

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067394.D
 Acq On : 26 Oct 2020 16:02
 Operator : VA/SY
 Sample : L4510-06
 Misc : 6.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-6

Quant Time: Oct 27 00:52:55 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

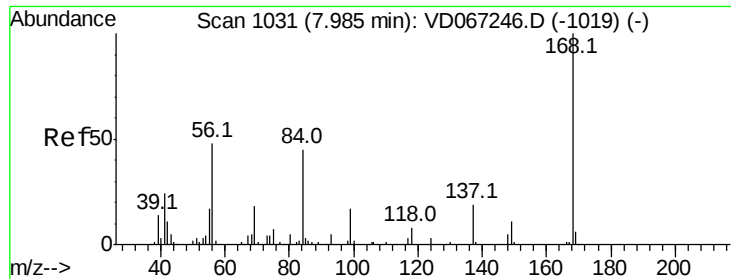
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	302003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	492502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	485731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	155519	51.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.80%	
35) Dibromofluoromethane	7.91	113	159650	48.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.42%	
50) Toluene-d8	10.34	98	584039	49.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.64	95	211216	51.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	475	Below Cal		84
5) Bromomethane	2.76	94	70	Below Cal	#	3
16) Acetone	4.17	43	2033	4.798	ug/l	90
20) Methylene Chloride	4.96	84	3690	Below Cal	#	82
31) Cyclohexane	7.98	56	5730	1.644	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	20595	4.934	ug/l #	50
38) Carbon Tetrachloride	7.98	117	30205	5.662	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	2520	2.073	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	108479	64.851	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108479	147.062	ug/l #	10

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102620\  
Data File : VD067394.D  
Acq On    : 26 Oct 2020   16:02  
Operator  : VA/SY  
Sample    : L4510-06  
Misc      : 6.76G/5.00ml/MSVOA D/SOIL  
ALS Vial  : 12      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

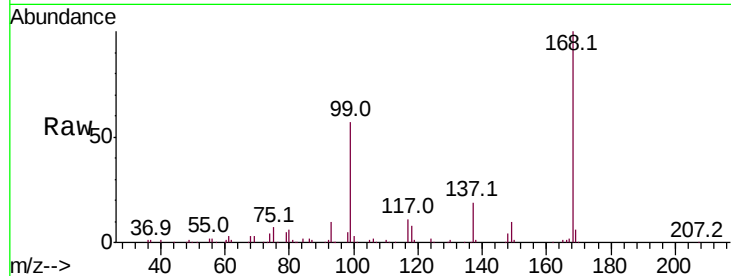
VOC-6

Tot Ion:168 Resp: 302003

Ion Ratio Lower Upper

168 100

99 56.8 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

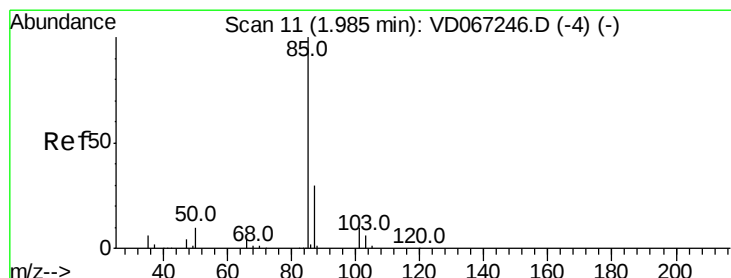
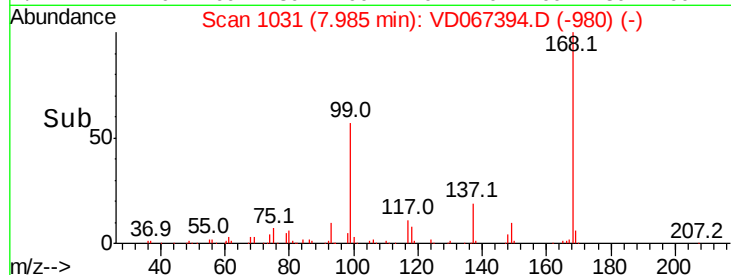
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067394.D

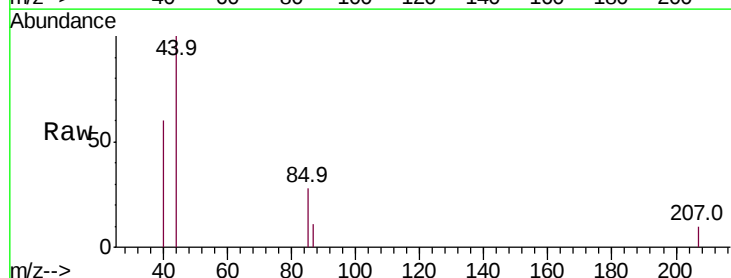
Acq: 26 Oct 2020 16:02

Tgt Ion: 85 Resp: 475

Ion Ratio Lower Upper

85 100

87 39.2 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

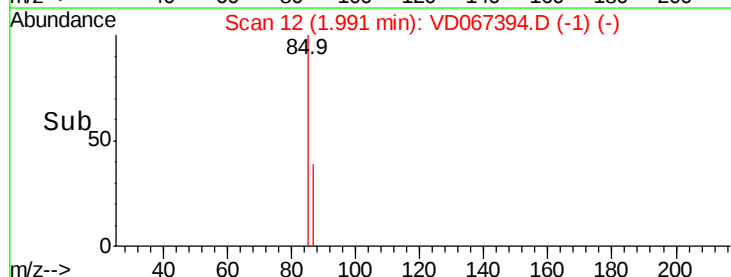
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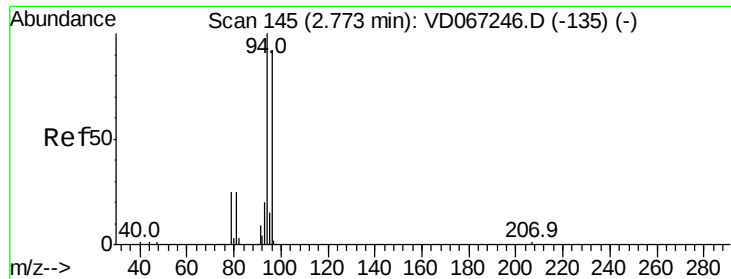
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

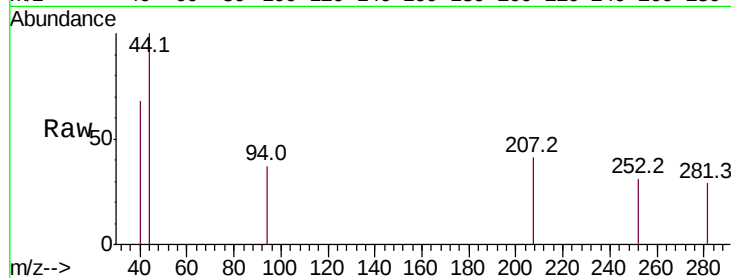
VOC-6

Tot Ion: 94 Resp: 70

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



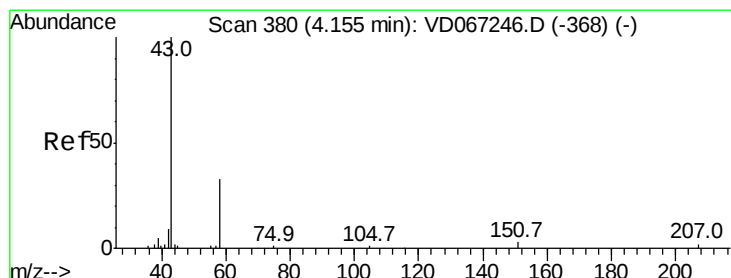
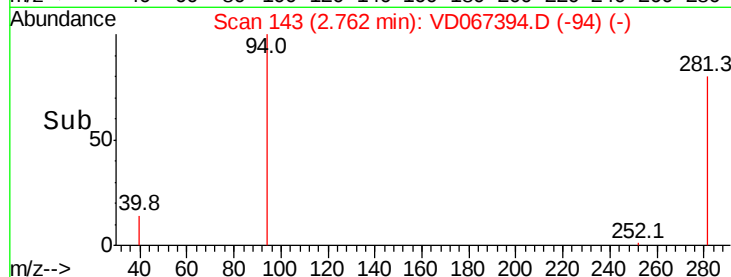
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

2.74 2.75 2.76 2.77 2.78

Time-->



#16

Acetone

Concen: 4.798 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067394.D

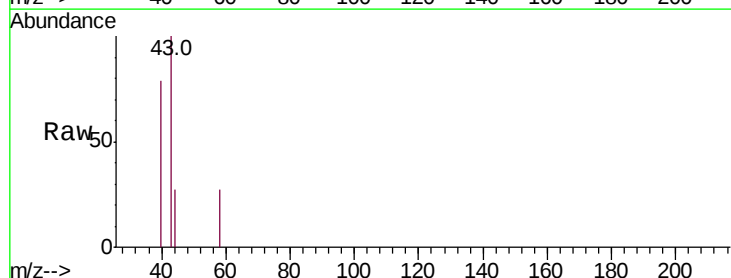
Acq: 26 Oct 2020 16:02

Tgt Ion: 43 Resp: 2033

Ion Ratio Lower Upper

43 100

58 27.0 26.1 39.1



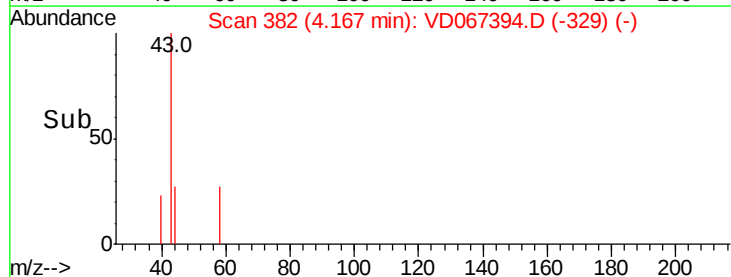
Abundance Ion 43.00 (42.70 to 43.70): VDC

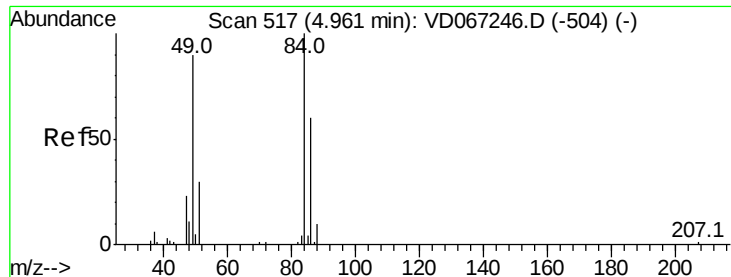
Ion 58.00 (57.70 to 58.70): VDC

4.17

4.10 4.15 4.20

Time-->

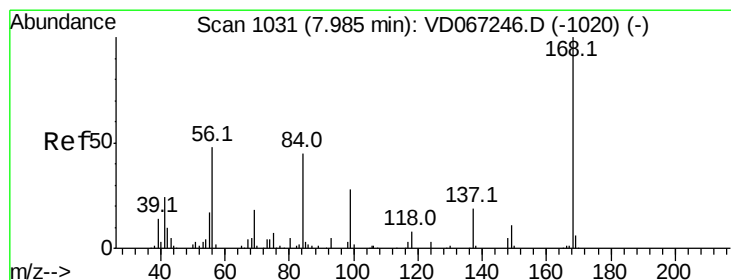
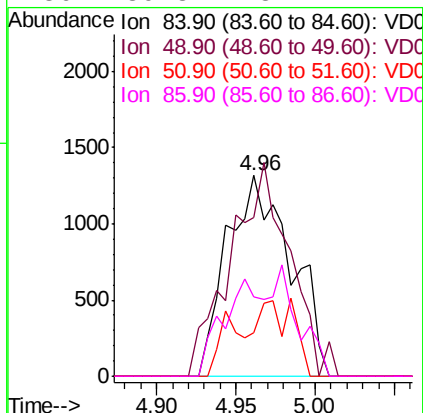
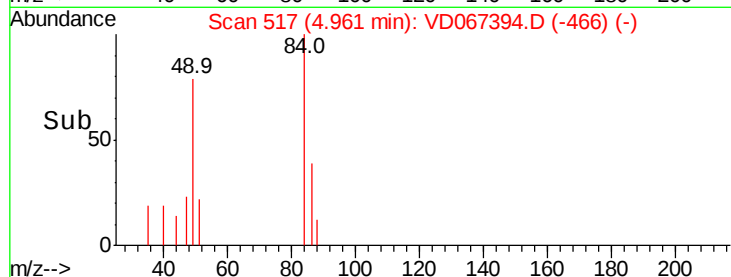
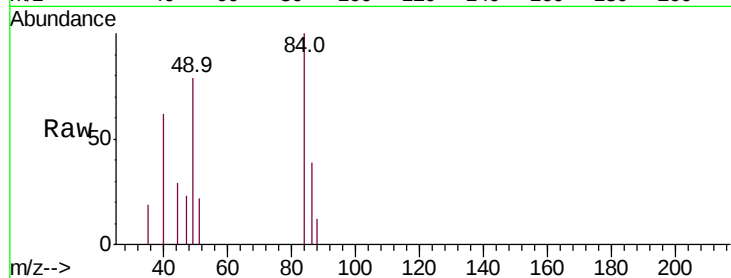




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067394.D
Acq: 26 Oct 2020 16:02

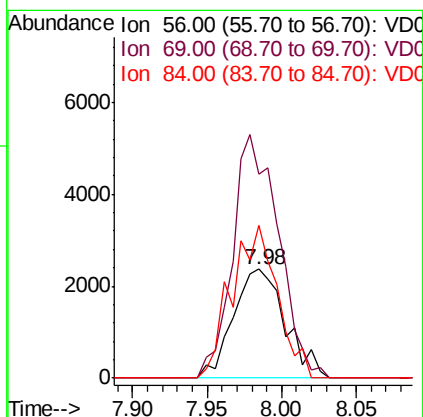
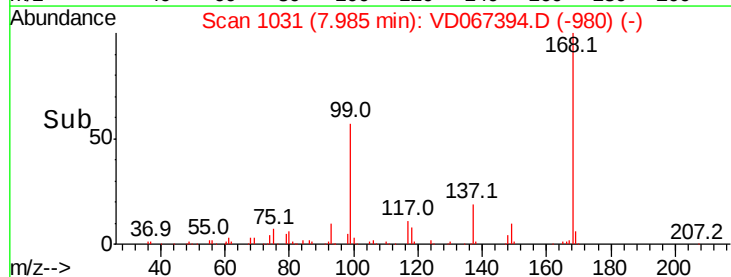
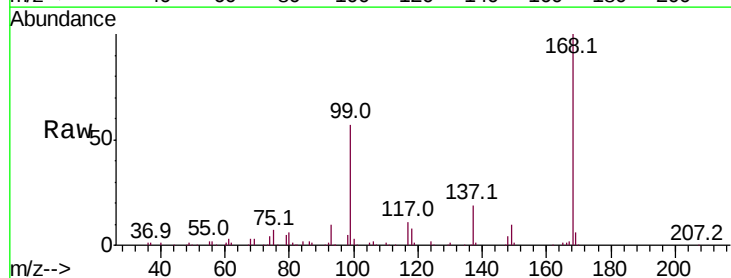
Instrument :
MSVOA_D
ClientSampleId :
VOC-6

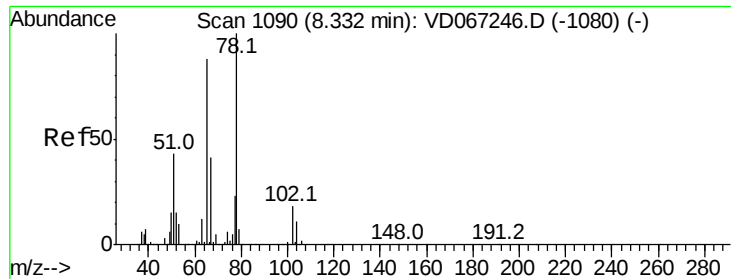
Tot Ion: 84 Resp: 3690
Ion Ratio Lower Upper
84 100
49 79.2 72.2 108.2
51 21.6 23.8 35.8#
86 39.3 48.2 72.4#



#31
Cyclohexane
Concen: 1.644 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067394.D
Acq: 26 Oct 2020 16:02

Tgt Ion: 56 Resp: 5730
Ion Ratio Lower Upper
56 100
69 187.2 29.8 44.6#
84 140.7 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 51.401 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

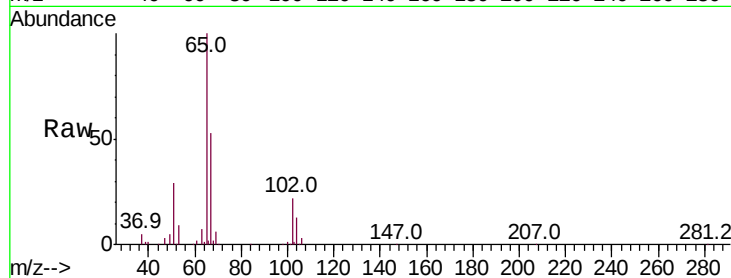
VOC-6

Tot Ion: 65 Resp: 155519

Ion Ratio Lower Upper

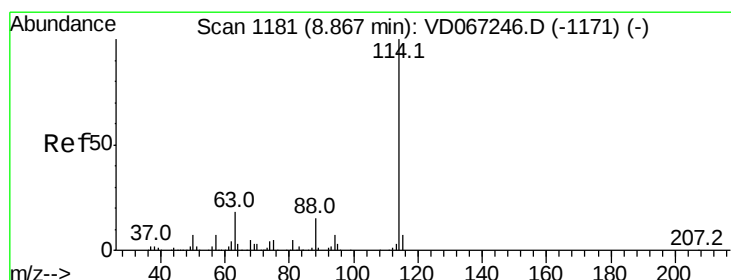
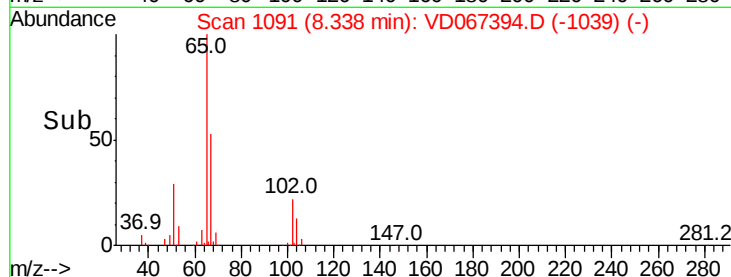
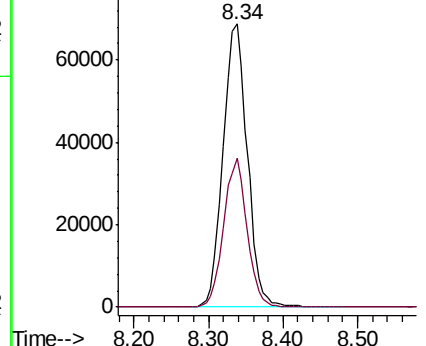
65 100

67 50.7 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# 1182

Delta R.T. 0.01 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

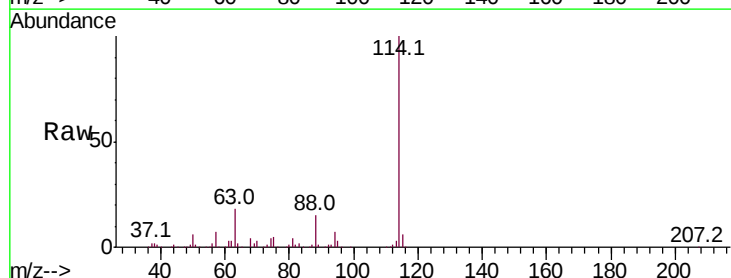
Tgt Ion: 114 Resp: 492502

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

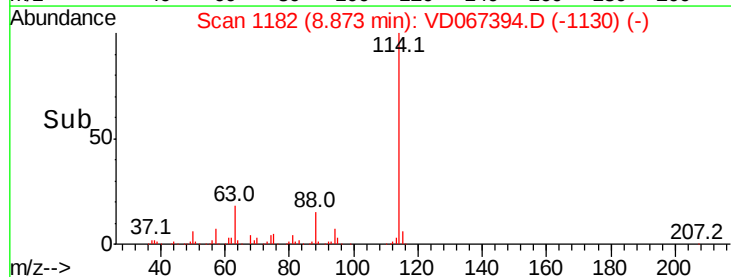
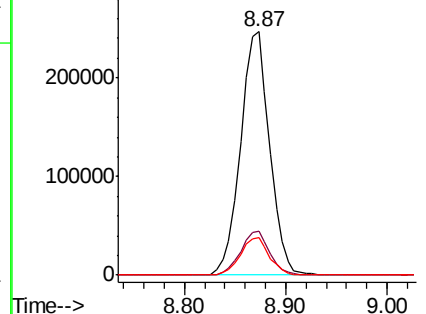
88 15.3 0.0 30.6

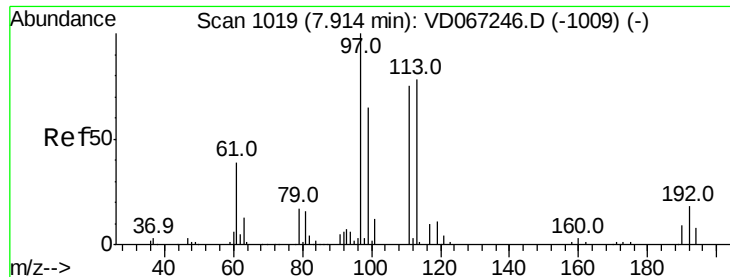


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

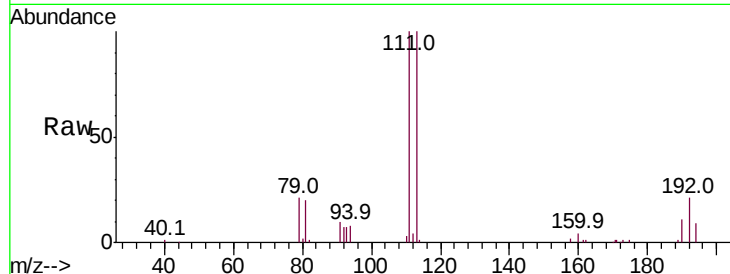




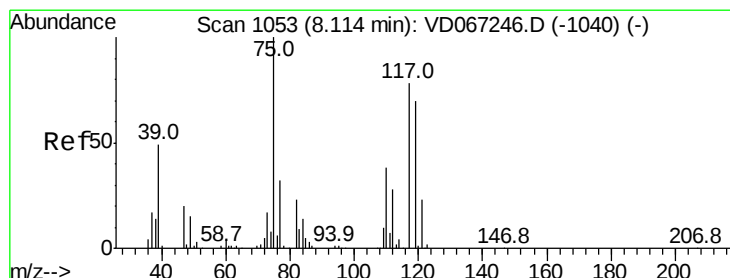
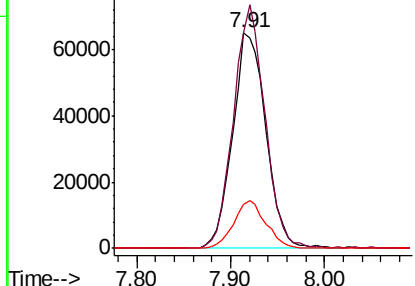
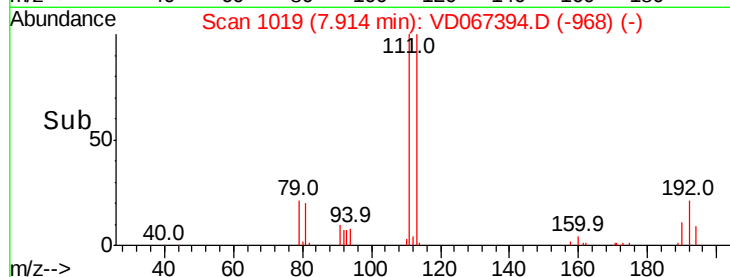
#35
 Dibromofluoromethane
 Concen: 48.709 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067394.D
 Acq: 26 Oct 2020 16:02

Instrument :
 MSVOA_D
 ClientSampleID :
 VOC-6

Tot Ion:113 Resp: 159650
 Ion Ratio Lower Upper
 113 100
 111 106.9 81.6 122.4
 192 21.3 17.0 25.4

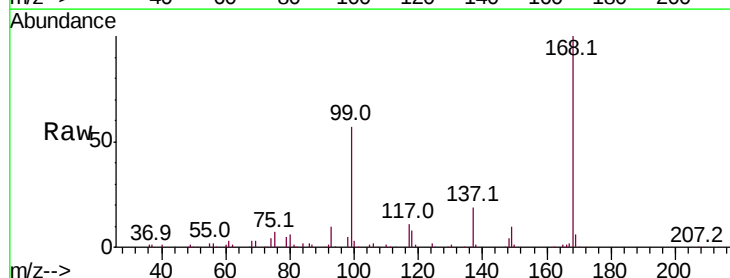


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

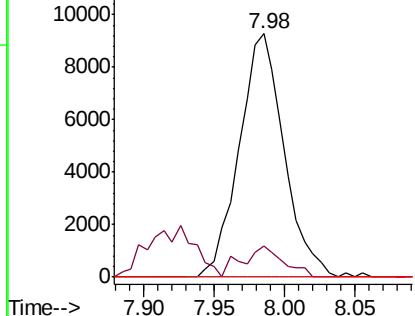
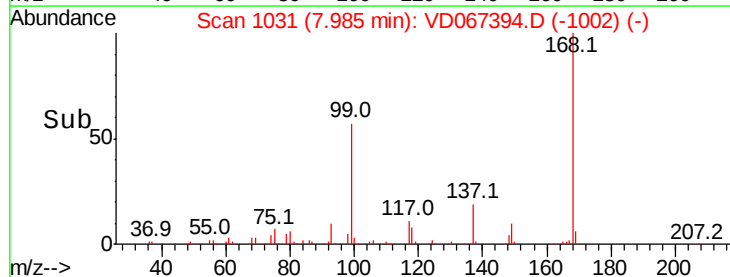


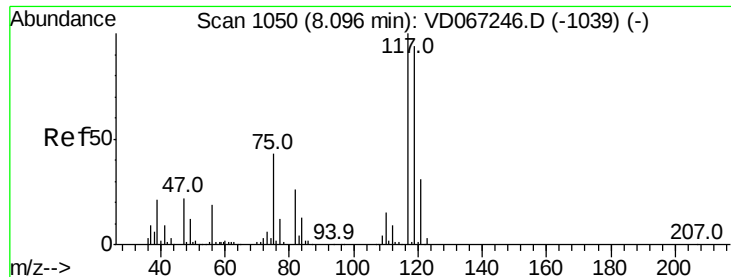
#36
 1,1-Dichloropropene
 Concen: 4.934 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067394.D
 Acq: 26 Oct 2020 16:02

Tgt Ion: 75 Resp: 20595
 Ion Ratio Lower Upper
 75 100
 110 11.7 19.6 58.7#
 77 0.0 24.6 37.0#



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

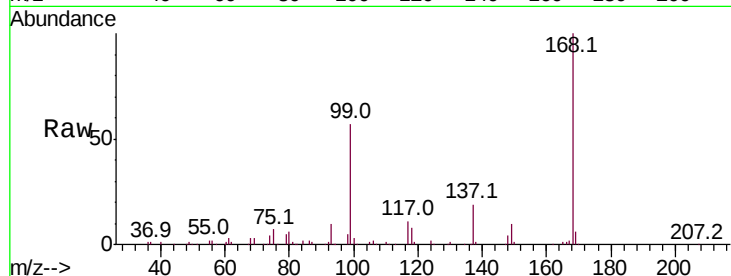




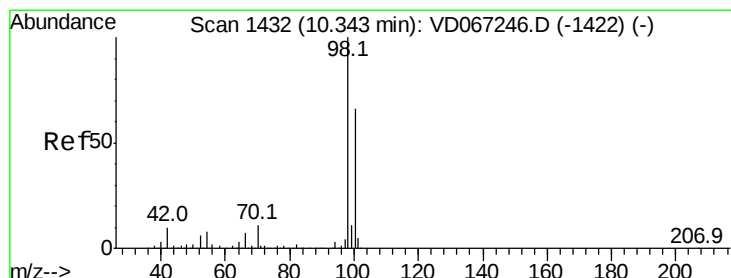
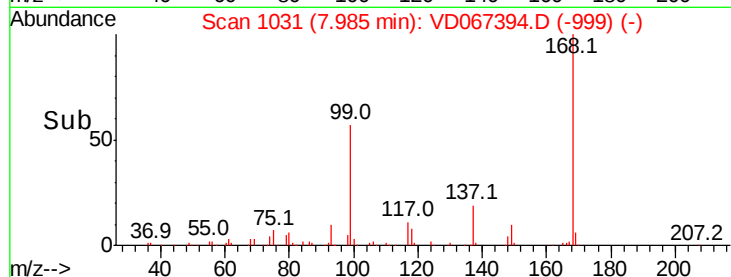
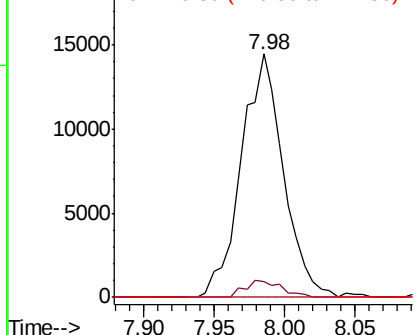
#38
Carbon Tetrachloride
Concen: 5.662 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067394.D
Acq: 26 Oct 2020 16:02

Instrument :
MSVOA_D
ClientSampleId :
VOC-6

Tot Ion:117 Resp: 30205
Ion Ratio Lower Upper
117 100
119 6.4 75.0 112.4#
121 0.0 24.9 37.3#

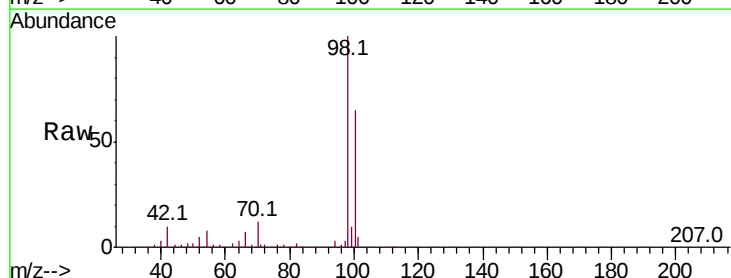


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

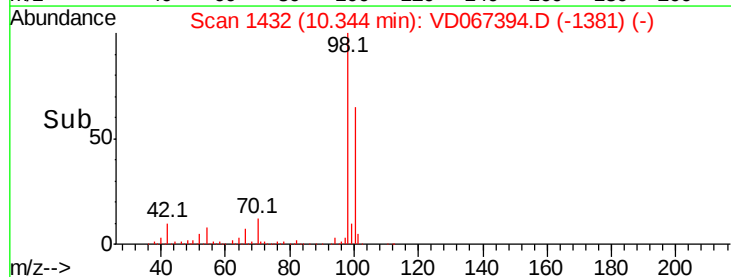
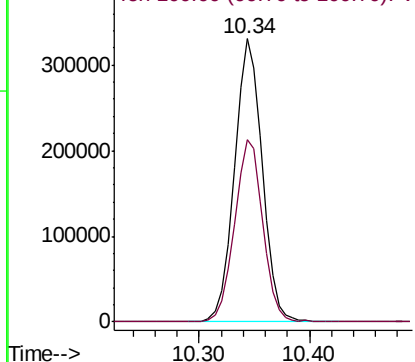


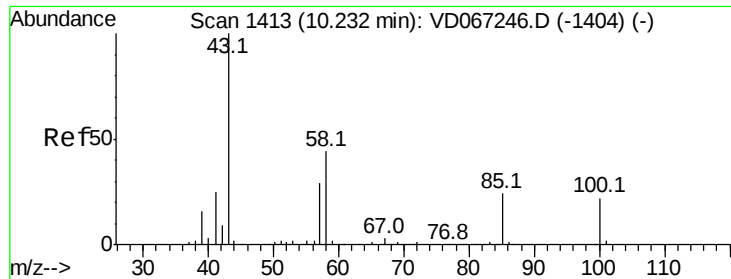
#50
Toluene-d8
Concen: 49.239 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067394.D
Acq: 26 Oct 2020 16:02

Tgt Ion: 98 Resp: 584039
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

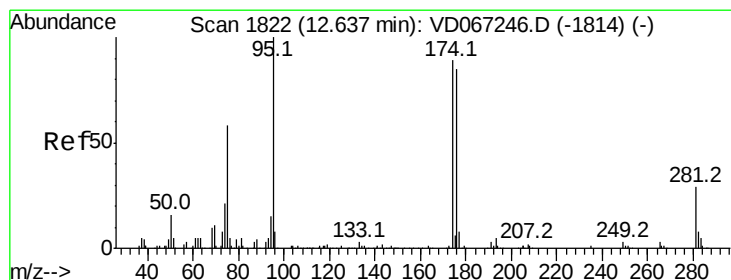
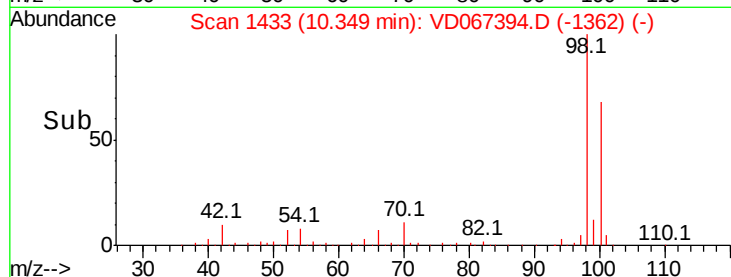
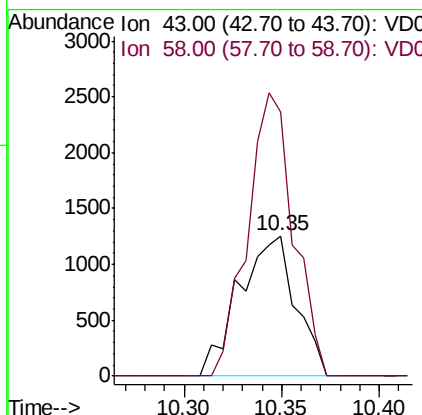
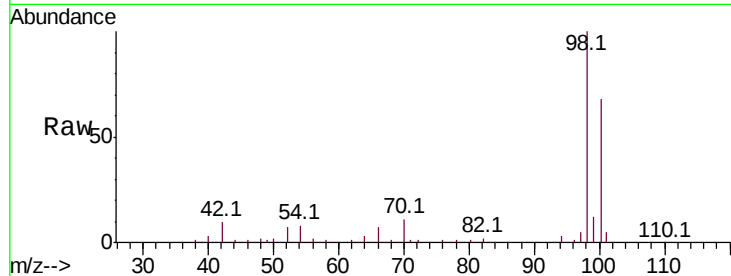




#51
4-Methyl-2-Pentanone
Concen: 2.073 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD067394.D
Acq: 26 Oct 2020 16:02

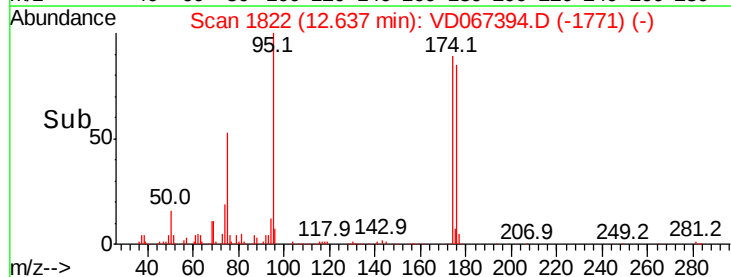
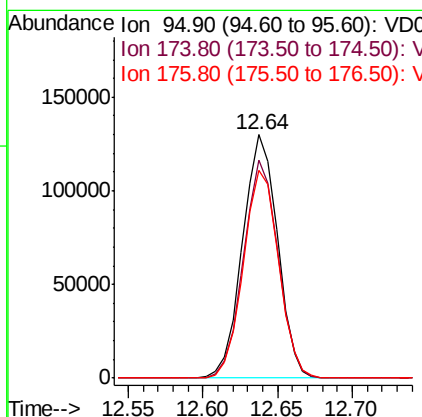
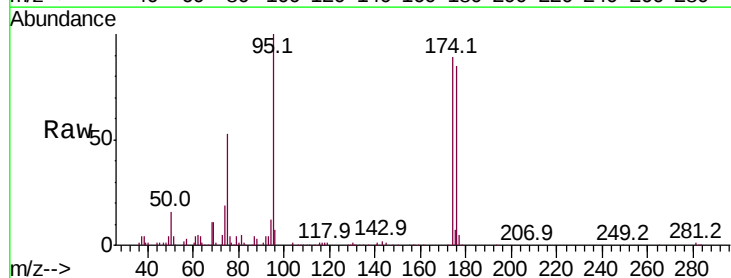
Instrument :
MSVOA_D
ClientSampleId :
VOC-6

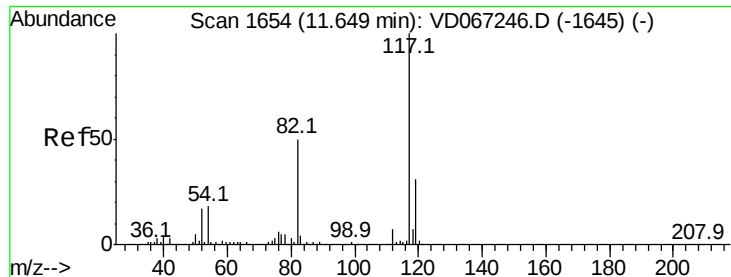
Tot Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
58 164.5 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 51.211 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067394.D
Acq: 26 Oct 2020 16:02

Tgt Ion: 95 Resp: 211216
Ion Ratio Lower Upper
95 100
174 88.3 0.0 175.2
176 86.0 0.0 168.6

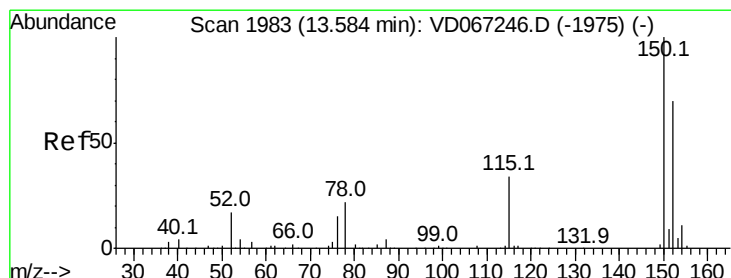
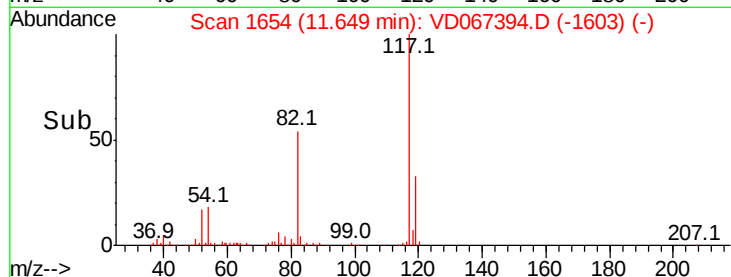
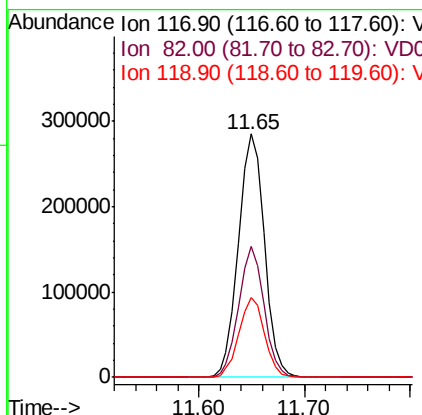
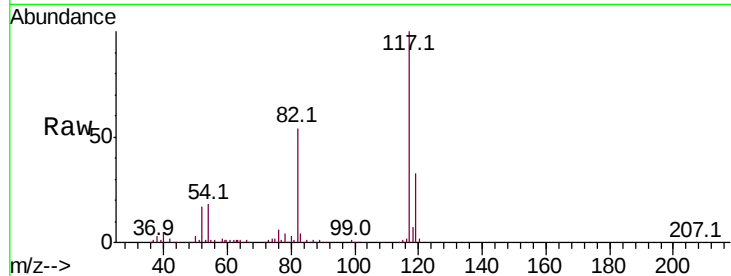




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067394.D
Acq: 26 Oct 2020 16:02

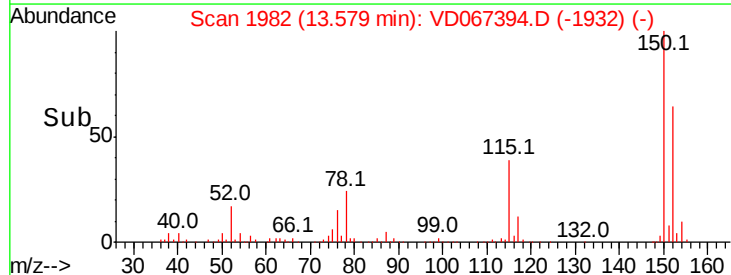
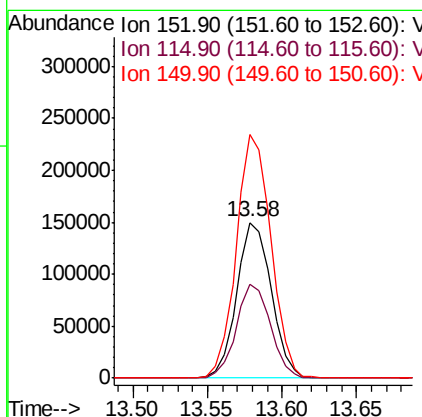
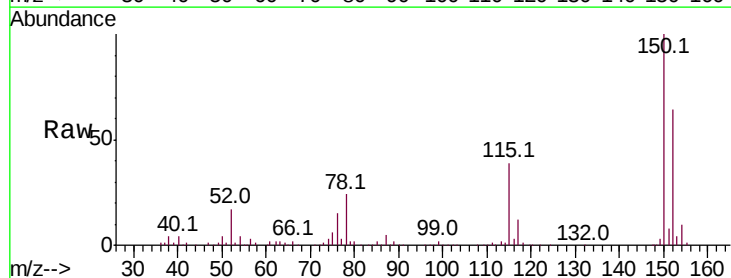
Instrument :
MSVOA_D
ClientSampleId :
VOC-6

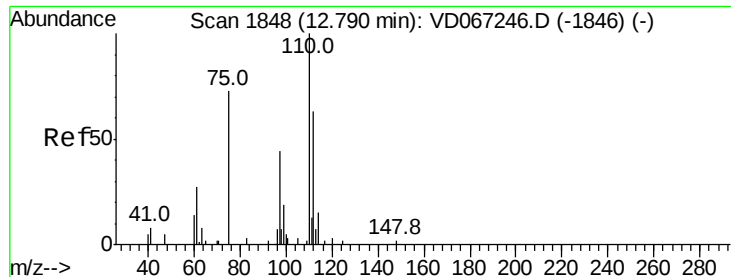
Tot Ion:117 Resp: 485731
Ion Ratio Lower Upper
117 100
82 53.6 39.9 59.9
119 33.0 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067394.D
Acq: 26 Oct 2020 16:02

Tgt Ion:152 Resp: 241345
Ion Ratio Lower Upper
152 100
115 59.9 29.3 87.9
150 156.8 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 64.851 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

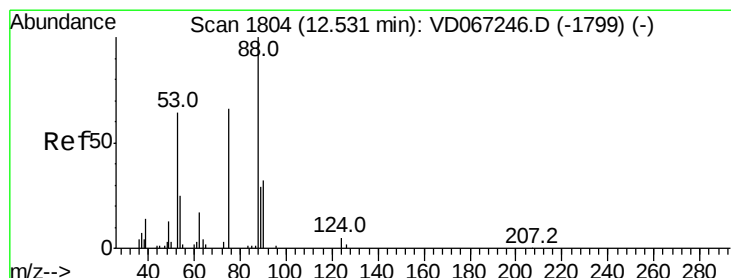
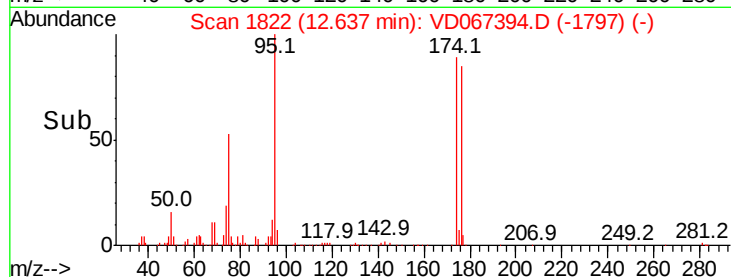
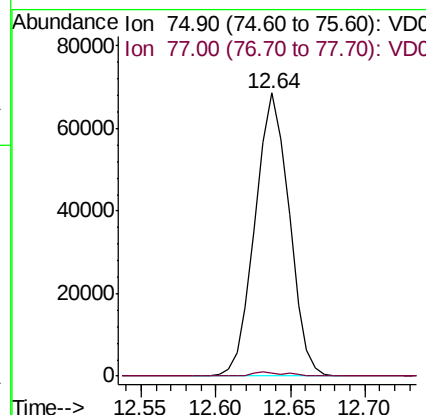
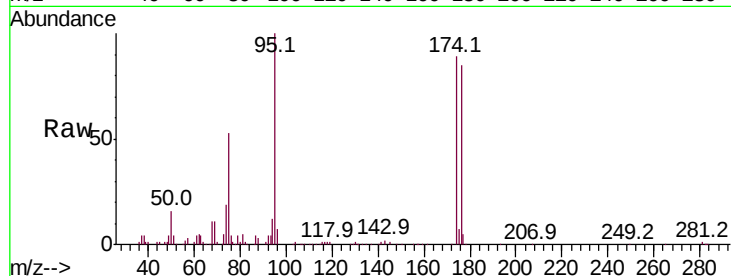
VOC-6

Tot Ion: 75 Resp: 108479

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.062 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067394.D

Acq: 26 Oct 2020 16:02

Tgt Ion: 75 Resp: 108479

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

