

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070723\
 Data File : VX036469.D
 Acq On : 07 Jul 2023 19:02
 Operator : JC/MD
 Sample : 03533-03 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1674

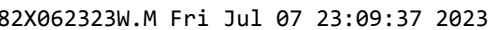
Quant Time: Jul 07 23:09:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

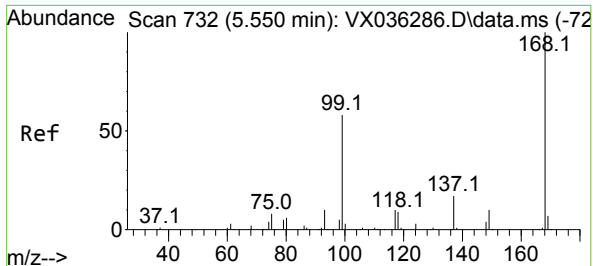
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	172177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	292914	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	273874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	113085	45.820	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.640%		
35) Dibromofluoromethane	5.391	113	92679	47.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.980%		
50) Toluene-d8	8.647	98	359997	49.904	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.800%		
62) 4-Bromofluorobenzene	11.079	95	129089	50.804	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.600%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.002	59	483	1.075	ug/l #	69
13) Acrolein	2.233	56	230	0.373	ug/l #	62
16) Acetone	2.392	43	88439	83.836	ug/l	92
17) Carbon Disulfide	2.514	76	1145	0.238	ug/l #	88
18) Methyl Acetate	2.703	43	1057	0.244	ug/l #	53
20) Methylene Chloride	2.794	84	1509	0.664	ug/l	96
25) 2-Butanone	4.574	43	22044	14.544	ug/l #	90
26) 2,2-Dichloropropane	4.580	77	699	0.262	ug/l #	54
29) Tetrahydrofuran	5.032	42	358	0.371	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	13733	4.770	ug/l #	51
37) Ethyl Acetate	4.574	43	21171	7.215	ug/l #	71
38) Carbon Tetrachloride	5.550	117	18108	6.887	ug/l #	14
40) Benzene	6.038	78	2572	0.320	ug/l	99
43) Isopropyl Acetate	6.367	43	1520	0.325	ug/l #	62
48) Methyl methacrylate	7.684	41	1407	0.603	ug/l #	44
49) 1,4-Dioxane	7.726	88	35	0.676	ug/l #	12
51) 4-Methyl-2-Pentanone	8.580	43	1919	0.636	ug/l	98
52) Toluene	8.720	92	2340	0.459	ug/l	97
59) 2-Hexanone	9.433	43	3551	1.612	ug/l	94
68) m/p-Xylenes	10.305	106	1144	0.288	ug/l	97
74) N-amyl acetate	10.860	43	1233	0.335	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	66254	25.130	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	66254	81.917	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1741	0.223	ug/l	69
95) Naphthalene	13.780	128	2672	0.317	ug/l #	94

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

Quant Time: Jul 07 23:09:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

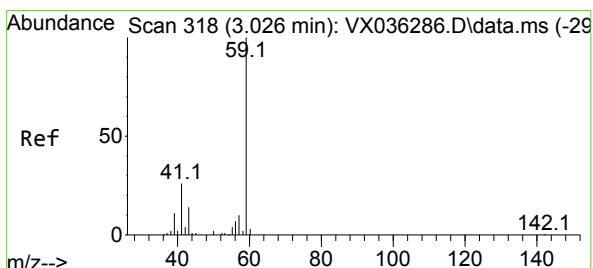
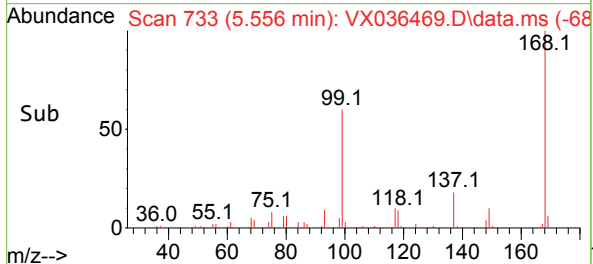
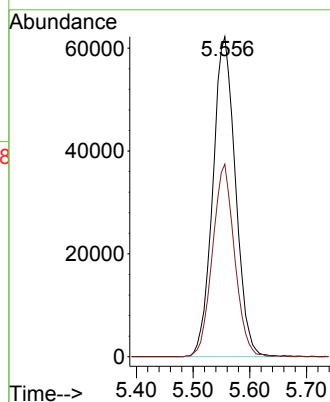
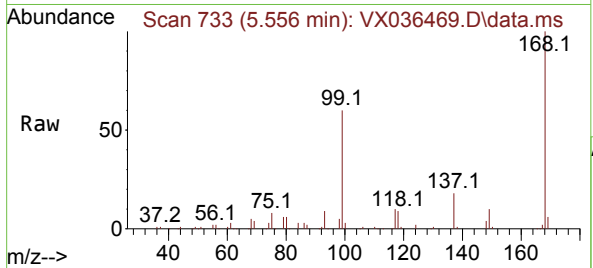




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

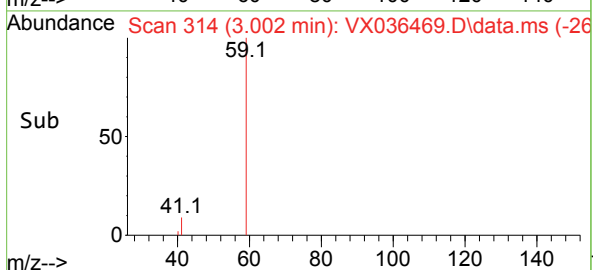
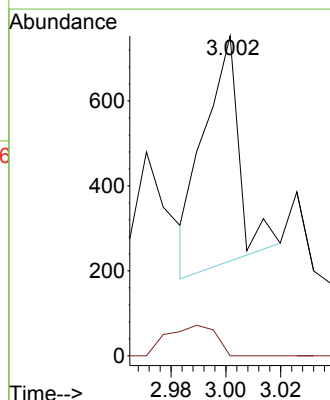
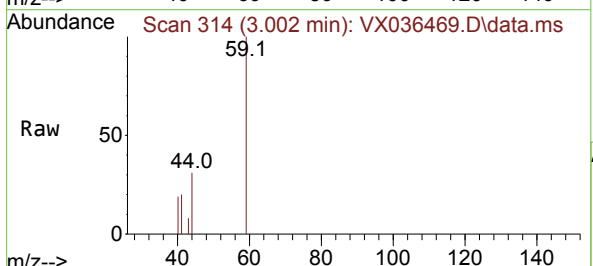
Instrument :
MSVOA_X
ClientSampleId :
1674

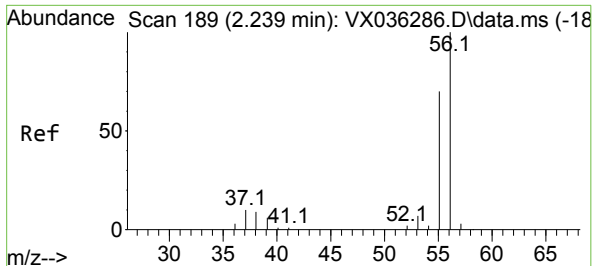
Tgt Ion:168 Resp: 172177
Ion Ratio Lower Upper
168 100
99 60.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.075 ug/l
RT: 3.002 min Scan# 314
Delta R.T. -0.011 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 18.2 6.0 9.0#





#13

Acrolein

Concen: 0.373 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX036469.D

Acq: 07 Jul 2023 19:02

Instrument :

MSVOA_X

ClientSampleId :

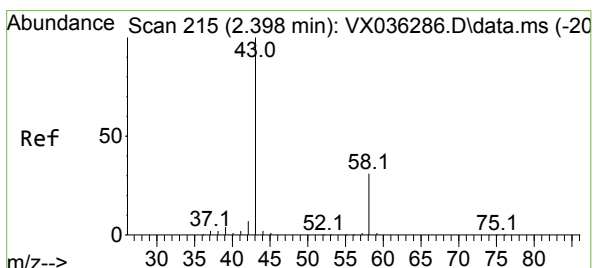
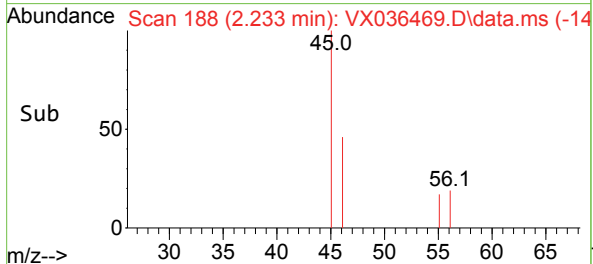
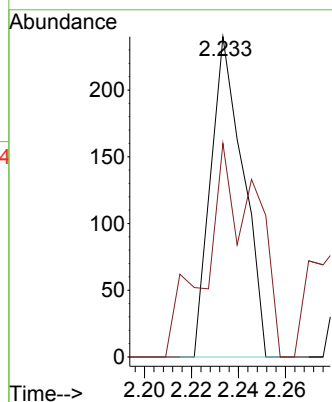
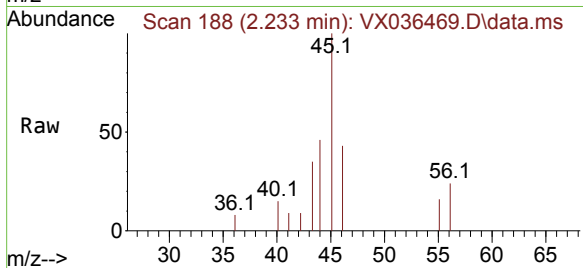
1674

Tgt Ion: 56 Resp: 230

Ion Ratio Lower Upper

56 100

55 103.0 57.1 85.7#



#16

Acetone

Concen: 83.836 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX036469.D

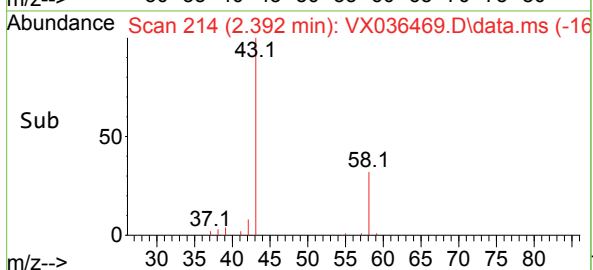
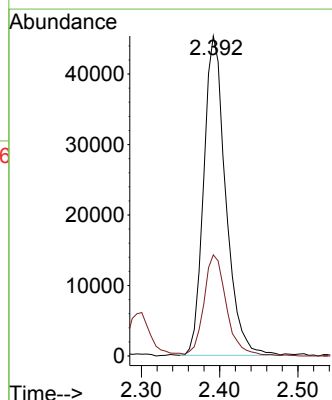
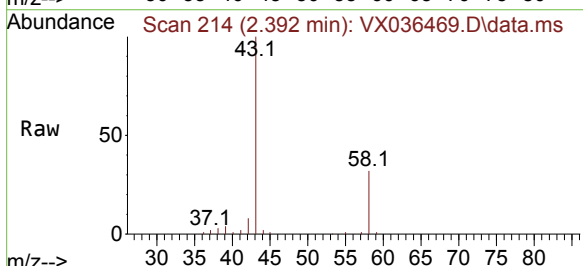
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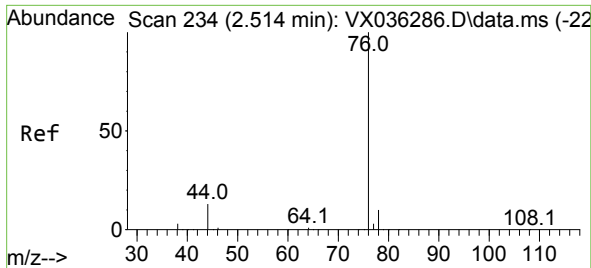
Tgt Ion: 43 Resp: 88439

Ion Ratio Lower Upper

43 100

58 31.5 21.9 32.9

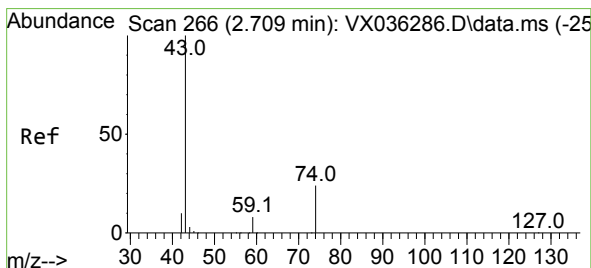
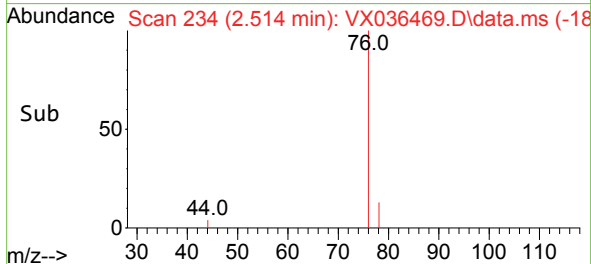
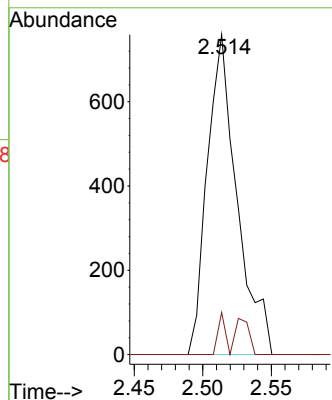
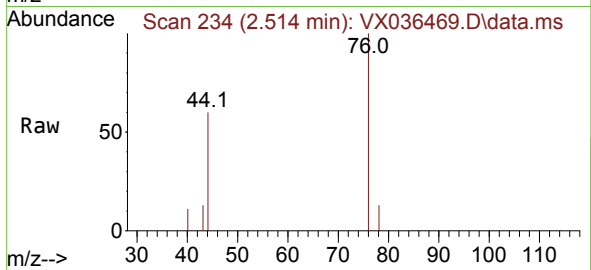




#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

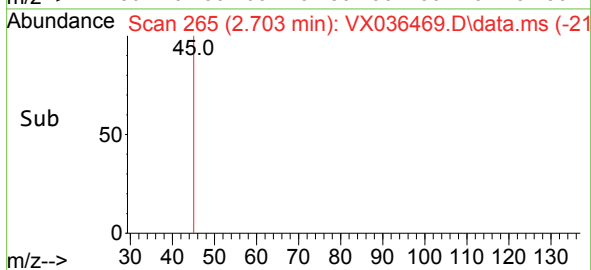
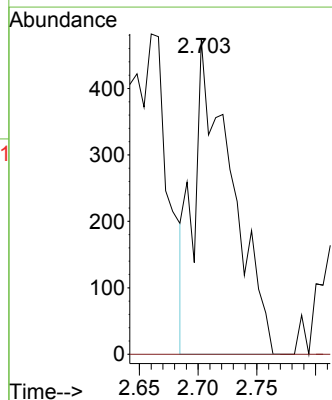
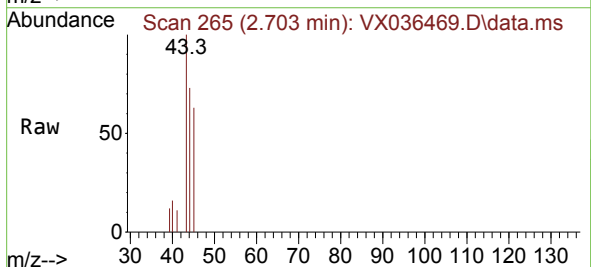
Instrument :
MSVOA_X
ClientSampleId :
1674

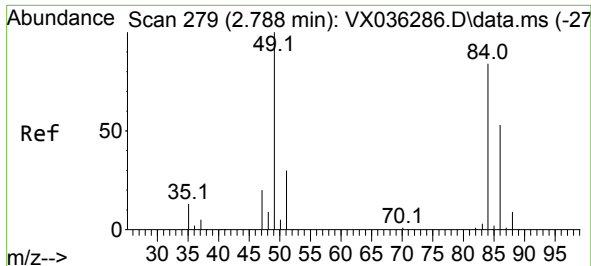
Tgt Ion: 76 Resp: 1145
Ion Ratio Lower Upper
76 100
78 13.2 7.0 10.6#



#18
Methyl Acetate
Concen: 0.244 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

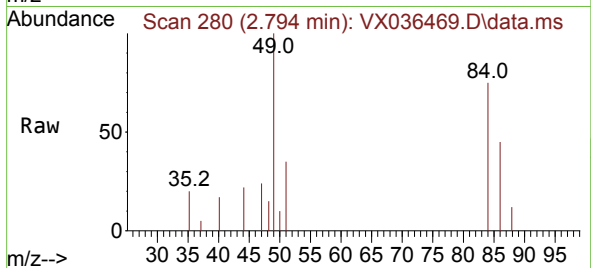
Tgt Ion: 43 Resp: 1057
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



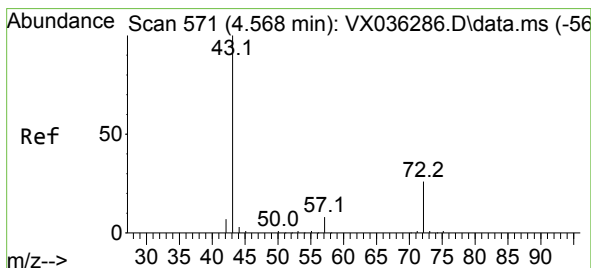
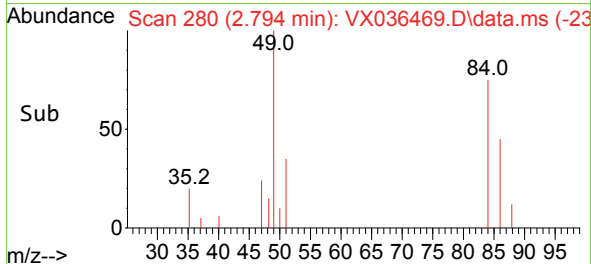
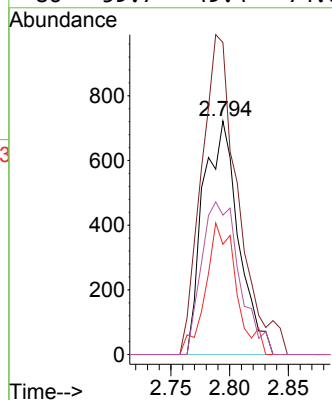


#20
Methylene Chloride
Concen: 0.664 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Instrument :
MSVOA_X
ClientSampleId :
1674

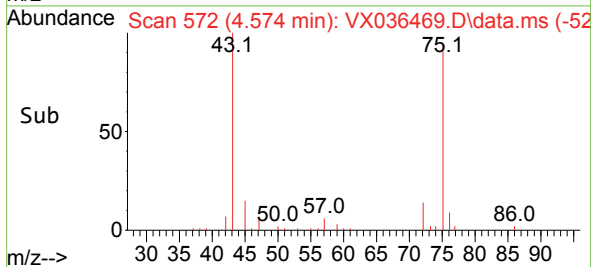
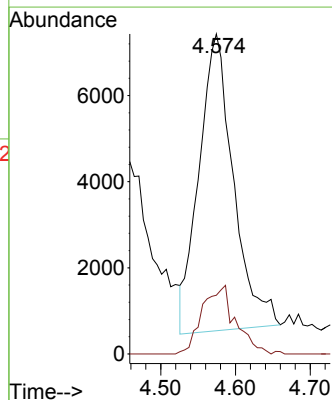
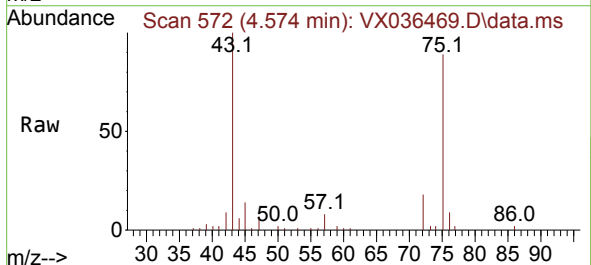


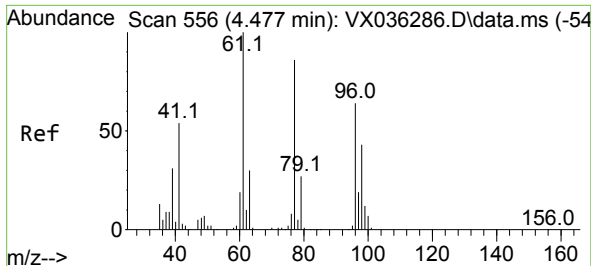
Tgt Ion: 84	Resp: 1509
Ion Ratio	Lower Upper
84 100	
49 133.7	103.6 155.4
51 47.2	33.8 50.6
86 59.7	49.4 74.0



#25
2-Butanone
Concen: 14.544 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Tgt Ion: 43	Resp: 22044		
Ion Ratio	Lower	Upper	
43 100			
72 19.4	19.4	29.2#	





#26

2,2-Dichloropropane

Concen: 0.262 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.103 min

Lab File: VX036469.D

Acq: 07 Jul 2023 19:02

Instrument :

MSVOA_X

ClientSampleId :

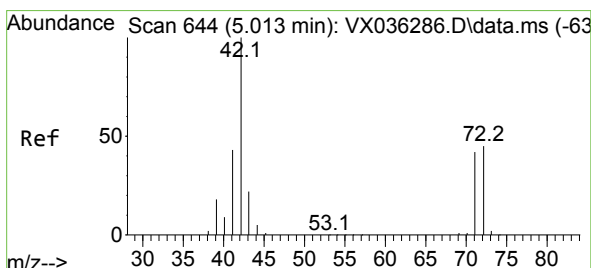
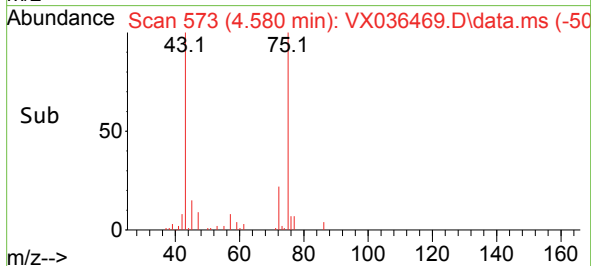
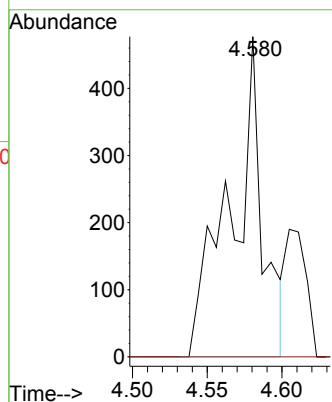
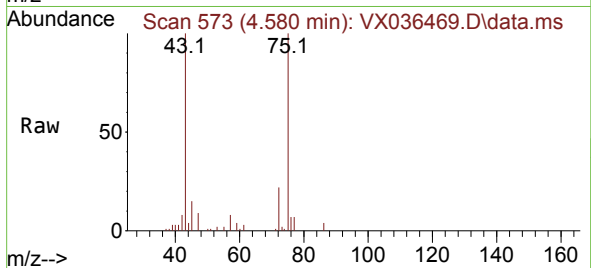
1674

Tgt Ion: 77 Resp: 699

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 0.371 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX036469.D

Acq: 07 Jul 2023 19:02

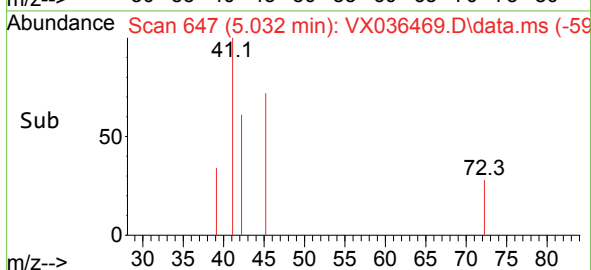
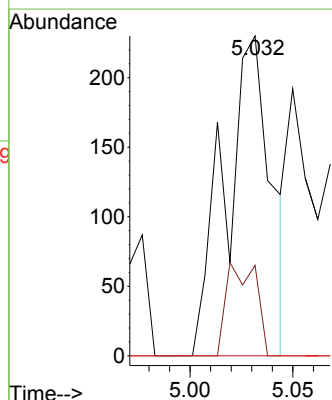
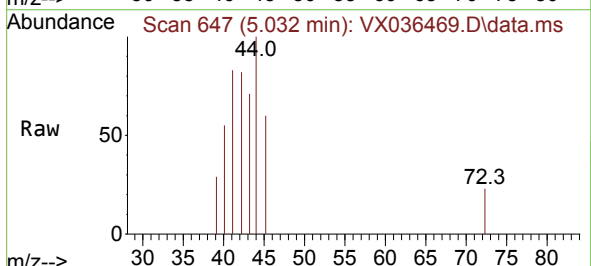
Tgt Ion: 42 Resp: 358

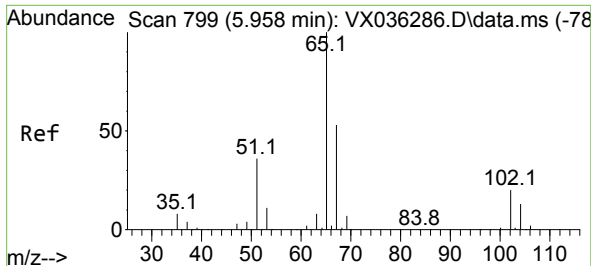
Ion Ratio Lower Upper

42 100

72 18.7 34.2 51.4#

71 0.0 32.2 48.2#





#33

1,2-Dichloroethane-d4

Concen: 45.820 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036469.D

Acq: 07 Jul 2023 19:02

Instrument :

MSVOA_X

ClientSampleId :

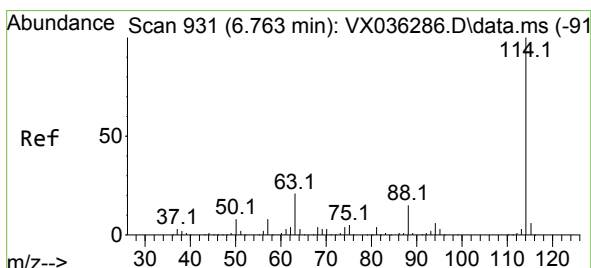
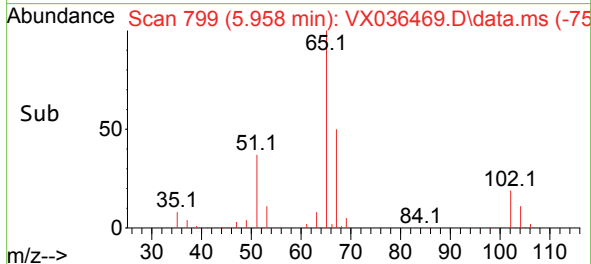
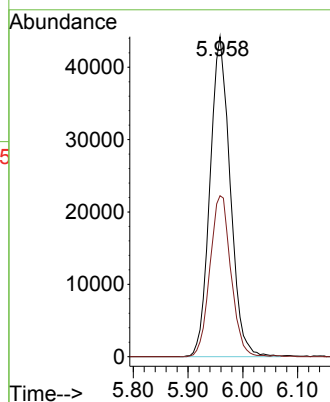
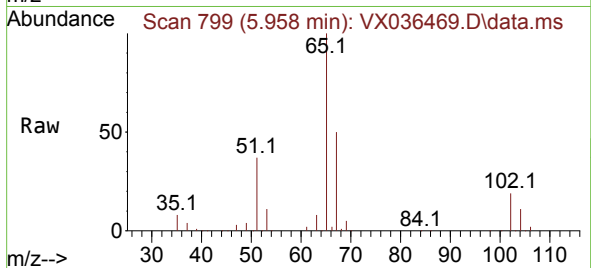
1674

Tgt Ion: 65 Resp: 113085

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036469.D

Acq: 07 Jul 2023 19:02

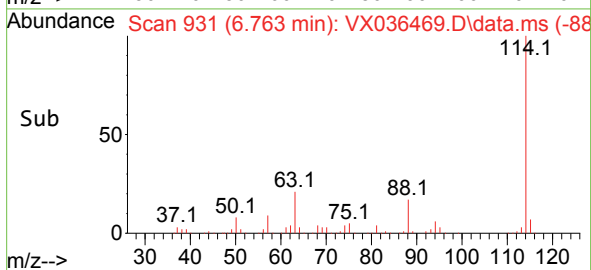
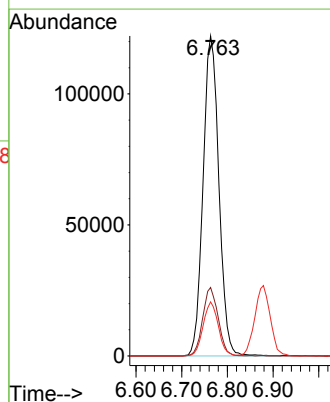
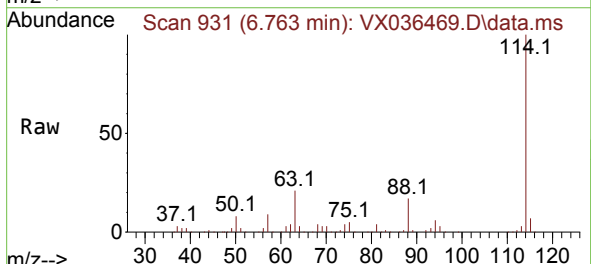
Tgt Ion: 114 Resp: 292914

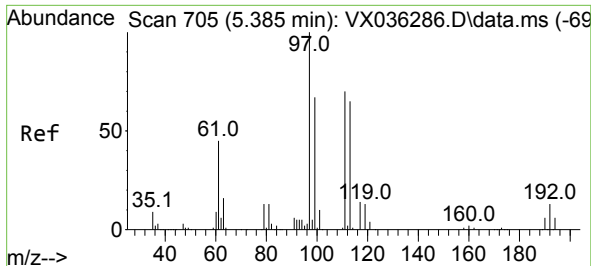
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

88 16.9 0.0 36.6

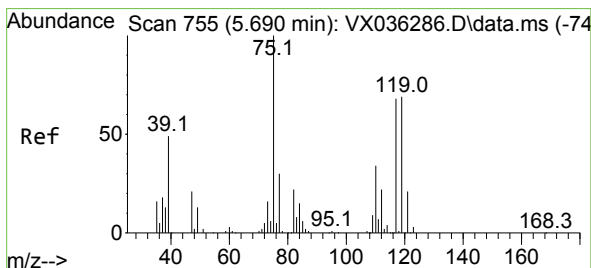
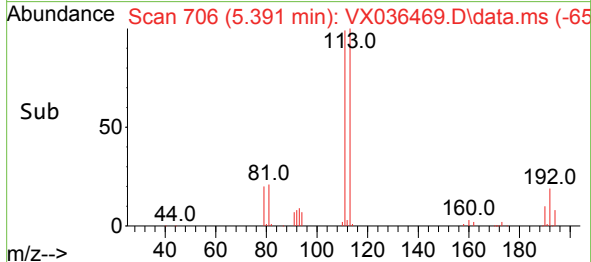
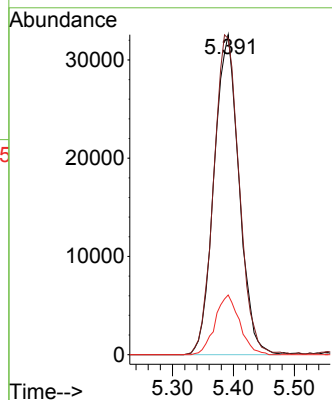
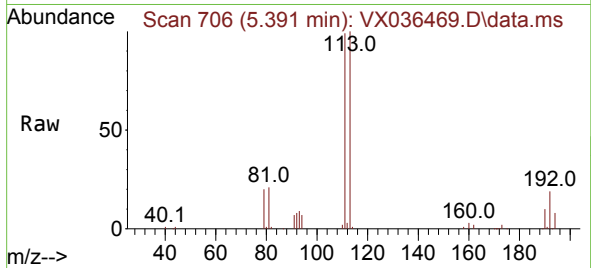




#35
Dibromofluoromethane
Concen: 47.986 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

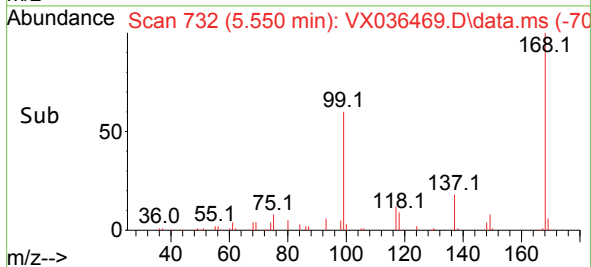
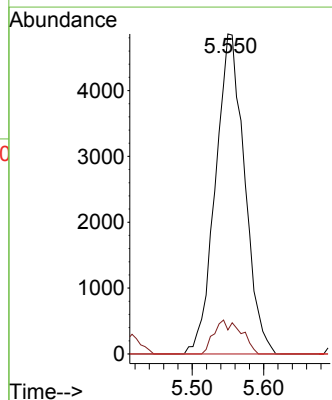
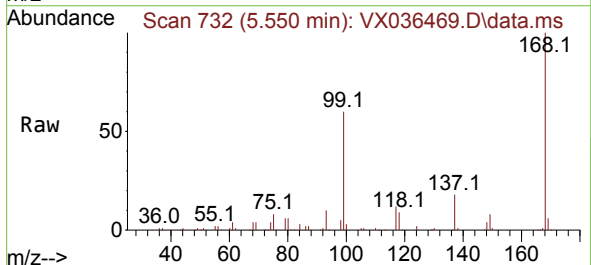
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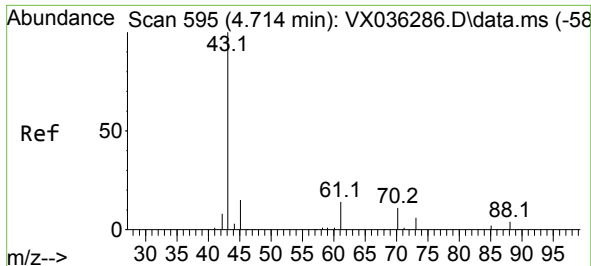
Tgt Ion:113 Resp: 92679
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Tgt Ion: 75 Resp: 13733
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 7.215 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX036469.D

Acq: 07 Jul 2023 19:02

Instrument :

MSVOA_X

ClientSampleId :

1674

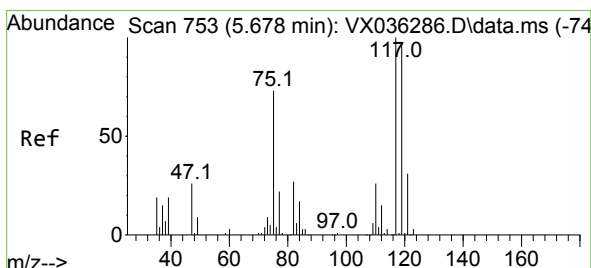
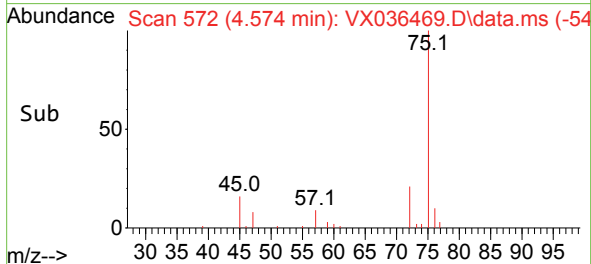
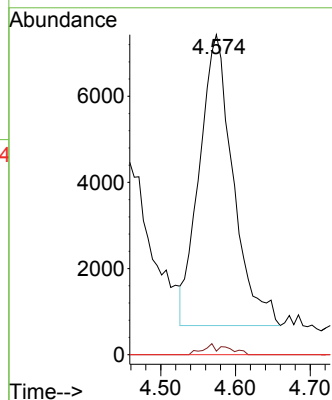
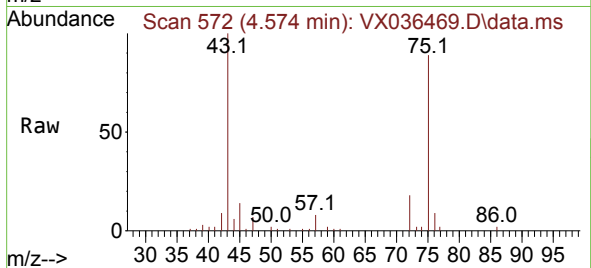
Tgt Ion: 43 Resp: 21171

Ion Ratio Lower Upper

43 100

61 1.3 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.887 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036469.D

Acq: 07 Jul 2023 19:02

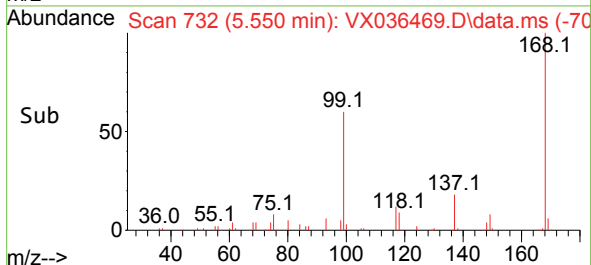
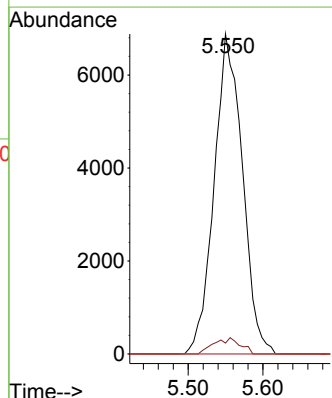
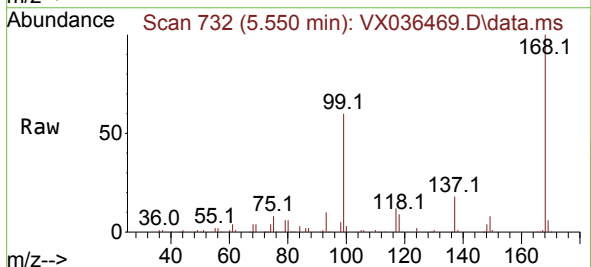
Tgt Ion: 117 Resp: 18108

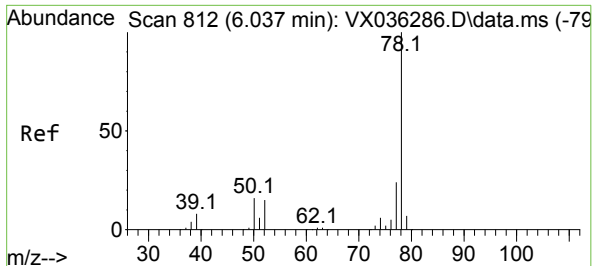
Ion Ratio Lower Upper

117 100

119 3.4 78.2 117.2#

121 0.0 24.4 36.6#

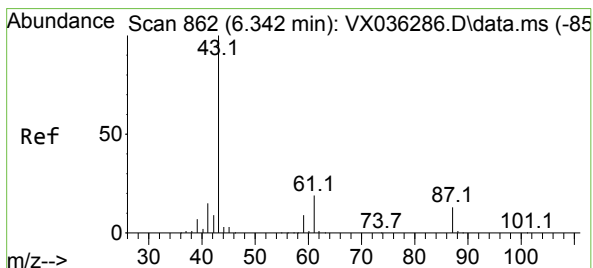
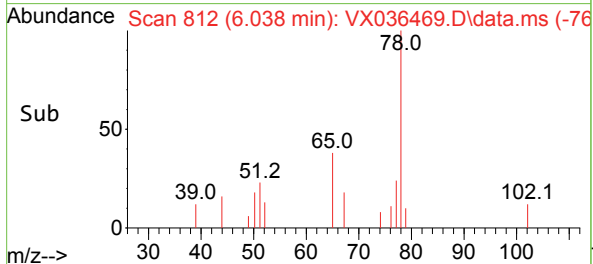
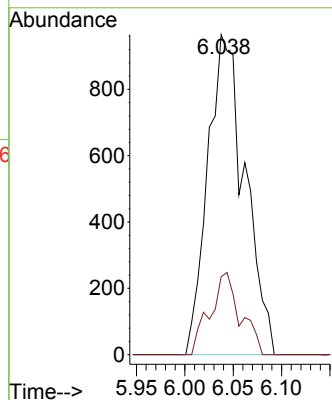
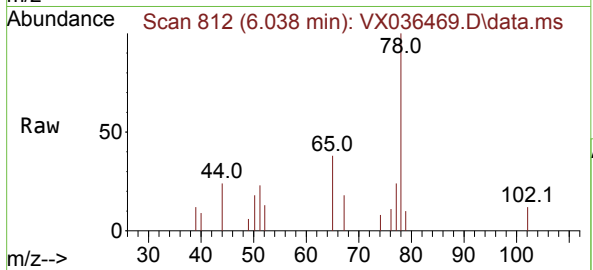




#40
Benzene
Concen: 0.320 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

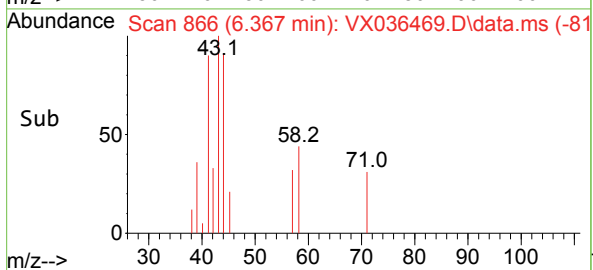
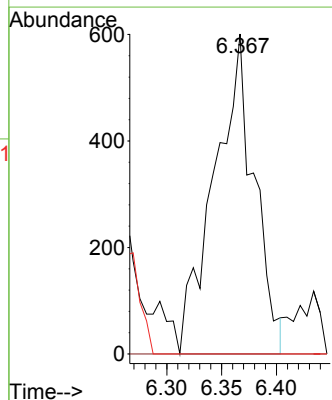
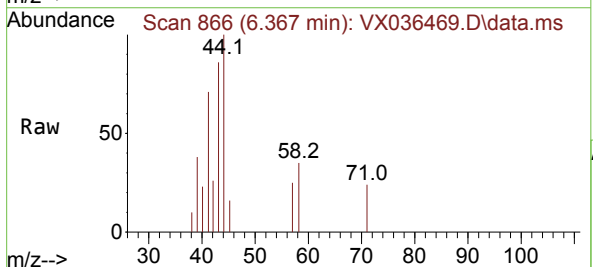
Instrument :
MSVOA_X
ClientSampleId :
1674

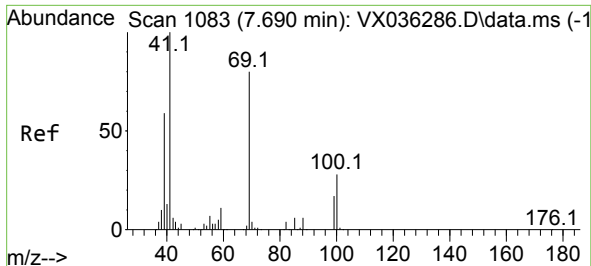
Tgt Ion: 78 Resp: 2572
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9



#43
Isopropyl Acetate
Concen: 0.325 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.025 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Tgt Ion: 43 Resp: 1520
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#

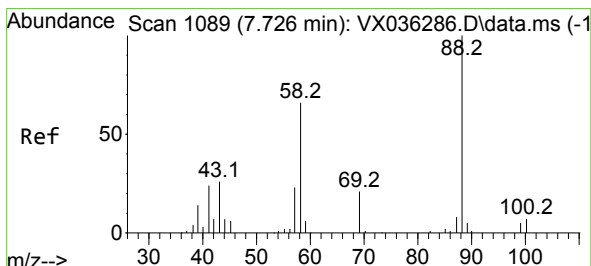
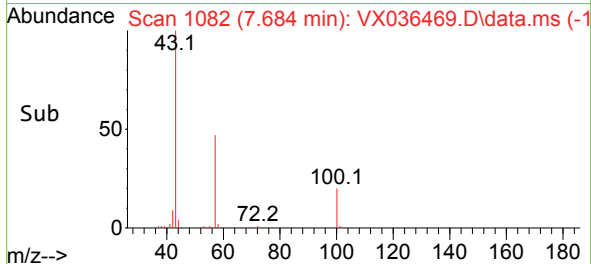
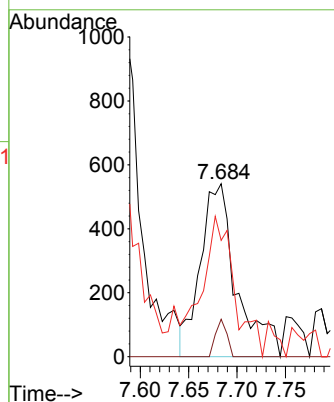
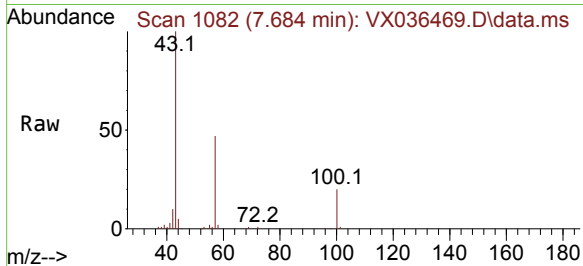




#48
Methyl methacrylate
Concen: 0.603 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.005 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

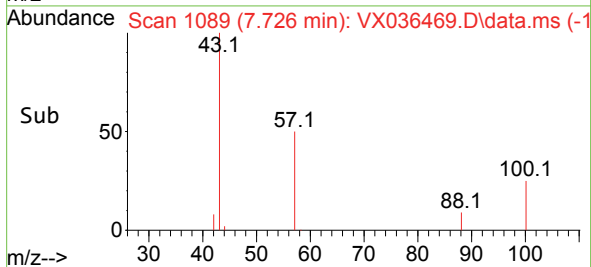
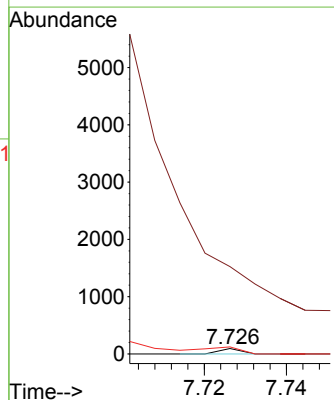
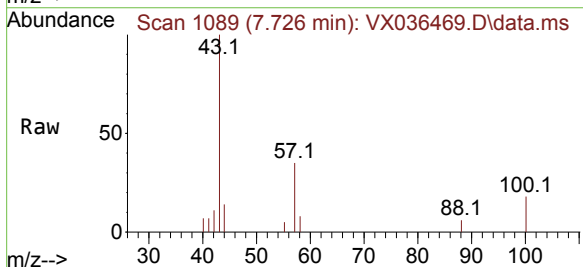
Instrument :
MSVOA_X
ClientSampleId :
1674

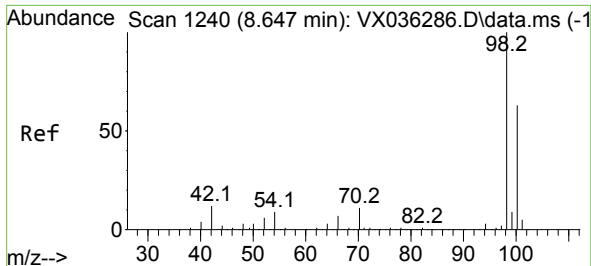
Tgt Ion: 41 Resp: 1407
Ion Ratio Lower Upper
41 100
69 6.7 59.2 88.8#
39 80.2 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.676 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

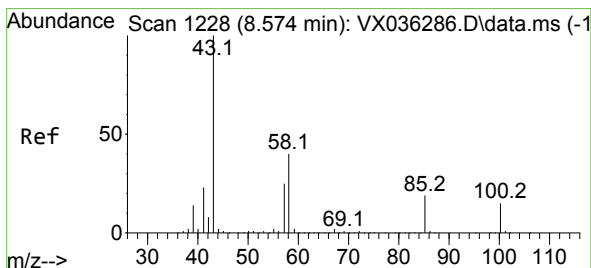
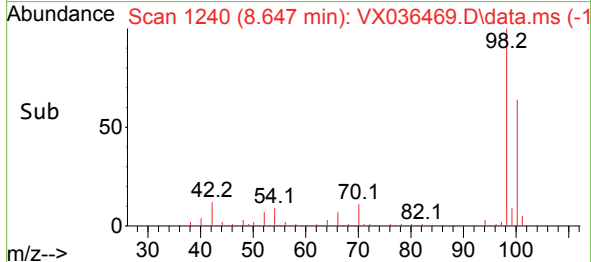
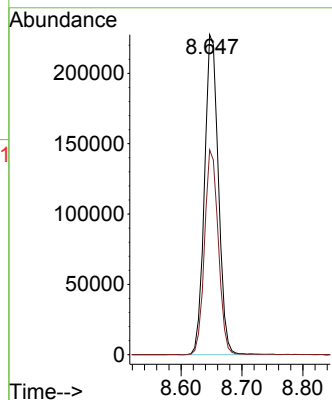
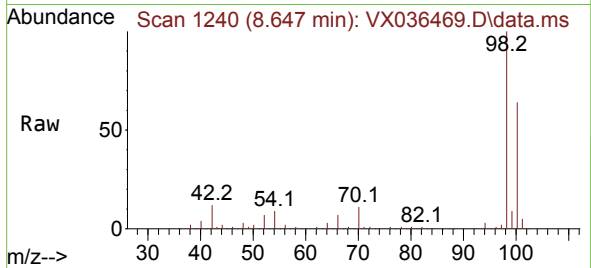




#50
Toluene-d8
Concen: 49.904 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

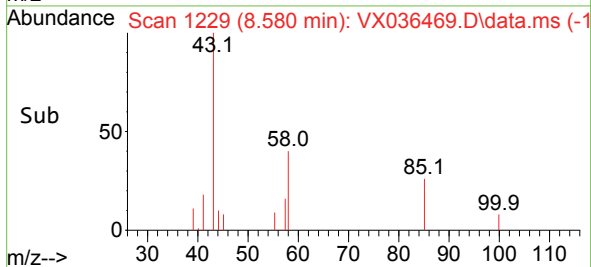
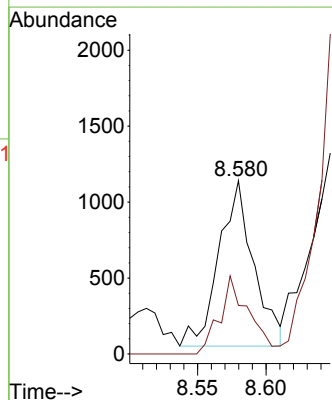
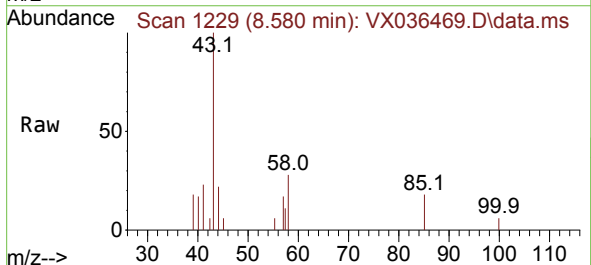
Instrument :
MSVOA_X
ClientSampleId :
1674

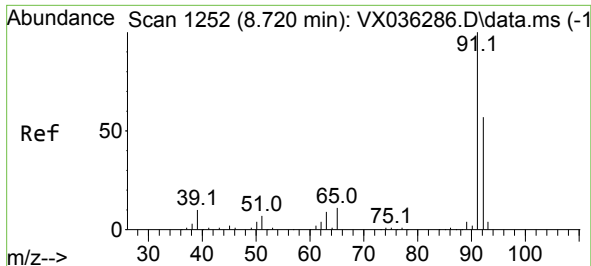
Tgt Ion: 98 Resp: 359997
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.636 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

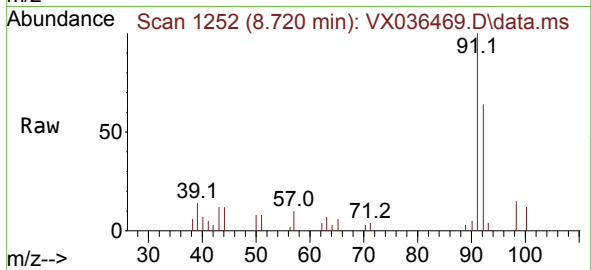
Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
58 39.1 30.4 45.6



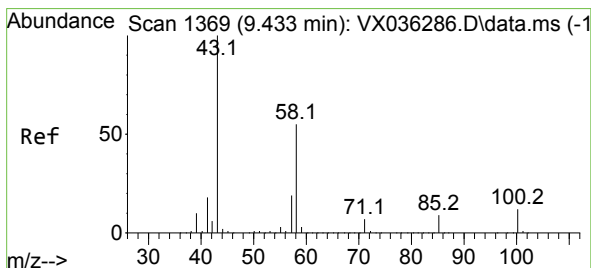
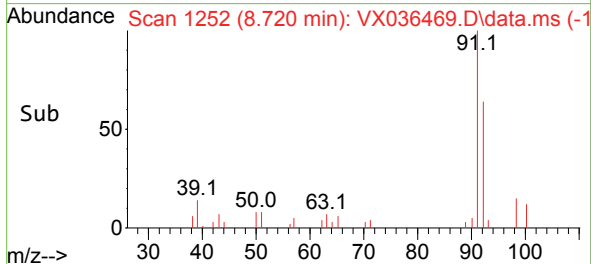
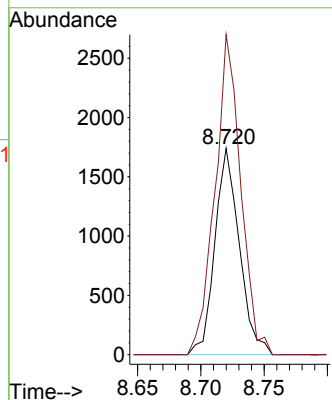


#52
Toluene
Concen: 0.459 ug/l
RT: 8.720 min Scan# 11674
Delta R.T. -0.000 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Instrument :
MSVOA_X
ClientSampleId :

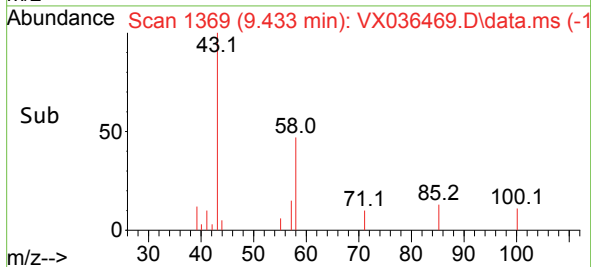
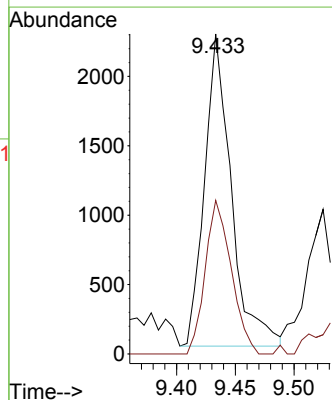
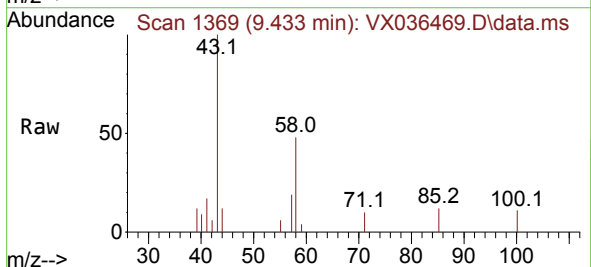


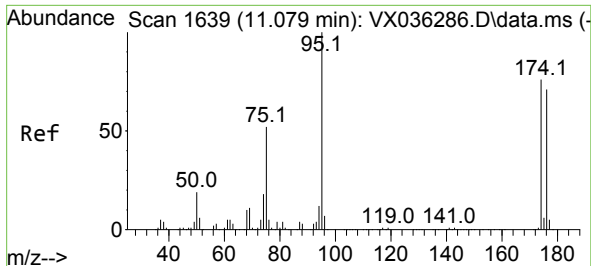
Tgt Ion: 92 Resp: 2340
Ion Ratio Lower Upper
92 100
91 163.3 134.2 201.2



#59
2-Hexanone
Concen: 1.612 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Tgt Ion: 43 Resp: 3551
Ion Ratio Lower Upper
43 100
58 48.0 26.2 78.5

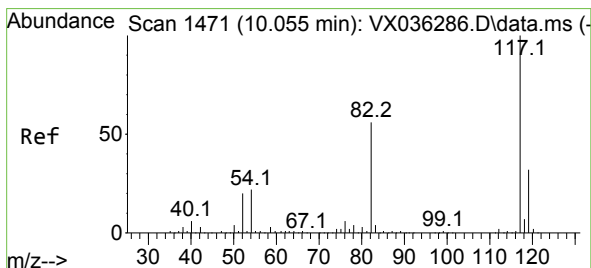
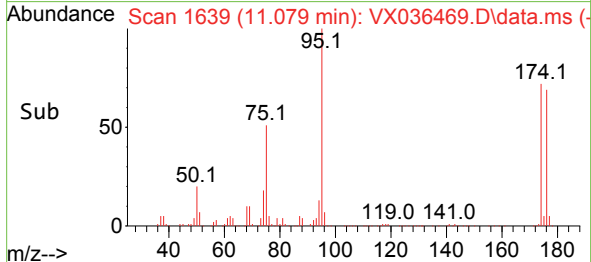
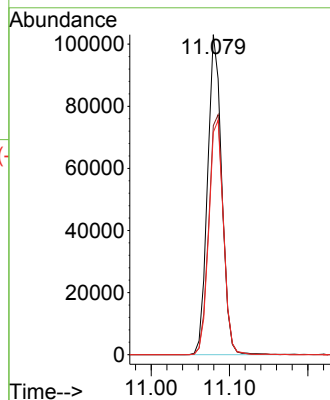
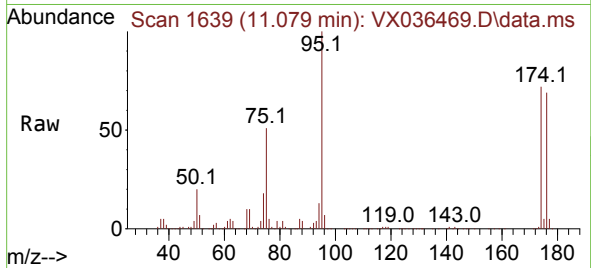




#62
4-Bromofluorobenzene
Concen: 50.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

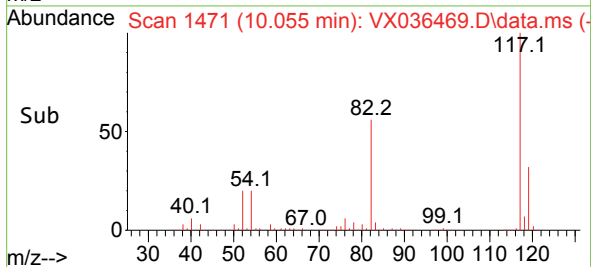
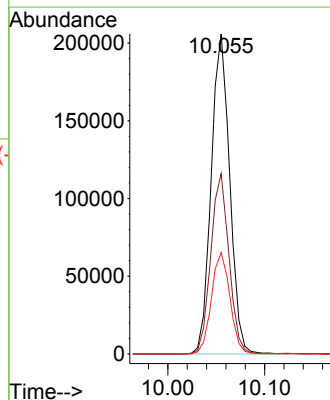
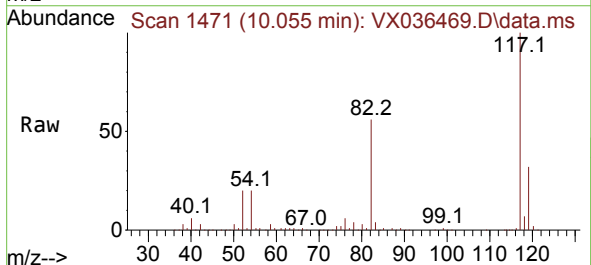
Instrument :
MSVOA_X
ClientSampleId :
1674

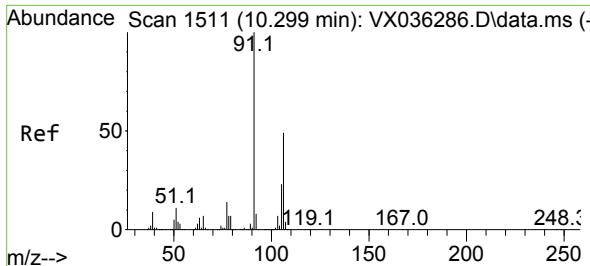
Tgt Ion: 95 Resp: 129089
Ion Ratio Lower Upper
95 100
174 77.9 0.0 135.6
176 75.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Tgt Ion: 117 Resp: 273874
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 31.6 25.5 38.3

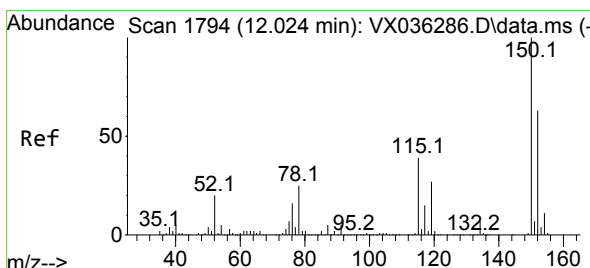
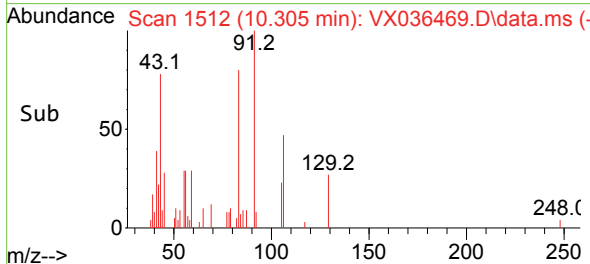
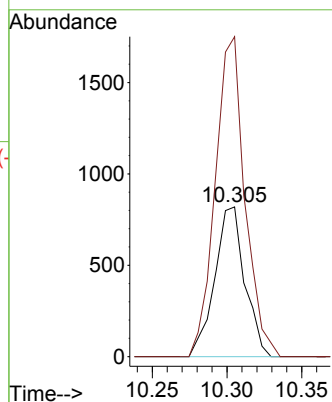
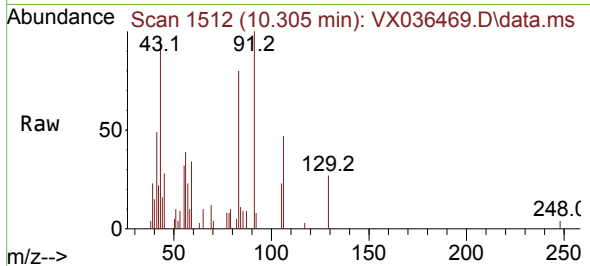




#68
m/p-Xylenes
Concen: 0.288 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

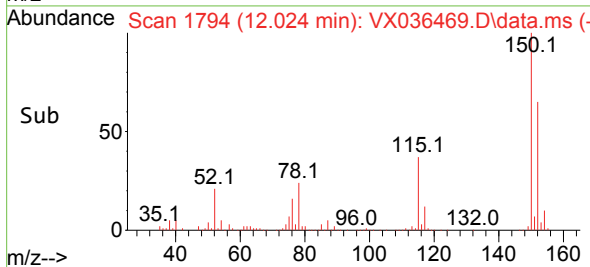
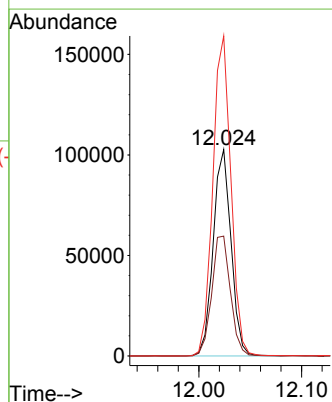
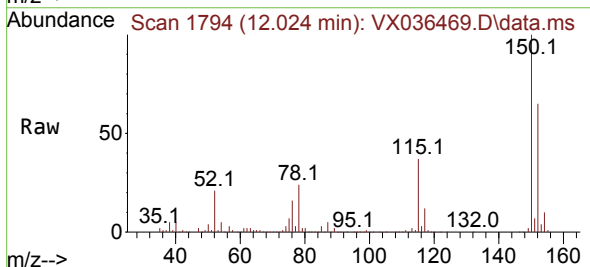
Instrument :
MSVOA_X
ClientSampleId :
1674

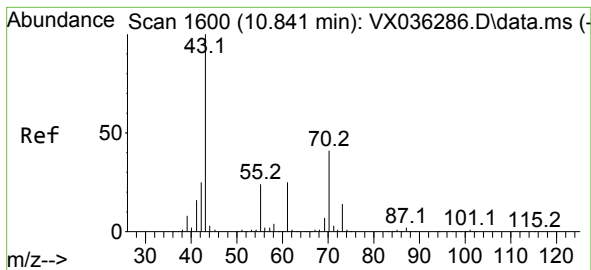
Tgt Ion:106 Resp: 1144
Ion Ratio Lower Upper
106 100
91 211.3 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Tgt Ion:152 Resp: 123602
Ion Ratio Lower Upper
152 100
115 60.9 43.3 129.9
150 156.8 0.0 345.0





#74

N-amy1 acetate

Concen: 0.335 ug/l

RT: 10.860 min Scan# 1

Delta R.T. 0.019 min

Lab File: VX036469.D

Acq: 07 Jul 2023 19:02

Instrument :

MSVOA_X

ClientSampleId :

1674

Tgt Ion: 43 Resp: 1233

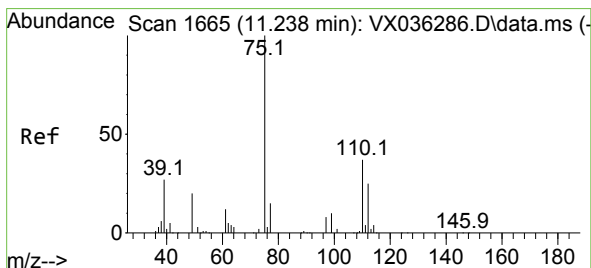
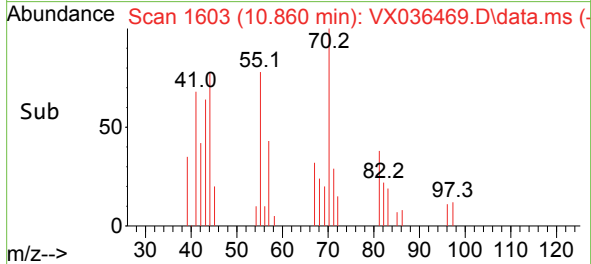
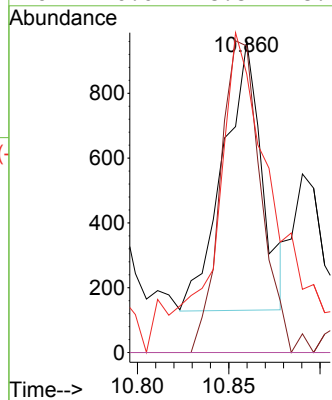
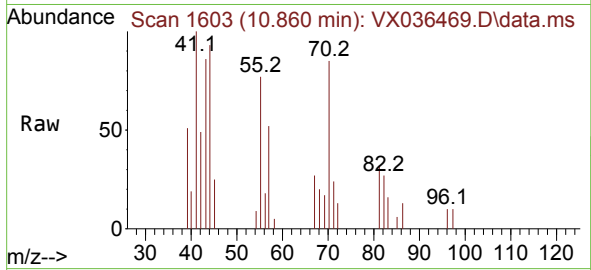
Ion Ratio Lower Upper

43 100

70 121.2 32.9 49.3#

55 185.2 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.130 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036469.D

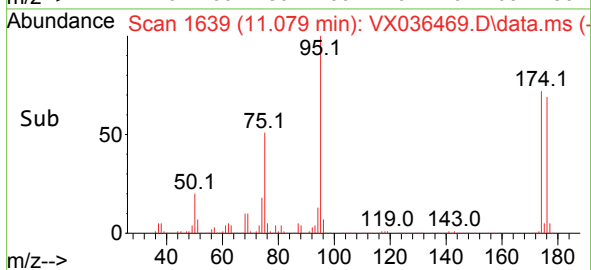
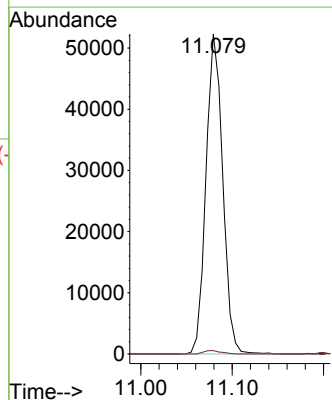
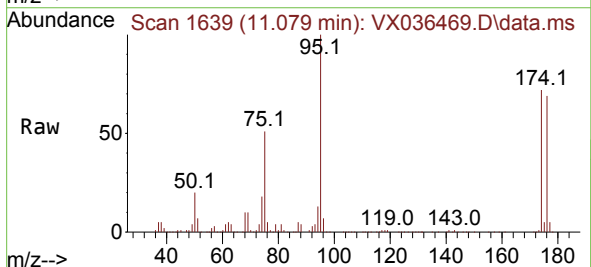
Acq: 07 Jul 2023 19:02

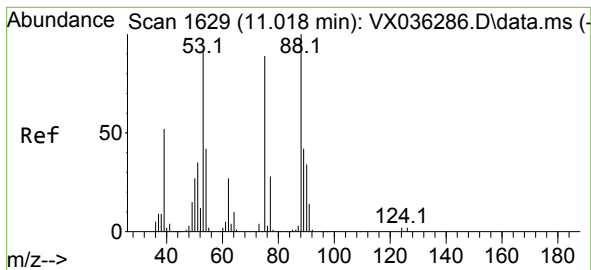
Tgt Ion: 75 Resp: 66254

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

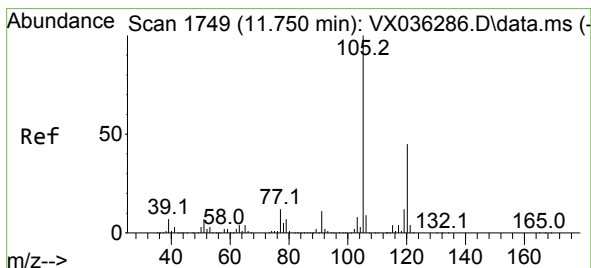
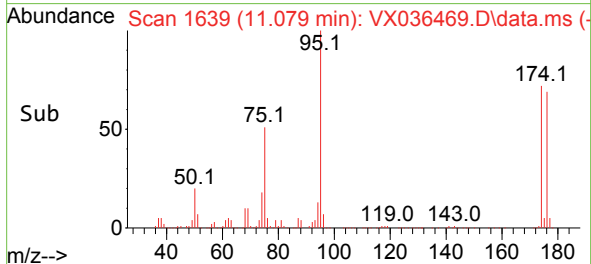
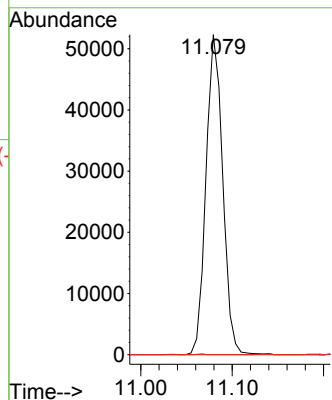
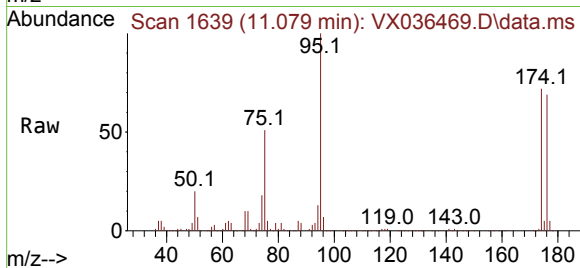




#81
trans-1,4-Dichloro-2-butene
Concen: 81.917 ug/l
RT: 11.079 min Scan# 1674
Delta R.T. 0.061 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

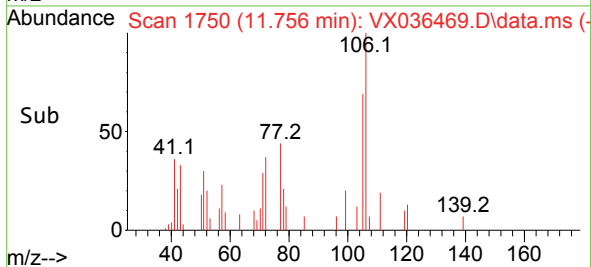
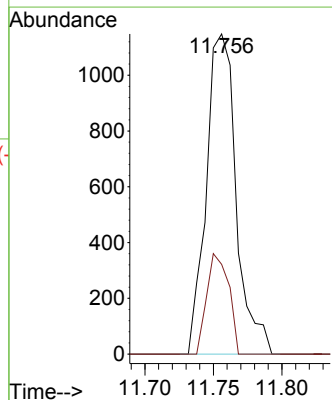
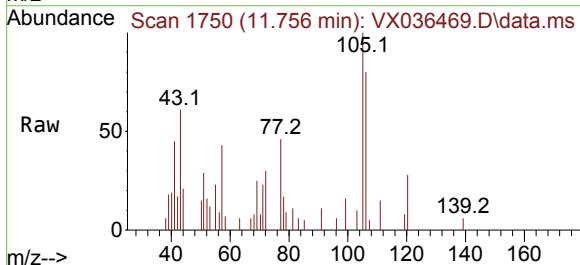
Instrument :
MSVOA_X
ClientSampleId :
1674

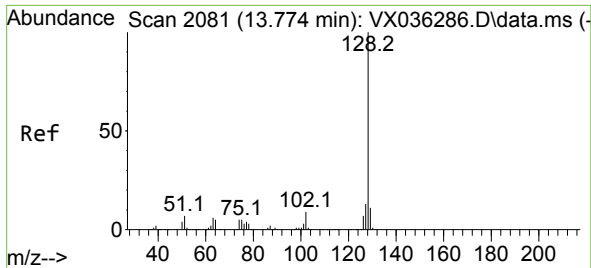
Tgt Ion: 75 Resp: 66254
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.223 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

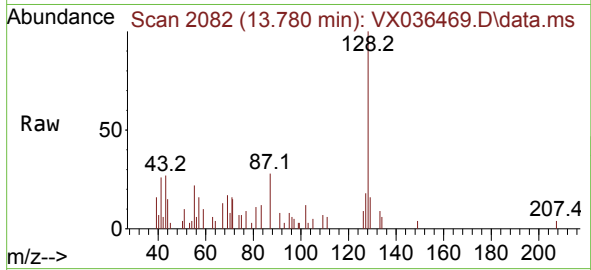
Tgt Ion: 105 Resp: 1741
Ion Ratio Lower Upper
105 100
120 23.0 21.2 63.6





#95
Naphthalene
Concen: 0.317 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036469.D
Acq: 07 Jul 2023 19:02

Instrument :
MSVOA_X
ClientSampleId :
1674



Tgt Ion:	128	Resp:	2672
Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.3	15.5#
129	13.2	8.8	13.2#

