

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066095.D
 Acq On : 29 Jul 2020 17:54
 Operator : VA/SY
 Sample : L3489-11
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:32:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	199674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	326078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	367461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	199578	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	96788	59.57	ug/l	0.00
Spiked Amount			Recovery	=	119.14%	
35) Dibromofluoromethane	7.91	113	104493	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	10.34	98	407775	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
62) 4-Bromofluorobenzene	12.64	95	168088	65.80	ug/l	0.00
Spiked Amount			Recovery	=	131.60%	

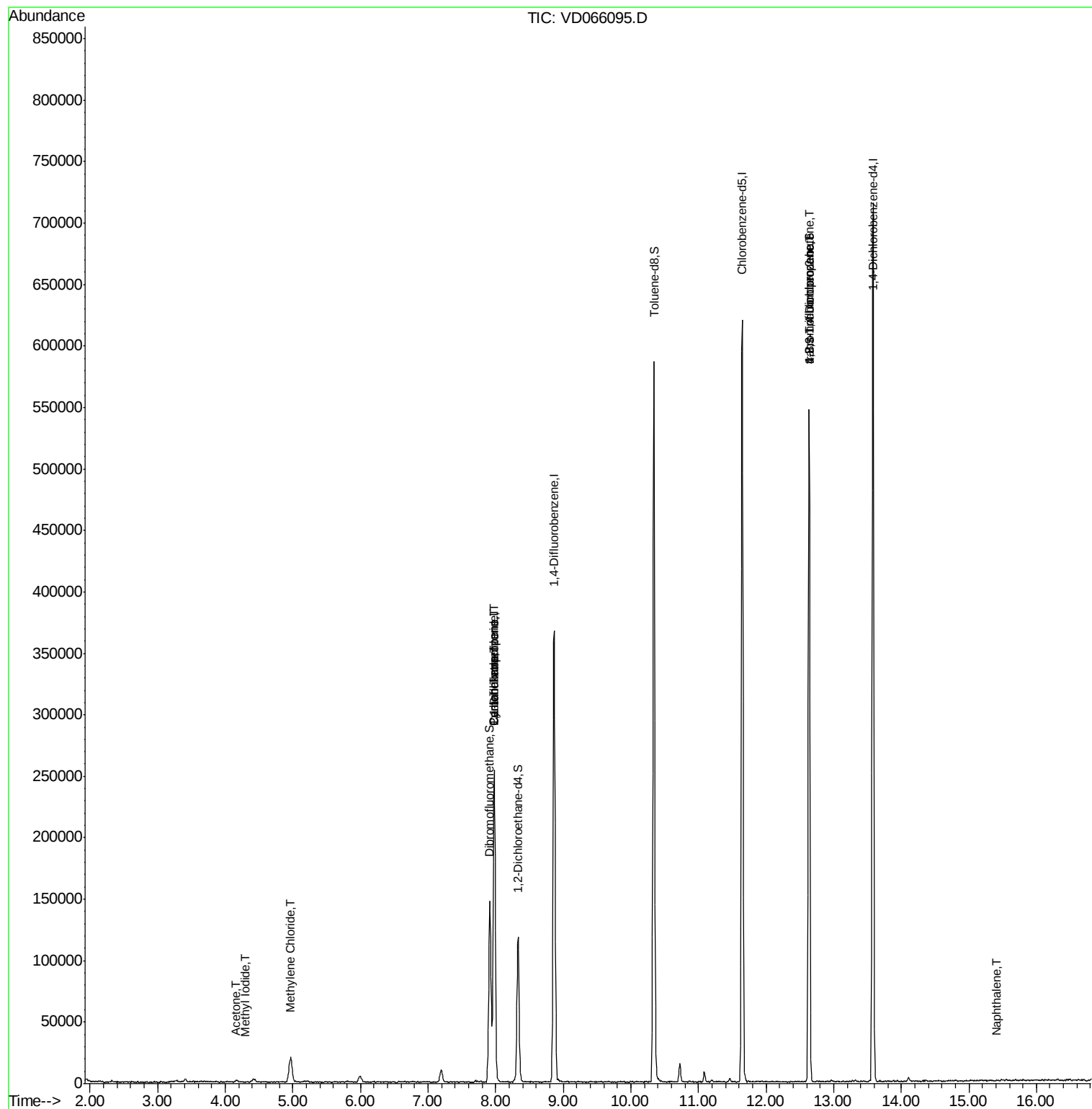
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	59	Below Cal	#	4
10) Methyl Iodide	4.29	142	70	8.845	ug/l #	42
11) Tert butyl alcohol	5.23	59	230	Below Cal	#	83
16) Acetone	4.16	43	1541	4.686	ug/l #	42
20) Methylene Chloride	4.97	84	16042	6.226	ug/l	92
31) Cyclohexane	7.97	56	4114	1.408	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	13107	4.710	ug/l #	50
38) Carbon Tetrachloride	7.98	117	18529	6.136	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	87490	58.221	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	87490	133.597	ug/l #	11
95) Naphthalene	15.41	128	255	3.585	ug/l #	68

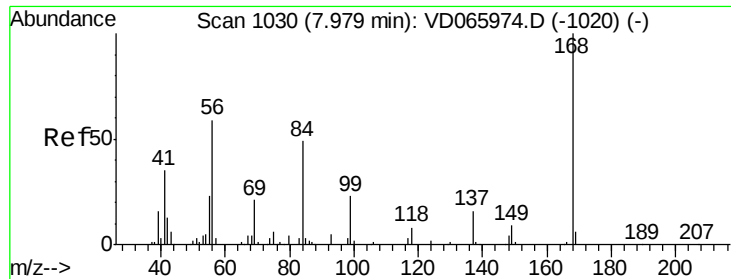
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066095.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA_D

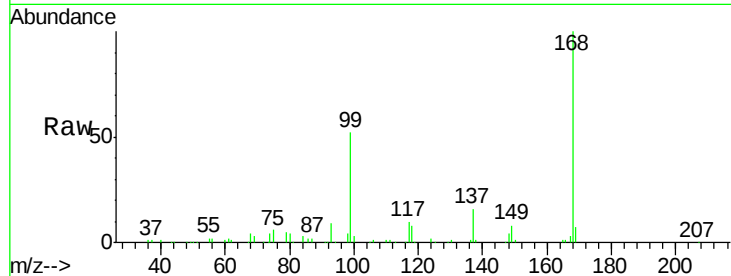
ClientSampleId :

Tot Ion:168 Resp: 199674

Ion Ratio Lower Upper

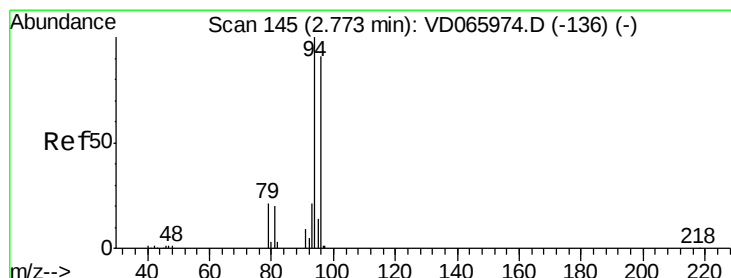
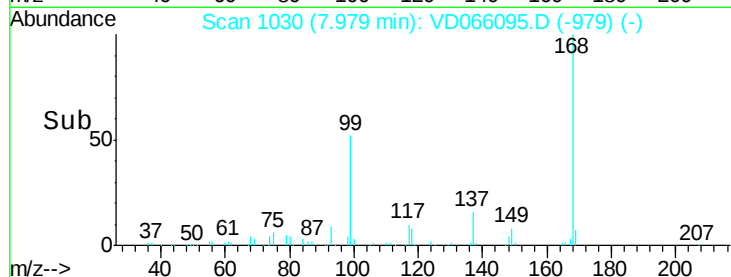
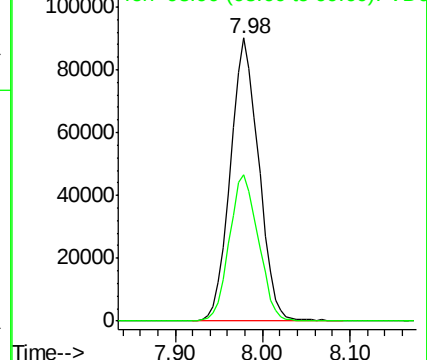
168 100

99 51.6 40.8 61.2



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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD066095.D

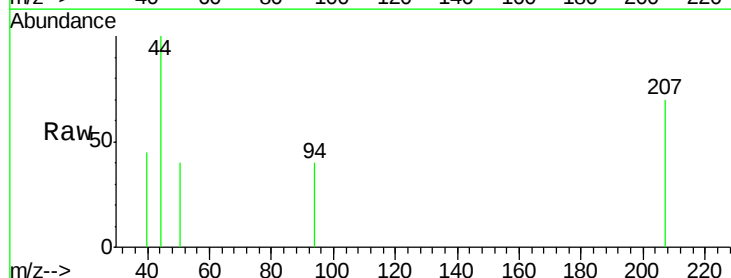
Acq: 29 Jul 2020 17:54

Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

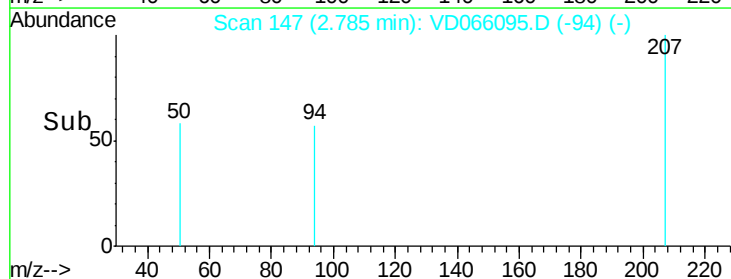
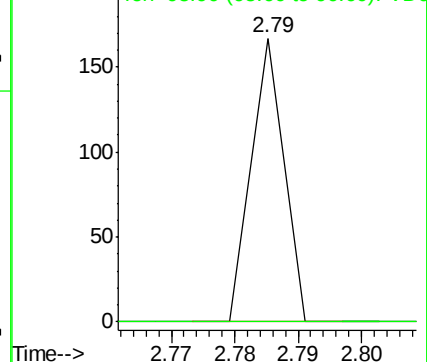
94 100

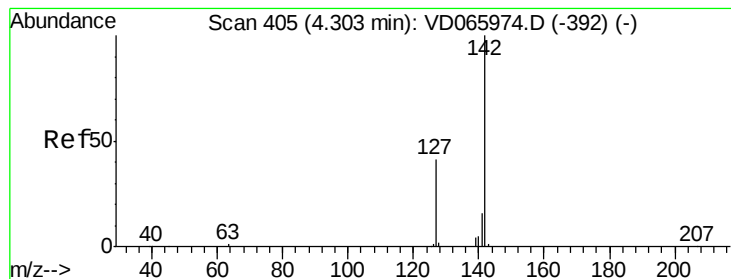
96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#10

Methyl Iodide

Concen: 8.845 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD066095.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA_D

ClientSampled :

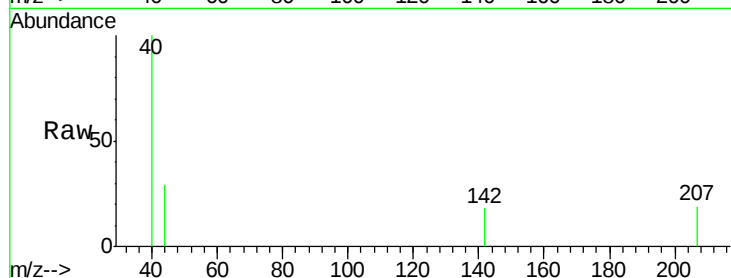
Tot Ion: 142 Resp: 70

Ion Ratio Lower Upper

142 100

127 0.0 32.9 49.3#

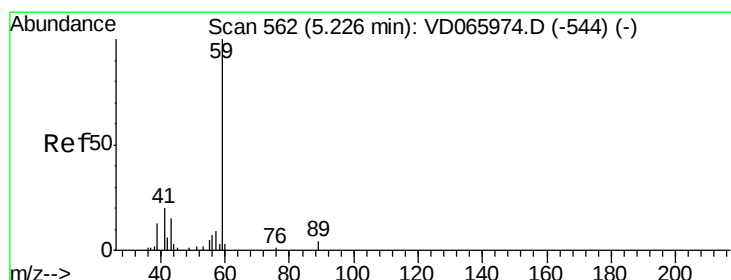
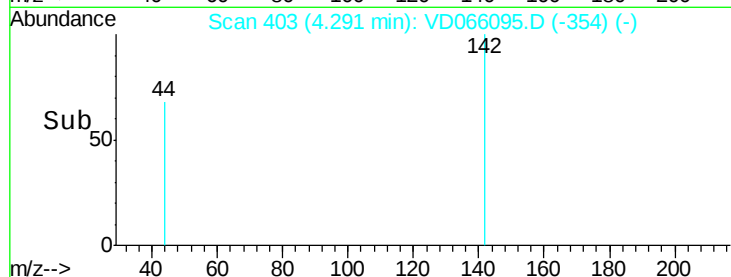
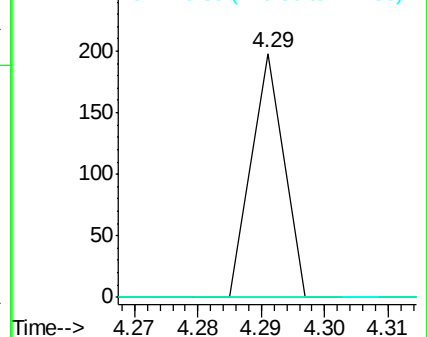
141 0.0 11.8 17.6#



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD066095.D

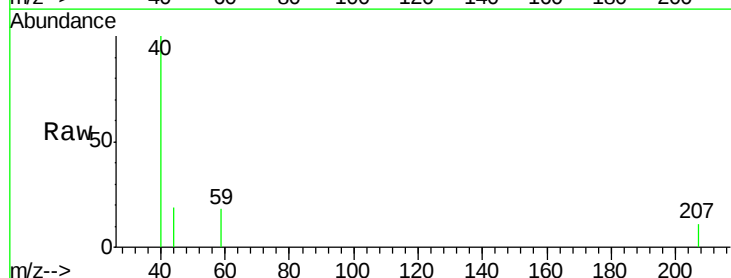
Acq: 29 Jul 2020 17:54

Tgt Ion: 59 Resp: 230

Ion Ratio Lower Upper

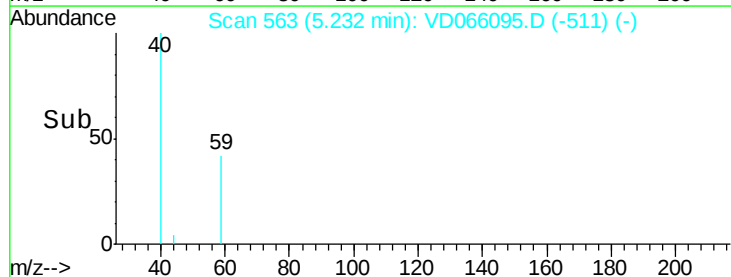
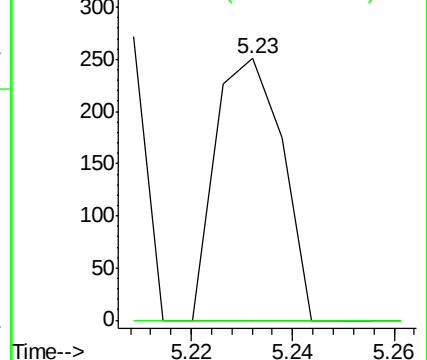
59 100

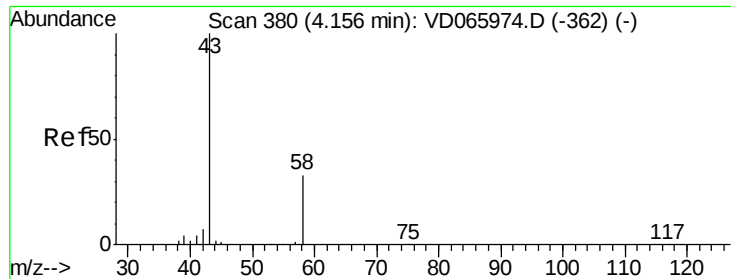
57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 4.686 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066095.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA_D

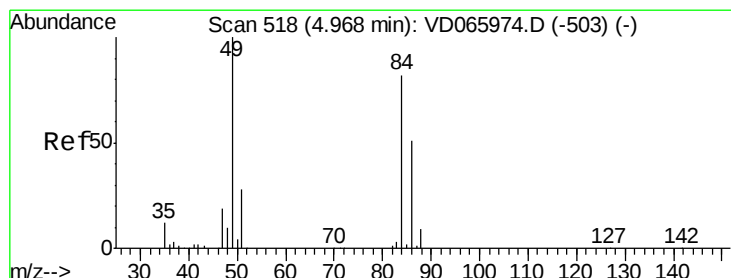
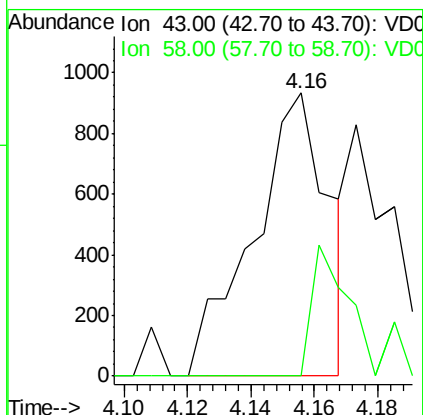
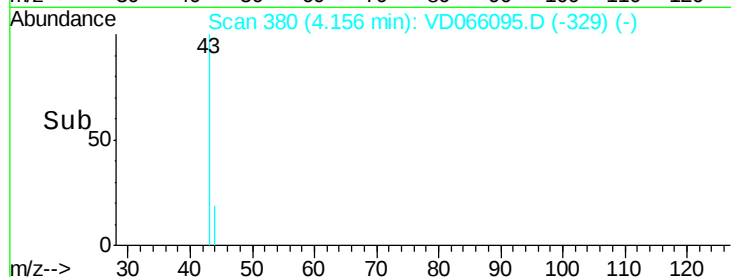
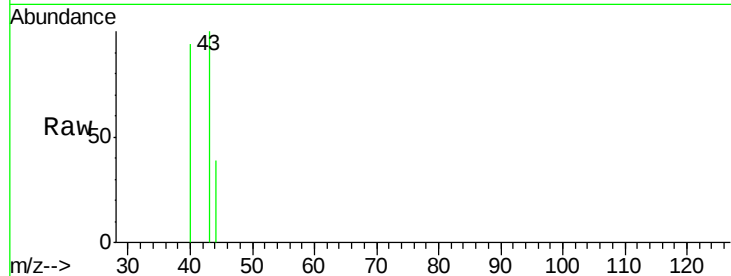
ClientSampleId :

Tot Ion: 43 Resp: 1541

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



#20

Methylene Chloride

Concen: 6.226 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066095.D

Acq: 29 Jul 2020 17:54

Tgt Ion: 84 Resp: 16042

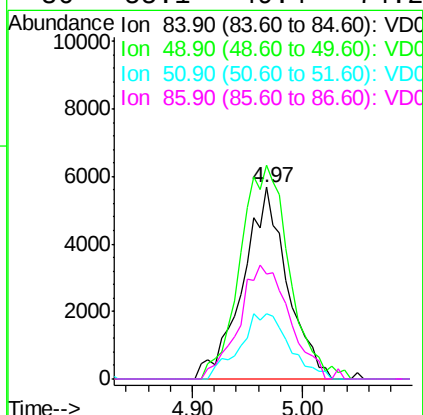
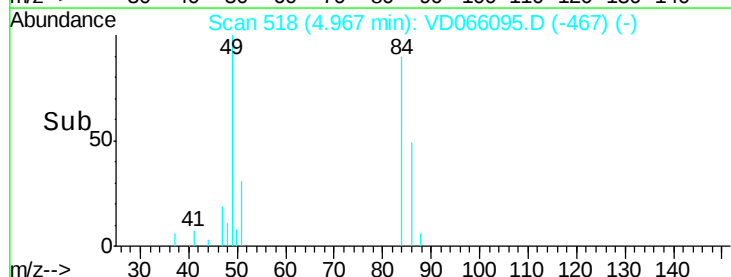
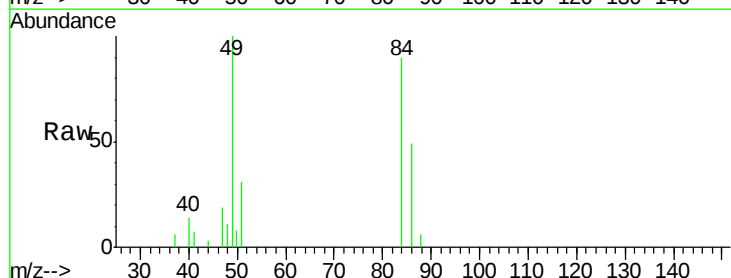
Ion Ratio Lower Upper

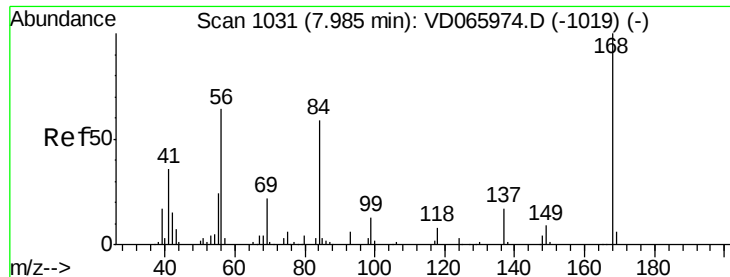
84 100

49 111.4 97.7 146.5

51 34.2 27.4 41.2

86 55.1 49.4 74.2

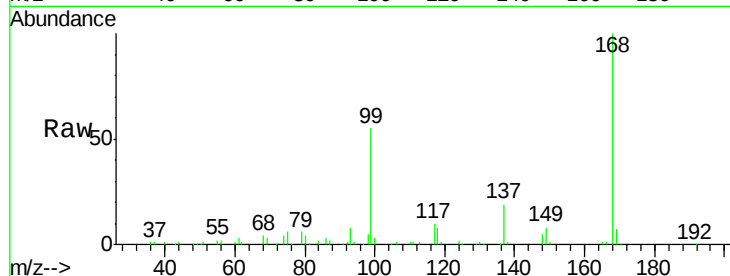




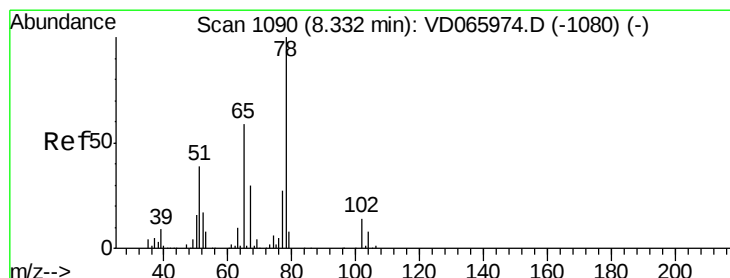
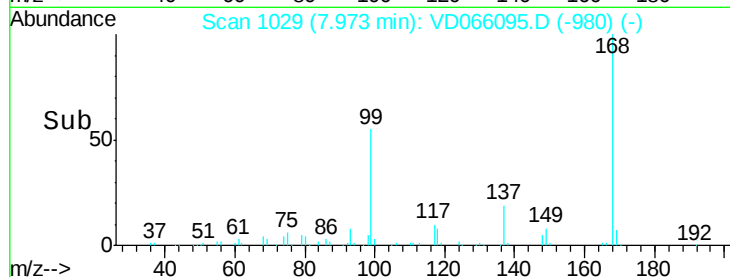
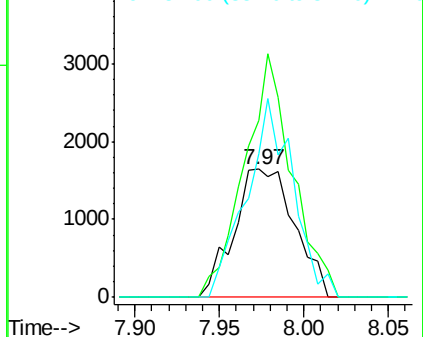
#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066095.D
Acq: 29 Jul 2020 17:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 4114
Ion Ratio Lower Upper
56 100
69 137.9 28.0 42.0#
84 112.6 72.6 109.0#

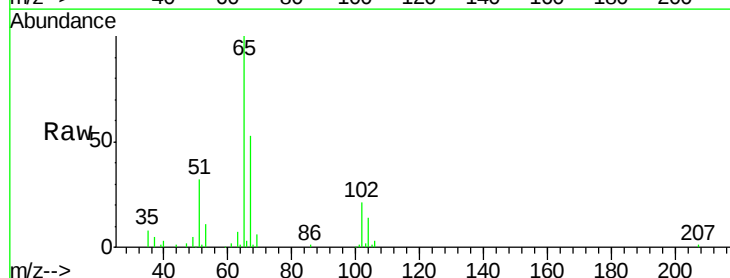


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

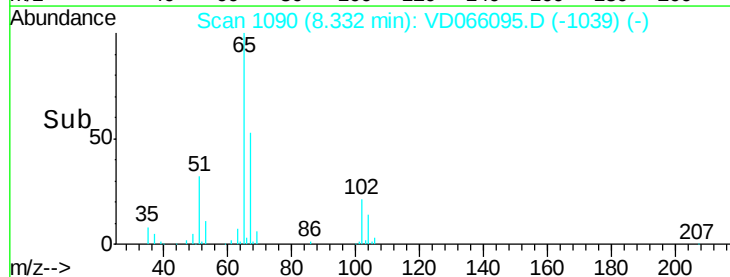
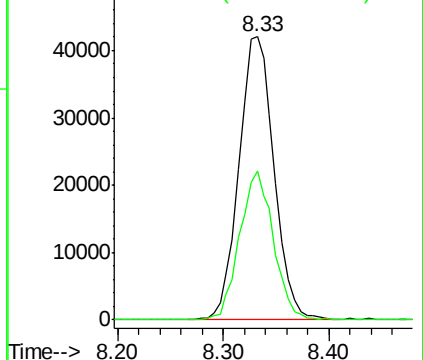


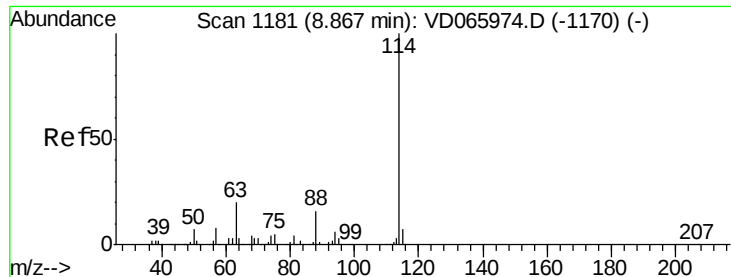
#33
1,2-Dichloroethane-d4
Concen: 59.572 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066095.D
Acq: 29 Jul 2020 17:54

Tgt Ion: 65 Resp: 96788
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

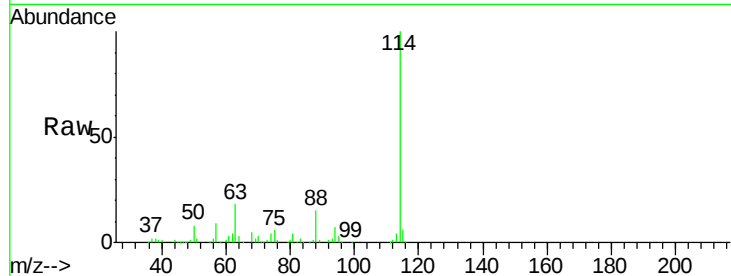




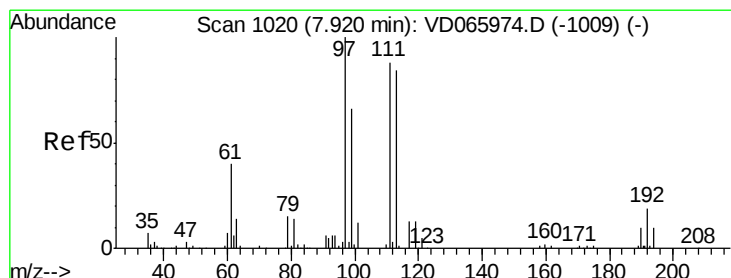
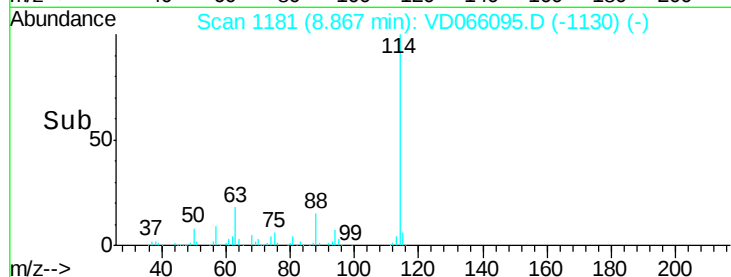
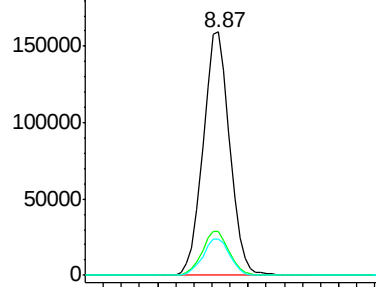
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066095.D
 Acq: 29 Jul 2020 17:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 326078
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.6
 88 15.1 0.0 31.2

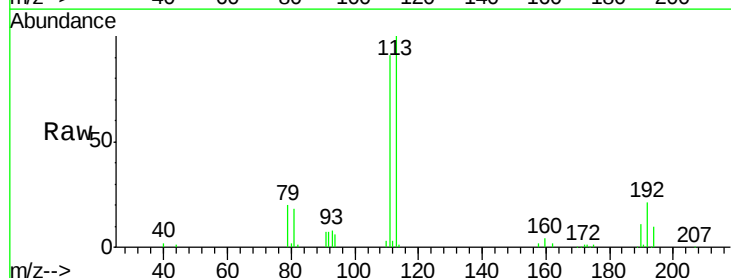


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

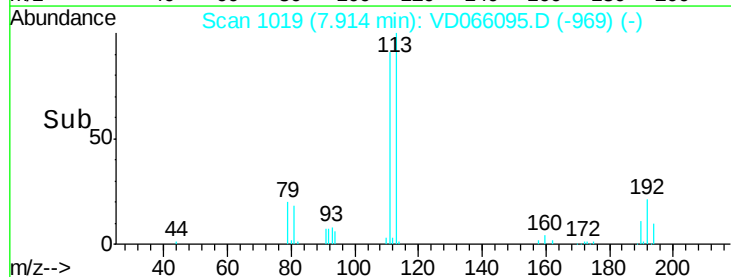
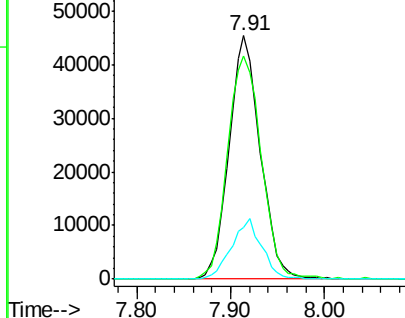


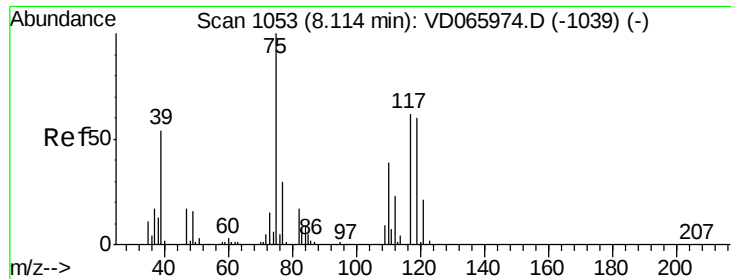
#35
 Dibromofluoromethane
 Concen: 52.834 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066095.D
 Acq: 29 Jul 2020 17:54

Tgt Ion:113 Resp: 104493
 Ion Ratio Lower Upper
 113 100
 111 99.5 83.2 124.8
 192 24.2 18.7 28.1



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

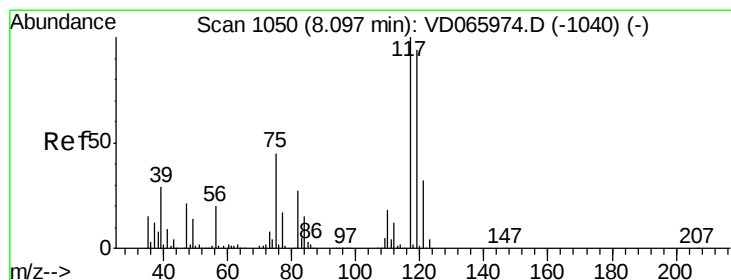
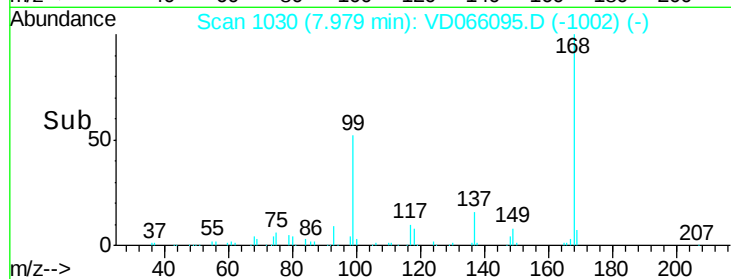
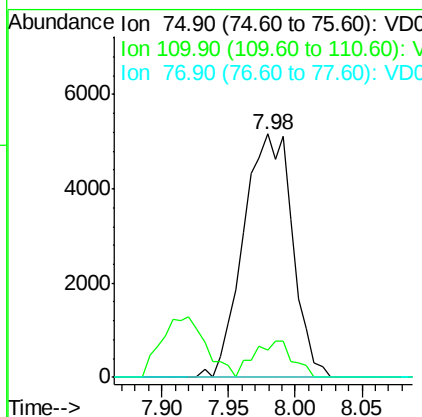
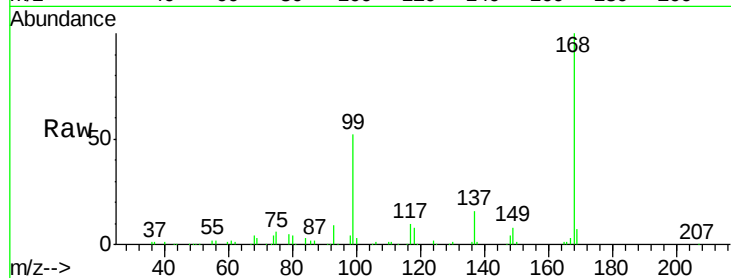




#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066095.D
 Acq: 29 Jul 2020 17:54

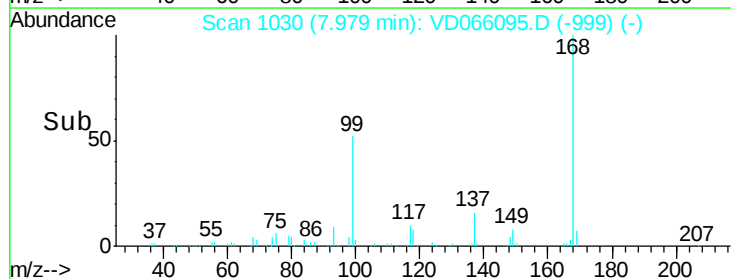
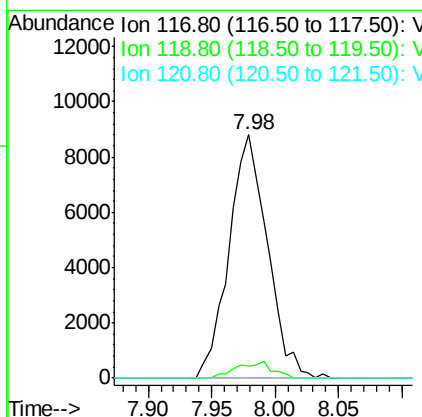
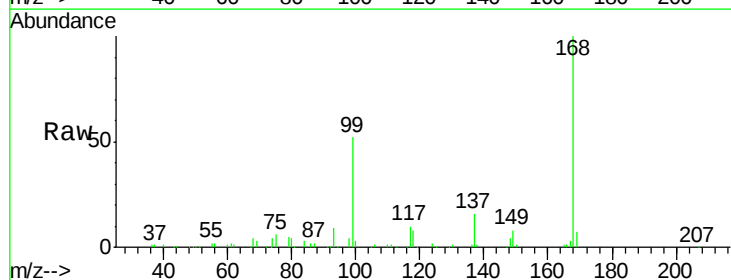
Instrument :
 MSVOA_D
 ClientSampleId :

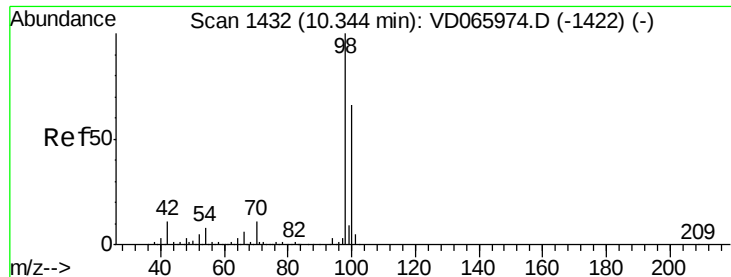
Tot Ion: 75 Resp: 13107
 Ion Ratio Lower Upper
 75 100
 110 11.8 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.136 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066095.D
 Acq: 29 Jul 2020 17:54

Tgt Ion: 117 Resp: 18529
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.0 112.6#
 121 0.0 25.5 38.3#

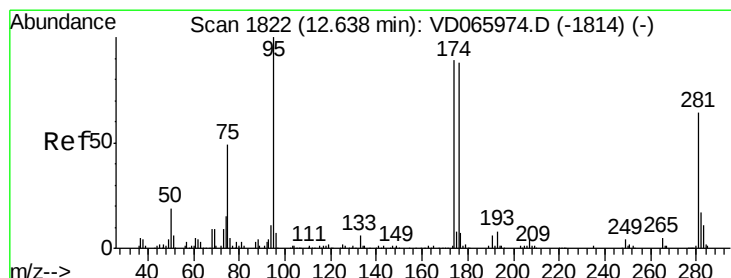
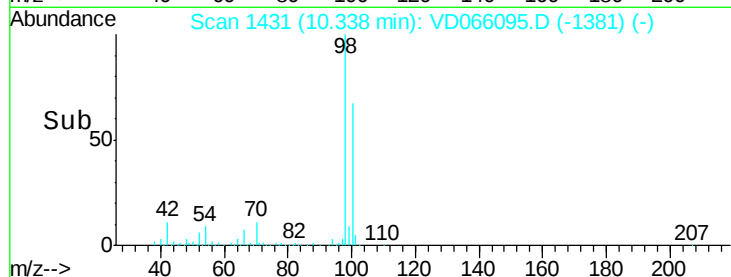
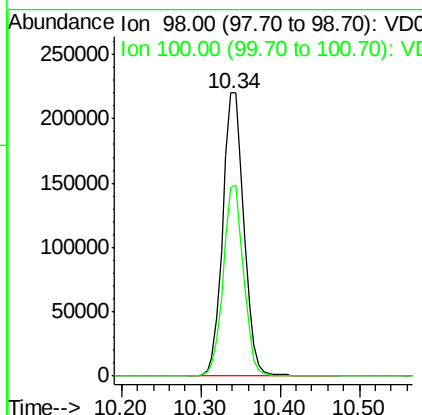
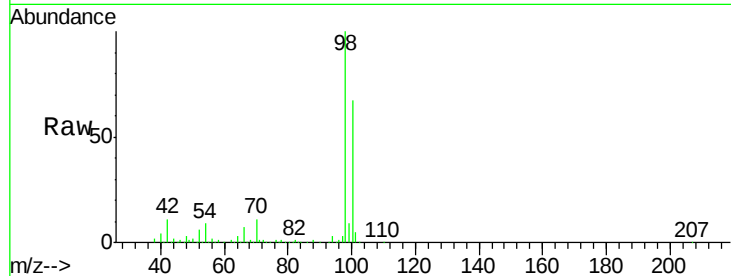




#50
Toluene-d8
Concen: 55.346 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066095.D
Acq: 29 Jul 2020 17:54

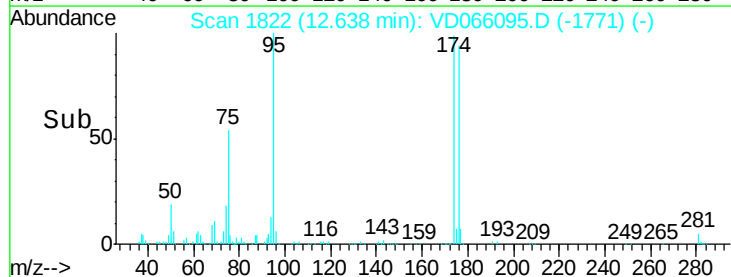
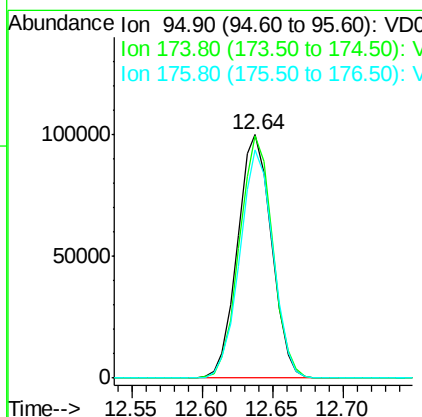
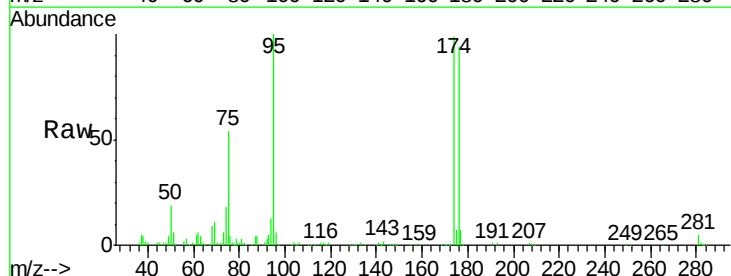
Instrument :
MSVOA_D
ClientSampleId :

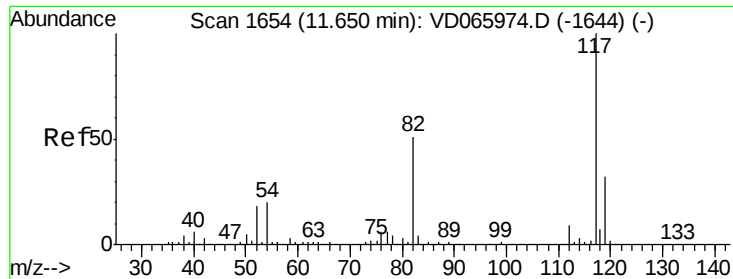
Tot Ion: 98 Resp: 407775
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 65.797 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066095.D
Acq: 29 Jul 2020 17:54

Tgt Ion: 95 Resp: 168088
Ion Ratio Lower Upper
95 100
174 97.2 0.0 178.8
176 91.7 0.0 172.6

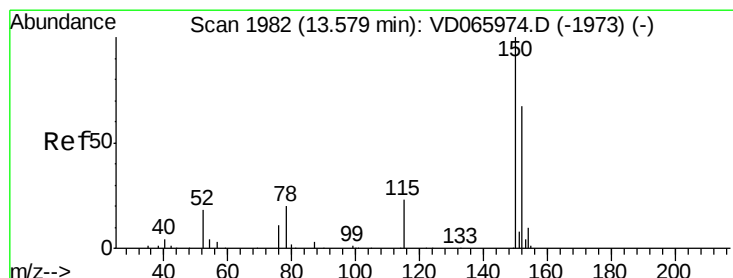
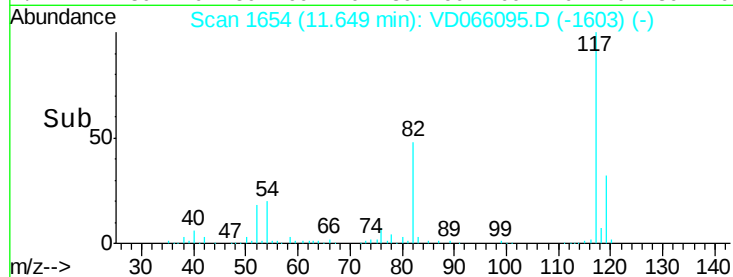
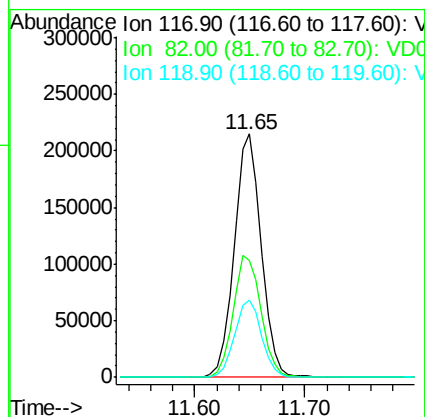
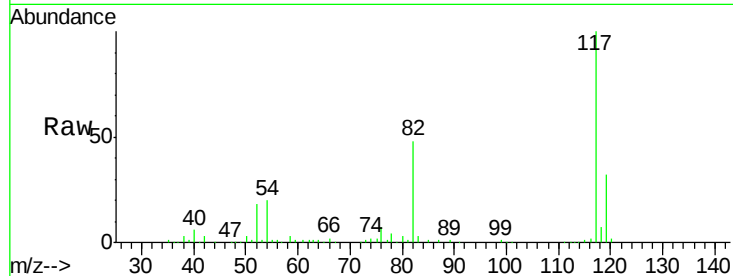




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066095.D
Acq: 29 Jul 2020 17:54

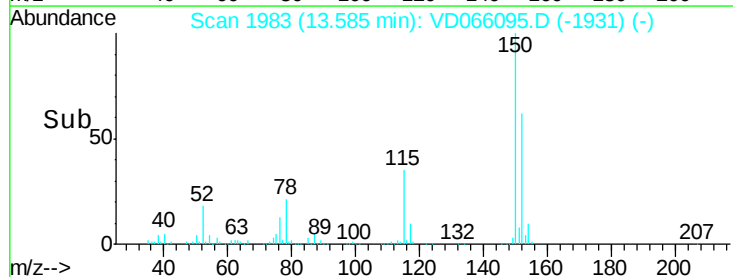
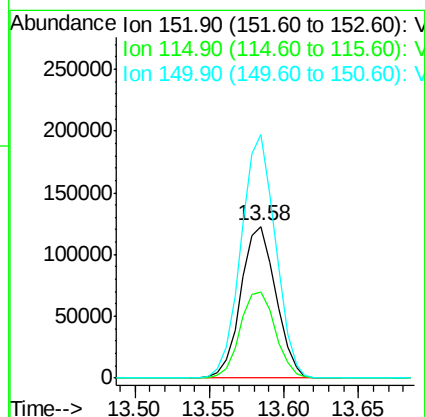
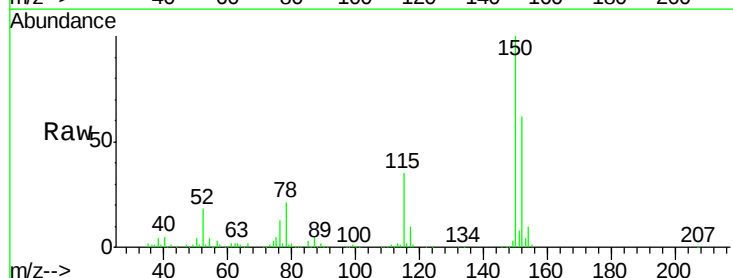
Instrument :
MSVOA_D
ClientSampled :

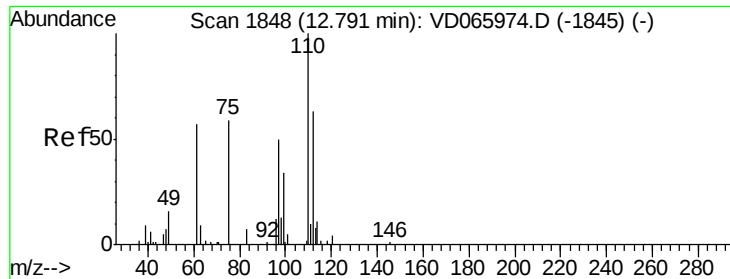
Tot Ion:117 Resp: 367461
Ion Ratio Lower Upper
117 100
82 48.2 41.1 61.7
119 31.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066095.D
Acq: 29 Jul 2020 17:54

Tgt Ion:152 Resp: 199578
Ion Ratio Lower Upper
152 100
115 57.3 27.9 83.7
150 158.2 0.0 348.2

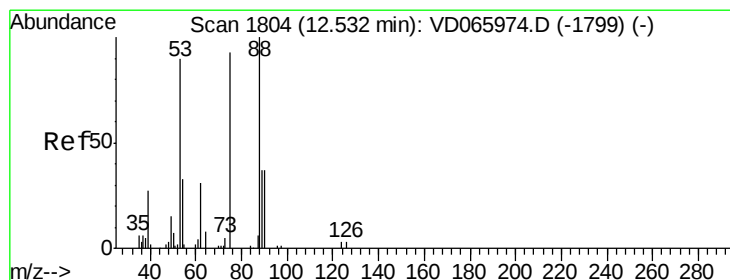
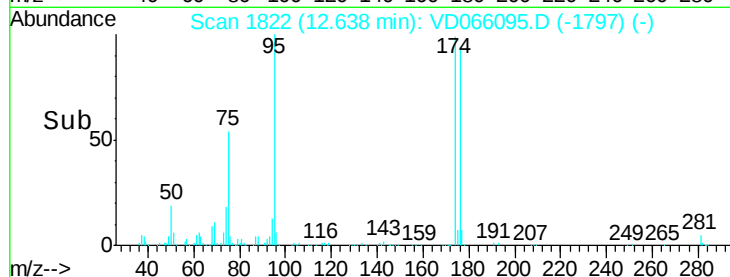
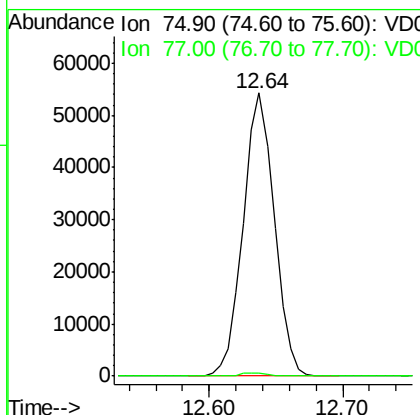
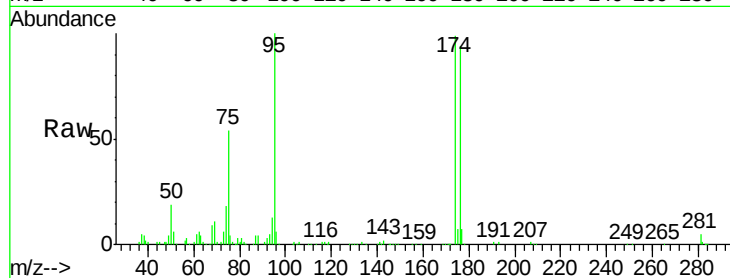




#76
 1,2,3-Trichloropropane
 Concen: 58.221 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066095.D
 Acq: 29 Jul 2020 17:54

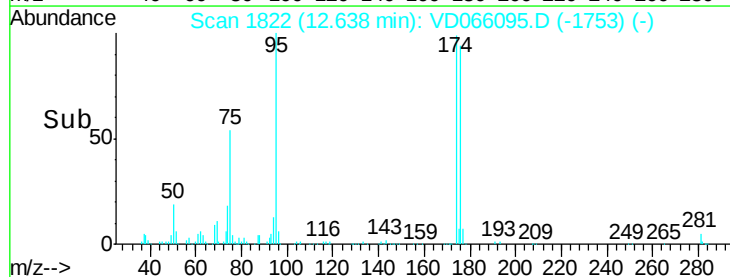
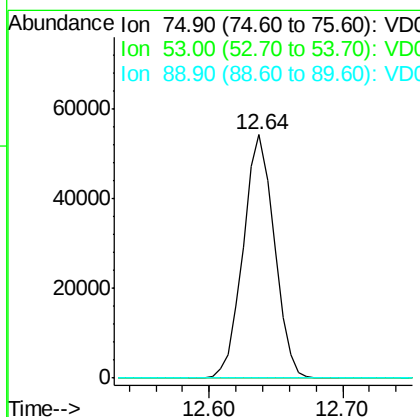
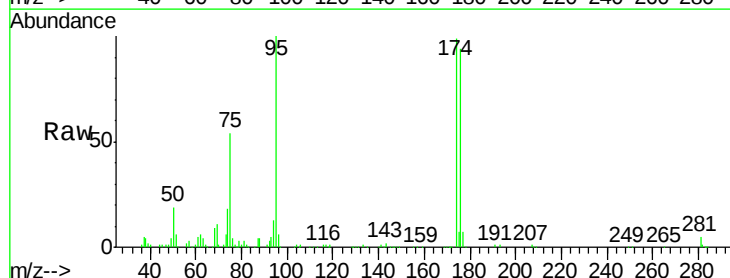
Instrument :
 MSVOA_D
 ClientSampleId :

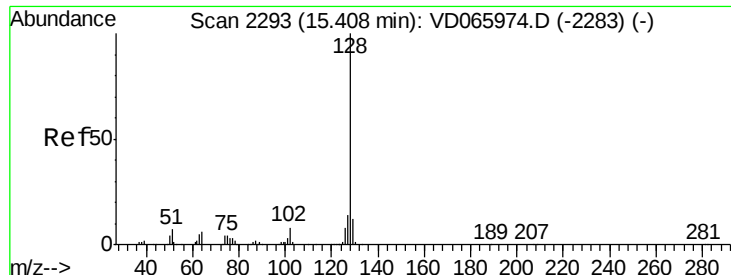
Tot Ion: 75 Resp: 87490
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.597 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066095.D
 Acq: 29 Jul 2020 17:54

Tgt Ion: 75 Resp: 87490
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.585 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

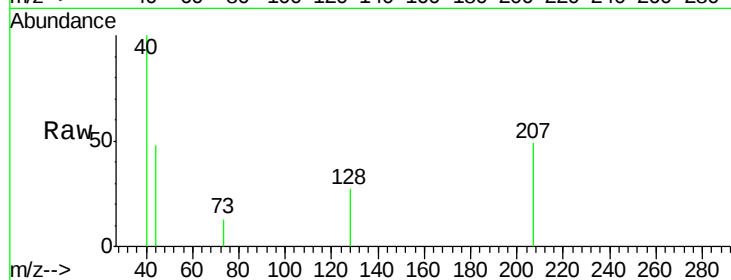
Lab File: VD066095.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:	128	Resp:	255
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.9	13.3#

