

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033116.D
 Acq On : 29 Nov 2022 14:33
 Operator : JC/MD
 Sample : N5742-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-44

Quant Time: Nov 30 01:03:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

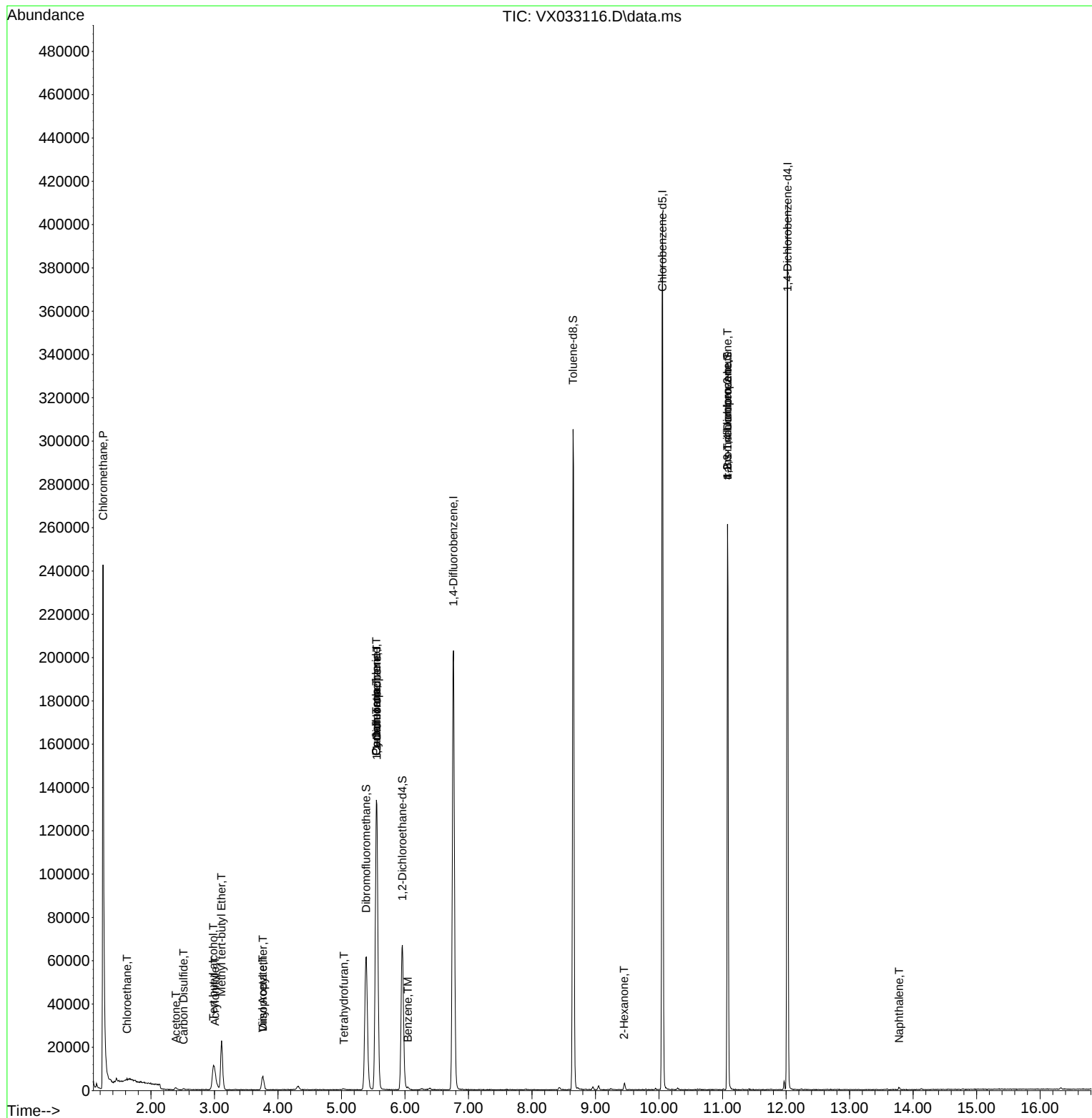
Internal Standards						
1) Pentafluorobenzene	5.550	168	128907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205875	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68080	54.319	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.640%	
35) Dibromofluoromethane	5.385	113	54767	47.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.380%	
50) Toluene-d8	8.647	98	181667	52.112	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.220%	
62) 4-Bromofluorobenzene	11.079	95	65881	43.211	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 86.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.246	50	5806	5.461	ug/l #	43
6) Chloroethane	1.624	64	1717	1.782	ug/l #	52
11) Tert butyl alcohol	2.983	59	22217	111.644	ug/l	99
15) Acrylonitrile	3.008	53	133	0.236	ug/l #	17
16) Acetone	2.392	43	1269	2.165	ug/l	99
17) Carbon Disulfide	2.514	76	625	0.201	ug/l #	74
19) Methyl tert-butyl Ether	3.111	73	23630	6.057	ug/l	100
20) Methylene Chloride	2.800	84	41	Below Cal	#	2
22) Diisopropyl ether	3.764	45	6592	1.667	ug/l #	84
23) Vinyl Acetate	3.757	43	3693	1.193	ug/l #	72
29) Tetrahydrofuran	5.038	42	419	0.817	ug/l #	64
31) Cyclohexane	5.550	56	2821	1.387	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10056	5.419	ug/l #	50
38) Carbon Tetrachloride	5.550	117	13371	6.495	ug/l #	16
40) Benzene	6.044	78	1171	0.225	ug/l #	88
59) 2-Hexanone	9.452	43	268	0.220	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	35055	22.231	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35055	72.259	ug/l #	6
95) Naphthalene	13.780	128	1097	0.206	ug/l #	85

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

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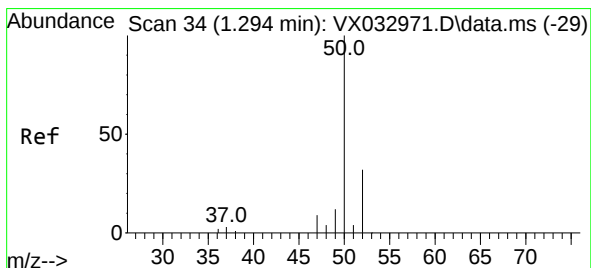
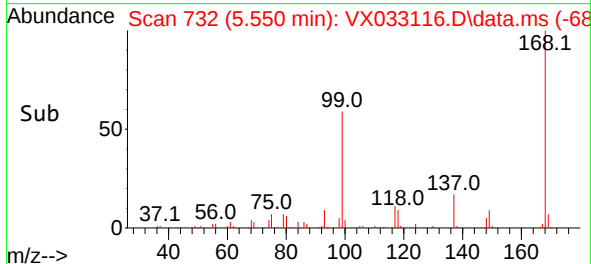
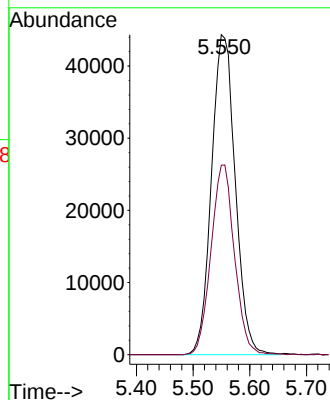
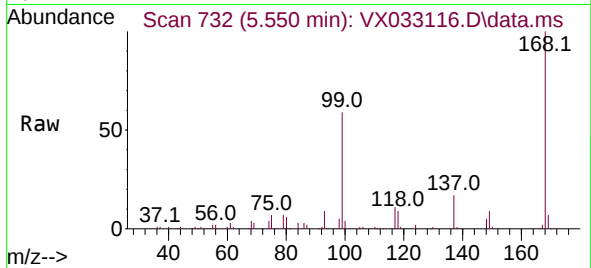




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

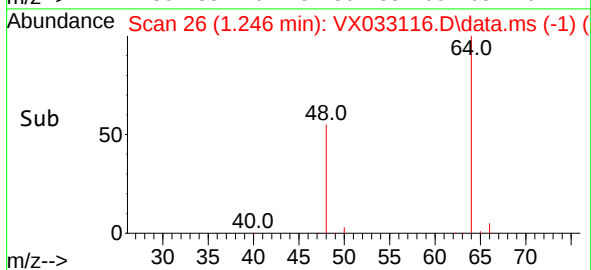
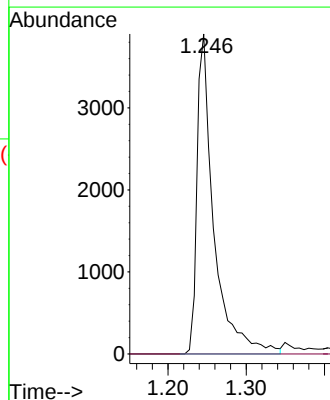
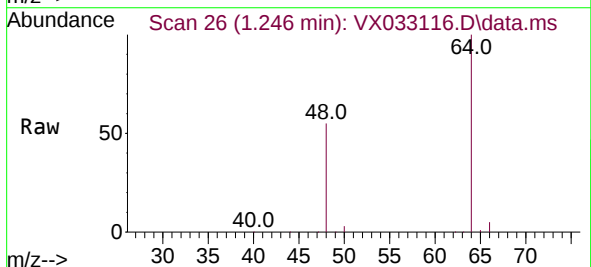
Instrument :
MSVOA_X
ClientSampleId :
MW-44

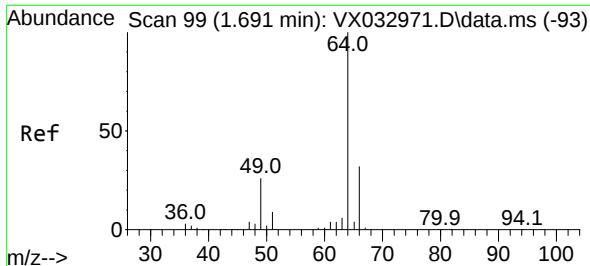
Tgt Ion:168 Resp: 128907
Ion Ratio Lower Upper
168 100
99 59.2 46.1 69.1



#3
Chloromethane
Concen: 5.461 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.048 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion: 50 Resp: 5806
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

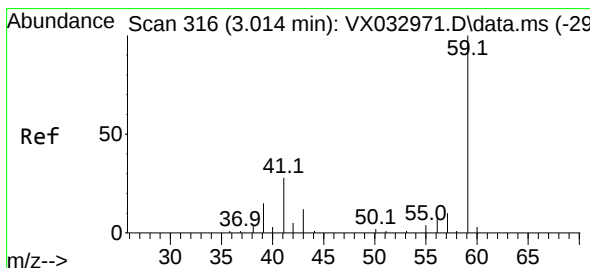
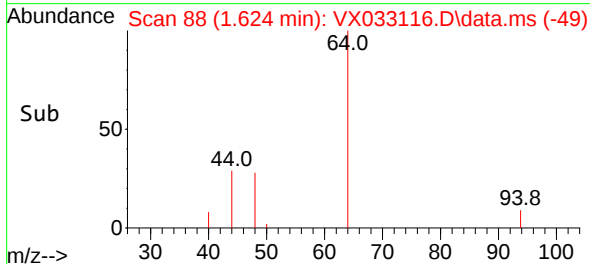
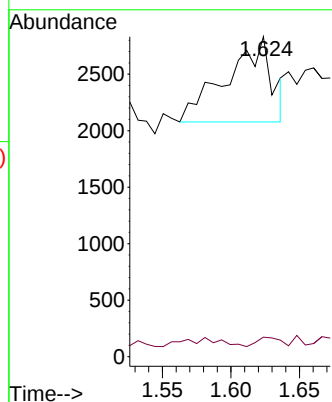
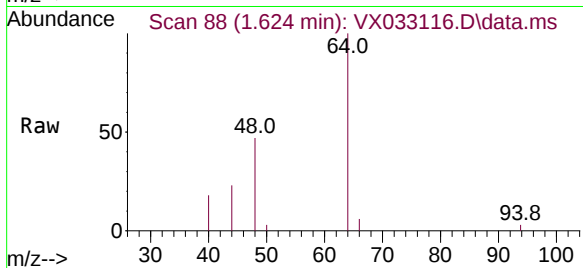




#6
Chloroethane
Concen: 1.782 ug/l
RT: 1.624 min Scan# 81
Delta R.T. -0.061 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

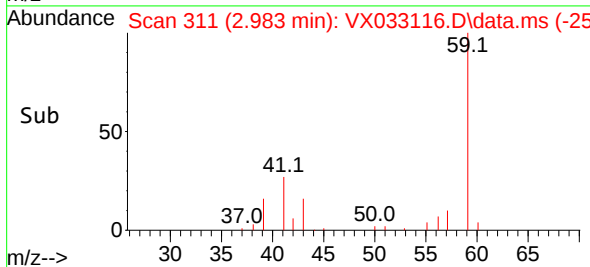
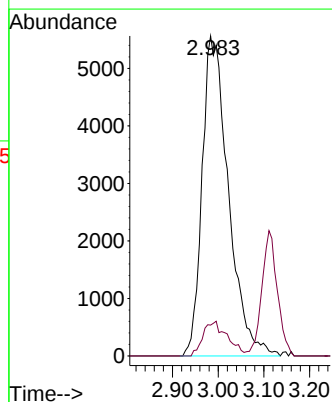
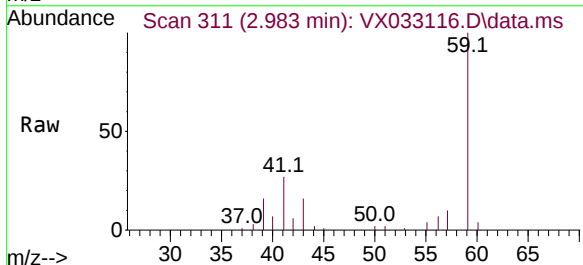
Instrument :
MSVOA_X
ClientSampleId :
MW-44

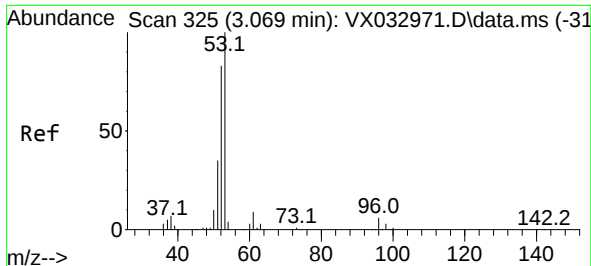
Tgt Ion: 64 Resp: 1717
Ion Ratio Lower Upper
64 100
66 5.6 26.0 39.0#



#11
Tert butyl alcohol
Concen: 111.644 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.018 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion: 59 Resp: 22217
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4





#15

Acrylonitrile

Concen: 0.236 ug/l

RT: 3.008 min Scan# 315

Delta R.T. -0.054 min

Lab File: VX033116.D

Acq: 29 Nov 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

MW-44

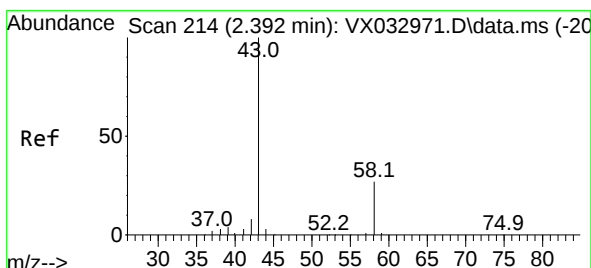
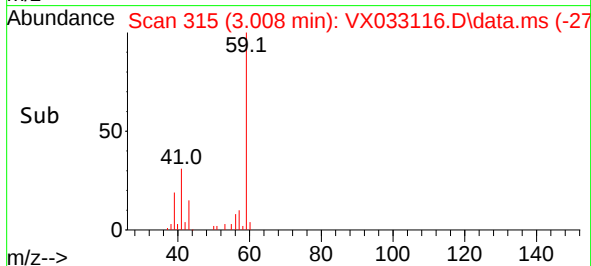
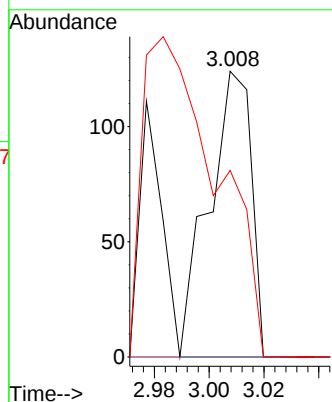
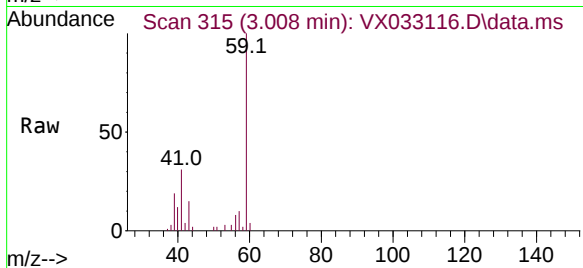
Tgt Ion: 53 Resp: 133

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 0.0 30.3 45.5#



#16

Acetone

Concen: 2.165 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX033116.D

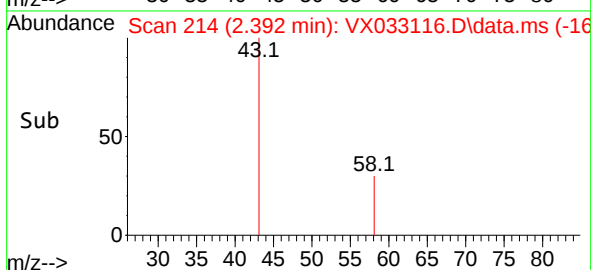
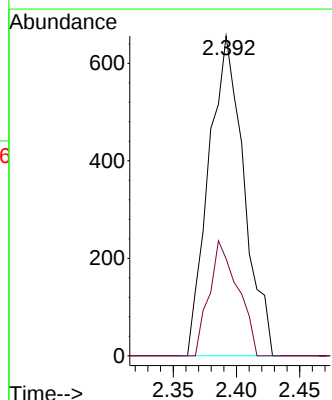
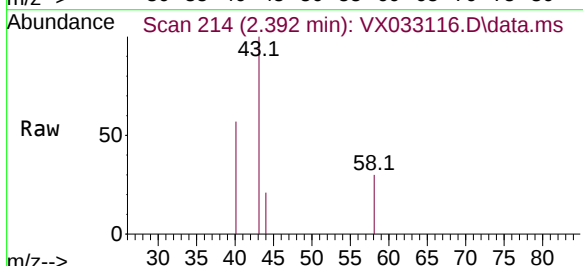
Acq: 29 Nov 2022 14:33

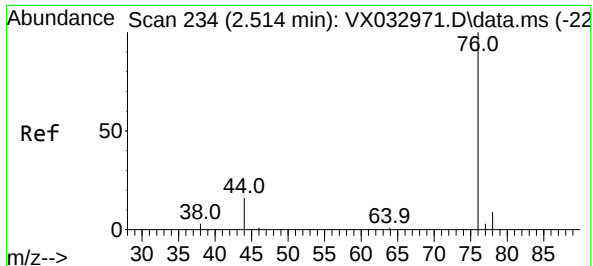
Tgt Ion: 43 Resp: 1269

Ion Ratio Lower Upper

43 100

58 30.3 23.8 35.8

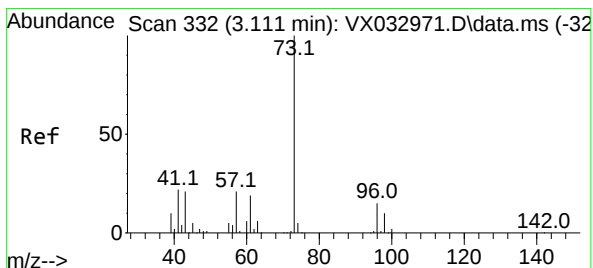
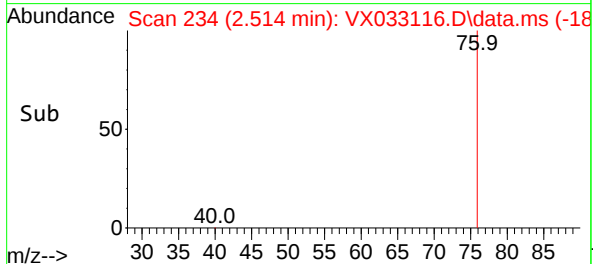
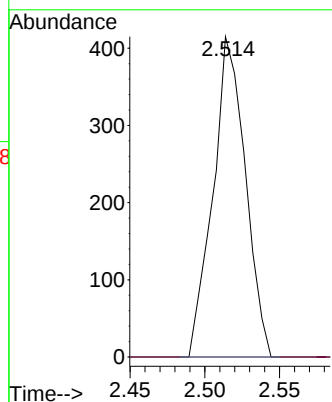
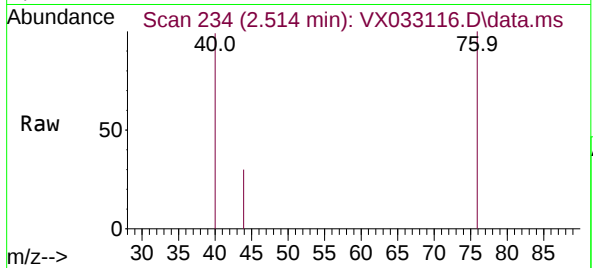




#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

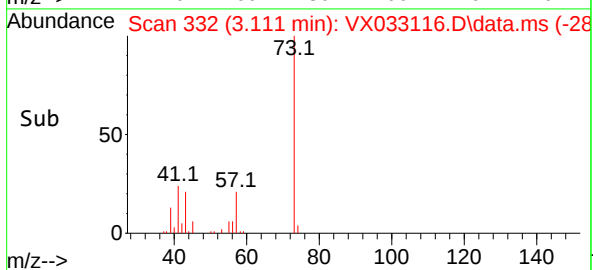
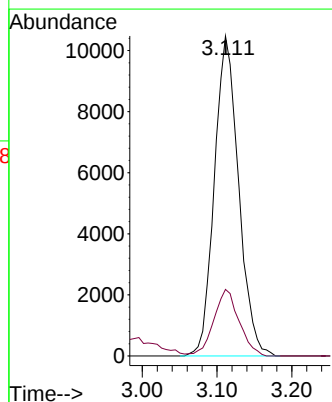
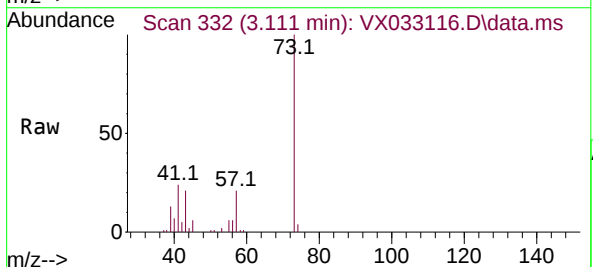
Instrument :
MSVOA_X
ClientSampleId :
MW-44

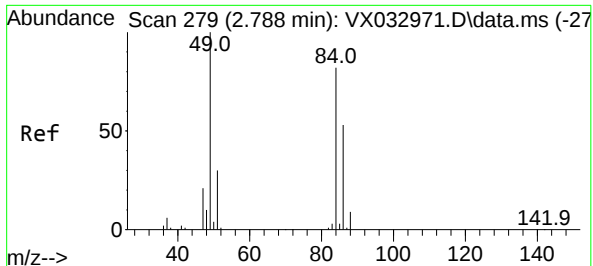
Tgt Ion: 76 Resp: 625
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#19
Methyl tert-butyl Ether
Concen: 6.057 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion: 73 Resp: 23630
Ion Ratio Lower Upper
73 100
57 20.8 16.6 25.0



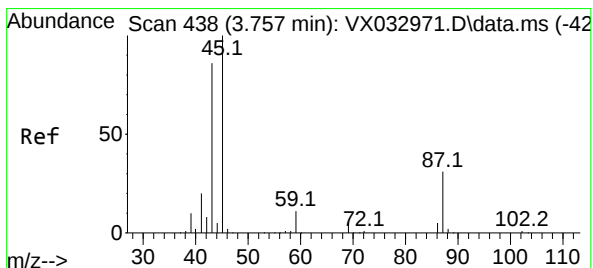
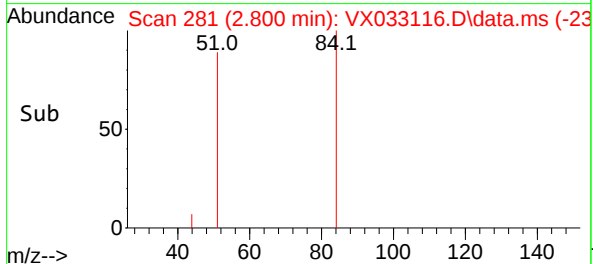
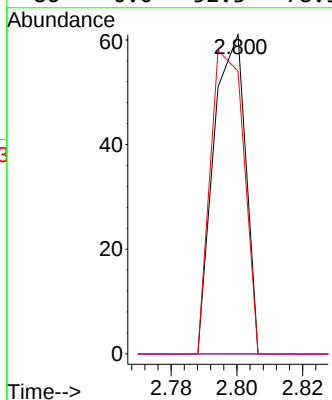
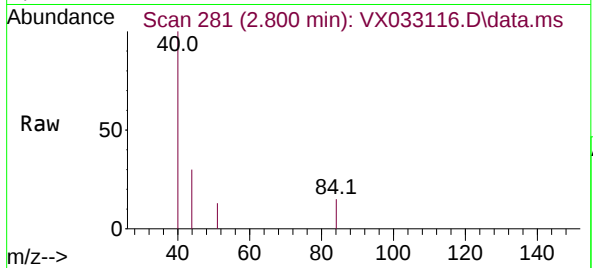


#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Instrument :
MSVOA_X
ClientSampleId :
MW-44

Tgt Ion: 84 Resp: 41

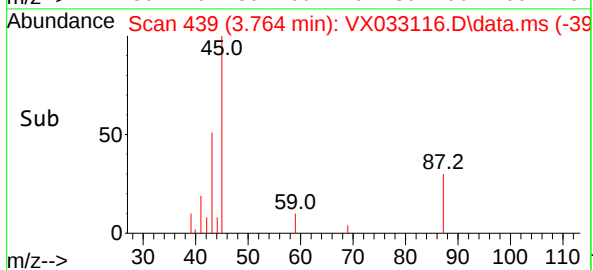
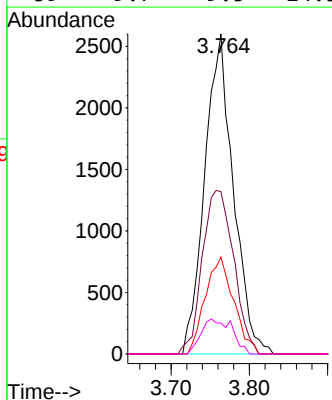
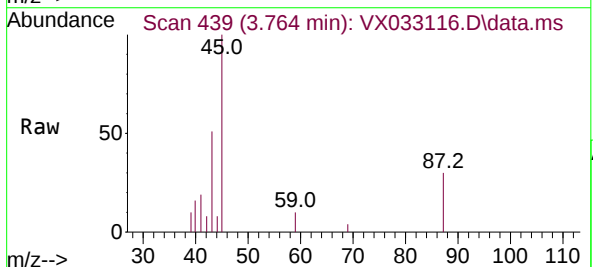
Ion	Ratio	Lower	Upper
84	100		
49	0.0	101.0	151.6#
51	88.5	31.1	46.7#
86	0.0	52.3	78.5#

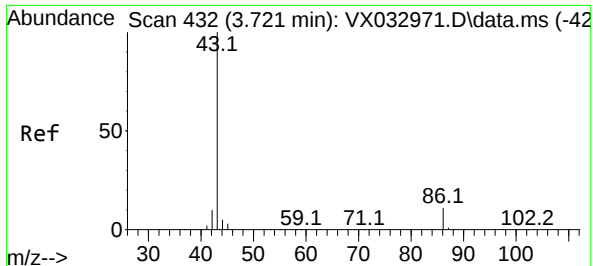


#22
Diisopropyl ether
Concen: 1.667 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion: 45 Resp: 6592

Ion	Ratio	Lower	Upper
45	100		
43	50.7	56.4	84.6#
87	30.3	24.4	36.6
59	9.7	9.5	14.3

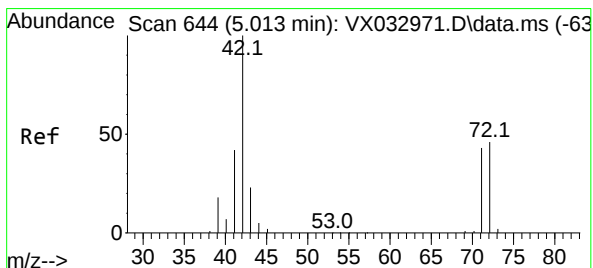
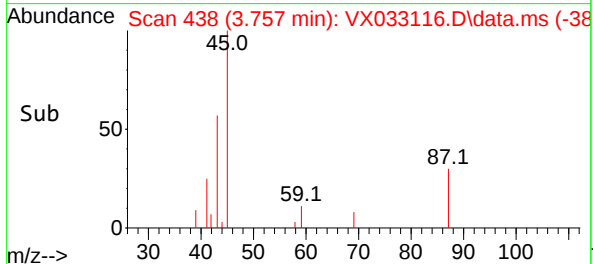
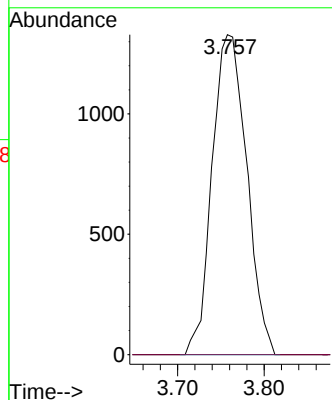
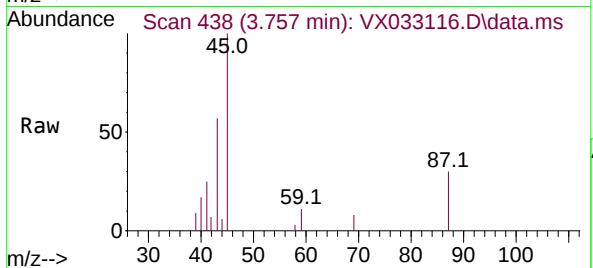




#23
 Vinyl Acetate
 Concen: 1.193 ug/l
 RT: 3.757 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: VX033116.D
 Acq: 29 Nov 2022 14:33

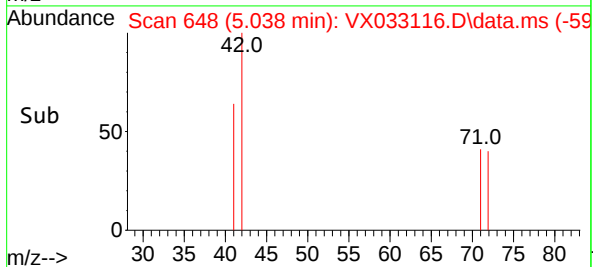
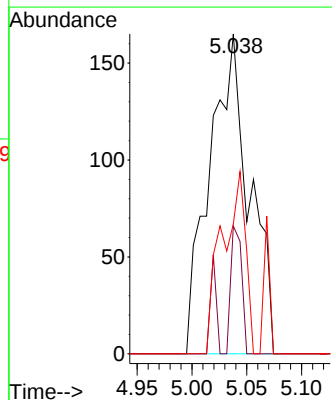
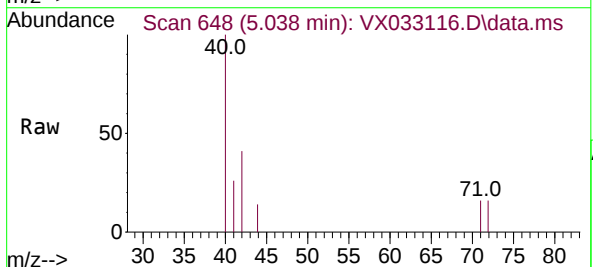
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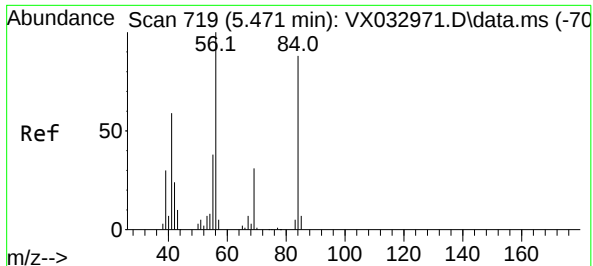
Tgt Ion: 43 Resp: 3693
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#29
 Tetrahydrofuran
 Concen: 0.817 ug/l
 RT: 5.038 min Scan# 648
 Delta R.T. 0.037 min
 Lab File: VX033116.D
 Acq: 29 Nov 2022 14:33

Tgt Ion: 42 Resp: 419
 Ion Ratio Lower Upper
 42 100
 72 10.7 37.6 56.4#
 71 33.4 34.7 52.1#

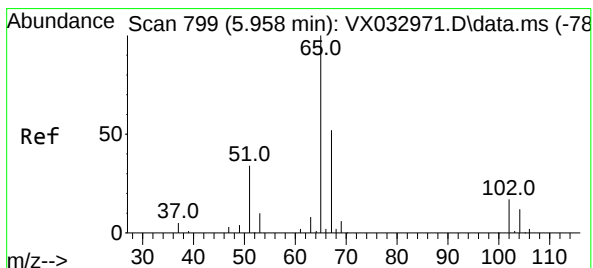
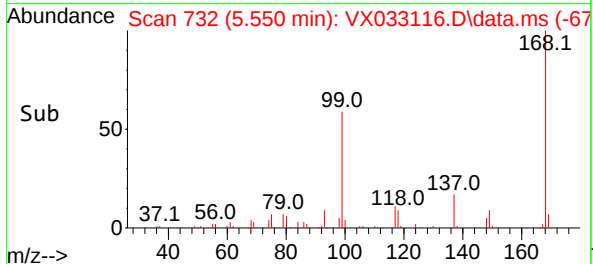
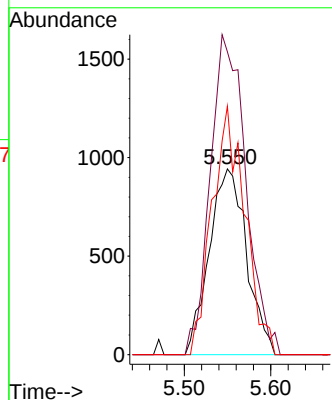
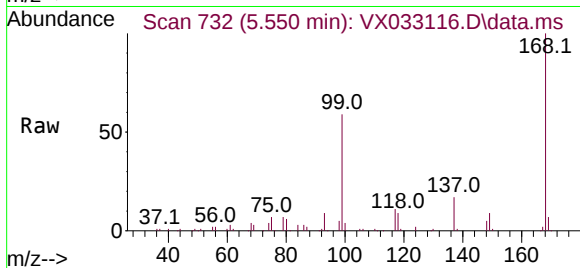




#31
Cyclohexane
Concen: 1.387 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

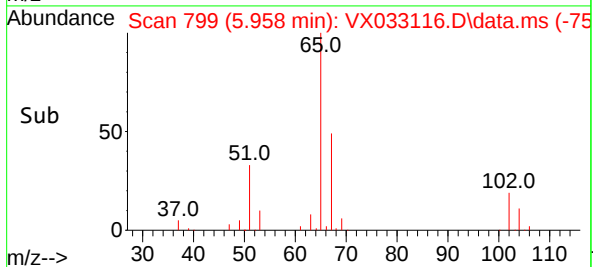
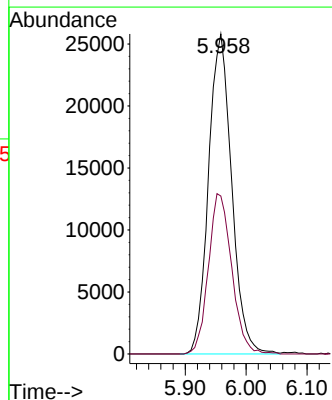
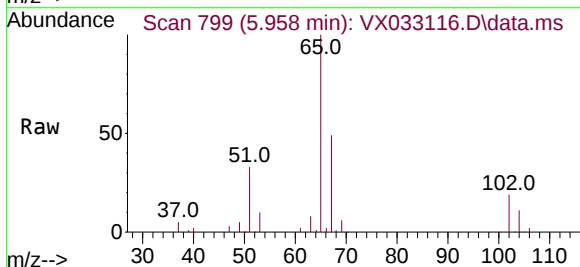
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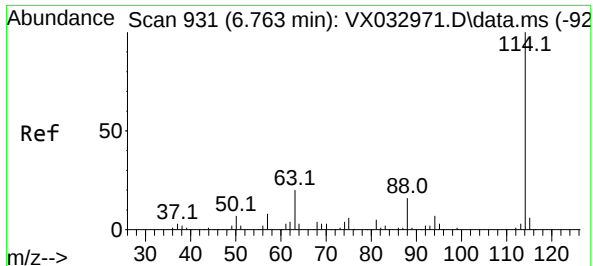
Tgt Ion: 56 Resp: 2821
Ion Ratio Lower Upper
56 100
69 163.0 24.1 36.1#
84 133.7 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 54.319 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion: 65 Resp: 68080
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

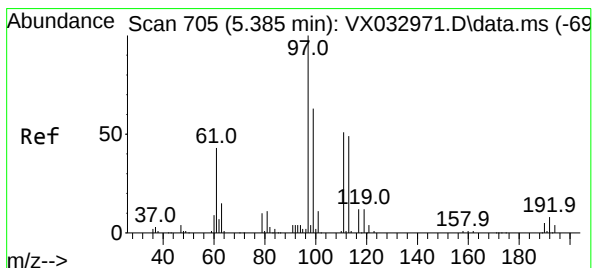
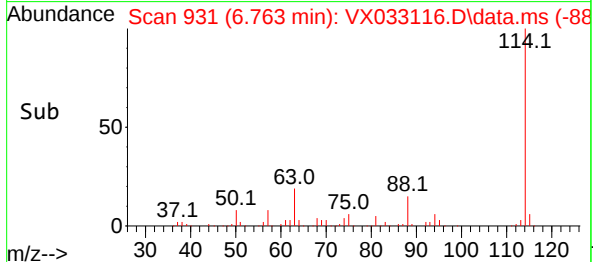
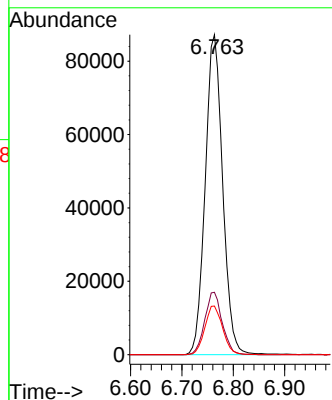
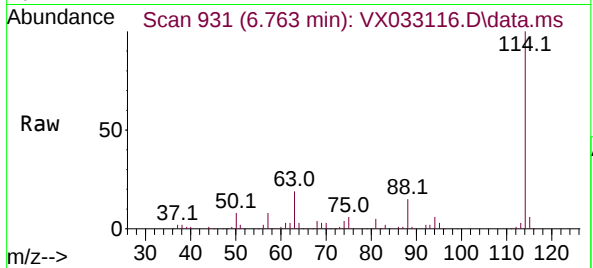




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

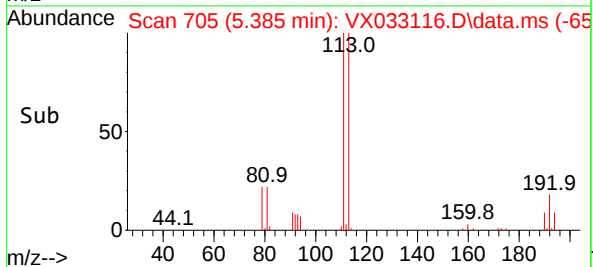
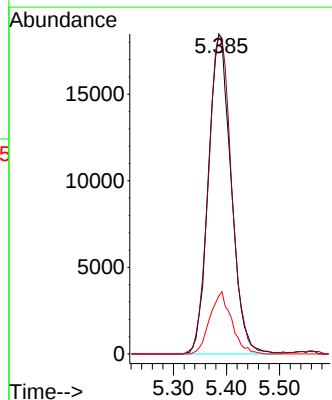
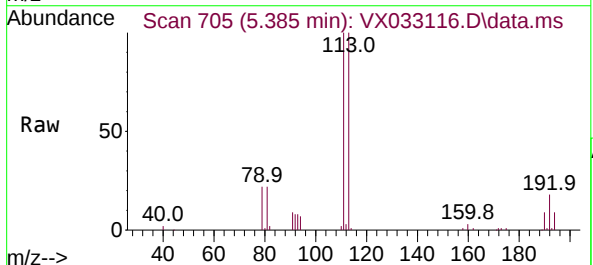
Instrument :
MSVOA_X
ClientSampleId :
MW-44

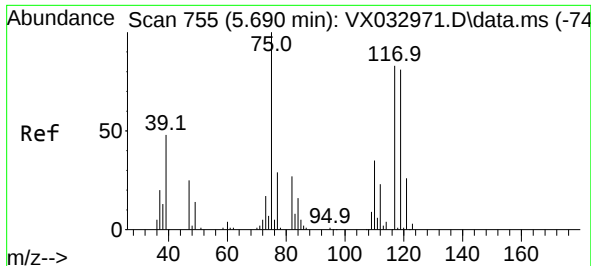
Tgt Ion:114 Resp: 205875
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.6
88 15.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.187 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion:113 Resp: 54767
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 18.7 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.419 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX033116.D

Acq: 29 Nov 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

MW-44

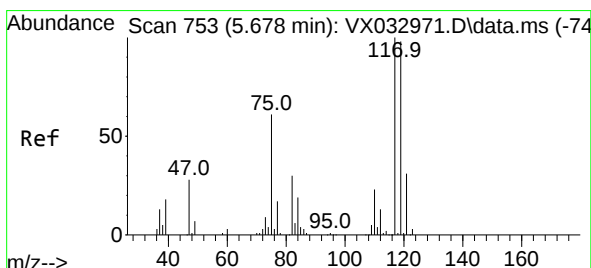
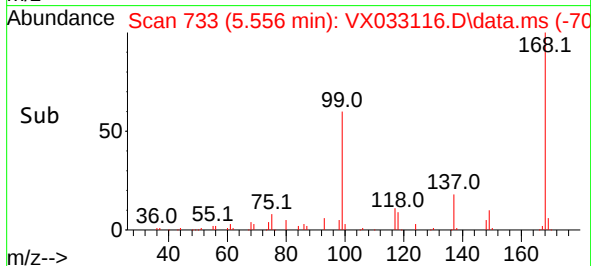
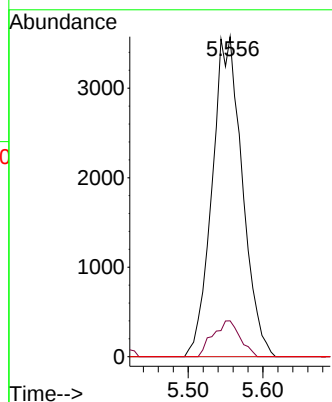
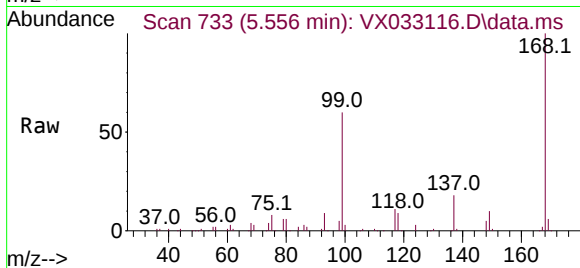
Tgt Ion: 75 Resp: 10056

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.2#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.495 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX033116.D

Acq: 29 Nov 2022 14:33

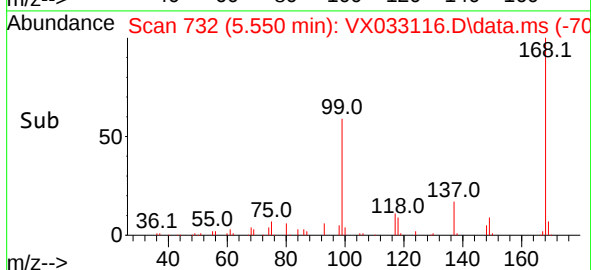
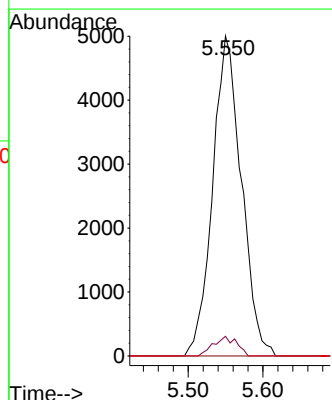
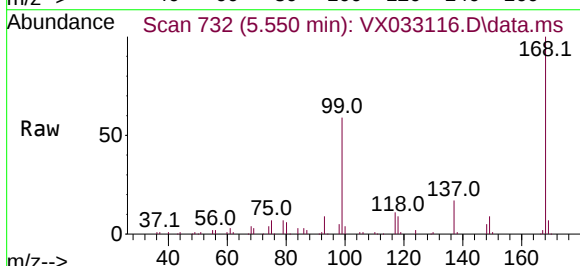
Tgt Ion: 117 Resp: 13371

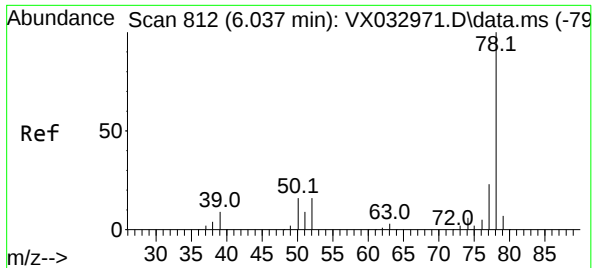
Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

121 0.0 25.8 38.6#

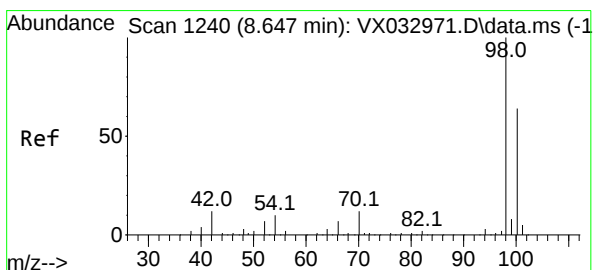
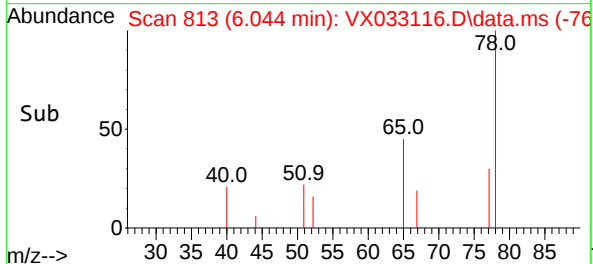
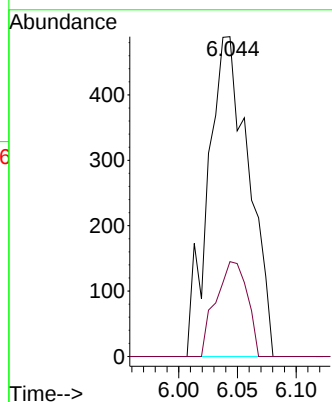
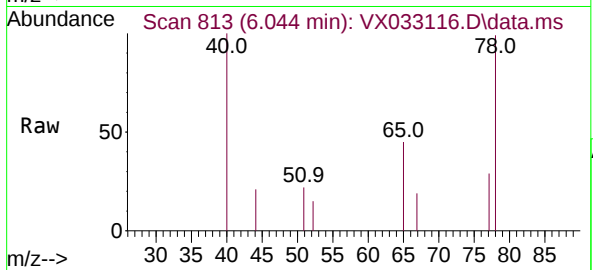




#40
Benzene
Concen: 0.225 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

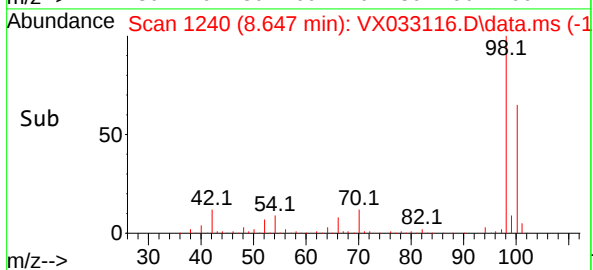
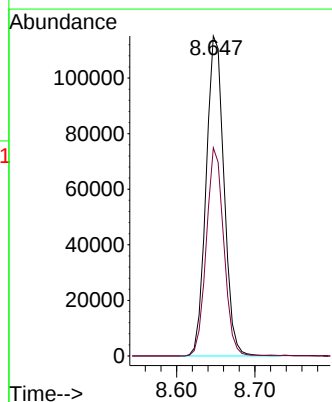
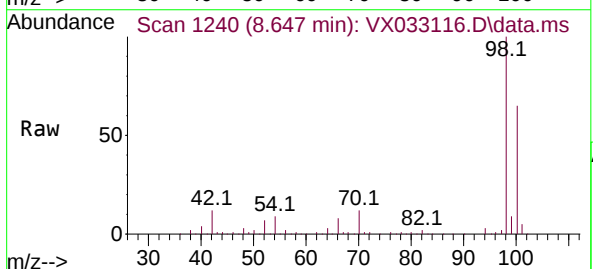
Instrument :
MSVOA_X
ClientSampleId :
MW-44

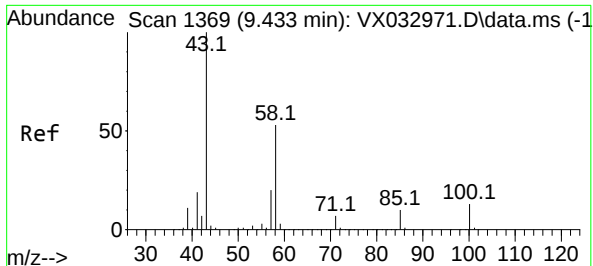
Tgt Ion: 78 Resp: 1171
Ion Ratio Lower Upper
78 100
77 29.7 19.0 28.4#



#50
Toluene-d8
Concen: 52.112 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion: 98 Resp: 181667
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

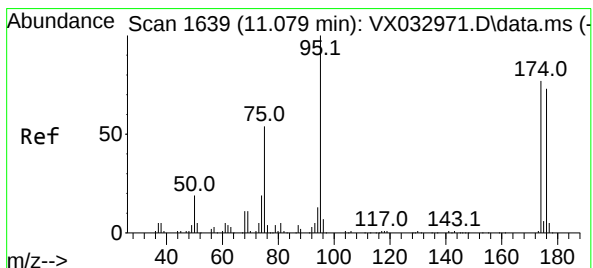
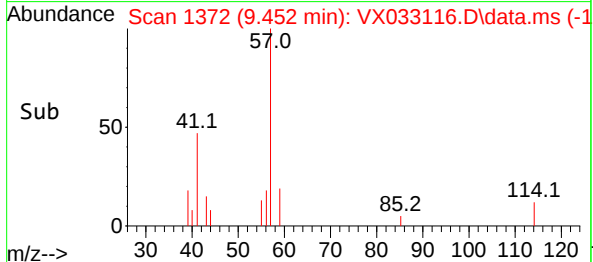
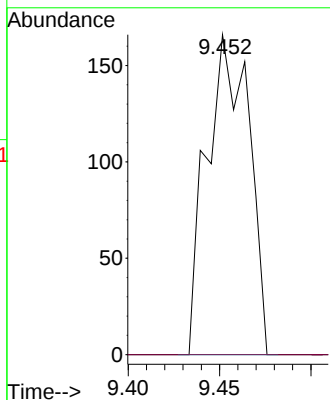
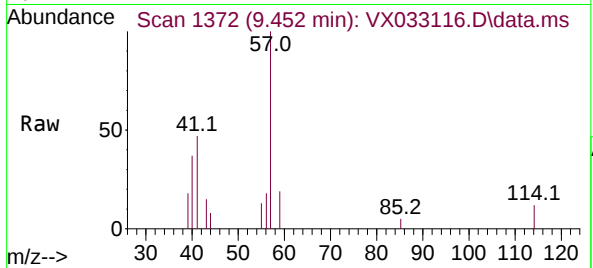




#59
2-Hexanone
Concen: 0.220 ug/l
RT: 9.452 min Scan# 11
Delta R.T. 0.019 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

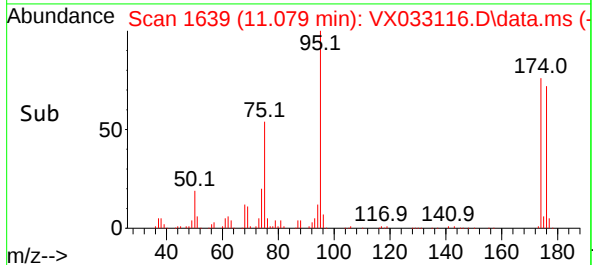
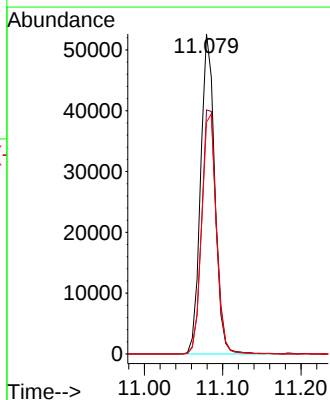
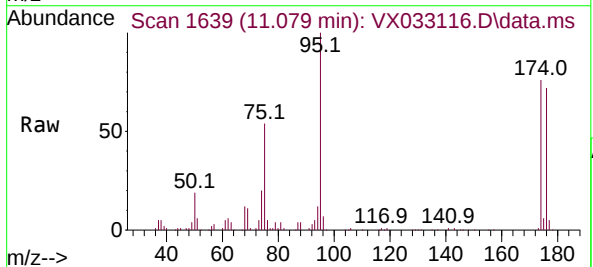
Instrument :
MSVOA_X
ClientSampleId :
MW-44

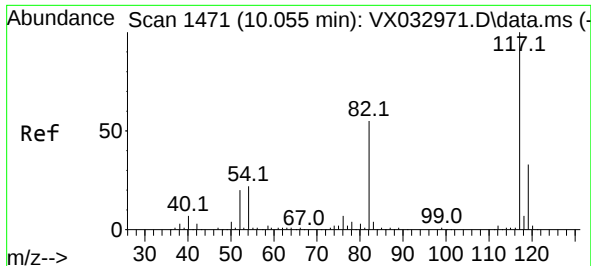
Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 43.211 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion: 95 Resp: 65881
Ion Ratio Lower Upper
95 100
174 79.7 0.0 164.0
176 77.5 0.0 154.4

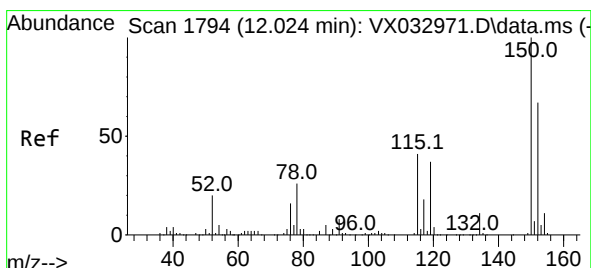
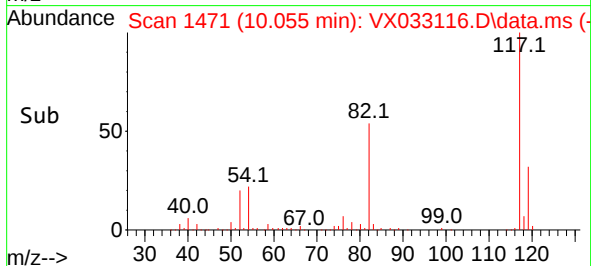
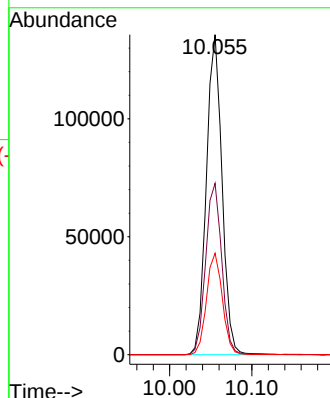
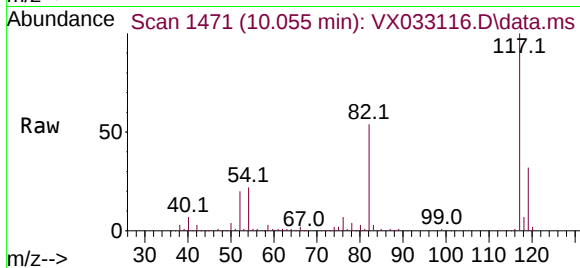




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

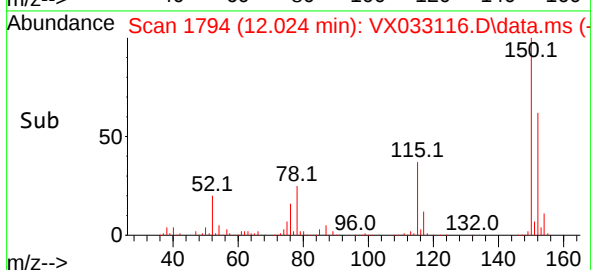
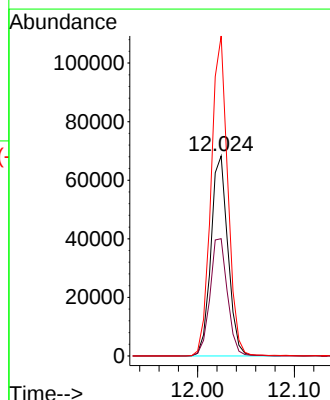
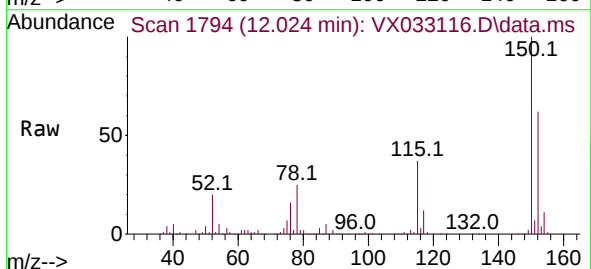
Instrument :
MSVOA_X
ClientSampleId :
MW-44

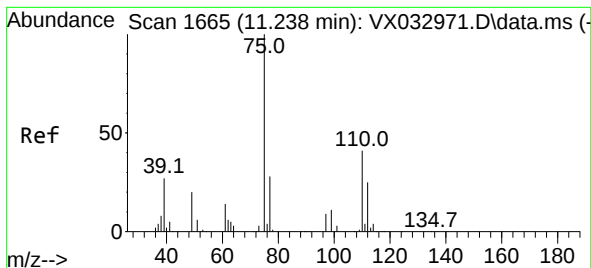
Tgt Ion:117 Resp: 179366
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Tgt Ion:152 Resp: 83264
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 157.9 0.0 351.8





#76

1,2,3-Trichloropropane

Concen: 22.231 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033116.D

Acq: 29 Nov 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

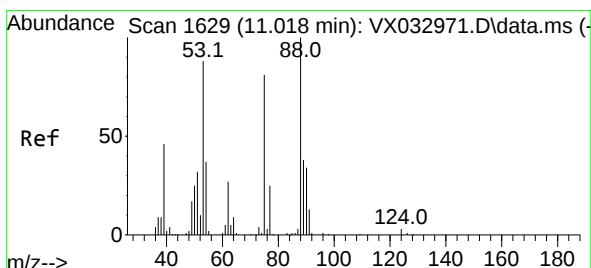
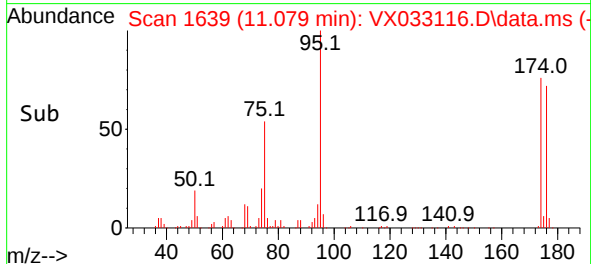
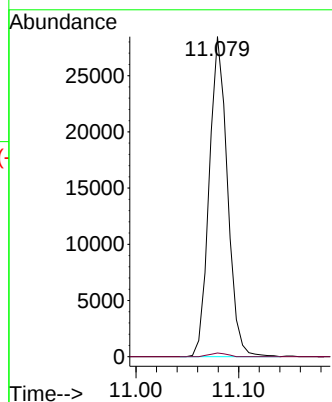
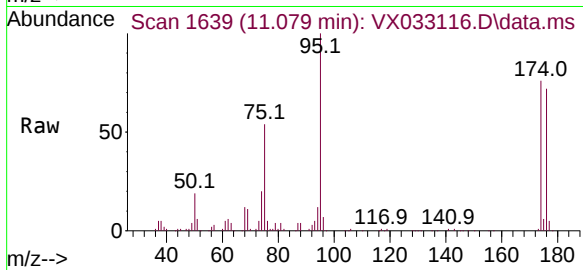
MW-44

Tgt Ion: 75 Resp: 35055

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.259 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033116.D

Acq: 29 Nov 2022 14:33

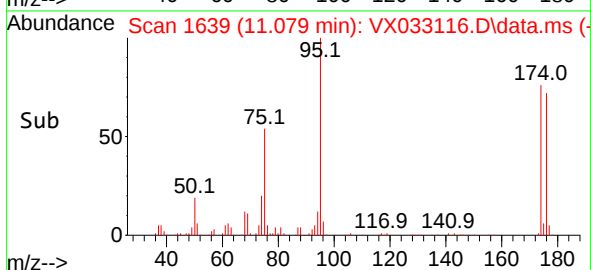
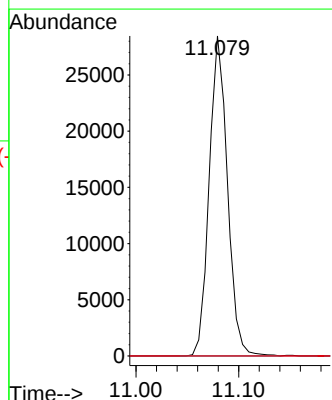
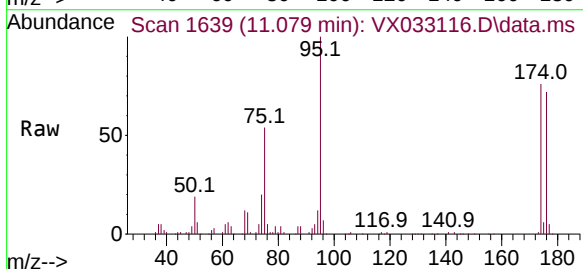
Tgt Ion: 75 Resp: 35055

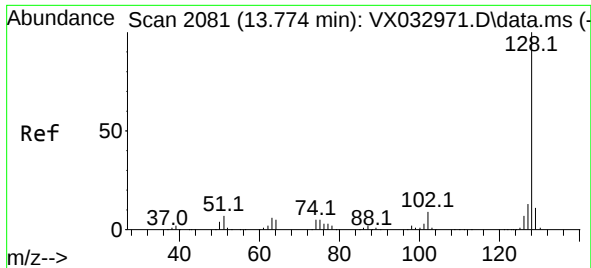
Ion Ratio Lower Upper

75 100

53 0.0 86.9 130.3#

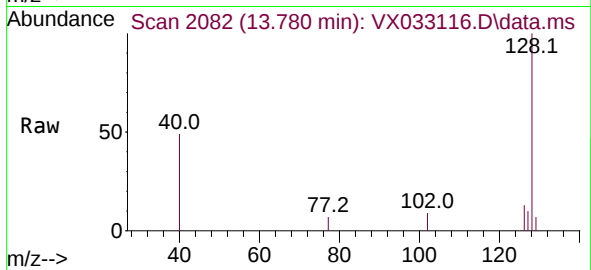
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 0.206 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033116.D
Acq: 29 Nov 2022 14:33

Instrument :
MSVOA_X
ClientSampleId :
MW-44



Tgt Ion:128 Resp: 1097
Ion Ratio Lower Upper
128 100
127 7.6 10.2 15.4#
129 4.3 8.9 13.3#

