

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065779.D
 Acq On : 08 Jun 2020 14:36
 Operator : VA/SY
 Sample : L2924-01
 Misc : 5.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP

Quant Time: Jun 09 06:23:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	224817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	389029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	357476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164652	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	143856	64.76	ug/l	0.00
Spiked Amount			Recovery	=	129.52%	
35) Dibromofluoromethane	7.92	113	131987	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	
50) Toluene-d8	10.34	98	483269	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.64	95	156119	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	

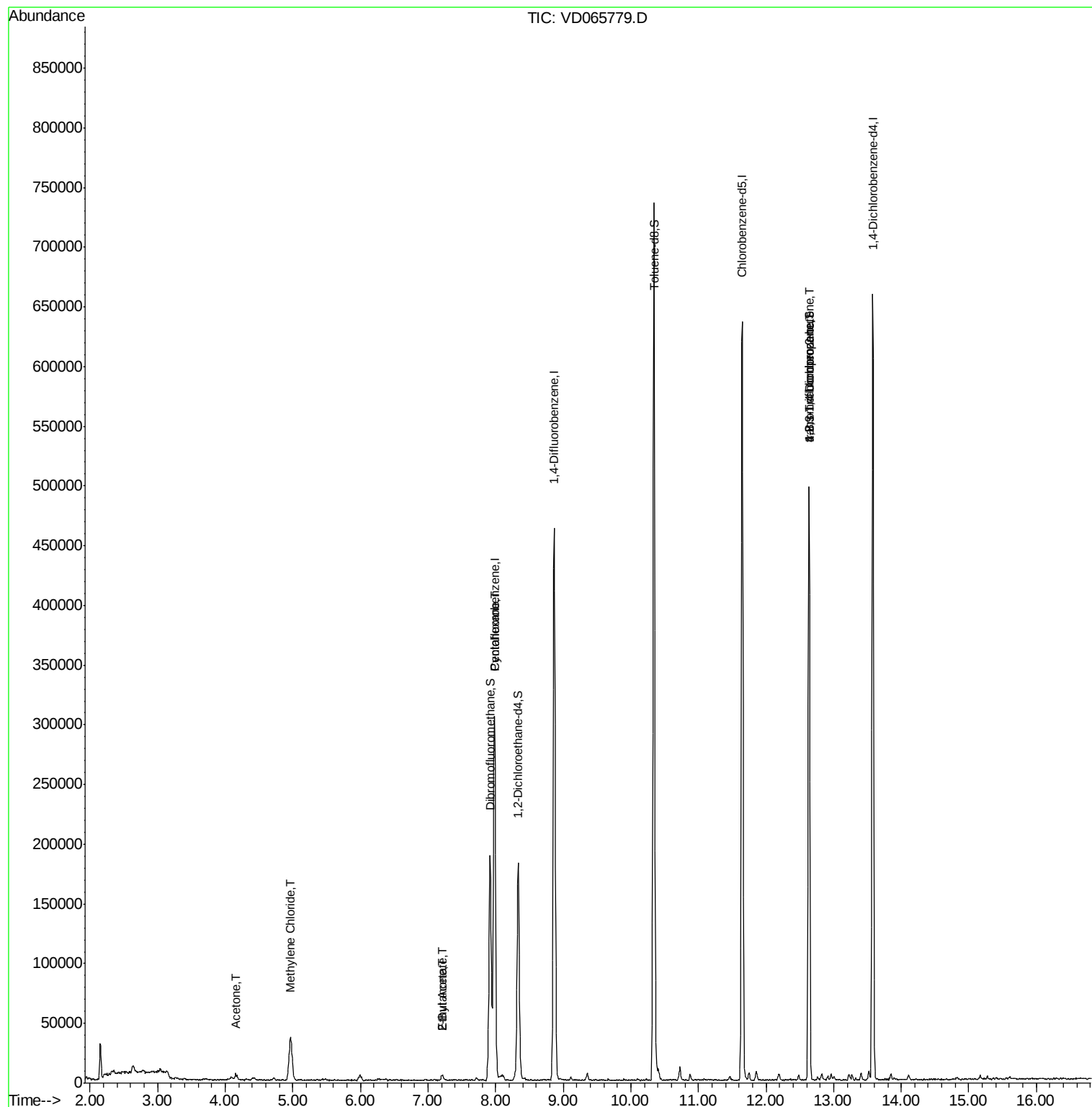
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	862	Below Cal	#	53
3) Chloromethane	2.21	50	1317	Below Cal	#	43
11) Tert butyl alcohol	5.23	59	128	Below Cal	#	74
16) Acetone	4.16	43	9438	22.523	ug/l #	89
18) Methyl Acetate	4.73	43	223	Below Cal	#	52
20) Methylene Chloride	4.97	84	27524	8.692	ug/l	93
25) 2-Butanone	7.21	43	2704	4.672	ug/l #	63
31) Cyclohexane	7.98	56	7354	1.846	ug/l #	56
37) Ethyl Acetate	7.21	43	2704	1.842	ug/l #	86
76) 1,2,3-Trichloropropane	12.64	75	85126	66.478	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	85126	143.633	ug/l #	9

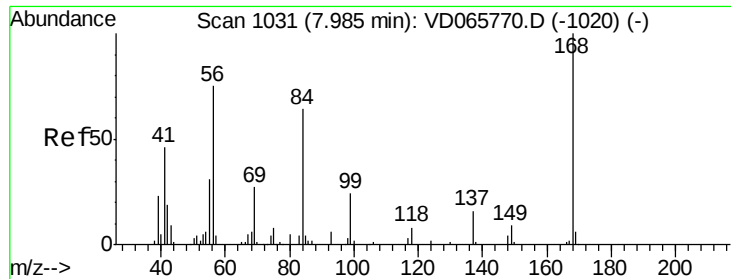
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065779.D

Acq: 08 Jun 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

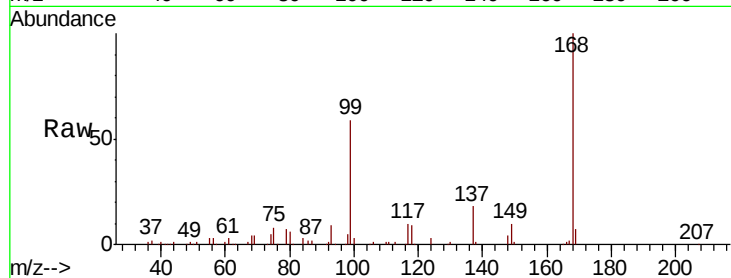
SP

Tot Ion:168 Resp: 224817

Ion Ratio Lower Upper

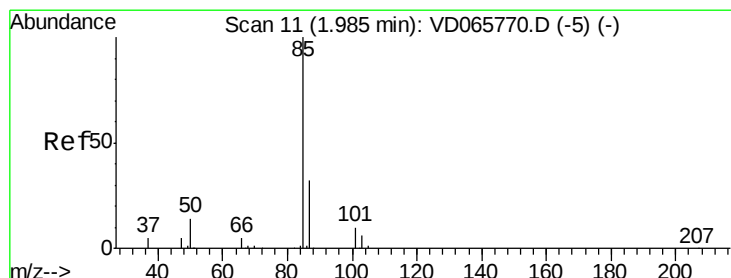
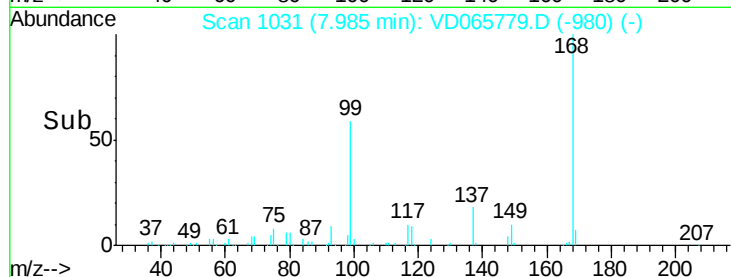
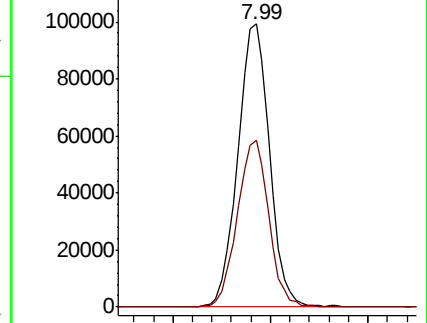
168 100

99 59.0 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065779.D

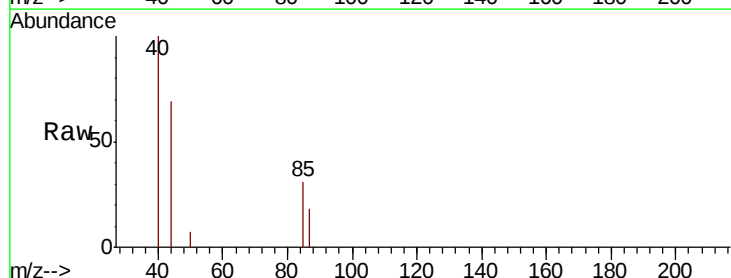
Acq: 08 Jun 2020 14:36

Tgt Ion: 85 Resp: 862

Ion Ratio Lower Upper

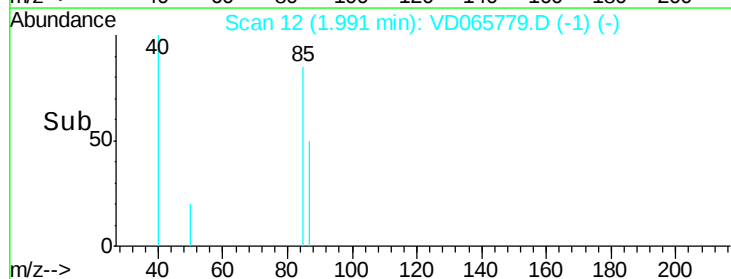
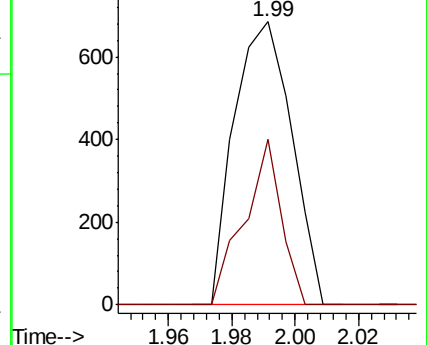
85 100

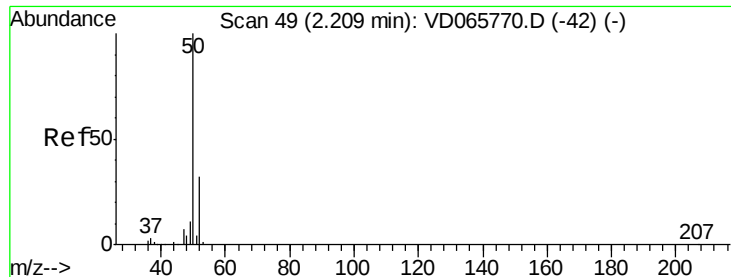
87 58.7 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065779.D

Acq: 08 Jun 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

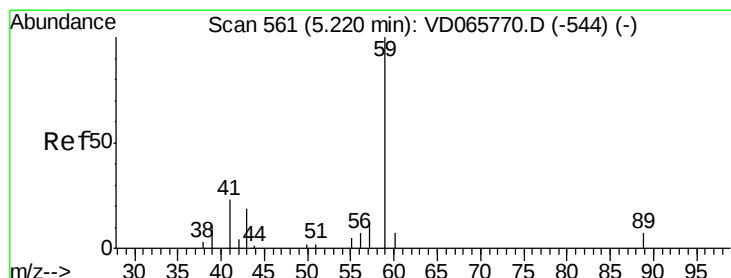
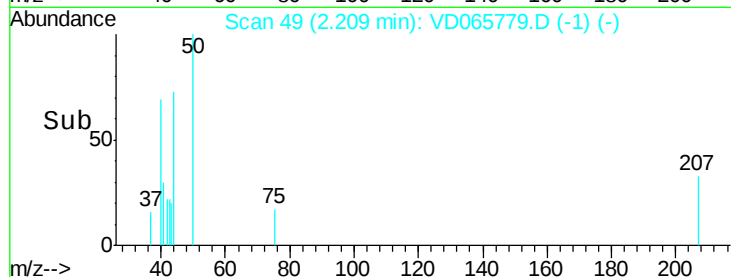
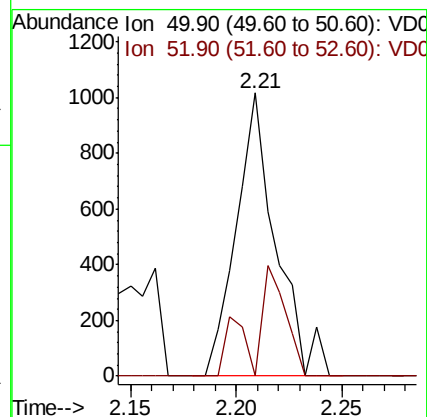
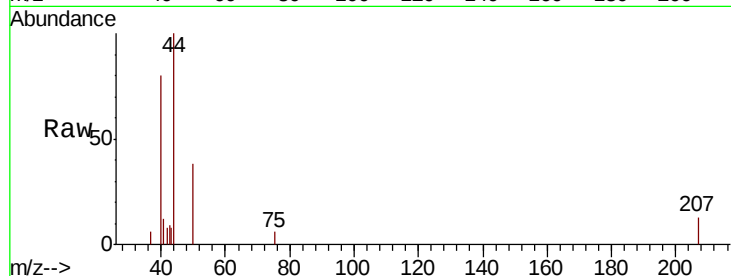
SP

Tot Ion: 50 Resp: 1317

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD065779.D

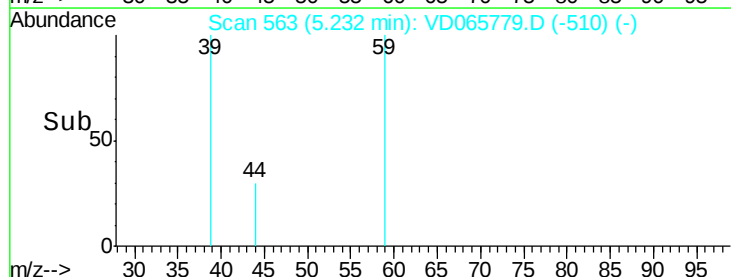
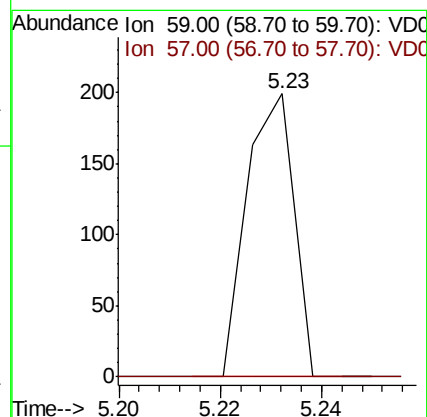
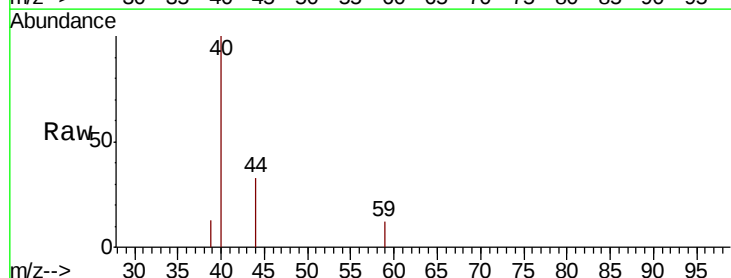
Acq: 08 Jun 2020 14:36

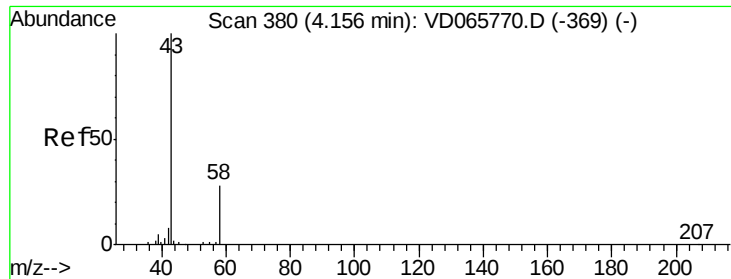
Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#





#16

Acetone

Concen: 22.523 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065779.D

Acq: 08 Jun 2020 14:36

Instrument :

MSVOA_D

ClientSampled :

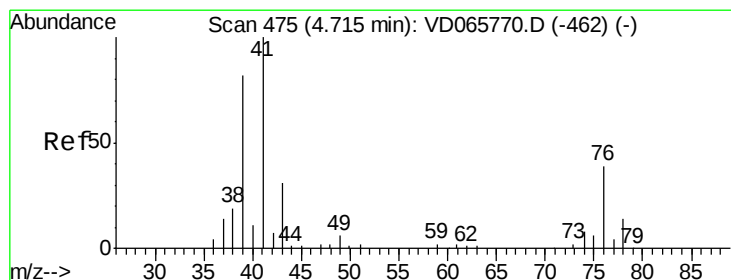
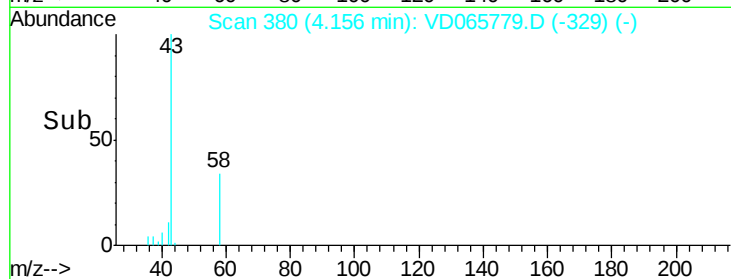
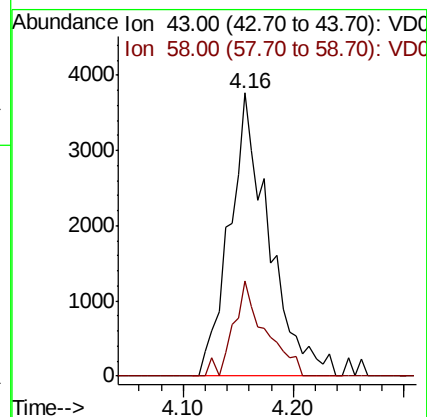
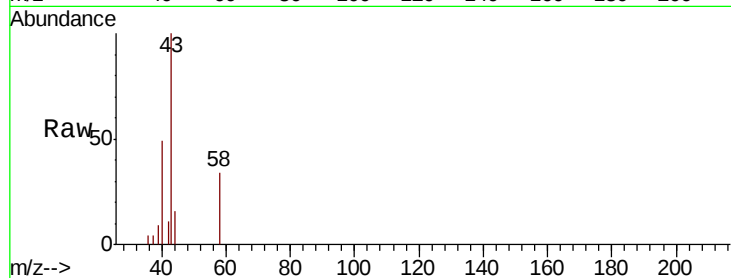
SP

Tot Ion: 43 Resp: 9438

Ion Ratio Lower Upper

43 100

58 33.8 22.3 33.5#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD065779.D

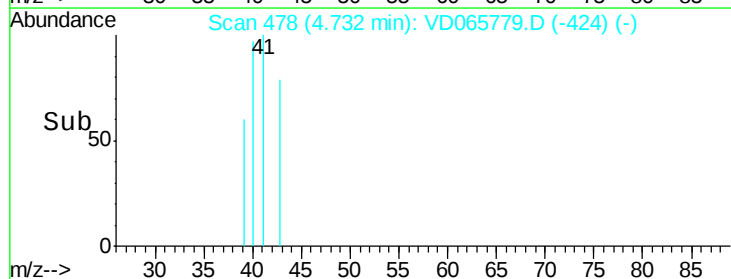
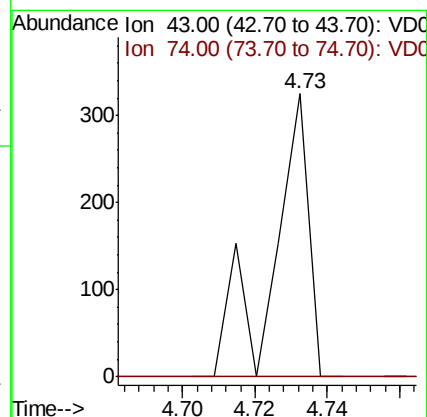
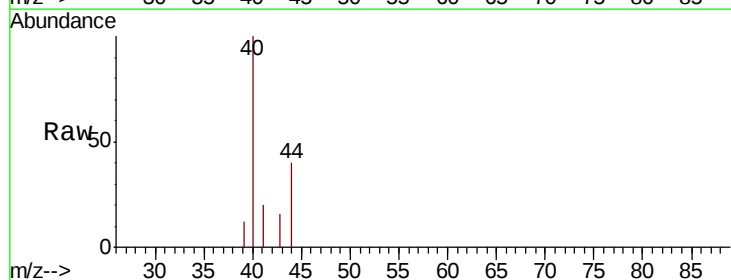
Acq: 08 Jun 2020 14:36

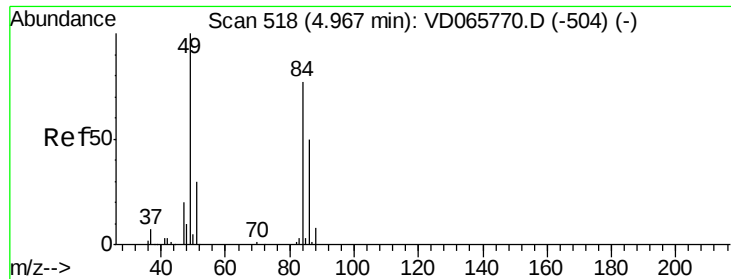
Tgt Ion: 43 Resp: 223

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#

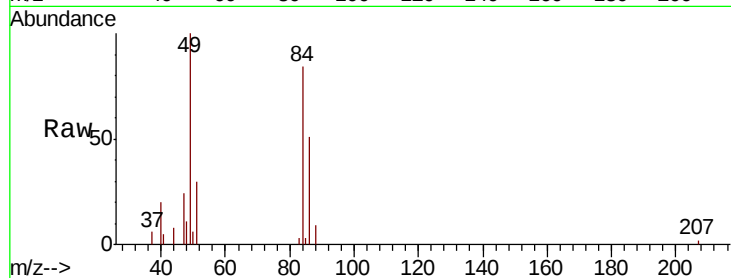




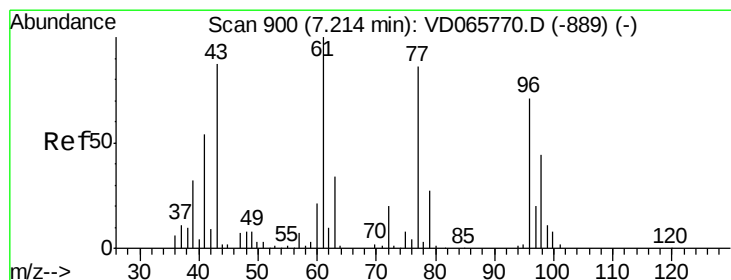
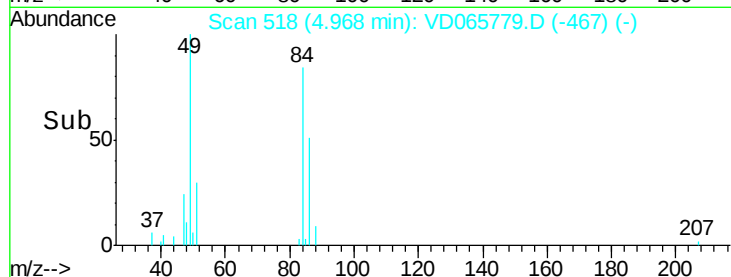
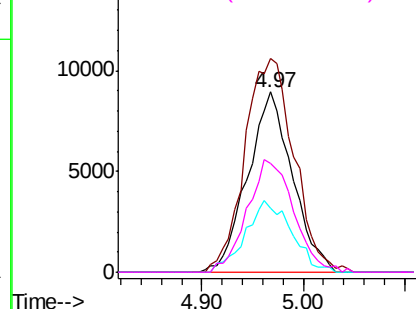
#20
Methvlene Chloride
Concen: 8.692 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065779.D
Acq: 08 Jun 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
SP

Tot Ion: 84 Resp: 27524
Ion Ratio Lower Upper
84 100
49 118.7 103.4 155.0
51 35.9 31.4 47.2
86 60.7 51.7 77.5

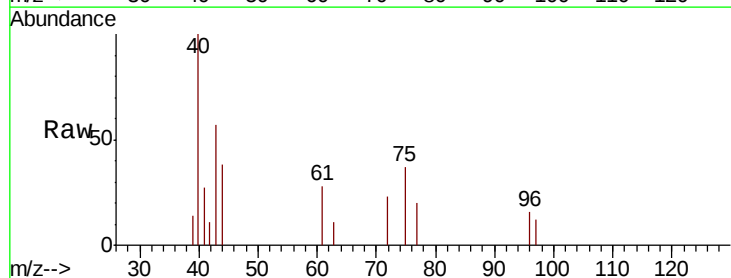


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

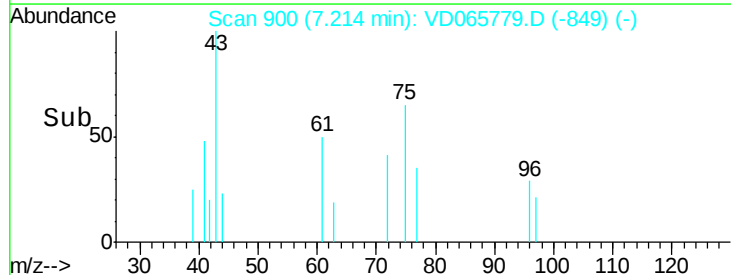
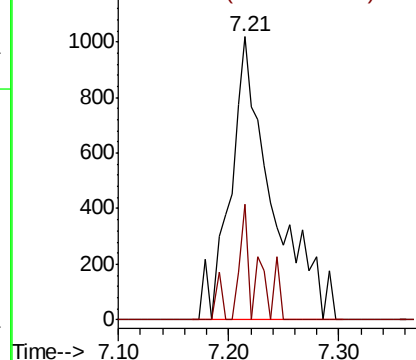


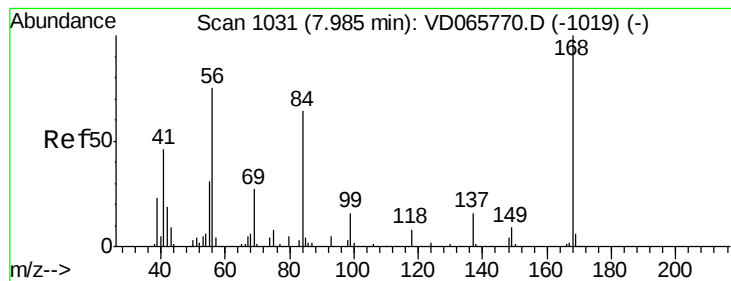
#25
2-Butanone
Concen: 4.672 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065779.D
Acq: 08 Jun 2020 14:36

Tgt Ion: 43 Resp: 2704
Ion Ratio Lower Upper
43 100
72 41.1 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.846 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

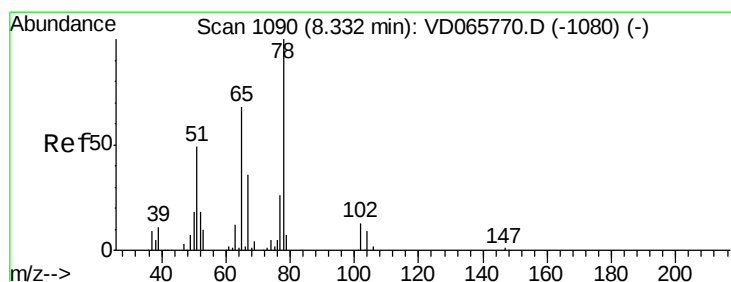
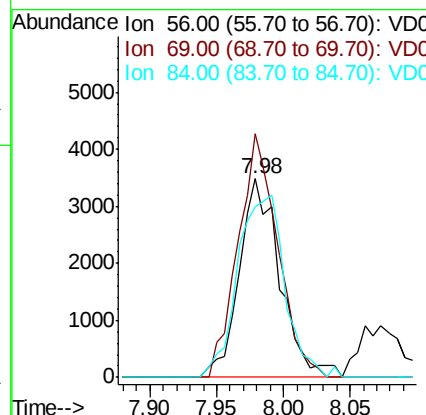
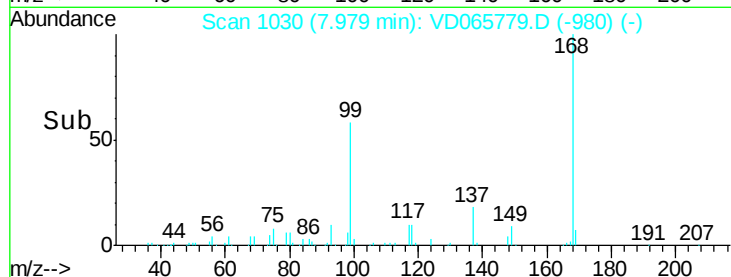
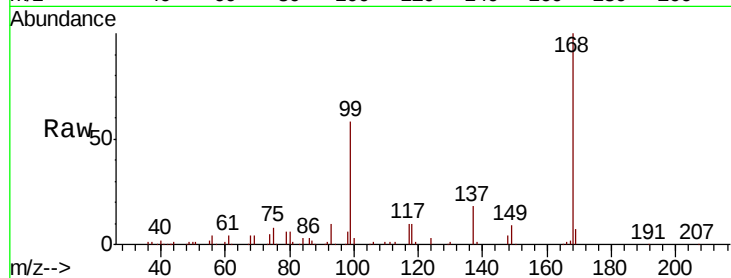
Lab File: VD065779.D

Acq: 08 Jun 2020 14:36

Instrument :
MSVOA_D
ClientSampled :
SP

Tot Ion: 56 Resp: 7354

Ion	Ratio	Lower	Upper
56	100		
69	122.7	28.5	42.7#
84	86.1	68.4	102.6



#33

1,2-Dichloroethane-d4

Concen: 64.756 ug/l

RT: 8.33 min Scan# 1090

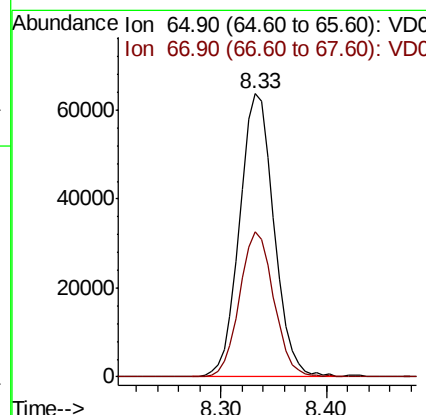
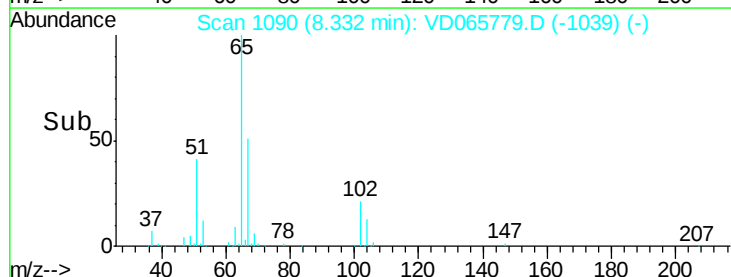
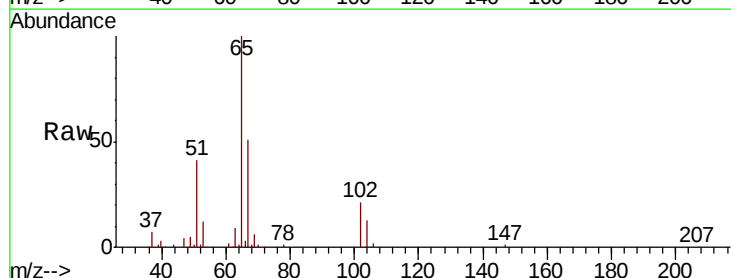
Delta R.T. 0.00 min

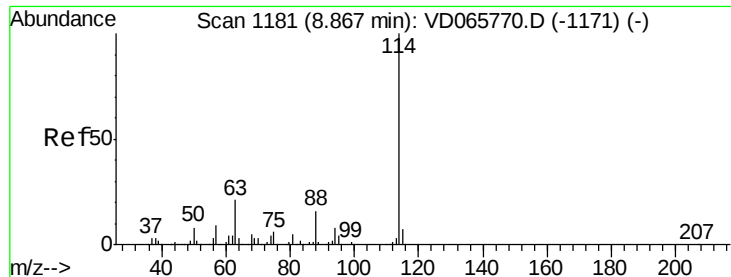
Lab File: VD065779.D

Acq: 08 Jun 2020 14:36

Tgt Ion: 65 Resp: 143856

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.6

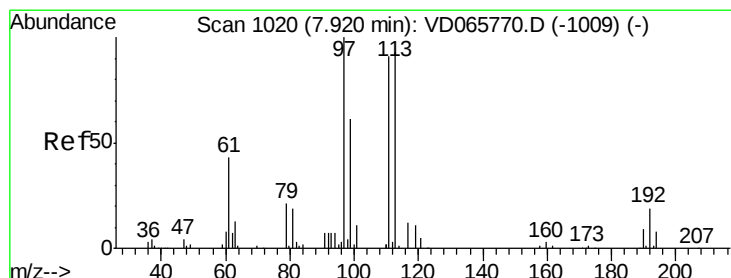
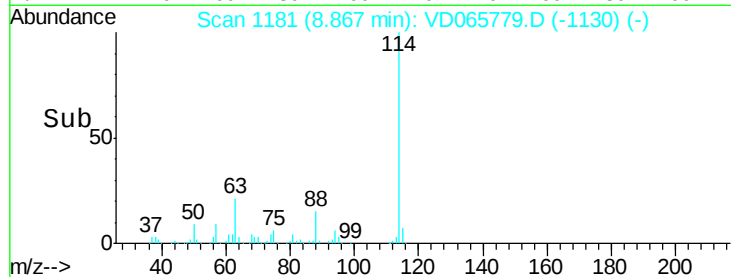
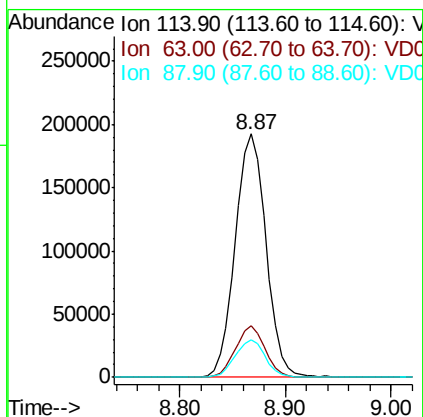
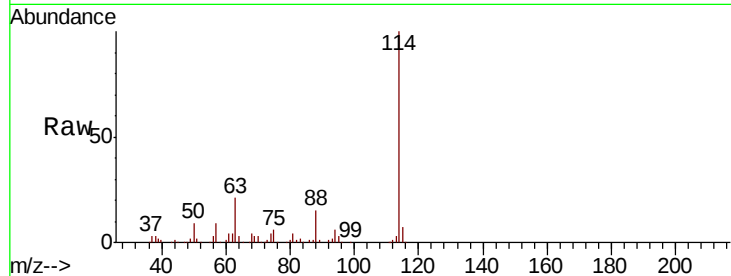




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065779.D
 Acq: 08 Jun 2020 14:36

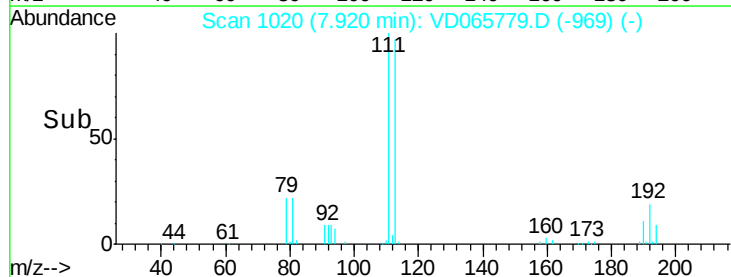
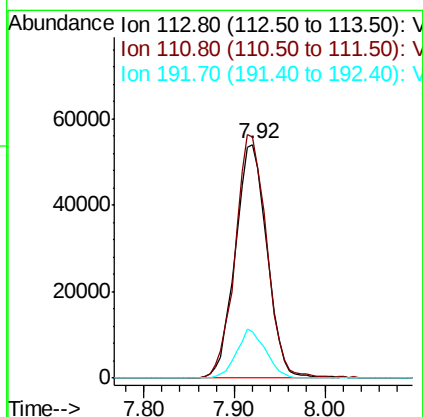
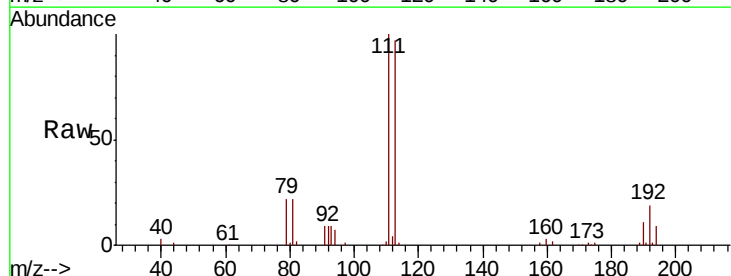
Instrument :
 MSVOA_D
 ClientSampleId :
 SP

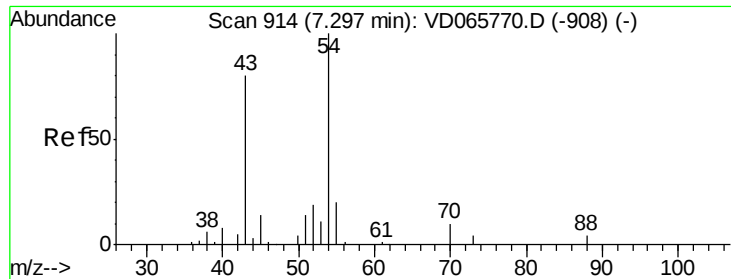
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	15.2	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 53.711 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065779.D
 Acq: 08 Jun 2020 14:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.4	125.0
192	19.3	15.7	23.5

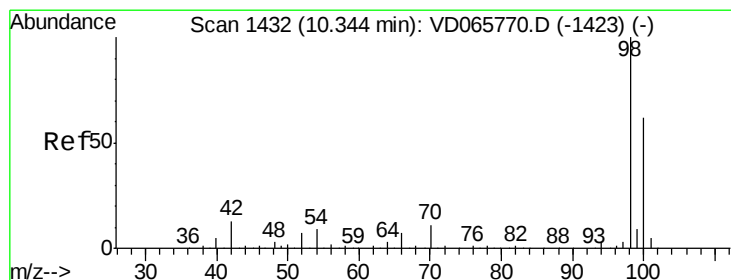
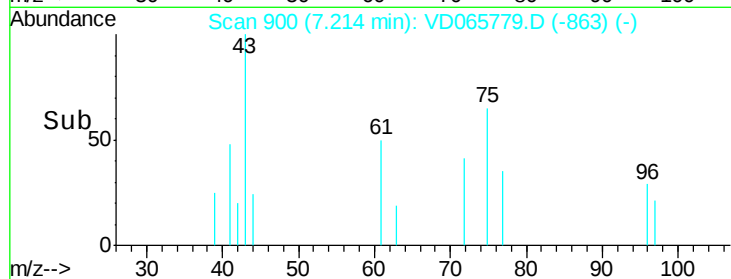
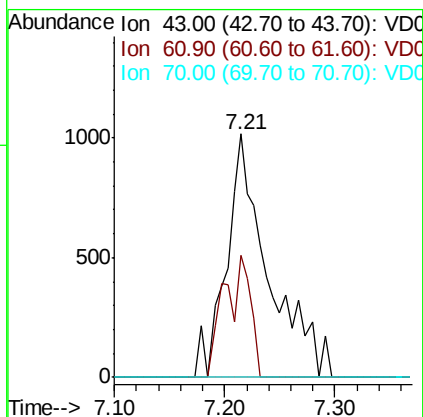
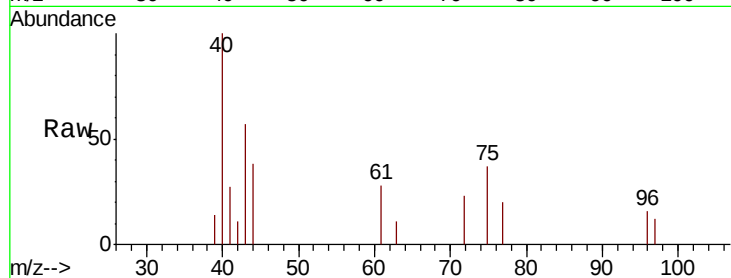




#37
Ethyl Acetate
Concen: 1.842 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD065779.D
Acq: 08 Jun 2020 14:36

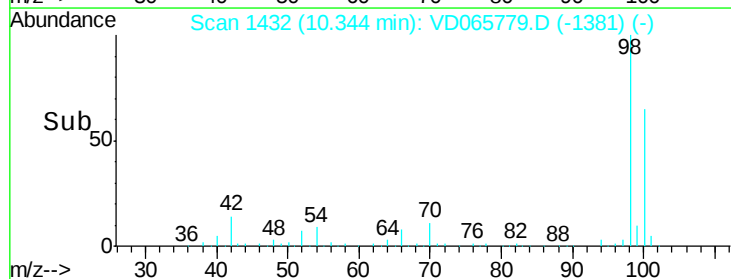
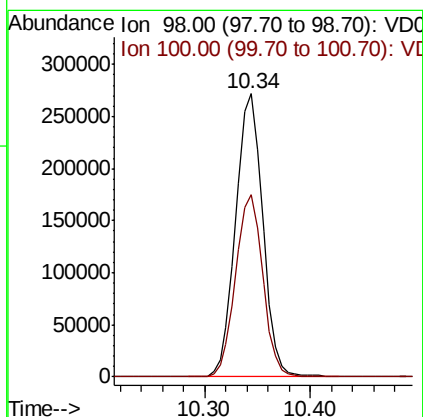
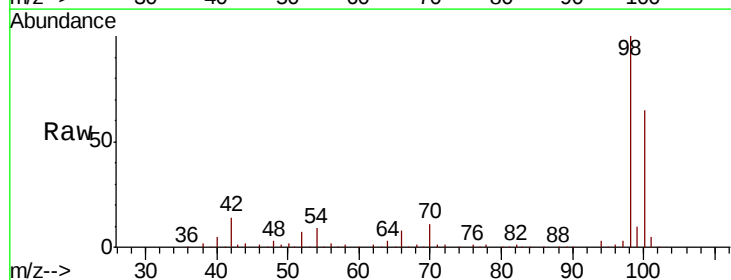
Instrument :
MSVOA_D
ClientSampled :
SP

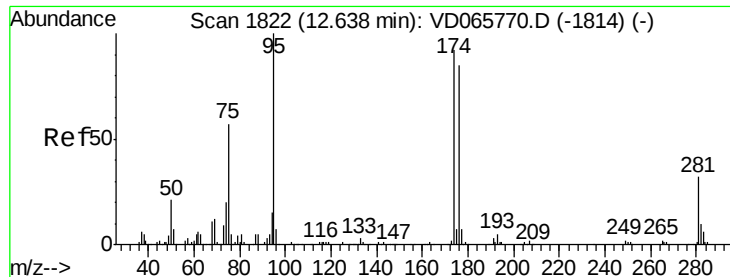
Tot Ion: 43 Resp: 2704
Ion Ratio Lower Upper
43 100
61 15.3 10.6 15.8
70 0.0 7.5 11.3#



#50
Toluene-d8
Concen: 52.741 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065779.D
Acq: 08 Jun 2020 14:36

Tgt Ion: 98 Resp: 483269
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2

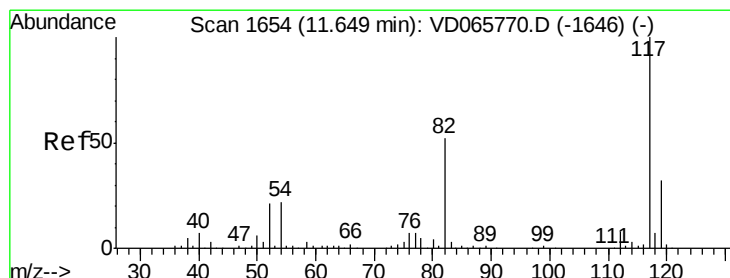
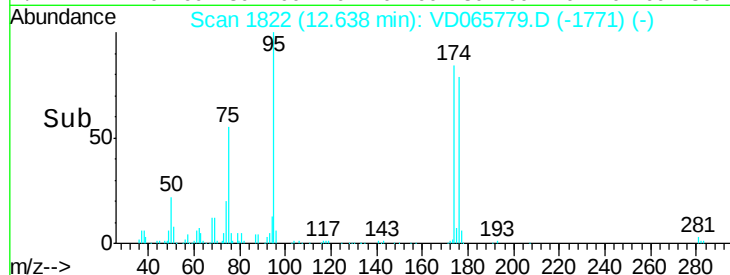
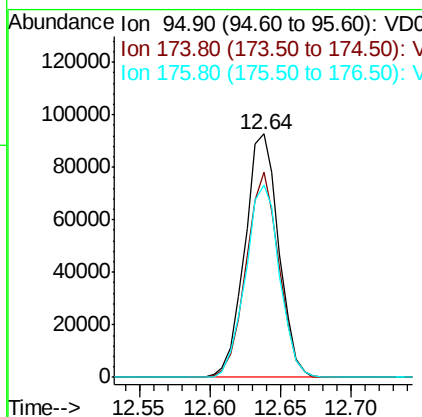
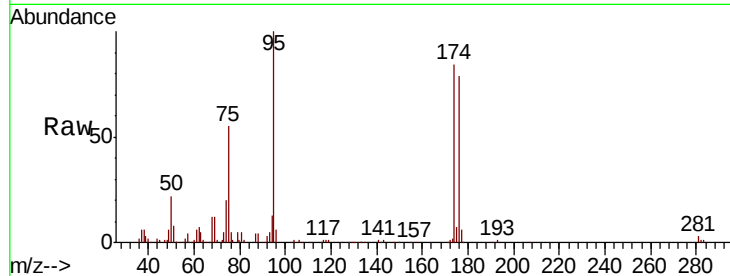




#62
4-Bromofluorobenzene
Concen: 50.239 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065779.D
Acq: 08 Jun 2020 14:36

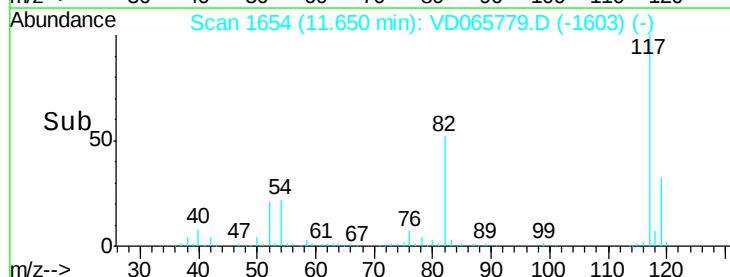
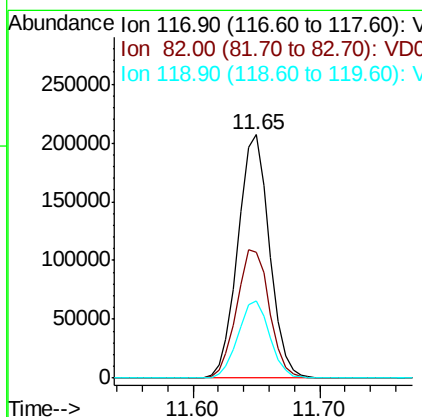
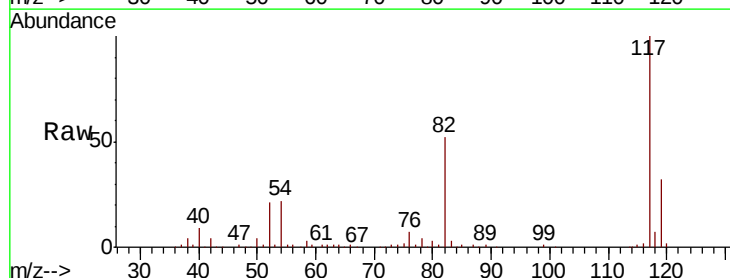
Instrument :
MSVOA_D
ClientSampleId :
SP

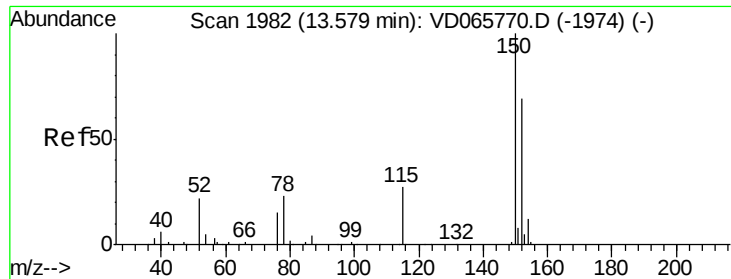
Tot Ion: 95 Resp: 156119
Ion Ratio Lower Upper
95 100
174 81.8 0.0 175.2
176 79.2 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065779.D
Acq: 08 Jun 2020 14:36

Tgt Ion: 117 Resp: 357476
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 31.6 25.3 37.9



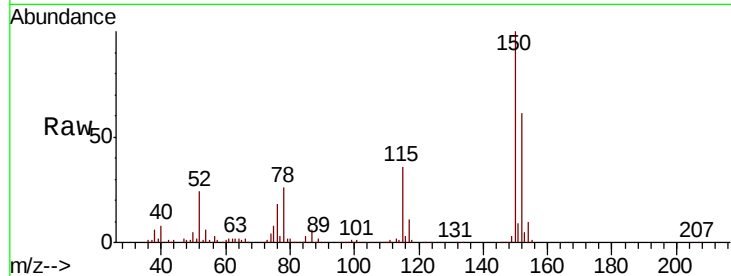


#72

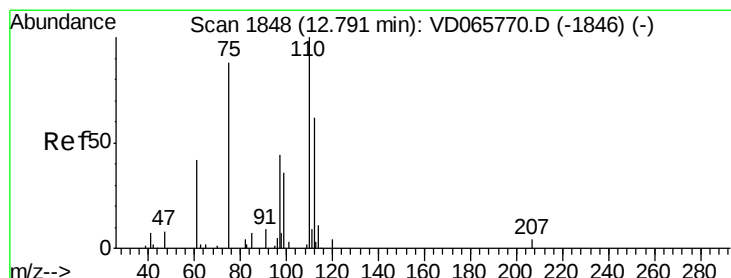
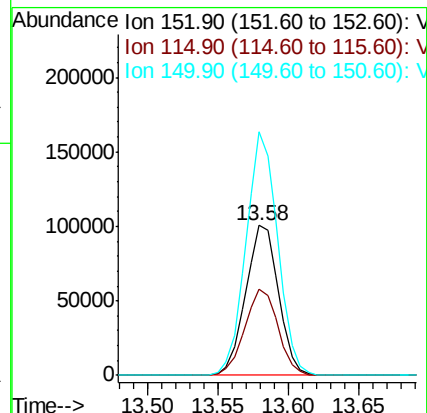
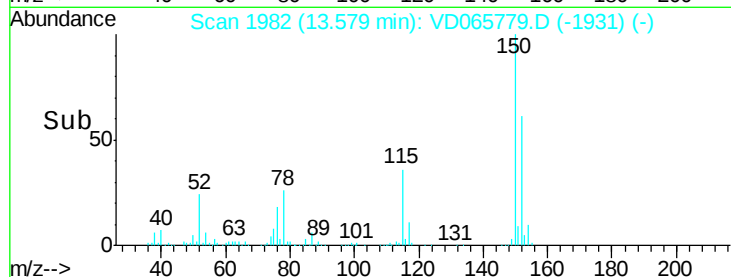
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065779.D
Acq: 08 Jun 2020 14:36

Instrument :
MSVOA_D
ClientSampled :
SP

Tot Ion:152 Resp: 164652
Ion Ratio Lower Upper
152 100
115 57.9 28.7 86.1
150 156.6 0.0 348.0



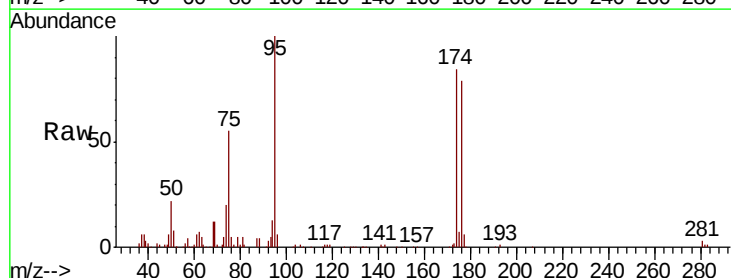
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



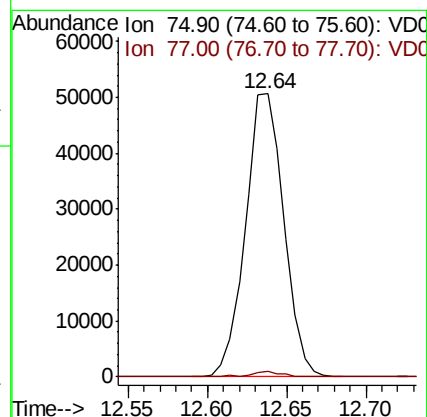
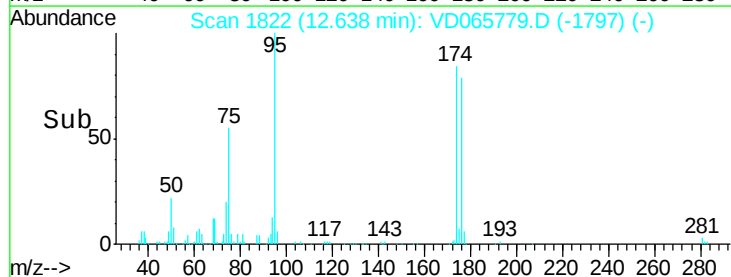
#76

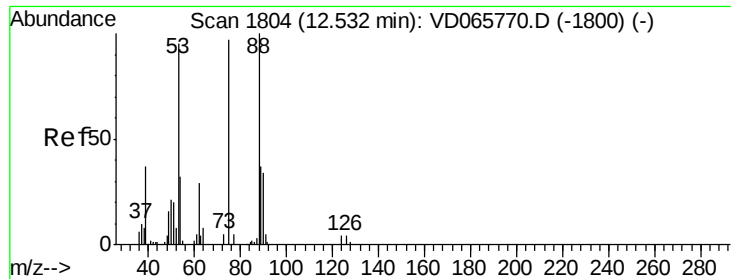
1,2,3-Trichloropropane
Concen: 66.478 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065779.D
Acq: 08 Jun 2020 14:36

Tgt Ion: 75 Resp: 85126
Ion Ratio Lower Upper
75 100
77 1.4 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: 143.633 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065779.D

Acq: 08 Jun 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

SP

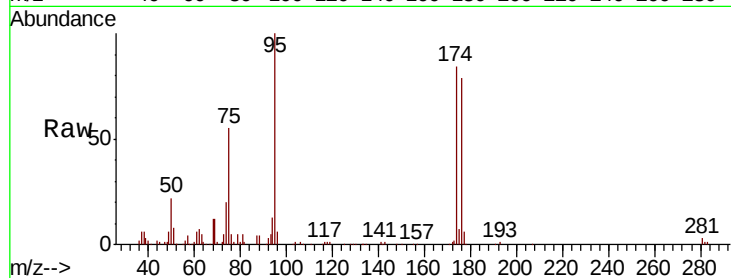
Tot Ion: 75 Resp: 85126

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#



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

