

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012523\
 Data File : VX033889.D
 Acq On : 25 Jan 2023 15:48
 Operator : JC/MD
 Sample : 01308-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 26 06:01:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

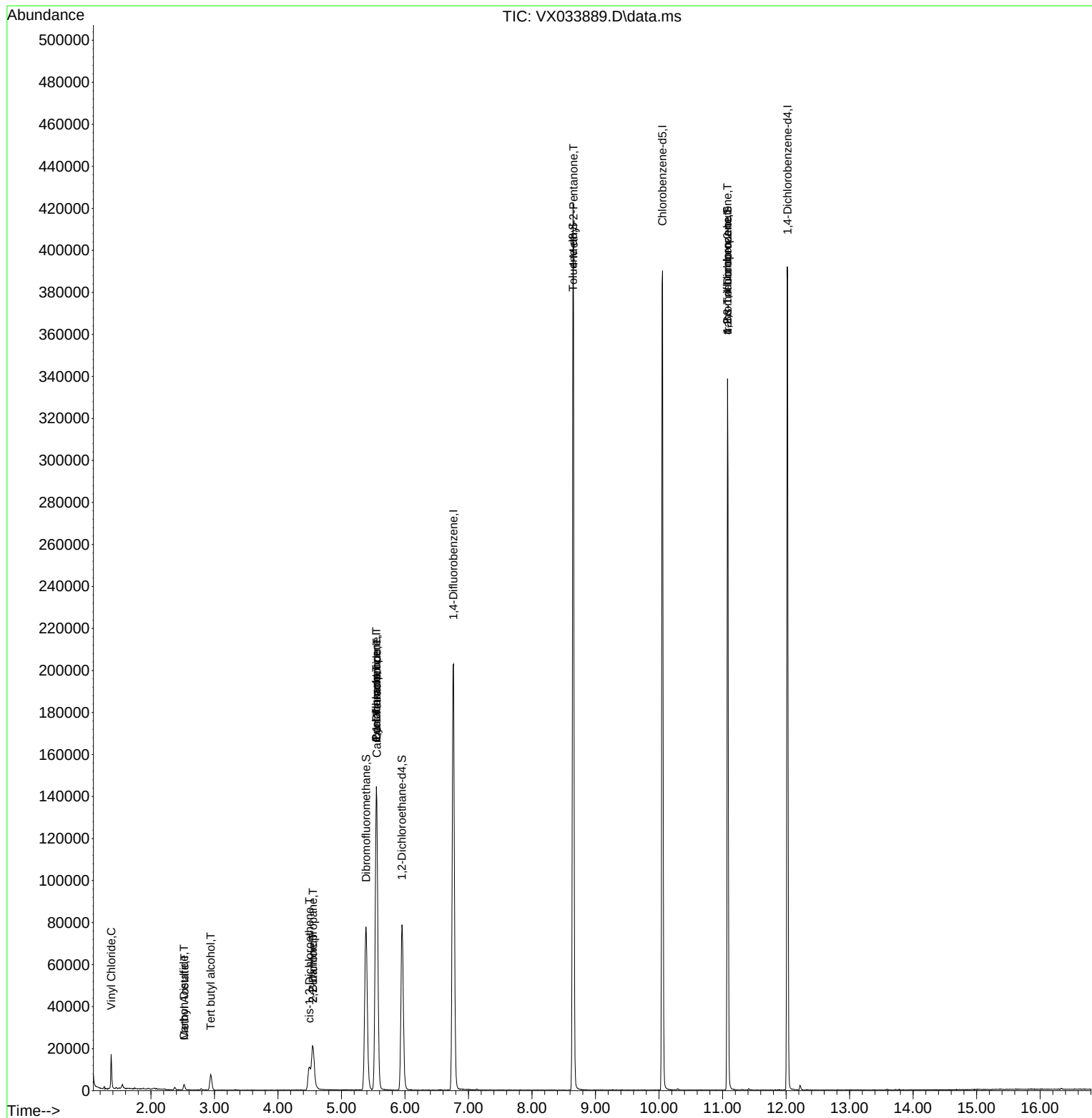
Internal Standards						
1) Pentafluorobenzene	5.550	168	158222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74572	44.763	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.520%
35) Dibromofluoromethane	5.385	113	68825	48.594	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.180%
50) Toluene-d8	8.647	98	256843	49.771	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.540%
62) 4-Bromofluorobenzene	11.079	95	87183	45.503	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.000%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	10251	7.648	ug/l	99
11) Tert butyl alcohol	2.941	59	4566	15.777	ug/l #	86
16) Acetone	2.374	43	1509	Below Cal		94
17) Carbon Disulfide	2.520	76	342	1.923	ug/l #	76
18) Methyl Acetate	2.526	43	783	0.337	ug/l #	53
20) Methylene Chloride	2.788	84	309	Below Cal	#	84
25) 2-Butanone	4.550	43	1407	1.293	ug/l #	76
26) 2,2-Dichloropropane	4.550	77	1715	0.896	ug/l #	52
27) cis-1,2-Dichloroethene	4.495	96	7709	4.455	ug/l	94
31) Cyclohexane	5.550	56	2268	0.925	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9587	4.638	ug/l #	48
37) Ethyl Acetate	4.550	43	1407	Below Cal	#	68
38) Carbon Tetrachloride	5.556	117	13248	6.188	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1091	0.544	ug/l #	1
73) Isopropylbenzene	10.957	105	22	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	40131	23.410	ug/l #	34
79) 2-Chlorotoluene	11.372	91	22	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40131	72.756	ug/l #	8
82) 4-Chlorotoluene	11.457	91	96	Below Cal	#	43

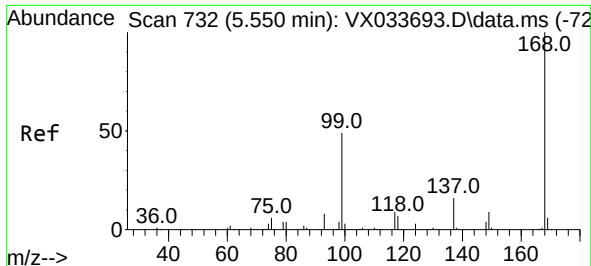
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012523\
Data File : VX033889.D
Acq On : 25 Jan 2023 15:48
Operator : JC/MD
Sample : 01308-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 26 06:01:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

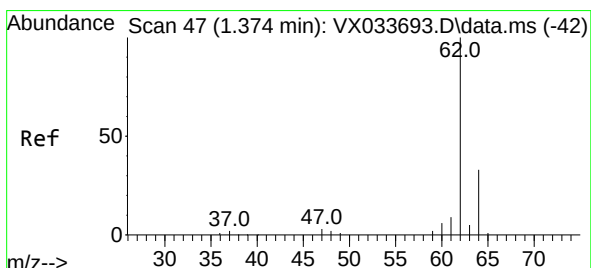
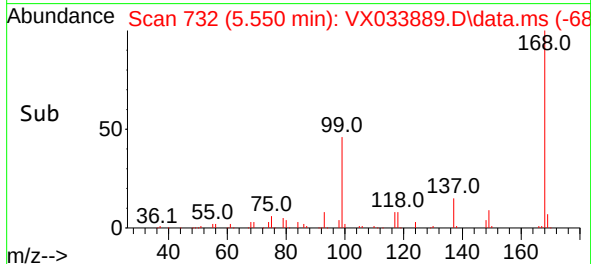
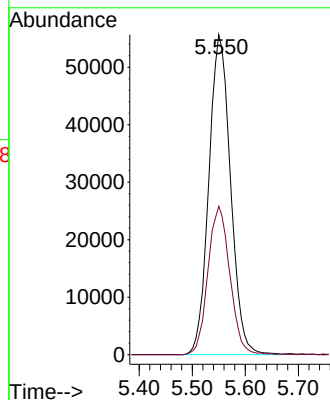
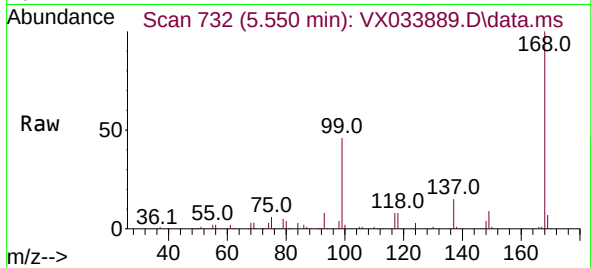




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

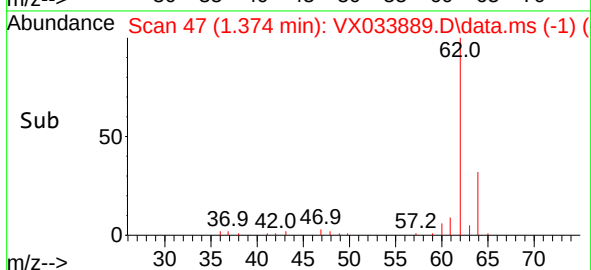
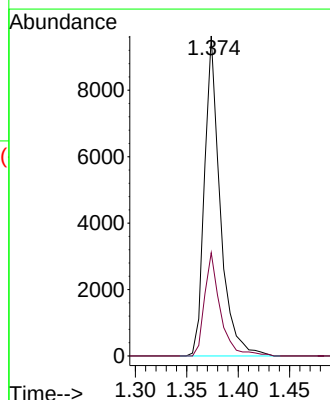
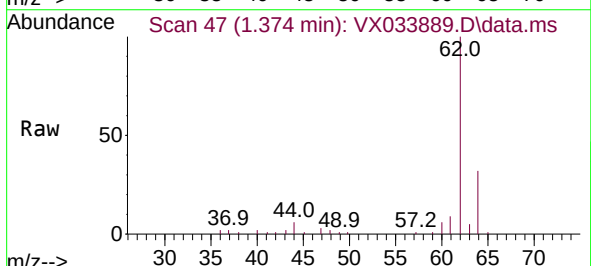
Instrument :
MSVOA_X
ClientSampleId :

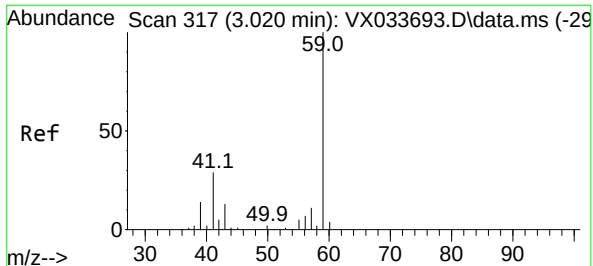
Tgt Ion:168 Resp: 158222
Ion Ratio Lower Upper
168 100
99 46.4 39.6 59.4



#4
Vinyl Chloride
Concen: 7.648 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

Tgt Ion: 62 Resp: 10251
Ion Ratio Lower Upper
62 100
64 32.2 26.2 39.4





#11

Tert butyl alcohol

Concen: 15.777 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.079 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

Instrument :

MSVOA_X

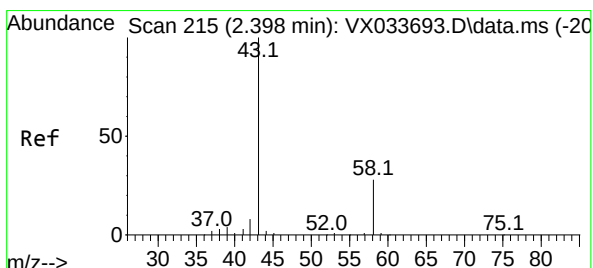
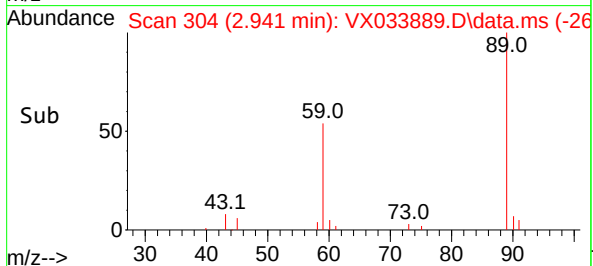
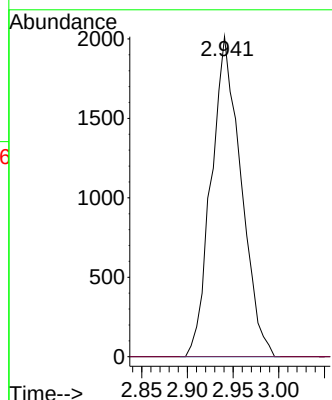
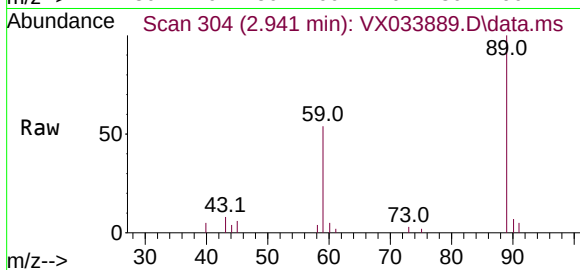
ClientSampleId :

Tgt Ion: 59 Resp: 4566

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: Below Cal

RT: 2.374 min Scan# 211

Delta R.T. -0.024 min

Lab File: VX033889.D

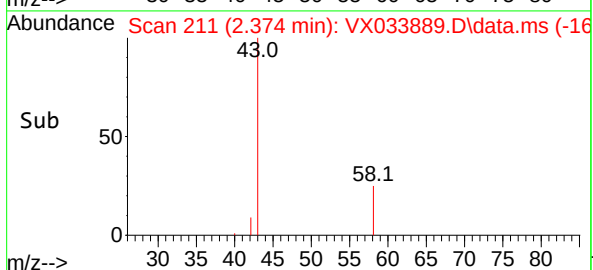
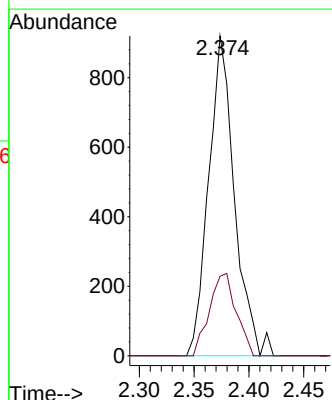
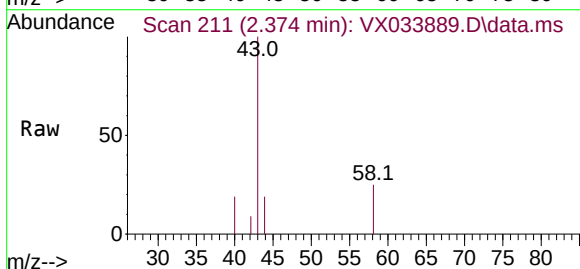
Acq: 25 Jan 2023 15:48

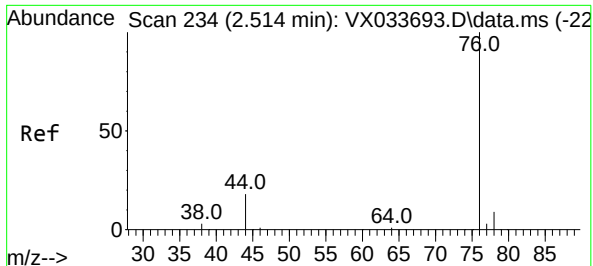
Tgt Ion: 43 Resp: 1509

Ion Ratio Lower Upper

43 100

58 24.9 22.6 33.8





#17

Carbon Disulfide

Concen: 1.923 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

Instrument :

MSVOA_X

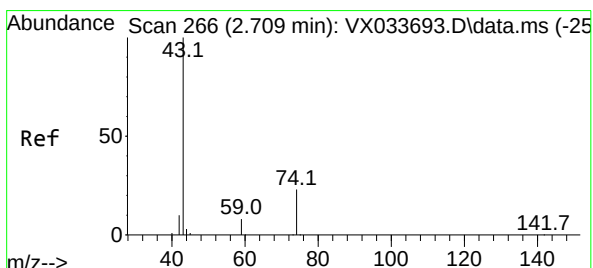
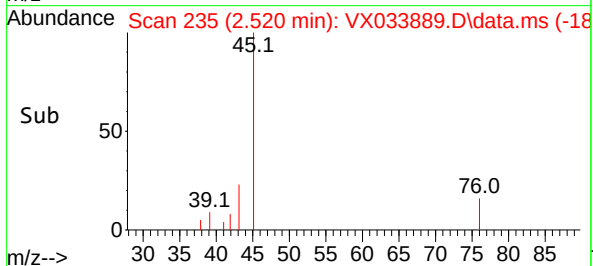
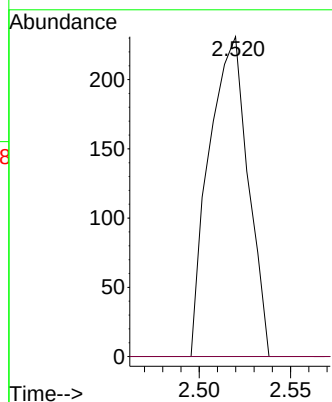
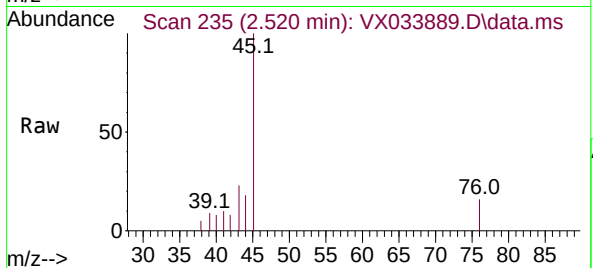
ClientSampleId :

Tgt Ion: 76 Resp: 342

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.337 ug/l

RT: 2.526 min Scan# 236

Delta R.T. -0.183 min

Lab File: VX033889.D

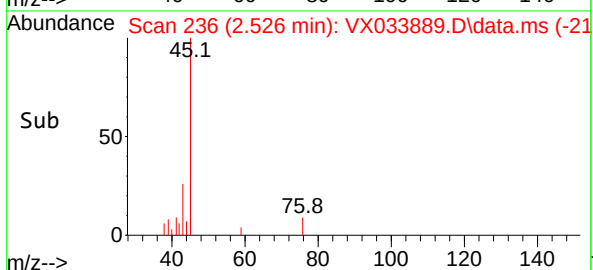
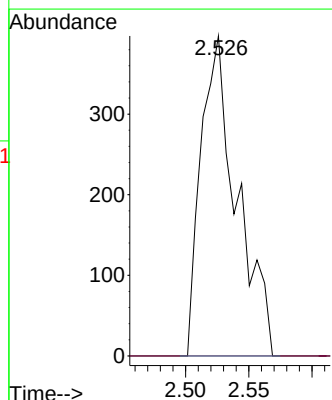
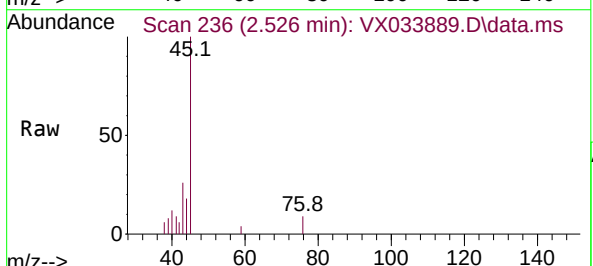
Acq: 25 Jan 2023 15:48

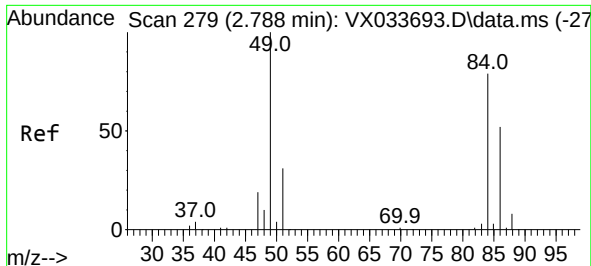
Tgt Ion: 43 Resp: 783

Ion Ratio Lower Upper

43 100

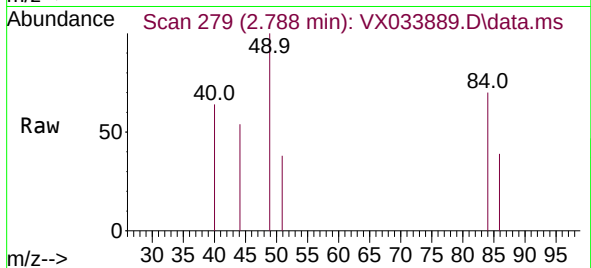
74 0.0 18.2 27.4#



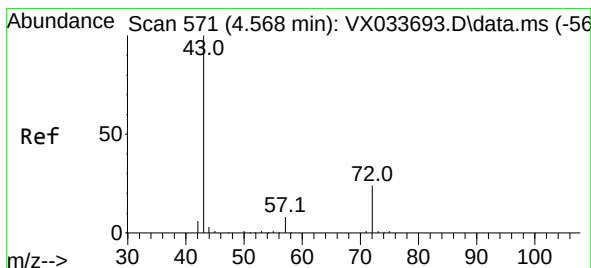
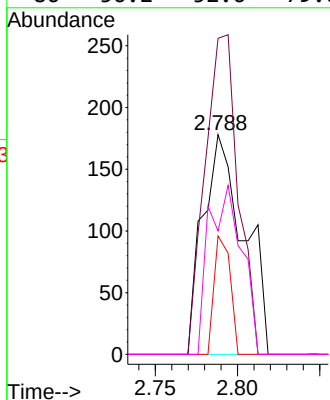
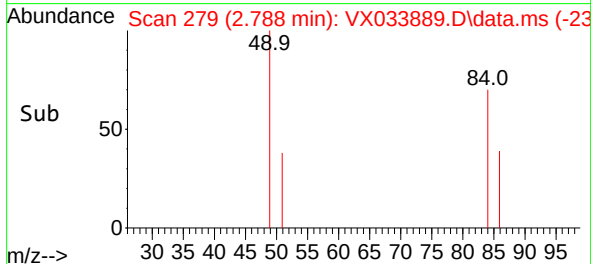


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

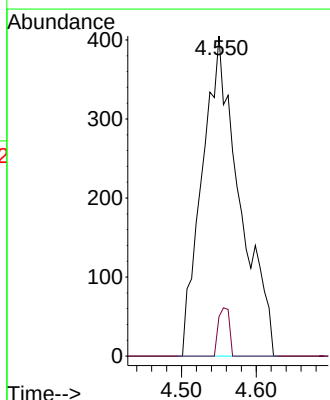
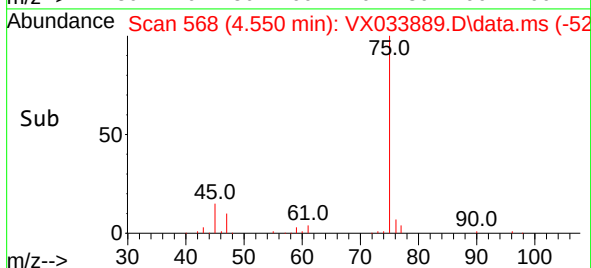
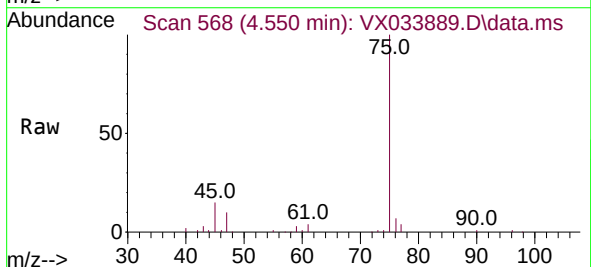


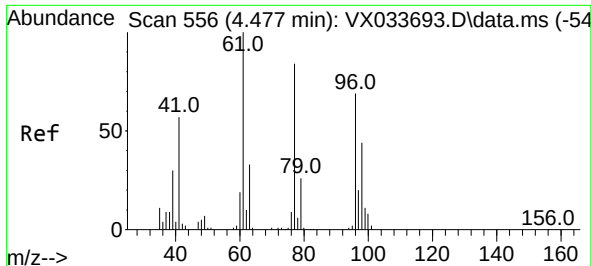
Tgt Ion:	84	Resp:	309
Ion	Ratio	Lower	Upper
84	100		
49	143.8	101.1	151.7
51	53.9	31.0	46.6#
86	56.2	52.6	79.0



#25
2-Butanone
Concen: 1.293 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.018 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

Tgt Ion:	43	Resp:	1407
Ion	Ratio	Lower	Upper
43	100		
72	12.3	19.4	29.2#

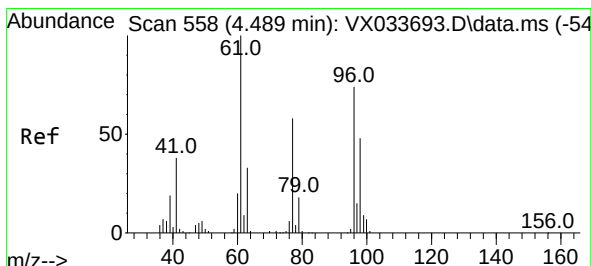
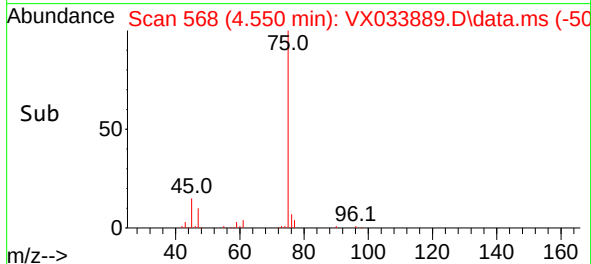
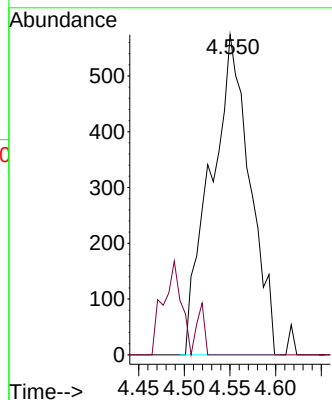
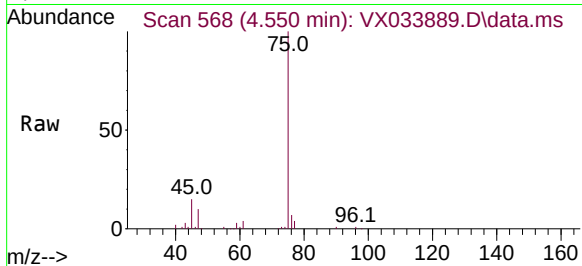




#26
2,2-Dichloropropane
Concen: 0.896 ug/l
RT: 4.550 min Scan# 51
Delta R.T. 0.073 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

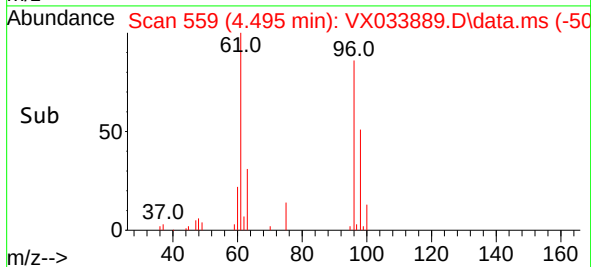
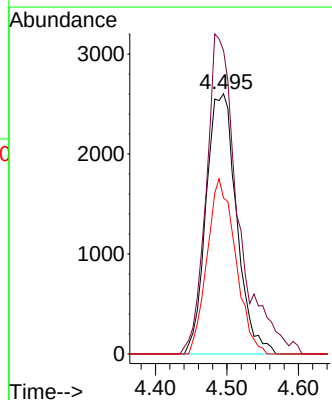
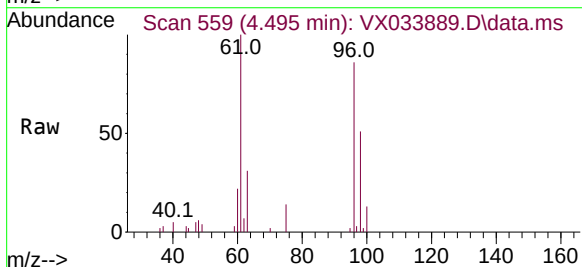
Instrument :
MSVOA_X
ClientSampleId :

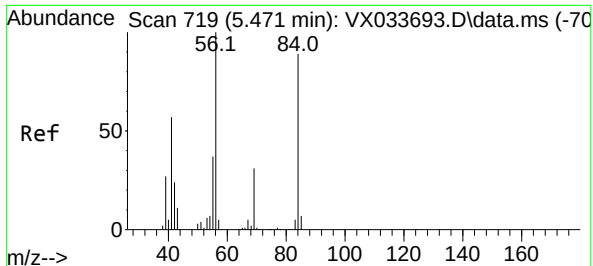
Tgt Ion: 77 Resp: 1715
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#27
cis-1,2-Dichloroethene
Concen: 4.455 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

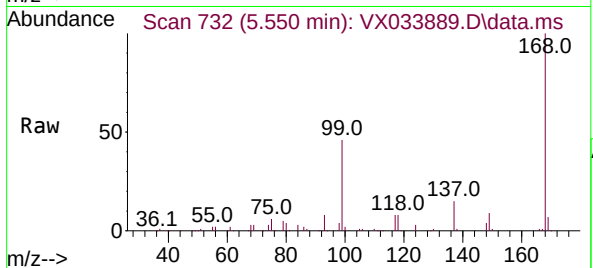
Tgt Ion: 96 Resp: 7709
Ion Ratio Lower Upper
96 100
61 129.1 0.0 277.6
98 62.8 0.0 128.0



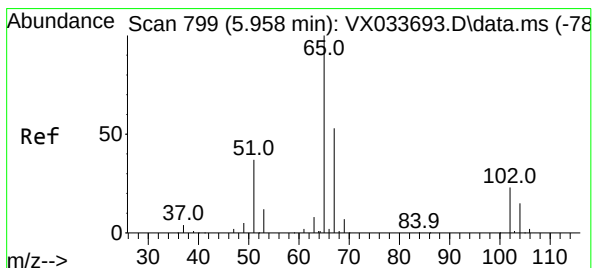
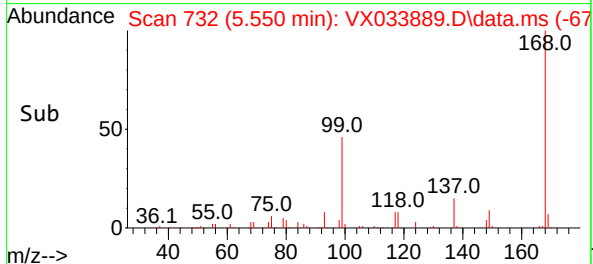
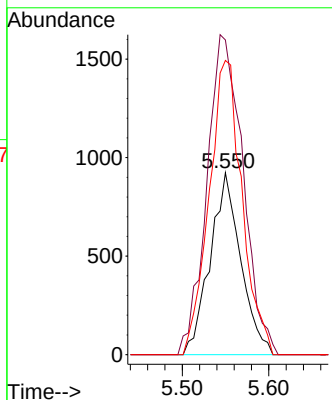


#31
Cyclohexane
Concen: 0.925 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

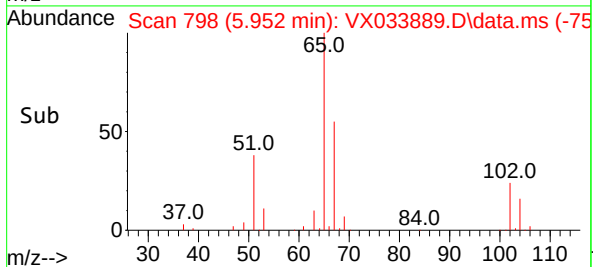
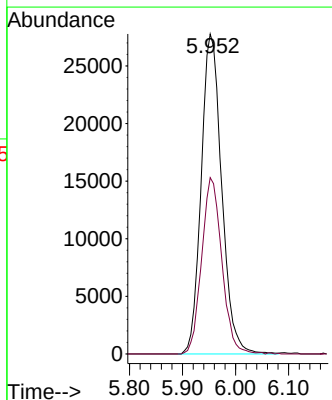
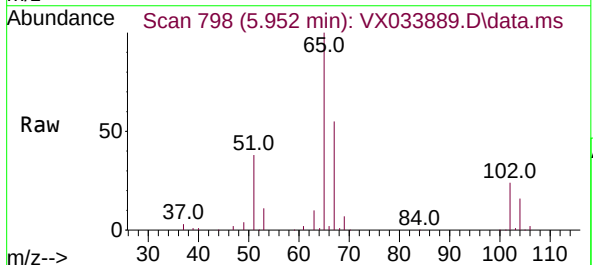


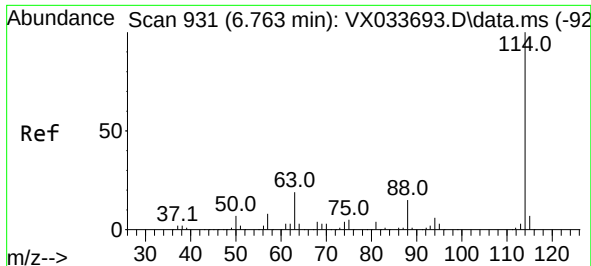
Tgt Ion: 56 Resp: 2268
Ion Ratio Lower Upper
56 100
69 173.0 24.6 37.0#
84 161.8 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 44.763 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

Tgt Ion: 65 Resp: 74572
Ion Ratio Lower Upper
65 100
67 54.2 0.0 104.8

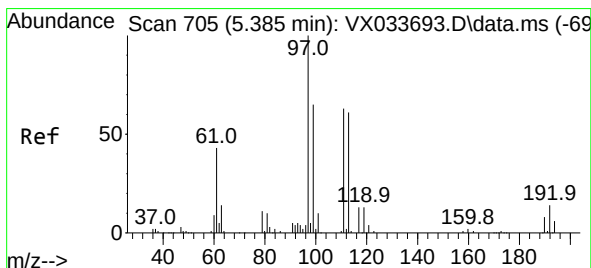
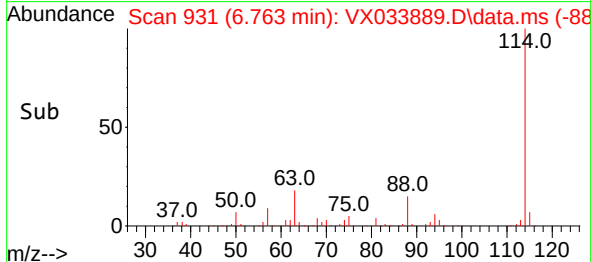
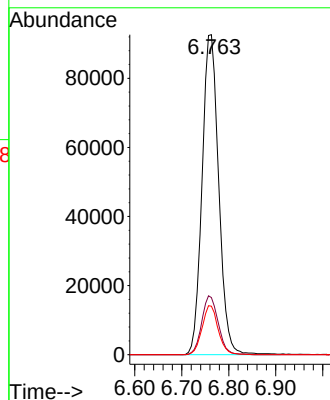
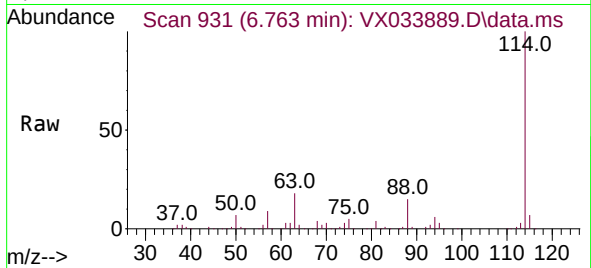




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

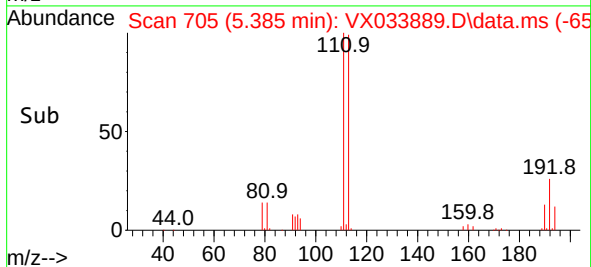
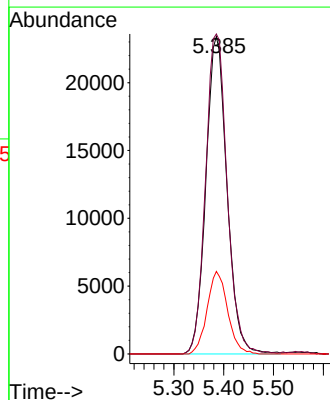
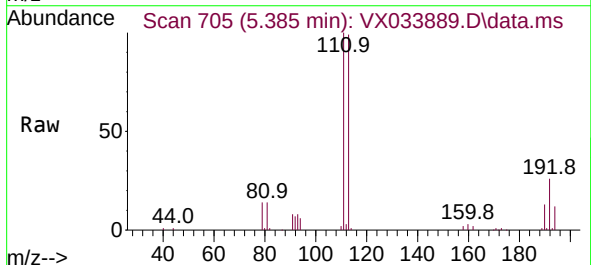
Instrument :
MSVOA_X
ClientSampleId :

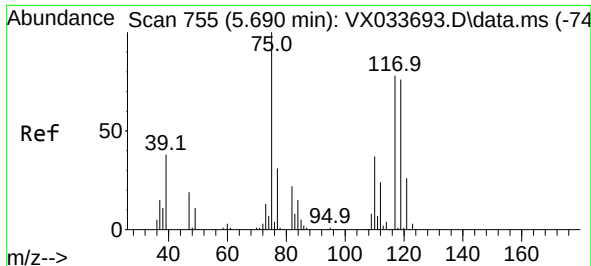
Tgt Ion:114 Resp: 228094
Ion Ratio Lower Upper
114 100
63 17.8 0.0 37.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.594 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

Tgt Ion:113 Resp: 68825
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 25.2 19.0 28.4

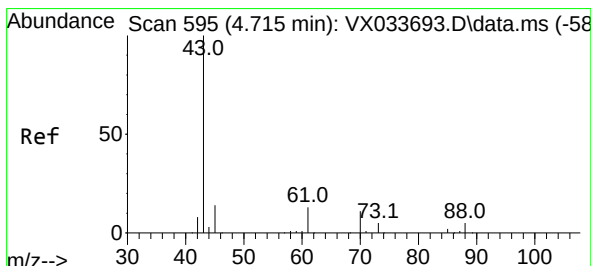
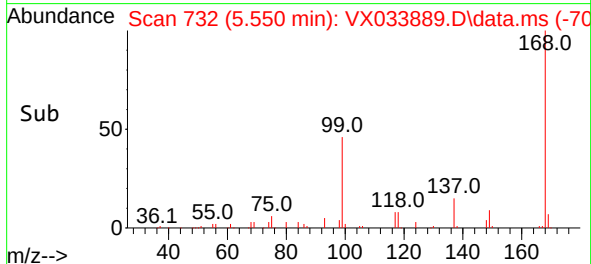
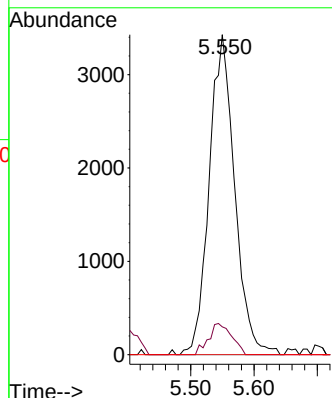
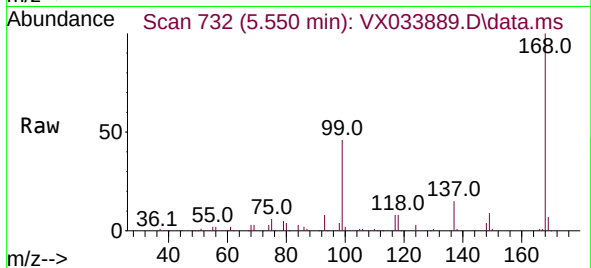




#36
1,1-Dichloropropene
Concen: 4.638 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

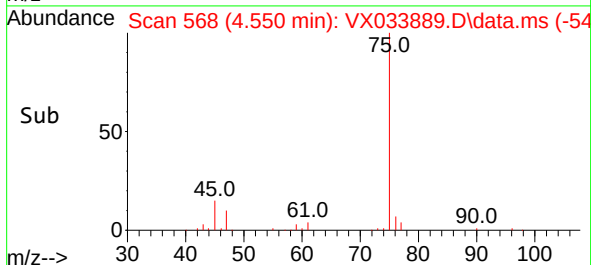
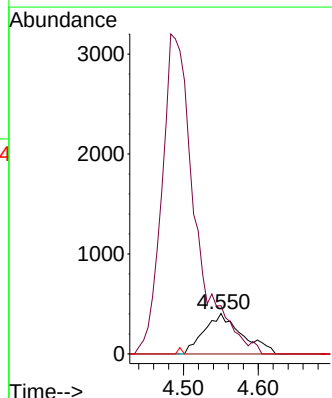
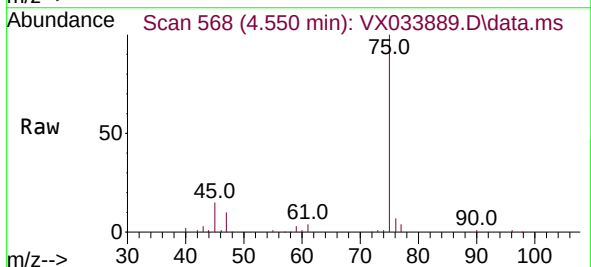
Instrument :
MSVOA_X
ClientSampleId :

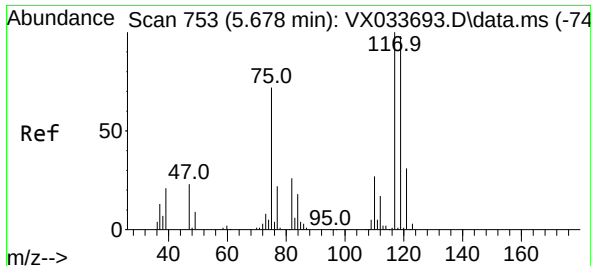
Tgt Ion: 75 Resp: 9587
Ion Ratio Lower Upper
75 100
110 8.9 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.550 min Scan# 568
Delta R.T. -0.165 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

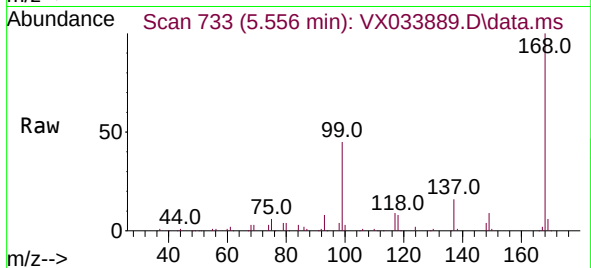
Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.5 12.7#



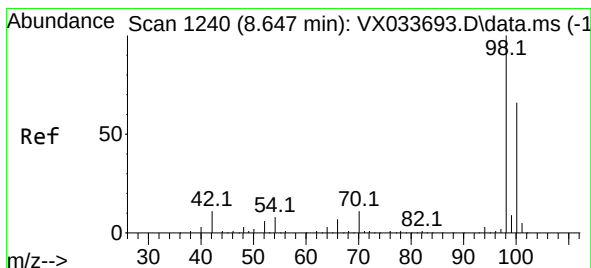
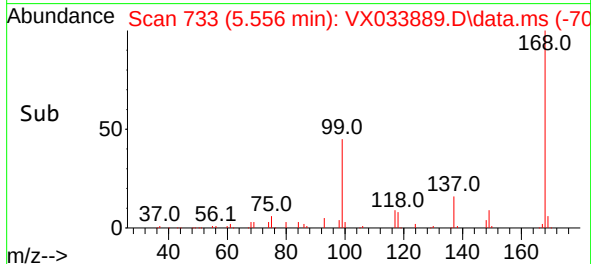
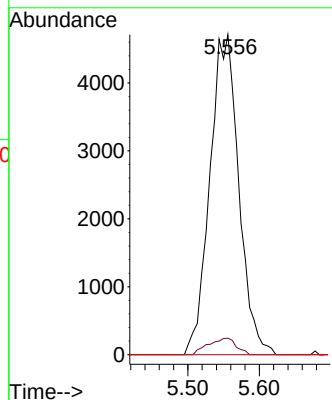


#38
Carbon Tetrachloride
Concen: 6.188 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

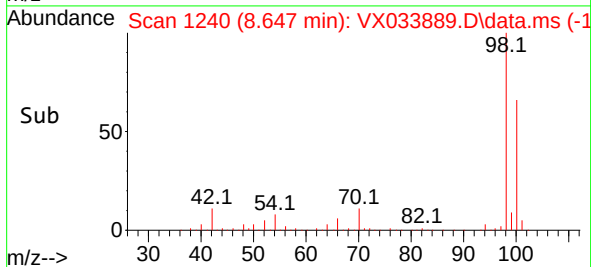
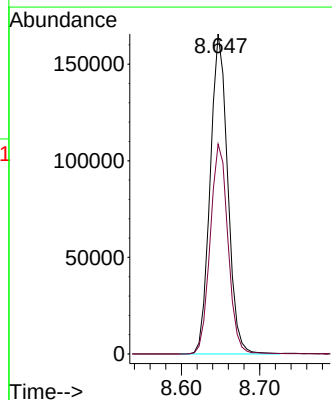
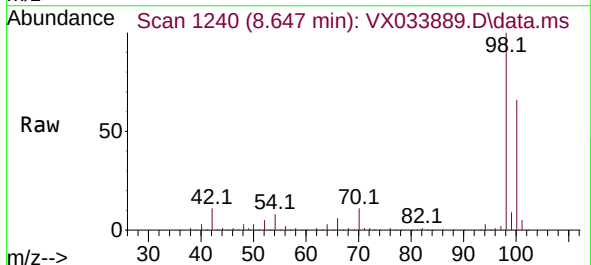


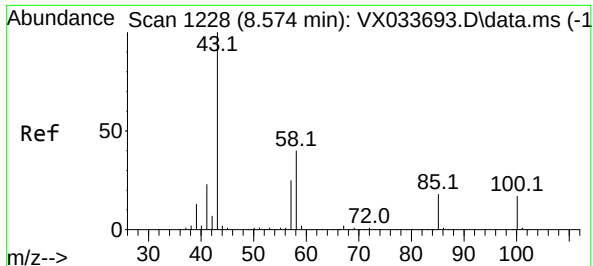
Tgt Ion:117 Resp: 13248
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.771 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033889.D
Acq: 25 Jan 2023 15:48

Tgt Ion: 98 Resp: 256843
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 0.544 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

Instrument :

MSVOA_X

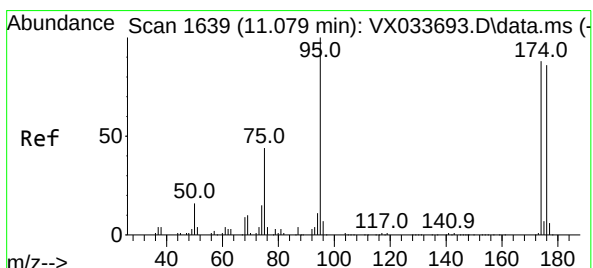
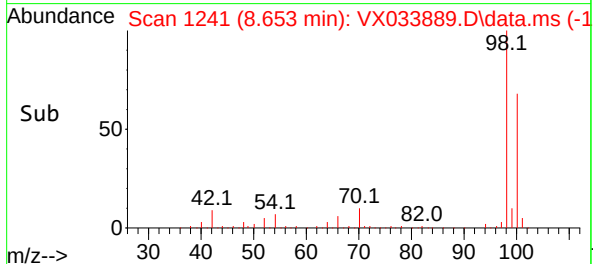
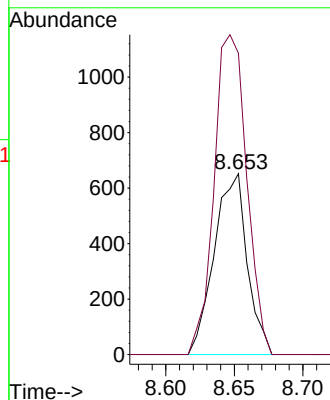
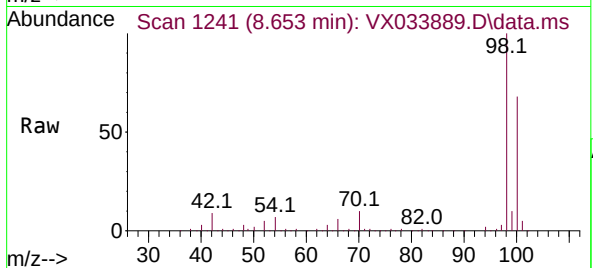
ClientSampleId :

Tgt Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

58 175.2 31.2 46.8#



#62

4-Bromofluorobenzene

Concen: 45.503 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

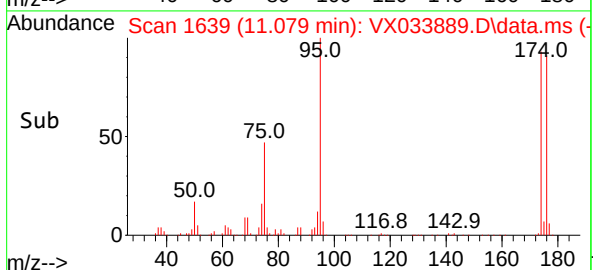
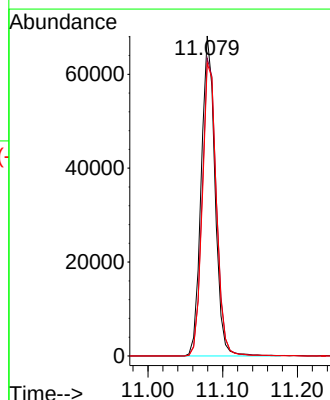
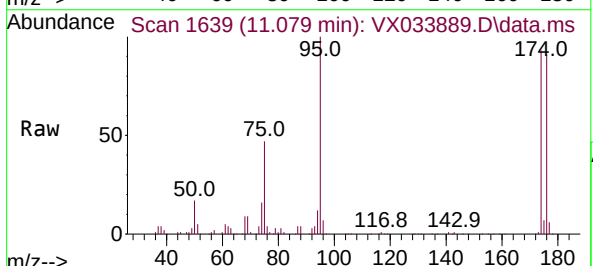
Tgt Ion: 95 Resp: 87183

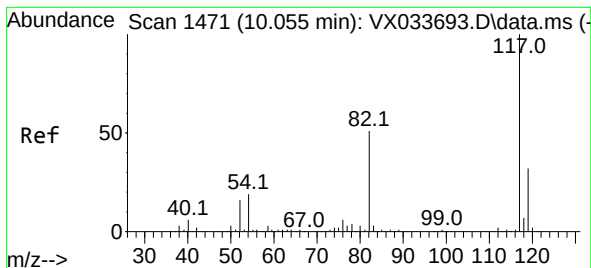
Ion Ratio Lower Upper

95 100

174 95.6 0.0 184.4

176 93.6 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

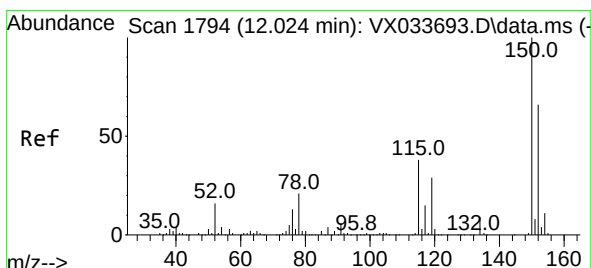
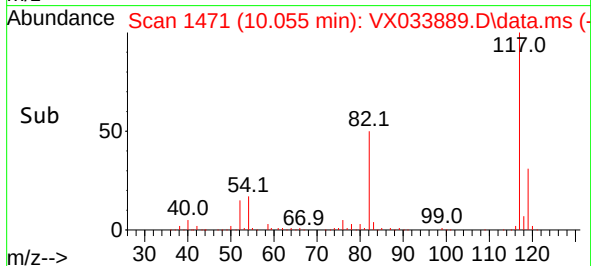
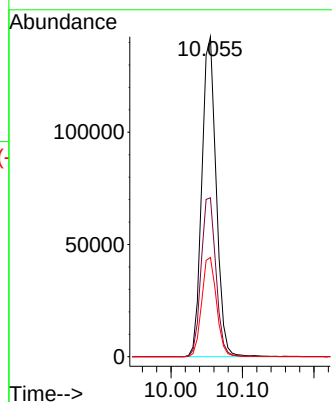
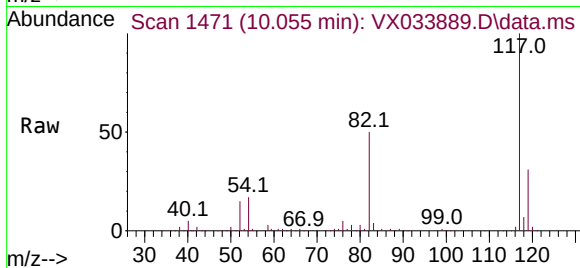
Tgt Ion:117 Resp: 199034

Ion Ratio Lower Upper

117 100

82 49.7 40.6 60.8

119 31.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

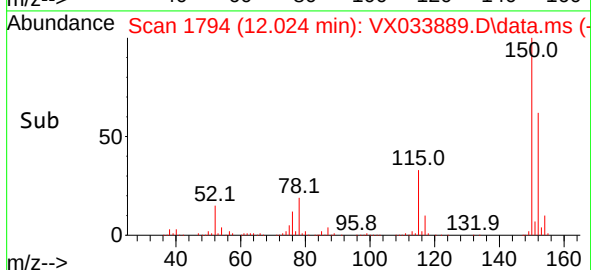
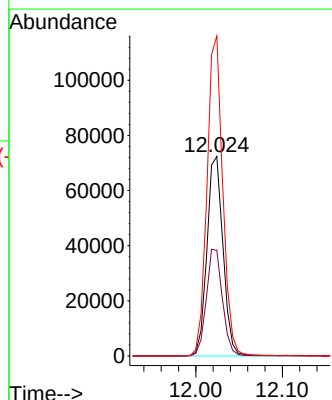
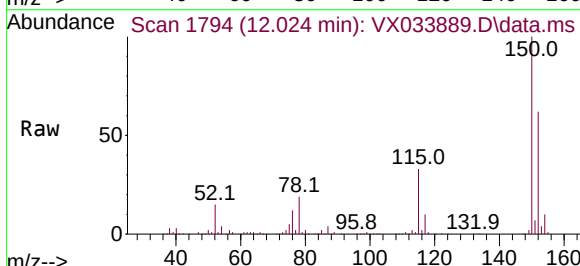
Tgt Ion:152 Resp: 93301

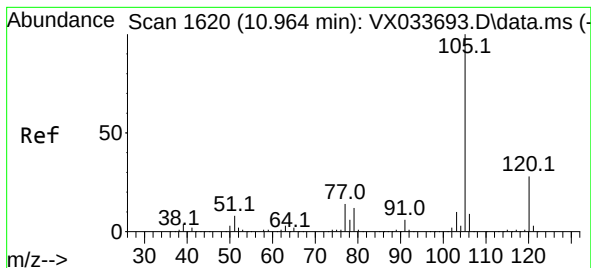
Ion Ratio Lower Upper

152 100

115 53.8 38.7 116.1

150 157.0 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 10.957 min Scan# 1619

Delta R.T. -0.007 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

Instrument :

MSVOA_X

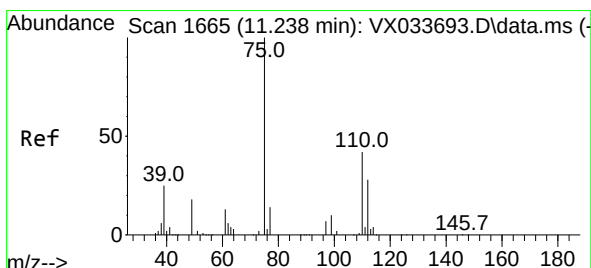
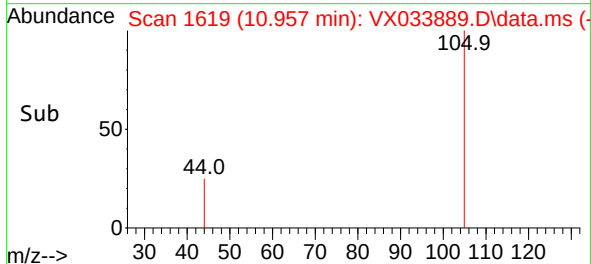
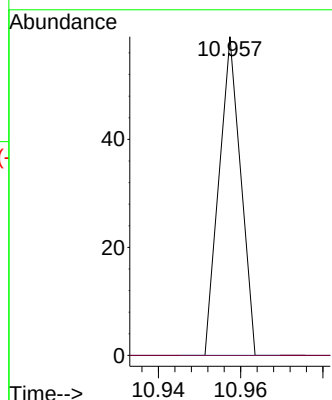
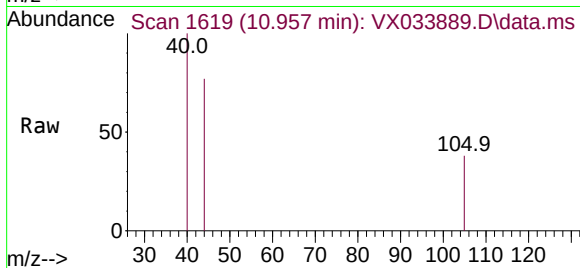
ClientSampleId :

Tgt Ion:105 Resp: 22

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 23.410 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033889.D

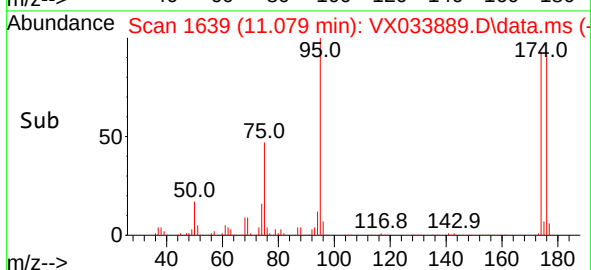
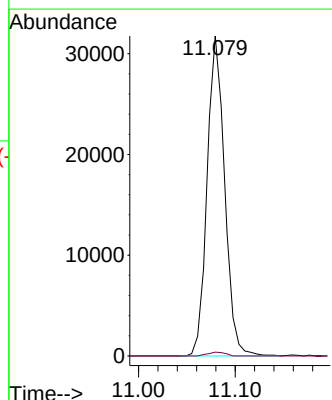
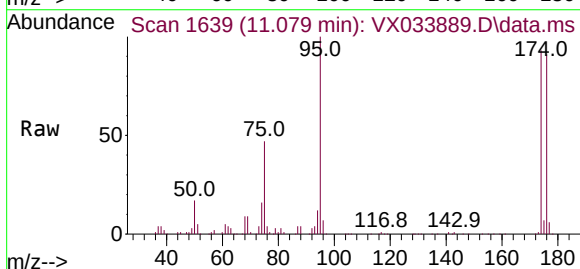
Acq: 25 Jan 2023 15:48

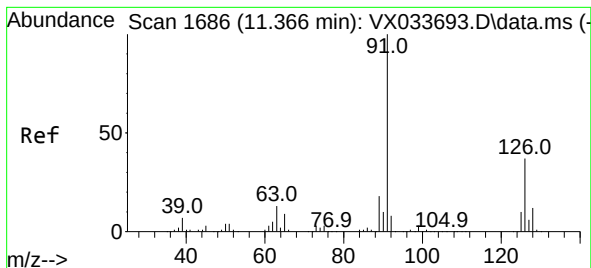
Tgt Ion: 75 Resp: 40131

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.372 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

Instrument :

MSVOA_X

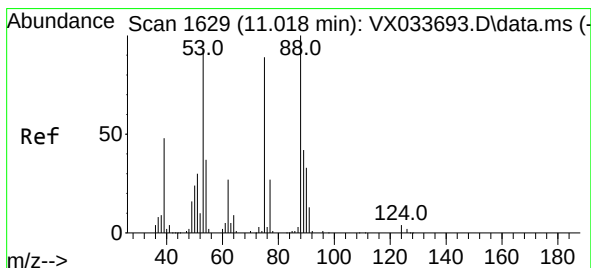
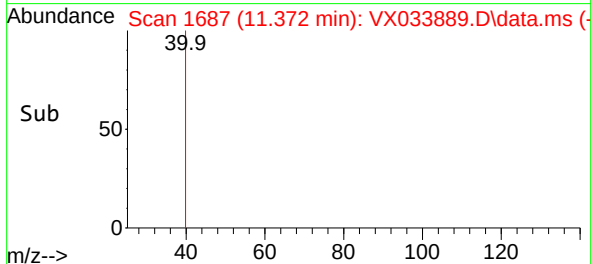
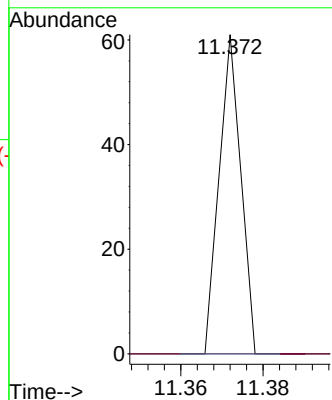
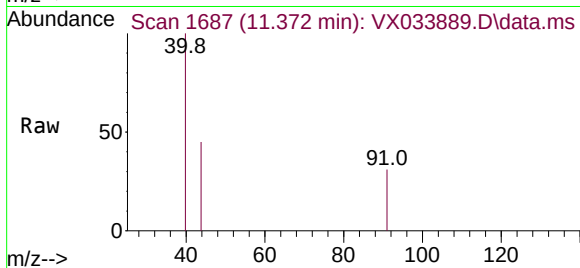
ClientSampleId :

Tgt Ion: 91 Resp: 22

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.756 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

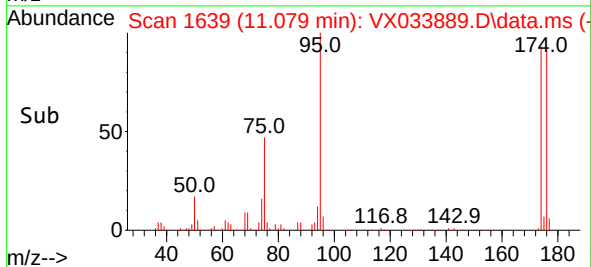
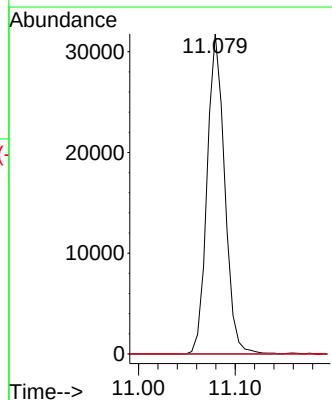
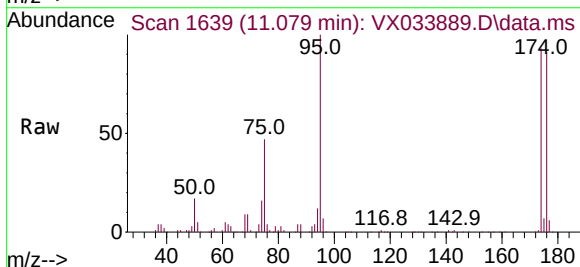
Tgt Ion: 75 Resp: 40131

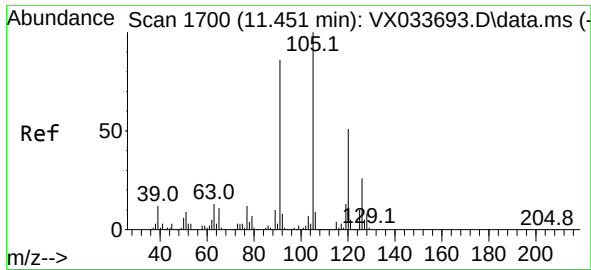
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

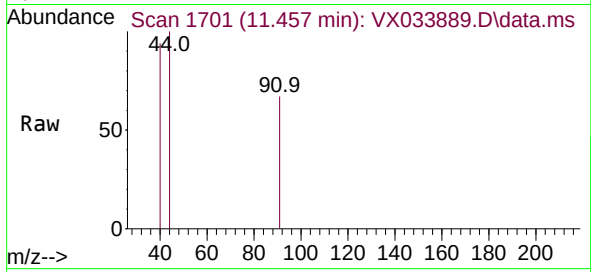
Lab File: VX033889.D

Acq: 25 Jan 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 91 Resp: 96

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.4#

