

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038339.D
 Acq On : 17 Oct 2023 19:00
 Operator : JC/MD
 Sample : 04908-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

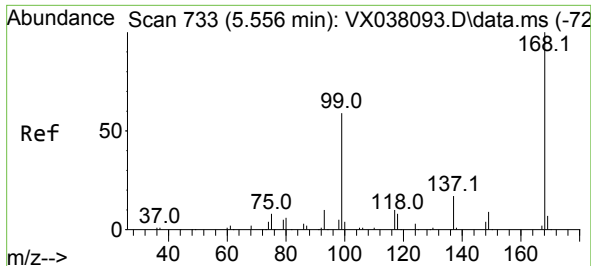
Quant Time: Oct 18 04:04:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	121265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88560	45.404	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.800%
35) Dibromofluoromethane	5.391	113	70414	44.547	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.100%
50) Toluene-d8	8.647	98	289186	47.877	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.760%
62) 4-Bromofluorobenzene	11.079	95	114880	50.169	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.340%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	20	Below Cal	#	3
6) Chloroethane	1.685	64	109	Below Cal	#	43
11) Tert butyl alcohol	2.959	59	826	Below Cal	#	78
16) Acetone	2.374	43	19076	23.434	ug/l	96
18) Methyl Acetate	2.703	43	835	0.239	ug/l	92
20) Methylene Chloride	2.788	84	11275	7.364	ug/l	92
25) 2-Butanone	4.568	43	2799	2.131	ug/l	96
29) Tetrahydrofuran	5.038	42	334	0.391	ug/l	# 63
31) Cyclohexane	5.556	56	3037	1.437	ug/l	# 13
36) 1,1-Dichloropropene	5.544	75	10279	4.716	ug/l	# 50
37) Ethyl Acetate	4.733	43	2901	1.121	ug/l	# 91
38) Carbon Tetrachloride	5.556	117	12898	6.015	ug/l	# 16
41) Methacrylonitrile	5.032	41	266	0.207	ug/l	# 49
43) Isopropyl Acetate	6.336	43	94835	24.540	ug/l	97
48) Methyl methacrylate	7.793	41	100430	54.438	ug/l	# 51
49) 1,4-Dioxane	7.805	88	118	2.596	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	74119	27.806	ug/l	# 51
53) t-1,3-Dichloropropene	8.952	75	643	0.275	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	34581	14.085	ug/l	# 62
57) 1,3-Dichloropropane	9.482	76	5109	1.860	ug/l	# 42
59) 2-Hexanone	9.482	43	66783	31.164	ug/l	# 54
74) N-amyl acetate	10.640	43	19470	5.469	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	62275	22.035	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	62275	63.183	ug/l	# 5

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

Quant Time: Oct 18 04:04:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

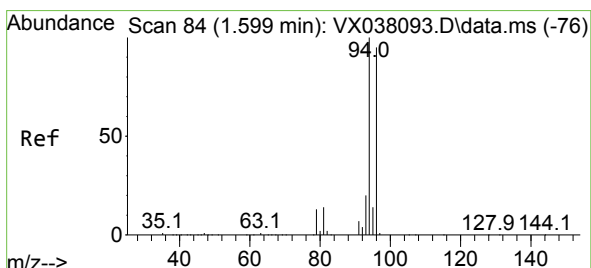
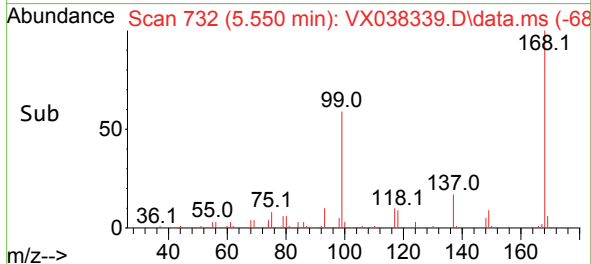
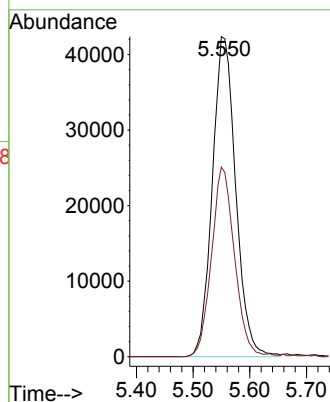
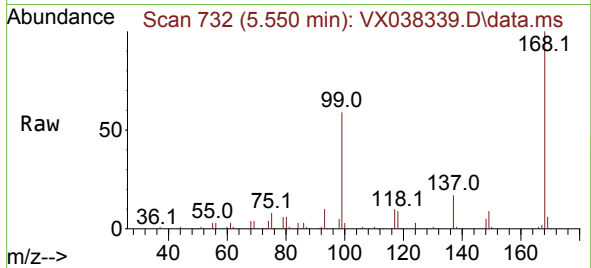




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

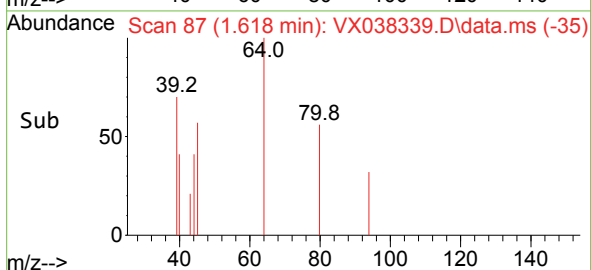
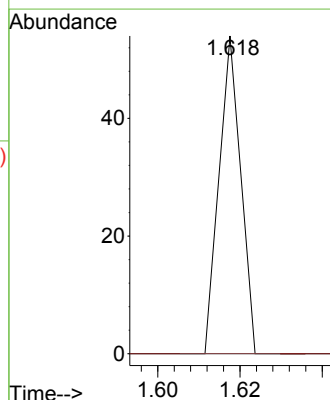
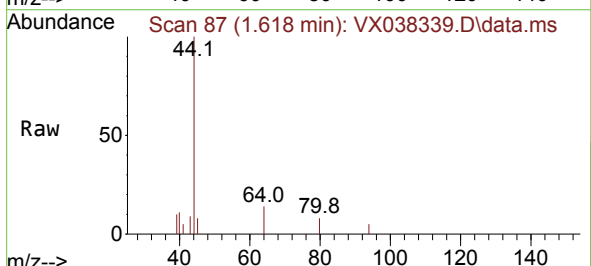
Instrument :
MSVOA_X
ClientSampleId :

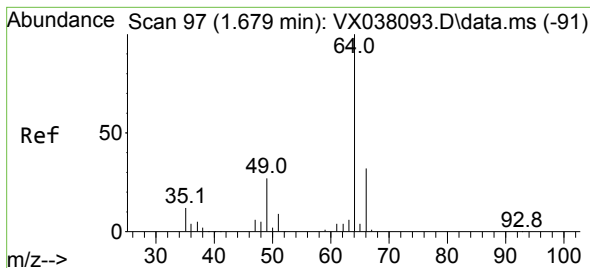
Tgt Ion:168 Resp: 121265
Ion Ratio Lower Upper
168 100
99 59.3 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.685 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX038339.D

Acq: 17 Oct 2023 19:00

Instrument :

MSVOA_X

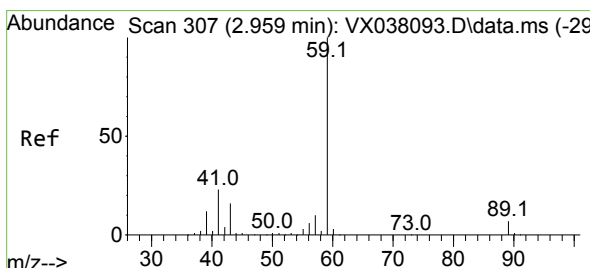
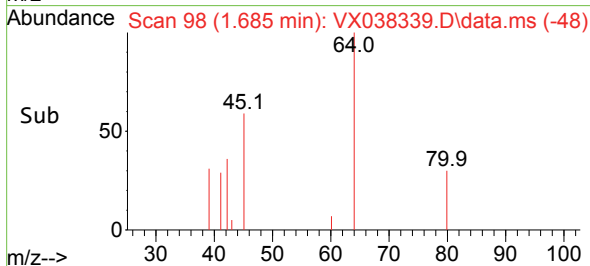
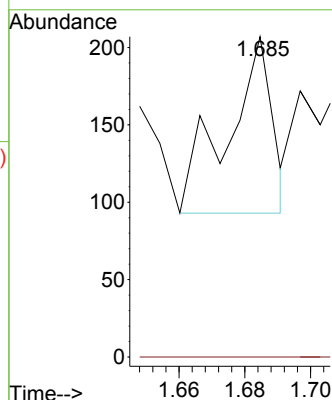
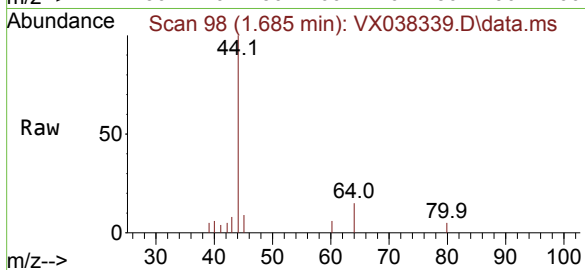
ClientSampleId :

Tgt Ion: 64 Resp: 109

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. -0.000 min

Lab File: VX038339.D

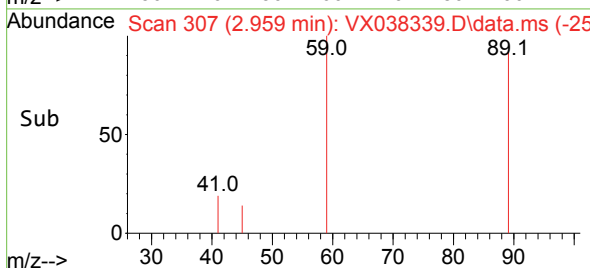
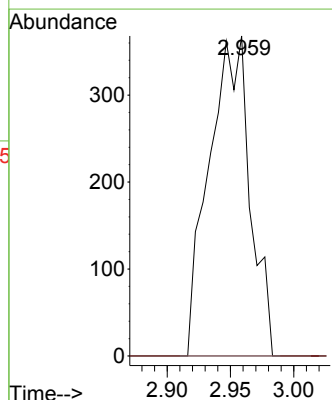
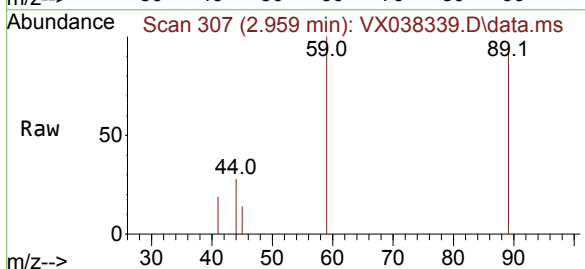
Acq: 17 Oct 2023 19:00

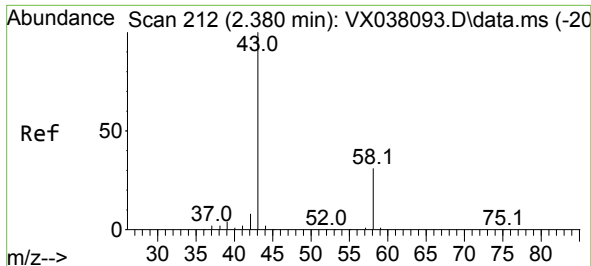
Tgt Ion: 59 Resp: 826

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

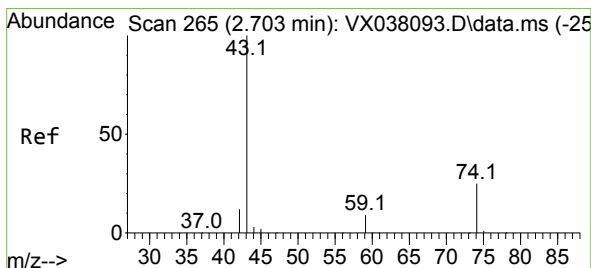
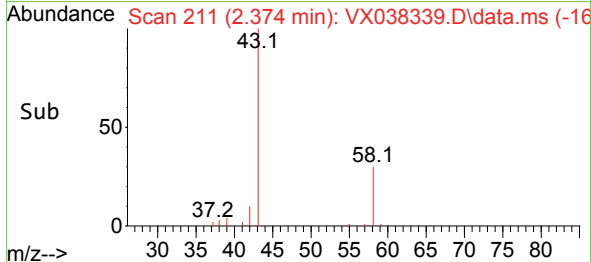
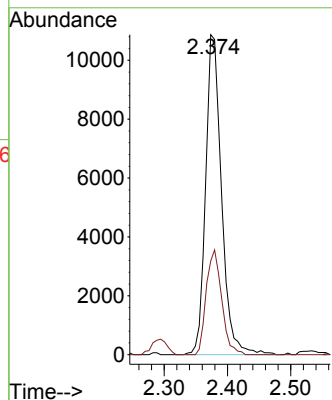
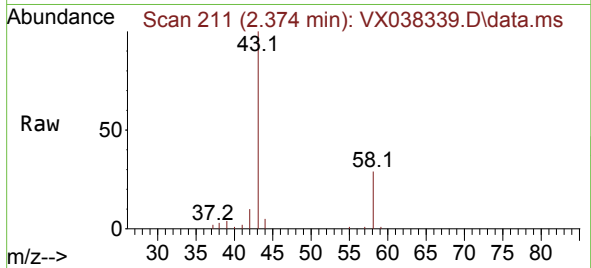




#16
Acetone
Concen: 23.434 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

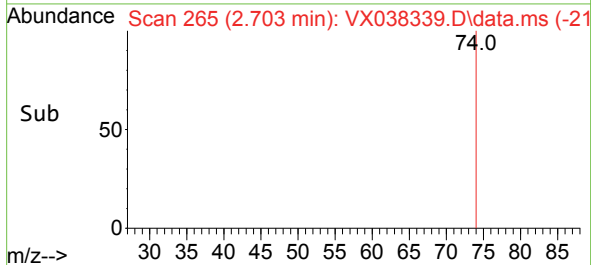
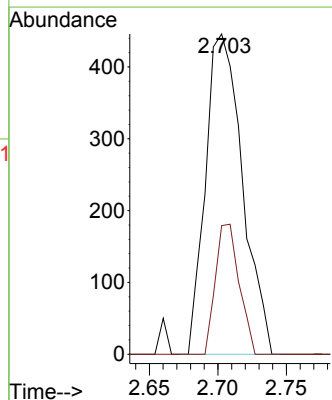
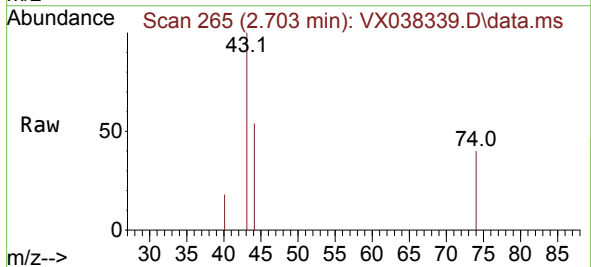
Instrument :
MSVOA_X
ClientSampleId :

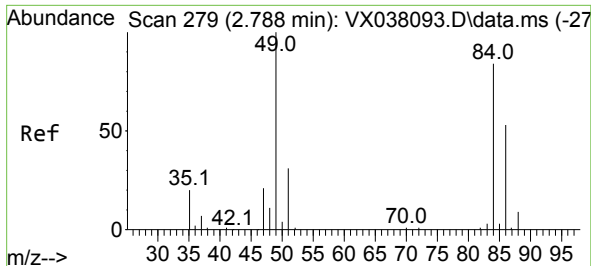
Tgt Ion: 43 Resp: 19076
Ion Ratio Lower Upper
43 100
58 29.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

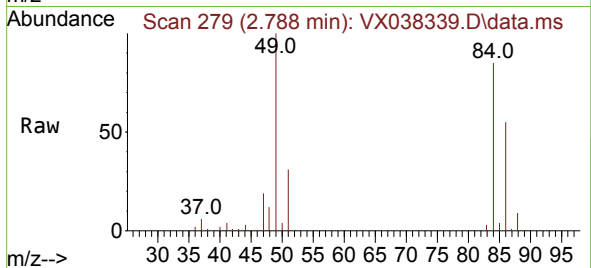
Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
74 26.1 17.8 26.8



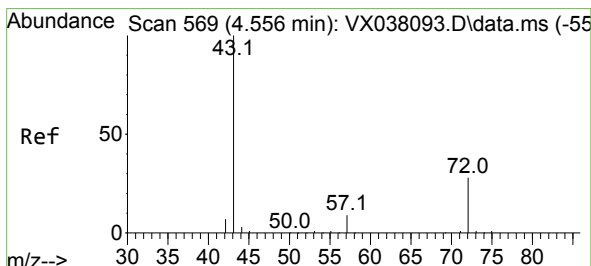
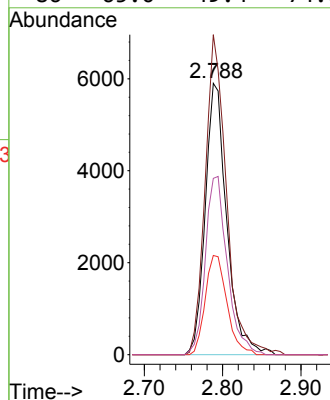
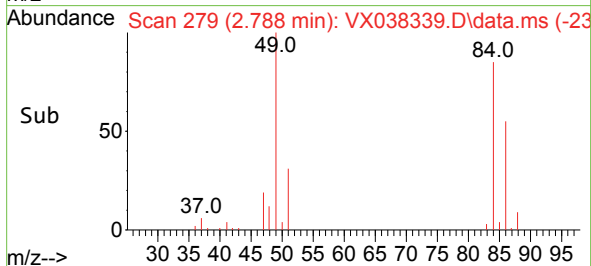


#20
Methylene Chloride
Concen: 7.364 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

Instrument :
MSVOA_X
ClientSampleId :

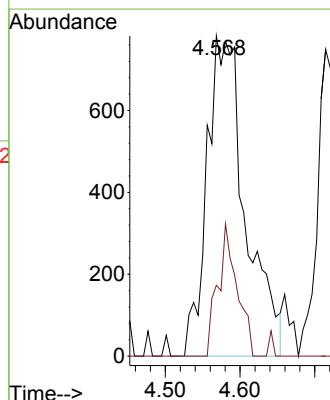
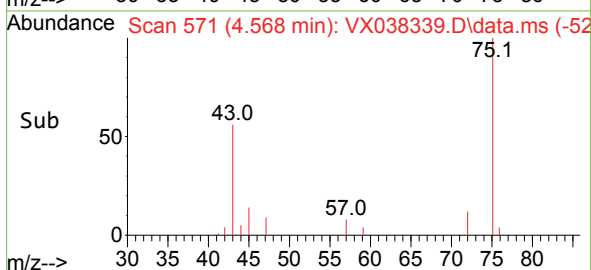
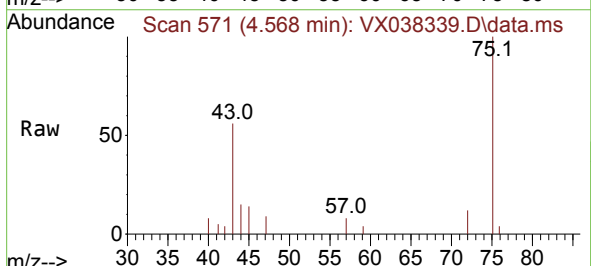


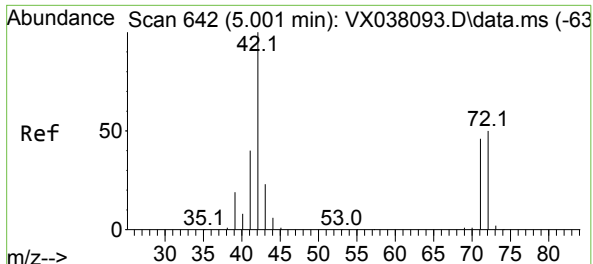
Tgt Ion:	84	Resp:	11275
Ion	Ratio	Lower	Upper
84	100		
49	117.9	103.6	155.4
51	36.6	33.8	50.6
86	65.0	49.4	74.0



#25
2-Butanone
Concen: 2.131 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

Tgt Ion:	43	Resp:	2799
Ion	Ratio	Lower	Upper
43	100		
72	22.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.391 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

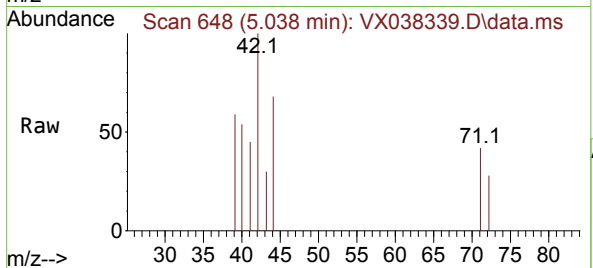
Lab File: VX038339.D

Acq: 17 Oct 2023 19:00

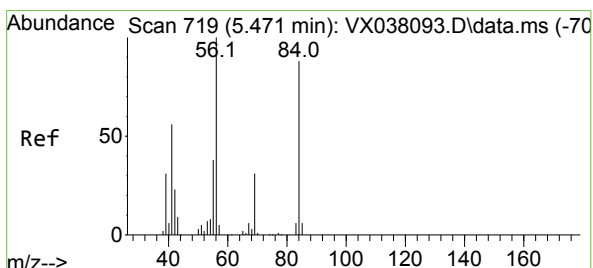
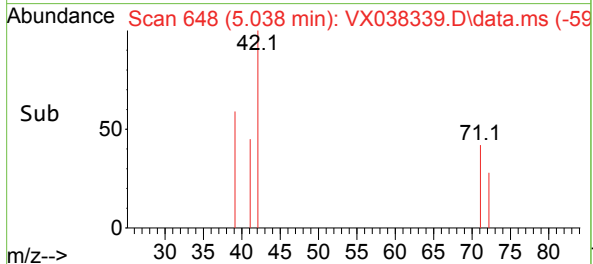
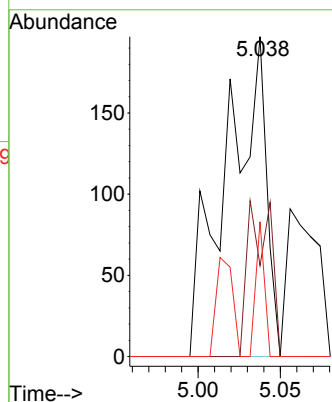
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	334
Ion	Ratio	Lower	Upper
42	100		
72	26.9	34.2	51.4#
71	9.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.437 ug/l

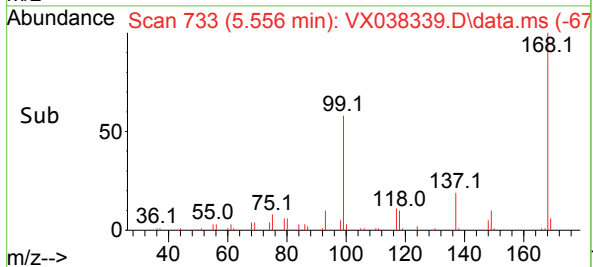
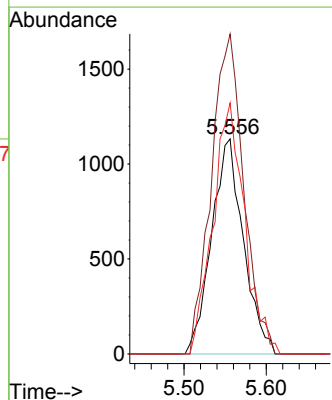
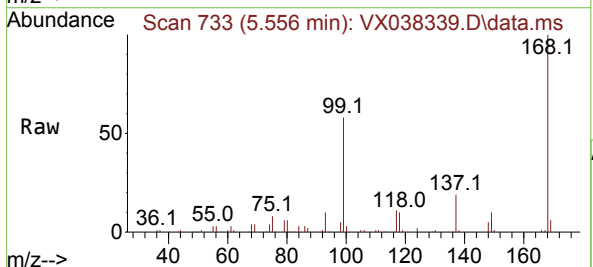
RT: 5.556 min Scan# 733

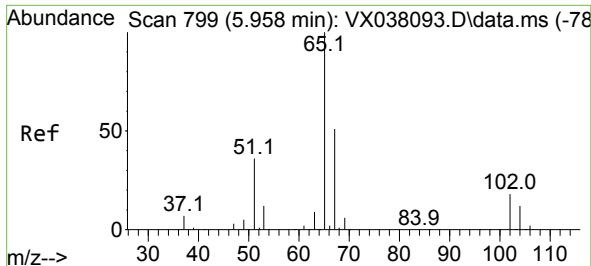
Delta R.T. 0.085 min

Lab File: VX038339.D

Acq: 17 Oct 2023 19:00

Tgt Ion:	56	Resp:	3037
Ion	Ratio	Lower	Upper
56	100		
69	148.9	23.4	35.2#
84	116.8	65.9	98.9#

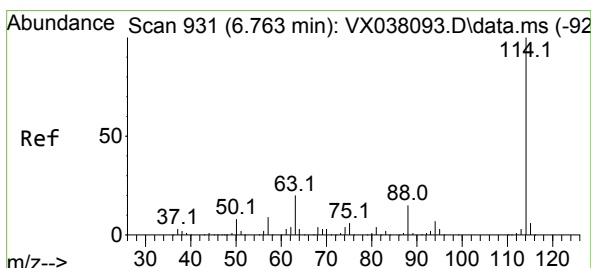
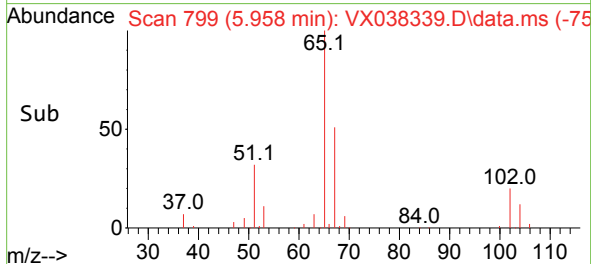
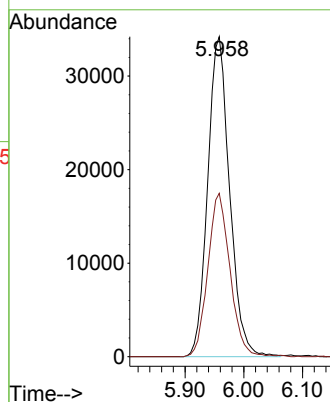
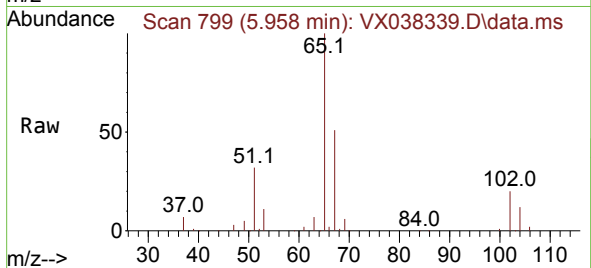




#33
1,2-Dichloroethane-d4
Concen: 45.404 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

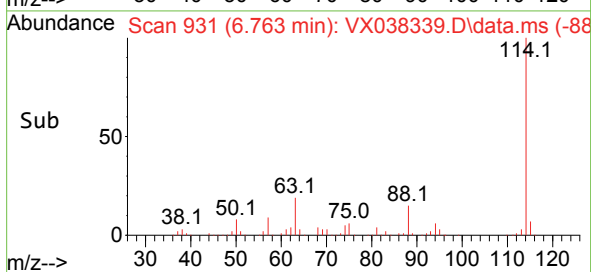
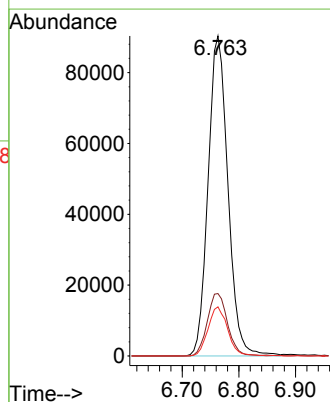
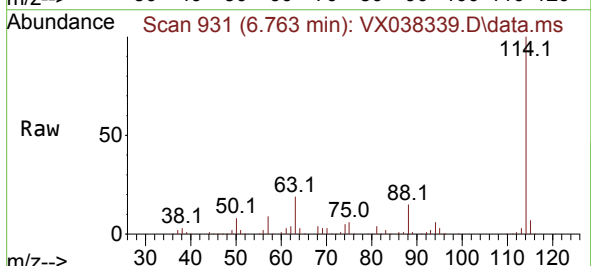
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MSVOA_X
ClientSampleId :

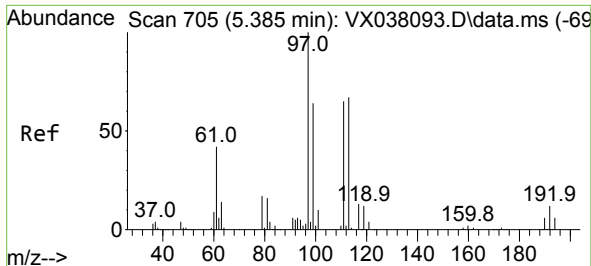
Tgt Ion: 65 Resp: 88560
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

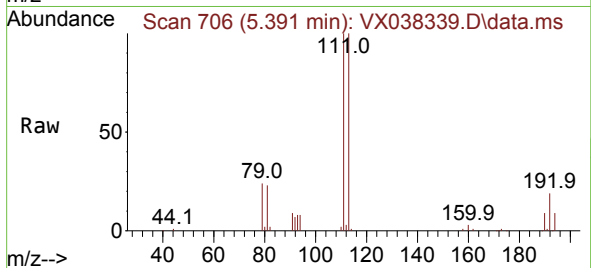
Tgt Ion: 114 Resp: 219366
Ion Ratio Lower Upper
114 100
63 19.5 0.0 45.0
88 15.4 0.0 36.6



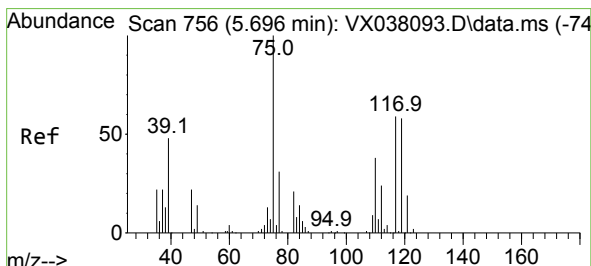
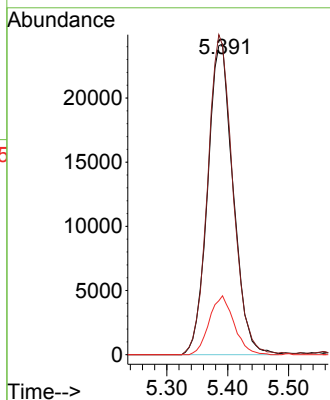
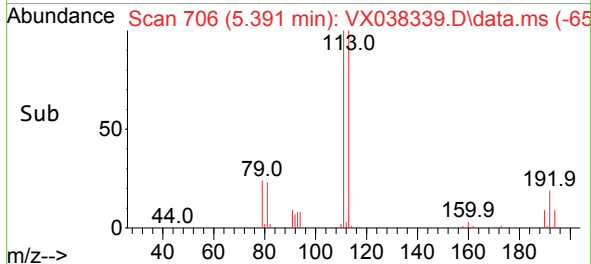


#35
Dibromofluoromethane
Concen: 44.547 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

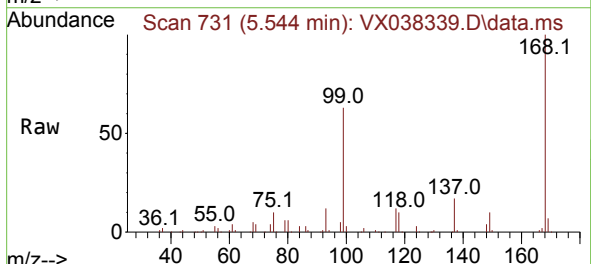
Instrument :
MSVOA_X
ClientSampleId :



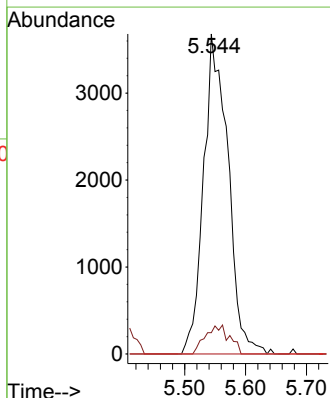
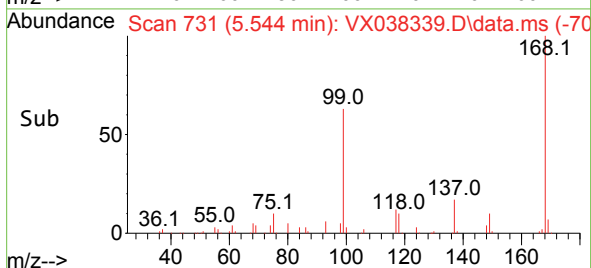
Tgt Ion:113 Resp: 70414
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.4 13.3 19.9

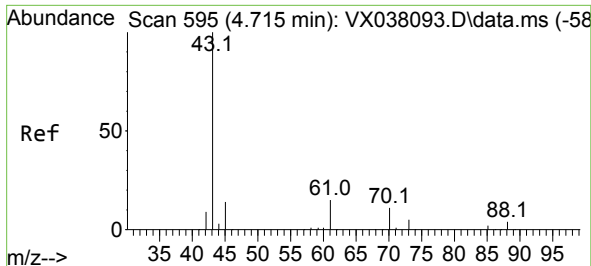


#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00



Tgt Ion: 75 Resp: 10279
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.121 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.018 min

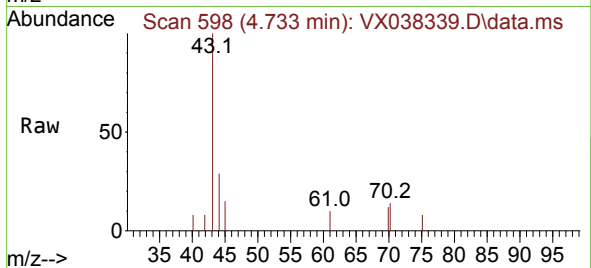
Lab File: VX038339.D

Acq: 17 Oct 2023 19:00

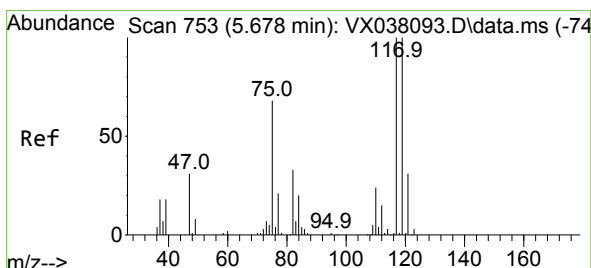
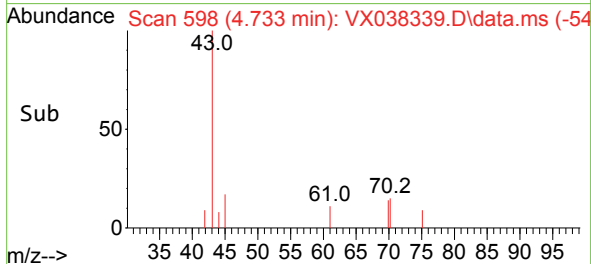
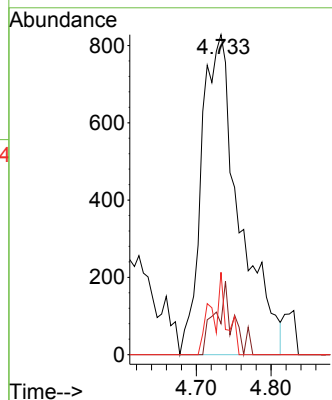
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2901
Ion Ratio	Lower Upper
43	100
61	10.9 10.6 16.0
70	5.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.015 ug/l

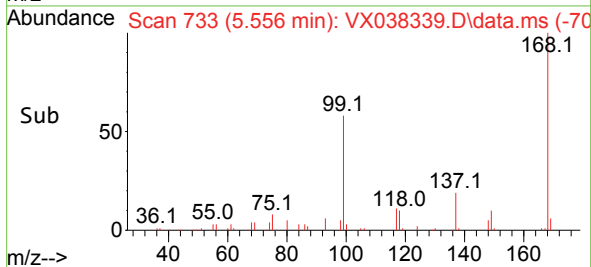
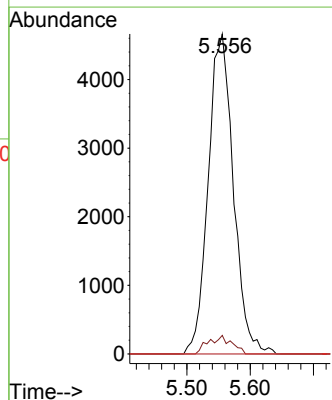
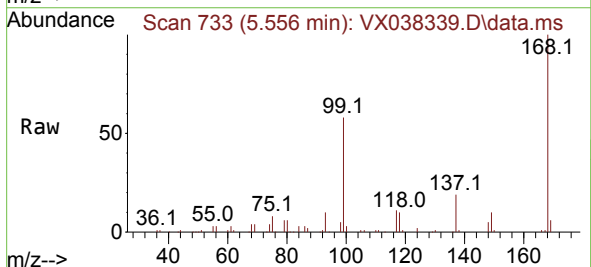
RT: 5.556 min Scan# 733

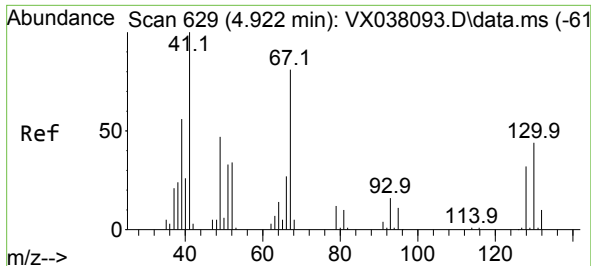
Delta R.T. -0.122 min

Lab File: VX038339.D

Acq: 17 Oct 2023 19:00

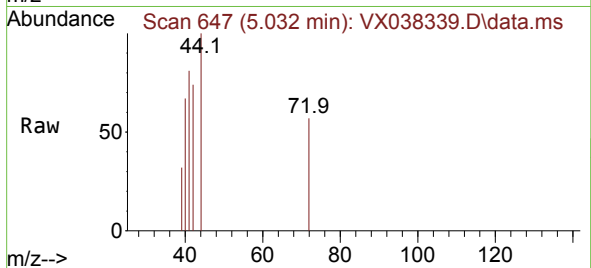
Tgt Ion: 117	Resp: 12898
Ion Ratio	Lower Upper
117	100
119	5.8 78.2 117.2#
121	0.0 24.4 36.6#



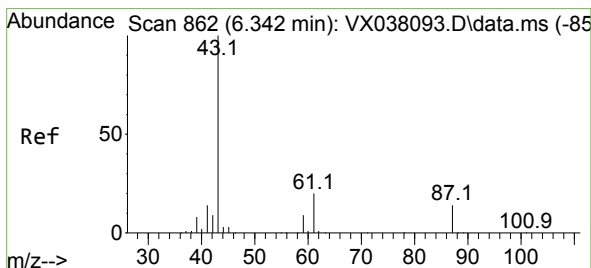
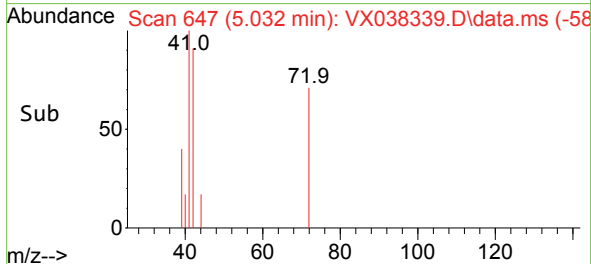
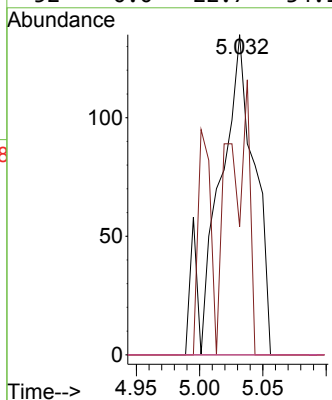


#41
Methacrylonitrile
Concen: 0.207 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

Instrument :
MSVOA_X
ClientSampleId :

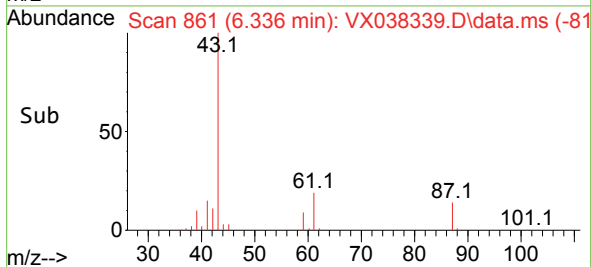
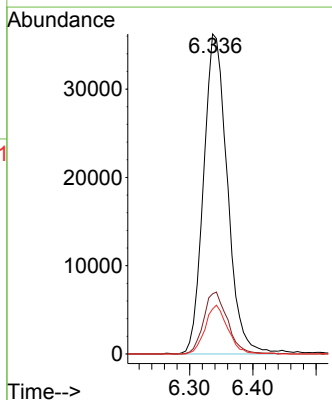
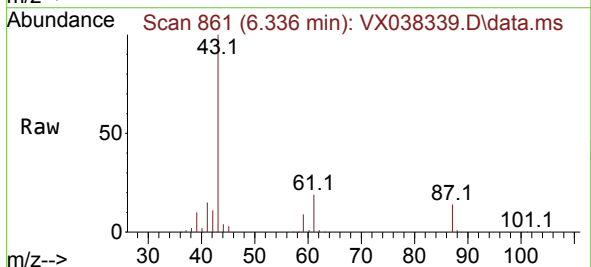


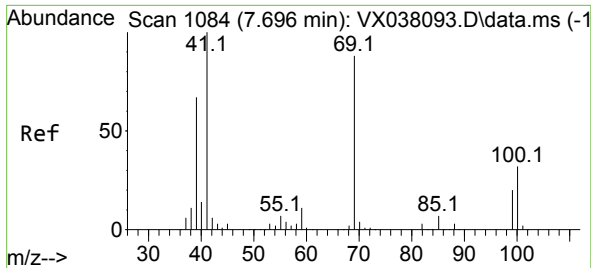
Tgt Ion:	41	Resp:	266
Ion	Ratio	Lower	Upper
41	100		
39	47.7	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 24.540 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

Tgt Ion:	43	Resp:	94835
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.2	22.8
87	14.3	9.8	14.6

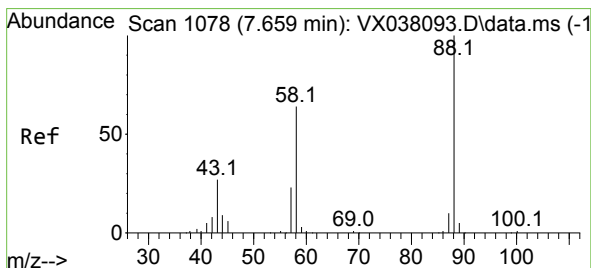
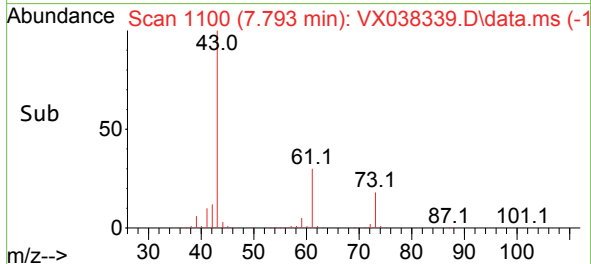
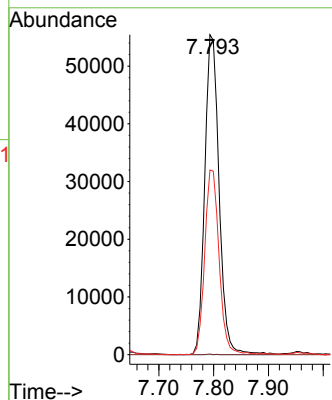
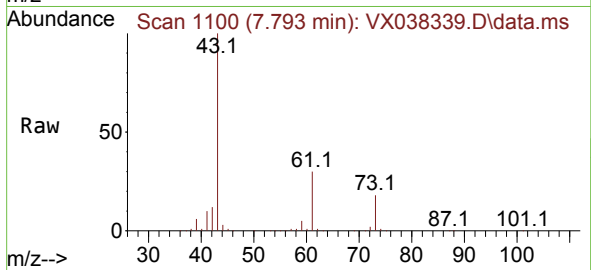




#48
Methyl methacrylate
Concen: 54.438 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

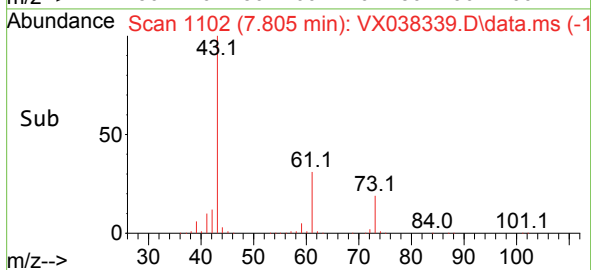
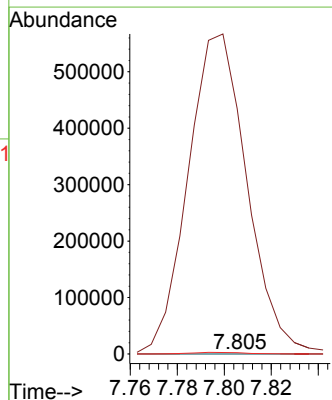
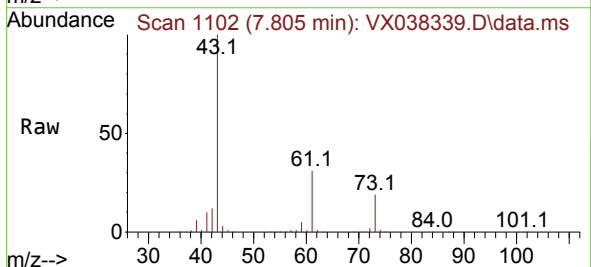
Instrument :
MSVOA_X
ClientSampleId :

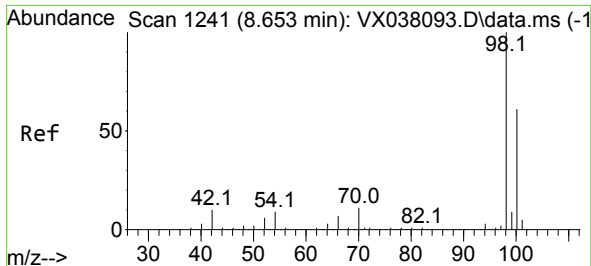
Tgt Ion: 41 Resp: 100430
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 58.0 47.7 71.5



#49
1,4-Dioxane
Concen: 2.596 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 850228.8 0.0 0.0#
58 4116.9 60.1 90.1#

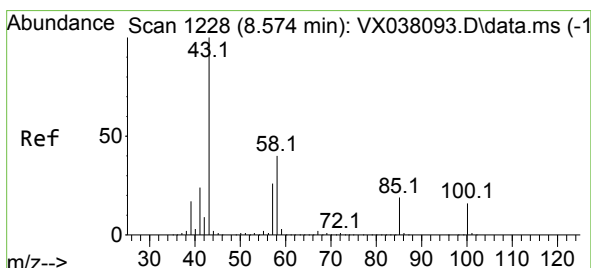
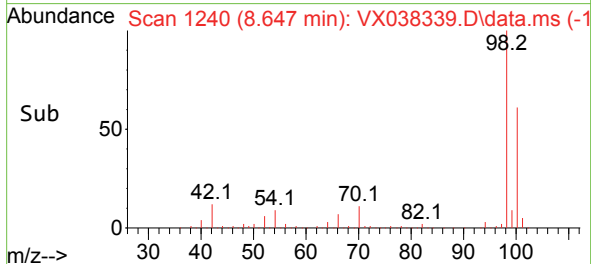
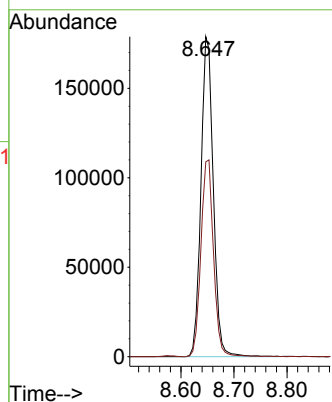
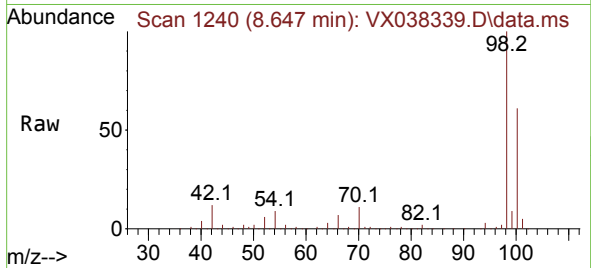




#50
Toluene-d8
Concen: 47.877 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

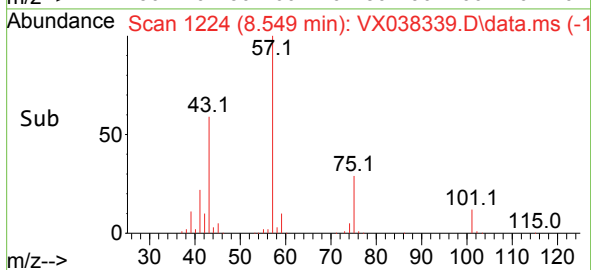
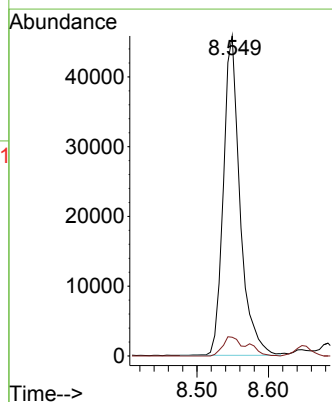
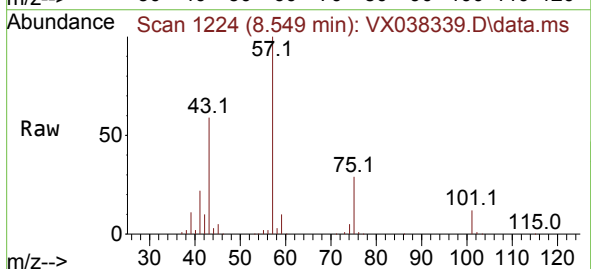
Instrument :
MSVOA_X
ClientSampleId :

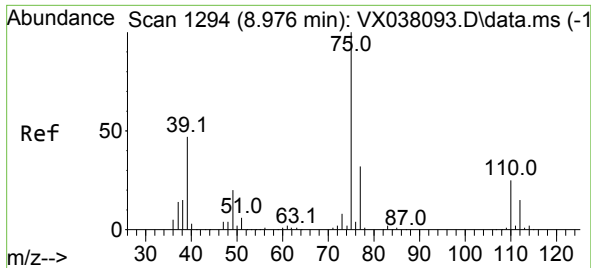
Tgt Ion: 98 Resp: 289186
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 27.806 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

Tgt Ion: 43 Resp: 74119
Ion Ratio Lower Upper
43 100
58 8.7 30.4 45.6#

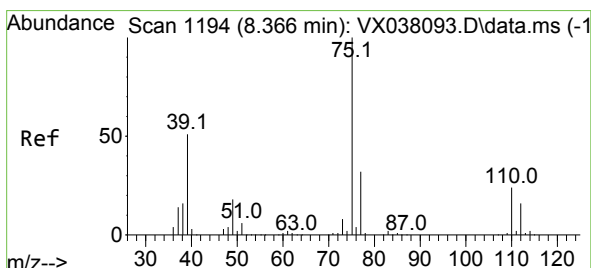
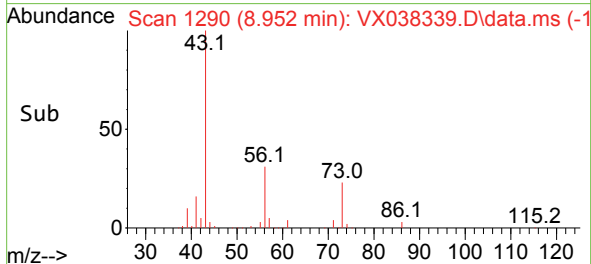
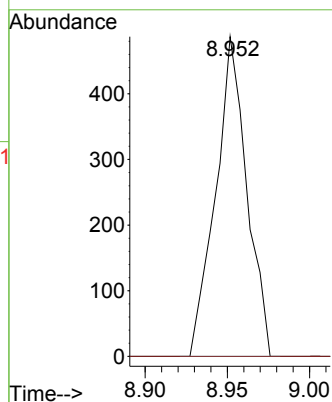
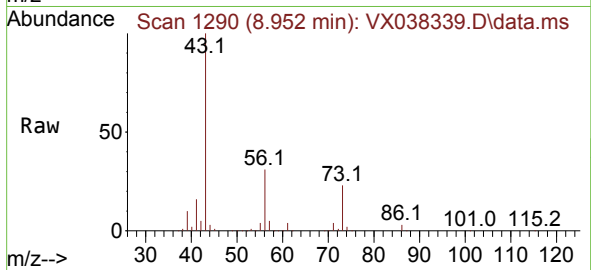




#53
 t-1,3-Dichloropropene
 Concen: 0.275 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX038339.D
 Acq: 17 Oct 2023 19:00

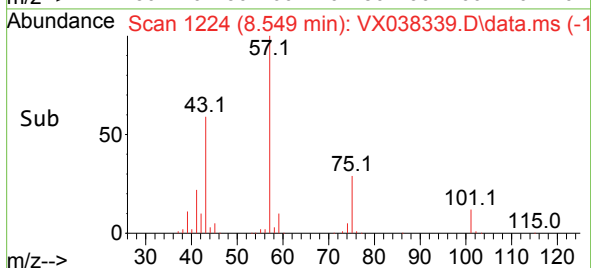
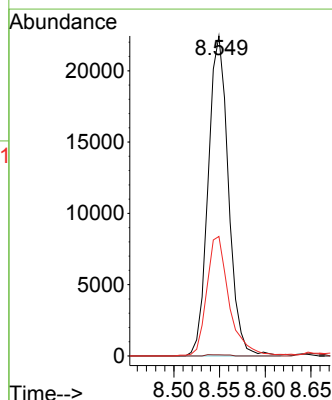
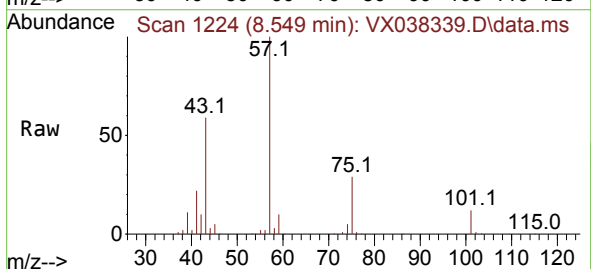
Instrument :
 MSVOA_X
 ClientSampleId :

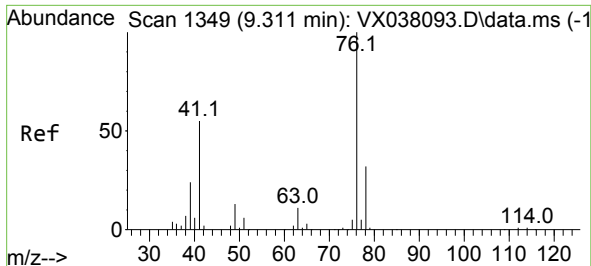
Tgt Ion: 75 Resp: 643
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.085 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX038339.D
 Acq: 17 Oct 2023 19:00

Tgt Ion: 75 Resp: 34581
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 37.1 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.860 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038339.D

Acq: 17 Oct 2023 19:00

Instrument :

MSVOA_X

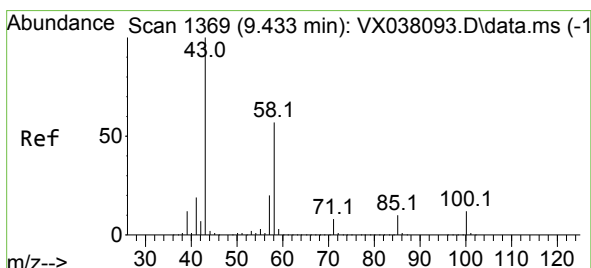
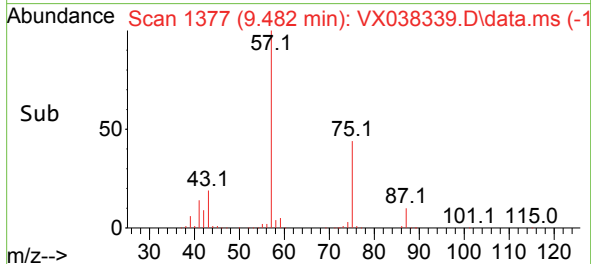
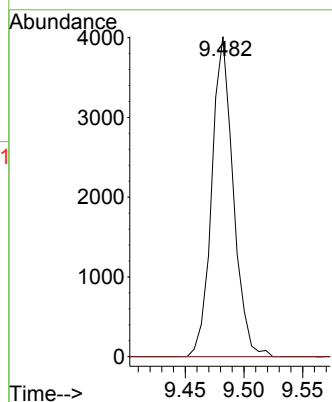
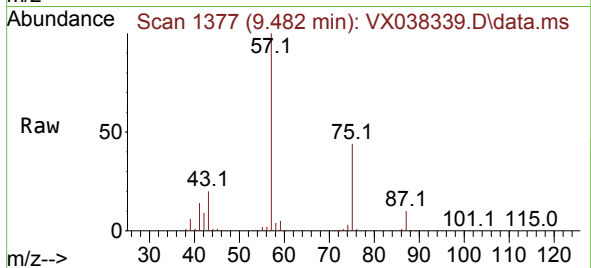
ClientSampleId :

Tgt Ion: 76 Resp: 5109

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 31.164 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038339.D

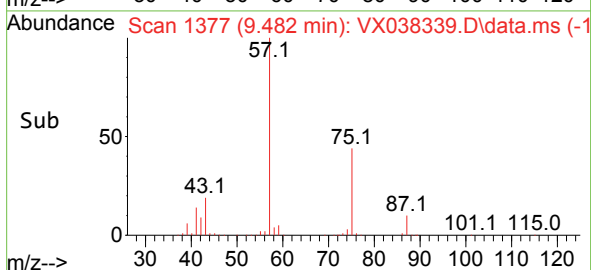
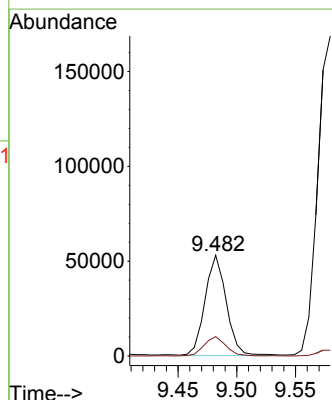
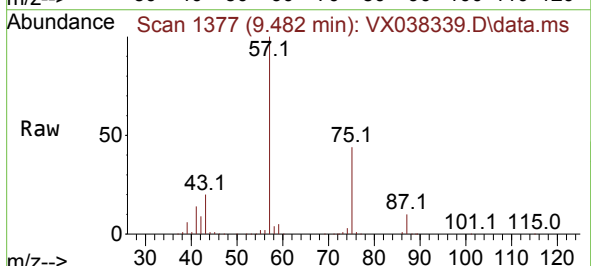
Acq: 17 Oct 2023 19:00

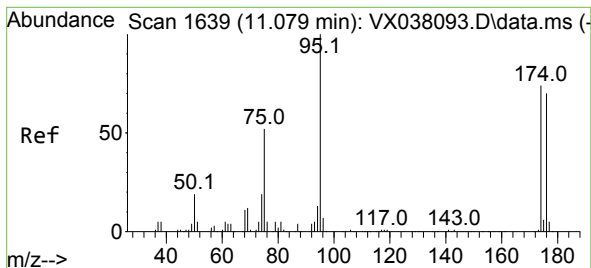
Tgt Ion: 43 Resp: 66783

Ion Ratio Lower Upper

43 100

58 19.8 26.2 78.5#

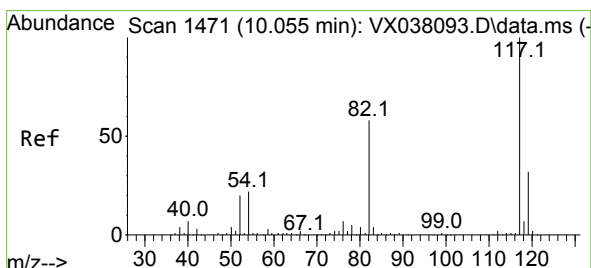
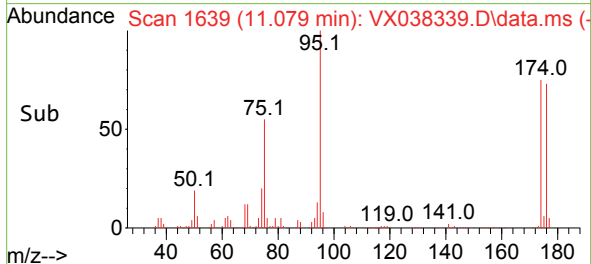
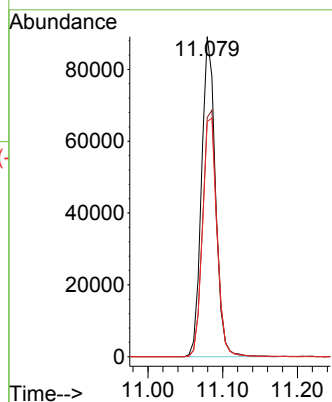
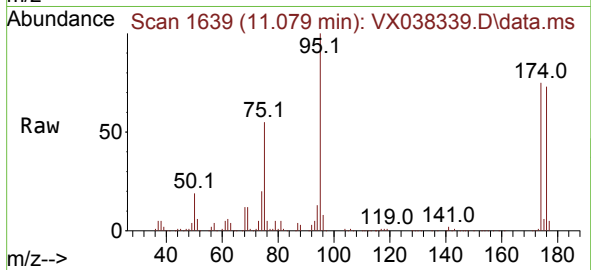




#62
4-Bromofluorobenzene
Concen: 50.169 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

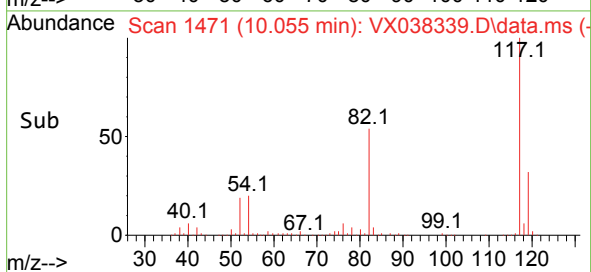
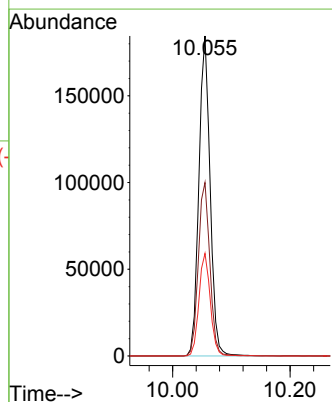
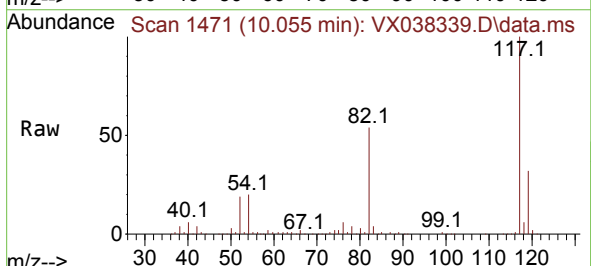
Instrument :
MSVOA_X
ClientSampleId :

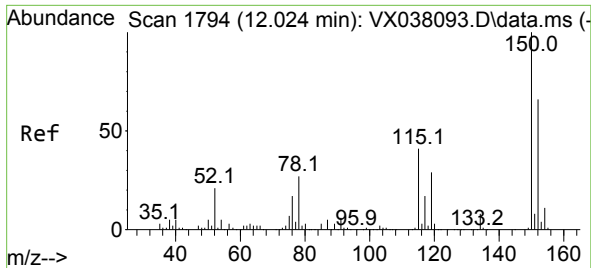
Tgt Ion: 95 Resp: 114880
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 77.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038339.D
Acq: 17 Oct 2023 19:00

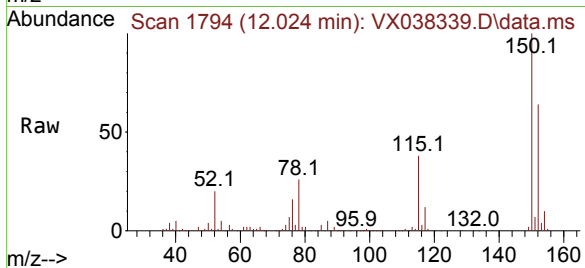
Tgt Ion: 117 Resp: 244846
Ion Ratio Lower Upper
117 100
82 54.2 46.2 69.4
119 32.1 25.5 38.3



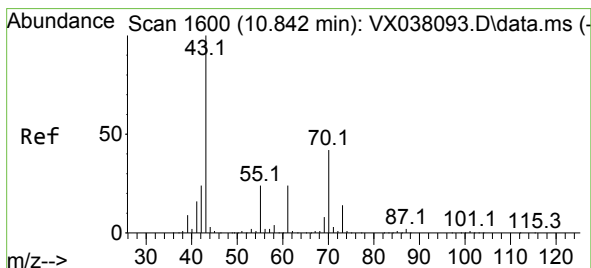
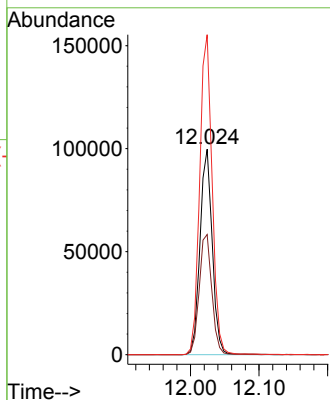
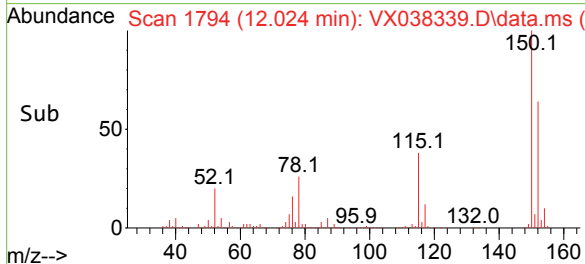


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX038339.D
 Acq: 17 Oct 2023 19:00

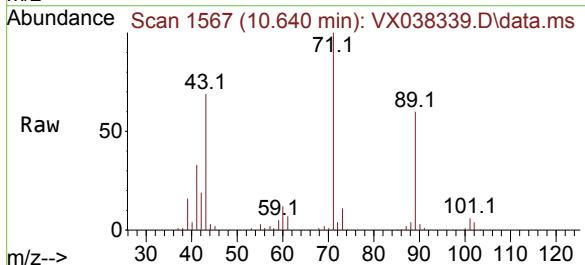
Instrument :
 MSVOA_X
 ClientSampleId :



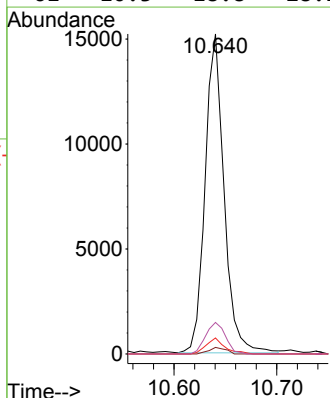
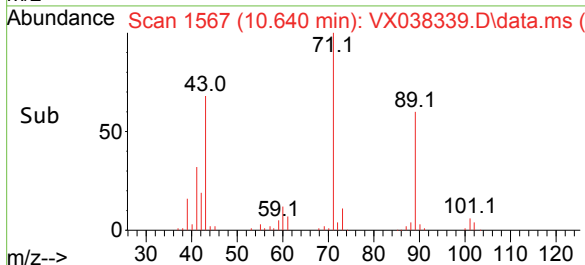
Tgt Ion:152 Resp: 124319
 Ion Ratio Lower Upper
 152 100
 115 60.3 43.3 129.9
 150 157.7 0.0 345.0

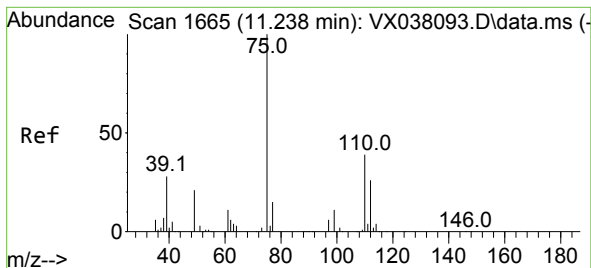


#74
 N-ethyl acetate
 Concen: 5.469 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.202 min
 Lab File: VX038339.D
 Acq: 17 Oct 2023 19:00



Tgt Ion: 43 Resp: 19470
 Ion Ratio Lower Upper
 43 100
 70 1.8 32.9 49.3#
 55 4.9 19.3 28.9#
 61 10.3 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.035 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038339.D

Acq: 17 Oct 2023 19:00

Instrument :

MSVOA_X

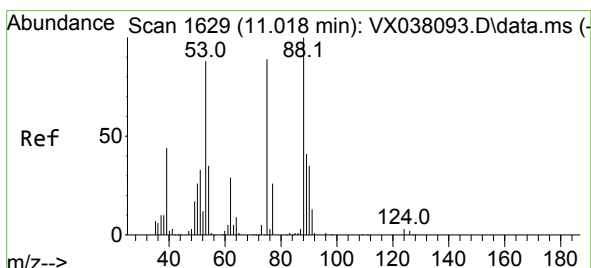
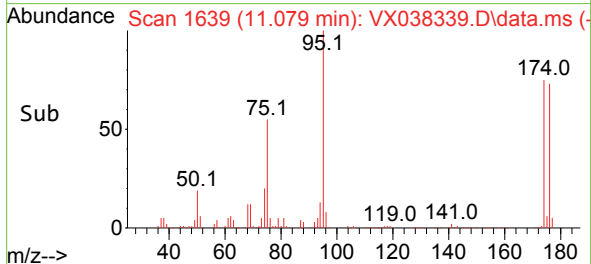
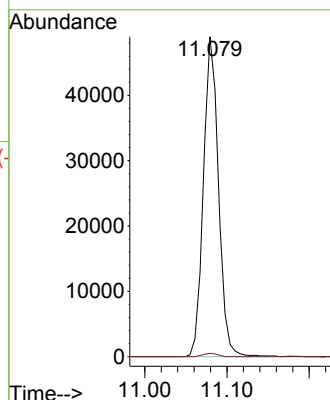
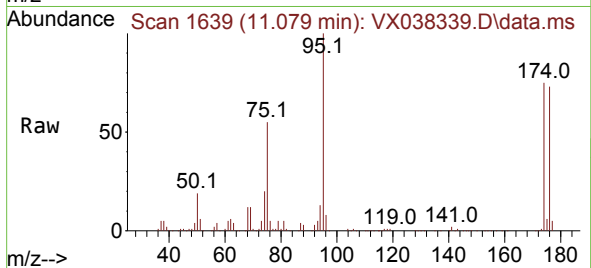
ClientSampleId :

Tgt Ion: 75 Resp: 62275

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.183 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038339.D

Acq: 17 Oct 2023 19:00

Tgt Ion: 75 Resp: 62275

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

