

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065620.D
 Acq On : 13 Apr 2020 16:46
 Operator : VA/SY
 Sample : L2229-11
 Misc : 6.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-40

Quant Time: Apr 14 02:13:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	465412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	843296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	818123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385615	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	262813	59.71	ug/l	0.00
Spiked Amount			Recovery	=	119.42%	
35) Dibromofluoromethane	7.92	113	292578	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.34	98	998744	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	12.64	95	335382	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

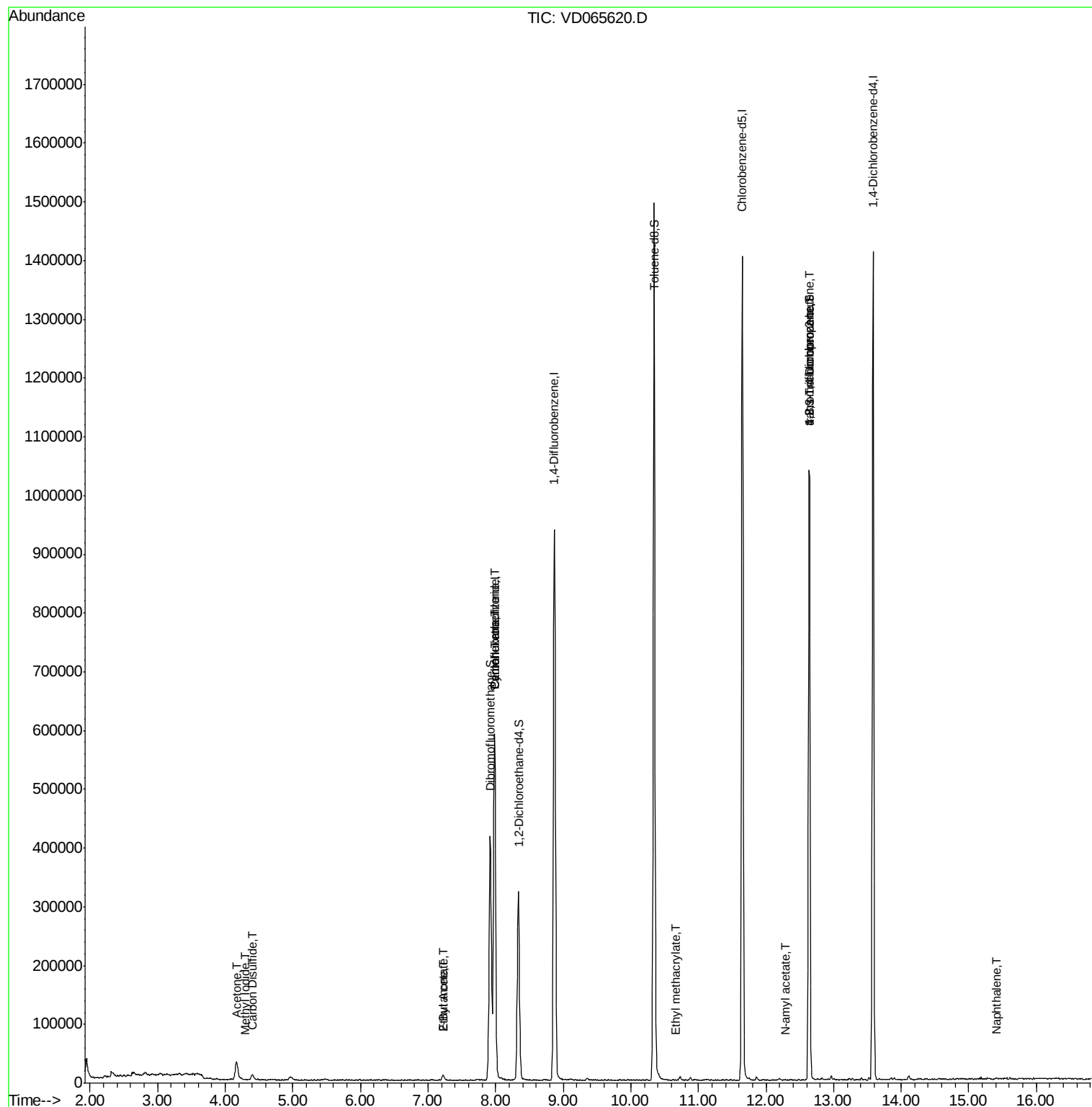
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	388	2.647	ug/l #	57
16) Acetone	4.17	43	56188	70.692	ug/l	97
17) Carbon Disulfide	4.40	76	18653	1.256	ug/l	96
25) 2-Butanone	7.23	43	11554	10.620	ug/l	91
31) Cyclohexane	7.99	56	9670	1.232	ug/l #	1
37) Ethyl Acetate	7.23	43	11554	3.584	ug/l #	70
38) Carbon Tetrachloride	7.98	117	43275	4.590	ug/l #	15
56) Ethyl methacrylate	10.66	69	127	3.334	ug/l #	75
74) N-amyl acetate	12.29	43	434	3.007	ug/l #	41
76) 1,2,3-Trichloropropane	12.64	75	163808	52.966	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	163808	122.688	ug/l #	13
95) Naphthalene	15.42	128	1778	4.121	ug/l #	91

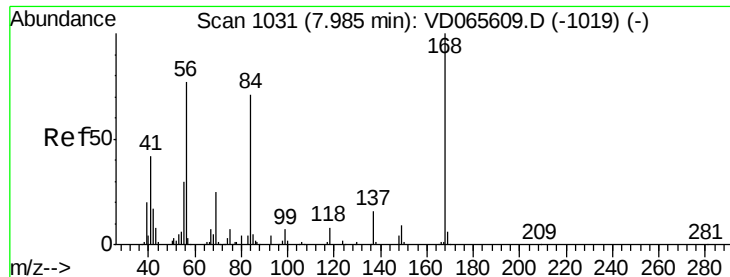
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 14 02:13:06 2020
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Quant Title : SW846 8260
QLast Update : Fri Apr 10 01:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

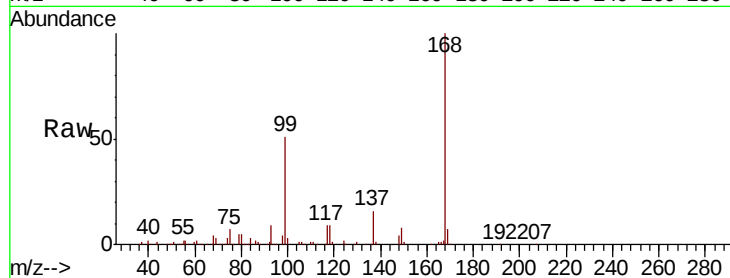
TP-40

Tot Ion:168 Resp: 465412

Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

200000

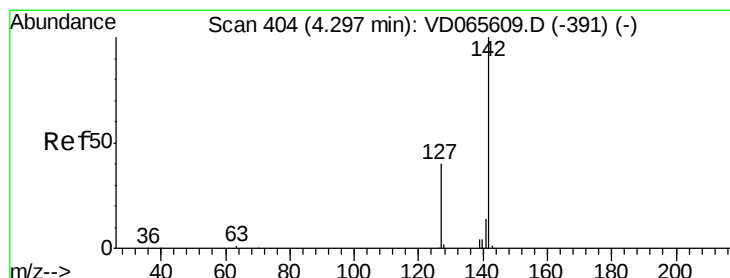
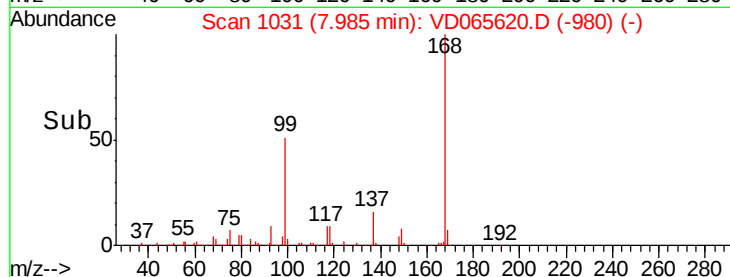
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.647 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

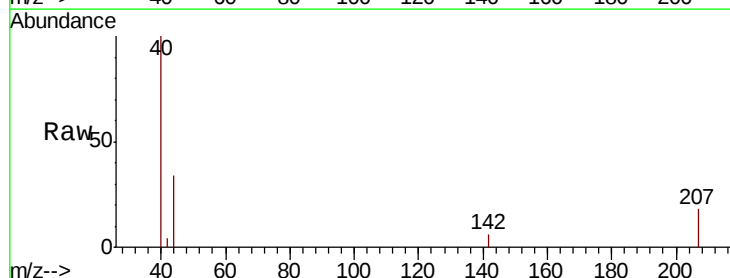
Tgt Ion:142 Resp: 388

Ion Ratio Lower Upper

142 100

127 14.2 34.6 51.8#

141 0.0 11.7 17.5#



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

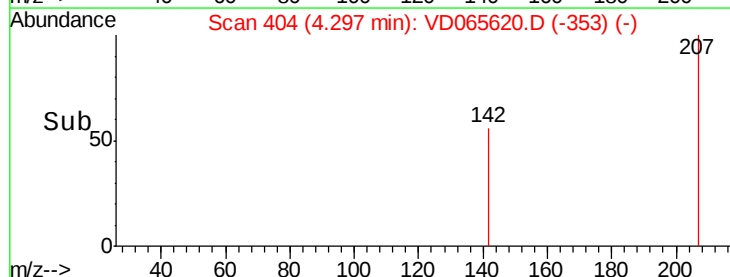
300

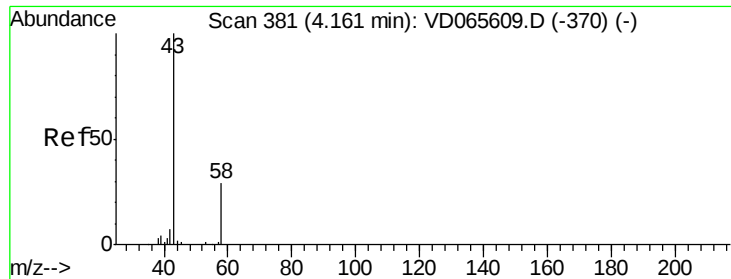
200

100

0

Time-->





#16

Acetone

Concen: 70.692 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

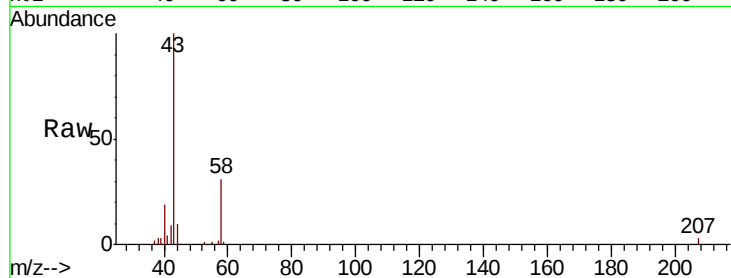
TP-40

Tot Ion: 43 Resp: 56188

Ion Ratio Lower Upper

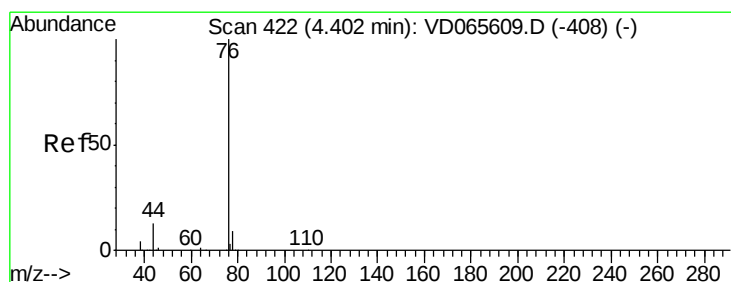
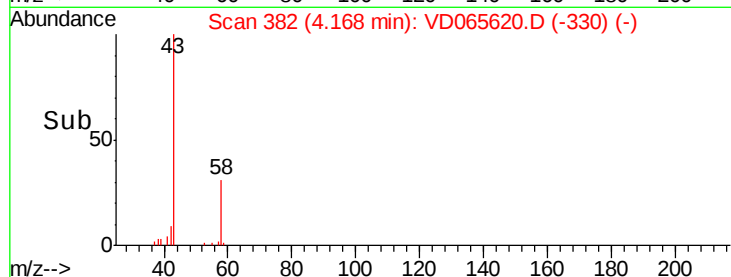
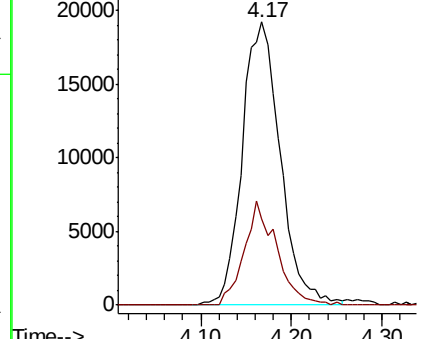
43 100

58 30.6 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.256 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065620.D

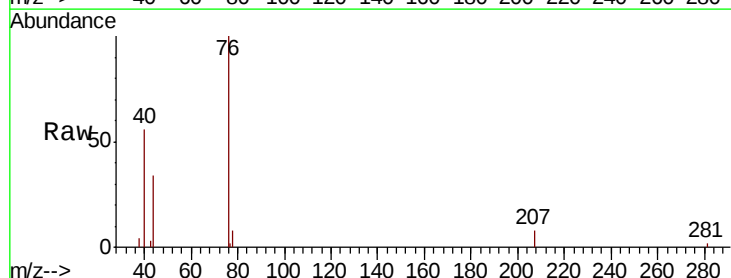
Acq: 13 Apr 2020 16:46

Tgt Ion: 76 Resp: 18653

Ion Ratio Lower Upper

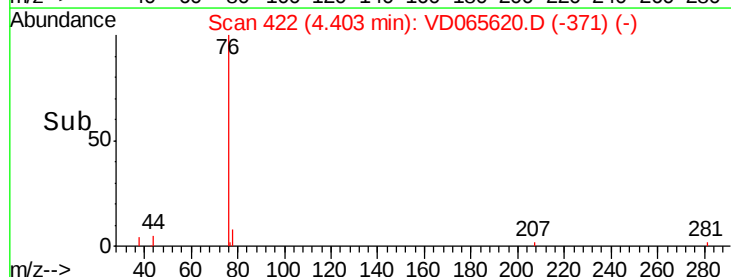
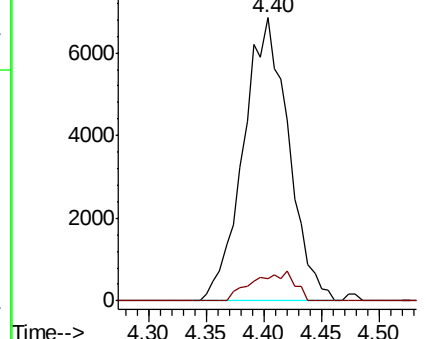
76 100

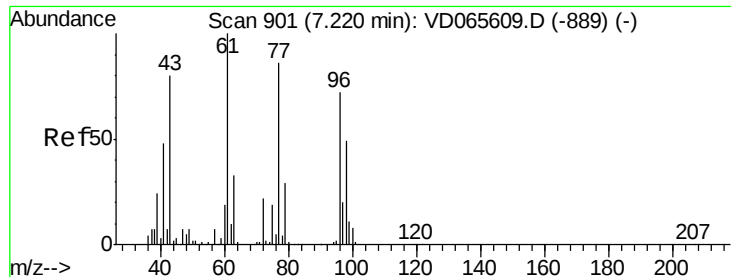
78 7.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#25

2-Butanone

Concen: 10.620 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampled :

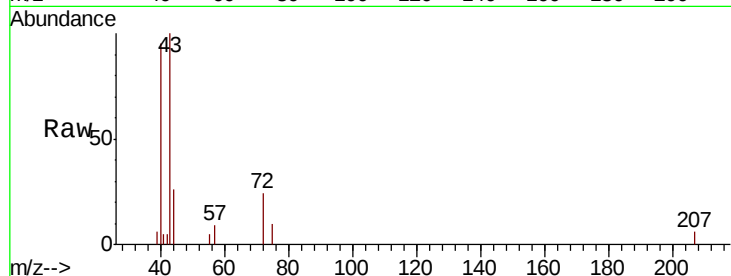
TP-40

Tot Ion: 43 Resp: 11554

Ion Ratio Lower Upper

43 100

72 23.6 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

5000

4000

3000

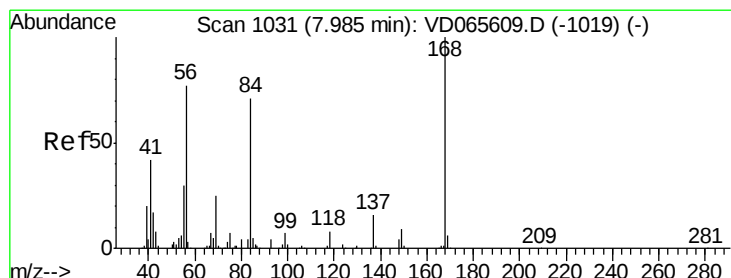
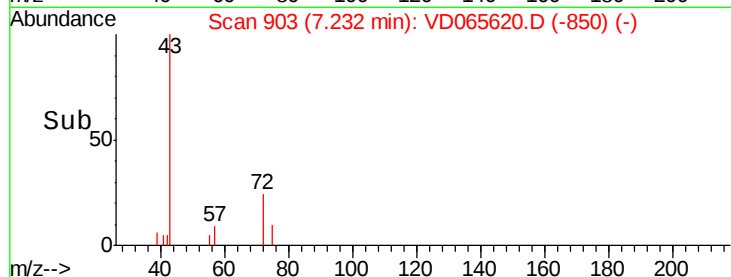
2000

1000

0

7.15 7.20 7.25 7.30

Time-->



#31

Cyclohexane

Concen: 1.232 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

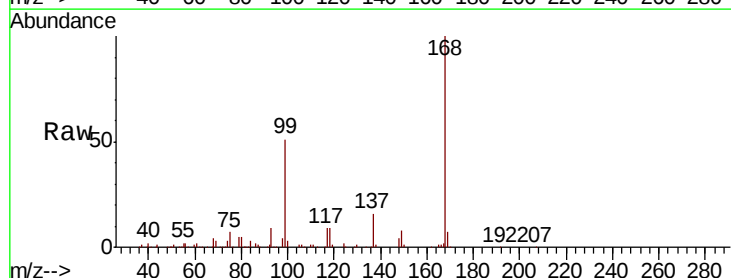
Tgt Ion: 56 Resp: 9670

Ion Ratio Lower Upper

56 100

69 163.8 26.2 39.4#

84 157.0 73.7 110.5#



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

10000

8000

6000

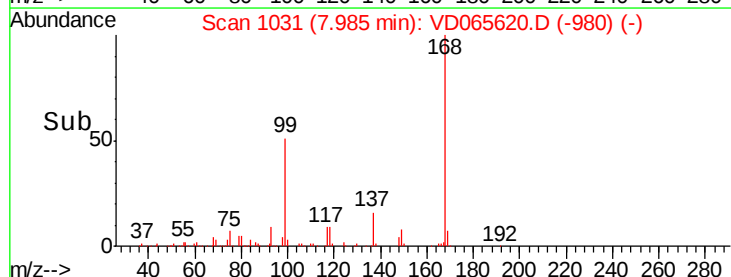
4000

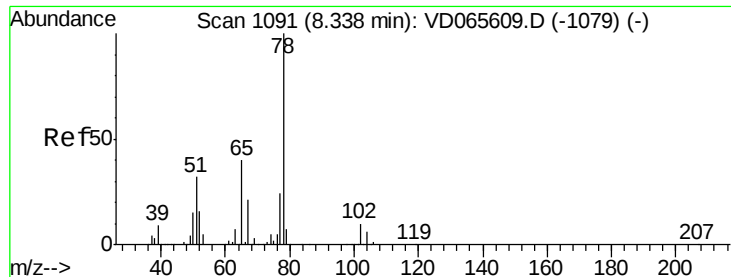
2000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 59.708 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

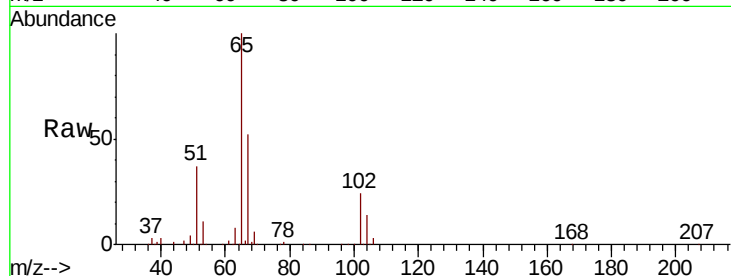
TP-40

Tot Ion: 65 Resp: 262813

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

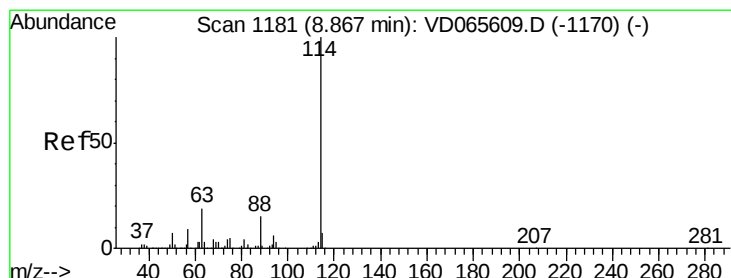
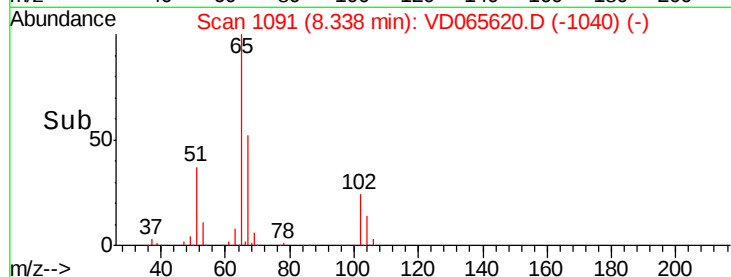
8.34

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

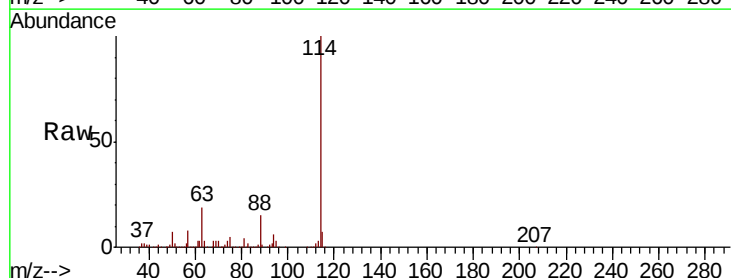
Tgt Ion: 114 Resp: 843296

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.2

88 14.5 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

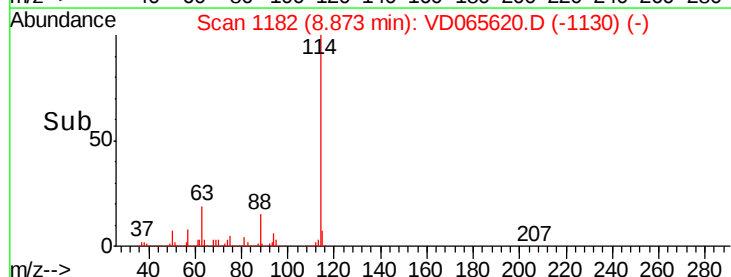
300000

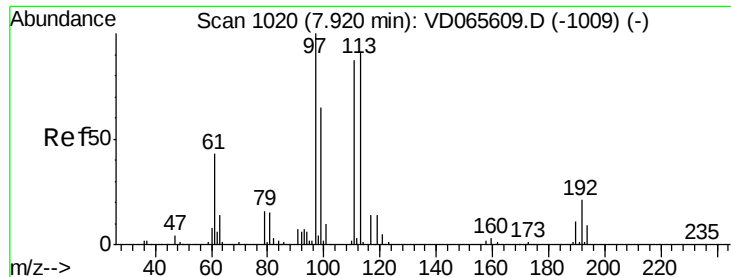
200000

100000

0

Time--> 8.80 8.90 9.00

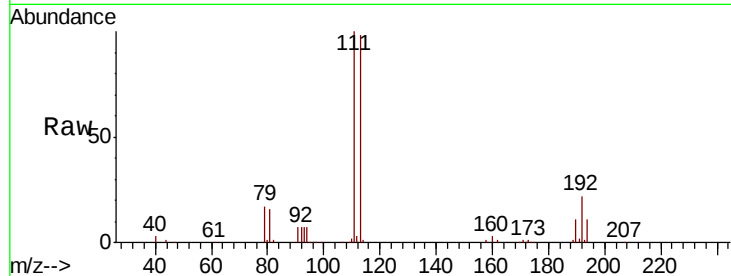




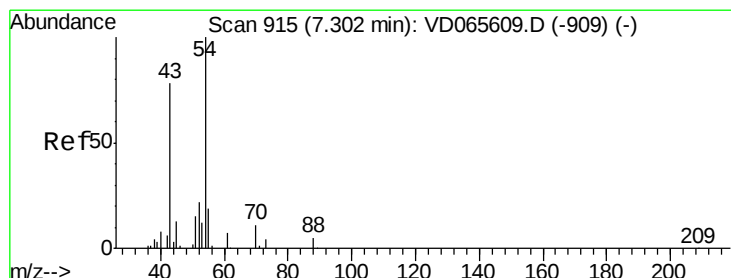
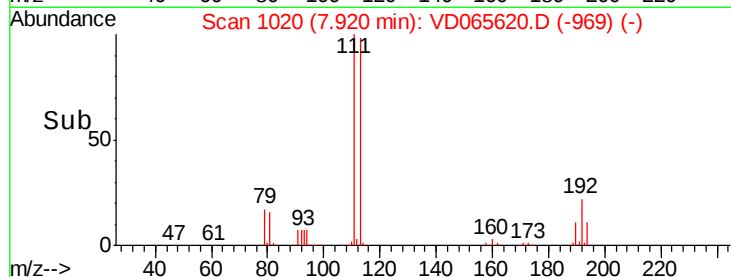
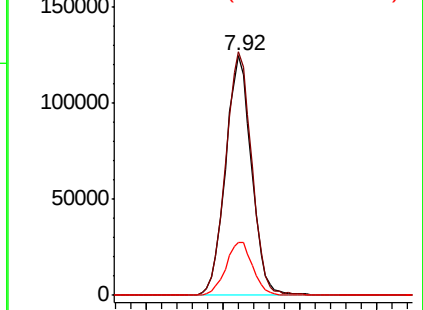
#35
 Dibromofluoromethane
 Concen: 49.661 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065620.D
 Acq: 13 Apr 2020 16:46

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-40

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	120.8
192	22.9	18.6	27.8

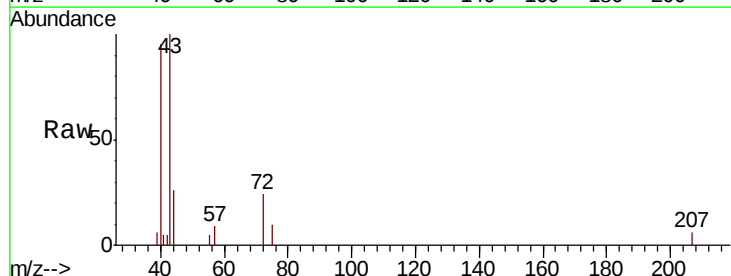


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

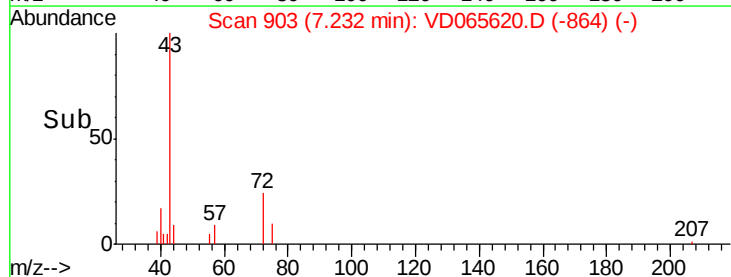
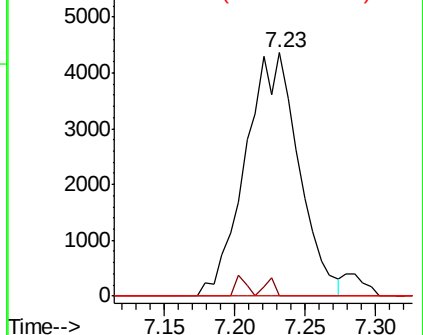


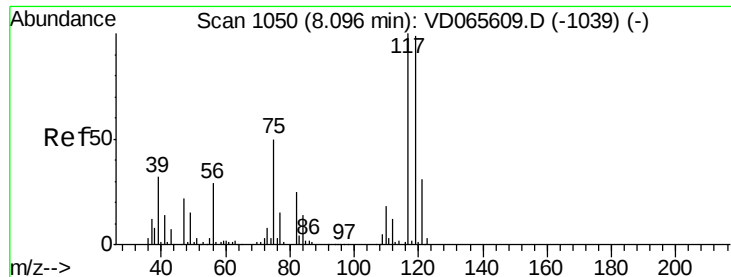
#37
 Ethyl Acetate
 Concen: 3.584 ug/l
 RT: 7.23 min Scan# 903
 Delta R.T. -0.07 min
 Lab File: VD065620.D
 Acq: 13 Apr 2020 16:46

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.5	11.3	16.9#
70	0.0	8.6	13.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 70.00 (69.70 to 70.70): VDC

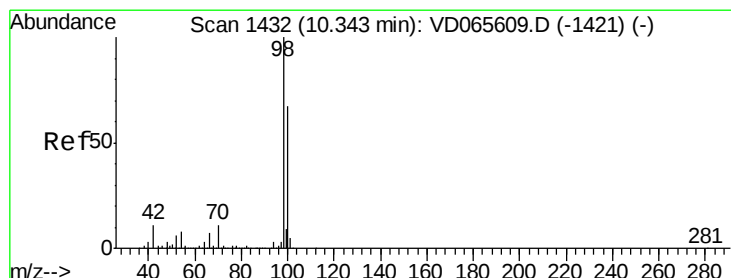
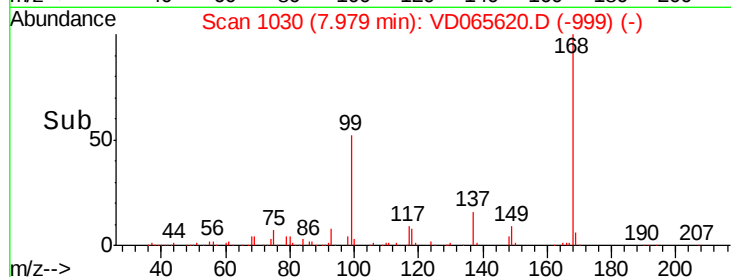
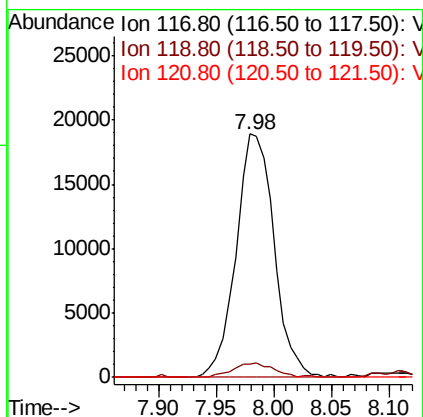
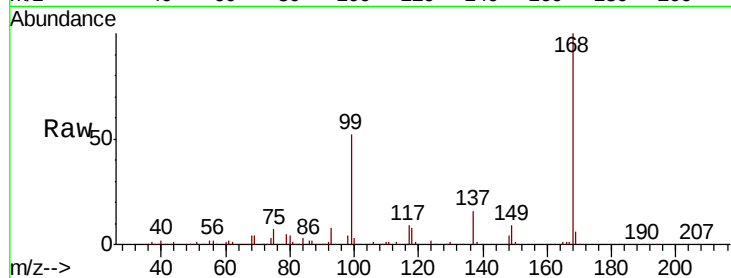




#38
Carbon Tetrachloride
Concen: 4.590 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065620.D
Acq: 13 Apr 2020 16:46

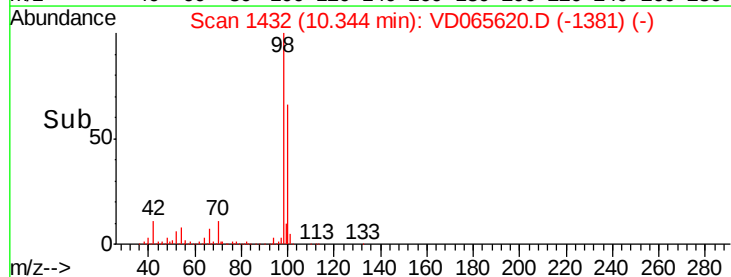
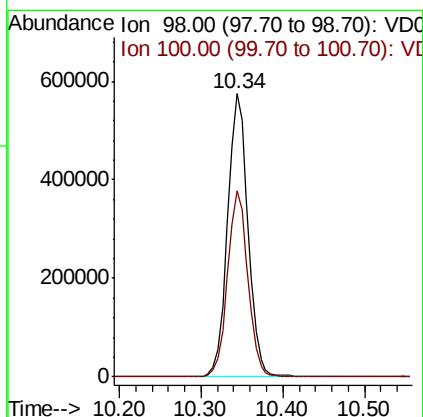
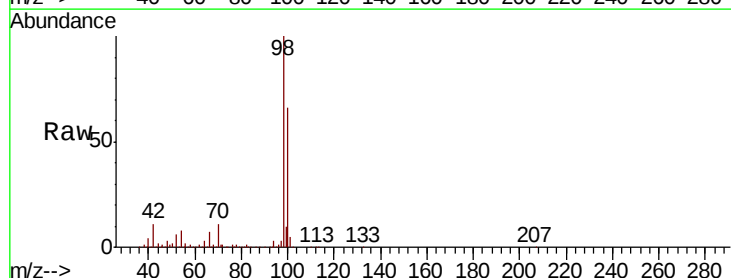
Instrument :
MSVOA_D
ClientSampleId :
TP-40

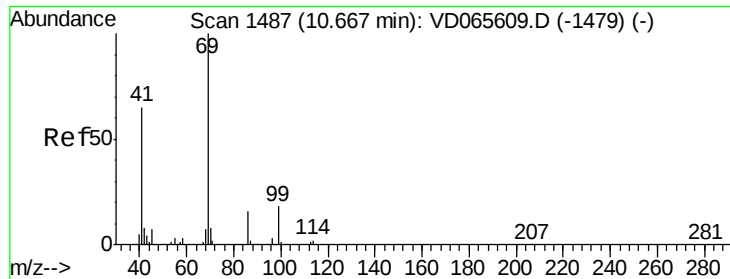
Tot Ion:117 Resp: 43275
Ion Ratio Lower Upper
117 100
119 5.5 78.9 118.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 46.422 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065620.D
Acq: 13 Apr 2020 16:46

Tgt Ion: 98 Resp: 998744
Ion Ratio Lower Upper
98 100
100 65.5 52.6 79.0





#56

Ethyl methacrylate

Concen: 3.334 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampled :

TP-40

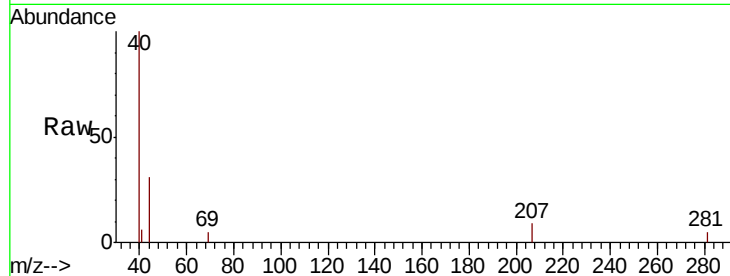
Tot Ion: 69 Resp: 127

Ion Ratio Lower Upper

69 100

41 47.2 54.4 81.6#

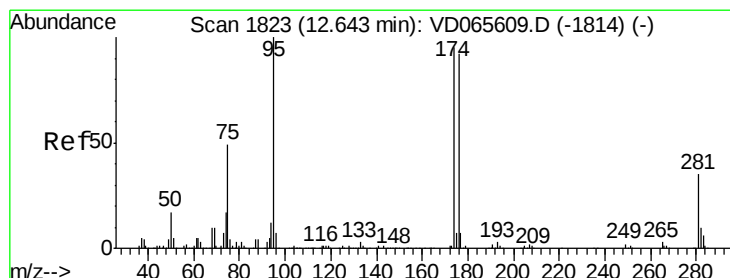
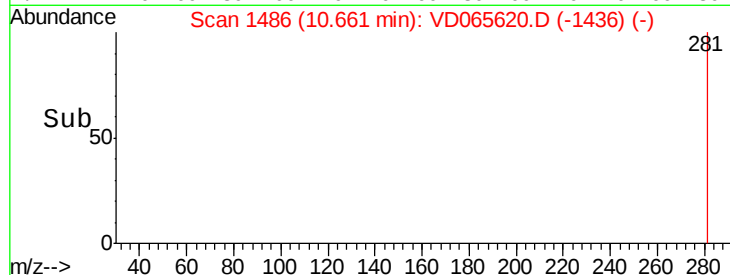
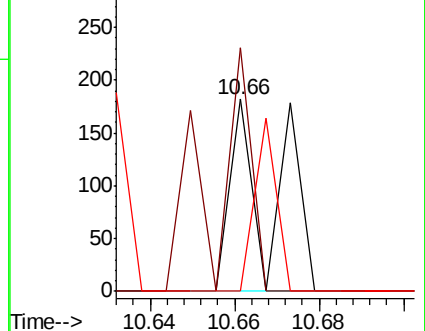
39 45.7 26.5 39.7#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#62

4-Bromofluorobenzene

Concen: 48.512 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

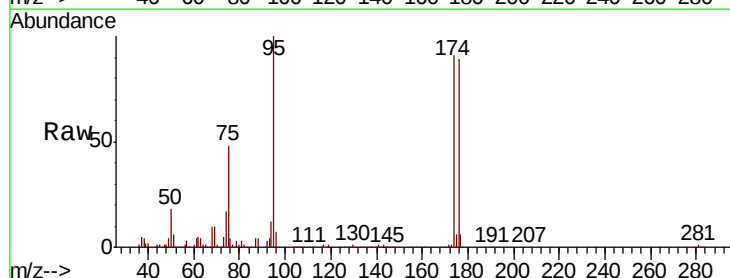
Tgt Ion: 95 Resp: 335382

Ion Ratio Lower Upper

95 100

174 94.1 0.0 182.8

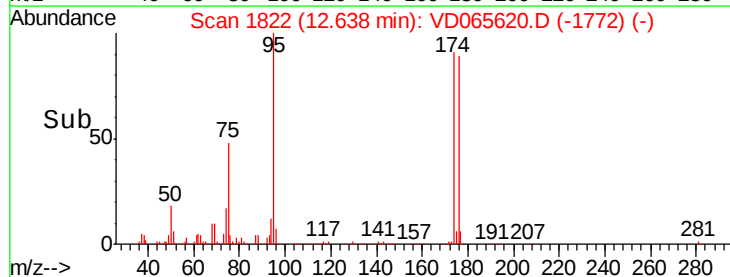
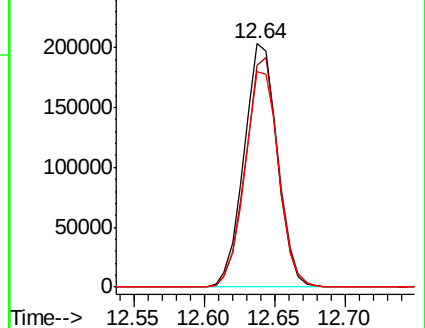
176 90.3 0.0 176.6

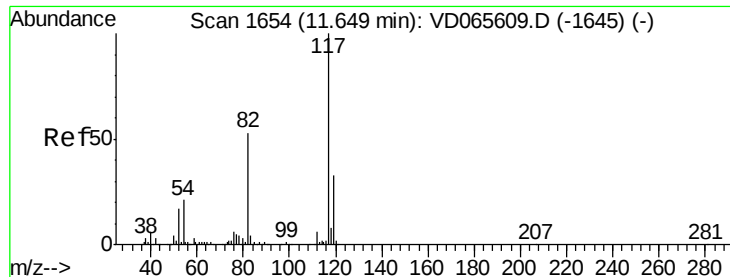


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

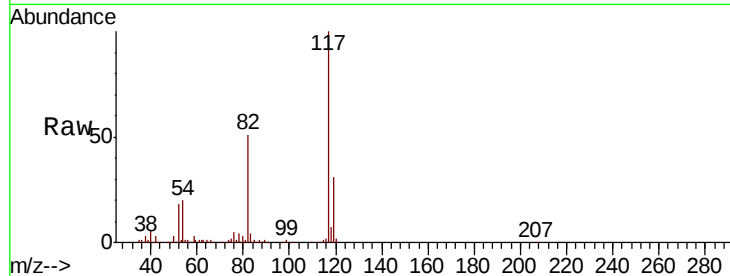




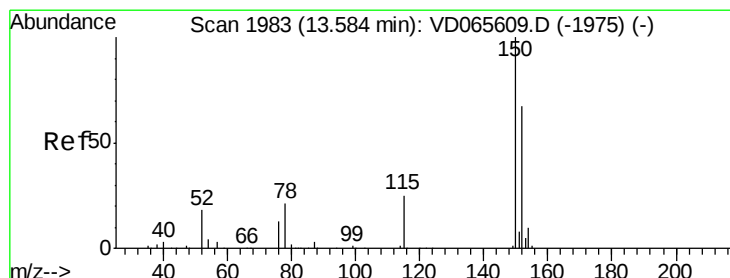
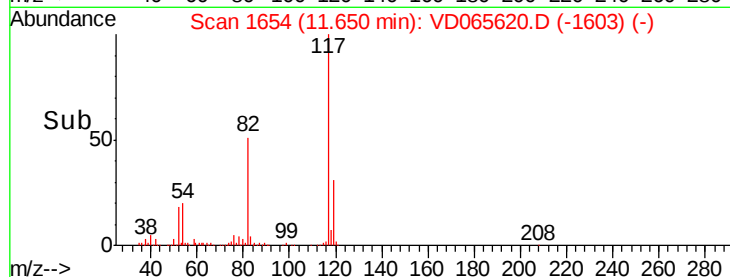
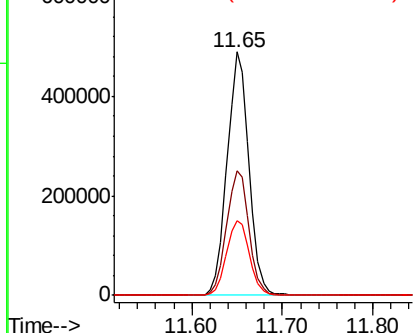
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065620.D
Acq: 13 Apr 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
TP-40

Tot Ion:117 Resp: 818123
Ion Ratio Lower Upper
117 100
82 51.4 42.6 64.0
119 30.8 26.7 40.1

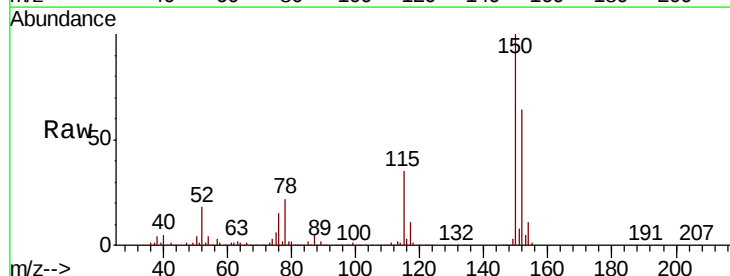


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

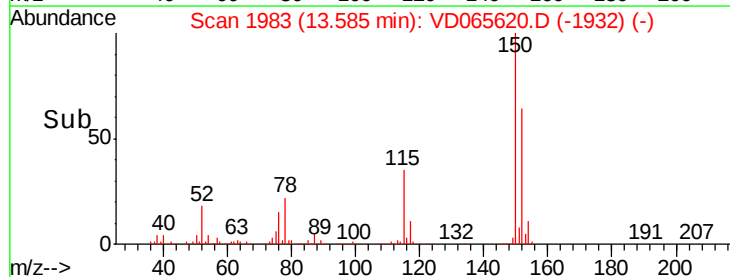
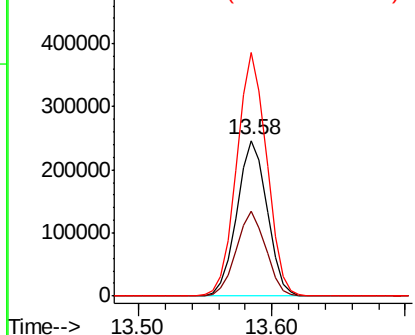


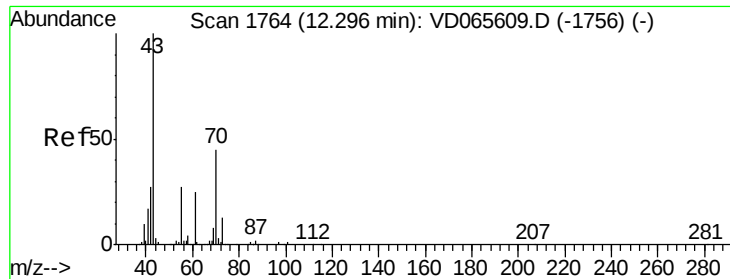
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065620.D
Acq: 13 Apr 2020 16:46

Tgt Ion:152 Resp: 385615
Ion Ratio Lower Upper
152 100
115 53.7 27.1 81.2
150 156.1 0.0 348.2



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: 3.007 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065620.D

Acq: 13 Apr 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

TP-40

Tot Ion: 43 Resp: 434

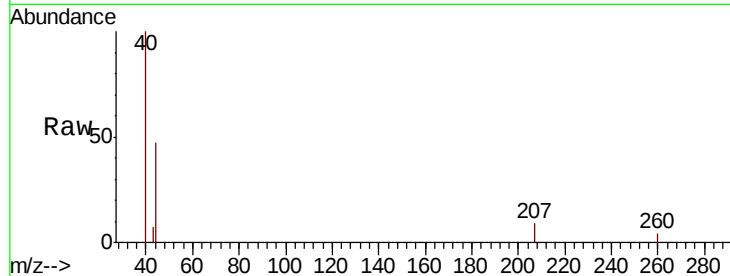
Ion Ratio Lower Upper

43 100

70 0.0 35.2 52.8#

55 0.0 22.5 33.7#

61 0.0 19.4 29.0#

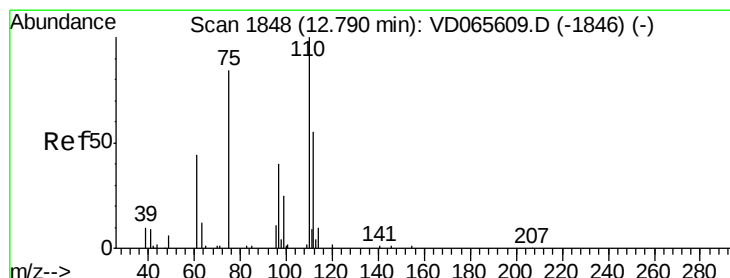
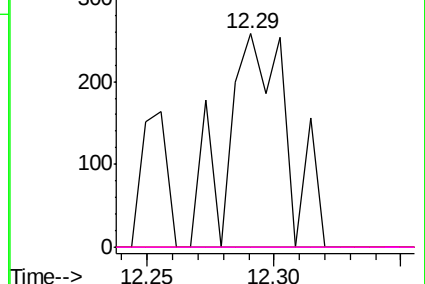
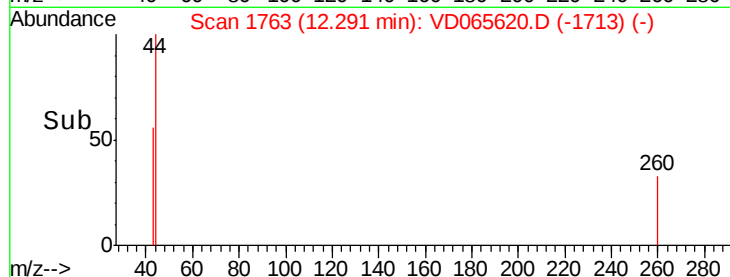


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 52.966 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065620.D

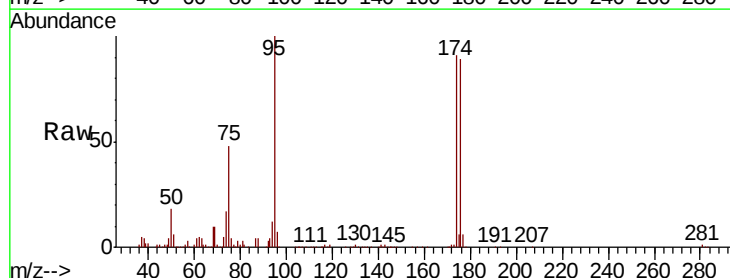
Acq: 13 Apr 2020 16:46

Tgt Ion: 75 Resp: 163808

Ion Ratio Lower Upper

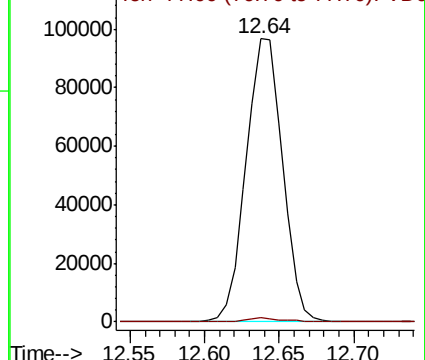
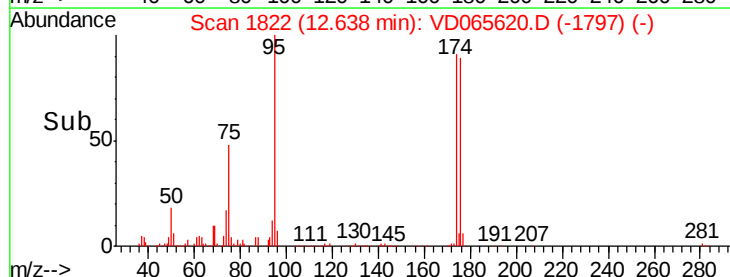
75 100

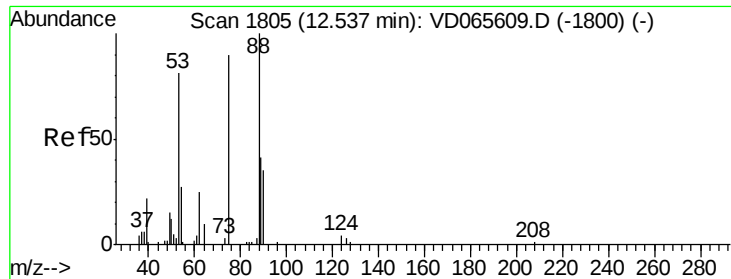
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

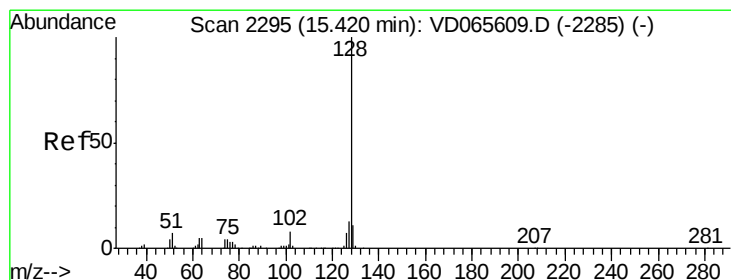
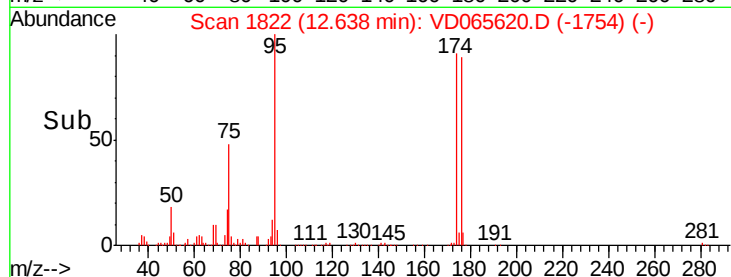
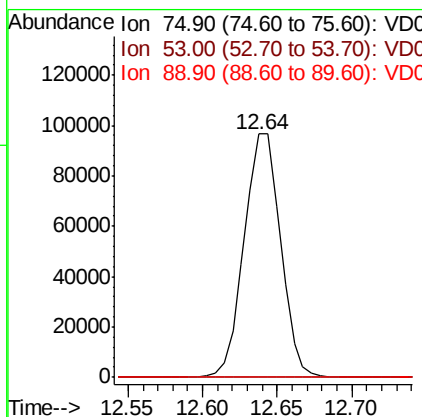
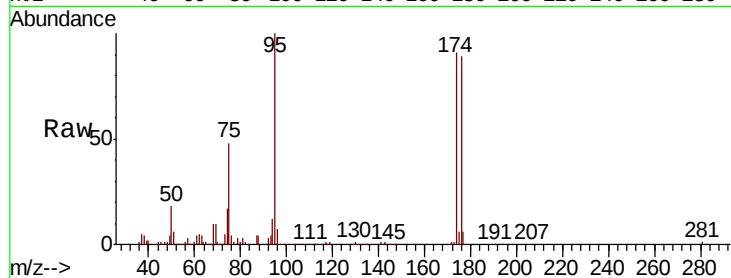




#81
trans-1,4-Dichloro-2-butene
Concen: 122.688 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD065620.D
Acq: 13 Apr 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
TP-40

Tot Ion: 75 Resp: 163808
Ion Ratio Lower Upper
75 100
53 0.2 73.8 110.8#
89 0.0 36.1 54.1#



#95
Naphthalene
Concen: 4.121 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VD065620.D
Acq: 13 Apr 2020 16:46

Tgt Ion:128 Resp: 1778
Ion Ratio Lower Upper
128 100
127 9.8 10.6 15.8#
129 14.2 8.4 12.6#

