

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025891.D
 Acq On : 17 Dec 2021 17:27
 Operator : JC/MD
 Sample : M5155-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 02:32:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

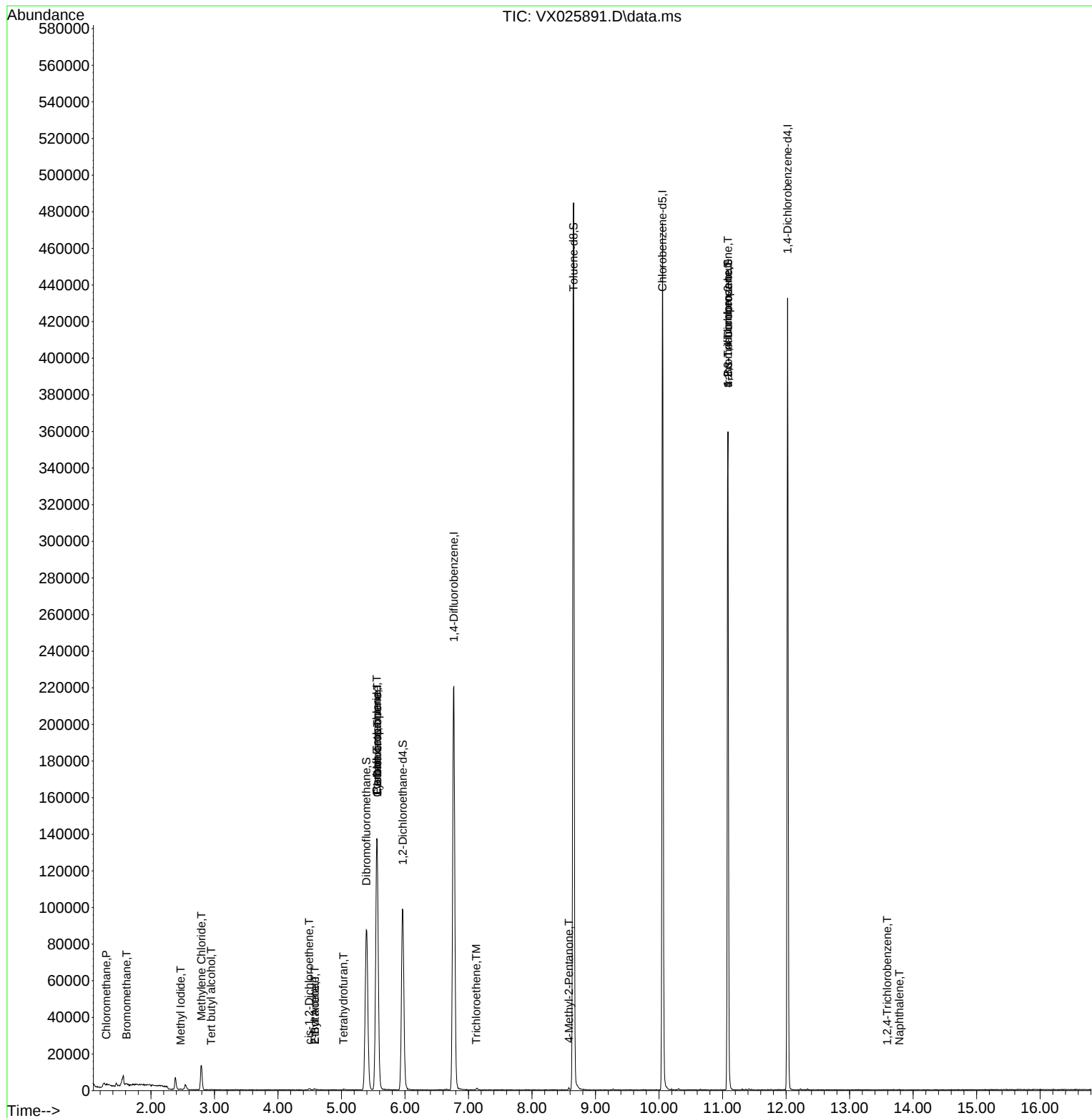
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	125151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	226223	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96739	53.723	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.440%
35) Dibromofluoromethane	5.391	113	77143	48.896	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.800%
50) Toluene-d8	8.653	98	282768	49.191	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.085	95	97605	44.699	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.400%
Target Compounds						Qvalue
3) Chloromethane	1.294	50	373	0.256	ug/l #	83
5) Bromomethane	1.617	94	493	0.445	ug/l	92
10) Methyl Iodide	2.465	142	487	0.287	ug/l #	87
11) Tert butyl alcohol	2.946	59	112	0.310	ug/l #	73
16) Acetone	2.386	43	6885	Below Cal		97
20) Methylene Chloride	2.794	84	5688	1.339	ug/l	98
25) 2-Butanone	4.580	43	1224	1.011	ug/l #	80
27) cis-1,2-Dichloroethene	4.489	96	435	0.248	ug/l	86
29) Tetrahydrofuran	5.031	42	209	0.271	ug/l #	39
31) Cyclohexane	5.562	56	3158	1.442	ug/l #	38
36) 1,1-Dichloropropene	5.562	75	10670	4.987	ug/l #	49
37) Ethyl Acetate	4.580	43	1224	0.515	ug/l #	69
38) Carbon Tetrachloride	5.556	117	13846	5.562	ug/l #	15
44) Trichloroethene	7.122	130	447	0.252	ug/l	63
51) 4-Methyl-2-Pentanone	8.580	43	547	0.218	ug/l #	73
76) 1,2,3-Trichloropropane	11.085	75	50701	26.503	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50701	82.165	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.591	180	60	3.404	ug/l #	65
95) Naphthalene	13.786	128	229	2.450	ug/l #	69

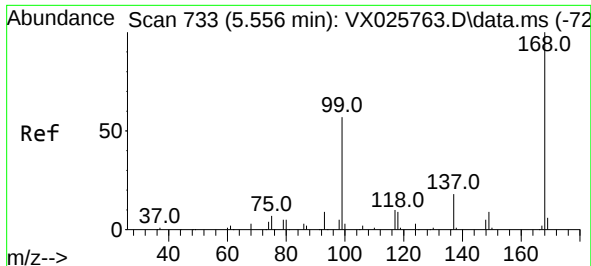
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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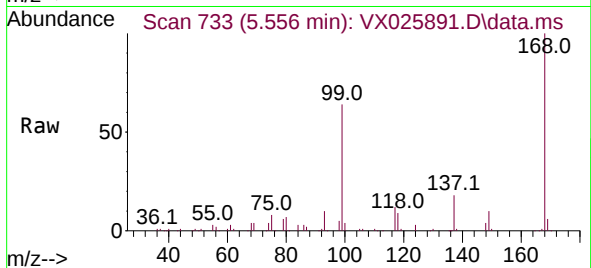
Quant Time: Dec 19 02:32:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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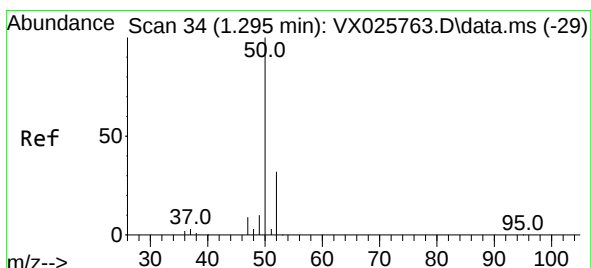
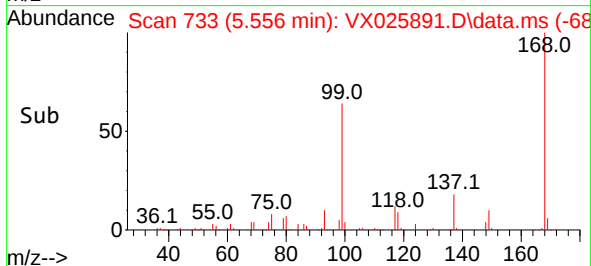
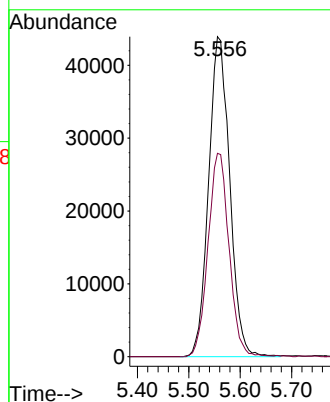


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Instrument :
MSVOA_X
ClientSampleId :

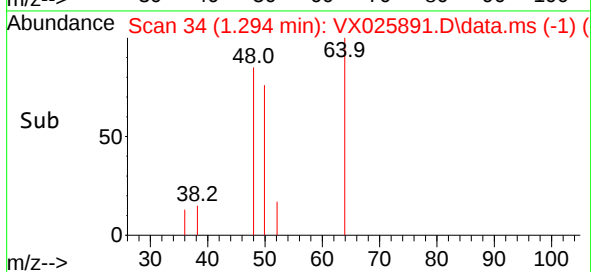
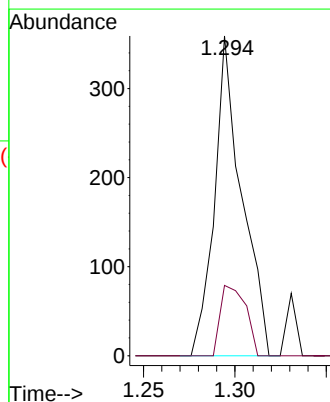
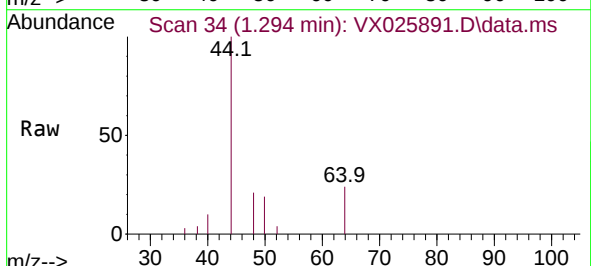


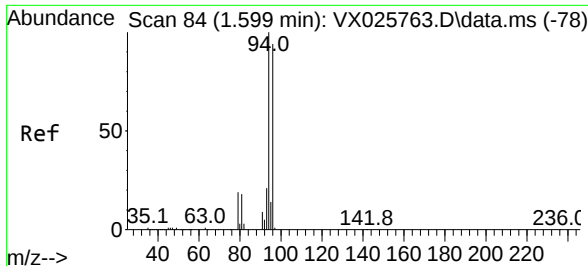
Tgt Ion:168 Resp: 125151
Ion Ratio Lower Upper
168 100
99 63.5 45.8 68.8



#3
Chloromethane
Concen: 0.256 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Tgt Ion: 50 Resp: 373
Ion Ratio Lower Upper
50 100
52 22.0 25.4 38.0#

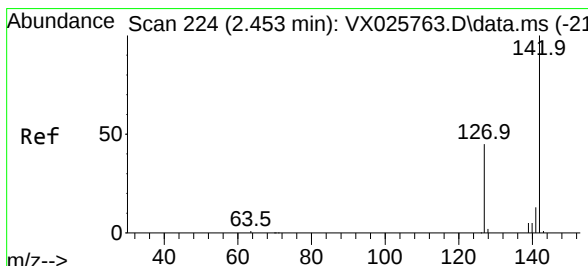
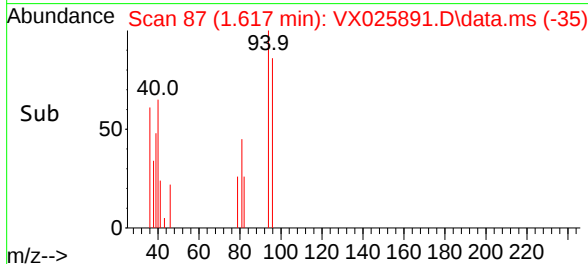
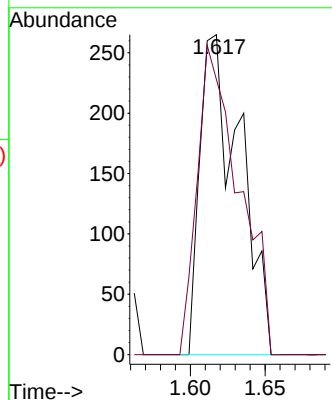
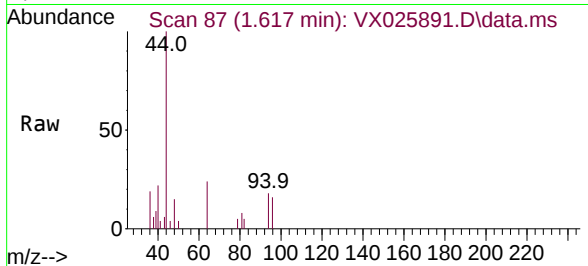




#5
Bromomethane
Concen: 0.445 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

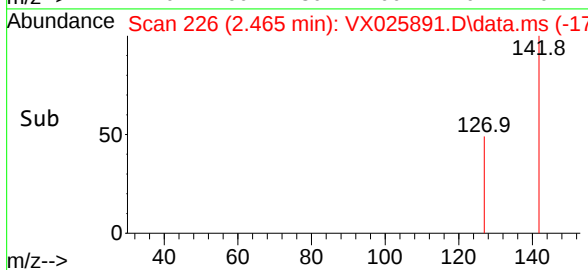
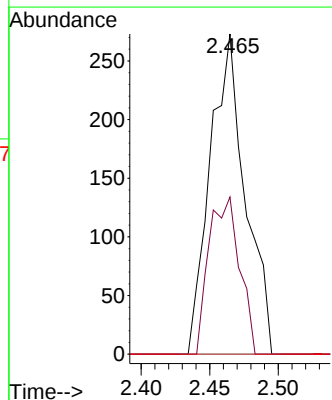
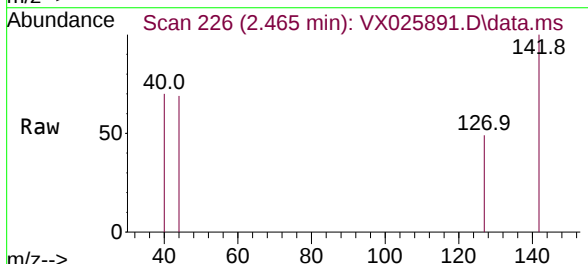
Instrument :
MSVOA_X
ClientSampleId :

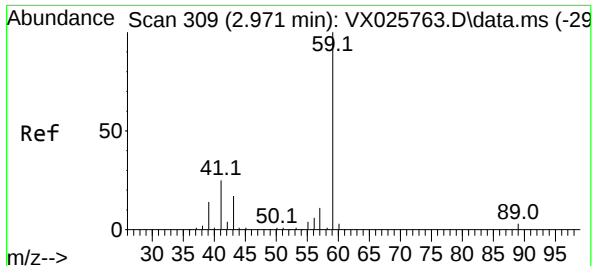
Tgt Ion: 94 Resp: 493
Ion Ratio Lower Upper
94 100
96 86.0 75.0 112.4



#10
Methyl Iodide
Concen: 0.287 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Tgt Ion: 142 Resp: 487
Ion Ratio Lower Upper
142 100
127 42.9 37.5 56.3
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 0.310 ug/l

RT: 2.946 min Scan# 309

Delta R.T. -0.025 min

Lab File: VX025891.D

Acq: 17 Dec 2021 17:27

Instrument :

MSVOA_X

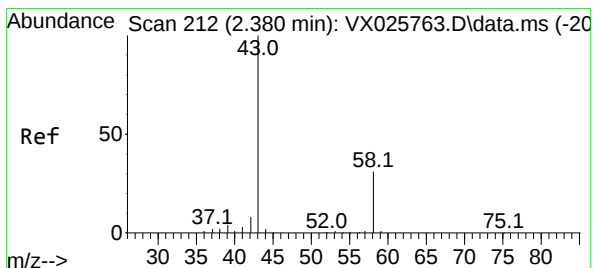
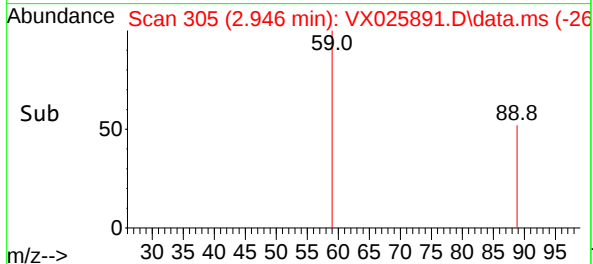
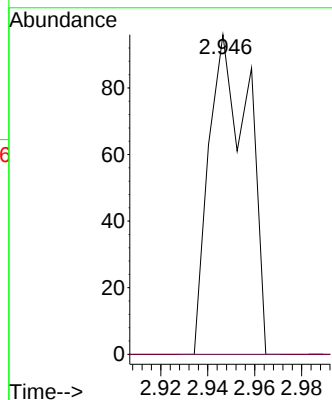
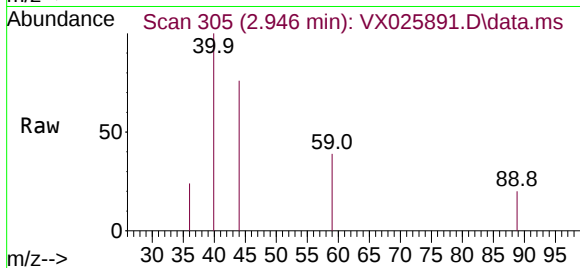
ClientSampleId :

Tgt Ion: 59 Resp: 112

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025891.D

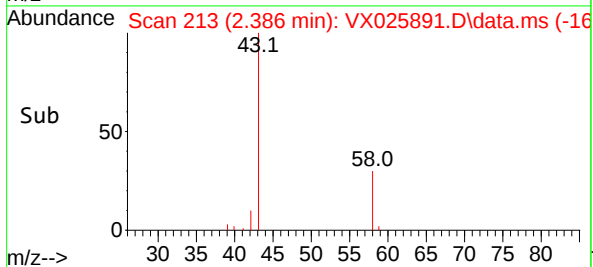
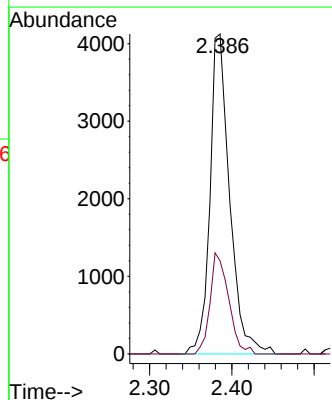
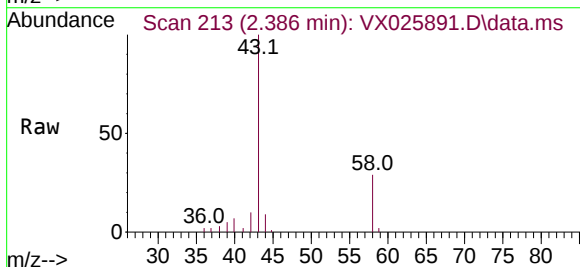
Acq: 17 Dec 2021 17:27

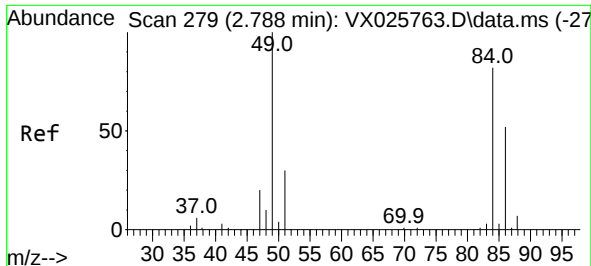
Tgt Ion: 43 Resp: 6885

Ion Ratio Lower Upper

43 100

58 29.1 24.8 37.2





#20

Methylene Chloride

Concen: 1.339 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX025891.D

Acq: 17 Dec 2021 17:27

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 5688

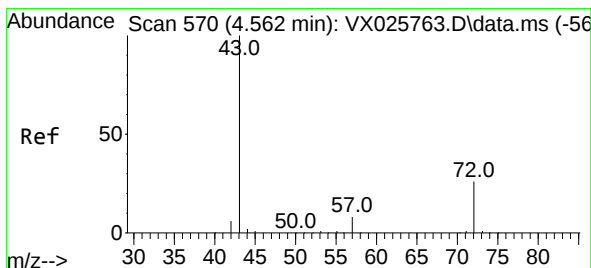
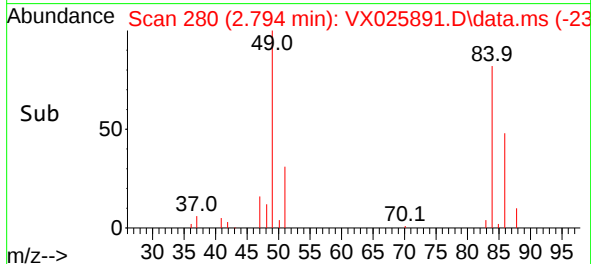
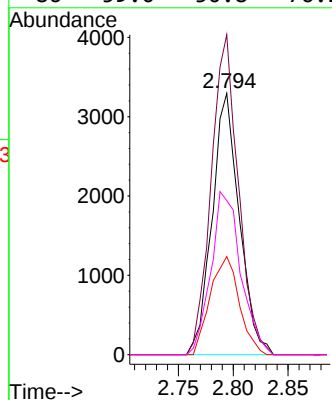
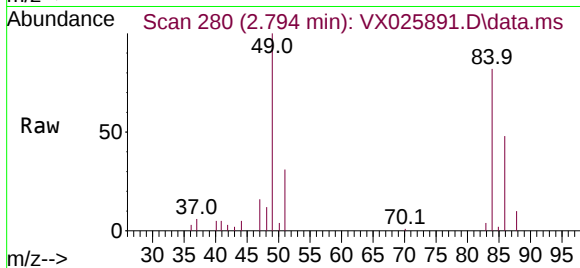
Ion Ratio Lower Upper

84 100

49 122.5 97.1 145.7

51 37.5 29.3 43.9

86 59.0 50.8 76.2



#25

2-Butanone

Concen: 1.011 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX025891.D

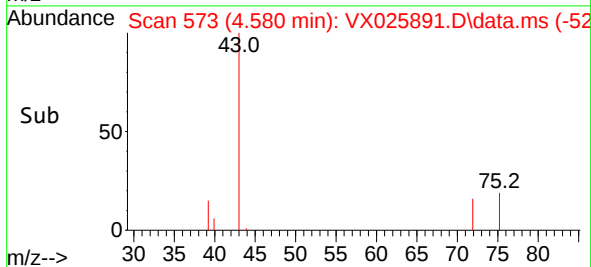
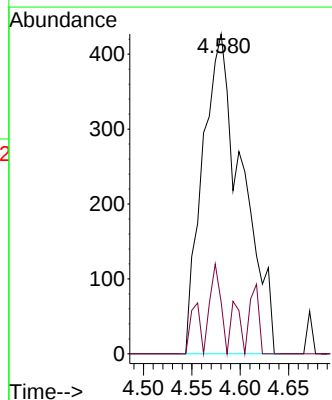
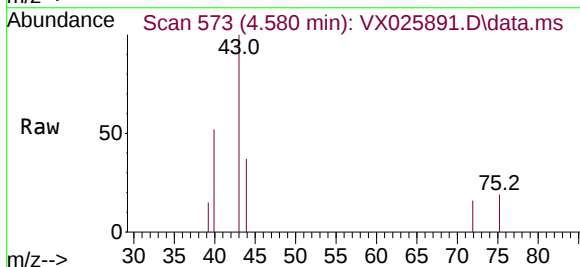
Acq: 17 Dec 2021 17:27

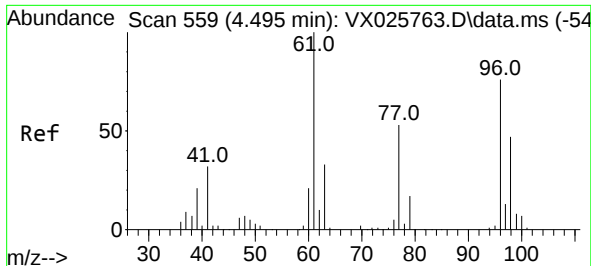
Tgt Ion: 43 Resp: 1224

Ion Ratio Lower Upper

43 100

72 16.2 21.0 31.4#





#27

cis-1,2-Dichloroethene

Concen: 0.248 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX025891.D

Acq: 17 Dec 2021 17:27

Instrument :

MSVOA_X

ClientSampleId :

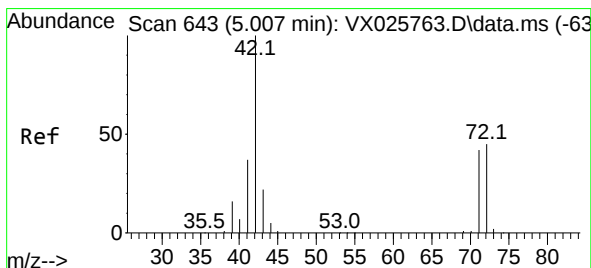
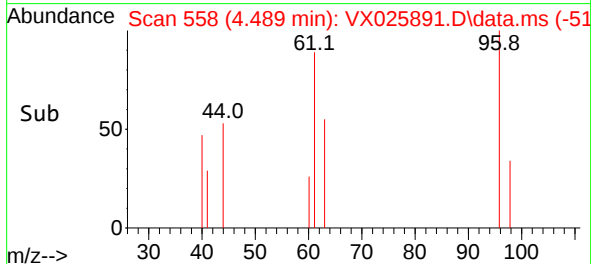
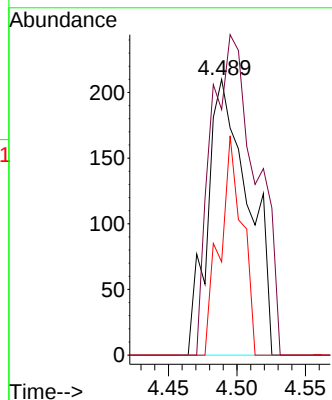
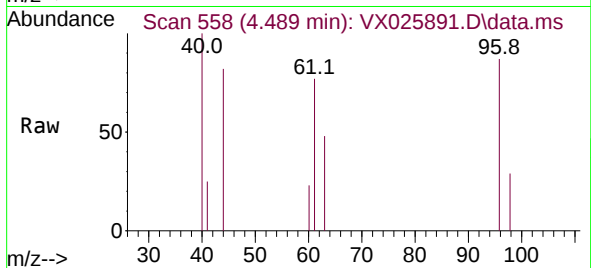
Tgt Ion: 96 Resp: 435

Ion Ratio Lower Upper

96 100

61 128.7 0.0 276.8

98 43.9 0.0 130.6



#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX025891.D

Acq: 17 Dec 2021 17:27

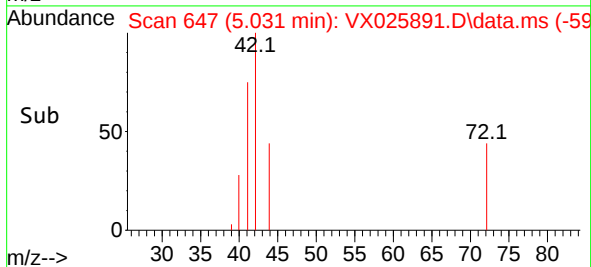
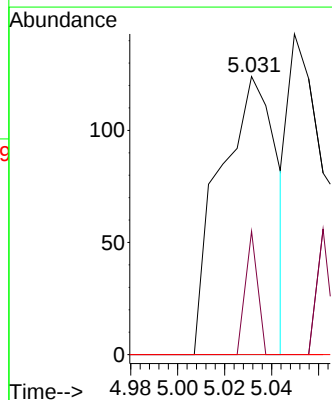
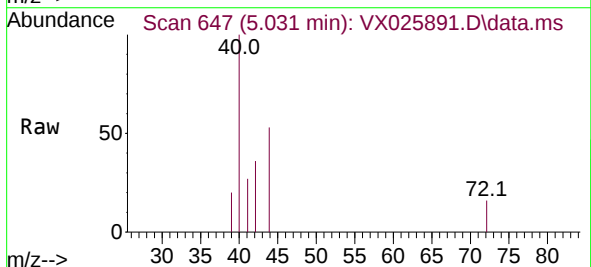
Tgt Ion: 42 Resp: 209

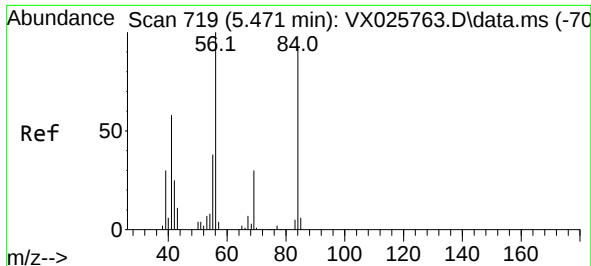
Ion Ratio Lower Upper

42 100

72 9.6 37.0 55.6#

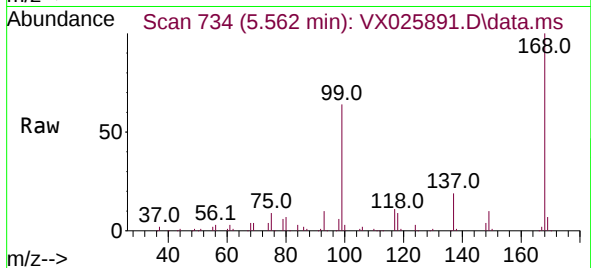
71 0.0 34.1 51.1#



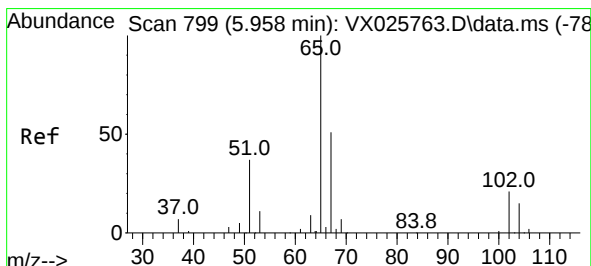
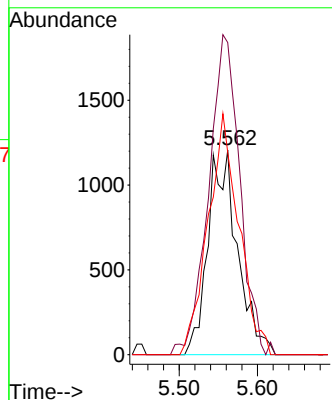
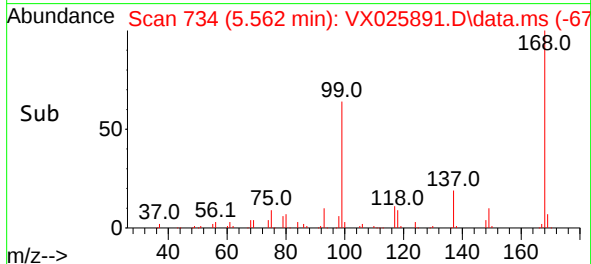


#31
Cyclohexane
Concen: 1.442 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Instrument :
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ClientSampleId :

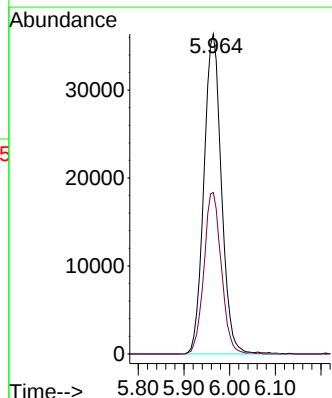
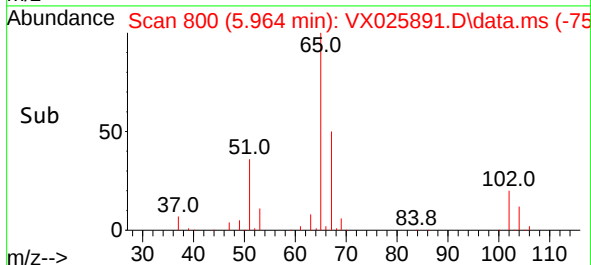
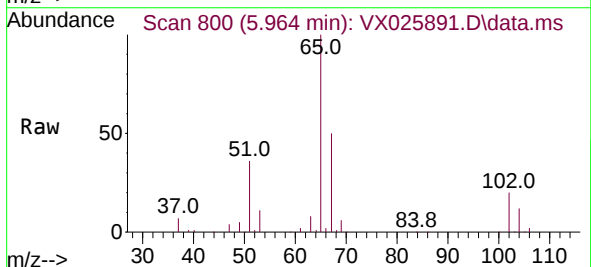


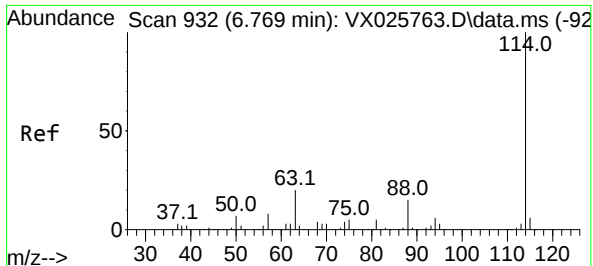
Tgt Ion: 56 Resp: 3158
Ion Ratio Lower Upper
56 100
69 152.5 23.9 35.9#
84 98.8 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 53.723 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

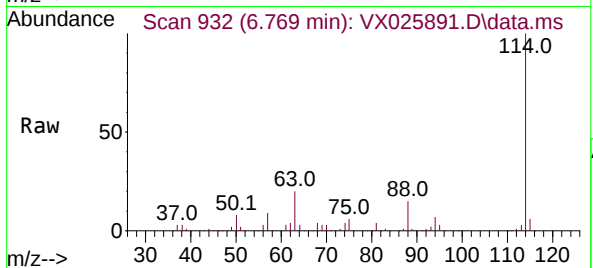
Tgt Ion: 65 Resp: 96739
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.4



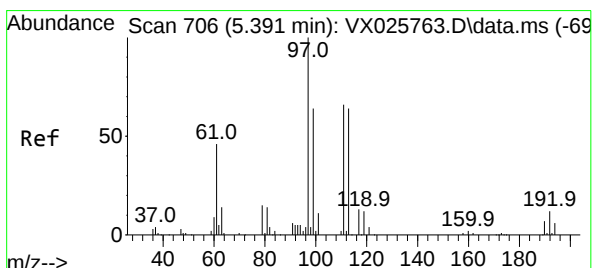
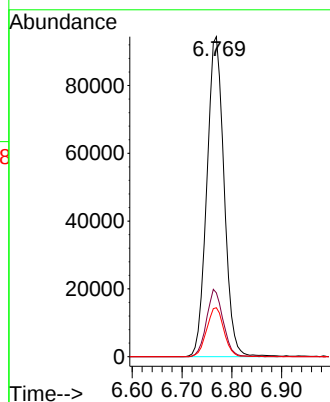
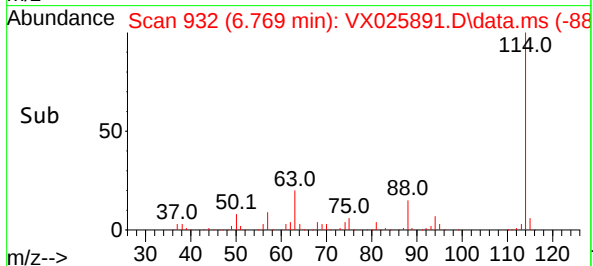


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Instrument :
MSVOA_X
ClientSampleId :

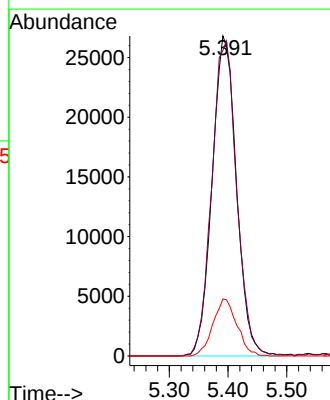
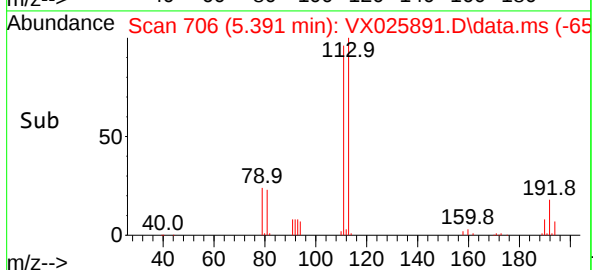
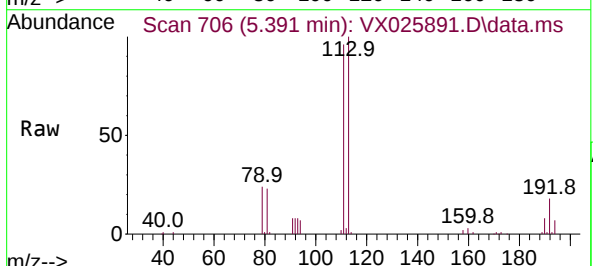


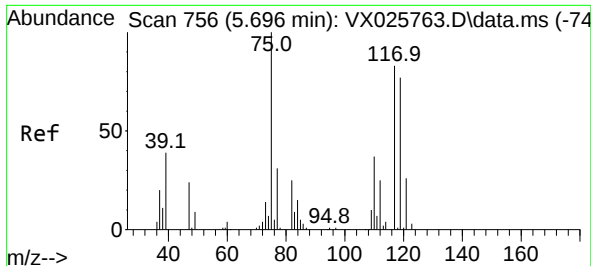
Tgt Ion:114 Resp: 226223
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.896 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

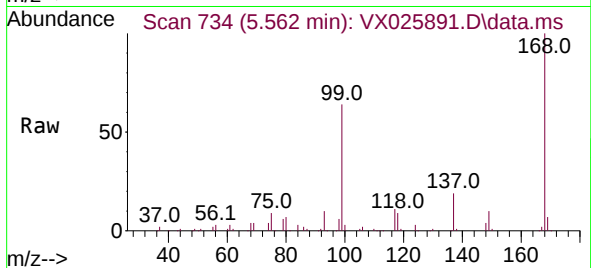
Tgt Ion:113 Resp: 77143
Ion Ratio Lower Upper
113 100
111 100.9 81.8 122.8
192 17.6 15.0 22.4



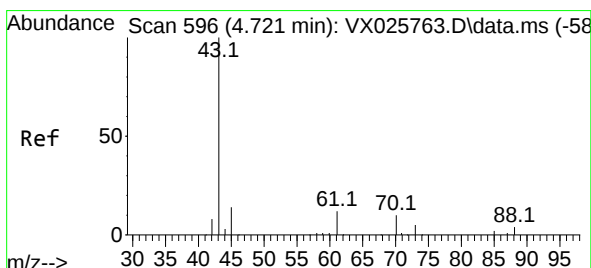
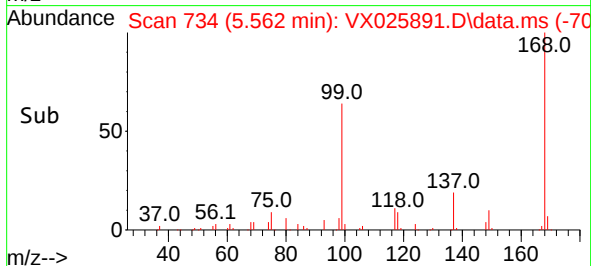
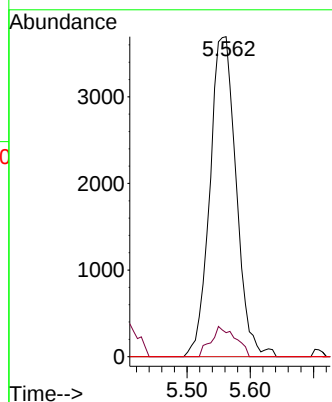


#36
1,1-Dichloropropene
Concen: 4.987 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Instrument :
MSVOA_X
ClientSampleId :

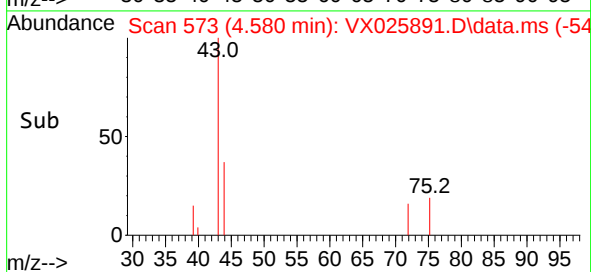
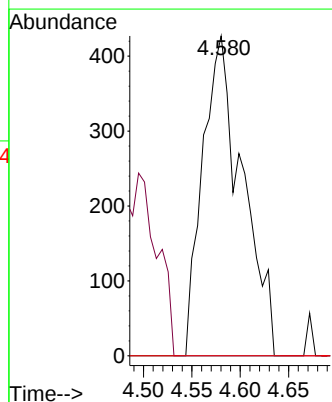
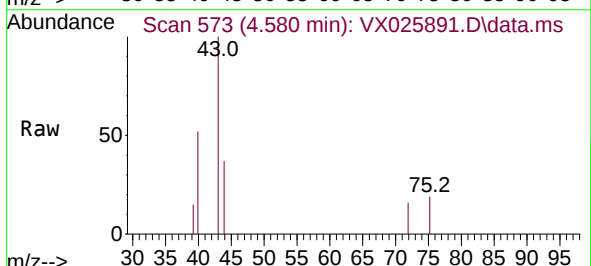


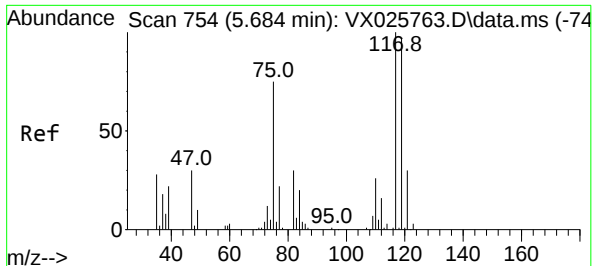
Tgt Ion: 75 Resp: 10670
Ion Ratio Lower Upper
75 100
110 8.8 18.2 54.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.515 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.140 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

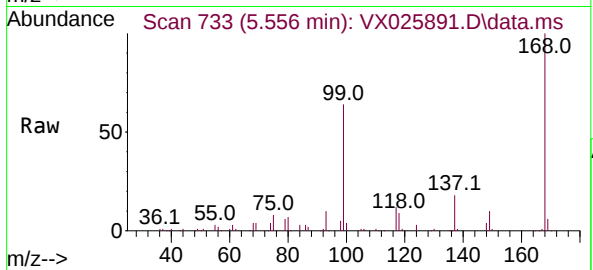
Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.5 12.7#



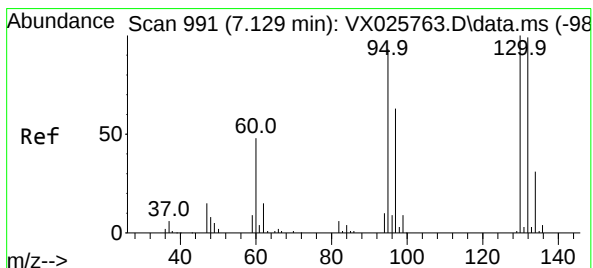
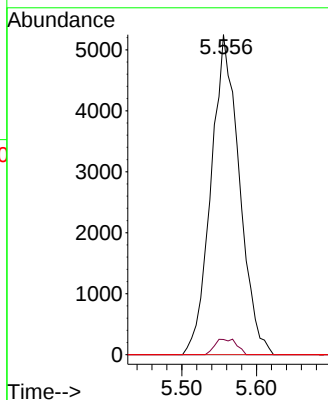
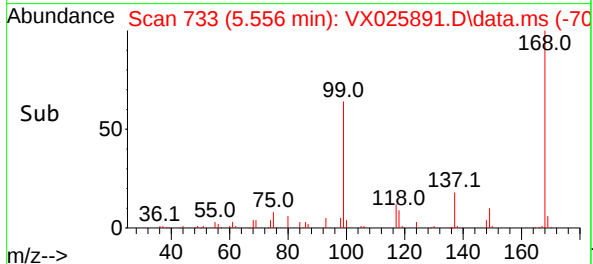


#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Instrument :
MSVOA_X
ClientSampleId :

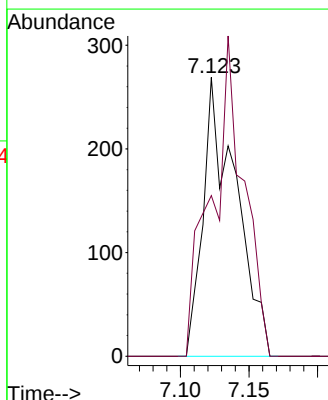
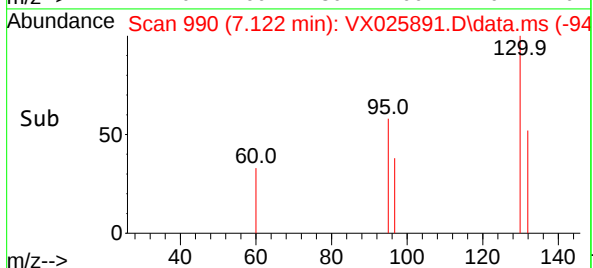
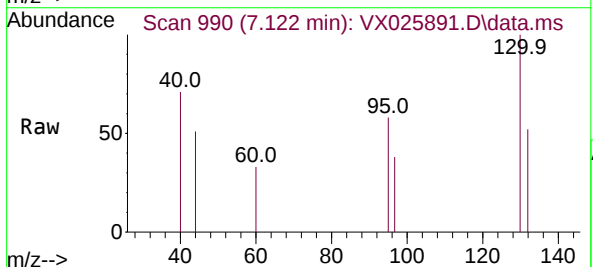


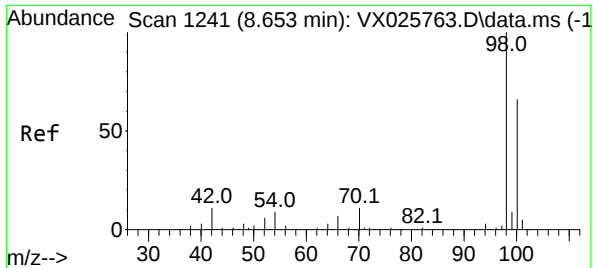
Tgt Ion:117 Resp: 13846
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 23.8 35.8#



#44
Trichloroethene
Concen: 0.252 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Tgt Ion:130 Resp: 447
Ion Ratio Lower Upper
130 100
95 57.6 0.0 186.4

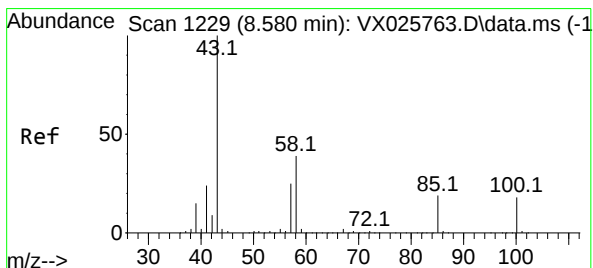
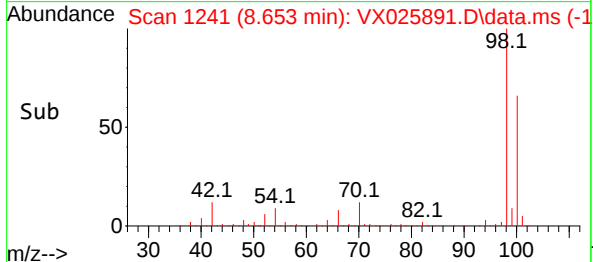
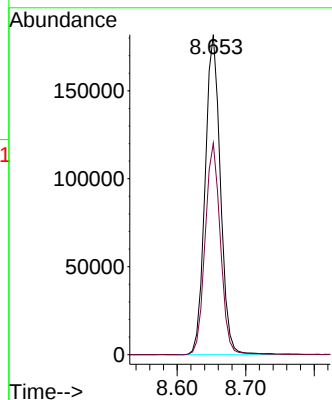
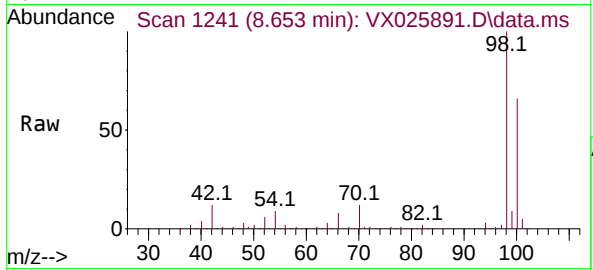




#50
Toluene-d8
Concen: 49.191 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

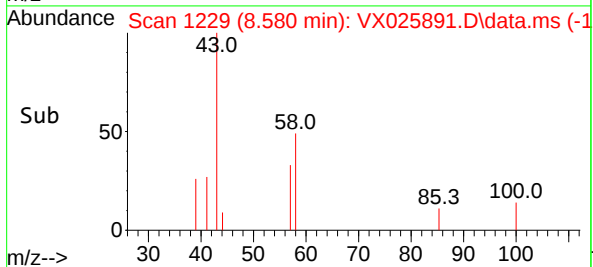
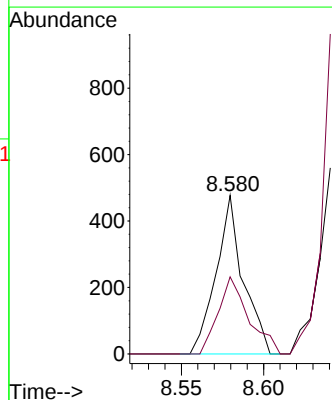
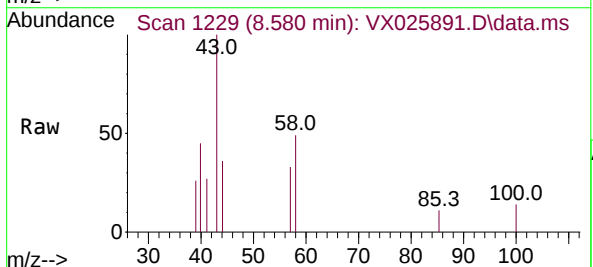
Instrument :
MSVOA_X
ClientSampleId :

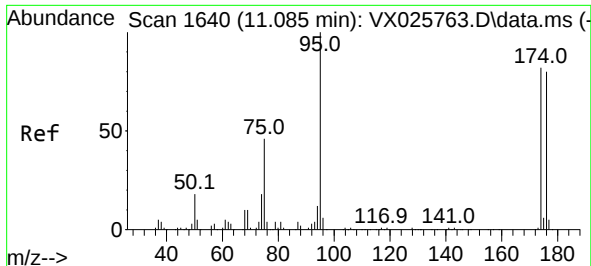
Tgt Ion: 98 Resp: 282768
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.218 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
58 54.7 30.8 46.2#

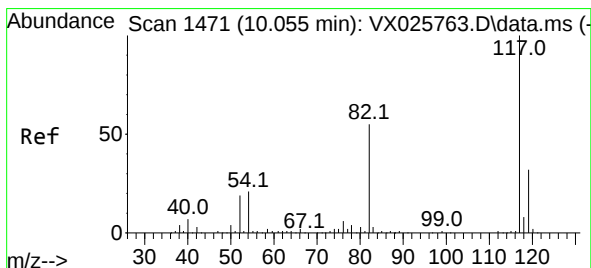
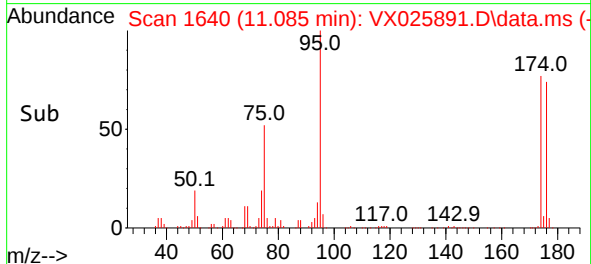
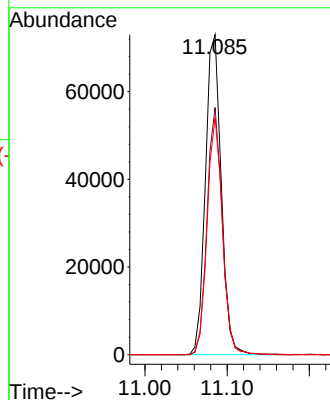
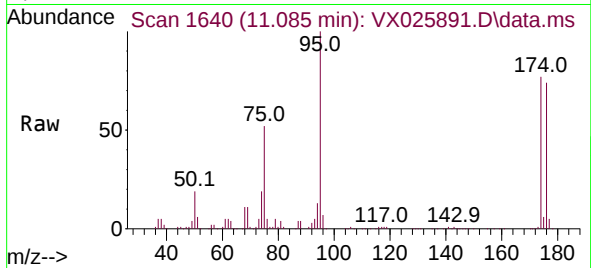




#62
4-Bromofluorobenzene
Concen: 44.699 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

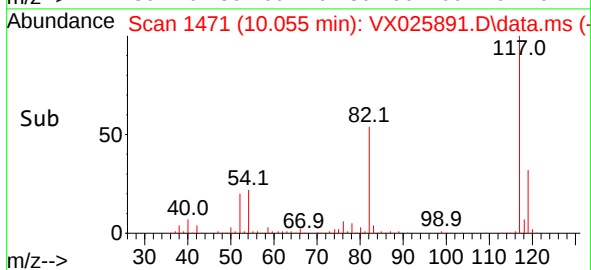
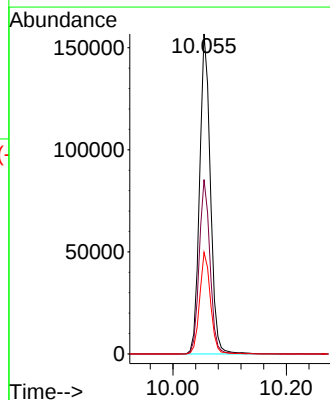
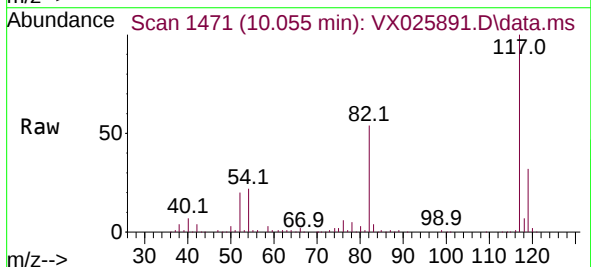
Instrument :
MSVOA_X
ClientSampleId :

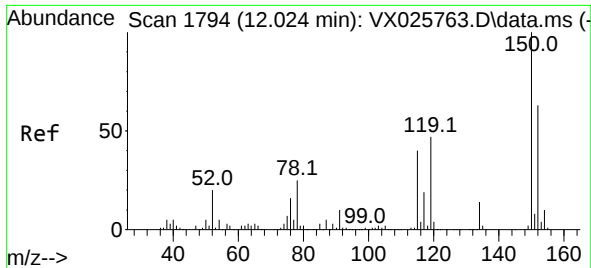
Tgt Ion: 95 Resp: 97605
Ion Ratio Lower Upper
95 100
174 74.2 0.0 157.4
176 71.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025891.D
Acq: 17 Dec 2021 17:27

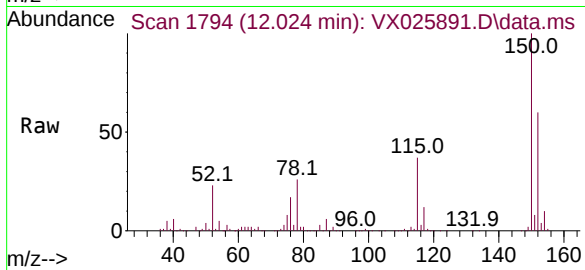
Tgt Ion: 117 Resp: 206384
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.6
119 31.7 25.2 37.8



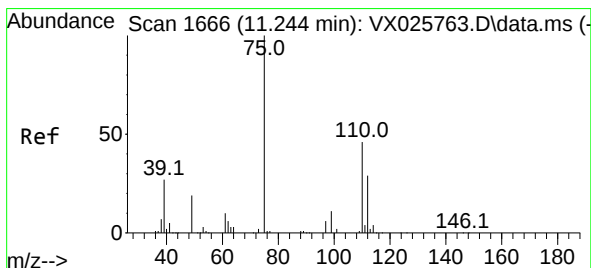
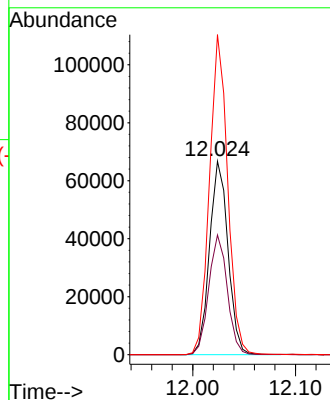
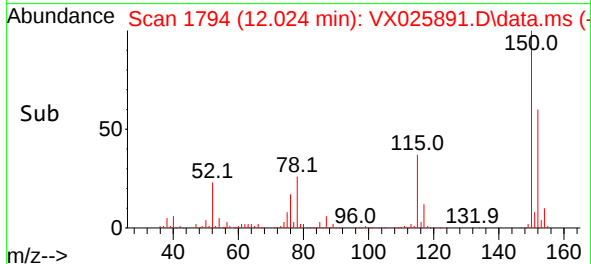


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025891.D
 Acq: 17 Dec 2021 17:27

Instrument :
 MSVOA_X
 ClientSampleId :

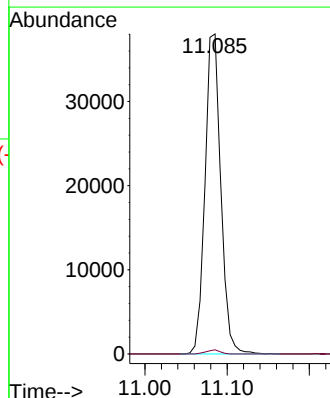
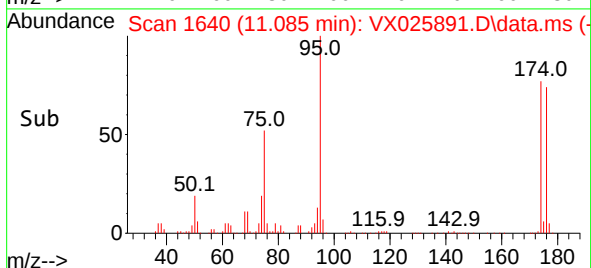
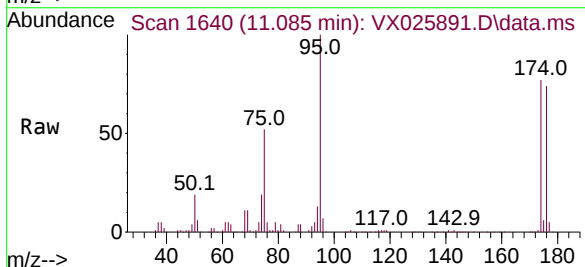


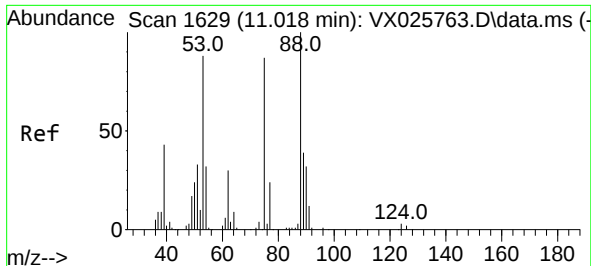
Tgt Ion:152 Resp: 83497
 Ion Ratio Lower Upper
 152 100
 115 62.2 41.3 123.9
 150 162.8 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 26.503 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025891.D
 Acq: 17 Dec 2021 17:27

Tgt Ion: 75 Resp: 50701
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.0 57.0#

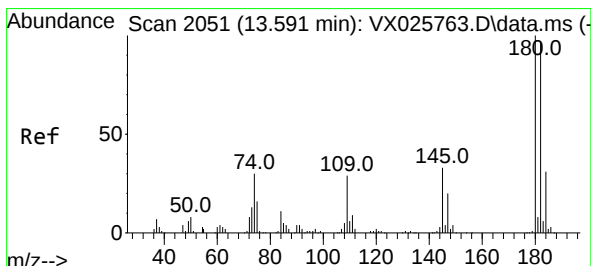
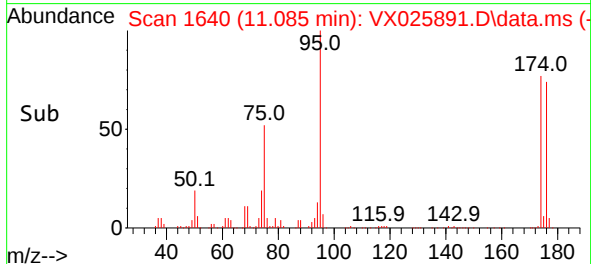
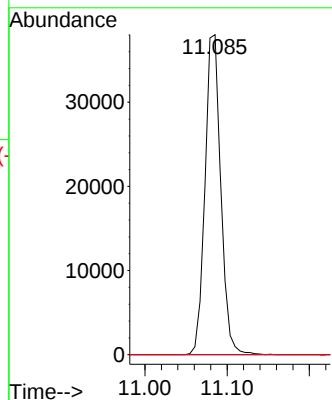
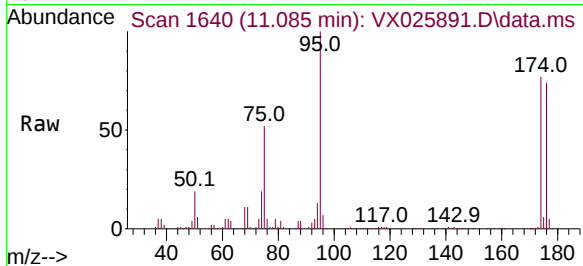




#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.165 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX025891.D
 Acq: 17 Dec 2021 17:27

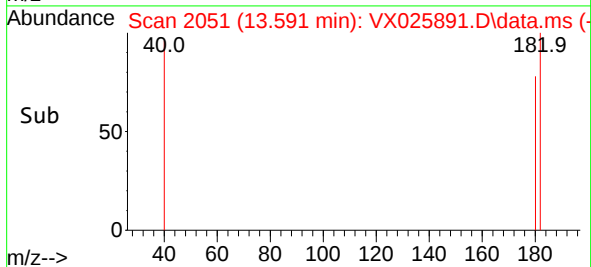
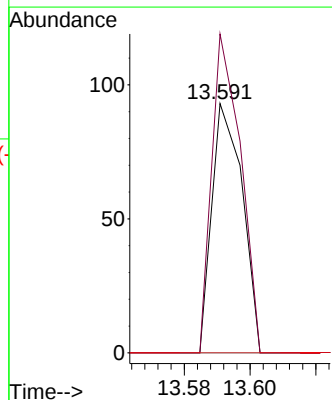
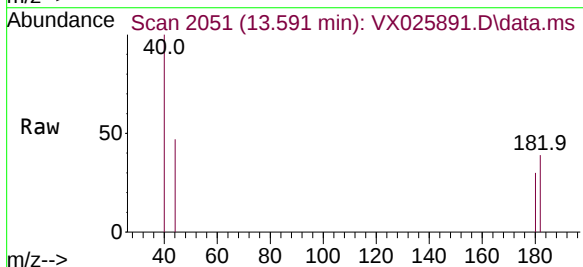
Instrument :
 MSVOA_X
 ClientSampleId :

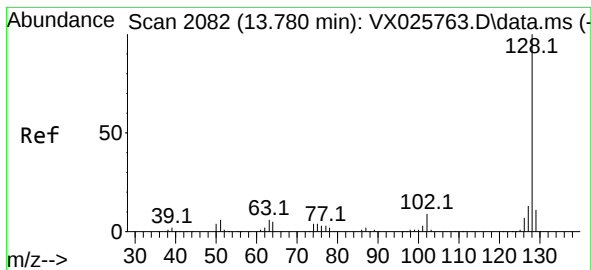
Tgt Ion: 75 Resp: 50701
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.404 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX025891.D
 Acq: 17 Dec 2021 17:27

Tgt Ion:180 Resp: 60
 Ion Ratio Lower Upper
 180 100
 182 120.0 47.2 141.6
 145 0.0 16.3 48.9#





#95

Naphthalene

Concen: 2.450 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.006 min

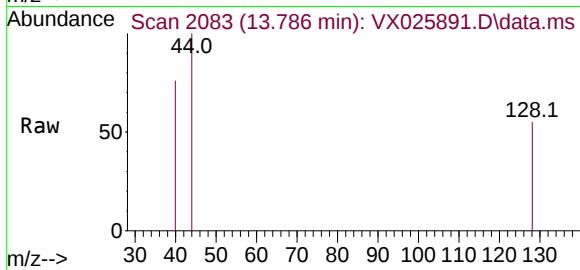
Lab File: VX025891.D

Acq: 17 Dec 2021 17:27

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 229

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

