

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067412.D
 Acq On : 27 Oct 2020 15:29
 Operator : VA/SY
 Sample : L4510-07RE
 Misc : 6.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-7

Quant Time: Oct 28 00:45:47 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	7.99	168	309177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163192	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.92	113	167822	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.34	98	599248	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.64	95	212224	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

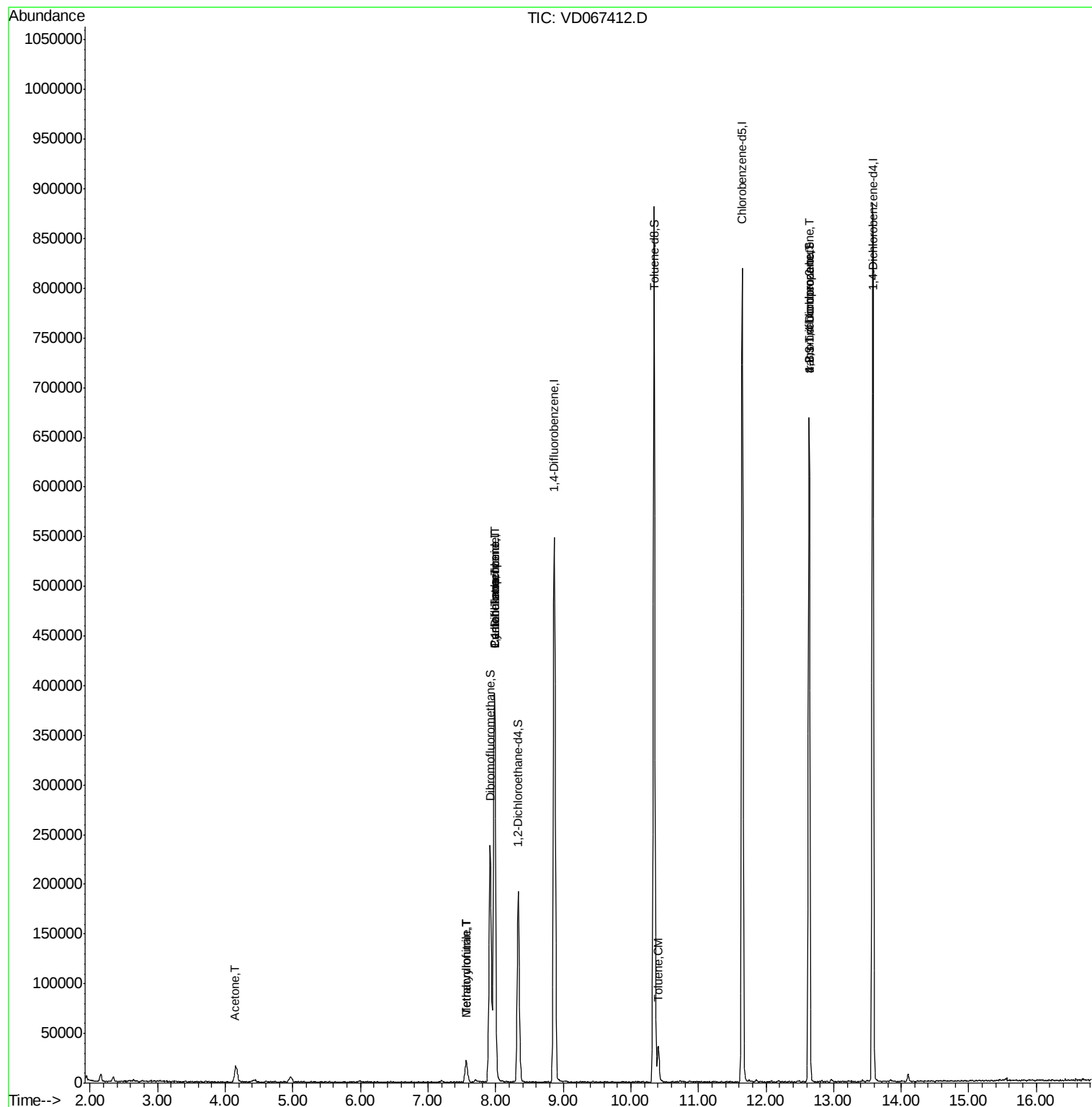
						Qvalue
2) Dichlorodifluoromethane	1.99	85	241	Below Cal	#	44
5) Bromomethane	2.79	94	190	Below Cal	#	3
11) Tert butyl alcohol	5.20	59	58	Below Cal	#	81
16) Acetone	4.15	43	29431	67.844	ug/l #	86
20) Methylene Chloride	4.97	84	4560	Below Cal	#	87
29) Tetrahydrofuran	7.56	42	15706	57.138	ug/l	97
31) Cyclohexane	7.99	56	6413	1.798	ug/l #	53
36) 1,1-Dichloropropene	7.99	75	21200	5.000	ug/l #	49
38) Carbon Tetrachloride	7.99	117	32440	5.986	ug/l #	16
41) Methacrylonitrile	7.57	41	9353	13.874	ug/l #	29
52) Toluene	10.40	92	14209	1.794	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	109795	63.678	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109795	144.402	ug/l #	10

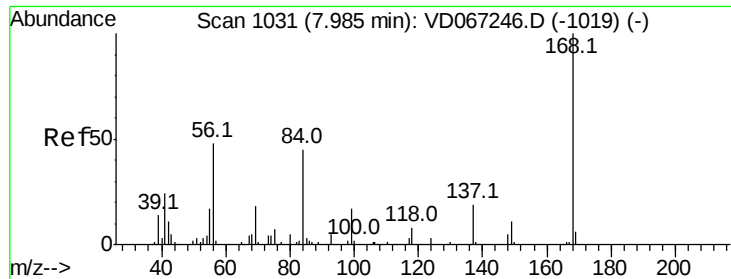
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

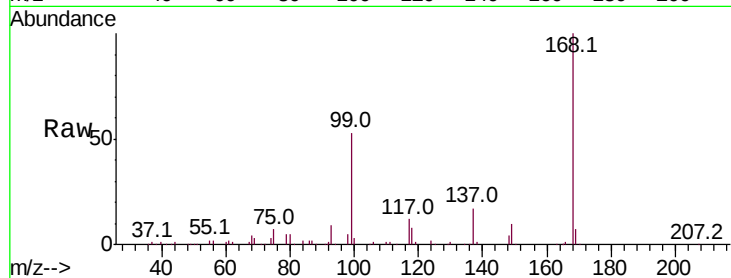
VOC-7

Tot Ion:168 Resp: 309177

Ion Ratio Lower Upper

168 100

99 53.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

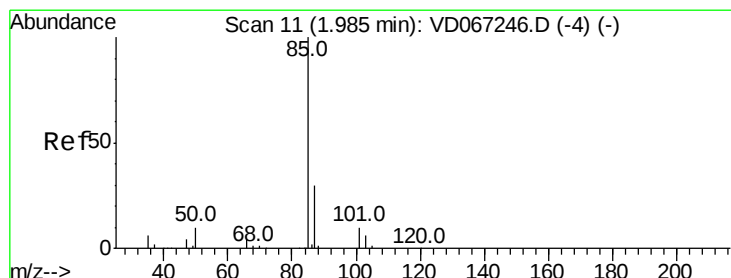
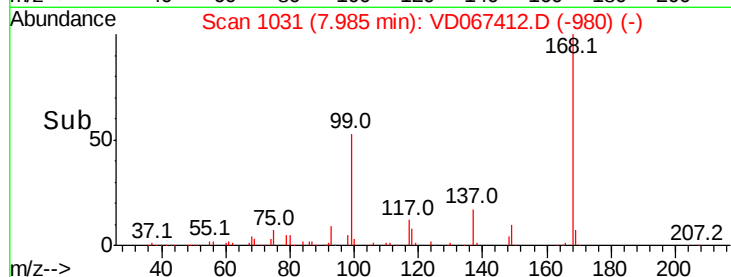
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067412.D

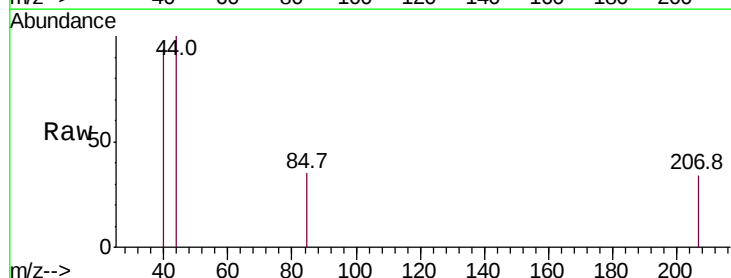
Acq: 27 Oct 2020 15:29

Tgt Ion: 85 Resp: 241

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

1.99

400

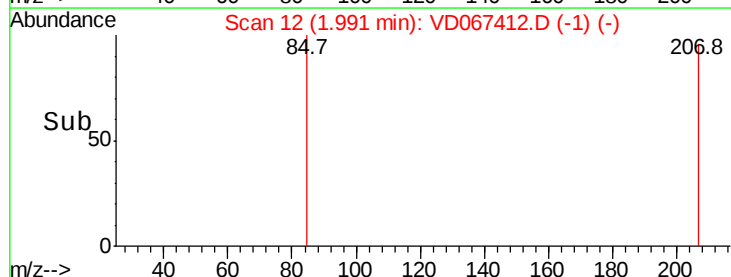
300

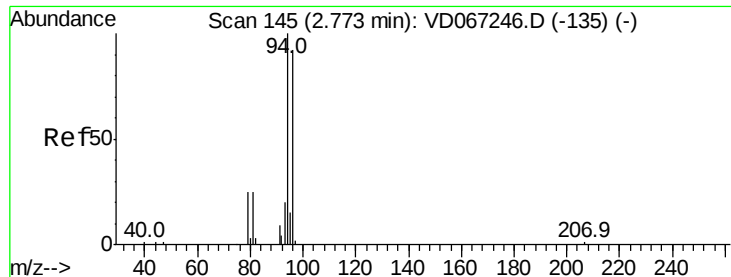
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

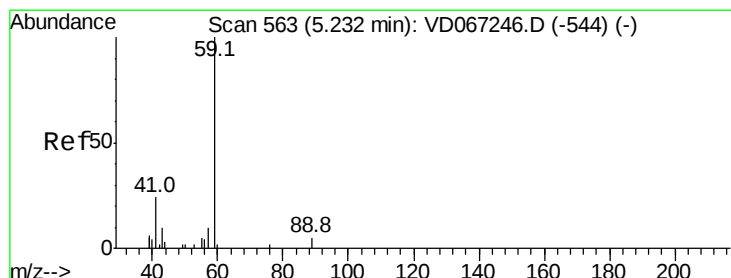
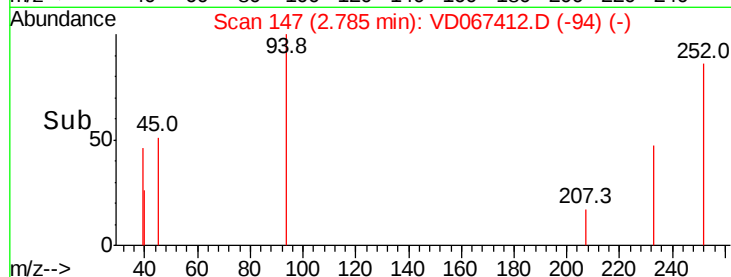
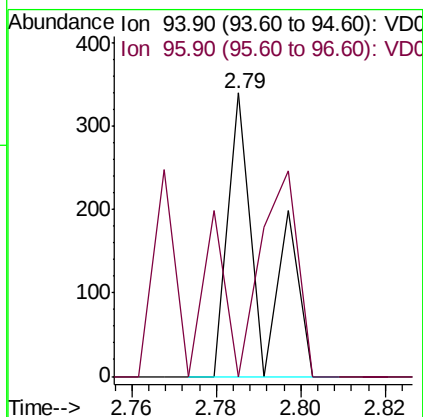
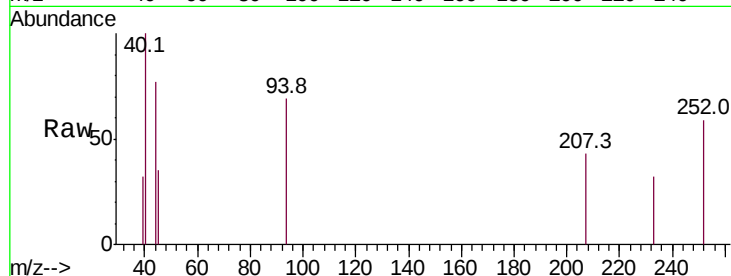
VOC-7

Tot Ion: 94 Resp: 190

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD067412.D

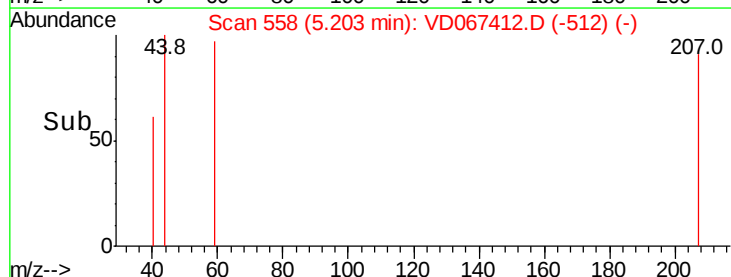
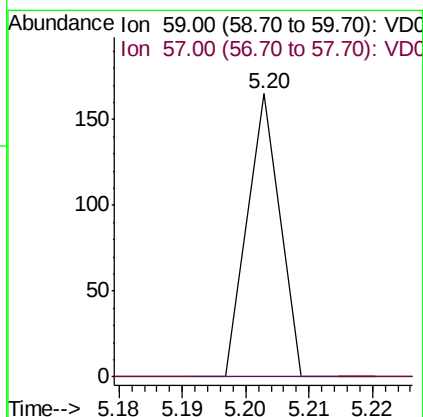
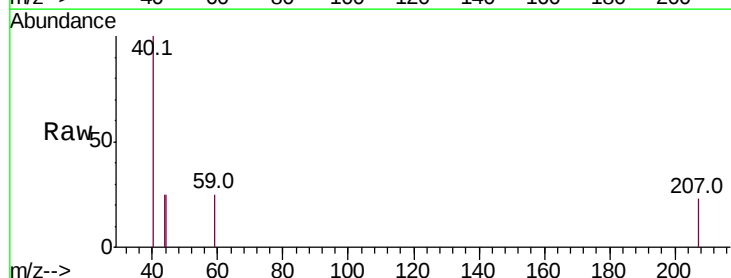
Acq: 27 Oct 2020 15:29

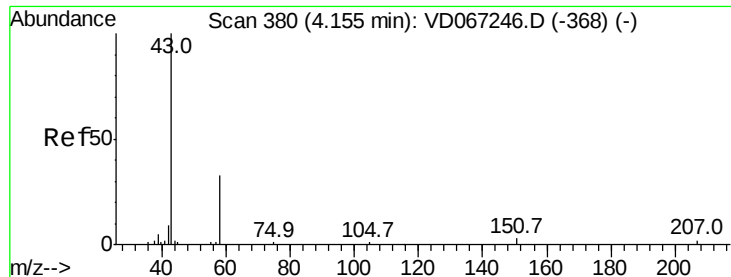
Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#





#16

Acetone

Concen: 67.844 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampled :

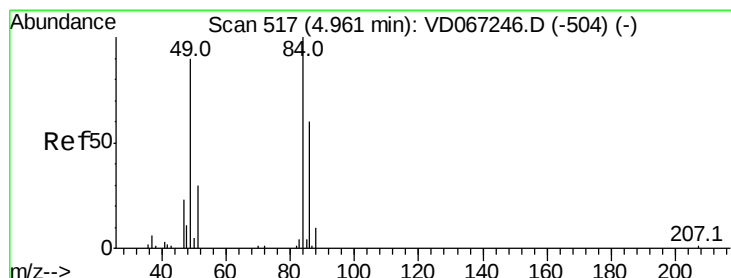
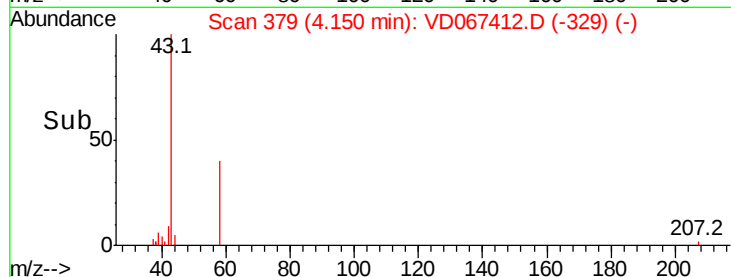
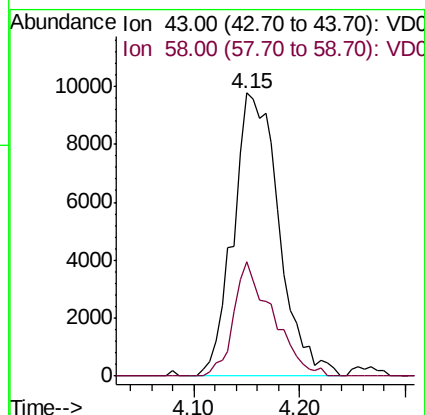
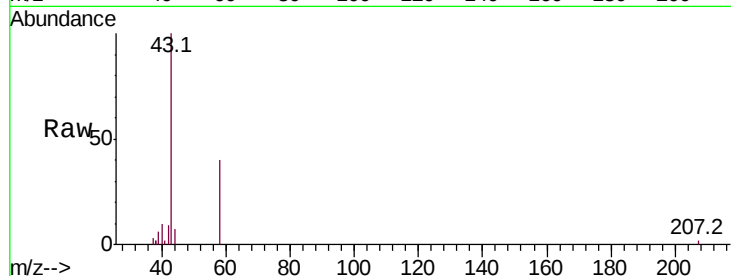
VOC-7

Tot Ion: 43 Resp: 29431

Ion Ratio Lower Upper

43 100

58 40.4 26.1 39.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Tgt Ion: 84 Resp: 4560

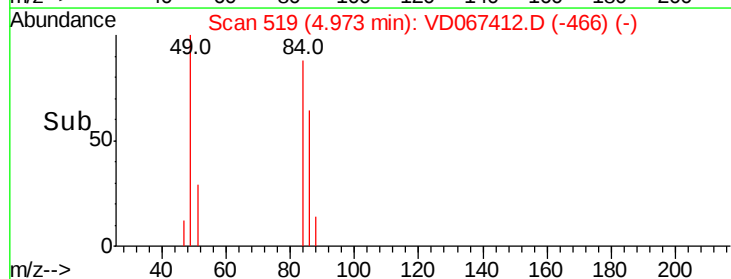
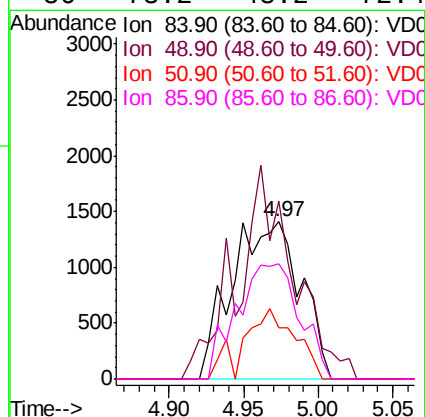
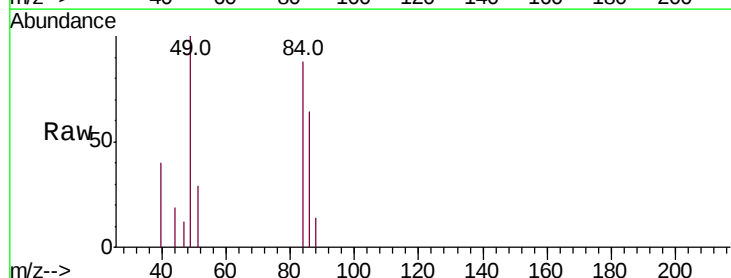
Ion Ratio Lower Upper

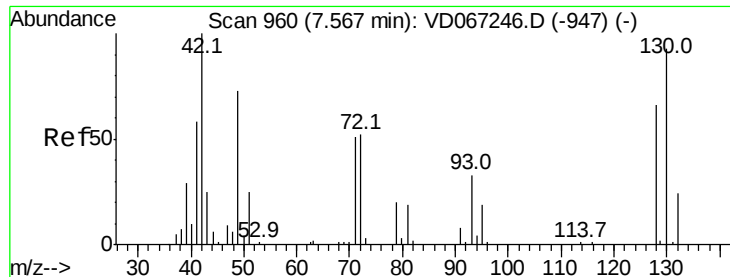
84 100

49 102.4 72.2 108.2

51 32.4 23.8 35.8

86 73.2 48.2 72.4#





#29

Tetrahydrofuran

Concen: 57.138 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampled :

VOC-7

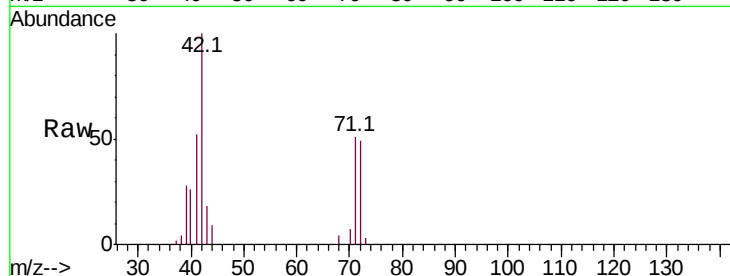
Tot Ion: 42 Resp: 15706

Ion Ratio Lower Upper

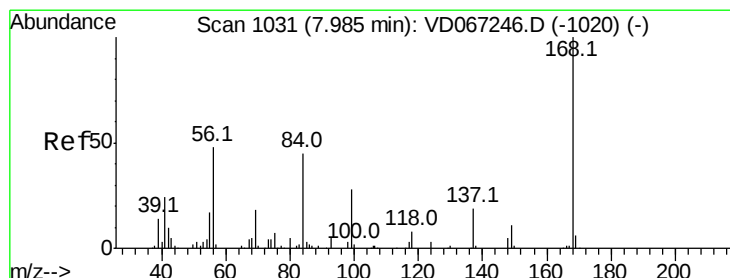
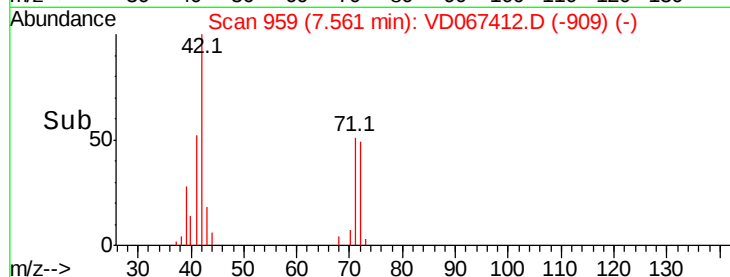
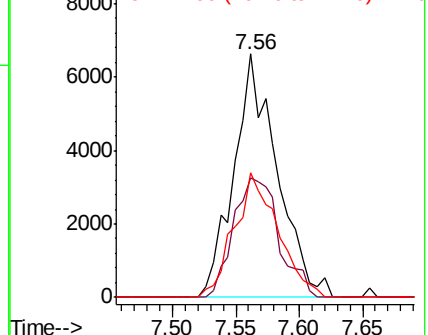
42 100

72 51.8 43.2 64.8

71 51.8 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: 1.798 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

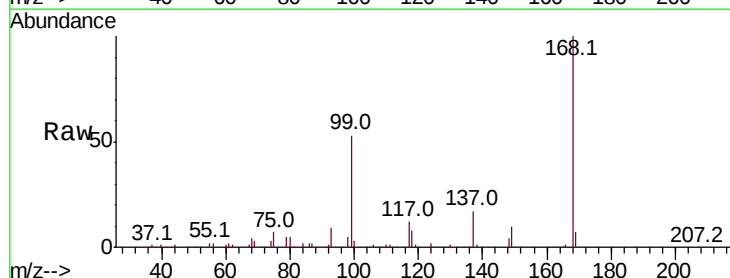
Tgt Ion: 56 Resp: 6413

Ion Ratio Lower Upper

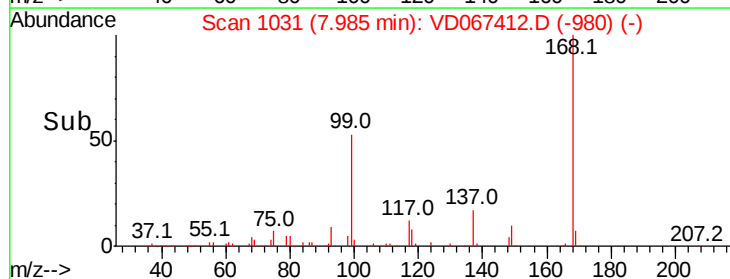
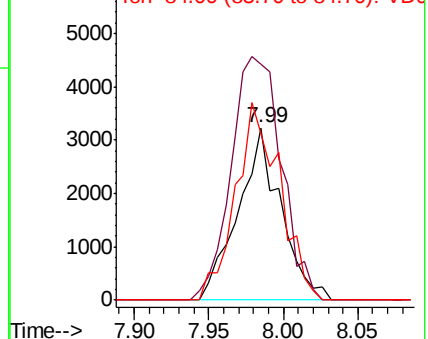
56 100

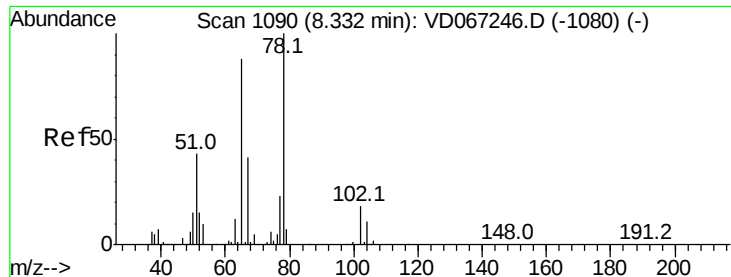
69 136.5 29.8 44.6#

84 96.5 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: 52.685 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

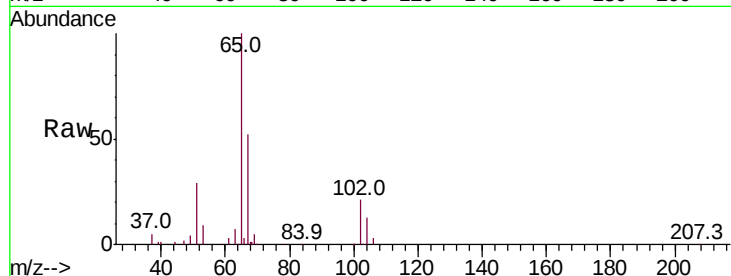
VOC-7

Tot Ion: 65 Resp: 163192

Ion Ratio Lower Upper

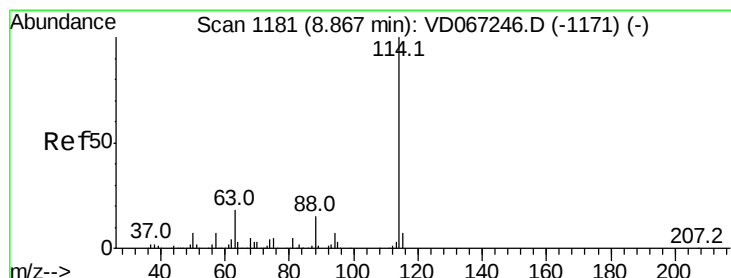
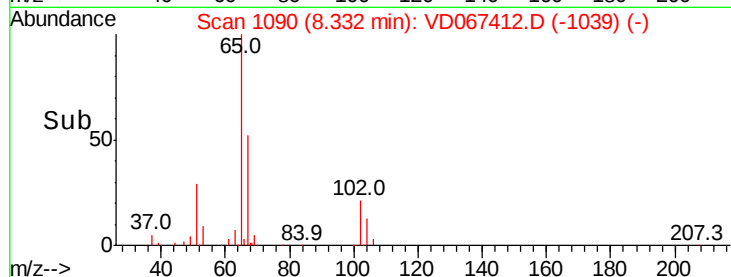
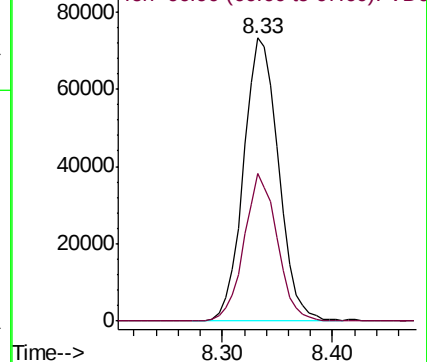
65 100

67 49.4 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: VD067412.D

Acq: 27 Oct 2020 15:29

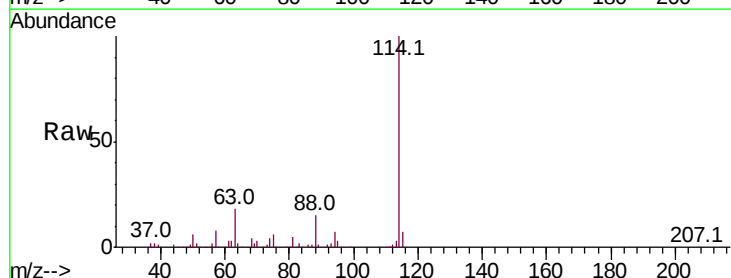
Tgt Ion: 114 Resp: 500250

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

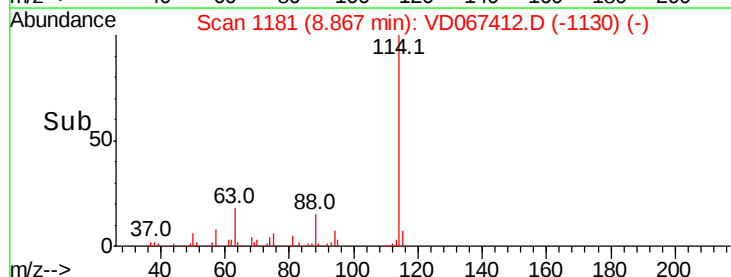
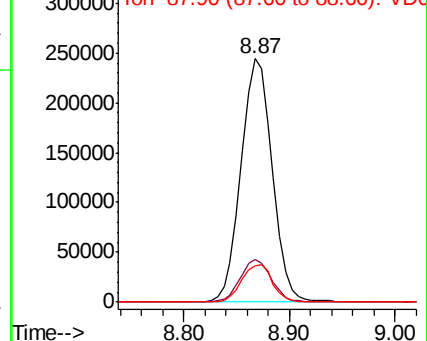
88 14.8 0.0 30.6

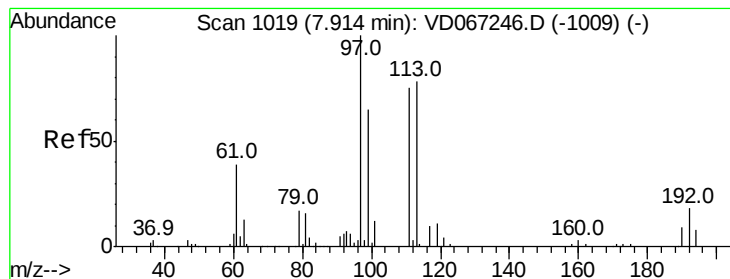


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.410 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VOC-7

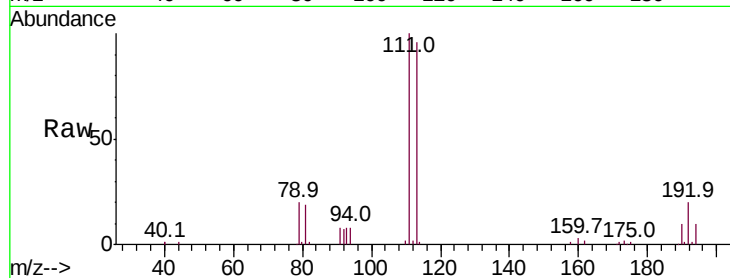
Tot Ion:113 Resp: 167822

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

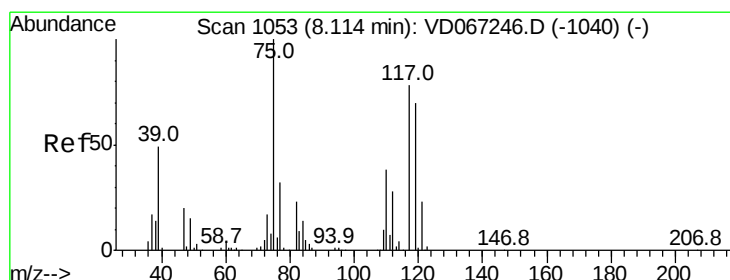
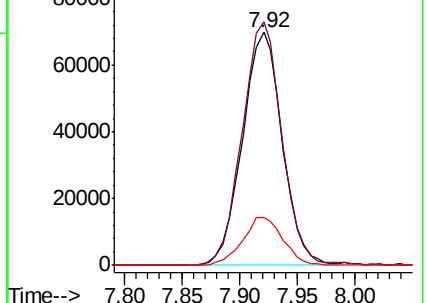
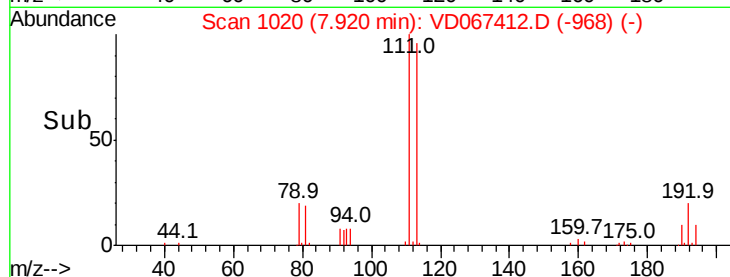
192 20.8 17.0 25.4



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: 5.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

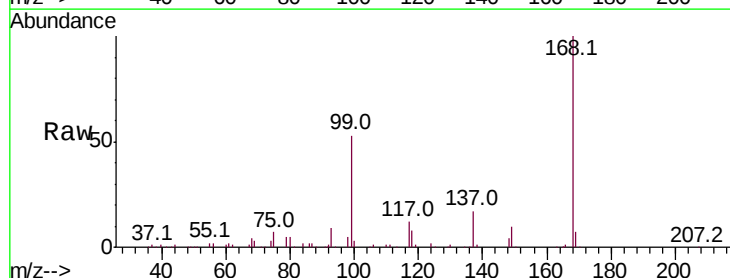
Tgt Ion: 75 Resp: 21200

Ion Ratio Lower Upper

75 100

110 10.4 19.6 58.7#

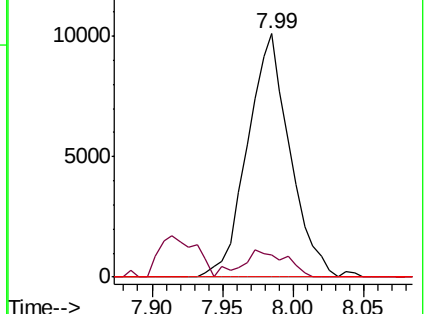
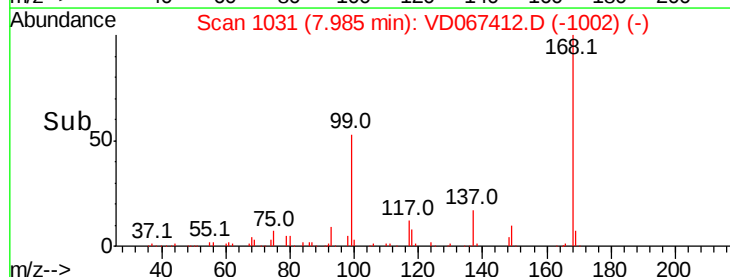
77 0.0 24.6 37.0#

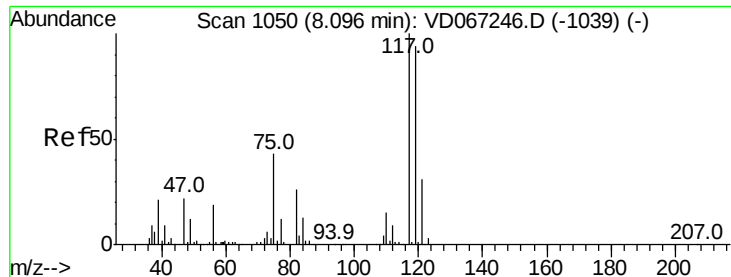


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.986 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VOC-7

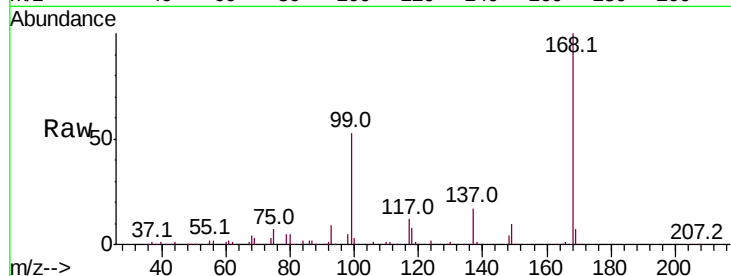
Tot Ion:117 Resp: 32440

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.4#

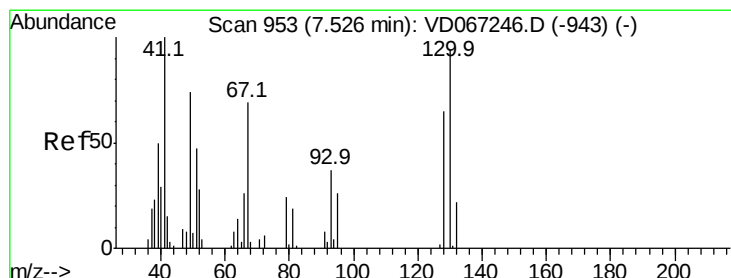
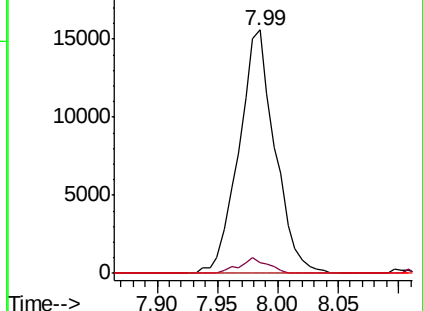
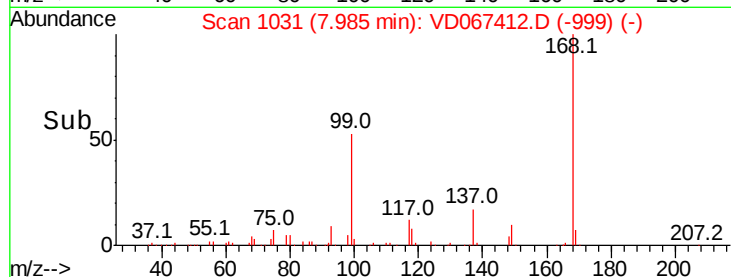
121 0.0 24.9 37.3#



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: 13.874 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.05 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Tgt Ion: 41 Resp: 9353

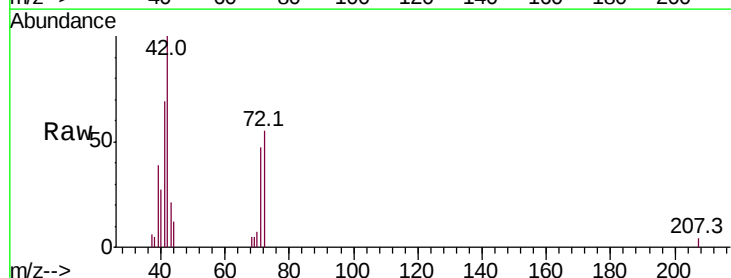
Ion Ratio Lower Upper

41 100

39 55.7 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

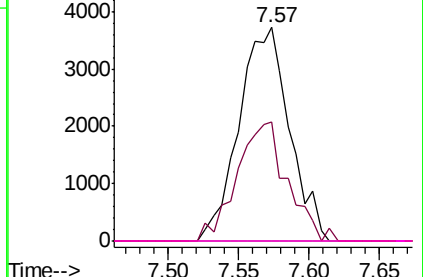
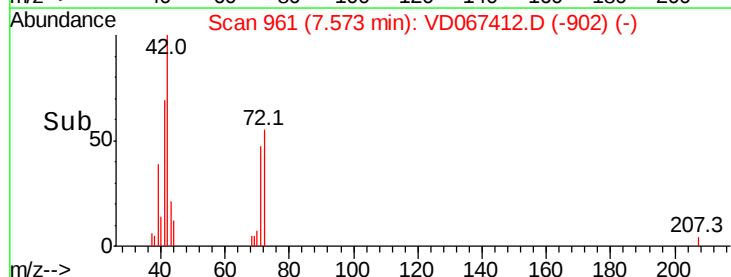


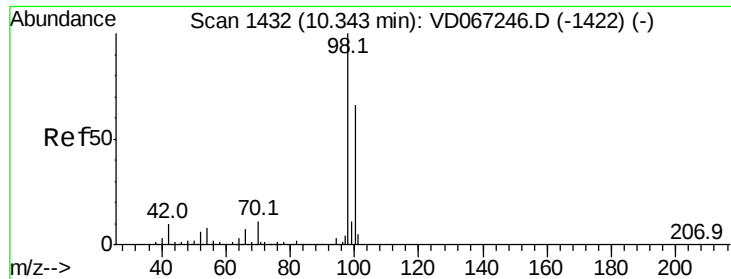
Abundance Ion 41.00 (40.70 to 41.70): VDC

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

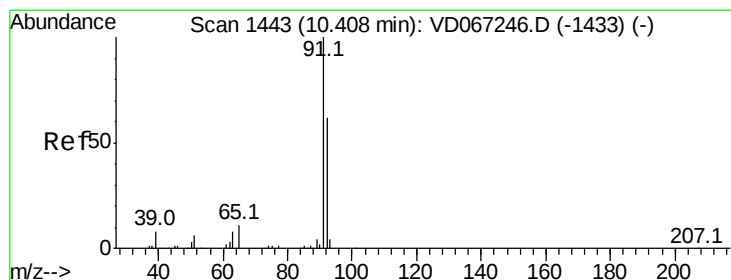
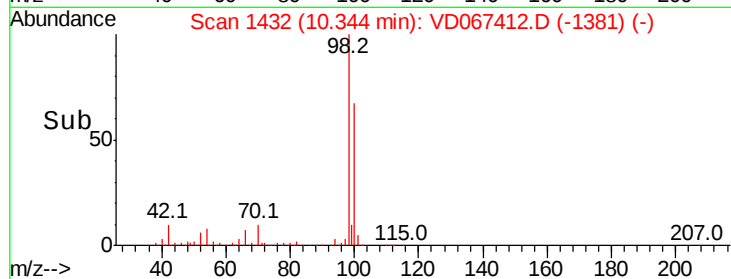
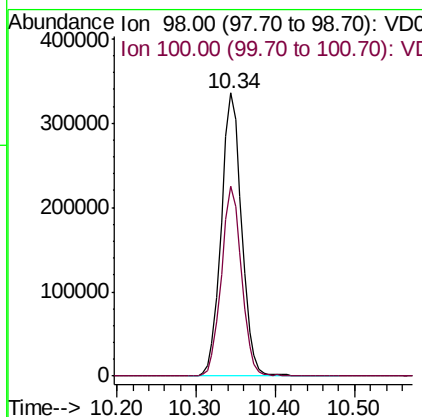
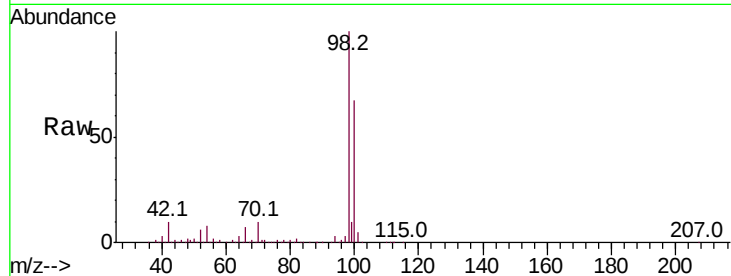




#50
Toluene-d8
Concen: 49.738 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067412.D
Acq: 27 Oct 2020 15:29

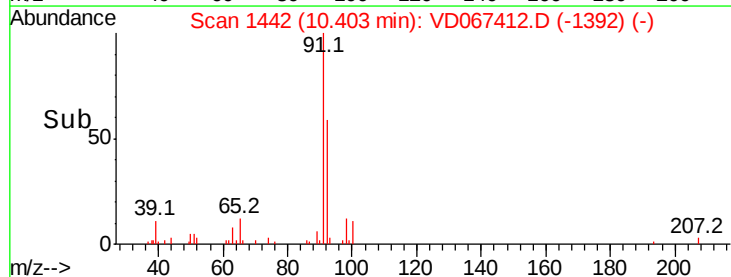
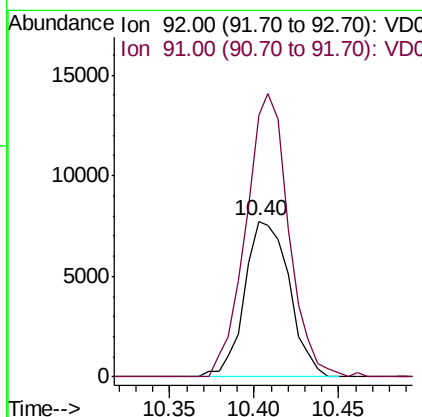
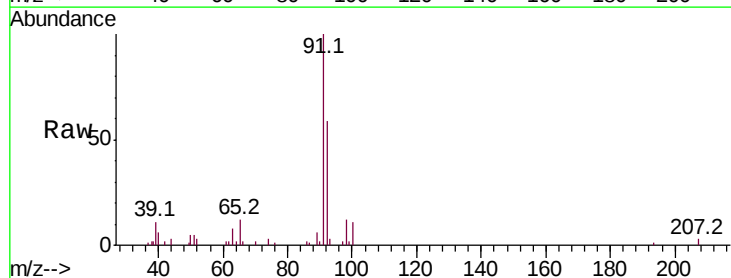
Instrument :
MSVOA_D
ClientSampleId :
VOC-7

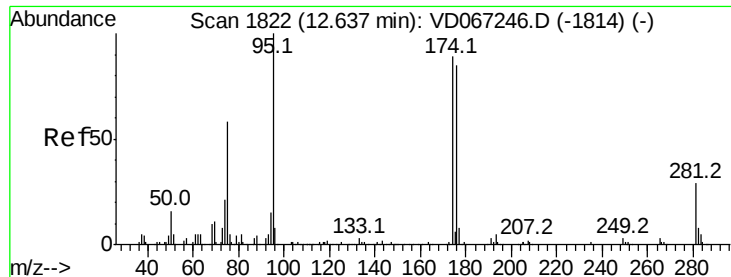
Tot Ion: 98 Resp: 599248
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#52
Toluene
Concen: 1.794 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD067412.D
Acq: 27 Oct 2020 15:29

Tgt Ion: 92 Resp: 14209
Ion Ratio Lower Upper
92 100
91 175.3 133.8 200.8

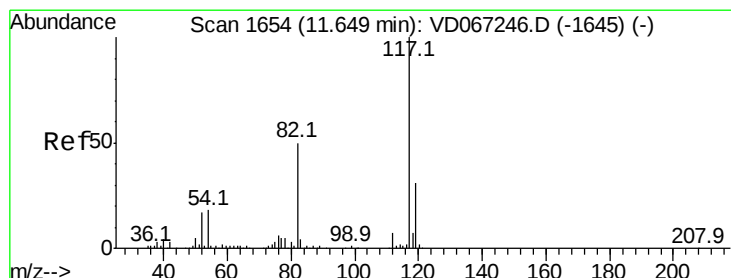
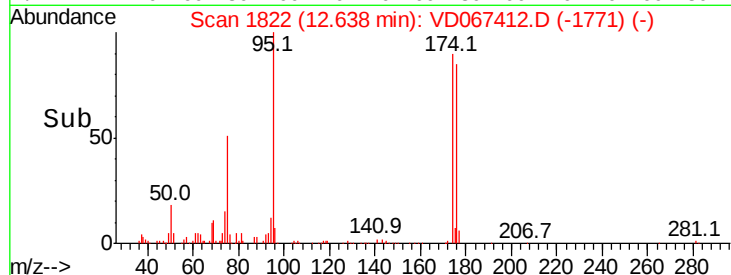
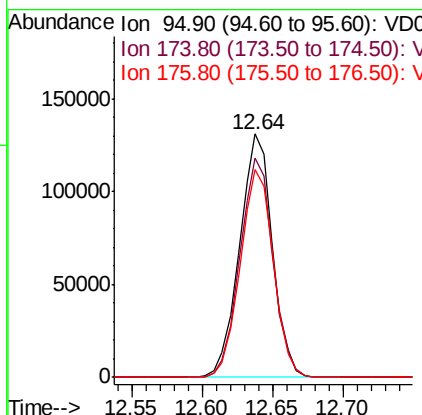
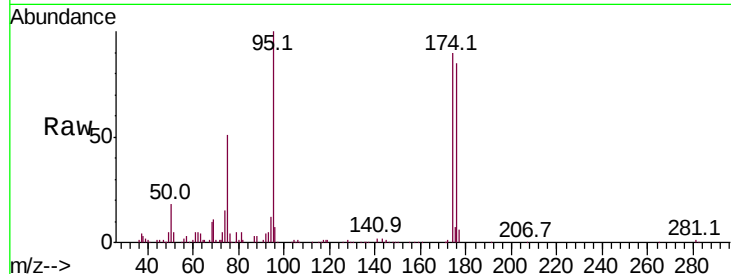




#62
4-Bromofluorobenzene
Concen: 50.658 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067412.D
Acq: 27 Oct 2020 15:29

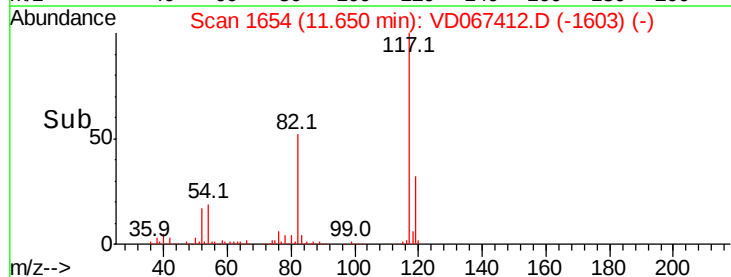
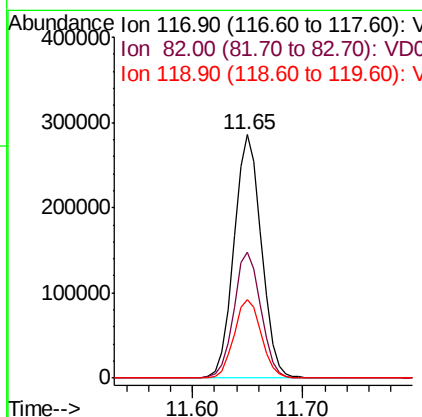
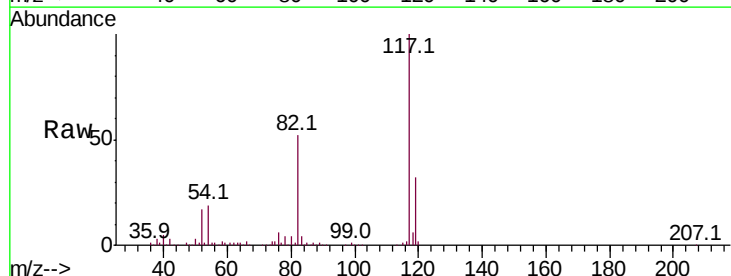
Instrument :
MSVOA_D
ClientSampleId :
VOC-7

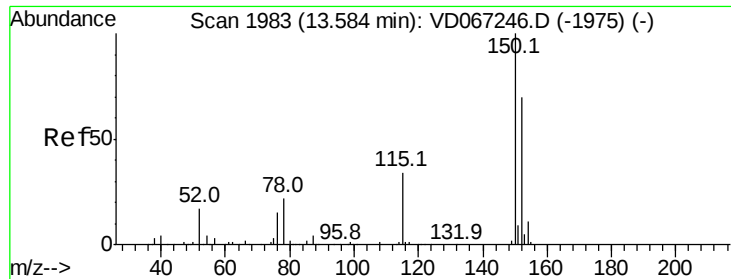
Tot Ion: 95 Resp: 212224
Ion Ratio Lower Upper
95 100
174 91.1 0.0 175.2
176 86.5 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067412.D
Acq: 27 Oct 2020 15:29

Tgt Ion: 117 Resp: 497232
Ion Ratio Lower Upper
117 100
82 51.8 39.9 59.9
119 32.2 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: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VOC-7

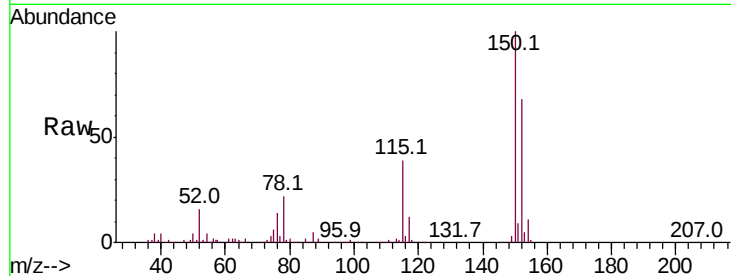
Tot Ion:152 Resp: 248773

Ion Ratio Lower Upper

152 100

115 59.5 29.3 87.9

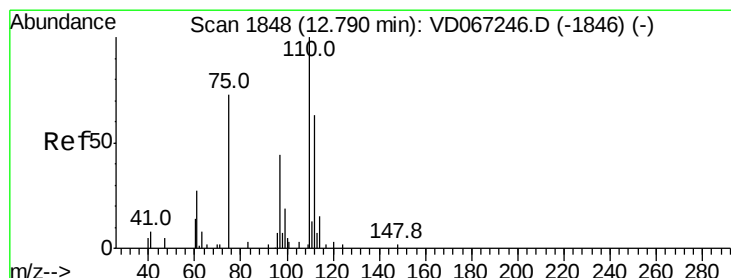
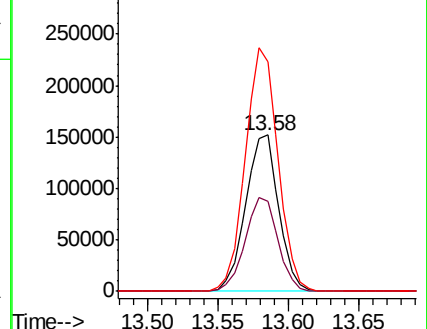
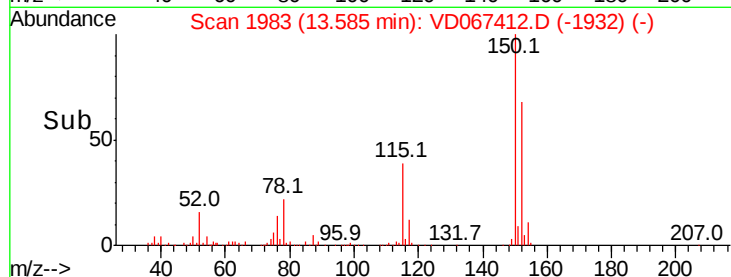
150 154.4 0.0 339.0



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: 63.678 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067412.D

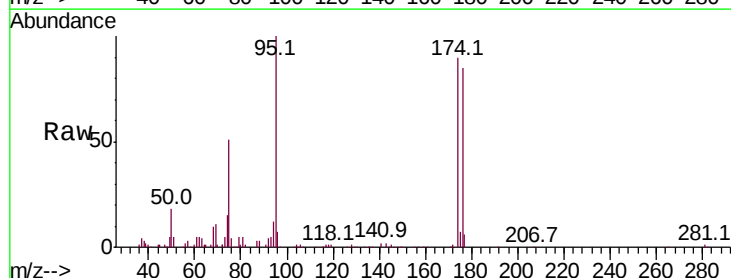
Acq: 27 Oct 2020 15:29

Tgt Ion: 75 Resp: 109795

Ion Ratio Lower Upper

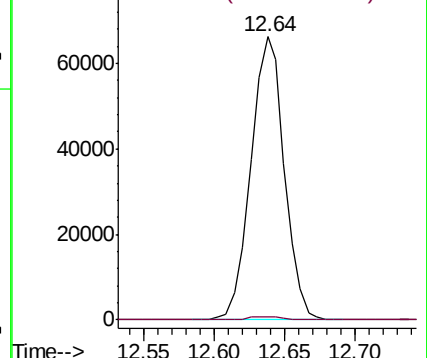
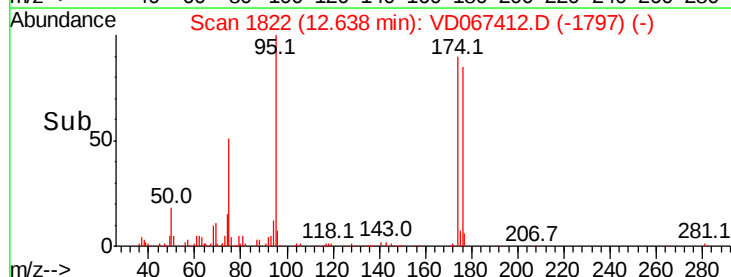
75 100

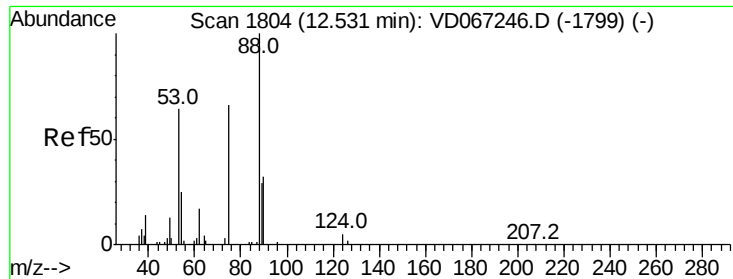
77 1.1 0.0 0.0#



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: 144.402 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067412.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_D

ClientSampleId :

VOC-7

Tot Ion: 75 Resp: 109795

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 39.9 59.9#

