

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066648.D
 Acq On : 11 Sep 2020 15:07
 Operator : VA/SY
 Sample : L3937-01RE
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:40:12 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	365229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	647894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	615317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282058	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	243580	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	
35) Dibromofluoromethane	7.91	113	222563	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.34	98	812950	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.63	95	262982	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	

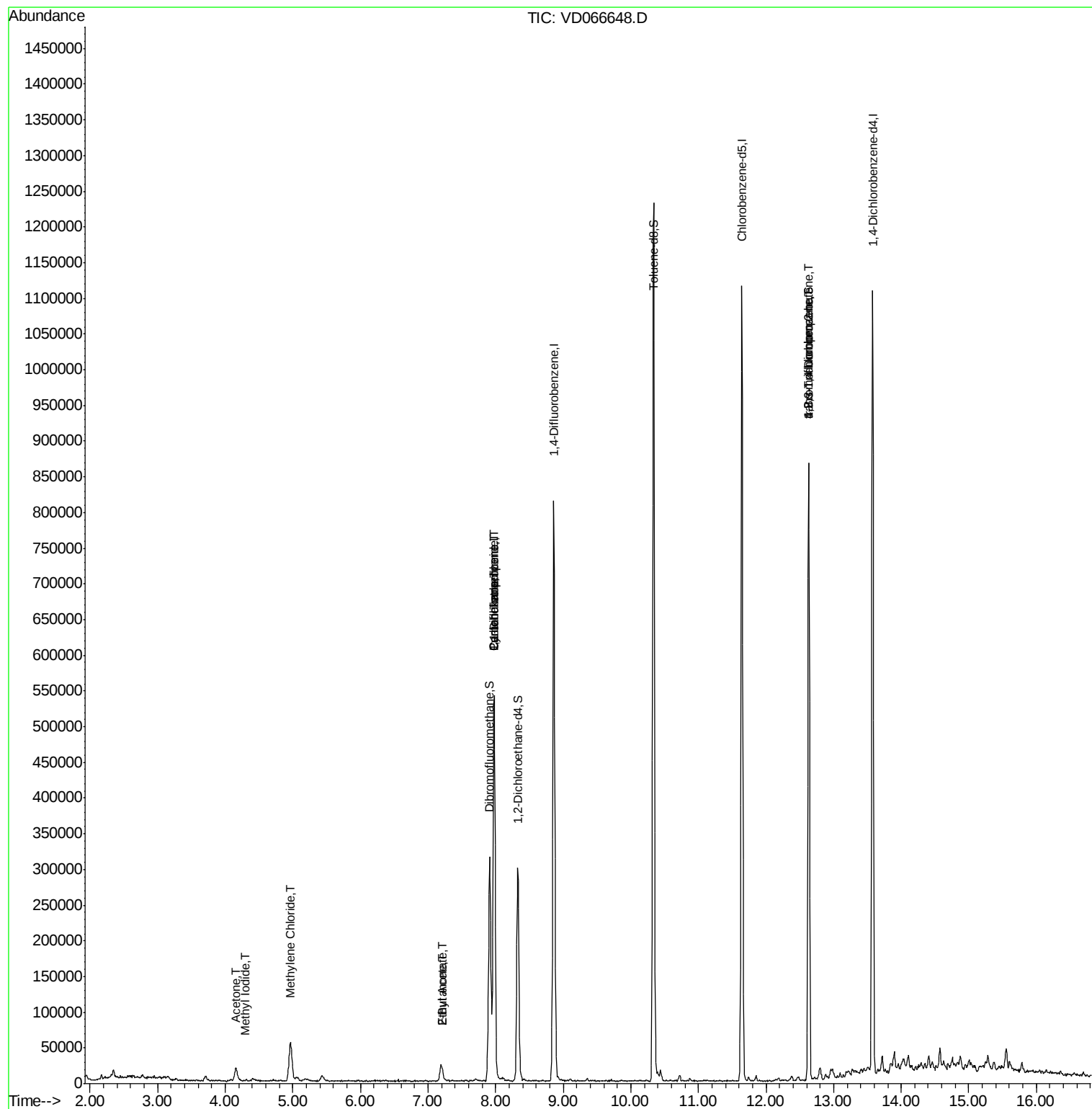
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	567	Below Cal	#	46
5) Bromomethane	2.78	94	2246	Below Cal		88
10) Methyl Iodide	4.30	142	1385	4.364	ug/l #	74
11) Tert butyl alcohol	5.18	59	2070	Below Cal	#	74
16) Acetone	4.16	43	34486	42.415	ug/l	95
20) Methylene Chloride	4.96	84	41362	3.130	ug/l	93
25) 2-Butanone	7.22	43	3979	3.646	ug/l #	90
31) Cyclohexane	7.97	56	10333	1.433	ug/l #	12
36) 1,1-Dichloropropene	7.97	75	34188	5.070	ug/l #	50
37) Ethyl Acetate	7.22	43	3979	1.482	ug/l #	52
38) Carbon Tetrachloride	7.98	117	40390	5.667	ug/l #	20
76) 1,2,3-Trichloropropane	12.63	75	147438	54.352	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147438	126.893	ug/l #	7

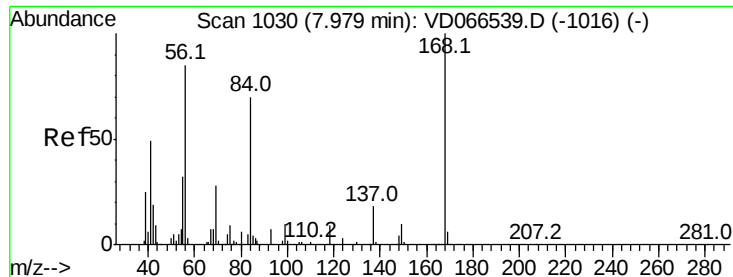
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066648.D

Acq: 11 Sep 2020 15:07

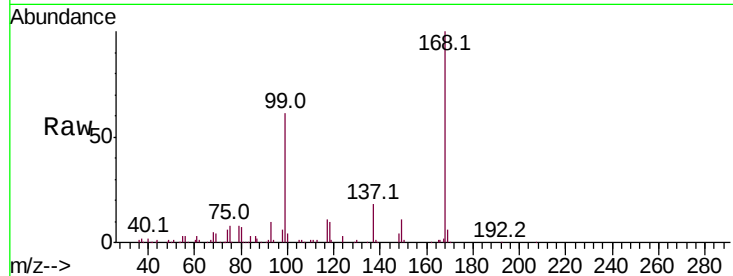
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 365229

Ion Ratio Lower Upper

168 100

99 61.1 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

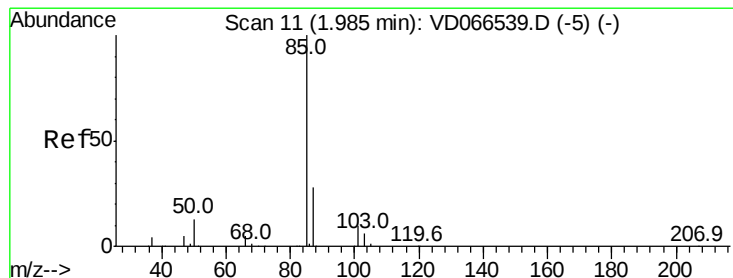
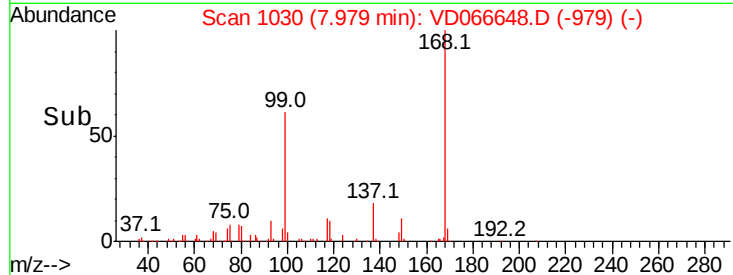
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066648.D

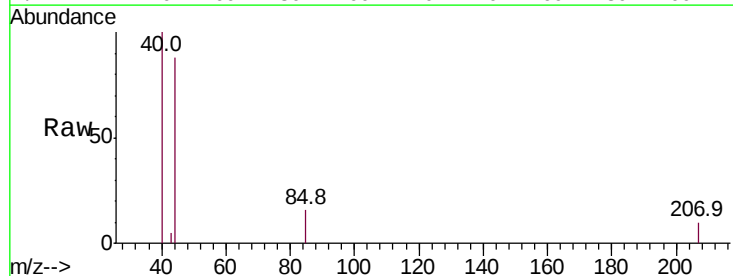
Acq: 11 Sep 2020 15:07

Tgt Ion: 85 Resp: 567

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

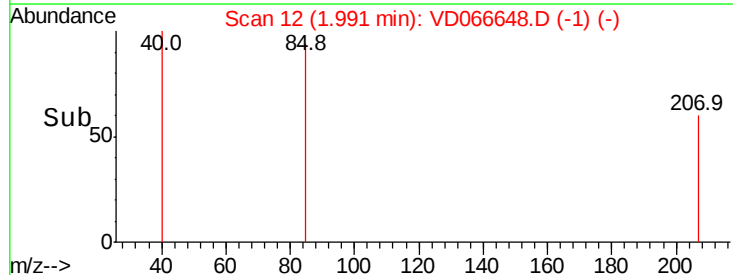
300

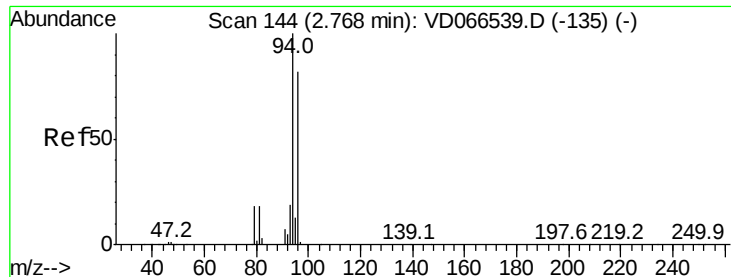
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066648.D

Acq: 11 Sep 2020 15:07

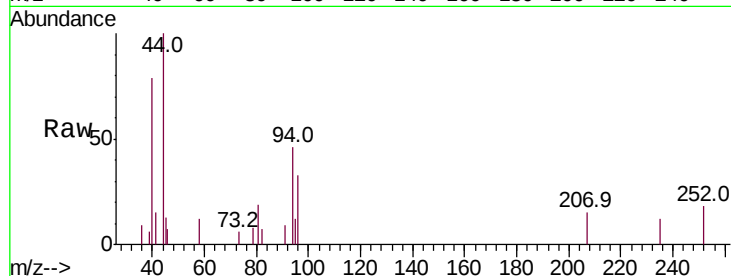
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 2246

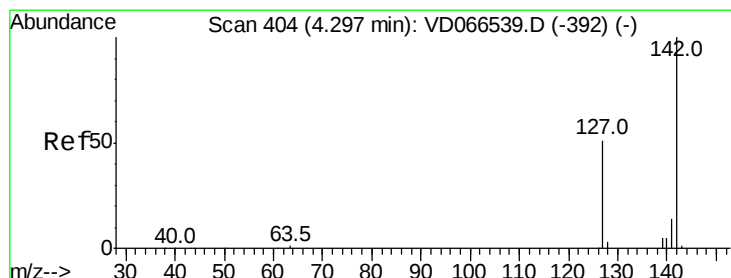
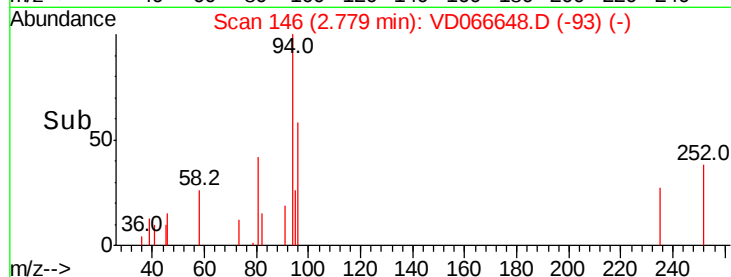
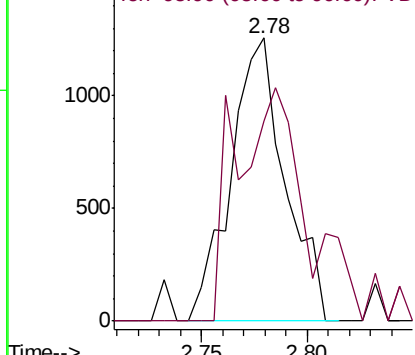
Ion Ratio Lower Upper

94 100

96 70.6 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.364 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066648.D

Acq: 11 Sep 2020 15:07

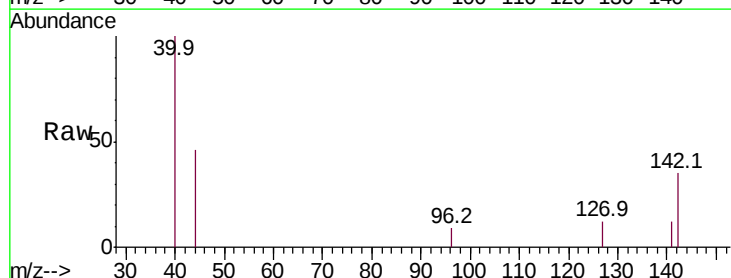
Tgt Ion: 142 Resp: 1385

Ion Ratio Lower Upper

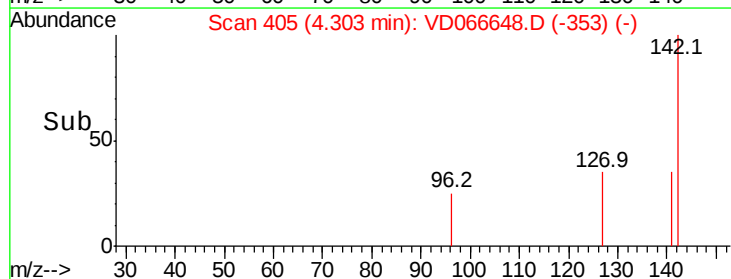
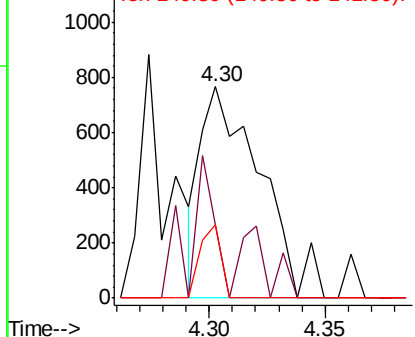
142 100

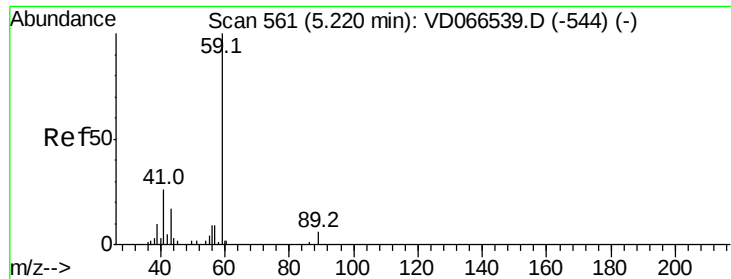
127 28.4 40.6 61.0#

141 12.2 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



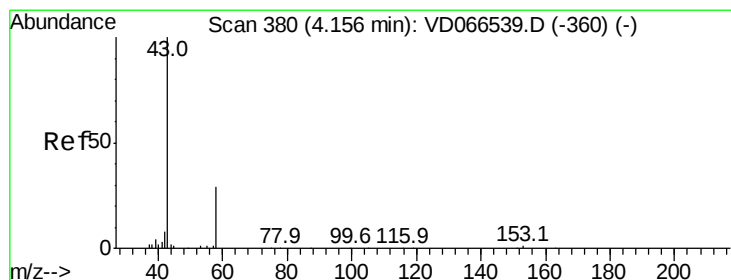
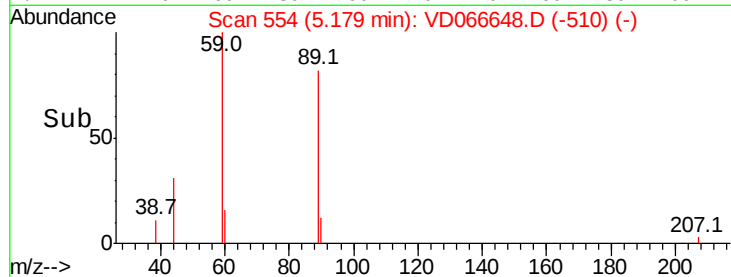
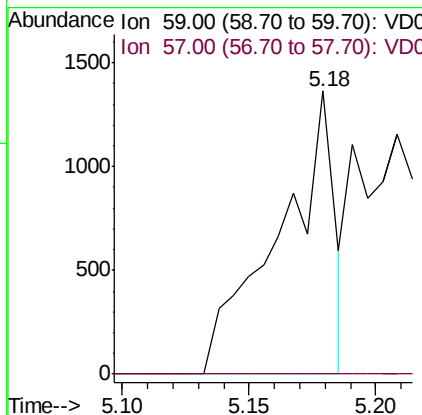
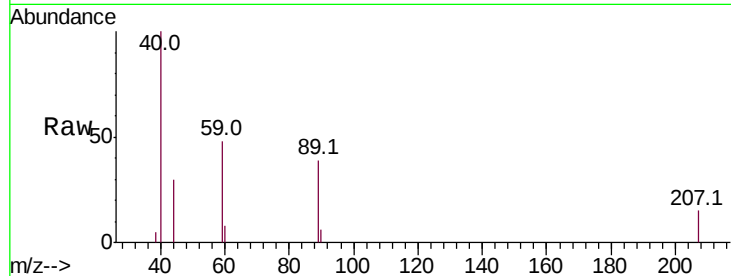


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.04 min
 Lab File: VD066648.D
 Acq: 11 Sep 2020 15:07

Instrument :
 MSVOA_D
 ClientSampleId :

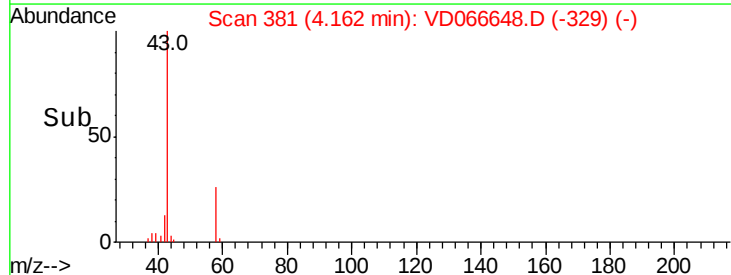
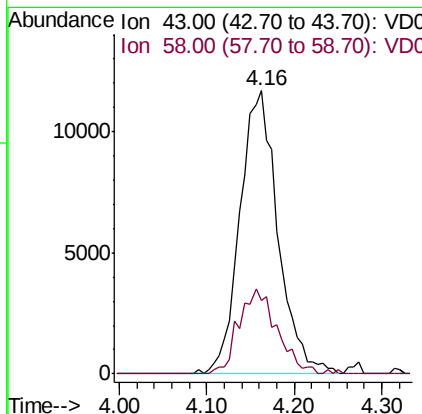
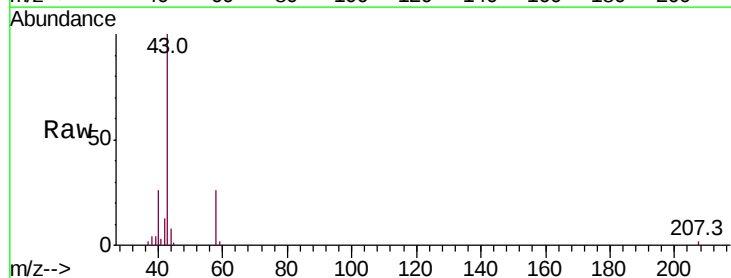
Tot Ion: 59 Resp: 2070
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

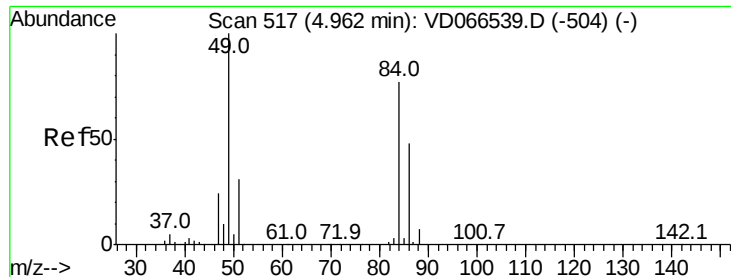


#16

Acetone
 Concen: 42.415 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066648.D
 Acq: 11 Sep 2020 15:07

Tgt Ion: 43 Resp: 34486
 Ion Ratio Lower Upper
 43 100
 58 25.8 22.9 34.3

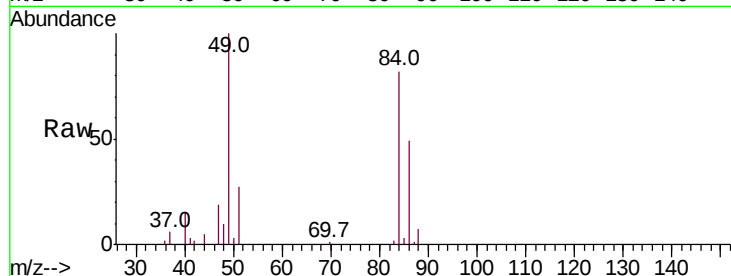




#20
Methvlene Chloride
Concen: 3.130 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	41362
Ion	Ratio	Lower	Upper
84	100		
49	122.3	104.3	156.5
51	32.9	32.2	48.4
86	60.0	50.0	75.0



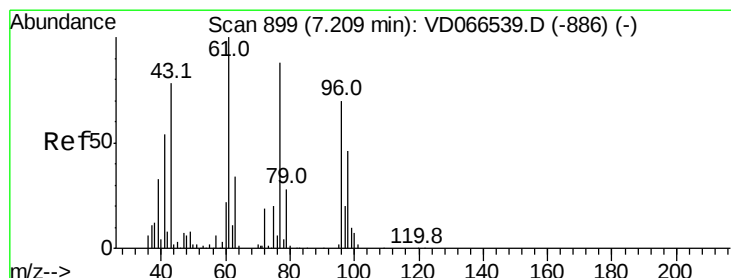
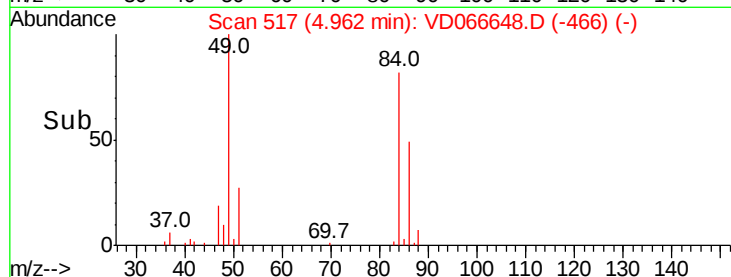
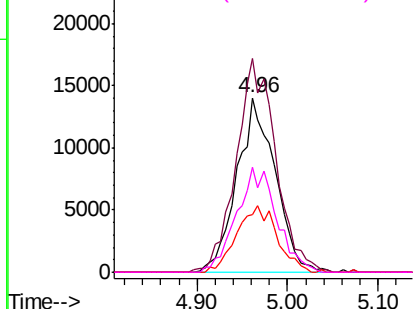
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

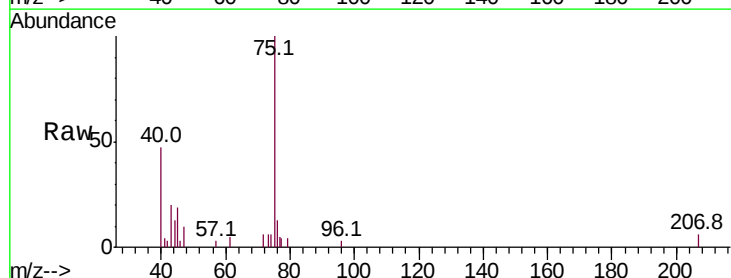
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 3.646 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

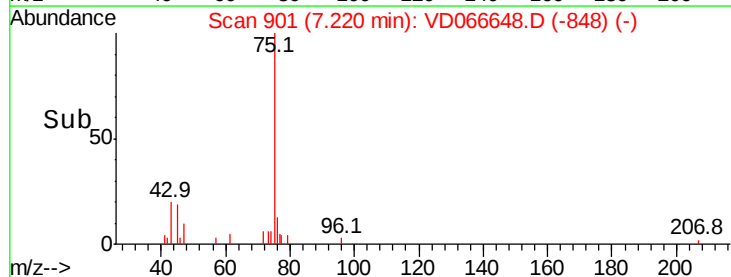
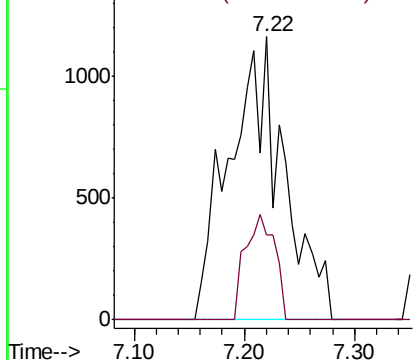
Tgt Ion:	43	Resp:	3979
Ion	Ratio	Lower	Upper
43	100		
72	29.8	19.8	29.6#

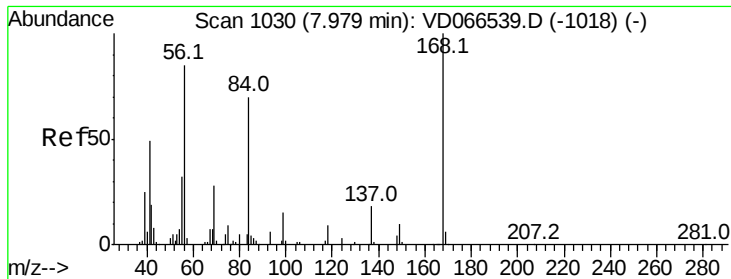


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

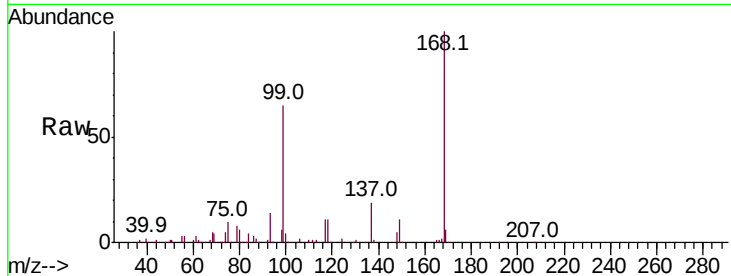




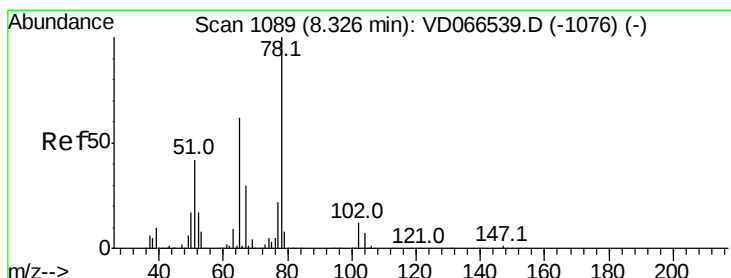
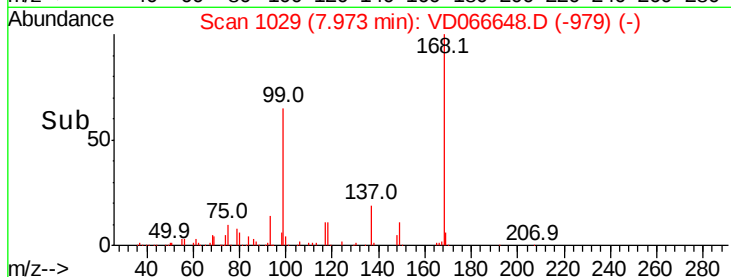
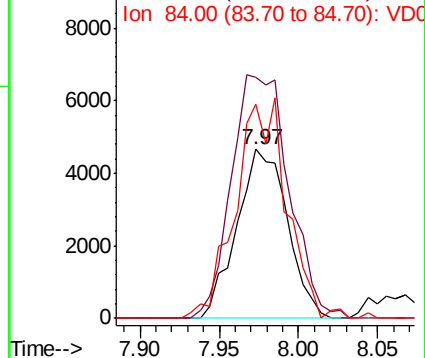
#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 10333
Ion Ratio Lower Upper
56 100
69 142.7 26.3 39.5#
84 123.2 66.1 99.1#

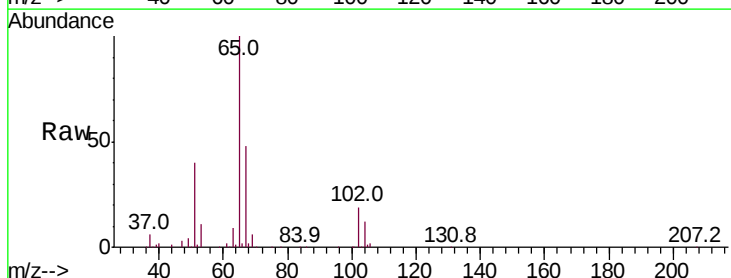


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

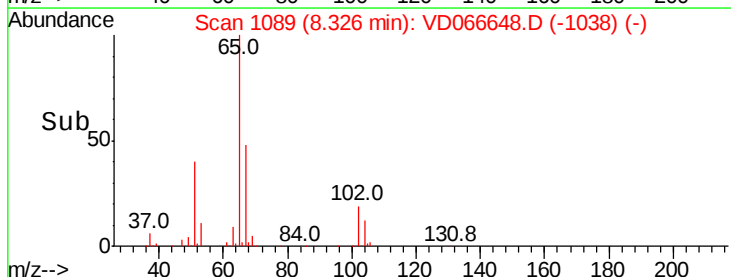
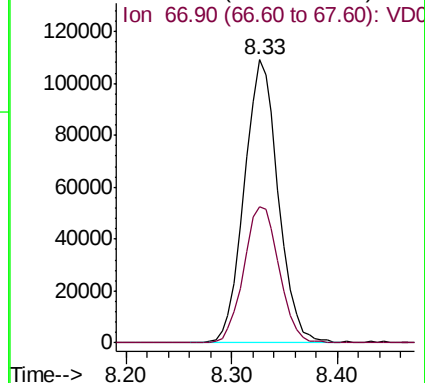


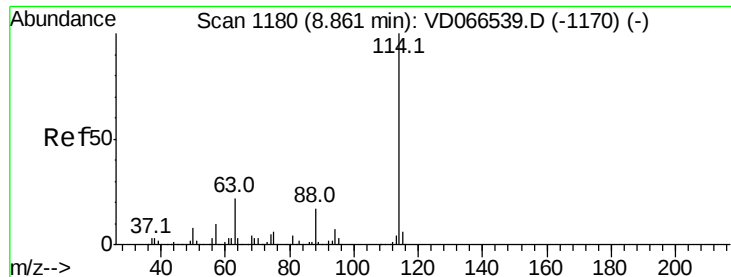
#33
1,2-Dichloroethane-d4
Concen: 55.122 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Tgt Ion: 65 Resp: 243580
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.8



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

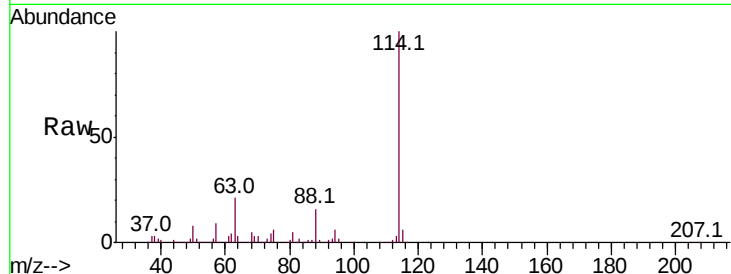




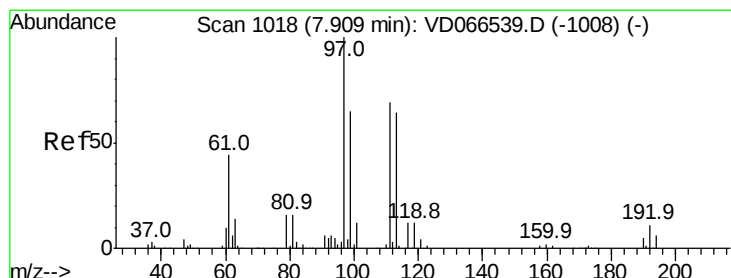
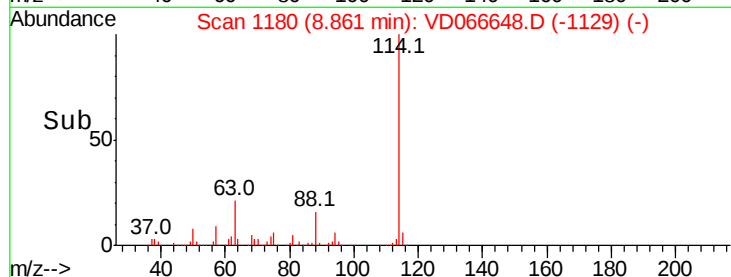
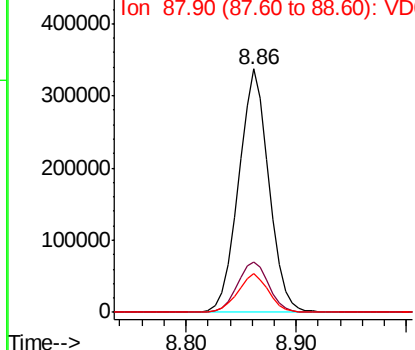
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 647894
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.2
88 16.1 0.0 33.2

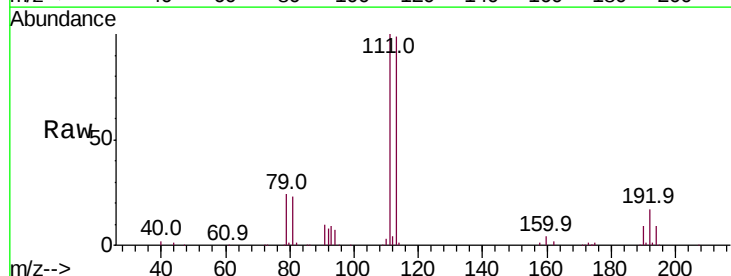


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

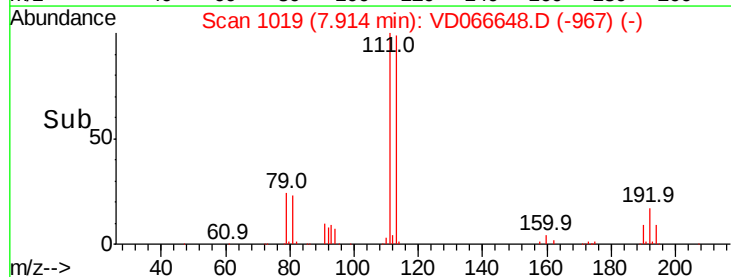
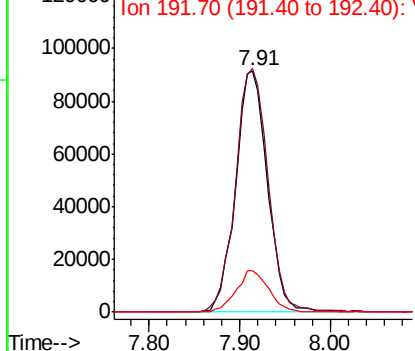


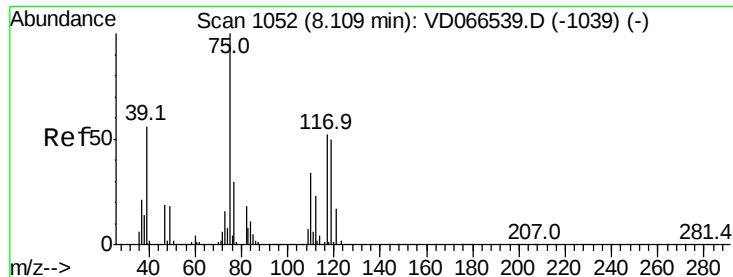
#35
Dibromofluoromethane
Concen: 50.921 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Tgt Ion:113 Resp: 222563
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 17.8 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





#36

1,1-Dichloropropene

Concen: 5.070 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066648.D

Acq: 11 Sep 2020 15:07

Instrument :

MSVOA_D

ClientSampleId :

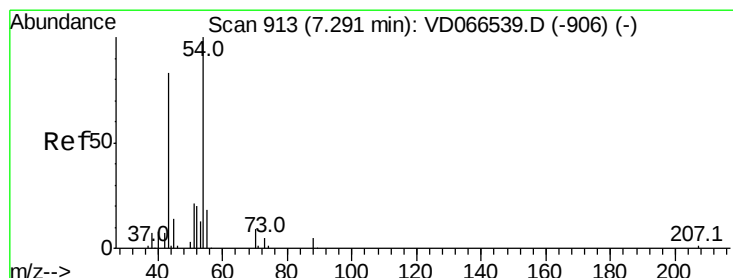
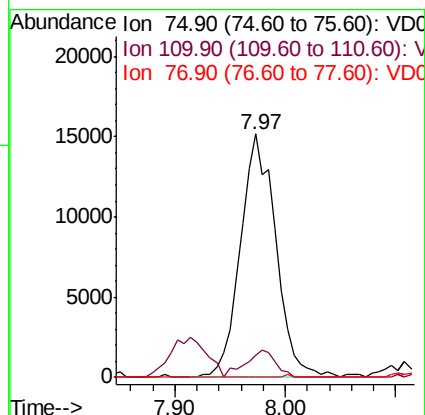
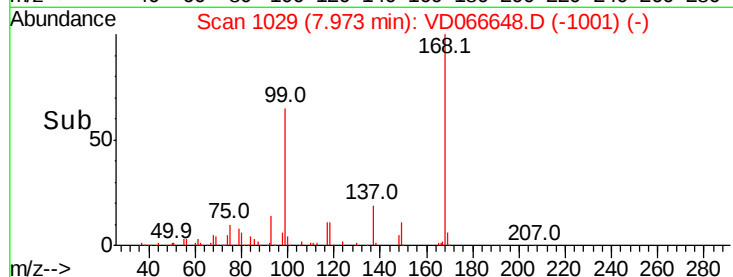
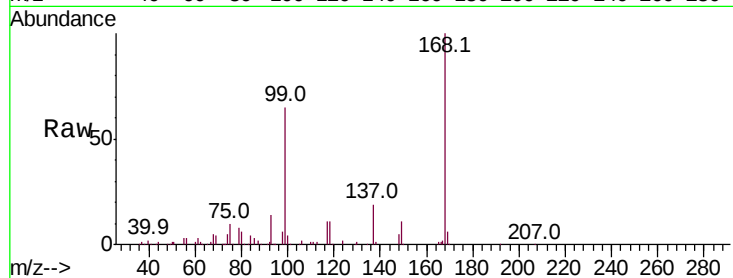
Tot Ion: 75 Resp: 34188

Ion Ratio Lower Upper

75 100

110 9.5 17.3 52.0#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.482 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.07 min

Lab File: VD066648.D

Acq: 11 Sep 2020 15:07

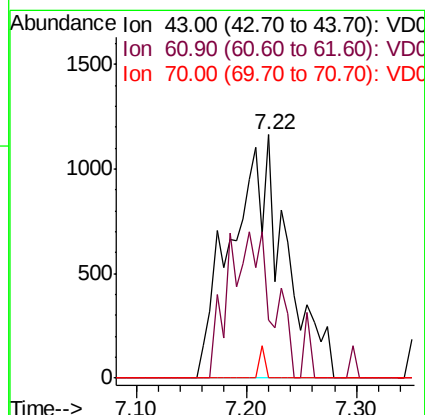
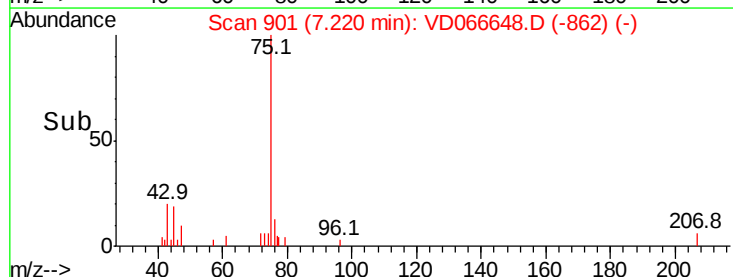
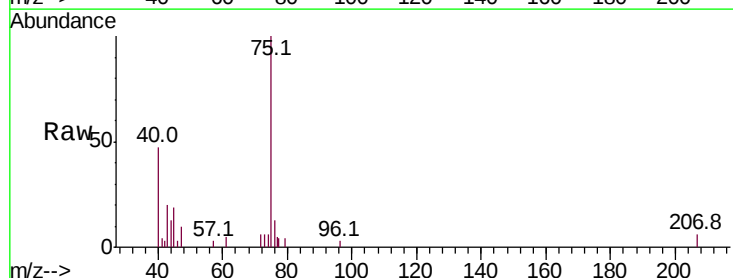
Tgt Ion: 43 Resp: 3979

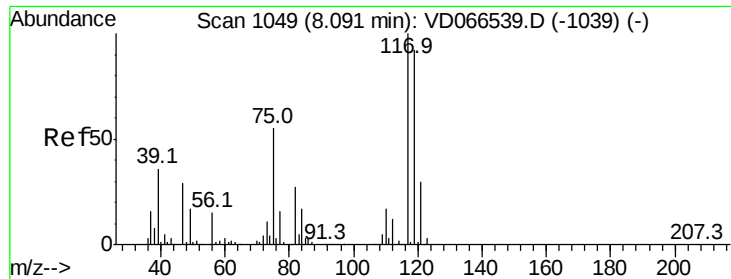
Ion Ratio Lower Upper

43 100

61 41.8 11.8 17.8#

70 1.4 7.9 11.9#

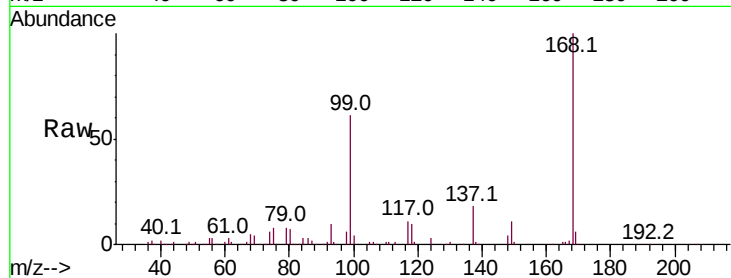




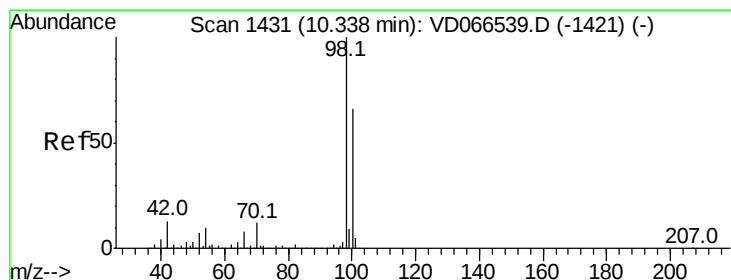
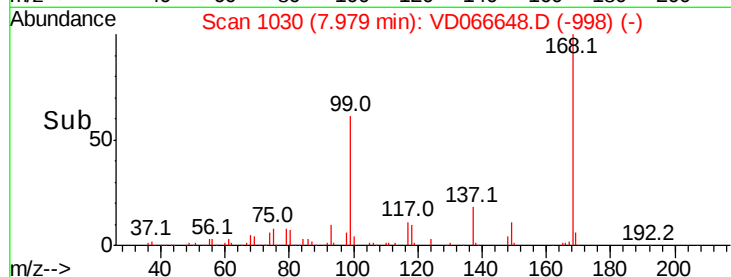
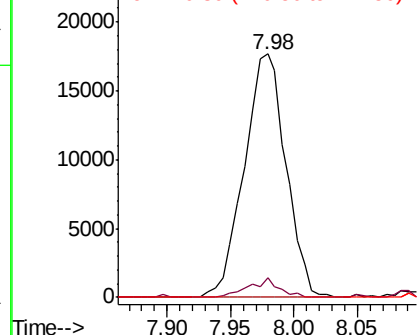
#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 40390
Ion Ratio Lower Upper
117 100
119 8.0 73.9 110.9#
121 0.0 24.1 36.1#

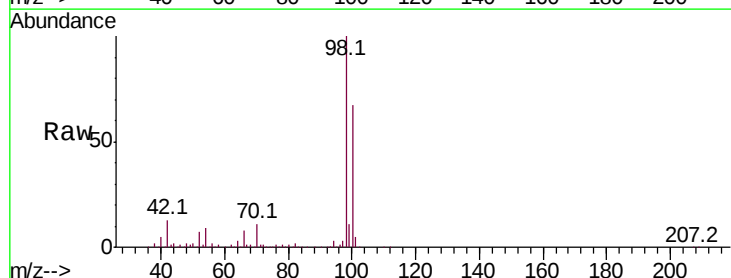


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

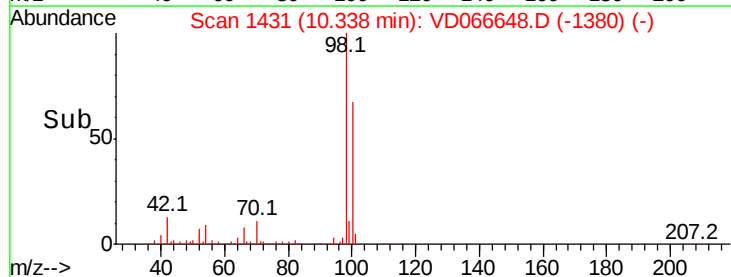
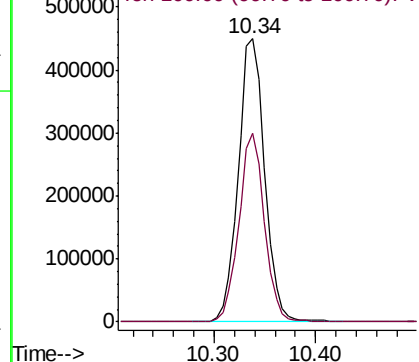


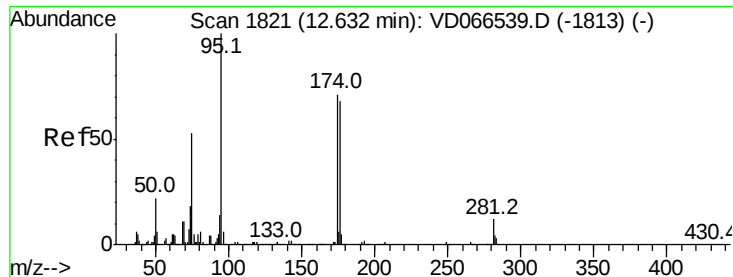
#50
Toluene-d8
Concen: 52.040 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Tgt Ion: 98 Resp: 812950
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3



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

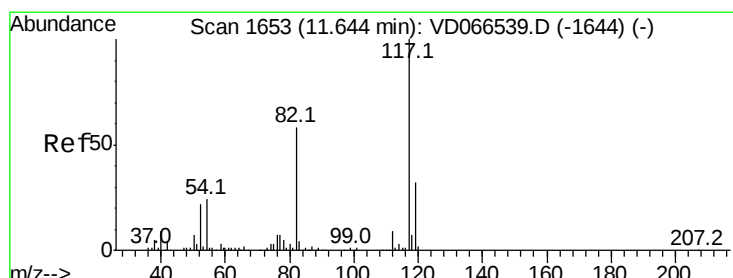
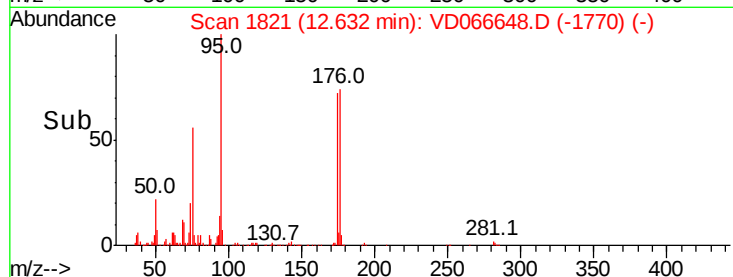
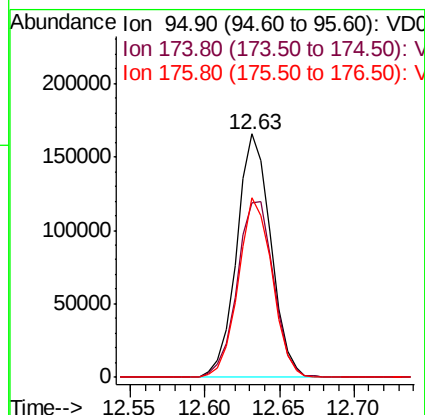
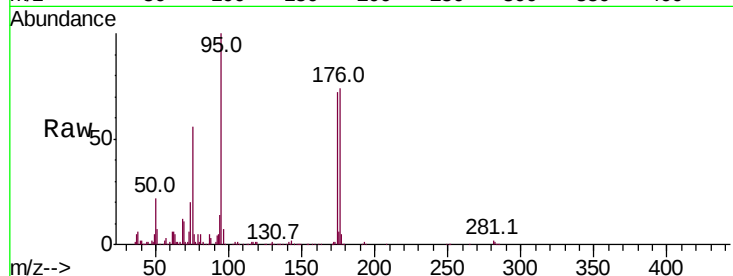




#62
4-Bromofluorobenzene
Concen: 50.769 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

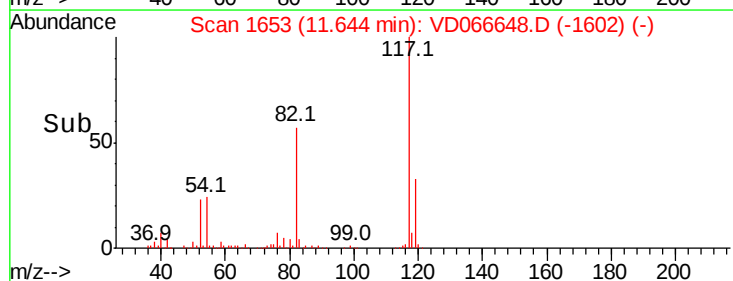
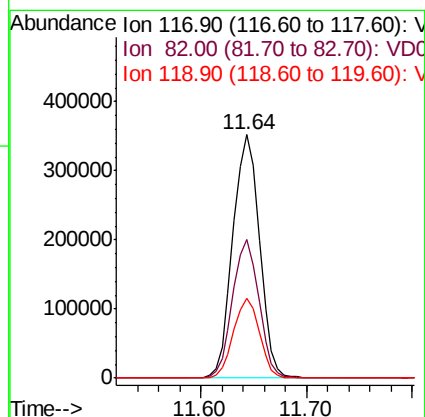
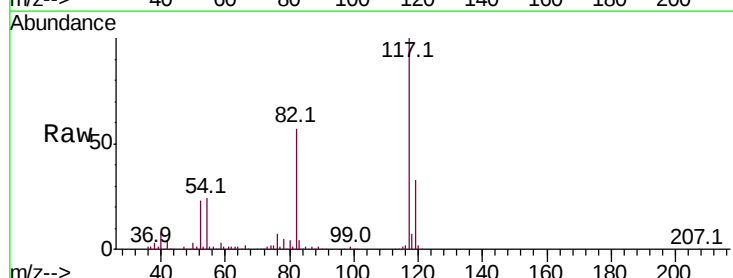
Instrument :
MSVOA_D
ClientSampleId :

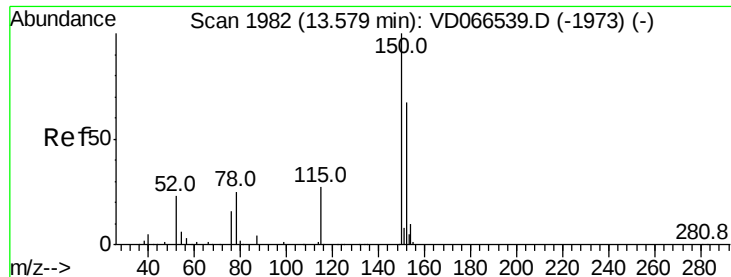
Tot Ion: 95 Resp: 262982
Ion Ratio Lower Upper
95 100
174 77.2 0.0 155.8
176 73.2 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Tgt Ion: 117 Resp: 615317
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.2
119 32.6 25.8 38.8



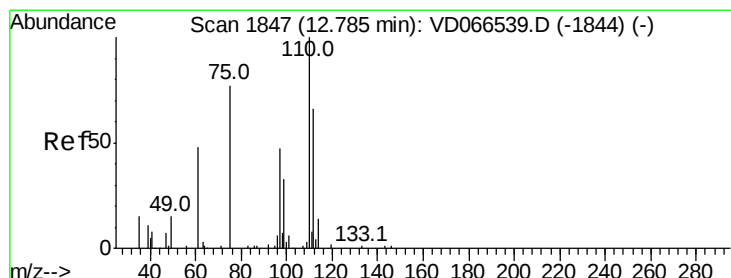
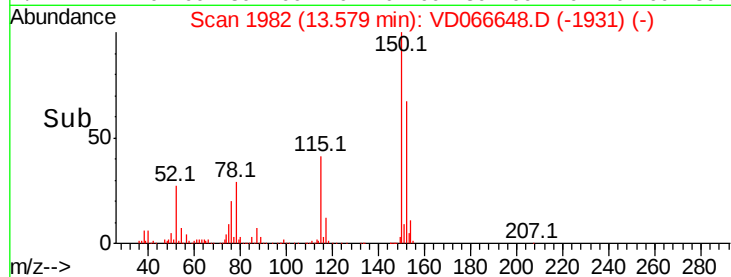
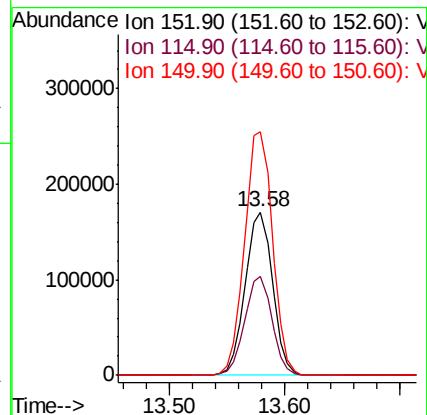
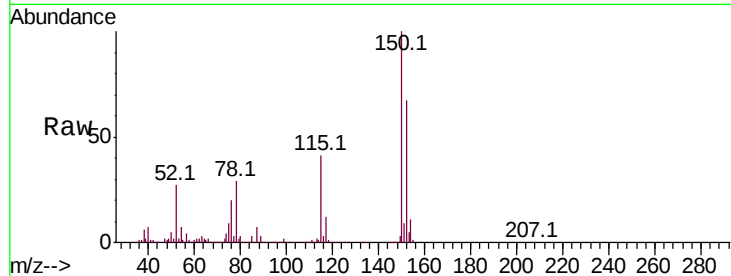


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Instrument :
MSVOA_D
ClientSampleId :

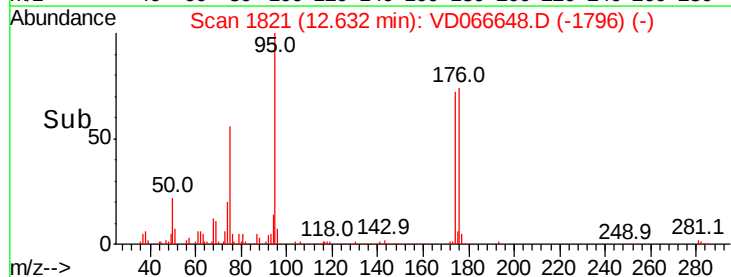
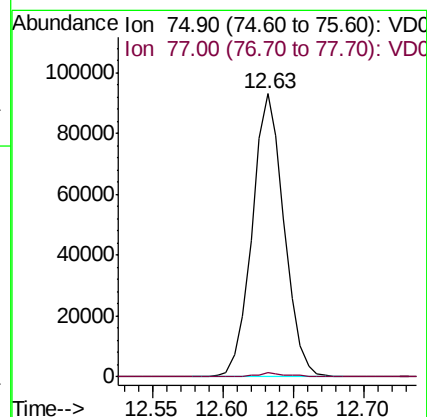
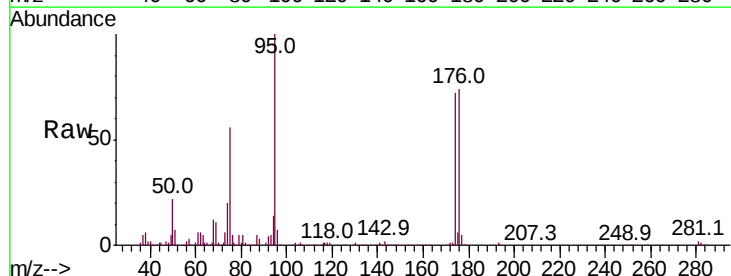
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.4	91.2
150	152.2	0.0	345.8

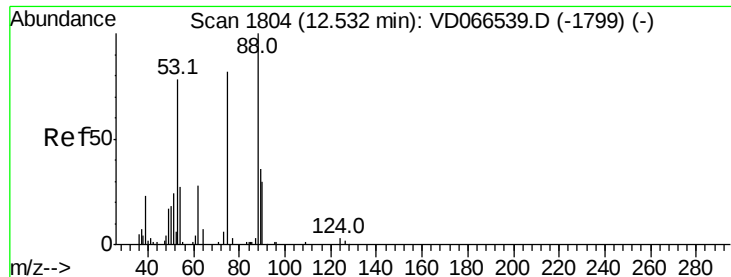


#76

1,2,3-Trichloropropane
Concen: 54.352 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066648.D
Acq: 11 Sep 2020 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 126.893 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066648.D

Acq: 11 Sep 2020 15:07

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 147438

Ion Ratio Lower Upper

75 100

53 0.3 87.0 130.4#

89 0.0 37.1 55.7#

