

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111621\
 Data File : VD071043.D
 Acq On : 16 Nov 2021 14:43
 Operator : VA/SY
 Sample : M4700-03RE
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 17 03:24:00 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)

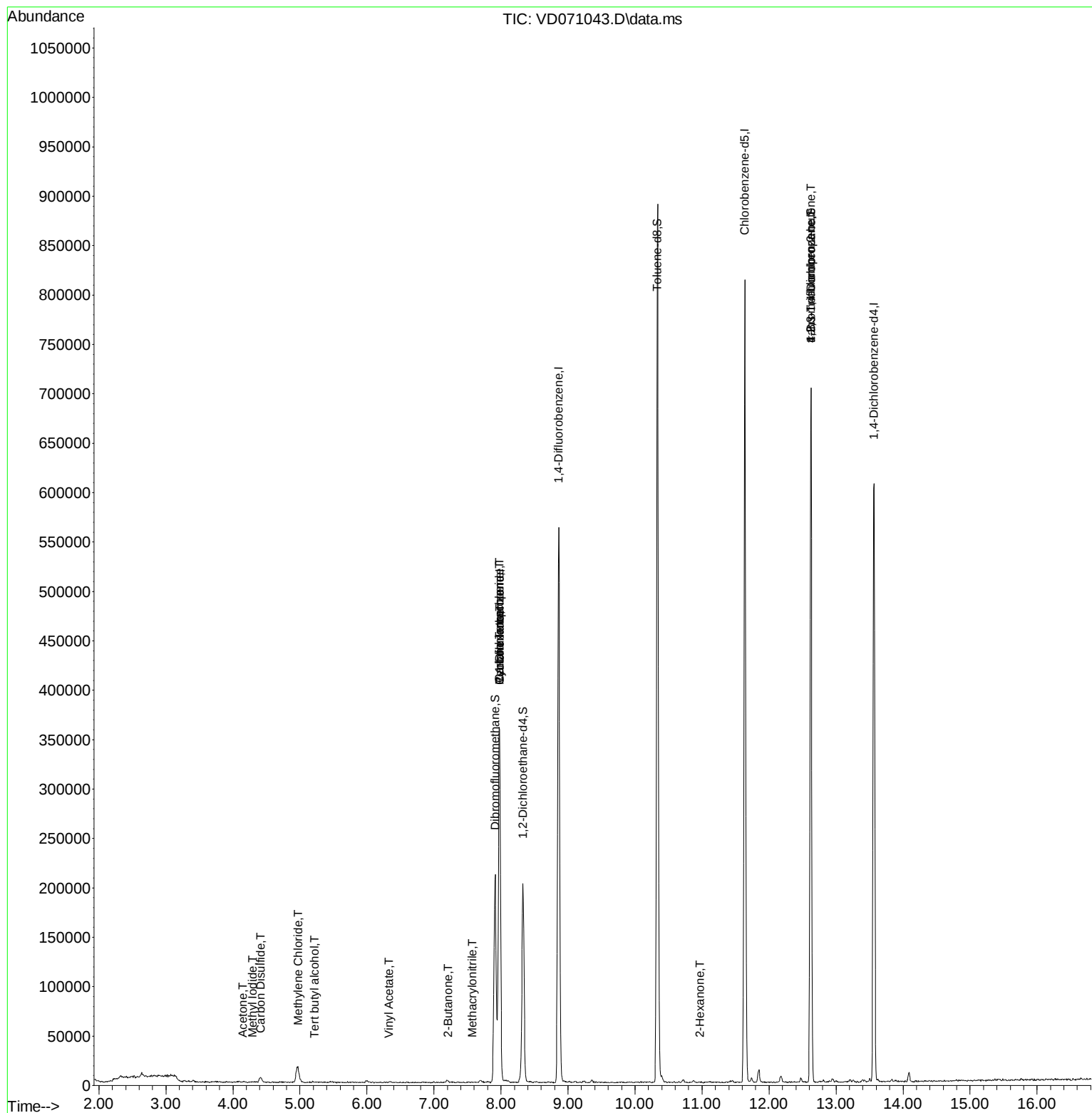
Internal Standards						
1) Pentafluorobenzene	7.979	168	255977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	462312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	429817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	150448	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	153502	56.32	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	112.64%	
35) Dibromofluoromethane	7.914	113	146933	56.32	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	112.64%	
50) Toluene-d8	10.332	98	576423	56.42	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	112.84%	
62) 4-Bromofluorobenzene	12.626	95	189674	51.56	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	103.12%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	54	6.04	ug/l #	40
11) Tert butyl alcohol	5.215	59	415	2.08	ug/l #	71
16) Acetone	4.150	43	1792	22.04	ug/l #	86
17) Carbon Disulfide	4.415	76	10048	1.28	ug/l	97
20) Methylene Chloride	4.973	84	11022	3.16	ug/l	92
23) Vinyl Acetate	6.326	43	213	21.02	ug/l #	72
25) 2-Butanone	7.214	43	613	20.96	ug/l #	45
31) Cyclohexane	7.979	56	8062	1.44	ug/l #	45
36) 1,1-Dichloropropene	7.973	75	23809	5.77	ug/l #	49
38) Carbon Tetrachloride	7.973	117	27789	7.31	ug/l #	17
41) Methacrylonitrile	7.573	41	124	3.59	ug/l #	38
59) 2-Hexanone	10.973	43	87	15.99	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	106296	82.71	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	106296	151.99	ug/l #	18

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111621\
Data File : VD071043.D
Acq On : 16 Nov 2021 14:43
Operator : VA/SY
Sample : M4700-03RE
Misc : 5.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 17 03:24:00 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



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: VD071043.D

Acq: 16 Nov 2021 14:43

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:168 Resp: 255977

Ion Ratio Lower Upper

168 100

99 61.9 46.6 69.8

Abundance Scan 1030 (7.979 min): VD071043.D\data.ms

Ref 50

Raw 50

Sub 50

m/z-->

Abundance Scan 1030 (7.979 min): VD071043.D\data.ms (-979) (-)

Ref 50

Raw 50

Sub 50

m/z-->

Abundance

100000

80000

60000

40000

20000

0

Time-->

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

Methyl Iodide

Concen: 6.04 ug/l

RT: 4.291 min Scan# 403

Delta R.T. -0.006 min

Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

Tgt Ion:142 Resp: 54

Ion Ratio Lower Upper

142 100

127 0.0 35.0 52.4#

141 0.0 12.0 18.0#

Abundance Scan 403 (4.291 min): VD071043.D\data.ms

Ref 50

Raw 50

Sub 50

m/z-->

Abundance

150

100

50

0

Time-->

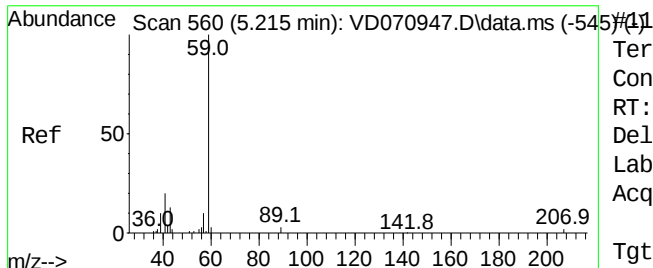
Abundance Scan 403 (4.291 min): VD071043.D\data.ms (-353) (-)

Ref 50

Raw 50

Sub 50

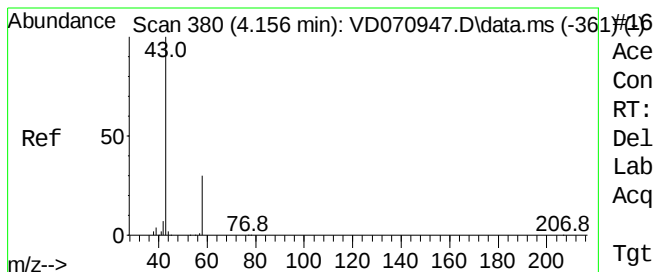
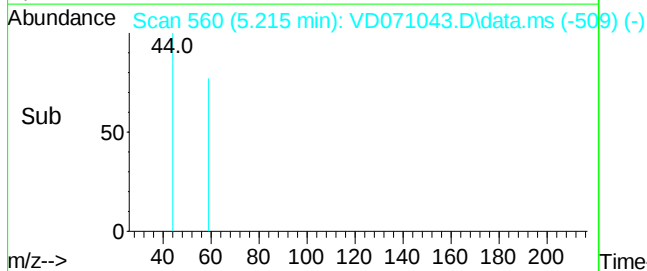
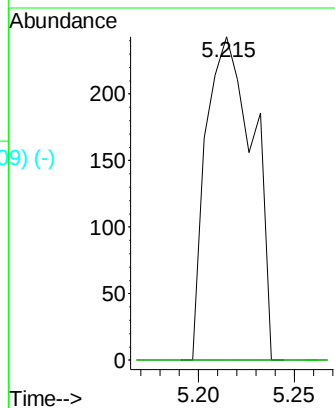
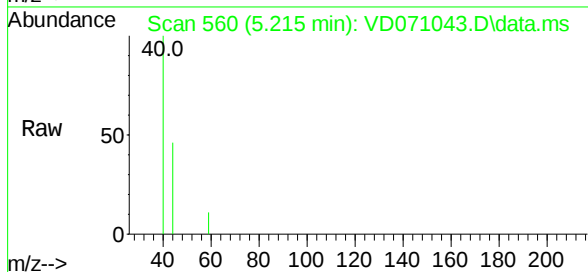
m/z-->



Tert butyl alcohol
 Concen: 2.08 ug/l
 RT: 5.215 min Scan# 415
 Delta R.T. -0.000 min
 Lab File: VD071043.D
 Acq: 16 Nov 2021 14:43

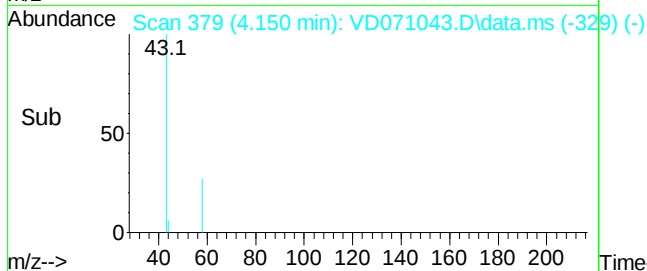
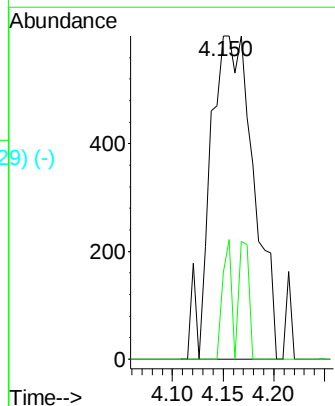
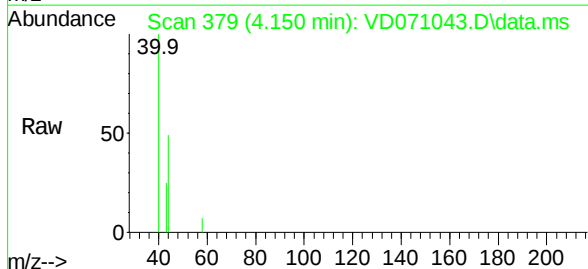
Instrument : MSVOA_D
 ClientSampleId :

Tgt Ion: 59 Resp: 415
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

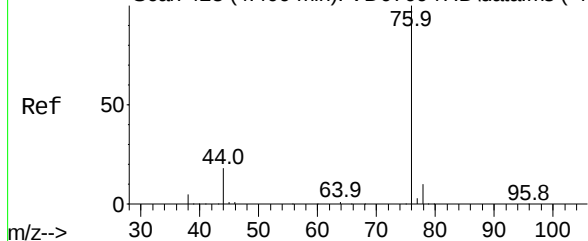


Acetone
 Concen: 22.04 ug/l
 RT: 4.150 min Scan# 379
 Delta R.T. -0.006 min
 Lab File: VD071043.D
 Acq: 16 Nov 2021 14:43

Tgt Ion: 43 Resp: 1792
 Ion Ratio Lower Upper
 43 100
 58 26.8 27.8 41.8#



Abundance Scan 423 (4.409 min): VD070947.D\data.ms (-409)#17



Carbon Disulfide

Concen: 1.28 ug/l

RT: 4.415 min Scan# 4

Delta R.T. 0.006 min

Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

Instrument :

MSVOA_D

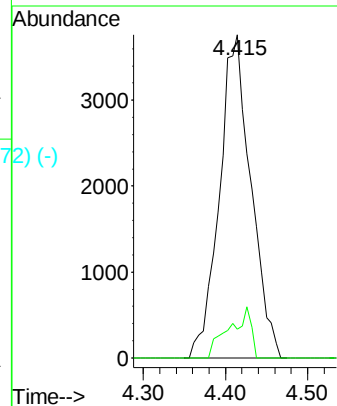
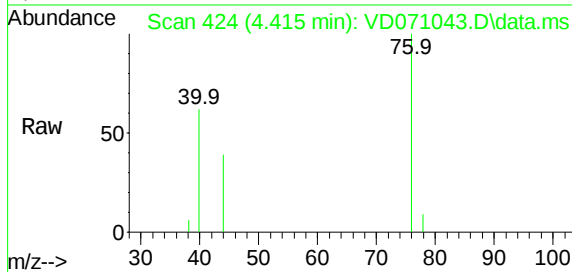
ClientSampleId :

Tgt Ion: 76 Resp: 10048

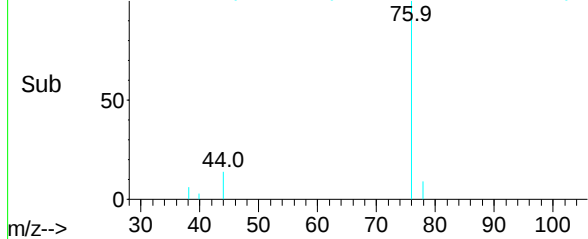
Ion Ratio Lower Upper

76 100

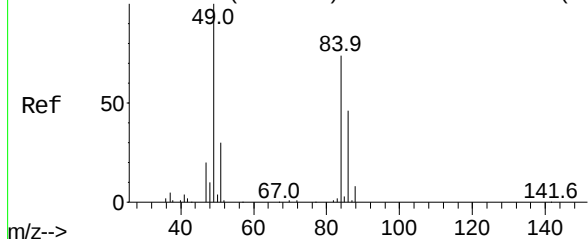
78 8.9 7.8 11.8



Abundance Scan 424 (4.415 min): VD071043.D\data.ms (-372) (-)



Abundance Scan 517 (4.962 min): VD070947.D\data.ms (-503)#20



Methylene Chloride

Concen: 3.16 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.011 min

Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

Tgt Ion: 84 Resp: 11022

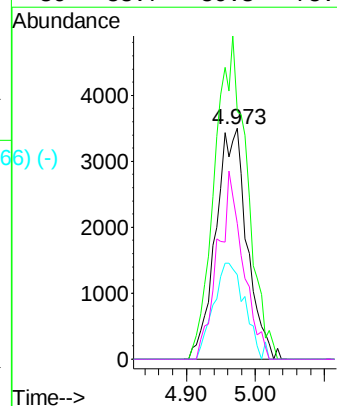
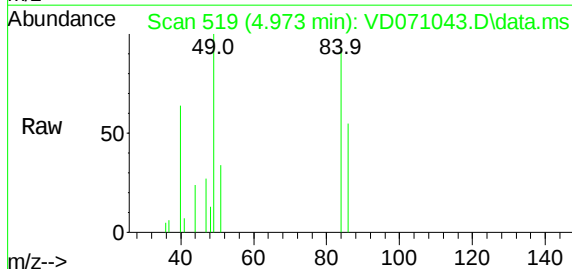
Ion Ratio Lower Upper

84 100

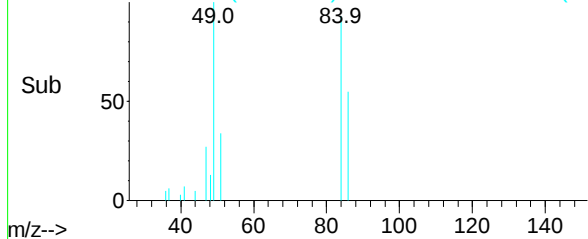
49 107.3 95.8 143.6

51 36.7 30.9 46.3

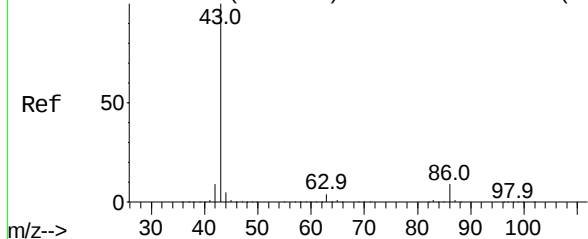
86 58.7 50.3 75.5



Abundance Scan 519 (4.973 min): VD071043.D\data.ms (-466) (-)



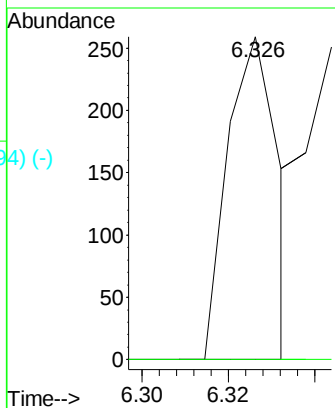
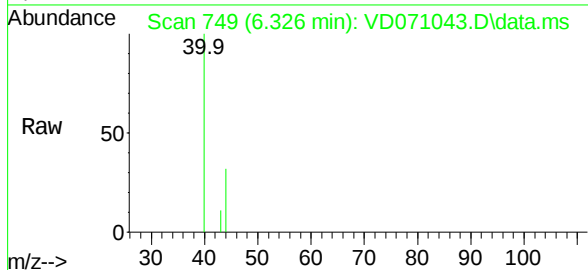
Abundance Scan 745 (6.303 min): VD070947.D\data.ms (-728) #23



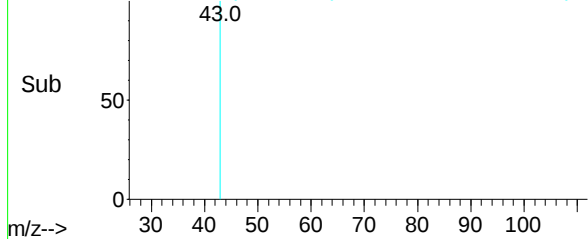
Vinyl Acetate
Concen: 21.02 ug/l
RT: 6.326 min Scan#
Delta R.T. 0.023 min
Lab File: VD071043.D
Acq: 16 Nov 2021 14:43

Instrument :
MSVOA_D
ClientSampleId :

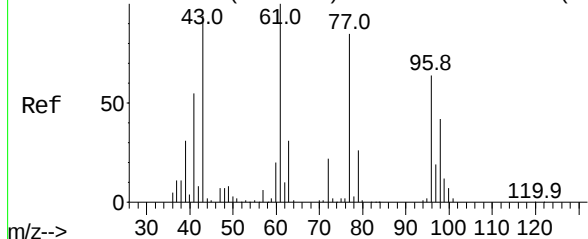
Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



Abundance Scan 749 (6.326 min): VD071043.D\data.ms (-694) (-)

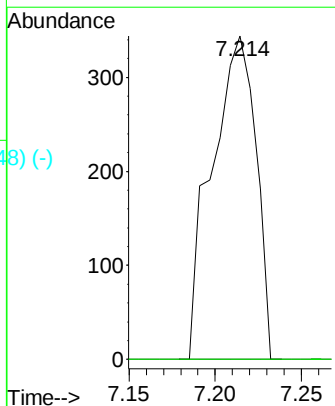
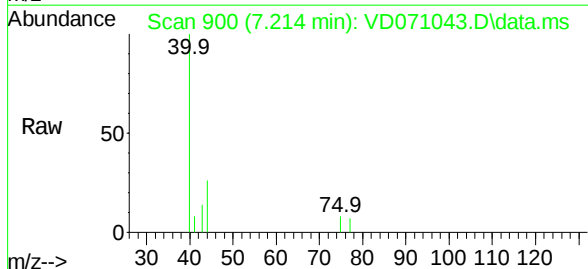


Abundance Scan 899 (7.209 min): VD070947.D\data.ms (-888) #25

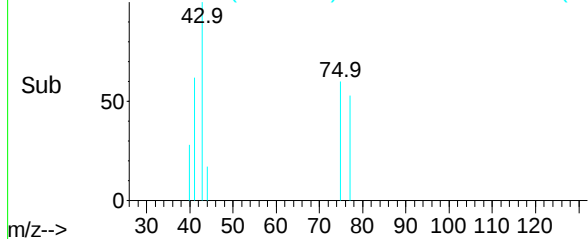


2-Butanone
Concen: 20.96 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD071043.D
Acq: 16 Nov 2021 14:43

Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



Abundance Scan 900 (7.214 min): VD071043.D\data.ms (-848) (-)



Abundance Scan 1031 (7.985 min): VD070947.D\data.ms (-1031-)

Cyclohexane

Concen: 1.44 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

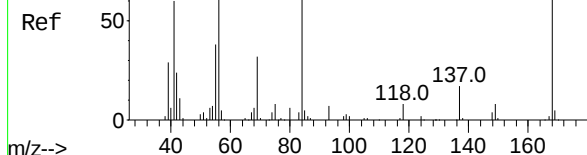
Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

Instrument :

MSVOA_D

ClientSampleId :



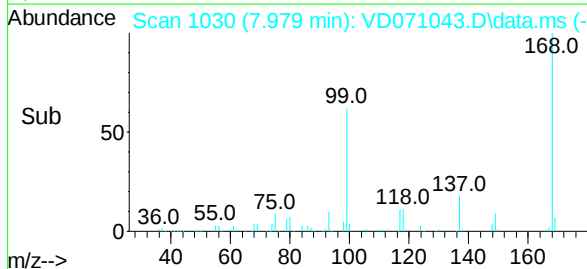
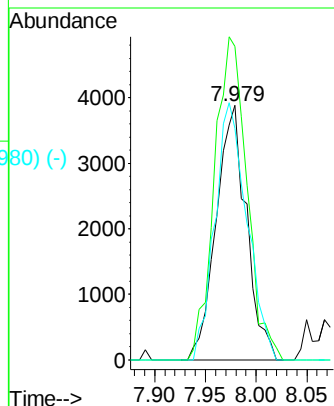
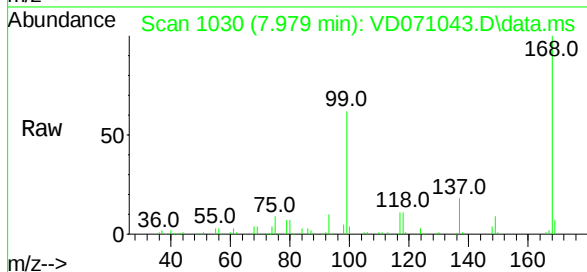
Tgt Ion: 56 Resp: 8062

Ion Ratio Lower Upper

56 100

69 123.3 25.9 38.9#

84 91.1 64.3 96.5



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

1,2-Dichloroethane-d4

Concen: 56.32 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071043.D

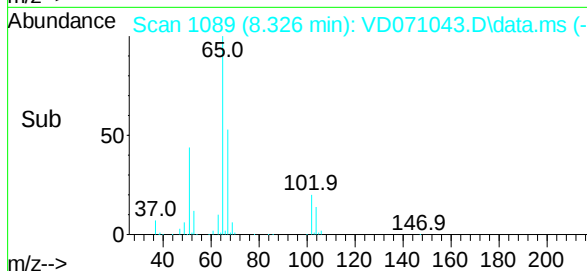
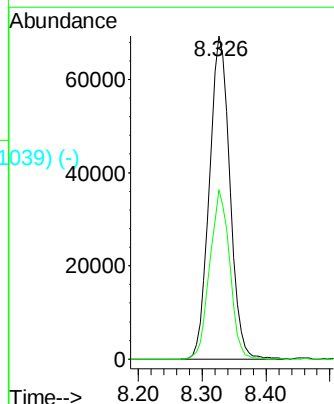
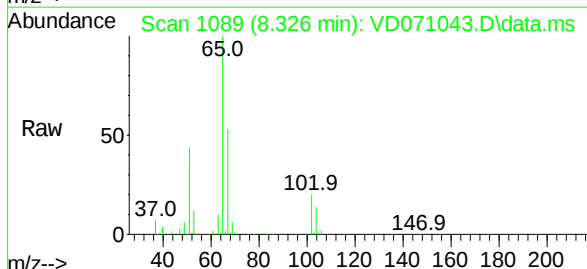
Acq: 16 Nov 2021 14:43

Tgt Ion: 65 Resp: 153502

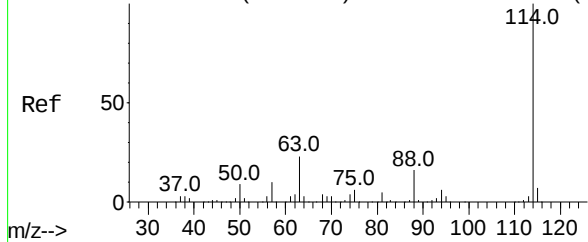
Ion Ratio Lower Upper

65 100

67 51.0 0.0 112.2



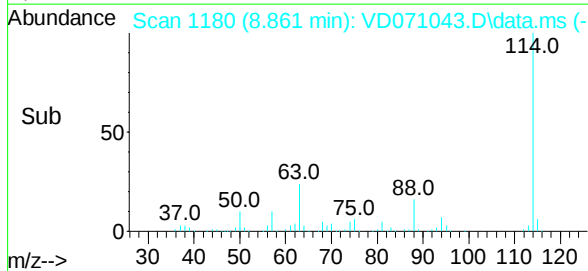
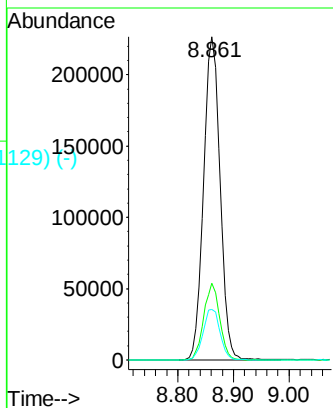
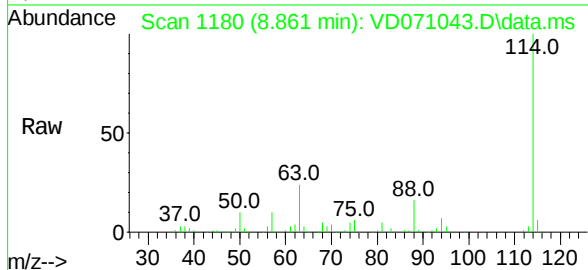
Abundance Scan 1180 (8.861 min): VD070947.D\data.ms (-11704-)



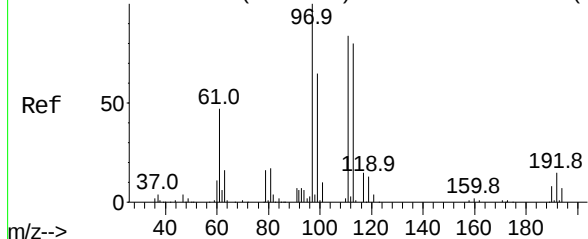
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071043.D
Acq: 16 Nov 2021 14:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	41.8
88	15.6	0.0	32.8

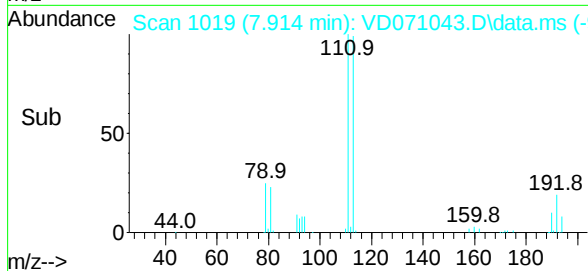
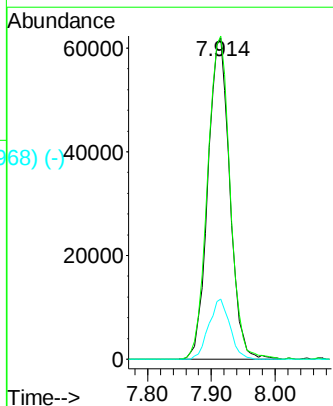
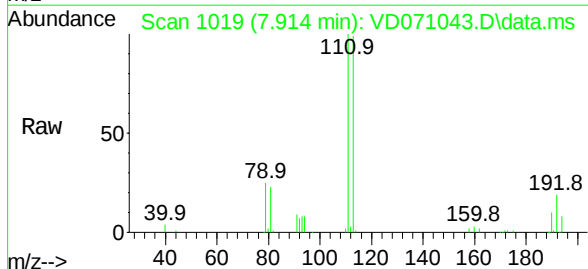


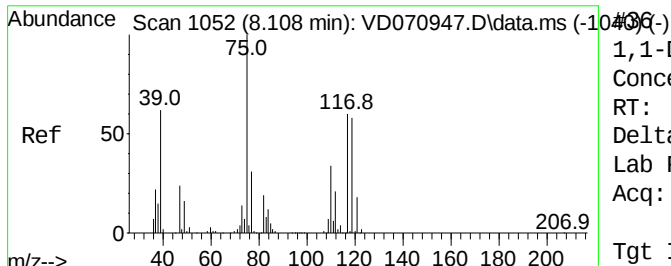
Abundance Scan 1019 (7.914 min): VD070947.D\data.ms (-10625-)



Dibromofluoromethane
Concen: 56.32 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD071043.D
Acq: 16 Nov 2021 14:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	17.9	15.2	22.8

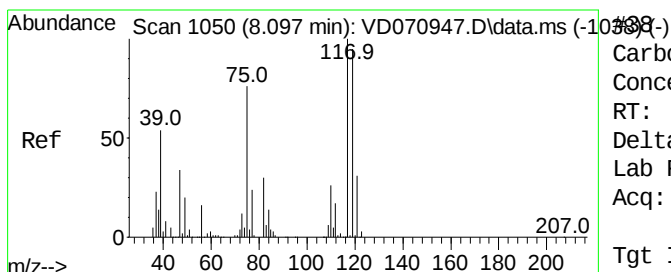
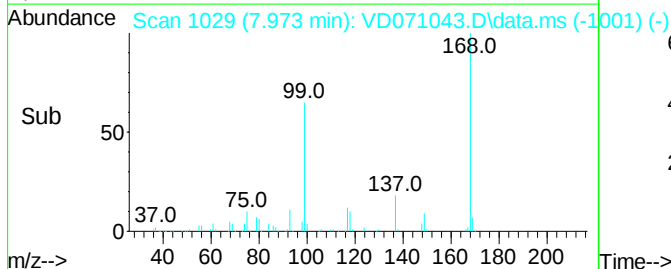
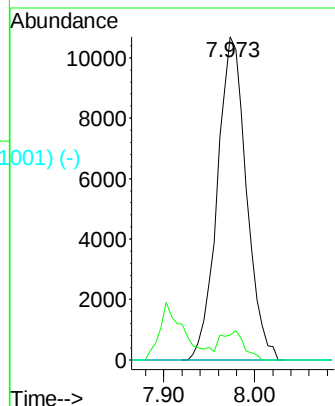
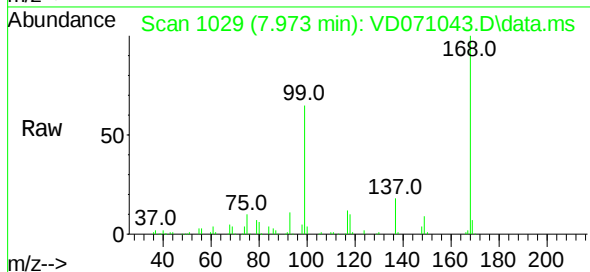




1,1-Dichloropropene
Concen: 5.77 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071043.D
Acq: 16 Nov 2021 14:43

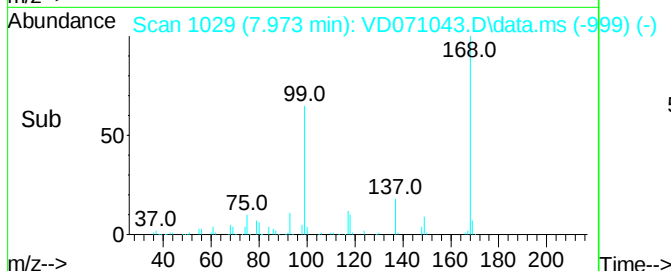
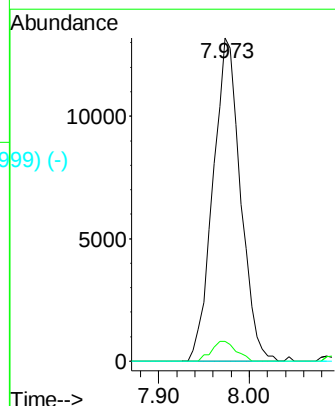
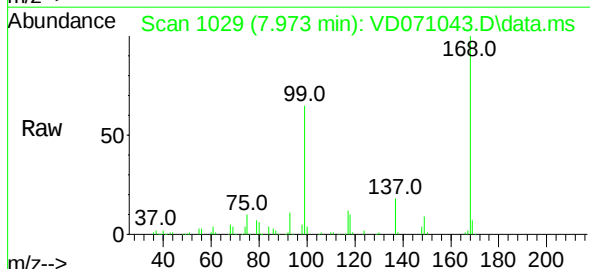
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	75	Resp:	23809
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.4#
77	0.0	24.8	37.2#



Carbon Tetrachloride
Concen: 7.31 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071043.D
Acq: 16 Nov 2021 14:43

Tgt Ion:	117	Resp:	27789
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	23.6	35.4#



Abundance Scan 951 (7.514 min): VD070947.D\data.ms (-944) #41

Methacrylonitrile

Concen: 3.59 ug/l

RT: 7.573 min Scan# 124

Delta R.T. 0.059 min MSVOA_D

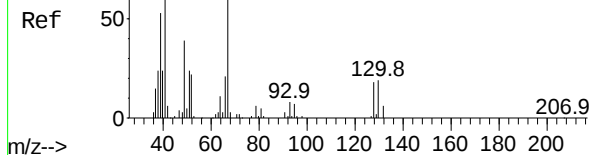
Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 41 Resp: 124

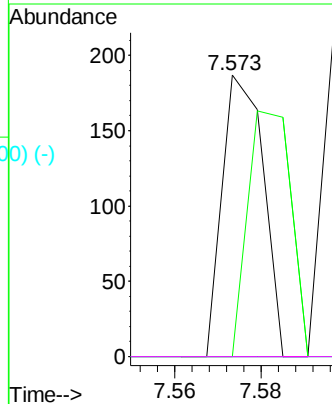
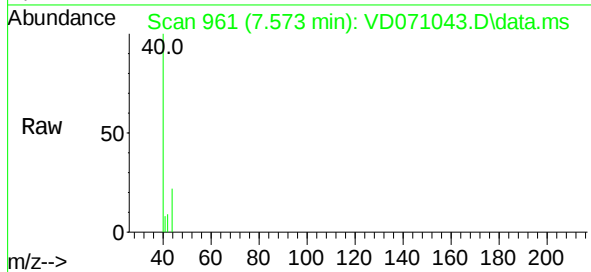
Ion Ratio Lower Upper

41 100

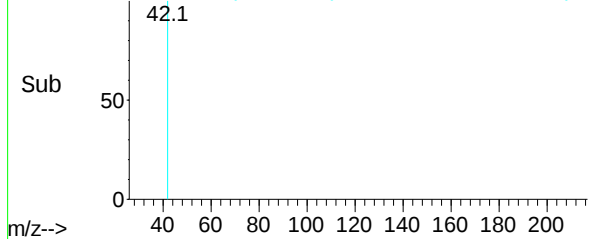
39 91.9 60.2 90.4#

67 0.0 74.8 112.2#

52 0.0 28.8 43.2#



Abundance Scan 961 (7.573 min): VD071043.D\data.ms (-900) (-)



Abundance Scan 1431 (10.338 min): VD070947.D\data.ms (-1450) (-)

Toluene-d8

Concen: 56.42 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071043.D

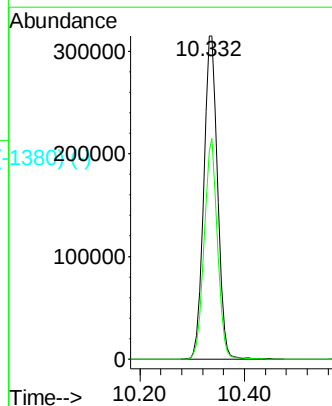
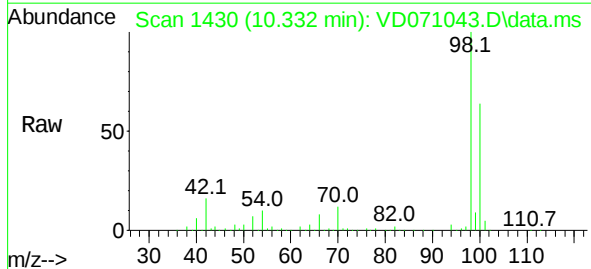
Acq: 16 Nov 2021 14:43

Tgt Ion: 98 Resp: 576423

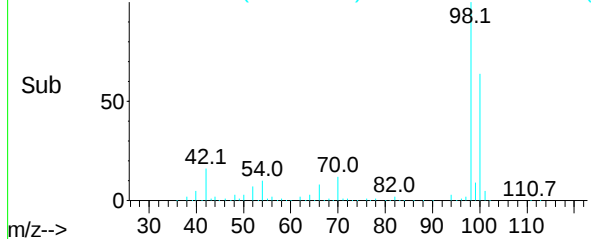
Ion Ratio Lower Upper

98 100

100 65.7 51.8 77.6



Abundance Scan 1430 (10.332 min): VD071043.D\data.ms (-1380) (-)



Abundance Scan 1540 (10.979 min): VD070947.D\data.ms (-1559) (-)

2-Hexanone

Concen: 15.99 ug/l

RT: 10.973 min Scan# 1539

Delta R.T. -0.006 min

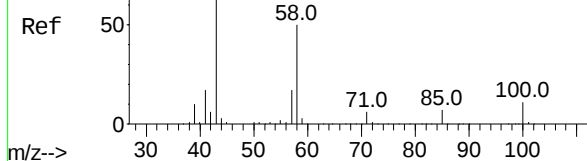
Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

Instrument :

MSVOA_D

ClientSampleId :

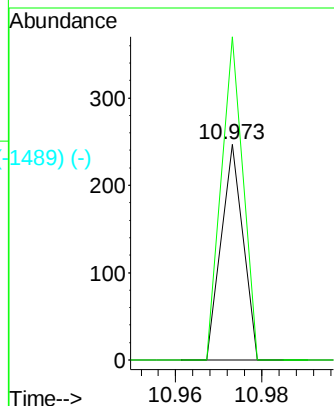
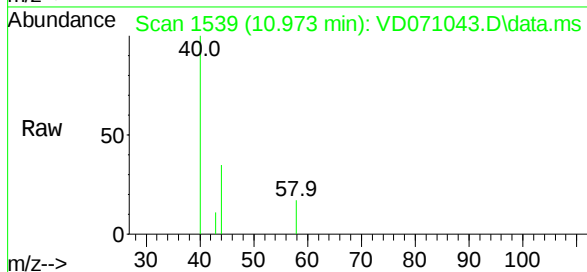


Tgt Ion: 43 Resp: 87

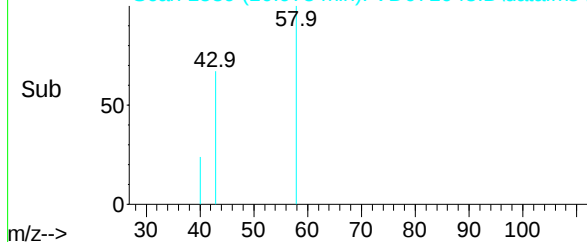
Ion Ratio Lower Upper

43 100

58 150.6 28.7 86.1#



Abundance Scan 1539 (10.973 min): VD071043.D\data.ms (-1489) (-)



Abundance Scan 1819 (12.620 min): VD070947.D\data.ms (-1760) (-)

4-Bromofluorobenzene

Concen: 51.56 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.006 min

Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

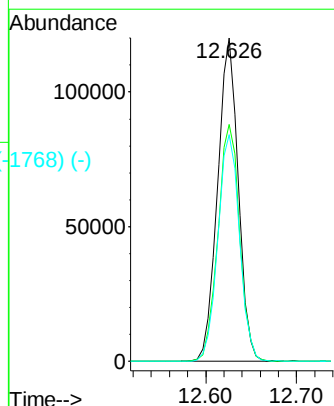
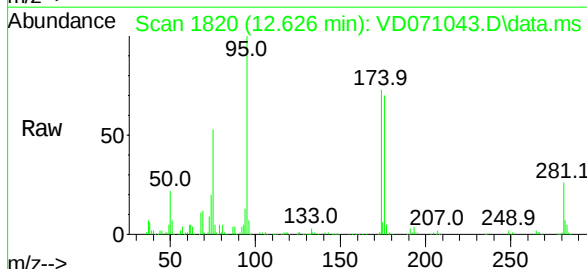
Tgt Ion: 95 Resp: 189674

Ion Ratio Lower Upper

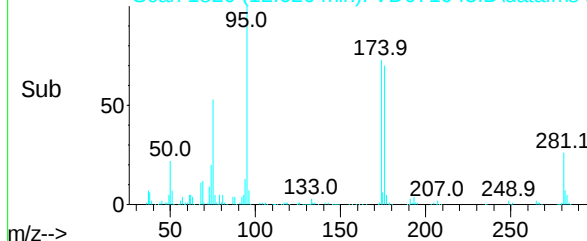
95 100

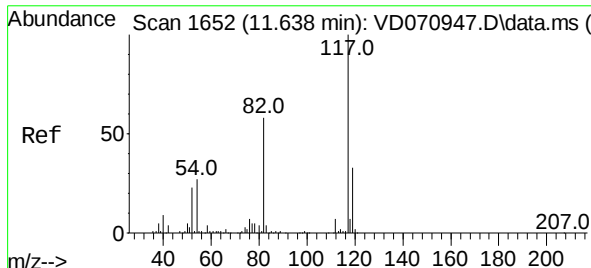
174 76.6 0.0 159.4

176 73.1 0.0 154.0



Abundance Scan 1820 (12.626 min): VD071043.D\data.ms (-1768) (-)

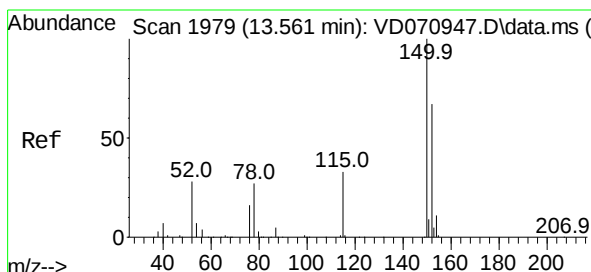
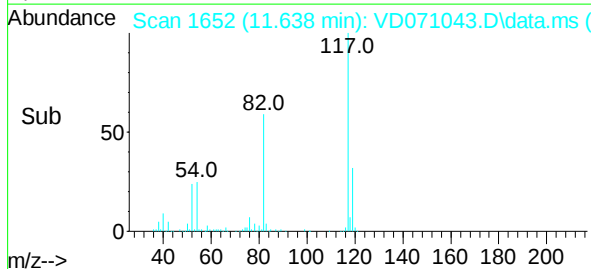
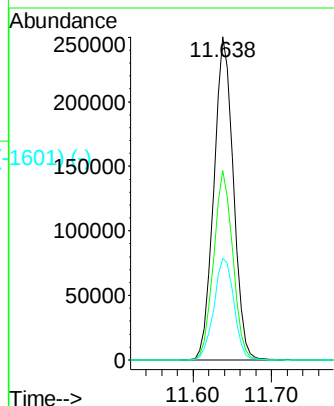
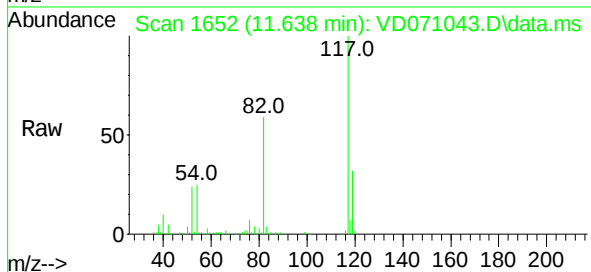




Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VD071043.D
Acq: 16 Nov 2021 14:43

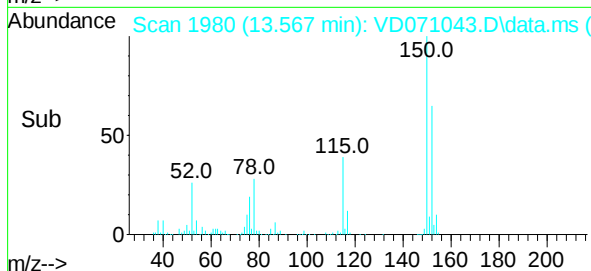
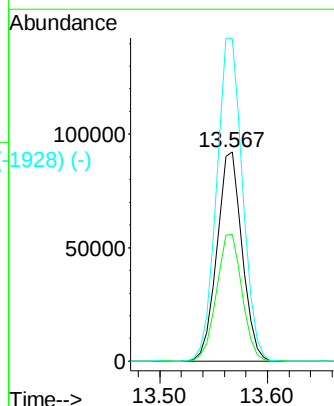
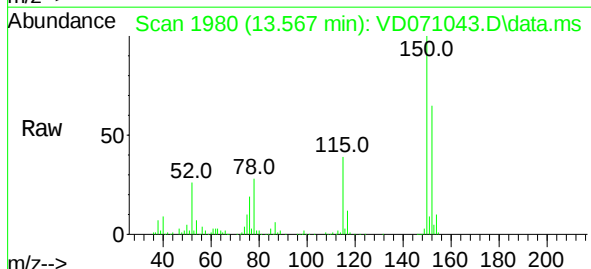
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	117	Resp:	429817
Ion	Ratio	Lower	Upper
117	100		
82	58.7	44.7	67.1
119	31.5	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: VD071043.D
Acq: 16 Nov 2021 14:43

Tgt Ion:	152	Resp:	150448
Ion	Ratio	Lower	Upper
152	100		
115	61.5	29.8	89.3
150	159.2	0.0	349.2



Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-1775)

1,2,3-Trichloropropane

Concen: 82.71 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.159 min

Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

Instrument :

MSVOA_D

ClientSampleId :

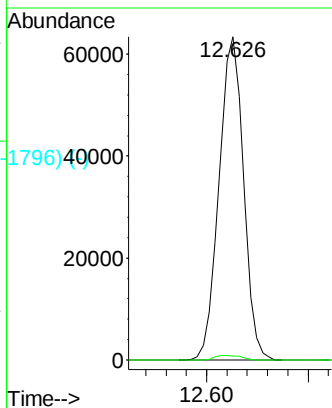
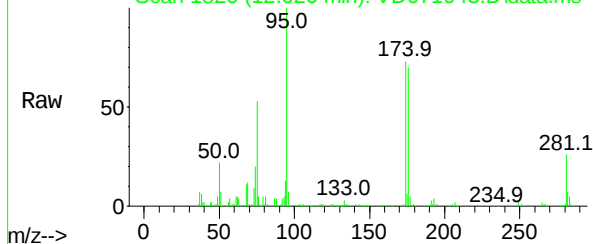
Tgt Ion: 75 Resp: 106296

Ion Ratio Lower Upper

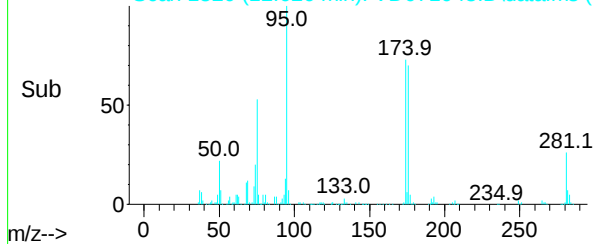
75 100

77 1.5 158.4 475.3#

Abundance Scan 1820 (12.626 min): VD071043.D\data.ms



Abundance Scan 1820 (12.626 min): VD071043.D\data.ms (-1796)



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

trans-1,4-Dichloro-2-butene

Concen: 151.99 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.112 min

Lab File: VD071043.D

Acq: 16 Nov 2021 14:43

Tgt Ion: 75 Resp: 106296

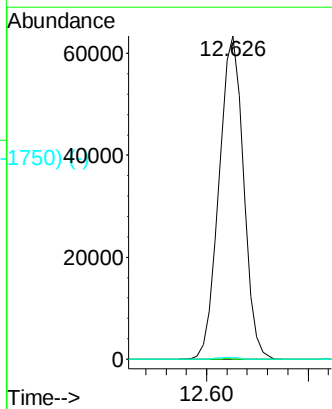
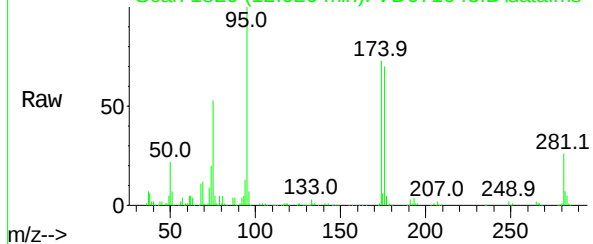
Ion Ratio Lower Upper

75 100

53 0.1 62.6 94.0#

89 0.5 34.5 51.7#

Abundance Scan 1820 (12.626 min): VD071043.D\data.ms



Abundance Scan 1820 (12.626 min): VD071043.D\data.ms (-1750)

