

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066685.D
 Acq On : 14 Sep 2020 22:26
 Operator : VA/SY
 Sample : L3993-01
 Misc : 6.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 02:41:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	707885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	662943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280888	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	242696	52.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.60%	
35) Dibromofluoromethane	7.91	113	239124	50.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.14%	
50) Toluene-d8	10.34	98	873292	51.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.63	95	286427	50.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.22%	

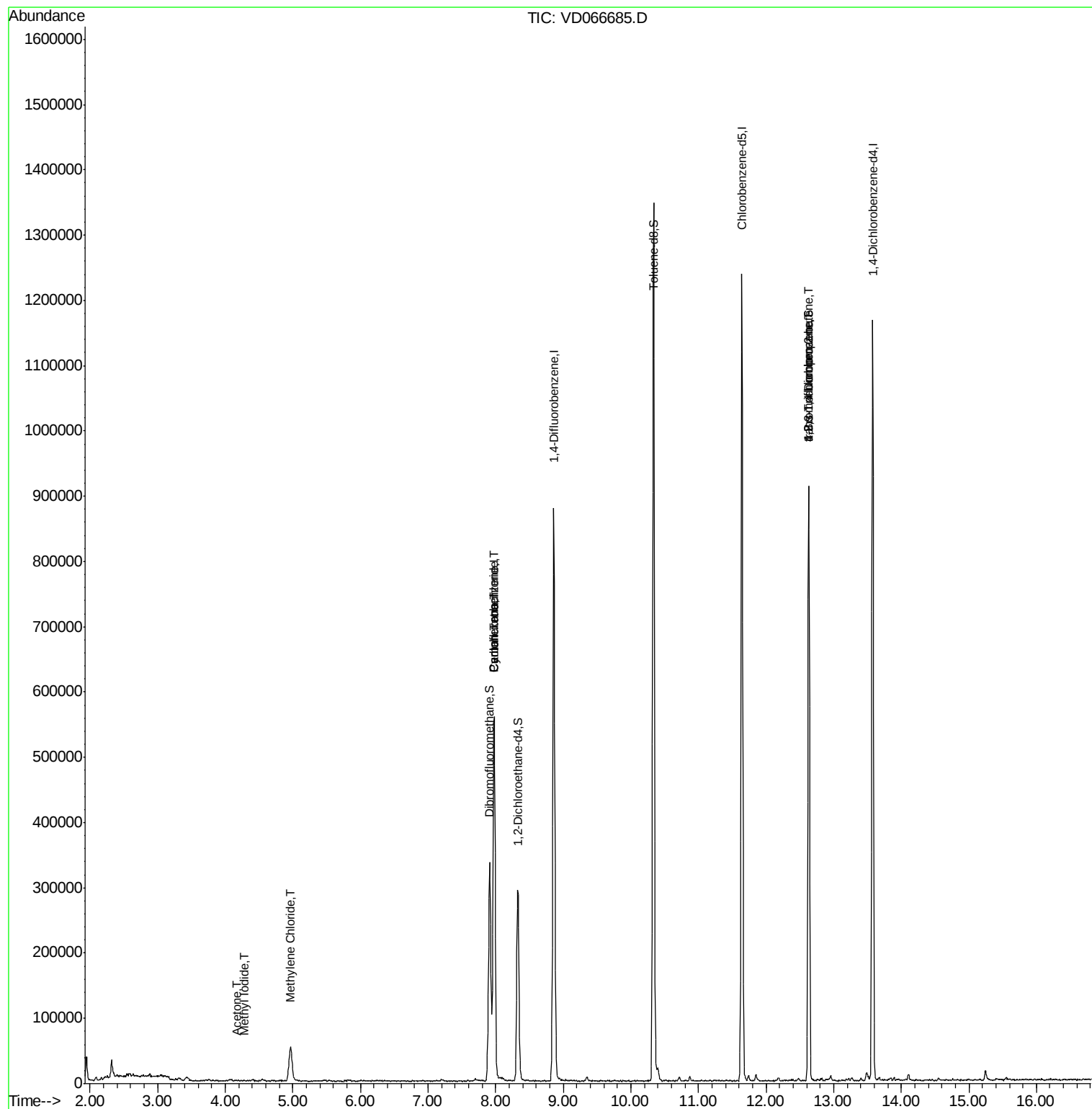
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	773	Below Cal	#	55
5) Bromomethane	2.79	94	1202	Below Cal	#	68
10) Methyl Iodide	4.29	142	291	4.092	ug/l #	35
16) Acetone	4.17	43	1069	1.264	ug/l #	46
20) Methylene Chloride	4.96	84	38889	2.096	ug/l #	84
31) Cyclohexane	7.98	56	12349	1.647	ug/l #	24
38) Carbon Tetrachloride	7.97	117	45416	5.832	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	162468	60.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	162468	140.411	ug/l #	7

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 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: VD066685.D

Acq: 14 Sep 2020 22:26

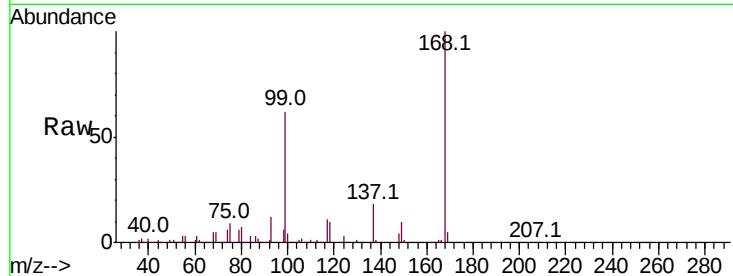
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 379929

Ion Ratio Lower Upper

168 100

99 62.3 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

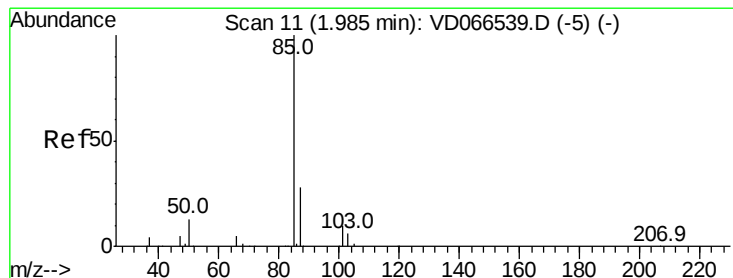
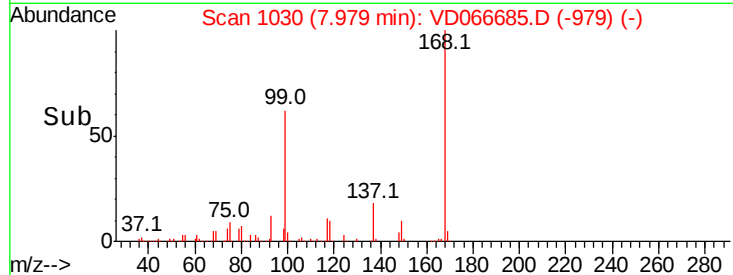
100000

50000

0

7.98

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066685.D

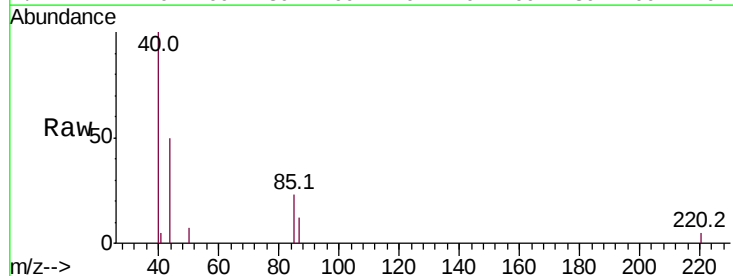
Acq: 14 Sep 2020 22:26

Tgt Ion: 85 Resp: 773

Ion Ratio Lower Upper

85 100

87 52.1 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

800

600

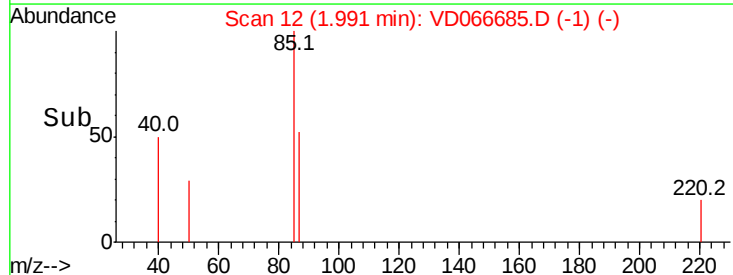
400

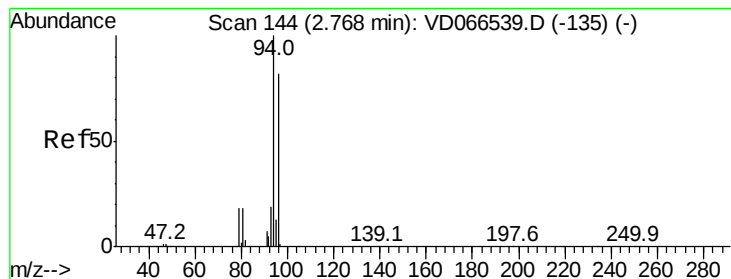
200

0

1.99

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD066685.D

Acq: 14 Sep 2020 22:26

Instrument :

MSVOA_D

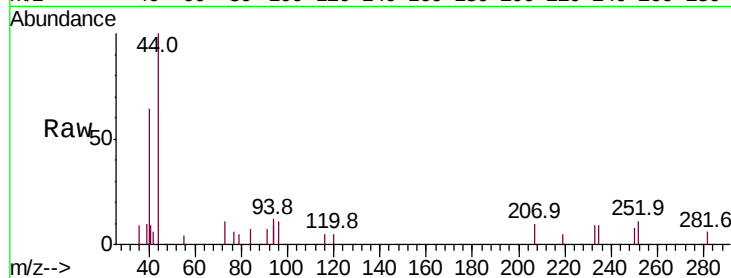
ClientSampleId :

Tot Ion: 94 Resp: 1202

Ion Ratio Lower Upper

94 100

96 53.0 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

2.75 2.80

Time-->

Abundance

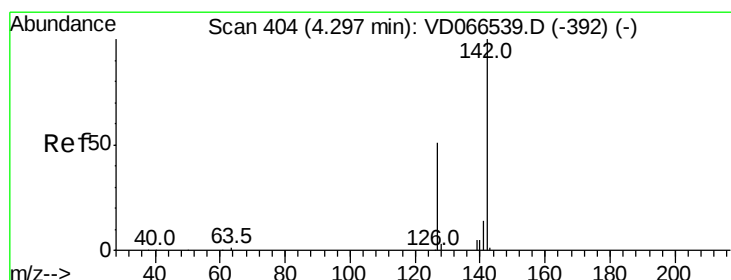
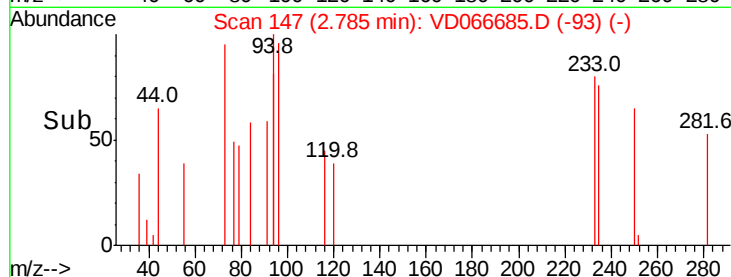
Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

2.75 2.80

Time-->



#10

Methyl Iodide

Concen: 4.092 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD066685.D

Acq: 14 Sep 2020 22:26

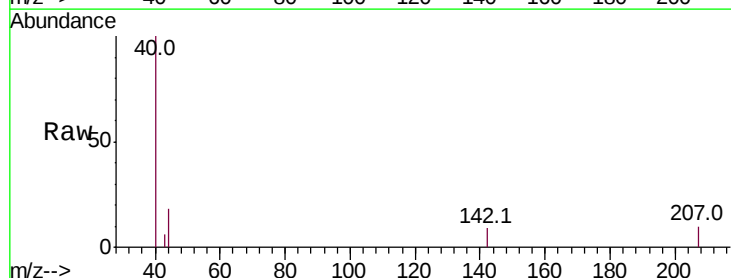
Tgt Ion: 142 Resp: 291

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



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

4.29

4.26 4.28 4.30 4.32

Time-->

Abundance

Ion 141.80 (141.50 to 142.50): V

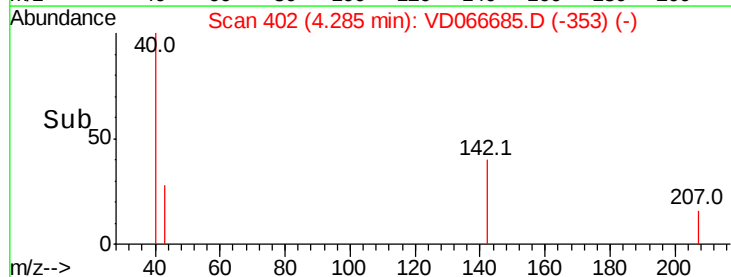
Ion 126.80 (126.50 to 127.50): V

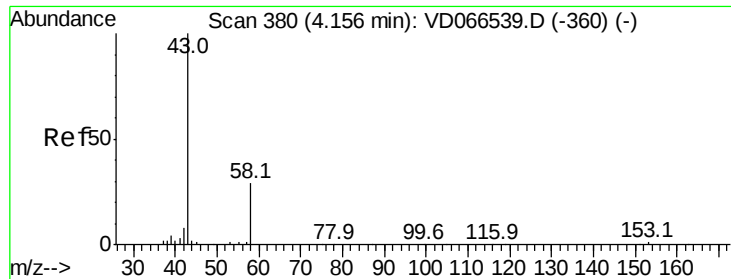
Ion 140.80 (140.50 to 141.50): V

4.29

4.26 4.28 4.30 4.32

Time-->





#16

Acetone

Concen: 1.264 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066685.D

Acq: 14 Sep 2020 22:26

Instrument :

MSVOA_D

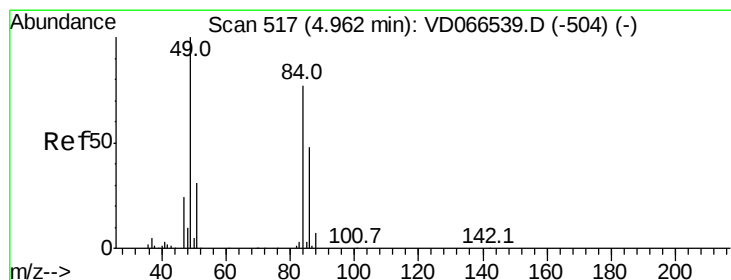
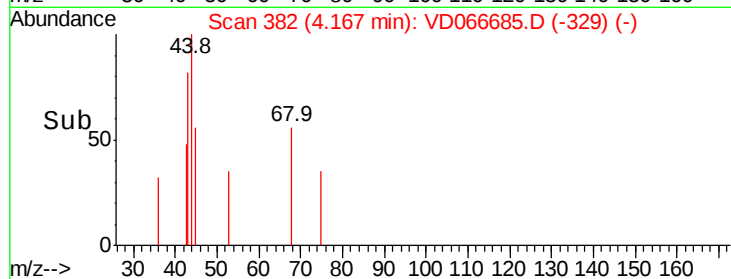
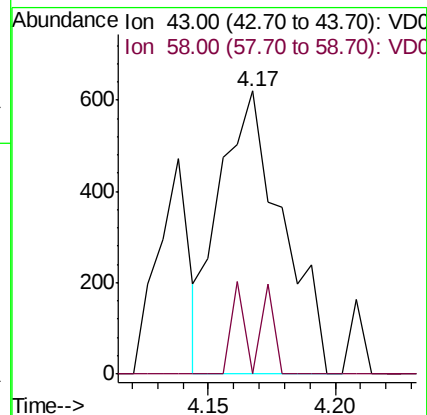
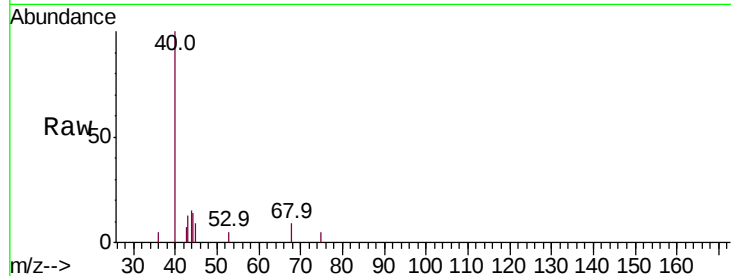
ClientSampleId :

Tot Ion: 43 Resp: 1069

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



#20

Methylene Chloride

Concen: 2.096 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066685.D

Acq: 14 Sep 2020 22:26

Tgt Ion: 84 Resp: 38889

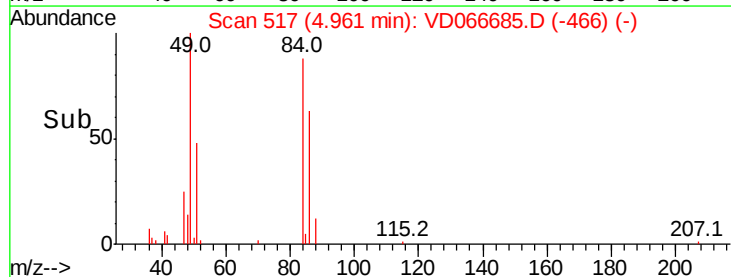
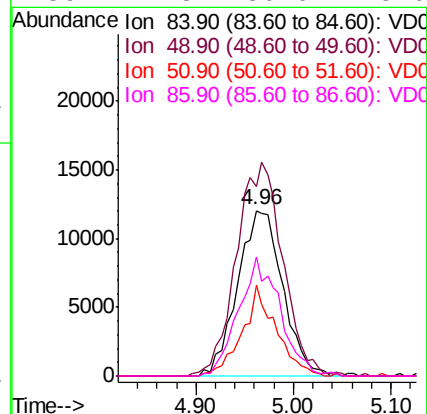
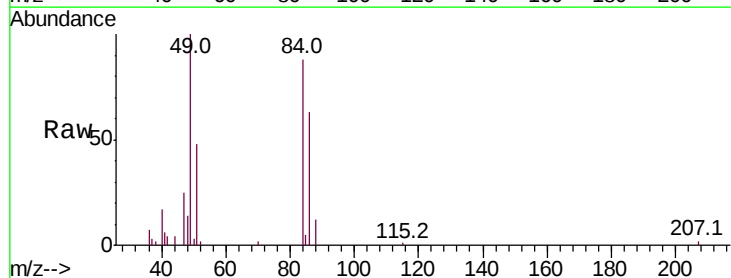
Ion Ratio Lower Upper

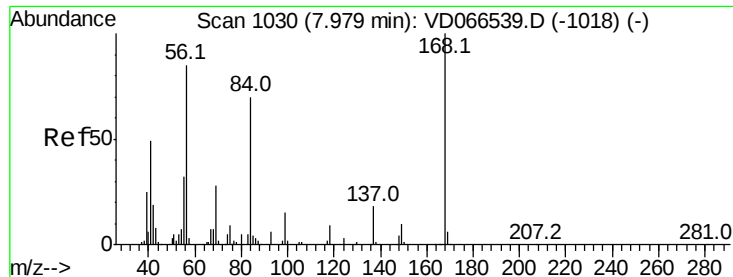
84 100

49 112.4 104.3 156.5

51 54.8 32.2 48.4#

86 71.8 50.0 75.0

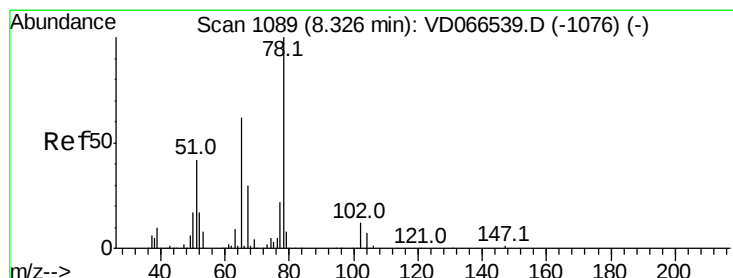
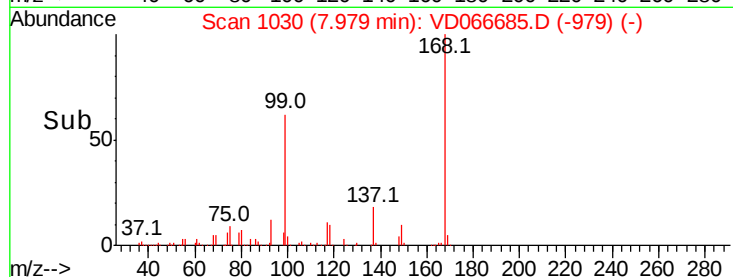
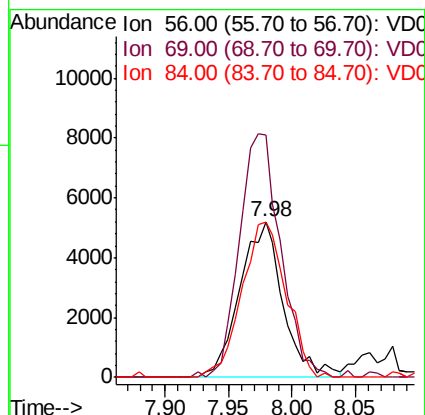
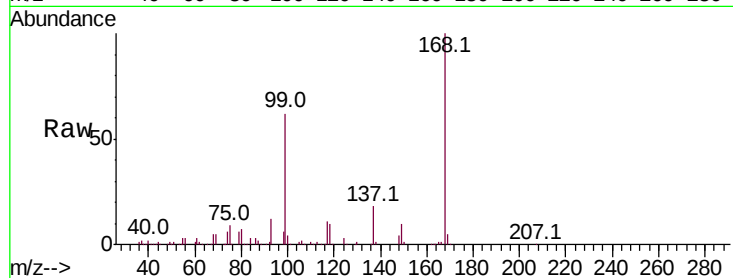




#31
Cyclohexane
Concen: 1.647 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

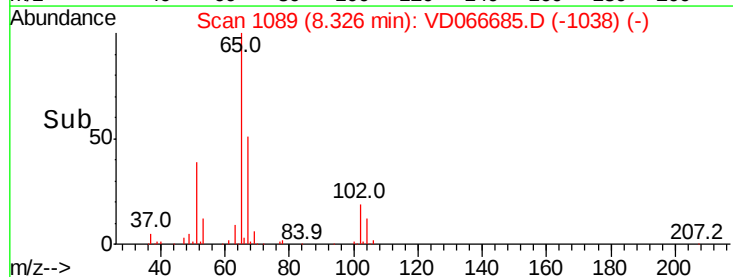
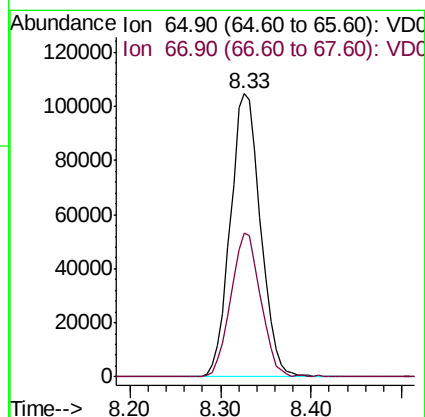
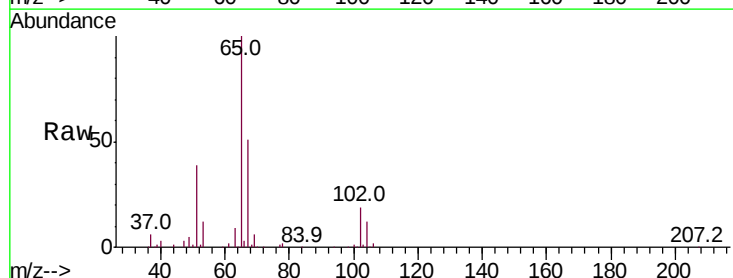
Instrument :
MSVOA_D
ClientSampleID :

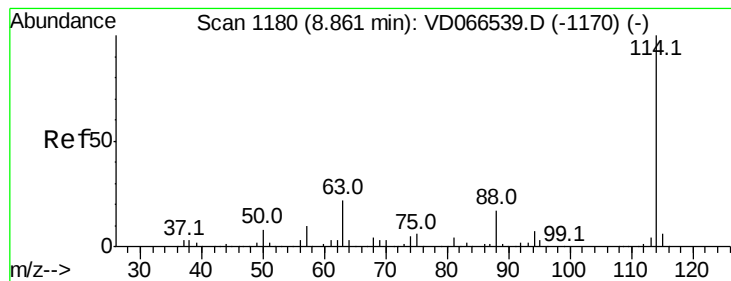
Tot Ion: 56 Resp: 12349
Ion Ratio Lower Upper
56 100
69 155.9 26.3 39.5#
84 99.6 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 52.797 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

Tgt Ion: 65 Resp: 242696
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066685.D

Acq: 14 Sep 2020 22:26

Instrument :

MSVOA_D

ClientSampleId :

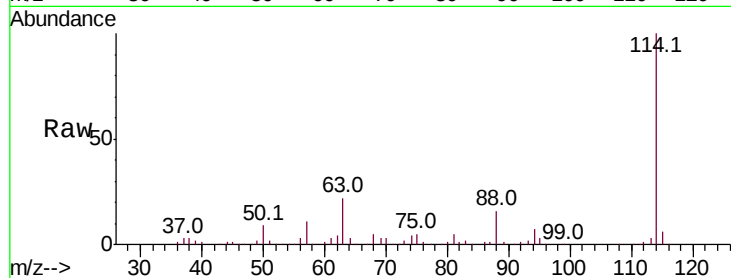
Tot Ion:114 Resp: 707885

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

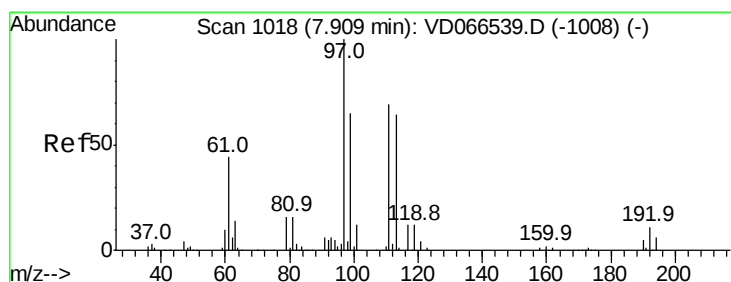
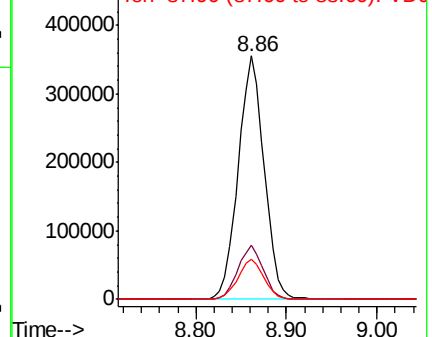
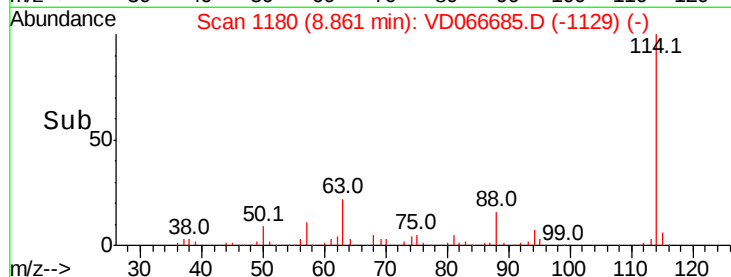
88 16.4 0.0 33.2



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: 50.074 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066685.D

Acq: 14 Sep 2020 22:26

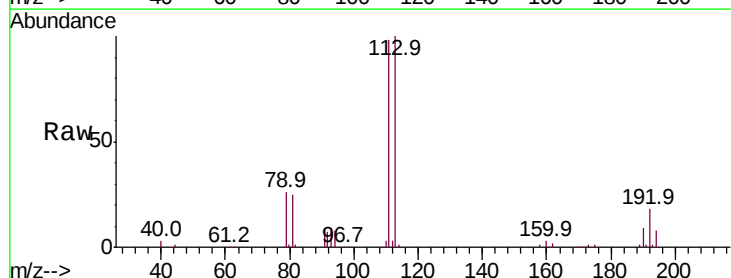
Tgt Ion:113 Resp: 239124

Ion Ratio Lower Upper

113 100

111 101.6 83.2 124.8

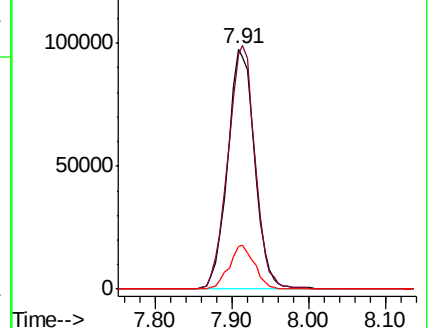
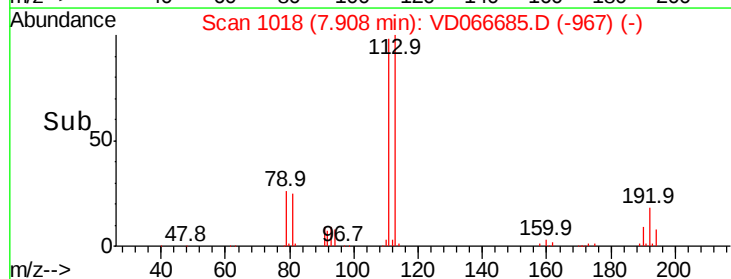
192 17.1 13.7 20.5

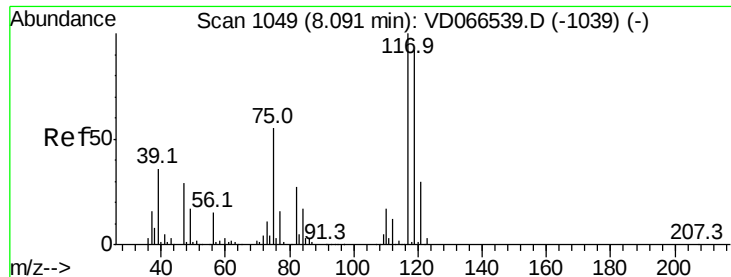


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

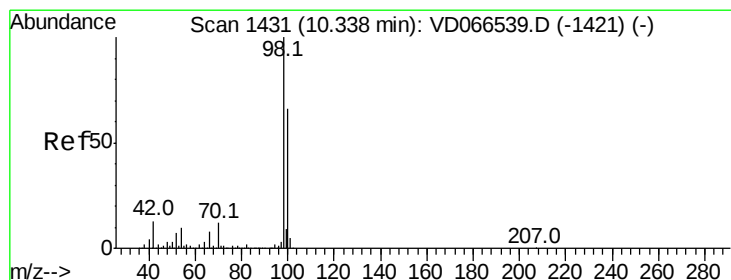
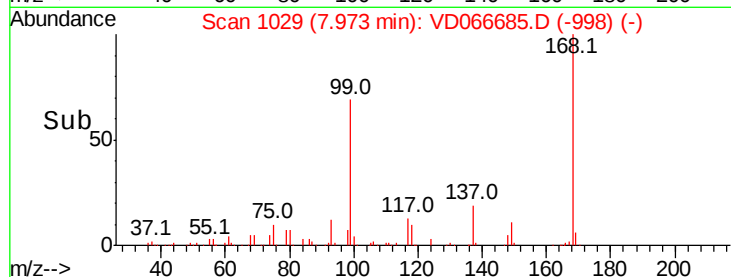
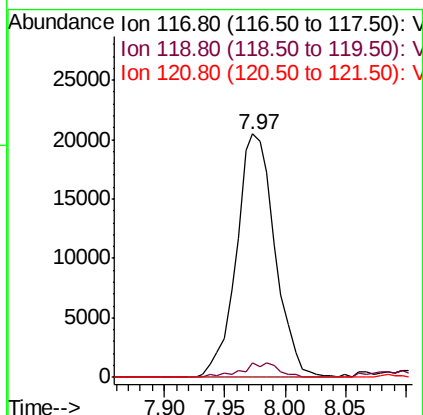
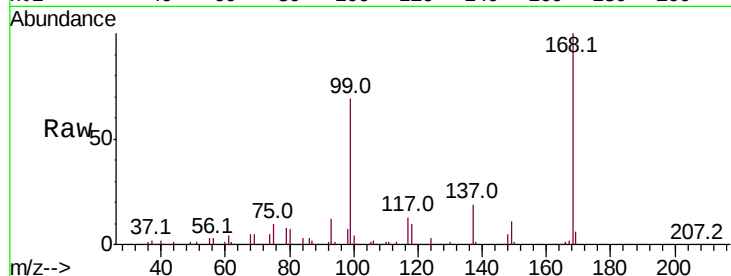




#38
Carbon Tetrachloride
Concen: 5.832 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

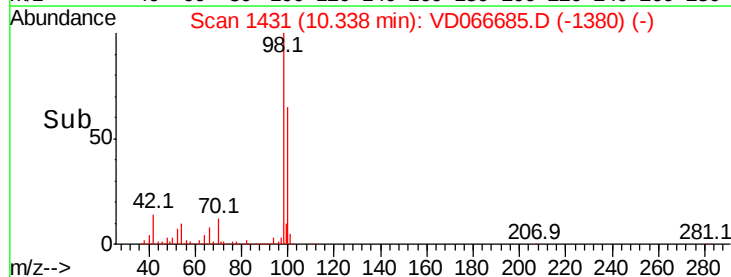
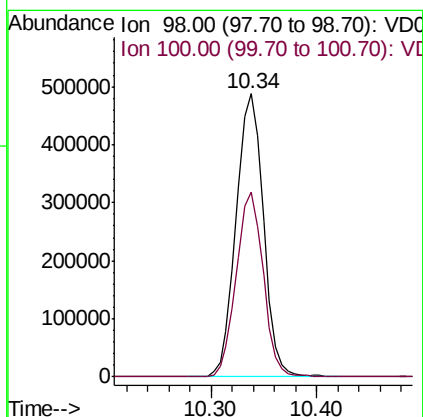
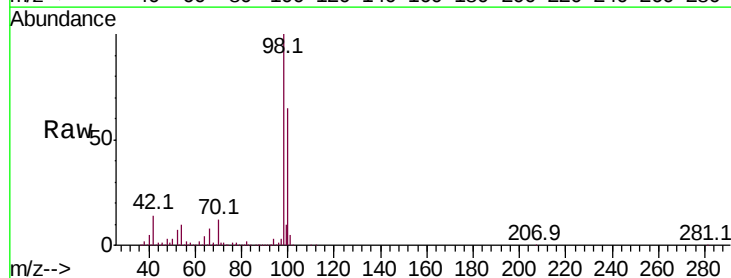
Instrument :
MSVOA_D
ClientSampleId :

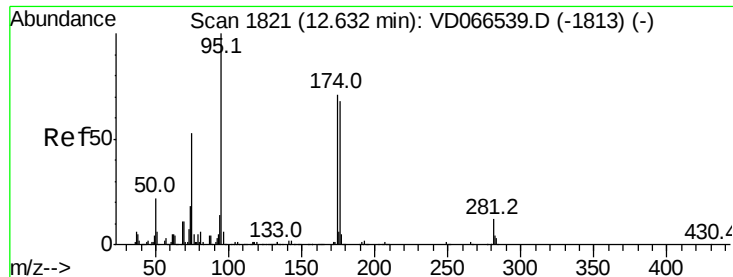
Tot Ion:117 Resp: 45416
Ion Ratio Lower Upper
117 100
119 6.1 73.9 110.9#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 51.165 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

Tgt Ion: 98 Resp: 873292
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3

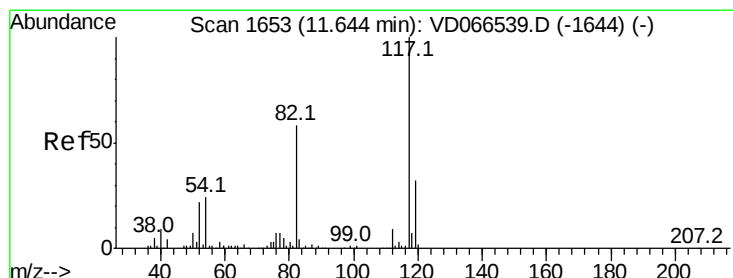
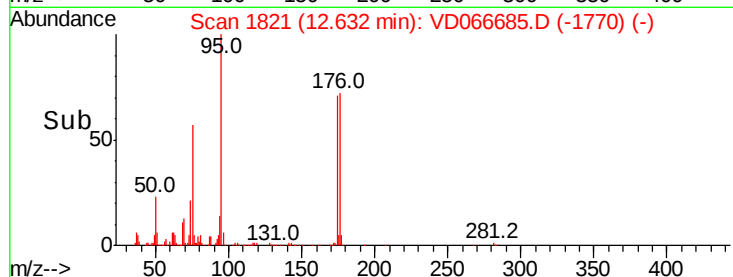
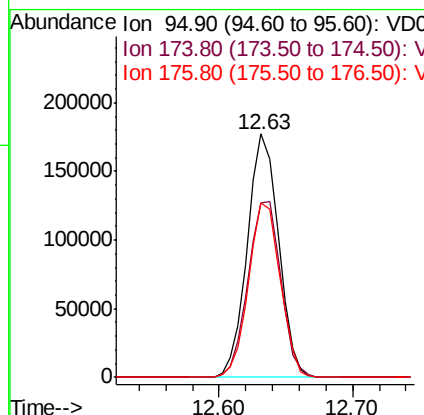
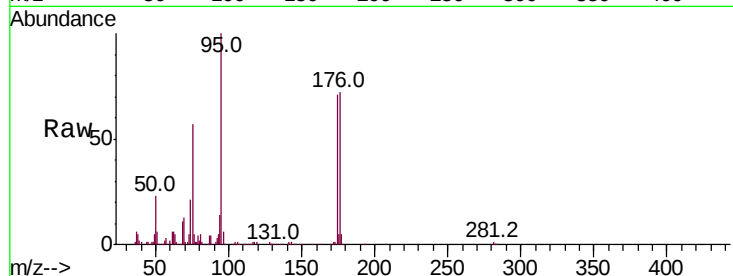




#62
4-Bromofluorobenzene
Concen: 50.609 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

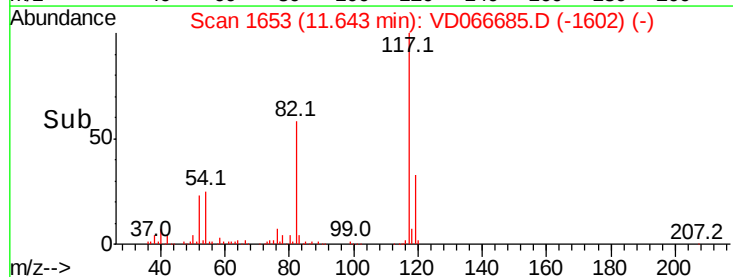
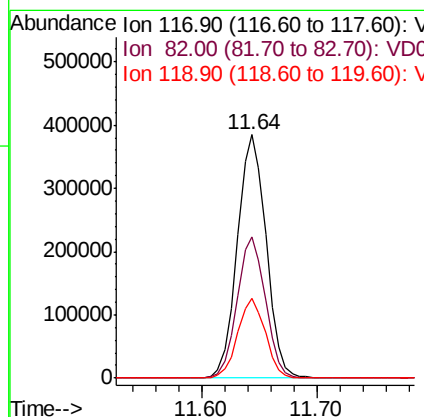
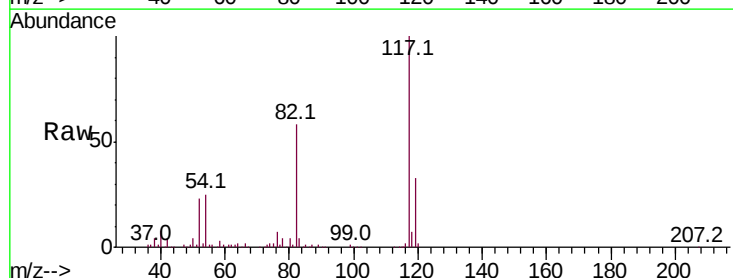
Instrument :
MSVOA_D
ClientSampleId :

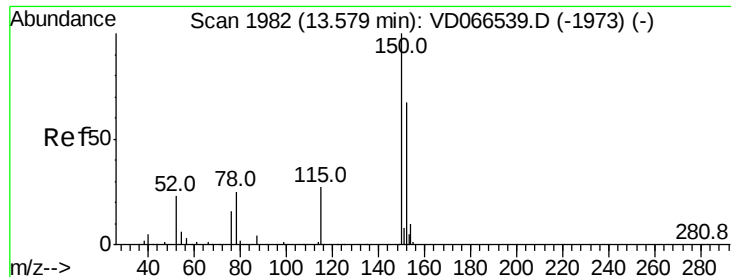
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	155.8
176	72.7	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.2
119	32.6	25.8	38.8



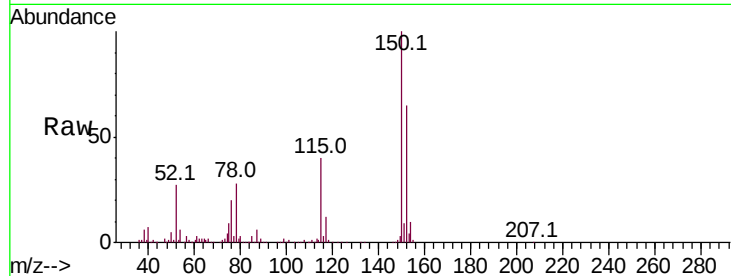


#72

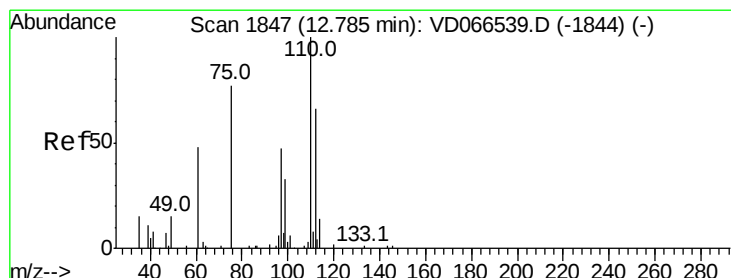
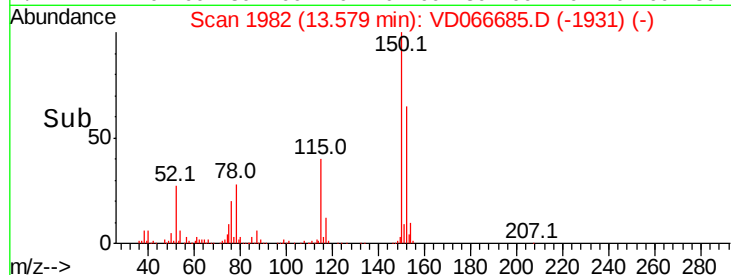
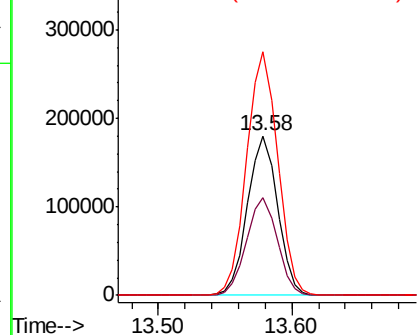
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 280888
Ion Ratio Lower Upper
152 100
115 62.6 30.4 91.2
150 157.7 0.0 345.8



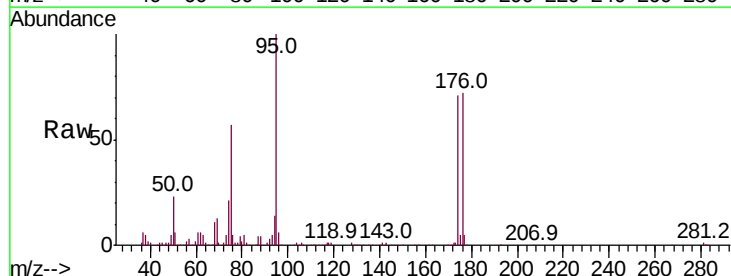
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



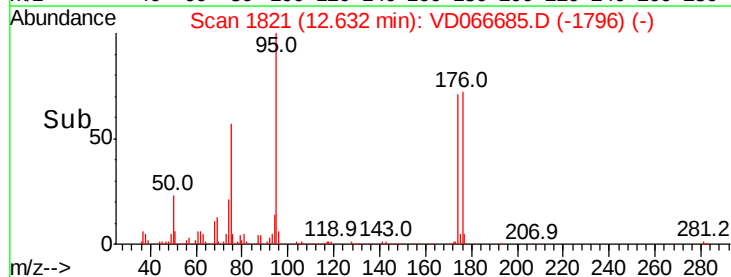
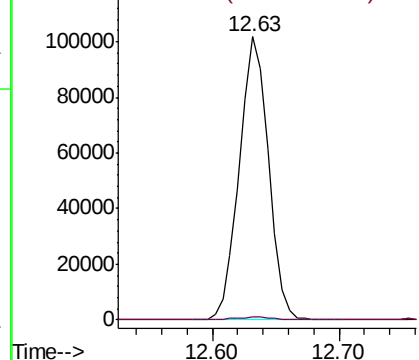
#76

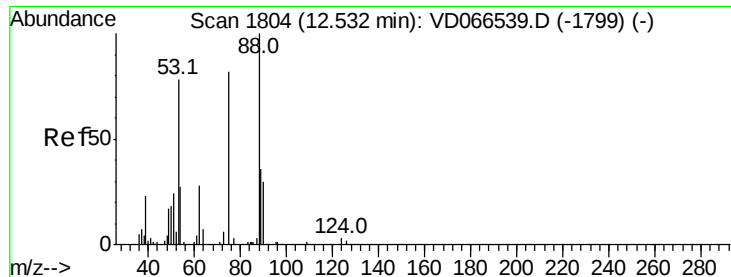
1,2,3-Trichloropropane
Concen: 60.142 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

Tgt Ion: 75 Resp: 162468
Ion Ratio Lower Upper
75 100
77 1.2 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: 140.411 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD066685.D
Acq: 14 Sep 2020 22:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 162468
Ion Ratio Lower Upper
75 100
53 0.2 87.0 130.4#
89 0.0 37.1 55.7#

