

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067471.D
 Acq On : 30 Oct 2020 14:22
 Operator : VA/SY
 Sample : L4552-01
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VW-STONE-A

Quant Time: Oct 30 15:19:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	277956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	450157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	430822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	198509	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	135962	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	7.93	113	140171	46.79	ug/l	0.01
Spiked Amount			Recovery	=	93.58%	
50) Toluene-d8	10.34	98	513285	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.64	95	174335	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	

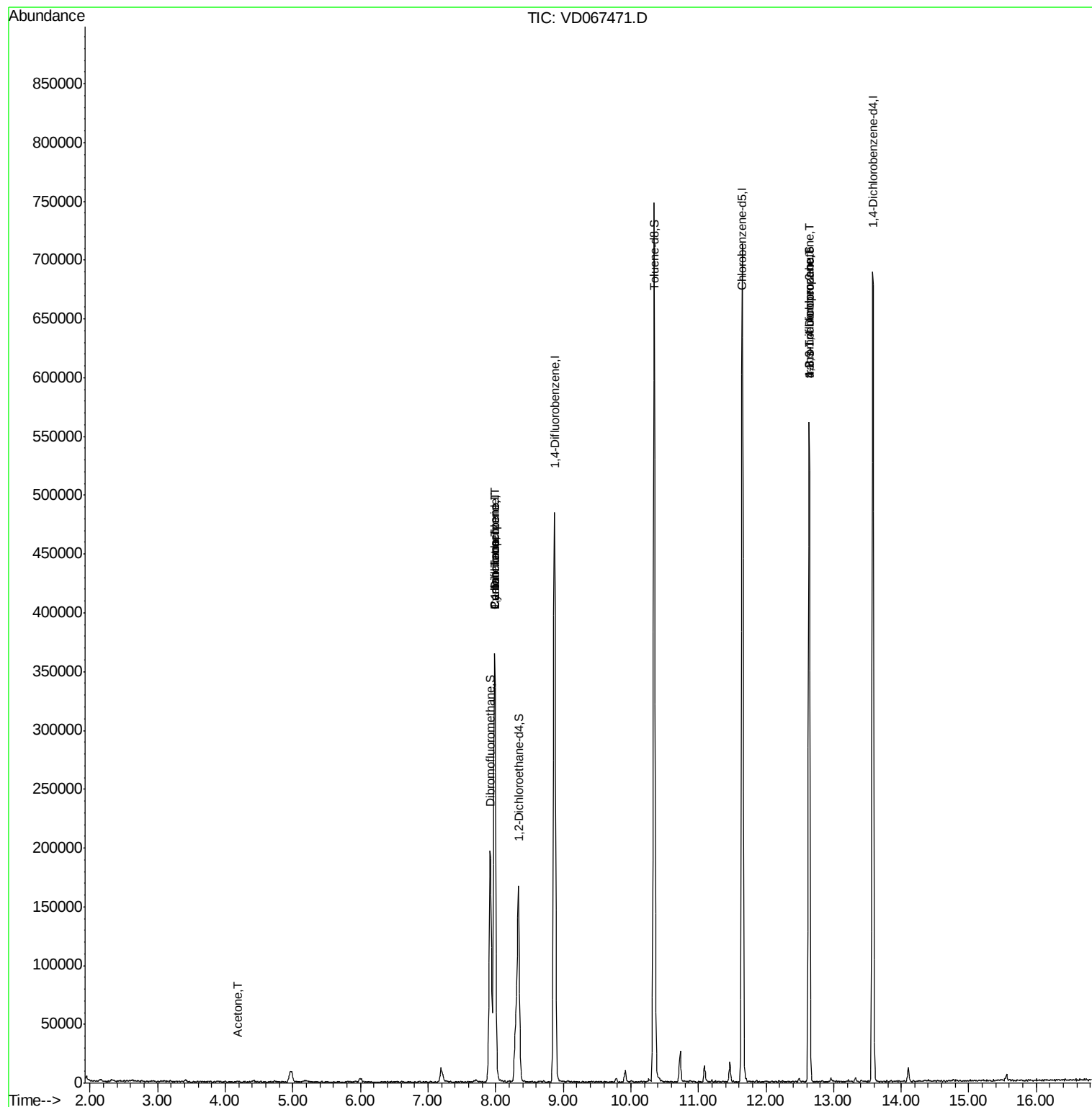
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	72	Below Cal	#	11
5) Bromomethane	2.77	94	77	Below Cal		99
11) Tert butyl alcohol	5.17	59	497	Below Cal	#	81
16) Acetone	4.18	43	771	1.977	ug/l #	42
20) Methylene Chloride	4.97	84	8835	Below Cal	#	88
31) Cyclohexane	7.98	56	5115	1.595	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	19750	5.176	ug/l #	48
38) Carbon Tetrachloride	7.98	117	27210	5.580	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	88216	64.117	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	88216	145.399	ug/l #	10

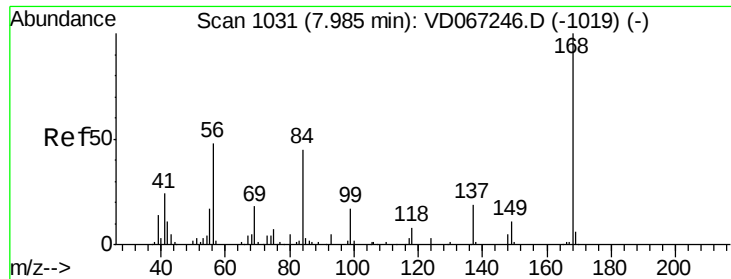
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 15:19:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067471.D

Acq: 30 Oct 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

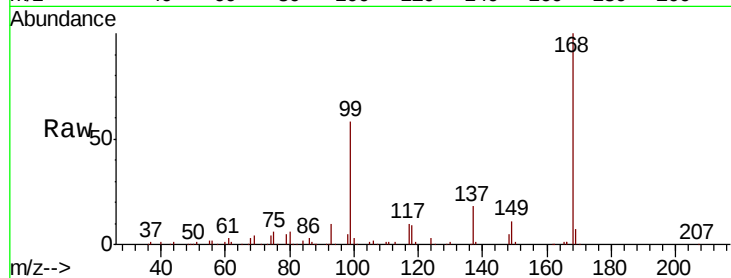
VW-STONE-A

Tot Ion:168 Resp: 277956

Ion Ratio Lower Upper

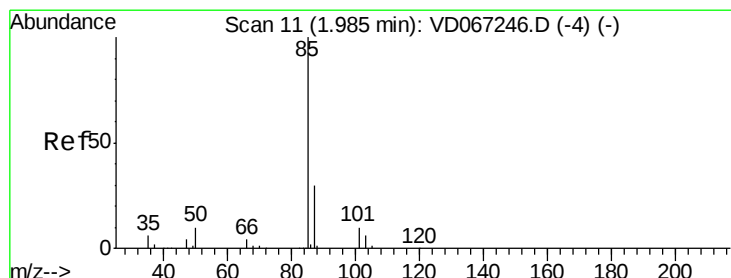
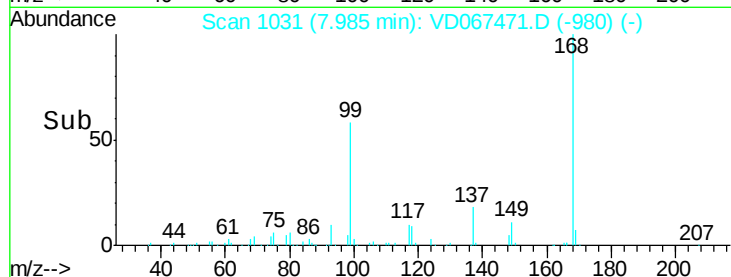
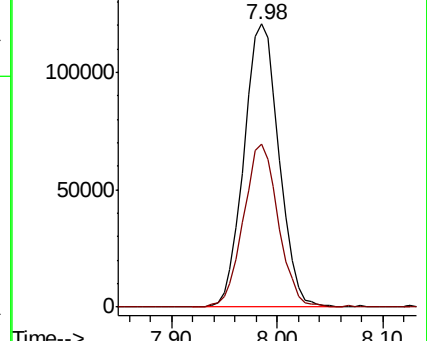
168 100

99 57.5 45.9 68.9



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# 11

Delta R.T. 0.00 min

Lab File: VD067471.D

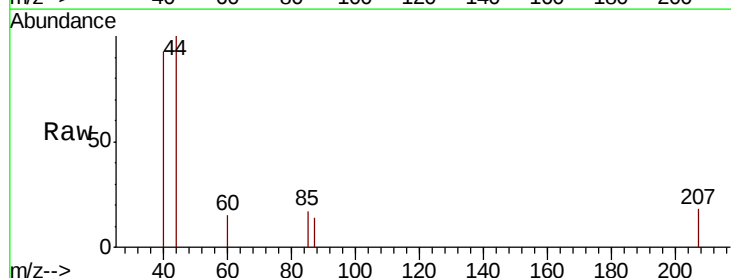
Acq: 30 Oct 2020 14:22

Tgt Ion: 85 Resp: 72

Ion Ratio Lower Upper

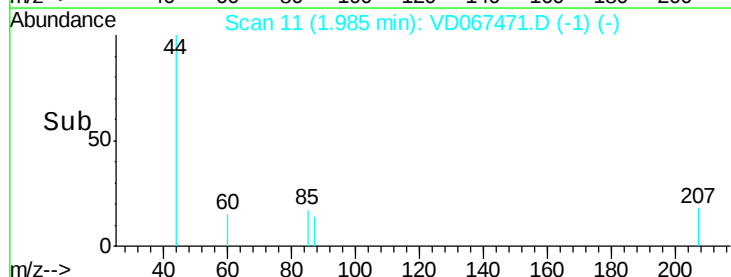
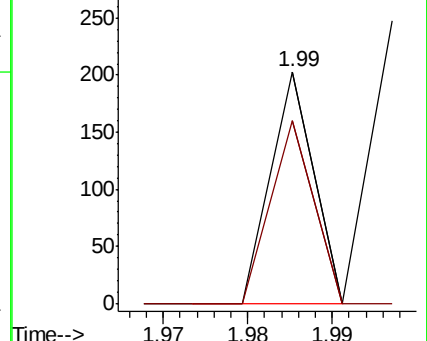
85 100

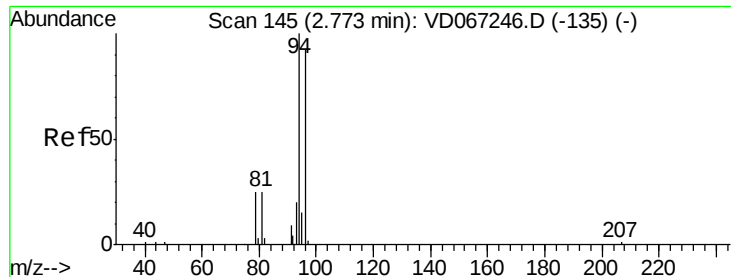
87 78.8 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067471.D

Acq: 30 Oct 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

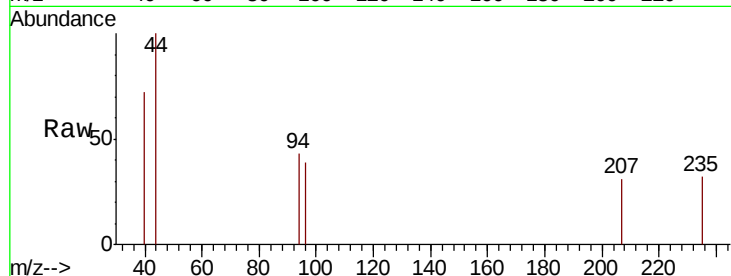
VW-STONE-A

Tot Ion: 94 Resp: 77

Ion Ratio Lower Upper

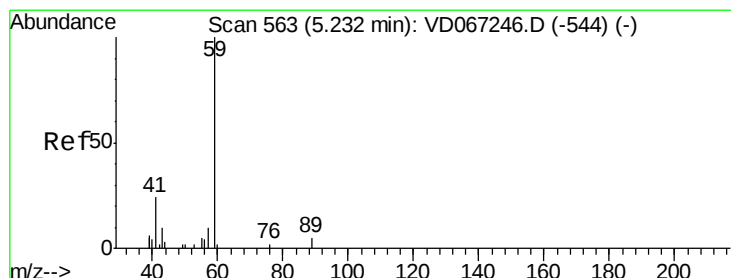
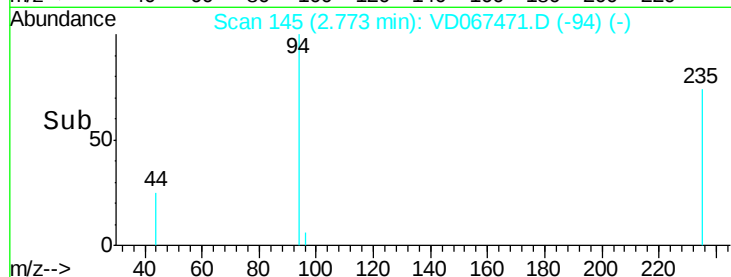
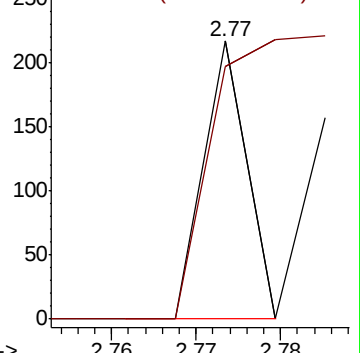
94 100

96 90.8 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.06 min

Lab File: VD067471.D

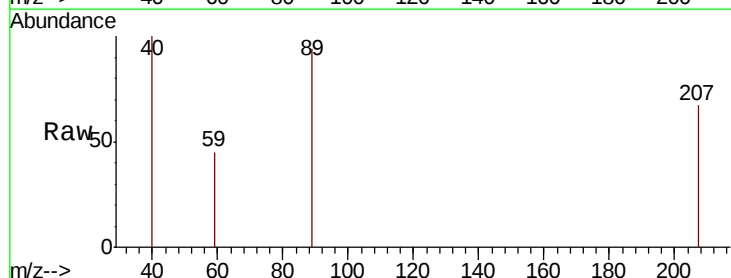
Acq: 30 Oct 2020 14:22

Tgt Ion: 59 Resp: 497

Ion Ratio Lower Upper

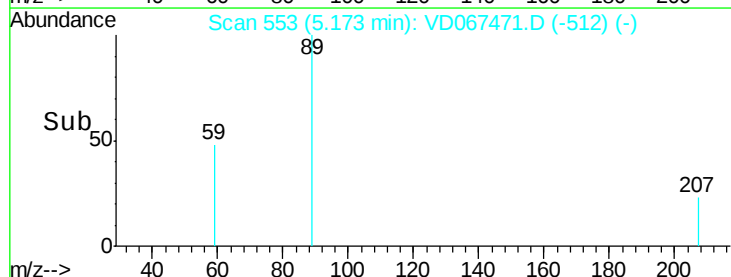
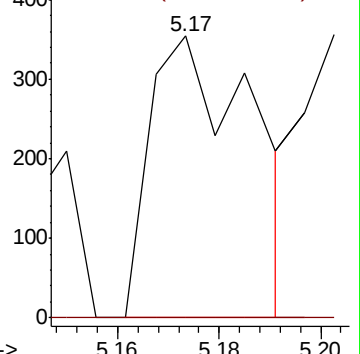
59 100

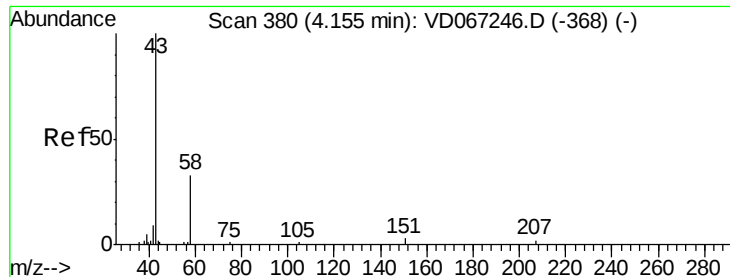
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.977 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.02 min

Lab File: VD067471.D

Acq: 30 Oct 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

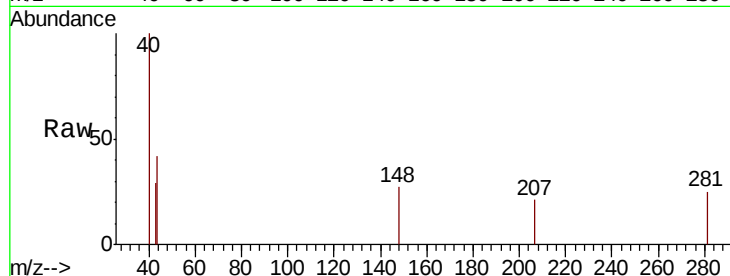
VW-STONE-A

Tot Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#

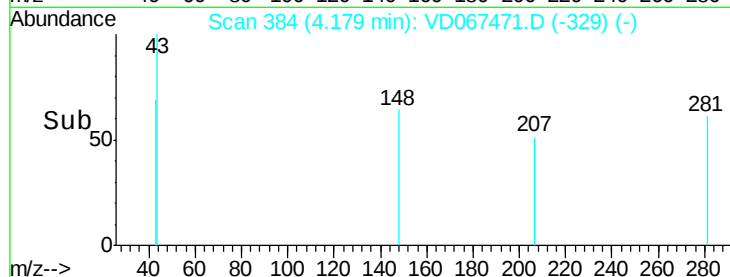


Abundance Ion 43.00 (42.70 to 43.70): VDC

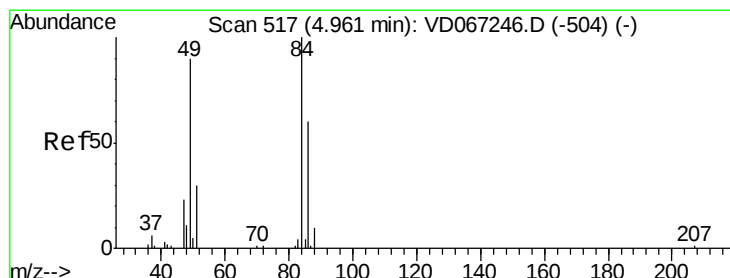
Ion 58.00 (57.70 to 58.70): VDC

4.18

4.15 4.20



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067471.D

Acq: 30 Oct 2020 14:22

Tgt Ion: 84 Resp: 8835

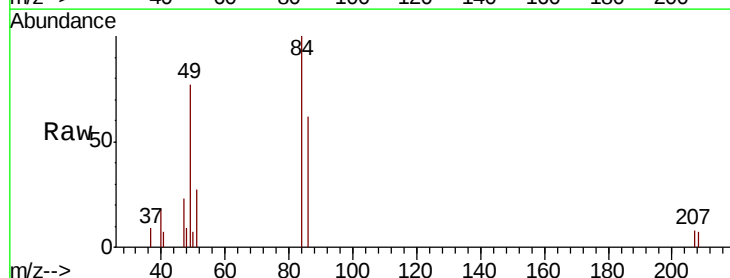
Ion Ratio Lower Upper

84 100

49 71.4 72.2 108.2#

51 27.2 23.8 35.8

86 62.1 48.2 72.4



Abundance Ion 83.90 (83.60 to 84.60): VDC

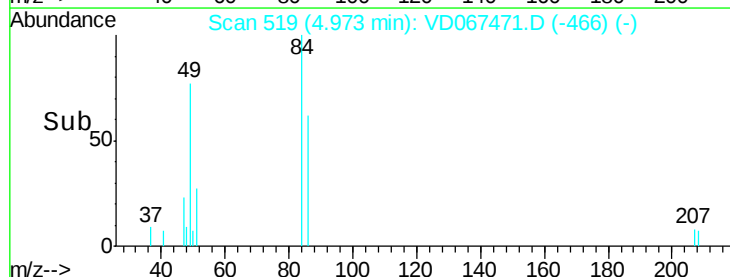
Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

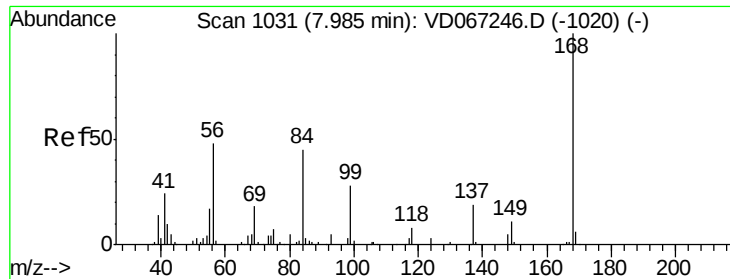
Ion 85.90 (85.60 to 86.60): VDC

4.97

4.90 4.95 5.00 5.05



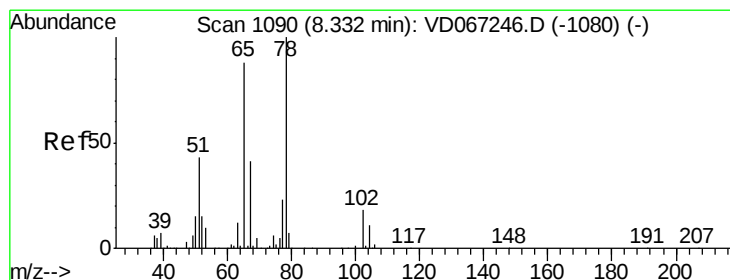
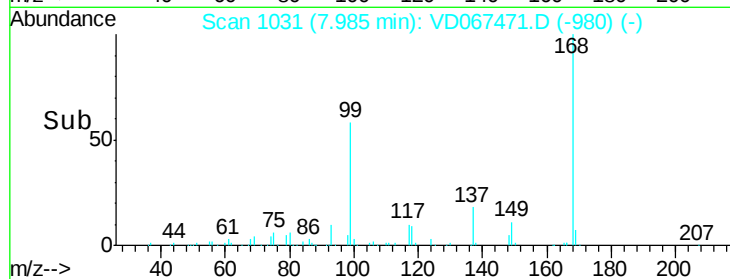
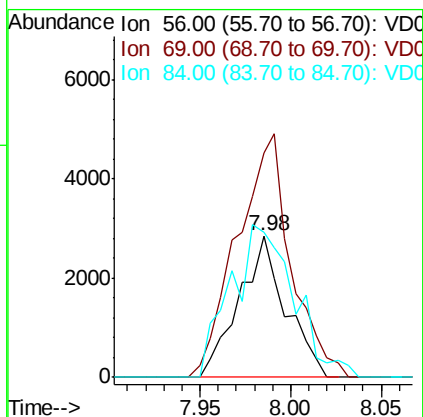
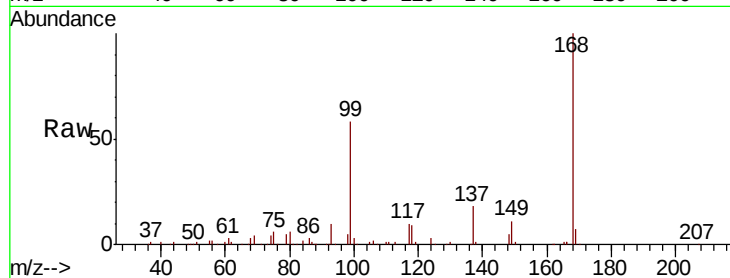
Time-->



#31
Cyclohexane
Concen: 1.595 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067471.D
Acq: 30 Oct 2020 14:22

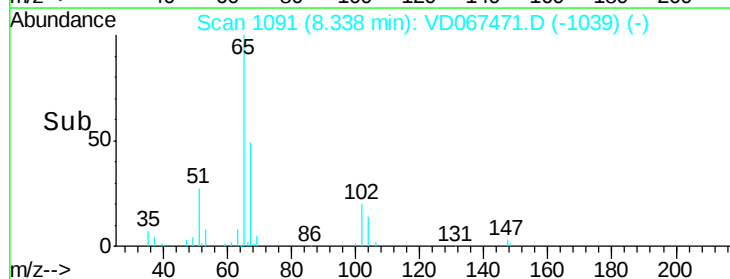
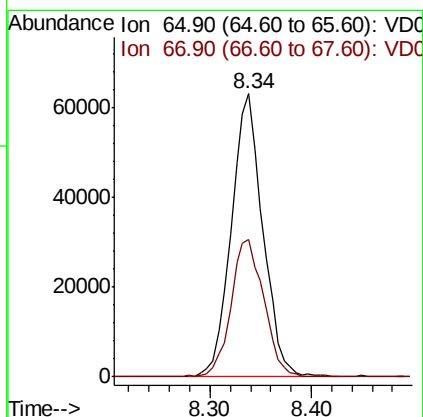
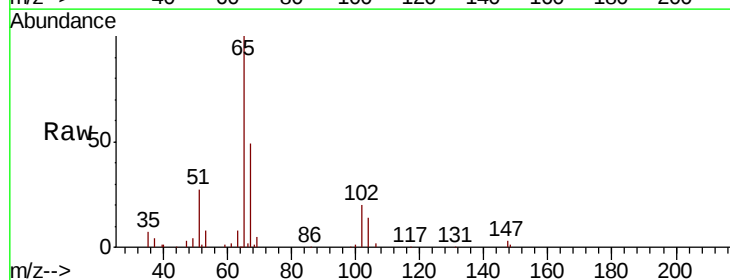
Instrument :
MSVOA_D
ClientSampleId :
VW-STONE-A

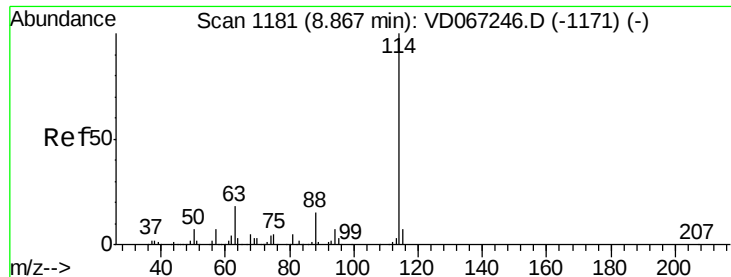
Tot Ion: 56 Resp: 5115
Ion Ratio Lower Upper
56 100
69 158.9 29.8 44.6#
84 103.1 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 48.825 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067471.D
Acq: 30 Oct 2020 14:22

Tgt Ion: 65 Resp: 135962
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.8

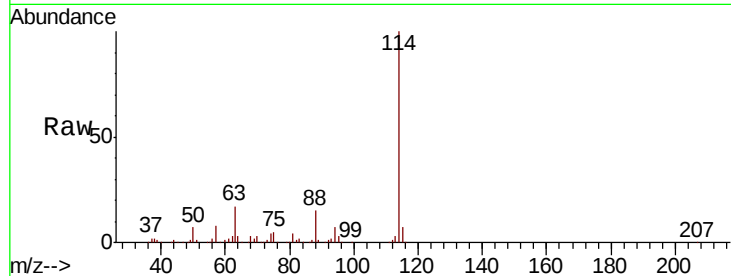




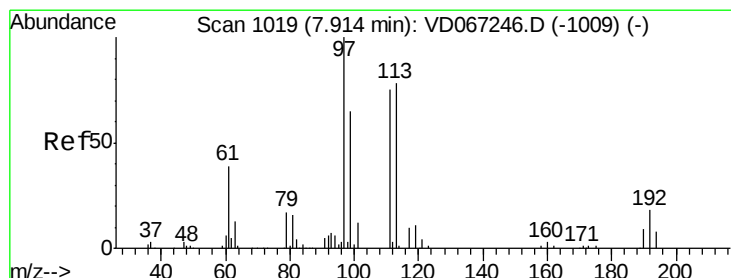
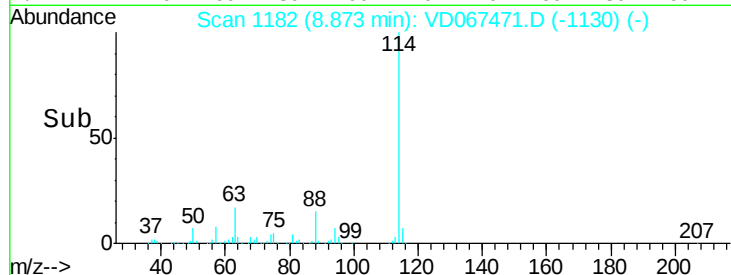
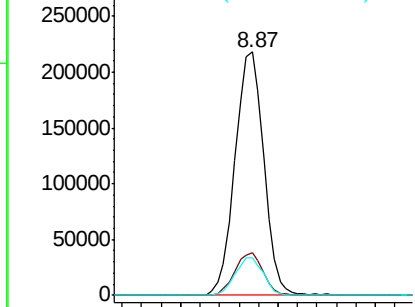
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD067471.D
Acq: 30 Oct 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VW-STONE-A

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.0
88	15.3	0.0	30.6

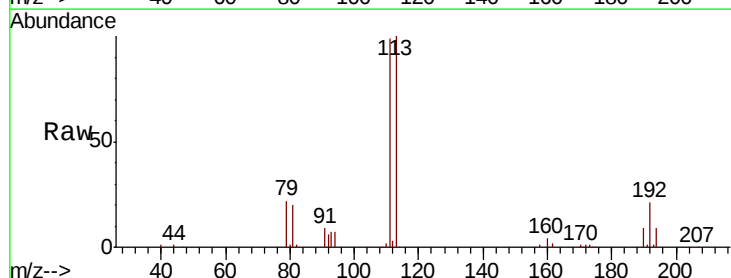


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

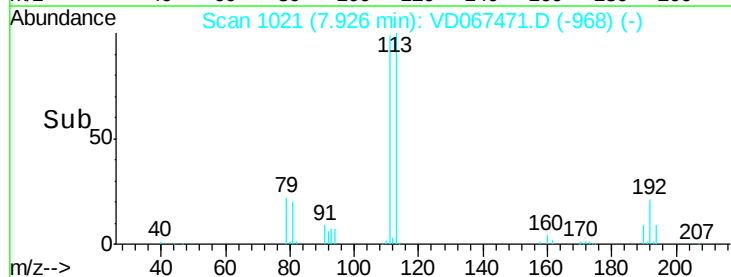
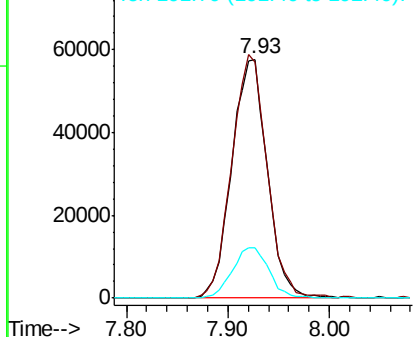


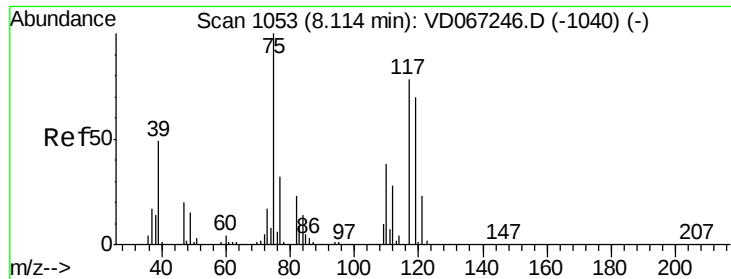
#35
Dibromofluoromethane
Concen: 46.789 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD067471.D
Acq: 30 Oct 2020 14:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.6	122.4
192	21.7	17.0	25.4



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

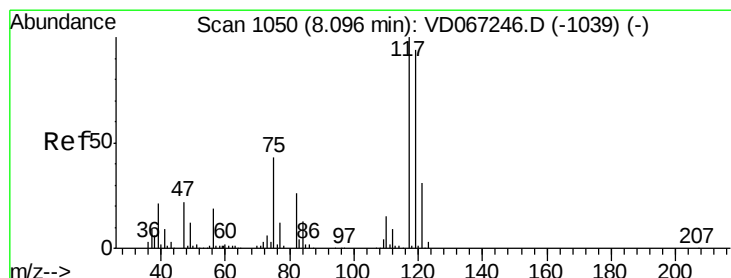
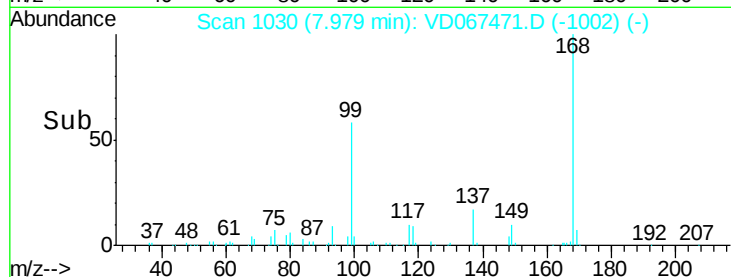
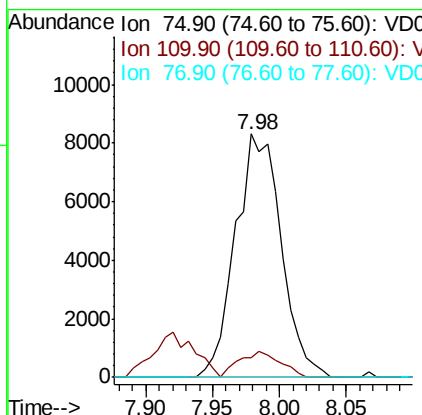
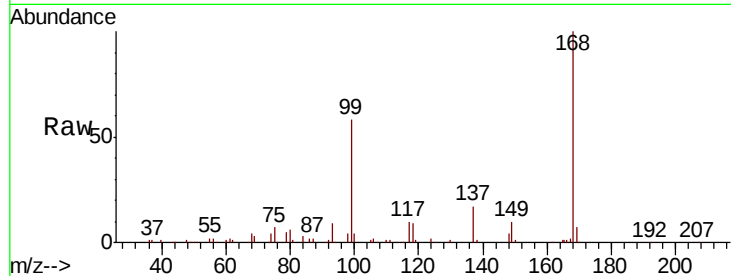




#36
 1,1-Dichloropropene
 Concen: 5.176 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD067471.D
 Acq: 30 Oct 2020 14:22

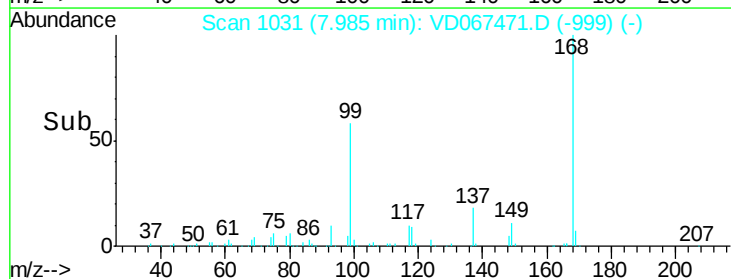
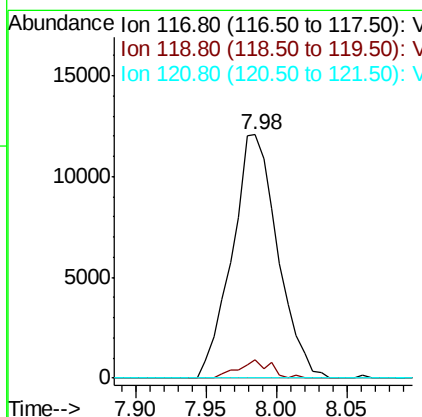
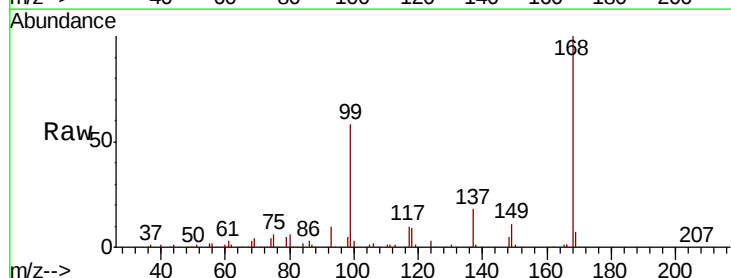
Instrument :
 MSVOA_D
 ClientSampleId :
 VW-STONE-A

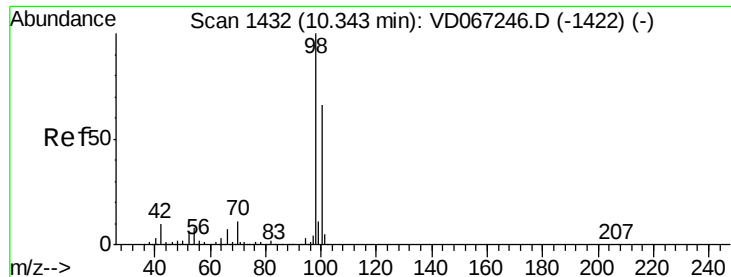
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.6	58.7#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.580 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067471.D
 Acq: 30 Oct 2020 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	75.0	112.4#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 47.344 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067471.D

Acq: 30 Oct 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

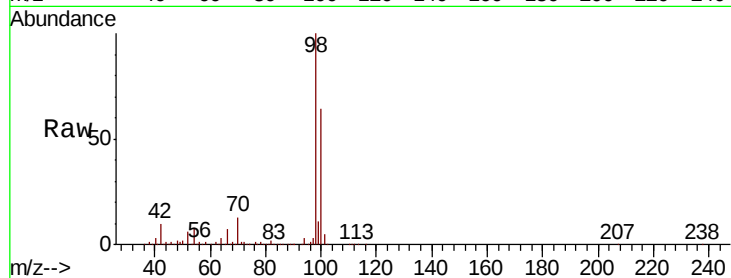
VW-STONE-A

Tot Ion: 98 Resp: 513285

Ion Ratio Lower Upper

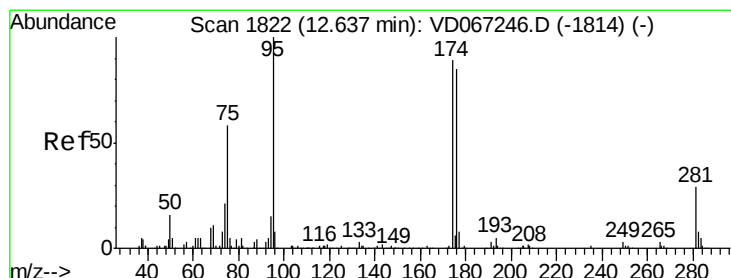
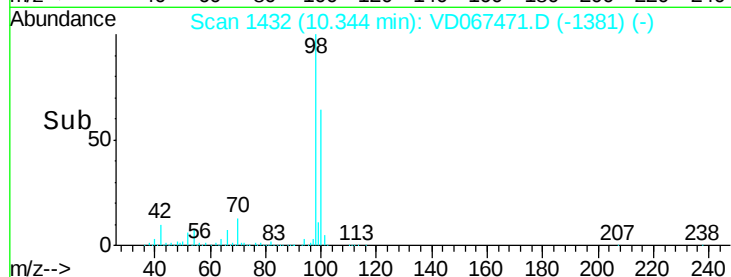
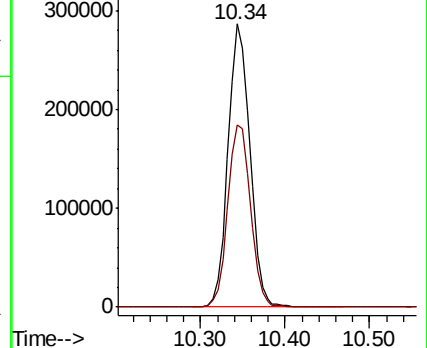
98 100

100 66.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.245 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067471.D

Acq: 30 Oct 2020 14:22

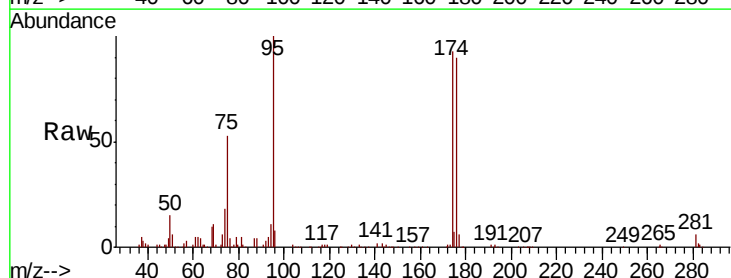
Tgt Ion: 95 Resp: 174335

Ion Ratio Lower Upper

95 100

174 92.1 0.0 175.2

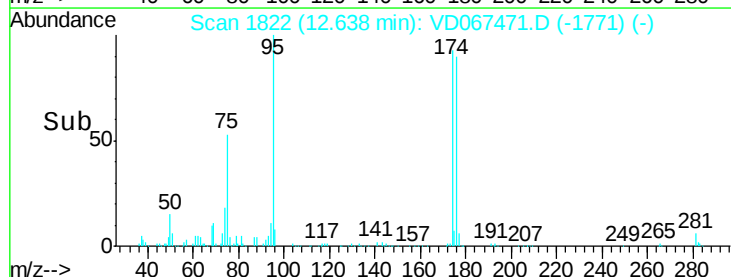
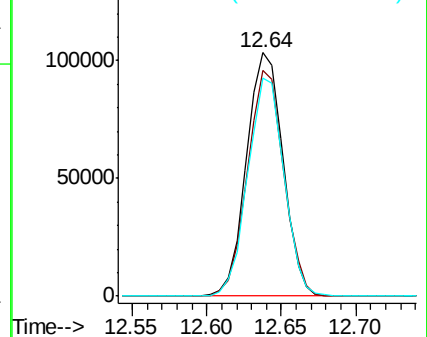
176 89.0 0.0 168.6

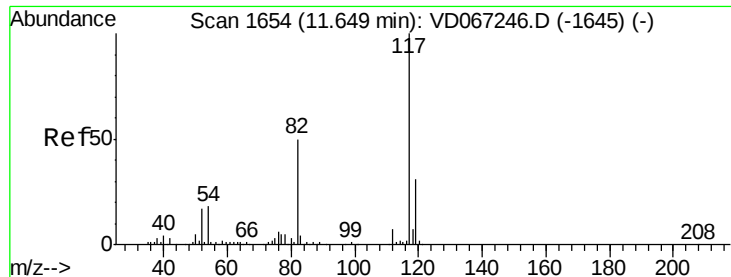


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

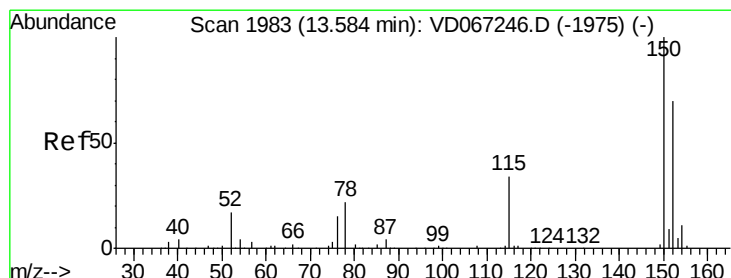
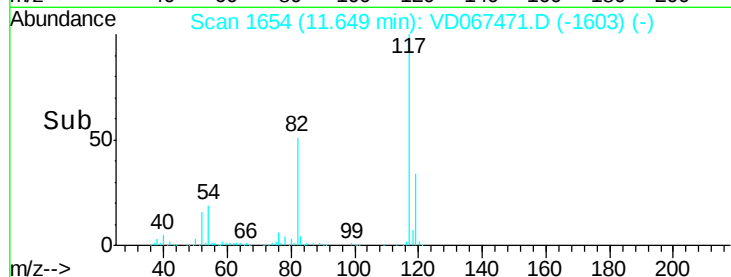
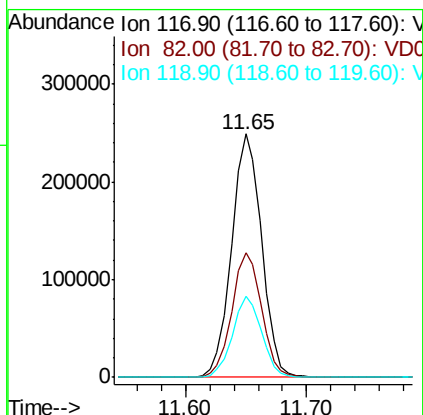
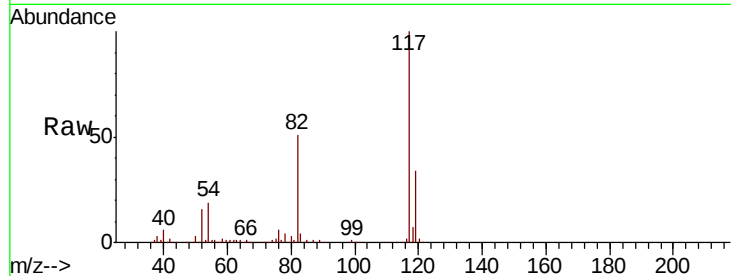




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067471.D
Acq: 30 Oct 2020 14:22

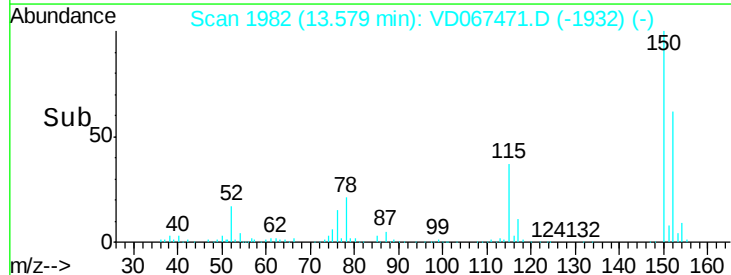
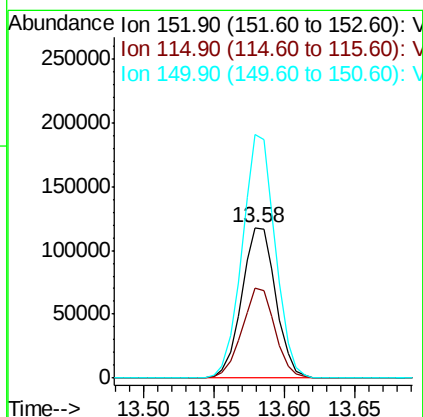
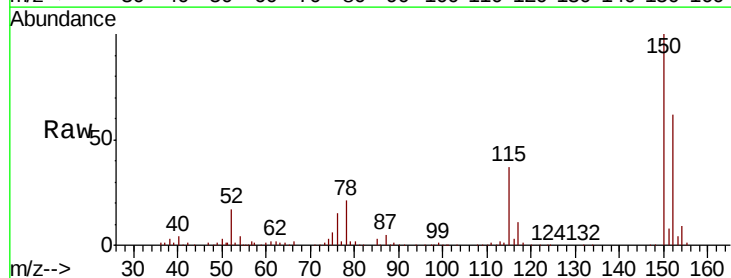
Instrument :
MSVOA_D
ClientSampleId :
VW-STONE-A

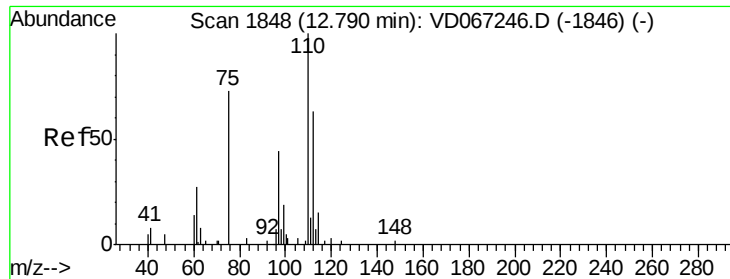
Tot Ion:117 Resp: 430822
Ion Ratio Lower Upper
117 100
82 51.0 39.9 59.9
119 33.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067471.D
Acq: 30 Oct 2020 14:22

Tgt Ion:152 Resp: 198509
Ion Ratio Lower Upper
152 100
115 58.1 29.3 87.9
150 156.8 0.0 339.0

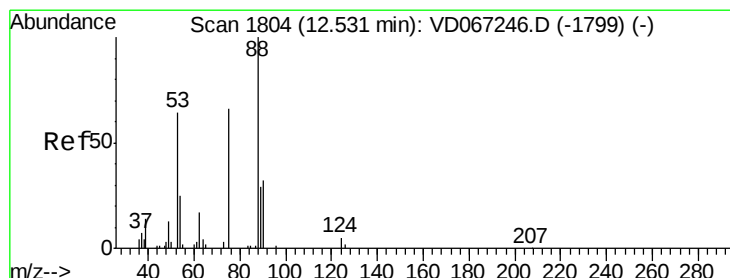
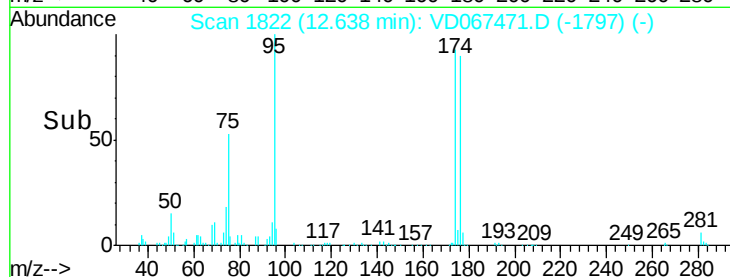
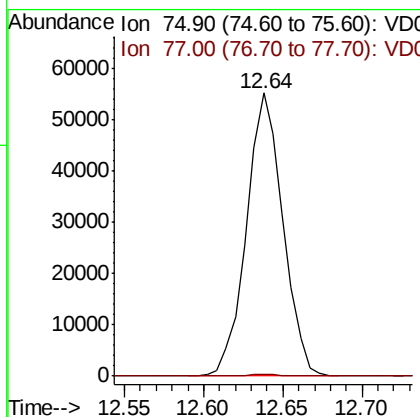
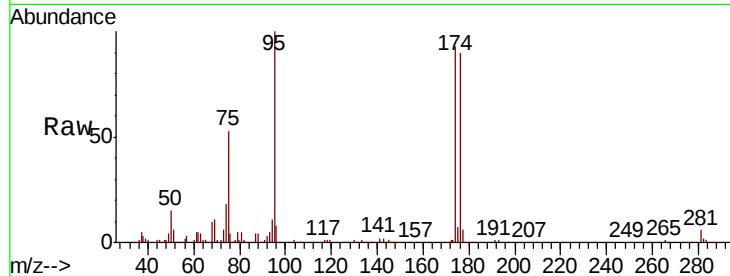




#76
 1,2,3-Trichloropropane
 Concen: 64.117 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067471.D
 Acq: 30 Oct 2020 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VW-STONE-A

Tot Ion: 75 Resp: 88216
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.399 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067471.D
 Acq: 30 Oct 2020 14:22

Tgt Ion: 75 Resp: 88216
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 39.9 59.9#

