

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067423.D
 Acq On : 27 Oct 2020 20:32
 Operator : VA/SY
 Sample : L4510-13
 Misc : 5.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-13

Quant Time: Oct 28 00:47:52 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	328926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	536380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	517120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229343	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	174350	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
35) Dibromofluoromethane	7.92	113	177129	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.34	98	633811	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.64	95	215623	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

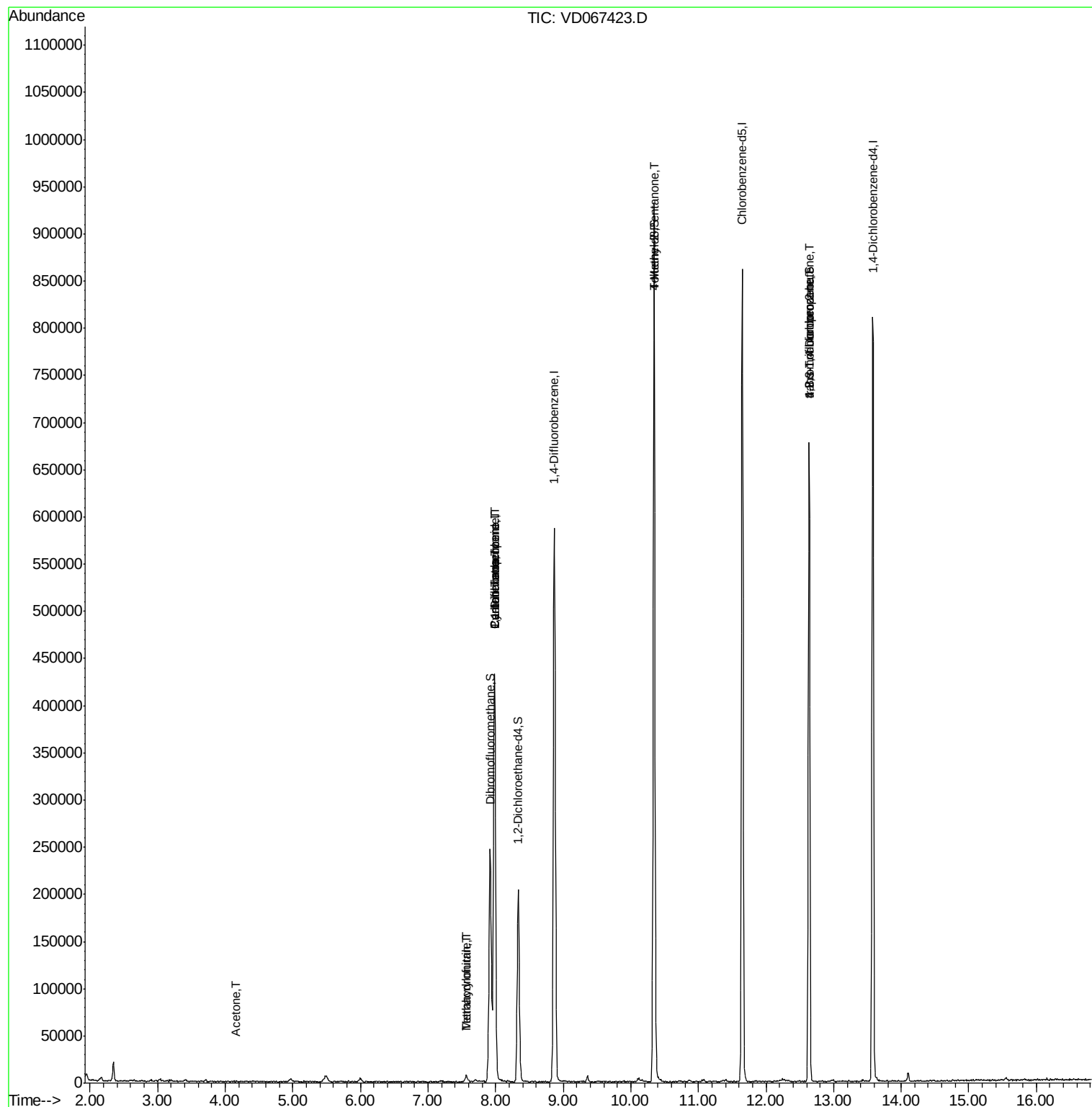
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	70	Below Cal	#	3
16) Acetone	4.16	43	565	1.224	ug/l #	80
20) Methylene Chloride	4.96	84	2416	Below Cal	#	86
29) Tetrahydrofuran	7.57	42	4362	14.916	ug/l #	90
31) Cyclohexane	7.98	56	6221	1.639	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	23341	5.134	ug/l #	49
38) Carbon Tetrachloride	7.98	117	34334	5.909	ug/l #	16
41) Methacrylonitrile	7.57	41	2922	4.043	ug/l #	30
51) 4-Methyl-2-Pentanone	10.35	43	2116	1.598	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	109180	68.685	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109180	155.758	ug/l #	10

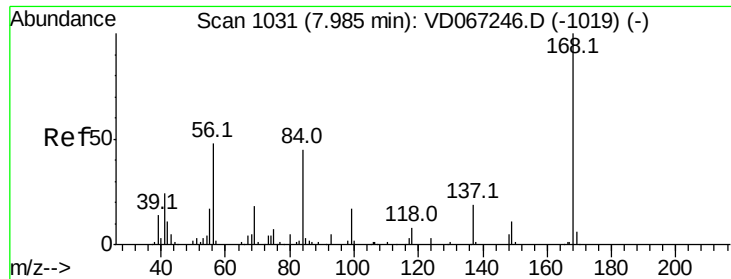
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

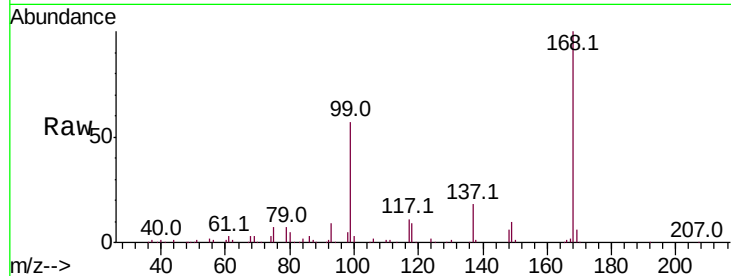
VOC-13

Tot Ion:168 Resp: 328926

Ion Ratio Lower Upper

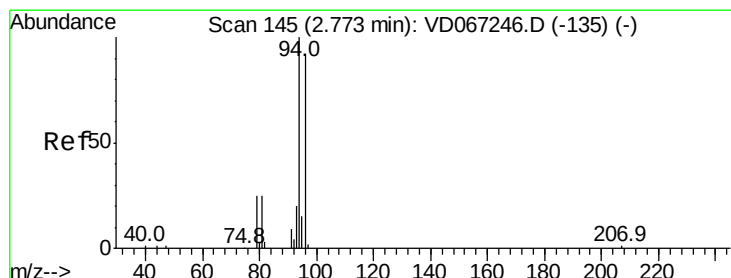
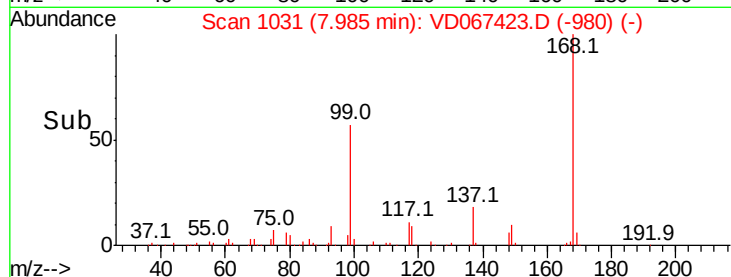
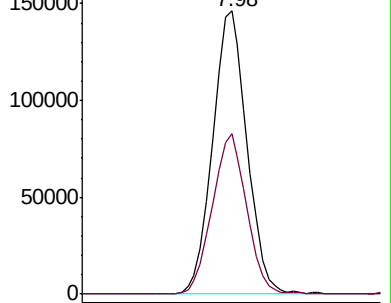
168 100

99 56.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067423.D

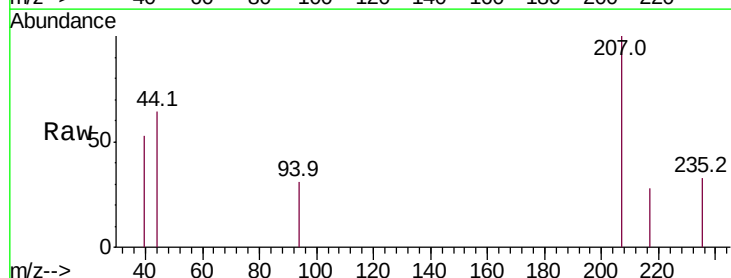
Acq: 27 Oct 2020 20:32

Tgt Ion: 94 Resp: 70

Ion Ratio Lower Upper

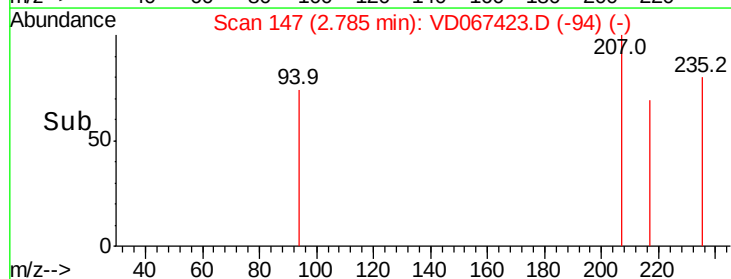
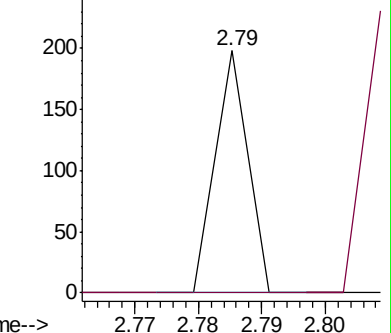
94 100

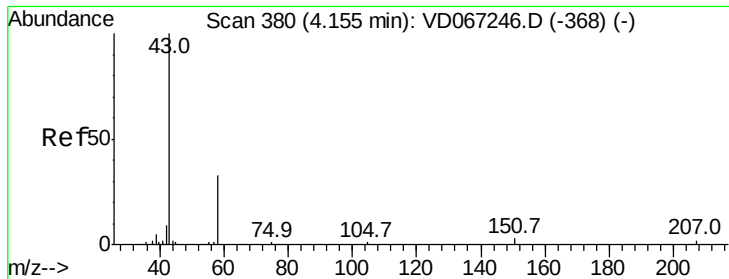
96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

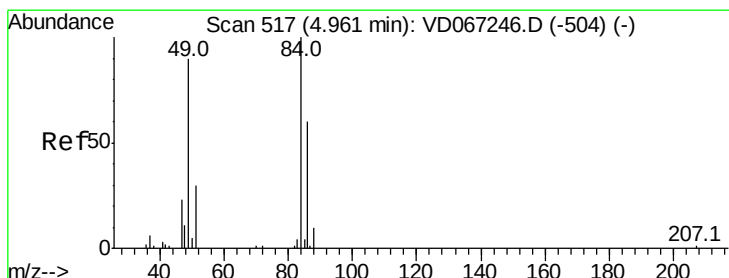
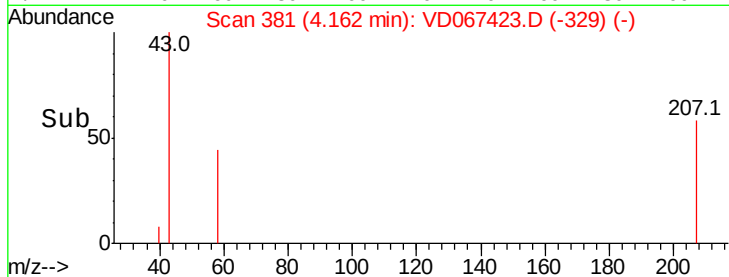
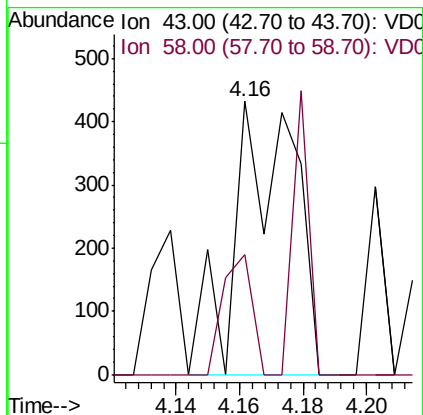
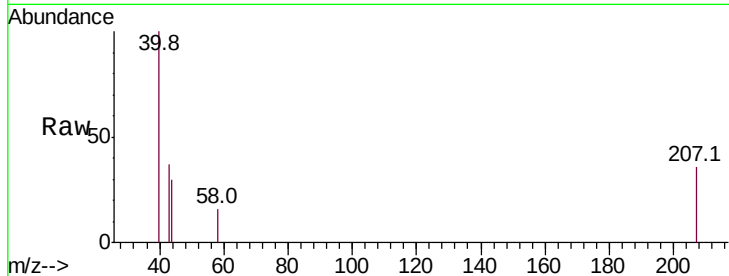




#16
Acetone
Concen: 1.224 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067423.D
Acq: 27 Oct 2020 20:32

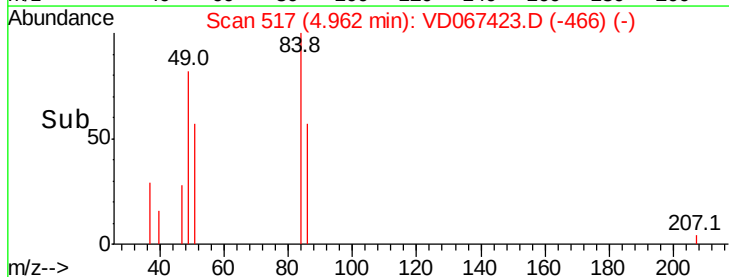
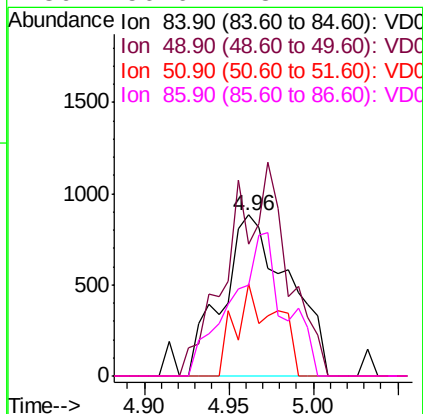
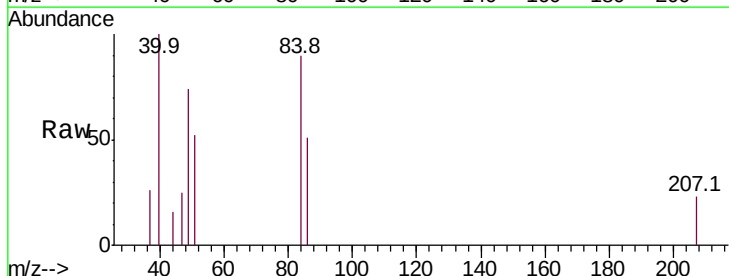
Instrument :
MSVOA_D
ClientSampleId :
VOC-13

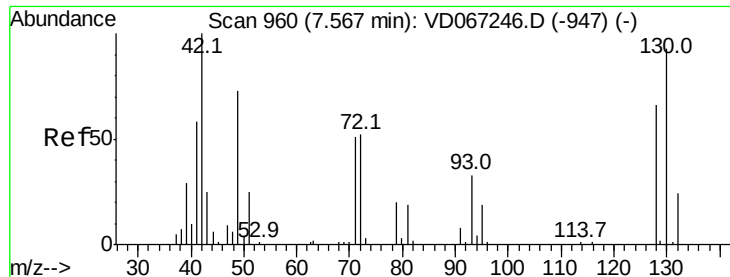
Tot Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
58 44.0 26.1 39.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067423.D
Acq: 27 Oct 2020 20:32

Tgt Ion: 84 Resp: 2416
Ion Ratio Lower Upper
84 100
49 81.9 72.2 108.2
51 57.4 23.8 35.8#
86 56.6 48.2 72.4





#29

Tetrahydrofuran

Concen: 14.916 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampled :

VOC-13

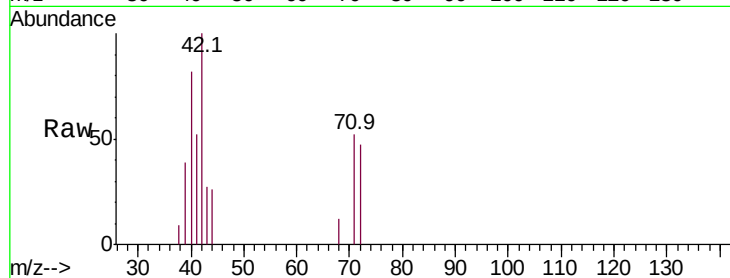
Tot Ion: 42 Resp: 4362

Ion Ratio Lower Upper

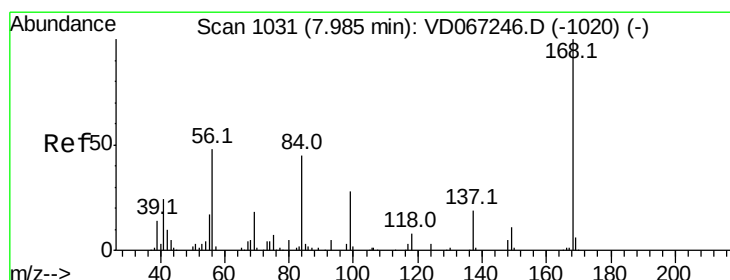
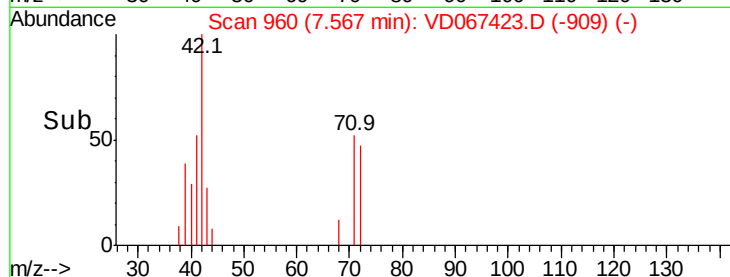
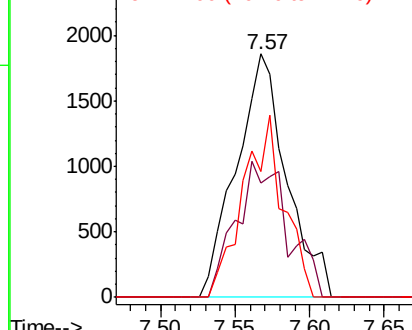
42 100

72 57.0 43.2 64.8

71 59.9 39.4 59.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.639 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

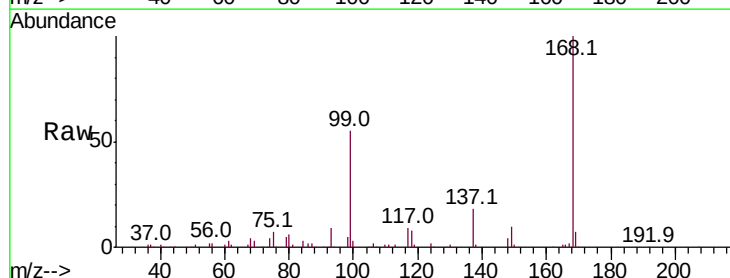
Tgt Ion: 56 Resp: 6221

Ion Ratio Lower Upper

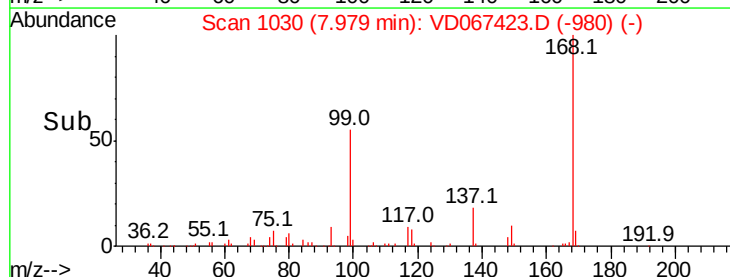
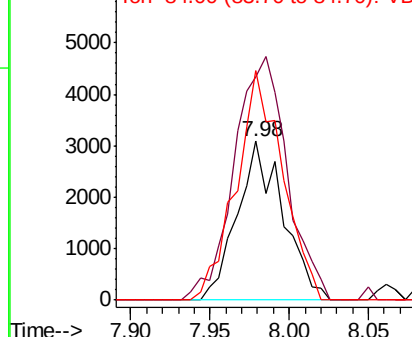
56 100

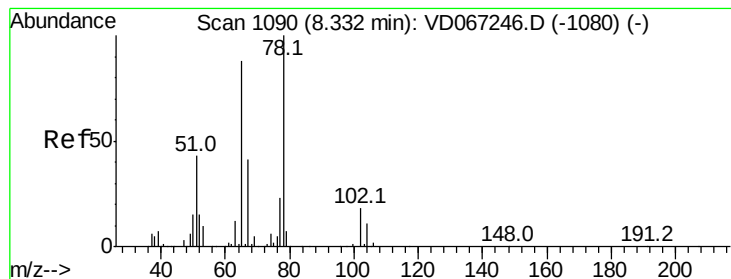
69 140.1 29.8 44.6#

84 144.8 76.6 114.8#



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: 52.908 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

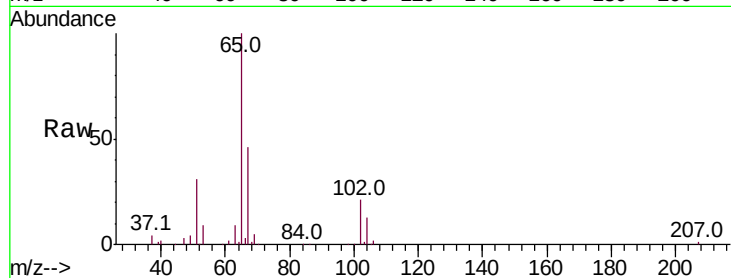
VOC-13

Tot Ion: 65 Resp: 174350

Ion Ratio Lower Upper

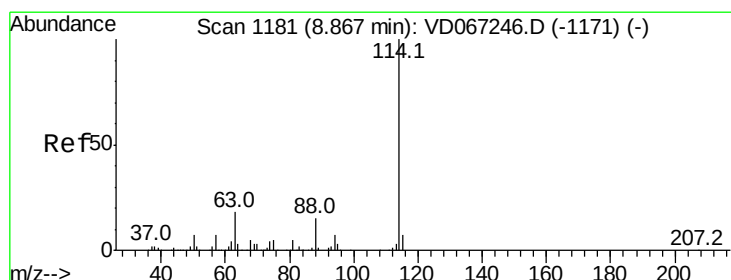
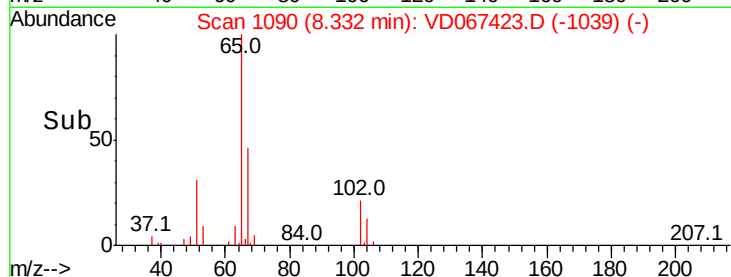
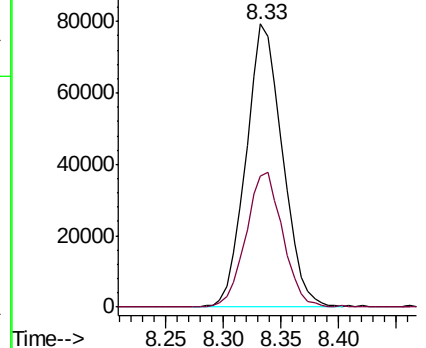
65 100

67 47.7 0.0 103.8



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: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

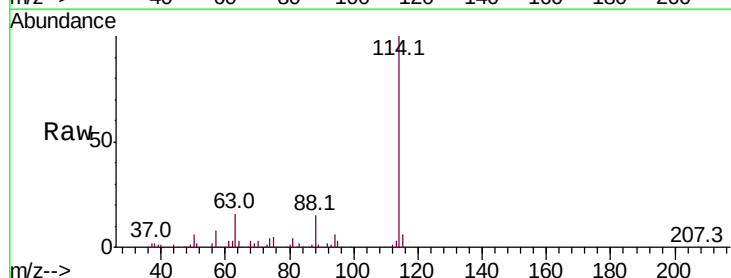
Tgt Ion: 114 Resp: 536380

Ion Ratio Lower Upper

114 100

63 15.9 0.0 35.0

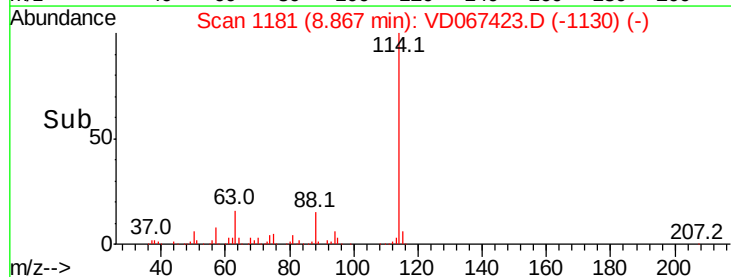
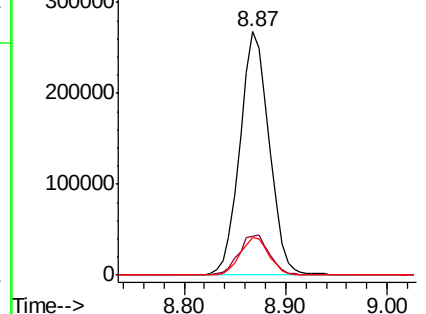
88 15.2 0.0 30.6

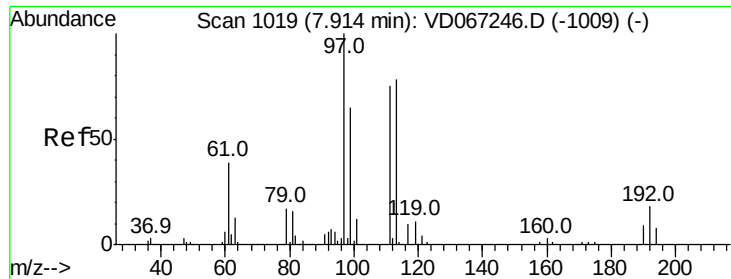


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

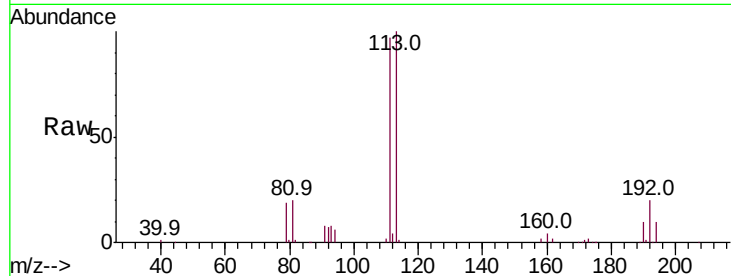




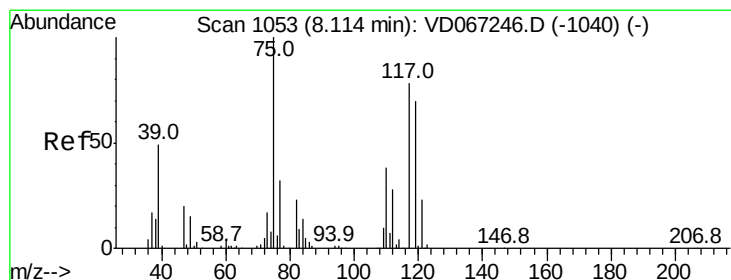
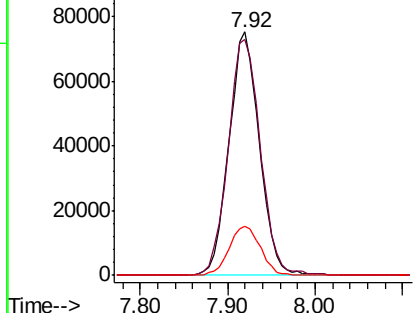
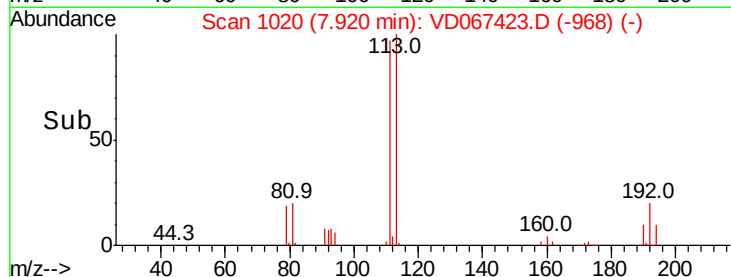
#35
 Dibromofluoromethane
 Concen: 49.621 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067423.D
 Acq: 27 Oct 2020 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-13

Tot Ion:113 Resp: 177129
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.6 122.4
 192 20.7 17.0 25.4

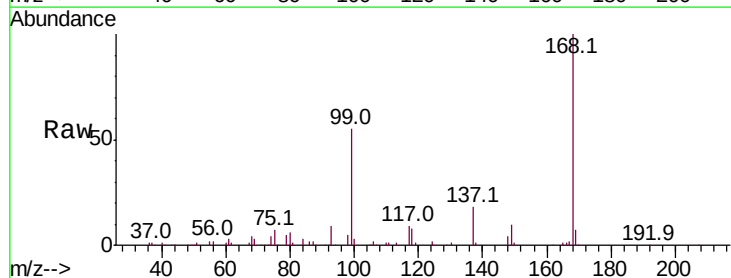


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

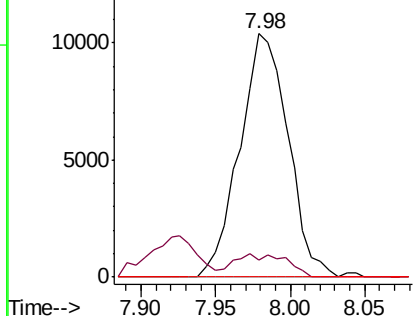
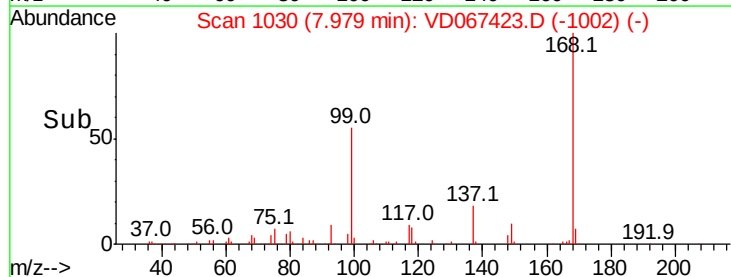


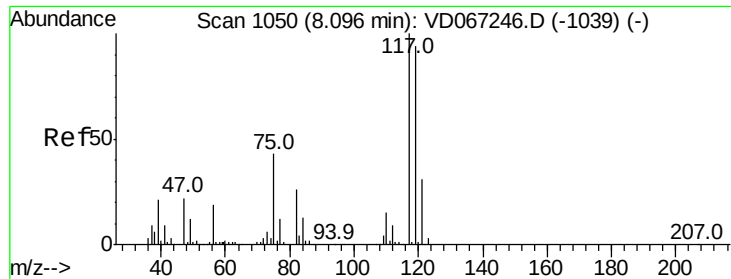
#36
 1,1-Dichloropropene
 Concen: 5.134 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067423.D
 Acq: 27 Oct 2020 20:32

Tgt Ion: 75 Resp: 23341
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.6 58.7#
 77 0.0 24.6 37.0#



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





#38

Carbon Tetrachloride

Concen: 5.909 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-13

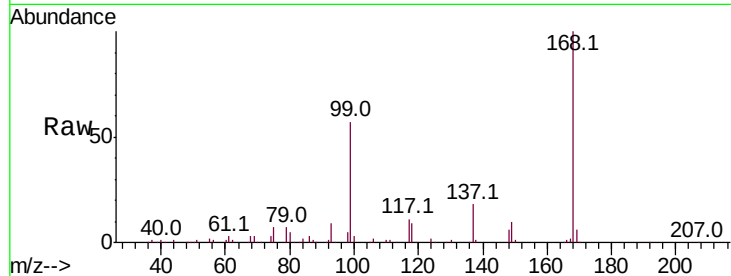
Tot Ion:117 Resp: 34334

Ion Ratio Lower Upper

117 100

119 3.5 75.0 112.4#

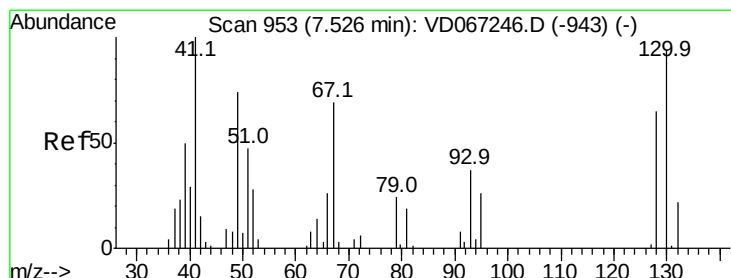
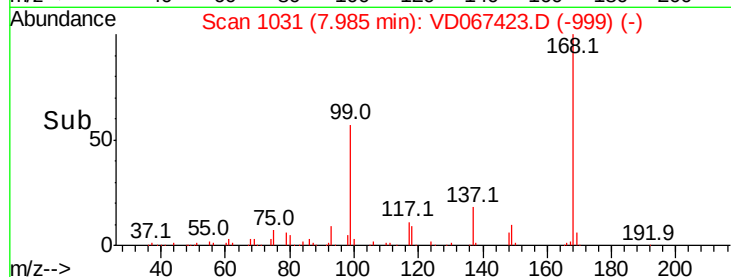
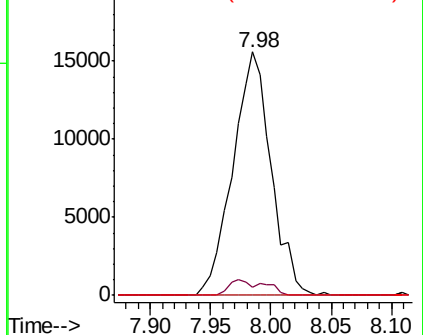
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 4.043 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.05 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Tgt Ion: 41 Resp: 2922

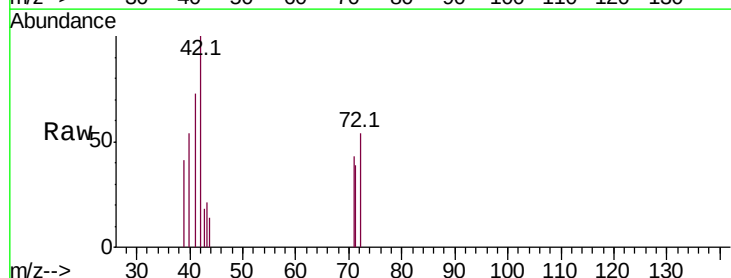
Ion Ratio Lower Upper

41 100

39 59.7 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

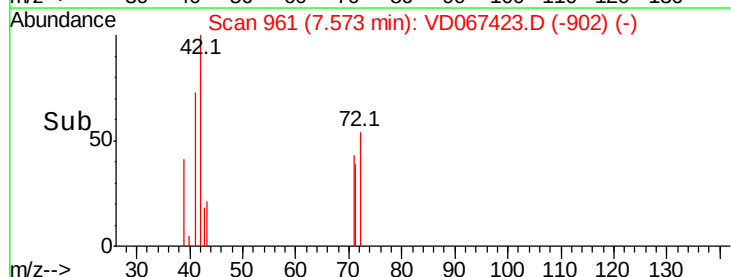
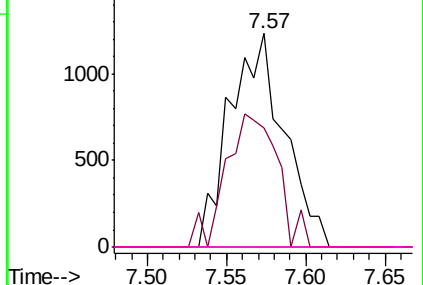


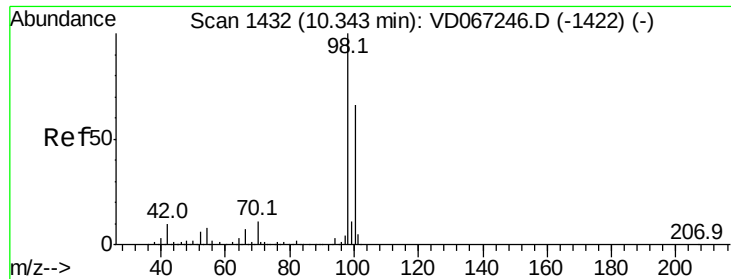
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

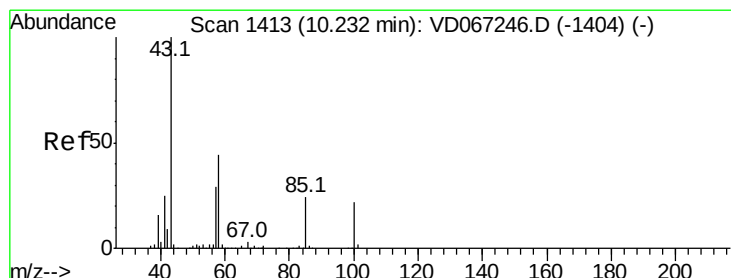
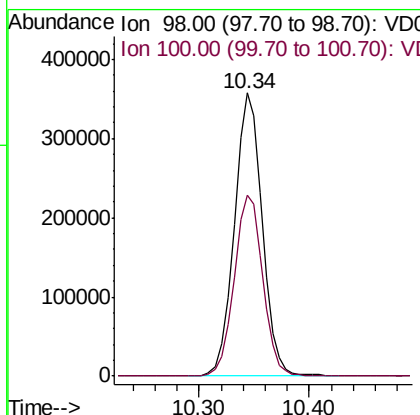
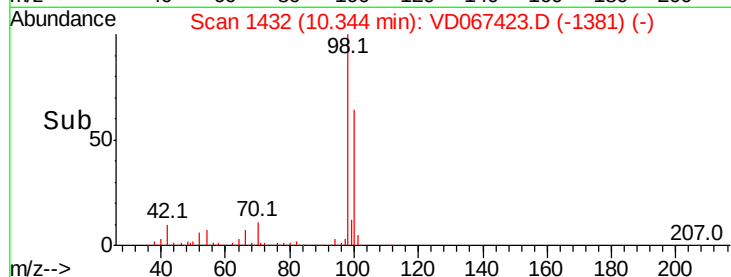
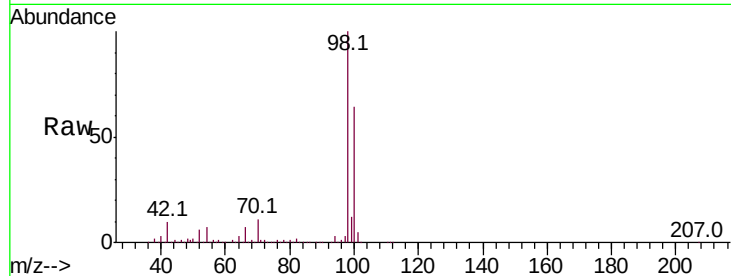




#50
Toluene-d8
Concen: 49.064 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067423.D
Acq: 27 Oct 2020 20:32

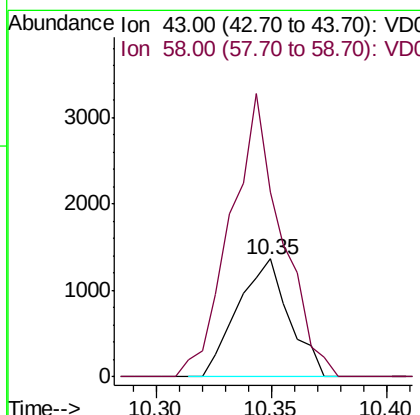
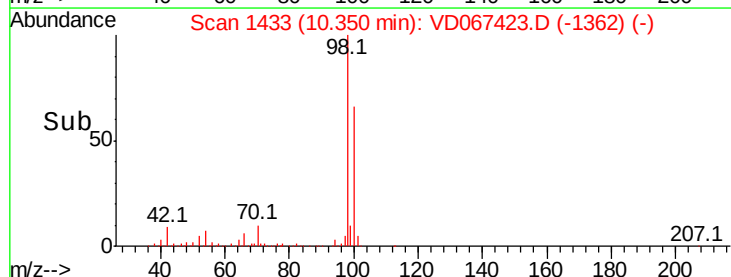
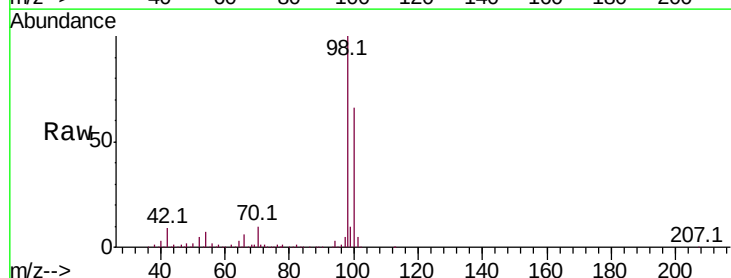
Instrument :
MSVOA_D
ClientSampleId :
VOC-13

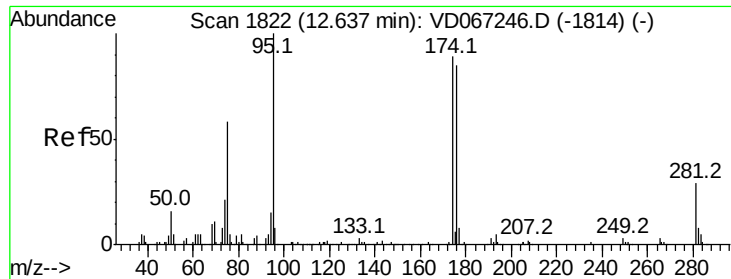
Tot Ion: 98 Resp: 633811
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.598 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD067423.D
Acq: 27 Oct 2020 20:32

Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
58 238.4 35.7 53.5#

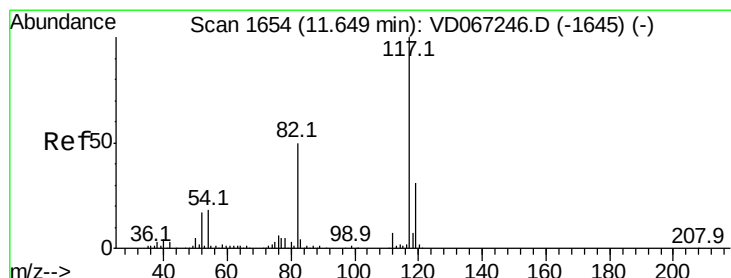
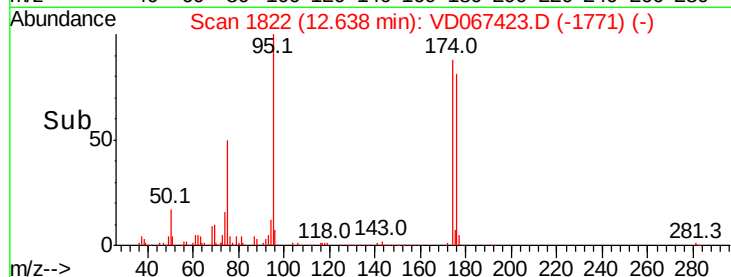
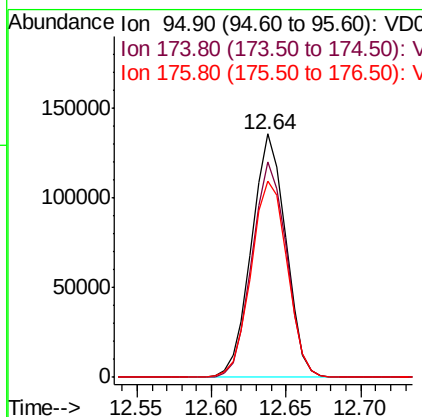
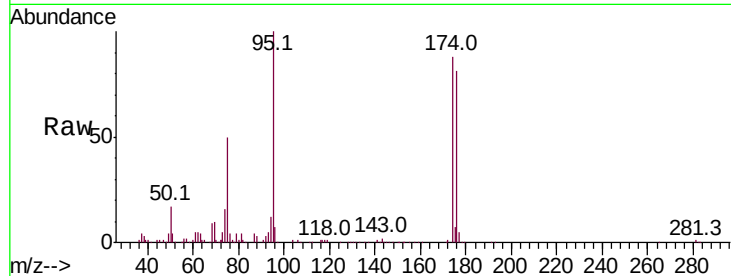




#62
4-Bromofluorobenzene
Concen: 48.003 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067423.D
Acq: 27 Oct 2020 20:32

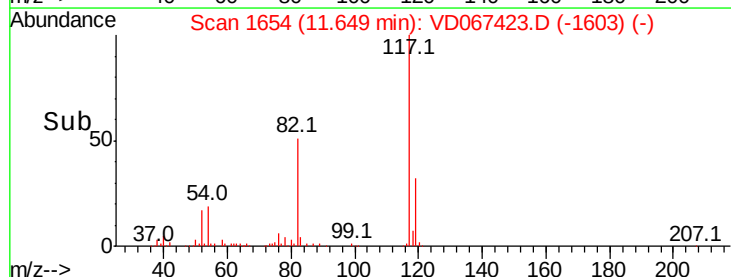
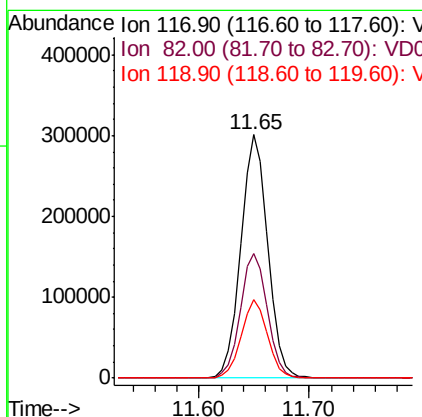
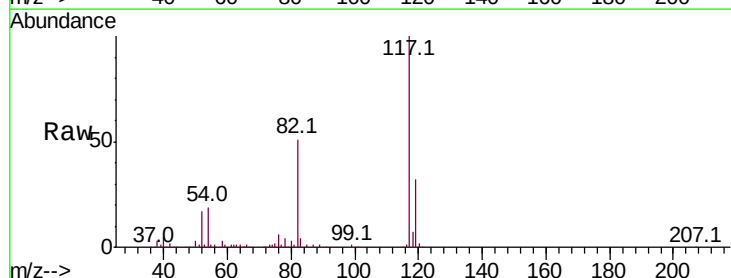
Instrument :
MSVOA_D
ClientSampleId :
VOC-13

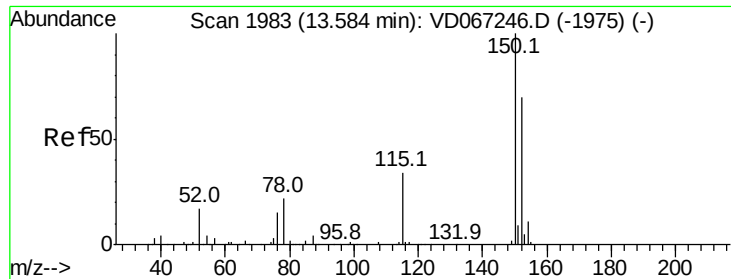
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	175.2
176	84.7	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067423.D
Acq: 27 Oct 2020 20:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	39.9	59.9
119	32.0	24.9	37.3



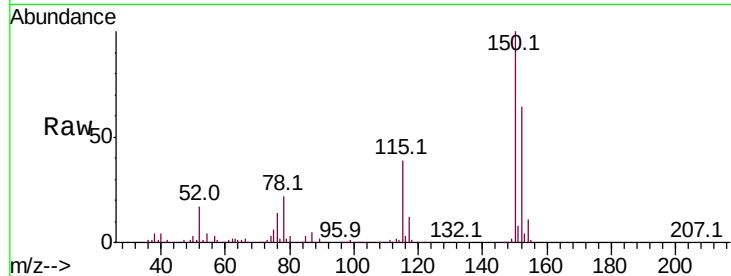


#72

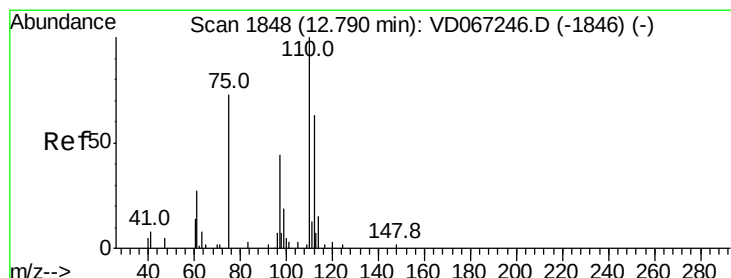
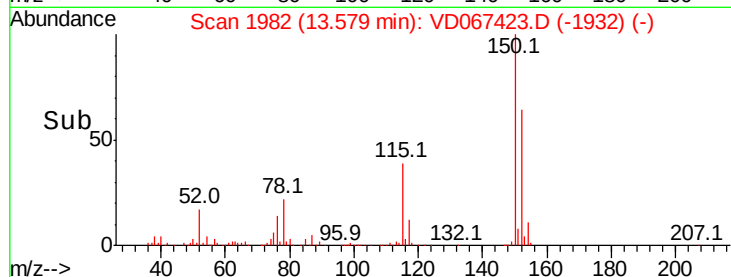
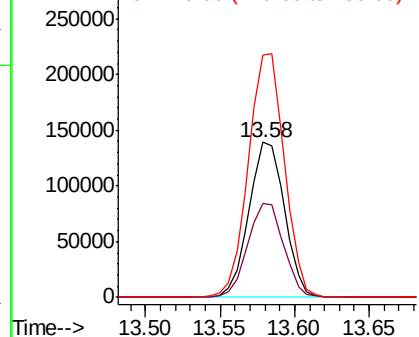
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067423.D
Acq: 27 Oct 2020 20:32

Instrument :
MSVOA_D
ClientSampled :
VOC-13

Tot Ion:152 Resp: 229343
Ion Ratio Lower Upper
152 100
115 61.1 29.3 87.9
150 158.8 0.0 339.0



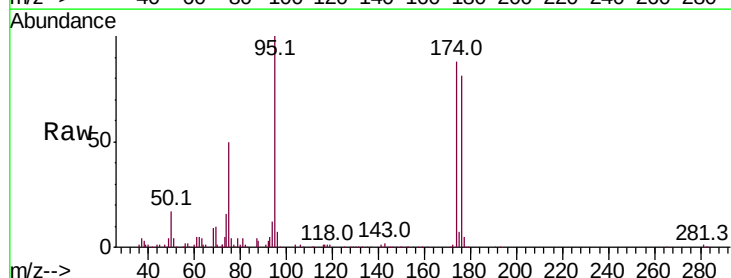
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



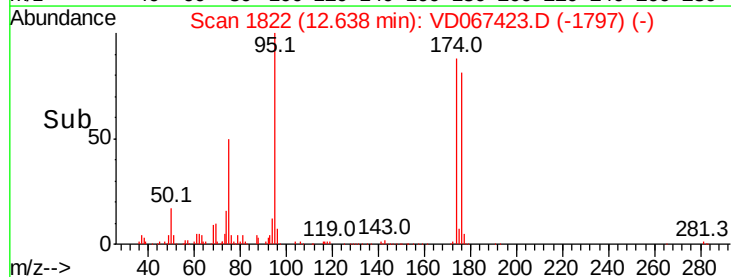
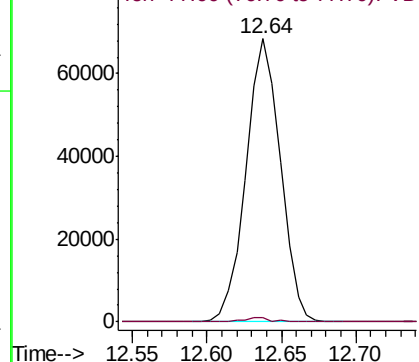
#76

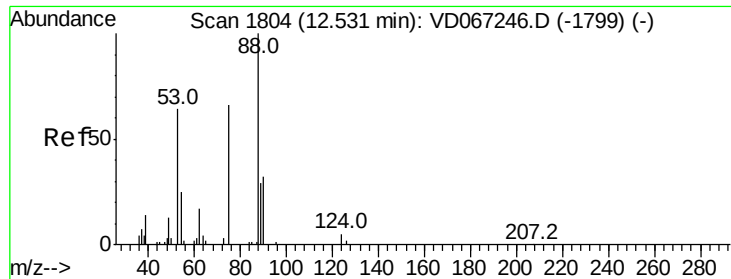
1,2,3-Trichloropropane
Concen: 68.685 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067423.D
Acq: 27 Oct 2020 20:32

Tgt Ion: 75 Resp: 109180
Ion Ratio Lower Upper
75 100
77 1.1 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: 155.758 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067423.D

Acq: 27 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

VOC-13

Tot Ion: 75 Resp: 109180

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

