 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: 51.848 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

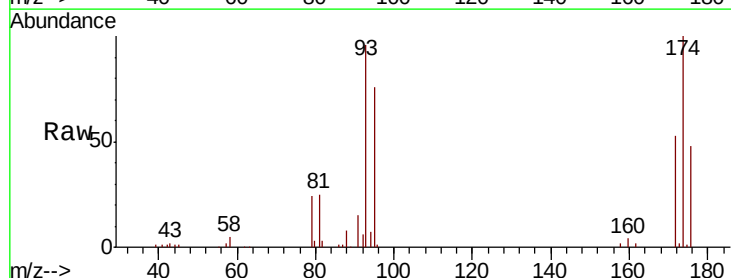
Tgt Ion: 93 Resp: 237634

Ion Ratio Lower Upper

93 100

95 79.5 68.6 103.0

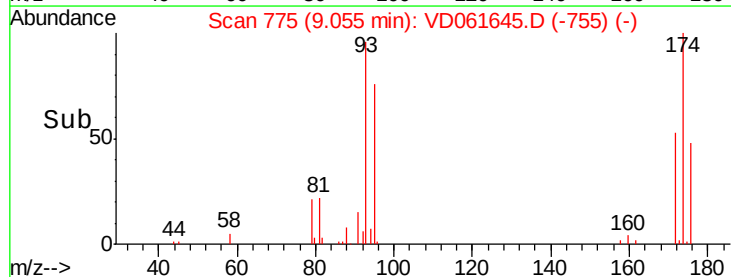
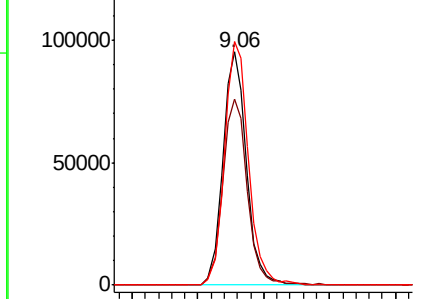
174 104.4 83.0 124.4

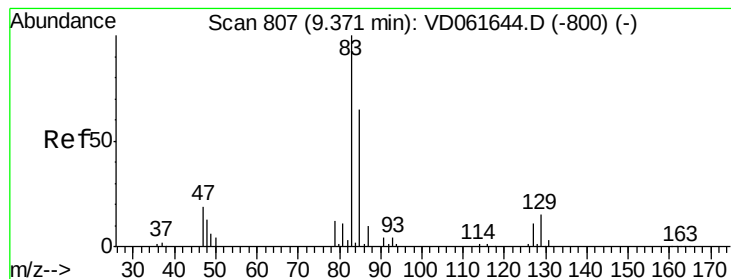


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.214 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampled :

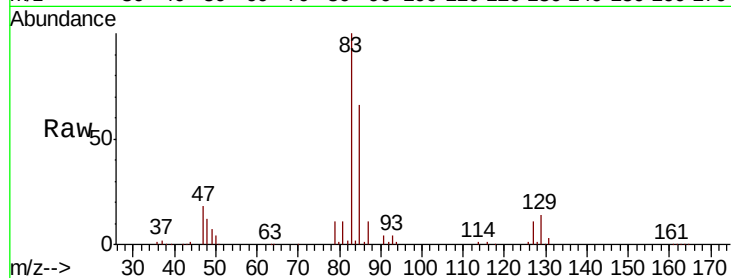
Tot Ion: 83 Resp: 535666

Ion Ratio Lower Upper

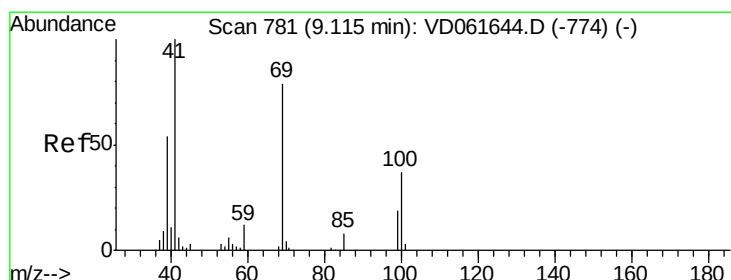
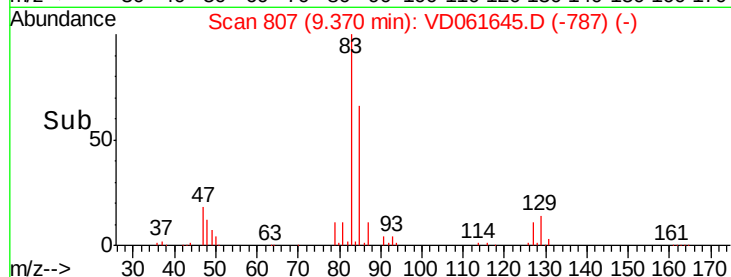
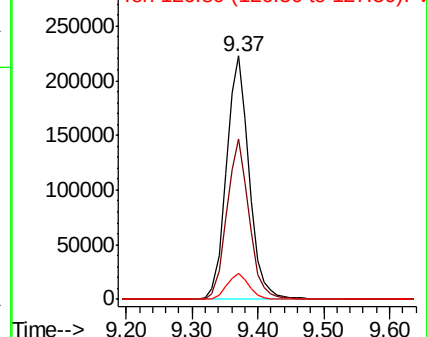
83 100

85 65.7 51.8 77.6

127 10.5 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: 50.464 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

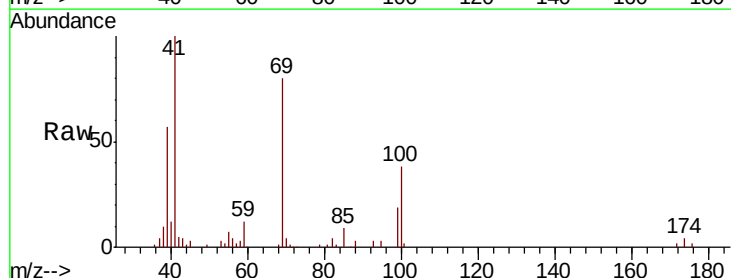
Tgt Ion: 41 Resp: 184315

Ion Ratio Lower Upper

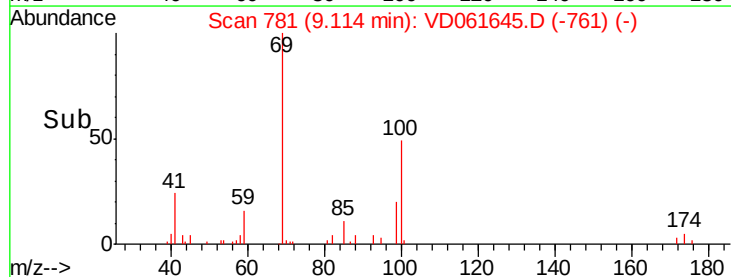
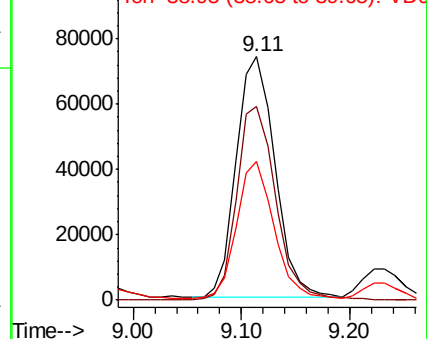
41 100

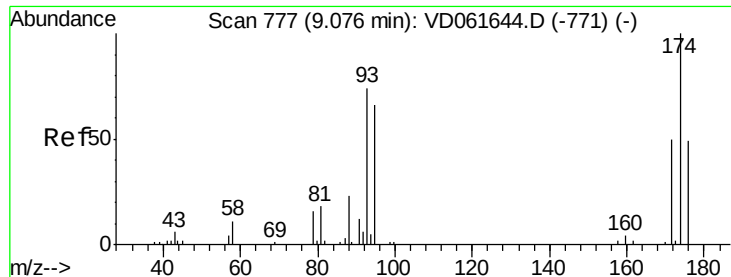
69 79.6 63.1 94.7

39 57.2 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

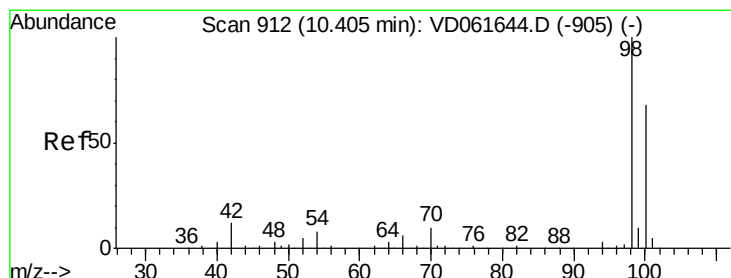
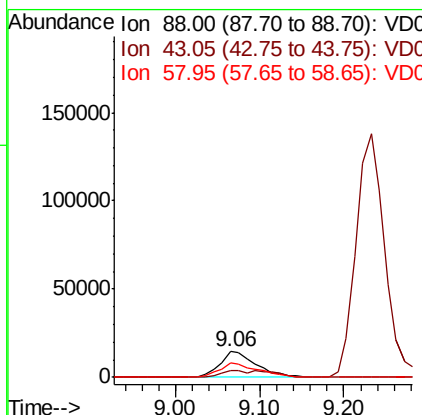
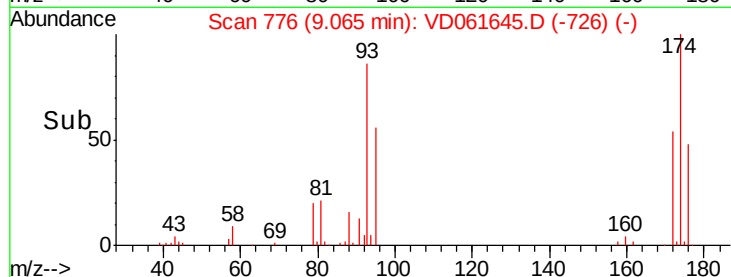
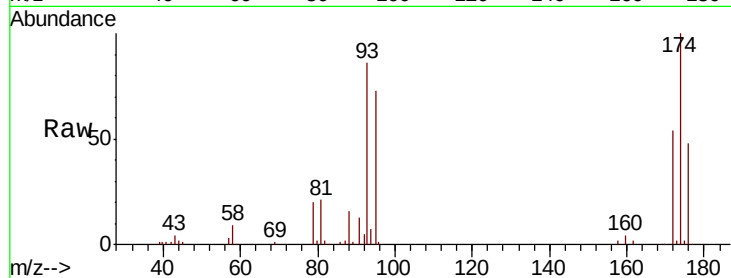




#49
1,4-Dioxane
Concen: 1087.903 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

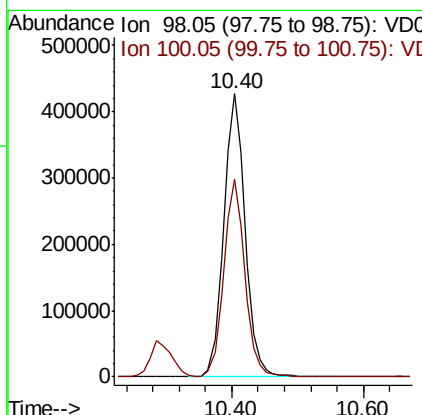
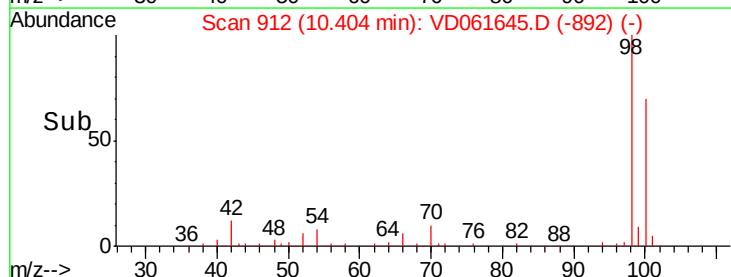
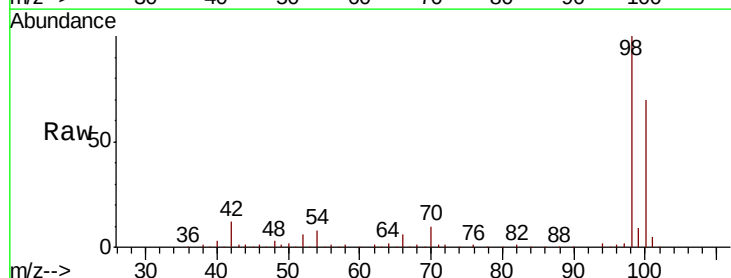
Instrument :
MSVOA_D
ClientSampleId :

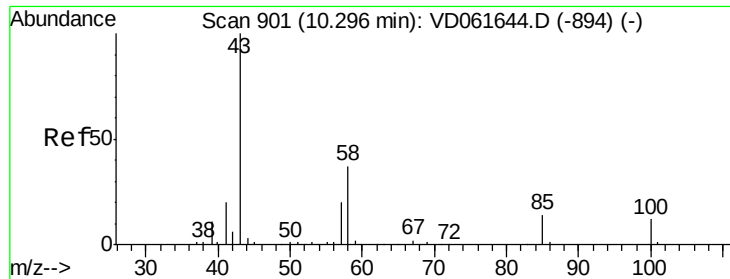
Tot Ion: 88 Resp: 43859
Ion Ratio Lower Upper
88 100
43 27.0 21.8 32.8
58 55.9 40.2 60.2



#50
Toluene-d8
Concen: 1087.903 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 98 Resp: 969552
Ion Ratio Lower Upper
98 100
100 69.8 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 268.542 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

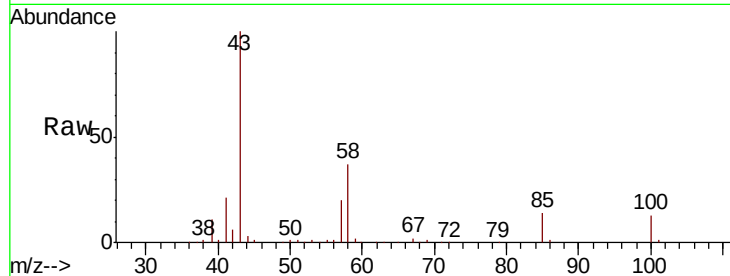
ClientSampled :

Tot Ion: 43 Resp: 1006287

Ion Ratio Lower Upper

43 100

58 36.8 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

400000

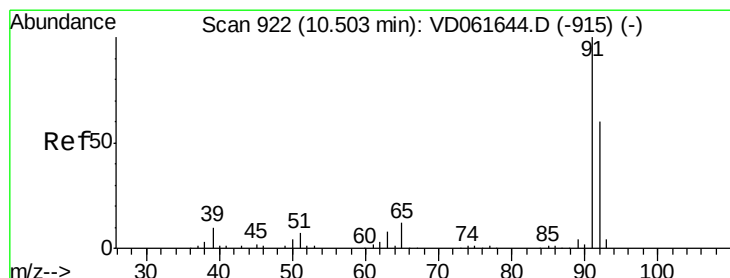
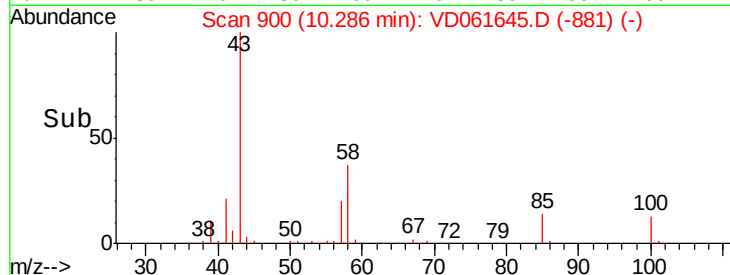
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.484 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061645.D

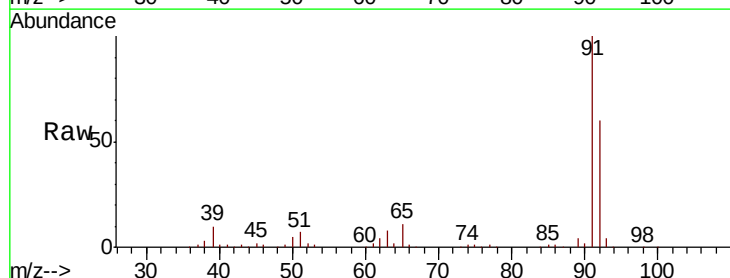
Acq: 6 Apr 2019 16:35

Tgt Ion: 92 Resp: 831339

Ion Ratio Lower Upper

92 100

91 167.5 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

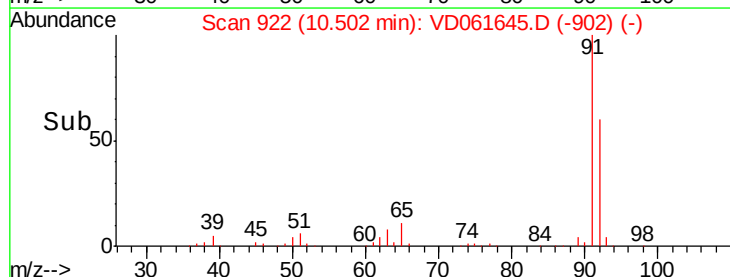
600000

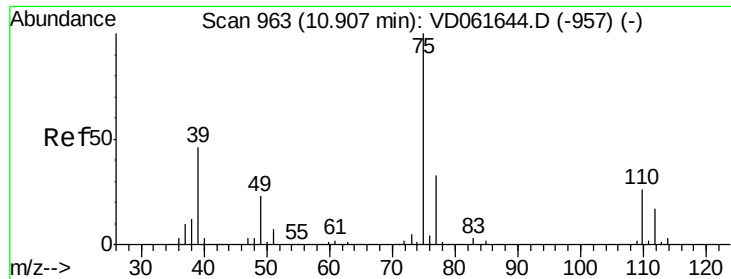
400000

200000

0

Time-->

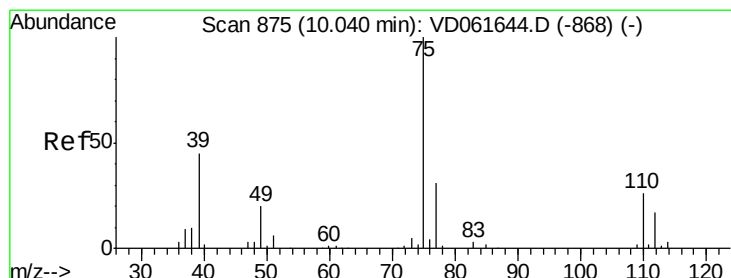
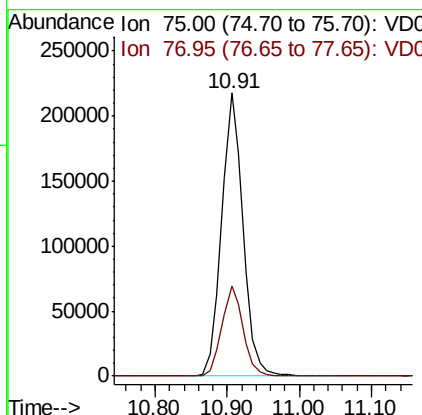
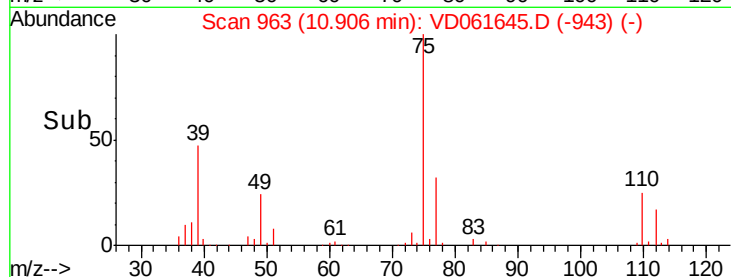
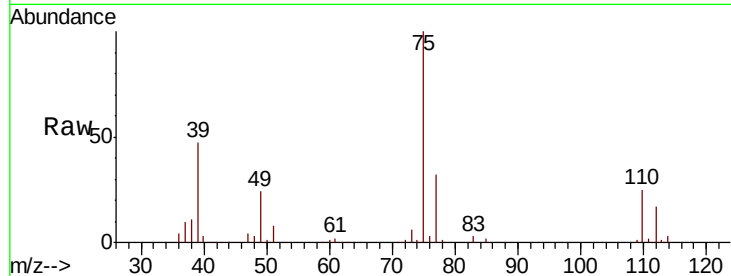




#53
 t-1,3-Dichloropropene
 Concen: 50.512 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

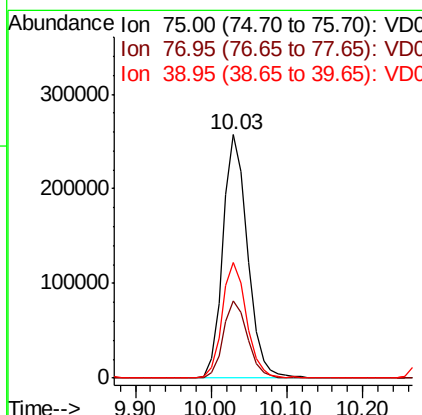
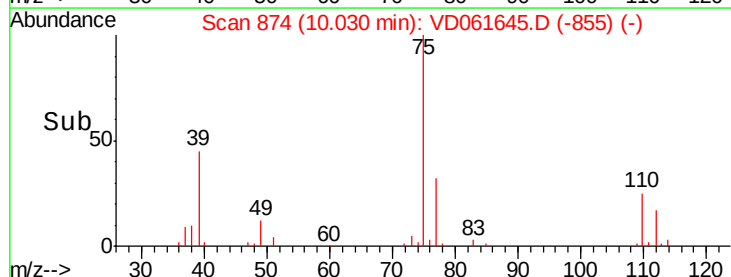
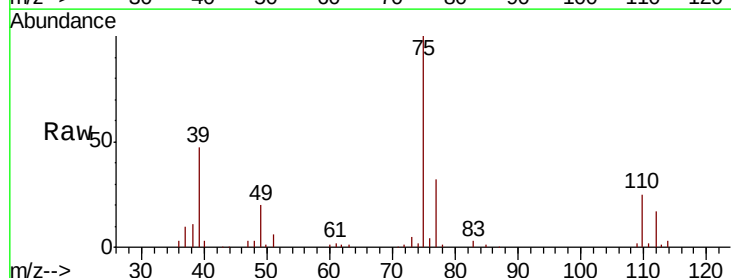
Instrument :
 MSVOA_D
 ClientSampleId :

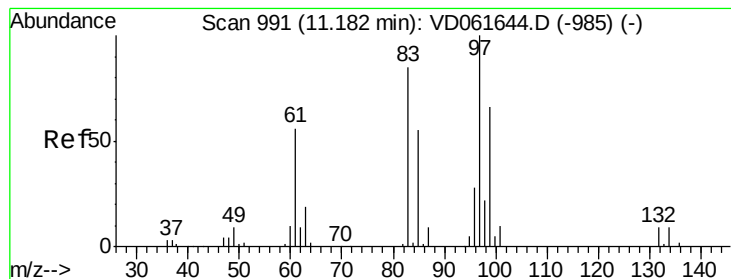
Tot Ion: 75 Resp: 445703
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 53.381 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion: 75 Resp: 580643
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0
 39 47.3 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 51.866 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 282463

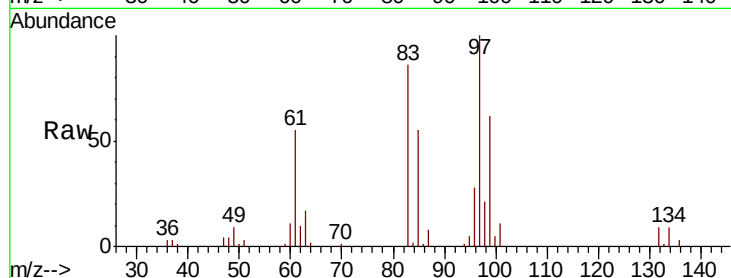
Ion Ratio Lower Upper

97 100

83 86.4 67.8 101.6

85 55.3 43.8 65.8

99 62.2 52.8 79.2

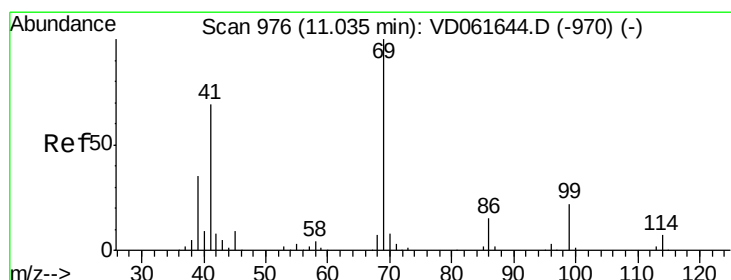
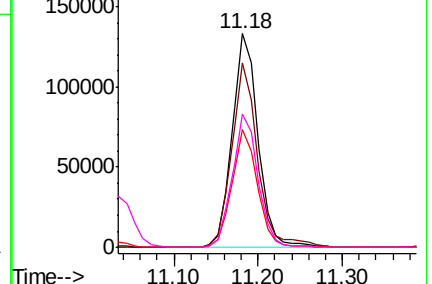
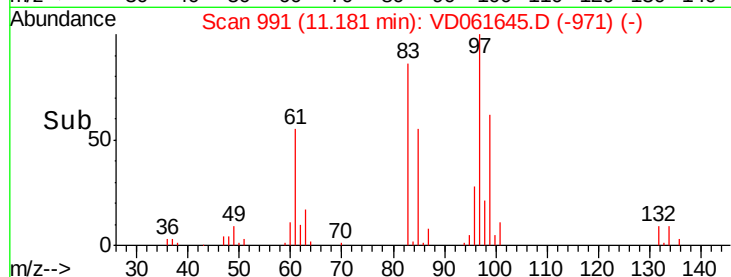


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 53.574 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

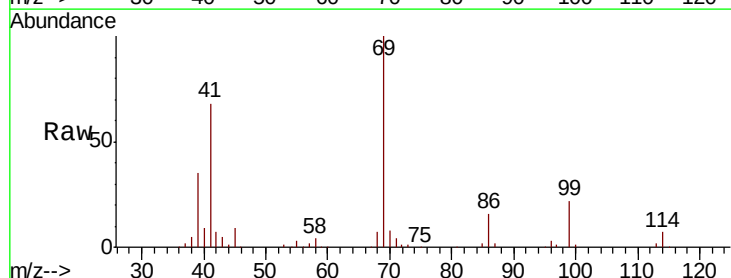
Tgt Ion: 69 Resp: 307798

Ion Ratio Lower Upper

69 100

41 67.7 55.2 82.8

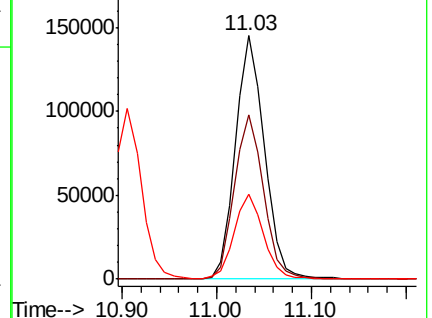
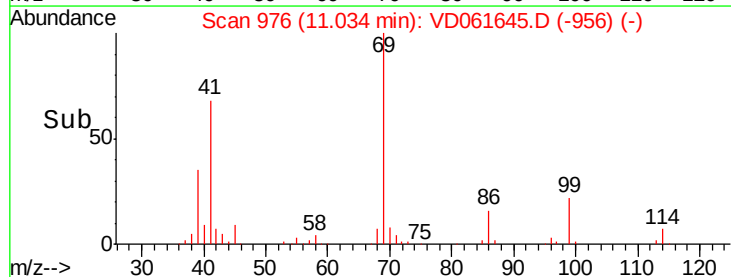
39 35.0 28.6 43.0

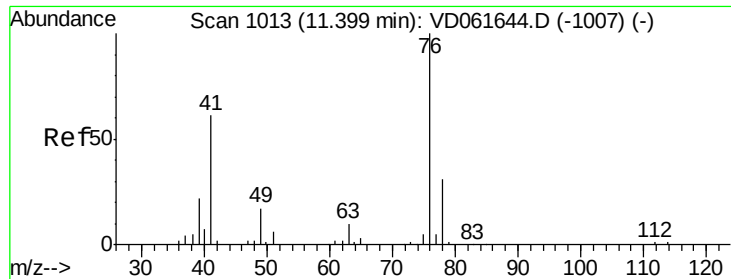


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.160 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

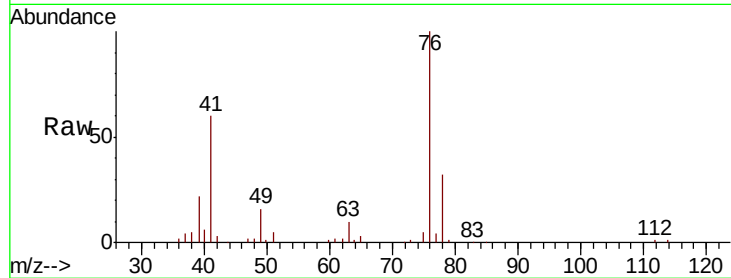
ClientSampleId :

Tot Ion: 76 Resp: 423977

Ion Ratio Lower Upper

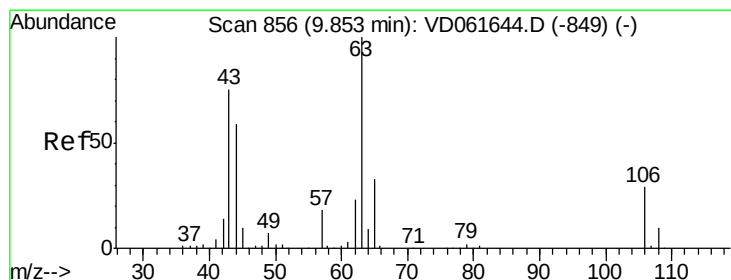
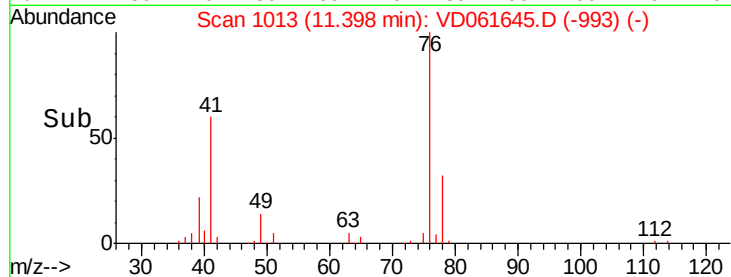
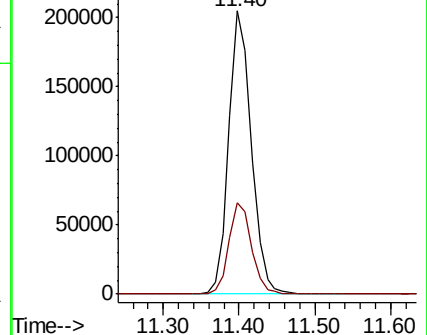
76 100

78 32.2 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: 255.538 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD061645.D

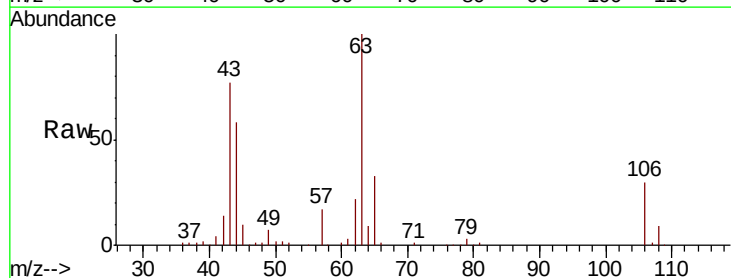
Acq: 6 Apr 2019 16:35

Tgt Ion: 63 Resp: 692726

Ion Ratio Lower Upper

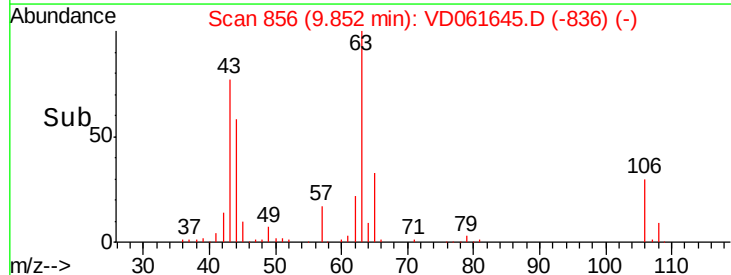
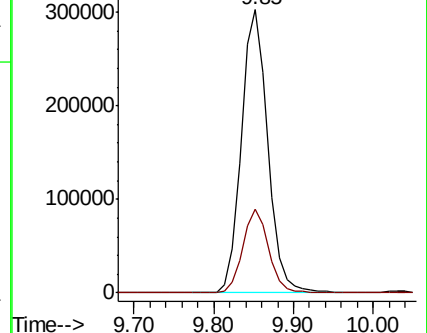
63 100

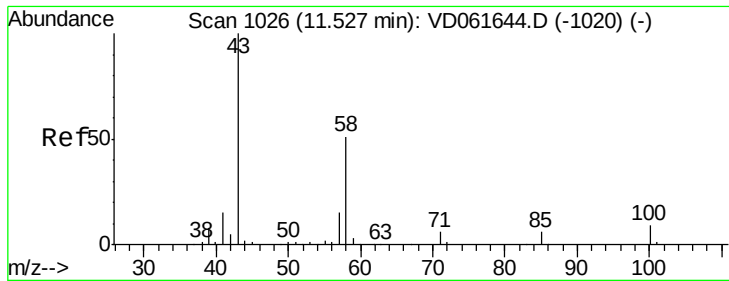
106 29.6 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

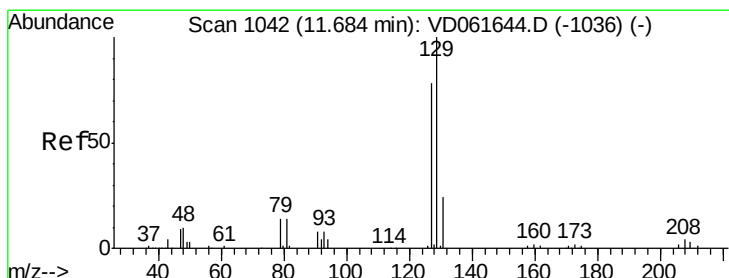
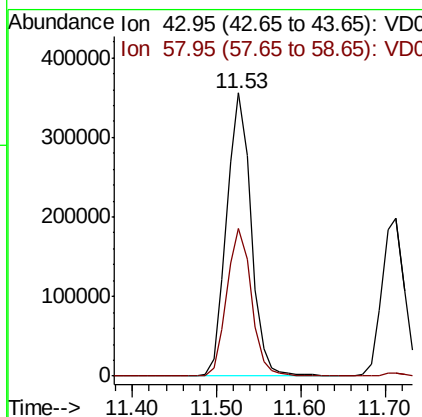
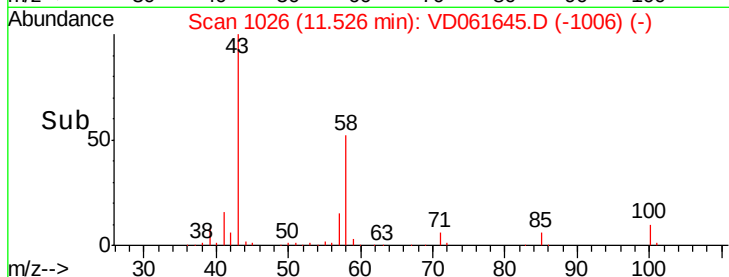
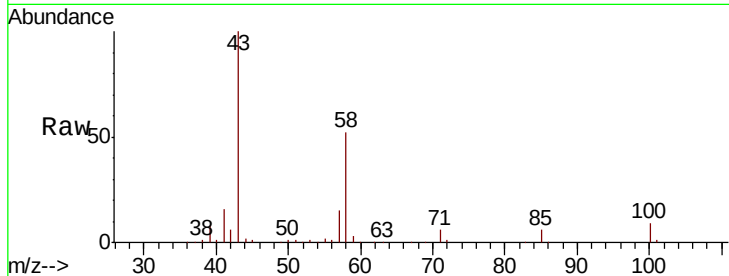




#59
2-Hexanone
Concen: 247.248 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

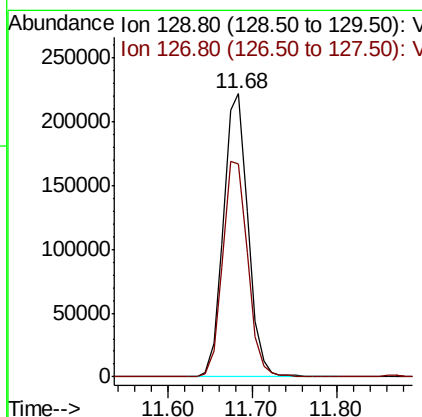
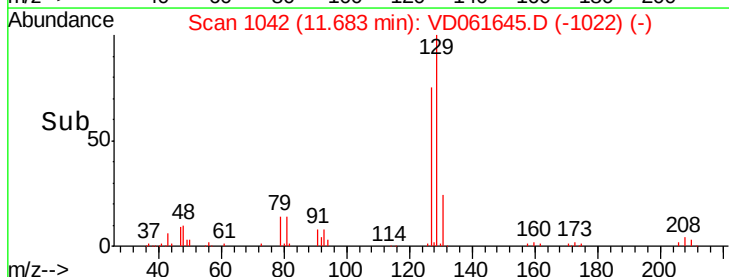
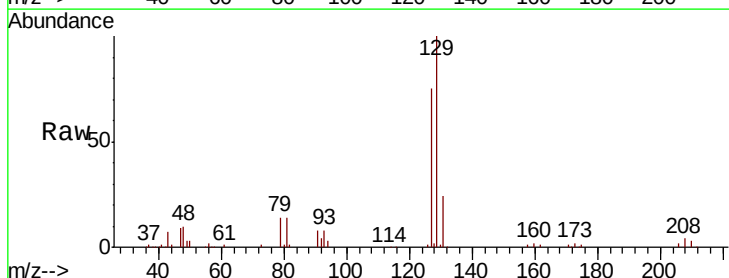
Instrument :
MSVOA_D
ClientSampled :

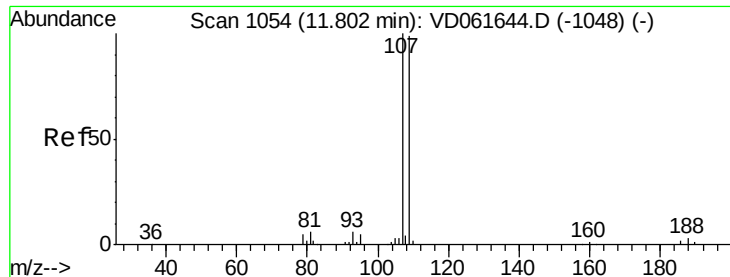
Tot Ion: 43 Resp: 719032
Ion Ratio Lower Upper
43 100
58 52.4 25.6 76.8



#60
Dibromochloromethane
Concen: 52.267 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion: 129 Resp: 449724
Ion Ratio Lower Upper
129 100
127 75.1 38.8 116.4





#61

1,2-Dibromoethane

Concen: 53.625 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

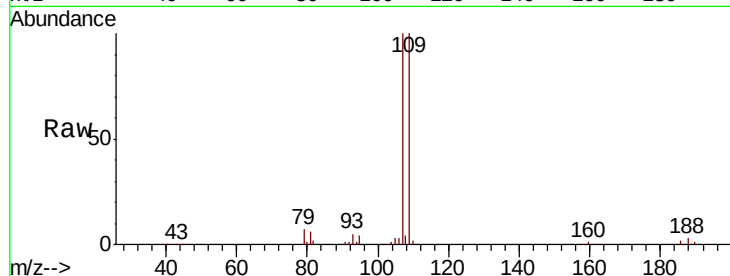
ClientSampleId :

Tot Ion:107 Resp: 341540

Ion Ratio Lower Upper

107 100

109 100.4 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

200000

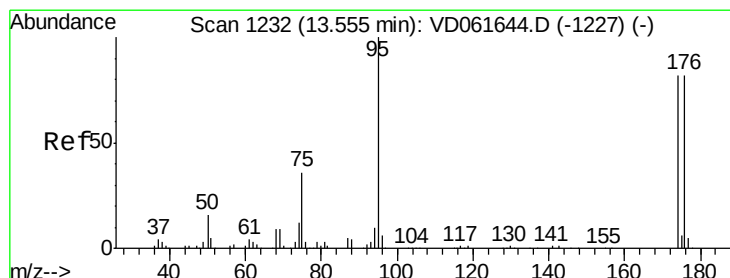
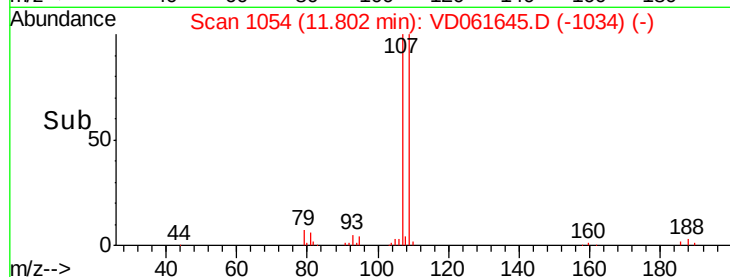
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.625 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

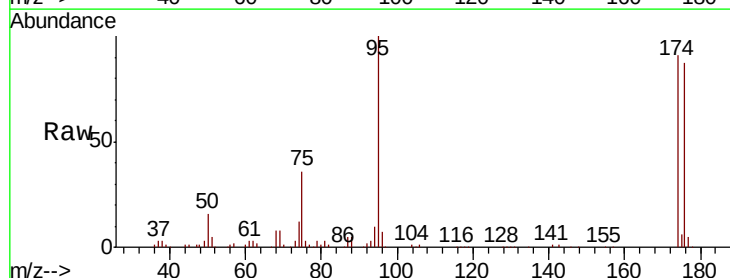
Tgt Ion: 95 Resp: 360966

Ion Ratio Lower Upper

95 100

174 91.0 0.0 164.6

176 86.7 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.55

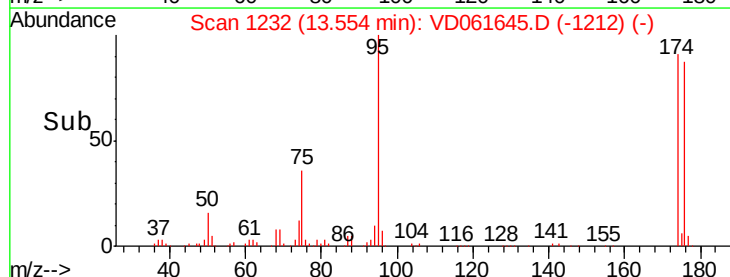
300000

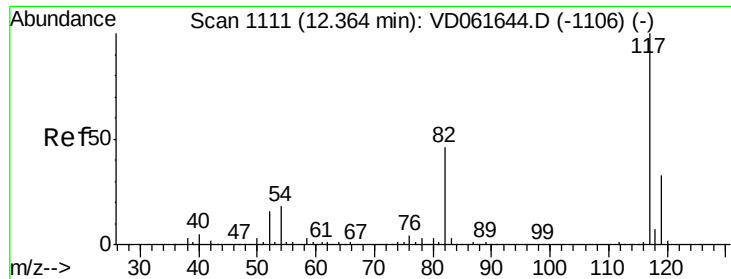
200000

100000

0

Time-->

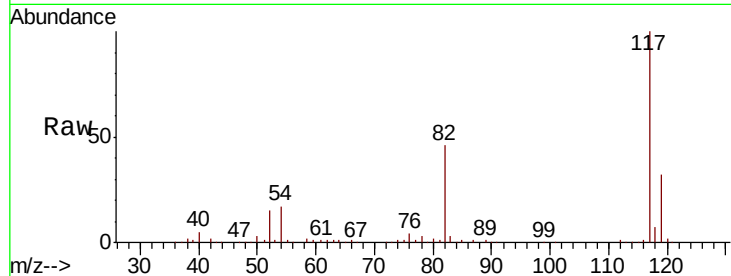




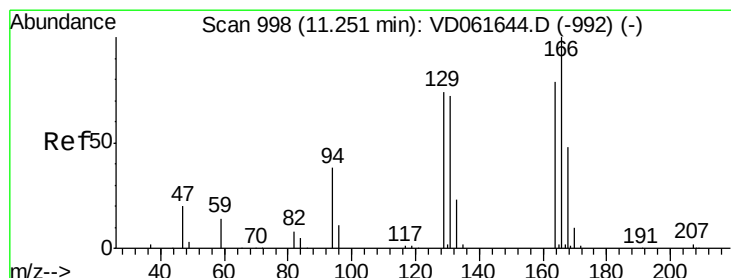
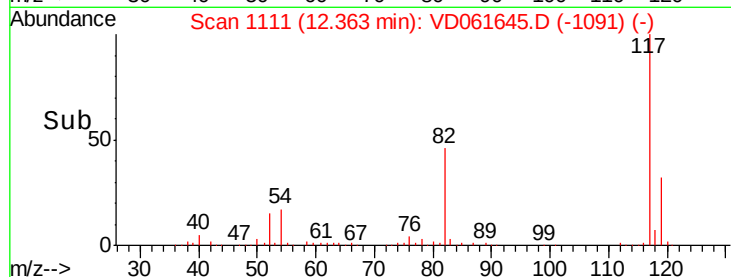
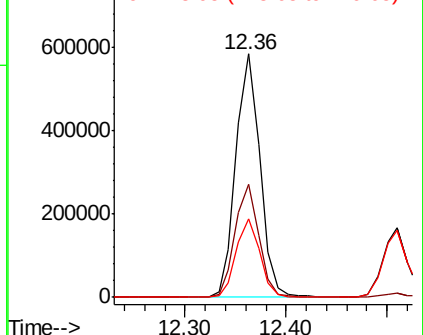
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 974578
Ion Ratio Lower Upper
117 100
82 46.2 36.8 55.2
119 32.0 26.1 39.1

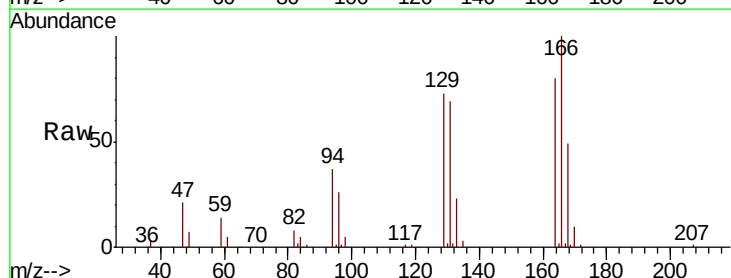


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

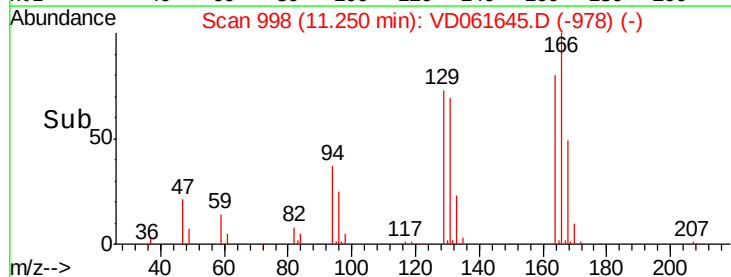
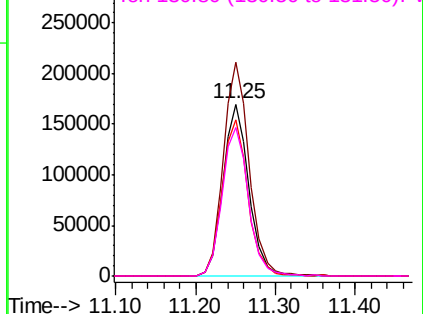


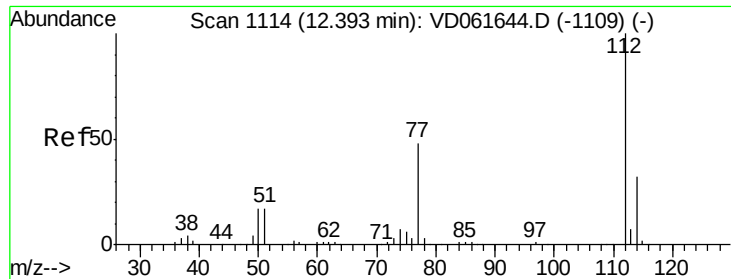
#64
Tetrachloroethene
Concen: 50.949 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion:164 Resp: 385428
Ion Ratio Lower Upper
164 100
166 124.5 101.8 152.8
129 91.3 75.4 113.0
131 86.4 73.6 110.4



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

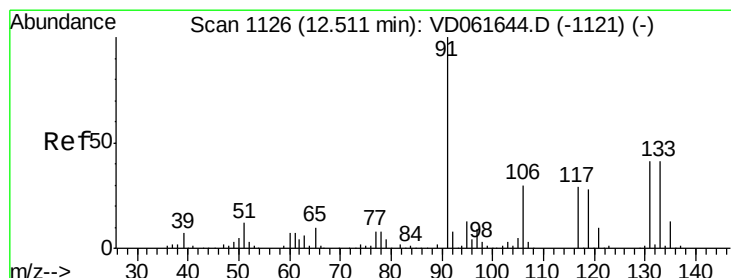
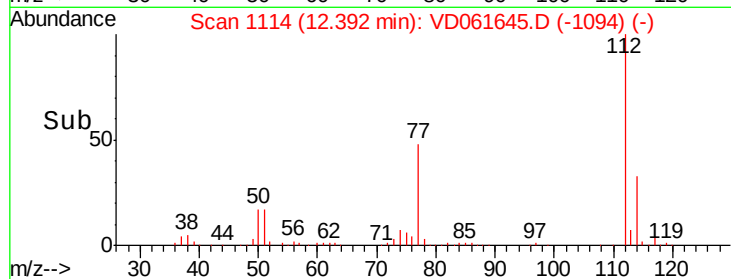
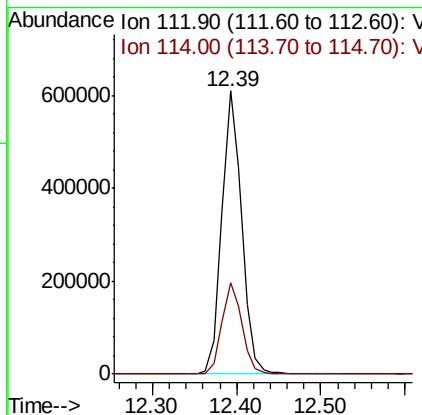
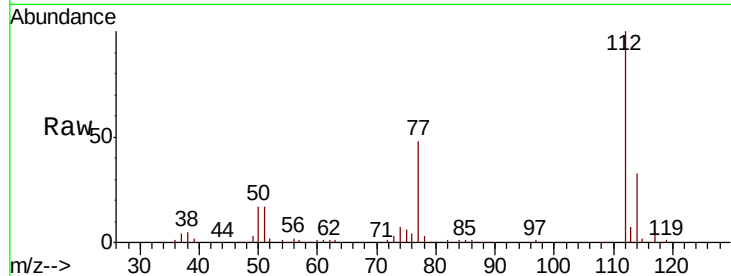




#65
Chlorobenzene
Concen: 51.578 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

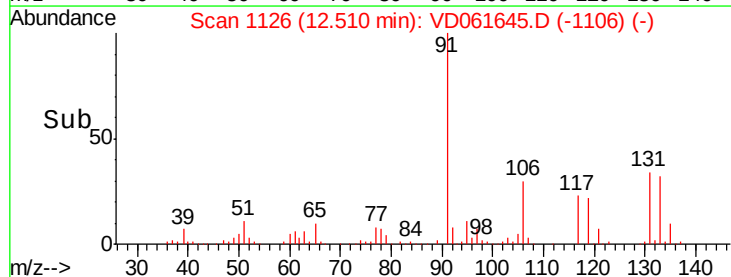
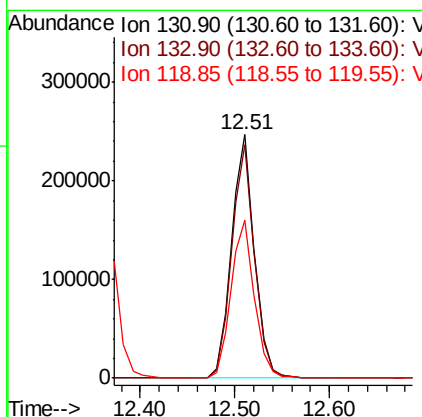
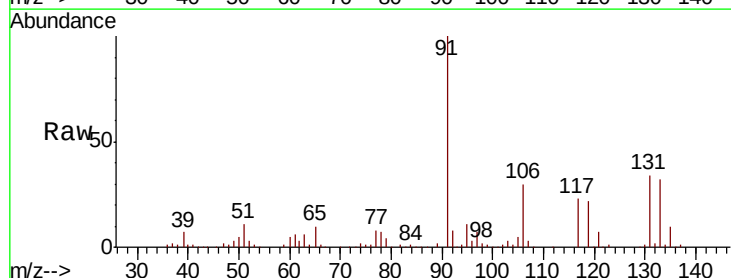
Instrument :
MSVOA_D
ClientSampleId :

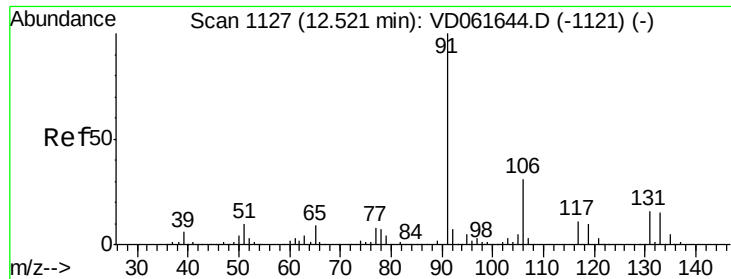
Tot Ion:112 Resp: 996851
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.261 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion:131 Resp: 410984
Ion Ratio Lower Upper
131 100
133 95.7 49.5 148.3
119 64.6 34.7 104.1

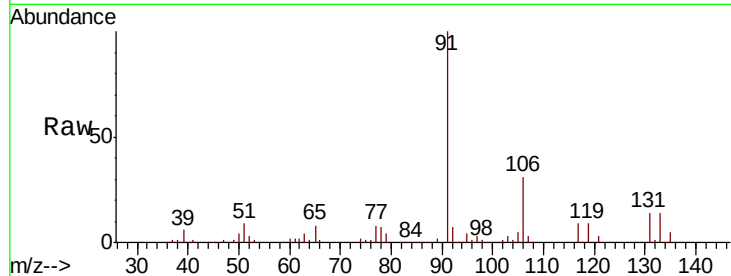




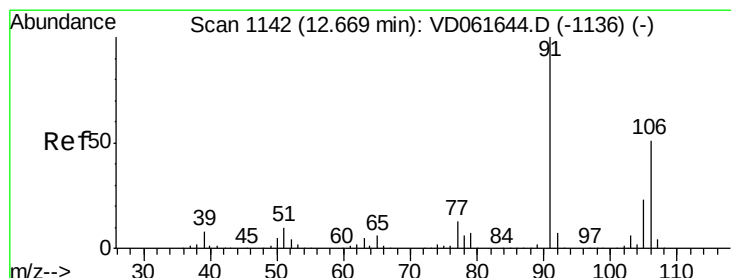
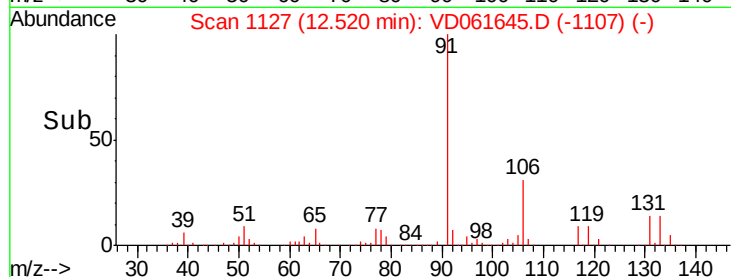
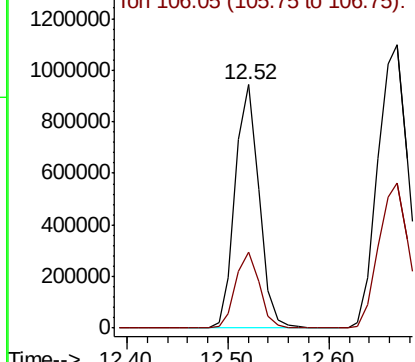
#67
Ethyl Benzene
Concen: 52.774 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1553202
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0

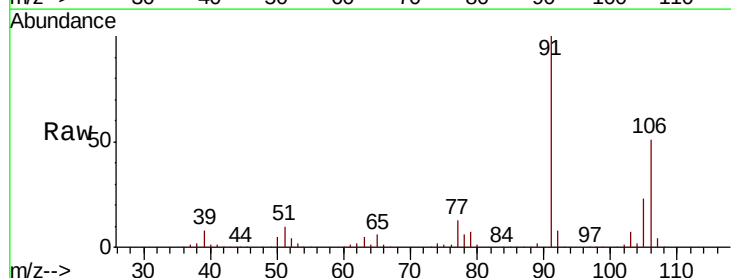


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

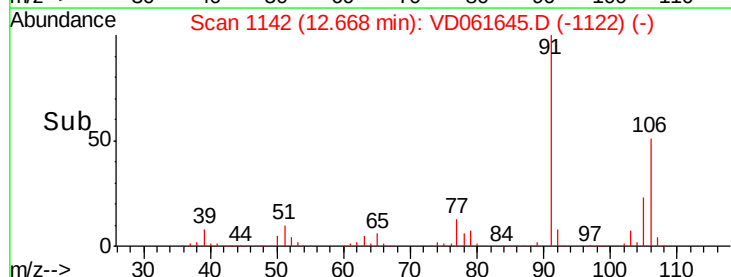
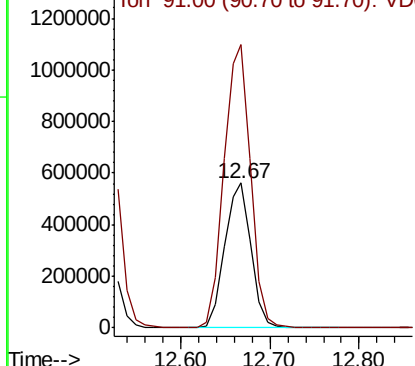


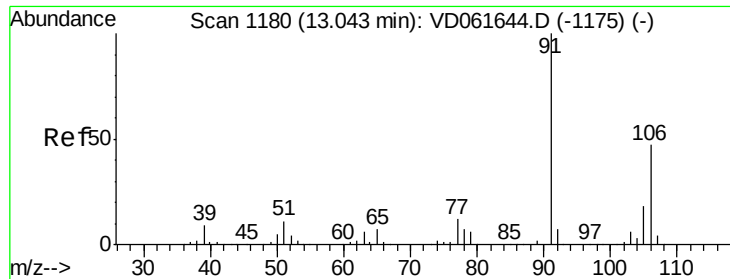
#68
m/p-Xylenes
Concen: 102.264 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion:106 Resp: 1160326
Ion Ratio Lower Upper
106 100
91 195.7 156.7 235.1



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

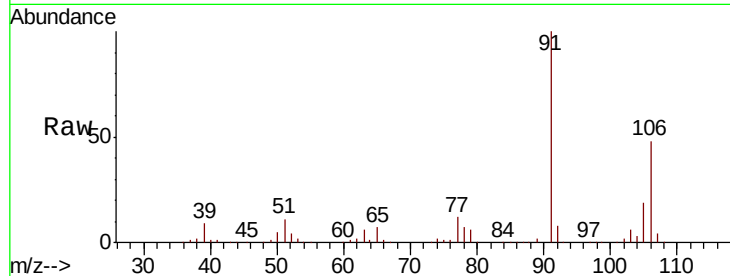




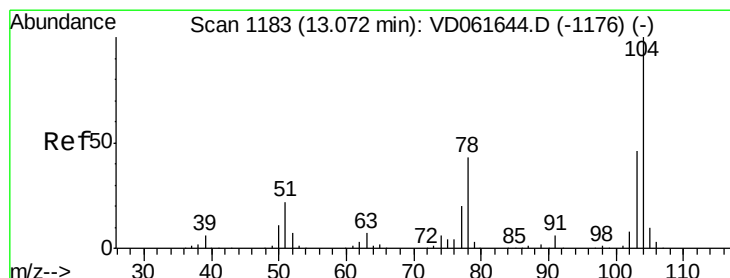
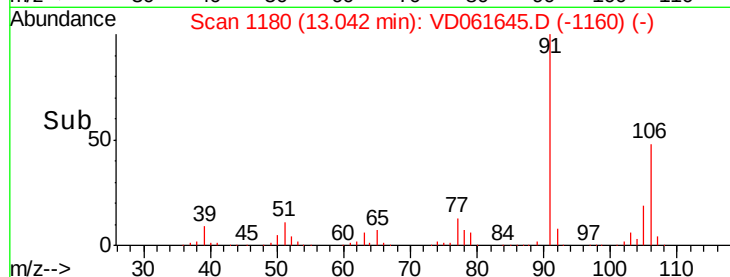
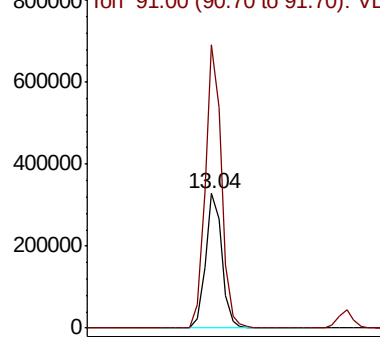
#69
o-Xylene
Concen: 47.307 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 518132
Ion Ratio Lower Upper
106 100
91 210.3 107.3 321.9

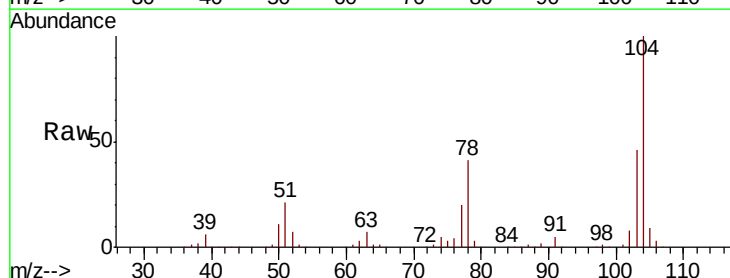


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

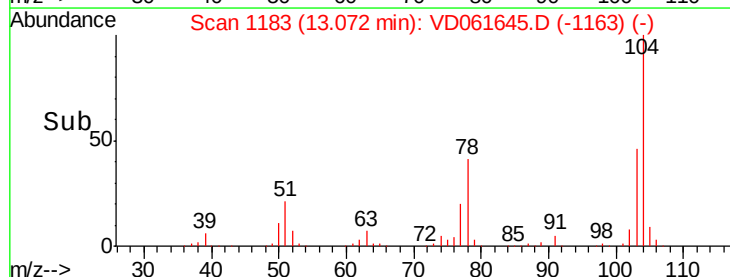
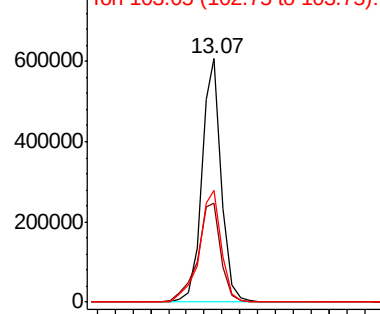


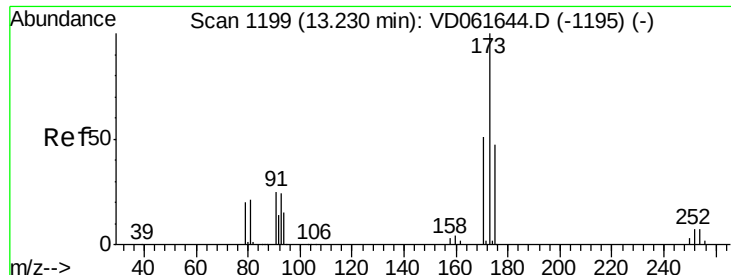
#70
Styrene
Concen: 49.634 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion:104 Resp: 928394
Ion Ratio Lower Upper
104 100
78 40.5 34.2 51.4
103 45.9 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: 56.335 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampled :

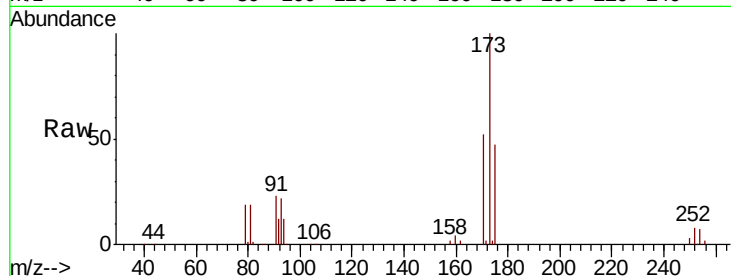
Tot Ion:173 Resp: 259952

Ion Ratio Lower Upper

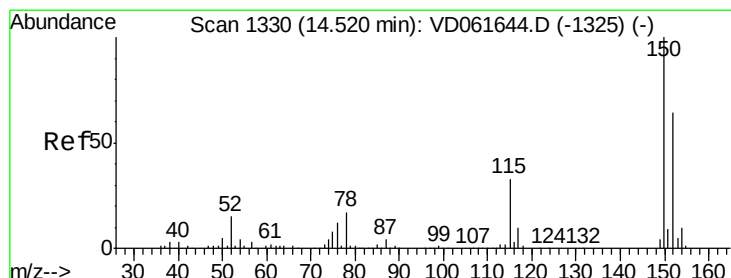
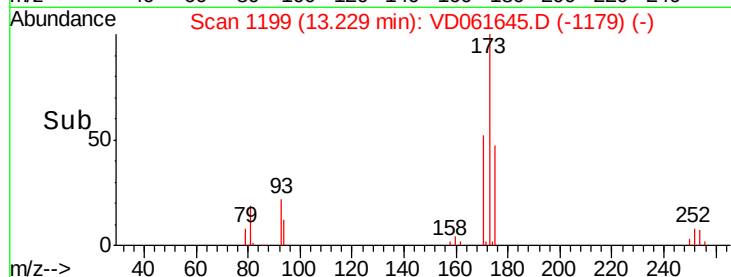
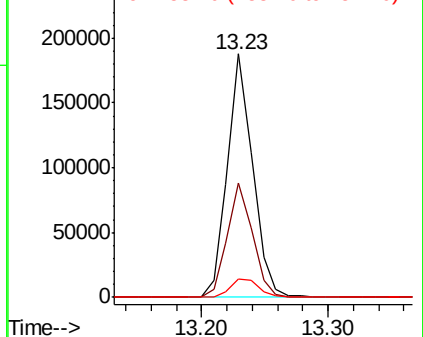
173 100

175 47.0 23.7 71.1

254 7.5 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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

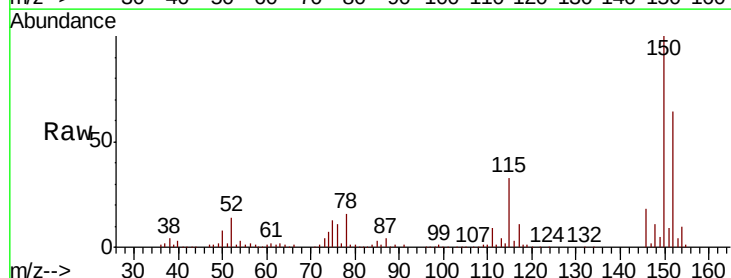
Tgt Ion:152 Resp: 442943

Ion Ratio Lower Upper

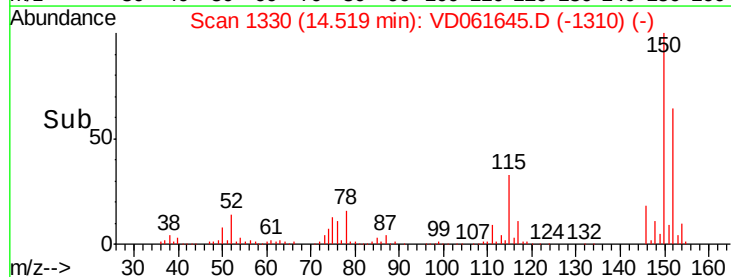
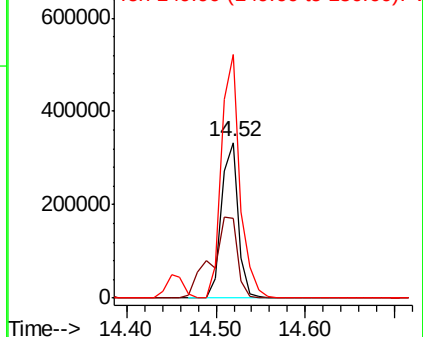
152 100

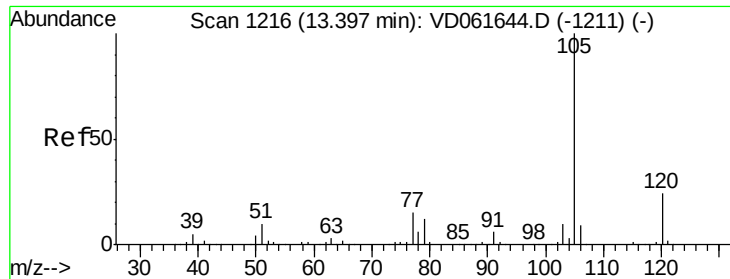
115 51.1 26.4 79.2

150 156.1 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: 52.142 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

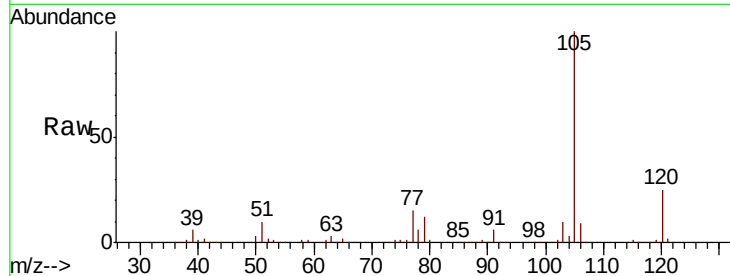
ClientSampleId :

Tot Ion:105 Resp: 1538910

Ion Ratio Lower Upper

105 100

120 25.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

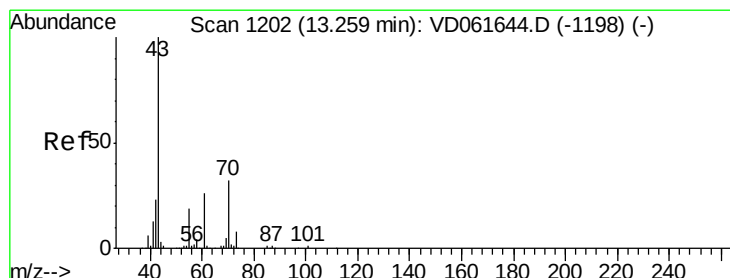
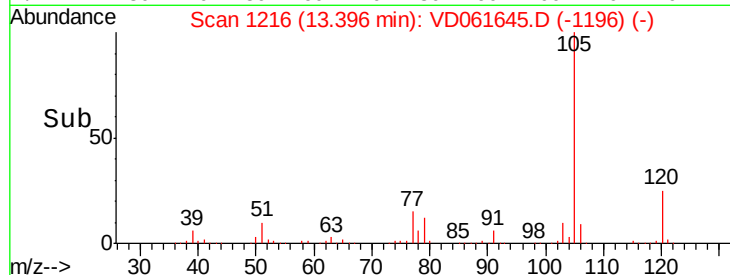
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 55.229 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Tgt Ion: 43 Resp: 442879

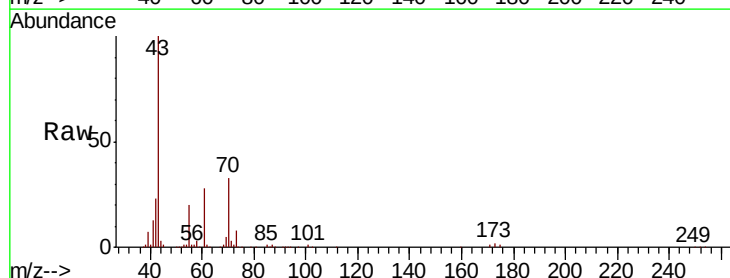
Ion Ratio Lower Upper

43 100

70 32.5 25.4 38.2

55 19.9 15.0 22.4

61 27.6 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

500000

400000

300000

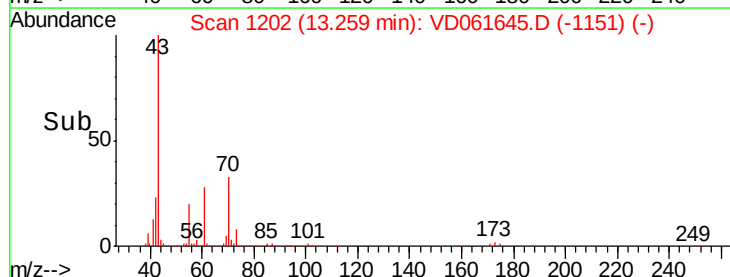
200000

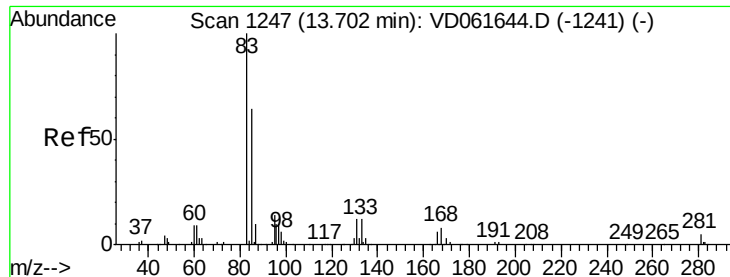
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.888 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

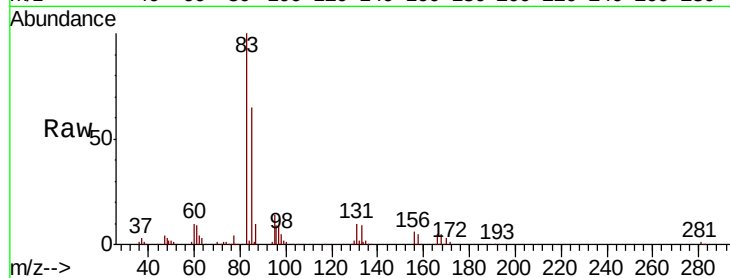
Tot Ion: 83 Resp: 322749

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.9	17.6
85	64.8	32.0	96.2

83 100

131 9.5 5.9 17.6

85 64.8 32.0 96.2



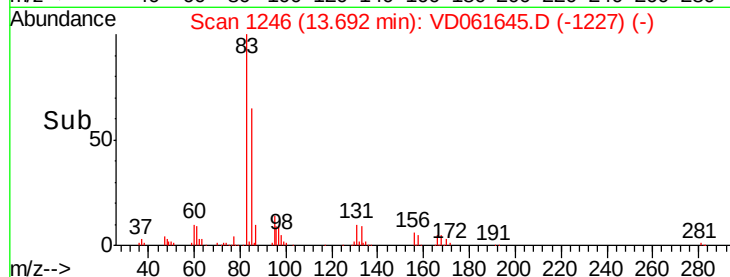
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

13.69

Time-->



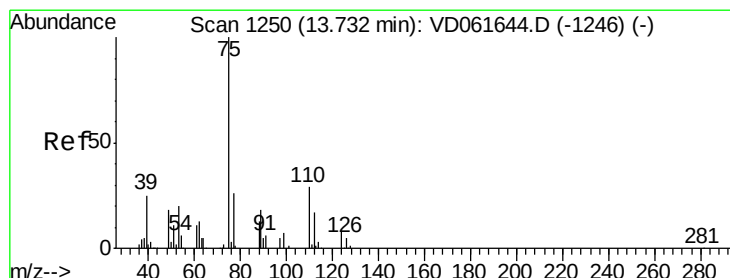
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

13.69

Time-->



#76

1,2,3-Trichloropropane

Concen: 51.459 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061645.D

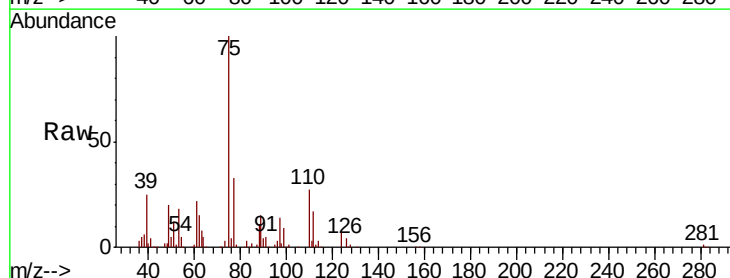
Acq: 6 Apr 2019 16:35

Tgt Ion: 75 Resp: 310104

Ion	Ratio	Lower	Upper
75	100		
77	33.2	15.7	47.1

75 100

77 33.2 15.7 47.1

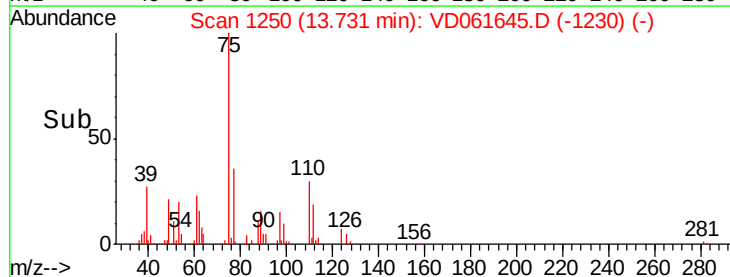


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.73

Time-->

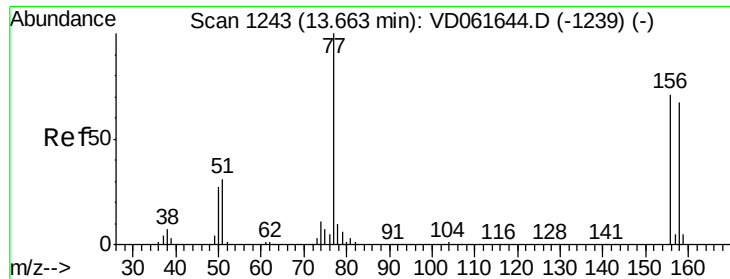


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.73

Time-->



#77

Bromobenzene

Concen: 50.162 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampled :

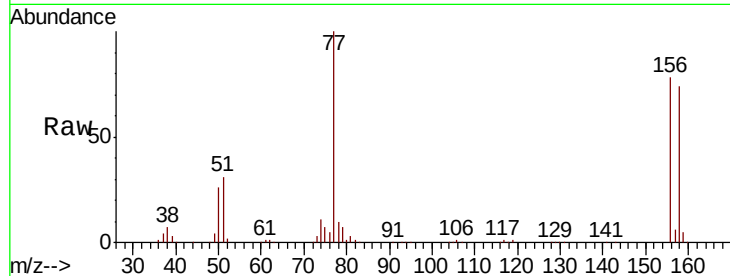
Tot Ion:156 Resp: 429730

Ion Ratio Lower Upper

156 100

77 128.3 70.3 210.8

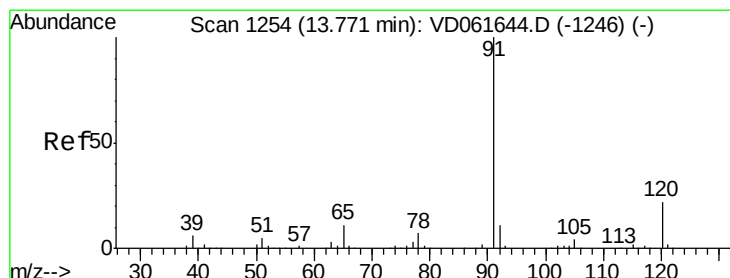
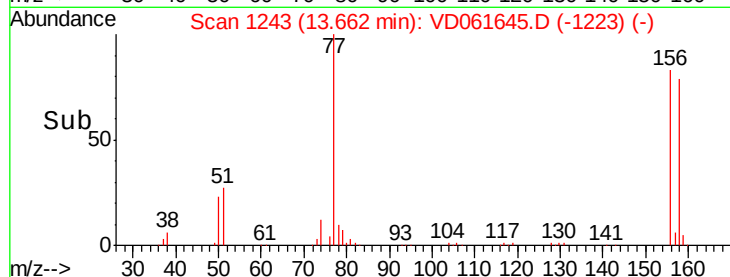
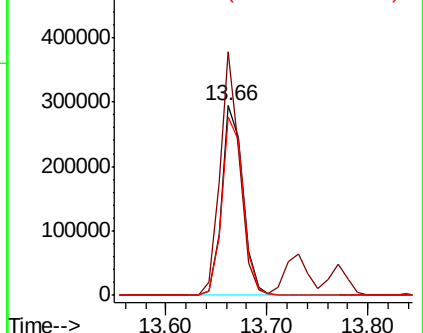
158 94.3 47.4 142.2



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: 45.833 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061645.D

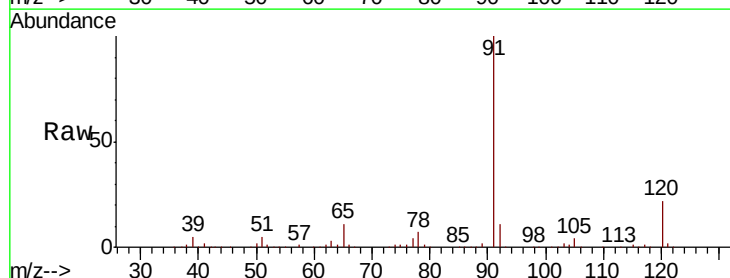
Acq: 6 Apr 2019 16:35

Tgt Ion: 91 Resp: 1618091

Ion Ratio Lower Upper

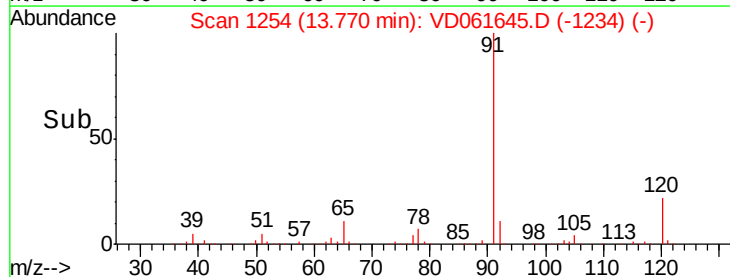
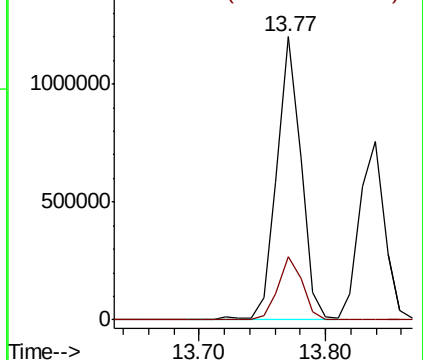
91 100

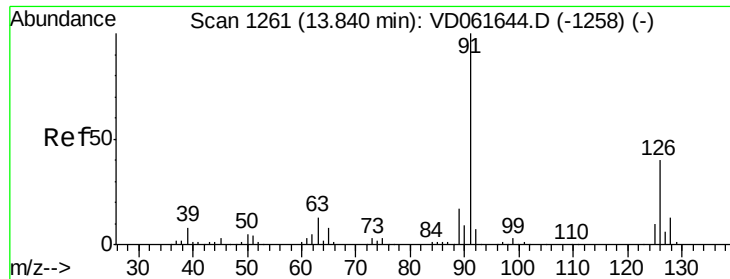
120 22.3 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.464 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

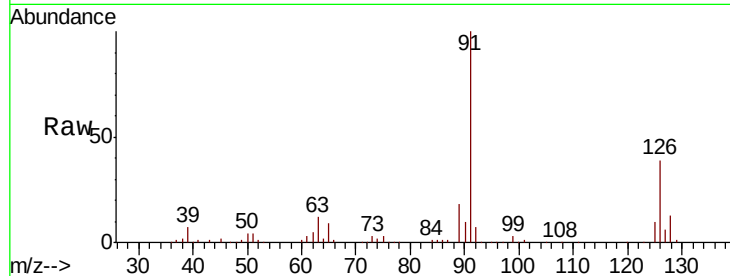
ClientSampleId :

Tot Ion: 91 Resp: 1039010

Ion Ratio Lower Upper

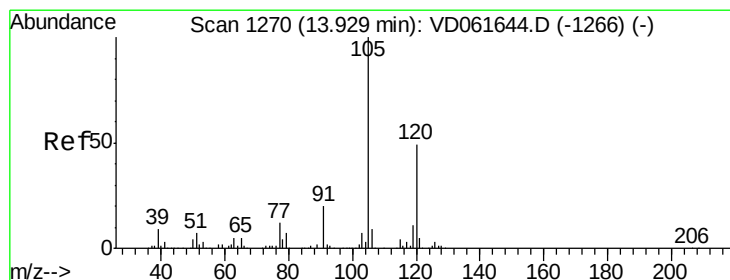
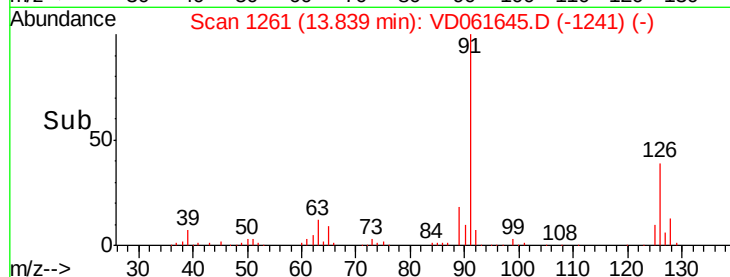
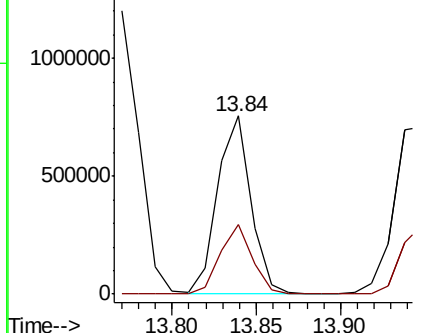
91 100

126 39.3 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.482 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD061645.D

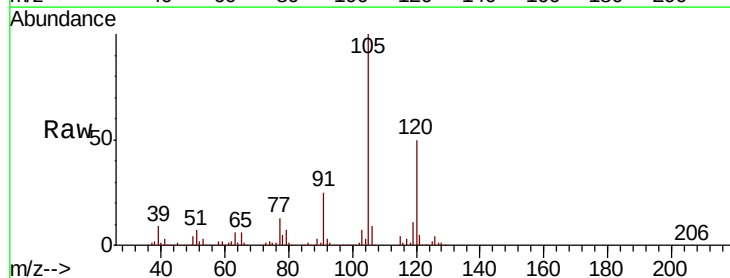
Acq: 6 Apr 2019 16:35

Tgt Ion:105 Resp: 1182555

Ion Ratio Lower Upper

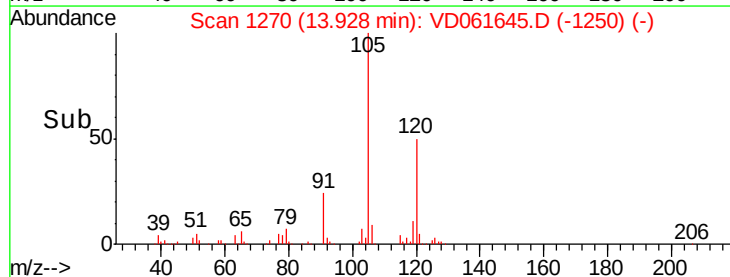
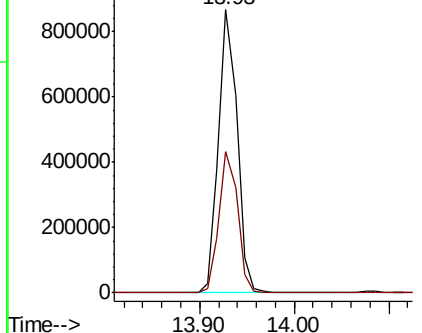
105 100

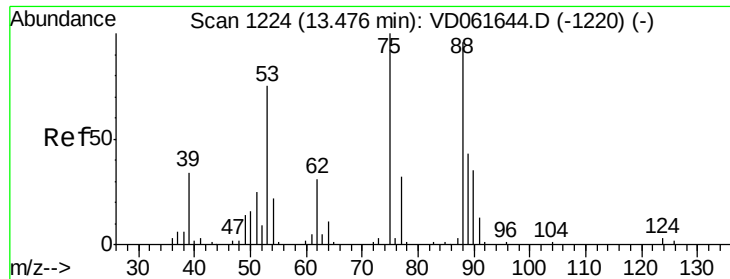
120 49.8 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.850 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampled :

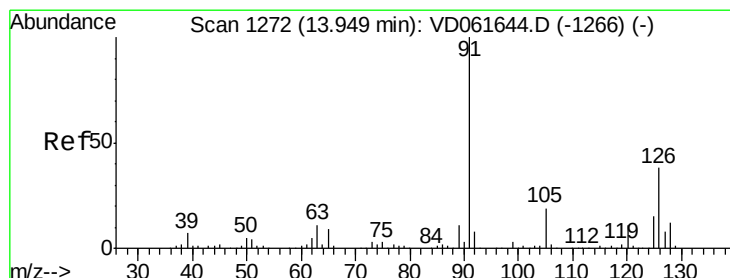
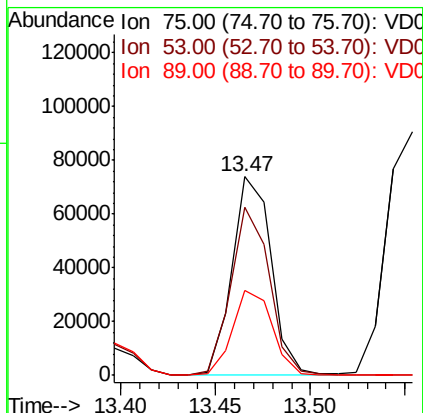
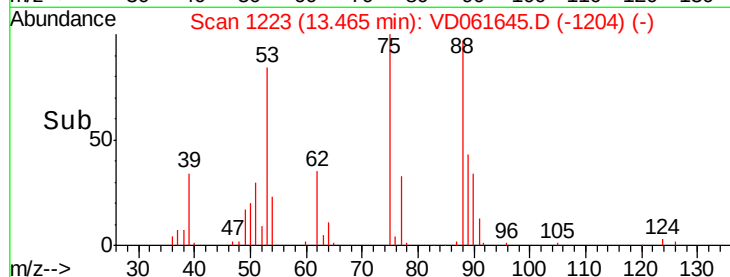
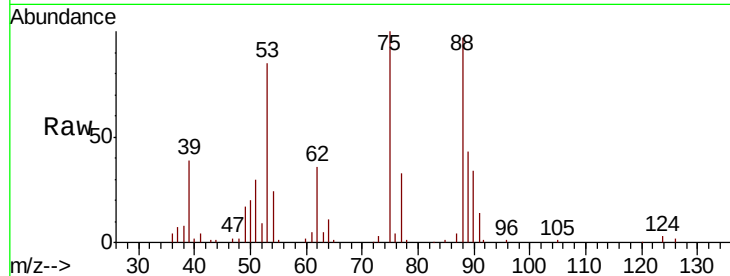
Tot Ion: 75 Resp: 105789

Ion Ratio Lower Upper

75 100

53 84.8 60.2 90.2

89 42.9 34.2 51.2



#82

4-Chlorotoluene

Concen: 50.916 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061645.D

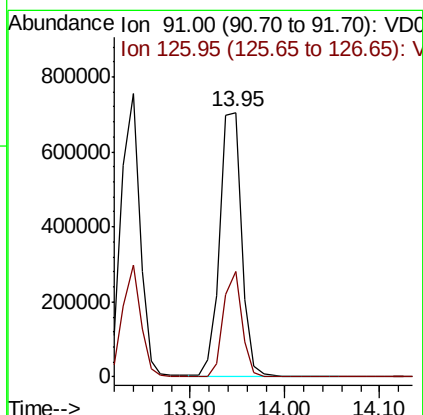
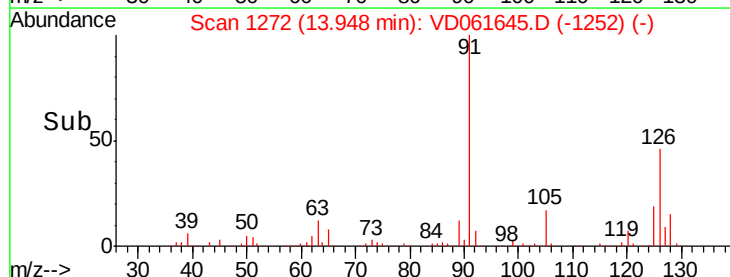
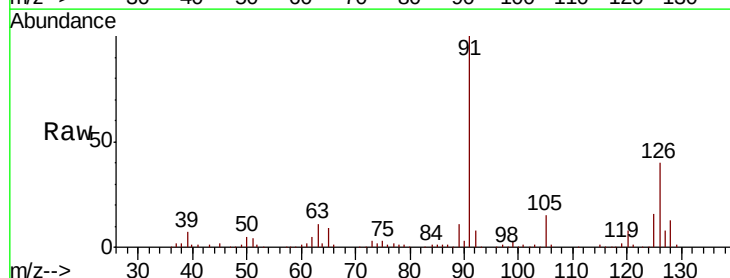
Acq: 6 Apr 2019 16:35

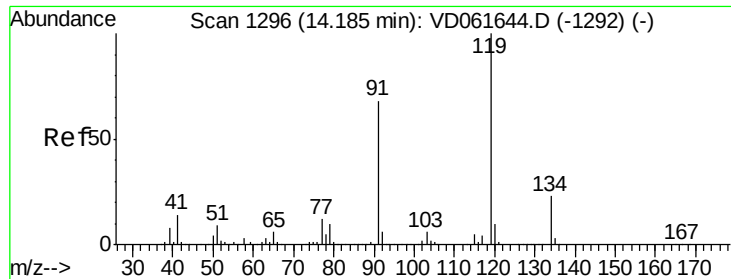
Tgt Ion: 91 Resp: 1126400

Ion Ratio Lower Upper

91 100

126 39.9 19.0 57.0

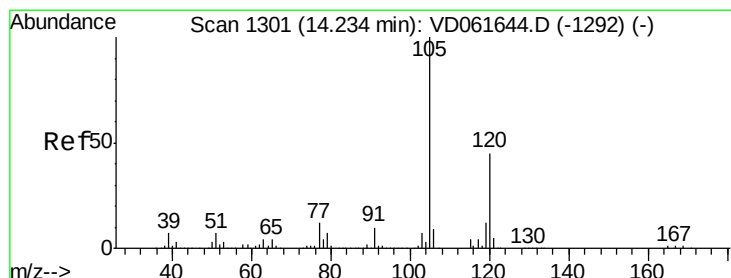
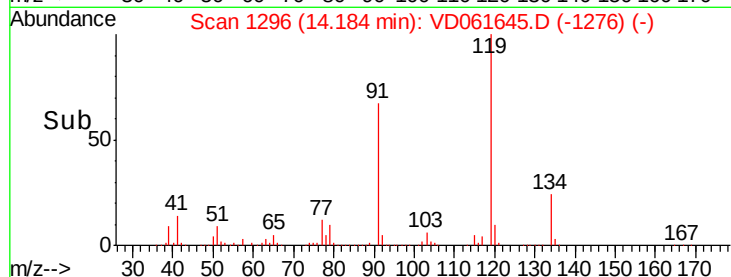
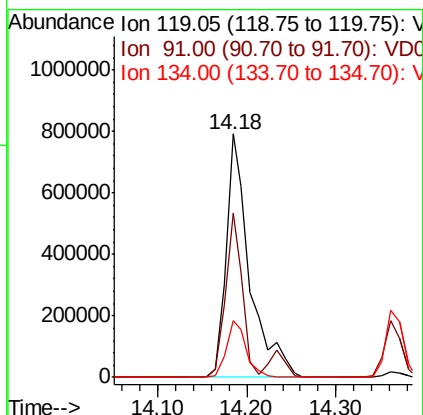
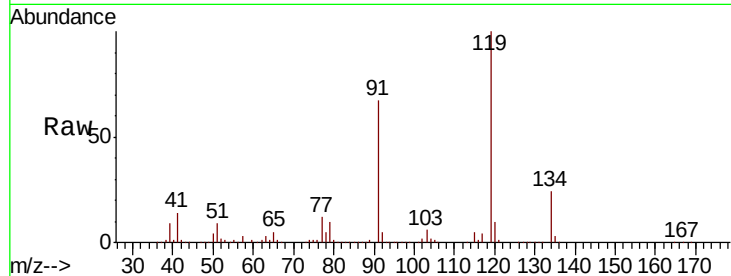




#83
 tert-Butylbenzene
 Concen: 52.327 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

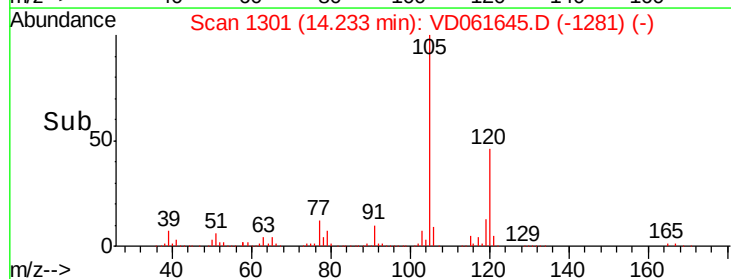
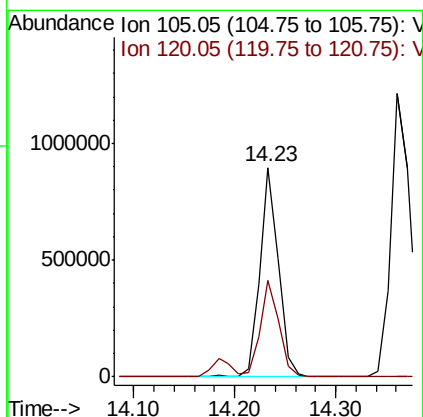
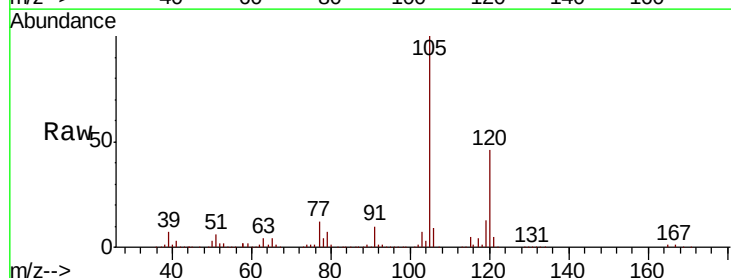
Instrument :
 MSVOA_D
 ClientSampleId :

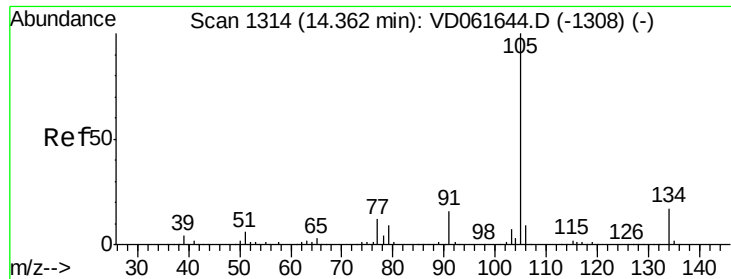
Tot Ion:119 Resp: 1477931
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.9 101.6
 134 23.5 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.730 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion:105 Resp: 1152090
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.8





#85

sec-Butylbenzene

Concen: 52.576 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

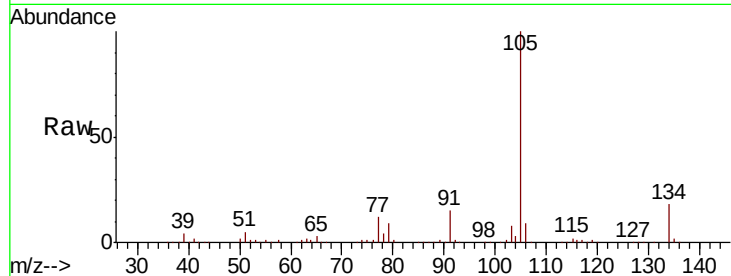
ClientSampleId :

Tot Ion:105 Resp: 1604383

Ion Ratio Lower Upper

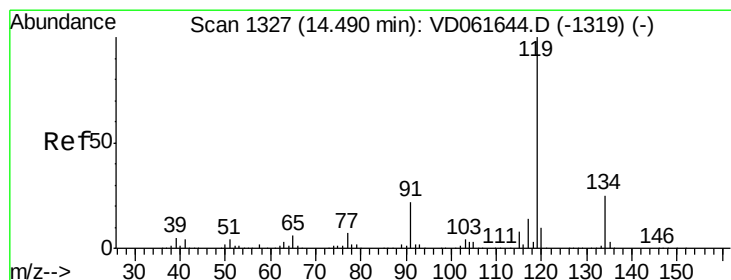
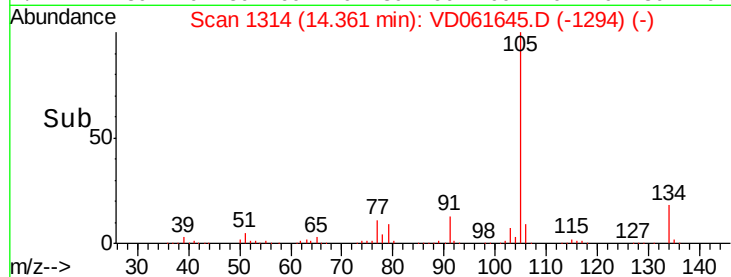
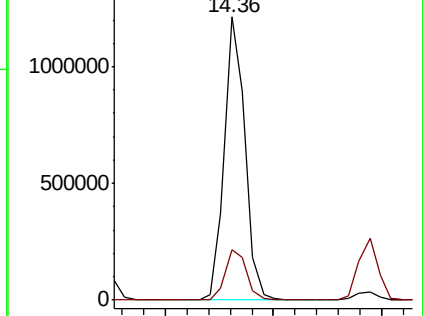
105 100

134 18.0 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: 52.062 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

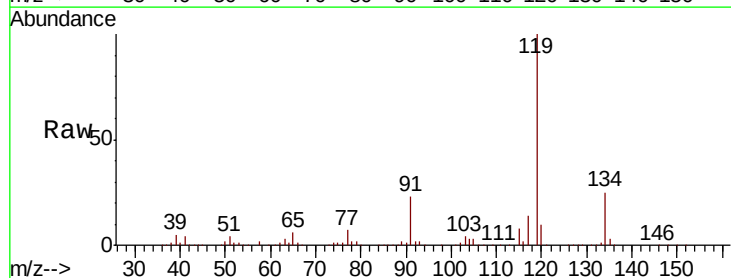
Tgt Ion:119 Resp: 1378204

Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

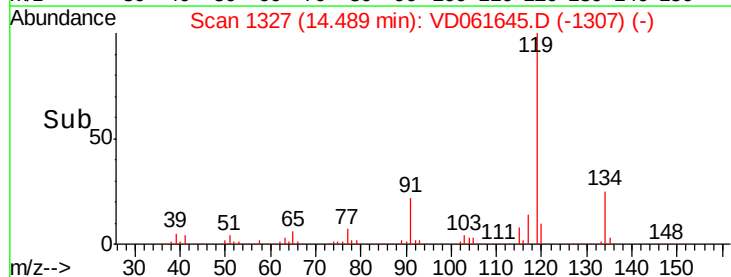
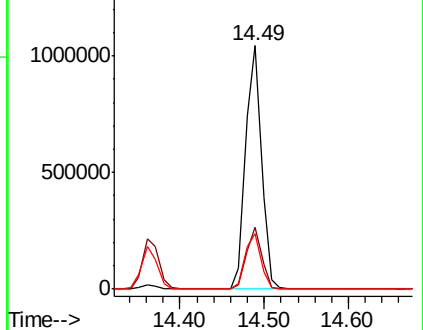
91 22.5 11.0 33.0

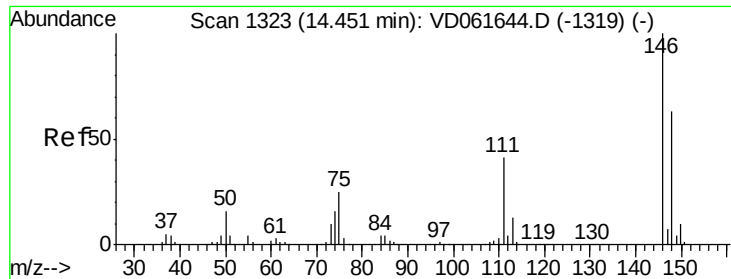


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

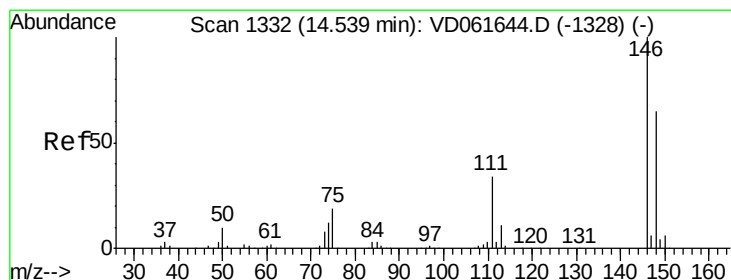
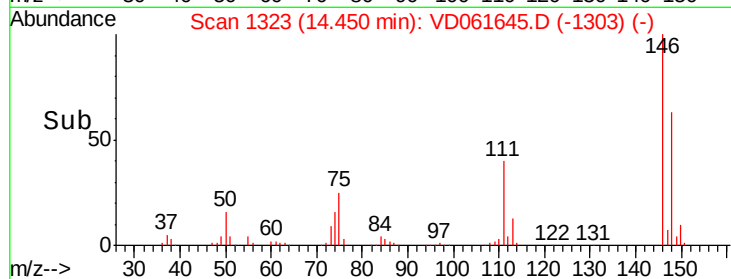
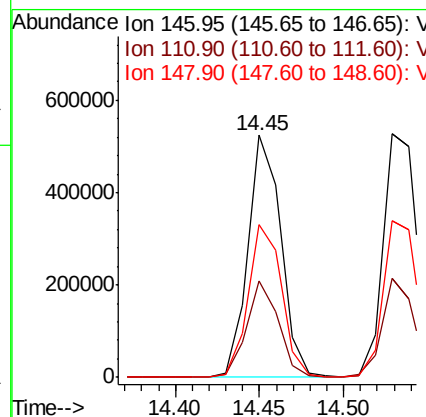
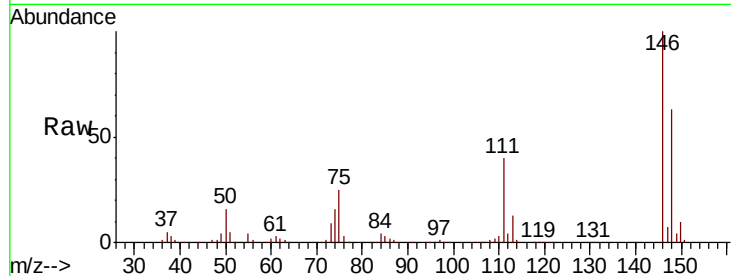




#87
 1,3-Dichlorobenzene
 Concen: 48.384 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

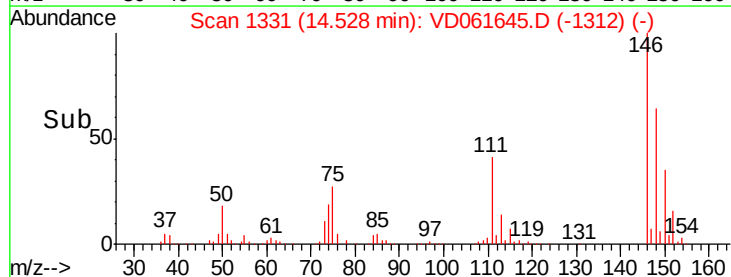
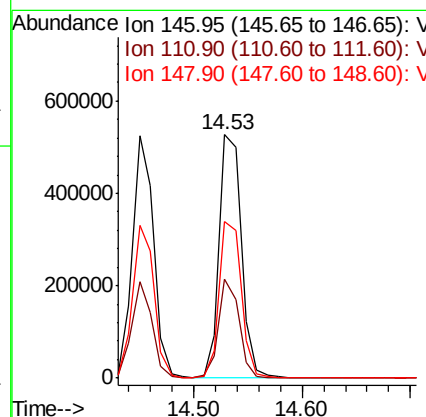
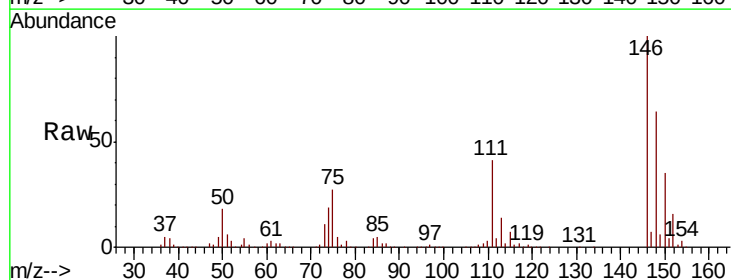
Instrument :
 MSVOA_D
 ClientSampleId :

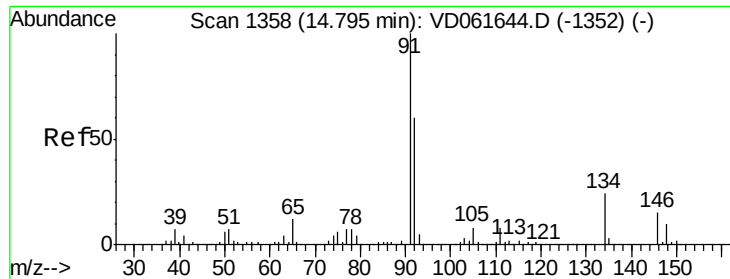
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	61.0
148	63.1	31.7	95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.556 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	17.1	51.2
148	64.3	32.6	97.7





#89

n-Butylbenzene

Concen: 48.193 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061645.D

Acq: 6 Apr 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

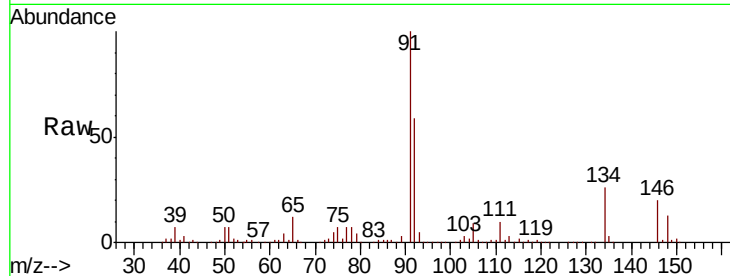
Tot Ion: 91 Resp: 1108897

Ion	Ratio	Lower	Upper
91	100		
92	59.0	29.8	89.4
134	25.6	12.2	36.4

91 100

92 59.0 29.8 89.4

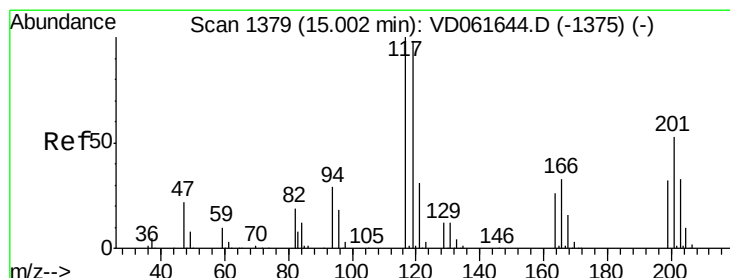
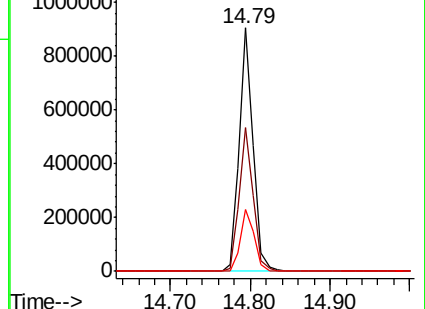
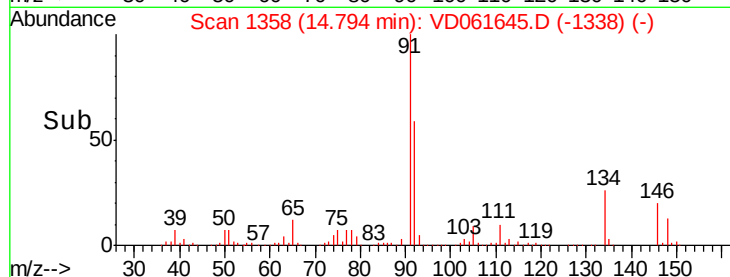
134 25.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 51.253 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061645.D

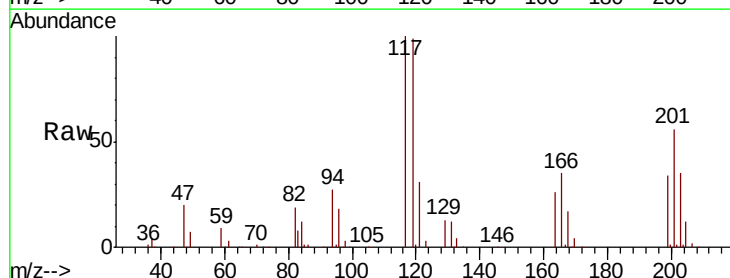
Acq: 6 Apr 2019 16:35

Tgt Ion: 117 Resp: 368151

Ion	Ratio	Lower	Upper
117	100		
201	55.7	26.3	78.8

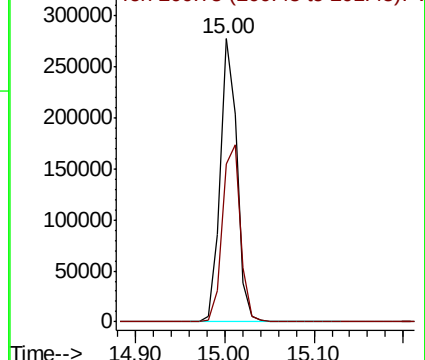
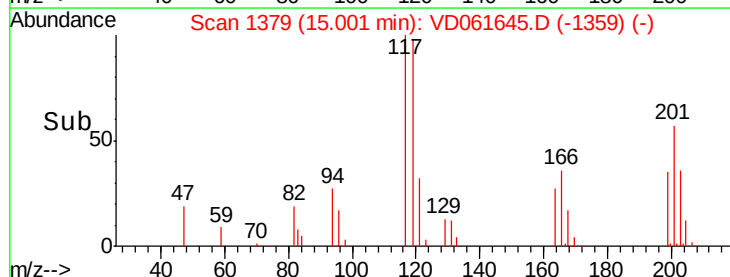
117 100

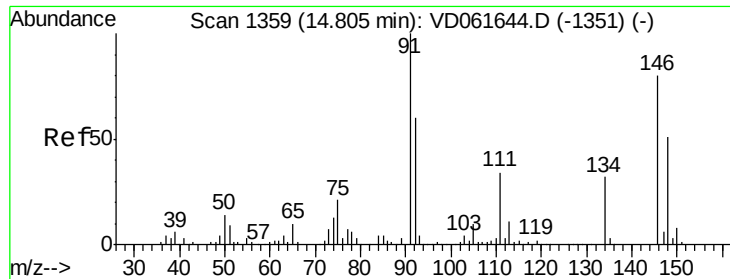
201 55.7 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

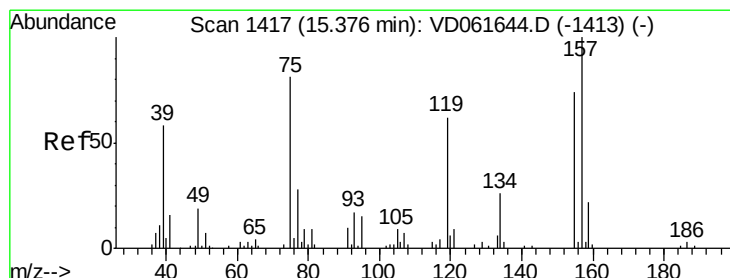
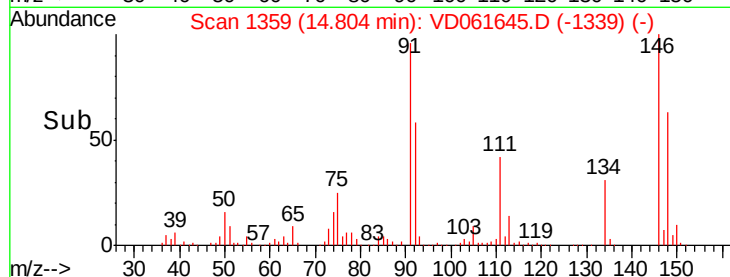
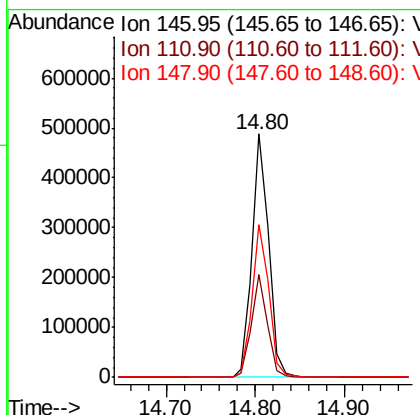
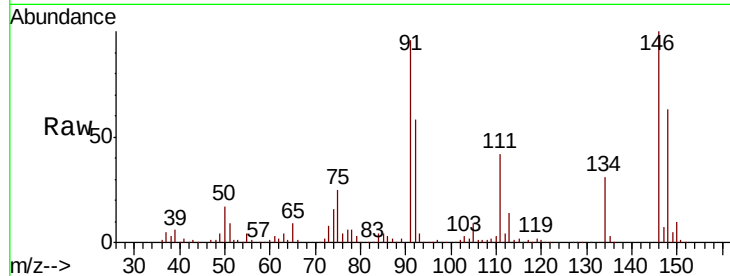




#91
 1,2-Dichlorobenzene
 Concen: 51.226 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

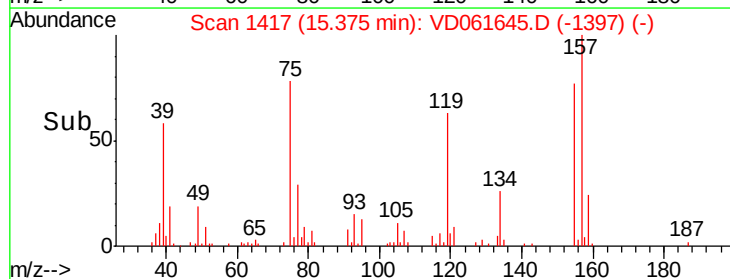
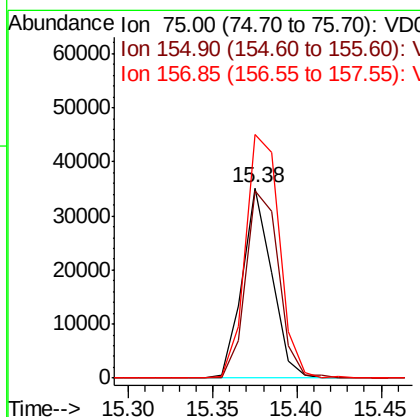
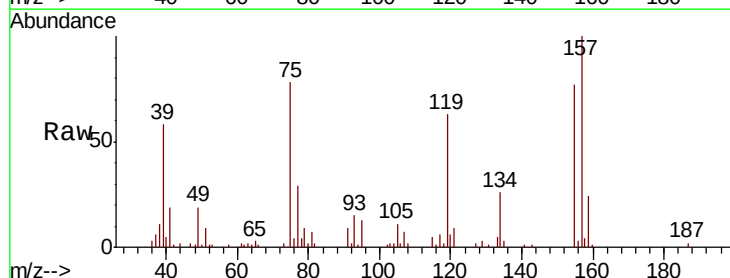
Instrument :
 MSVOA_D
 ClientSampleId :

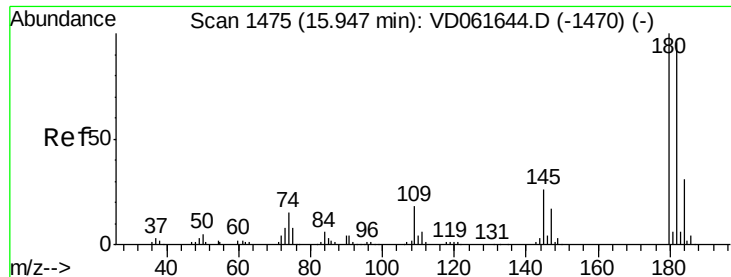
Tot Ion:146 Resp: 622455
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.1 63.3
 148 62.6 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.886 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion: 75 Resp: 42628
 Ion Ratio Lower Upper
 75 100
 155 98.8 45.6 136.7
 157 128.1 61.4 184.2

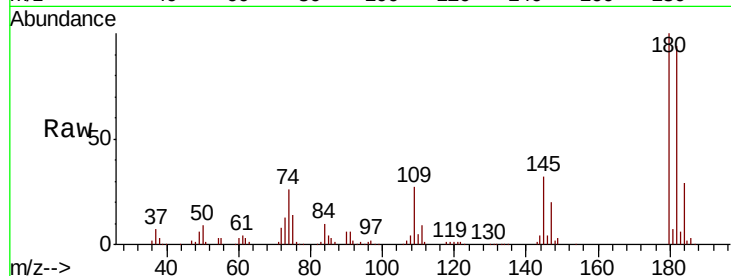




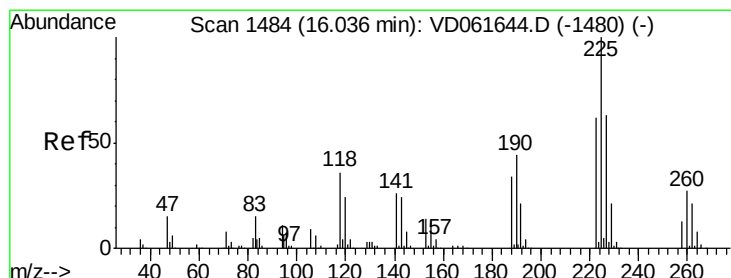
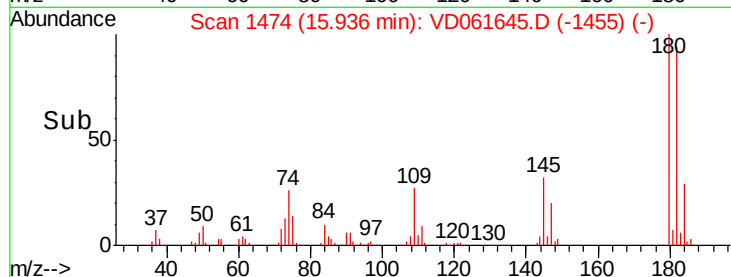
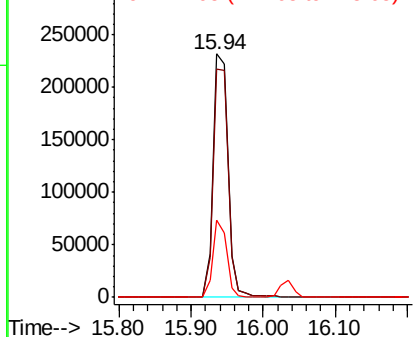
#93
 1,2,4-Trichlorobenzene
 Concen: 53.212 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 329420
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.8 143.3
 145 32.0 13.3 39.8

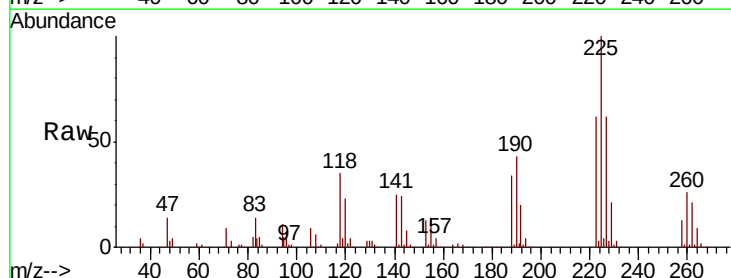


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

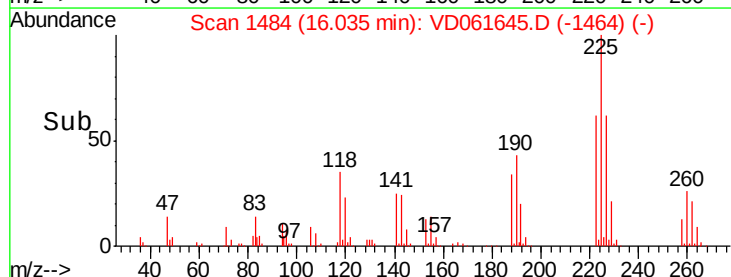
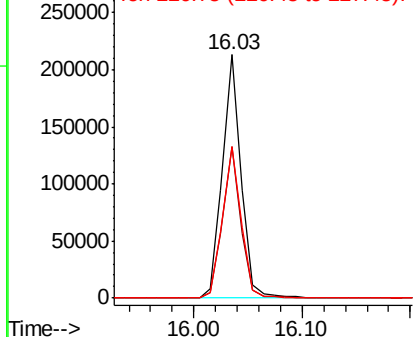


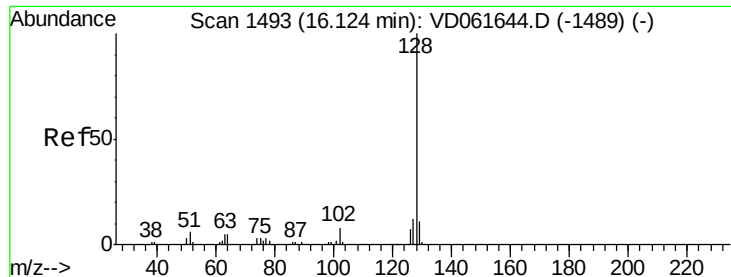
#94
 Hexachlorobutadiene
 Concen: 53.415 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061645.D
 Acq: 6 Apr 2019 16:35

Tgt Ion:225 Resp: 255337
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.8 92.3
 227 62.2 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

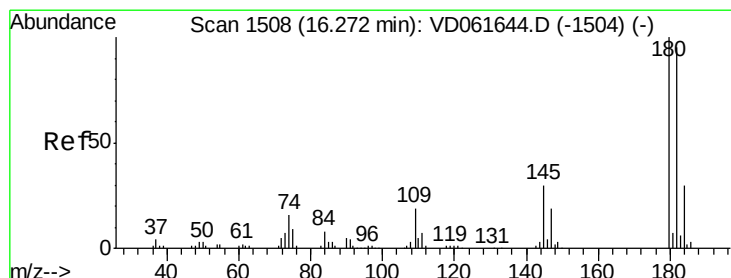
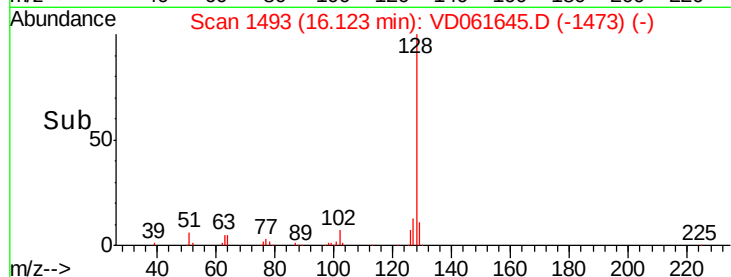
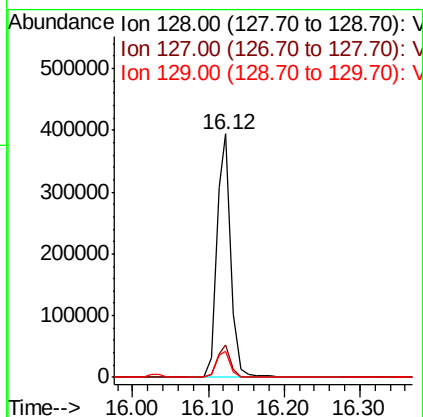
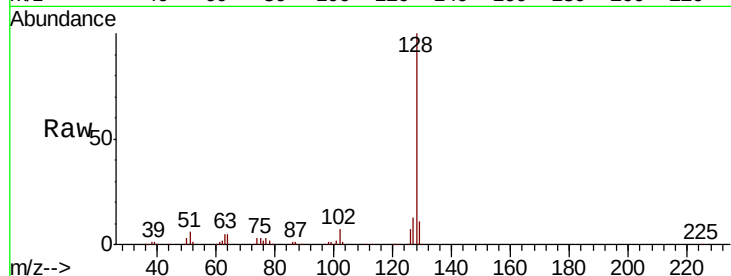




#95
Naphthalene
Concen: 52.329 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 512587
Ion Ratio Lower Upper
128 100
127 13.3 9.4 14.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 58.730 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061645.D
Acq: 6 Apr 2019 16:35

Tgt Ion:180 Resp: 181455
Ion Ratio Lower Upper
180 100
182 96.5 47.3 142.0
145 29.0 15.1 45.3

