

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111621\
 Data File : VD071039.D
 Acq On : 16 Nov 2021 12:26
 Operator : VA/SY
 Sample : VD1116SBL01
 Misc : 5.00G/5.00mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 17 03:22:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

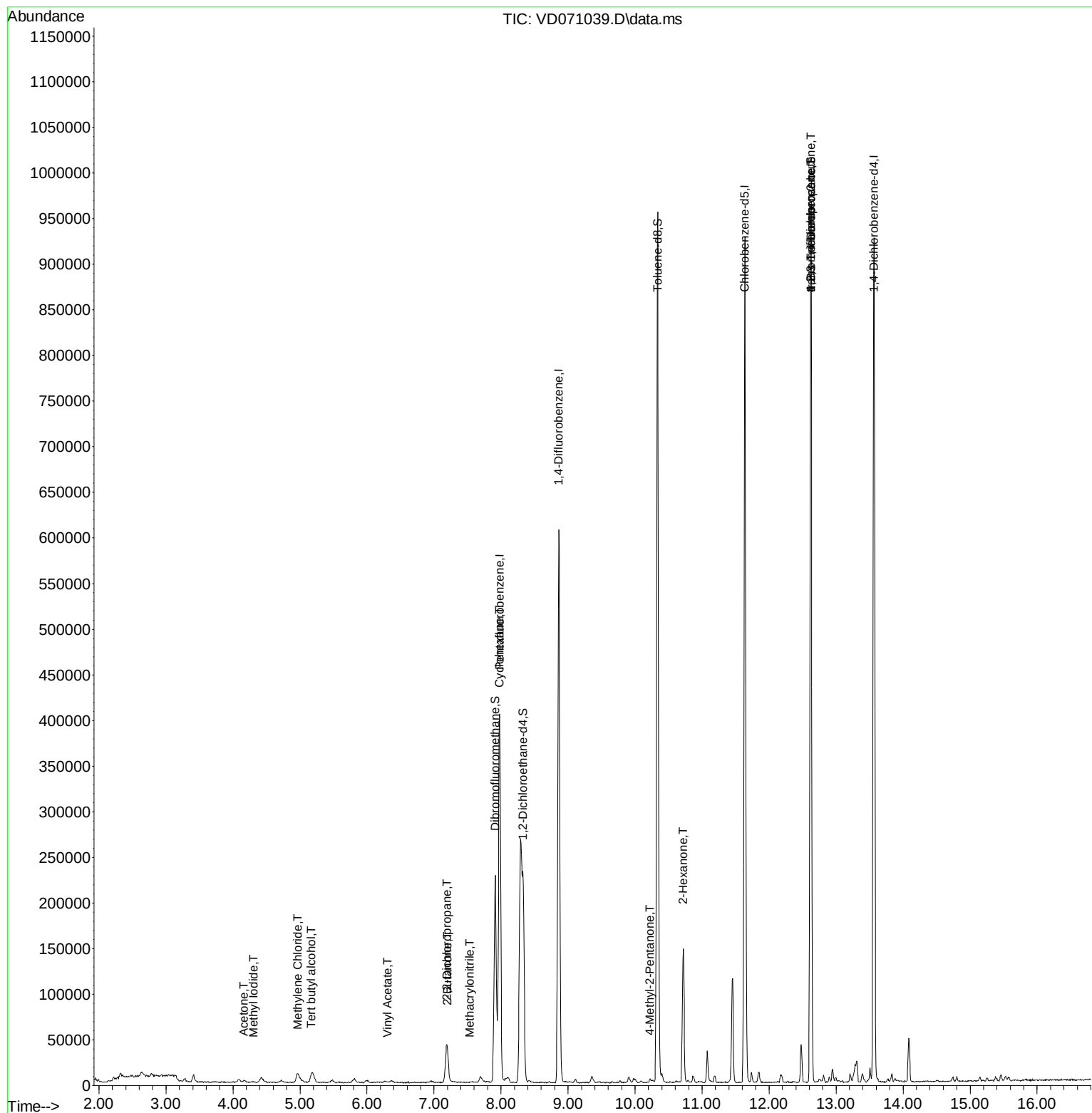
Internal Standards						
1) Pentafluorobenzene	7.979	168	281571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	496856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	492631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	227416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	159597	53.24	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	106.48%	
35) Dibromofluoromethane	7.914	113	156205	55.71	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	111.42%	
50) Toluene-d8	10.338	98	629223	57.31	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	114.62%	
62) 4-Bromofluorobenzene	12.626	95	237767	60.14	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	120.28%	
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	1122	6.32	ug/l #	72
11) Tert butyl alcohol	5.173	59	11123	50.77	ug/l #	71
13) Acrolein	3.944	56	60	Below Cal	#	13
16) Acetone	4.162	43	4289	24.67	ug/l #	84
20) Methylene Chloride	4.967	84	6546	1.51	ug/l	93
23) Vinyl Acetate	6.308	43	1428	21.20	ug/l #	72
25) 2-Butanone	7.203	43	3525	23.46	ug/l #	45
26) 2,2-Dichloropropane	7.191	77	5011	1.00	ug/l #	52
31) Cyclohexane	7.973	56	10931	1.77	ug/l #	35
41) Methacrylonitrile	7.532	41	220	3.64	ug/l #	12
51) 4-Methyl-2-Pentanone	10.220	43	2859	1.38	ug/l #	76
59) 2-Hexanone	10.720	43	630	16.30	ug/l	66
76) 1,2,3-Trichloropropane	12.626	75	135004	69.50	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	135004	128.25	ug/l #	19

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



Abundance Scan 1030 (7.979 min): VD070947.D\data.ms (-1010) (-)

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:168 Resp: 281571

Ion Ratio Lower Upper

168 100

99 63.1 46.6 69.8

Abundance Scan 1030 (7.979 min): VD071039.D\data.ms

Ref 50

56.0 84.0 117.8 136.9 168.0

m/z-->

Abundance Scan 1030 (7.979 min): VD071039.D\data.ms

Raw 50

37.0 56.0 75.0 99.0 117.9 137.0 168.0

m/z-->

Abundance Scan 1030 (7.979 min): VD071039.D\data.ms (-979) (-)

Sub 50

37.0 56.0 75.0 99.0 117.9 137.0 168.0

m/z-->

Abundance

7.979

100000

50000

0

Time-->

7.90 8.00 8.10

Abundance Scan 404 (4.297 min): VD070947.D\data.ms (-392) (-)

Methyl Iodide

Concen: 6.32 ug/l

RT: 4.303 min Scan# 405

Delta R.T. 0.006 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Tgt Ion:142 Resp: 1122

Ion Ratio Lower Upper

142 100

127 27.3 35.0 52.4#

141 0.0 12.0 18.0#

Abundance Scan 405 (4.303 min): VD071039.D\data.ms

Ref 50

39.9 126.8 142.0

m/z-->

Abundance Scan 405 (4.303 min): VD071039.D\data.ms

Raw 50

39.9 126.8 142.0

m/z-->

Abundance Scan 405 (4.303 min): VD071039.D\data.ms (-353) (-)

Sub 50

39.9 126.8 142.0

m/z-->

Abundance

4.303

400

300

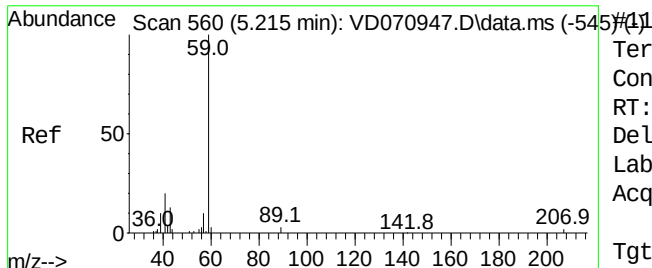
200

100

0

Time-->

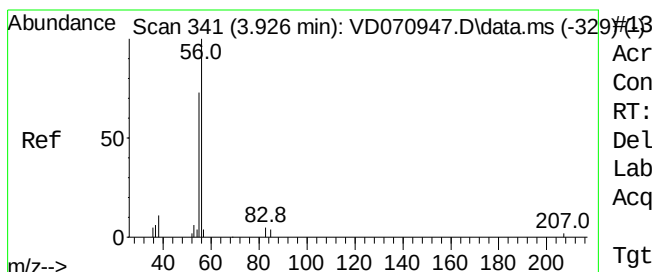
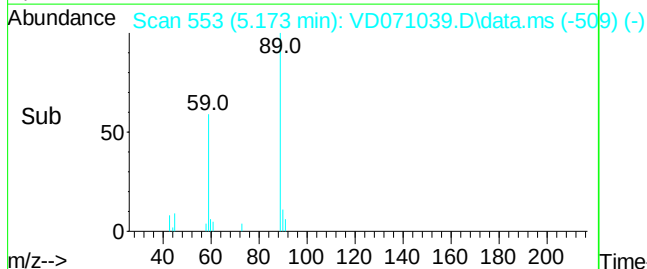
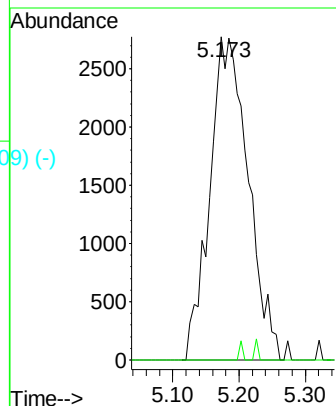
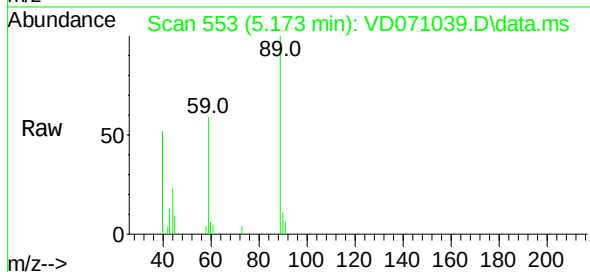
4.25 4.30 4.35



Tert butyl alcohol
 Concen: 50.77 ug/l
 RT: 5.173 min Scan# 41
 Delta R.T. -0.042 min
 Lab File: VD071039.D
 Acq: 16 Nov 2021 12:26

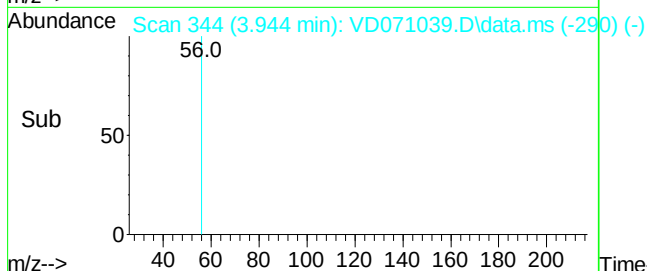
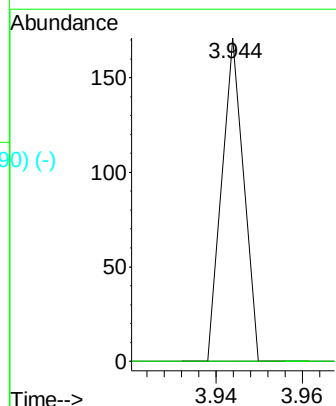
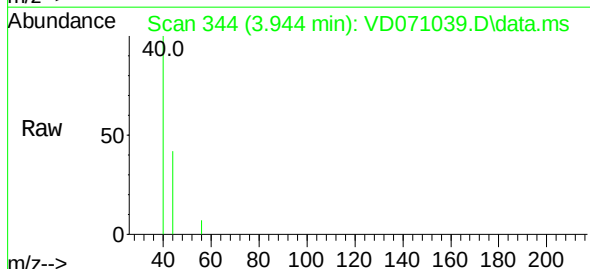
Instrument :
 MSVOA_D
 ClientSampleId :

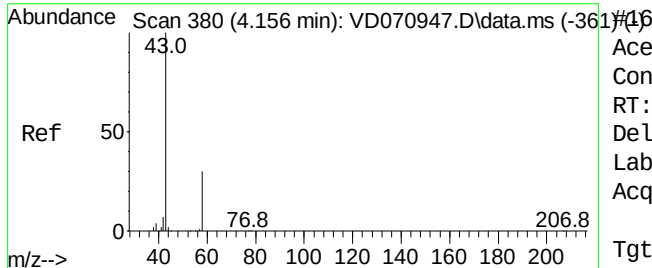
Tgt Ion: 59 Resp: 11123
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#



Acrolein
 Concen: Below Cal
 RT: 3.944 min Scan# 344
 Delta R.T. 0.018 min
 Lab File: VD071039.D
 Acq: 16 Nov 2021 12:26

Tgt Ion: 56 Resp: 60
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.6 87.8#





Acetone

Concen: 24.67 ug/l

RT: 4.162 min Scan#

Delta R.T. 0.006 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Instrument :

MSVOA_D

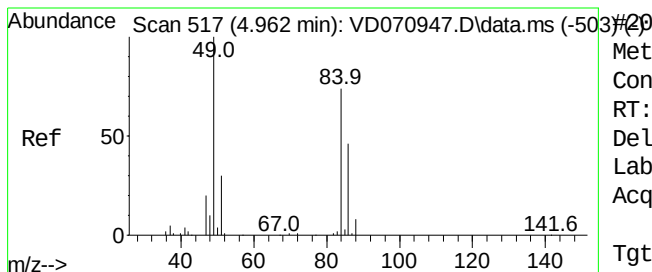
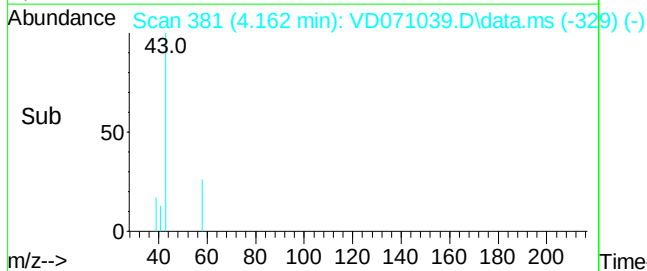
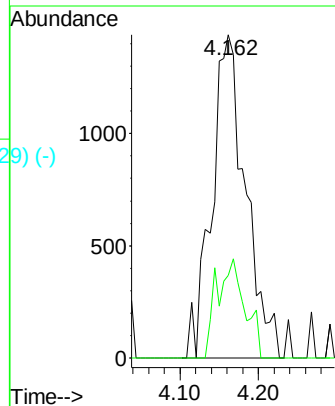
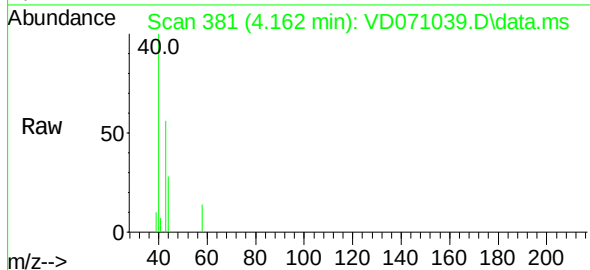
ClientSampleId :

Tgt Ion: 43 Resp: 4289

Ion Ratio Lower Upper

43 100

58 25.6 27.8 41.8#



Methylene Chloride

Concen: 1.51 ug/l

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Tgt Ion: 84 Resp: 6546

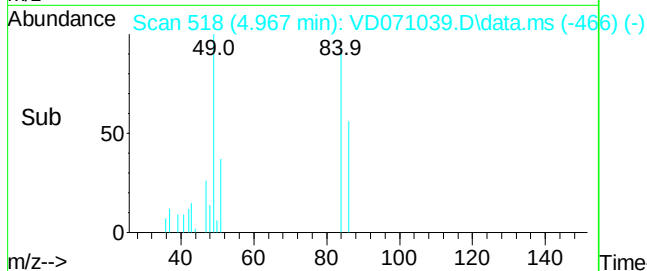
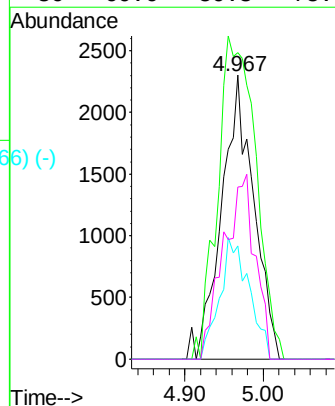
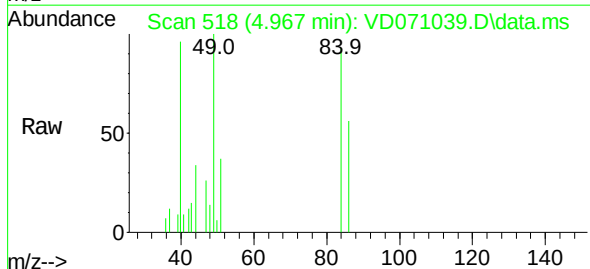
Ion Ratio Lower Upper

84 100

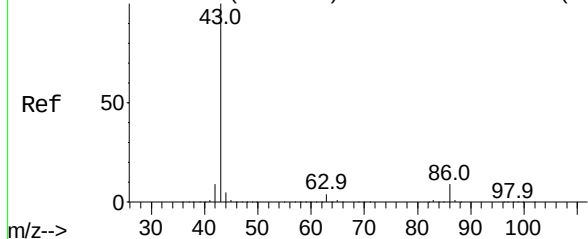
49 107.9 95.8 143.6

51 39.9 30.9 46.3

86 60.6 50.3 75.5



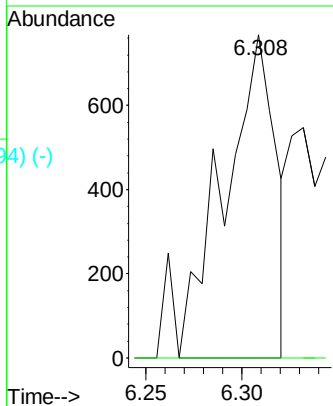
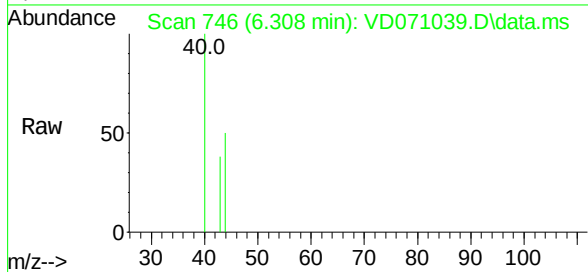
Abundance Scan 745 (6.303 min): VD070947.D\data.ms (-728) #23



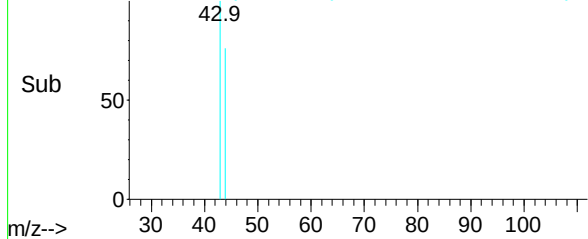
Vinyl Acetate
Concen: 21.20 ug/l
RT: 6.308 min Scan#
Delta R.T. 0.005 min
Lab File: VD071039.D
Acq: 16 Nov 2021 12:26

Instrument :
MSVOA_D
ClientSampleId :

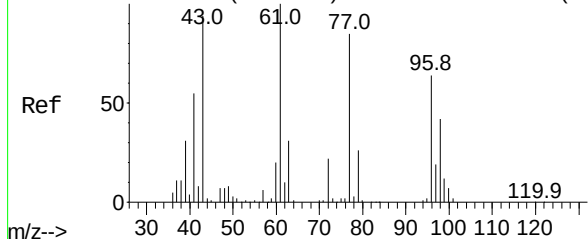
Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



Abundance Scan 746 (6.308 min): VD071039.D\data.ms (-694) (-)

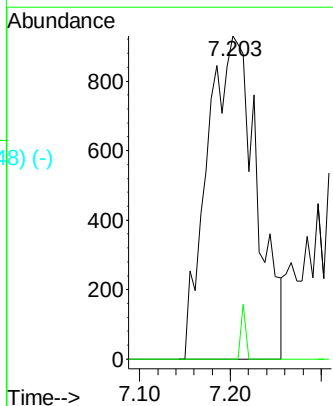
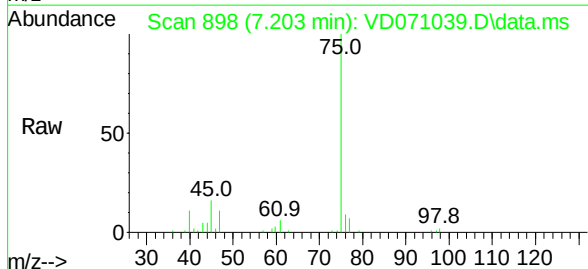


Abundance Scan 899 (7.209 min): VD070947.D\data.ms (-888) #25

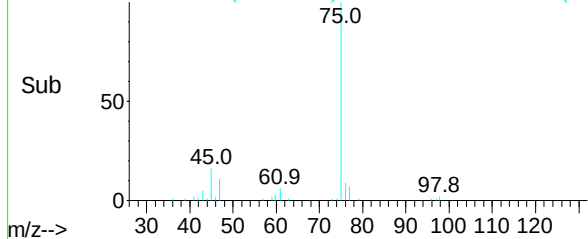


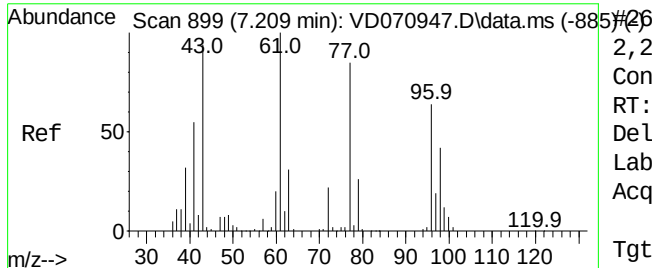
2-Butanone
Concen: 23.46 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD071039.D
Acq: 16 Nov 2021 12:26

Tgt Ion: 43 Resp: 3525
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



Abundance Scan 898 (7.203 min): VD071039.D\data.ms (-848) (-)





2,2-Dichloropropane

Concen: 1.00 ug/l

RT: 7.191 min Scan# 1026

Delta R.T. -0.018 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Instrument :

MSVOA_D

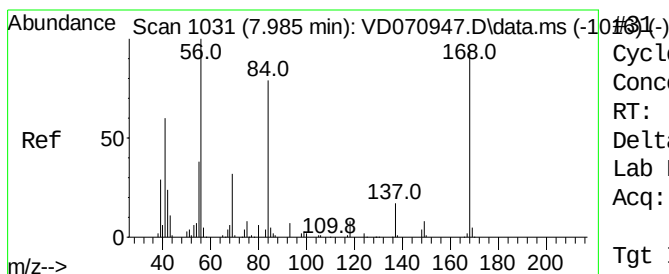
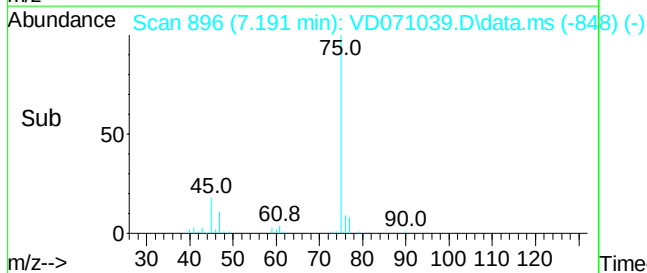
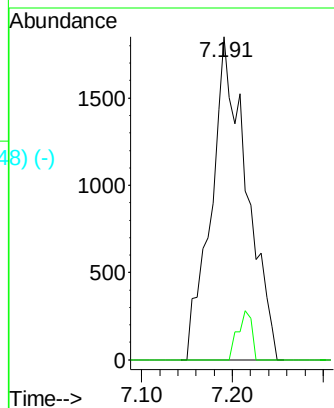
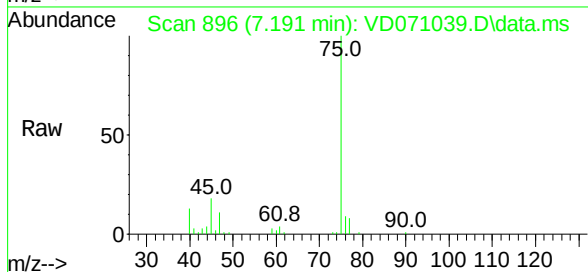
ClientSampleId :

Tgt Ion: 77 Resp: 5011

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#



Cyclohexane

Concen: 1.77 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

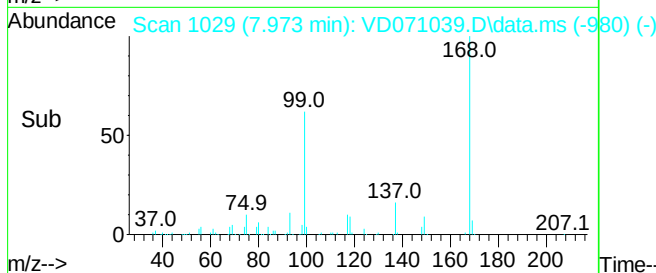
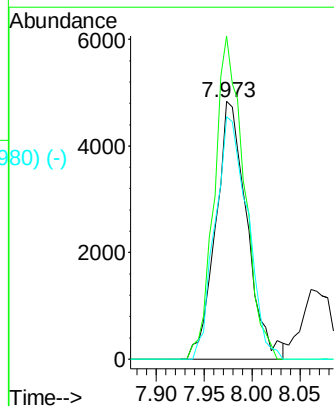
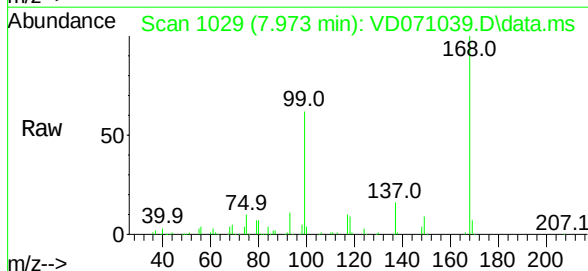
Tgt Ion: 56 Resp: 10931

Ion Ratio Lower Upper

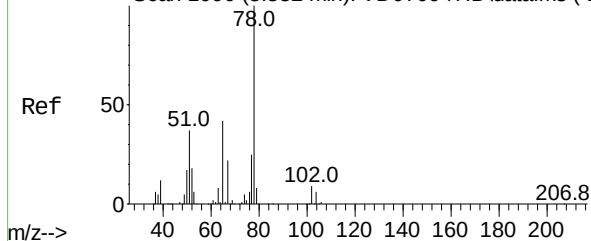
56 100

69 125.4 25.9 38.9#

84 101.5 64.3 96.5#



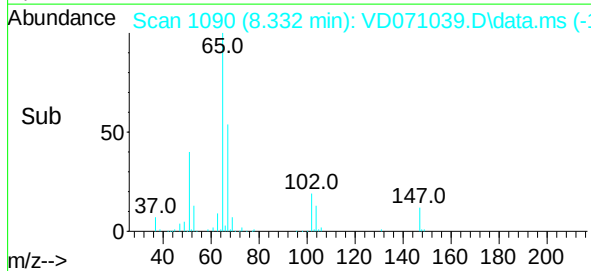
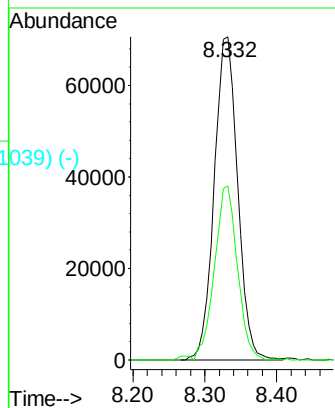
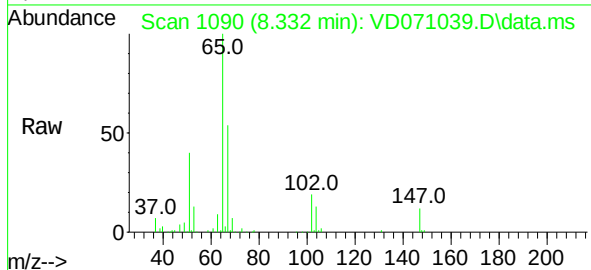
Abundance Scan 1090 (8.332 min): VD070947.D\data.ms (-10793)



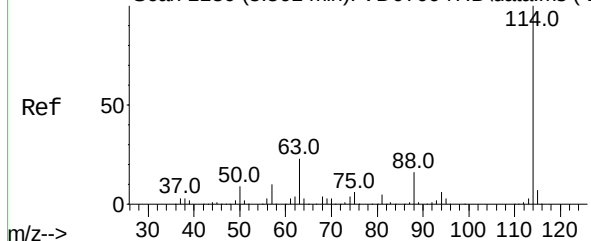
1,2-Dichloroethane-d4
Concen: 53.24 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD071039.D
Acq: 16 Nov 2021 12:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	112.2

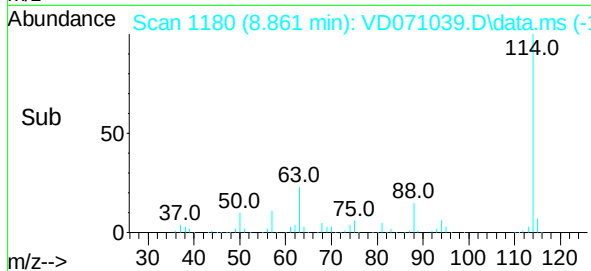
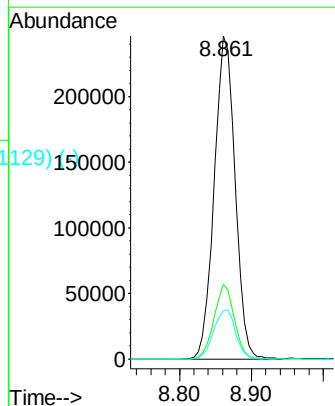
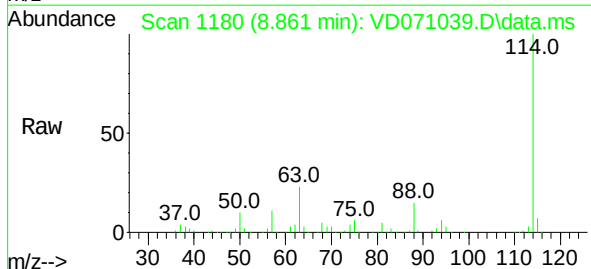


Abundance Scan 1180 (8.861 min): VD070947.D\data.ms (-11704)

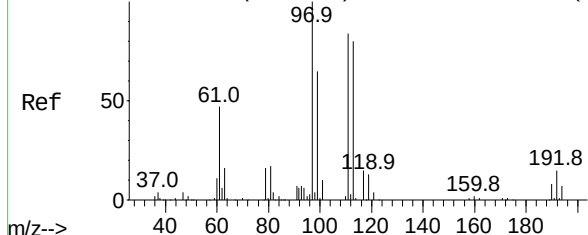


1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071039.D
Acq: 16 Nov 2021 12:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	15.1	0.0	32.8



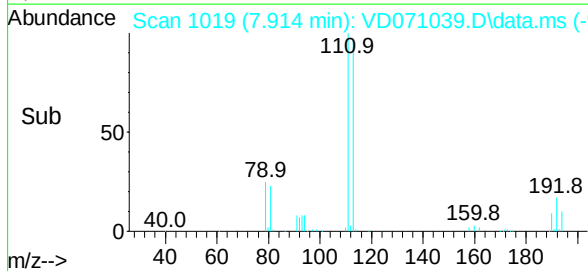
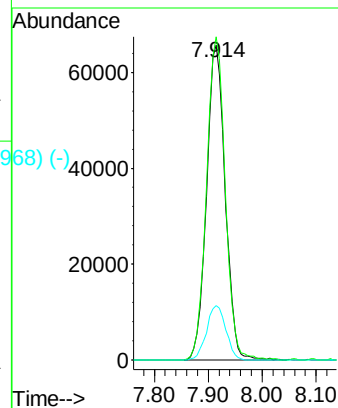
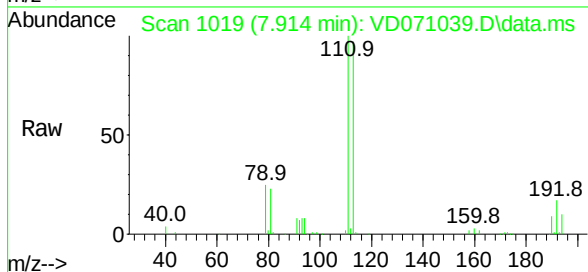
Abundance Scan 1019 (7.914 min): VD070947.D\data.ms (-10085-)



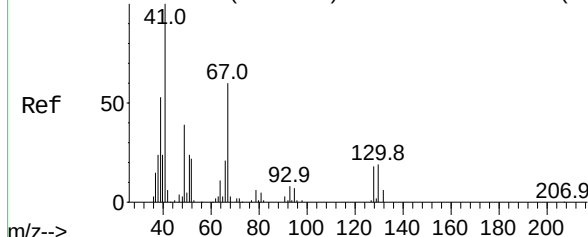
Dibromofluoromethane
Concen: 55.71 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD071039.D
Acq: 16 Nov 2021 12:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 156205
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 17.9 15.2 22.8

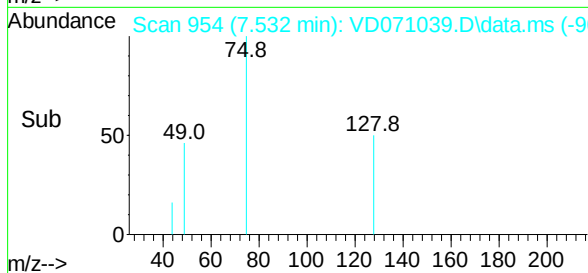
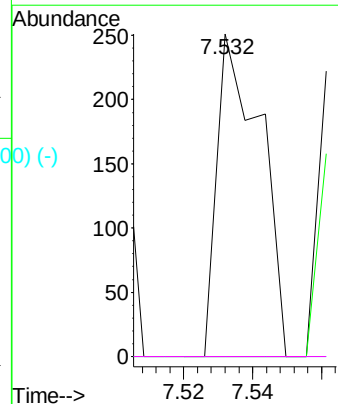
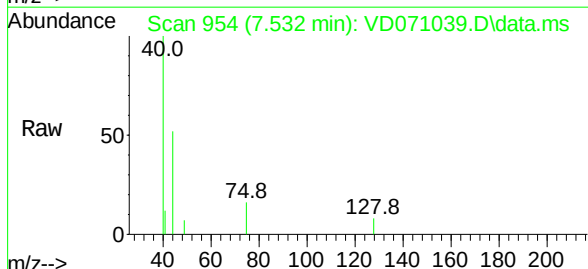


Abundance Scan 951 (7.514 min): VD070947.D\data.ms (-944741)

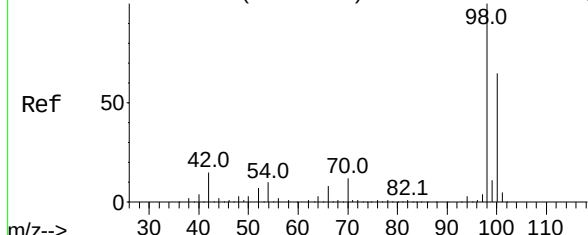


Methacrylonitrile
Concen: 3.64 ug/l
RT: 7.532 min Scan# 954
Delta R.T. 0.018 min
Lab File: VD071039.D
Acq: 16 Nov 2021 12:26

Tgt Ion: 41 Resp: 220
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#



Abundance Scan 1431 (10.338 min): VD070947.D\data.ms (-1451) (-)



Toluene-d8

Concen: 57.31 ug/l

RT: 10.338 min Scan#

Delta R.T. -0.000 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Instrument :

MSVOA_D

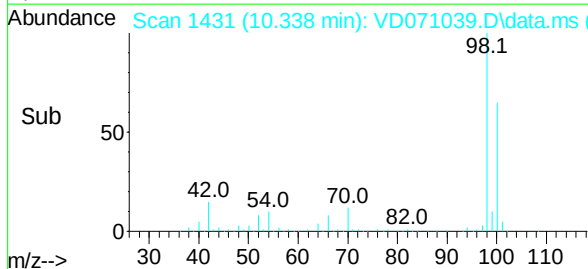
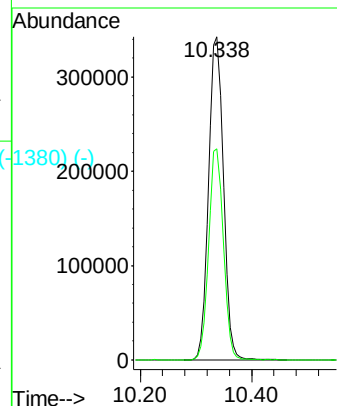
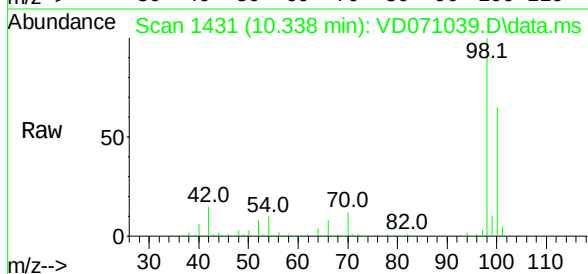
ClientSampleId :

Tgt Ion: 98 Resp: 629223

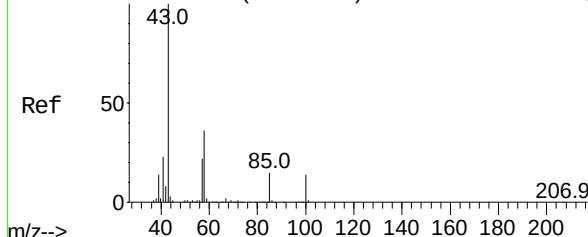
Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.6



Abundance Scan 1411 (10.220 min): VD070947.D\data.ms (-1451) (-)



4-Methyl-2-Pentanone

Concen: 1.38 ug/l

RT: 10.220 min Scan# 1411

Delta R.T. 0.000 min

Lab File: VD071039.D

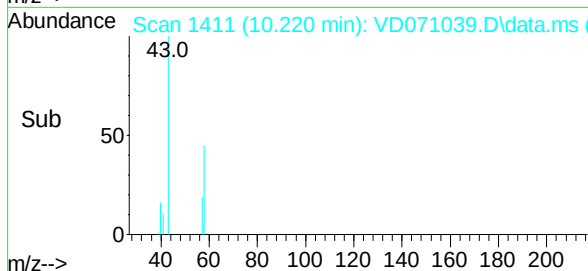
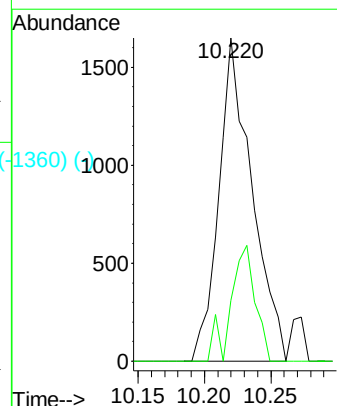
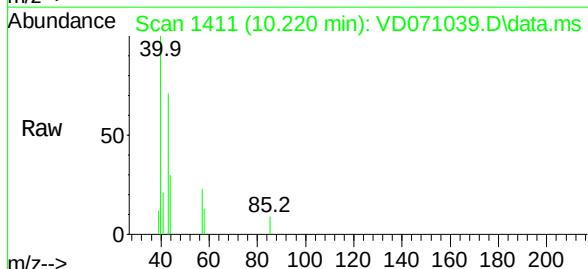
Acq: 16 Nov 2021 12:26

Tgt Ion: 43 Resp: 2859

Ion Ratio Lower Upper

43 100

58 26.5 33.1 49.7#



Abundance Scan 1540 (10.979 min): VD070947.D\data.ms (-1529) (-)

2-Hexanone

Concen: 16.30 ug/l

RT: 10.720 min Scan#

Delta R.T. -0.259 min

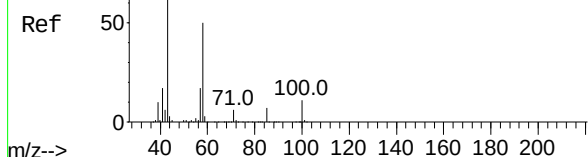
Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Instrument :

MSVOA_D

ClientSampleId :

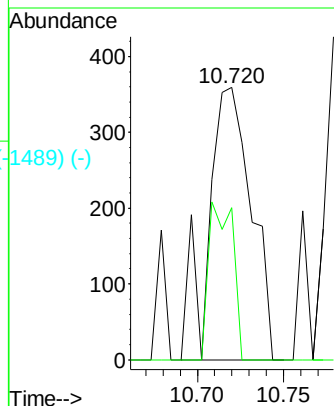
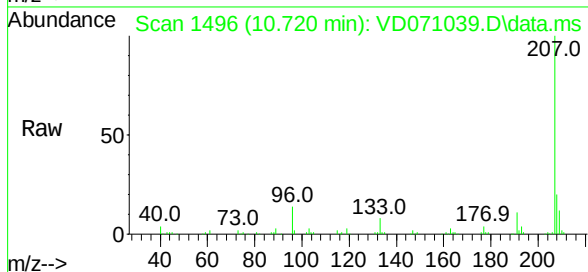


Tgt Ion: 43 Resp: 630

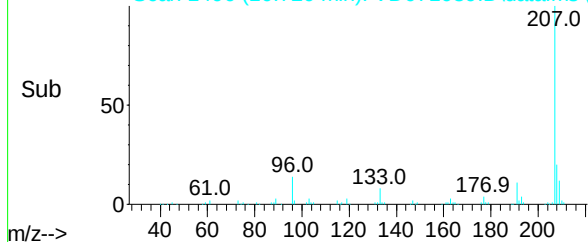
Ion Ratio Lower Upper

43 100

58 32.5 28.7 86.1



Abundance Scan 1496 (10.720 min): VD071039.D\data.ms (-1489) (-)



Abundance Scan 1819 (12.620 min): VD070947.D\data.ms (-1800) (-)

4-Bromofluorobenzene

Concen: 60.14 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.006 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

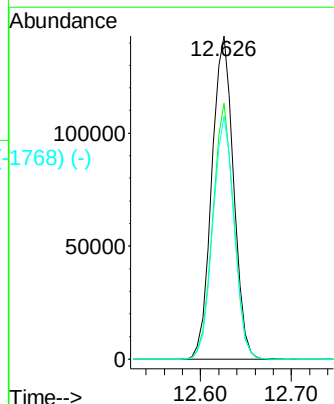
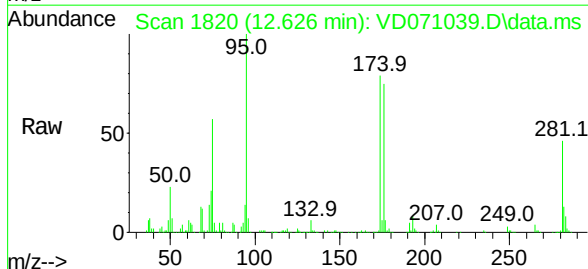
Tgt Ion: 95 Resp: 237767

Ion Ratio Lower Upper

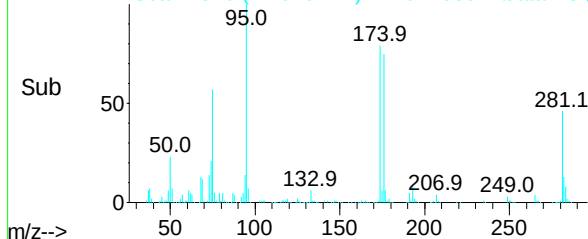
95 100

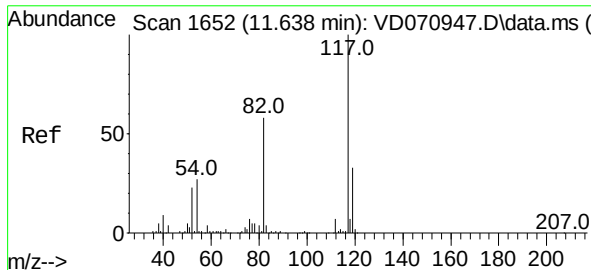
174 76.5 0.0 159.4

176 74.0 0.0 154.0



Abundance Scan 1820 (12.626 min): VD071039.D\data.ms (-1768) (-)

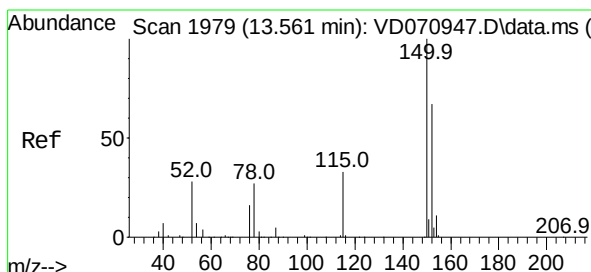
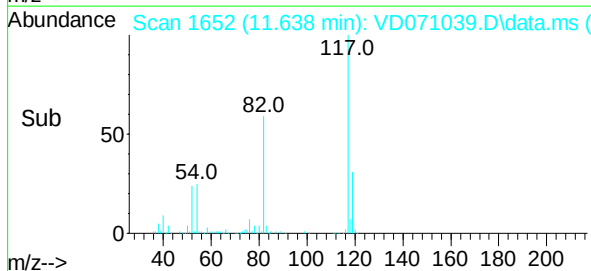
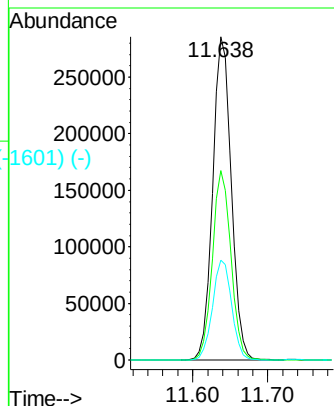
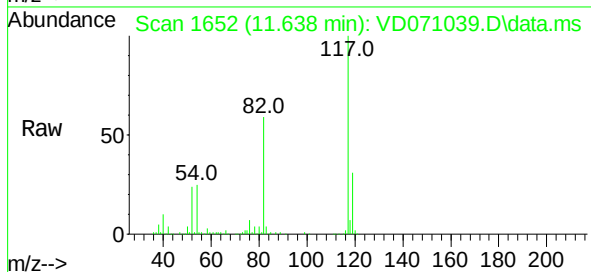




Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VD071039.D
Acq: 16 Nov 2021 12:26

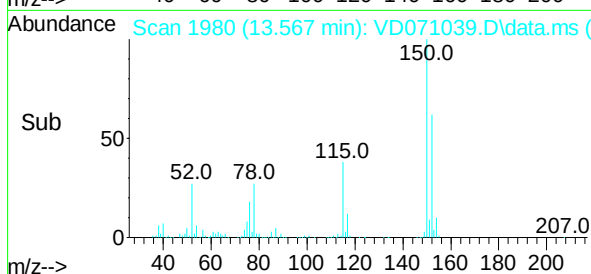
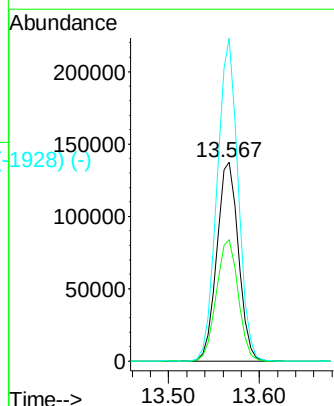
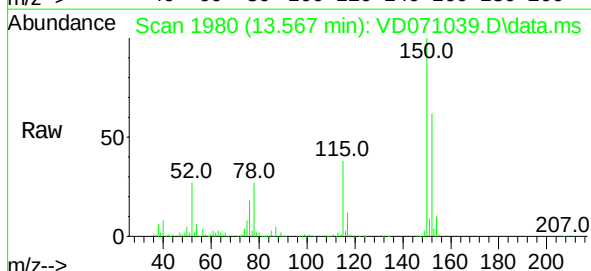
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	117	Resp:	492631
Ion	Ratio	Lower	Upper
117	100		
82	58.5	44.7	67.1
119	30.8	26.2	39.4



1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071039.D
Acq: 16 Nov 2021 12:26

Tgt Ion:	152	Resp:	227416
Ion	Ratio	Lower	Upper
152	100		
115	61.7	29.8	89.3
150	157.4	0.0	349.2



Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-1776) (-)

1,2,3-Trichloropropane

Concen: 69.50 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.159 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Ref

m/z-->

Abundance Scan 1820 (12.626 min): VD071039.D\data.ms

Raw

m/z-->

Abundance Scan 1820 (12.626 min): VD071039.D\data.ms (-1796) (-)

Sub

m/z-->

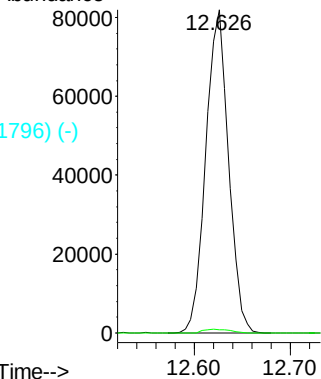
Tgt Ion: 75 Resp: 135004

Ion Ratio Lower Upper

75 100

77 1.3 158.4 475.3#

Abundance



Abundance Scan 1801 (12.514 min): VD070947.D\data.ms (-1781) (-)

trans-1,4-Dichloro-2-butene

Concen: 128.25 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.112 min

Lab File: VD071039.D

Acq: 16 Nov 2021 12:26

Ref

m/z-->

Abundance Scan 1820 (12.626 min): VD071039.D\data.ms

Raw

m/z-->

Abundance Scan 1820 (12.626 min): VD071039.D\data.ms (-1750) (-)

Sub

m/z-->

Tgt Ion: 75 Resp: 135004

Ion Ratio Lower Upper

75 100

53 0.0 62.6 94.0#

89 0.8 34.5 51.7#

Abundance

