

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061220\
 Data File : VD065795.D
 Acq On : 12 Jun 2020 14:40
 Operator : VA/SY
 Sample : L2997-01
 Misc : 7.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 01:39:56 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	7.98	168	136445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	217934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	196884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	89393	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	67498	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	
35) Dibromofluoromethane	7.91	113	64550	46.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.78%	
50) Toluene-d8	10.34	98	227414	44.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.60%	
62) 4-Bromofluorobenzene	12.64	95	72831	41.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.68%	

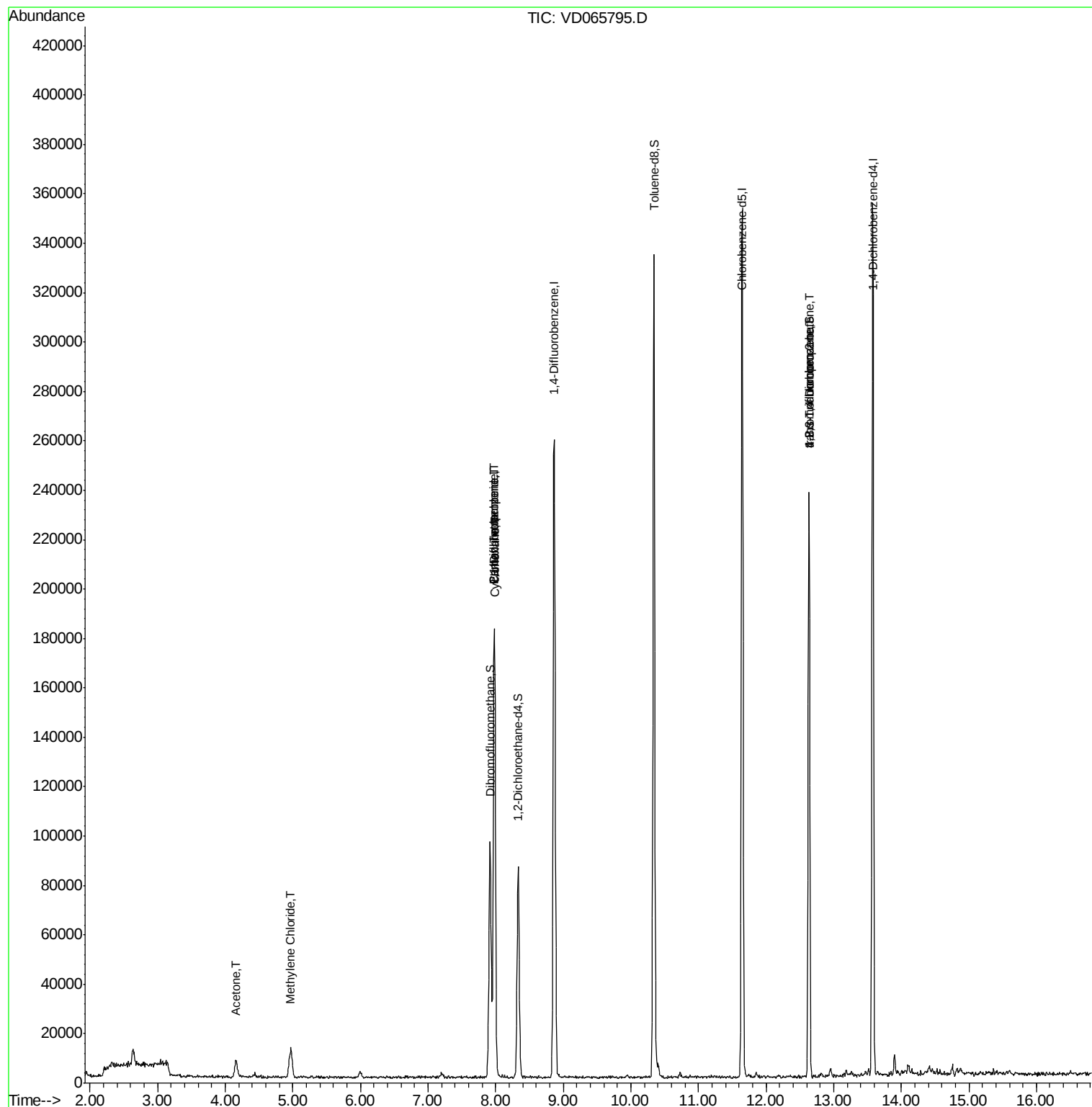
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	56	Below Cal	#	42
3) Chloromethane	2.21	50	171	Below Cal	#	1
11) Tert butyl alcohol	5.20	59	92	Below Cal	#	74
16) Acetone	4.16	43	13276	52.201	ug/l	92
18) Methyl Acetate	4.71	43	67	Below Cal	#	52
20) Methylene Chloride	4.96	84	8632	2.131	ug/l	92
31) Cyclohexane	7.99	56	3630	1.501	ug/l #	52
36) 1,1-Dichloropropene	7.98	75	11412	5.466	ug/l #	50
38) Carbon Tetrachloride	7.98	117	14265	6.493	ug/l #	12
76) 1,2,3-Trichloropropane	12.63	75	40777	58.653	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	40777	126.727	ug/l #	9

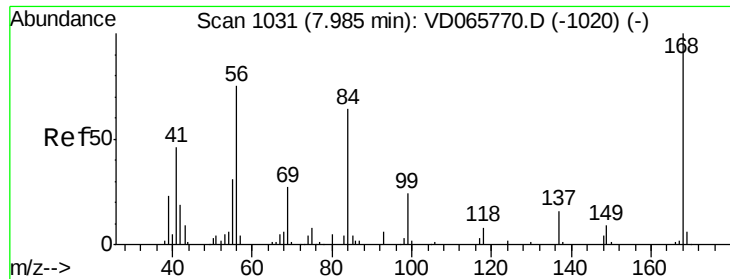
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 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: VD065795.D

Acq: 12 Jun 2020 14:40

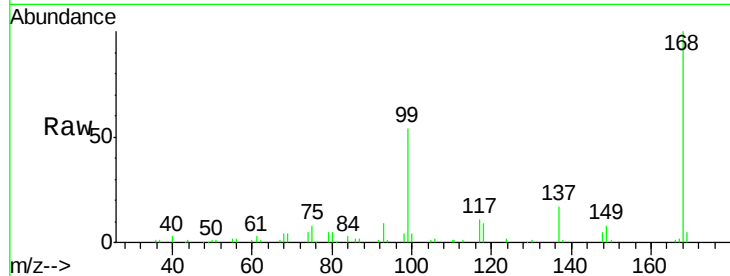
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 136445

Ion Ratio Lower Upper

168 100

99 54.1 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

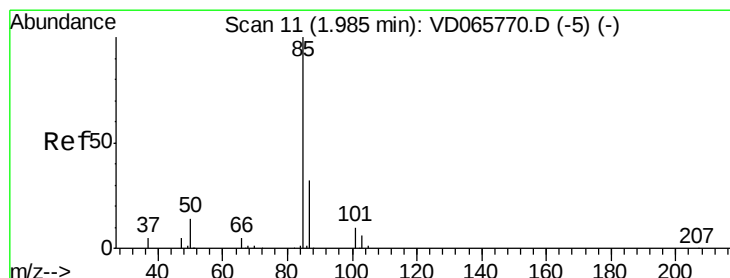
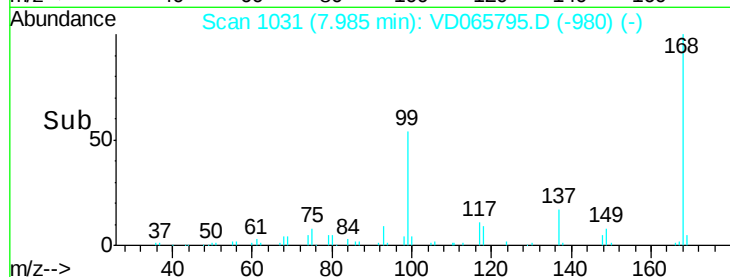
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065795.D

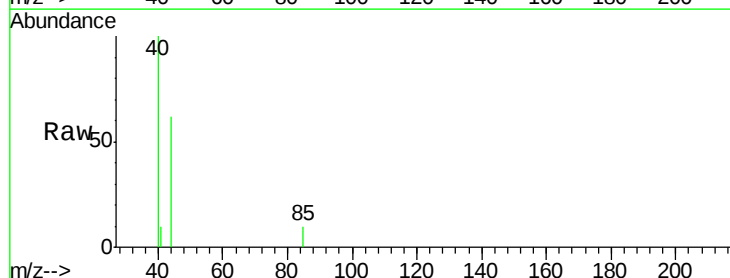
Acq: 12 Jun 2020 14:40

Tgt Ion: 85 Resp: 56

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150

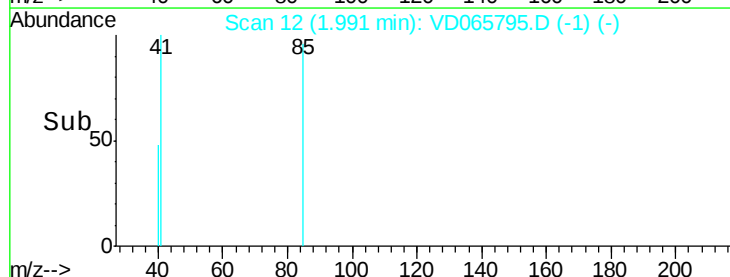
100

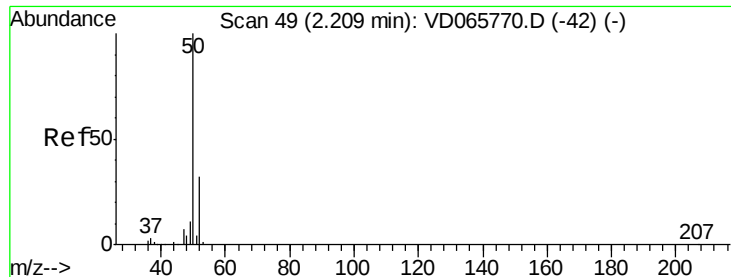
50

0

Time-->

1.97 1.98 1.99 2.00 2.01





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065795.D

Acq: 12 Jun 2020 14:40

Instrument :

MSVOA_D

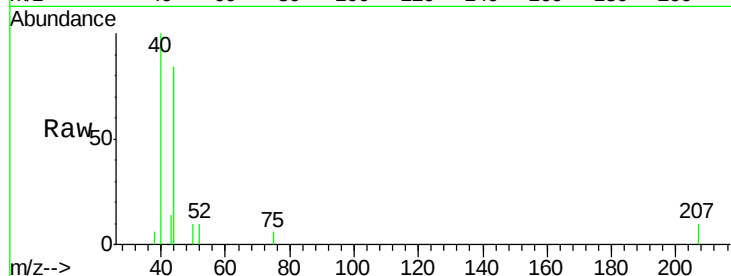
ClientSampleId :

Tot Ion: 50 Resp: 171

Ion Ratio Lower Upper

50 100

52 96.1 25.6 38.4#

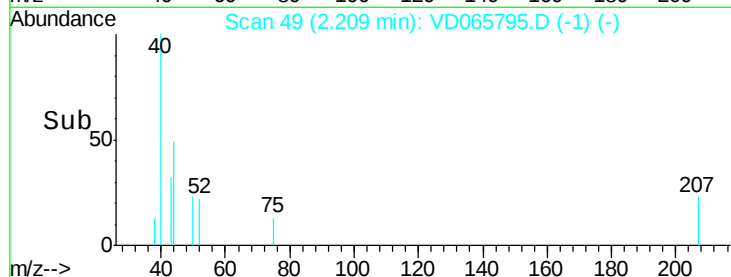


Abundance Ion 49.90 (49.60 to 50.60): VDC

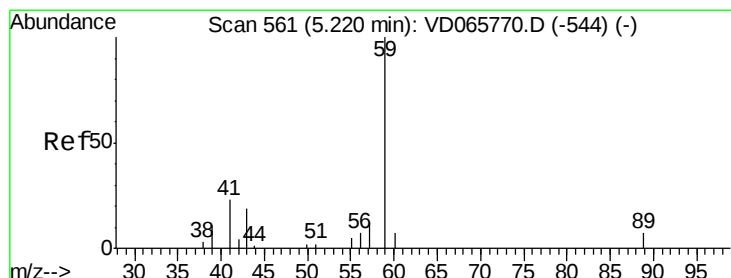
Ion 51.90 (51.60 to 52.60): VDC

2.21

2.20 2.22



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD065795.D

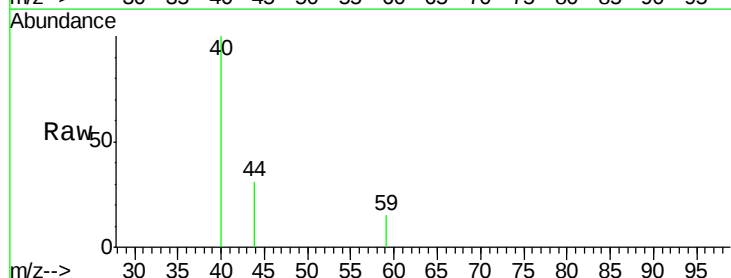
Acq: 12 Jun 2020 14:40

Tgt Ion: 59 Resp: 92

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#

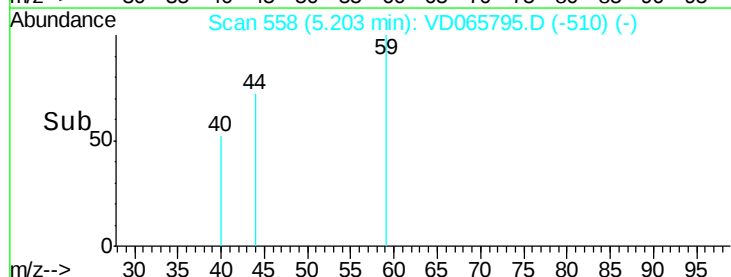


Abundance Ion 59.00 (58.70 to 59.70): VDC

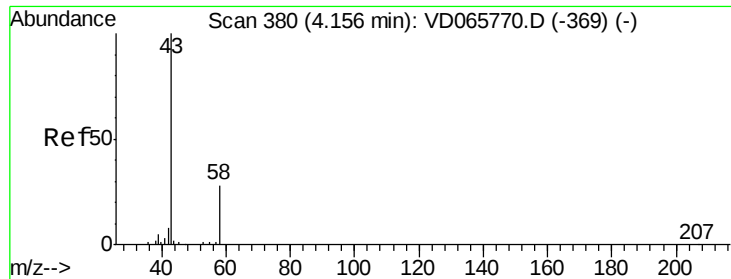
Ion 57.00 (56.70 to 57.70): VDC

5.20

5.18 5.19 5.21 5.22



Time-->



#16

Acetone

Concen: 52.201 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065795.D

Acq: 12 Jun 2020 14:40

Instrument :

MSVOA_D

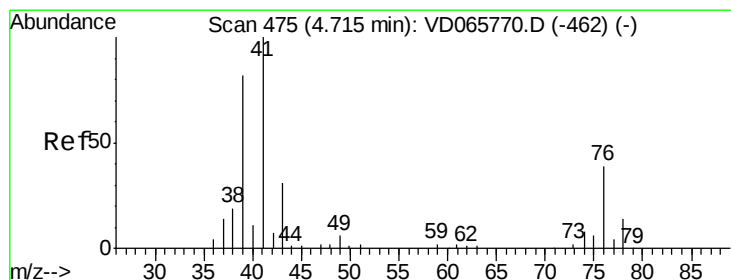
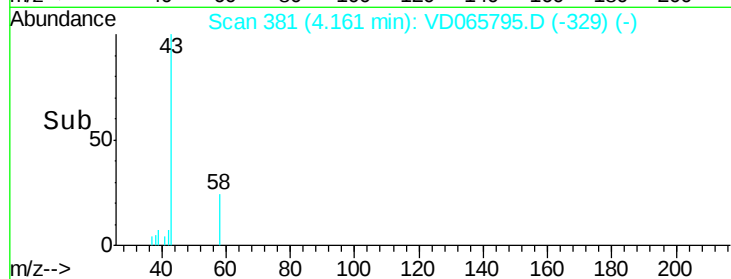
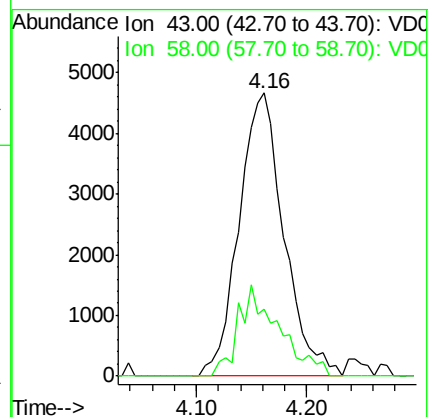
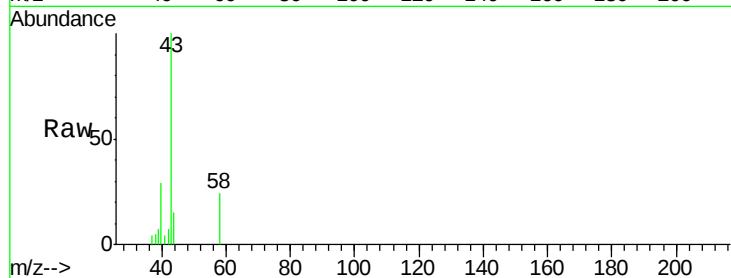
ClientSampleId :

Tot Ion: 43 Resp: 13276

Ion Ratio Lower Upper

43 100

58 23.8 22.3 33.5



#18

Methyl Acetate

Concen: Below Cal

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065795.D

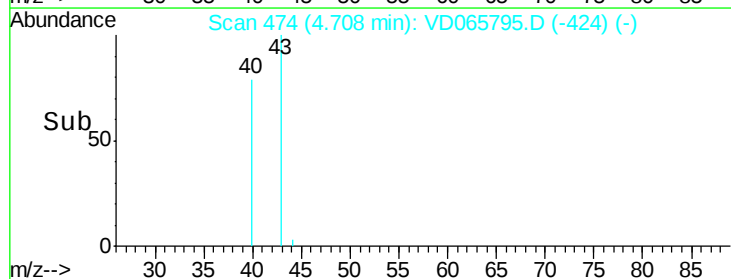
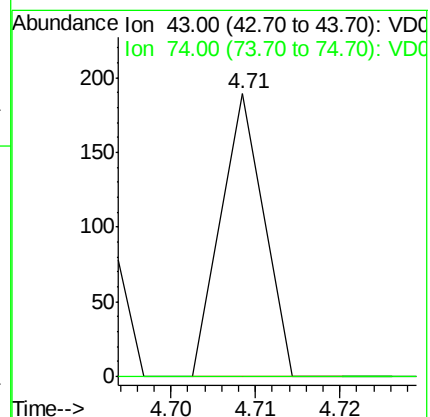
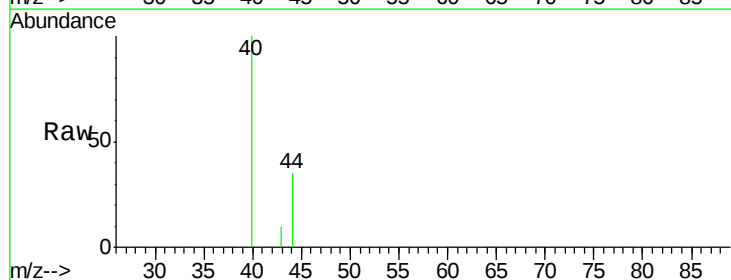
Acq: 12 Jun 2020 14:40

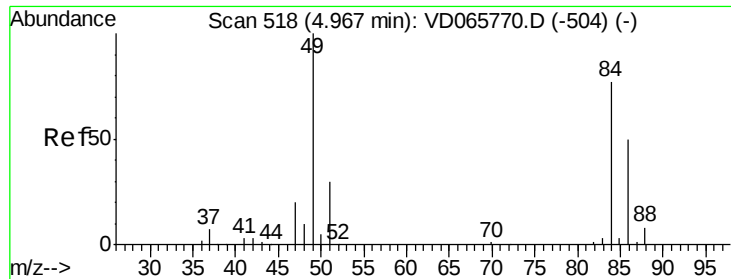
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#

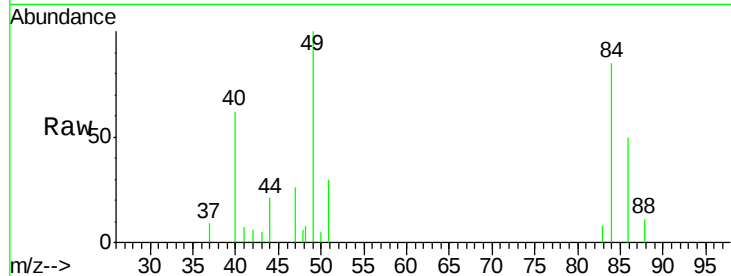




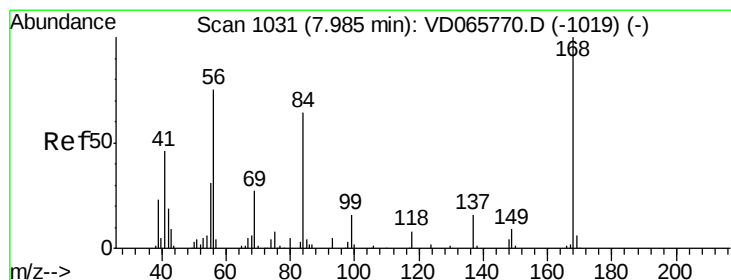
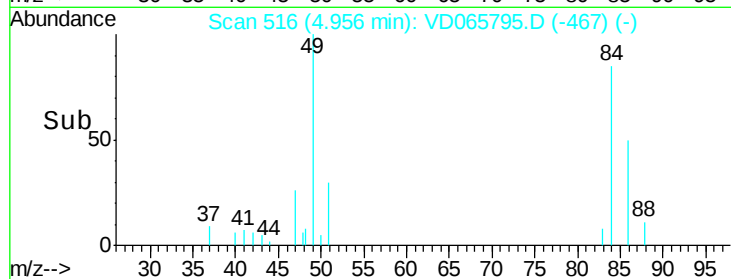
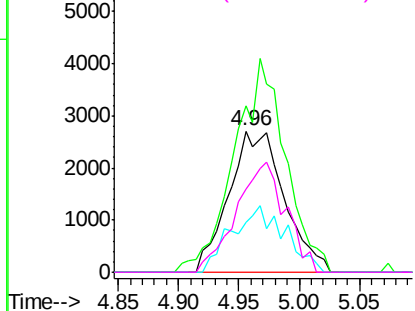
#20
Methvlene Chloride
Concen: 2.131 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065795.D
Acq: 12 Jun 2020 14:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	8632
Ion	Ratio	Lower	Upper
84	100		
49	117.8	103.4	155.0
51	35.7	31.4	47.2
86	58.8	51.7	77.5

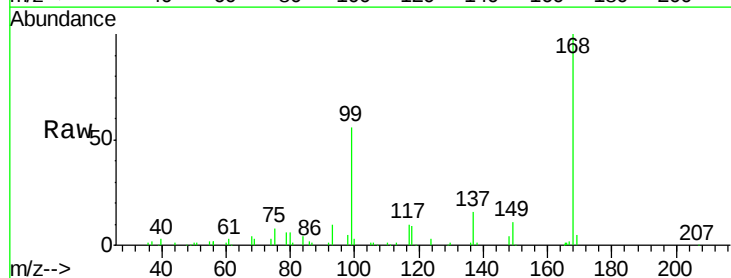


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

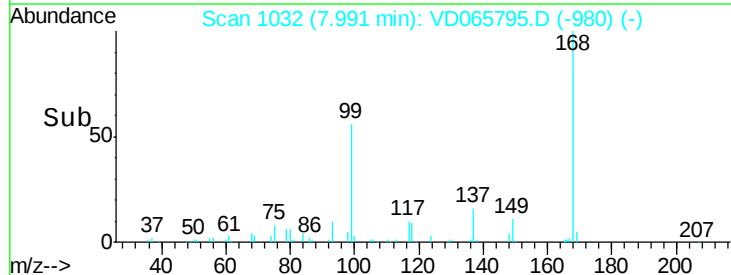
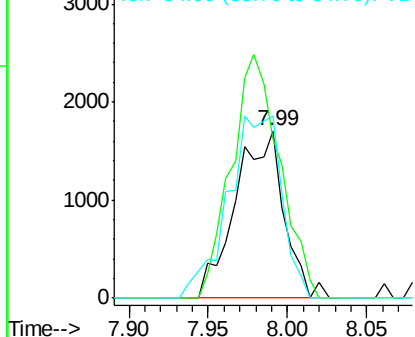


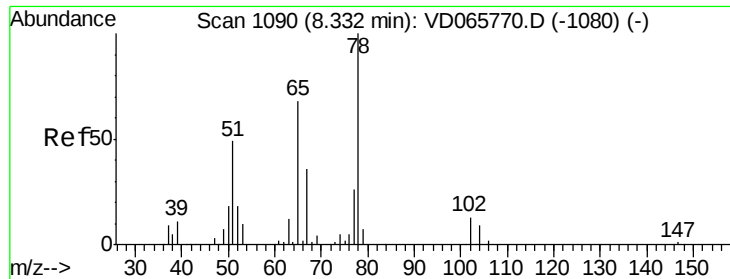
#31
Cyclohexane
Concen: 1.501 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065795.D
Acq: 12 Jun 2020 14:40

Tgt Ion:	56	Resp:	3630
Ion	Ratio	Lower	Upper
56	100		
69	95.6	28.5	42.7#
84	108.9	68.4	102.6#



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: 50.063 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065795.D

Acq: 12 Jun 2020 14:40

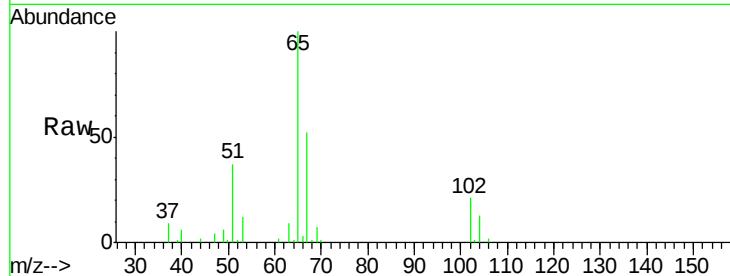
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 67498

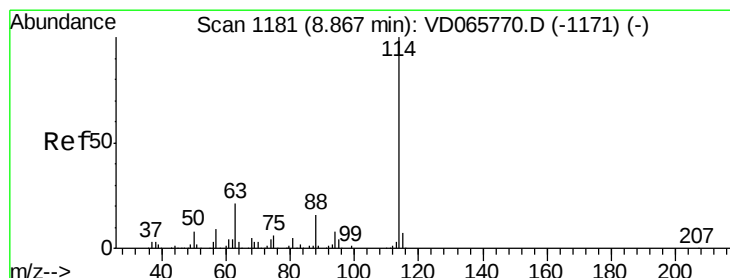
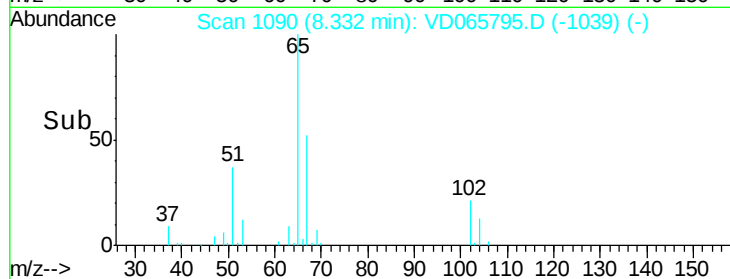
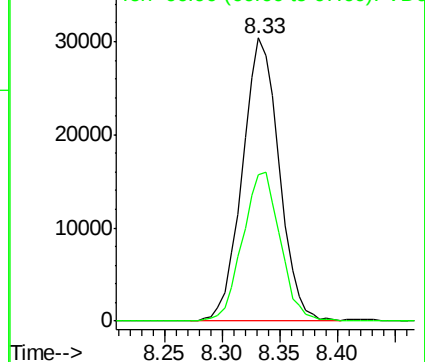
Ion Ratio Lower Upper

65 100

67 53.8 0.0 103.6



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: VD065795.D

Acq: 12 Jun 2020 14:40

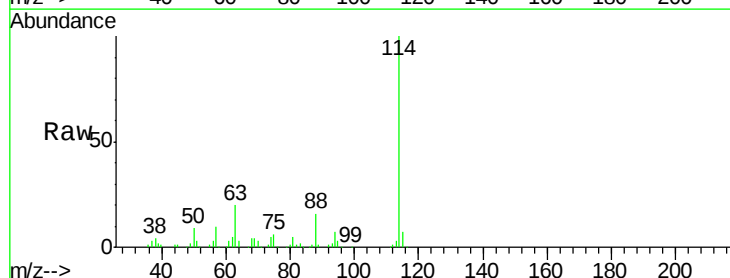
Tgt Ion: 114 Resp: 217934

Ion Ratio Lower Upper

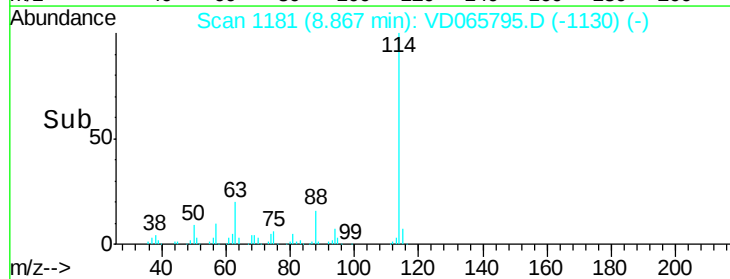
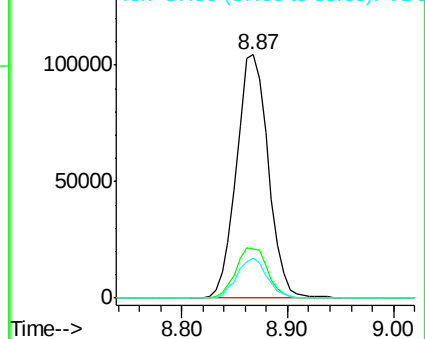
114 100

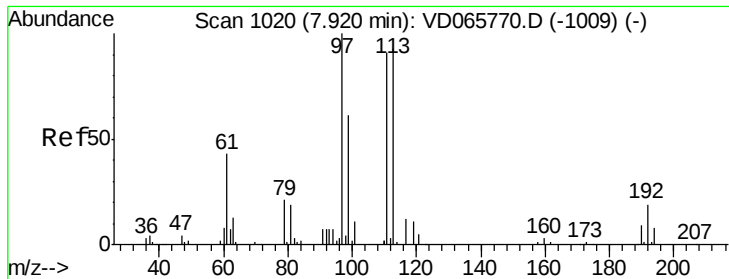
63 20.2 0.0 41.8

88 16.3 0.0 32.0



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

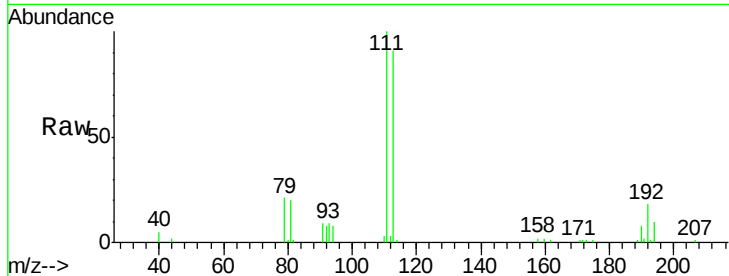




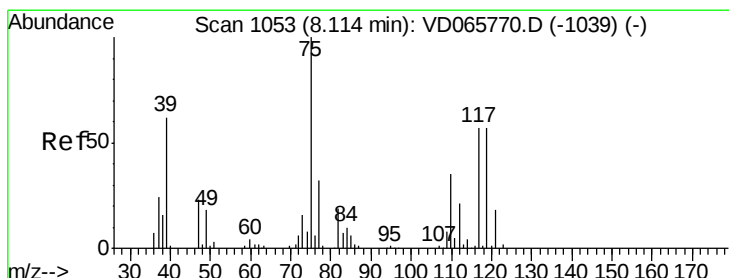
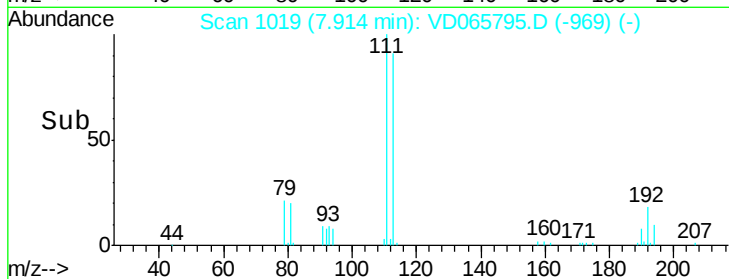
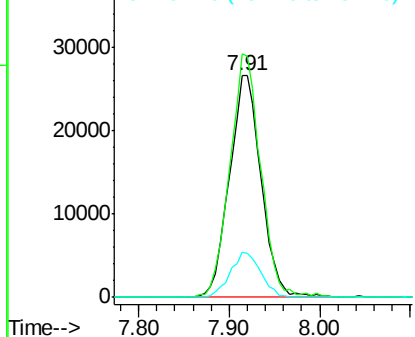
#35
 Dibromofluoromethane
 Concen: 46.891 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065795.D
 Acq: 12 Jun 2020 14:40

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 64550
 Ion Ratio Lower Upper
 113 100
 111 106.2 83.4 125.0
 192 19.3 15.7 23.5

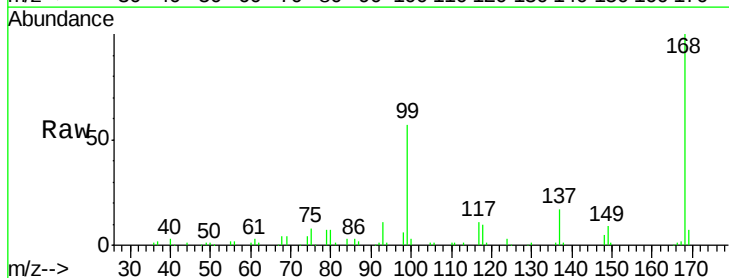


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

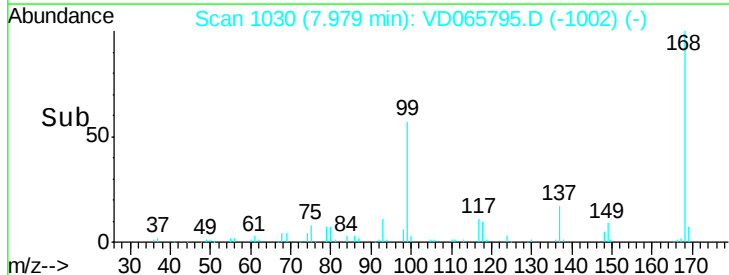
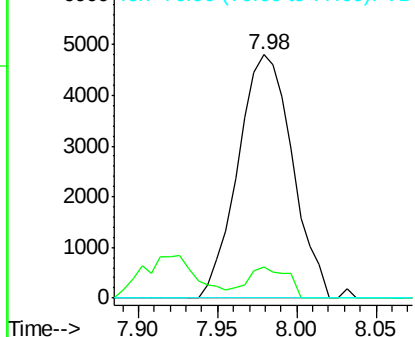


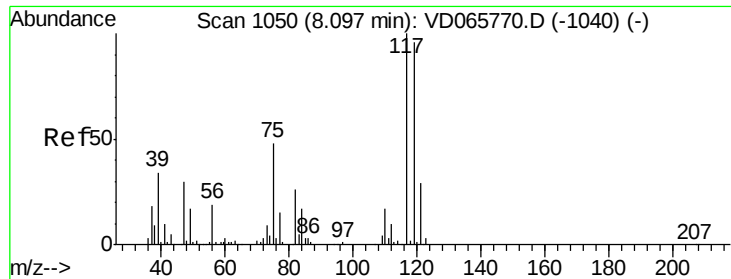
#36
 1,1-Dichloropropene
 Concen: 5.466 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065795.D
 Acq: 12 Jun 2020 14:40

Tgt Ion: 75 Resp: 11412
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.6 52.8#
 77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 6.493 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065795.D

Acq: 12 Jun 2020 14:40

Instrument :

MSVOA_D

ClientSampleId :

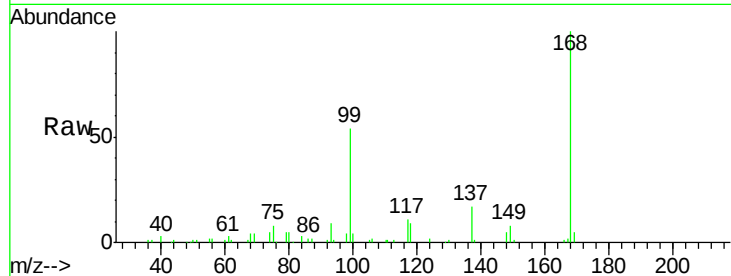
Tot Ion:117 Resp: 14265

Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

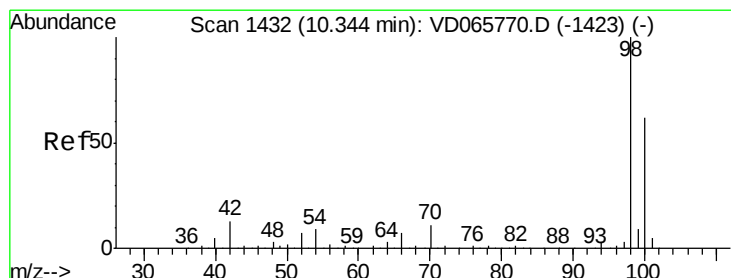
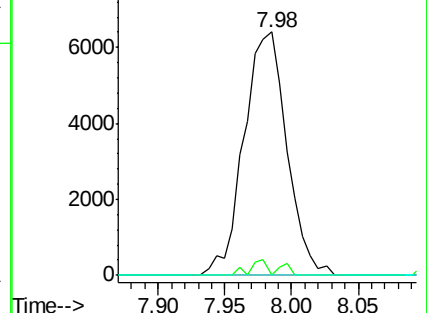
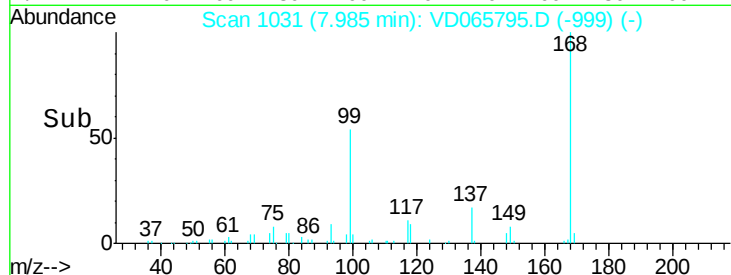
121 0.0 23.4 35.2#



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: 44.303 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065795.D

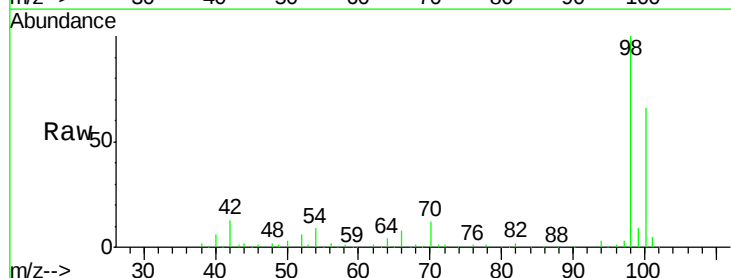
Acq: 12 Jun 2020 14:40

Tgt Ion: 98 Resp: 227414

Ion Ratio Lower Upper

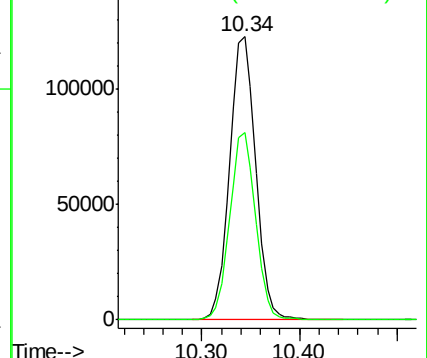
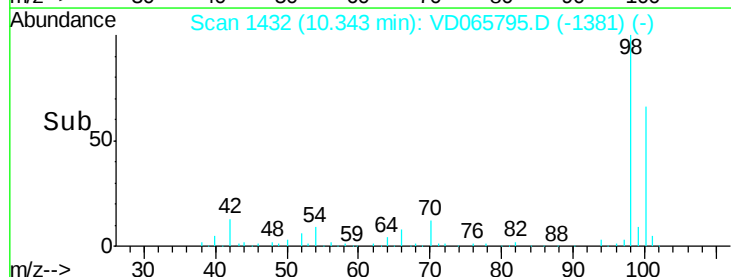
98 100

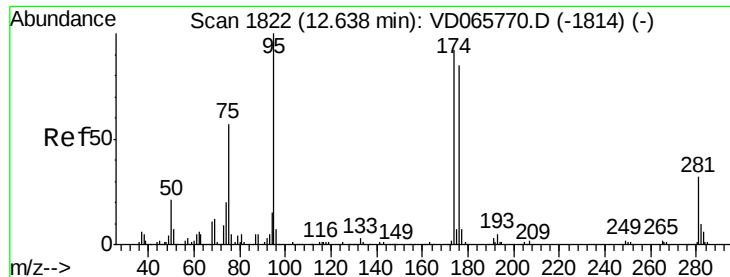
100 65.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

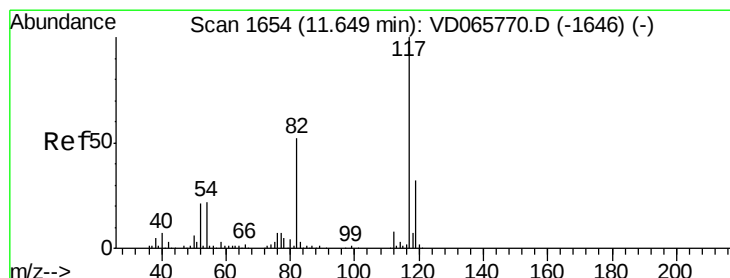
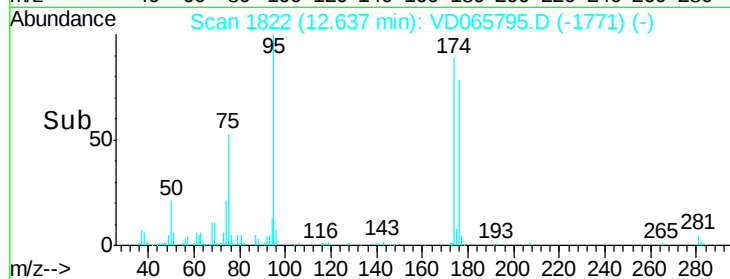
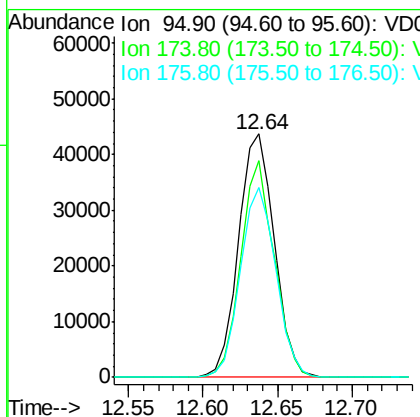
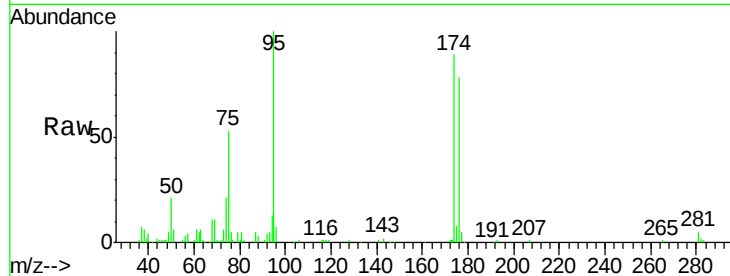




#62
4-Bromofluorobenzene
Concen: 41.837 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065795.D
Acq: 12 Jun 2020 14:40

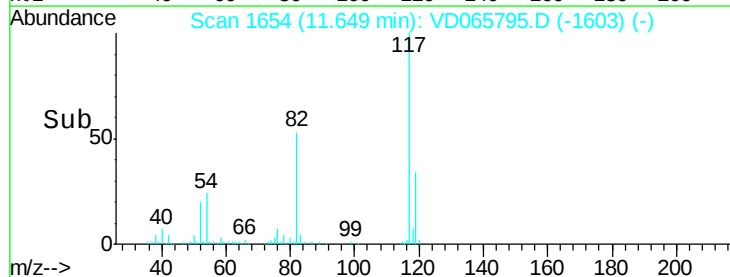
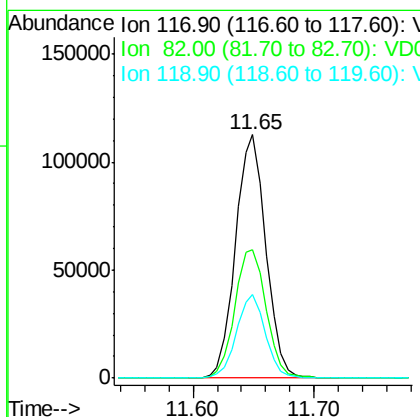
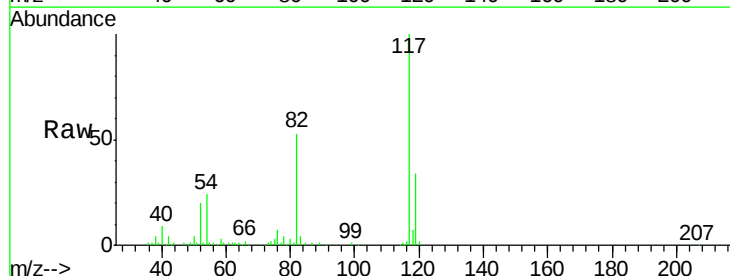
Instrument :
MSVOA_D
ClientSampleId :

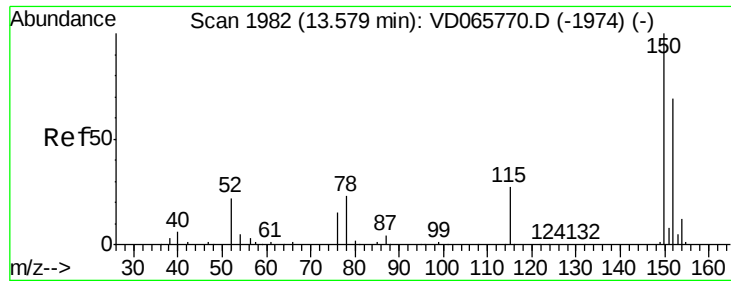
Tot Ion: 95 Resp: 72831
Ion Ratio Lower Upper
95 100
174 83.1 0.0 175.2
176 77.1 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065795.D
Acq: 12 Jun 2020 14:40

Tgt Ion: 117 Resp: 196884
Ion Ratio Lower Upper
117 100
82 52.6 41.9 62.9
119 34.2 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: VD065795.D

Acq: 12 Jun 2020 14:40

Instrument :

MSVOA_D

ClientSampleId :

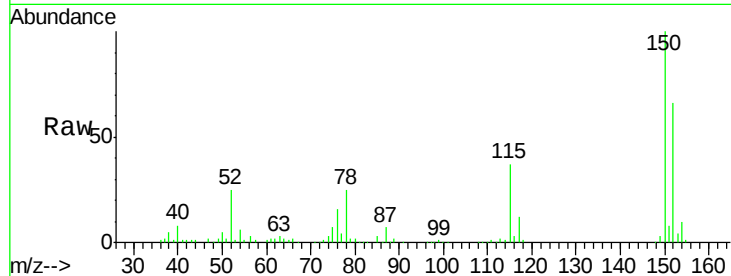
Tot Ion:152 Resp: 89393

Ion Ratio Lower Upper

152 100

115 55.8 28.7 86.1

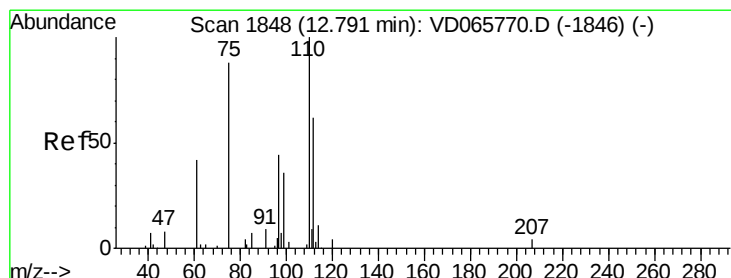
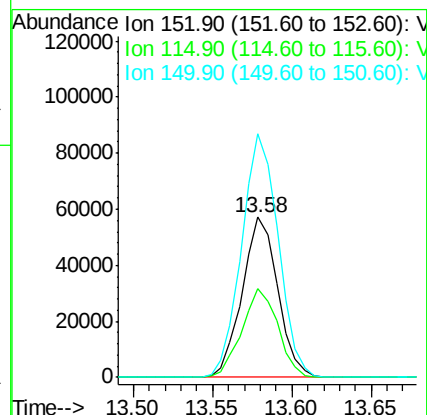
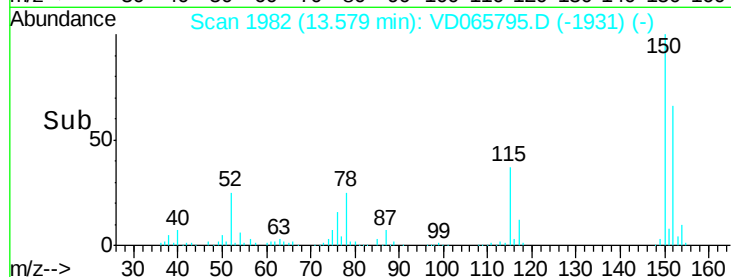
150 156.1 0.0 348.0



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: 58.653 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD065795.D

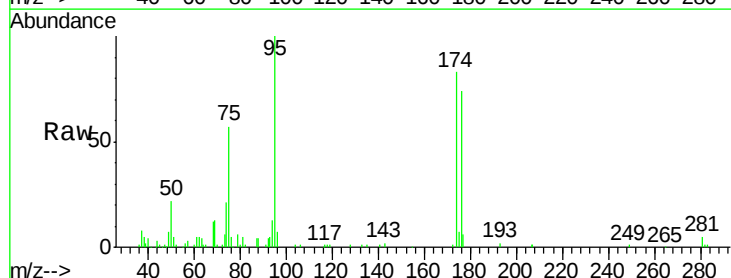
Acq: 12 Jun 2020 14:40

Tgt Ion: 75 Resp: 40777

Ion Ratio Lower Upper

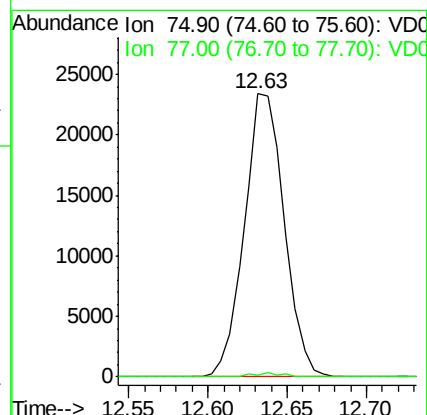
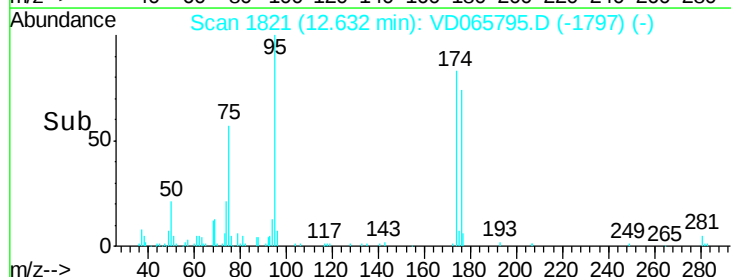
75 100

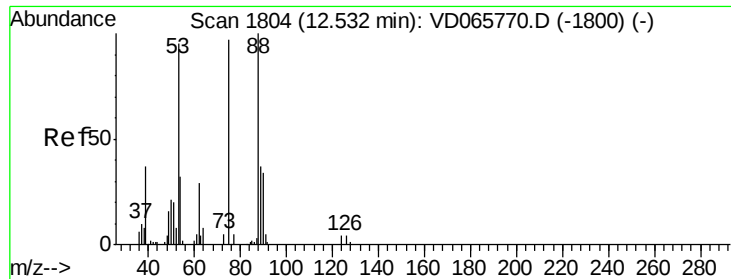
77 1.1 0.0 0.0#



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: 126.727 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065795.D

Acq: 12 Jun 2020 14:40

Instrument :

MSVOA_D

ClientSampleId :

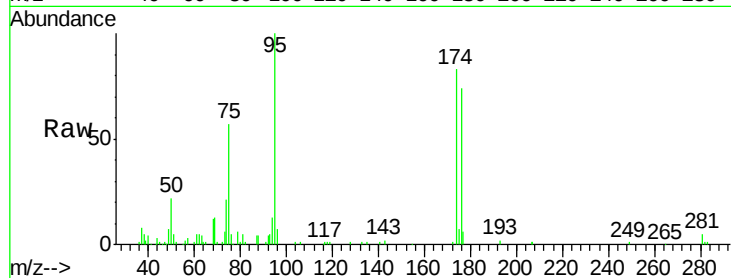
Tot Ion: 75 Resp: 40777

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

