

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065495.D
 Acq On : 12 Mar 2020 20:41
 Operator : VA/SY
 Sample : L1761-06
 Misc : 5.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-031220

Quant Time: Mar 13 04:27:27 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	7.99	168	68036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	106691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	119035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	54179	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	53111	91.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.00%	
35) Dibromofluoromethane	7.91	113	46870	71.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.08%	
50) Toluene-d8	10.34	98	130555	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.64	95	43466	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	

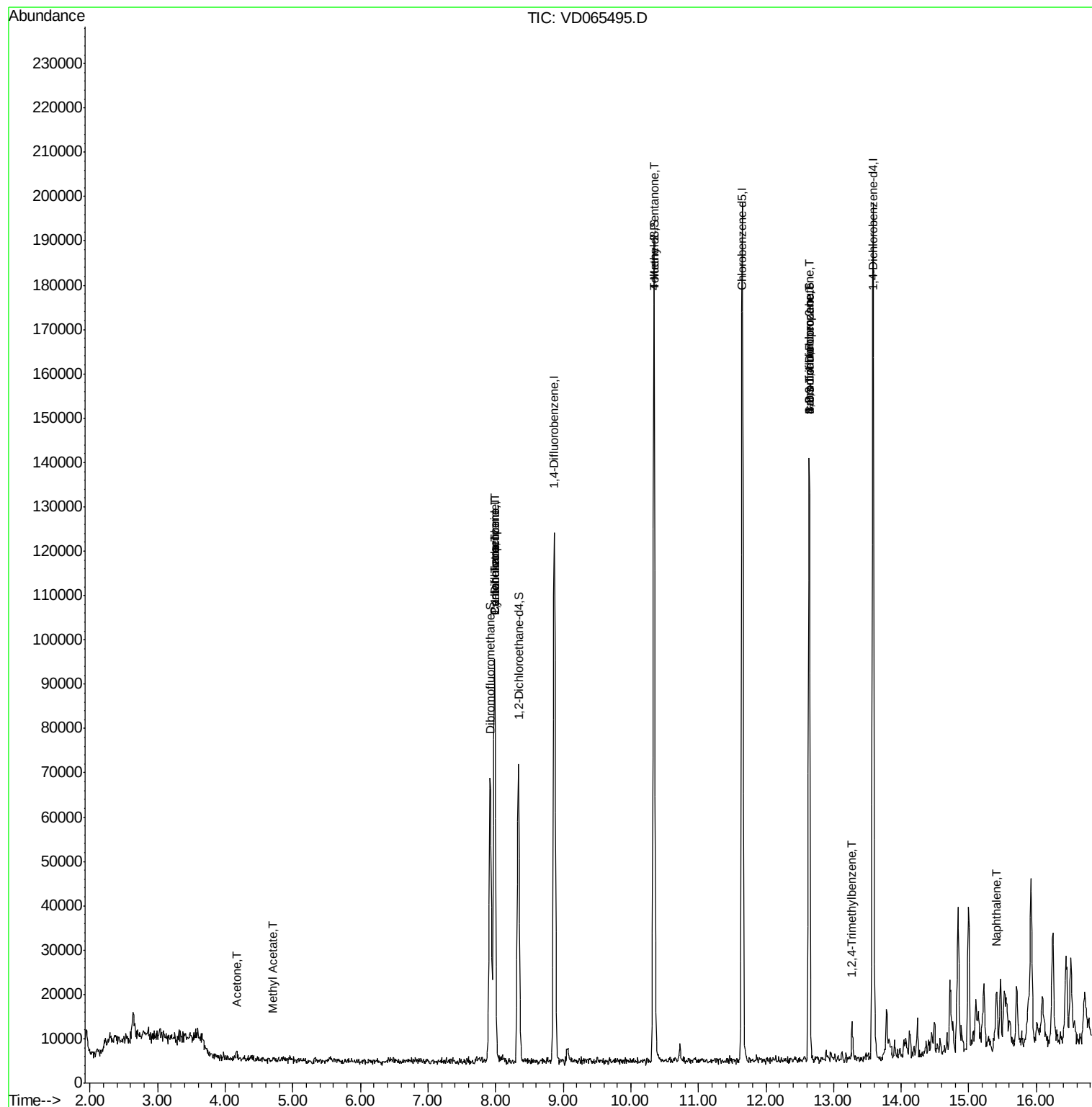
Target Compounds						Qvalue
5) Bromomethane	2.78	94	275	Below Cal	#	36
16) Acetone	4.16	43	1886	15.98	ug/l #	43
18) Methyl Acetate	4.71	43	583	1.95	ug/l #	51
20) Methylene Chloride	4.96	84	519	Below Cal	#	61
31) Cyclohexane	7.98	56	1418	1.22	ug/l #	9
36) 1,1-Dichloropropene	7.99	75	4842	4.73	ug/l #	46
38) Carbon Tetrachloride	7.98	117	6471	6.10	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	379	1.03	ug/l #	1
71) Bromoform	12.64	173	534	1.11	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	21710	50.78	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	21710	107.16	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.27	105	4231	1.47	ug/l	87
95) Naphthalene	15.41	128	9681	9.45	ug/l #	96

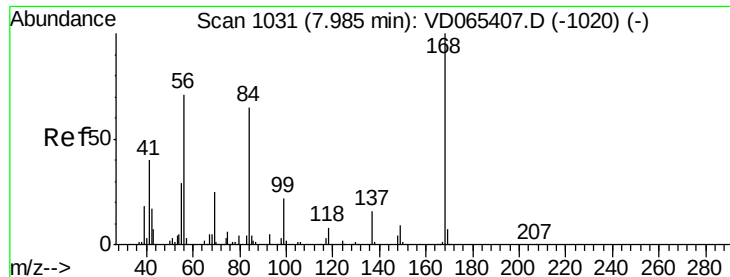
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

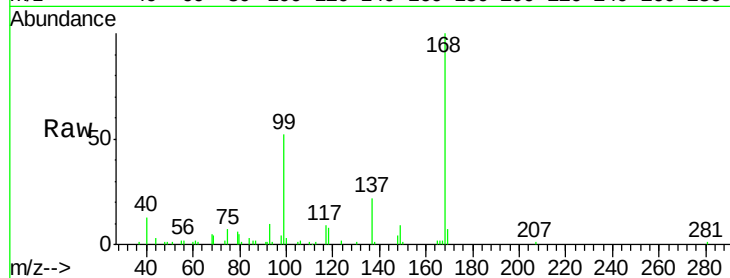
SU-01-031220

Tgt Ion:168 Resp: 68036

Ion Ratio Lower Upper

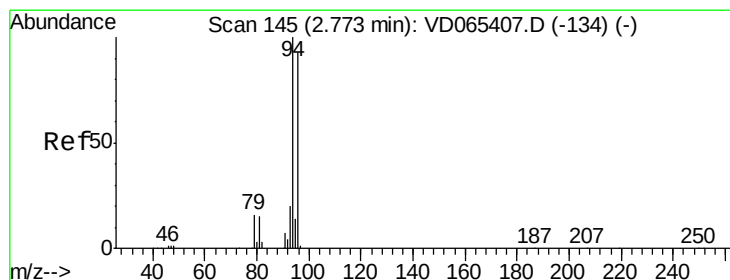
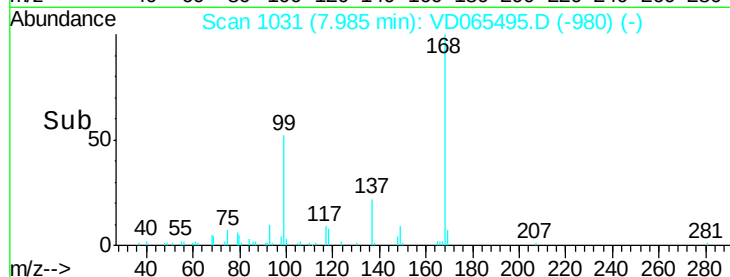
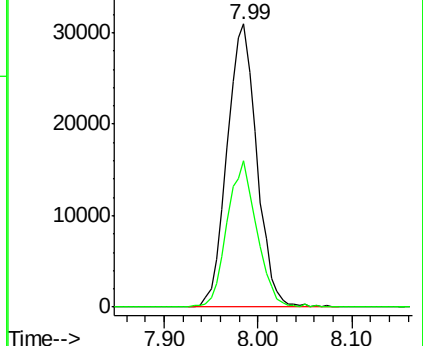
168 100

99 51.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065495.D

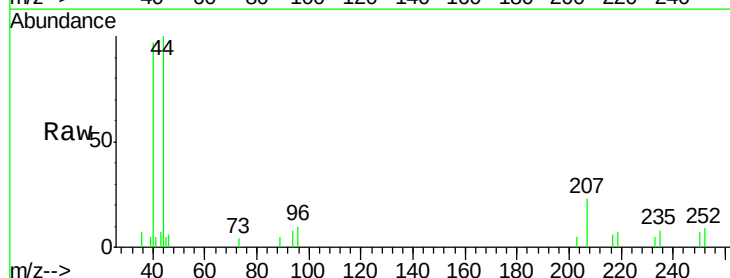
Acq: 12 Mar 2020 20:41

Tgt Ion: 94 Resp: 275

Ion Ratio Lower Upper

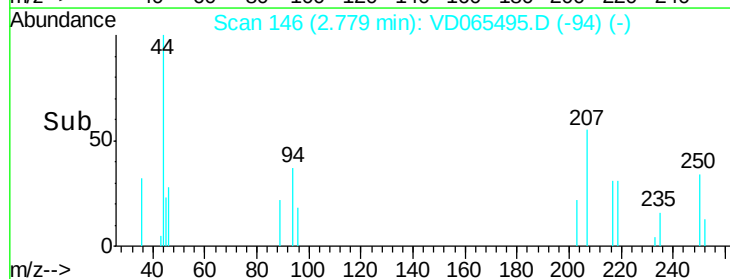
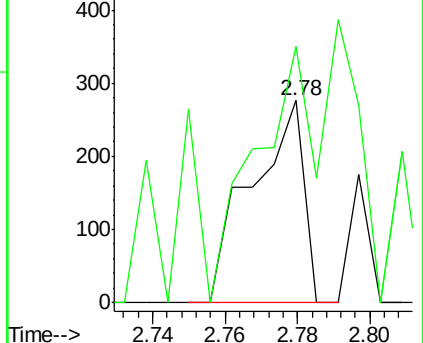
94 100

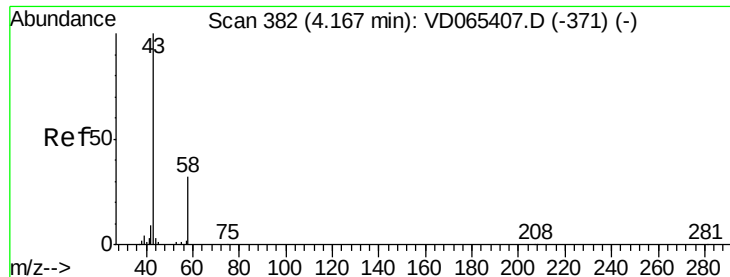
96 31.2 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 15.98 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

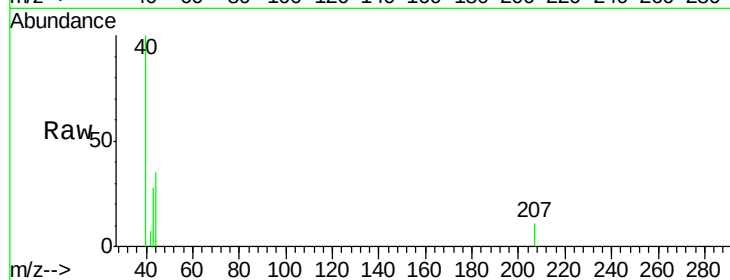
SU-01-031220

Tgt Ion: 43 Resp: 1886

Ion Ratio Lower Upper

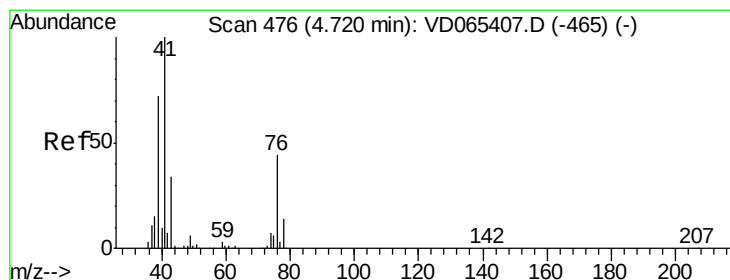
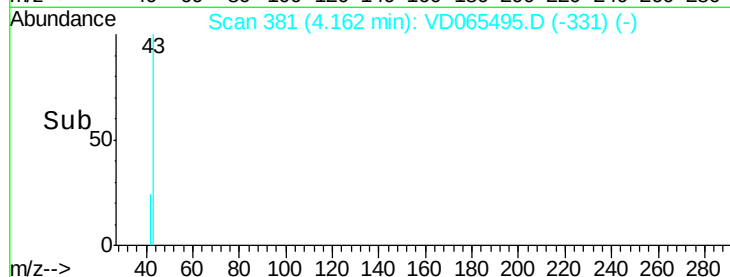
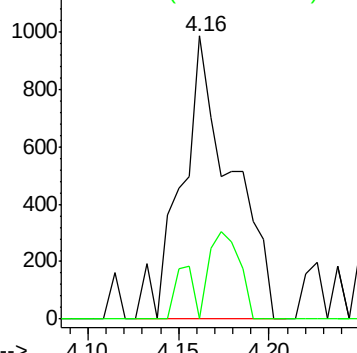
43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 1.95 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065495.D

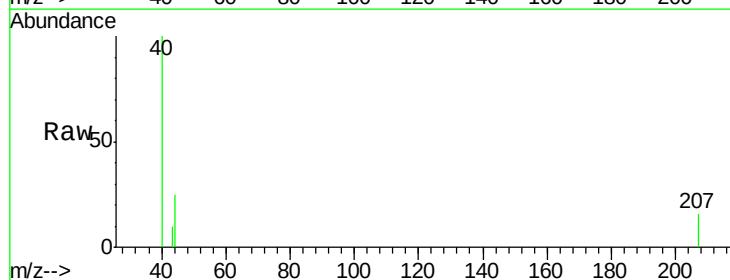
Acq: 12 Mar 2020 20:41

Tgt Ion: 43 Resp: 583

Ion Ratio Lower Upper

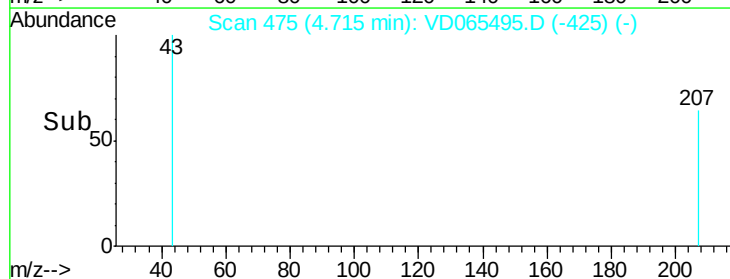
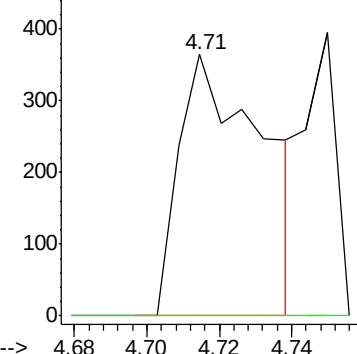
43 100

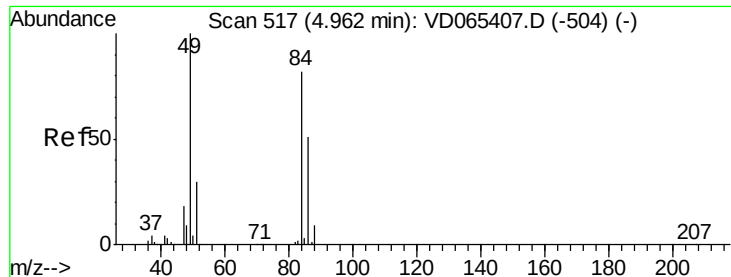
74 0.0 19.6 29.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

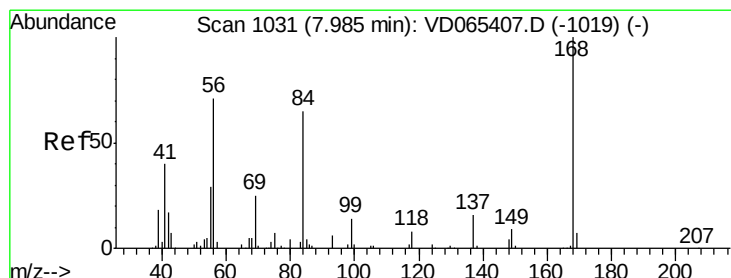
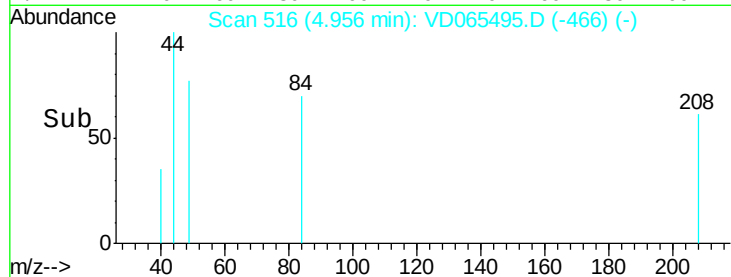
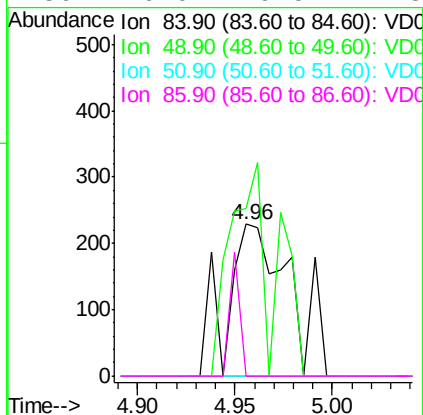
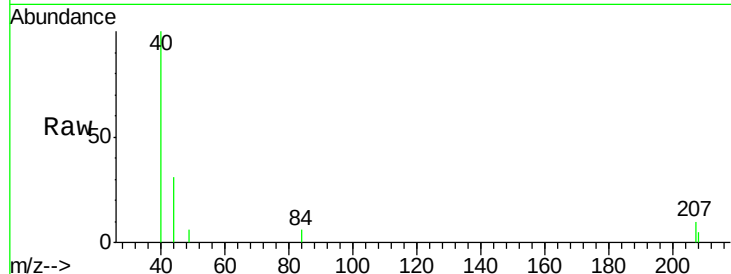




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065495.D
Acq: 12 Mar 2020 20:41

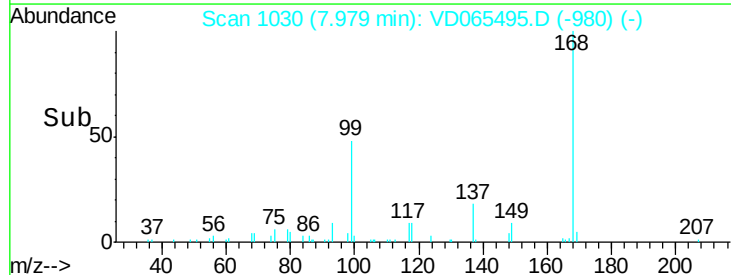
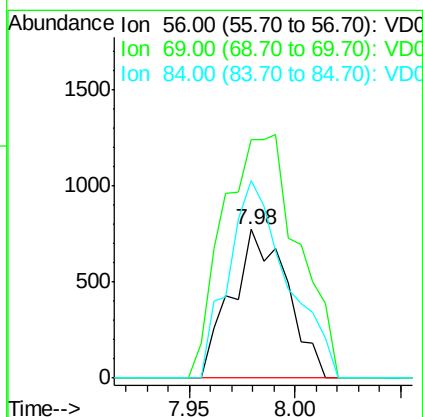
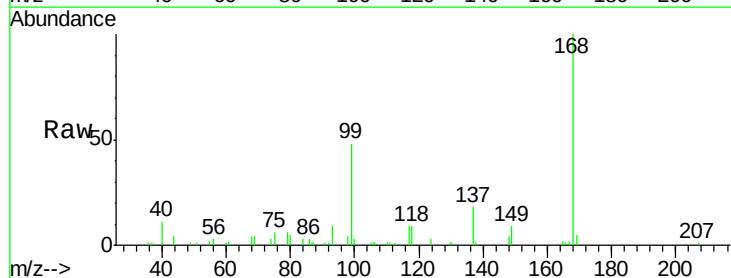
Instrument :
MSVOA_D
ClientSampleID :
SU-01-031220

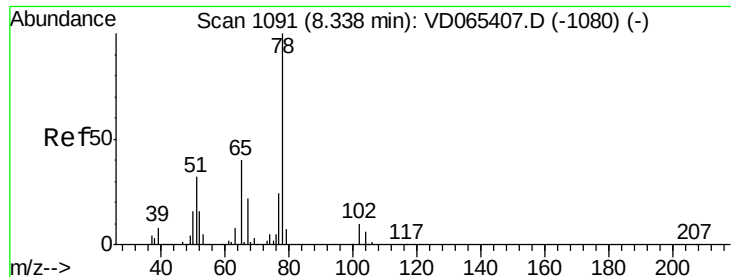
Tgt Ion: 84 Resp: 519
Ion Ratio Lower Upper
84 100
49 110.0 97.7 146.5
51 0.0 28.8 43.2#
86 0.0 49.5 74.3#



#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065495.D
Acq: 12 Mar 2020 20:41

Tgt Ion: 56 Resp: 1418
Ion Ratio Lower Upper
56 100
69 160.1 28.3 42.5#
84 132.4 73.1 109.7#

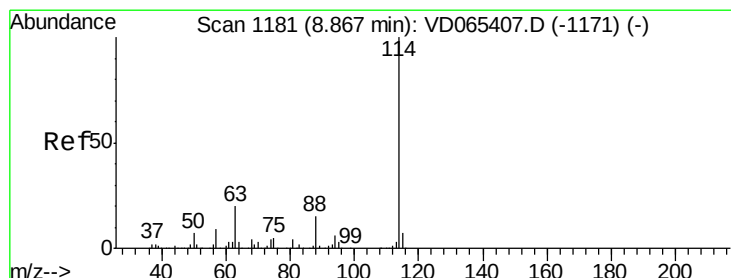
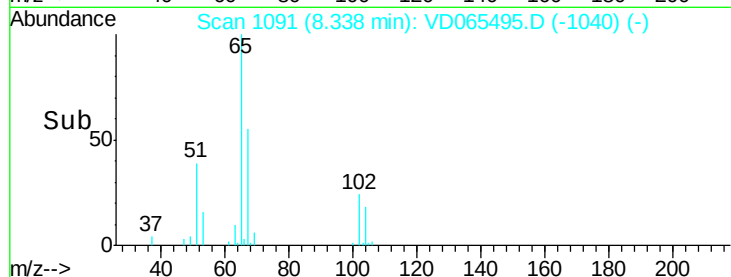
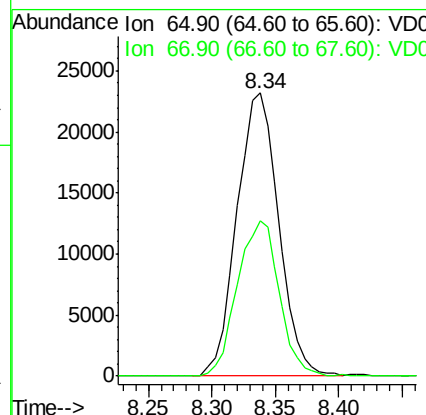
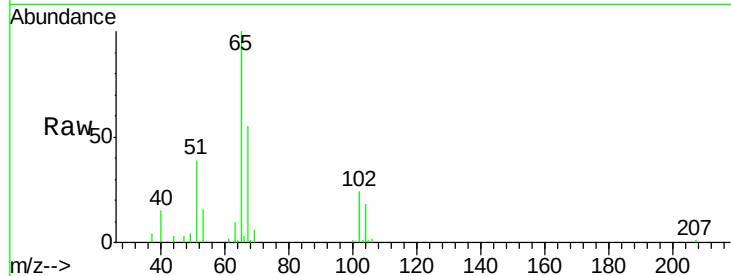




#33
 1,2-Dichloroethane-d4
 Concen: 91.00 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065495.D
 Acq: 12 Mar 2020 20:41

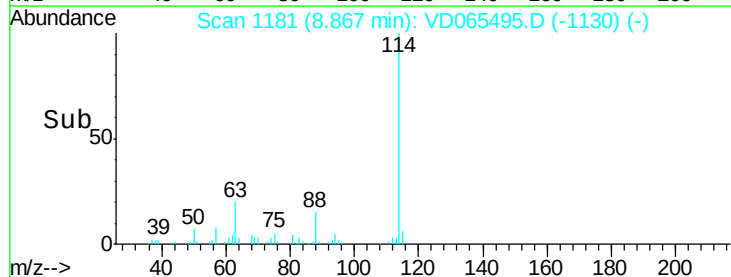
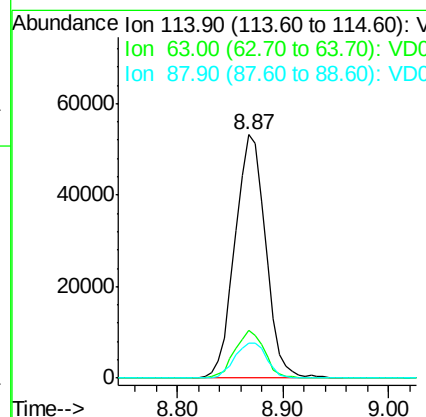
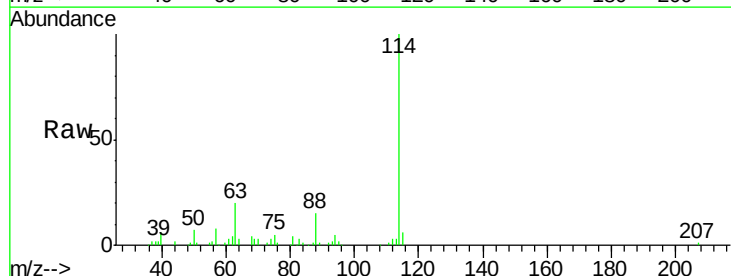
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-031220

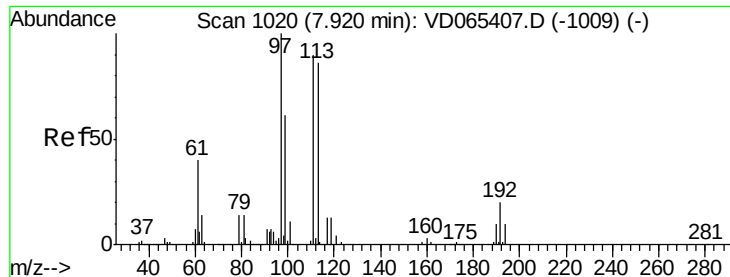
Tgt Ion: 65 Resp: 53111
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065495.D
 Acq: 12 Mar 2020 20:41

Tgt Ion: 114 Resp: 106691
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 14.5 0.0 30.4

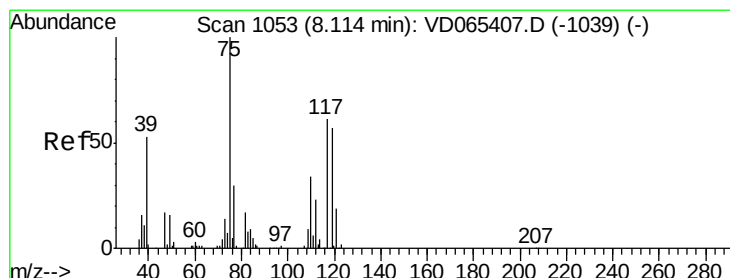
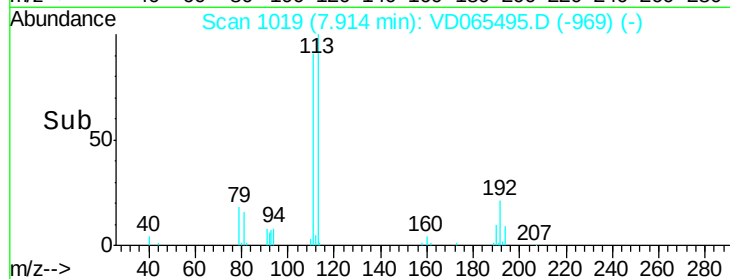
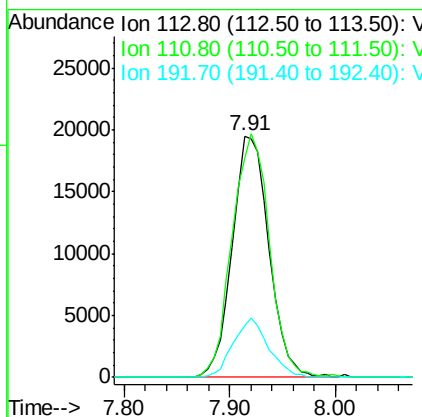
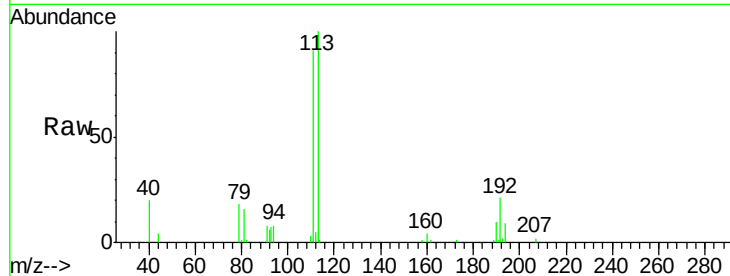




#35
 Dibromofluoromethane
 Concen: 71.04 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065495.D
 Acq: 12 Mar 2020 20:41

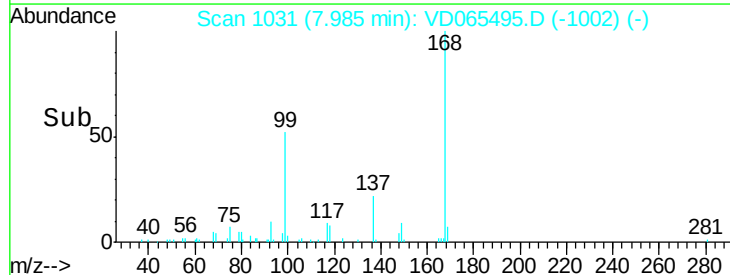
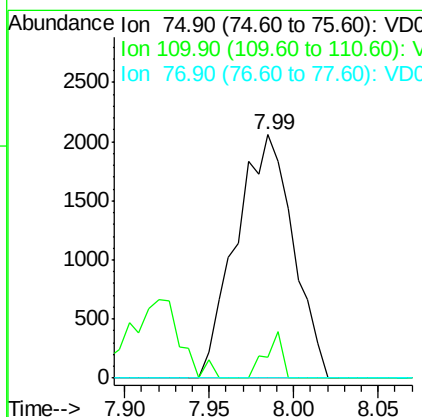
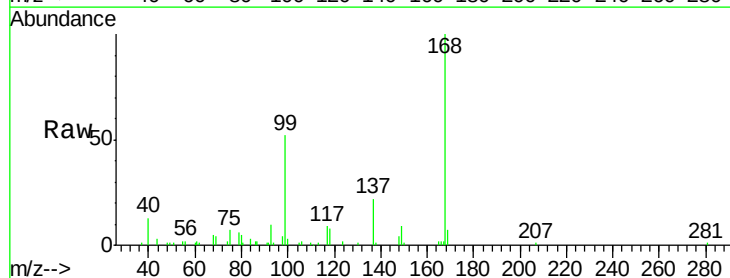
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-031220

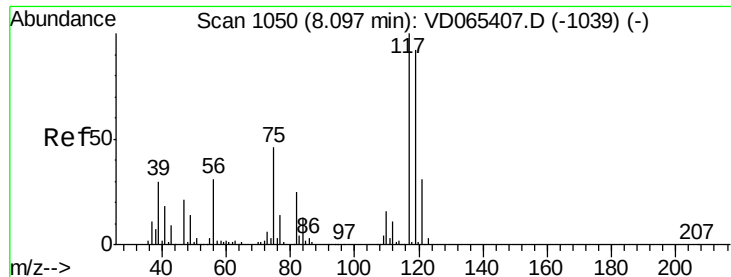
Tgt Ion:113 Resp: 46870
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.1 123.1
 192 23.6 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.73 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065495.D
 Acq: 12 Mar 2020 20:41

Tgt Ion: 75 Resp: 4842
 Ion Ratio Lower Upper
 75 100
 110 5.5 18.1 54.1#
 77 0.0 25.2 37.8#

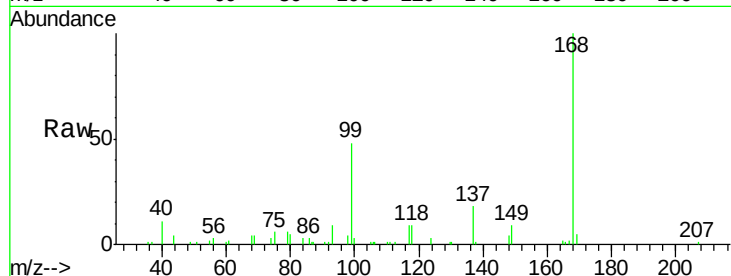




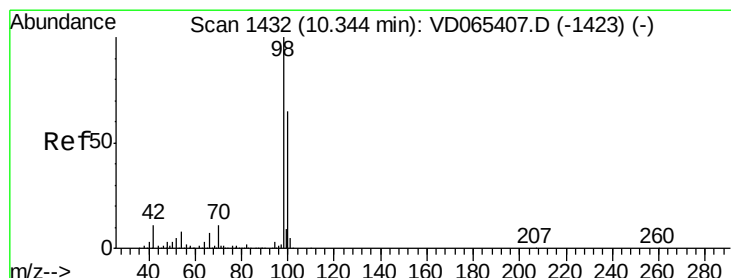
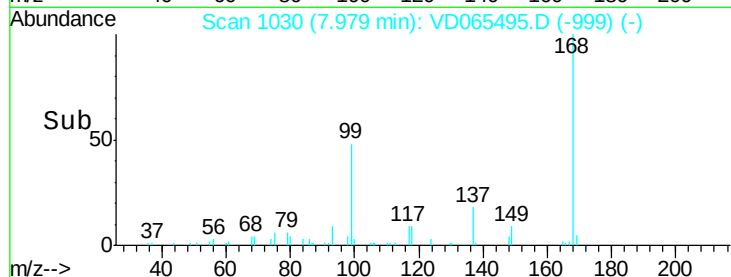
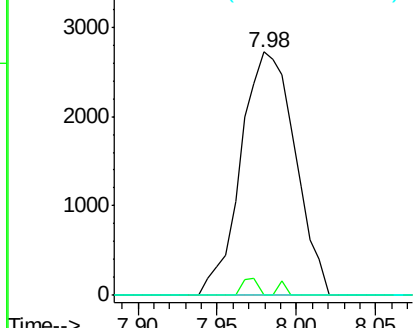
#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065495.D
Acq: 12 Mar 2020 20:41

Instrument :
MSVOA_D
ClientSampleId :
SU-01-031220

Tgt Ion: 117 Resp: 6471
Ion Ratio Lower Upper
117 100
119 0.0 73.3 109.9#
121 0.0 25.0 37.4#

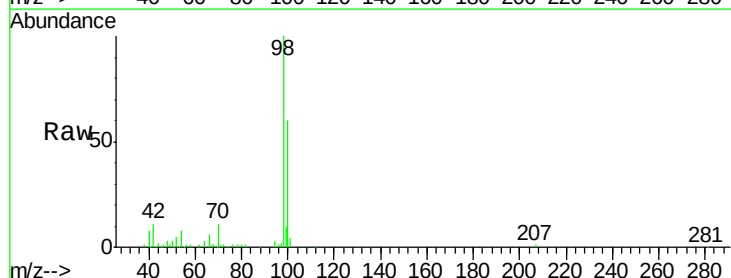


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

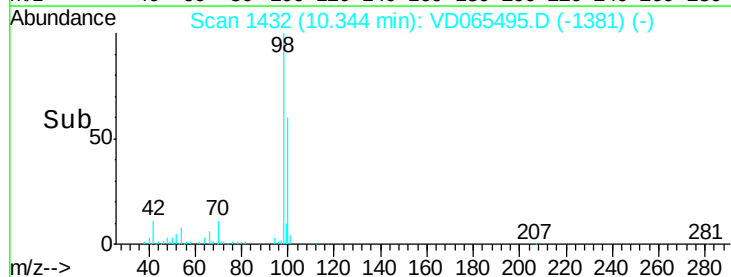
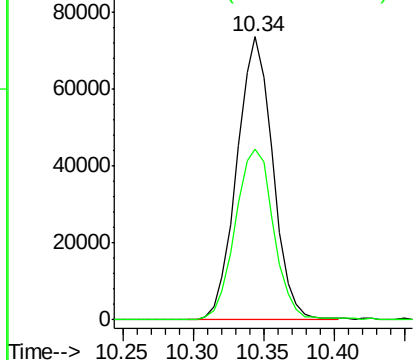


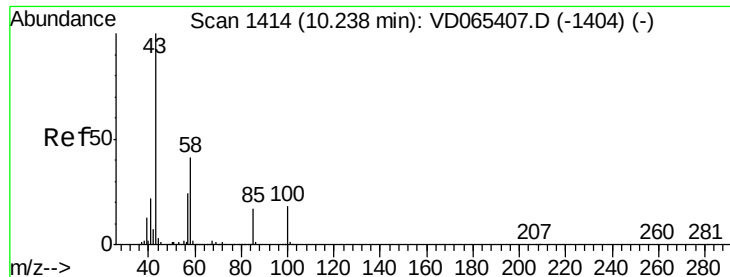
#50
Toluene-d8
Concen: 51.58 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065495.D
Acq: 12 Mar 2020 20:41

Tgt Ion: 98 Resp: 130555
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.03 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.10 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

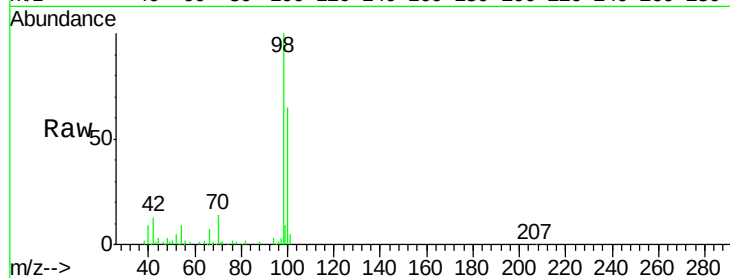
SU-01-031220

Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

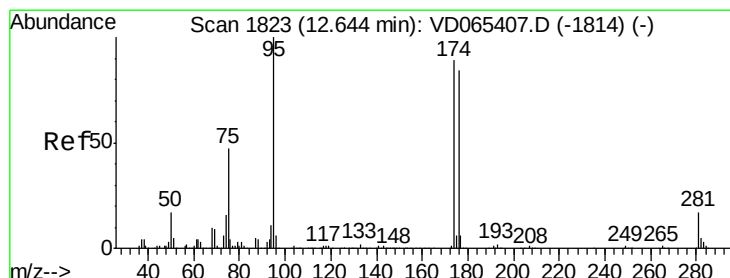
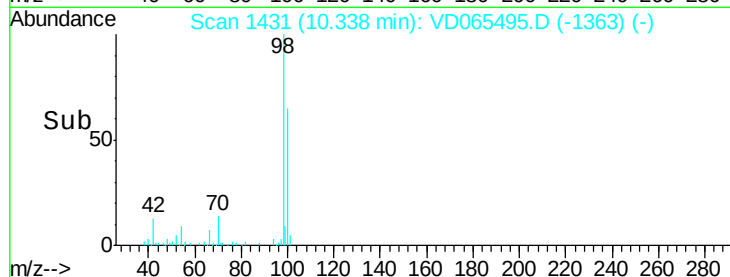
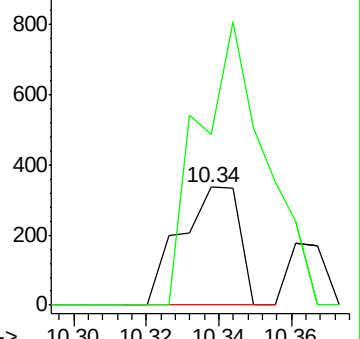
43 100

58 272.8 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: 55.63 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

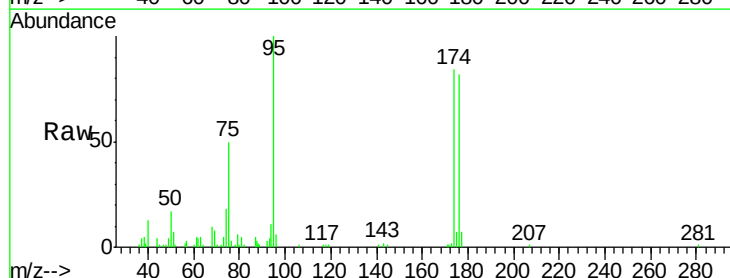
Tgt Ion: 95 Resp: 43466

Ion Ratio Lower Upper

95 100

174 94.2 0.0 176.8

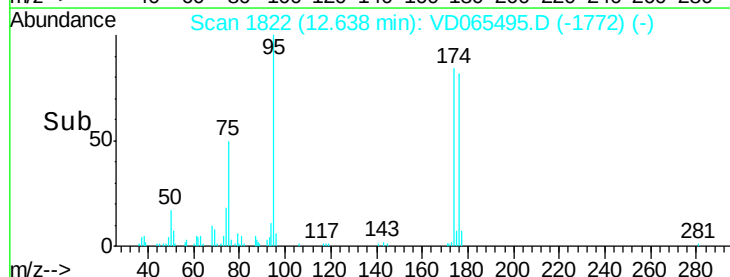
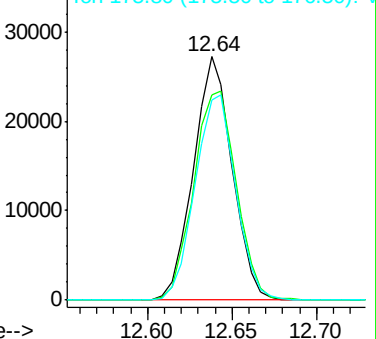
176 88.5 0.0 171.4

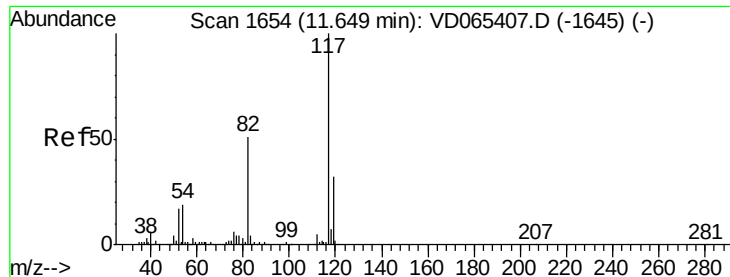


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

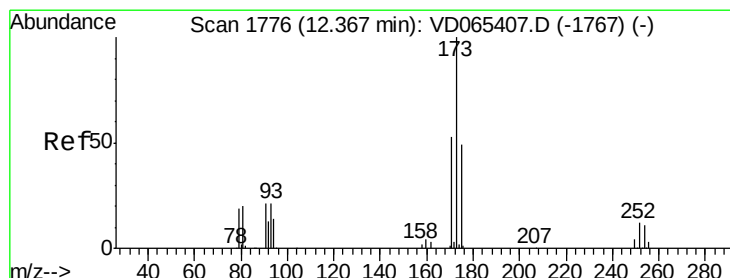
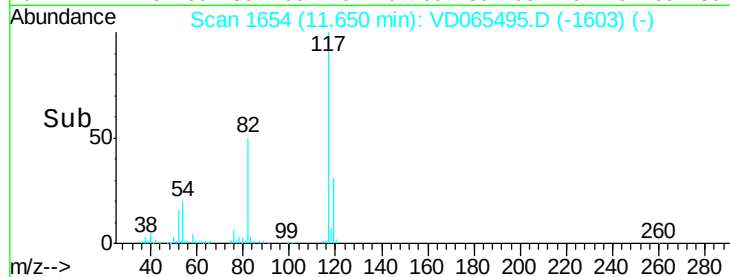
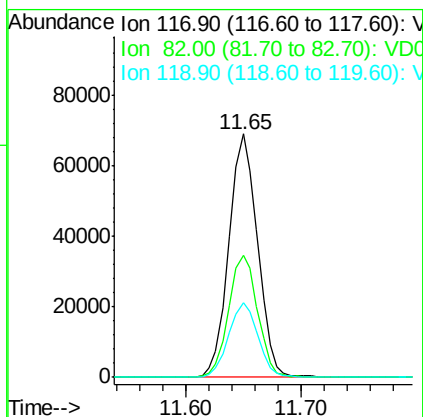
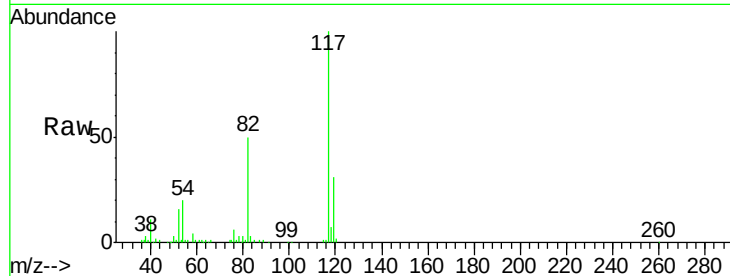




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065495.D
Acq: 12 Mar 2020 20:41

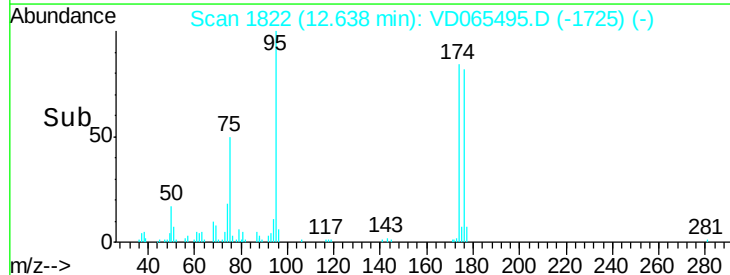
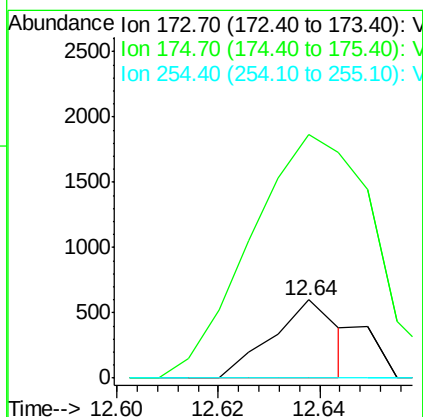
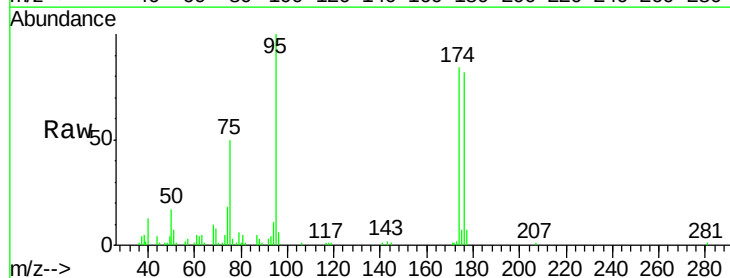
Instrument :
MSVOA_D
ClientSampleId :
SU-01-031220

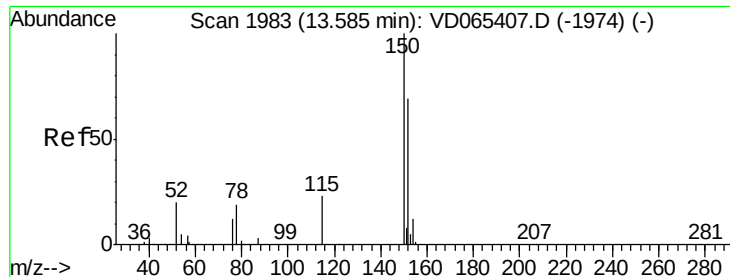
Tgt Ion:117 Resp: 119035
Ion Ratio Lower Upper
117 100
82 50.2 40.6 60.8
119 30.5 25.4 38.2



#71
Bromoform
Concen: 1.11 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065495.D
Acq: 12 Mar 2020 20:41

Tgt Ion:173 Resp: 534
Ion Ratio Lower Upper
173 100
175 452.6 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

SU-01-031220

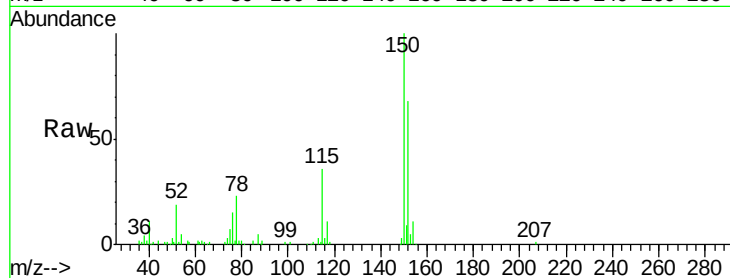
Tgt Ion:152 Resp: 54179

Ion Ratio Lower Upper

152 100

115 57.1 27.6 82.8

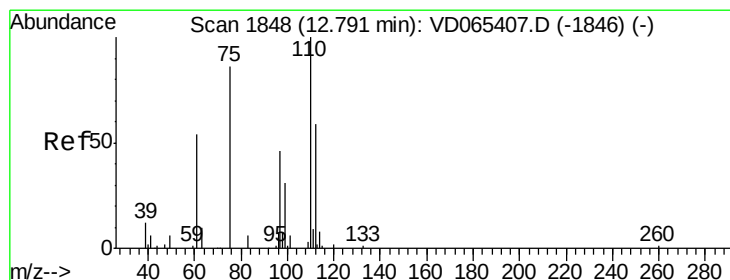
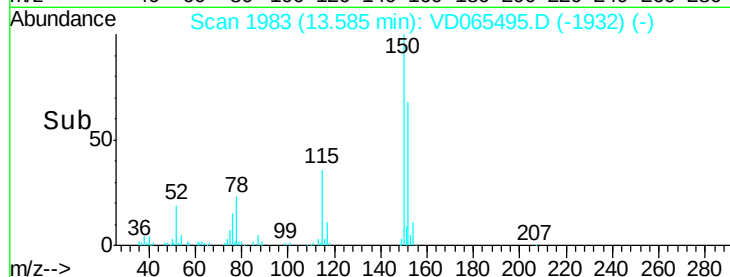
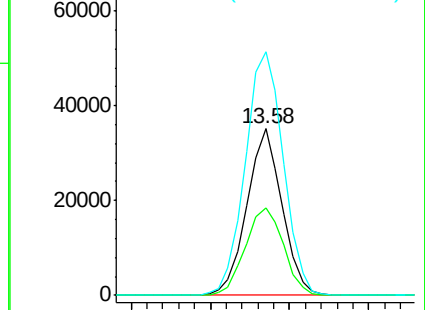
150 158.1 0.0 345.0



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



#76

1,2,3-Trichloropropane

Concen: 50.78 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065495.D

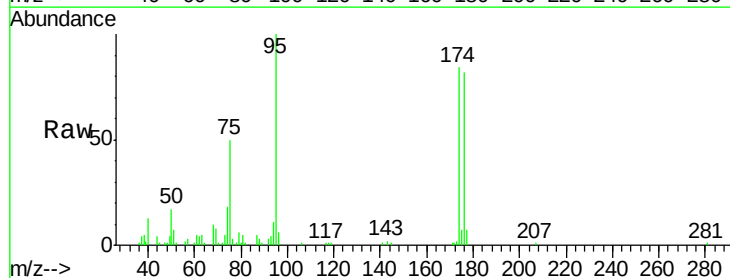
Acq: 12 Mar 2020 20:41

Tgt Ion: 75 Resp: 21710

Ion Ratio Lower Upper

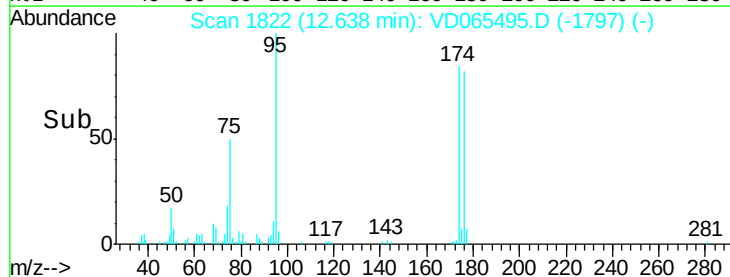
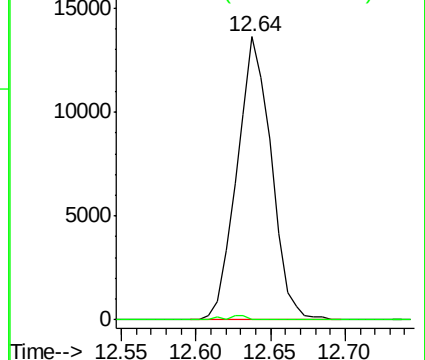
75 100

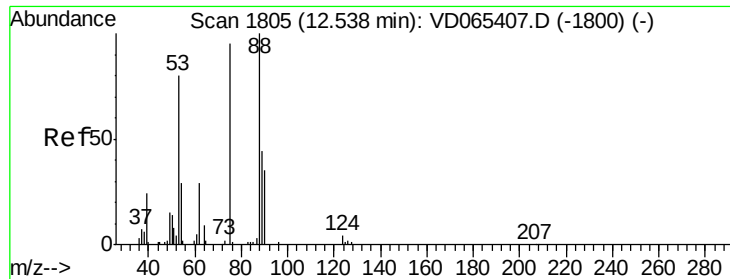
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 107.16 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

SU-01-031220

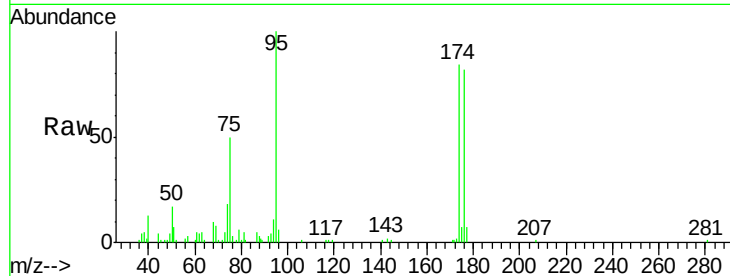
Tgt Ion: 75 Resp: 21710

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

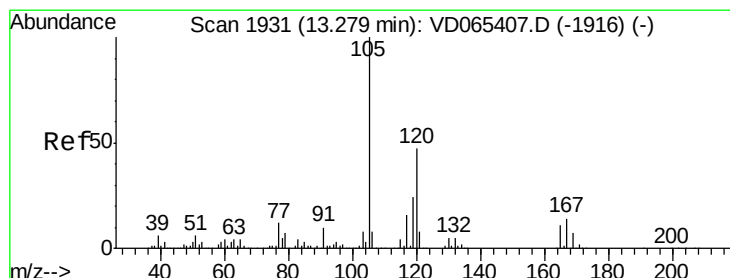
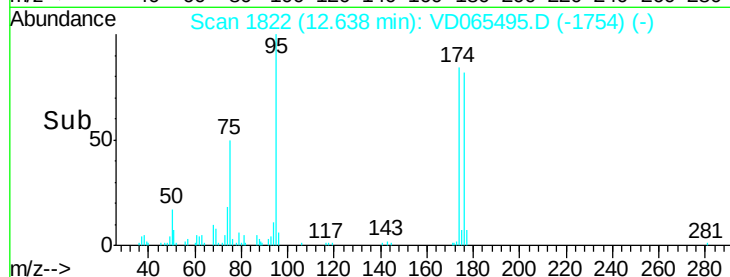
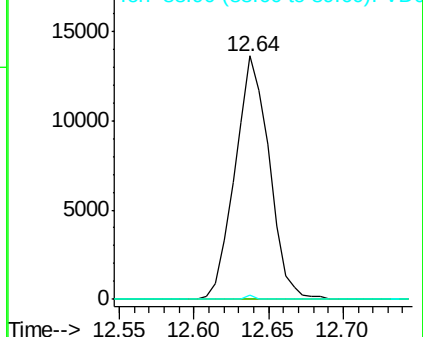
89 0.4 37.0 55.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.47 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD065495.D

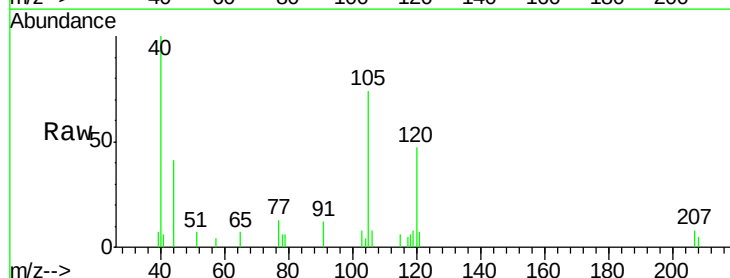
Acq: 12 Mar 2020 20:41

Tgt Ion: 105 Resp: 4231

Ion Ratio Lower Upper

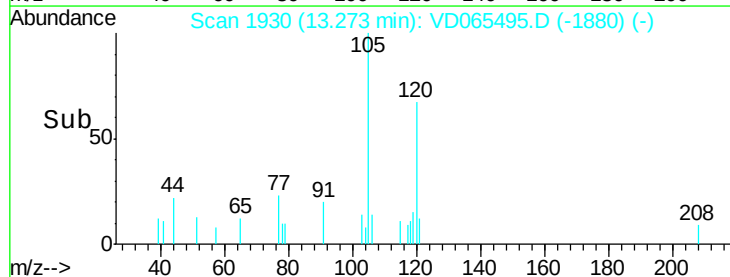
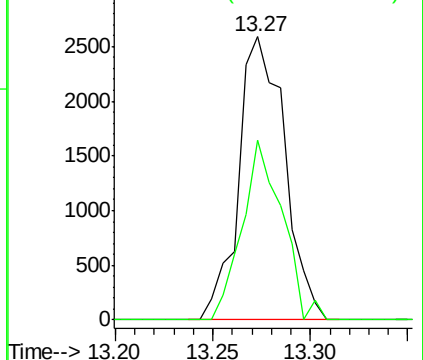
105 100

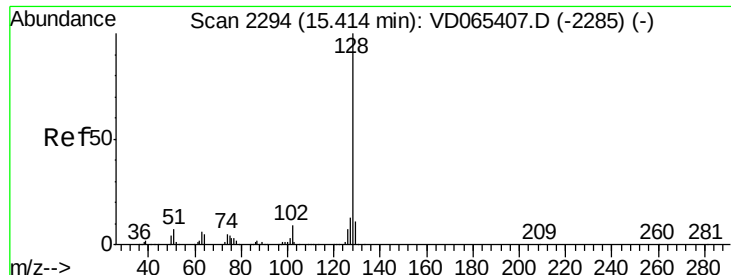
120 55.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 9.45 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065495.D

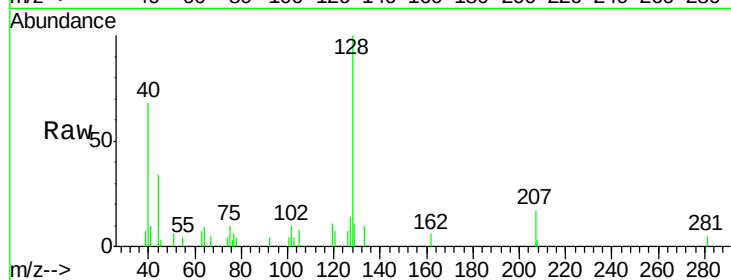
Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

SU-01-031220



Tgt Ion:128 Resp: 9681

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 13.7 8.7 13.1#

