

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067441.D
 Acq On : 28 Oct 2020 18:46
 Operator : VA/SY
 Sample : L4510-15
 Misc : 5.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-15

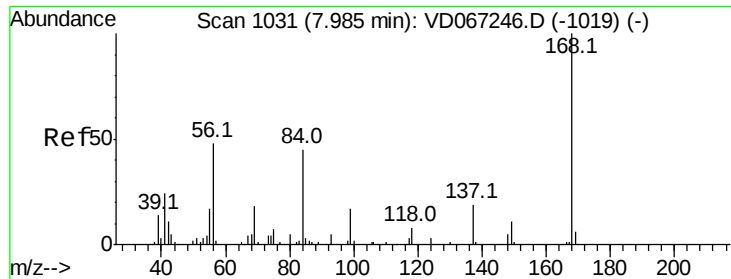
Quant Time: Oct 29 00:47:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	333736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	540844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	527838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	252537	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	162101	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	7.92	113	174783	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.34	98	622570	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.64	95	225203	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	936	Below Cal	#	44
5) Bromomethane	2.78	94	122	Below Cal	#	3
11) Tert butyl alcohol	5.20	59	520	Below Cal	#	81
20) Methylene Chloride	4.96	84	2461	Below Cal	#	69
29) Tetrahydrofuran	7.58	42	770	2.595	ug/l #	59
31) Cyclohexane	7.98	56	6708	1.742	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	22619	4.934	ug/l #	50
38) Carbon Tetrachloride	7.98	117	33095	5.649	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2258	1.692	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	114393	65.355	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	114393	148.207	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067441.D

Acq: 28 Oct 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

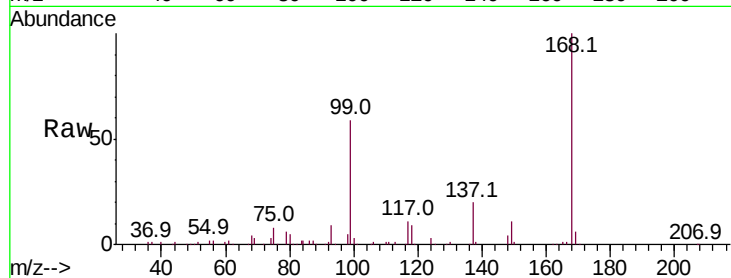
VOC-15

Tot Ion:168 Resp: 333736

Ion Ratio Lower Upper

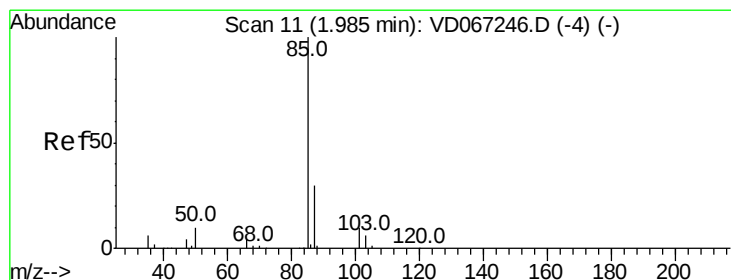
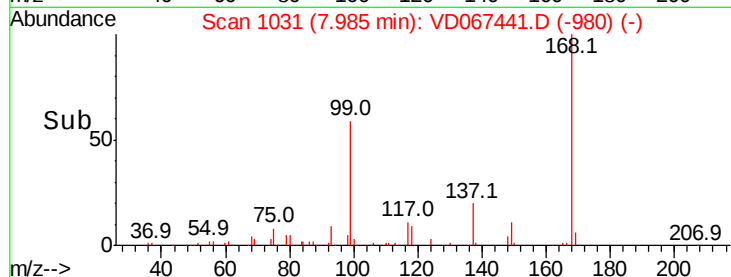
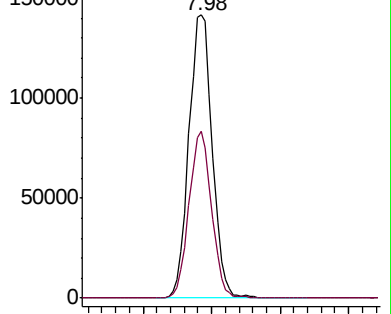
168 100

99 59.0 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: VD067441.D

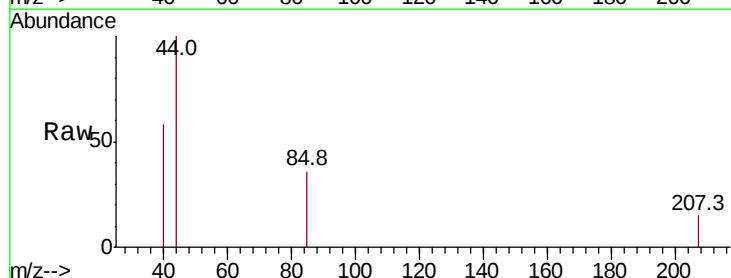
Acq: 28 Oct 2020 18:46

Tgt Ion: 85 Resp: 936

Ion Ratio Lower Upper

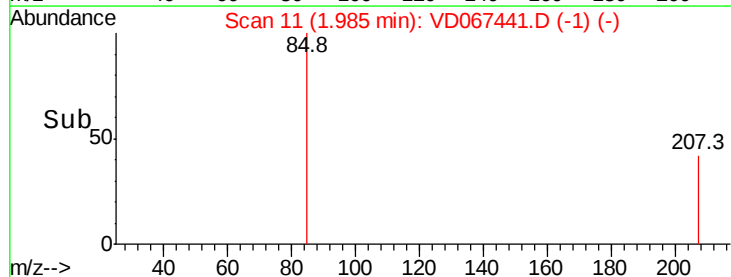
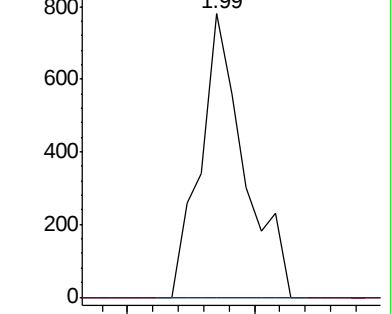
85 100

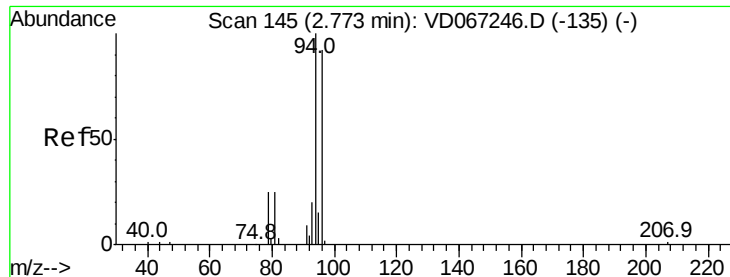
87 0.0 15.2 45.6#



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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067441.D

Acq: 28 Oct 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

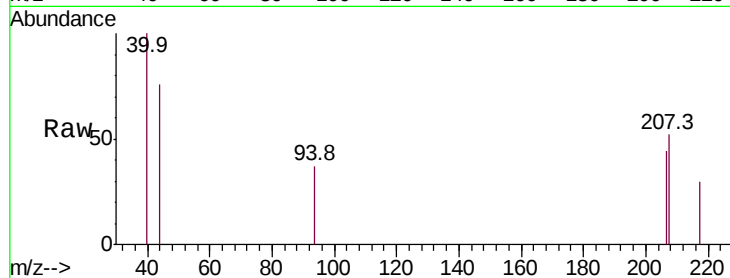
VOC-15

Tot Ion: 94 Resp: 122

Ion Ratio Lower Upper

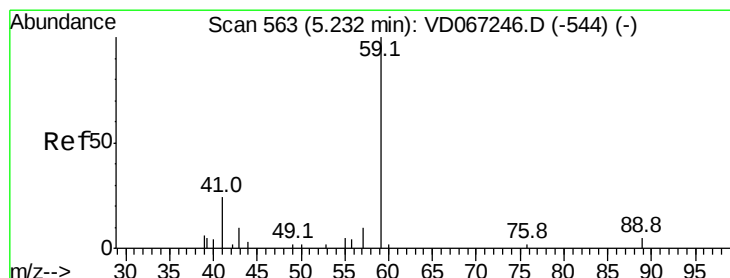
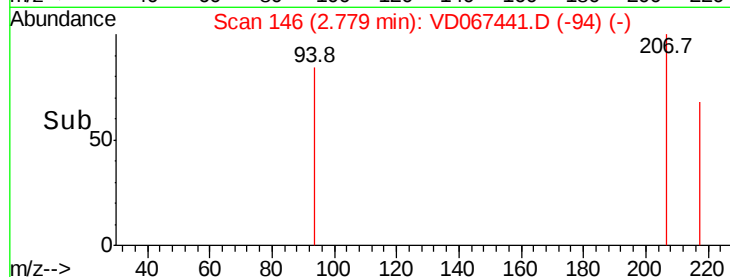
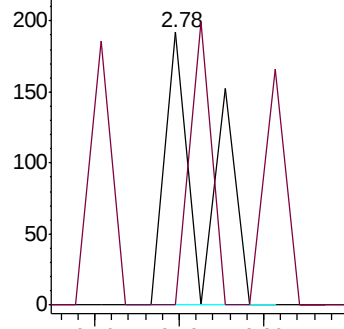
94 100

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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD067441.D

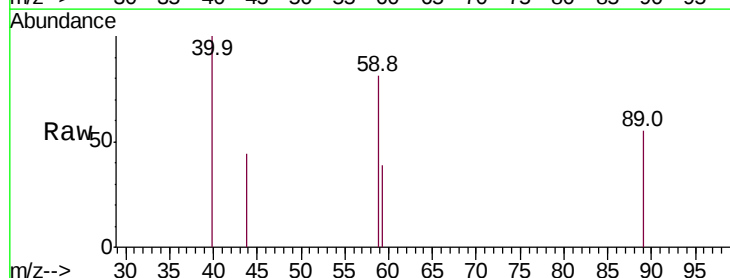
Acq: 28 Oct 2020 18:46

Tgt Ion: 59 Resp: 520

Ion Ratio Lower Upper

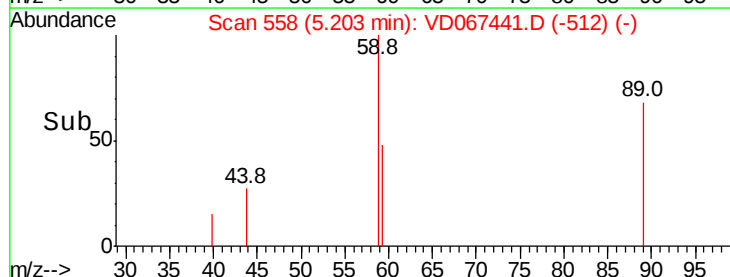
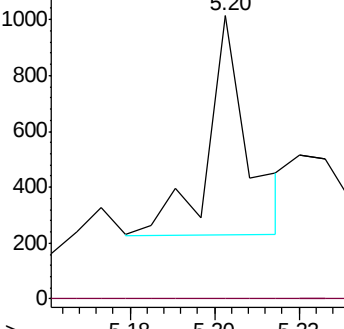
59 100

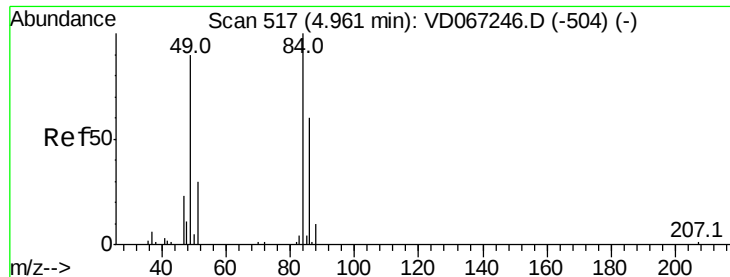
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

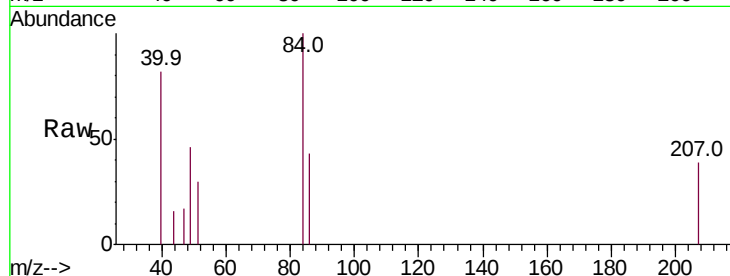




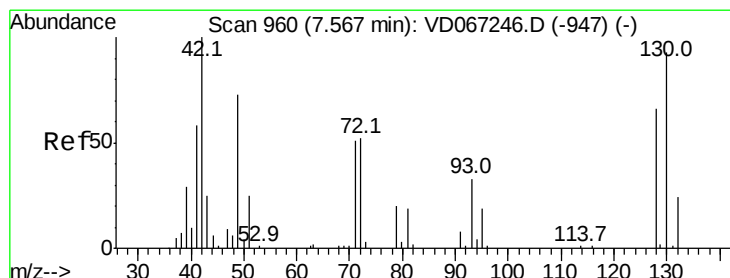
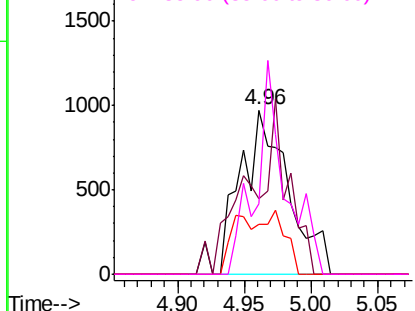
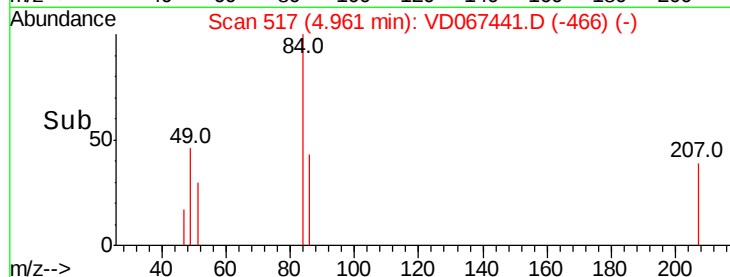
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067441.D
Acq: 28 Oct 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VOC-15

Tot Ion: 84 Resp: 2461
Ion Ratio Lower Upper
84 100
49 46.1 72.2 108.2#
51 30.3 23.8 35.8
86 43.1 48.2 72.4#

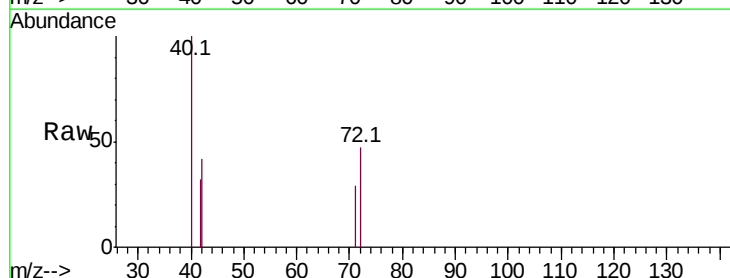


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

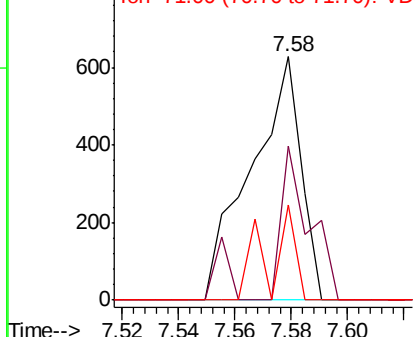
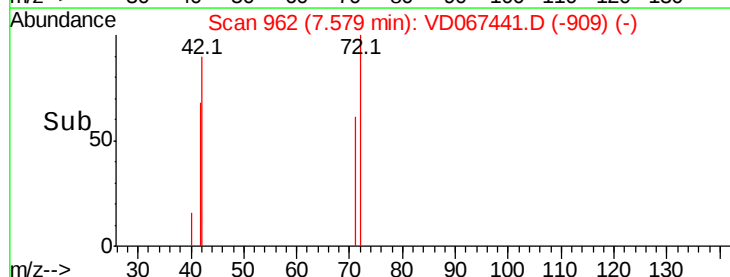


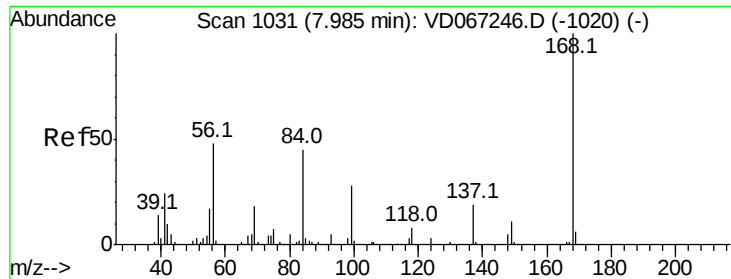
#29
Tetrahydrofuran
Concen: 2.595 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD067441.D
Acq: 28 Oct 2020 18:46

Tgt Ion: 42 Resp: 770
Ion Ratio Lower Upper
42 100
72 35.3 43.2 64.8#
71 9.6 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

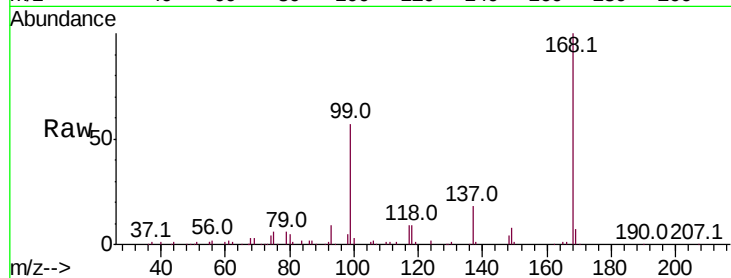




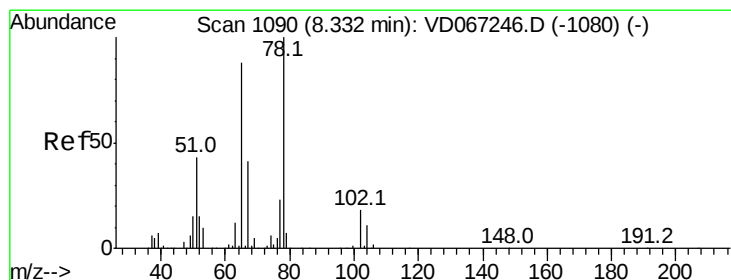
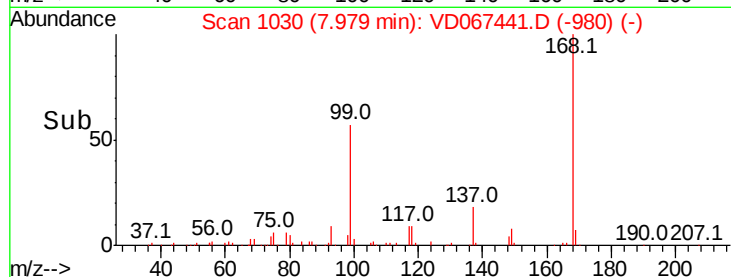
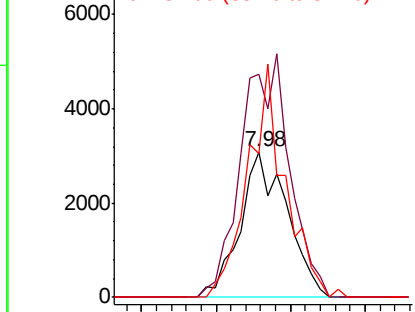
#31
Cyclohexane
Concen: 1.742 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067441.D
Acq: 28 Oct 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VOC-15

Tot Ion: 56 Resp: 6708
Ion Ratio Lower Upper
56 100
69 153.6 29.8 44.6#
84 99.0 76.6 114.8

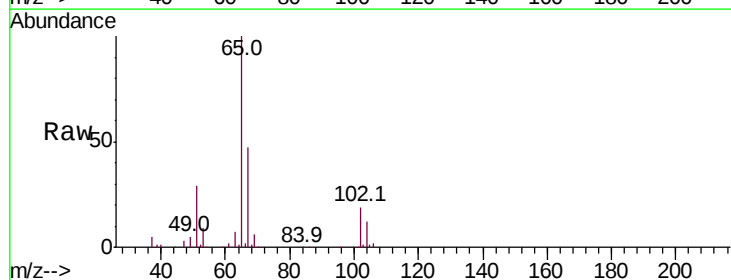


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

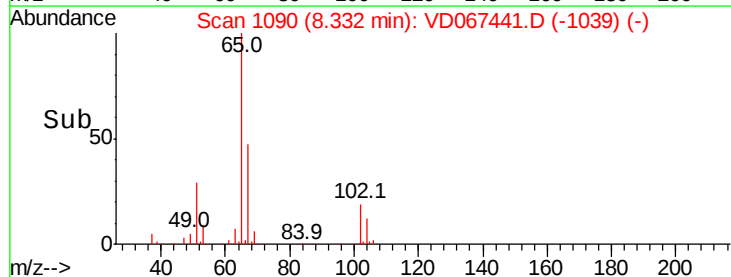
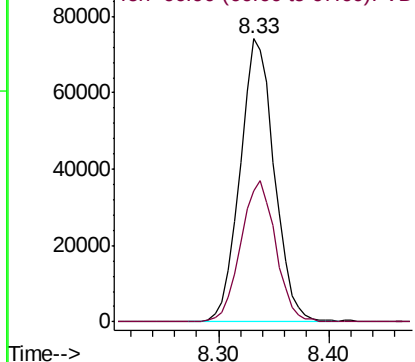


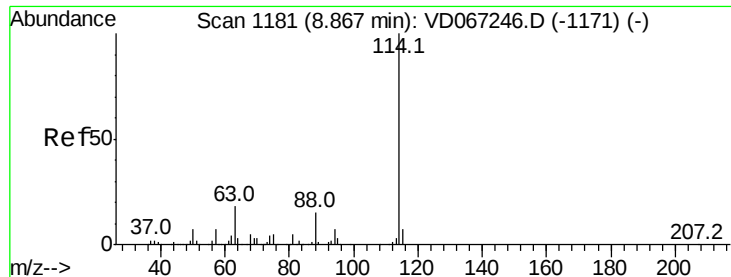
#33
1,2-Dichloroethane-d4
Concen: 48.482 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067441.D
Acq: 28 Oct 2020 18:46

Tgt Ion: 65 Resp: 162101
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.8



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

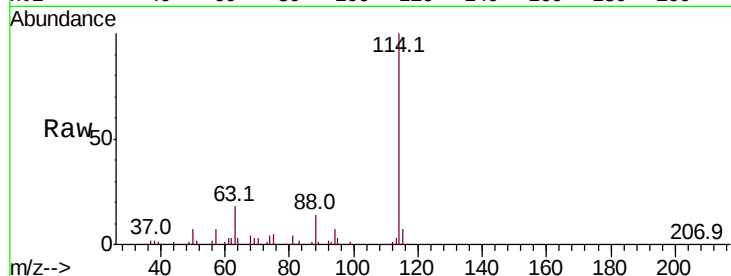




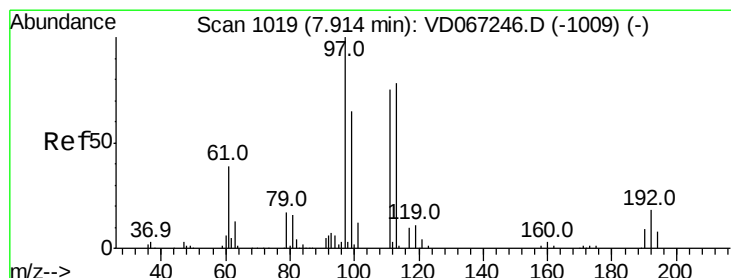
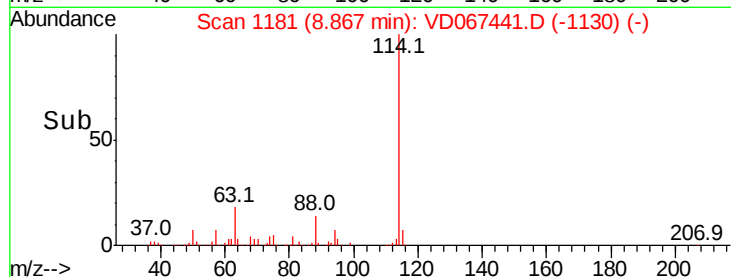
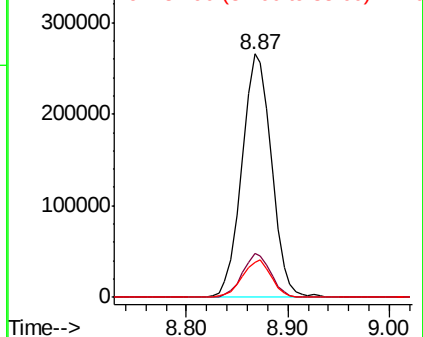
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067441.D
 Acq: 28 Oct 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-15

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.0
88	14.1	0.0	30.6

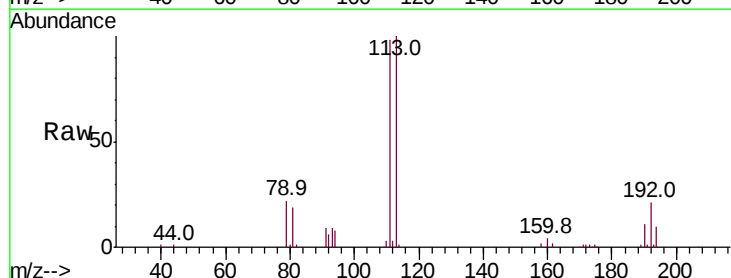


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

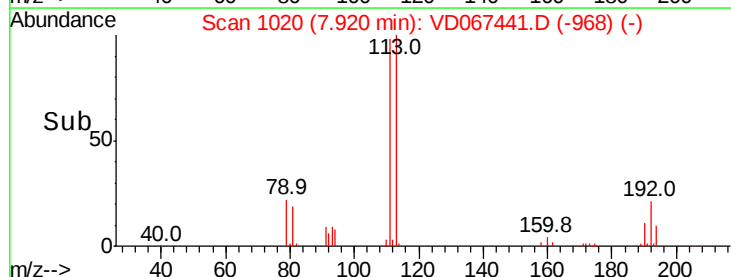
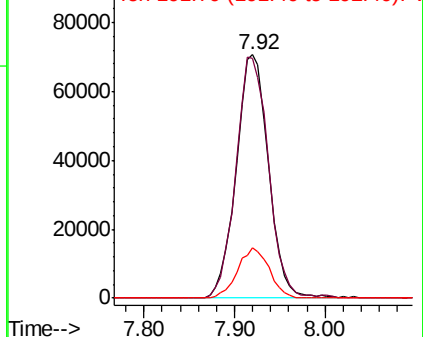


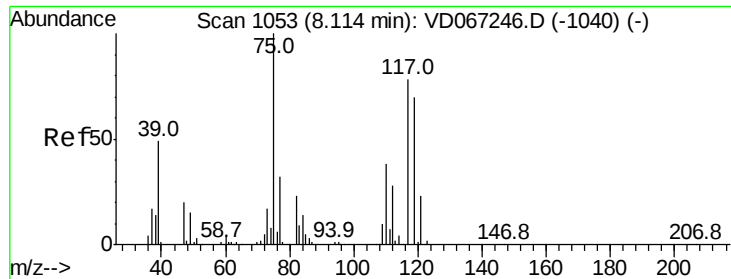
#35
 Dibromofluoromethane
 Concen: 48.560 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067441.D
 Acq: 28 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.6	122.4
192	20.2	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

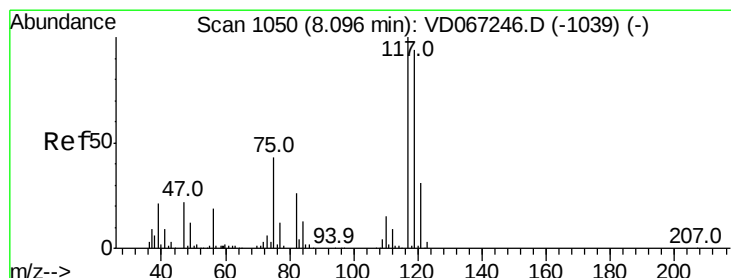
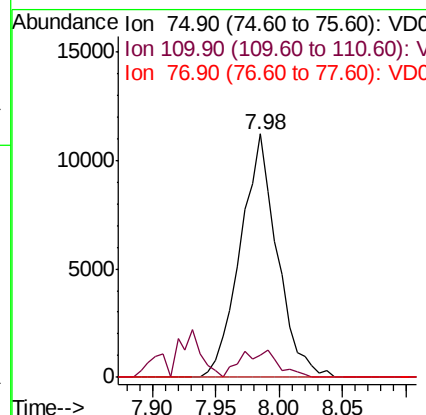
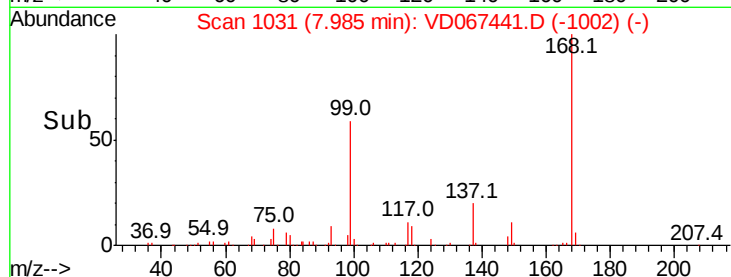
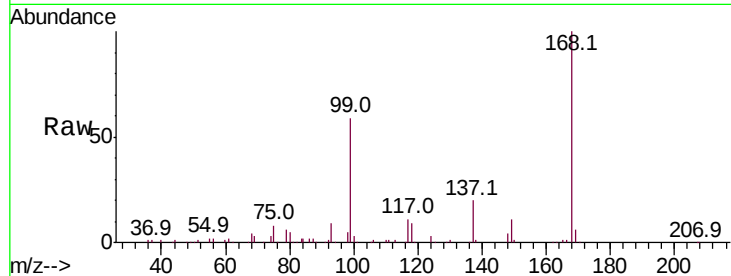




#36
 1,1-Dichloropropene
 Concen: 4.934 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067441.D
 Acq: 28 Oct 2020 18:46

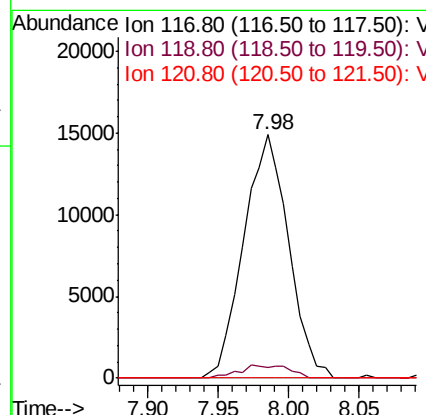
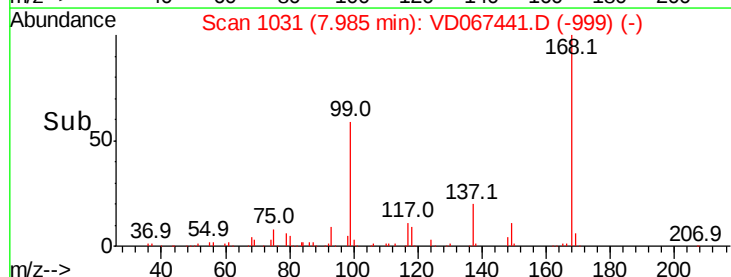
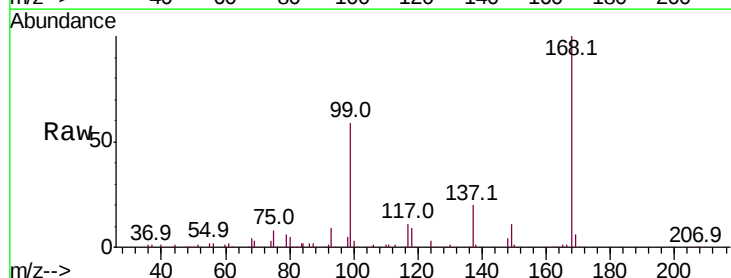
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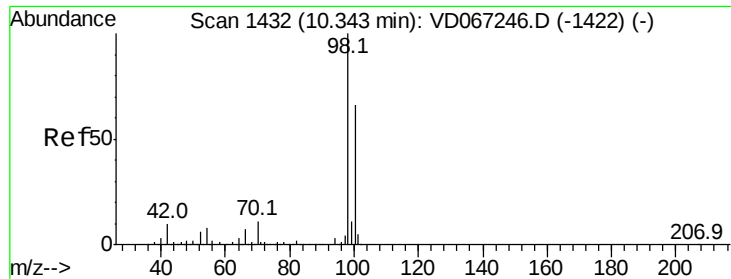
Tot Ion: 75 Resp: 22619
 Ion Ratio Lower Upper
 75 100
 110 11.6 19.6 58.7#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.649 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067441.D
 Acq: 28 Oct 2020 18:46

Tgt Ion: 117 Resp: 33095
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.0 112.4#
 121 0.0 24.9 37.3#

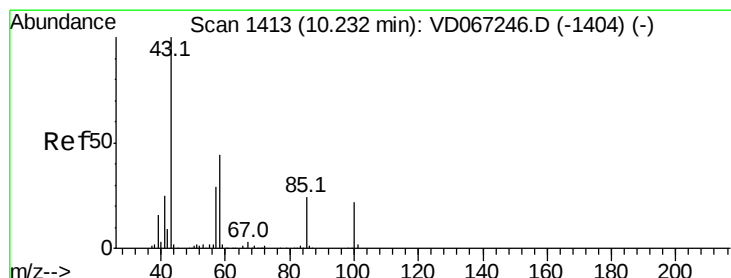
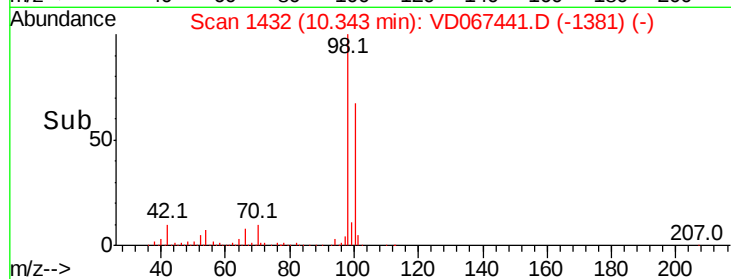
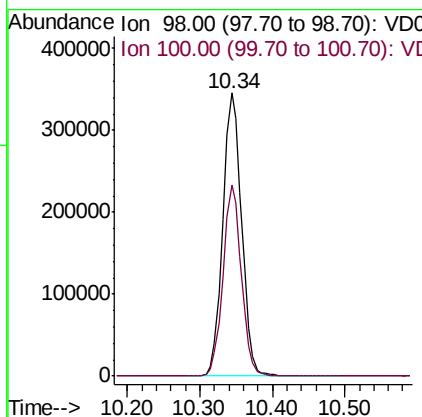
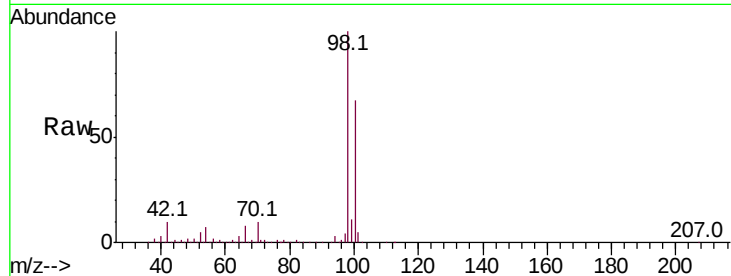




#50
Toluene-d8
Concen: 47.796 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067441.D
Acq: 28 Oct 2020 18:46

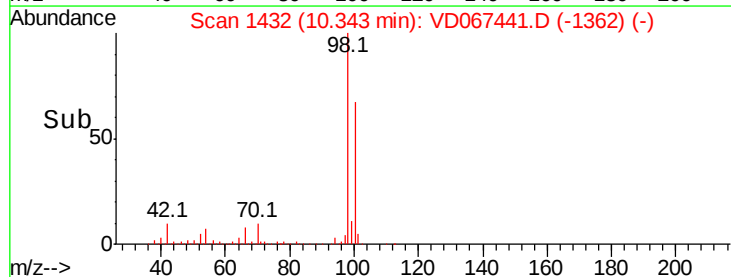
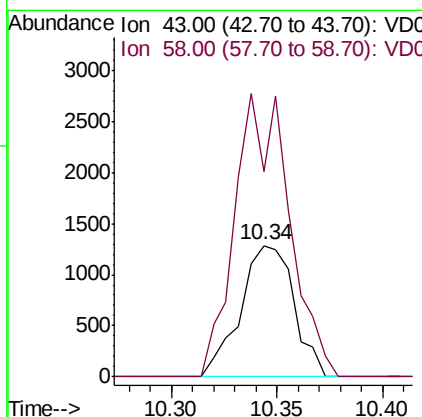
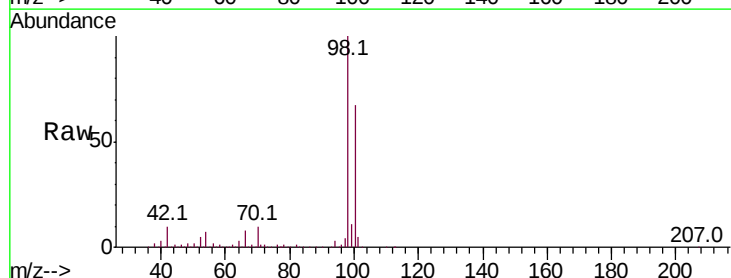
Instrument :
MSVOA_D
ClientSampleId :
VOC-15

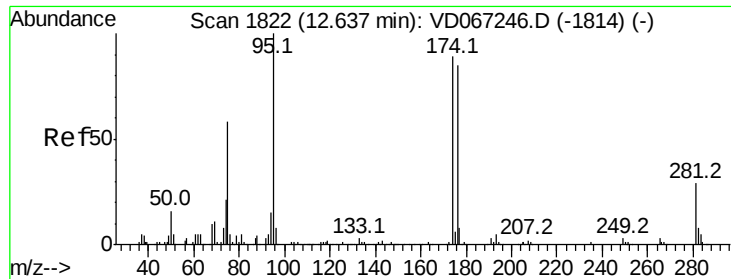
Tot Ion: 98 Resp: 622570
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.692 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067441.D
Acq: 28 Oct 2020 18:46

Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
58 218.0 35.7 53.5#

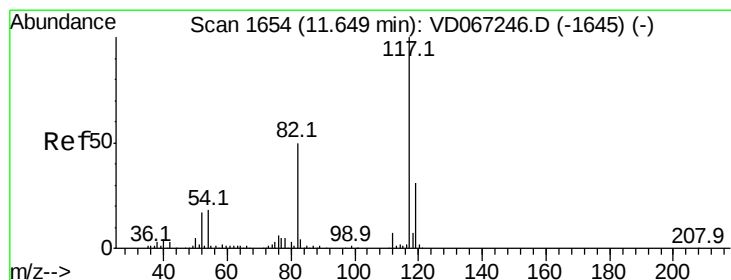
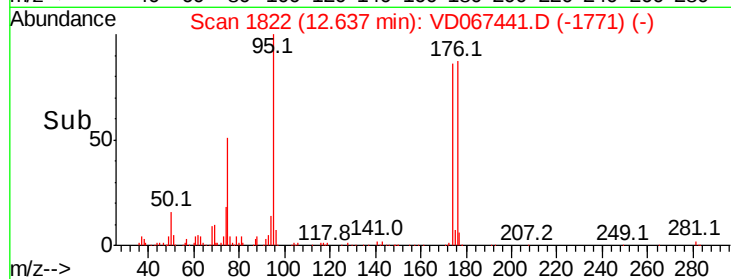
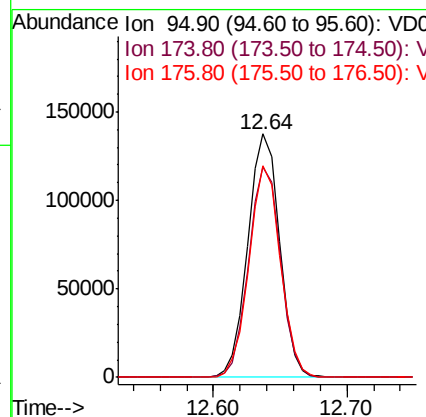
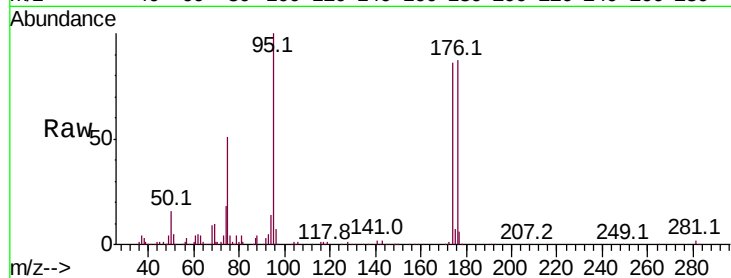




#62
4-Bromofluorobenzene
Concen: 49.721 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067441.D
Acq: 28 Oct 2020 18:46

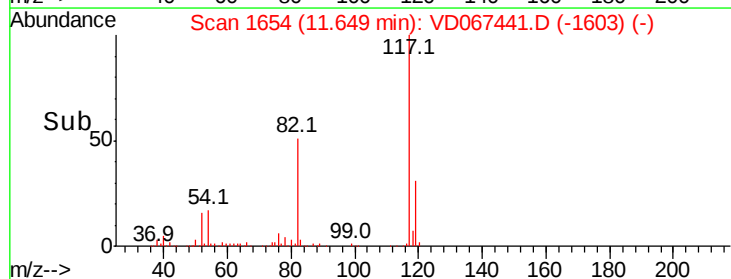
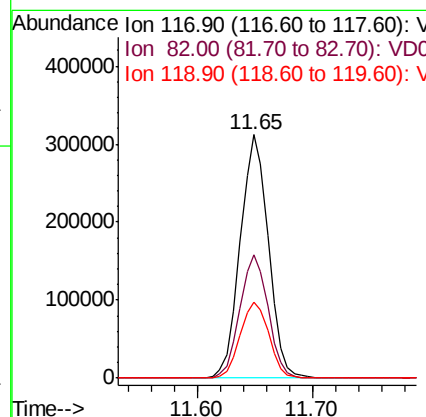
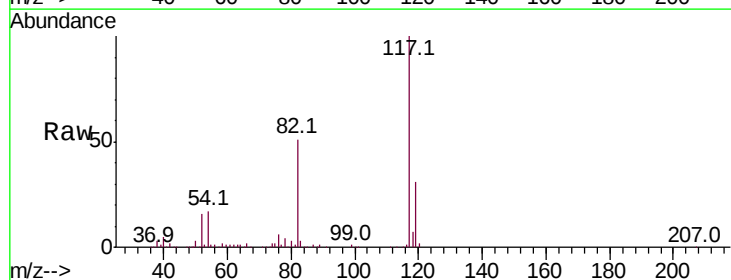
Instrument :
MSVOA_D
ClientSampleId :
VOC-15

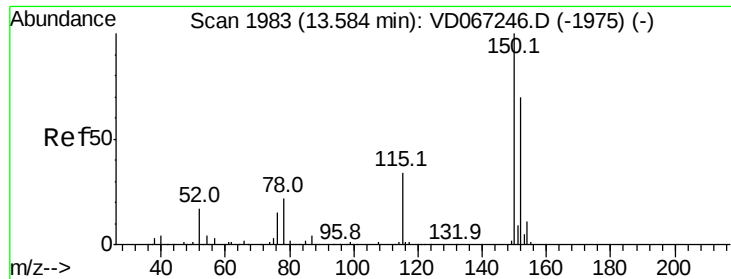
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	175.2
176	85.7	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067441.D
Acq: 28 Oct 2020 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.6	39.9	59.9
119	31.1	24.9	37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067441.D

Acq: 28 Oct 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VOC-15

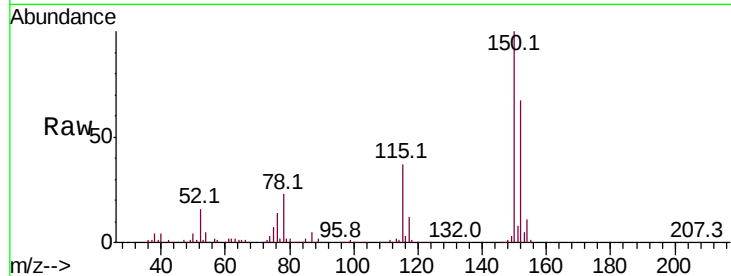
Tot Ion:152 Resp: 252537

Ion Ratio Lower Upper

152 100

115 57.5 29.3 87.9

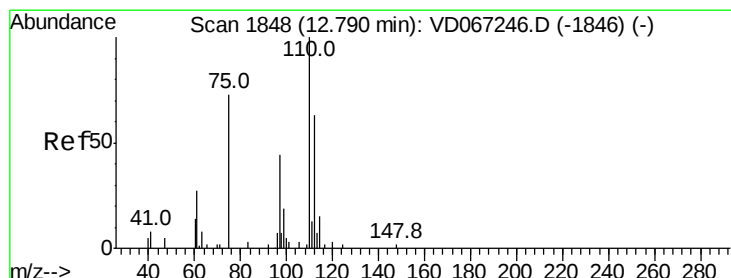
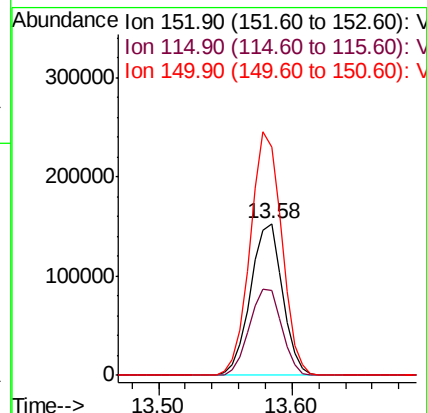
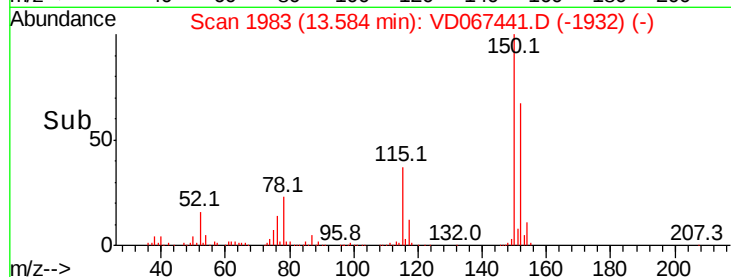
150 158.0 0.0 339.0



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: 65.355 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067441.D

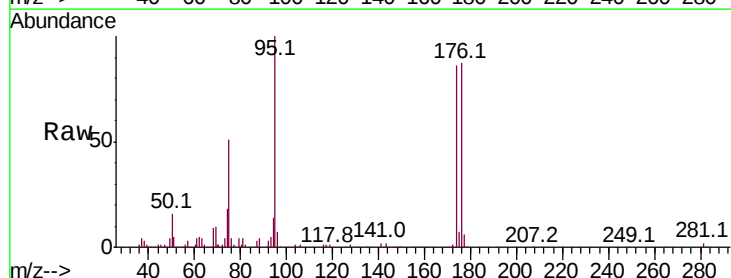
Acq: 28 Oct 2020 18:46

Tgt Ion: 75 Resp: 114393

Ion Ratio Lower Upper

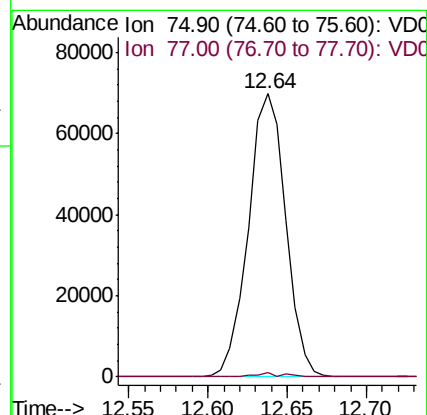
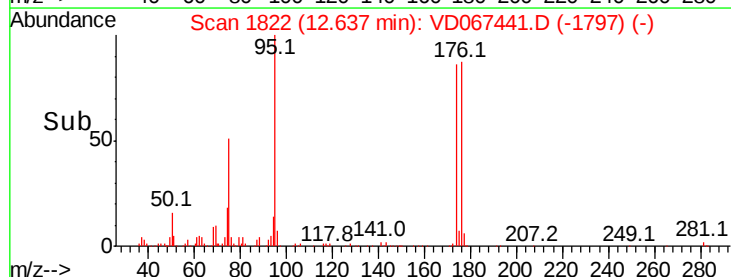
75 100

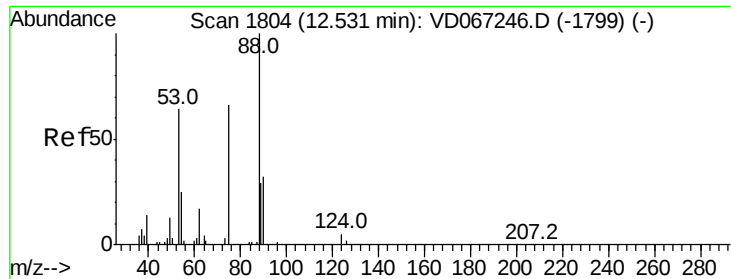
77 0.9 0.0 0.0#



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: 148.207 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067441.D

Acq: 28 Oct 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VOC-15

Tot Ion: 75 Resp: 114393

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

