

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012523\
 Data File : VX033888.D
 Acq On : 25 Jan 2023 15:25
 Operator : JC/MD
 Sample : 01308-01 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 26 06:01:04 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)

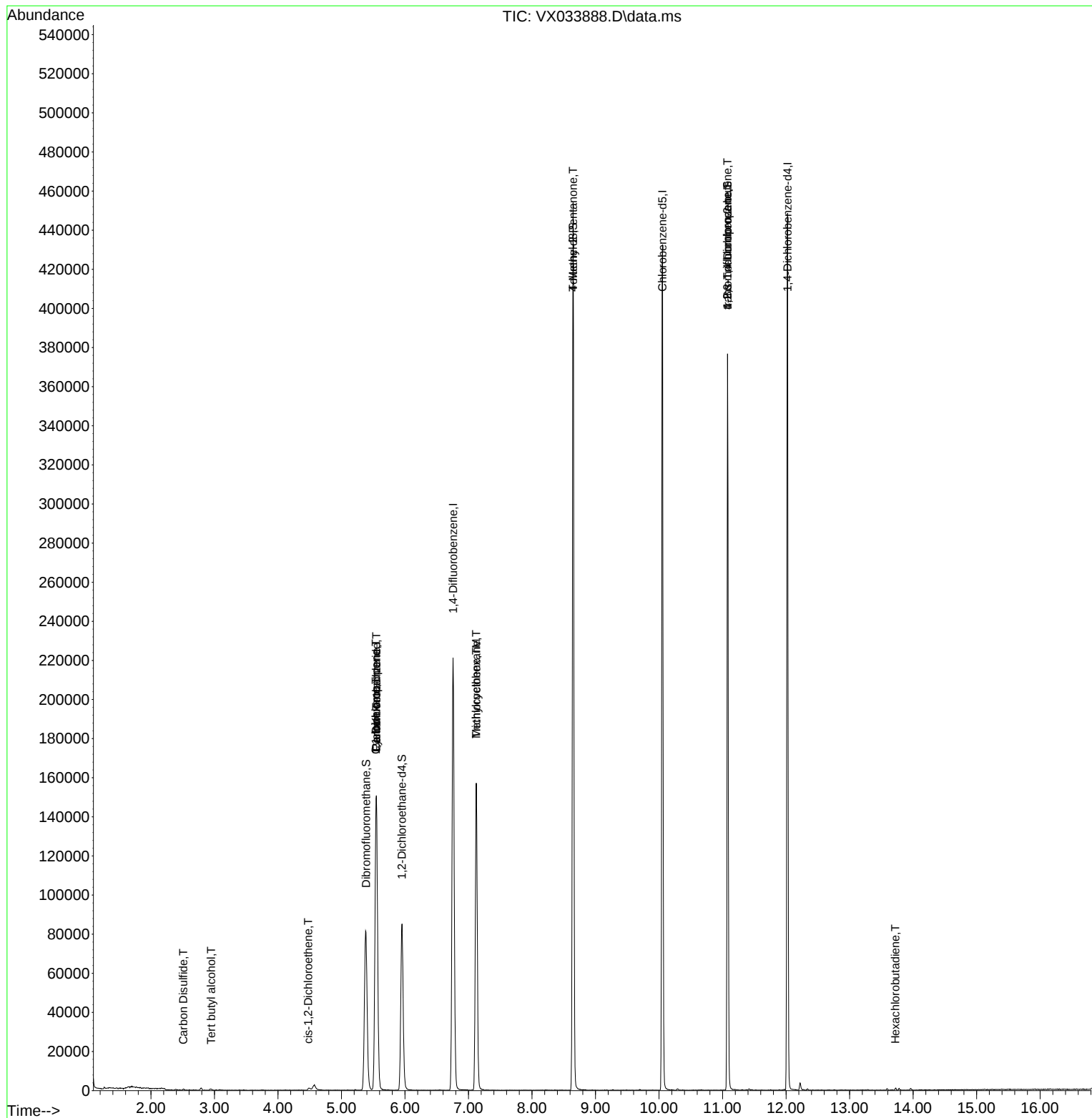
Internal Standards						
1) Pentafluorobenzene	5.550	168	166913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79852	45.437	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.880%		
35) Dibromofluoromethane	5.385	113	74007	49.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.320%		
50) Toluene-d8	8.647	98	273668	49.894	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.780%		
62) 4-Bromofluorobenzene	11.079	95	94832	46.567	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.140%		
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.947	59	417	1.366	ug/l #	86
16) Acetone	2.392	43	519	Below Cal	#	79
17) Carbon Disulfide	2.508	76	680	2.013	ug/l #	76
20) Methylene Chloride	2.788	84	515	Below Cal	#	83
27) cis-1,2-Dichloroethene	4.477	96	882	0.483	ug/l	83
31) Cyclohexane	5.544	56	2402	0.929	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9846	4.481	ug/l #	49
37) Ethyl Acetate	4.629	43	22	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	14236	6.256	ug/l #	16
39) Methylcyclohexane	7.123	83	688	0.254	ug/l #	1
44) Trichloroethene	7.123	130	66968	37.396	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	1104	0.518	ug/l #	1
73) Isopropylbenzene	10.969	105	50	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	44407	22.778	ug/l #	34
77) Bromobenzene	11.195	156	65	Below Cal	#	33
79) 2-Chlorotoluene	11.366	91	158	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44407	70.791	ug/l #	8
82) 4-Chlorotoluene	11.457	91	252	Below Cal	#	62
94) Hexachlorobutadiene	13.719	225	383	0.336	ug/l	82

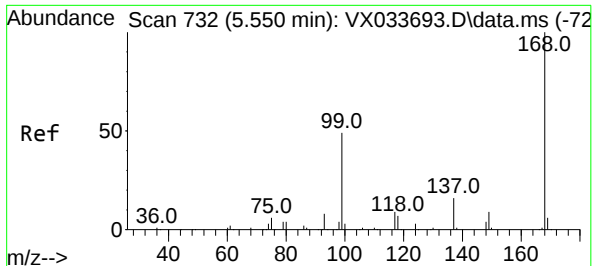
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

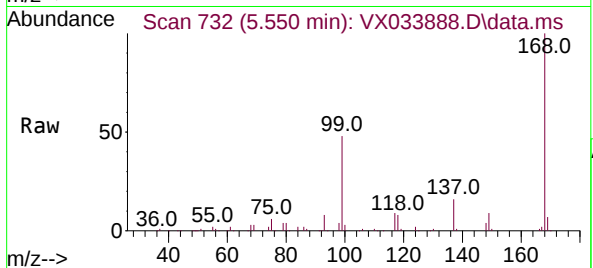
Quant Time: Jan 26 06:01:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



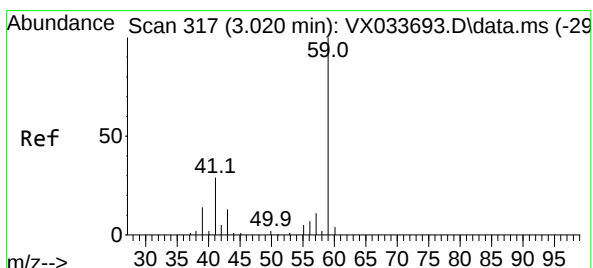
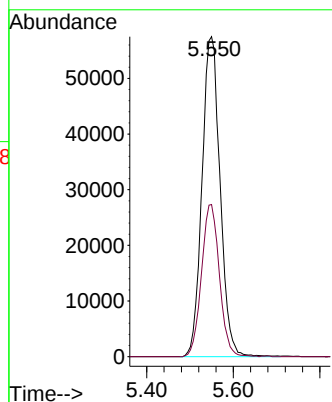
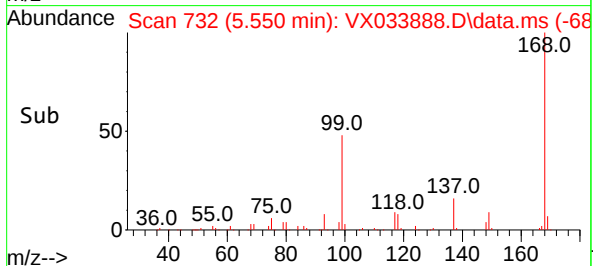


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Instrument :
MSVOA_X
ClientSampleId :

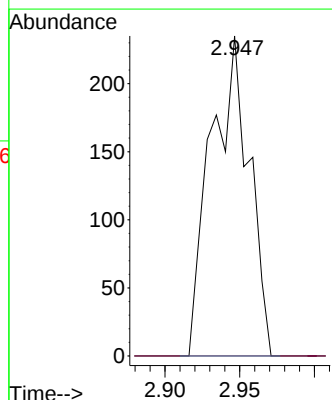
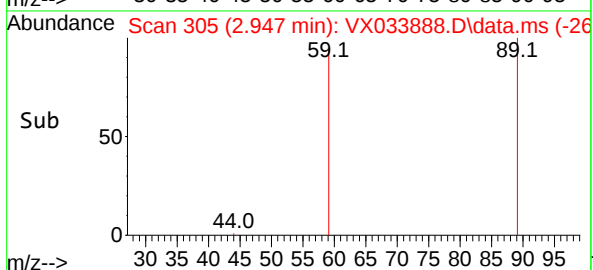
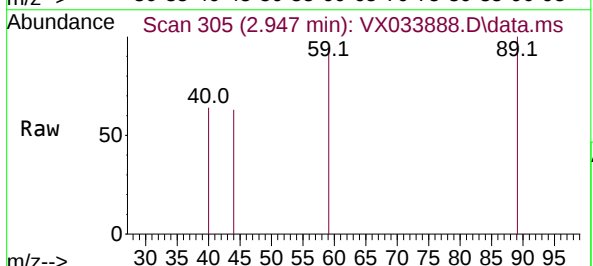


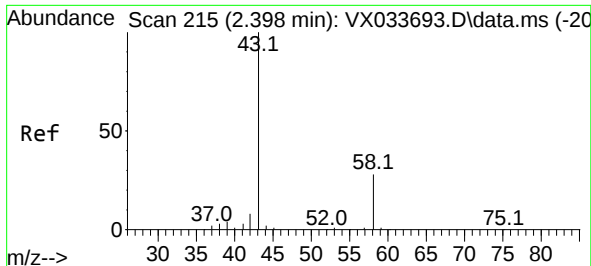
Tgt Ion:168 Resp: 166913
Ion Ratio Lower Upper
168 100
99 47.6 39.6 59.4



#11
Tert butyl alcohol
Concen: 1.366 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

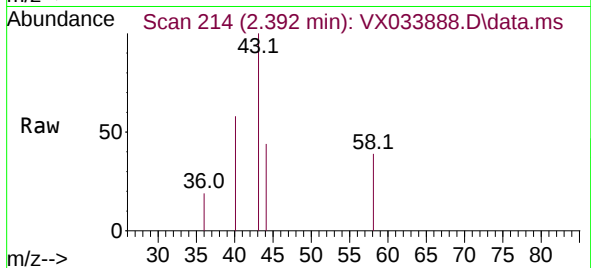
Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#



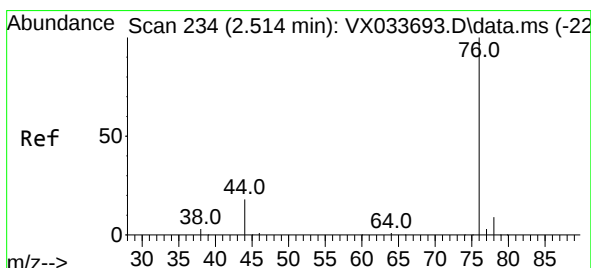
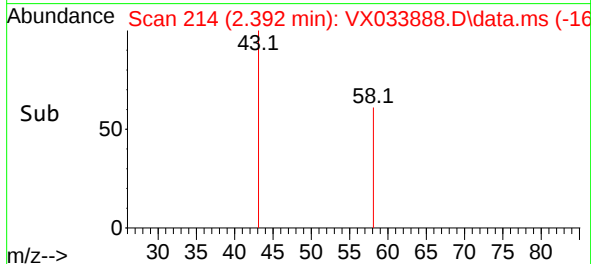
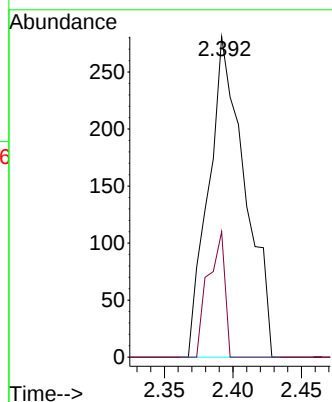


#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Instrument :
MSVOA_X
ClientSampleId :

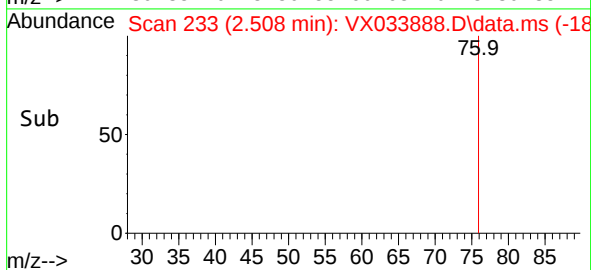
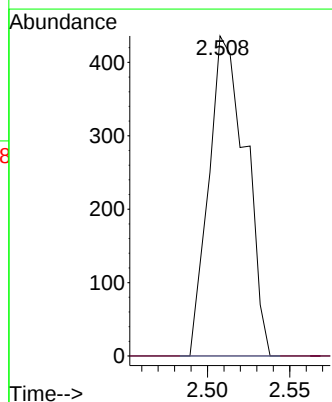
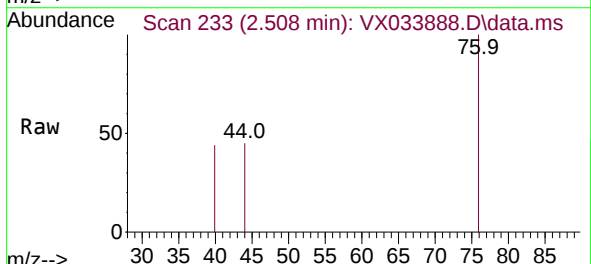


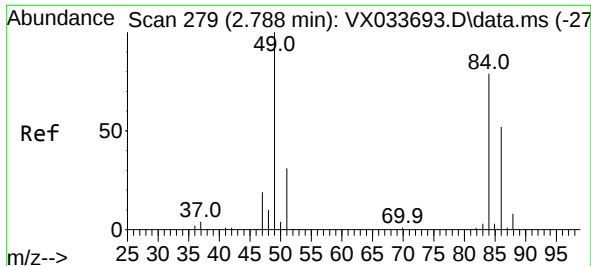
Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
58 39.1 22.6 33.8#



#17
Carbon Disulfide
Concen: 2.013 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Tgt Ion: 76 Resp: 680
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

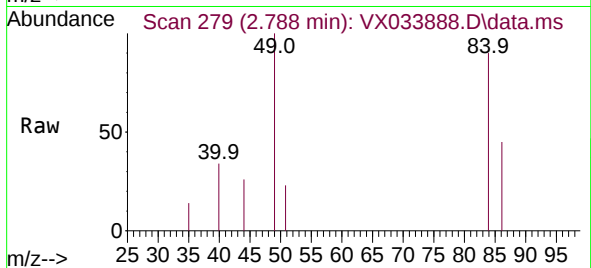
Lab File: VX033888.D

Acq: 25 Jan 2023 15:25

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 515

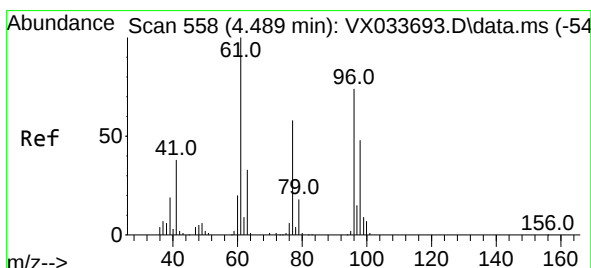
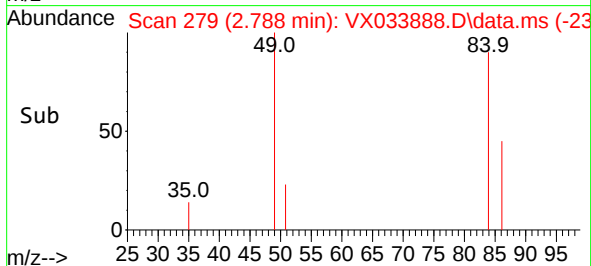
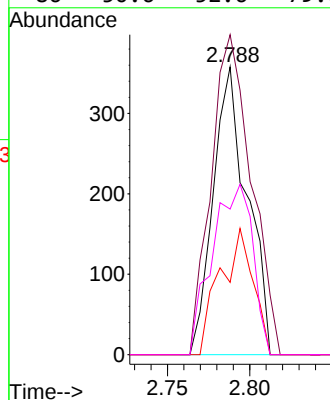
Ion Ratio Lower Upper

84 100

49 111.2 101.1 151.7

51 25.1 31.0 46.6#

86 50.6 52.6 79.0#



#27

cis-1,2-Dichloroethene

Concen: 0.483 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.012 min

Lab File: VX033888.D

Acq: 25 Jan 2023 15:25

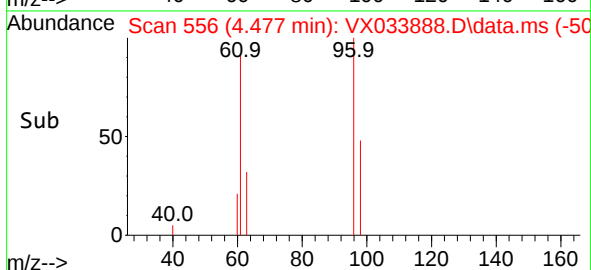
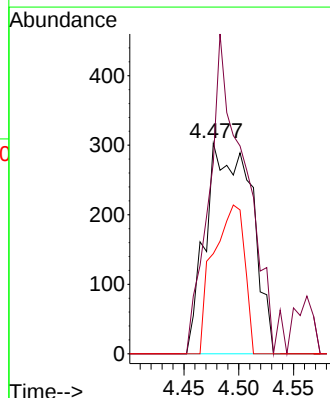
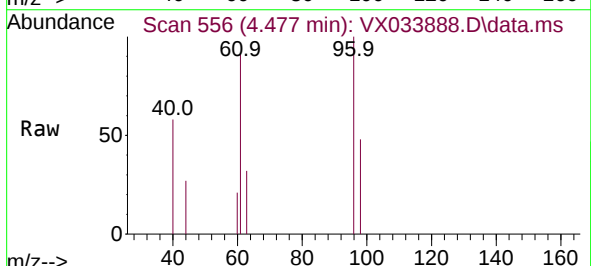
Tgt Ion: 96 Resp: 882

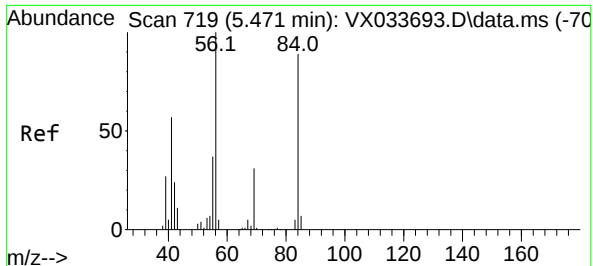
Ion Ratio Lower Upper

96 100

61 120.2 0.0 277.6

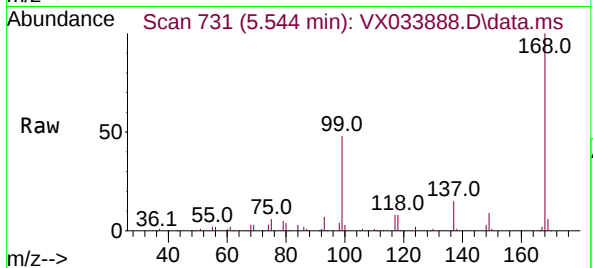
98 48.2 0.0 128.0



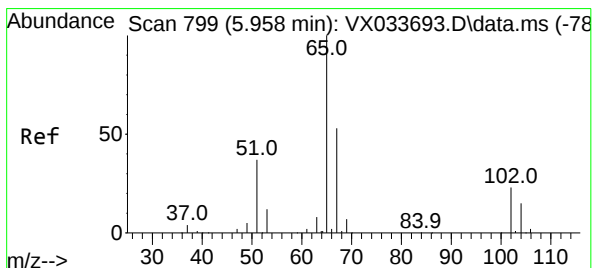
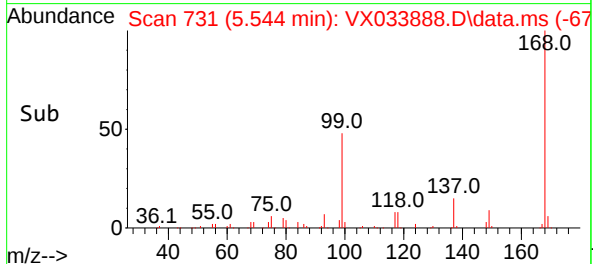
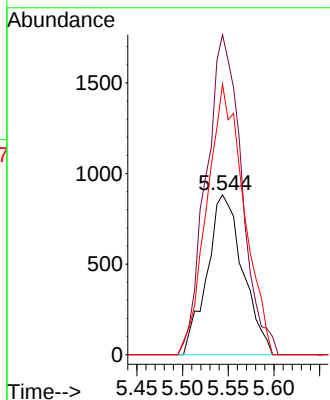


#31
Cyclohexane
Concen: 0.929 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Instrument :
MSVOA_X
ClientSampleId :

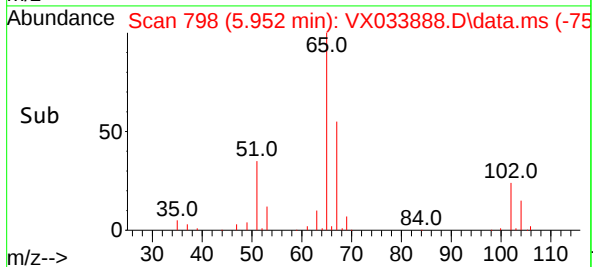
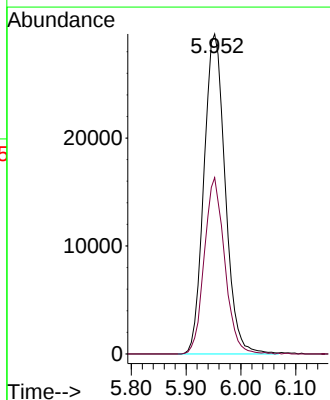
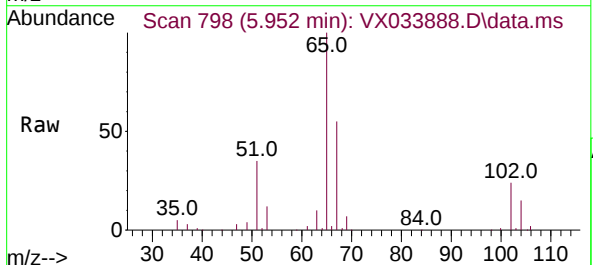


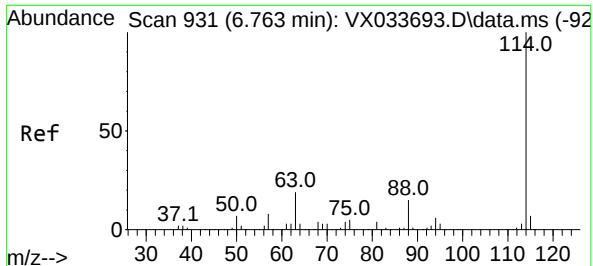
Tgt Ion: 56 Resp: 2402
Ion Ratio Lower Upper
56 100
69 200.2 24.6 37.0#
84 169.3 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.437 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Tgt Ion: 65 Resp: 79852
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8

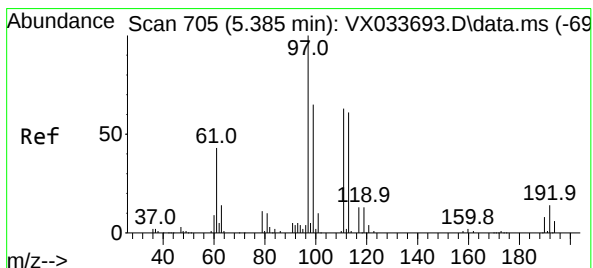
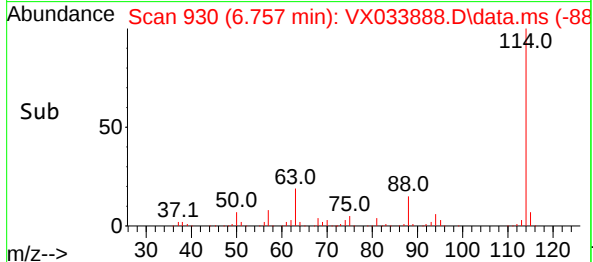
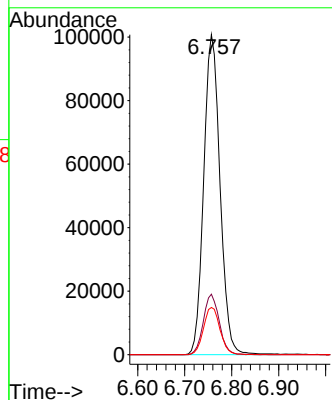
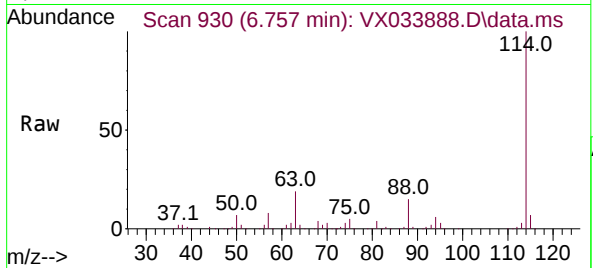




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

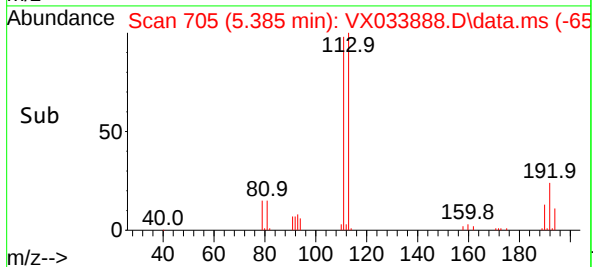
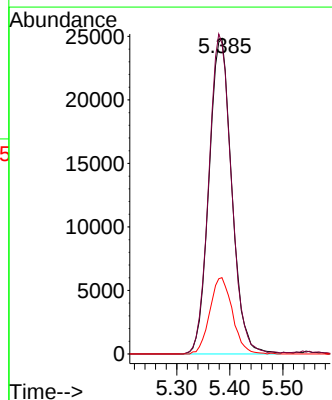
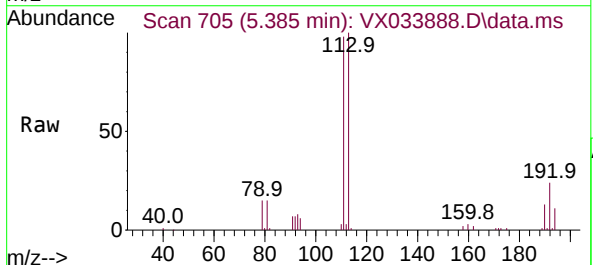
Instrument :
MSVOA_X
ClientSampleId :

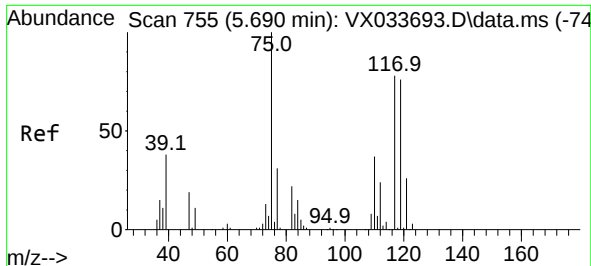
Tgt Ion:114 Resp: 242439
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.161 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Tgt Ion:113 Resp: 74007
Ion Ratio Lower Upper
113 100
111 100.9 83.0 124.6
192 24.0 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.481 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

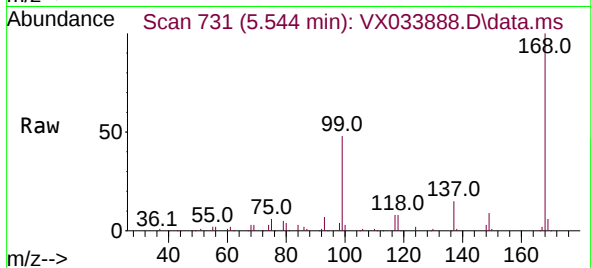
Lab File: VX033888.D

Acq: 25 Jan 2023 15:25

Instrument :

MSVOA_X

ClientSampleId :



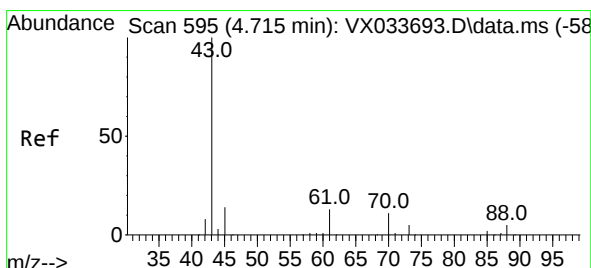
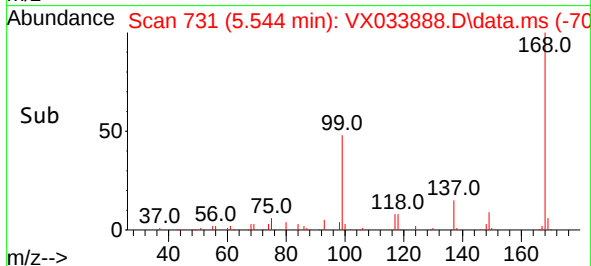
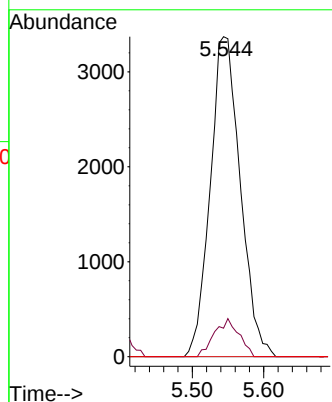
Tgt Ion: 75 Resp: 9846

Ion Ratio Lower Upper

75 100

110 9.7 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.629 min Scan# 581

Delta R.T. -0.086 min

Lab File: VX033888.D

Acq: 25 Jan 2023 15:25

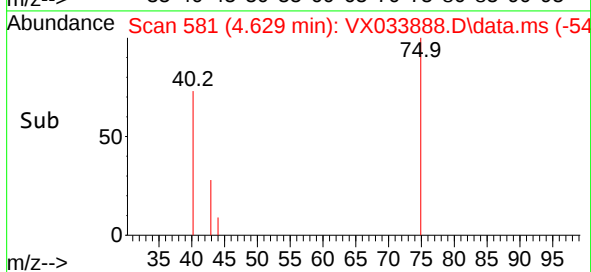
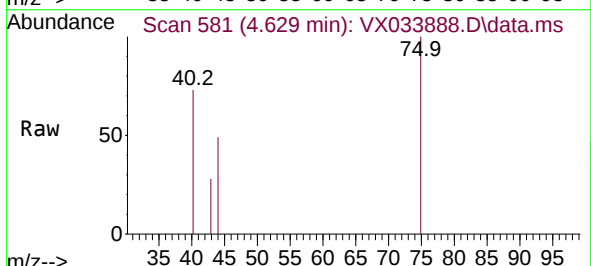
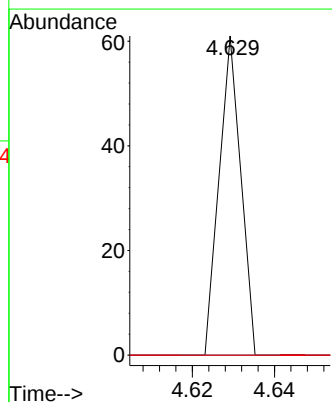
Tgt Ion: 43 Resp: 22

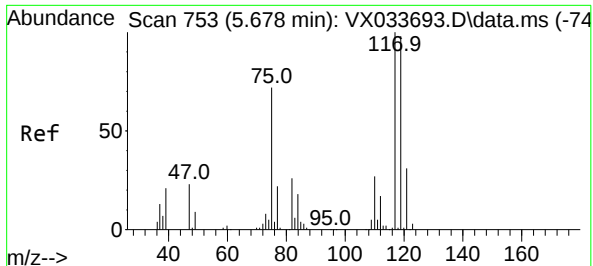
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

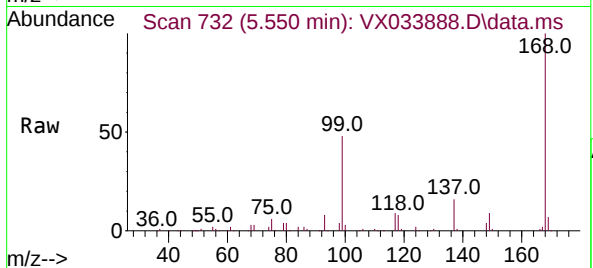
70 0.0 8.5 12.7#



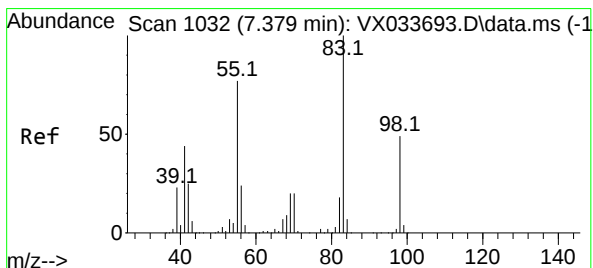
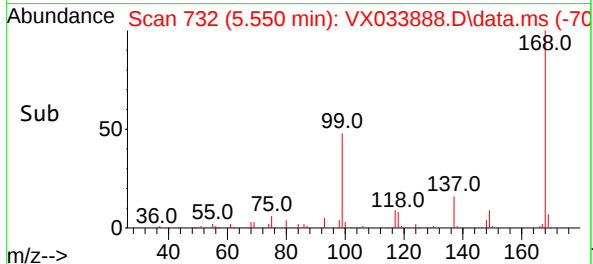
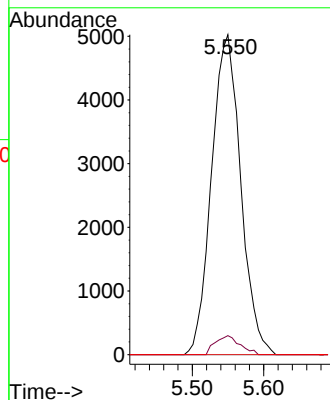


#38
Carbon Tetrachloride
Concen: 6.256 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Instrument :
MSVOA_X
ClientSampleId :

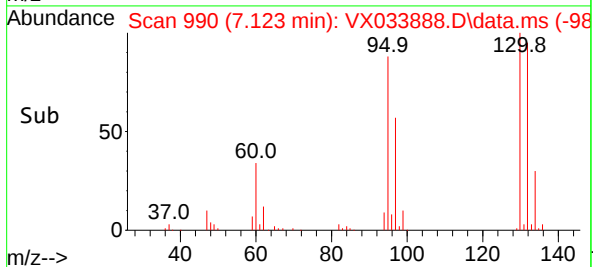
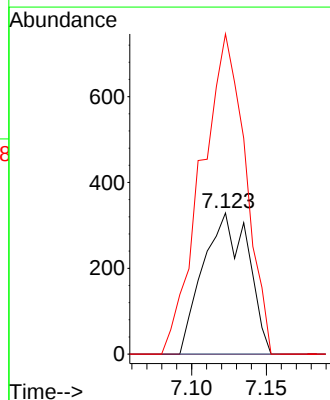
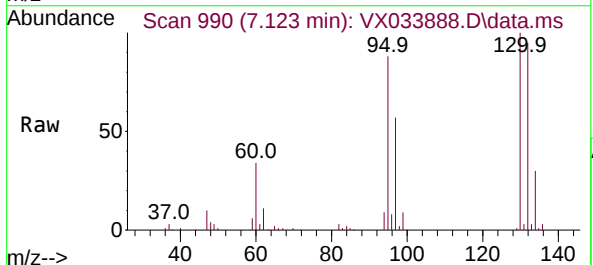


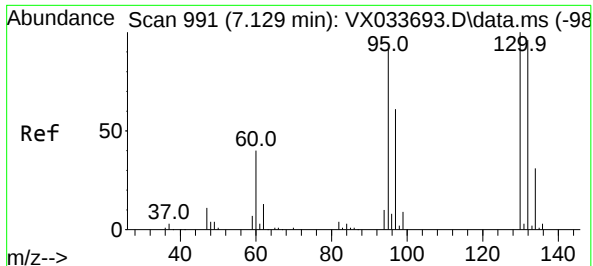
Tgt Ion:117 Resp: 14236
Ion Ratio Lower Upper
117 100
119 5.9 78.0 117.0#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.254 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Tgt Ion: 83 Resp: 688
Ion Ratio Lower Upper
83 100
55 0.0 61.8 92.6#
98 226.7 39.3 58.9#

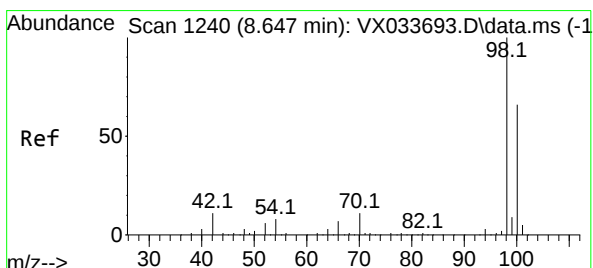
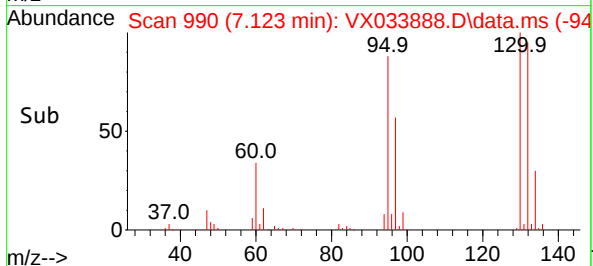
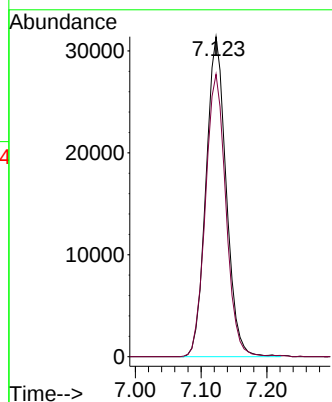
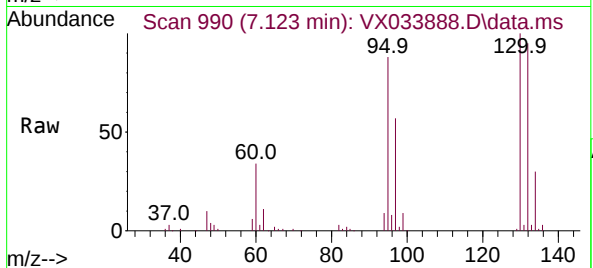




#44
Trichloroethene
Concen: 37.396 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

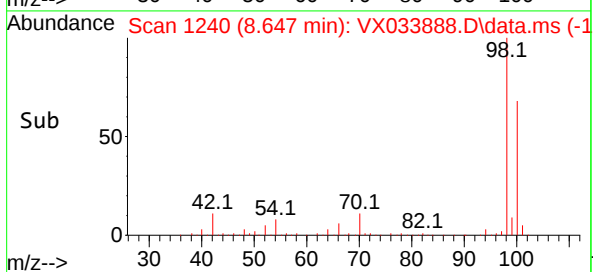
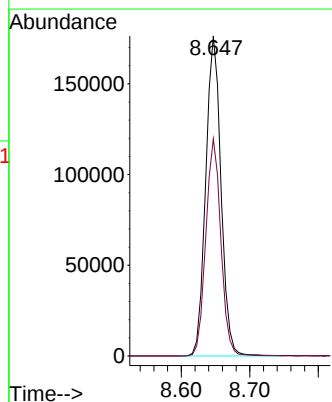
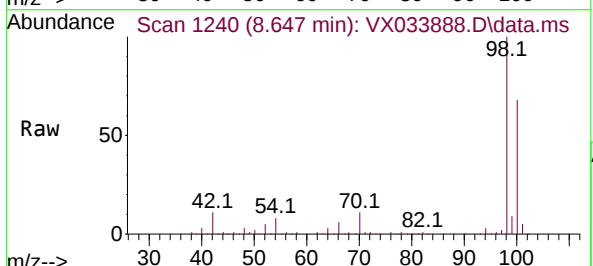
Instrument :
MSVOA_X
ClientSampleId :

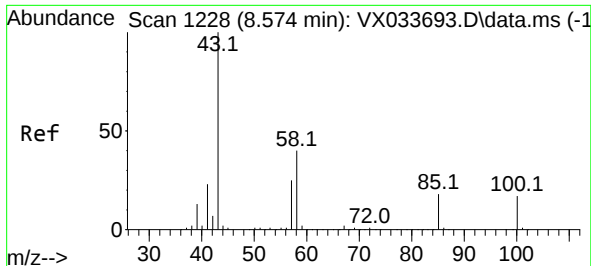
Tgt Ion:130 Resp: 66968
Ion Ratio Lower Upper
130 100
95 88.3 0.0 182.6



#50
Toluene-d8
Concen: 49.894 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Tgt Ion: 98 Resp: 273668
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 0.518 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX033888.D

Acq: 25 Jan 2023 15:25

Instrument :

MSVOA_X

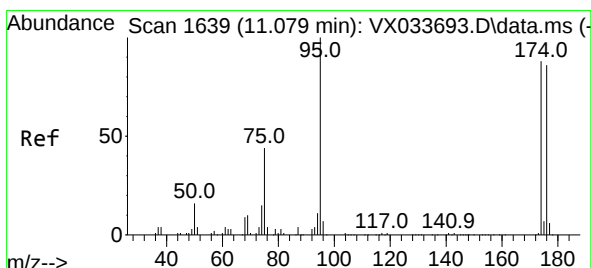
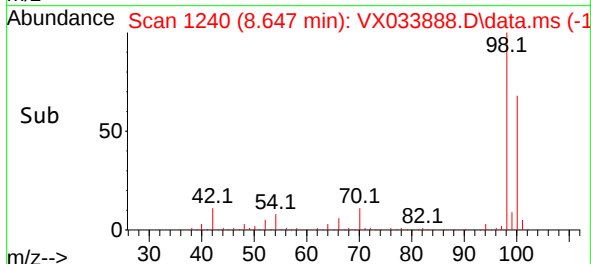
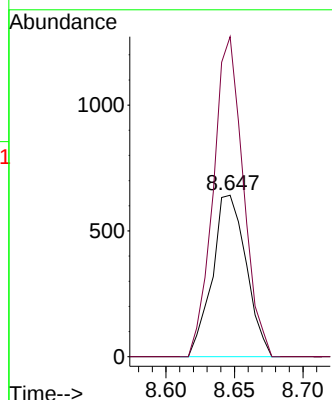
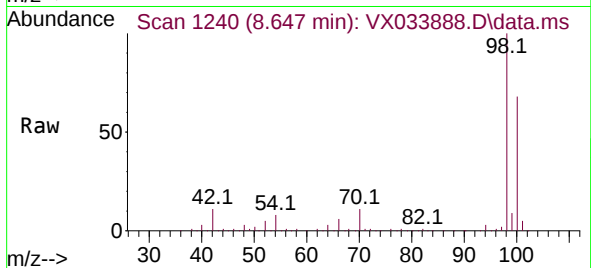
ClientSampleId :

Tgt Ion: 43 Resp: 1104

Ion Ratio Lower Upper

43 100

58 175.3 31.2 46.8#



#62

4-Bromofluorobenzene

Concen: 46.567 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033888.D

Acq: 25 Jan 2023 15:25

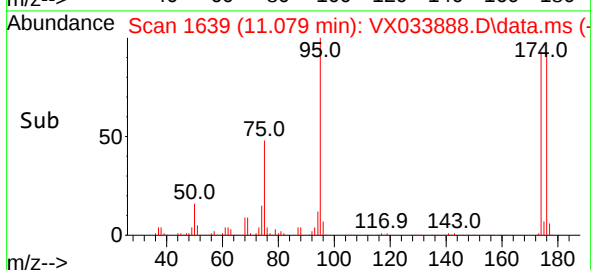
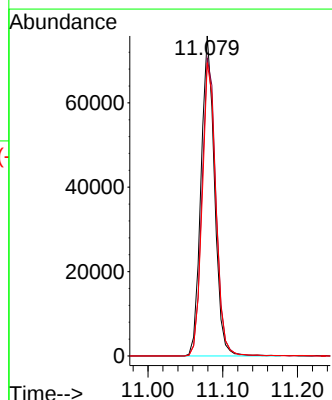
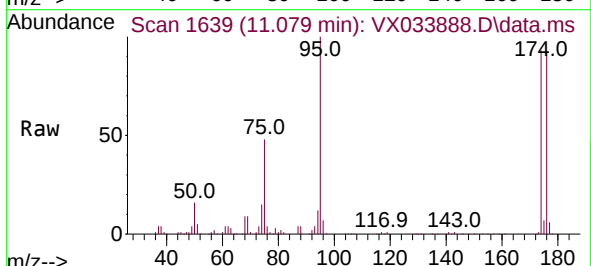
Tgt Ion: 95 Resp: 94832

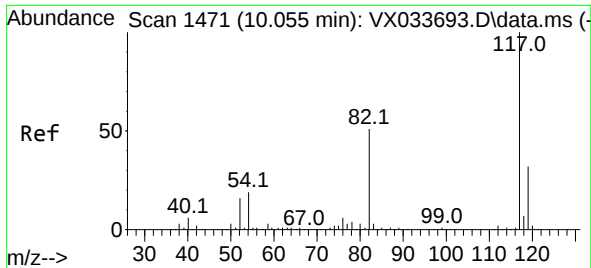
Ion Ratio Lower Upper

95 100

174 96.2 0.0 184.4

176 93.2 0.0 178.8

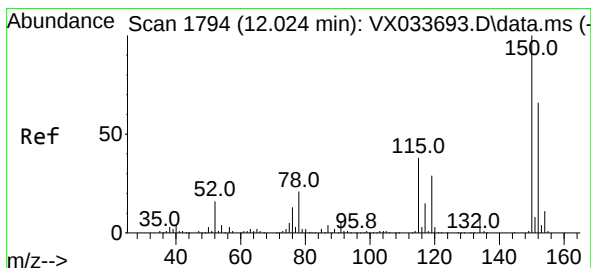
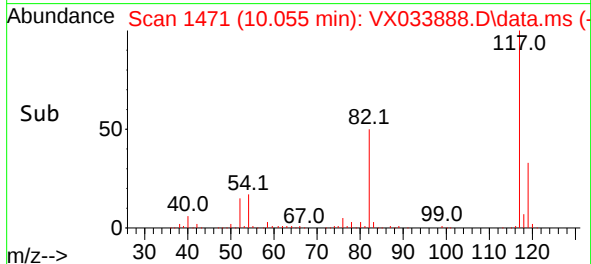
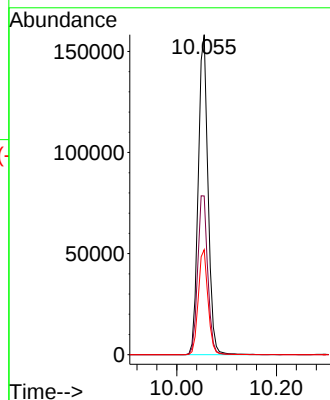
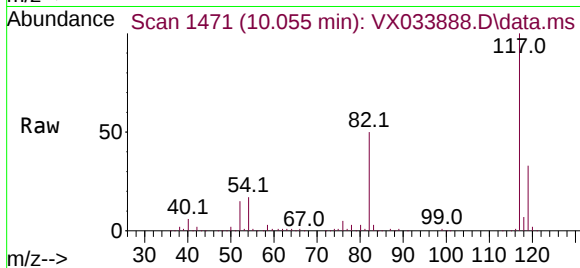




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

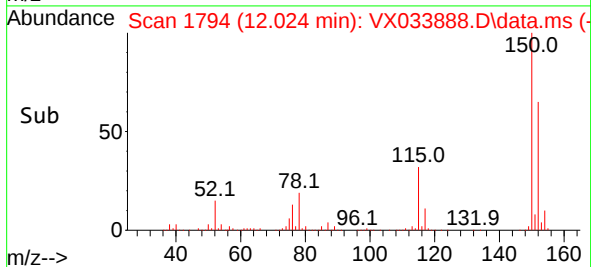
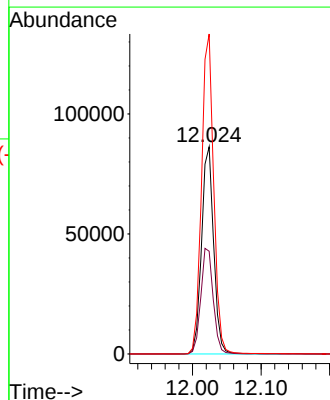
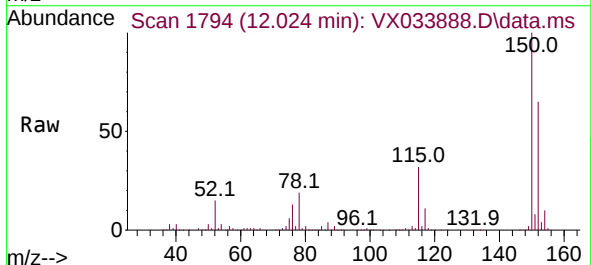
Instrument :
MSVOA_X
ClientSampleId :

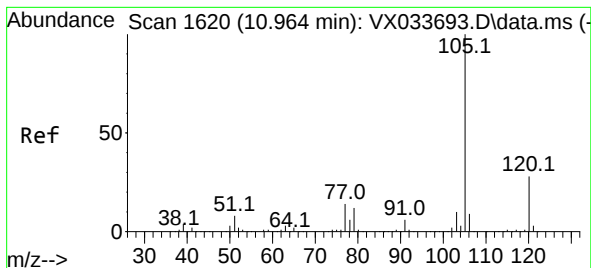
Tgt Ion:117 Resp: 214723
Ion Ratio Lower Upper
117 100
82 49.6 40.6 60.8
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Tgt Ion:152 Resp: 106107
Ion Ratio Lower Upper
152 100
115 52.4 38.7 116.1
150 155.3 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 10.969 min Scan# 1

Delta R.T. 0.005 min

Lab File: VX033888.D

Acq: 25 Jan 2023 15:25

Instrument :

MSVOA_X

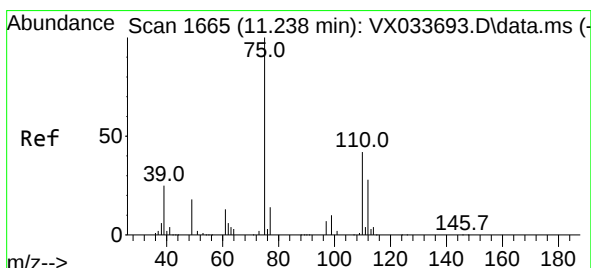
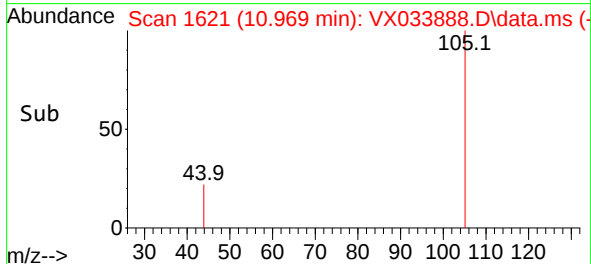
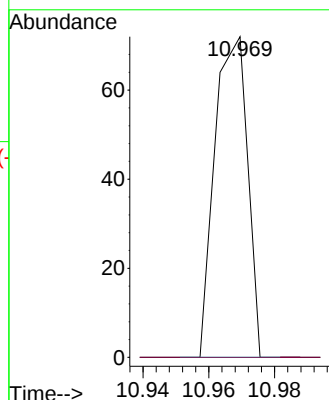
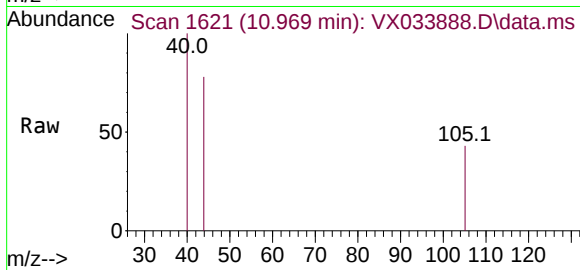
ClientSampleId :

Tgt Ion:105 Resp: 50

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 22.778 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033888.D

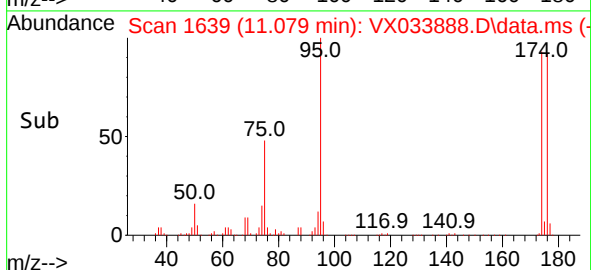
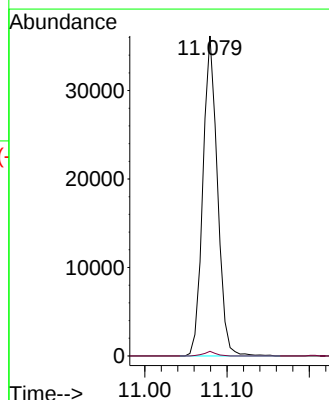
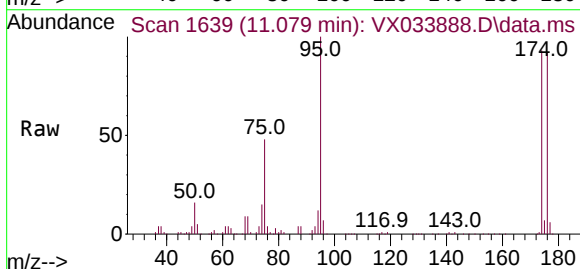
Acq: 25 Jan 2023 15:25

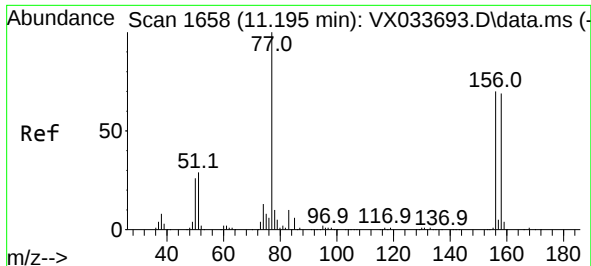
Tgt Ion: 75 Resp: 44407

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#

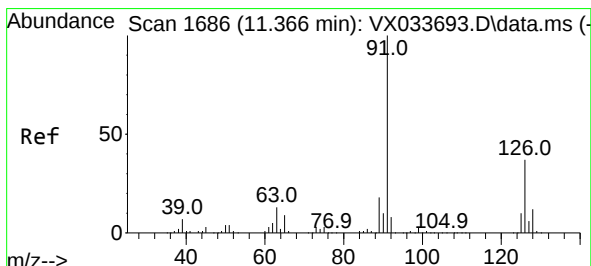
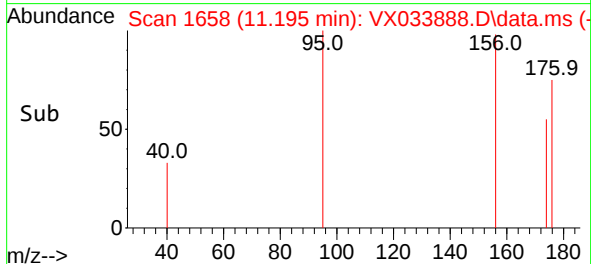
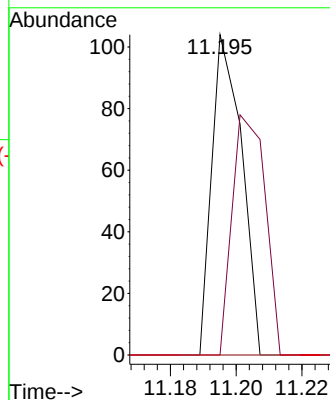
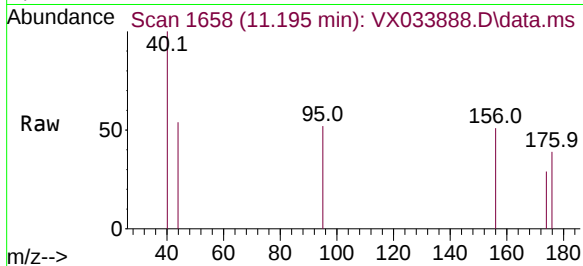




#77
Bromobenzene
Concen: Below Cal
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

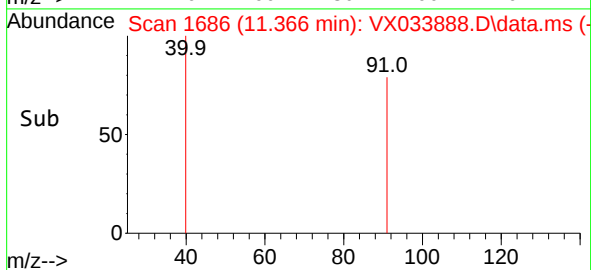
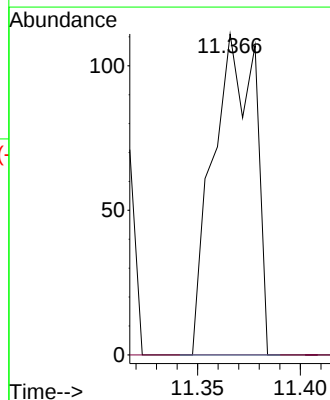
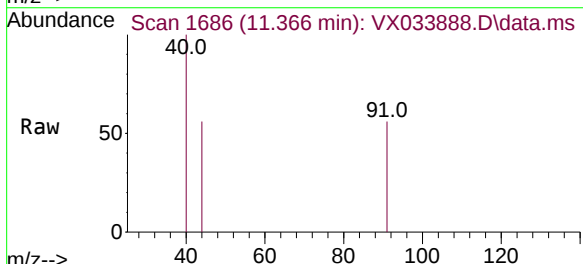
Instrument :
MSVOA_X
ClientSampleId :

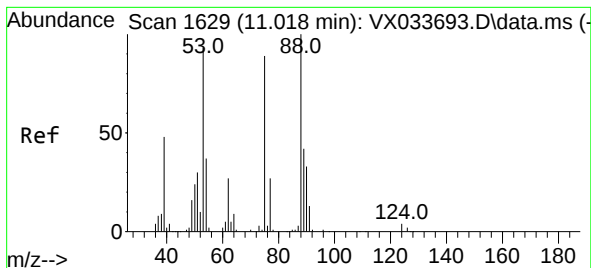
Tgt Ion:156 Resp: 65
Ion Ratio Lower Upper
156 100
77 83.1 68.1 204.3
158 0.0 48.0 144.2#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

Tgt Ion: 91 Resp: 158
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

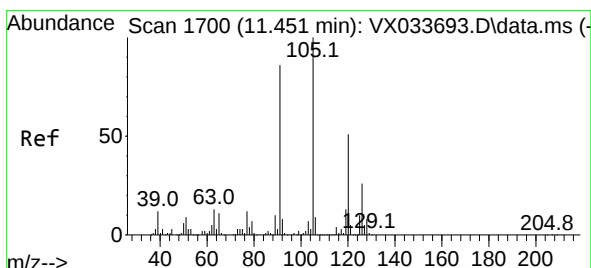
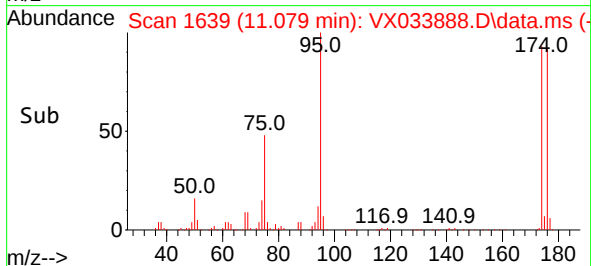
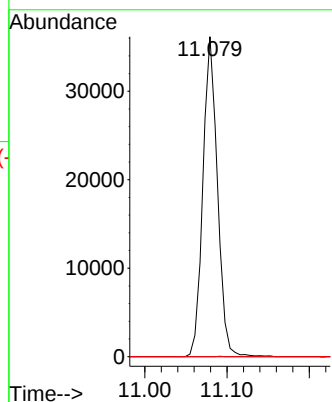
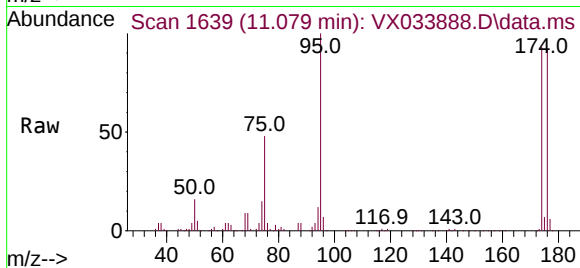




#81
trans-1,4-Dichloro-2-butene
Concen: 70.791 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

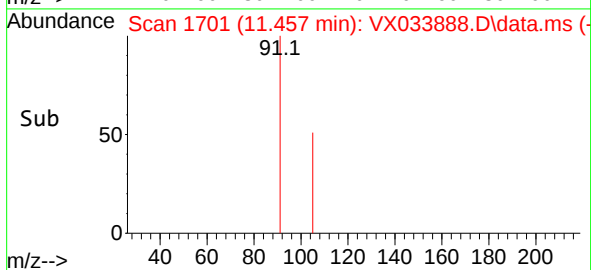
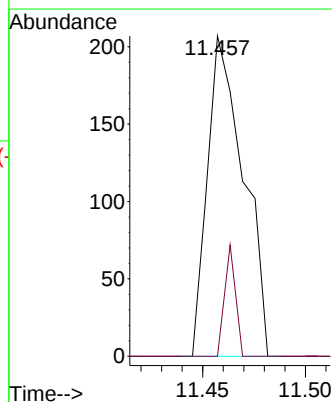
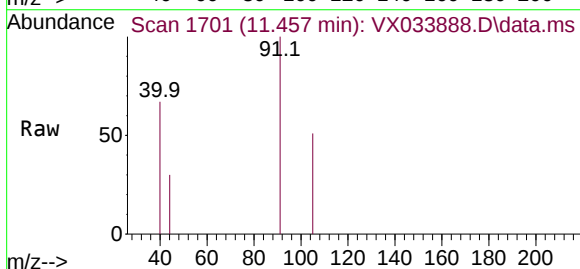
Instrument :
MSVOA_X
ClientSampleId :

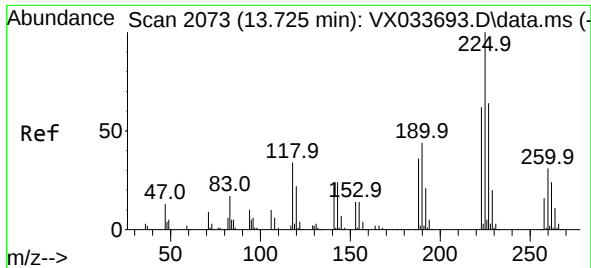
Tgt Ion: 75 Resp: 44407
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.1 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033888.D
Acq: 25 Jan 2023 15:25

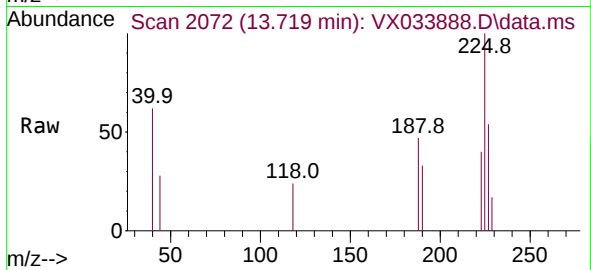
Tgt Ion: 91 Resp: 252
Ion Ratio Lower Upper
91 100
126 10.3 15.8 47.4#





#94
 Hexachlorobutadiene
 Concen: 0.336 ug/l
 RT: 13.719 min Scan# 2072
 Delta R.T. -0.006 min
 Lab File: VX033888.D
 Acq: 25 Jan 2023 15:25

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	225	Resp:	383
Ion	Ratio	Lower	Upper
225	100		
223	43.1	31.3	93.9
227	55.6	32.3	96.9

