

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037586.D
 Acq On : 07 Sep 2023 18:18
 Operator : JC/MD
 Sample : 04326-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 08 00:48:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

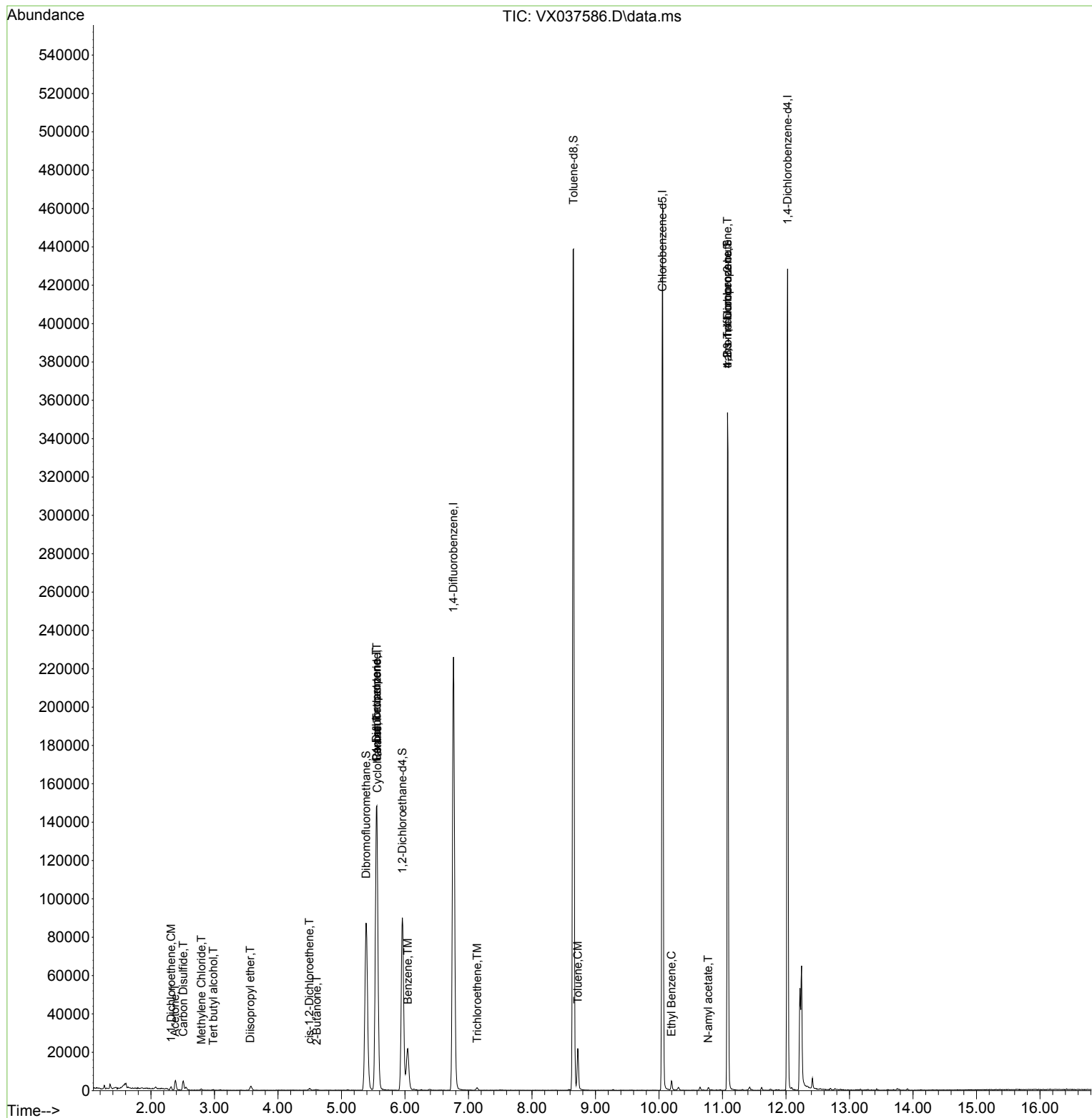
Internal Standards						
1) Pentafluorobenzene	5.556	168	143243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	244065	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88689	42.947	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.900%		
35) Dibromofluoromethane	5.385	113	79378	49.108	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.220%		
50) Toluene-d8	8.653	98	278465	47.493	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.980%		
62) 4-Bromofluorobenzene	11.079	95	101837	44.197	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.400%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	468	0.966	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	621	0.421	ug/l #	50
16) Acetone	2.380	43	5641	6.982	ug/l #	86
17) Carbon Disulfide	2.508	76	6828	1.820	ug/l	98
20) Methylene Chloride	2.794	84	382	0.211	ug/l #	47
22) Diisopropyl ether	3.562	45	1097	0.234	ug/l #	3
25) 2-Butanone	4.611	43	250	0.206	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	515	0.261	ug/l	79
31) Cyclohexane	5.562	56	2496	1.075	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10564	4.600	ug/l #	51
38) Carbon Tetrachloride	5.556	117	14731	5.905	ug/l #	16
40) Benzene	6.044	78	28451	4.320	ug/l	100
44) Trichloroethene	7.135	130	643	0.344	ug/l	97
52) Toluene	8.720	92	8951	2.057	ug/l	98
67) Ethyl Benzene	10.195	91	3324	0.406	ug/l	94
74) N-amyl acetate	10.775	43	950	0.357	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	48544	24.184	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	48544	67.546	ug/l #	5

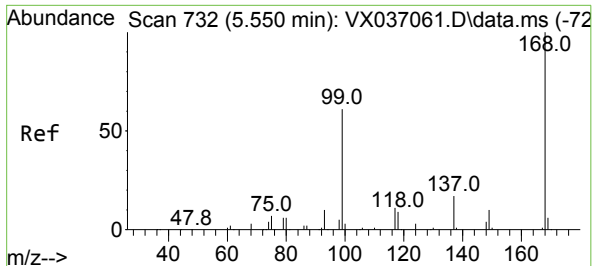
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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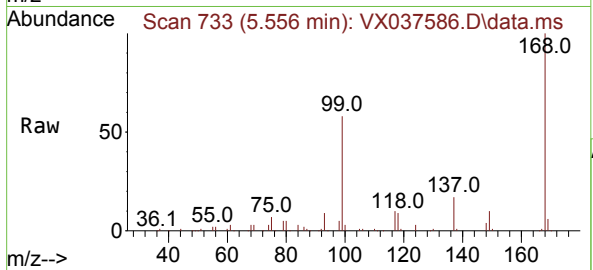
Quant Time: Sep 08 00:48:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
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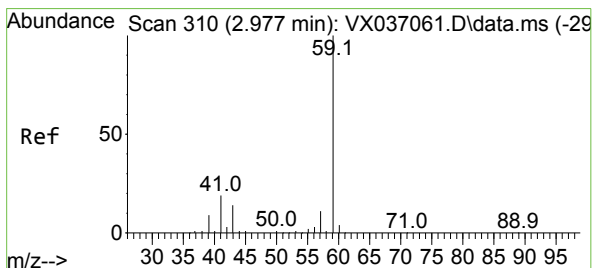
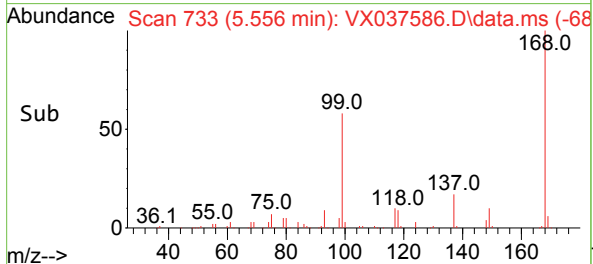
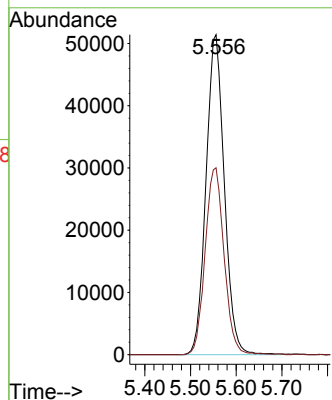


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

Instrument :
MSVOA_X
ClientSampleId :

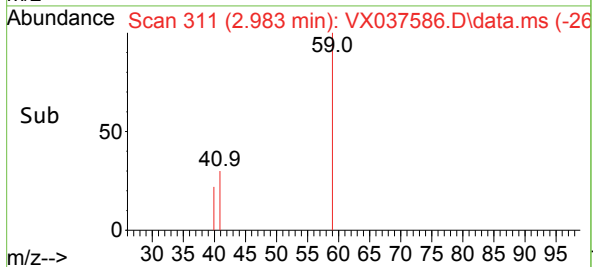
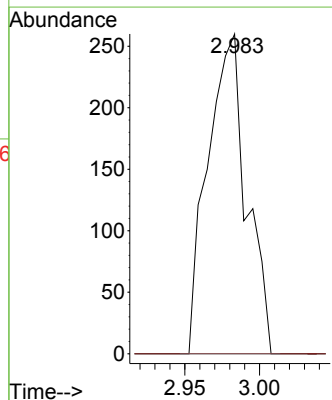
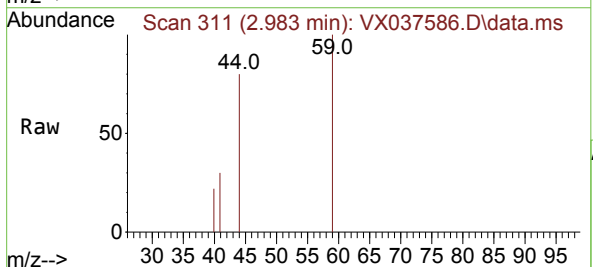


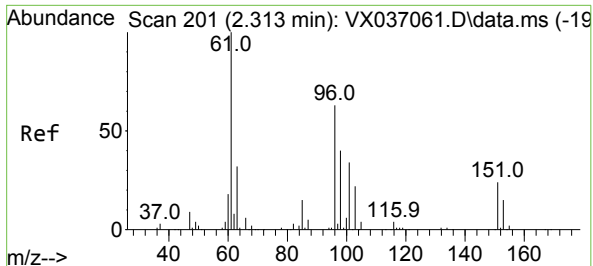
Tgt Ion:168 Resp: 143243
Ion Ratio Lower Upper
168 100
99 58.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.966 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

Tgt Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.421 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037586.D

Acq: 07 Sep 2023 18:18

Instrument :

MSVOA_X

ClientSampleId :

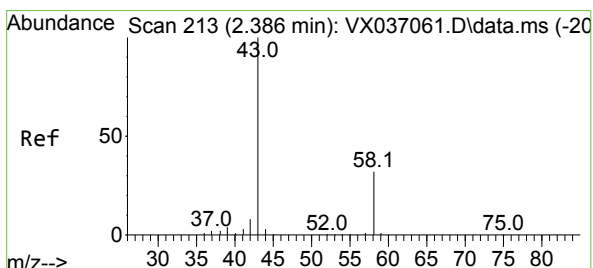
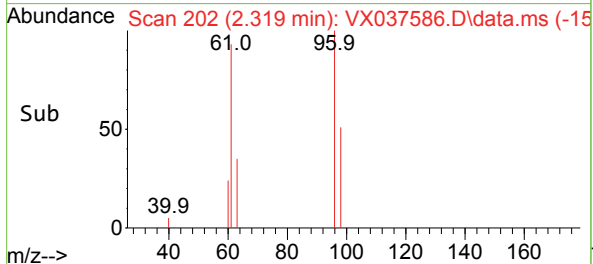
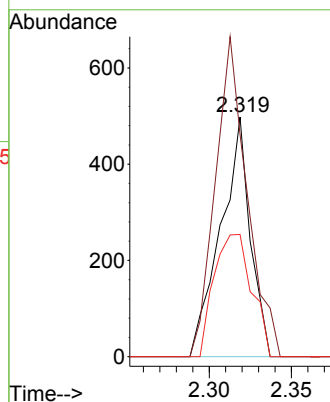
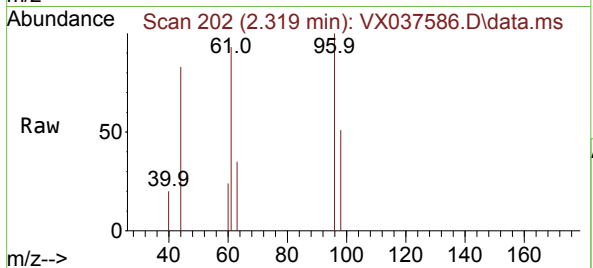
Tgt Ion: 96 Resp: 621

Ion Ratio Lower Upper

96 100

61 92.8 144.6 216.8#

98 51.0 50.4 75.6



#16

Acetone

Concen: 6.982 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037586.D

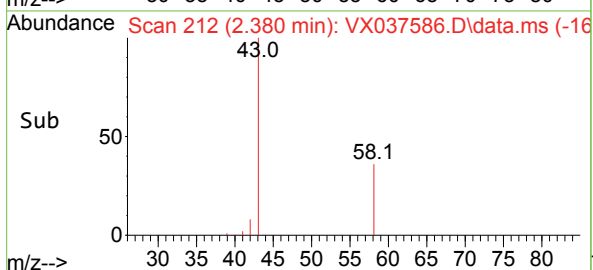
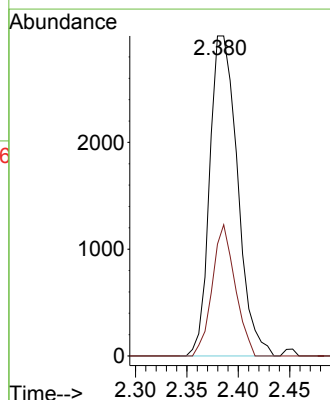
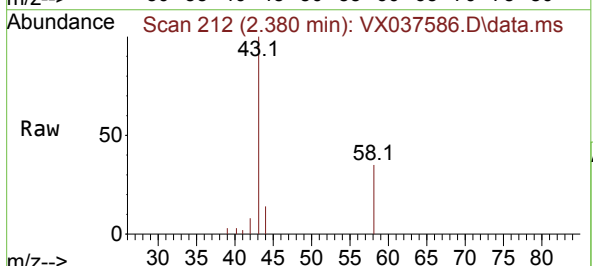
Acq: 07 Sep 2023 18:18

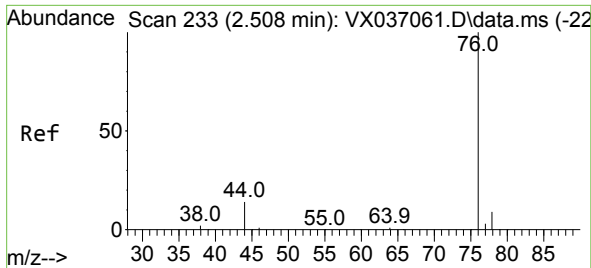
Tgt Ion: 43 Resp: 5641

Ion Ratio Lower Upper

43 100

58 34.9 21.9 32.9#





#17

Carbon Disulfide

Concen: 1.820 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX037586.D

Acq: 07 Sep 2023 18:18

Instrument :

MSVOA_X

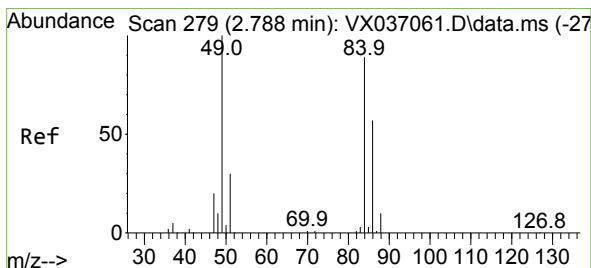
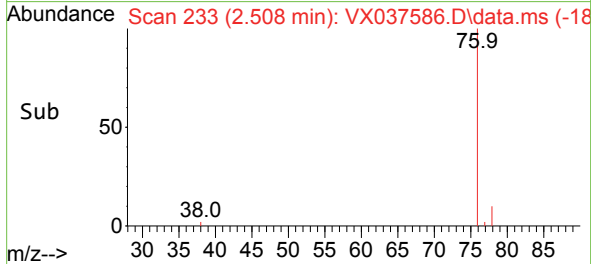
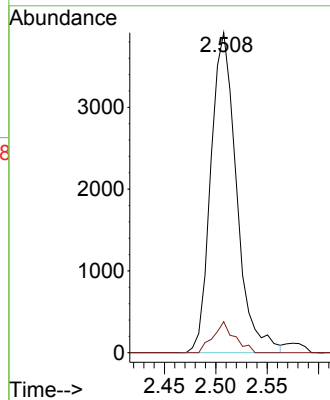
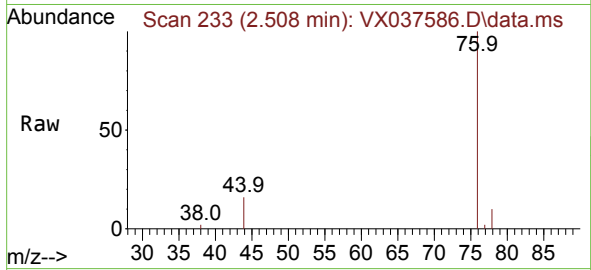
ClientSampleId :

Tgt Ion: 76 Resp: 6828

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6



#20

Methylene Chloride

Concen: 0.211 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037586.D

Acq: 07 Sep 2023 18:18

Tgt Ion: 84 Resp: 382

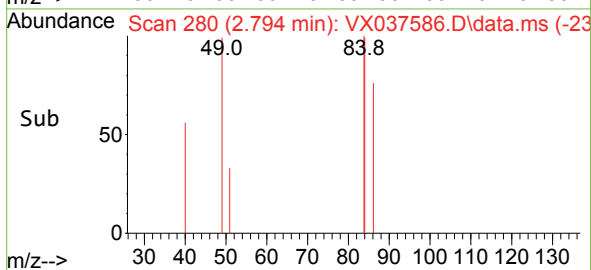
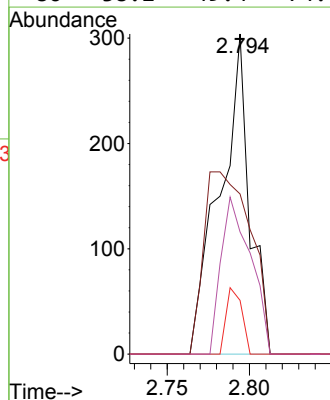
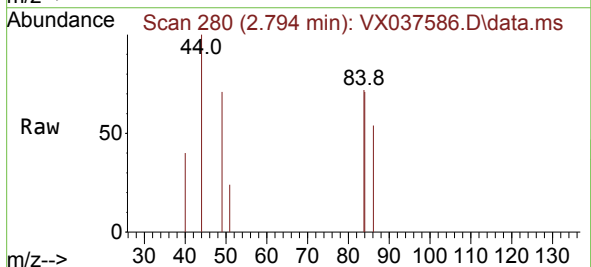
Ion Ratio Lower Upper

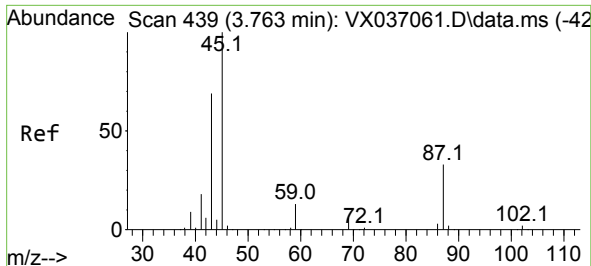
84 100

49 50.0 103.6 155.4#

51 16.8 33.8 50.6#

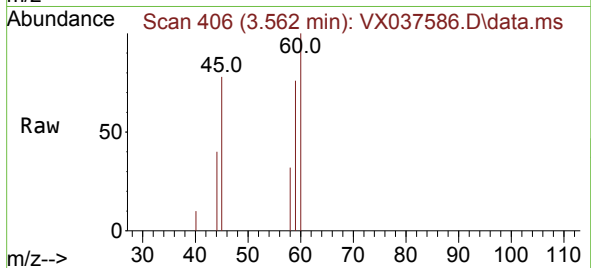
86 38.2 49.4 74.0#



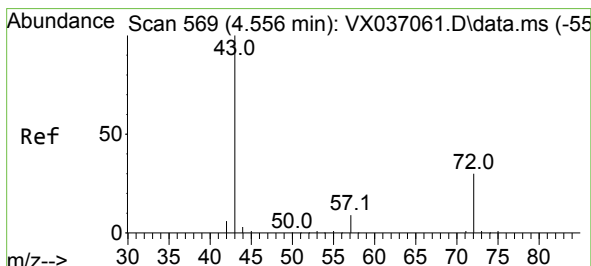
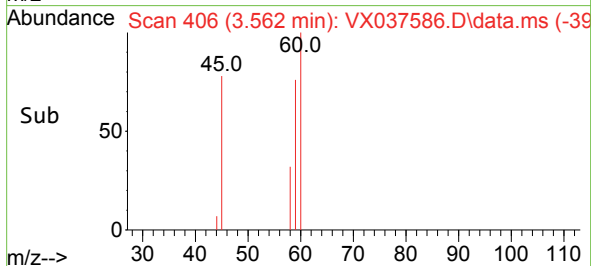
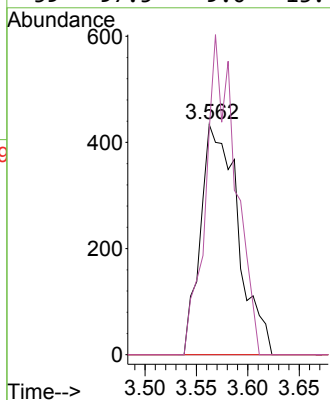


#22
Diisopropyl ether
Concen: 0.234 ug/l
RT: 3.562 min Scan# 406
Delta R.T. -0.201 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

Instrument :
MSVOA_X
ClientSampleId :

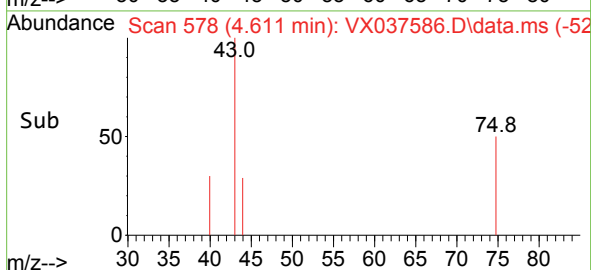
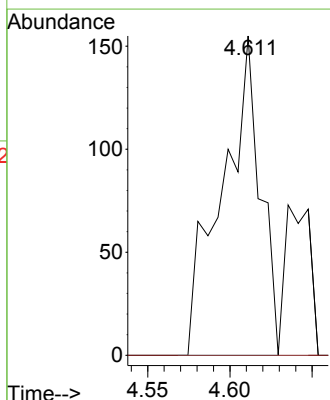
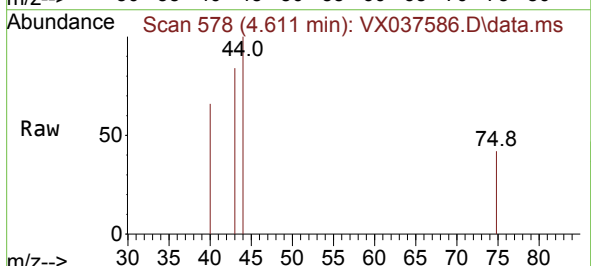


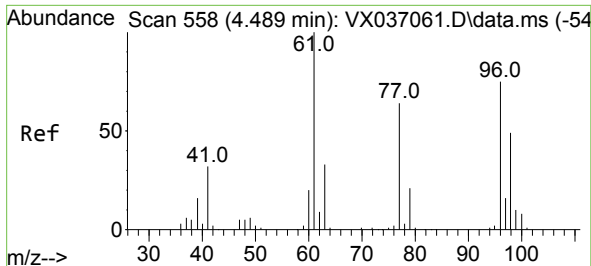
Tgt Ion:	45	Resp:	1097
Ion Ratio	100	Lower	Upper
43	0.0	69.7	104.5#
87	0.0	20.8	31.2#
59	97.5	9.0	13.4#



#25
2-Butanone
Concen: 0.206 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

Tgt Ion:	43	Resp:	250
Ion Ratio	100	Lower	Upper
72	0.0	19.4	29.2#





#27

cis-1,2-Dichloroethene

Concen: 0.261 ug/l

RT: 4.495 min Scan# 515

Delta R.T. 0.006 min

Lab File: VX037586.D

Acq: 07 Sep 2023 18:18

Instrument :

MSVOA_X

ClientSampleId :

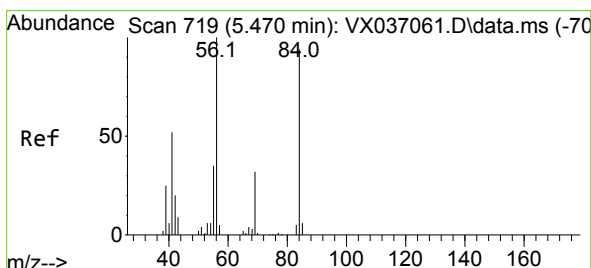
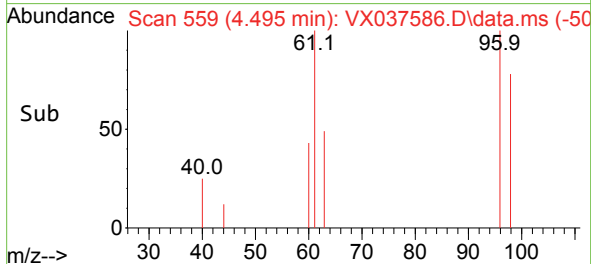
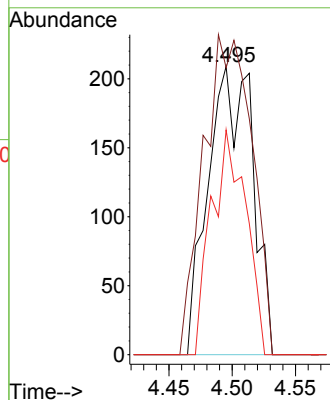
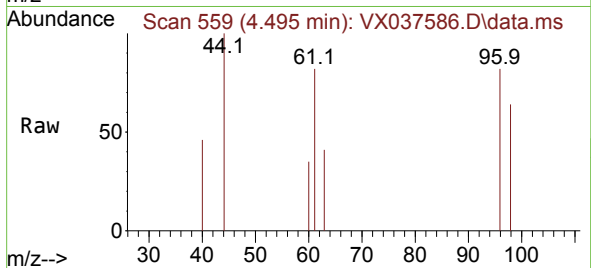
Tgt Ion: 96 Resp: 515

Ion Ratio Lower Upper

96 100

61 120.2 0.0 312.2

98 60.0 0.0 129.0



#31

Cyclohexane

Concen: 1.075 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX037586.D

Acq: 07 Sep 2023 18:18

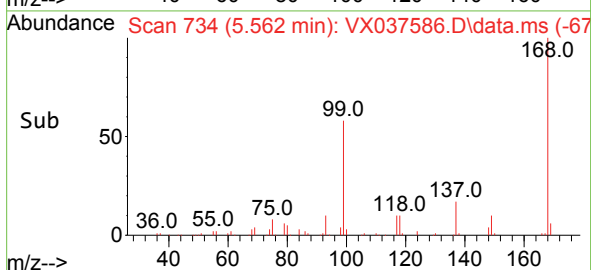
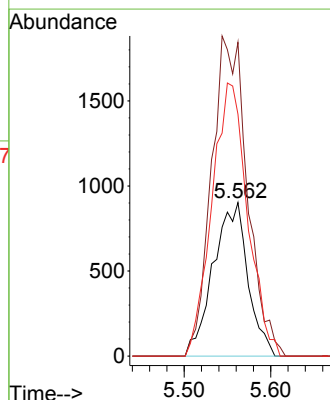
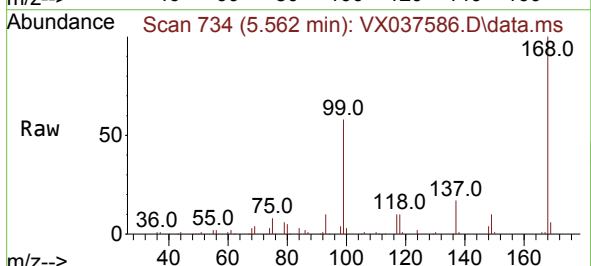
Tgt Ion: 56 Resp: 2496

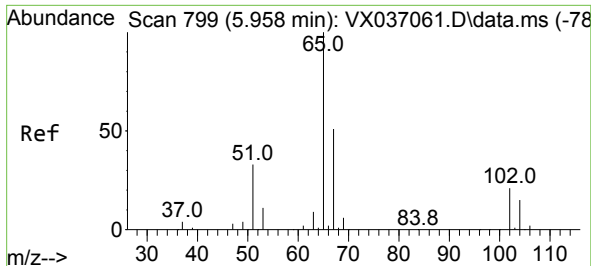
Ion Ratio Lower Upper

56 100

69 204.2 23.4 35.2#

84 157.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.947 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037586.D

Acq: 07 Sep 2023 18:18

Instrument :

MSVOA_X

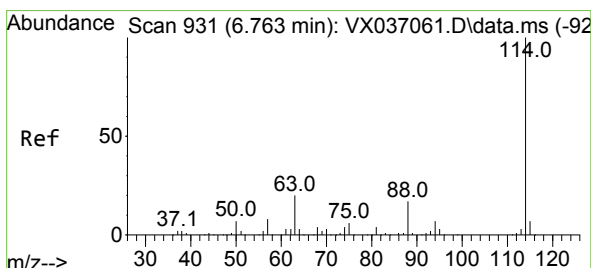
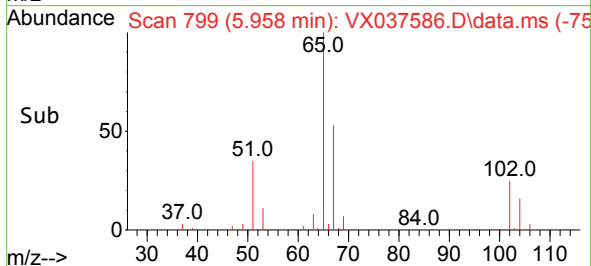
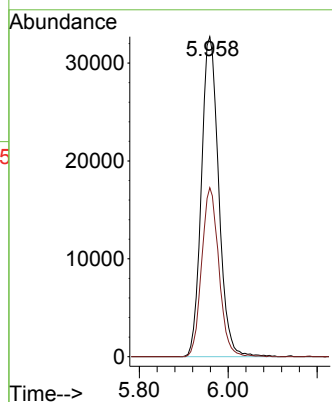
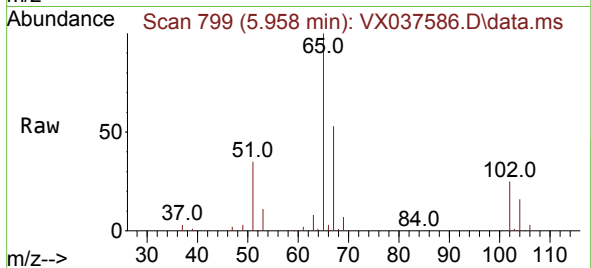
ClientSampleId :

Tgt Ion: 65 Resp: 88689

Ion Ratio Lower Upper

65 100

67 52.4 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: VX037586.D

Acq: 07 Sep 2023 18:18

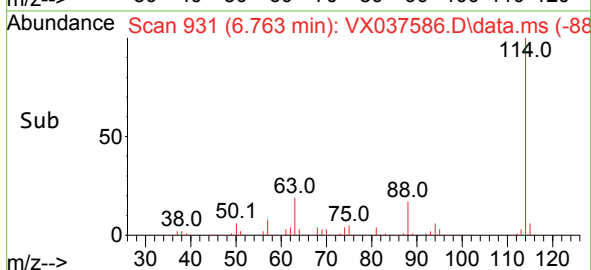
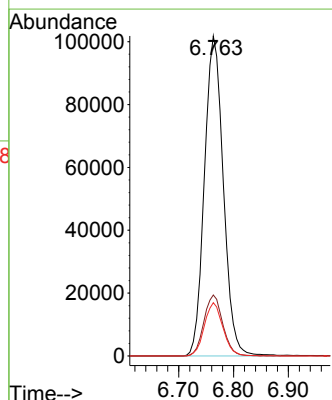
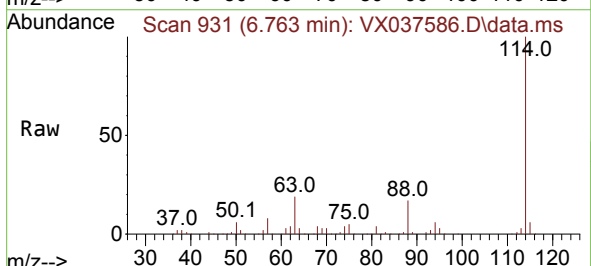
Tgt Ion: 114 Resp: 244065

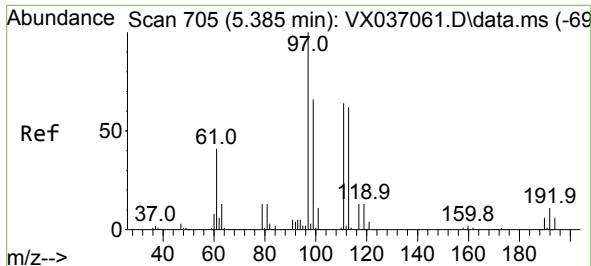
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

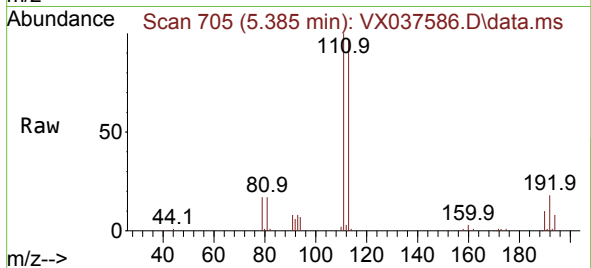
88 16.6 0.0 36.6



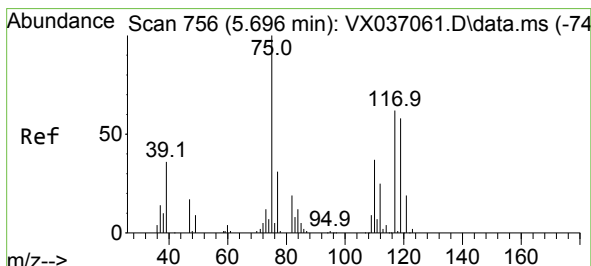
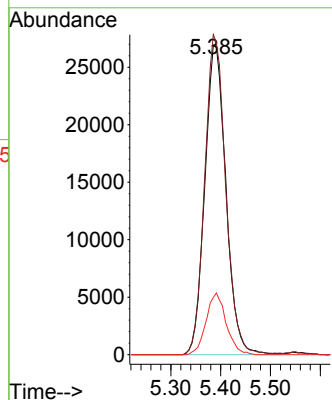
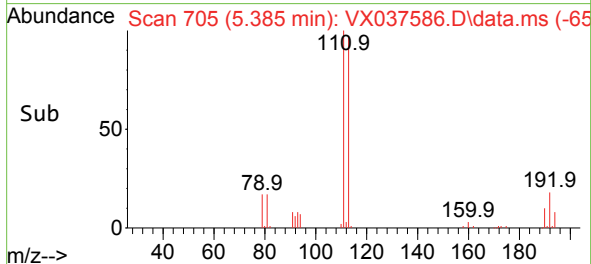


#35
Dibromofluoromethane
Concen: 49.108 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

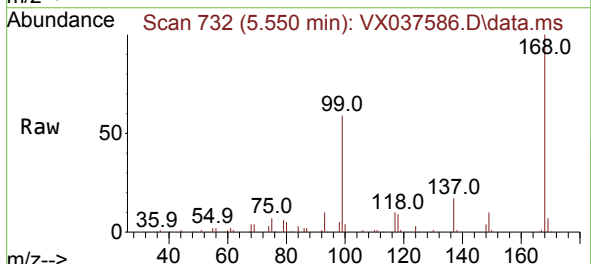
Instrument :
MSVOA_X
ClientSampleId :



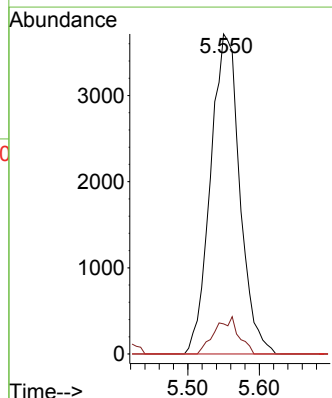
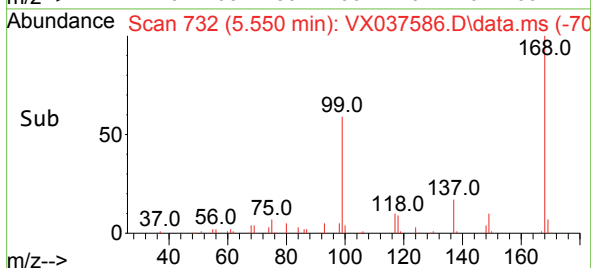
Tgt Ion:113 Resp: 79378
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 18.9 13.3 19.9

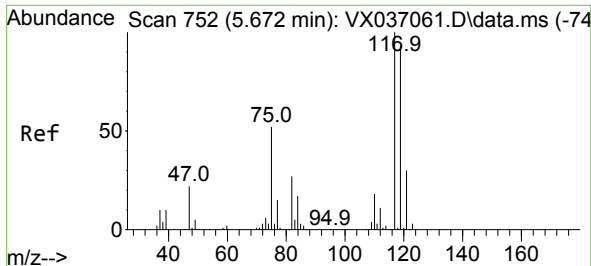


#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18



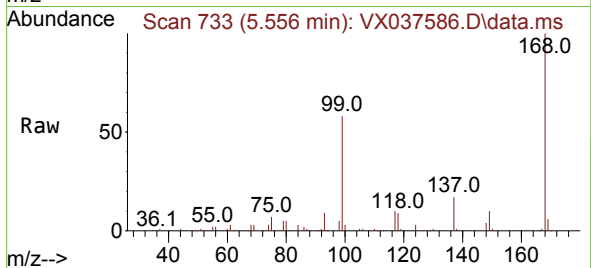
Tgt Ion: 75 Resp: 10564
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



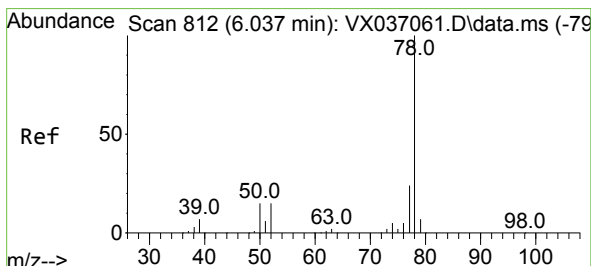
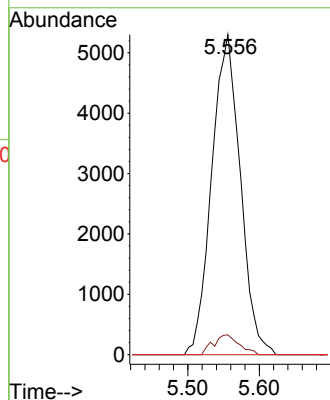
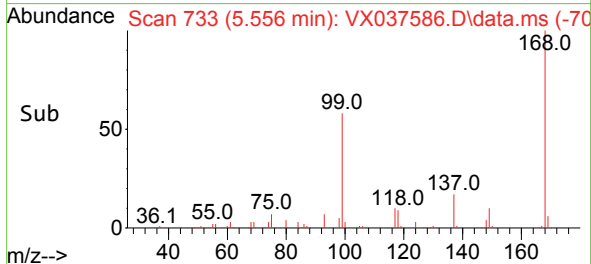


#38
Carbon Tetrachloride
Concen: 5.905 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

Instrument :
MSVOA_X
ClientSampleId :

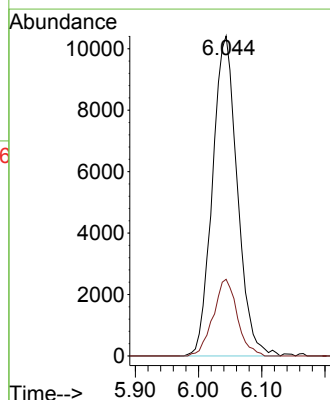
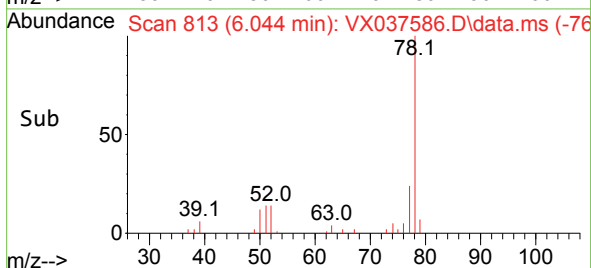
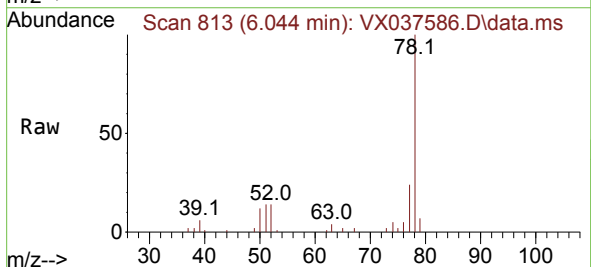


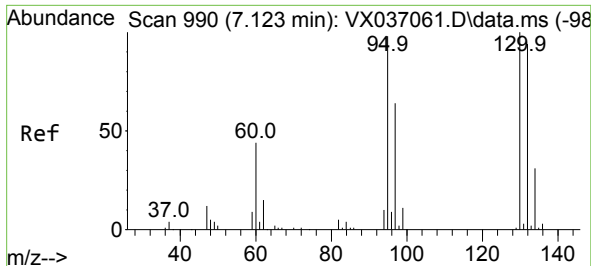
Tgt Ion:117 Resp: 14731
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 4.320 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

Tgt Ion: 78 Resp: 28451
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

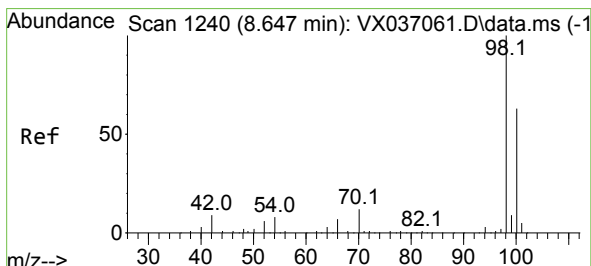
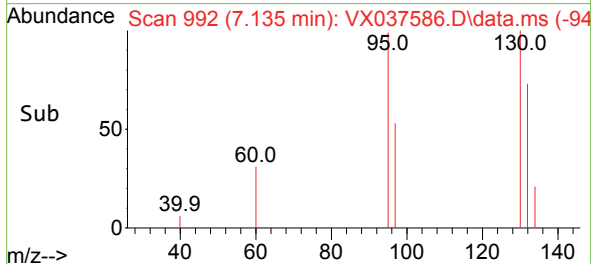
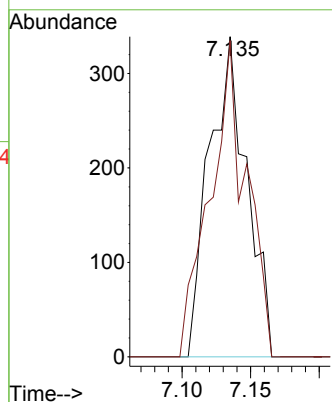
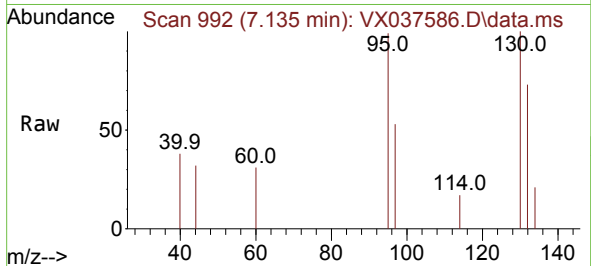




#44
Trichloroethene
Concen: 0.344 ug/l
RT: 7.135 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

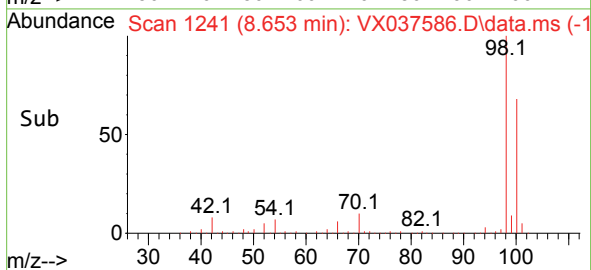
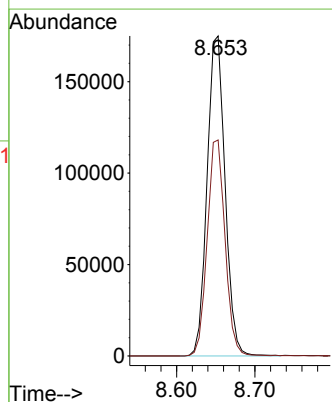
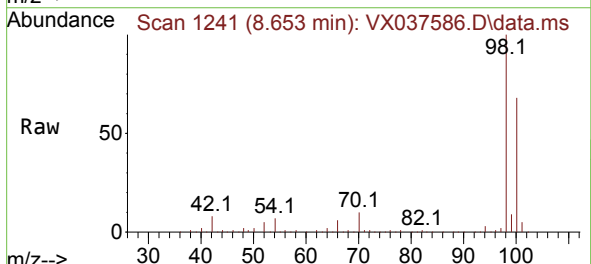
Instrument :
MSVOA_X
ClientSampleId :

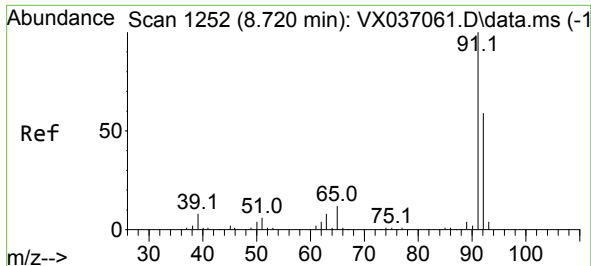
Tgt Ion:130 Resp: 643
Ion Ratio Lower Upper
130 100
95 98.8 0.0 204.4



#50
Toluene-d8
Concen: 47.493 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

Tgt Ion: 98 Resp: 278465
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

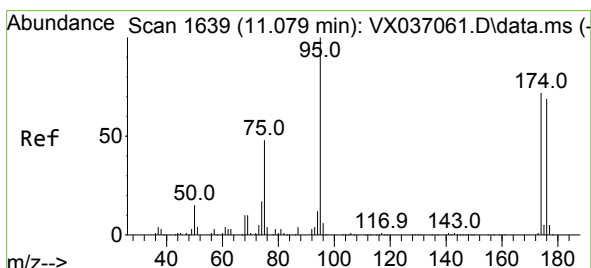
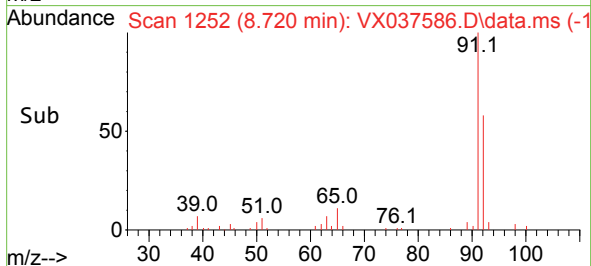
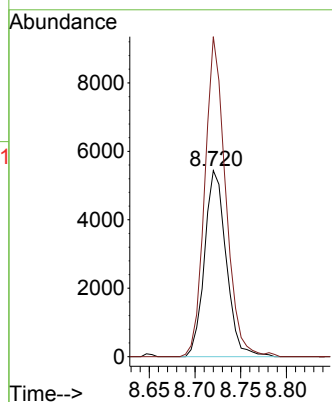
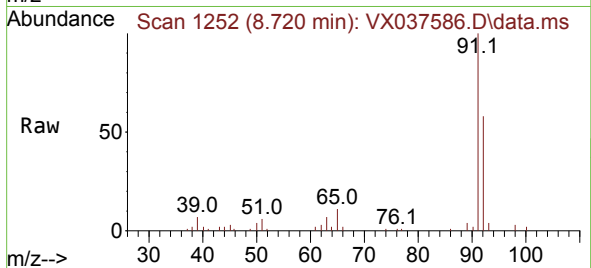




#52
Toluene
Concen: 2.057 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

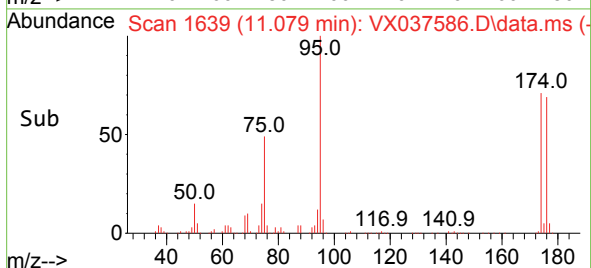
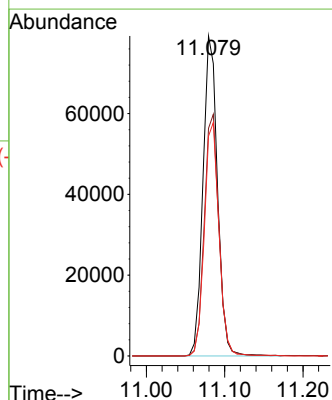
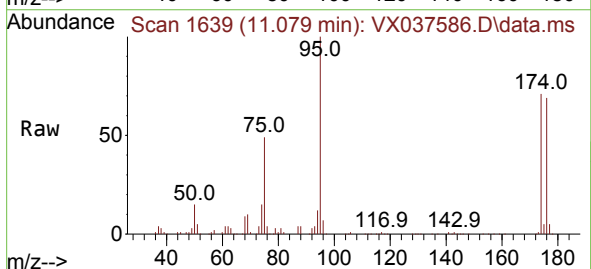
Instrument :
MSVOA_X
ClientSampleId :

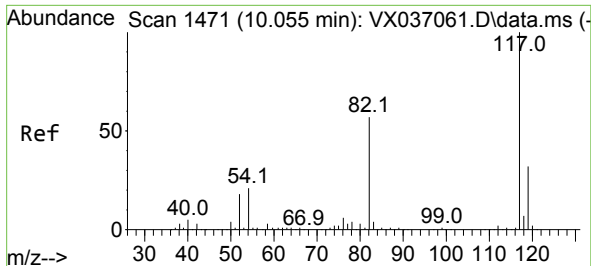
Tgt Ion: 92 Resp: 8951
Ion Ratio Lower Upper
92 100
91 165.3 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 44.197 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

Tgt Ion: 95 Resp: 101837
Ion Ratio Lower Upper
95 100
174 76.3 0.0 135.6
176 73.4 0.0 131.0

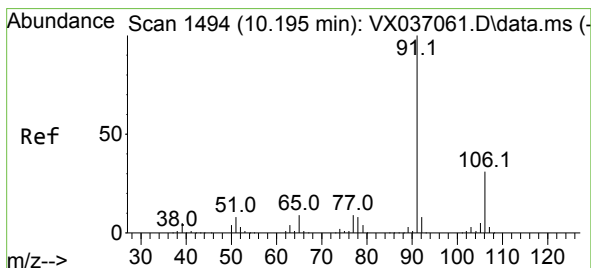
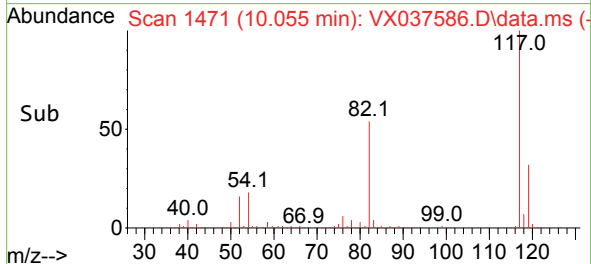
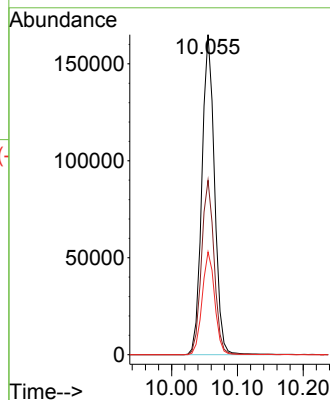
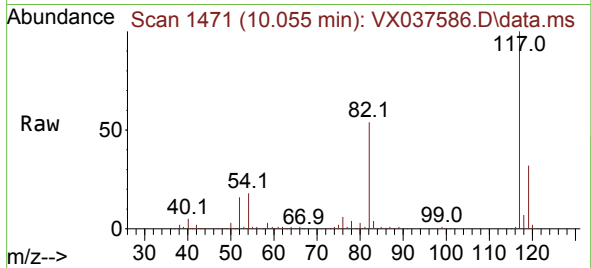




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

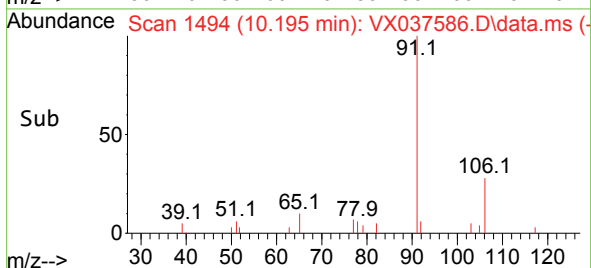
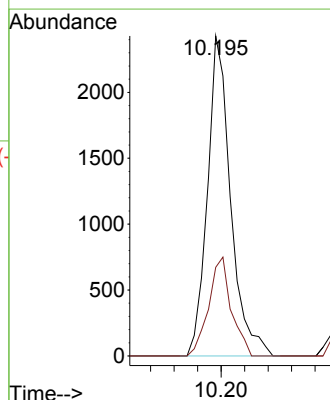
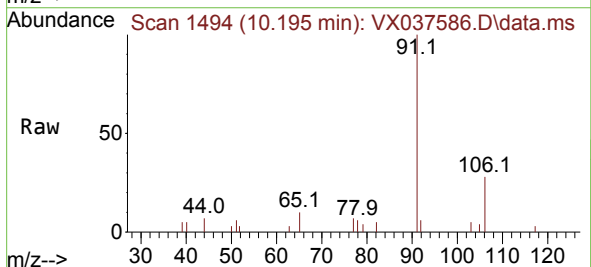
Instrument :
MSVOA_X
ClientSampleId :

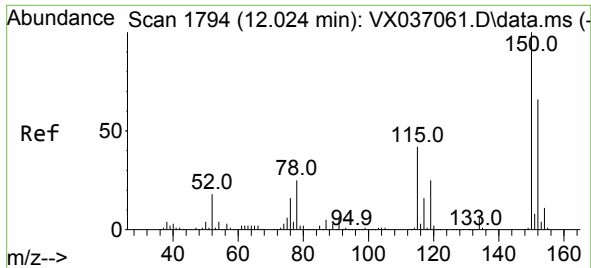
Tgt Ion:117 Resp: 220283
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 32.1 25.5 38.3



#67
Ethyl Benzene
Concen: 0.406 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX037586.D
Acq: 07 Sep 2023 18:18

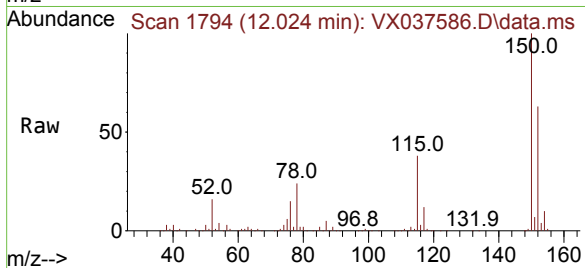
Tgt Ion: 91 Resp: 3324
Ion Ratio Lower Upper
91 100
106 27.7 24.9 37.3



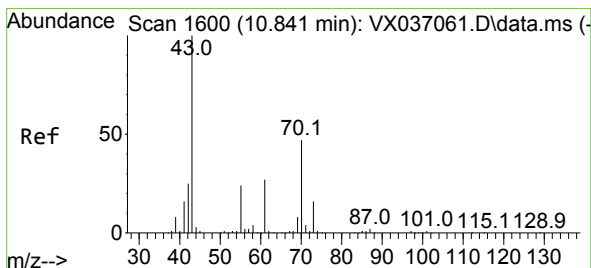
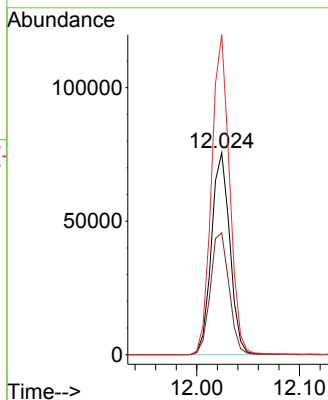
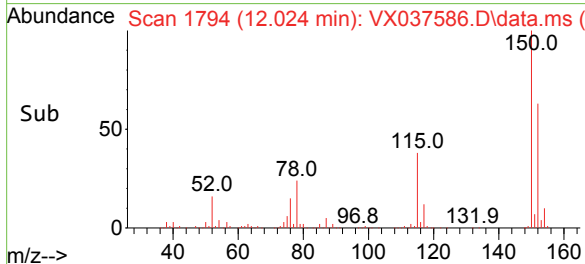


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037586.D
 Acq: 07 Sep 2023 18:18

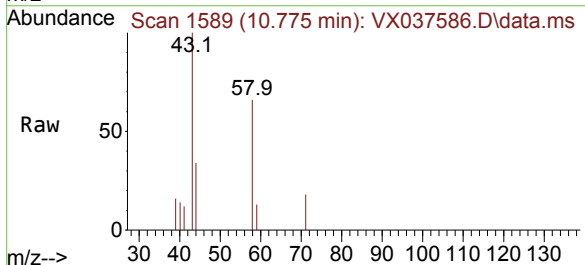
Instrument :
 MSVOA_X
 ClientSampleId :



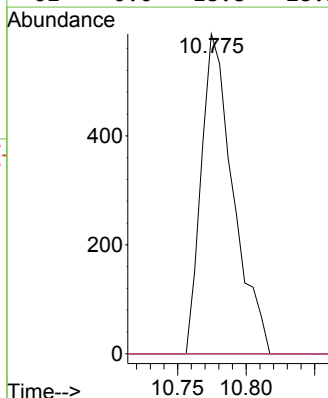
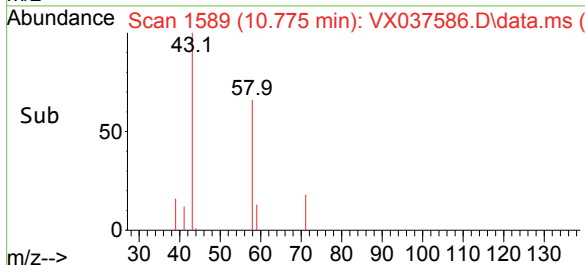
Tgt Ion:152 Resp: 94254
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.3 129.9
 150 155.1 0.0 345.0

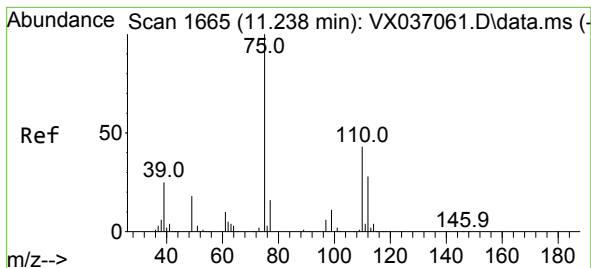


#74
 N-ethyl acetate
 Concen: 0.357 ug/l
 RT: 10.775 min Scan# 1589
 Delta R.T. -0.067 min
 Lab File: VX037586.D
 Acq: 07 Sep 2023 18:18



Tgt Ion: 43 Resp: 950
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 0.0 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.184 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX037586.D

Acq: 07 Sep 2023 18:18

Instrument :

MSVOA_X

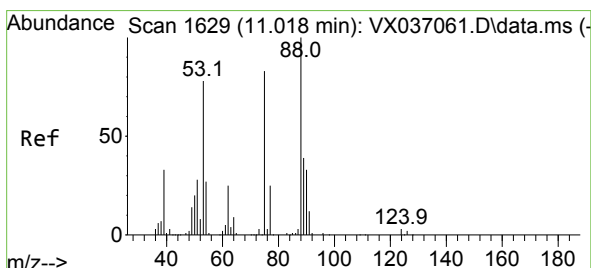
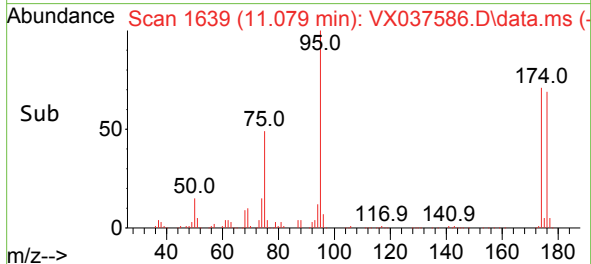
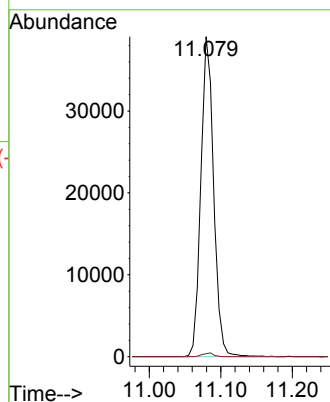
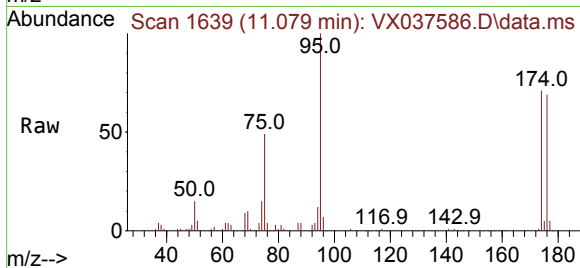
ClientSampleId :

Tgt Ion: 75 Resp: 48544

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.546 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037586.D

Acq: 07 Sep 2023 18:18

Tgt Ion: 75 Resp: 48544

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

