

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065645.D
 Acq On : 17 Apr 2020 15:29
 Operator : VA/SY
 Sample : L2337-13
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:00:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	187376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	287088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126724	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	96381	60.47	ug/l	0.00
Spiked Amount			Recovery	=	120.94%	
35) Dibromofluoromethane	7.92	113	98546	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	
50) Toluene-d8	10.34	98	349328	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.64	95	120940	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	

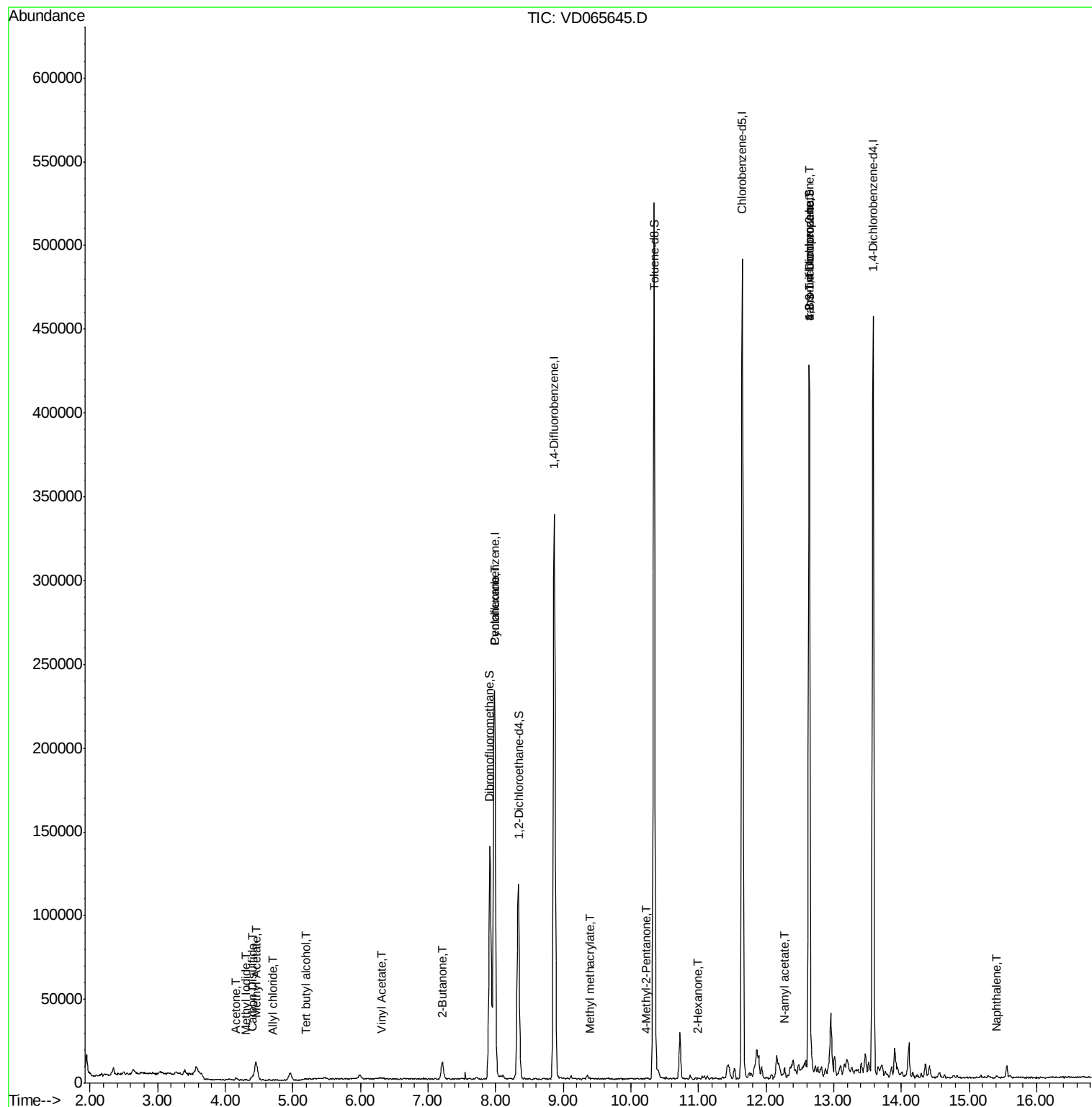
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	75	7.376	ug/l #	38
11) Tert butyl alcohol	5.19	59	59	10.200	ug/l #	74
14) Allyl chloride	4.71	41	257	4.081	ug/l #	58
16) Acetone	4.16	43	2262	9.923	ug/l #	87
17) Carbon Disulfide	4.39	76	5272	6.988	ug/l #	85
18) Methyl Acetate	4.46	43	5407	12.016	ug/l #	52
23) Vinyl Acetate	6.31	43	624	11.792	ug/l #	71
25) 2-Butanone	7.21	43	877	2.062	ug/l #	49
31) Cyclohexane	7.98	56	4268	1.422	ug/l #	36
48) Methyl methacrylate	9.39	41	256	1.950	ug/l #	15
51) 4-Methyl-2-Pentanone	10.23	43	508	10.116	ug/l #	36
59) 2-Hexanone	10.99	43	334	10.369	ug/l #	25
74) N-amyl acetate	12.28	43	1599	3.653	ug/l #	69
76) 1,2,3-Trichloropropane	12.64	75	58701	57.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	58701	126.264	ug/l #	11
95) Naphthalene	15.41	128	1595	4.469	ug/l #	74

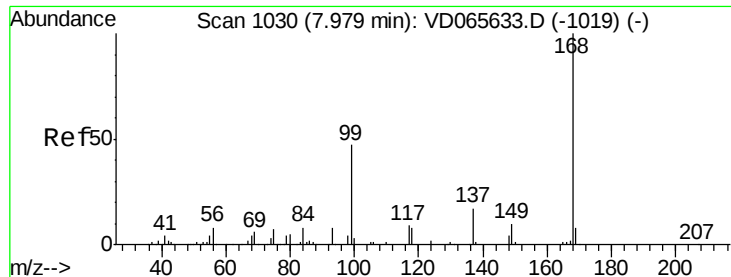
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041720\
Data File : VD065645.D
Acq On : 17 Apr 2020 15:29
Operator : VA/SY
Sample : L2337-13
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 20 07:00:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

Instrument :

MSVOA_D

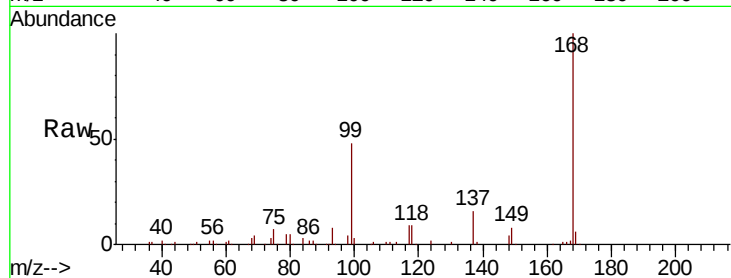
ClientSampleId :

Tot Ion:168 Resp: 187376

Ion Ratio Lower Upper

168 100

99 48.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

80000

60000

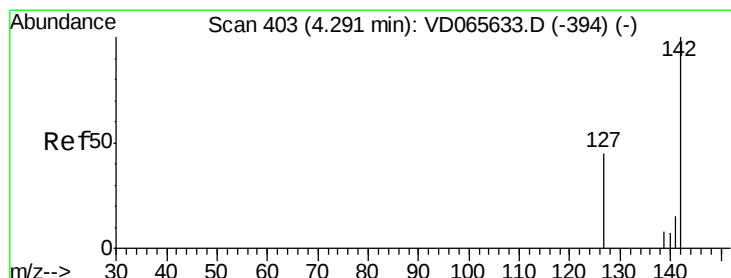
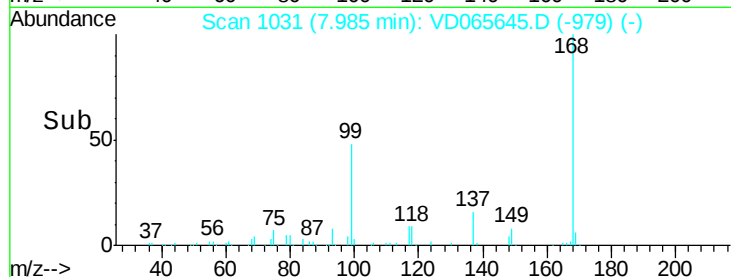
40000

20000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 7.376 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

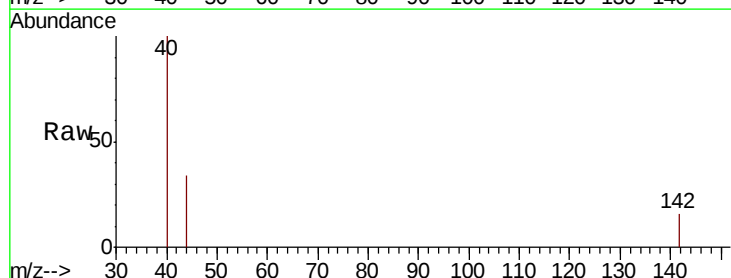
Tgt Ion:142 Resp: 75

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.31

250

200

150

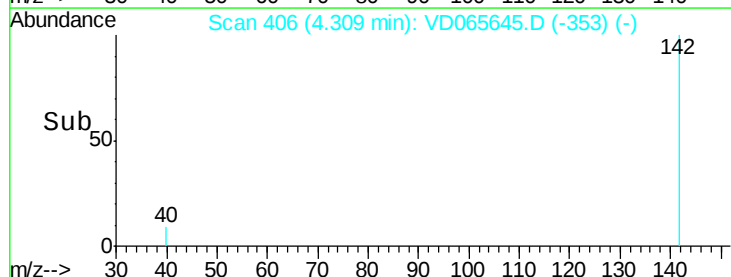
100

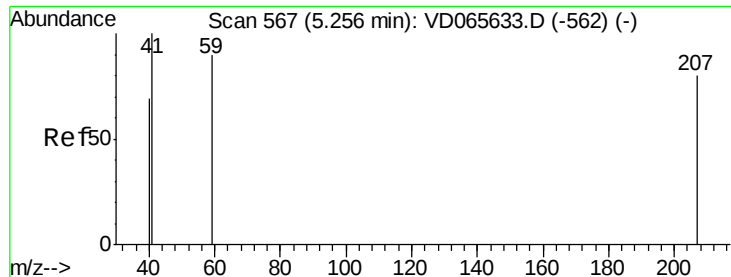
50

0

Time-->

4.30 4.31 4.32

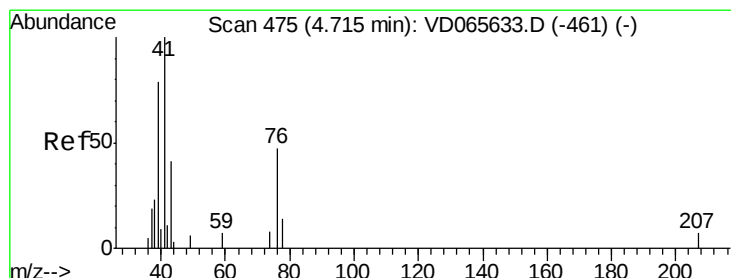
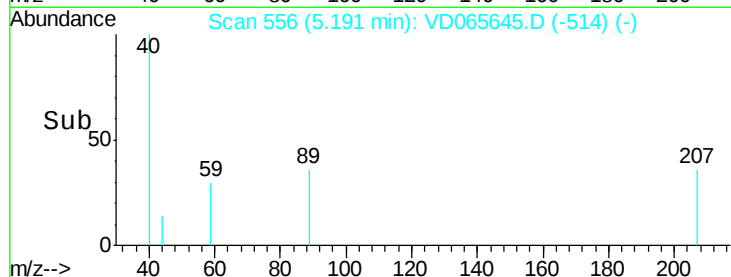
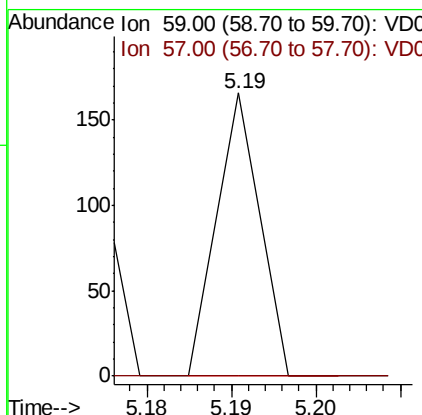
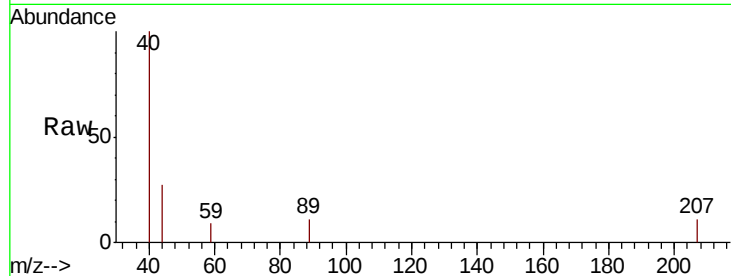




#11
Tert butyl alcohol
Concen: 10.200 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.05 min
Lab File: VD065645.D
Acq: 17 Apr 2020 15:29

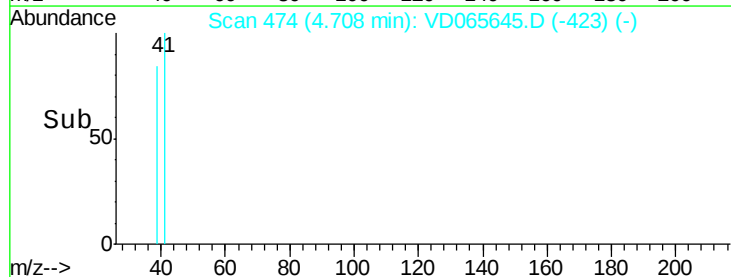
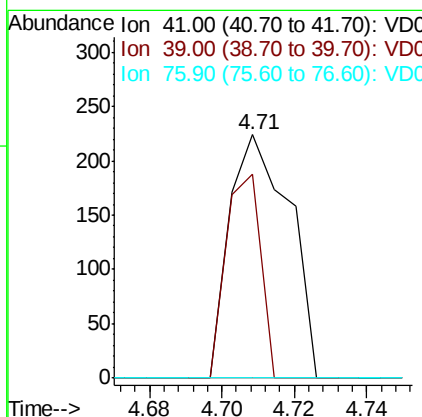
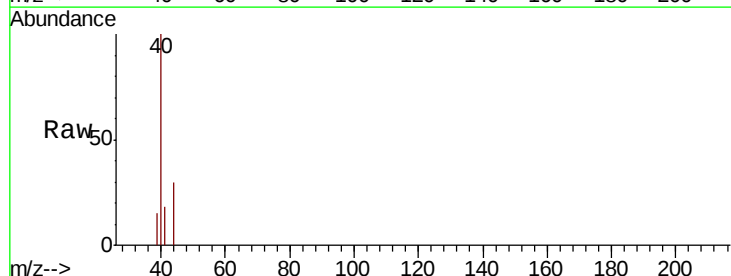
Instrument :
MSVOA_D
ClientSampleId :

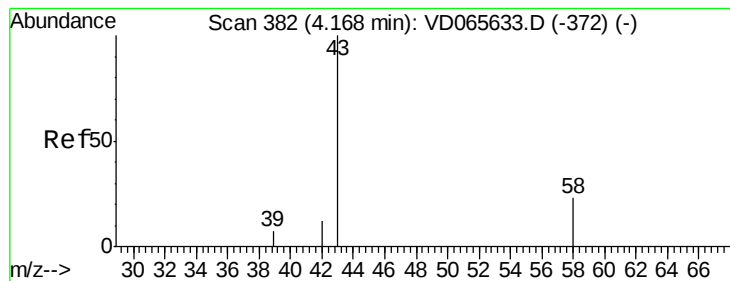
Tot Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#14
Allyl chloride
Concen: 4.081 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD065645.D
Acq: 17 Apr 2020 15:29

Tgt Ion: 41 Resp: 257
Ion Ratio Lower Upper
41 100
39 49.0 62.5 93.7#
76 0.0 29.1 43.7#





#16

Acetone

Concen: 9.923 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

Instrument :

MSVOA_D

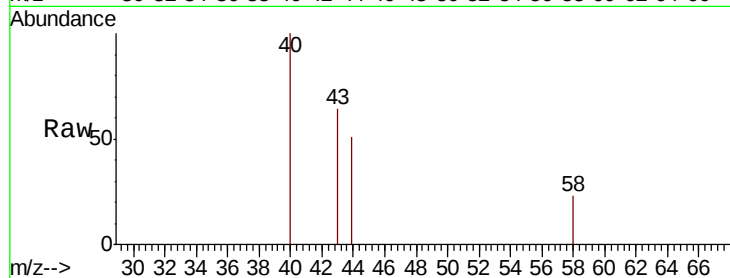
ClientSampleId :

Tot Ion: 43 Resp: 2262

Ion Ratio Lower Upper

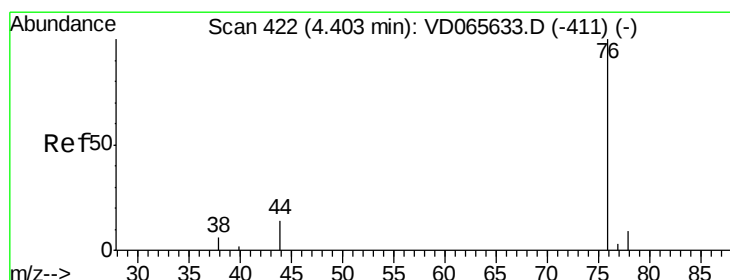
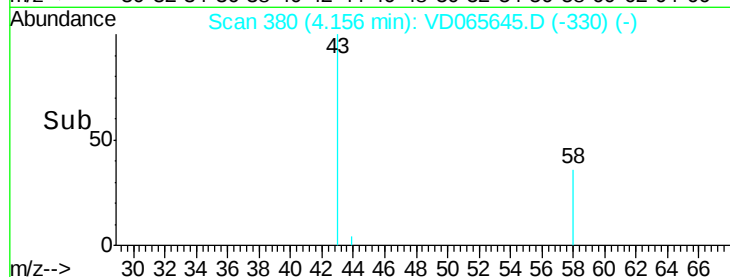
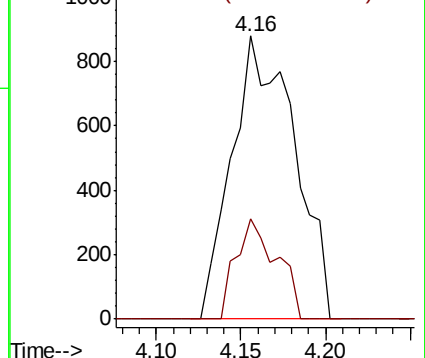
43 100

58 35.5 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 6.988 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065645.D

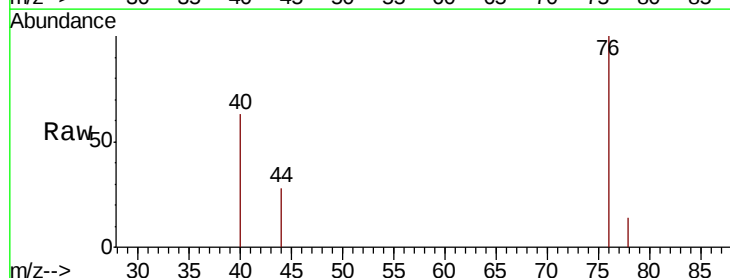
Acq: 17 Apr 2020 15:29

Tgt Ion: 76 Resp: 5272

Ion Ratio Lower Upper

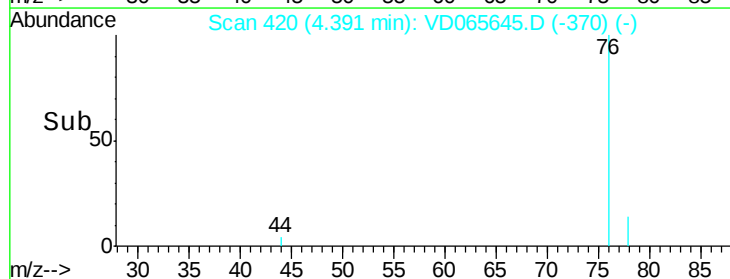
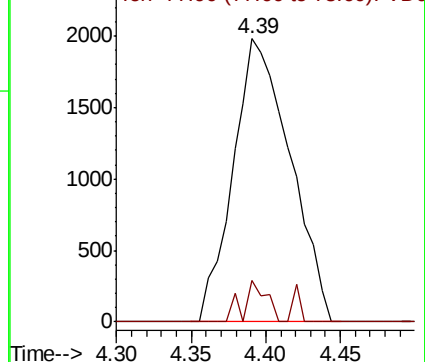
76 100

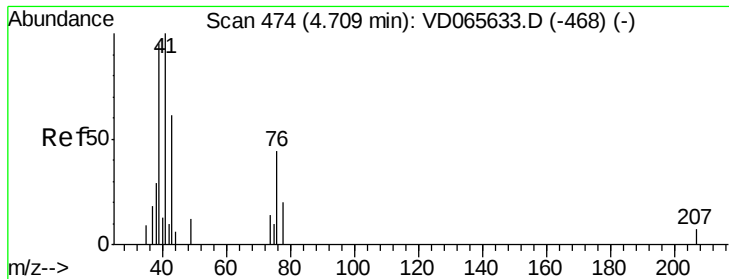
78 14.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

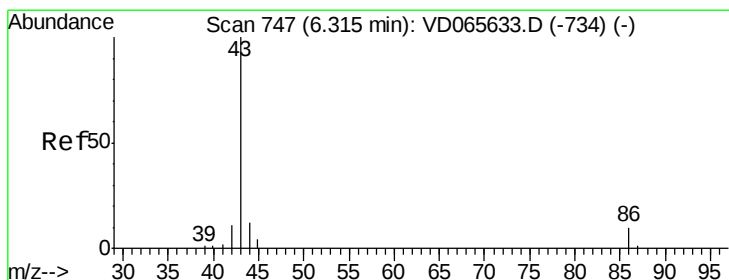
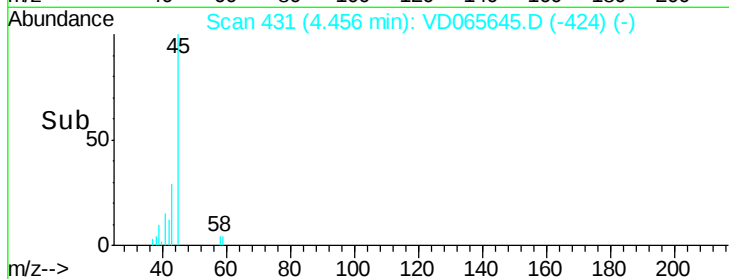
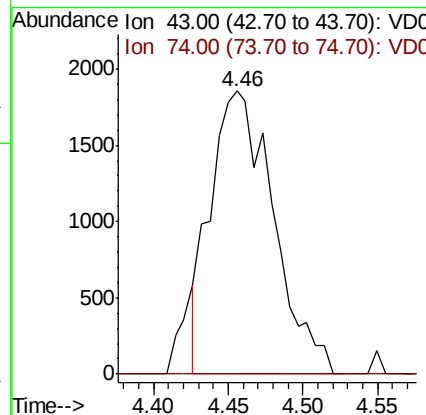
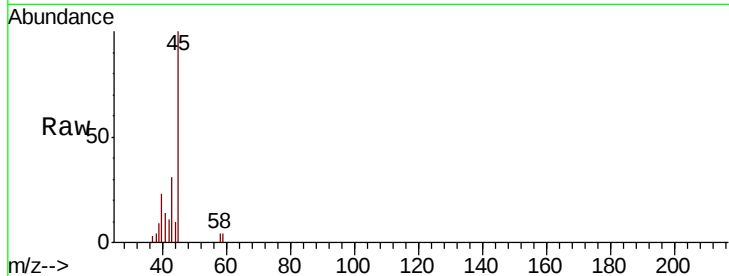




#18
Methvl Acetate
Concen: 12.016 ug/l
RT: 4.46 min Scan# 431
Delta R.T. -0.26 min
Lab File: VD065645.D
Acq: 17 Apr 2020 15:29

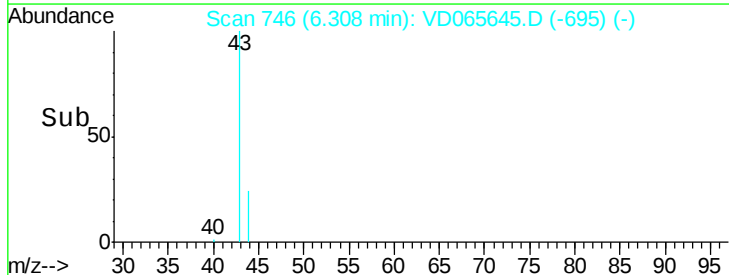
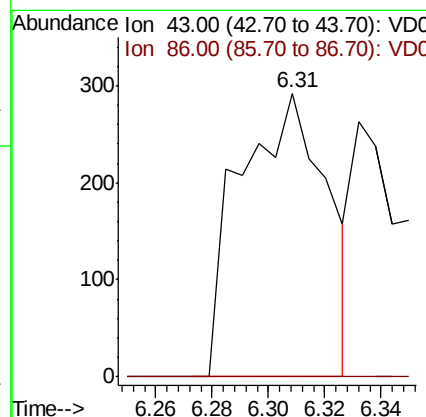
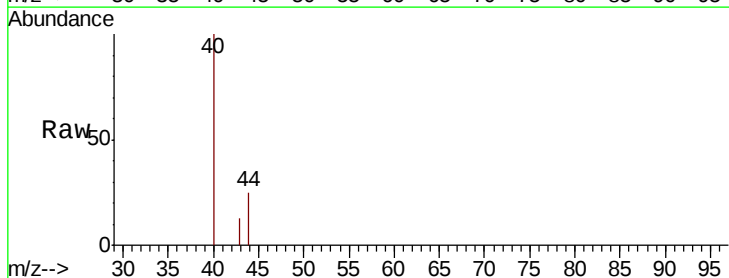
Instrument :
MSVOA_D
ClientSampled :

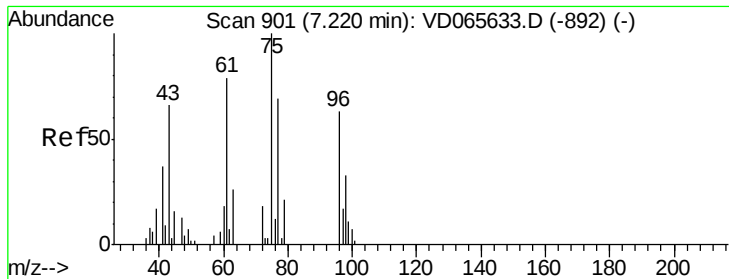
Tot Ion: 43 Resp: 5407
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#23
Vinyl Acetate
Concen: 11.792 ug/l
RT: 6.31 min Scan# 746
Delta R.T. 0.00 min
Lab File: VD065645.D
Acq: 17 Apr 2020 15:29

Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
86 0.0 8.7 13.1#





#25

2-Butanone

Concen: 2.062 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

Instrument :

MSVOA_D

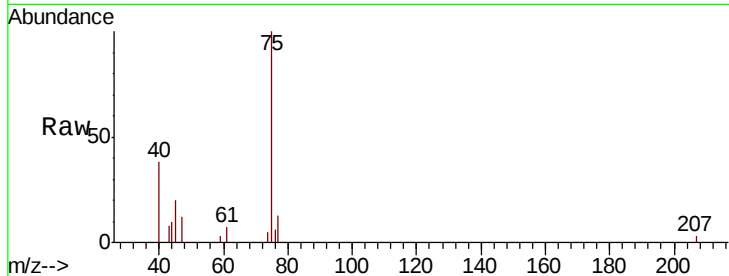
ClientSampled :

Tot Ion: 43 Resp: 877

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

400

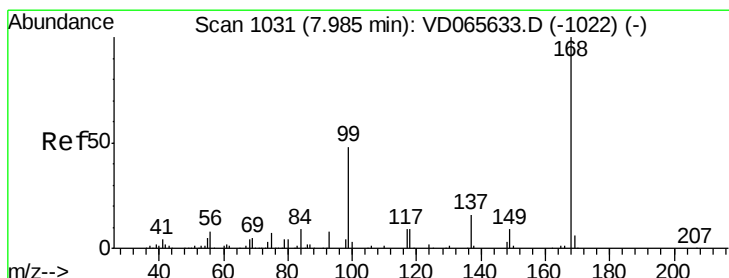
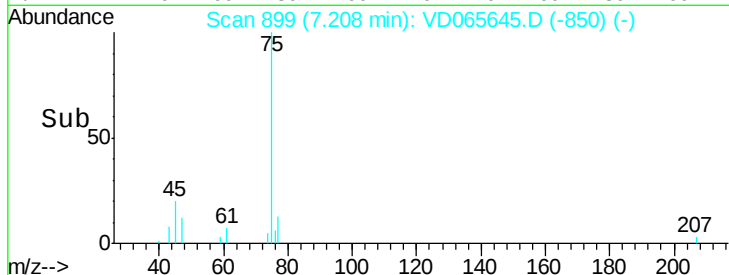
300

200

100

0

Time--> 7.15 7.20 7.25



#31

Cyclohexane

Concen: 1.422 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

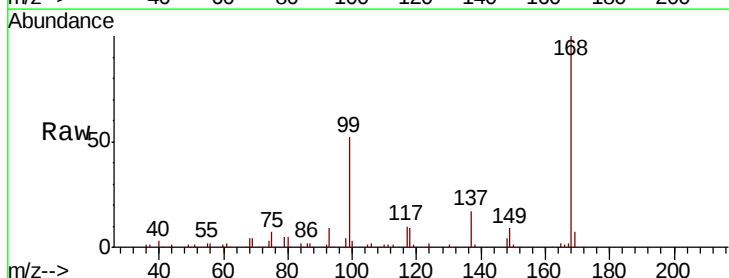
Tgt Ion: 56 Resp: 4268

Ion Ratio Lower Upper

56 100

69 162.0 26.6 40.0#

84 99.7 75.3 112.9



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

4000

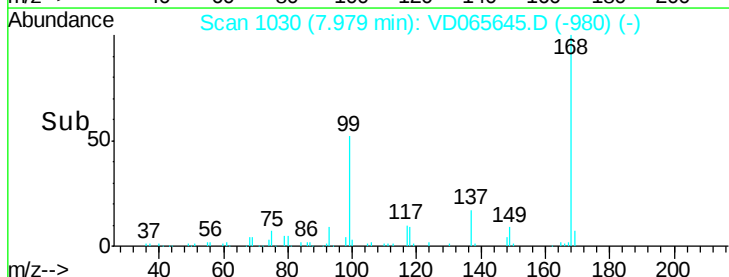
3000

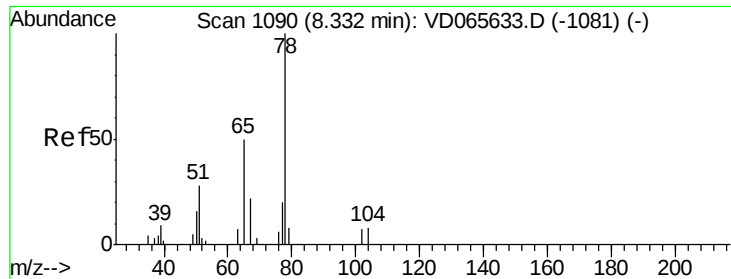
2000

1000

0

Time--> 7.90 7.95 8.00 8.05





#33

1,2-Dichloroethane-d4

Concen: 60.466 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

Instrument :

MSVOA_D

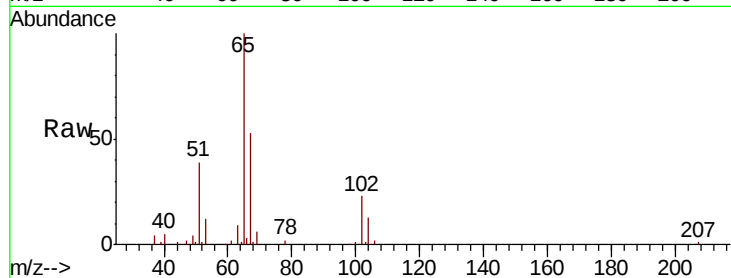
ClientSampleId :

Tot Ion: 65 Resp: 96381

Ion Ratio Lower Upper

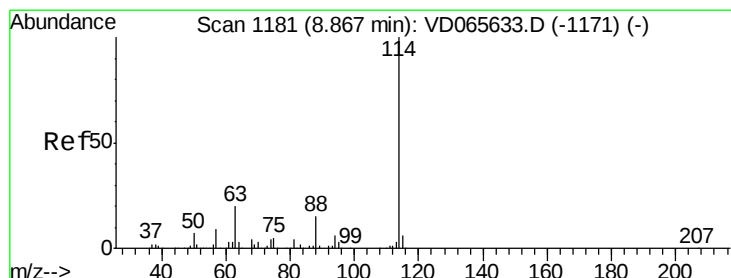
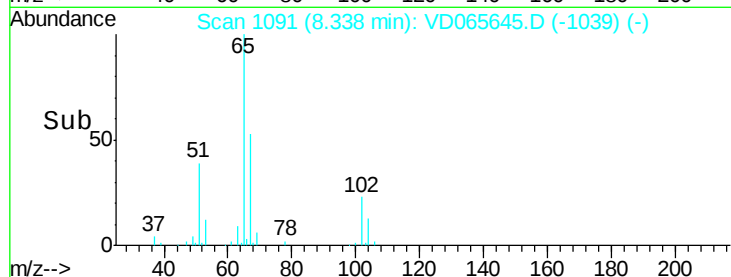
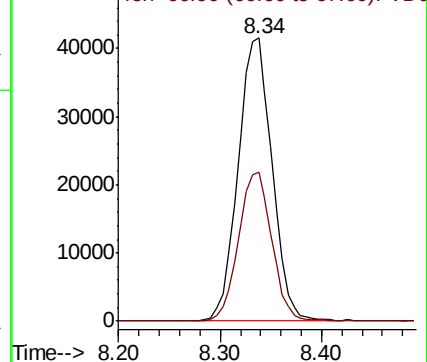
65 100

67 51.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

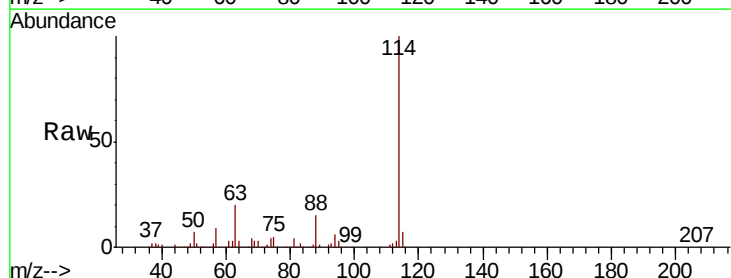
Tgt Ion: 114 Resp: 287277

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

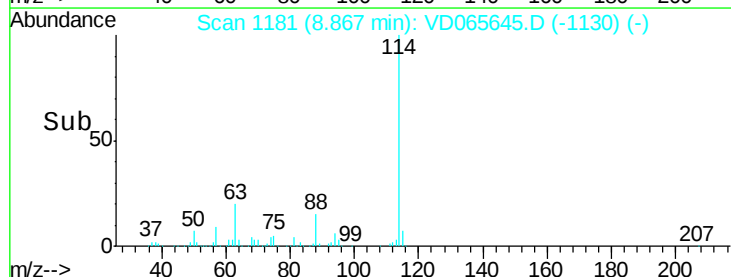
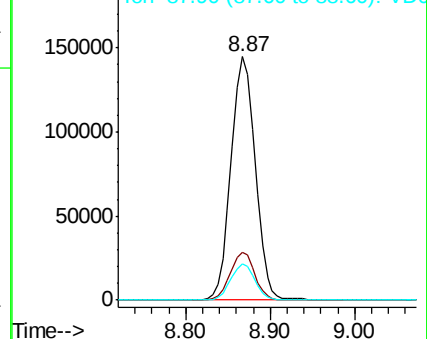
88 15.1 0.0 31.6

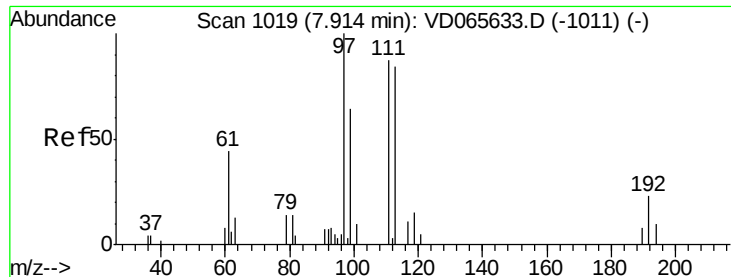


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

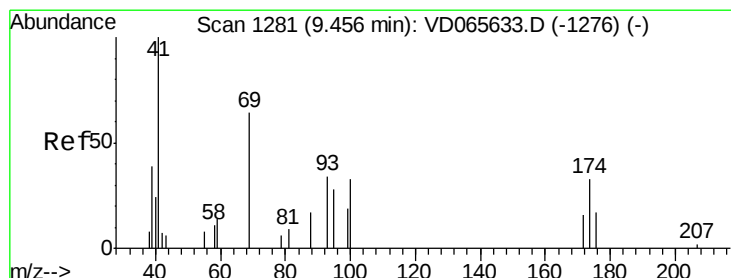
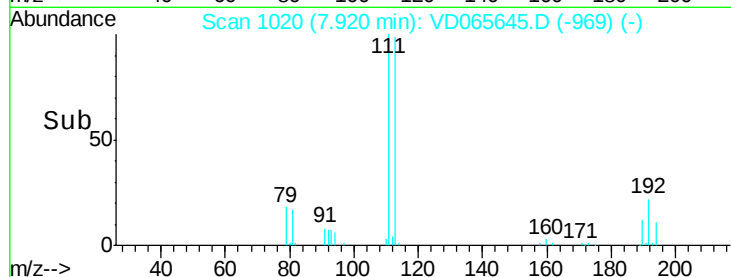
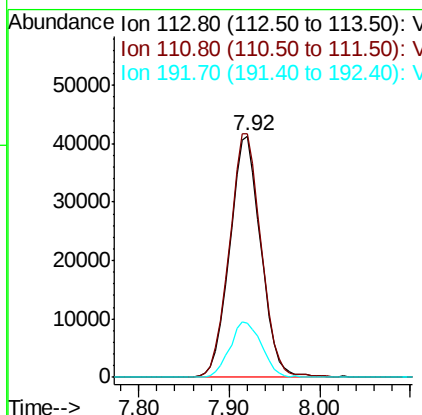
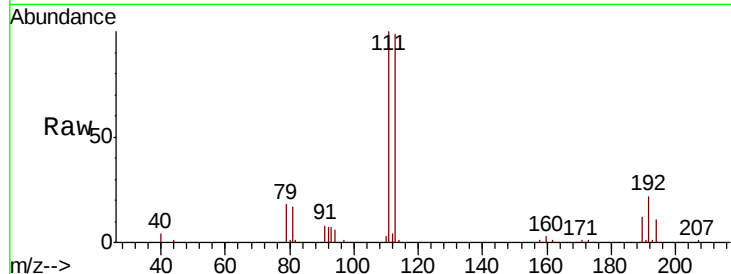




#35
 Dibromofluoromethane
 Concen: 55.117 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065645.D
 Acq: 17 Apr 2020 15:29

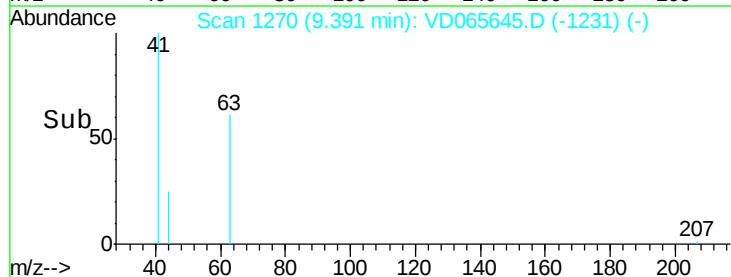
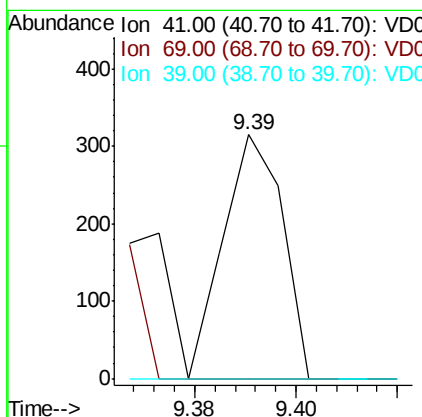
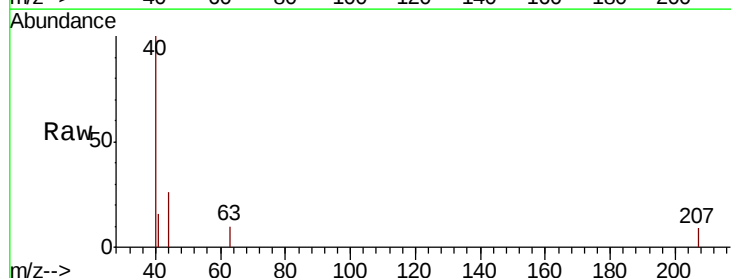
Instrument :
 MSVOA_D
 ClientSampled :

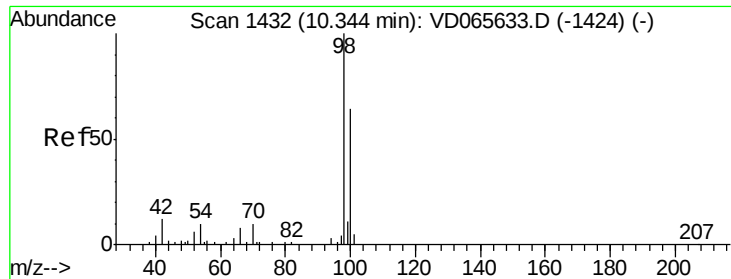
Tot Ion:113 Resp: 98546
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.9 122.9
 192 23.4 18.9 28.3



#48
 Methyl methacrylate
 Concen: 1.950 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.07 min
 Lab File: VD065645.D
 Acq: 17 Apr 2020 15:29

Tgt Ion: 41 Resp: 256
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.8 100.2#
 39 0.0 39.6 59.4#





#50

Toluene-d8

Concen: 53.001 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

Instrument :

MSVOA_D

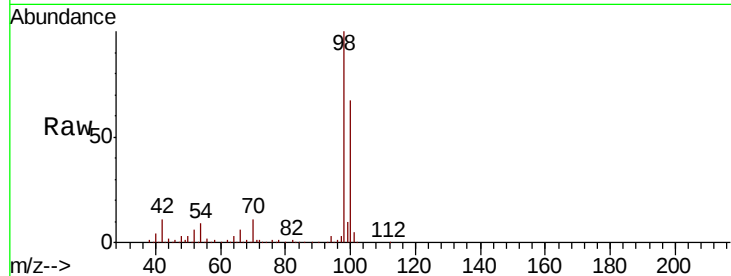
ClientSampleId :

Tot Ion: 98 Resp: 349328

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

200000

150000

100000

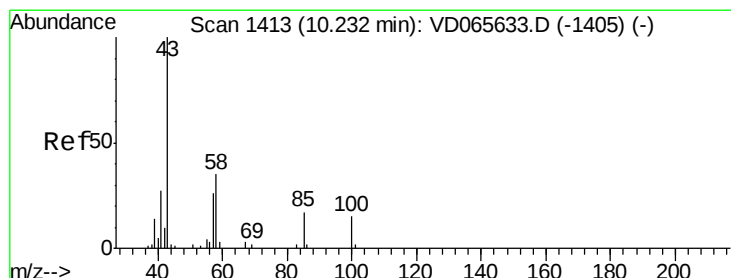
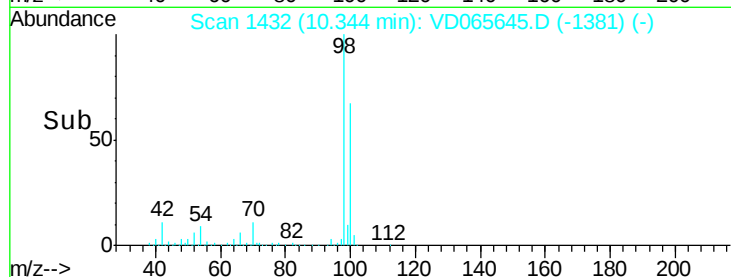
50000

0

10.30

10.40

Time-->



#51

4-Methyl-2-Pentanone

Concen: 10.116 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065645.D

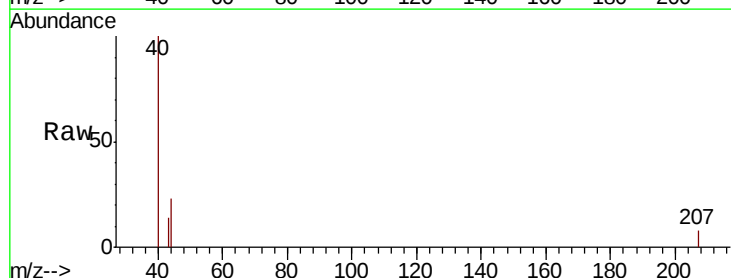
Acq: 17 Apr 2020 15:29

Tgt Ion: 43 Resp: 508

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

300

200

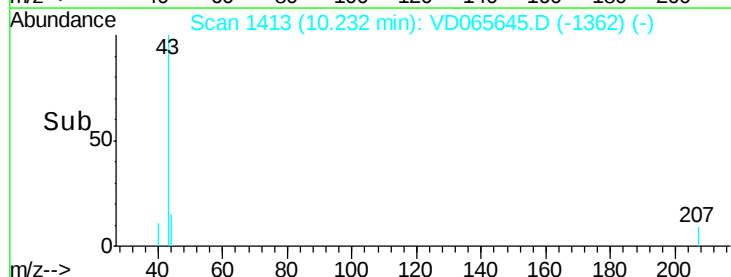
100

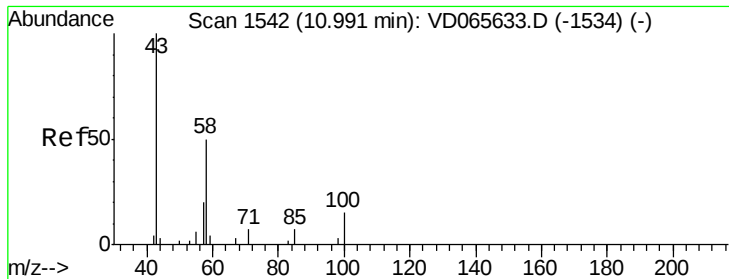
0

10.20

10.25

Time-->

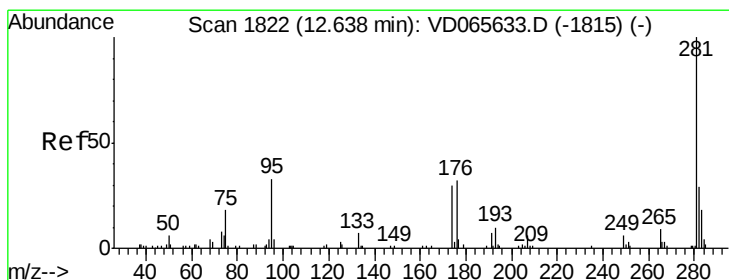
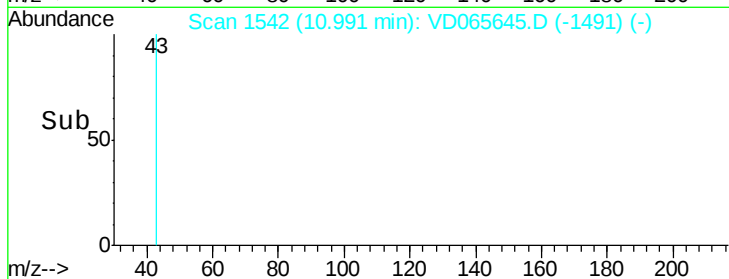
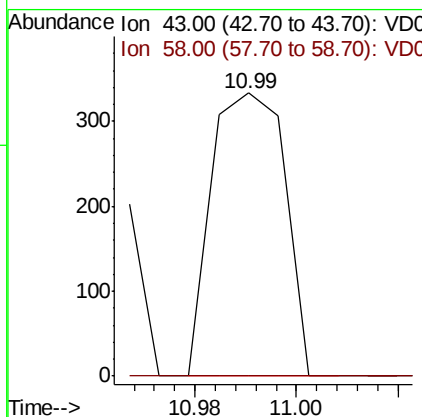
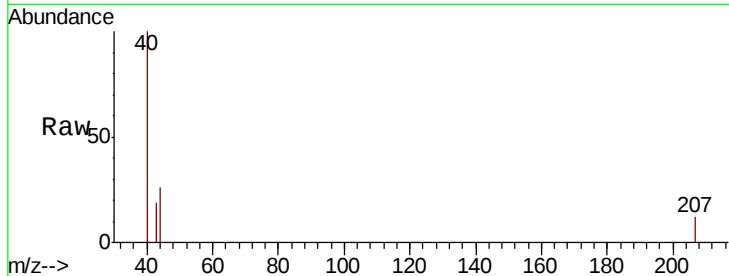




#59
2-Hexanone
Concen: 10.369 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065645.D
Acq: 17 Apr 2020 15:29

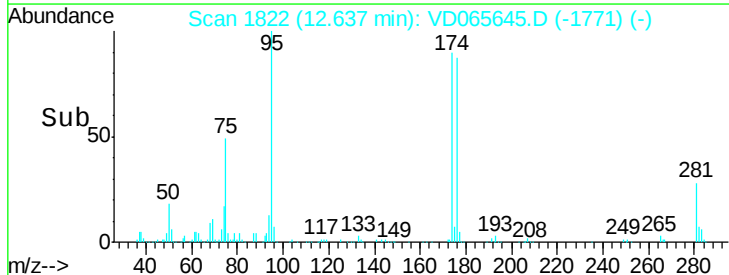
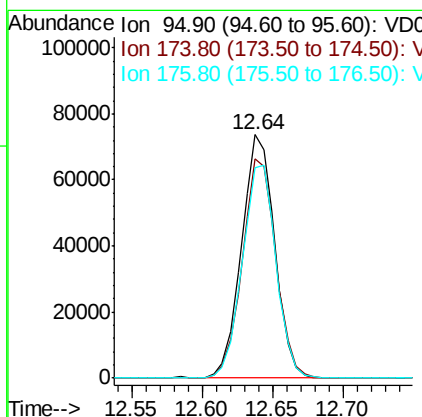
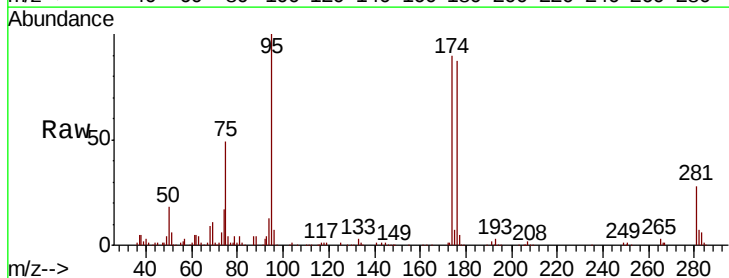
Instrument :
MSVOA_D
ClientSampleId :

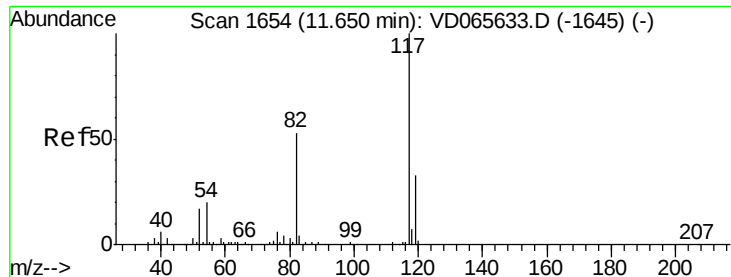
Tot Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 55.145 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065645.D
Acq: 17 Apr 2020 15:29

Tgt Ion: 95 Resp: 120940
Ion Ratio Lower Upper
95 100
174 91.0 0.0 183.8
176 89.2 0.0 181.4

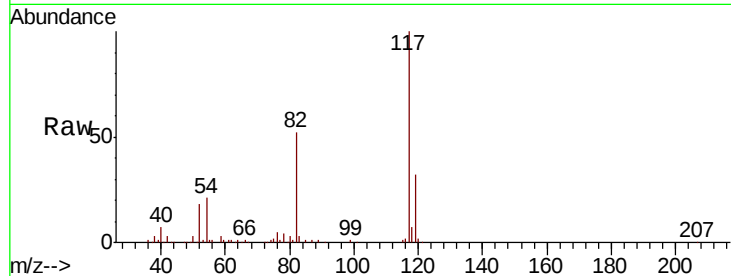




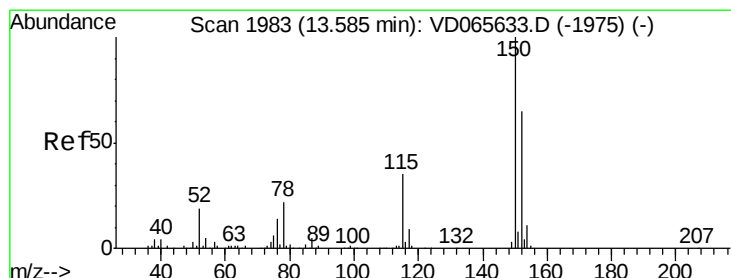
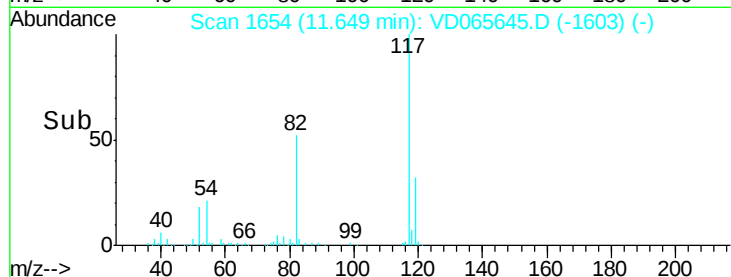
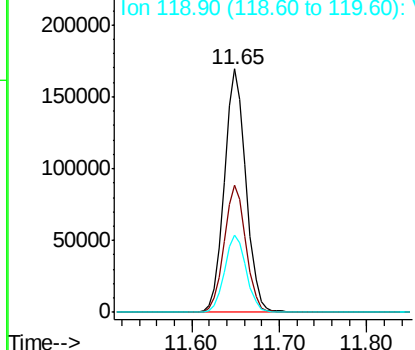
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065645.D
Acq: 17 Apr 2020 15:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 287088
Ion Ratio Lower Upper
117 100
82 52.2 43.2 64.8
119 31.7 26.2 39.4

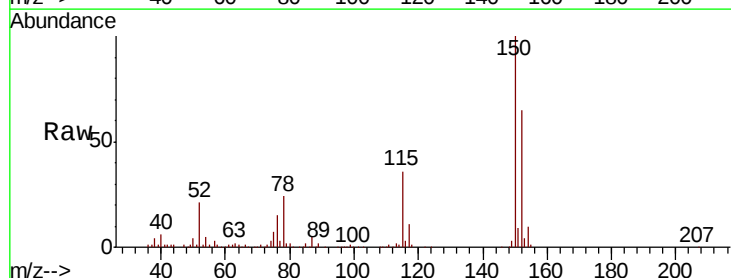


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

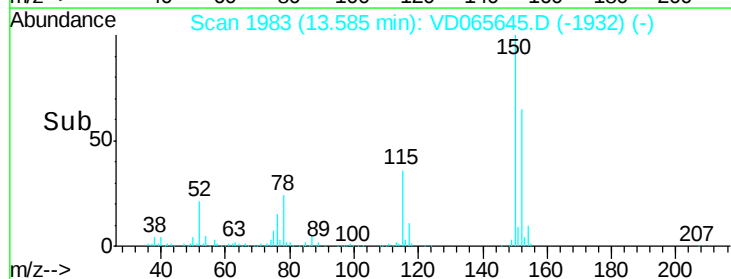
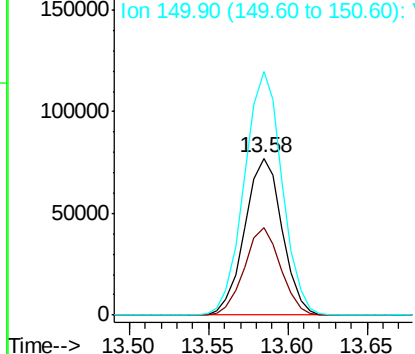


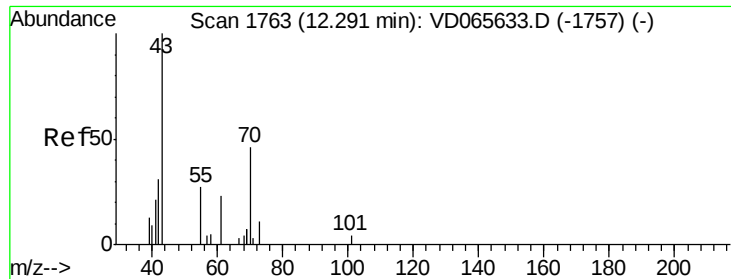
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065645.D
Acq: 17 Apr 2020 15:29

Tgt Ion:152 Resp: 126724
Ion Ratio Lower Upper
152 100
115 53.9 27.6 82.7
150 156.1 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.653 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.02 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 1599

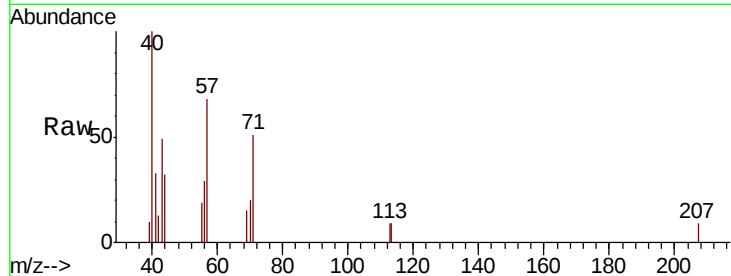
Ion Ratio Lower Upper

43 100

70 35.3 35.4 53.0#

55 50.8 22.2 33.2#

61 0.0 19.3 28.9#

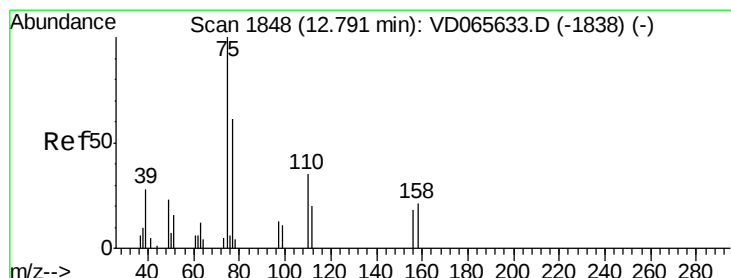
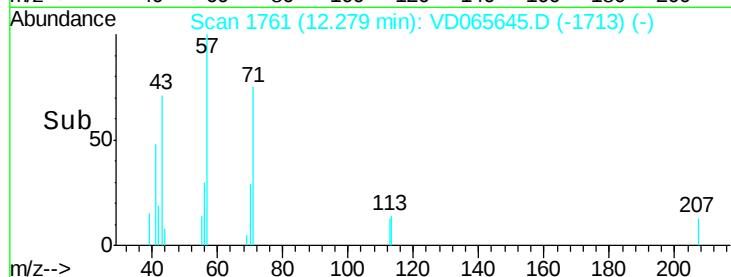
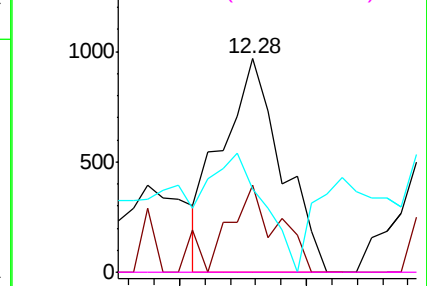


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 57.612 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065645.D

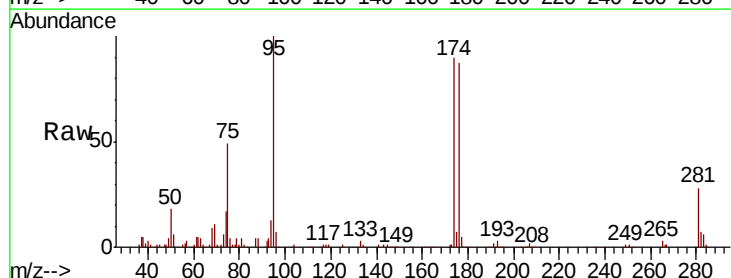
Acq: 17 Apr 2020 15:29

Tgt Ion: 75 Resp: 58701

Ion Ratio Lower Upper

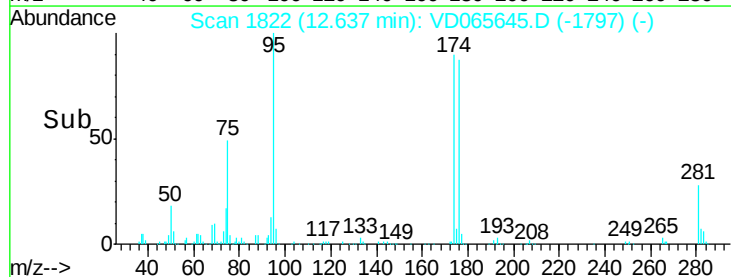
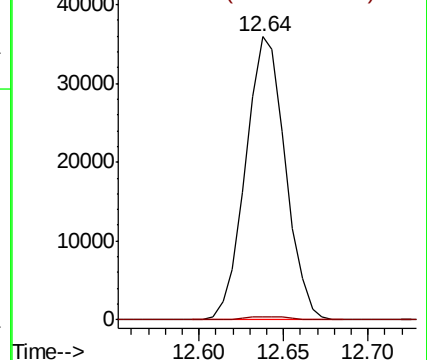
75 100

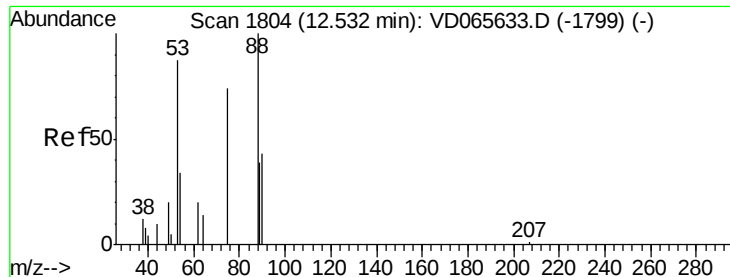
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 126.264 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

Instrument :

MSVOA_D

ClientSampled :

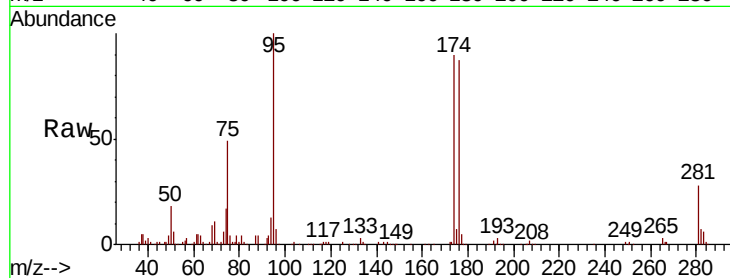
Tot Ion: 75 Resp: 58701

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

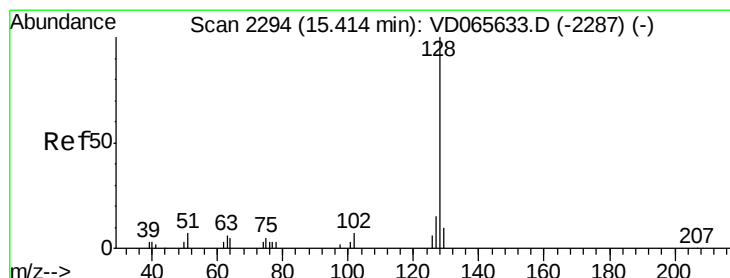
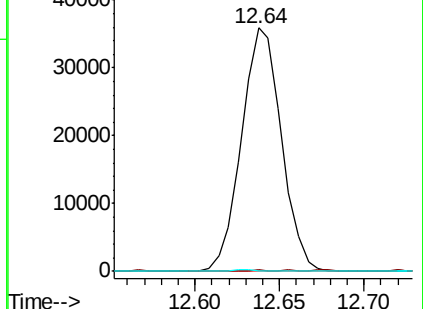
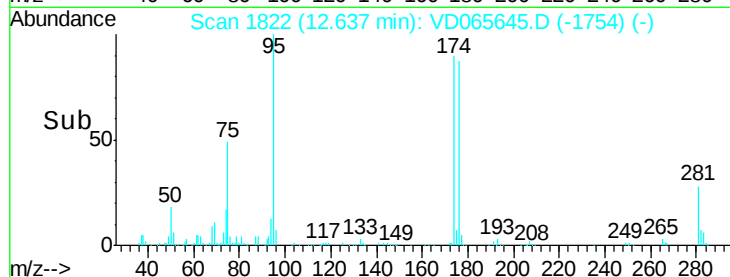
89 0.2 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#95

Naphthalene

Concen: 4.469 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065645.D

Acq: 17 Apr 2020 15:29

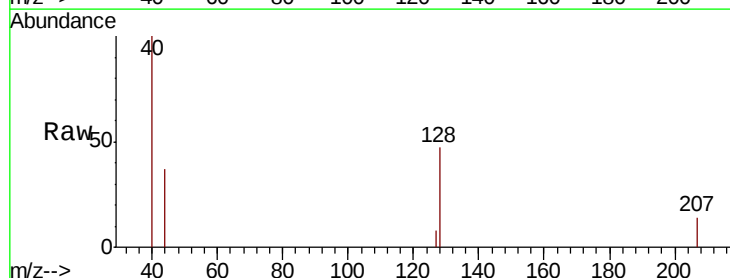
Tgt Ion: 128 Resp: 1595

Ion Ratio Lower Upper

128 100

127 3.6 10.6 16.0#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

