

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066798.D
 Acq On : 21 Sep 2020 22:16
 Operator : VA/SY
 Sample : L4099-01
 Misc : 3.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 029

Quant Time: Sep 22 00:56:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	346331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	639455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	637526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282156	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	214519	58.05	ug/l	0.00
Spiked Amount			Recovery	=	116.10%	
35) Dibromofluoromethane	7.91	113	207856	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
50) Toluene-d8	10.34	98	798093	57.14	ug/l	0.00
Spiked Amount			Recovery	=	114.28%	
62) 4-Bromofluorobenzene	12.63	95	268665	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	

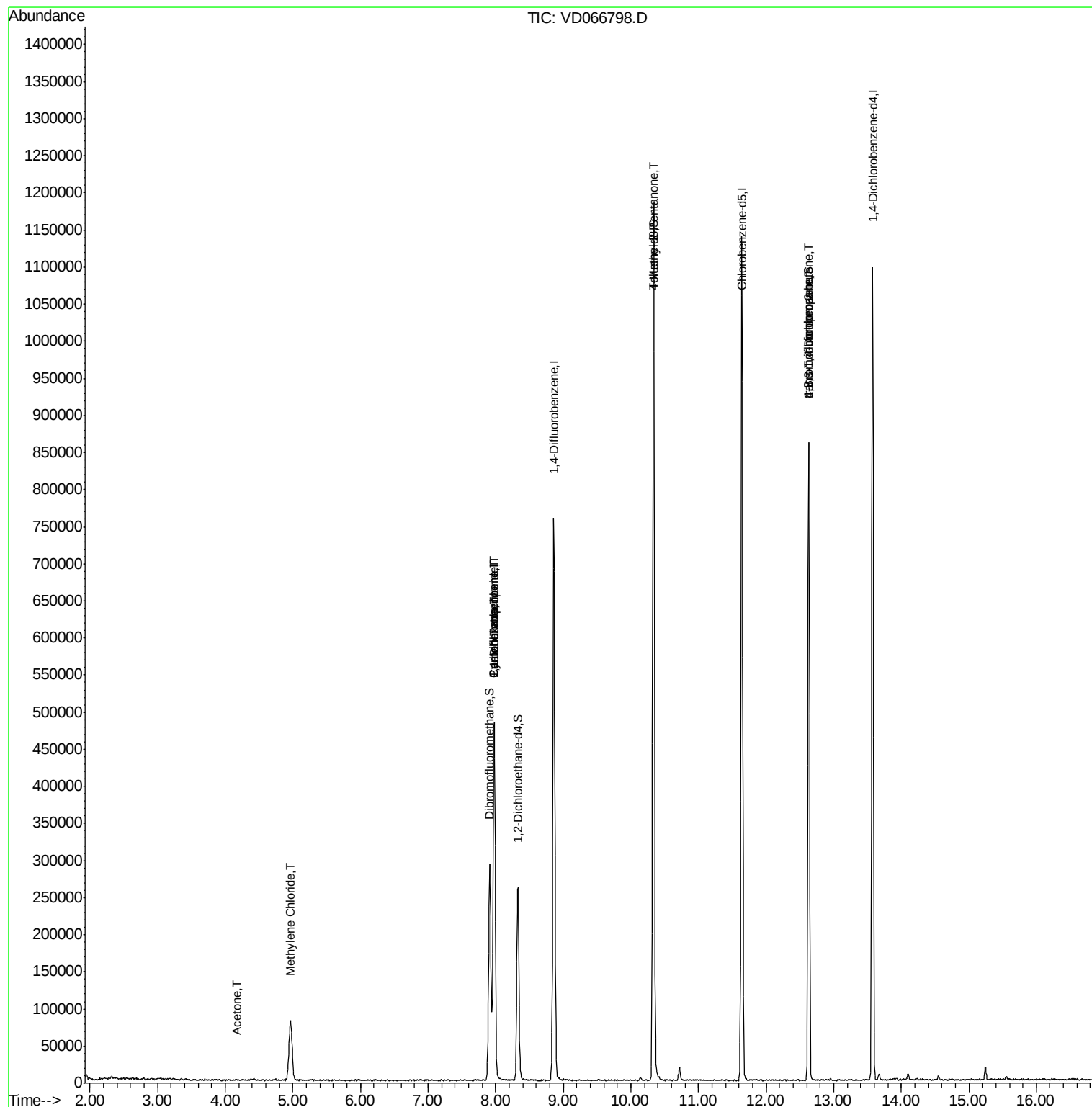
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	79	Below Cal	#	43
16) Acetone	4.17	43	935	1.243	ug/l #	47
18) Methyl Acetate	4.80	43	53	Below Cal	#	52
20) Methylene Chloride	4.97	84	64364	10.027	ug/l	87
31) Cyclohexane	7.98	56	8501	1.302	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	29649	4.510	ug/l #	51
38) Carbon Tetrachloride	7.97	117	37815	5.416	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	3473	1.440	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	145315	60.168	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	145315	129.854	ug/l #	8

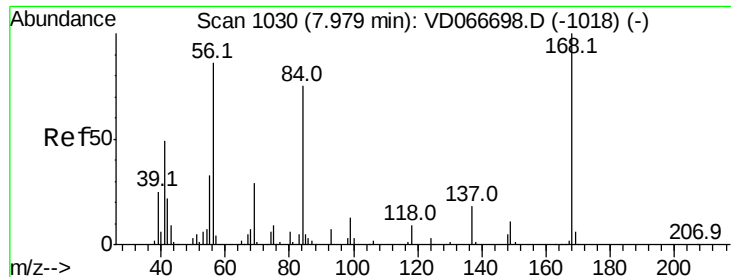
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092120\
Data File : VD066798.D
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Operator : VA/SY
Sample : L4099-01
Misc : 3.69G/5.00ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
029

Quant Time: Sep 22 00:56:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

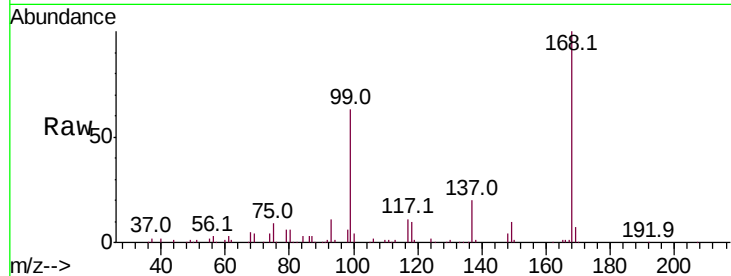
Instrument :
MSVOA_D
ClientSampleId :
029

Tot Ion:168 Resp: 346331

Ion Ratio Lower Upper

168 100

99 62.6 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

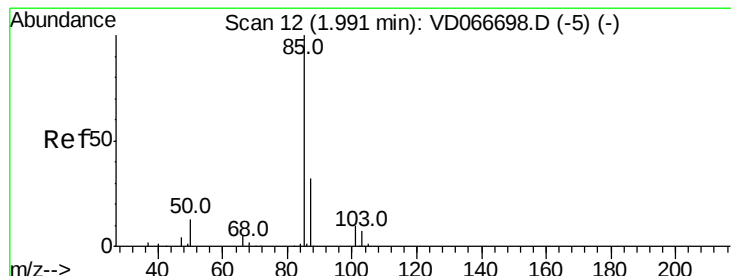
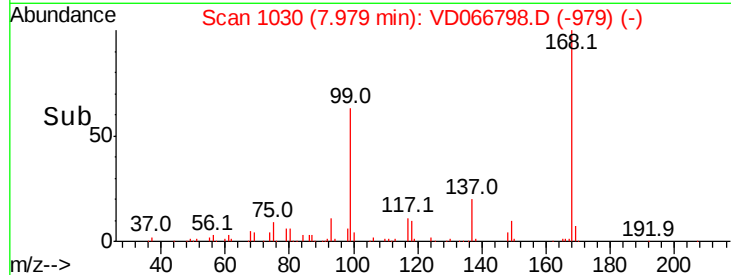
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066798.D

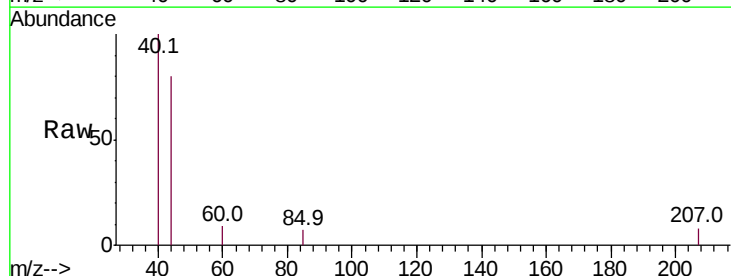
Acq: 21 Sep 2020 22:16

Tgt Ion: 85 Resp: 79

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

250

200

150

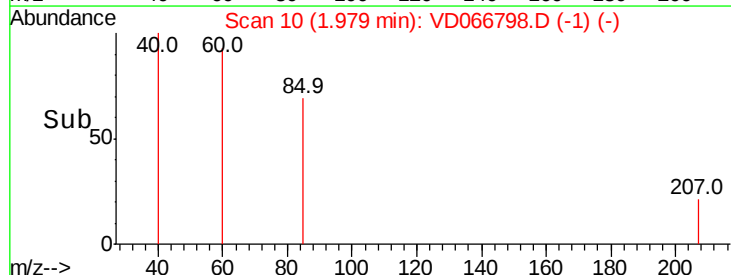
100

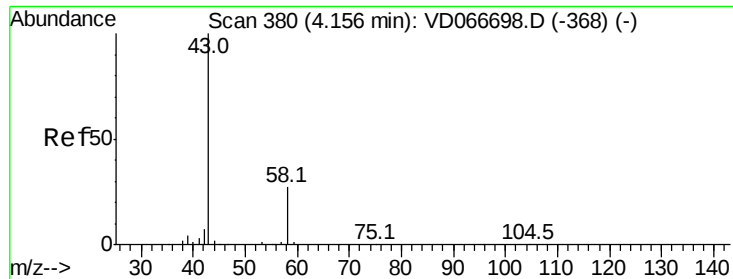
50

0

1.96 1.97 1.98 1.99

Time-->





#16

Acetone

Concen: 1.243 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

Instrument :

MSVOA_D

ClientSampled :

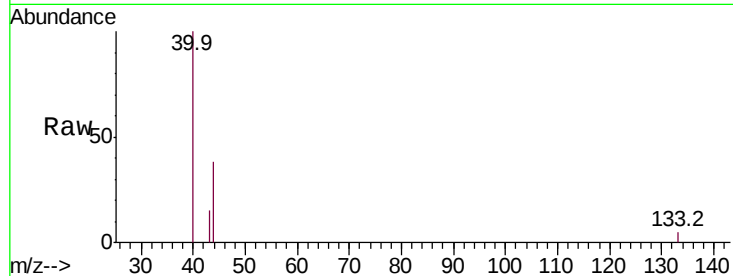
029

Tot Ion: 43 Resp: 935

Ion Ratio Lower Upper

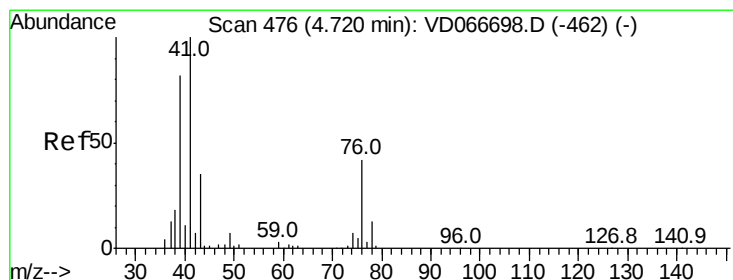
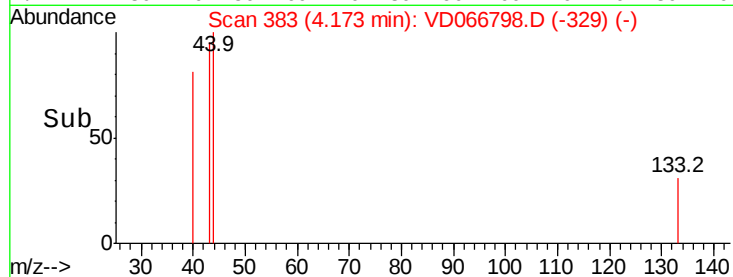
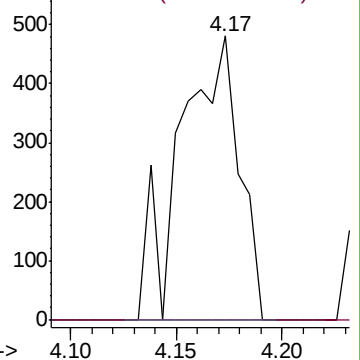
43 100

58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.80 min Scan# 490

Delta R.T. 0.08 min

Lab File: VD066798.D

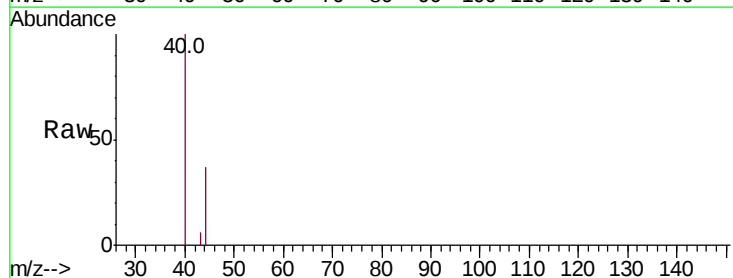
Acq: 21 Sep 2020 22:16

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

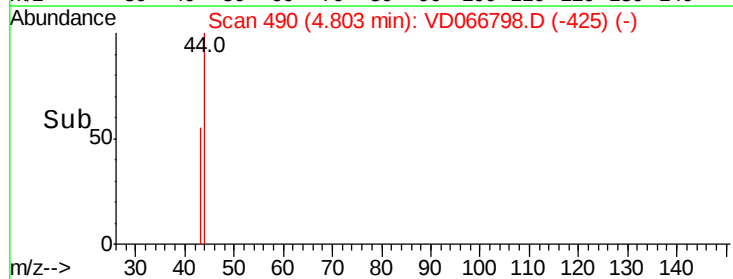
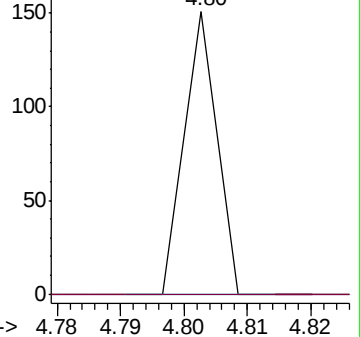
43 100

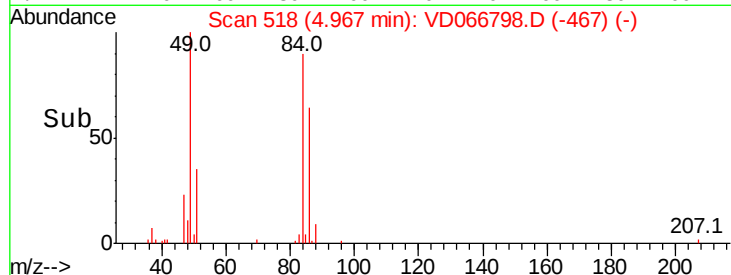
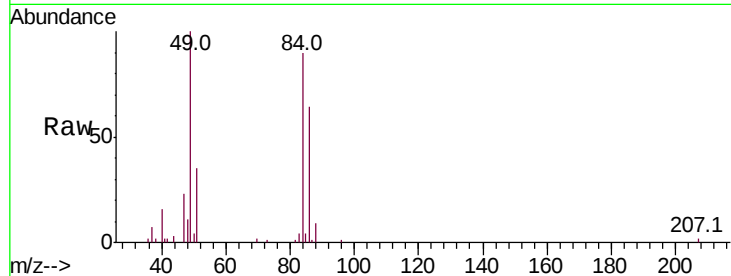
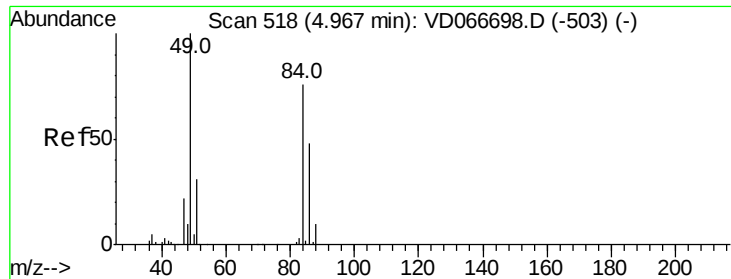
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

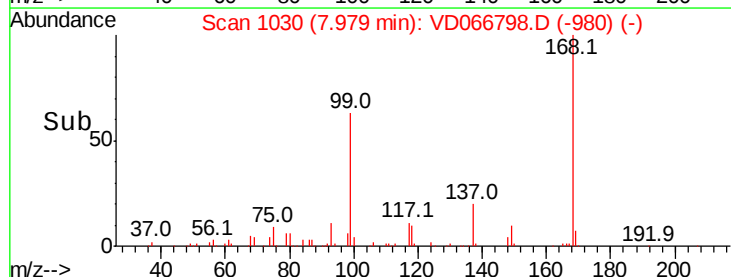
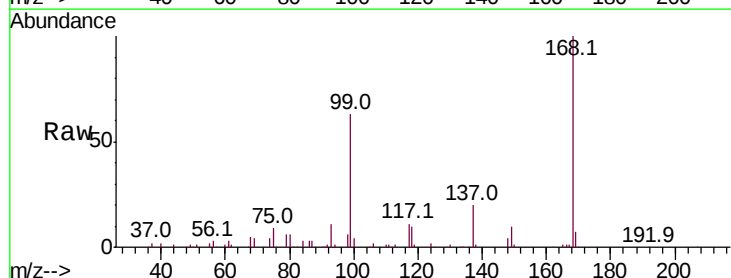
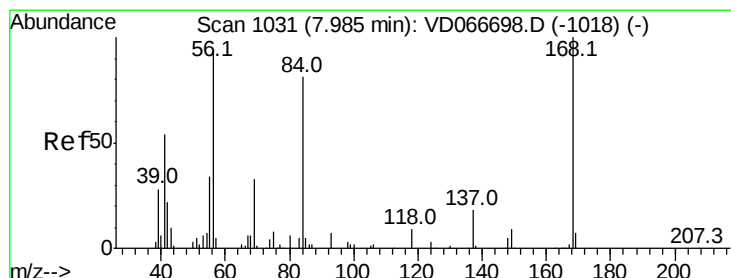
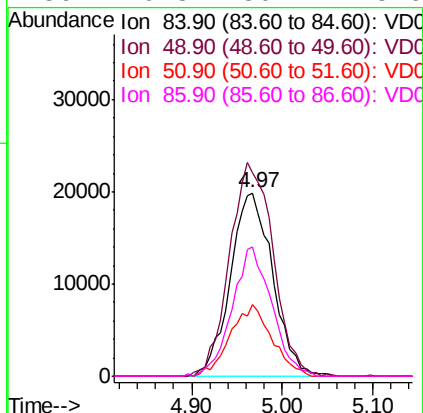




#20
Methvlene Chloride
Concen: 10.027 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066798.D
Acq: 21 Sep 2020 22:16

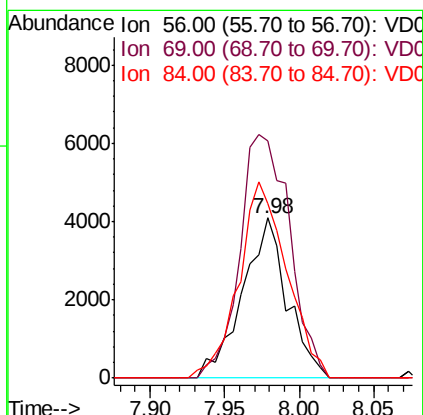
Instrument :
MSVOA_D
ClientSampleId :
029

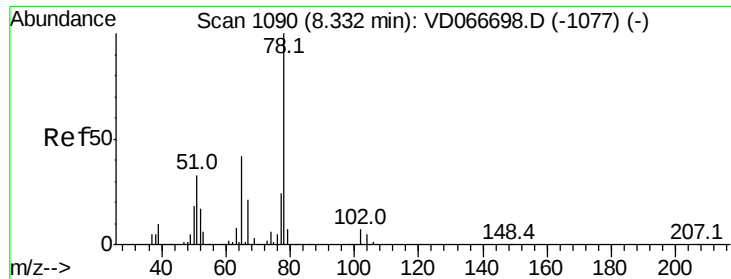
Tot Ion:	84	Resp:	64364
Ion	Ratio	Lower	Upper
84	100		
49	111.0	105.0	157.6
51	39.1	32.2	48.4
86	70.8	50.4	75.6



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066798.D
Acq: 21 Sep 2020 22:16

Tgt Ion:	56	Resp:	8501
Ion	Ratio	Lower	Upper
56	100		
69	148.0	27.7	41.5#
84	109.0	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 58.054 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

Instrument :

MSVOA_D

ClientSampled :

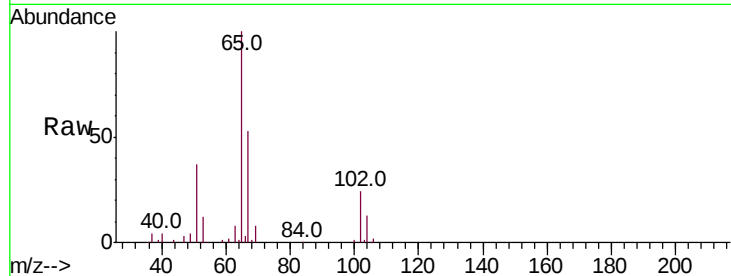
029

Tot Ion: 65 Resp: 214519

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

40000

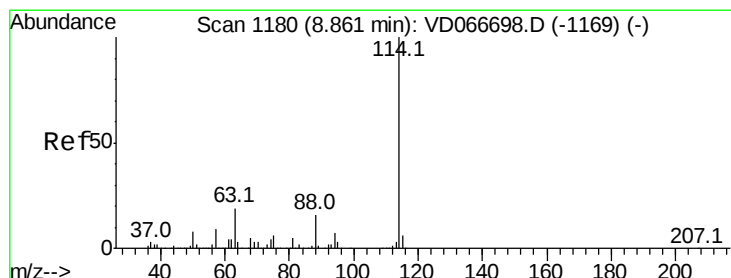
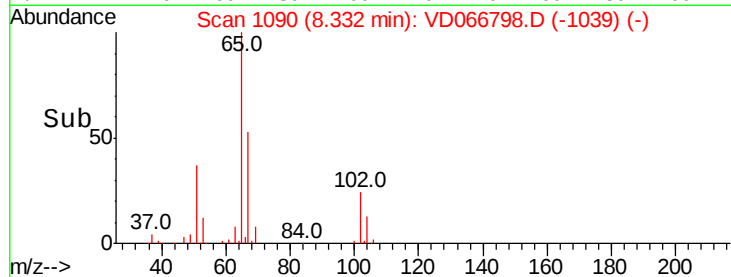
20000

0

8.30

8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

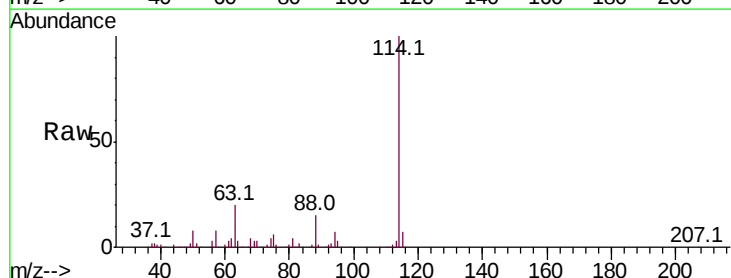
Tgt Ion: 114 Resp: 639455

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.6

88 15.4 0.0 32.2



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

8.86

400000

300000

200000

100000

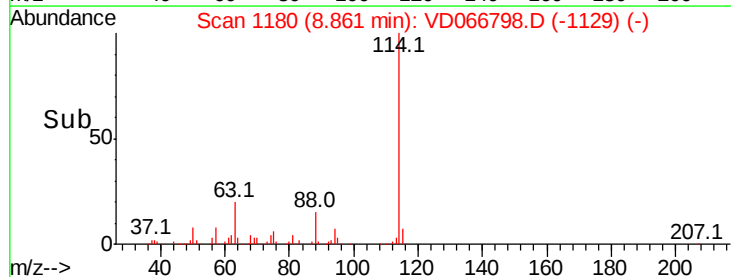
0

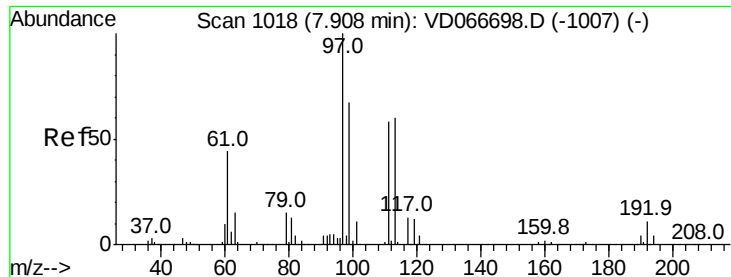
8.80

8.90

9.00

Time-->

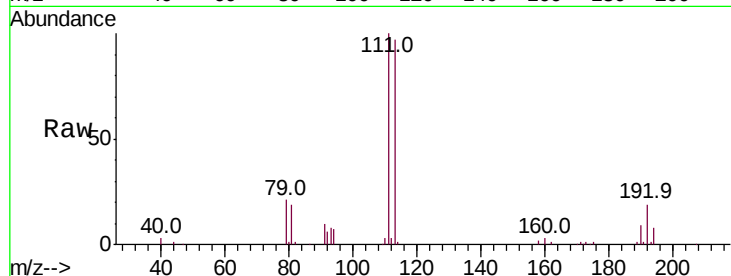




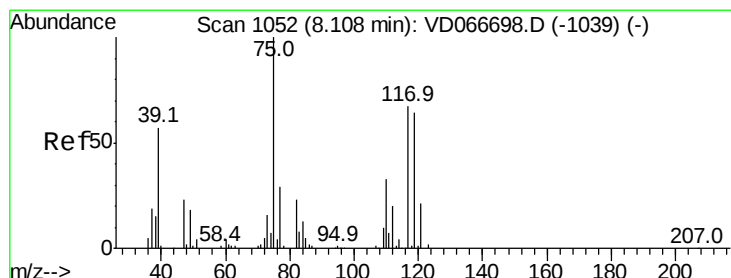
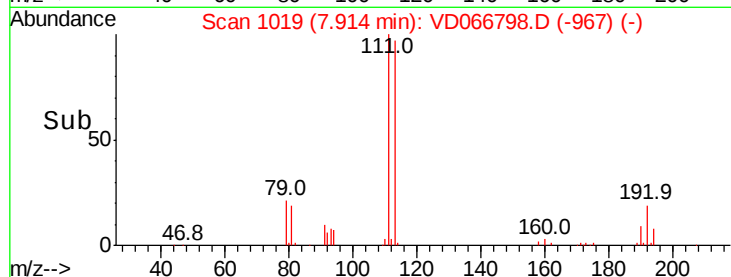
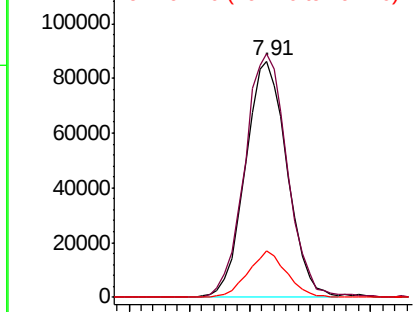
#35
 Dibromofluoromethane
 Concen: 53.018 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066798.D
 Acq: 21 Sep 2020 22:16

Instrument :
 MSVOA_D
 ClientSampleID :
 029

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.8	83.2	124.8
192	18.3	14.8	22.2

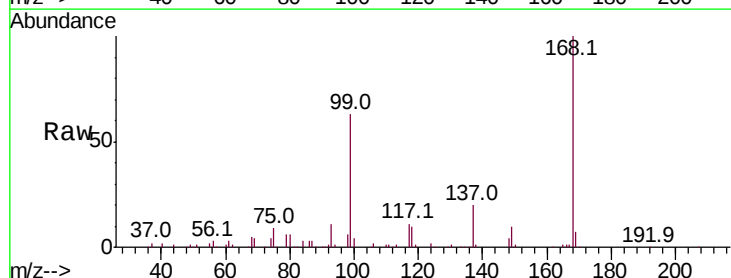


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

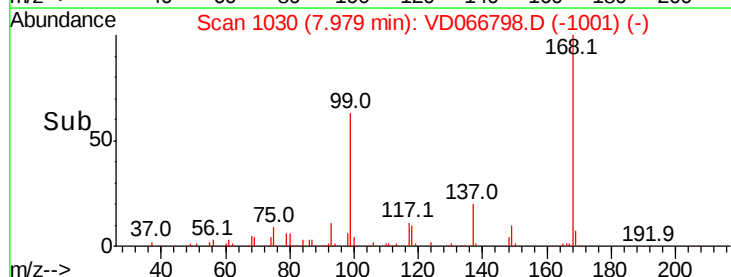
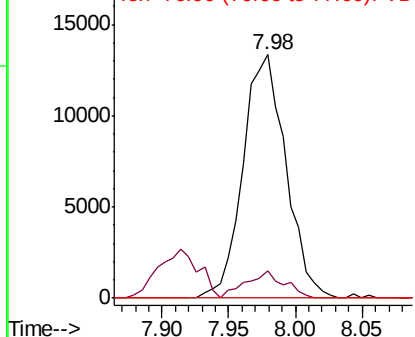


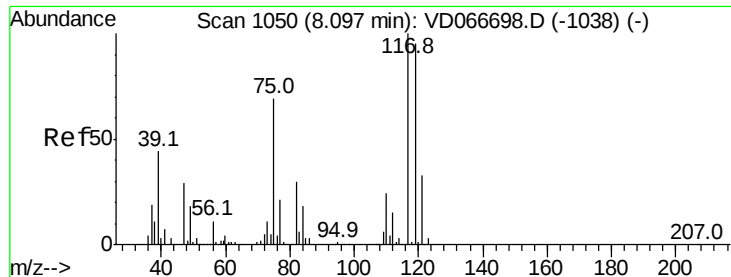
#36
 1,1-Dichloropropene
 Concen: 4.510 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066798.D
 Acq: 21 Sep 2020 22:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.1	51.2#
77	0.0	25.0	37.6#



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: 5.416 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

Instrument :

MSVOA_D

ClientSampleId :

029

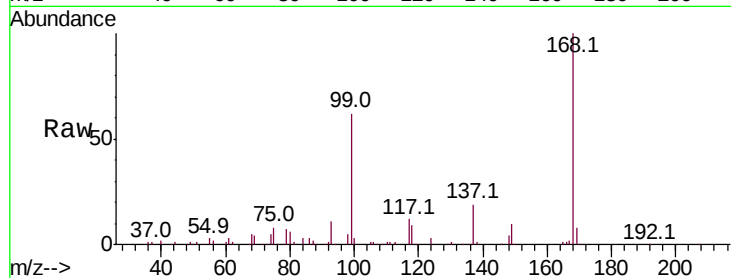
Tot Ion:117 Resp: 37815

Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

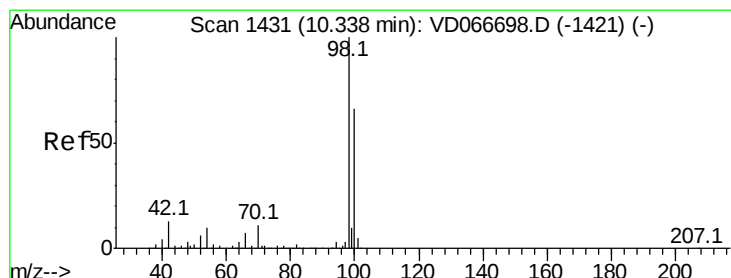
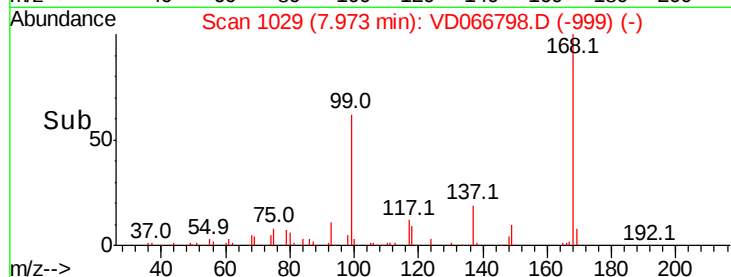
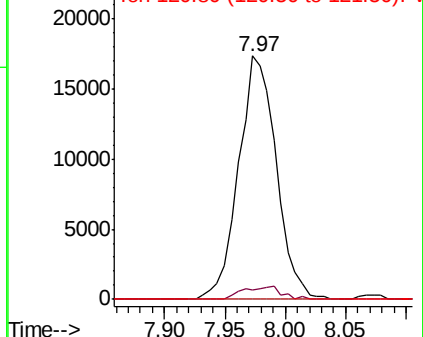
121 0.0 26.2 39.4#



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: 57.139 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066798.D

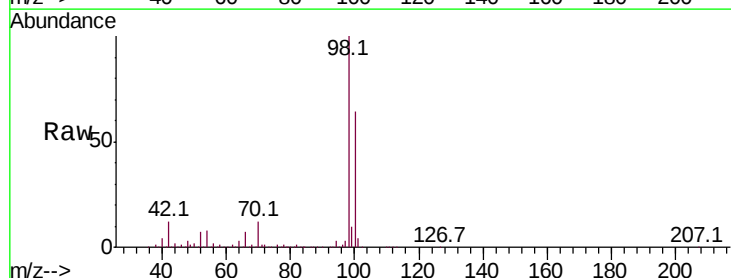
Acq: 21 Sep 2020 22:16

Tgt Ion: 98 Resp: 798093

Ion Ratio Lower Upper

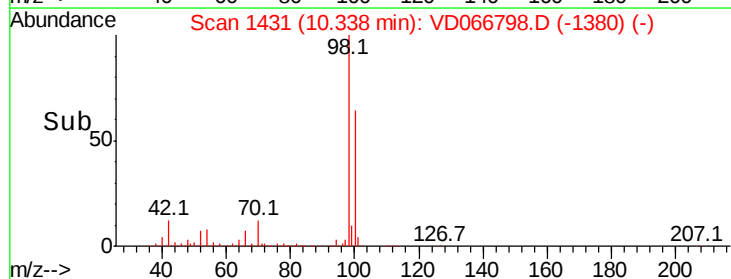
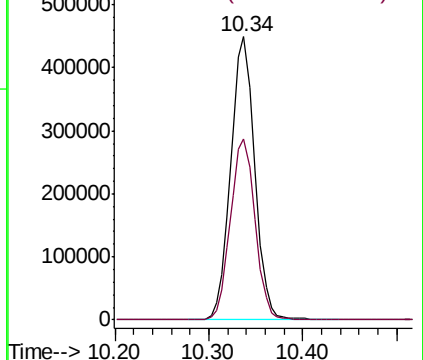
98 100

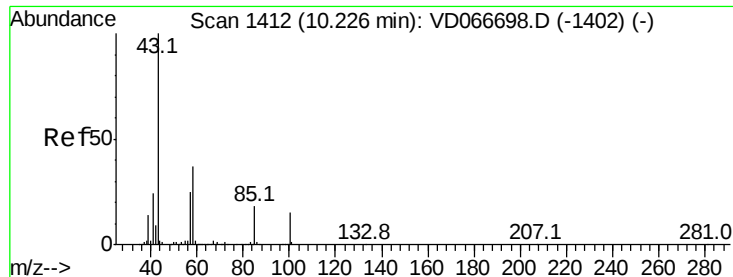
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.440 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

Instrument :

MSVOA_D

ClientSampleId :

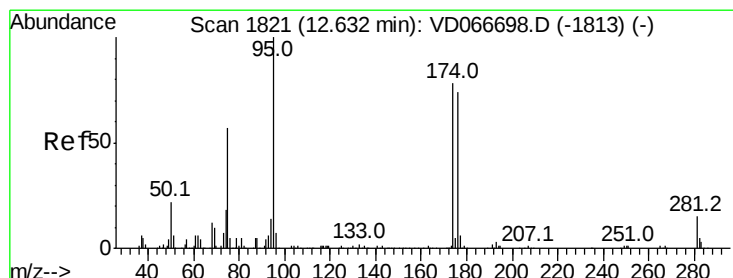
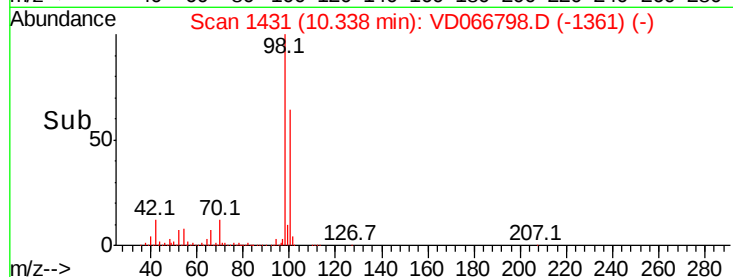
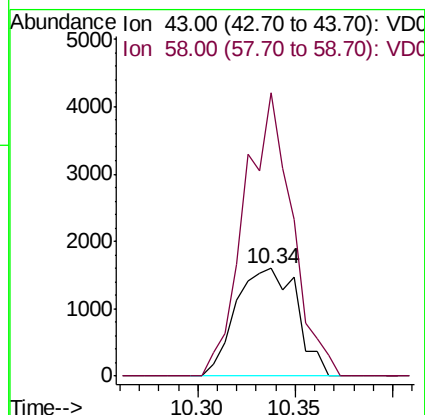
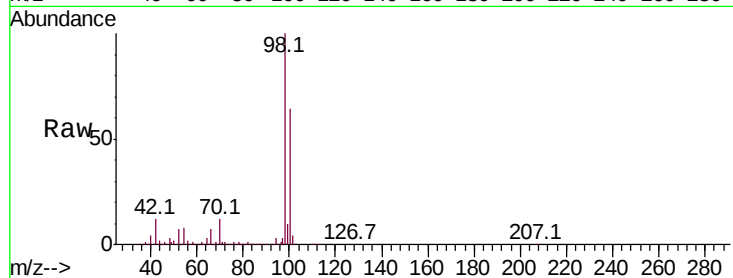
029

Tot Ion: 43 Resp: 3473

Ion Ratio Lower Upper

43 100

58 205.8 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 55.723 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

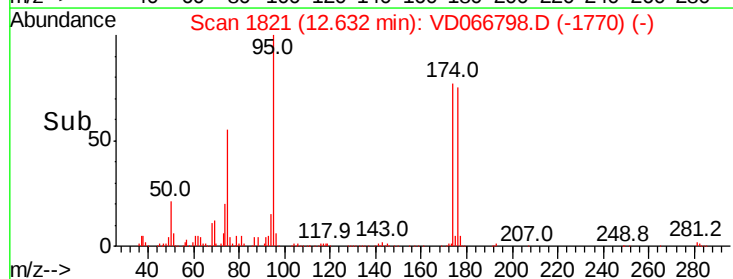
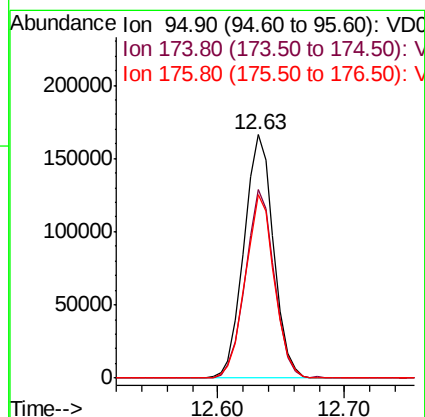
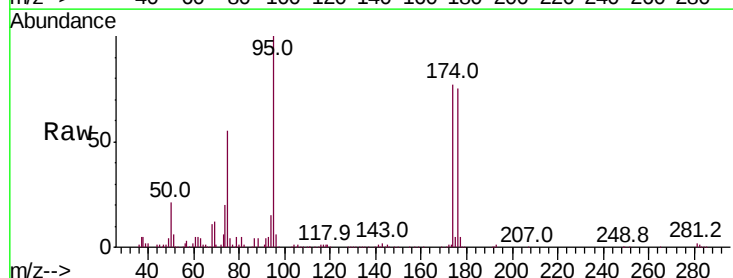
Tgt Ion: 95 Resp: 268665

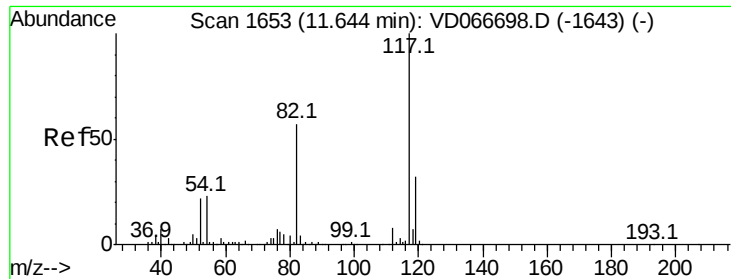
Ion Ratio Lower Upper

95 100

174 75.7 0.0 156.6

176 74.1 0.0 150.2

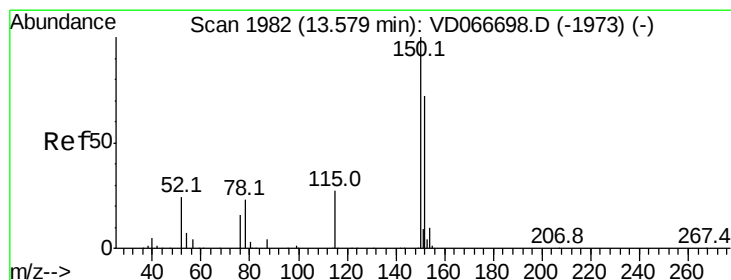
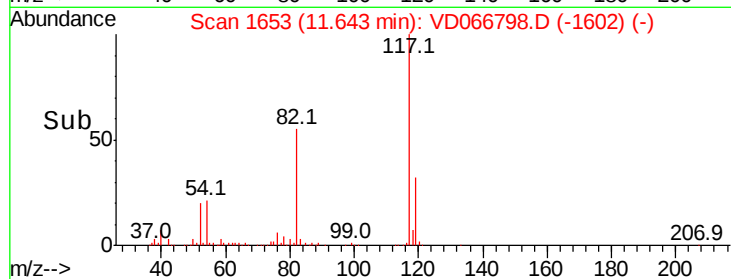
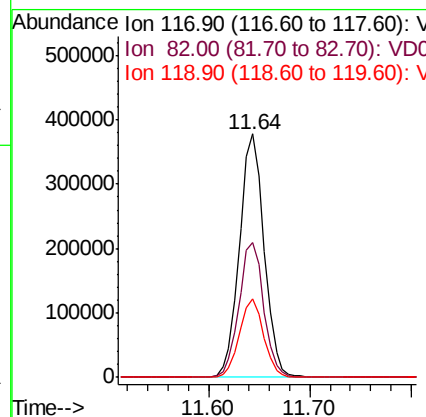
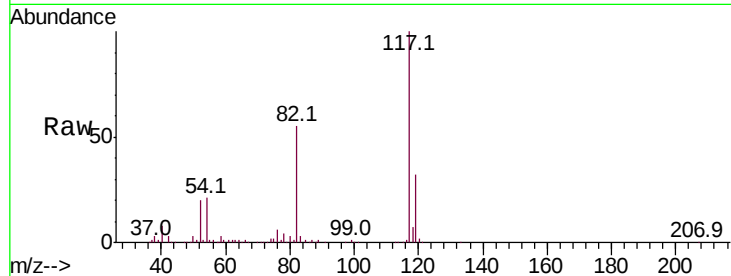




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066798.D
Acq: 21 Sep 2020 22:16

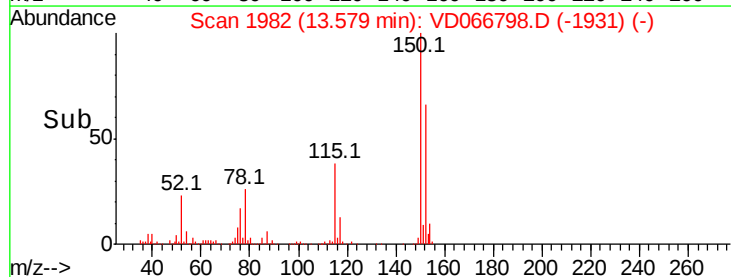
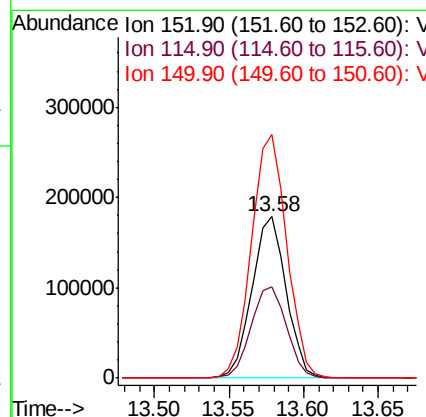
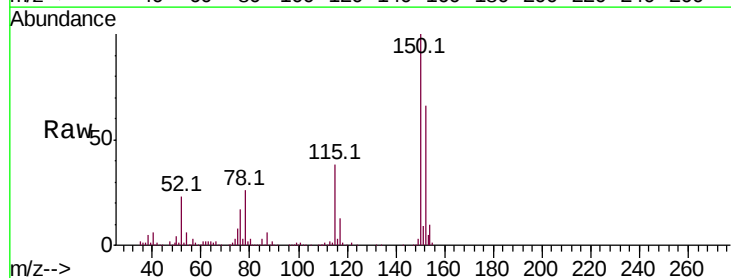
Instrument :
MSVOA_D
ClientSampleId :
029

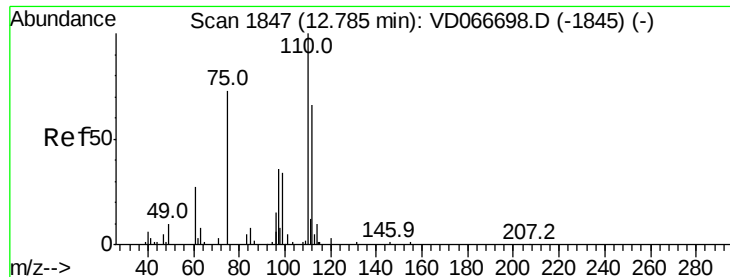
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.0
119	32.0	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066798.D
Acq: 21 Sep 2020 22:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.5	91.5
150	155.5	0.0	344.6





#76

1,2,3-Trichloropropane

Concen: 60.168 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

Instrument :

MSVOA_D

ClientSampled :

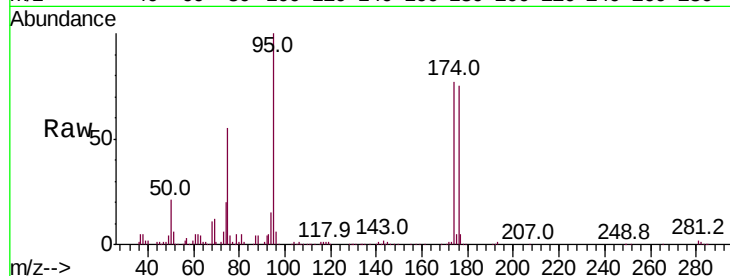
029

Tot Ion: 75 Resp: 145315

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

12.63

100000

80000

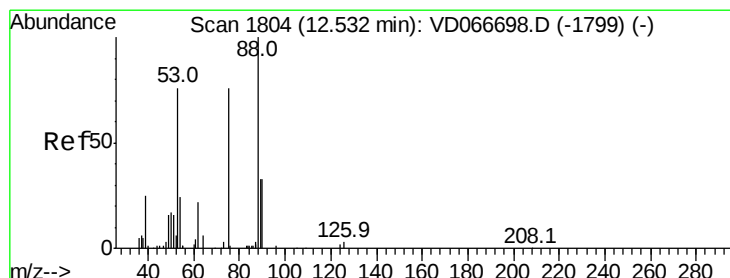
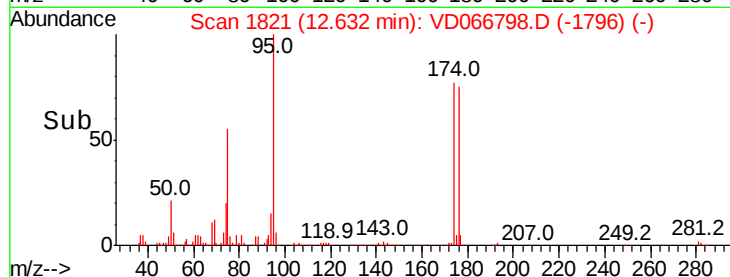
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 129.854 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066798.D

Acq: 21 Sep 2020 22:16

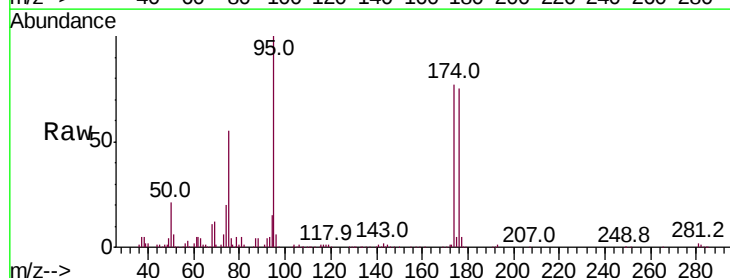
Tgt Ion: 75 Resp: 145315

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.63

120000

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

