

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067397.D
 Acq On : 26 Oct 2020 17:25
 Operator : VA/SY
 Sample : L4510-09
 Misc : 6.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-9

Quant Time: Oct 27 00:53:28 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	292255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	479193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	476067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	236155	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	151936	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	7.92	113	156349	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	10.34	98	578101	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	202942	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

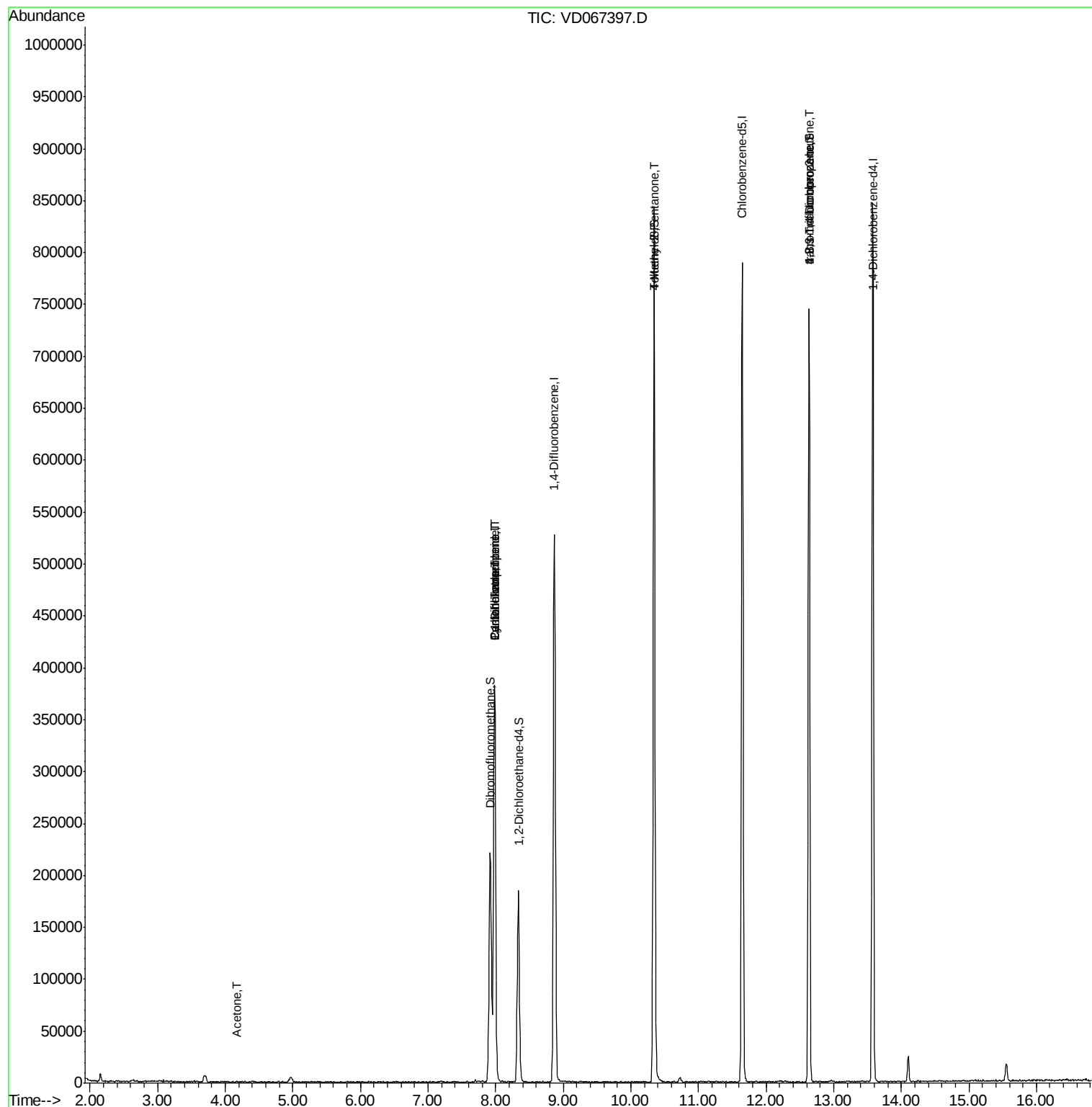
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	54	Below Cal	#	81
16) Acetone	4.16	43	576	1.405	ug/l #	42
20) Methylene Chloride	4.98	84	3371	Below Cal	#	81
31) Cyclohexane	7.98	56	5726	1.698	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	20002	4.925	ug/l #	51
38) Carbon Tetrachloride	7.99	117	30157	5.810	ug/l #	16
51) 4-Methyl-2-Pentanone	10.35	43	2395	2.025	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	108964	66.572	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108964	150.966	ug/l #	10

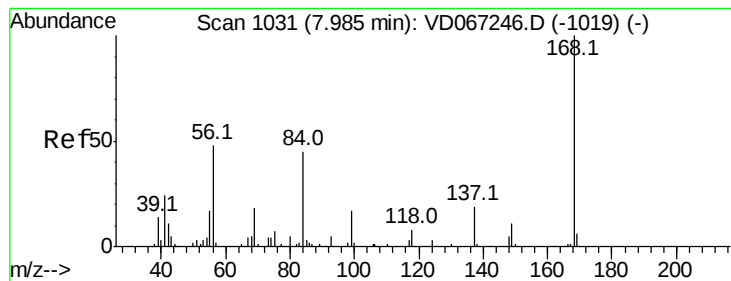
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102620\
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Quant Time: Oct 27 00:53:28 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: VD067397.D

Acq: 26 Oct 2020 17:25

Instrument :

MSVOA_D

ClientSampled :

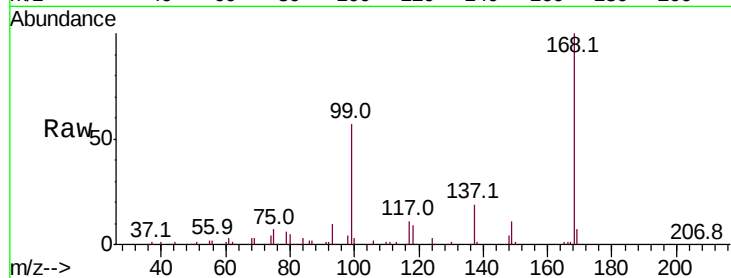
VOC-9

Tot Ion:168 Resp: 292255

Ion Ratio Lower Upper

168 100

99 57.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

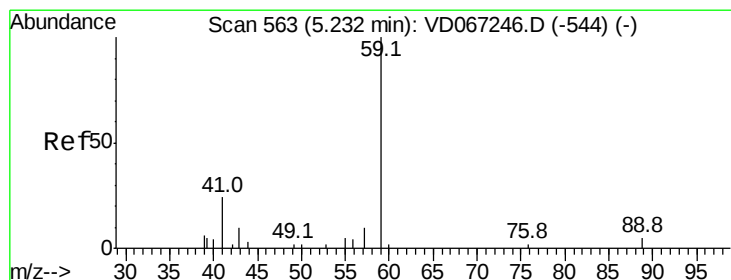
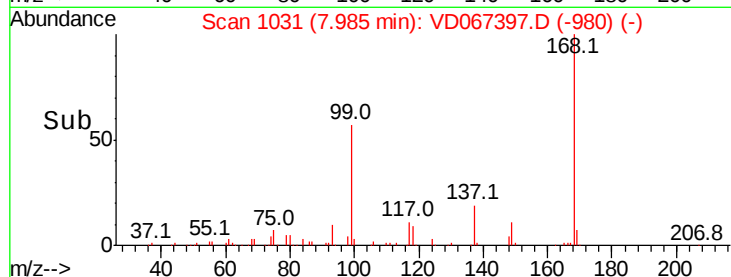
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067397.D

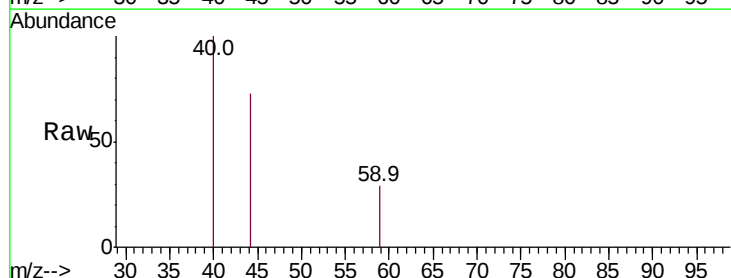
Acq: 26 Oct 2020 17:25

Tgt Ion: 59 Resp: 54

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

5.21

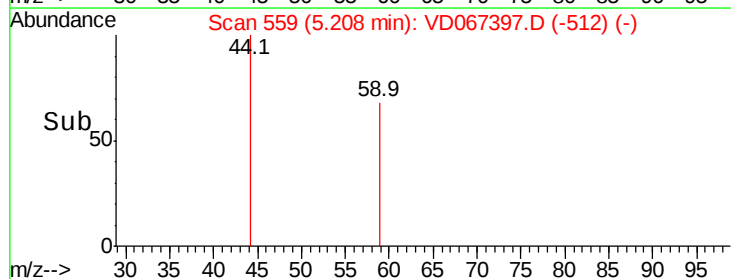
150

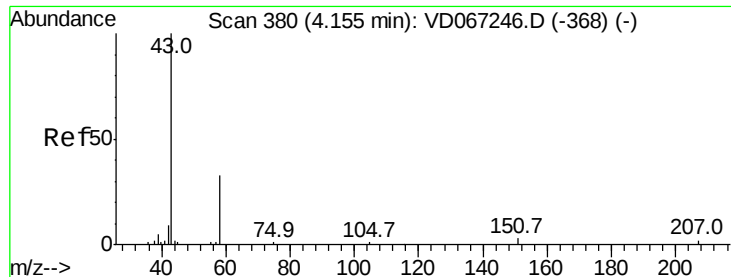
100

50

0

Time-->





#16

Acetone

Concen: 1.405 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067397.D

Acq: 26 Oct 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

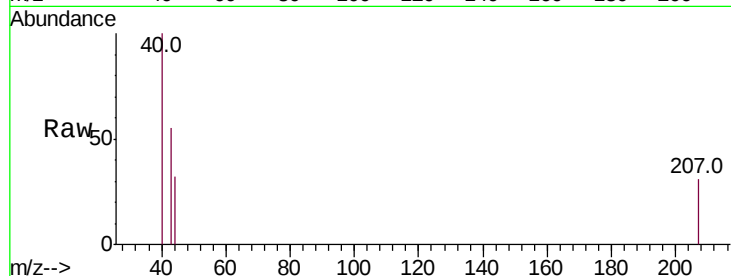
VOC-9

Tot Ion: 43 Resp: 576

Ion Ratio Lower Upper

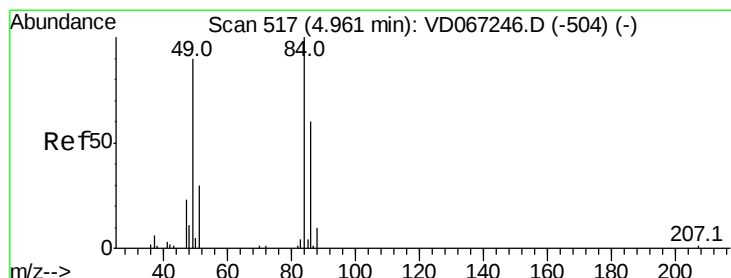
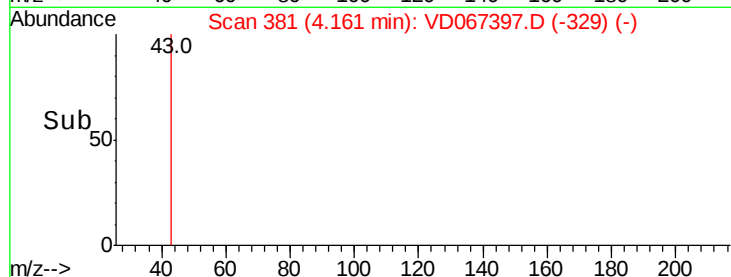
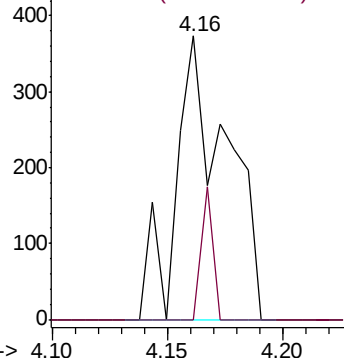
43 100

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



#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD067397.D

Acq: 26 Oct 2020 17:25

Tgt Ion: 84 Resp: 3371

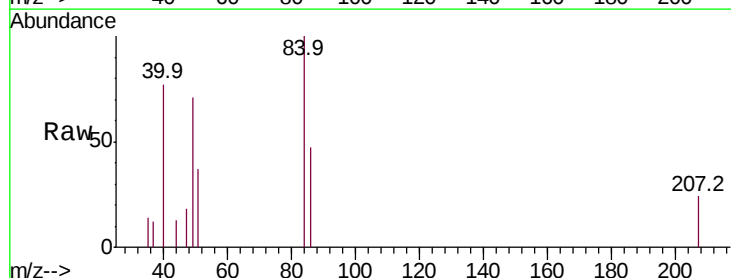
Ion Ratio Lower Upper

84 100

49 70.5 72.2 108.2#

51 37.1 23.8 35.8#

86 47.0 48.2 72.4#

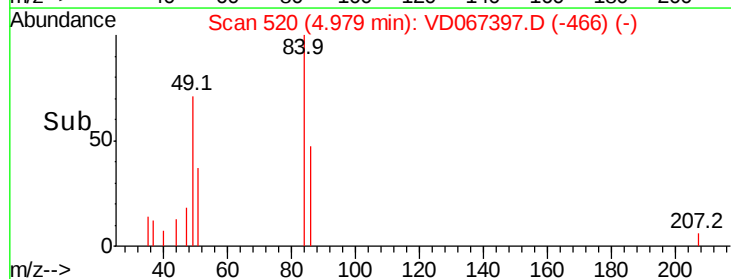
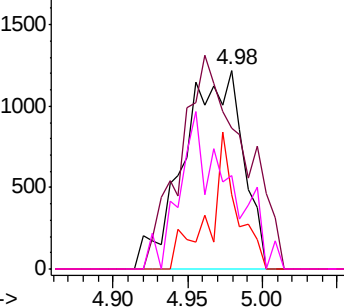


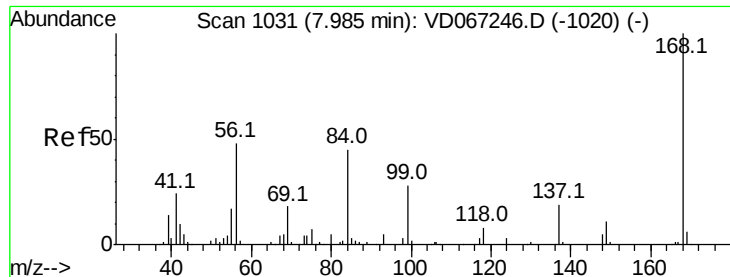
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 1.698 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067397.D

Acq: 26 Oct 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

VOC-9

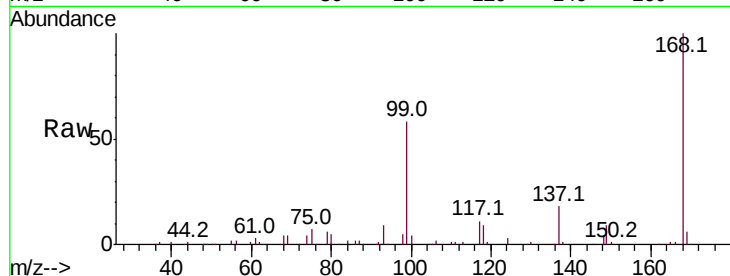
Tot Ion: 56 Resp: 5726

Ion Ratio Lower Upper

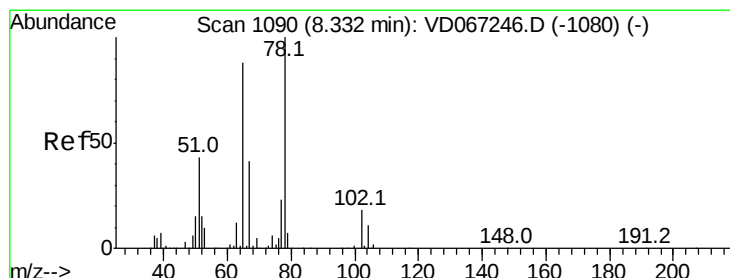
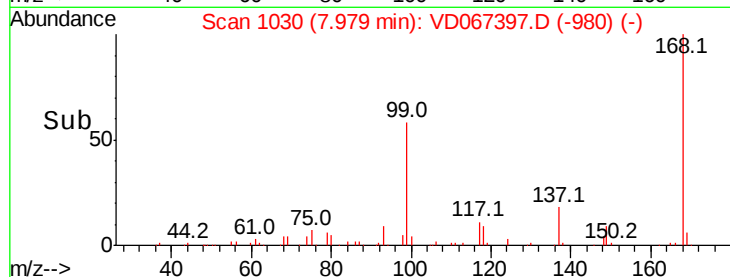
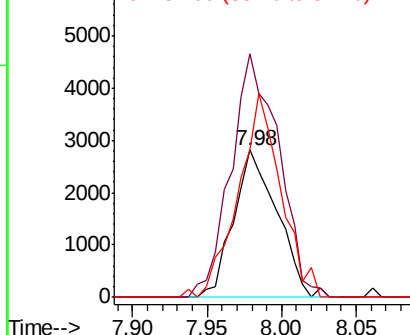
56 100

69 165.3 29.8 44.6#

84 100.5 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: 51.891 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067397.D

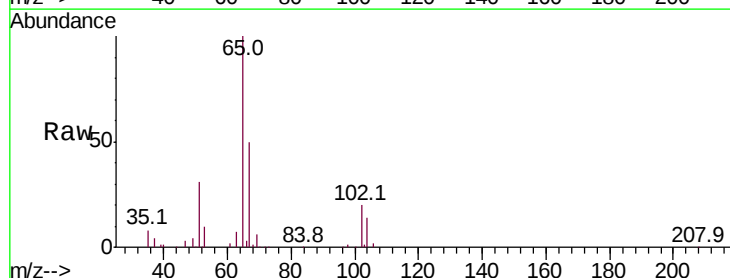
Acq: 26 Oct 2020 17:25

Tgt Ion: 65 Resp: 151936

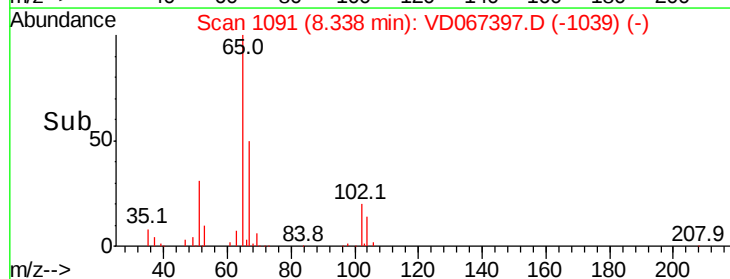
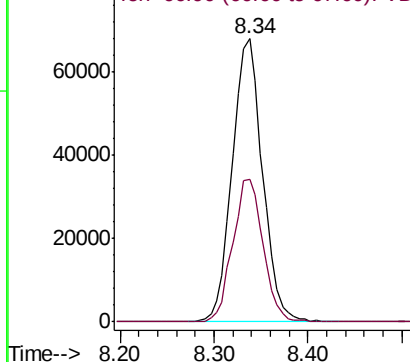
Ion Ratio Lower Upper

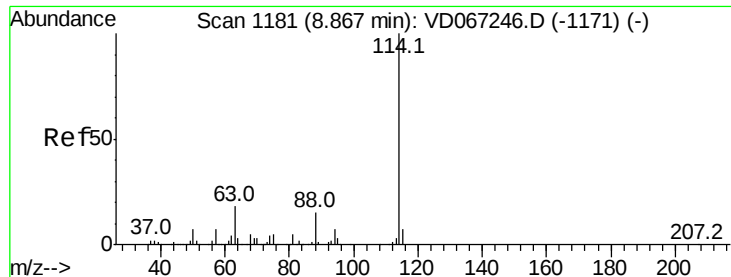
65 100

67 50.5 0.0 103.8



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

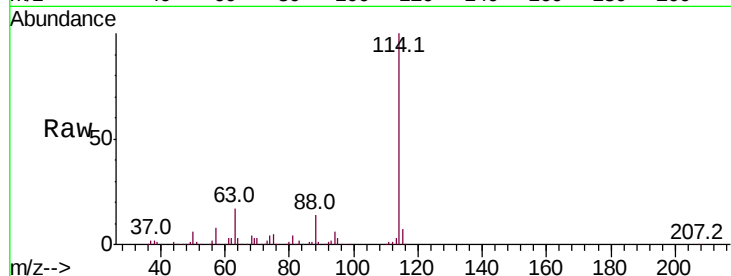




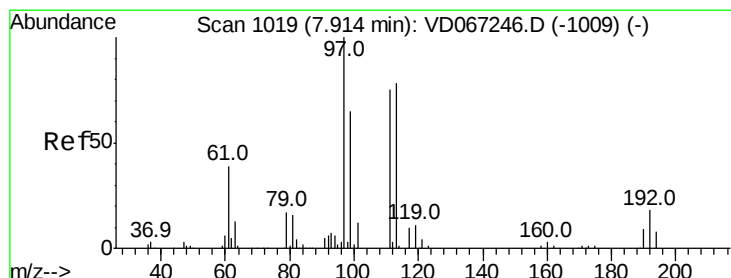
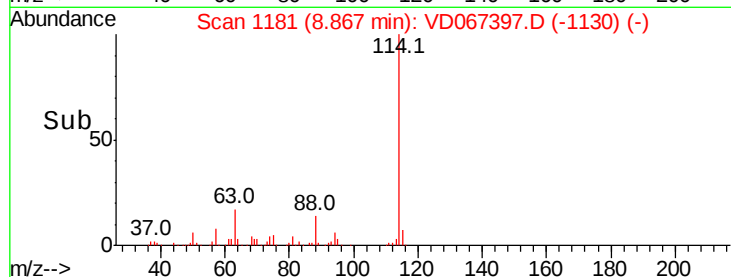
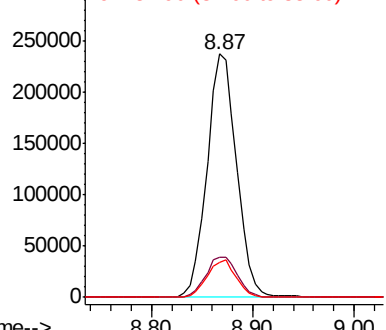
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067397.D
 Acq: 26 Oct 2020 17:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-9

Tot Ion:114 Resp: 479193
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 35.0
 88 14.3 0.0 30.6

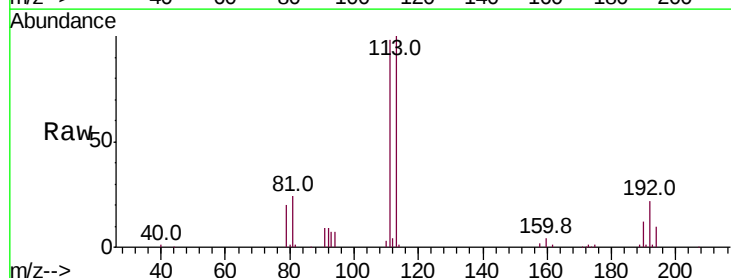


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

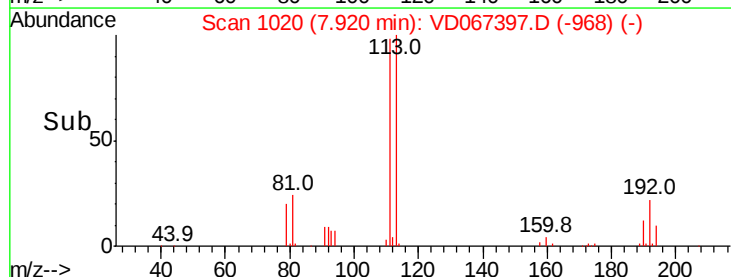
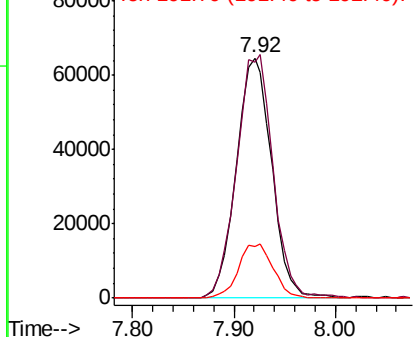


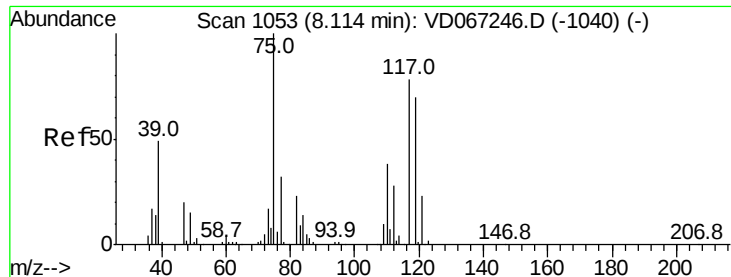
#35
 Dibromofluoromethane
 Concen: 49.027 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067397.D
 Acq: 26 Oct 2020 17:25

Tgt Ion:113 Resp: 156349
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.6 122.4
 192 22.1 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: 4.925 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067397.D

Acq: 26 Oct 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

VOC-9

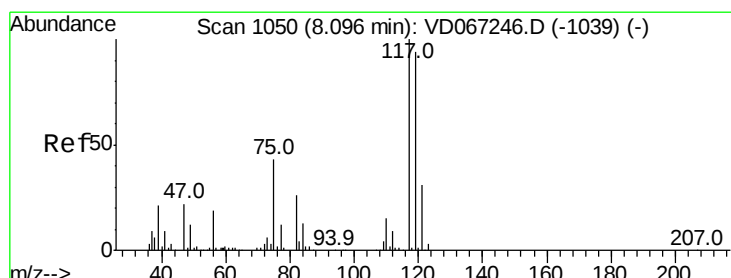
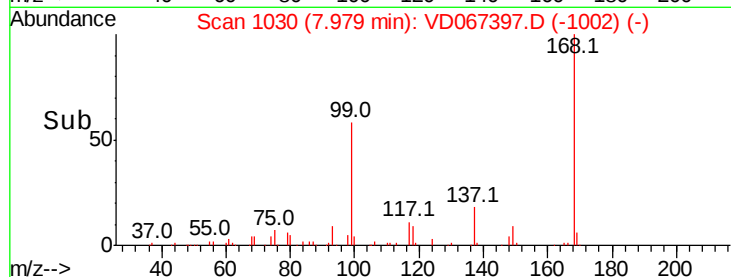
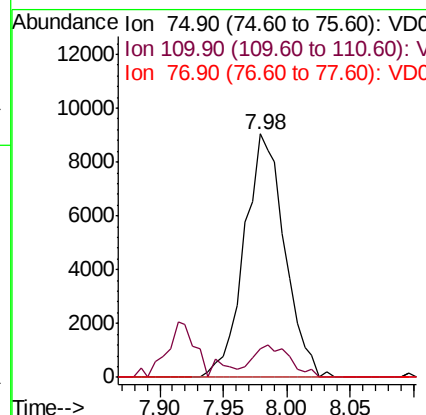
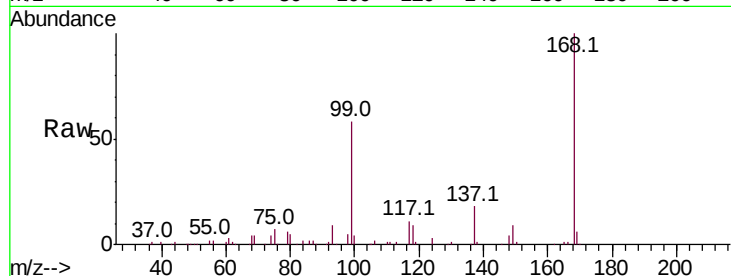
Tot Ion: 75 Resp: 20002

Ion Ratio Lower Upper

75 100

110 12.3 19.6 58.7#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.810 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067397.D

Acq: 26 Oct 2020 17:25

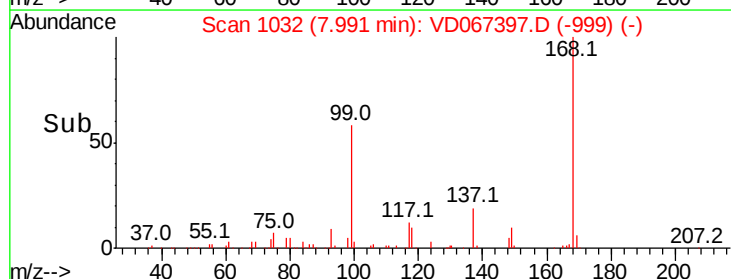
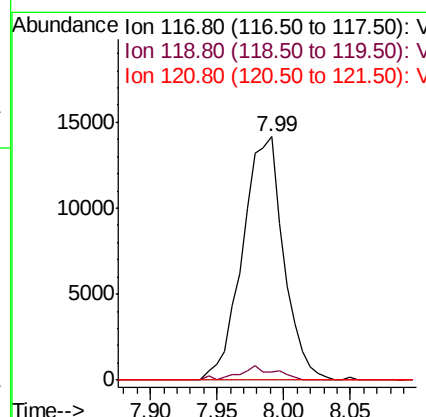
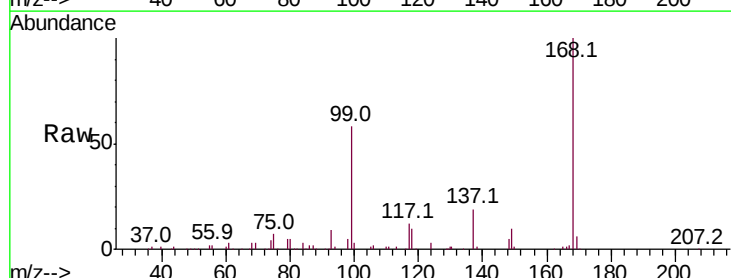
Tgt Ion: 117 Resp: 30157

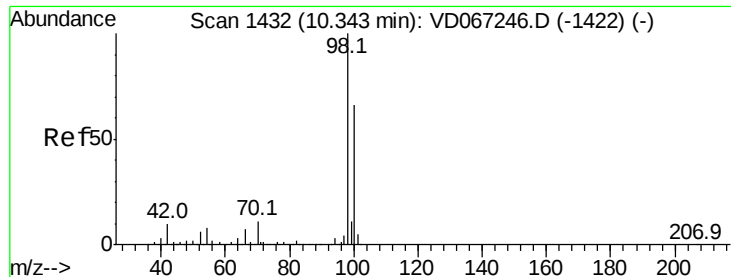
Ion Ratio Lower Upper

117 100

119 3.5 75.0 112.4#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 50.092 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067397.D

Acq: 26 Oct 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

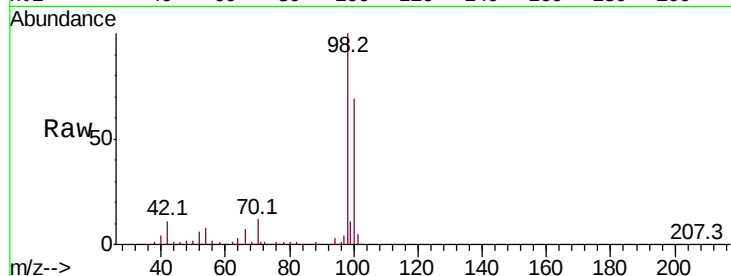
VOC-9

Tot Ion: 98 Resp: 578101

Ion Ratio Lower Upper

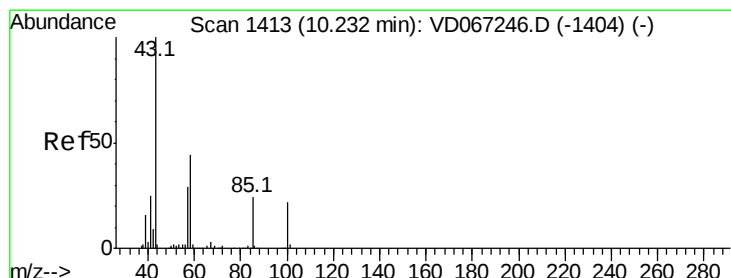
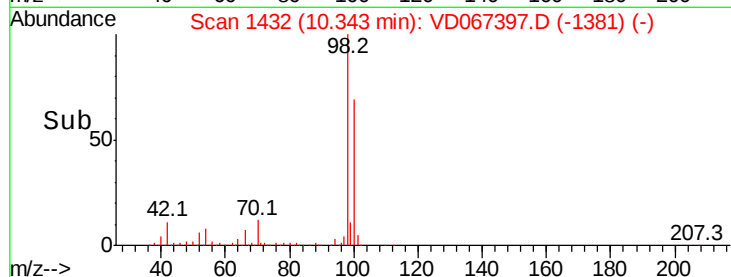
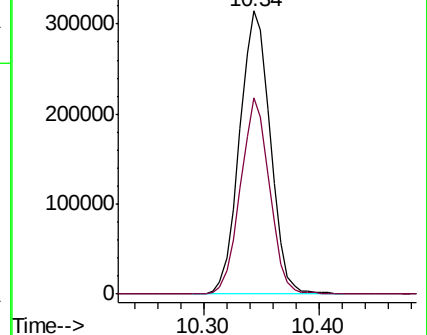
98 100

100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 2.025 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067397.D

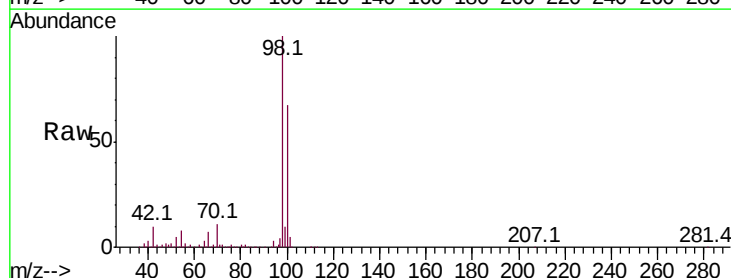
Acq: 26 Oct 2020 17:25

Tgt Ion: 43 Resp: 2395

Ion Ratio Lower Upper

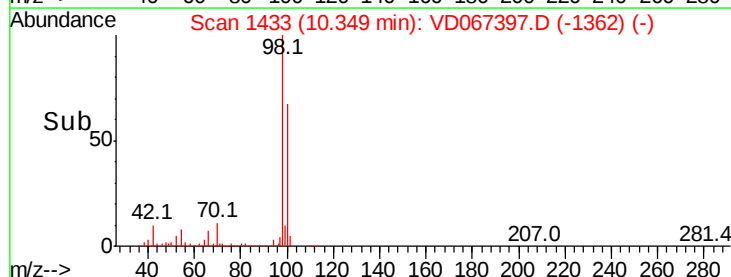
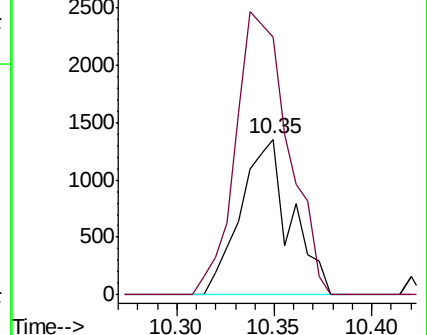
43 100

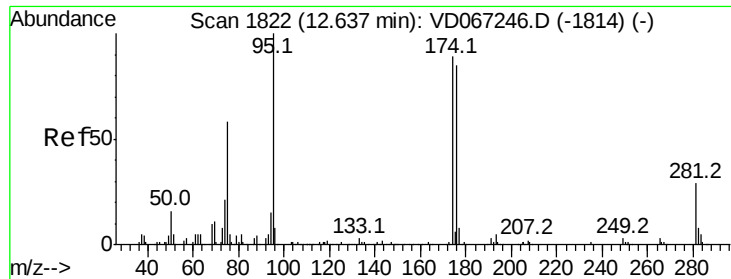
58 193.0 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

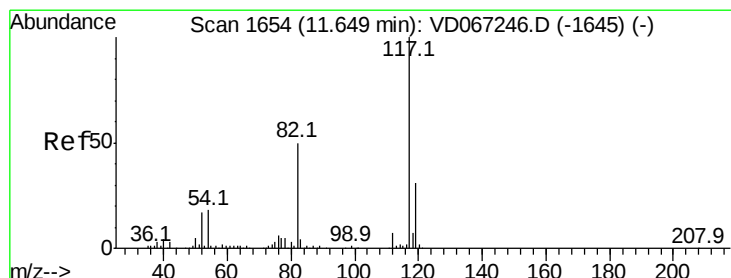
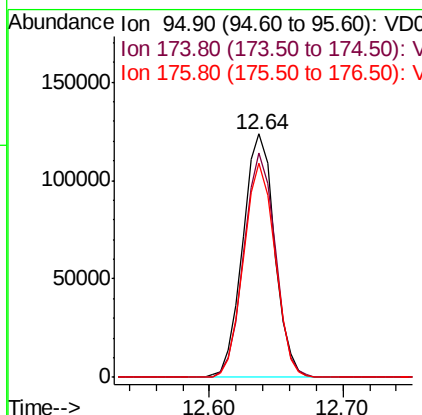
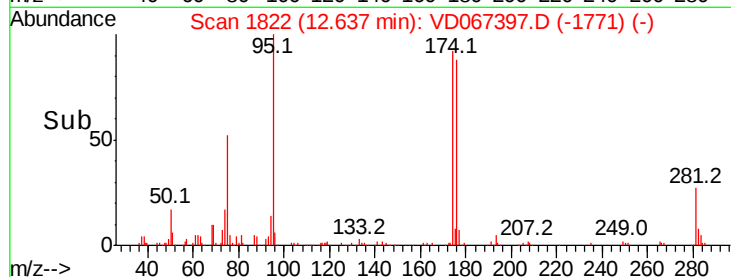
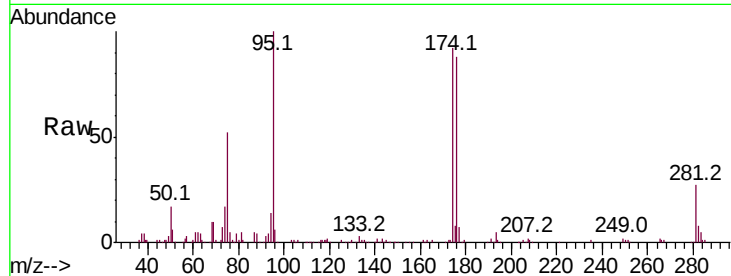




#62
4-Bromofluorobenzene
Concen: 50.571 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067397.D
Acq: 26 Oct 2020 17:25

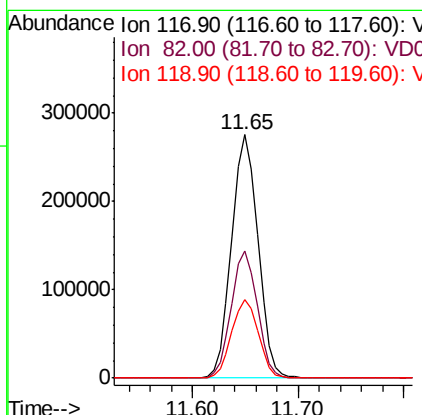
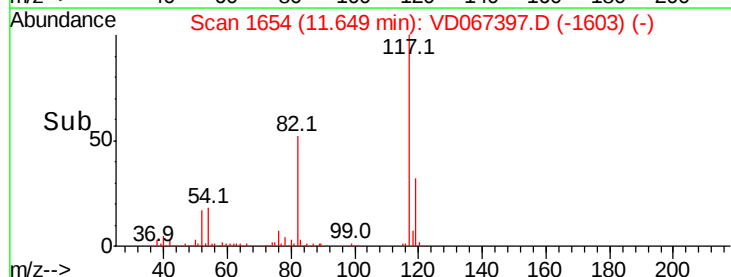
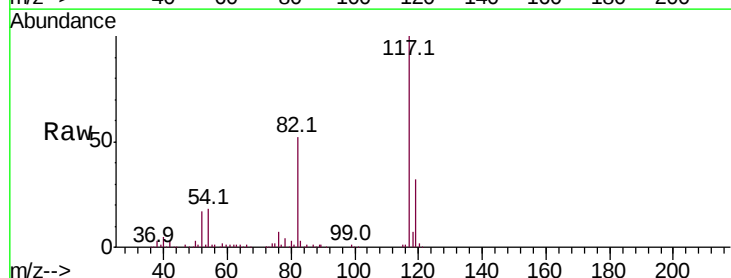
Instrument :
MSVOA_D
ClientSampleId :
VOC-9

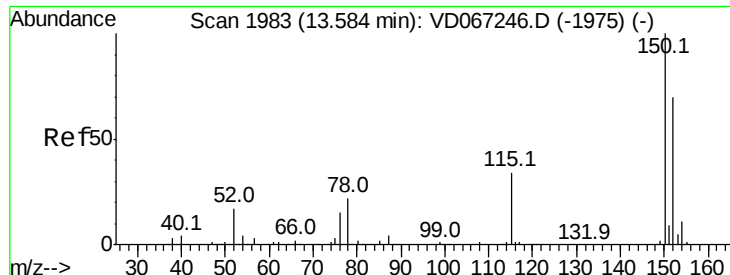
Tot Ion: 95 Resp: 202942
Ion Ratio Lower Upper
95 100
174 91.0 0.0 175.2
176 87.0 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067397.D
Acq: 26 Oct 2020 17:25

Tgt Ion: 117 Resp: 476067
Ion Ratio Lower Upper
117 100
82 52.2 39.9 59.9
119 32.4 24.9 37.3



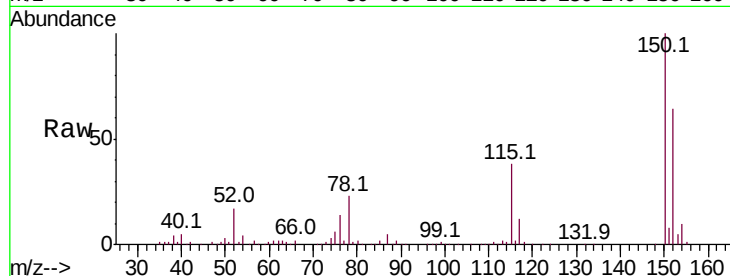


#72

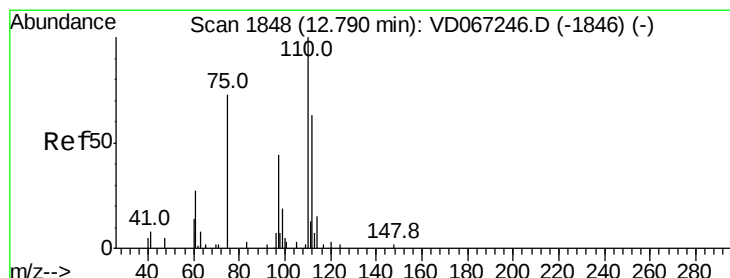
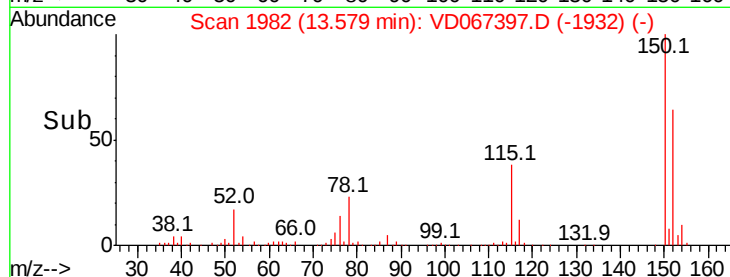
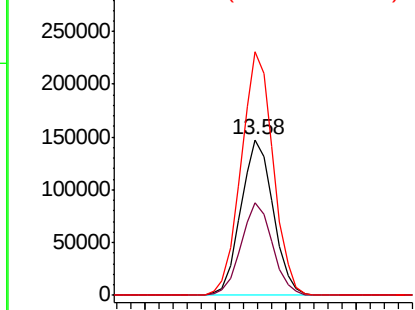
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067397.D
Acq: 26 Oct 2020 17:25

Instrument :
MSVOA_D
ClientSampleId :
VOC-9

Tot Ion:152 Resp: 236155
Ion Ratio Lower Upper
152 100
115 57.8 29.3 87.9
150 155.5 0.0 339.0



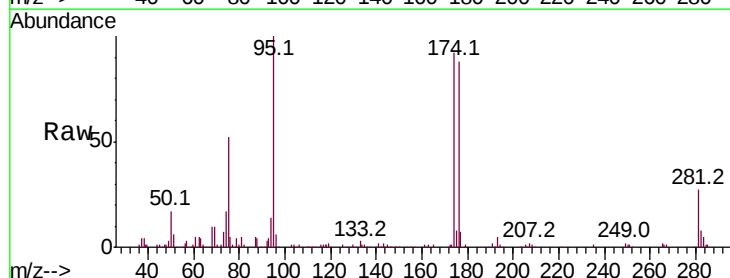
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



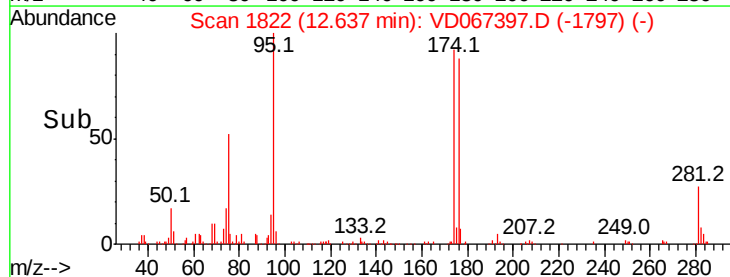
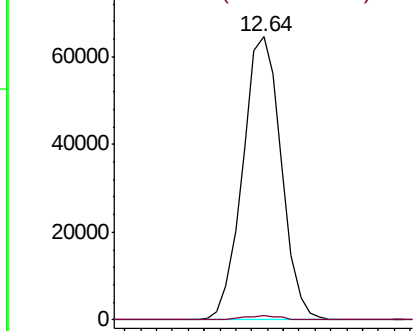
#76

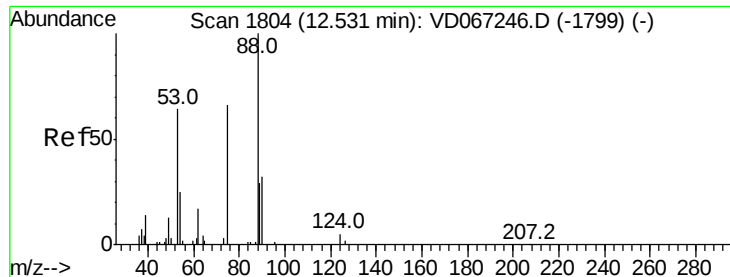
1,2,3-Trichloropropane
Concen: 66.572 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067397.D
Acq: 26 Oct 2020 17:25

Tgt Ion: 75 Resp: 108964
Ion Ratio Lower Upper
75 100
77 1.4 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: 150.966 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067397.D

Acq: 26 Oct 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

VOC-9

Tot Ion: 75 Resp: 108964

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.3 39.9 59.9#

