

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065432.D
 Acq On : 05 Mar 2020 15:40
 Operator : VA/SY
 Sample : L1792-07
 Misc : 6.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 06 03:49:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	548953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	932827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	844812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	378437	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	272898	57.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.90%	
35) Dibromofluoromethane	7.92	113	298932	51.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.64%	
50) Toluene-d8	10.34	98	1120551	50.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.64	95	334433	48.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.90%	

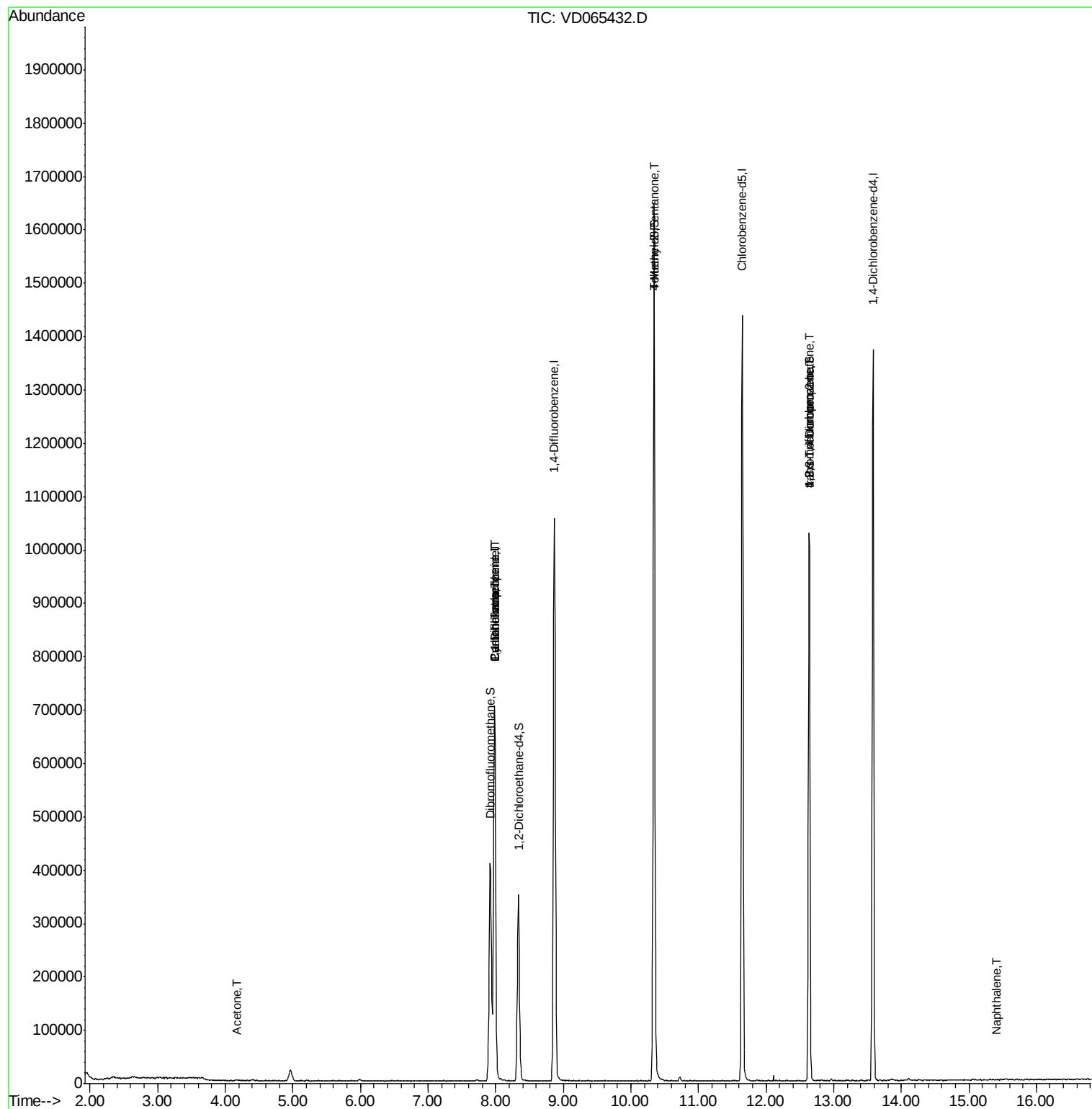
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	376	Below Cal		83
16) Acetone	4.17	43	1589	1.669	ug/l #	43
20) Methylene Chloride	4.97	84	16031	Below Cal		96
31) Cyclohexane	7.98	56	10364	1.108	ug/l #	2
36) 1,1-Dichloropropene	7.98	75	38826	4.342	ug/l #	50
38) Carbon Tetrachloride	7.99	117	50469	5.443	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	4653	1.449	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	163291	54.682	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	163291	115.396	ug/l #	14
95) Naphthalene	15.41	128	1239	4.500	ug/l #	75

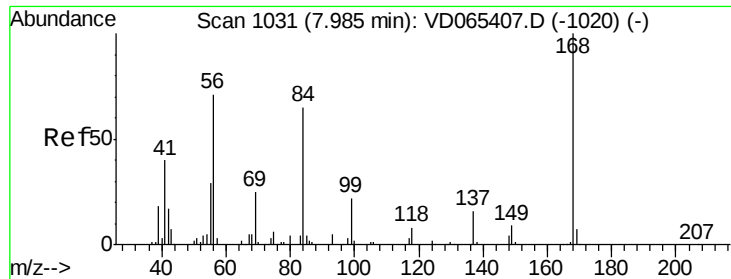
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

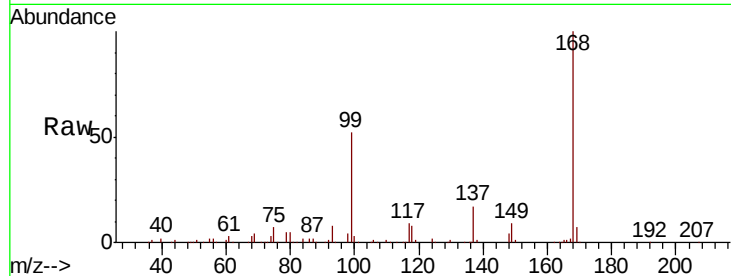
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 548953

Ion Ratio Lower Upper

168 100

99 52.5 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

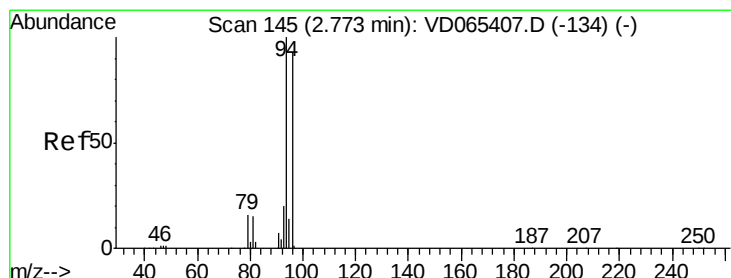
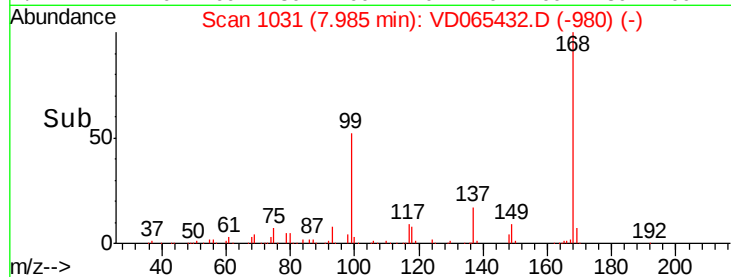
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065432.D

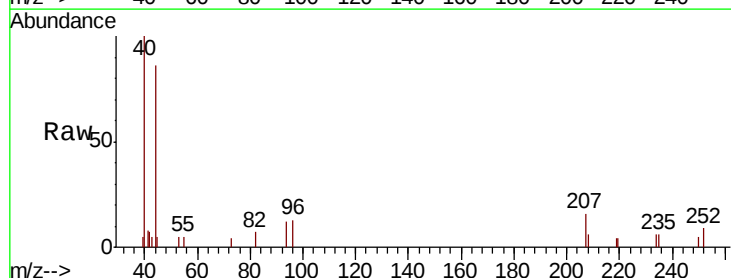
Acq: 05 Mar 2020 15:40

Tgt Ion: 94 Resp: 376

Ion Ratio Lower Upper

94 100

96 76.5 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

600

500

400

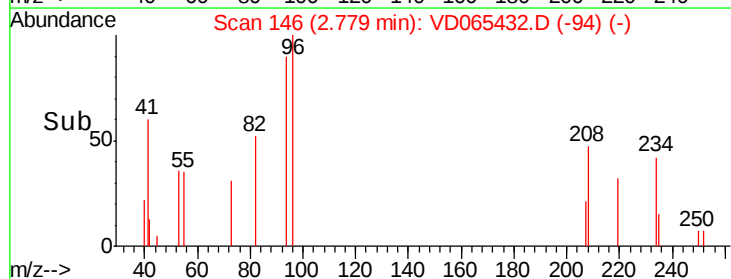
300

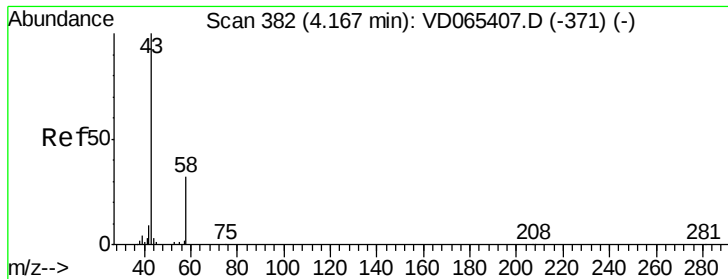
200

100

0

Time-->





#16

Acetone

Concen: 1.669 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

Instrument :

MSVOA_D

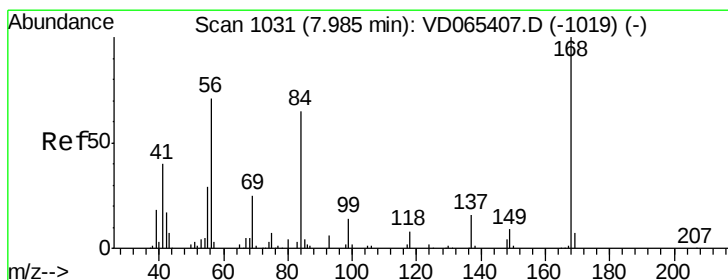
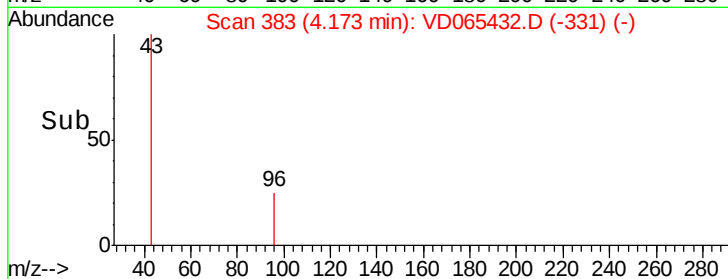
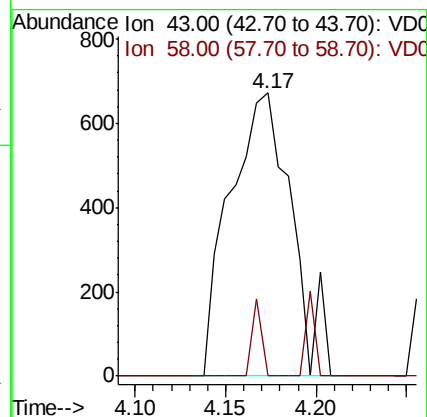
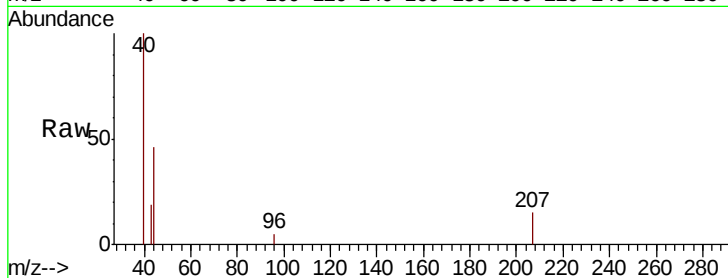
ClientSampleId :

Tot Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

58 0.0 25.1 37.7#



#31

Cyclohexane

Concen: 1.108 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

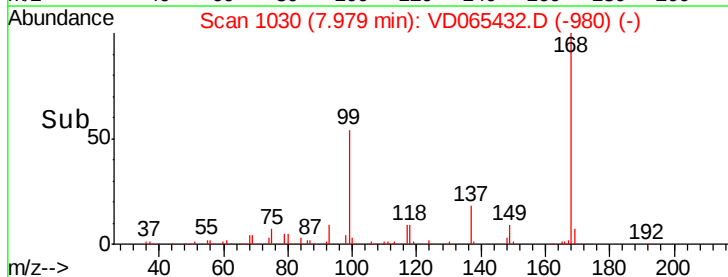
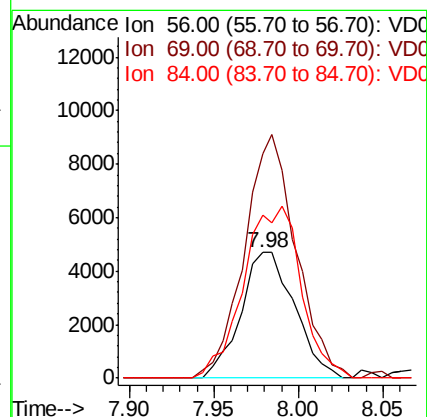
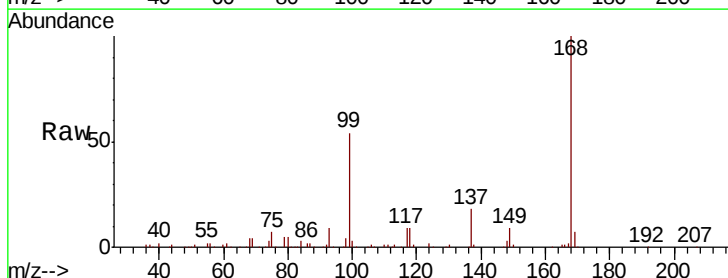
Tgt Ion: 56 Resp: 10364

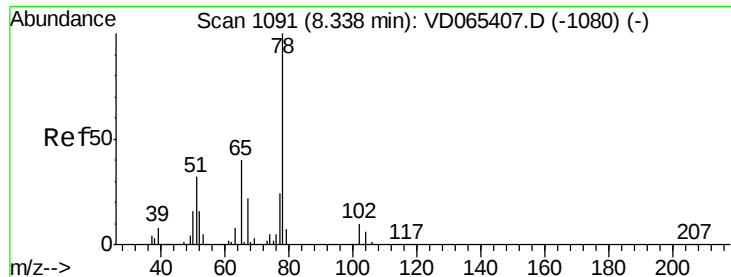
Ion Ratio Lower Upper

56 100

69 179.2 28.3 42.5#

84 130.0 73.1 109.7#





#33

1,2-Dichloroethane-d4

Concen: 57.953 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

Instrument :

MSVOA_D

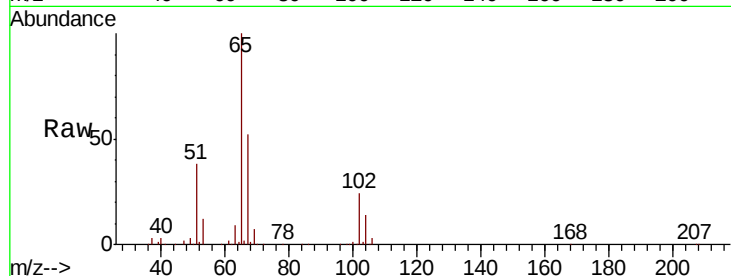
ClientSampleId :

Tot Ion: 65 Resp: 272898

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

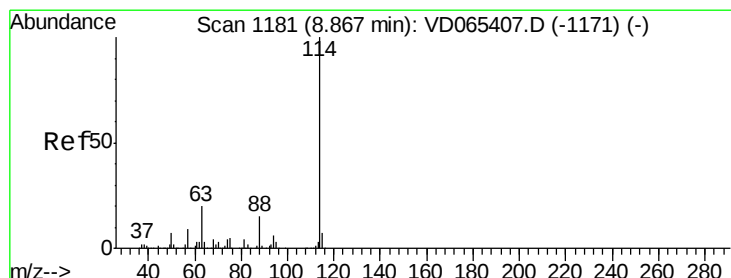
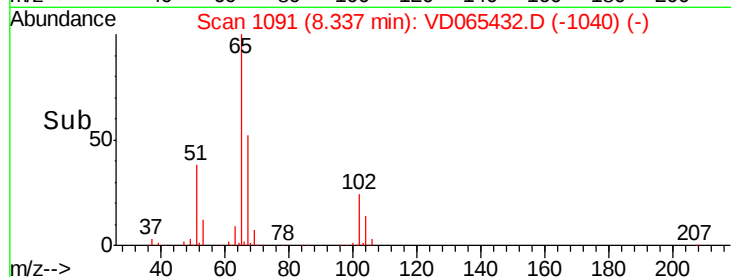
8.34

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

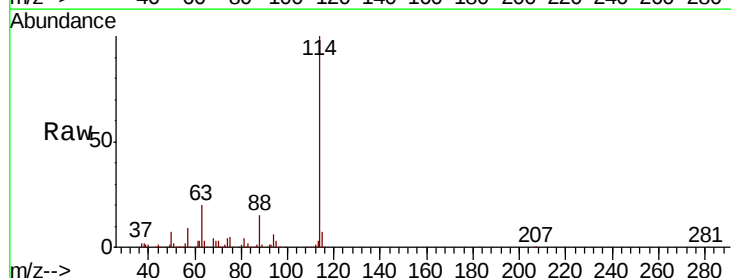
Tgt Ion: 114 Resp: 932827

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.2 0.0 30.4



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

600000

500000

400000

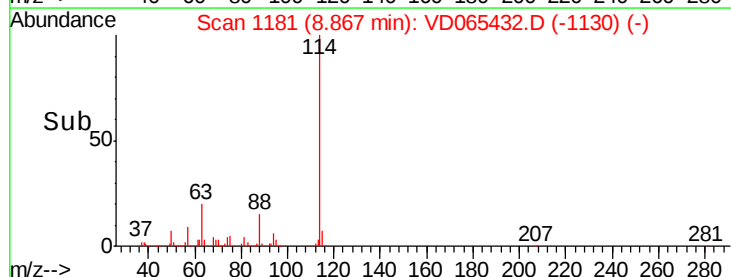
300000

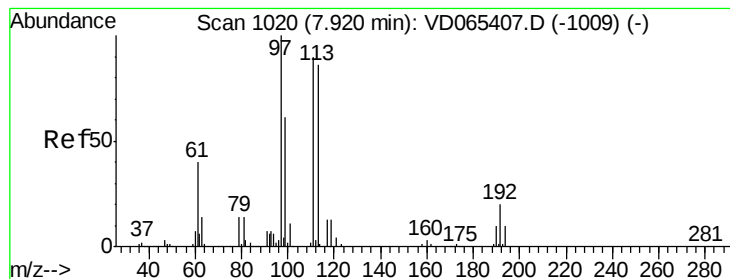
200000

100000

0

Time--> 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 51.820 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :

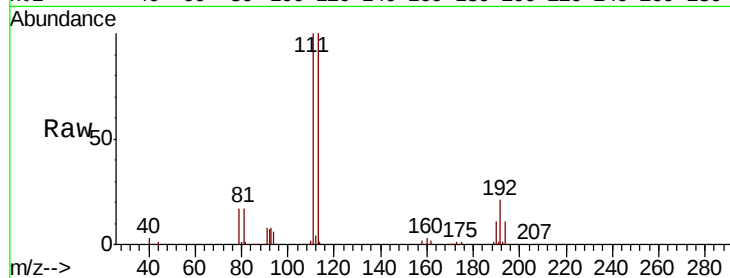
Tot Ion:113 Resp: 298932

Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

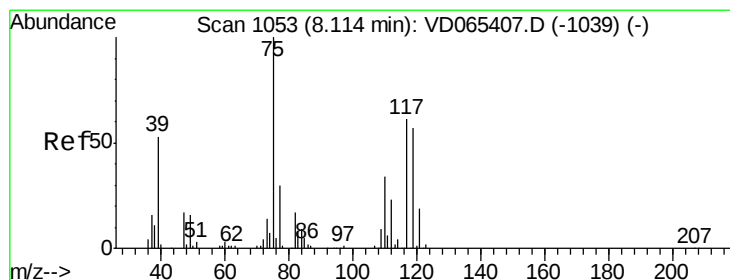
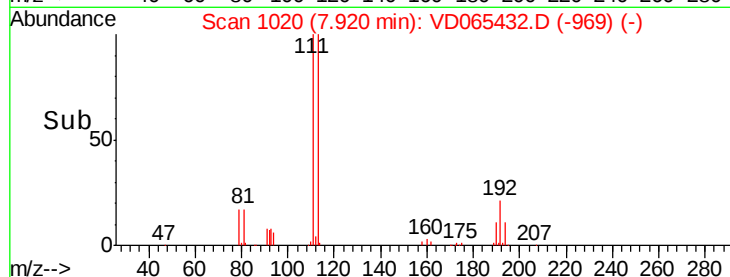
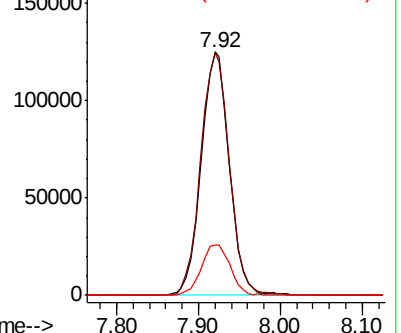
192 21.6 17.2 25.8



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



#36

1,1-Dichloropropene

Concen: 4.342 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

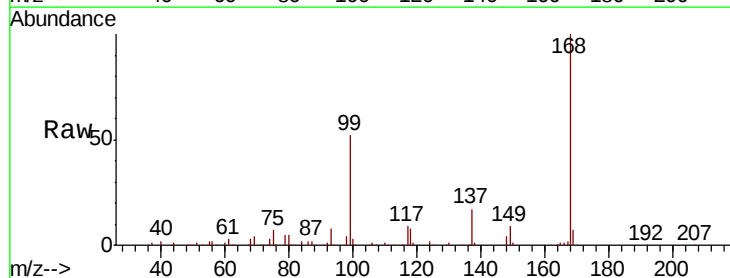
Tgt Ion: 75 Resp: 38826

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

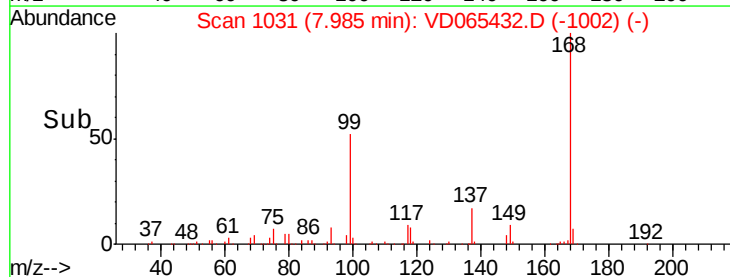
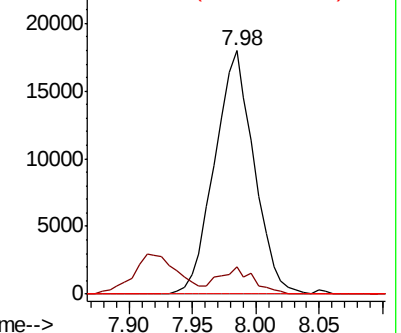
77 0.0 25.2 37.8#

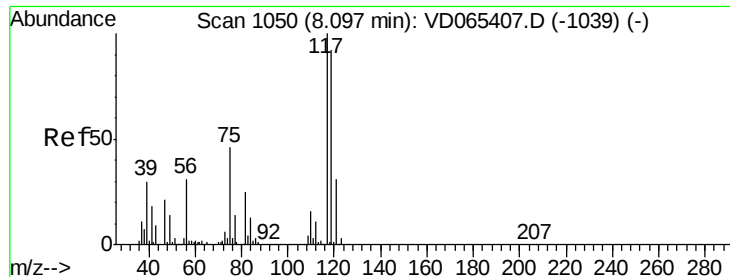


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.443 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

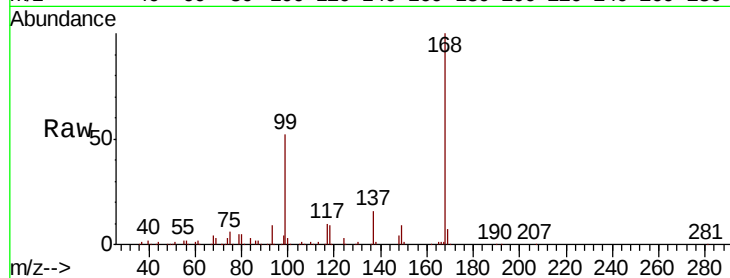
Tot Ion:117 Resp: 50469

Ion Ratio Lower Upper

117 100

119 4.4 73.3 109.9#

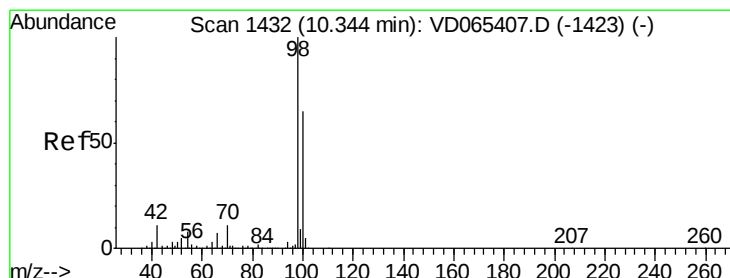
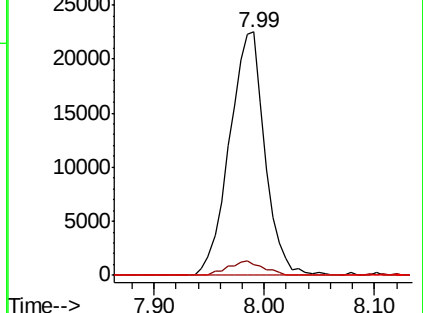
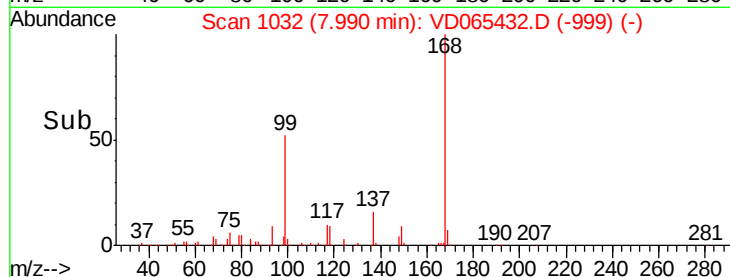
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.633 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065432.D

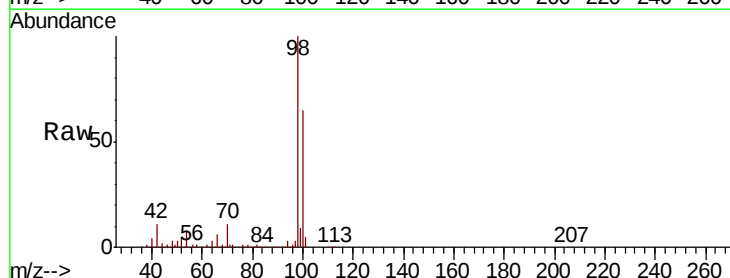
Acq: 05 Mar 2020 15:40

Tgt Ion: 98 Resp: 1120551

Ion Ratio Lower Upper

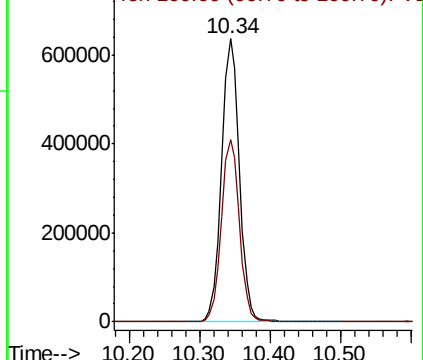
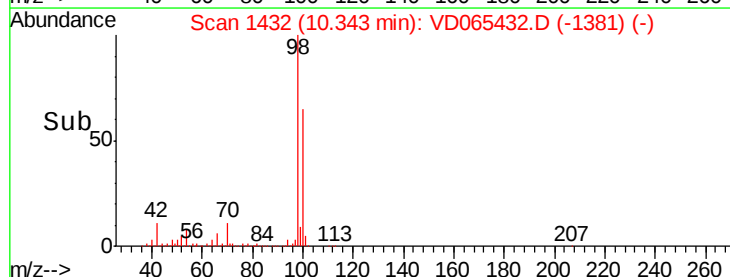
98 100

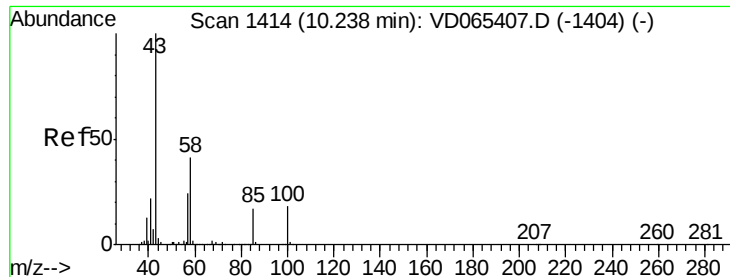
100 65.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.449 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

Instrument :

MSVOA_D

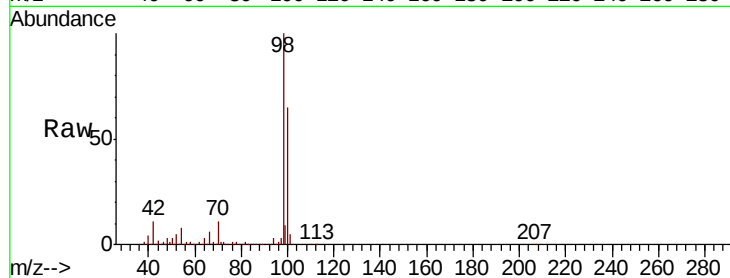
Client Sampled :

Tot Ion: 43 Resp: 4653

Ion Ratio Lower Upper

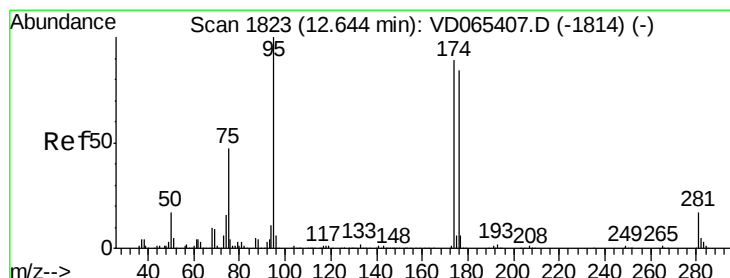
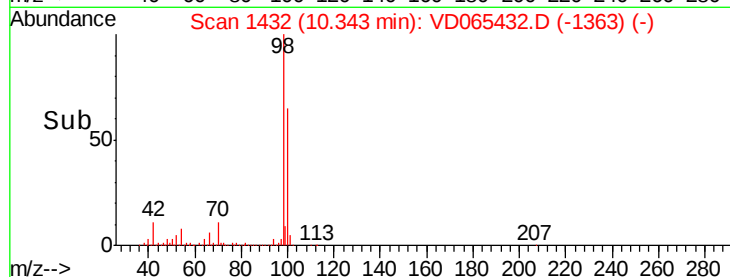
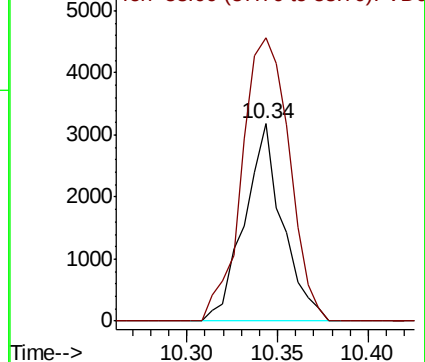
43 100

58 178.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 48.951 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

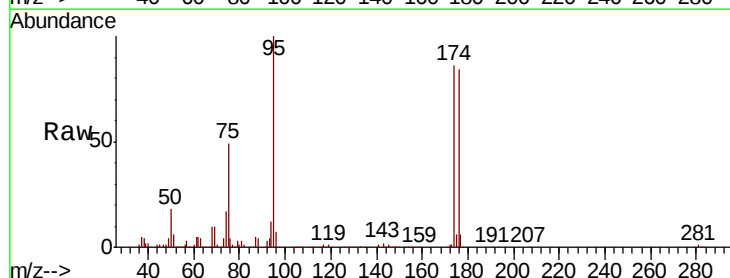
Tgt Ion: 95 Resp: 334433

Ion Ratio Lower Upper

95 100

174 90.9 0.0 176.8

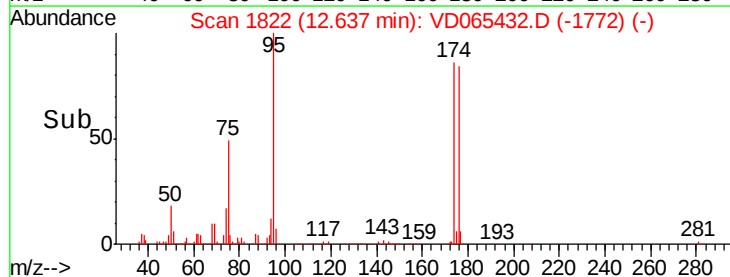
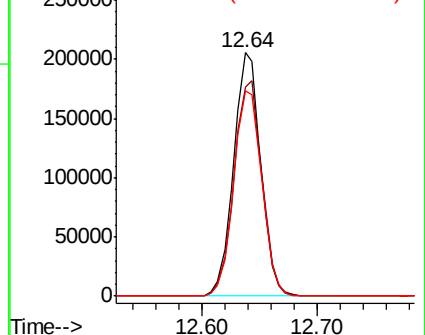
176 87.5 0.0 171.4

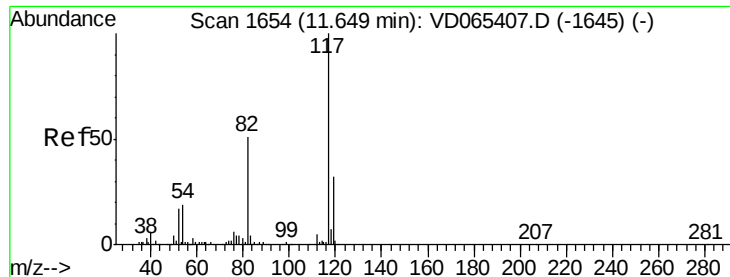


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

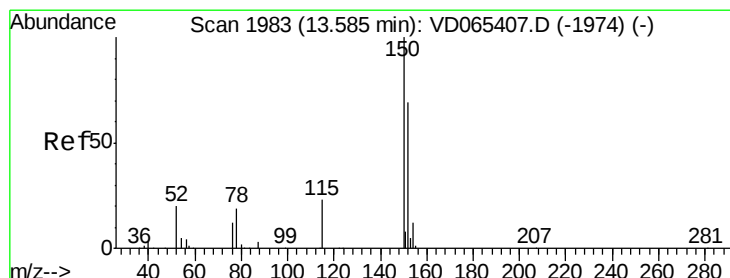
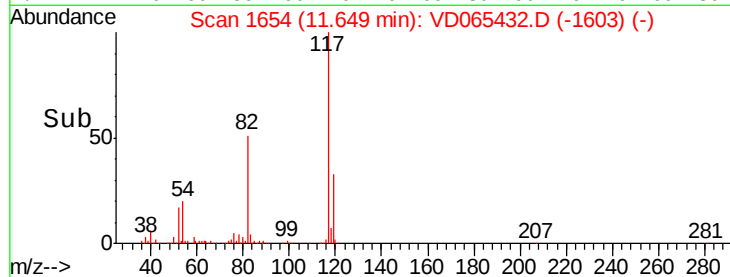
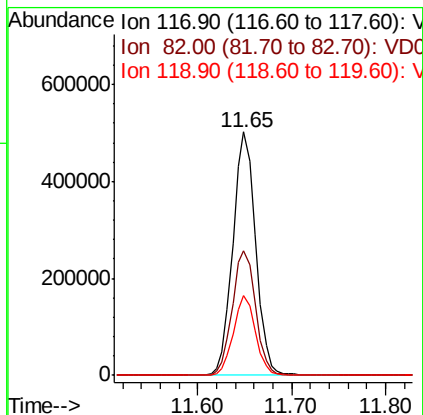
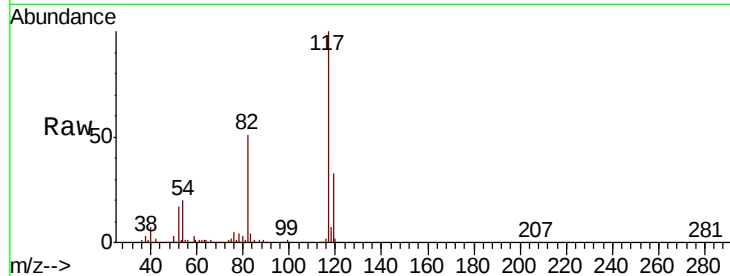




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065432.D
Acq: 05 Mar 2020 15:40

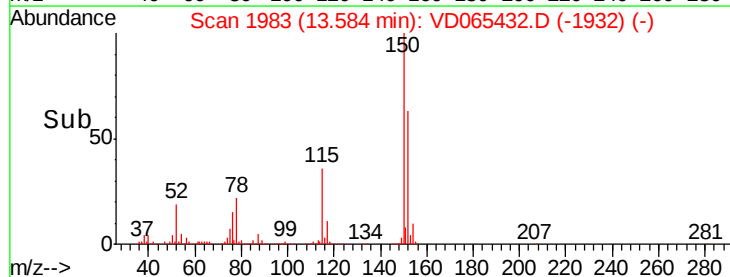
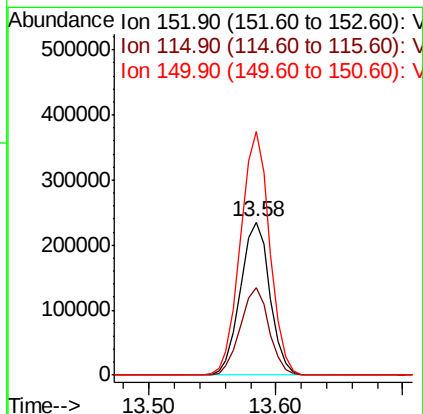
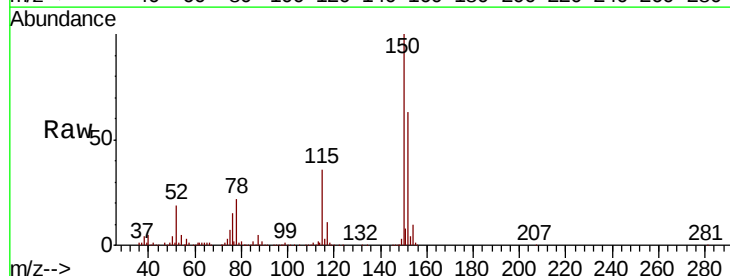
Instrument :
MSVOA_D
ClientSampleId :

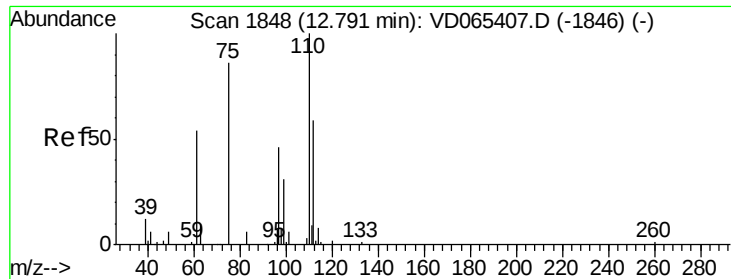
Tot Ion:117 Resp: 844812
Ion Ratio Lower Upper
117 100
82 51.0 40.6 60.8
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065432.D
Acq: 05 Mar 2020 15:40

Tgt Ion:152 Resp: 378437
Ion Ratio Lower Upper
152 100
115 55.5 27.6 82.8
150 157.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 54.682 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

Instrument :

MSVOA_D

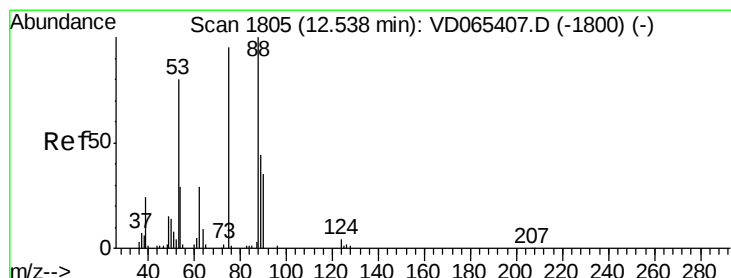
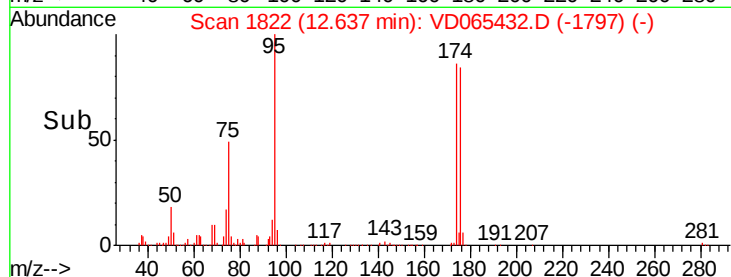
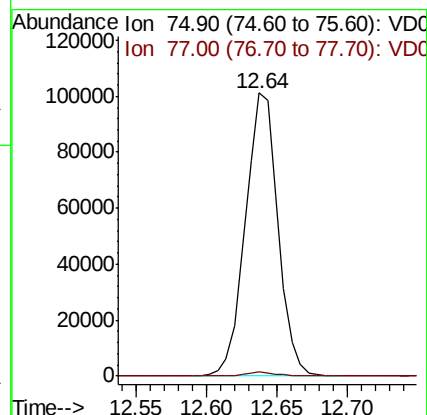
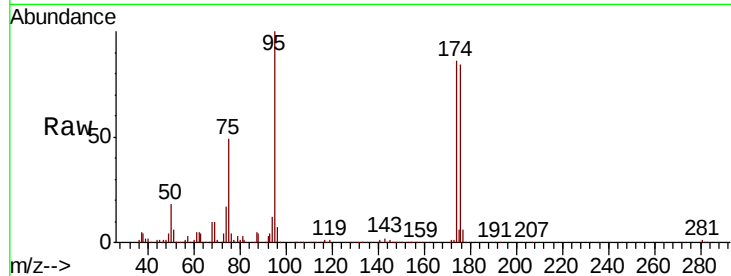
ClientSampleId :

Tot Ion: 75 Resp: 163291

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.396 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

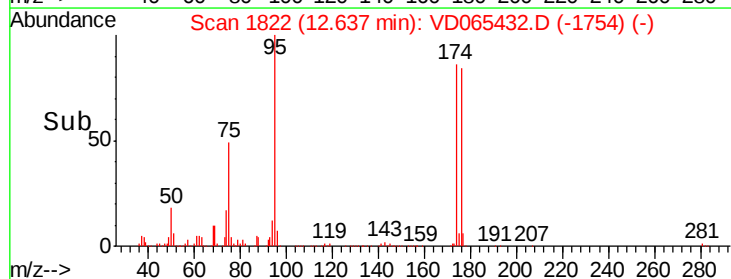
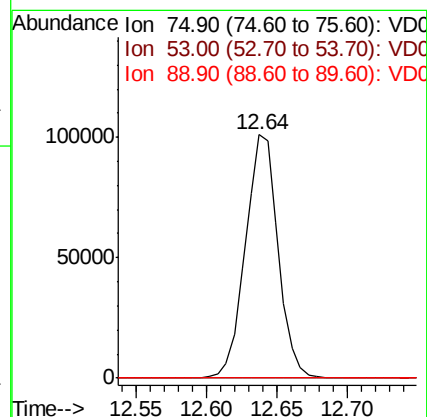
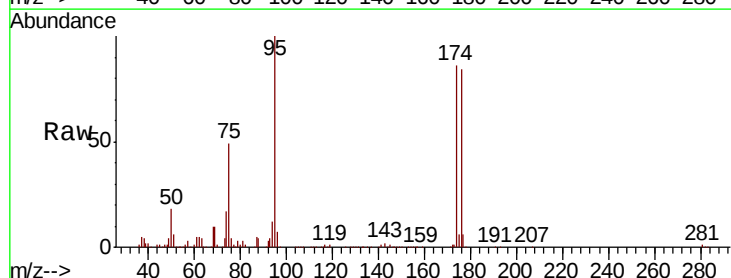
Tgt Ion: 75 Resp: 163291

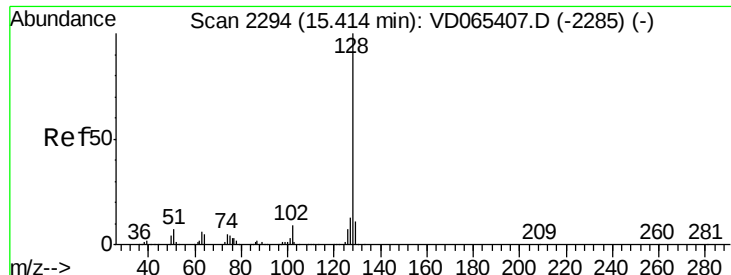
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 4.500 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065432.D

Acq: 05 Mar 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

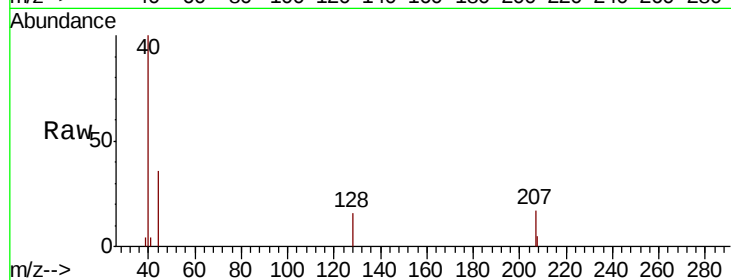
Tot Ion:128 Resp: 1239

Ion Ratio Lower Upper

128 100

127 4.5 10.6 16.0#

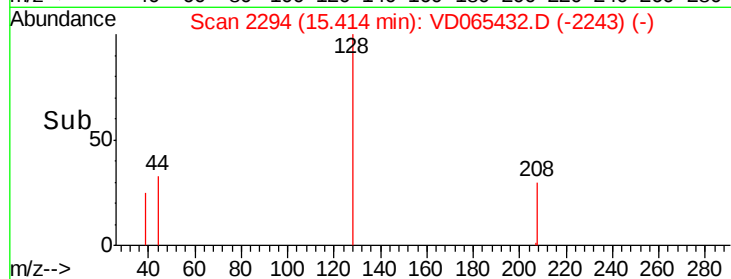
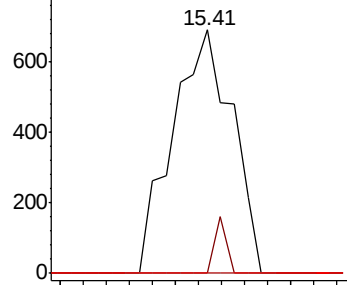
129 0.0 8.7 13.1#



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



Time--> 15.35 15.40 15.45