

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025489.D
 Acq On : 03 Dec 2021 17:53
 Operator : JC/MD
 Sample : M4924-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 04 06:52:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

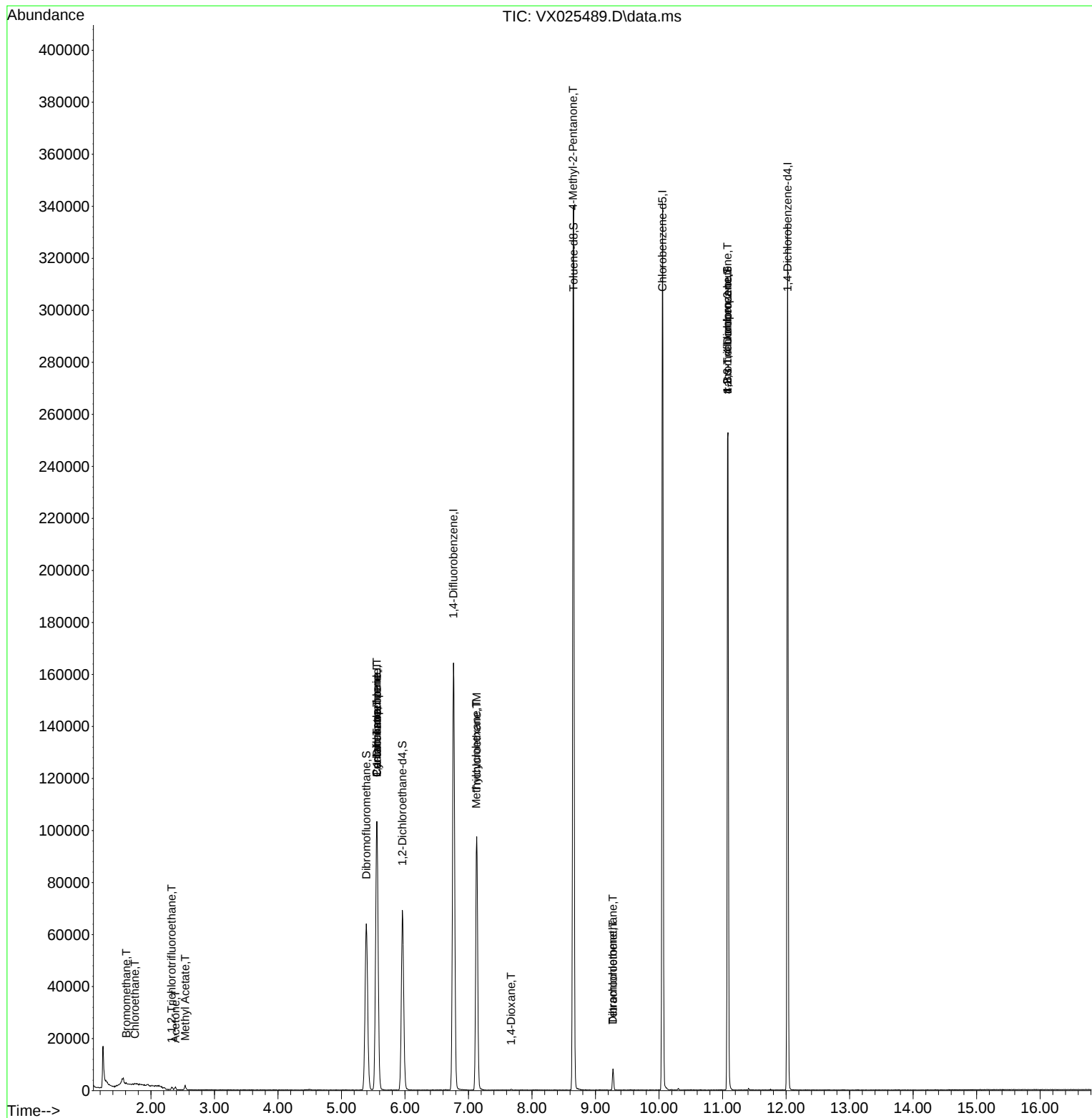
Internal Standards						
1) Pentafluorobenzene	5.556	168	103305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176437	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62864	57.731	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.460%
35) Dibromofluoromethane	5.391	113	54685	50.515	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.020%
50) Toluene-d8	8.653	98	204089	50.141	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.280%
62) 4-Bromofluorobenzene	11.079	95	70535	45.807	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.620%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	116	0.222	ug/l #	79
6) Chloroethane	1.745	64	392	0.467	ug/l #	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	430	0.447	ug/l	91
11) Tert butyl alcohol	2.946	59	49	Below Cal	#	72
16) Acetone	2.386	43	1102	1.821	ug/l #	84
18) Methyl Acetate	2.538	43	399	0.206	ug/l #	52
31) Cyclohexane	5.556	56	1962	1.166	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7003	4.549	ug/l #	51
38) Carbon Tetrachloride	5.556	117	10105	5.960	ug/l #	17
39) Methylcyclohexane	7.123	83	427	0.216	ug/l #	1
44) Trichloroethene	7.129	130	40177	29.659	ug/l	92
49) 1,4-Dioxane	7.671	88	252	8.724	ug/l #	72
51) 4-Methyl-2-Pentanone	8.647	43	911	0.498	ug/l #	1
60) Dibromochloromethane	9.275	129	1441	1.035	ug/l #	11
64) Tetrachloroethene	9.275	164	1519	1.159	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	34557	24.169	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34557	60.885	ug/l #	9
95) Naphthalene	13.780	128	50	Below Cal	#	69

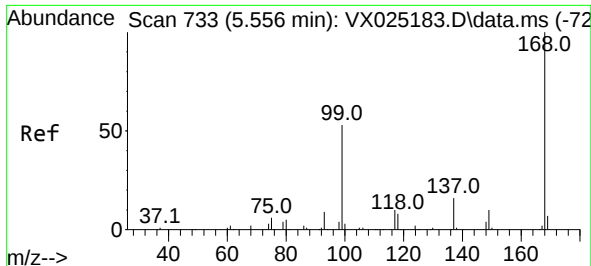
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 17 15:36:16 2021
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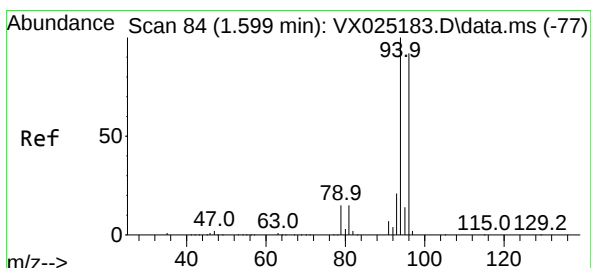
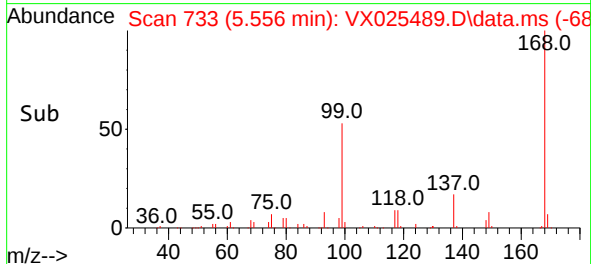
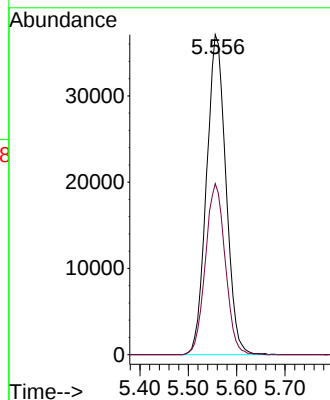
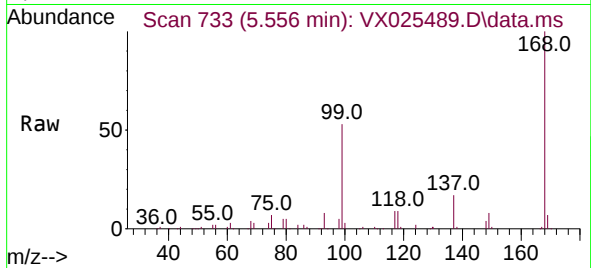




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

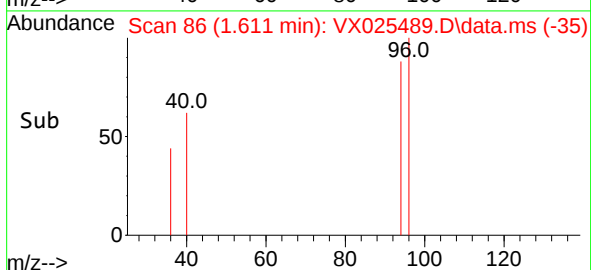
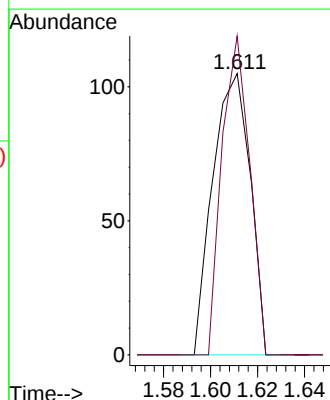
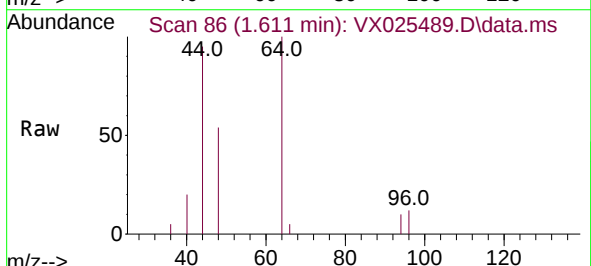
Instrument :
MSVOA_X
ClientSampleId :

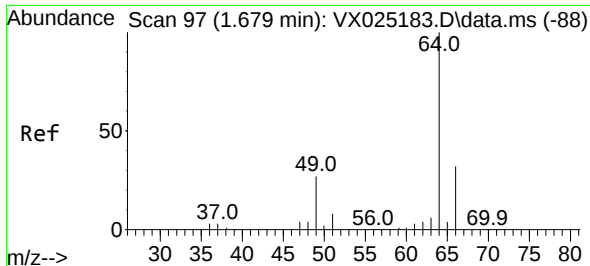
Tgt Ion:168 Resp: 103305
Ion Ratio Lower Upper
168 100
99 53.5 46.4 69.6



#5
Bromomethane
Concen: 0.222 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

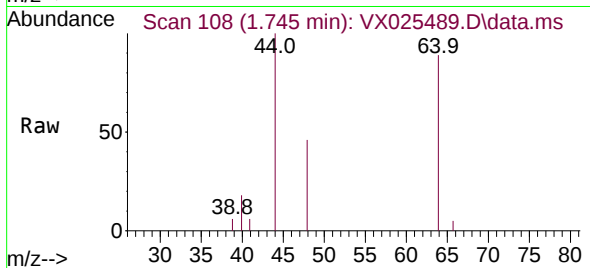
Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 113.3 74.8 112.2#



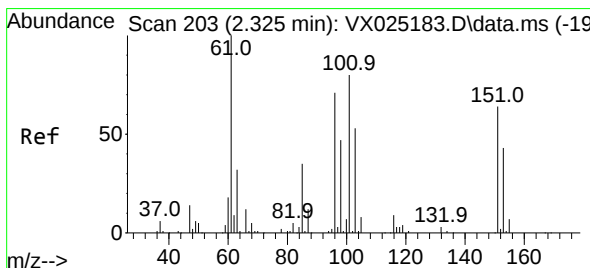
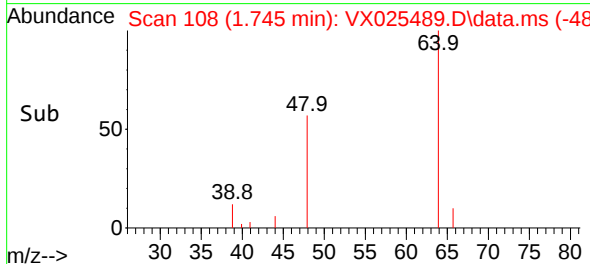
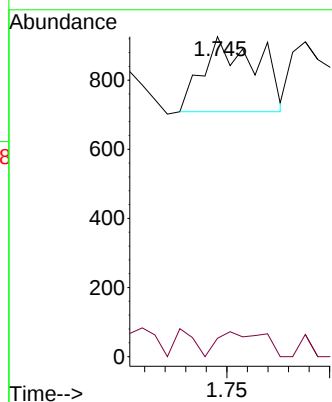


#6
Chloroethane
Concen: 0.467 ug/l
RT: 1.745 min Scan# 10
Delta R.T. 0.066 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Instrument :
MSVOA_X
ClientSampleId :

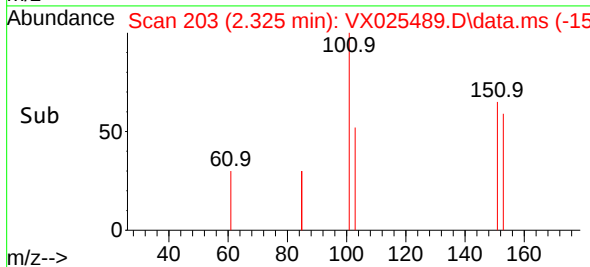
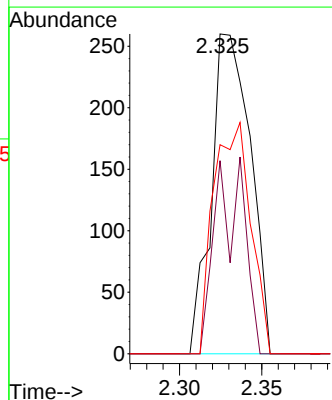
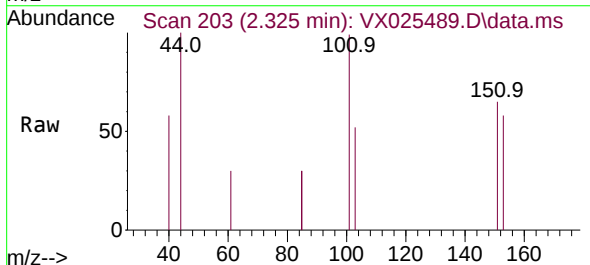


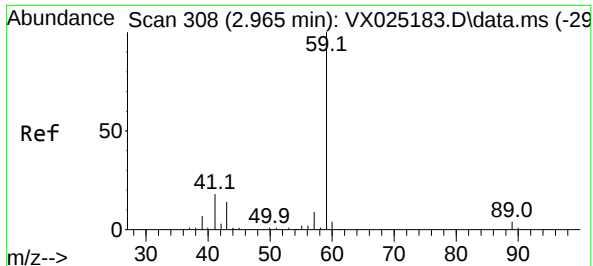
Tgt Ion: 64 Resp: 392
Ion Ratio Lower Upper
64 100
66 24.4 25.6 38.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.447 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Tgt Ion: 101 Resp: 430
Ion Ratio Lower Upper
101 100
85 44.7 35.9 53.9
151 68.8 64.4 96.6





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 308

Delta R.T. -0.019 min

Lab File: VX025489.D

Acq: 03 Dec 2021 17:53

Instrument :

MSVOA_X

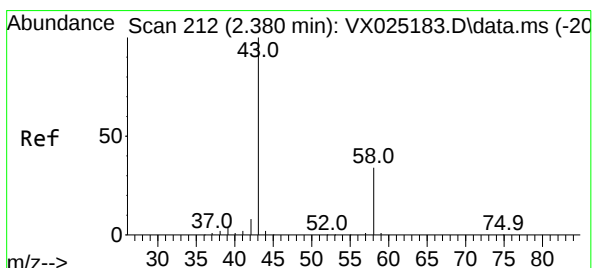
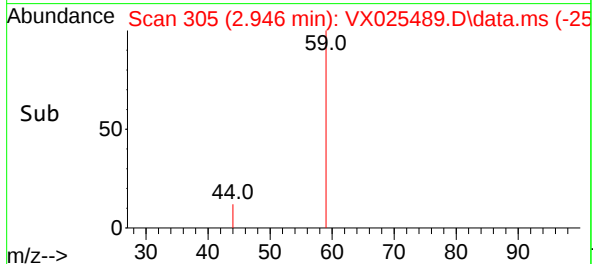
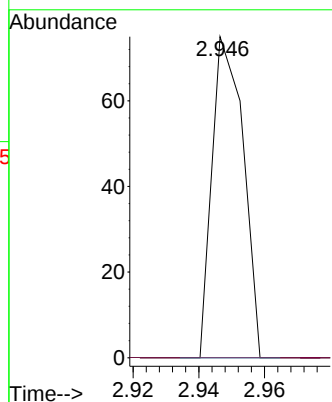
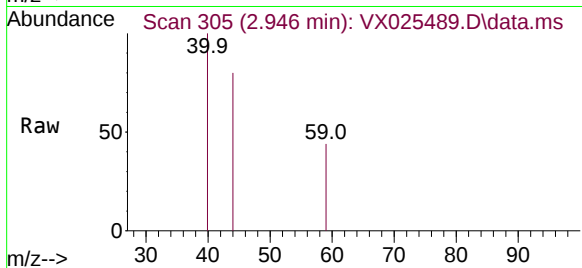
ClientSampleId :

Tgt Ion: 59 Resp: 49

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 1.821 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025489.D

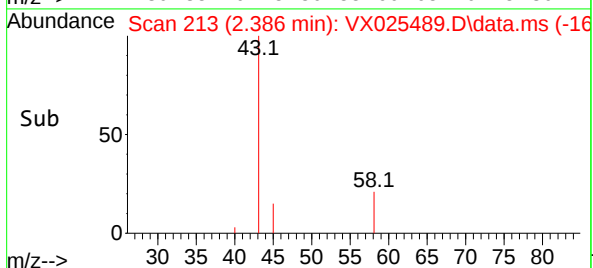
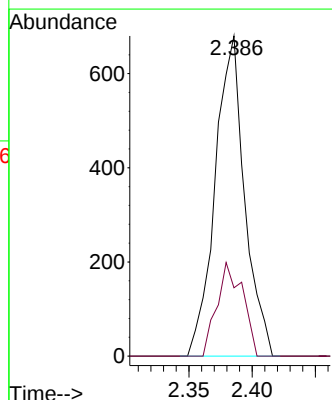
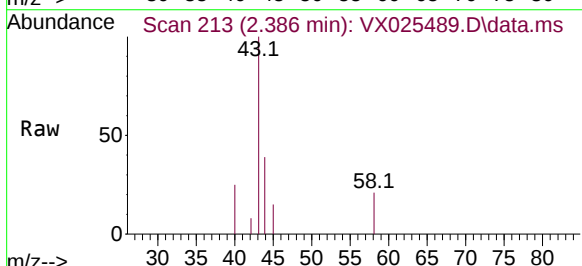
Acq: 03 Dec 2021 17:53

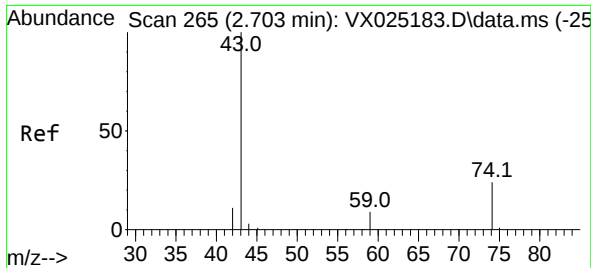
Tgt Ion: 43 Resp: 1102

Ion Ratio Lower Upper

43 100

58 21.3 24.0 36.0#

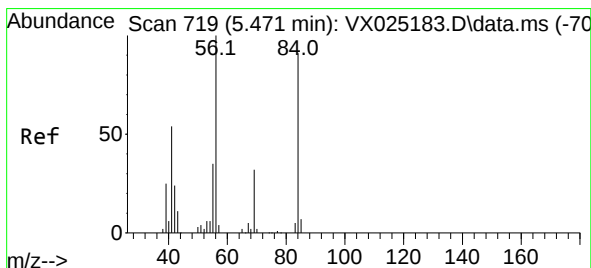
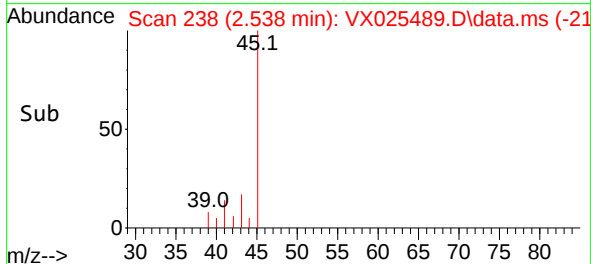
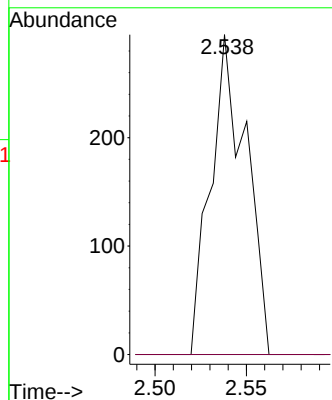
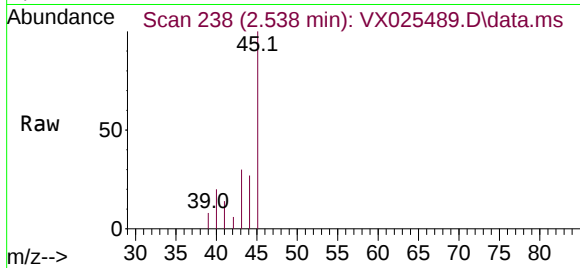




#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.165 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

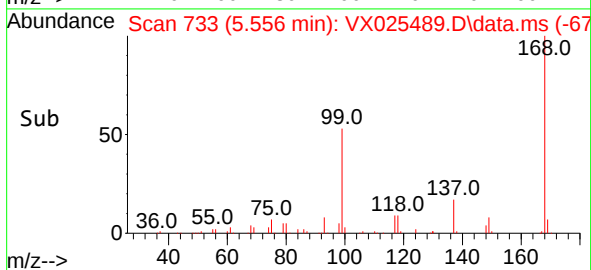
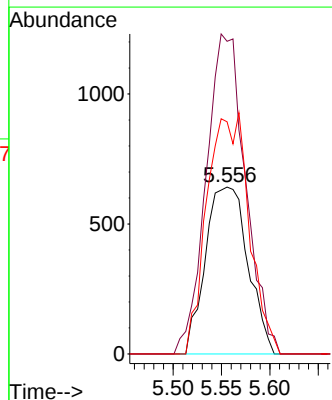
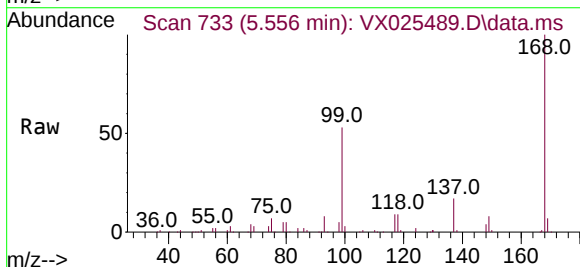
Instrument :
MSVOA_X
ClientSampleId :

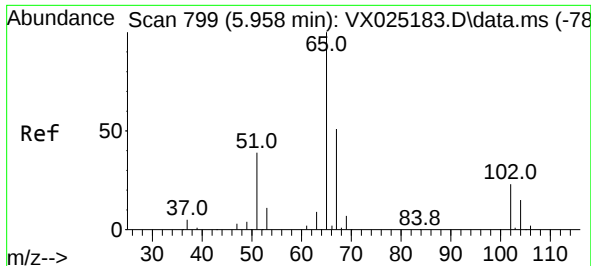
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Tgt Ion: 56 Resp: 1962
Ion Ratio Lower Upper
56 100
69 187.4 24.2 36.2#
84 139.1 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 57.731 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025489.D

Acq: 03 Dec 2021 17:53

Instrument :

MSVOA_X

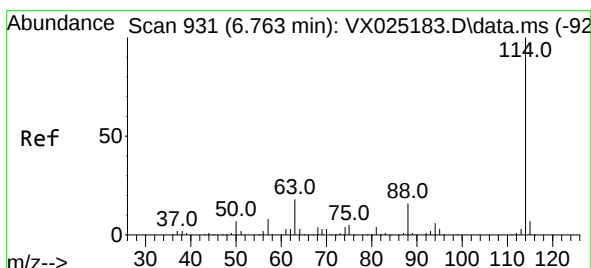
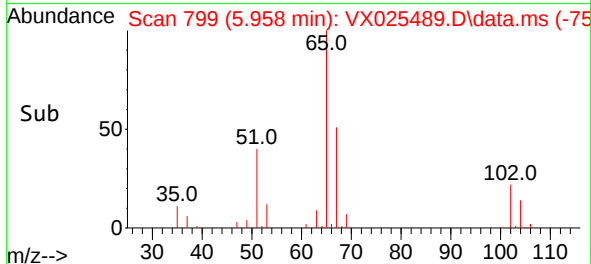
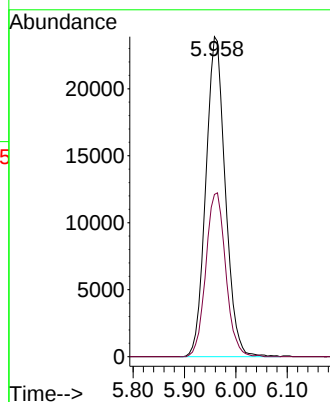
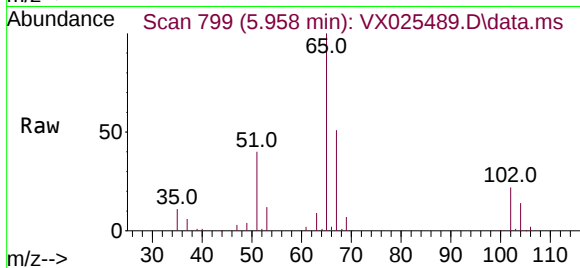
ClientSampleId :

Tgt Ion: 65 Resp: 62864

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025489.D

Acq: 03 Dec 2021 17:53

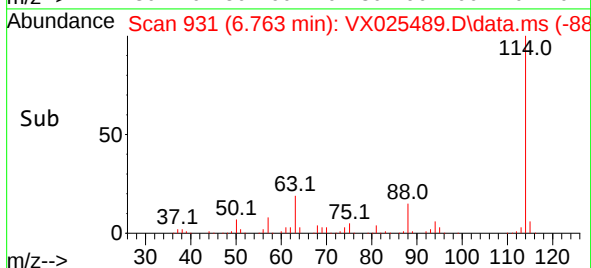
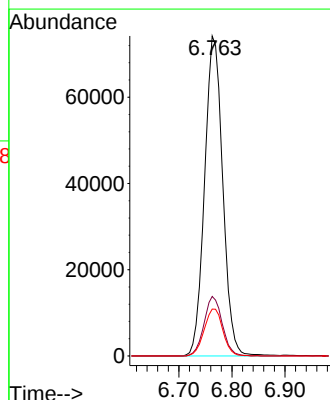
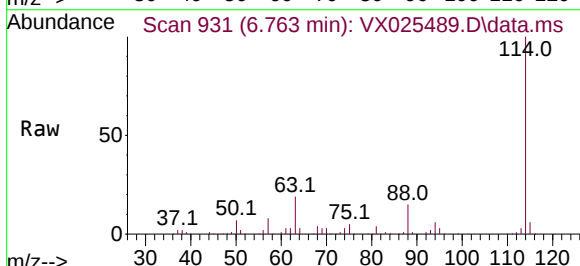
Tgt Ion: 114 Resp: 176437

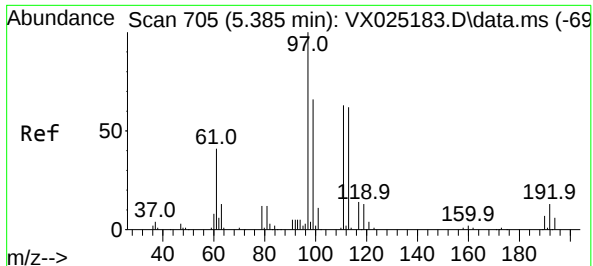
Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.0

88 14.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.515 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

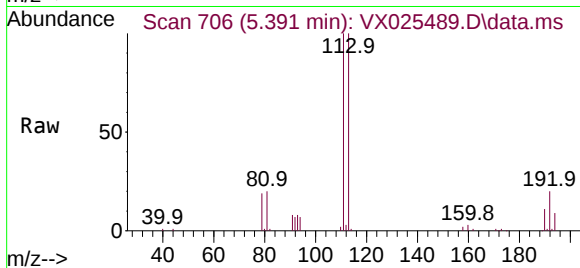
Lab File: VX025489.D

Acq: 03 Dec 2021 17:53

Instrument :

MSVOA_X

ClientSampleId :



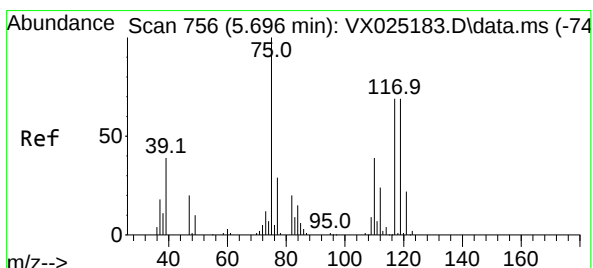
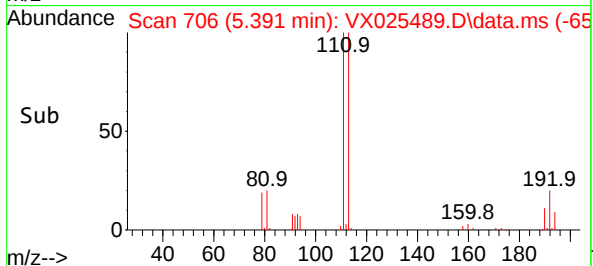
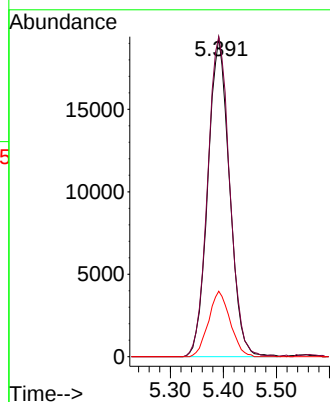
Tgt Ion:113 Resp: 54685

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 20.5 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.549 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025489.D

Acq: 03 Dec 2021 17:53

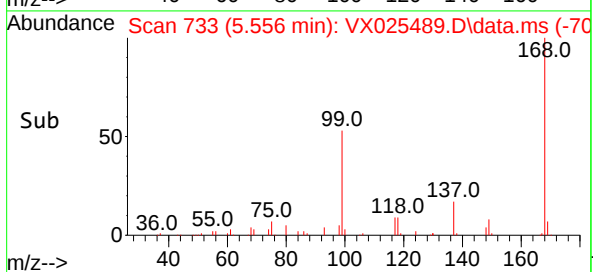
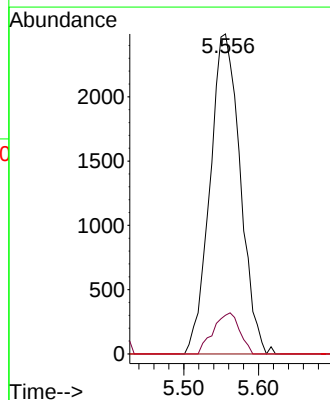
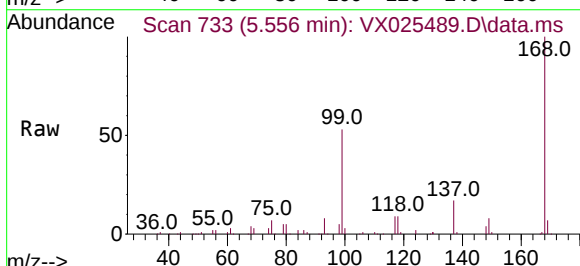
Tgt Ion: 75 Resp: 7003

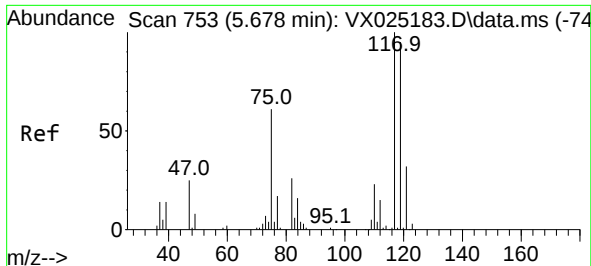
Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.3#

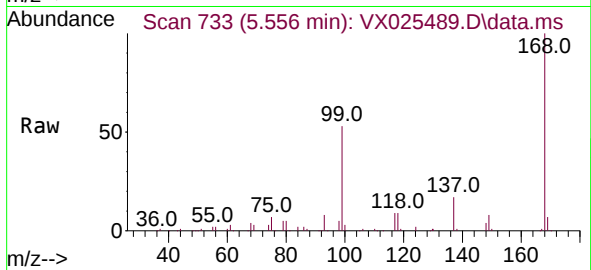
77 0.0 24.4 36.6#



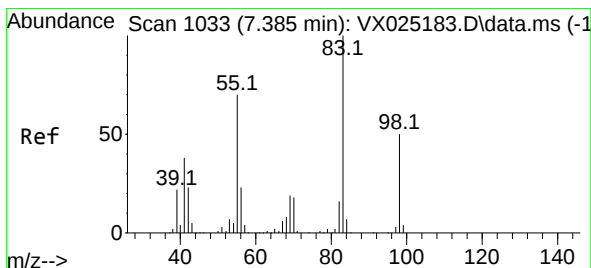
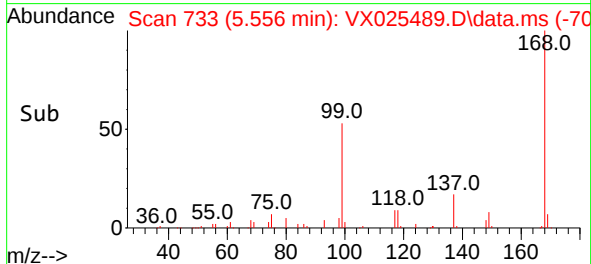
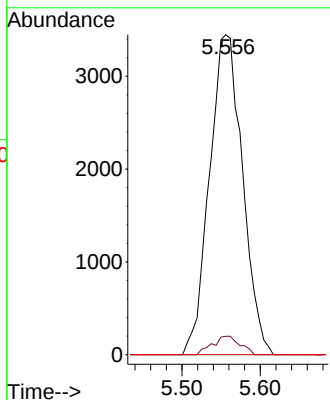


#38
Carbon Tetrachloride
Concen: 5.960 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Instrument :
MSVOA_X
ClientSampleId :

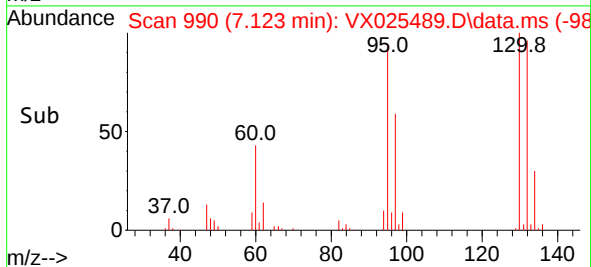
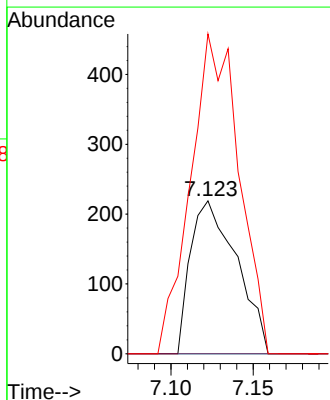
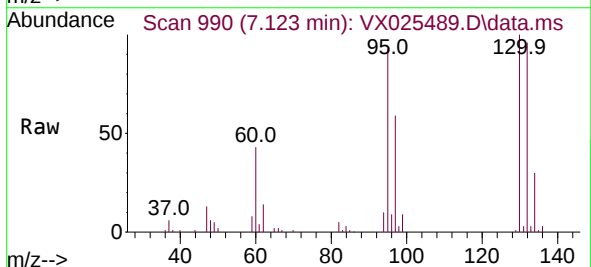


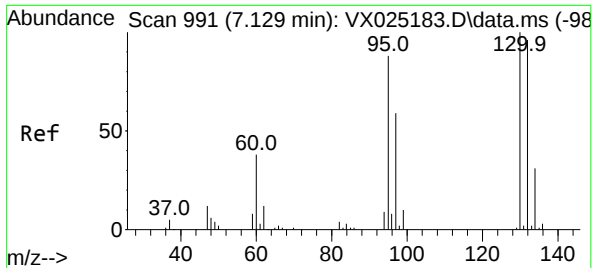
Tgt Ion:117 Resp: 10105
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 0.216 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Tgt Ion: 83 Resp: 427
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 209.1 37.0 55.4#

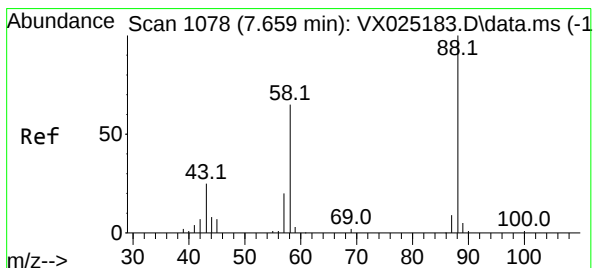
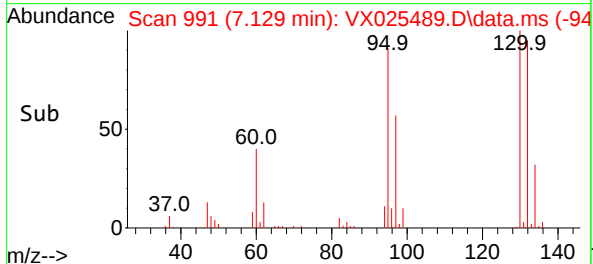
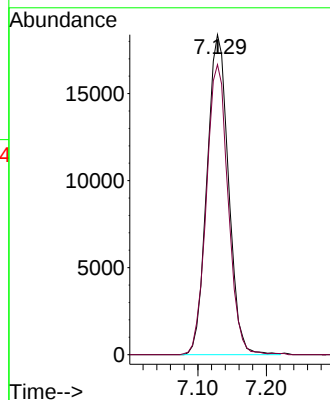
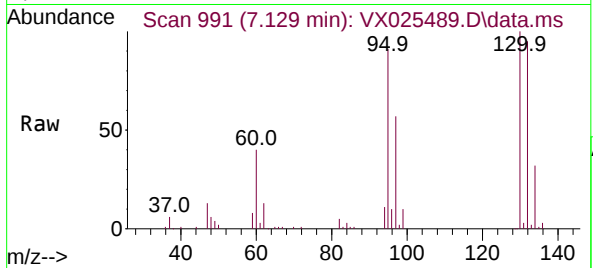




#44
Trichloroethene
Concen: 29.659 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

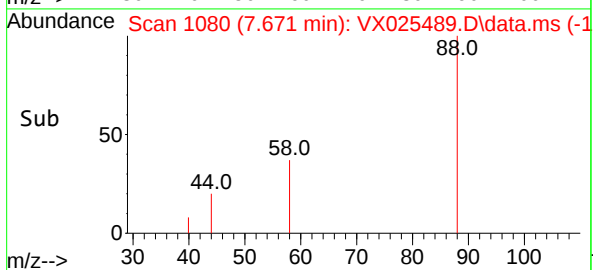
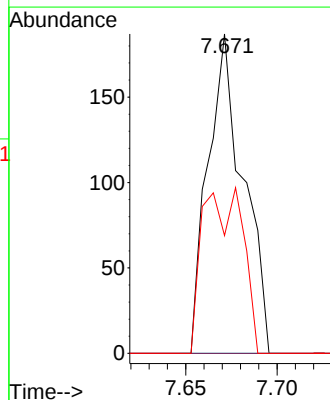
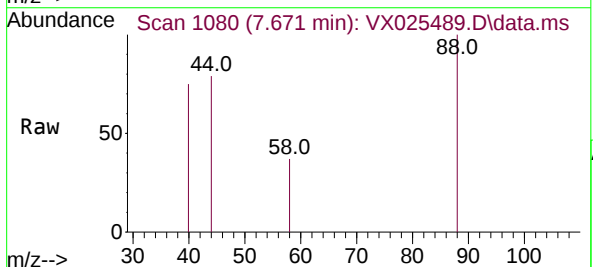
Instrument :
MSVOA_X
ClientSampleId :

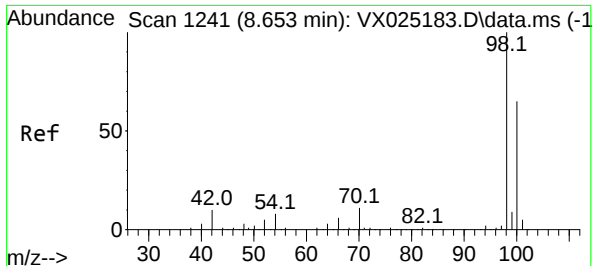
Tgt Ion:130 Resp: 40177
Ion Ratio Lower Upper
130 100
95 90.6 0.0 196.8



#49
1,4-Dioxane
Concen: 8.724 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Tgt Ion: 88 Resp: 252
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.6#
58 58.7 55.2 82.8





#50

Toluene-d8

Concen: 50.141 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025489.D

Acq: 03 Dec 2021 17:53

Instrument :

MSVOA_X

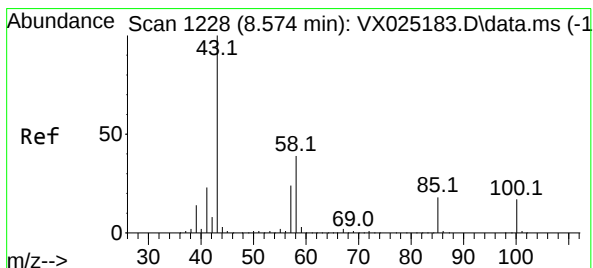
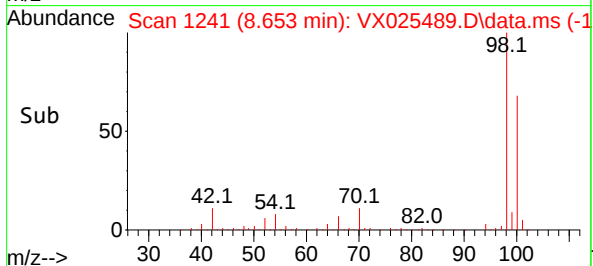
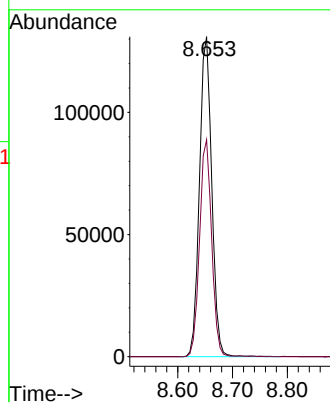
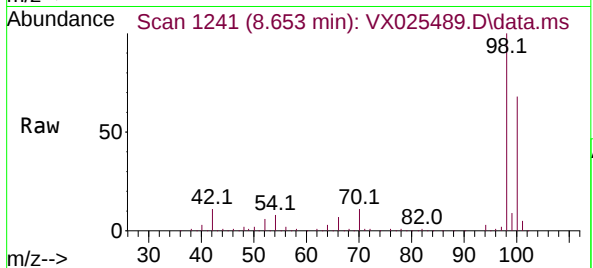
ClientSampleId :

Tgt Ion: 98 Resp: 204089

Ion Ratio Lower Upper

98 100

100 66.6 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.498 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025489.D

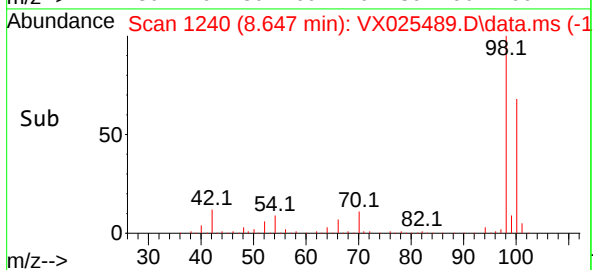
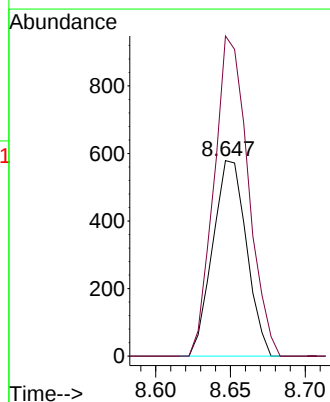
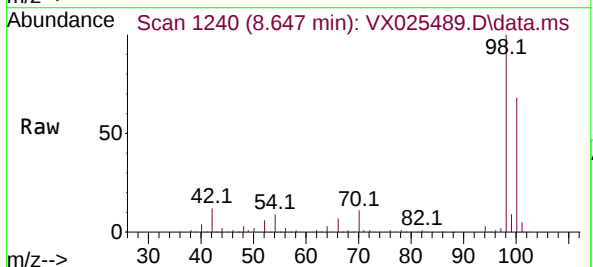
Acq: 03 Dec 2021 17:53

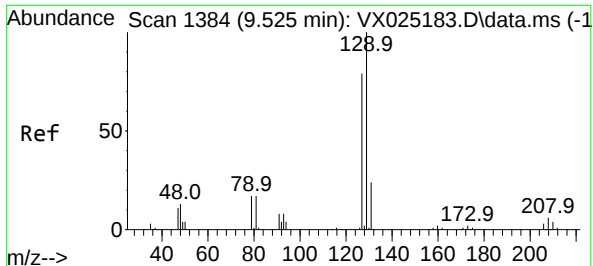
Tgt Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

58 165.3 30.9 46.3#





#60

Dibromochloromethane

Concen: 1.035 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX025489.D

Acq: 03 Dec 2021 17:53

Instrument :

MSVOA_X

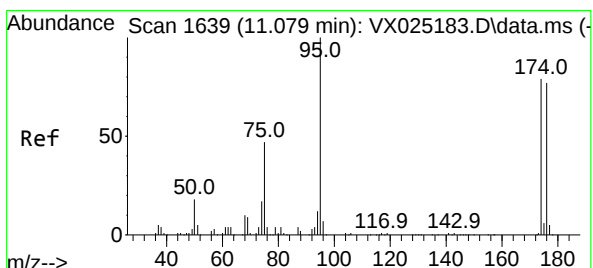
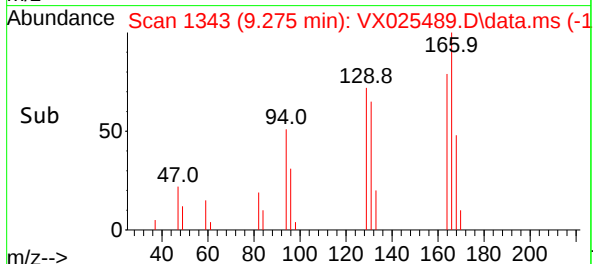
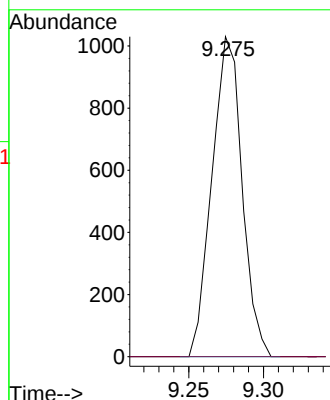
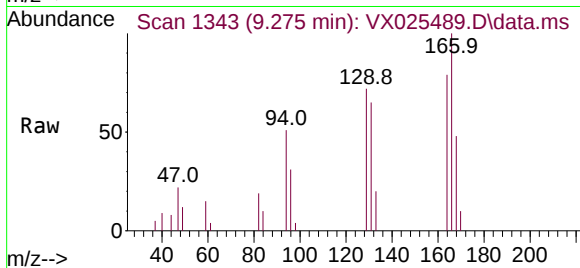
ClientSampleId :

Tgt Ion:129 Resp: 1441

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 45.807 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX025489.D

Acq: 03 Dec 2021 17:53

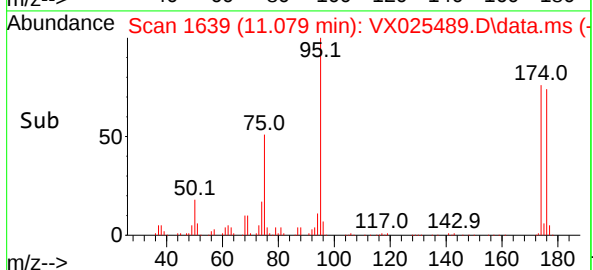
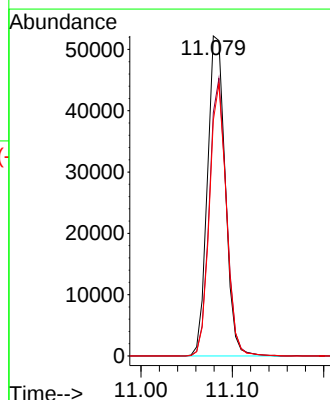
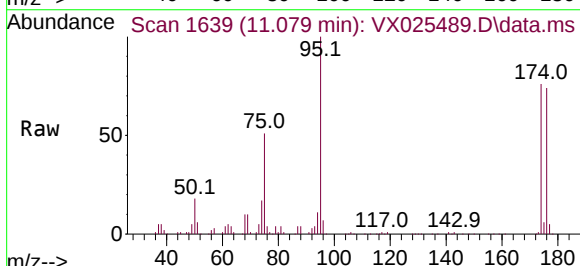
Tgt Ion: 95 Resp: 70535

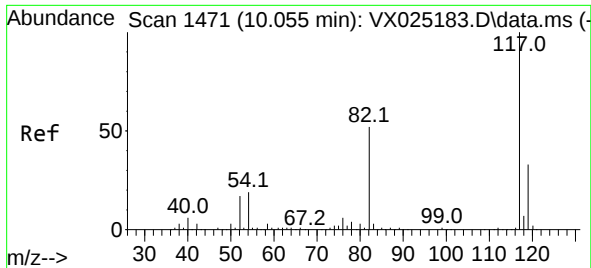
Ion Ratio Lower Upper

95 100

174 83.2 0.0 158.0

176 81.0 0.0 153.6

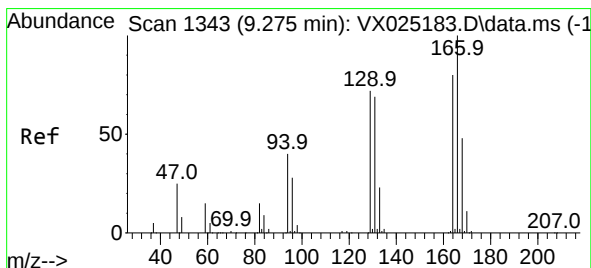
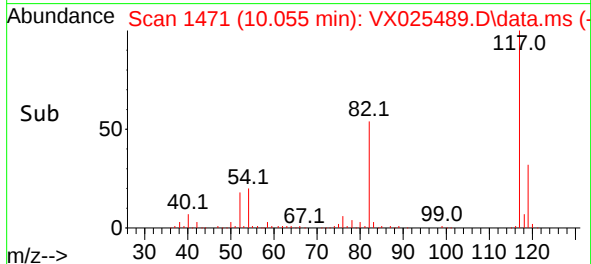
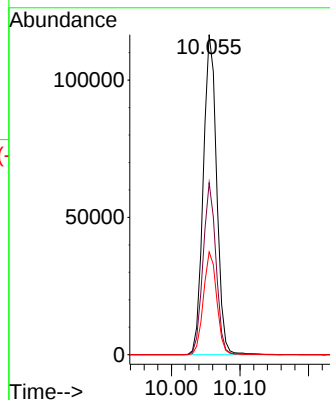
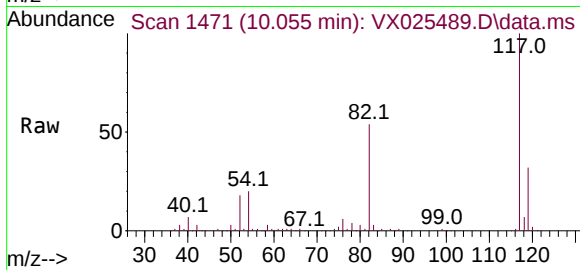




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

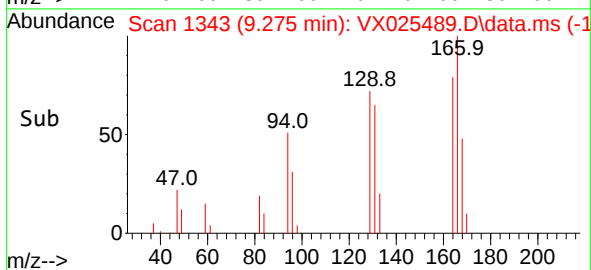
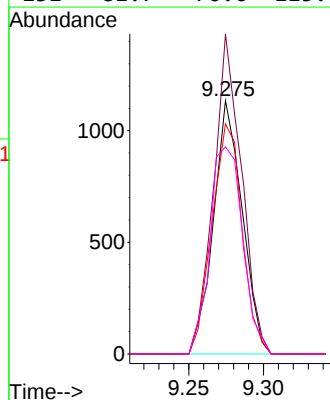
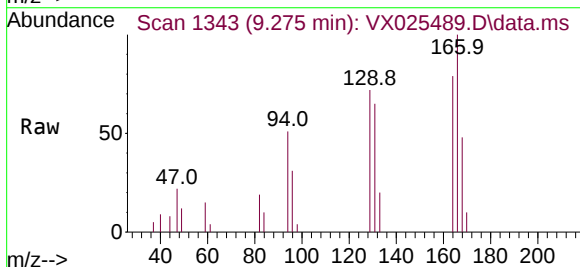
Instrument :
MSVOA_X
ClientSampleId :

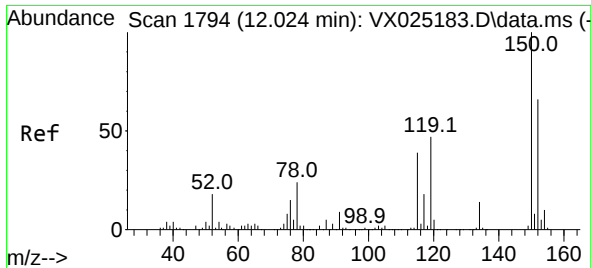
Tgt Ion:117 Resp: 158924
Ion Ratio Lower Upper
117 100
82 53.8 44.6 67.0
119 32.1 24.8 37.2



#64
Tetrachloroethene
Concen: 1.159 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Tgt Ion:164 Resp: 1519
Ion Ratio Lower Upper
164 100
166 126.4 103.2 154.8
129 90.8 81.0 121.4
131 81.7 76.6 115.0

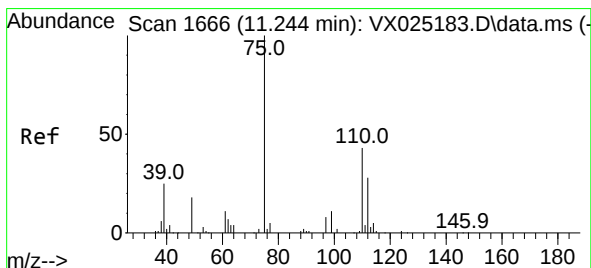
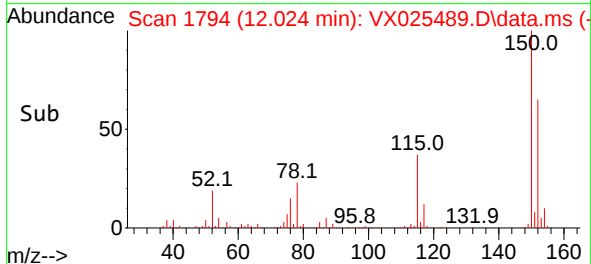
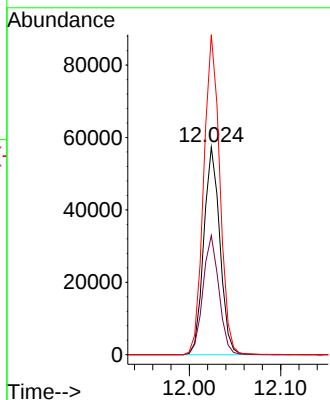
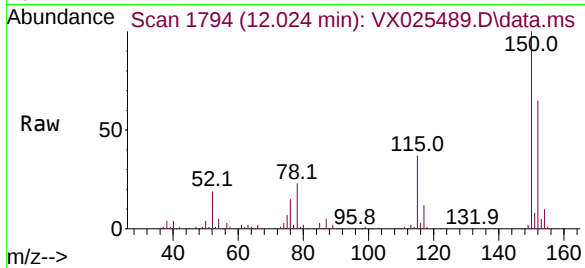




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025489.D
 Acq: 03 Dec 2021 17:53

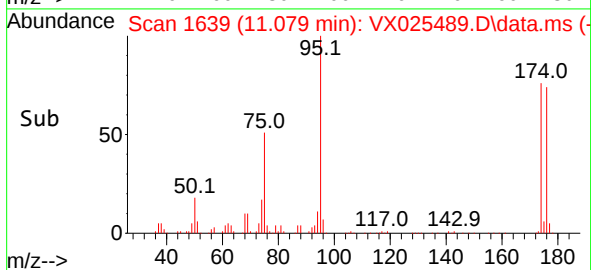
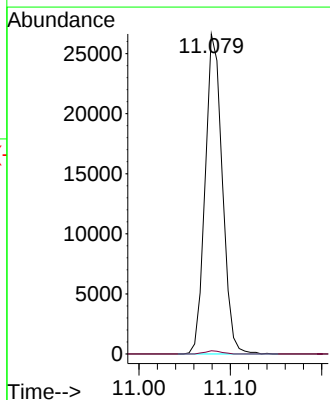
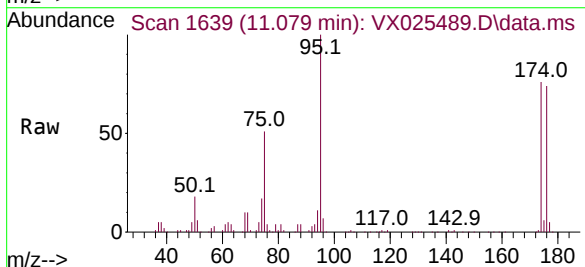
Instrument :
 MSVOA_X
 ClientSampleId :

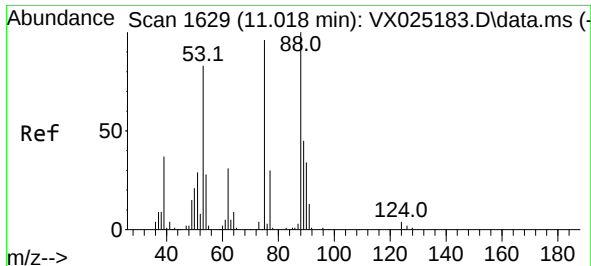
Tgt Ion:152 Resp: 69823
 Ion Ratio Lower Upper
 152 100
 115 57.0 43.3 129.8
 150 154.7 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 24.169 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025489.D
 Acq: 03 Dec 2021 17:53

Tgt Ion: 75 Resp: 34557
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#

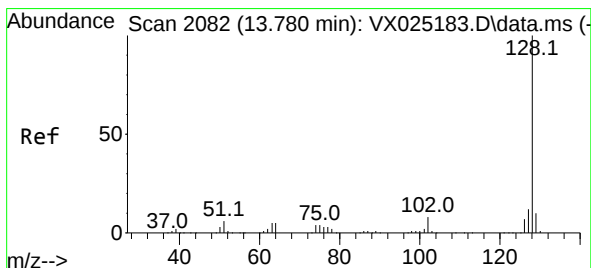
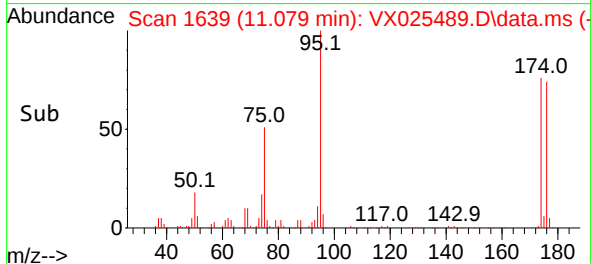
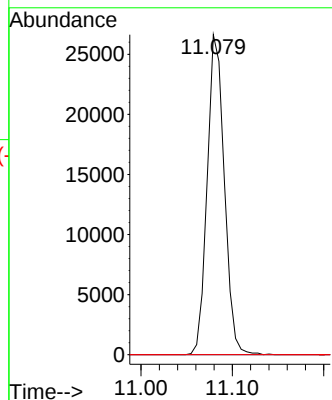
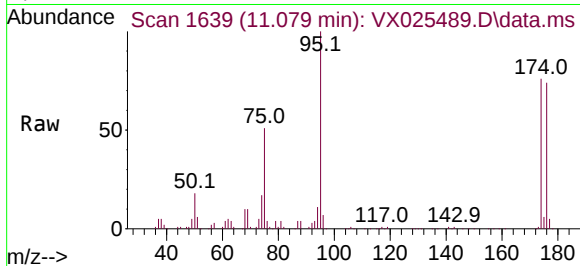




#81
trans-1,4-Dichloro-2-butene
Concen: 60.885 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 34557
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025489.D
Acq: 03 Dec 2021 17:53

Tgt Ion: 128 Resp: 50
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

