

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103122\
 Data File : VX032489.D
 Acq On : 31 Oct 2022 15:43
 Operator : JC/MD
 Sample : N5340-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-102722

Quant Time: Nov 01 05:11:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

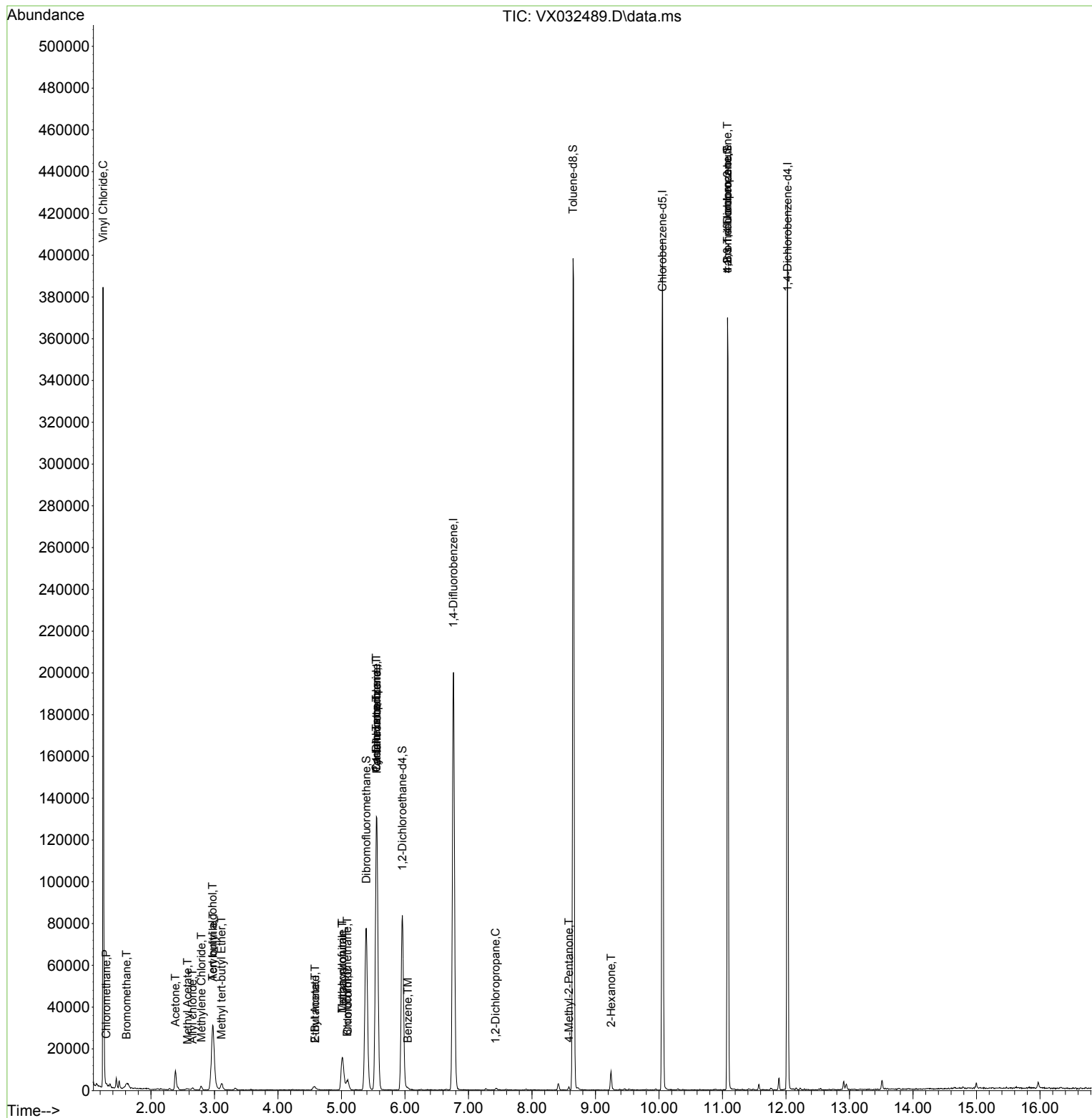
Internal Standards						
1) Pentafluorobenzene	5.556	168	124415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202764	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82199	47.549	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.100%		
35) Dibromofluoromethane	5.391	113	66317	45.852	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.700%		
50) Toluene-d8	8.647	98	242258	48.170	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.340%		
62) 4-Bromofluorobenzene	11.079	95	94462	48.084	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.160%		
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	376	0.310	ug/l	100
4) Vinyl Chloride	1.246	62	2975	2.228	ug/l #	42
5) Bromomethane	1.618	94	329	0.308	ug/l #	61
11) Tert butyl alcohol	2.971	59	48404	192.375	ug/l	98
14) Allyl chloride	2.654	41	1222	0.614	ug/l #	39
15) Acrylonitrile	2.977	53	617	0.904	ug/l #	7
16) Acetone	2.386	43	9407	14.972	ug/l	93
18) Methyl Acetate	2.575	43	416	0.204	ug/l #	51
19) Methyl tert-butyl Ether	3.111	73	3004	0.685	ug/l	93
20) Methylene Chloride	2.794	84	921	0.639	ug/l #	81
25) 2-Butanone	4.587	43	1124	1.155	ug/l #	47
28) Bromochloromethane	5.093	49	323	0.366	ug/l #	9
29) Tetrahydrofuran	5.013	42	14966	24.111	ug/l	100
30) Chloroform	5.099	83	5211	1.919	ug/l	98
31) Cyclohexane	5.550	56	2814	1.343	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	9885	4.908	ug/l #	49
37) Ethyl Acetate	4.587	43	1124	0.536	ug/l #	67
38) Carbon Tetrachloride	5.550	117	13278	5.944	ug/l #	16
40) Benzene	6.044	78	1300	0.228	ug/l	93
41) Methacrylonitrile	5.013	41	8947	8.377	ug/l #	46
45) 1,2-Dichloropropane	7.428	63	334	0.228	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	856	0.422	ug/l #	84
59) 2-Hexanone	9.244	43	5125	3.407	ug/l	71
76) 1,2,3-Trichloropropane	11.079	75	50297	26.731	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	50297	85.057	ug/l #	6

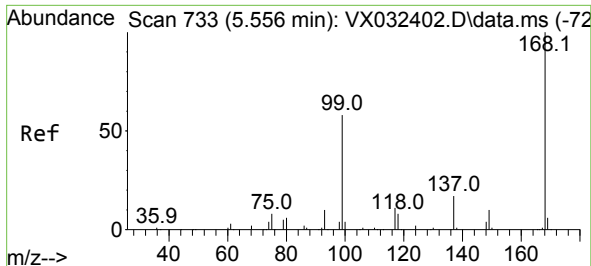
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 27 08:28:06 2022
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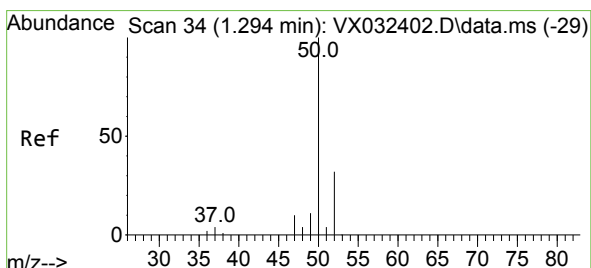
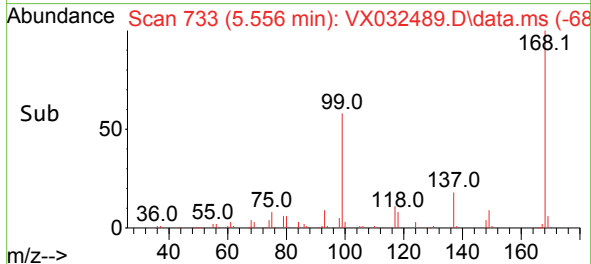
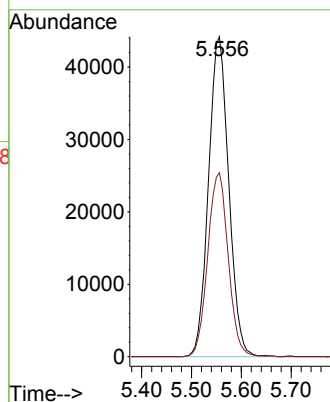
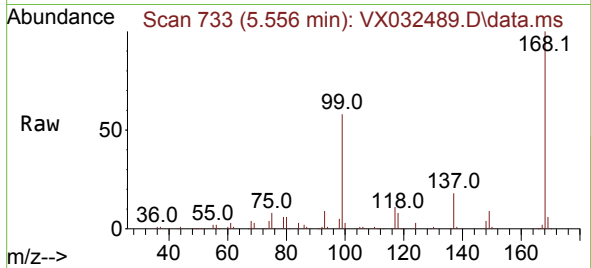




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

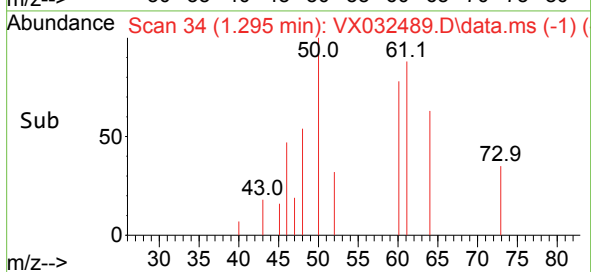
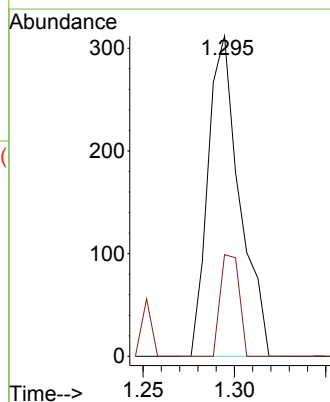
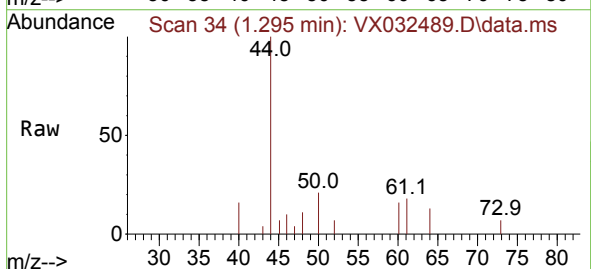
Instrument :
MSVOA_X
ClientSampleId :
MW-8-102722

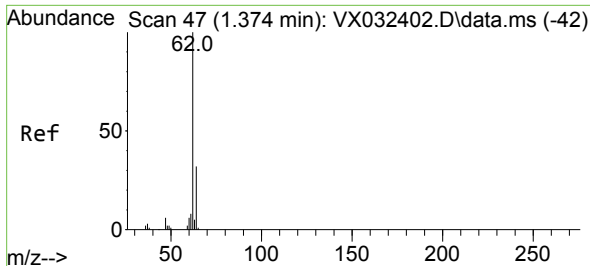
Tgt Ion:168 Resp: 124415
Ion Ratio Lower Upper
168 100
99 57.5 46.1 69.1



#3
Chloromethane
Concen: 0.310 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 50 Resp: 376
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.2

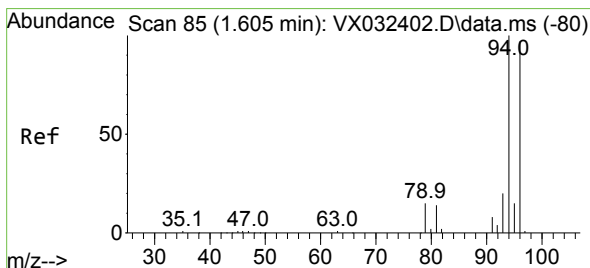
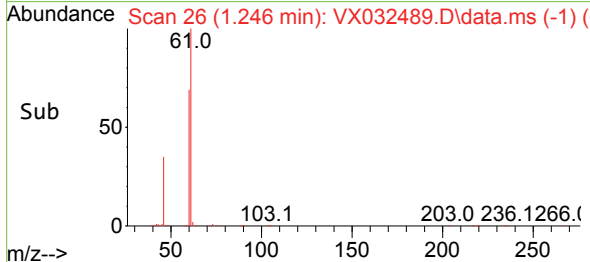
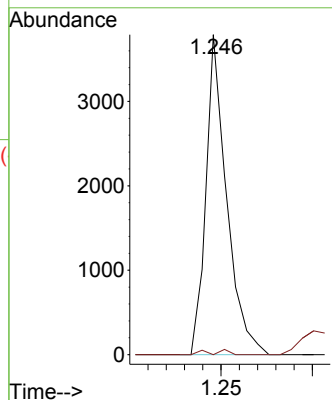
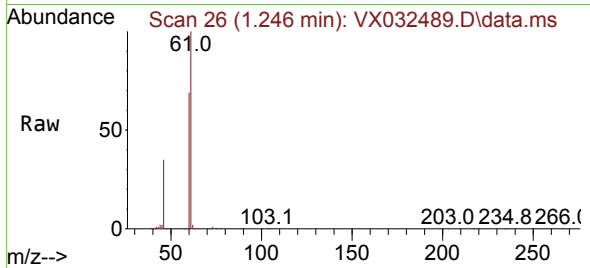




#4
 Vinyl Chloride
 Concen: 2.228 ug/l
 RT: 1.246 min Scan# 2
 Delta R.T. -0.128 min
 Lab File: VX032489.D
 Acq: 31 Oct 2022 15:43

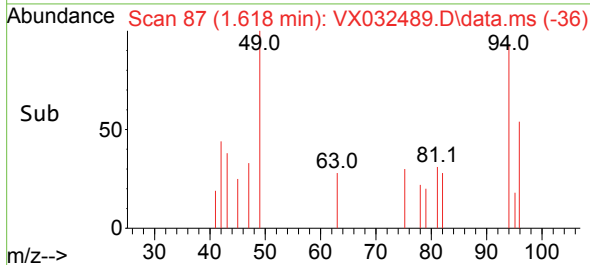
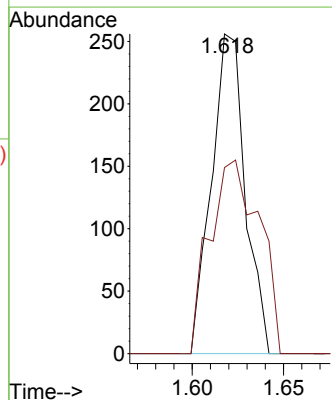
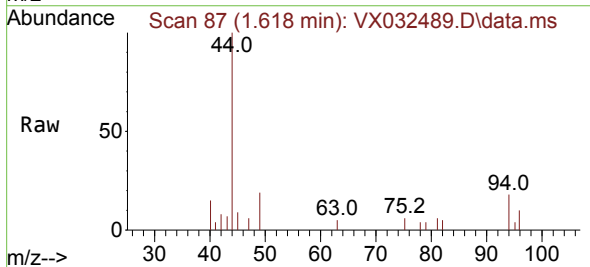
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-102722

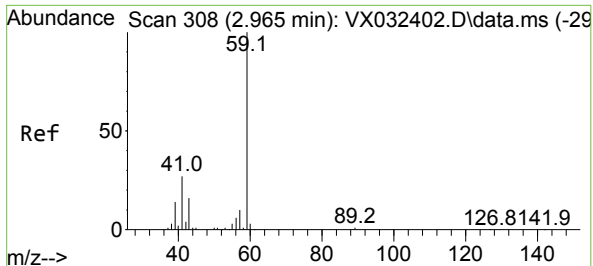
Tgt Ion: 62 Resp: 2975
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.8 38.6#



#5
 Bromomethane
 Concen: 0.308 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX032489.D
 Acq: 31 Oct 2022 15:43

Tgt Ion: 94 Resp: 329
 Ion Ratio Lower Upper
 94 100
 96 58.2 77.6 116.4#





#11

Tert butyl alcohol

Concen: 192.375 ug/l

RT: 2.971 min Scan# 308

Delta R.T. 0.006 min

Lab File: VX032489.D

Acq: 31 Oct 2022 15:43

Instrument :

MSVOA_X

ClientSampleId :

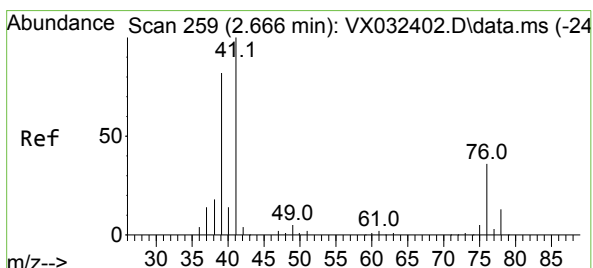
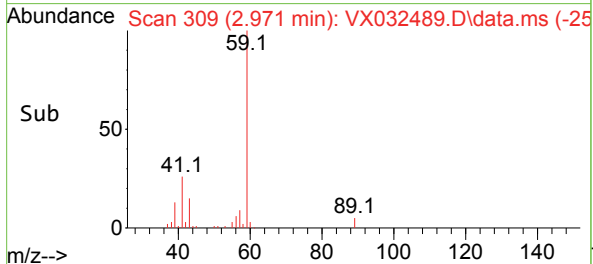
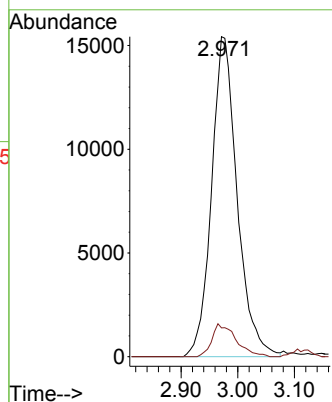
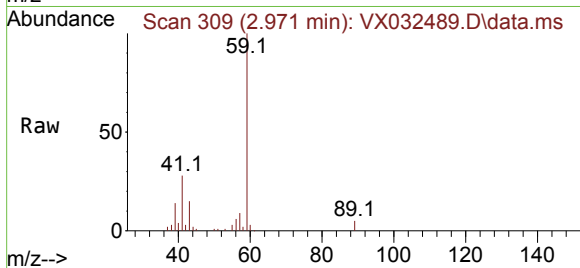
MW-8-102722

Tgt Ion: 59 Resp: 48404

Ion Ratio Lower Upper

59 100

57 9.7 8.2 12.4



#14

Allyl chloride

Concen: 0.614 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.012 min

Lab File: VX032489.D

Acq: 31 Oct 2022 15:43

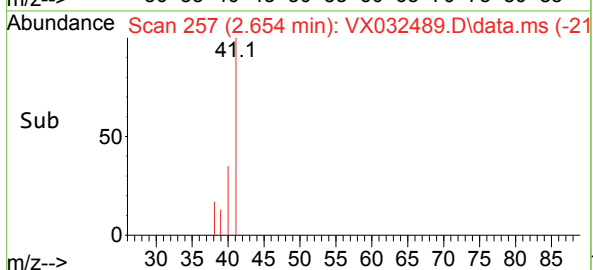
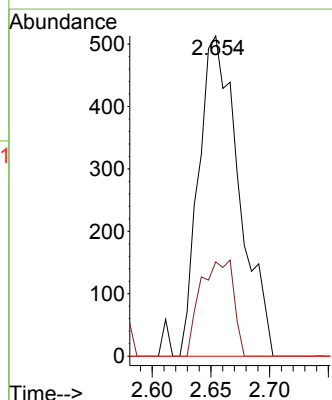
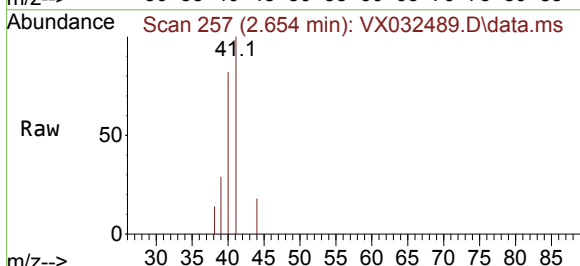
Tgt Ion: 41 Resp: 1222

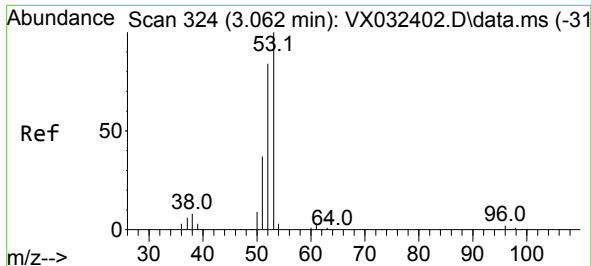
Ion Ratio Lower Upper

41 100

39 24.6 61.4 92.2#

76 0.0 29.2 43.8#

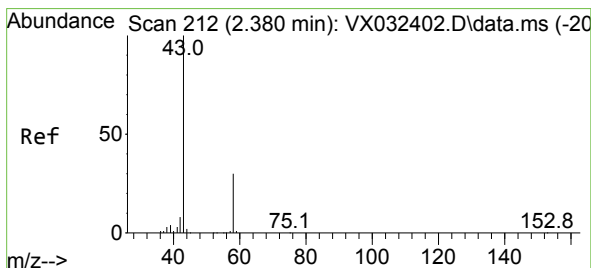
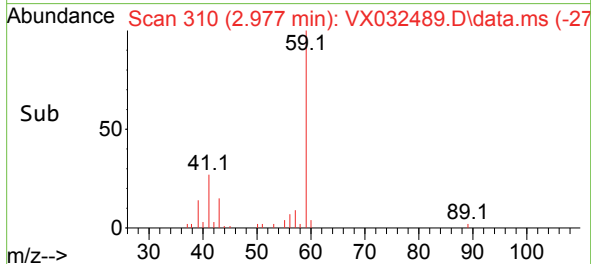
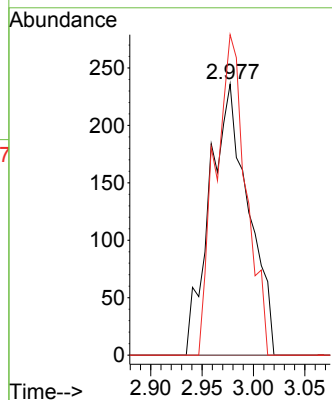
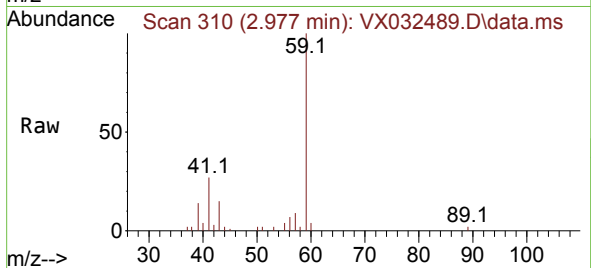




#15
Acrylonitrile
Concen: 0.904 ug/l
RT: 2.977 min Scan# 31
Delta R.T. -0.085 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

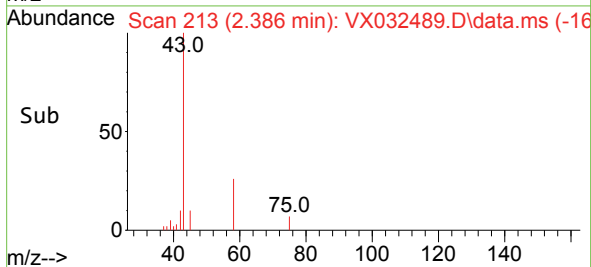
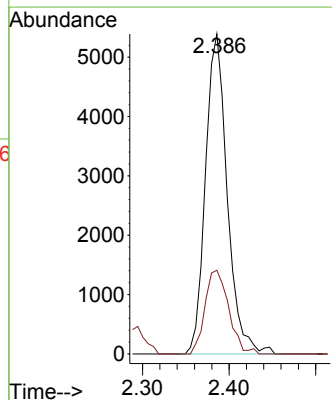
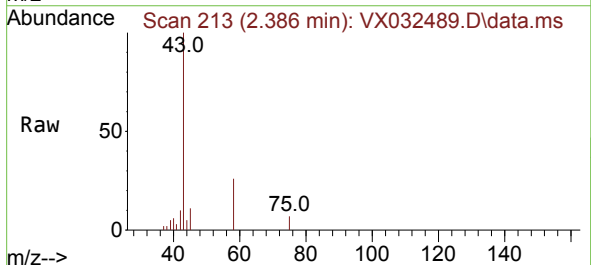
Instrument :
MSVOA_X
ClientSampleId :
MW-8-102722

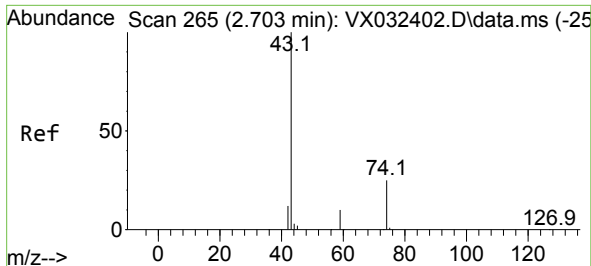
Tgt Ion: 53 Resp: 617
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 94.5 30.3 45.5#



#16
Acetone
Concen: 14.972 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 43 Resp: 9407
Ion Ratio Lower Upper
43 100
58 26.2 23.8 35.8

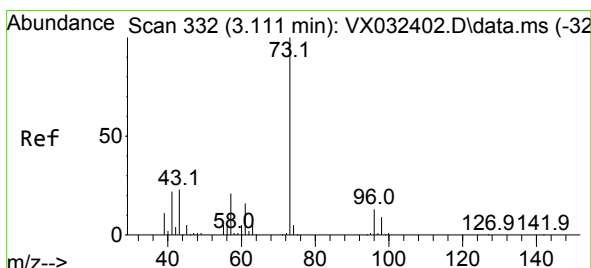
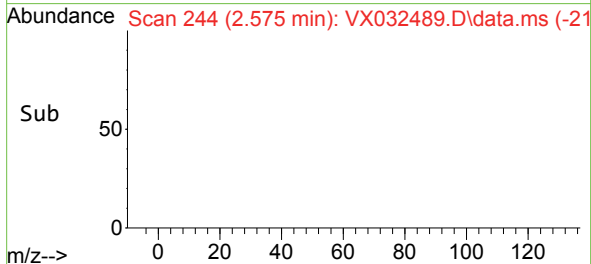
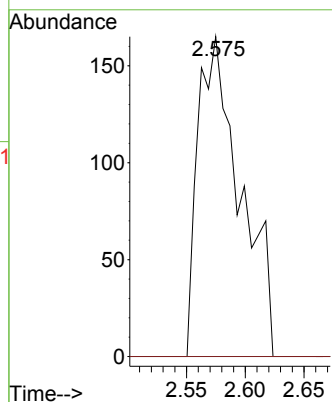
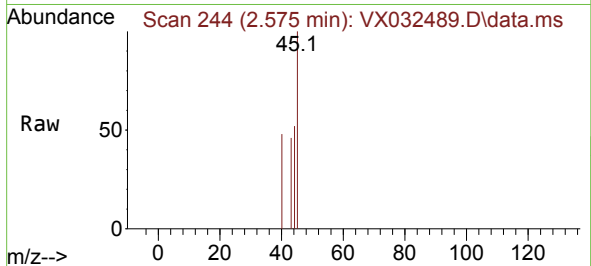




#18
Methyl Acetate
Concen: 0.204 ug/l
RT: 2.575 min Scan# 244
Delta R.T. -0.128 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

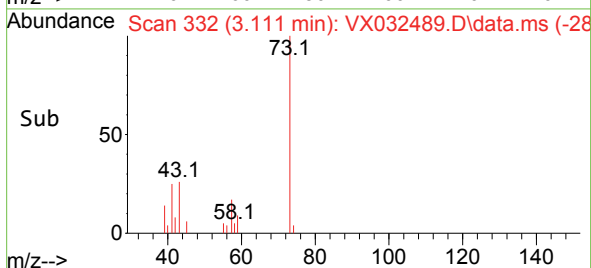
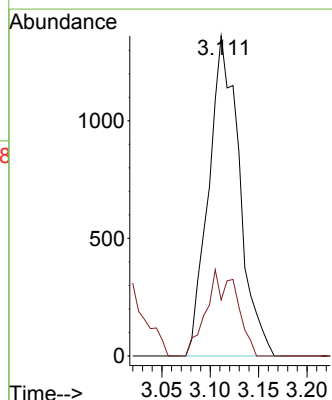
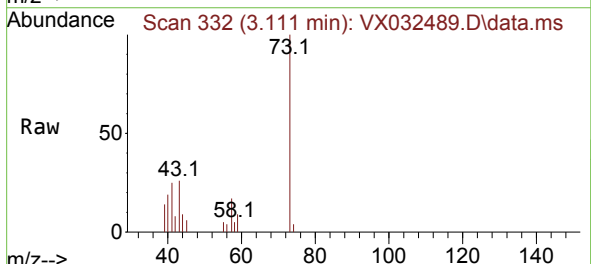
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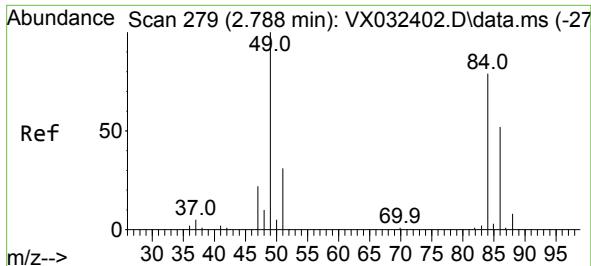
Tgt Ion: 43 Resp: 416
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#



#19
Methyl tert-butyl Ether
Concen: 0.685 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 73 Resp: 3004
Ion Ratio Lower Upper
73 100
57 17.5 16.6 25.0

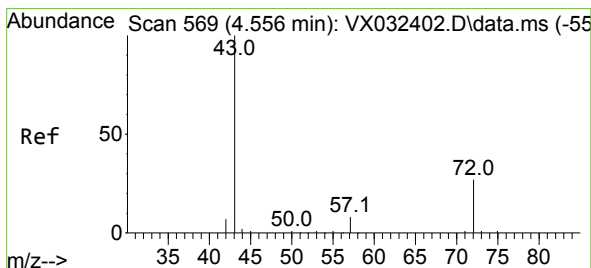
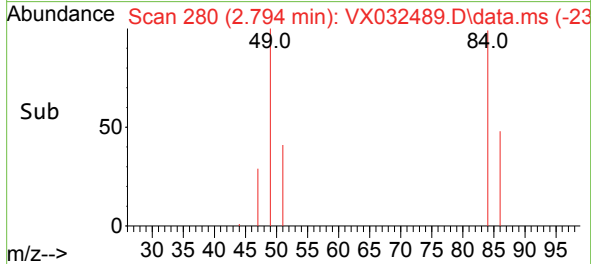
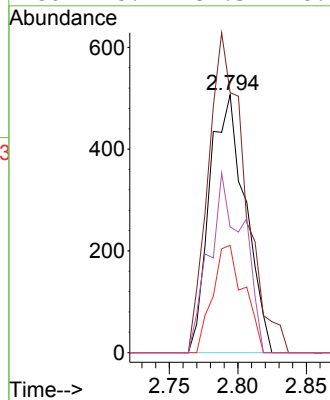
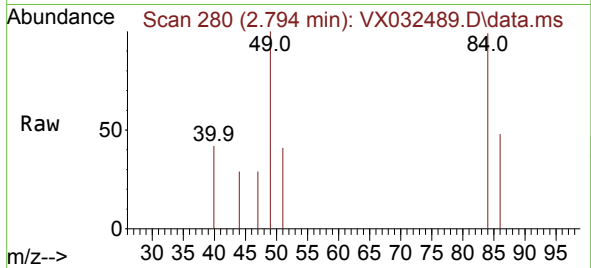




#20
Methylene Chloride
Concen: 0.639 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

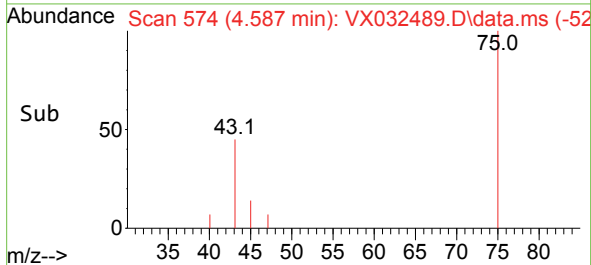
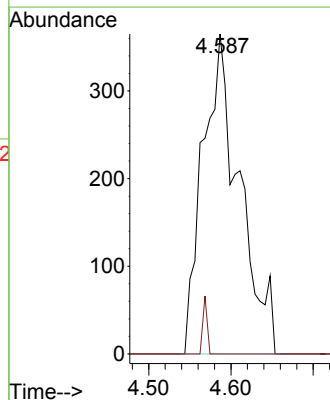
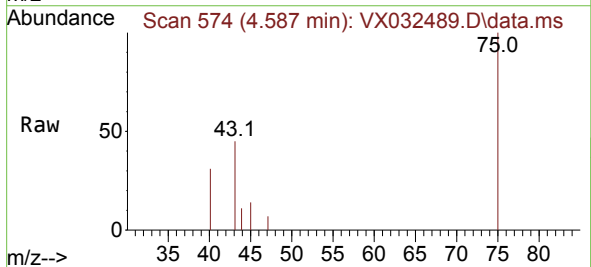
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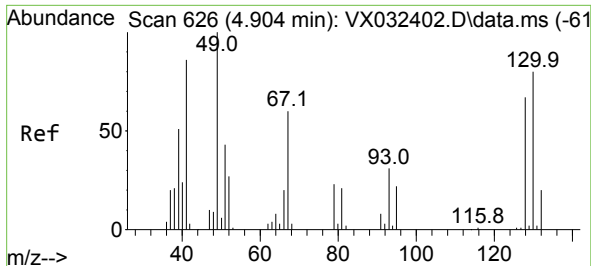
Tgt Ion:	84	Resp:	921
Ion	Ratio	Lower	Upper
84	100		
49	100.8	101.0	151.6#
51	41.6	31.1	46.7
86	48.7	52.3	78.5#



#25
2-Butanone
Concen: 1.155 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion:	43	Resp:	1124
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.2#

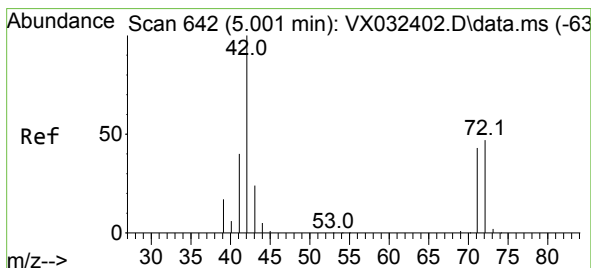
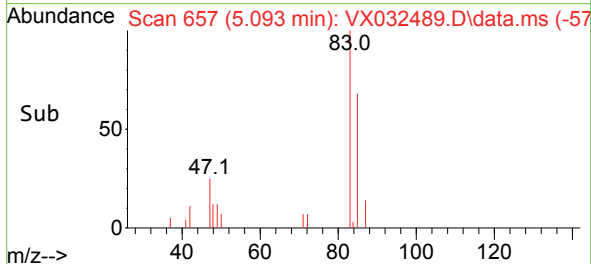
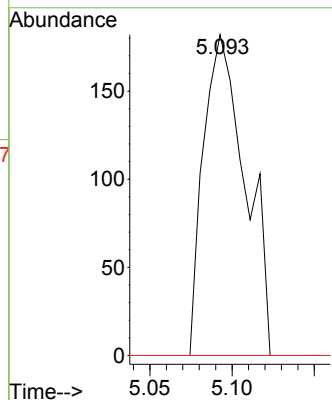
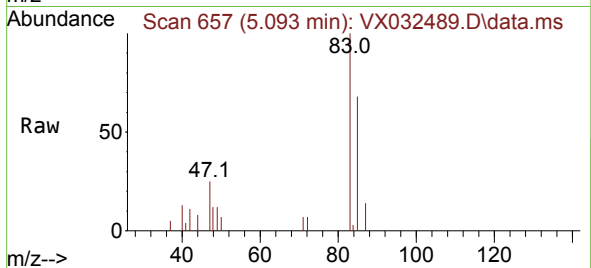




#28
Bromochloromethane
Concen: 0.366 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.189 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

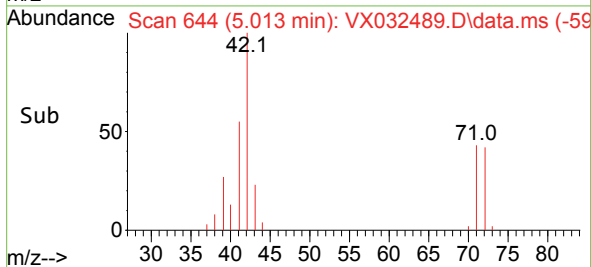
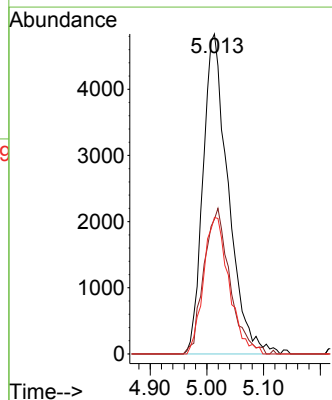
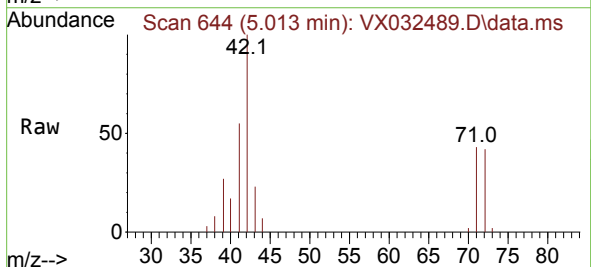
Instrument :
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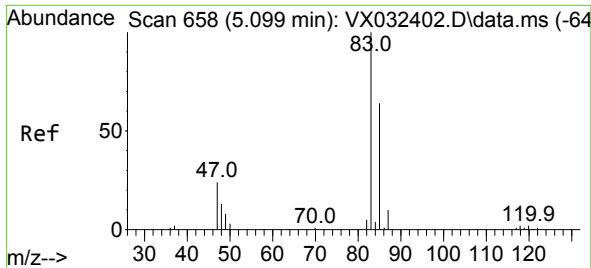
Tgt Ion: 49 Resp: 323
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 67.5 101.3#



#29
Tetrahydrofuran
Concen: 24.111 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.012 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 42 Resp: 14966
Ion Ratio Lower Upper
42 100
72 46.7 37.6 56.4
71 43.4 34.7 52.1

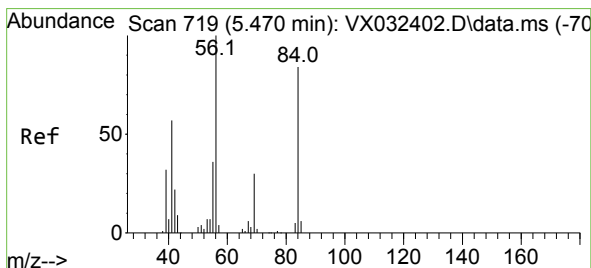
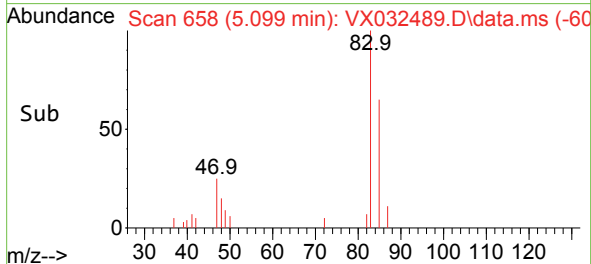
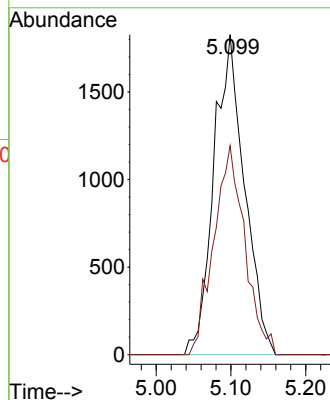
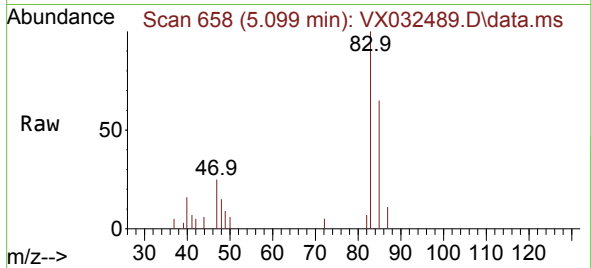




#30
Chloroform
Concen: 1.919 ug/l
RT: 5.099 min Scan# 611
Delta R.T. 0.000 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

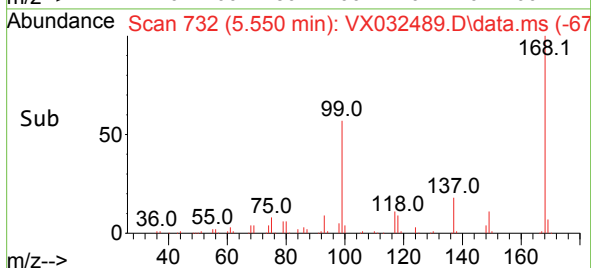
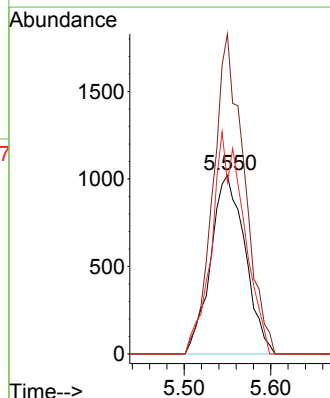
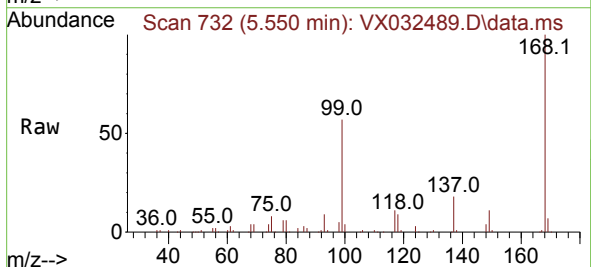
Instrument :
MSVOA_X
ClientSampleId :
MW-8-102722

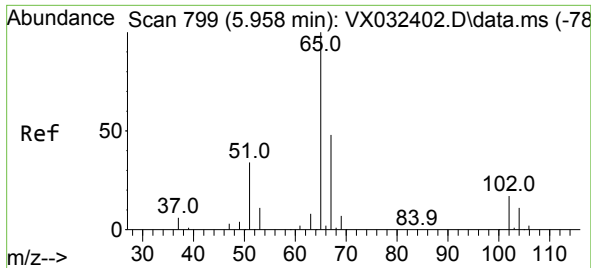
Tgt Ion: 83 Resp: 5211
Ion Ratio Lower Upper
83 100
85 65.3 51.1 76.7



#31
Cyclohexane
Concen: 1.343 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 56 Resp: 2814
Ion Ratio Lower Upper
56 100
69 179.1 24.1 36.1#
84 96.0 66.9 100.3

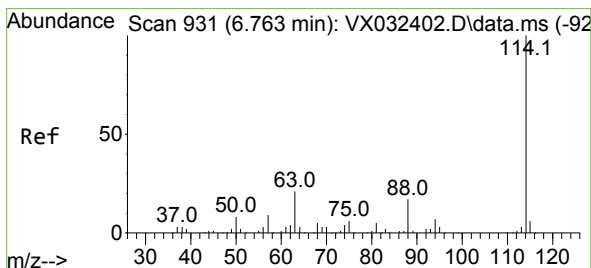
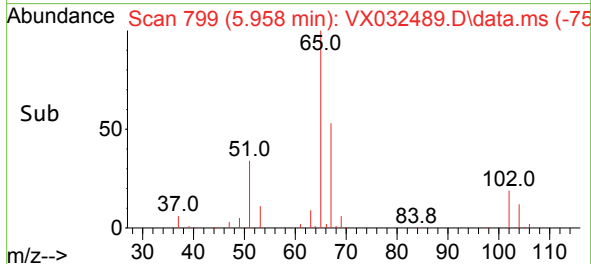
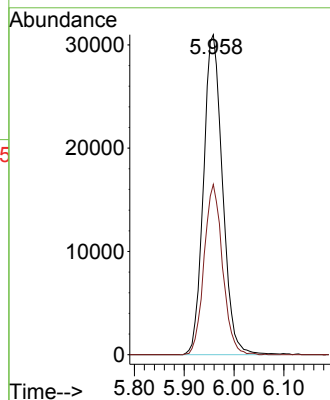
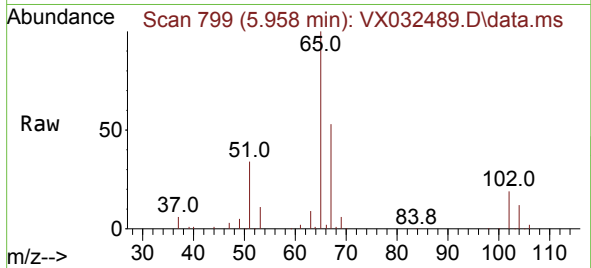




#33
 1,2-Dichloroethane-d4
 Concen: 47.549 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032489.D
 Acq: 31 Oct 2022 15:43

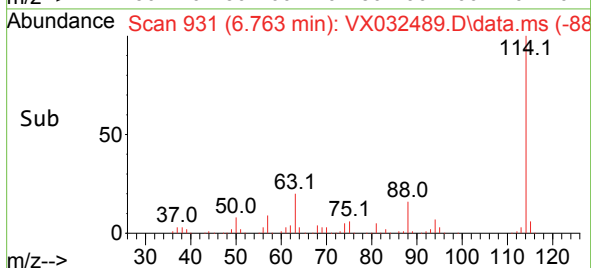
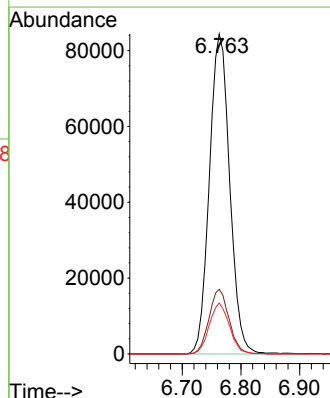
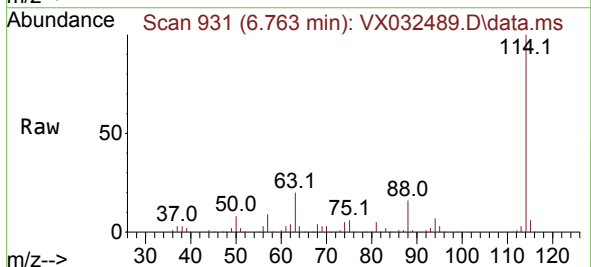
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-102722

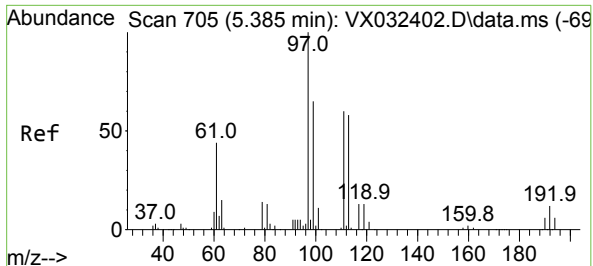
Tgt Ion: 65 Resp: 82199
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032489.D
 Acq: 31 Oct 2022 15:43

Tgt Ion: 114 Resp: 202764
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.6
 88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.852 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032489.D

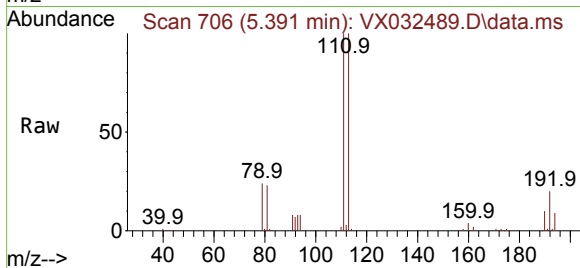
Acq: 31 Oct 2022 15:43

Instrument :

MSVOA_X

ClientSampleId :

MW-8-102722



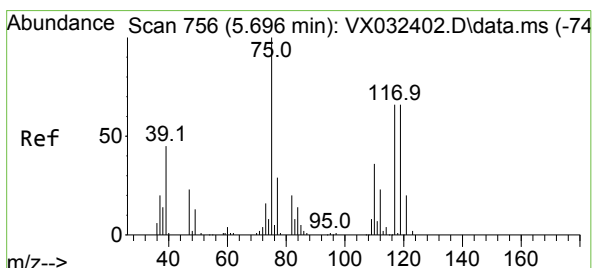
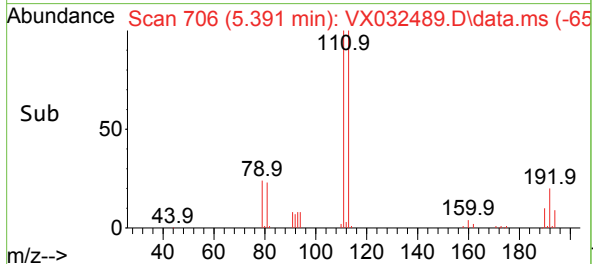
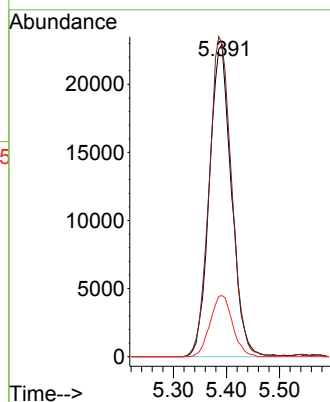
Tgt Ion:113 Resp: 66317

Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

192 19.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.908 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032489.D

Acq: 31 Oct 2022 15:43

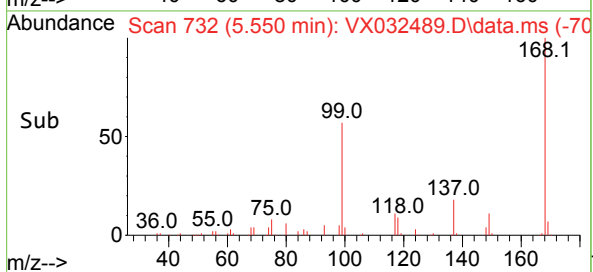
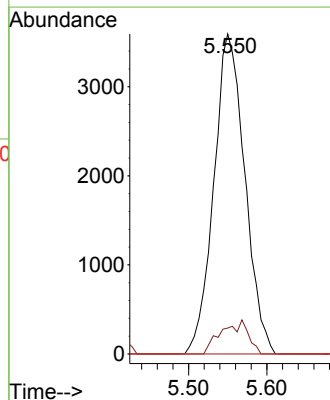
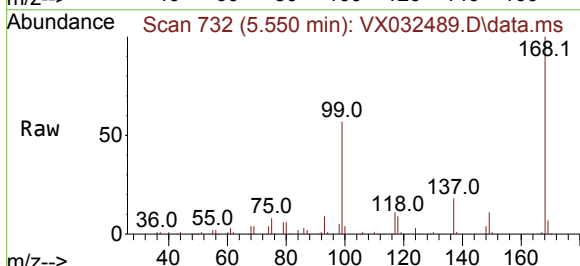
Tgt Ion: 75 Resp: 9885

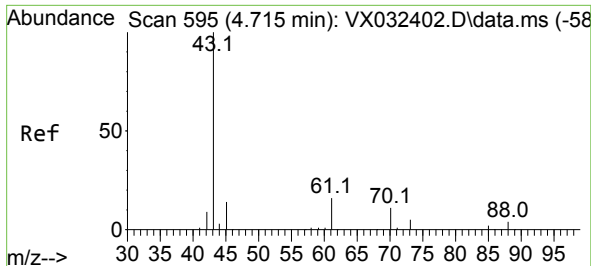
Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.536 ug/l

RT: 4.587 min Scan# 51

Delta R.T. -0.128 min

Lab File: VX032489.D

Acq: 31 Oct 2022 15:43

Instrument :

MSVOA_X

ClientSampleId :

MW-8-102722

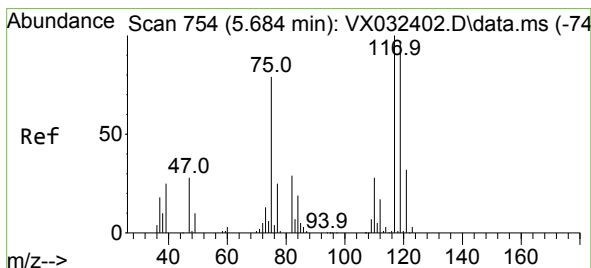
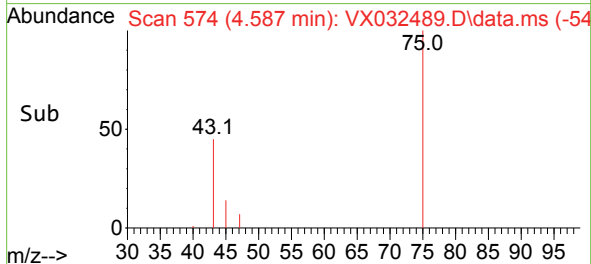
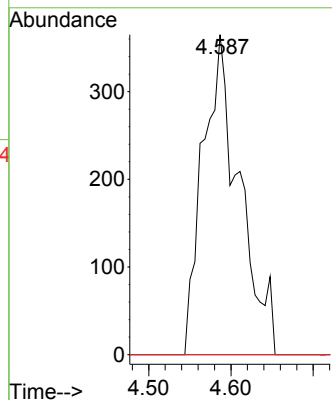
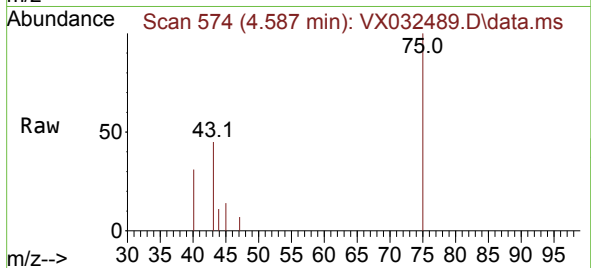
Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 9.1 13.7#



#38

Carbon Tetrachloride

Concen: 5.944 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX032489.D

Acq: 31 Oct 2022 15:43

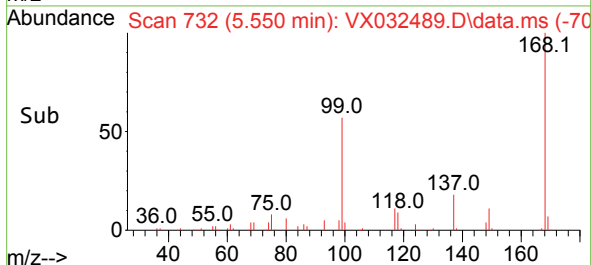
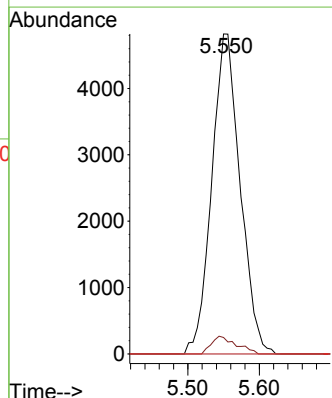
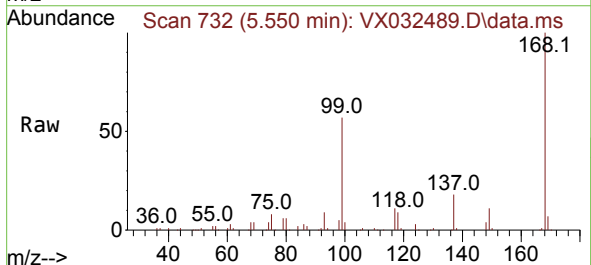
Tgt Ion: 117 Resp: 13278

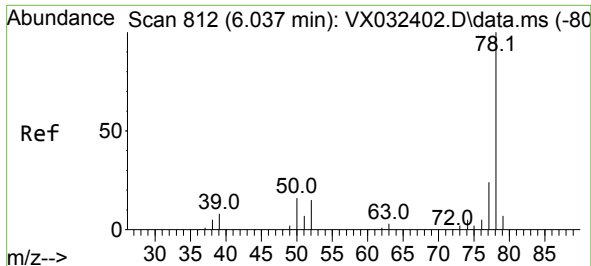
Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

121 0.0 25.8 38.6#

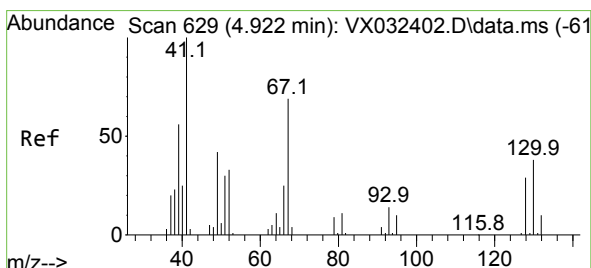
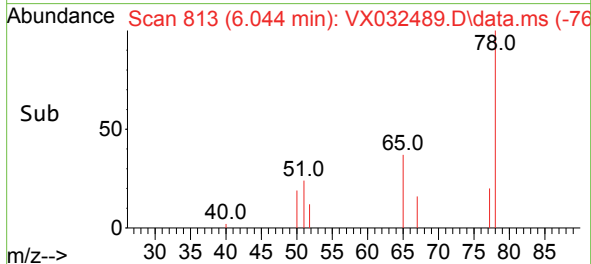
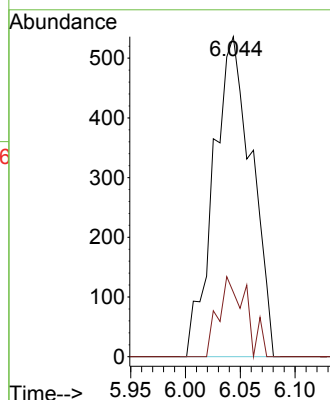
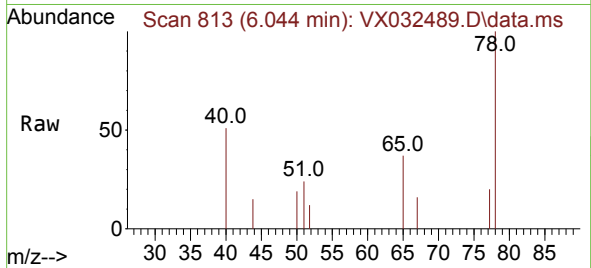




#40
Benzene
Concen: 0.228 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

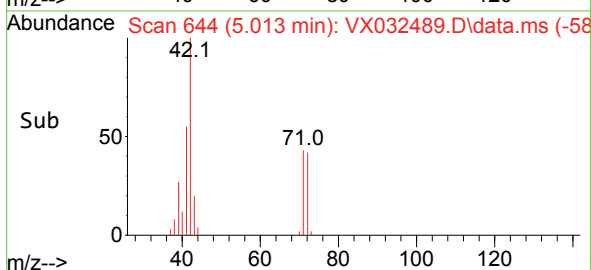
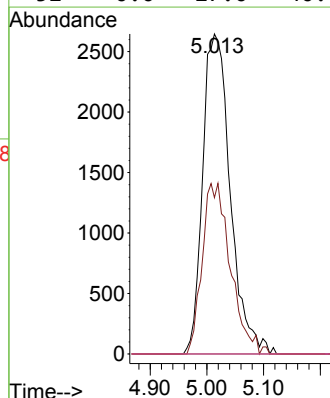
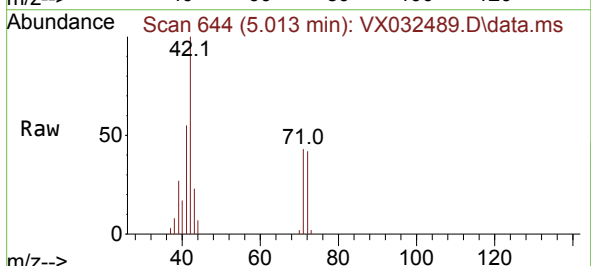
Instrument :
MSVOA_X
ClientSampleId :
MW-8-102722

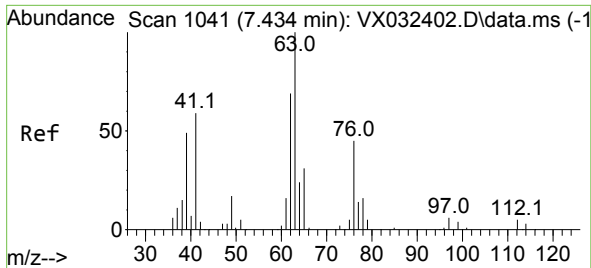
Tgt Ion: 78 Resp: 1300
Ion Ratio Lower Upper
78 100
77 20.1 19.0 28.4



#41
Methacrylonitrile
Concen: 8.377 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.092 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 41 Resp: 8947
Ion Ratio Lower Upper
41 100
39 54.6 47.5 71.3
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#

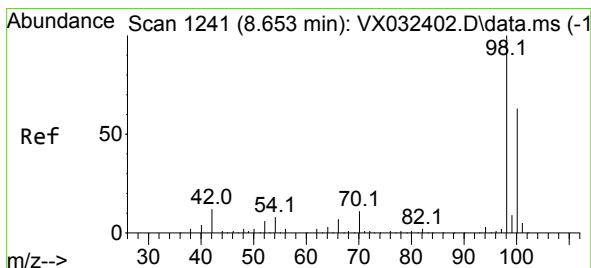
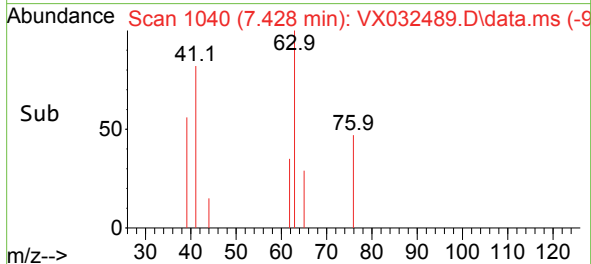
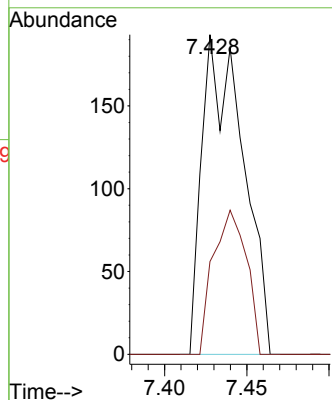
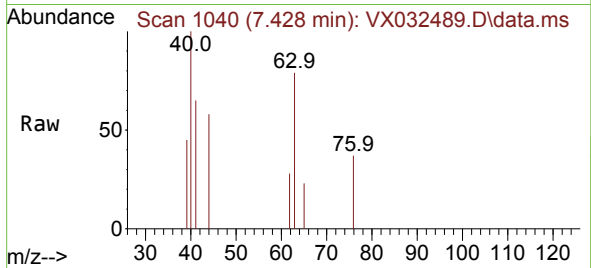




#45
1,2-Dichloropropane
Concen: 0.228 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

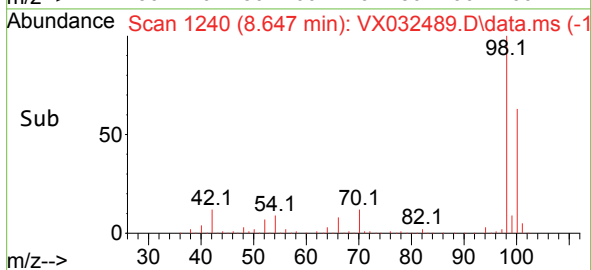
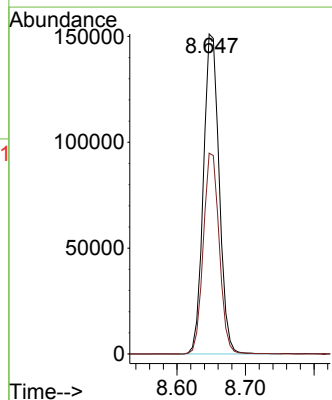
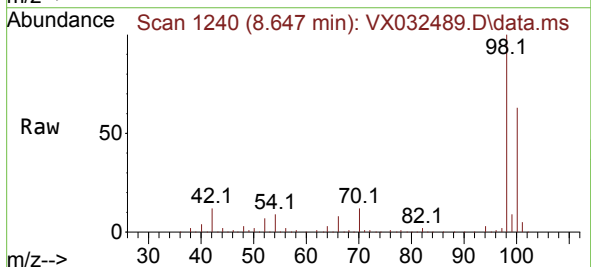
Instrument :
MSVOA_X
ClientSampleId :
MW-8-102722

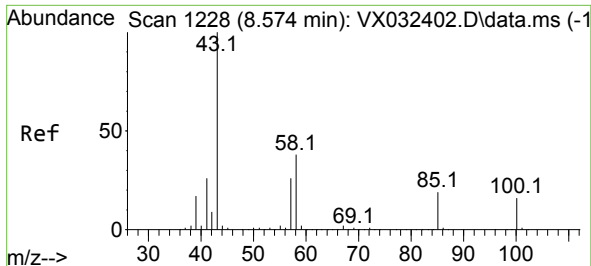
Tgt Ion: 63 Resp: 334
Ion Ratio Lower Upper
63 100
65 29.0 24.6 36.8



#50
Toluene-d8
Concen: 48.170 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 98 Resp: 242258
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3

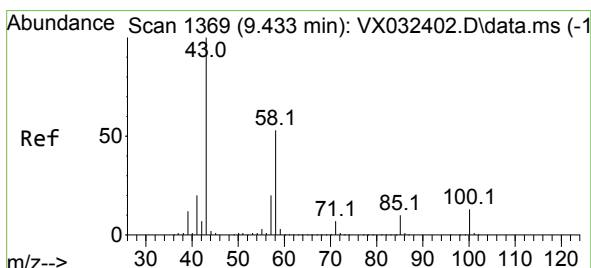
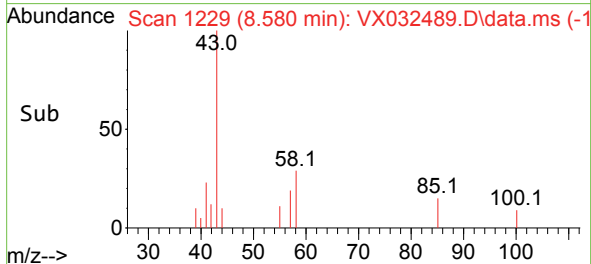
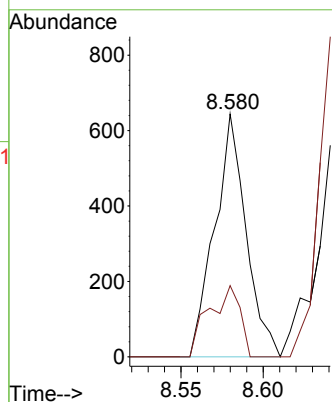
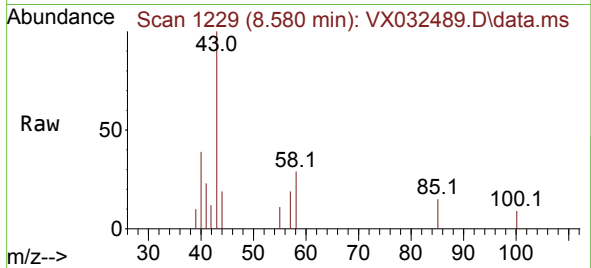




#51
4-Methyl-2-Pentanone
Concen: 0.422 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

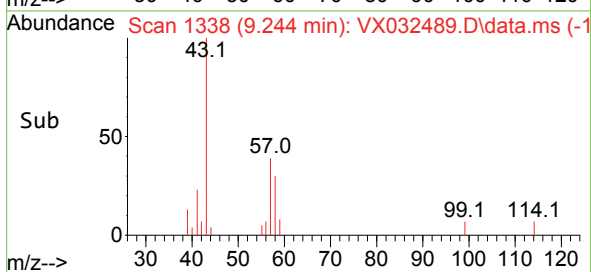
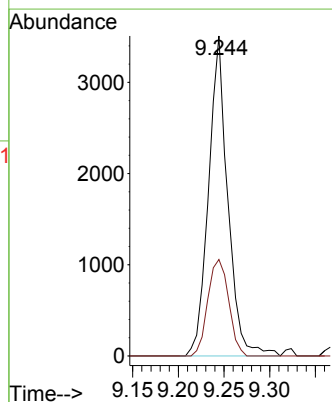
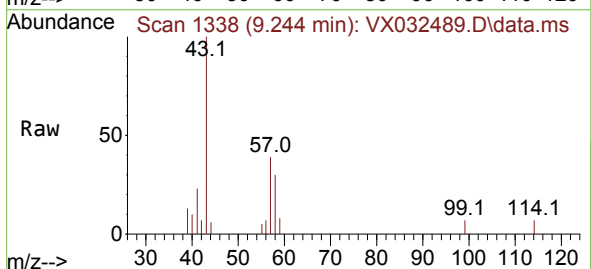
Instrument :
MSVOA_X
ClientSampleId :
MW-8-102722

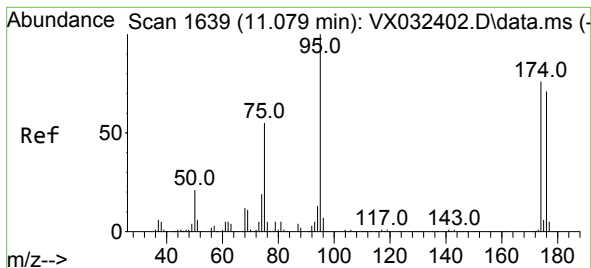
Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
58 28.9 30.9 46.3#



#59
2-Hexanone
Concen: 3.407 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. -0.189 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 43 Resp: 5125
Ion Ratio Lower Upper
43 100
58 32.6 26.5 79.5

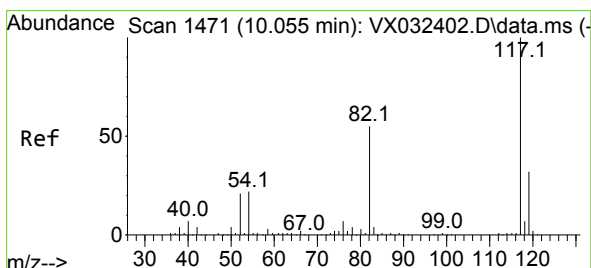
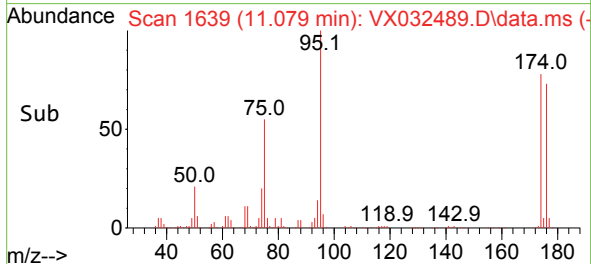
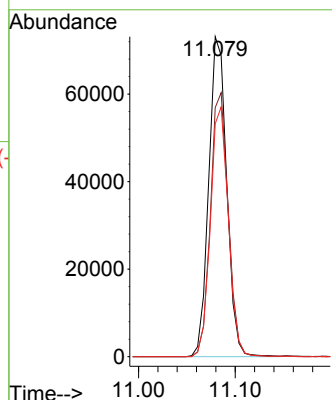
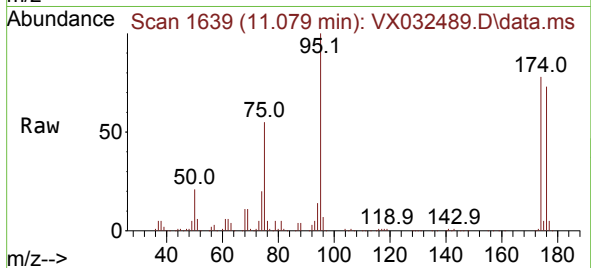




#62
4-Bromofluorobenzene
Concen: 48.084 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

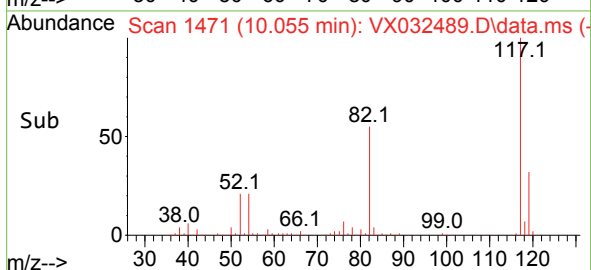
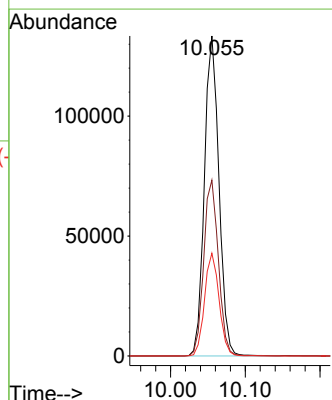
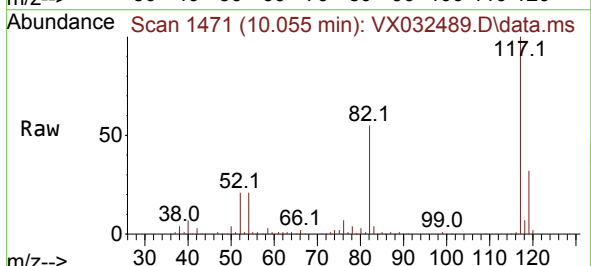
Instrument :
MSVOA_X
ClientSampleId :
MW-8-102722

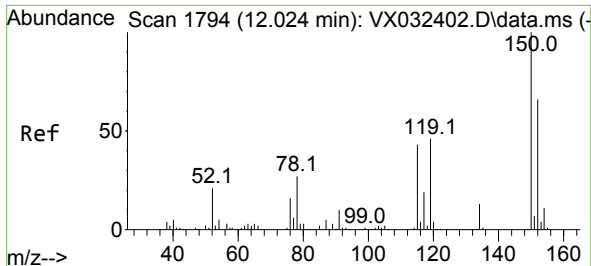
Tgt Ion: 95 Resp: 94462
Ion Ratio Lower Upper
95 100
174 82.0 0.0 164.0
176 78.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032489.D
Acq: 31 Oct 2022 15:43

Tgt Ion: 117 Resp: 180282
Ion Ratio Lower Upper
117 100
82 54.9 44.3 66.5
119 32.1 25.7 38.5

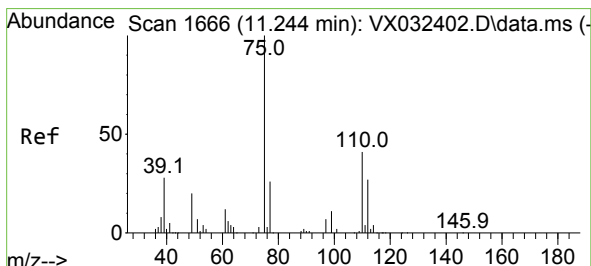
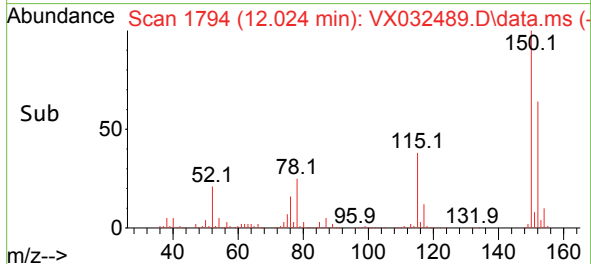
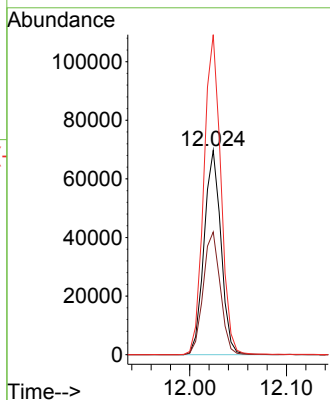
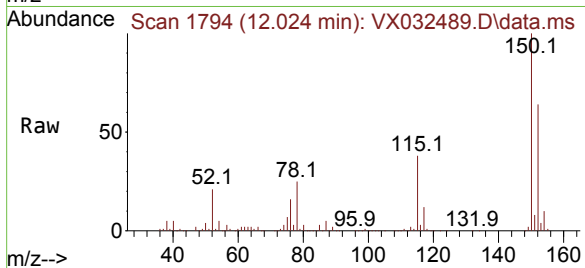




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032489.D
 Acq: 31 Oct 2022 15:43

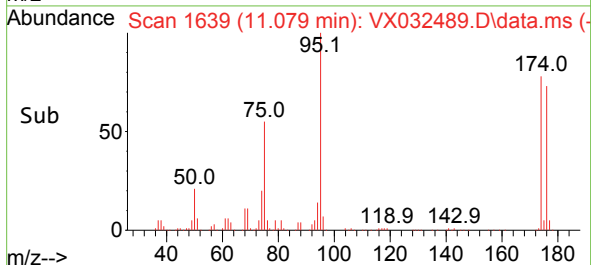
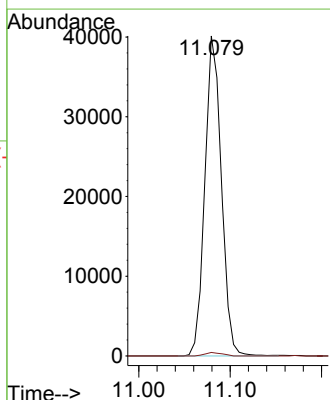
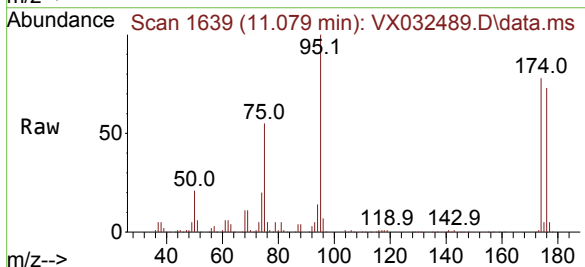
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-102722

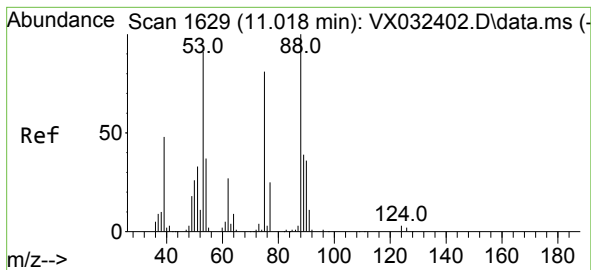
Tgt Ion:152 Resp: 84577
 Ion Ratio Lower Upper
 152 100
 115 60.9 44.0 132.0
 150 158.1 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 26.731 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX032489.D
 Acq: 31 Oct 2022 15:43

Tgt Ion: 75 Resp: 50297
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.057 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032489.D
 Acq: 31 Oct 2022 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-102722

Tgt Ion: 75 Resp: 50297
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

