

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025282.D
 Acq On : 23 Nov 2021 18:15
 Operator : JC/MD
 Sample : M4800-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 24 03:14:54 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)

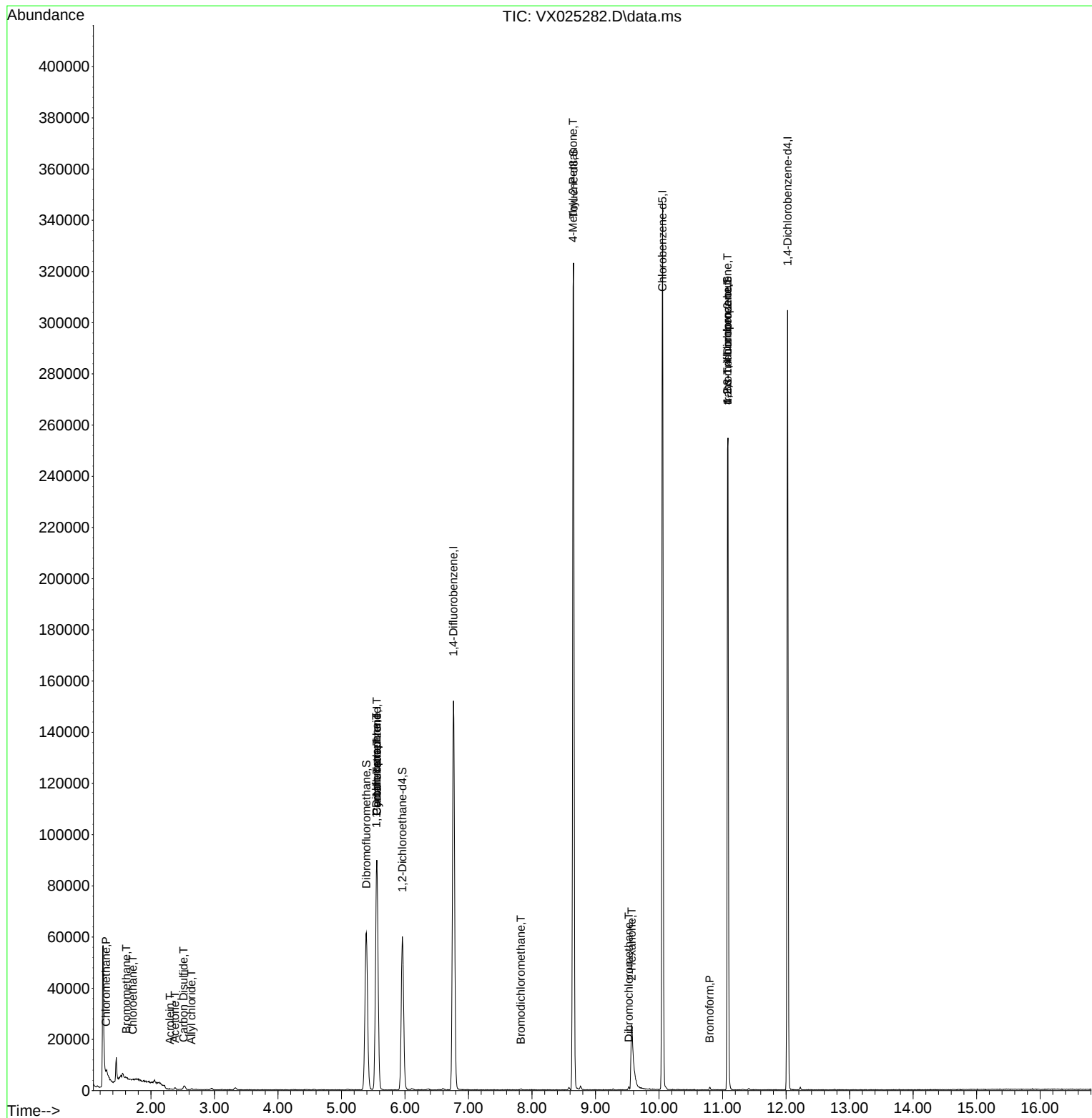
Internal Standards						
1) Pentafluorobenzene	5.556	168	92782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	166475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55316	56.561	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.120%
35) Dibromofluoromethane	5.391	113	53329	52.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.420%
50) Toluene-d8	8.653	98	197958	51.545	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.100%
62) 4-Bromofluorobenzene	11.079	95	69756	48.012	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.020%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	502	0.504	ug/l #	84
5) Bromomethane	1.612	94	189	0.402	ug/l #	66
6) Chloroethane	1.715	64	500	0.663	ug/l #	43
11) Tert butyl alcohol	2.953	59	413	Below Cal	#	72
13) Acrolein	2.300	56	19	0.424	ug/l #	13
14) Allyl chloride	2.636	41	490	0.315	ug/l #	24
16) Acetone	2.380	43	872	1.605	ug/l #	83
17) Carbon Disulfide	2.514	76	1177	0.487	ug/l #	76
31) Cyclohexane	5.556	56	1706	1.129	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	5862	4.036	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8656	5.411	ug/l #	16
47) Bromodichloromethane	7.824	83	412	0.267	ug/l #	81
51) 4-Methyl-2-Pentanone	8.647	43	818	0.474	ug/l #	1
59) 2-Hexanone	9.567	43	10481	7.709	ug/l #	38
60) Dibromochloromethane	9.525	129	656	0.499	ug/l	88
71) Bromoform	10.799	173	450	0.420	ug/l #	96
76) 1,2,3-Trichloropropane	11.079	75	33565	25.212	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33565	63.512	ug/l #	9
95) Naphthalene	13.780	128	97	Below Cal	#	69

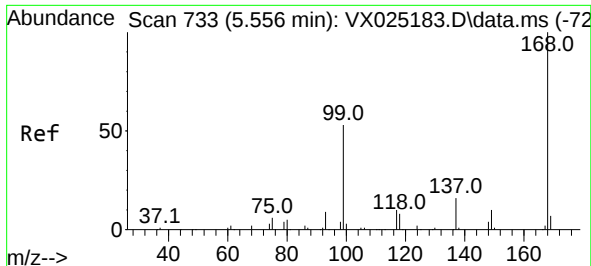
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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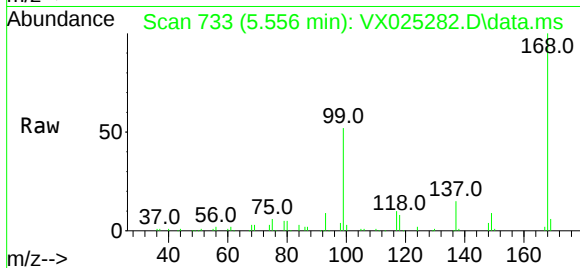
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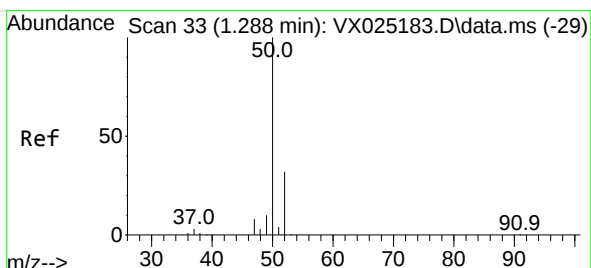
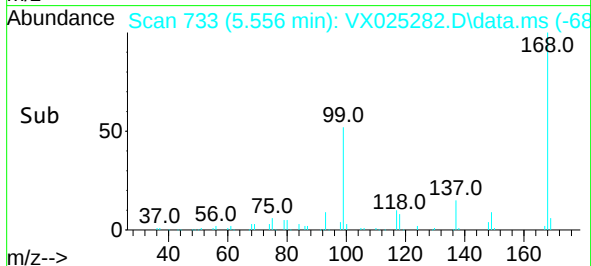
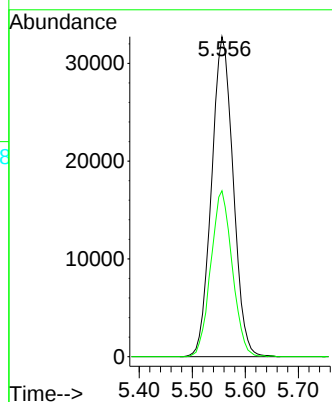


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :

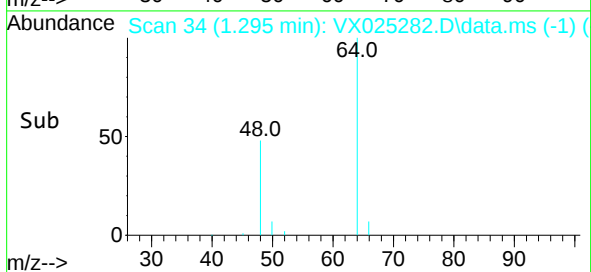
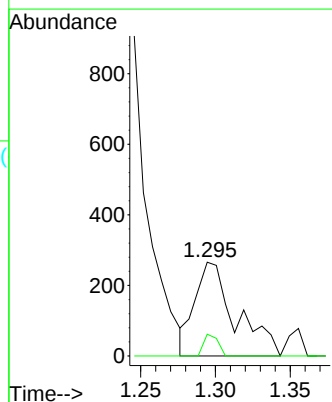
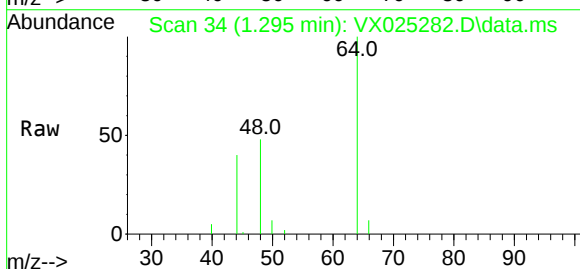


Tgt Ion:168 Resp: 92782
Ion Ratio Lower Upper
168 100
99 51.9 46.4 69.6



#3
Chloromethane
Concen: 0.504 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Tgt Ion: 50 Resp: 502
Ion Ratio Lower Upper
50 100
52 23.3 25.9 38.9#

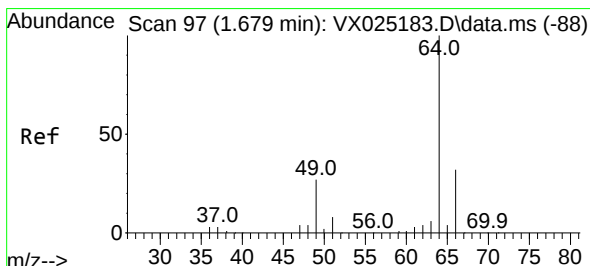
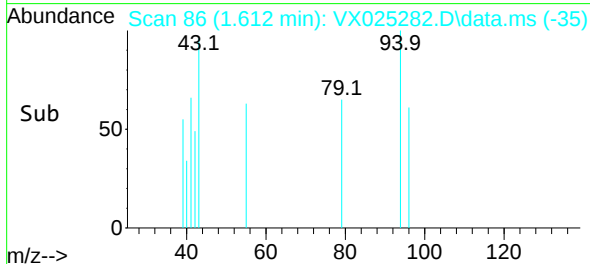
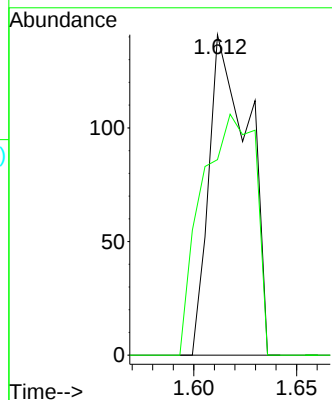
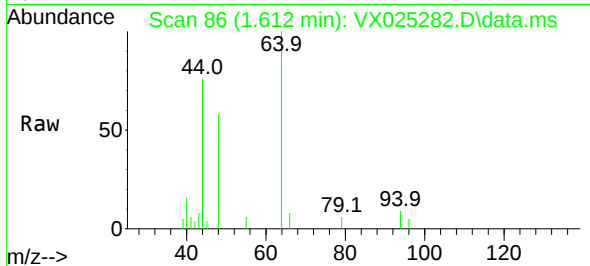




#5
Bromomethane
Concen: 0.402 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

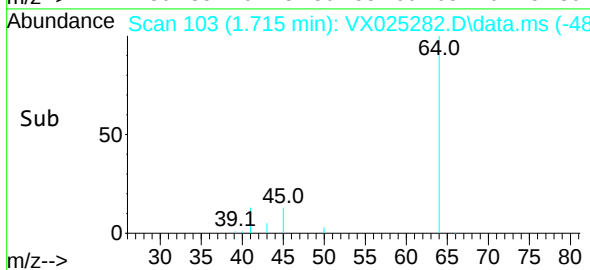
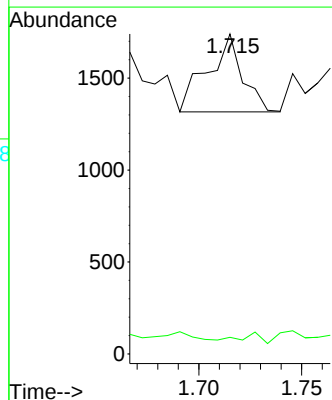
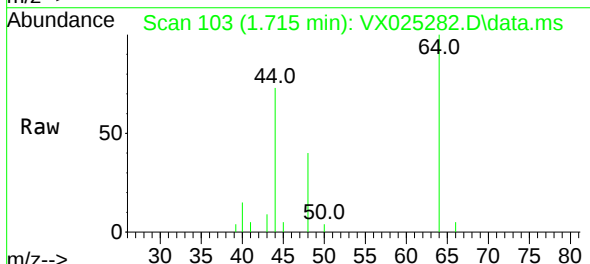
Instrument :
MSVOA_X
ClientSampleId :

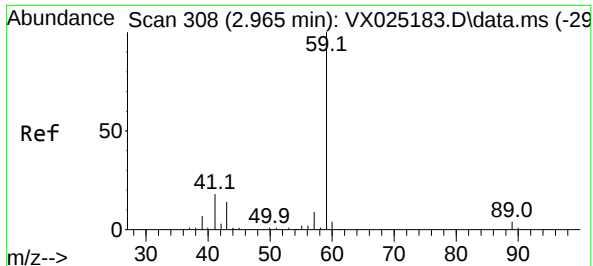
Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 61.0 74.8 112.2#



#6
Chloroethane
Concen: 0.663 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.036 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Tgt Ion: 64 Resp: 500
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX025282.D

Acq: 23 Nov 2021 18:15

Instrument :

MSVOA_X

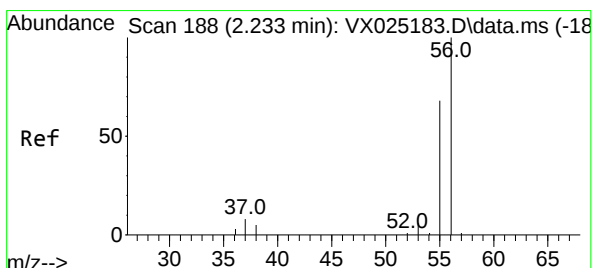
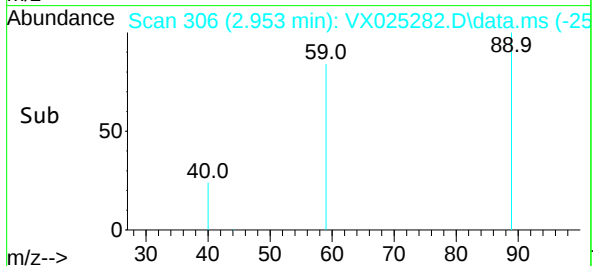
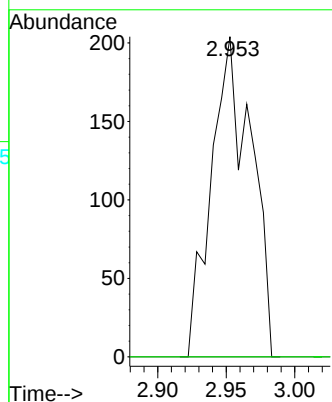
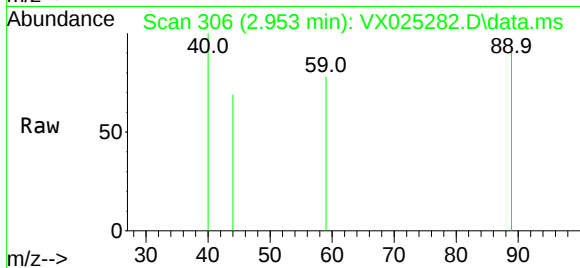
ClientSampleId :

Tgt Ion: 59 Resp: 413

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.424 ug/l

RT: 2.300 min Scan# 199

Delta R.T. 0.067 min

Lab File: VX025282.D

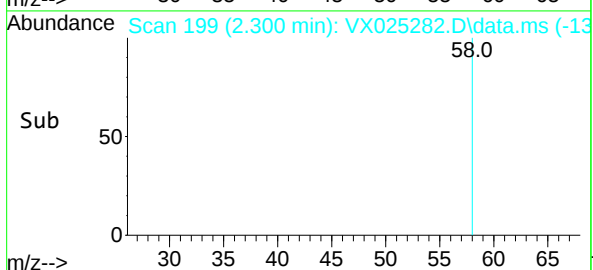
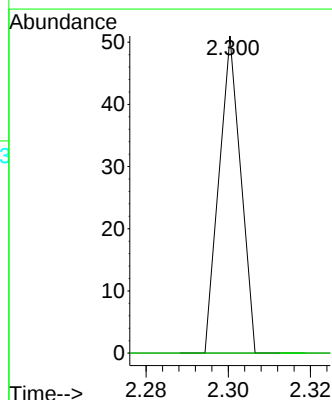
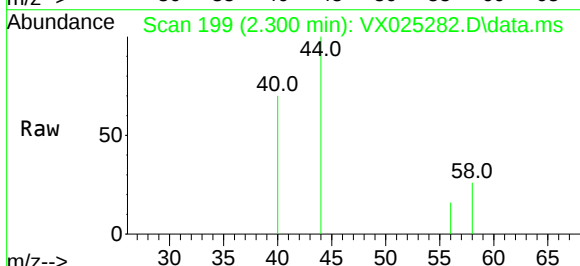
Acq: 23 Nov 2021 18:15

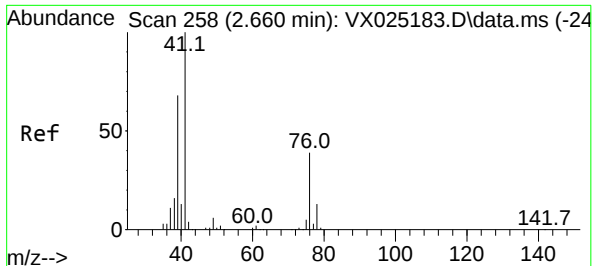
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#





#14

Allyl chloride

Concen: 0.315 ug/l

RT: 2.636 min Scan# 214

Delta R.T. -0.024 min

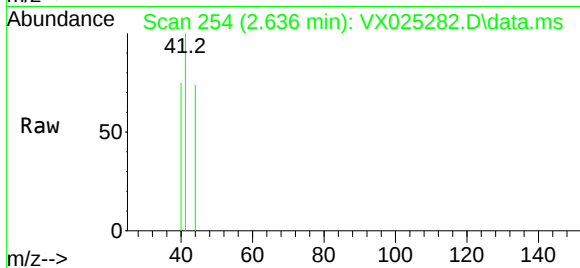
Lab File: VX025282.D

Acq: 23 Nov 2021 18:15

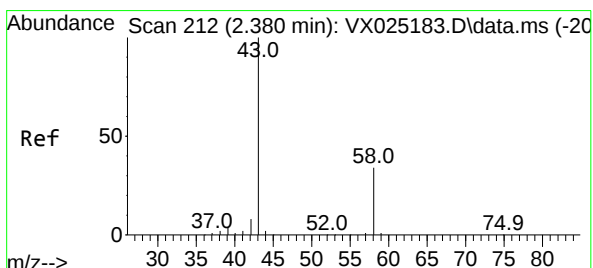
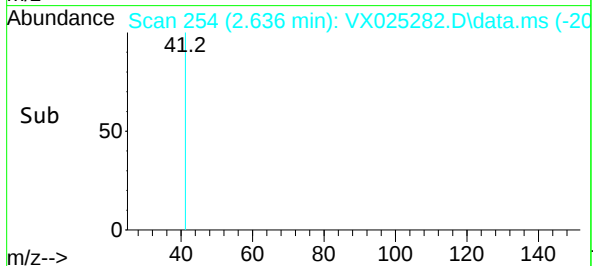
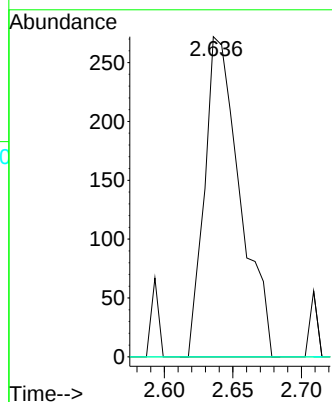
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 41	Resp: 490
Ion Ratio	Lower Upper
41	100
39	0.0 54.6 82.0#
76	0.0 25.3 37.9#



#16

Acetone

Concen: 1.605 ug/l

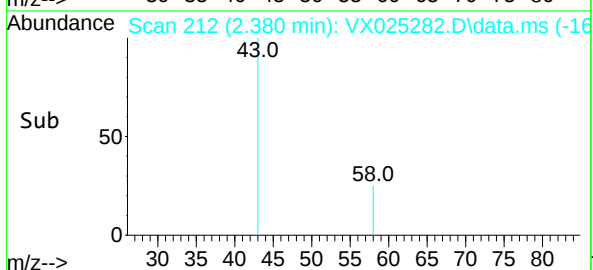
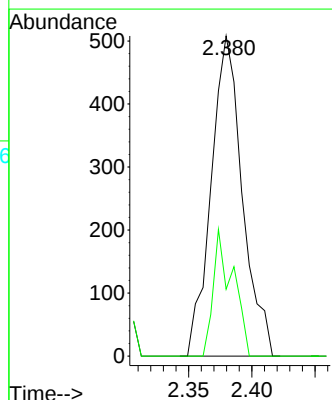
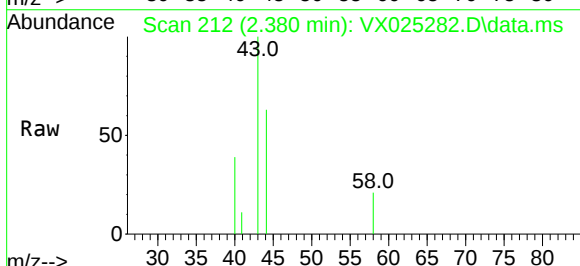
RT: 2.380 min Scan# 212

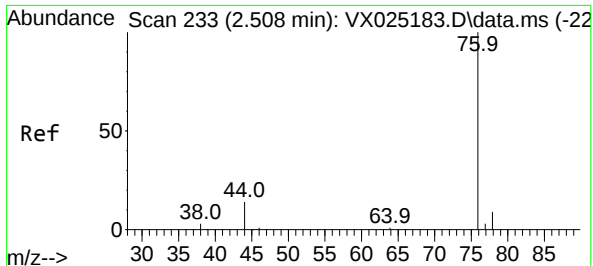
Delta R.T. -0.000 min

Lab File: VX025282.D

Acq: 23 Nov 2021 18:15

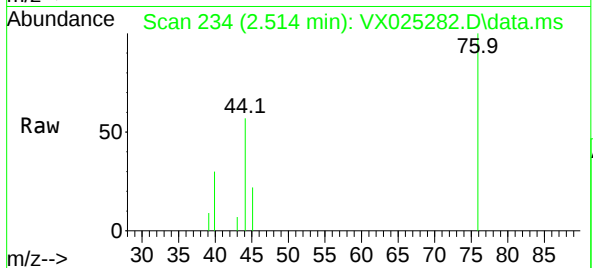
Tgt Ion: 43	Resp: 872
Ion Ratio	Lower Upper
43	100
58	20.9 24.0 36.0#



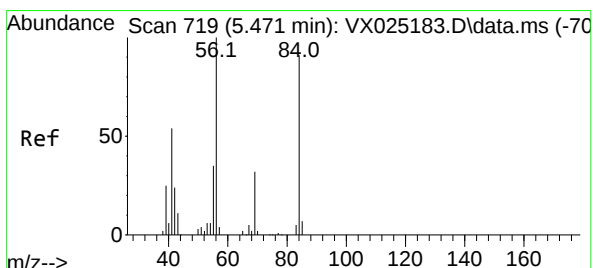
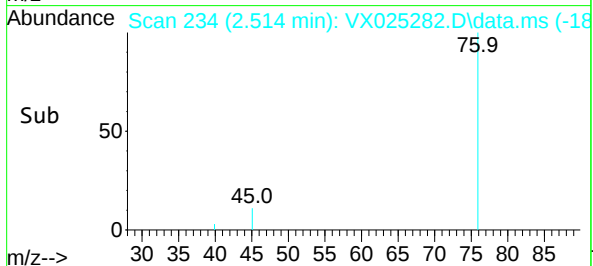
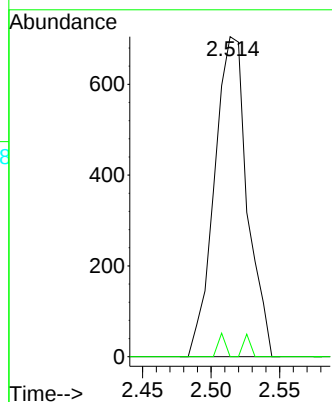


#17
Carbon Disulfide
Concen: 0.487 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :

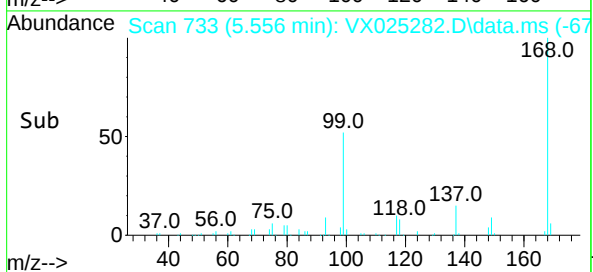
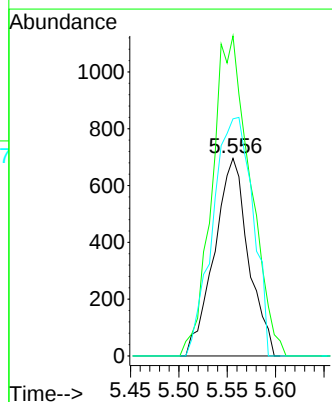
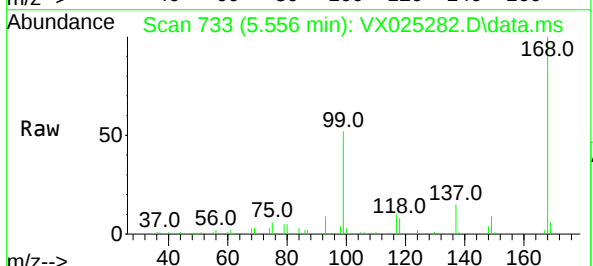


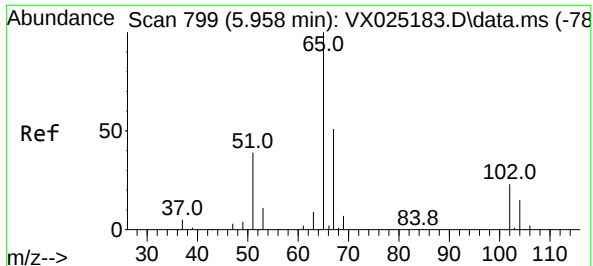
Tgt Ion: 76 Resp: 1177
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Tgt Ion: 56 Resp: 1706
Ion Ratio Lower Upper
56 100
69 161.9 24.2 36.2#
84 120.0 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 56.561 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025282.D

Acq: 23 Nov 2021 18:15

Instrument :

MSVOA_X

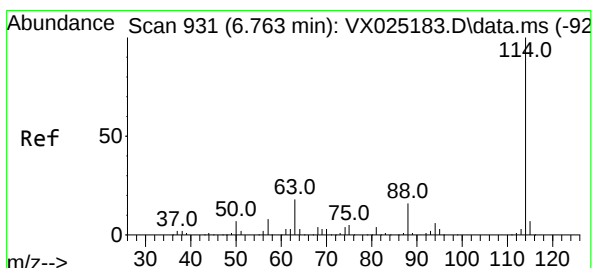
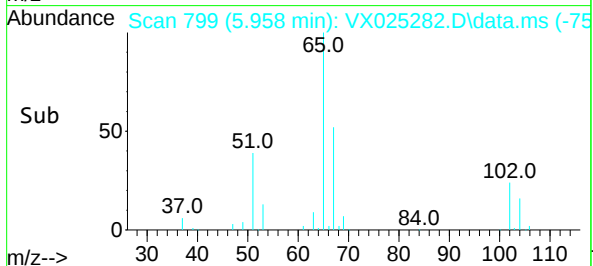
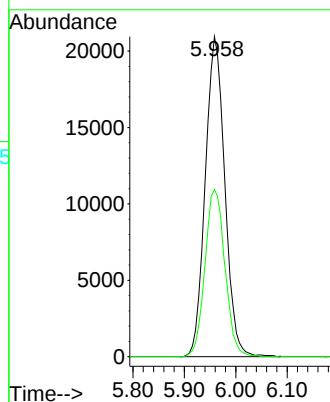
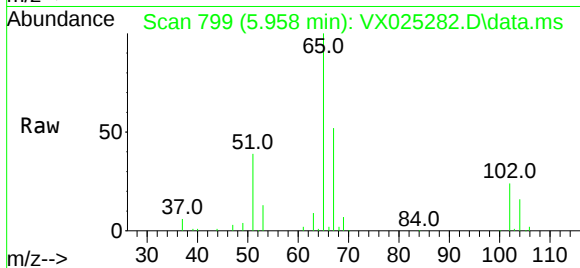
ClientSampleId :

Tgt Ion: 65 Resp: 55316

Ion Ratio Lower Upper

65 100

67 53.4 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: VX025282.D

Acq: 23 Nov 2021 18:15

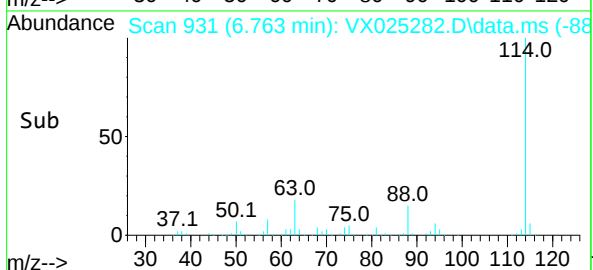
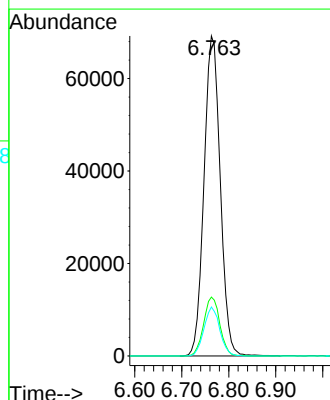
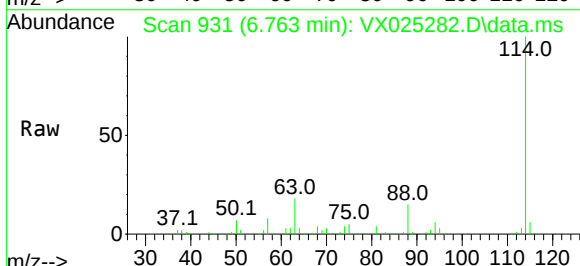
Tgt Ion: 114 Resp: 166475

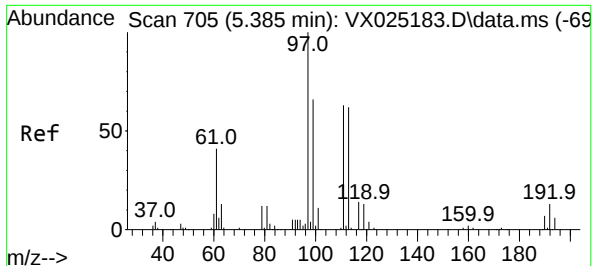
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.0

88 15.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 52.210 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

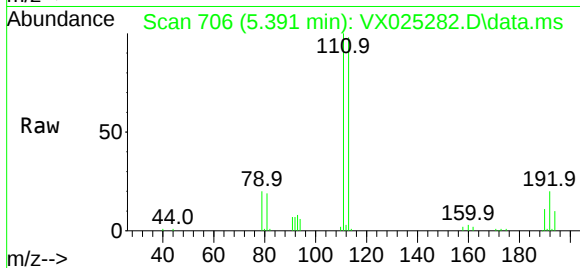
Lab File: VX025282.D

Acq: 23 Nov 2021 18:15

Instrument :

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ClientSampleId :



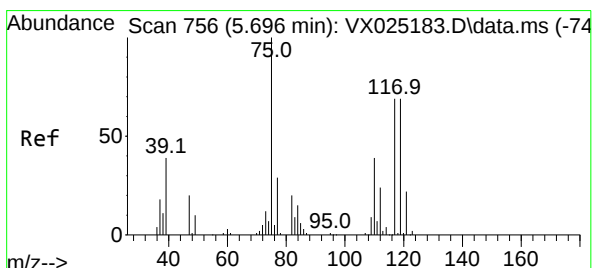
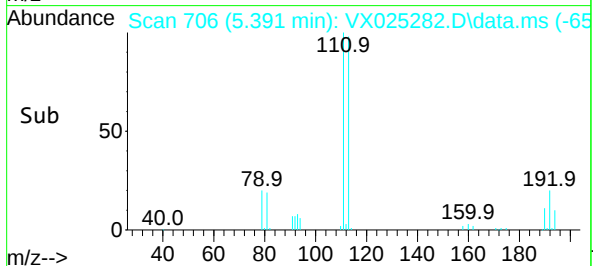
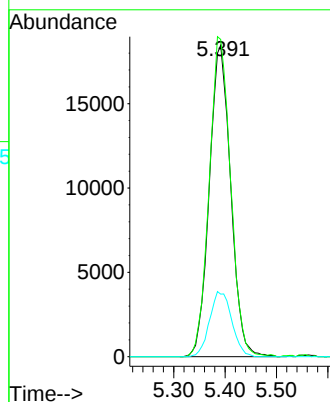
Tgt Ion:113 Resp: 53329

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 21.6 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.036 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX025282.D

Acq: 23 Nov 2021 18:15

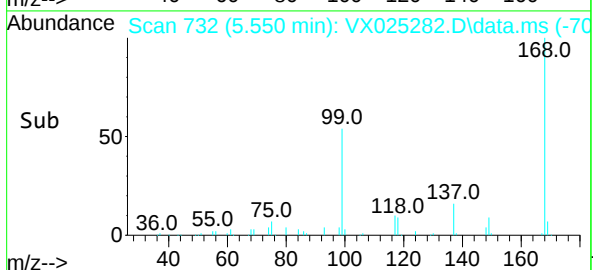
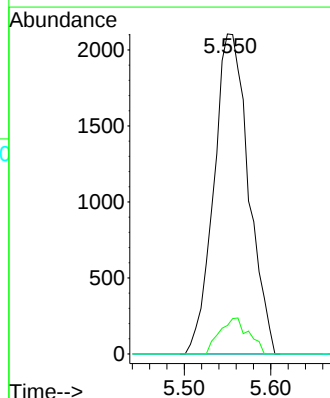
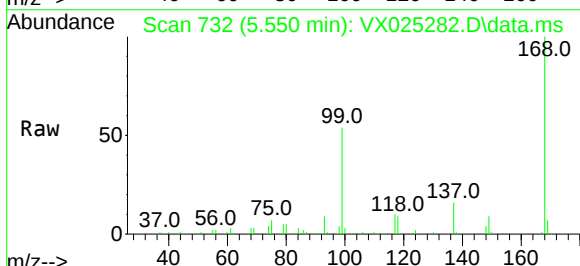
Tgt Ion: 75 Resp: 5862

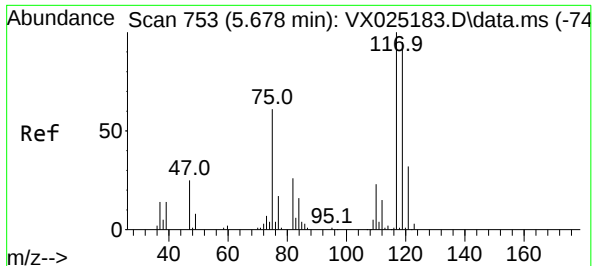
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

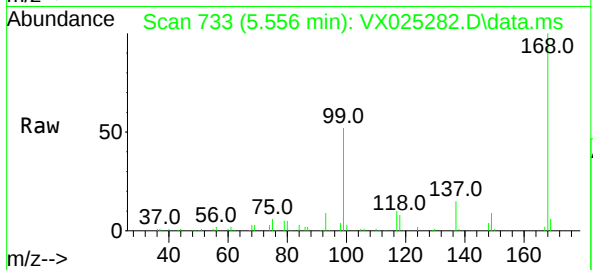
77 0.0 24.4 36.6#



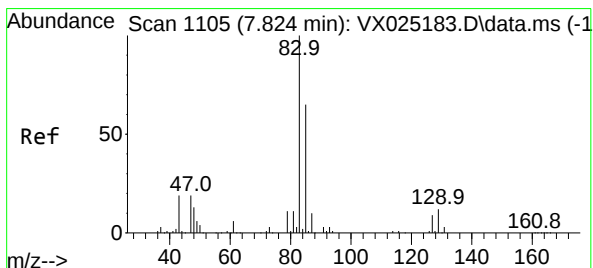
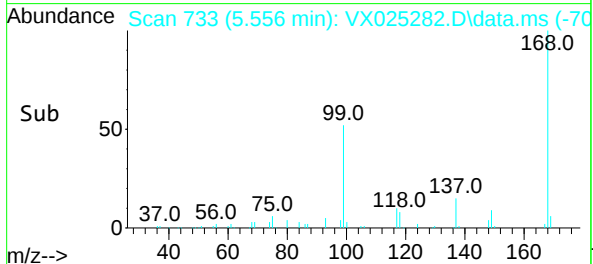
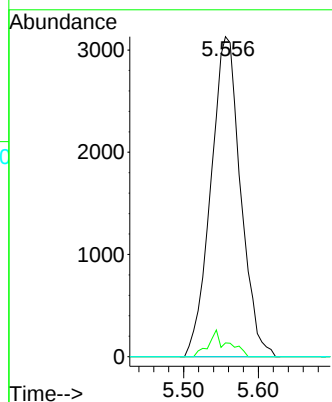


#38
Carbon Tetrachloride
Concen: 5.411 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :

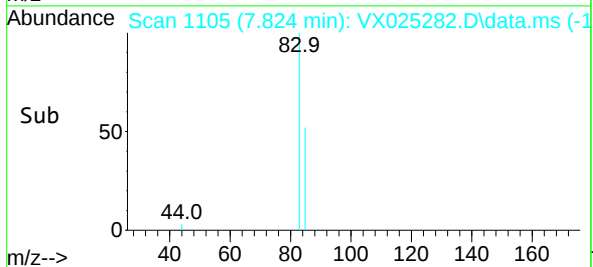
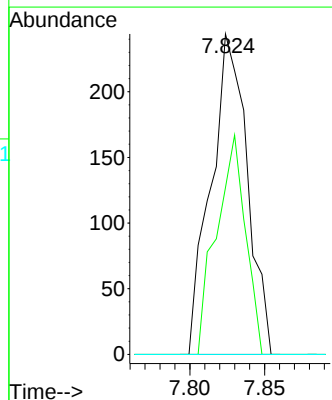
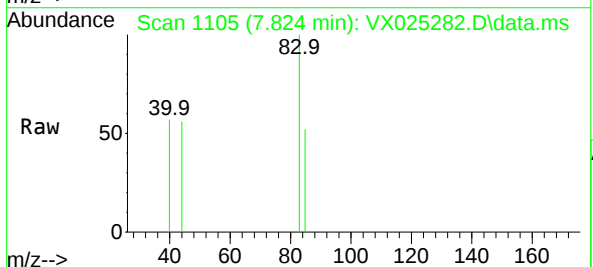


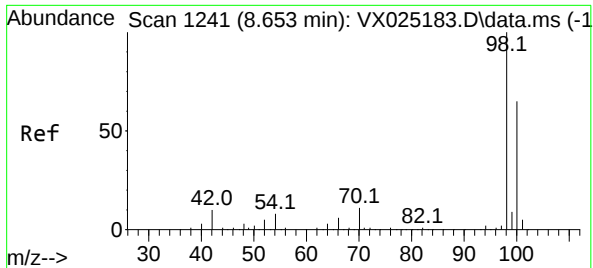
Tgt Ion:117 Resp: 8656
Ion Ratio Lower Upper
117 100
119 4.3 75.6 113.4#
121 0.0 23.7 35.5#



#47
Bromodichloromethane
Concen: 0.267 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Tgt Ion: 83 Resp: 412
Ion Ratio Lower Upper
83 100
85 52.0 53.5 80.3#
127 0.0 7.7 11.5#

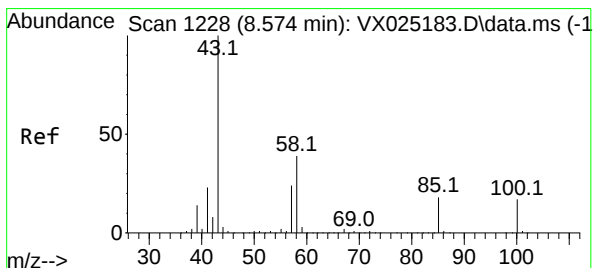
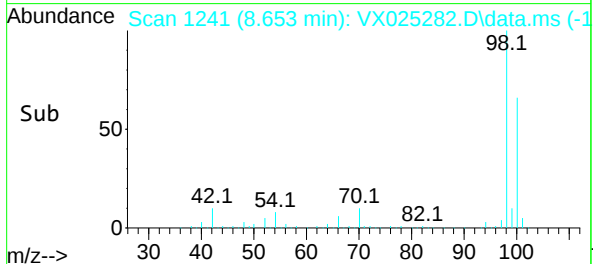
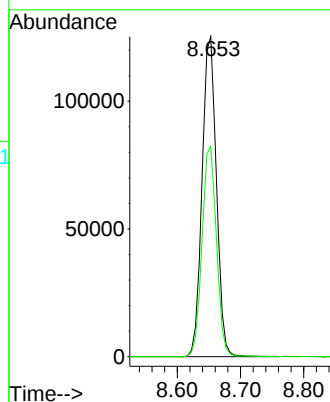
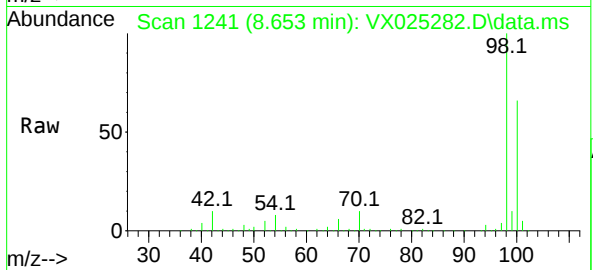




#50
Toluene-d8
Concen: 51.545 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

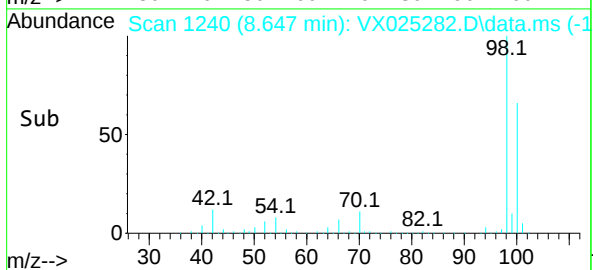
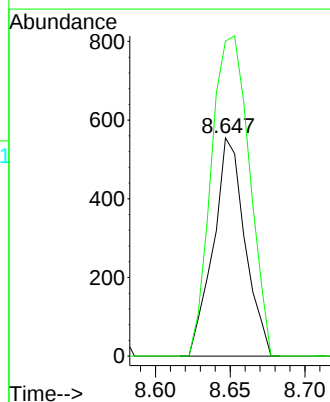
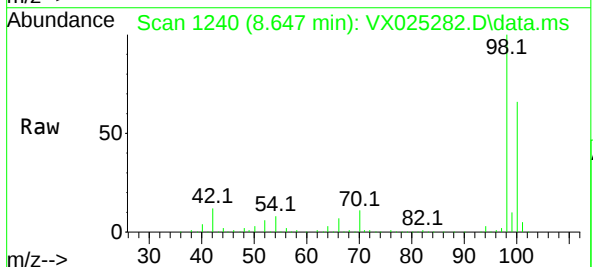
Instrument :
MSVOA_X
ClientSampleId :

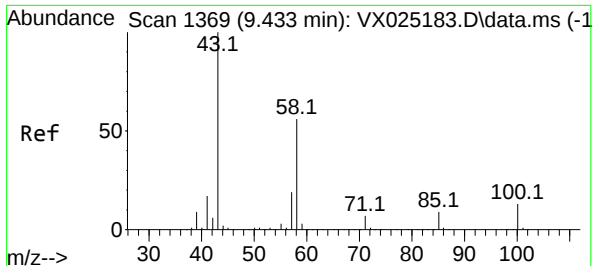
Tgt Ion: 98 Resp: 197958
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
58 176.0 30.9 46.3#





#59

2-Hexanone

Concen: 7.709 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.134 min

Lab File: VX025282.D

Acq: 23 Nov 2021 18:15

Instrument :

MSVOA_X

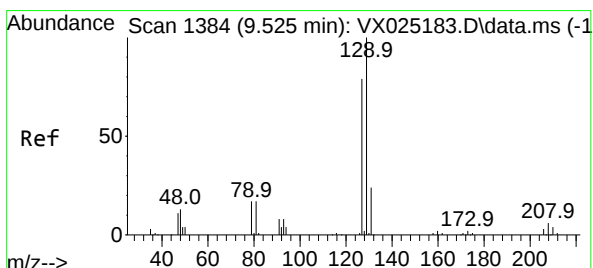
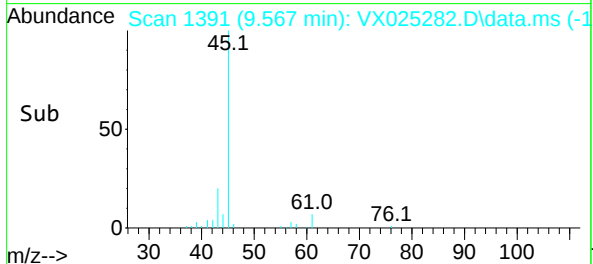
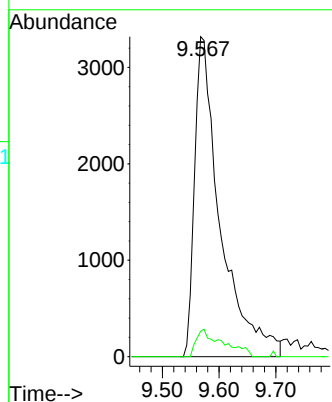
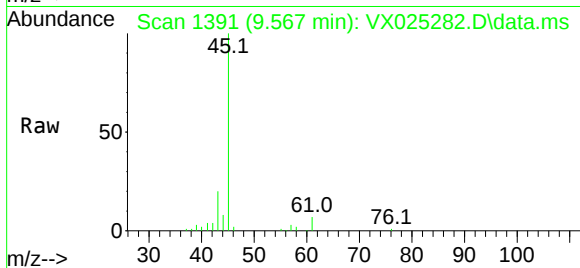
ClientSampleId :

Tgt Ion: 43 Resp: 10481

Ion Ratio Lower Upper

43 100

58 8.8 26.6 79.7#



#60

Dibromochloromethane

Concen: 0.499 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX025282.D

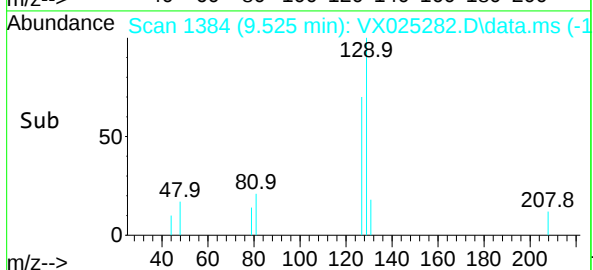
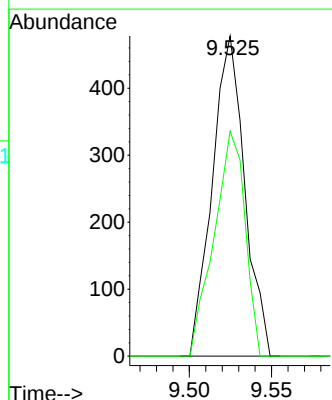
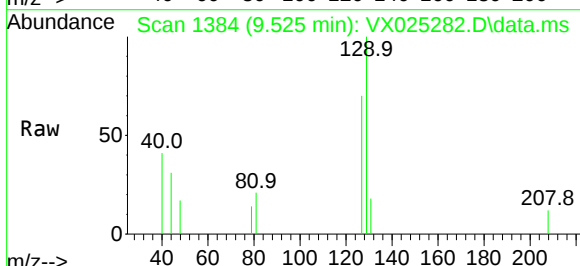
Acq: 23 Nov 2021 18:15

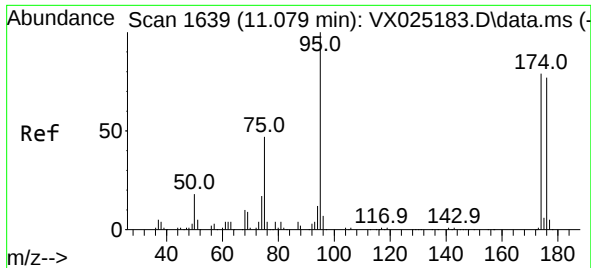
Tgt Ion: 129 Resp: 656

Ion Ratio Lower Upper

129 100

127 66.9 38.5 115.5

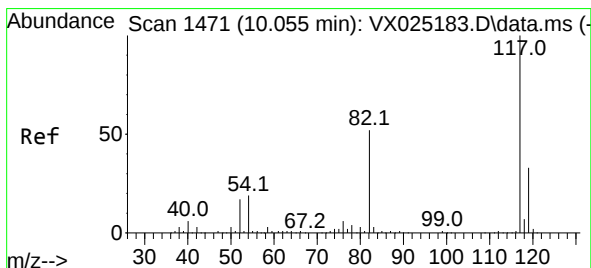
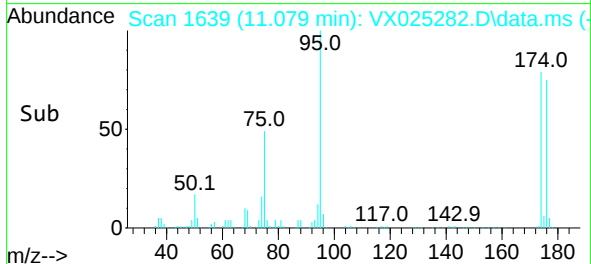
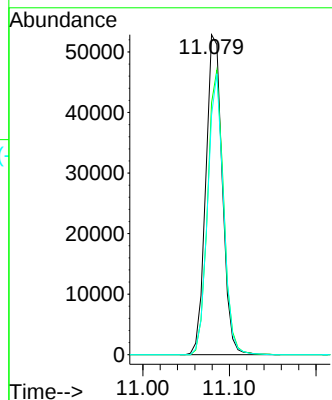
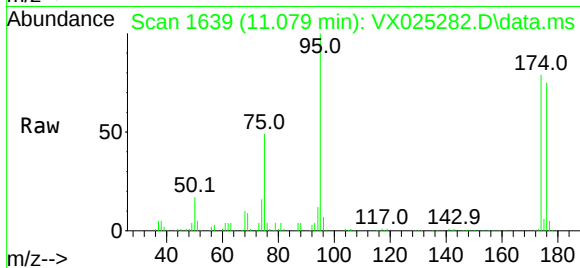




#62
4-Bromofluorobenzene
Concen: 48.012 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

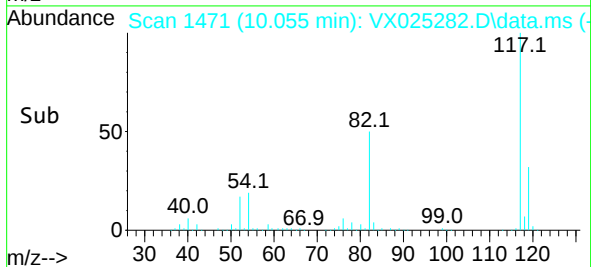
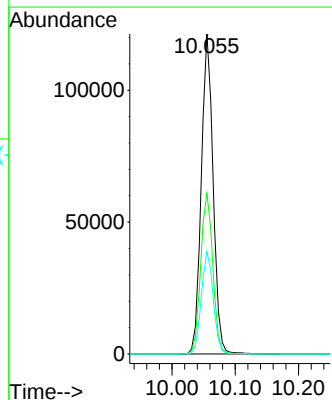
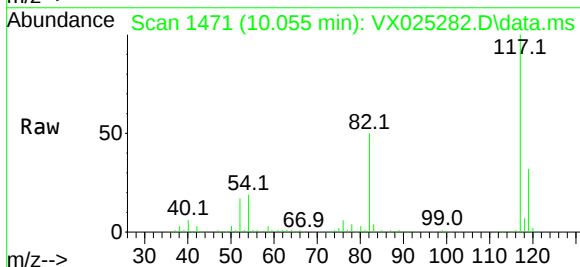
Instrument :
MSVOA_X
ClientSampleId :

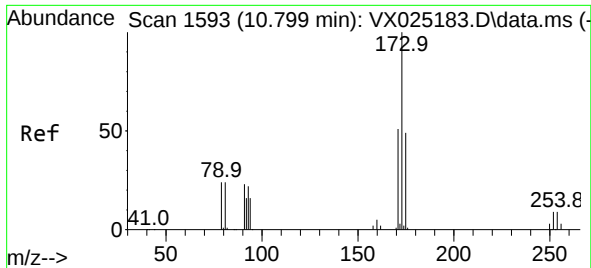
Tgt Ion: 95 Resp: 69756
Ion Ratio Lower Upper
95 100
174 86.1 0.0 158.0
176 84.2 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Tgt Ion: 117 Resp: 157941
Ion Ratio Lower Upper
117 100
82 50.2 44.6 67.0
119 32.0 24.8 37.2

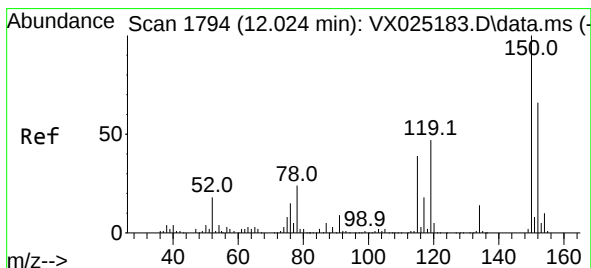
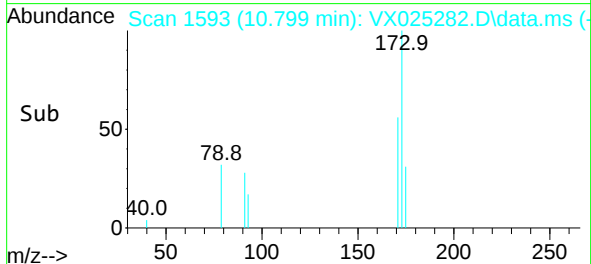
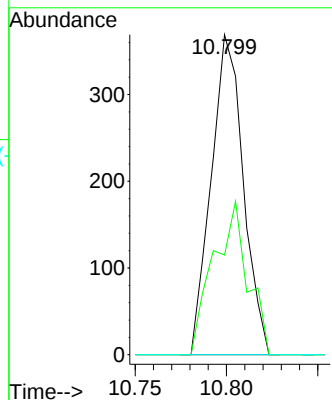
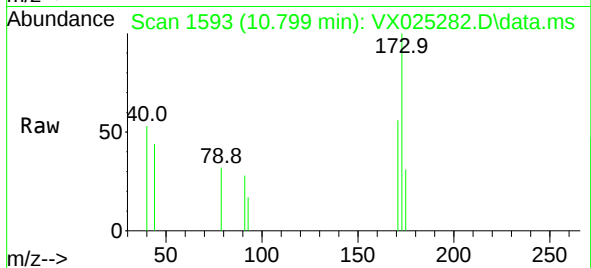




#71
Bromoform
Concen: 0.420 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

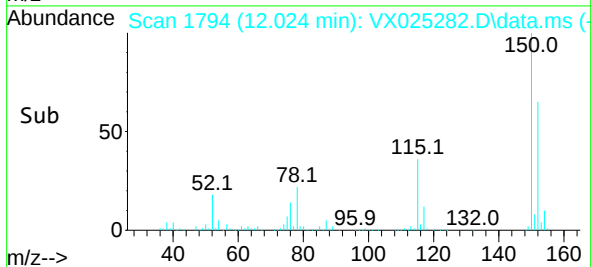
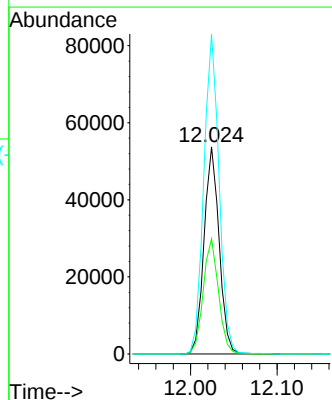
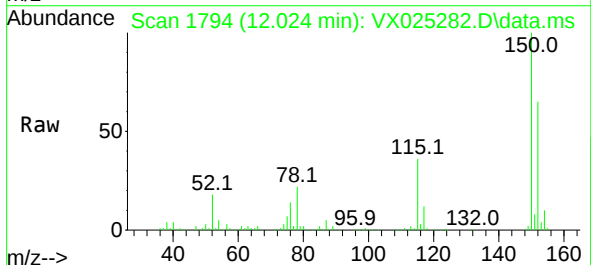
Instrument :
MSVOA_X
ClientSampleId :

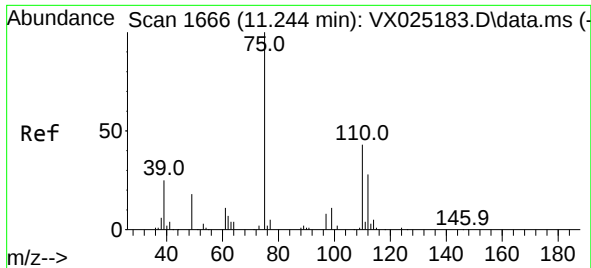
Tgt Ion:173 Resp: 450
Ion Ratio Lower Upper
173 100
175 51.3 24.3 73.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Tgt Ion:152 Resp: 65013
Ion Ratio Lower Upper
152 100
115 56.4 43.3 129.8
150 156.5 0.0 351.2

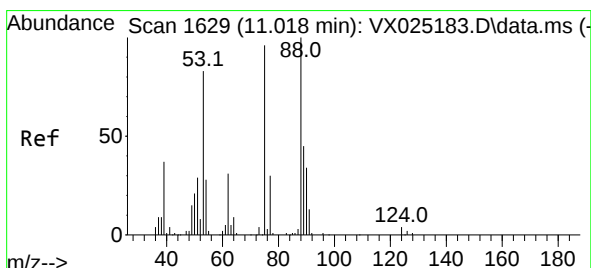
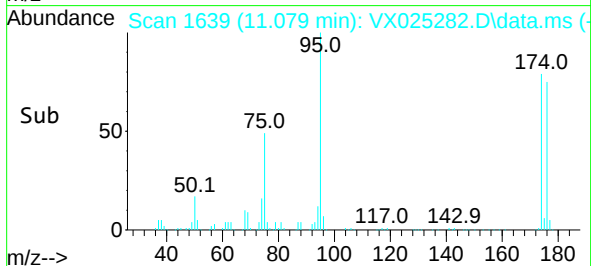
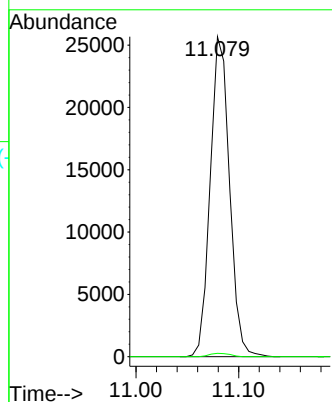
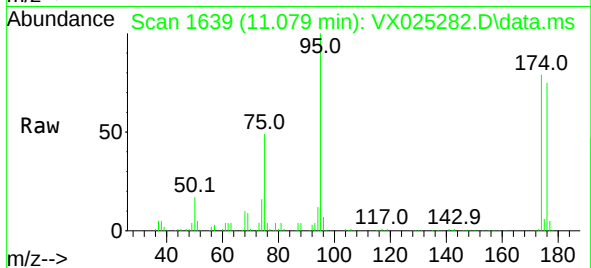




#76
1,2,3-Trichloropropane
Concen: 25.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

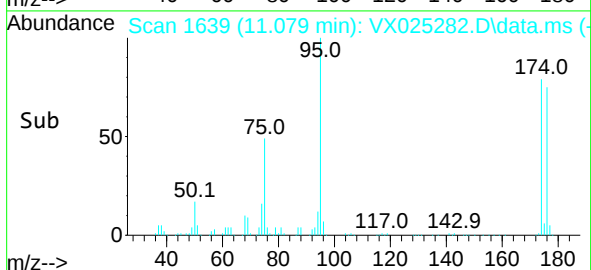
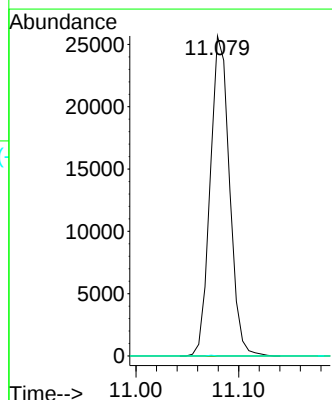
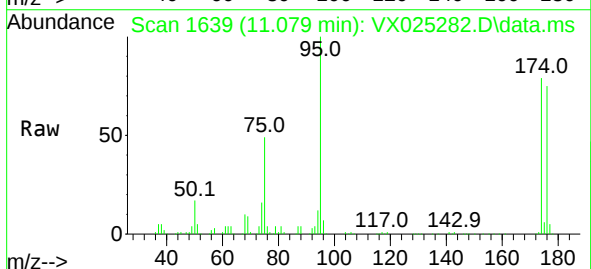
Instrument :
MSVOA_X
ClientSampleId :

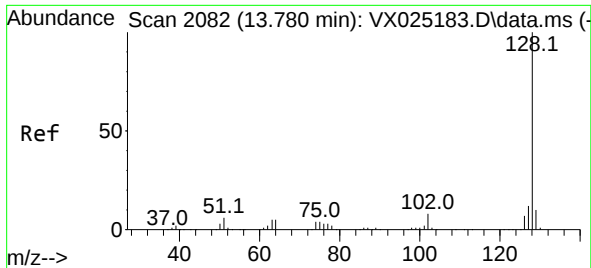
Tgt Ion: 75 Resp: 33565
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.512 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

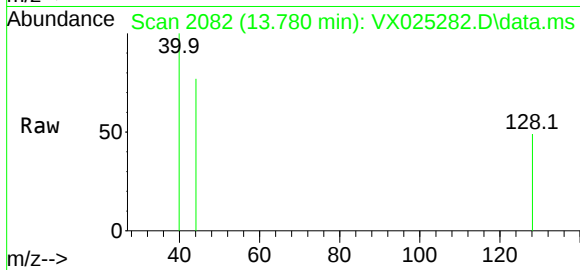
Tgt Ion: 75 Resp: 33565
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.1 38.2 57.2#





#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX025282.D
Acq: 23 Nov 2021 18:15

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 97
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

