

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038328.D
 Acq On : 17 Oct 2023 14:45
 Operator : JC/MD
 Sample : PB156409ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 03:59:31 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

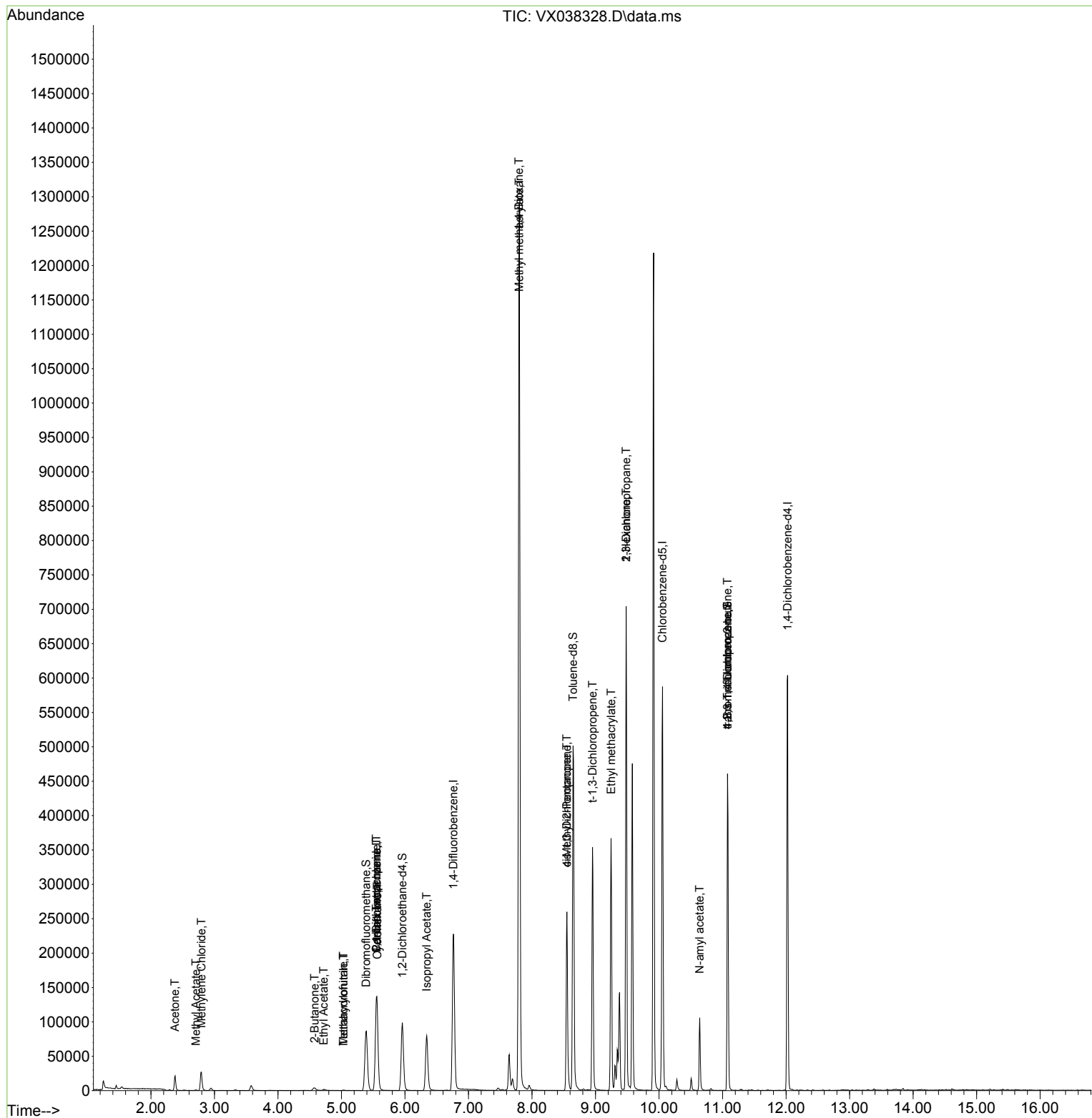
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	130403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93966	44.800	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.600%
35) Dibromofluoromethane	5.385	113	75033	44.086	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.180%
50) Toluene-d8	8.647	98	309376	47.570	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.140%
62) 4-Bromofluorobenzene	11.079	95	120749	48.974	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.940%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	27	Below Cal	#	3
6) Chloroethane	1.685	64	296	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	2098	Below Cal	#	78
16) Acetone	2.380	43	21501	24.562	ug/l	94
18) Methyl Acetate	2.709	43	1176	0.313	ug/l	# 87
20) Methylene Chloride	2.794	84	13396	8.136	ug/l	# 82
25) 2-Butanone	4.574	43	2745	1.944	ug/l	98
29) Tetrahydrofuran	5.032	42	484	0.526	ug/l	# 56
31) Cyclohexane	5.562	56	3027	1.332	ug/l	# 31
36) 1,1-Dichloropropene	5.550	75	10861	4.628	ug/l	# 51
37) Ethyl Acetate	4.721	43	3079	1.105	ug/l	# 86
38) Carbon Tetrachloride	5.550	117	13914	6.026	ug/l	# 16
41) Methacrylonitrile	5.032	41	352	0.254	ug/l	# 46
43) Isopropyl Acetate	6.342	43	107022	25.720	ug/l	# 96
48) Methyl methacrylate	7.799	41	111523	56.142	ug/l	# 49
49) 1,4-Dioxane	7.793	88	206	4.208	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	87191	30.379	ug/l	# 52
53) t-1,3-Dichloropropene	8.952	75	778	0.309	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	41940	15.865	ug/l	# 59
56) Ethyl methacrylate	9.244	69	895	0.319	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5992	2.026	ug/l	# 42
59) 2-Hexanone	9.482	43	75977	32.928	ug/l	# 54
74) N-amyl acetate	10.640	43	23344	6.363	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	63946	21.957	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	63946	62.974	ug/l	# 5

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

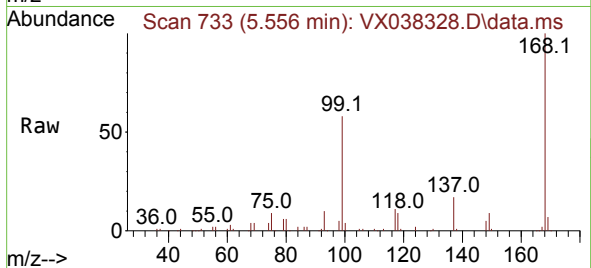
Quant Time: Oct 18 03:59:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
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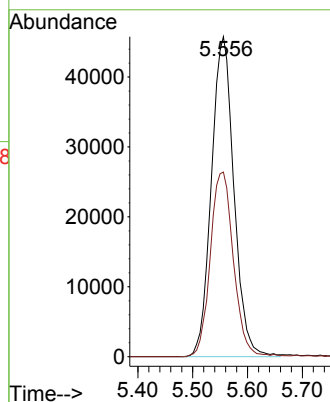
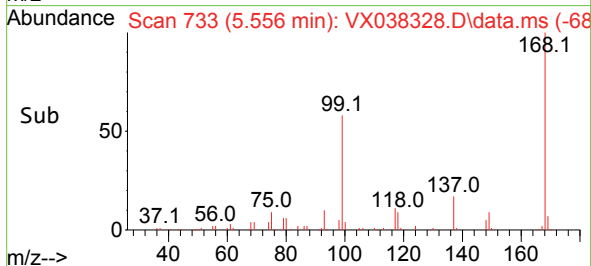


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

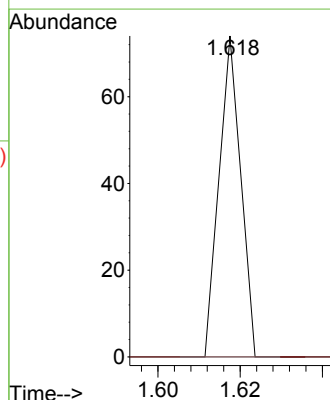
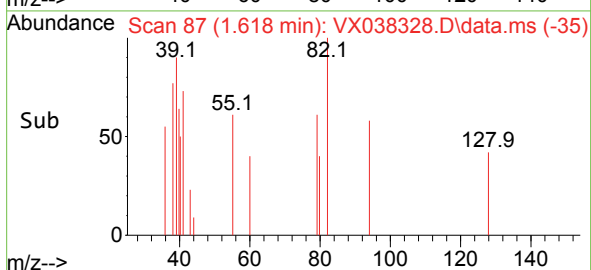
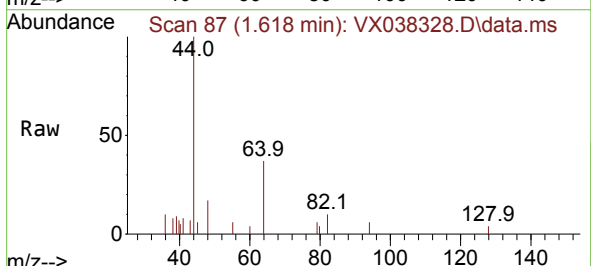


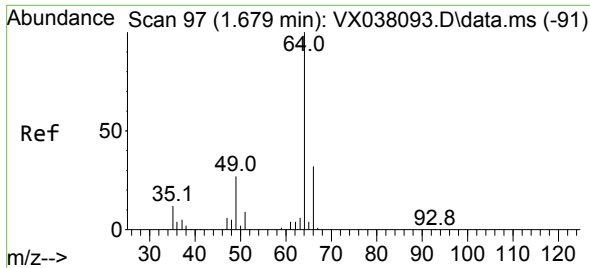
Tgt Ion:168 Resp: 130403
Ion Ratio Lower Upper
168 100
99 57.7 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Tgt Ion: 94 Resp: 27
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

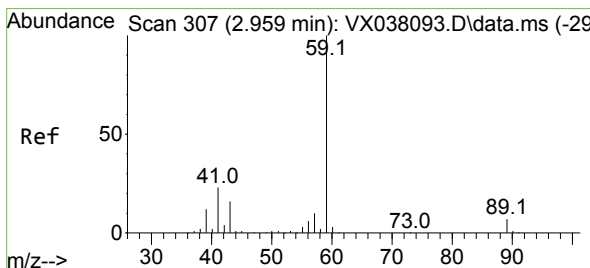
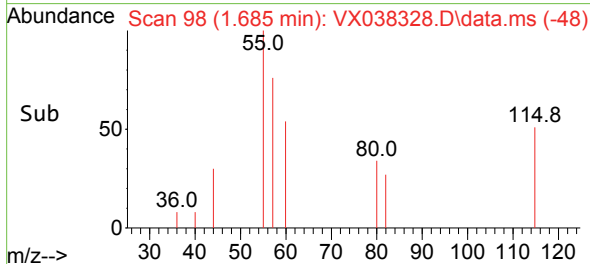
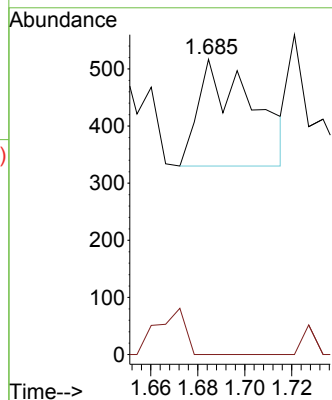
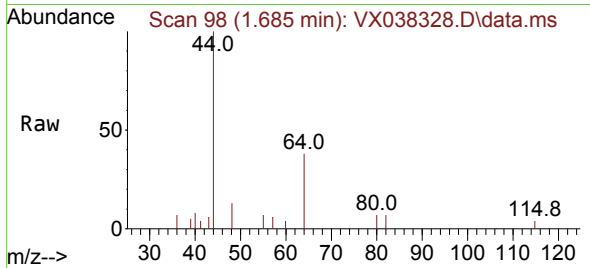




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

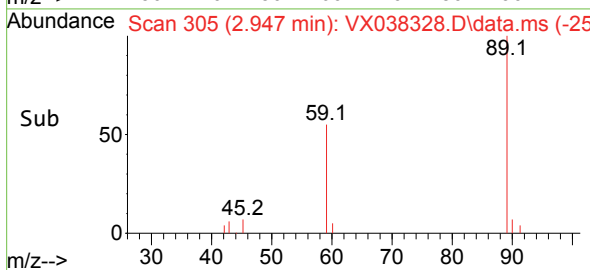
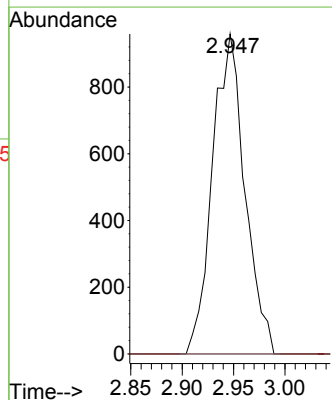
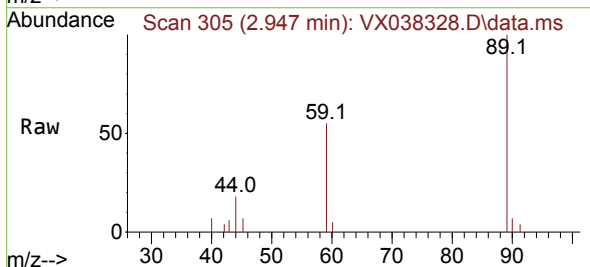
Instrument :
MSVOA_X
ClientSampleId :

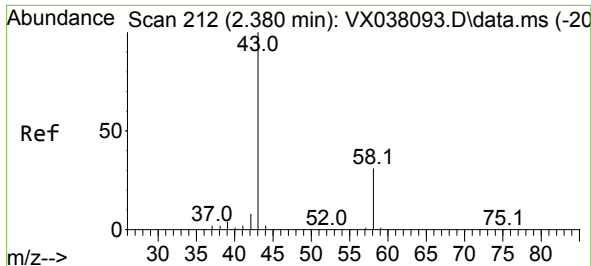
Tgt Ion: 64 Resp: 296
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Tgt Ion: 59 Resp: 2098
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

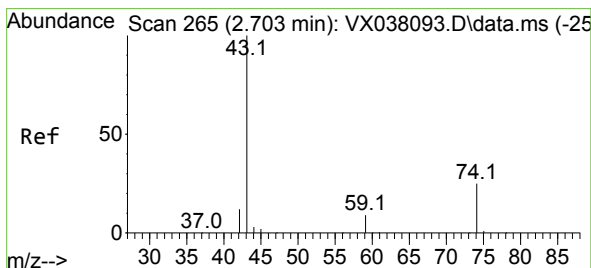
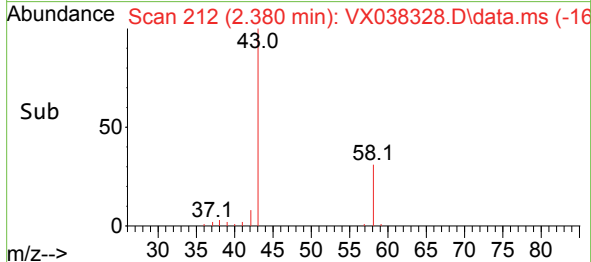
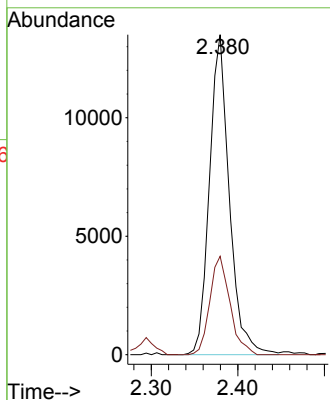
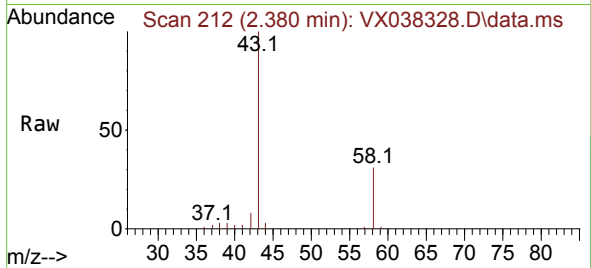




#16
Acetone
Concen: 24.562 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

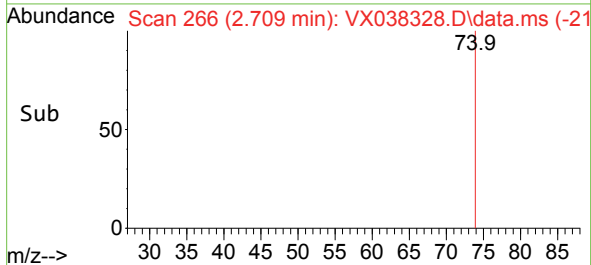
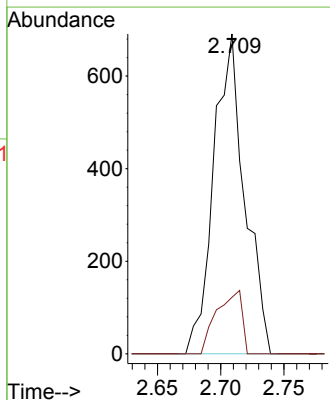
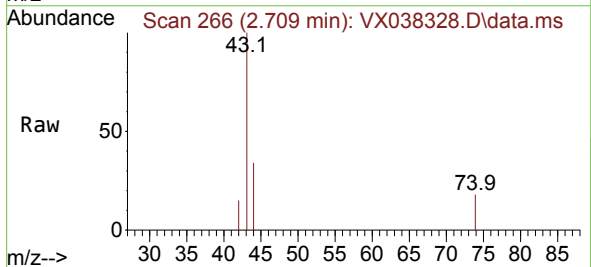
Instrument :
MSVOA_X
ClientSampleId :

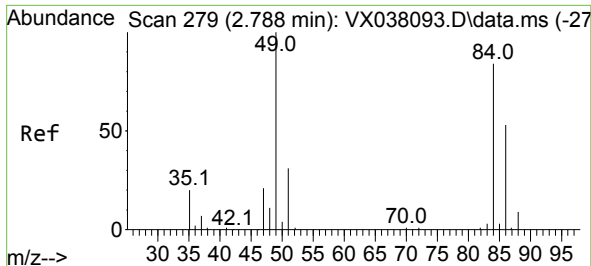
Tgt Ion: 43 Resp: 21501
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

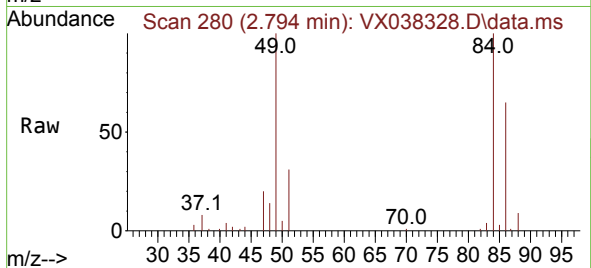
Tgt Ion: 43 Resp: 1176
Ion Ratio Lower Upper
43 100
74 16.2 17.8 26.8#



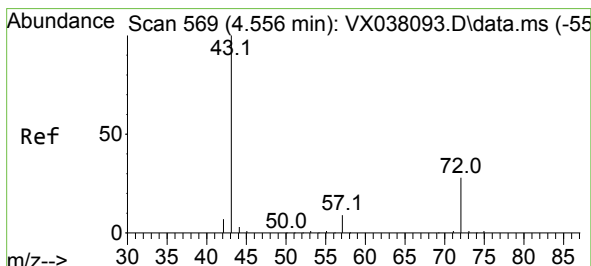
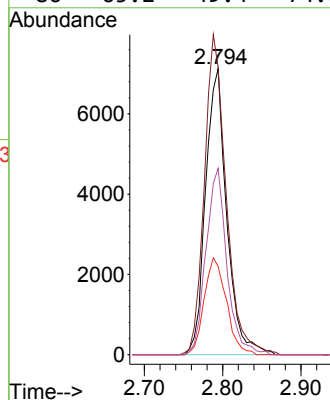
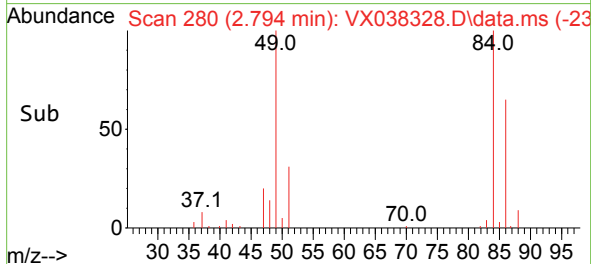


#20
Methylene Chloride
Concen: 8.136 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

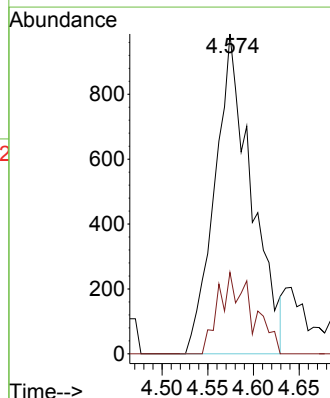
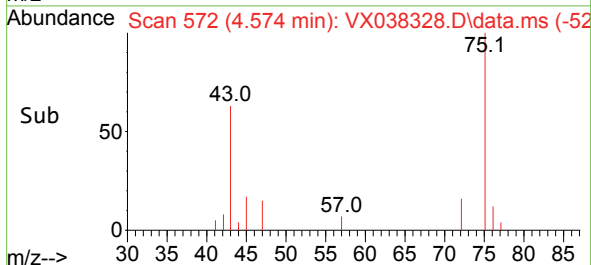
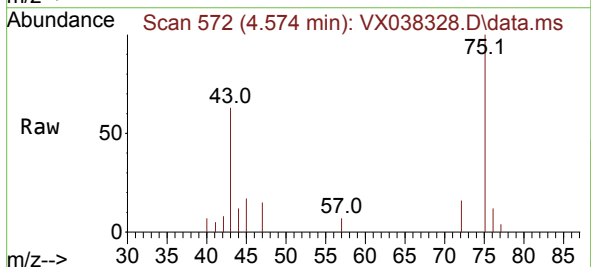


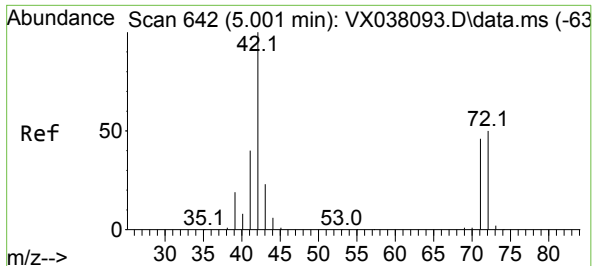
Tgt Ion: 84 Resp: 13396
Ion Ratio Lower Upper
84 100
49 100.5 103.6 155.4#
51 30.9 33.8 50.6#
86 65.2 49.4 74.0



#25
2-Butanone
Concen: 1.944 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Tgt Ion: 43 Resp: 2745
Ion Ratio Lower Upper
43 100
72 25.5 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.526 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.031 min

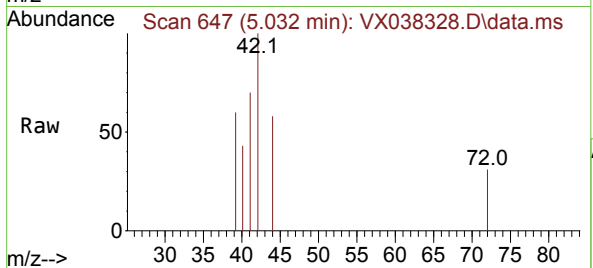
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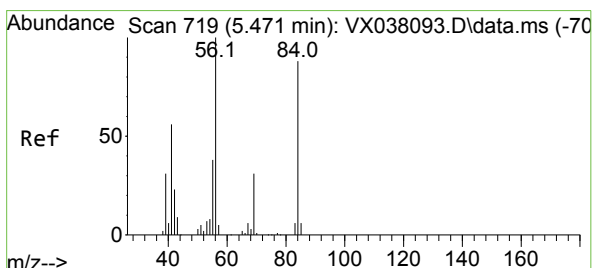
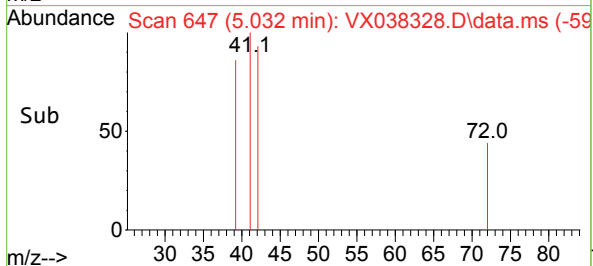
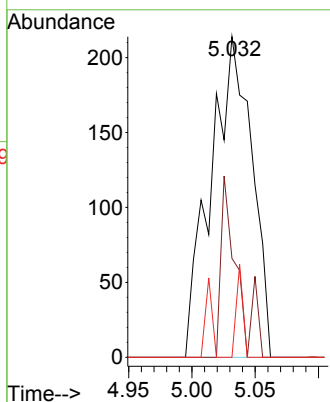
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	484
Ion	Ratio	Lower	Upper
42	100		
72	22.5	34.2	51.4#
71	4.8	32.2	48.2#



#31

Cyclohexane

Concen: 1.332 ug/l

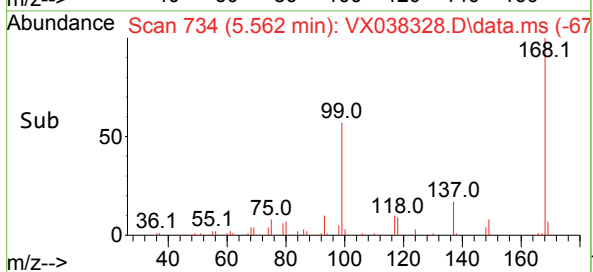
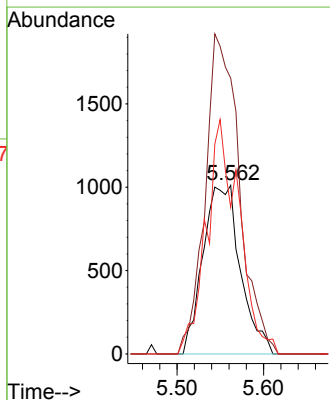
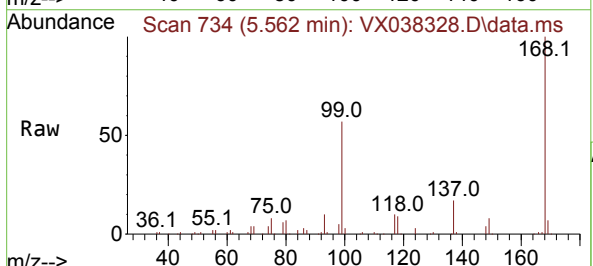
RT: 5.562 min Scan# 734

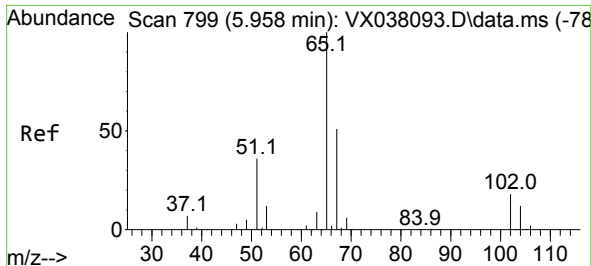
Delta R.T. 0.091 min

Lab File: VX038328.D

Acq: 17 Oct 2023 14:45

Tgt Ion:	56	Resp:	3027
Ion	Ratio	Lower	Upper
56	100		
69	163.5	23.4	35.2#
84	87.0	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 44.800 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038328.D

Acq: 17 Oct 2023 14:45

Instrument :

MSVOA_X

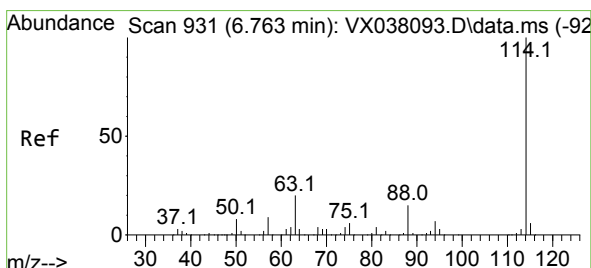
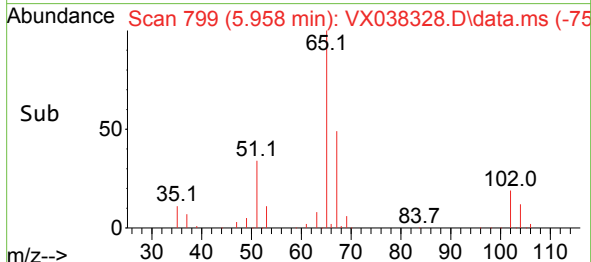
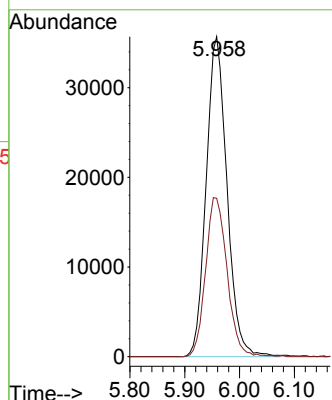
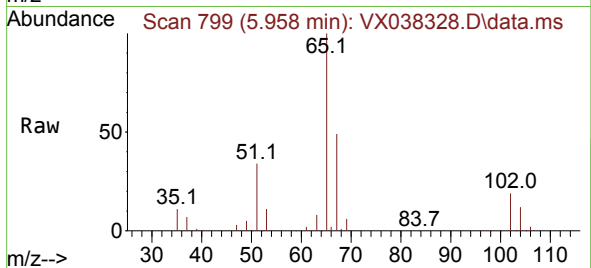
ClientSampleId :

Tgt Ion: 65 Resp: 93966

Ion Ratio Lower Upper

65 100

67 51.5 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: VX038328.D

Acq: 17 Oct 2023 14:45

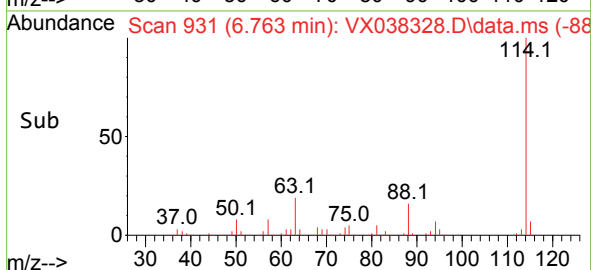
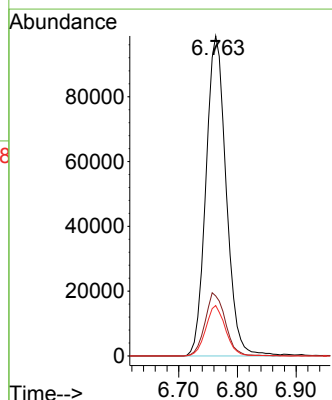
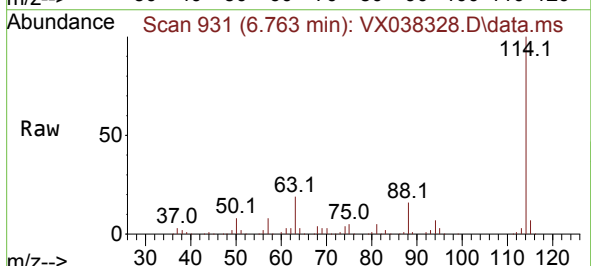
Tgt Ion: 114 Resp: 236199

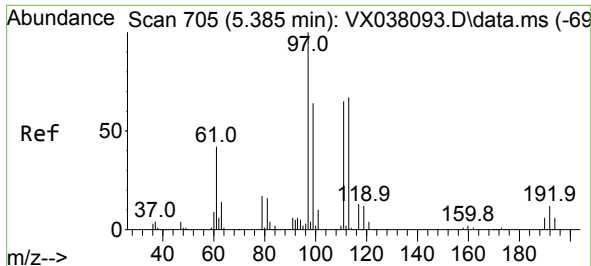
Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

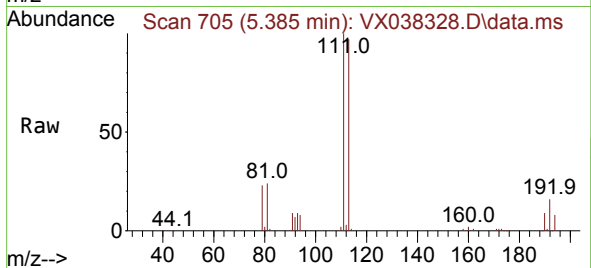
88 15.8 0.0 36.6



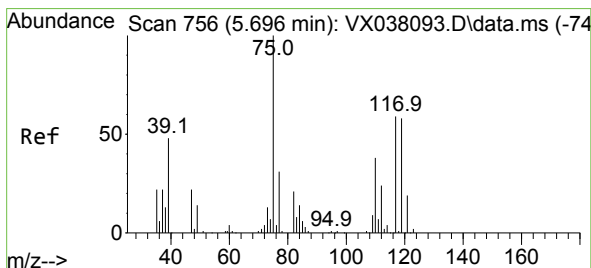
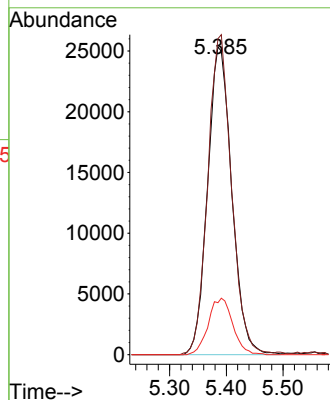
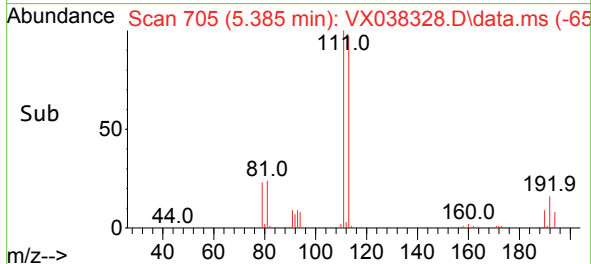


#35
Dibromofluoromethane
Concen: 44.086 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

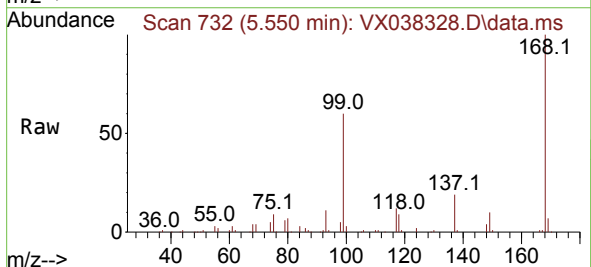
Instrument :
MSVOA_X
ClientSampleId :



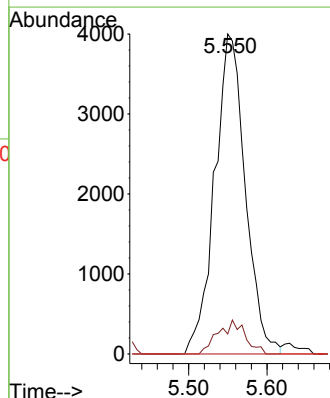
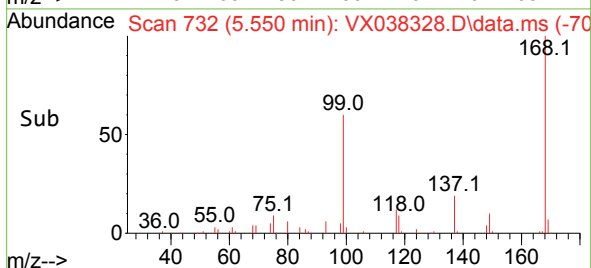
Tgt Ion:113 Resp: 75033
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.5 13.3 19.9

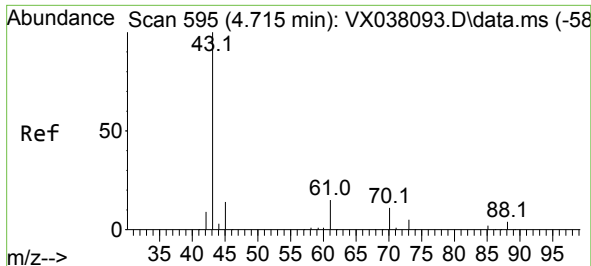


#36
1,1-Dichloropropene
Concen: 4.628 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45



Tgt Ion: 75 Resp: 10861
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.105 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

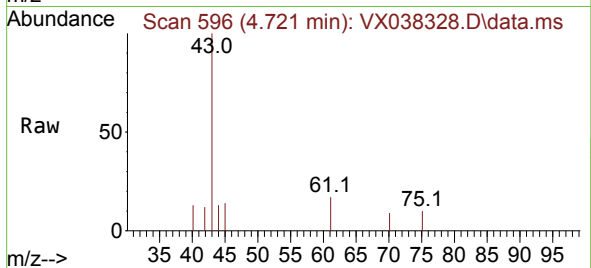
Lab File: VX038328.D

Acq: 17 Oct 2023 14:45

Instrument :

MSVOA_X

ClientSampleId :



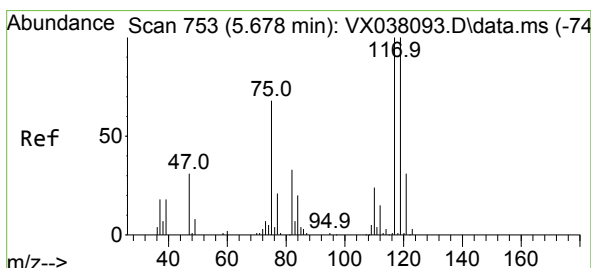
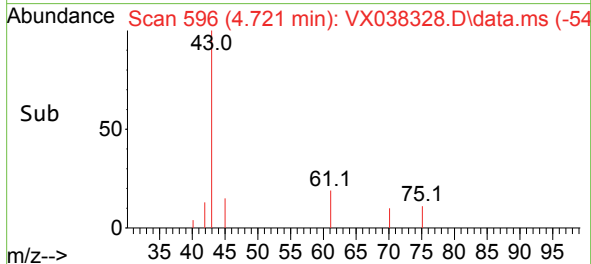
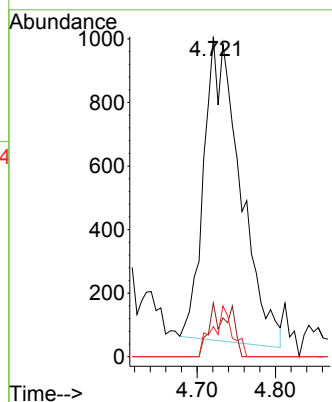
Tgt Ion: 43 Resp: 3079

Ion Ratio Lower Upper

43 100

61 4.6 10.6 16.0#

70 9.1 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.026 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX038328.D

Acq: 17 Oct 2023 14:45

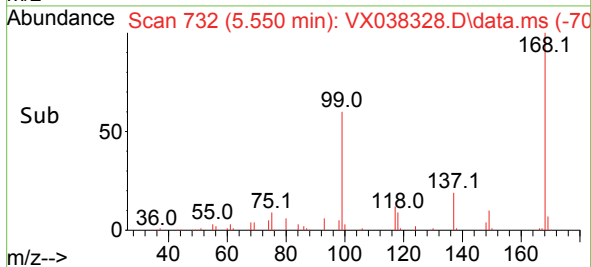
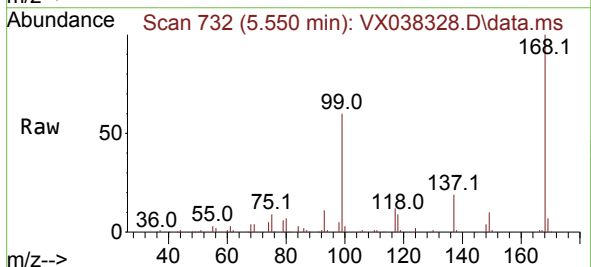
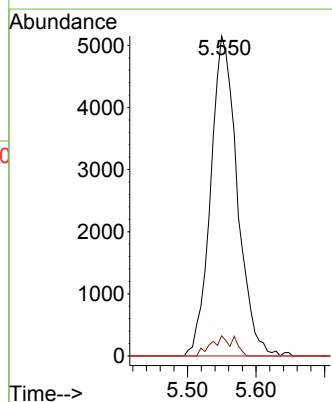
Tgt Ion: 117 Resp: 13914

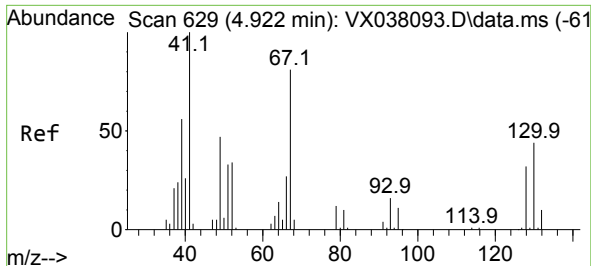
Ion Ratio Lower Upper

117 100

119 6.3 78.2 117.2#

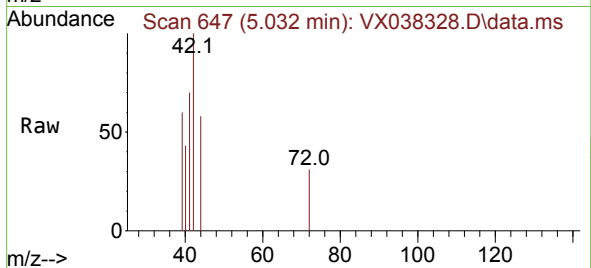
121 0.0 24.4 36.6#



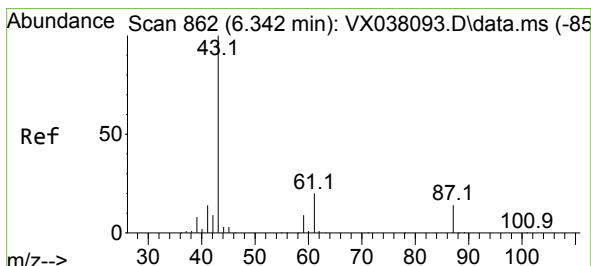
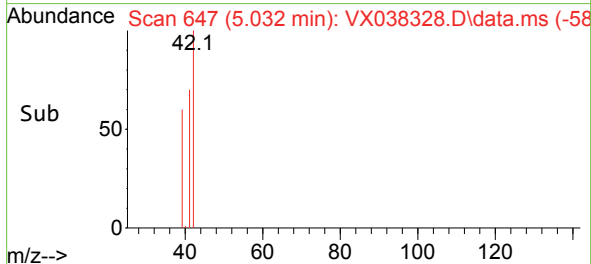
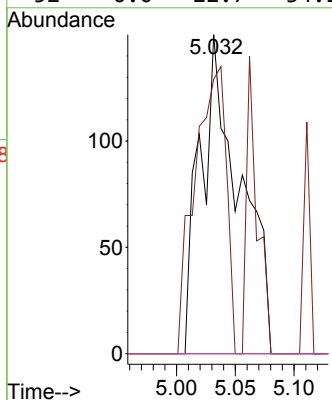


#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

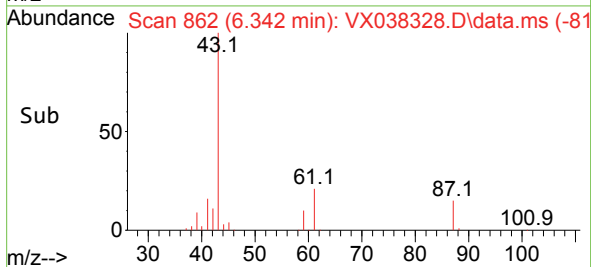
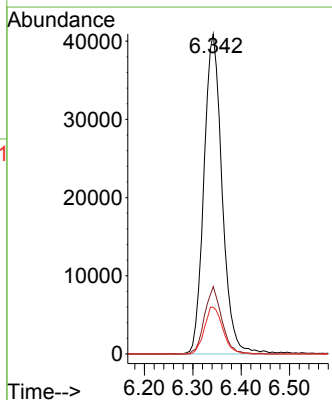
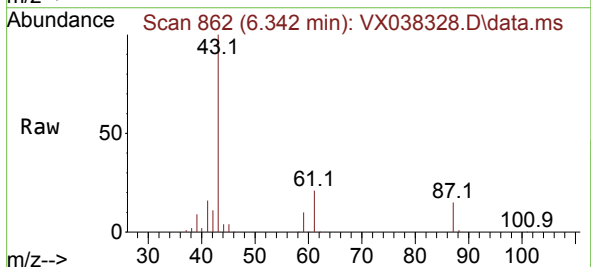


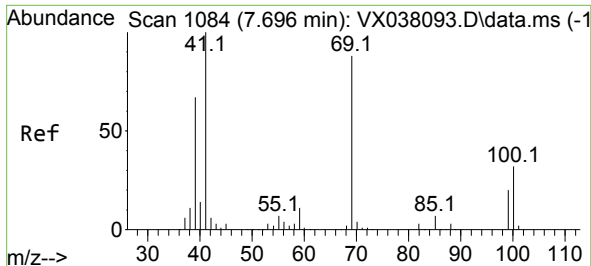
Tgt Ion: 41 Resp: 352
Ion Ratio Lower Upper
41 100
39 71.6 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 25.720 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Tgt Ion: 43 Resp: 107022
Ion Ratio Lower Upper
43 100
61 19.9 15.2 22.8
87 14.8 9.8 14.6#





#48

Methyl methacrylate

Concen: 56.142 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX038328.D

Acq: 17 Oct 2023 14:45

Instrument :

MSVOA_X

ClientSampleId :

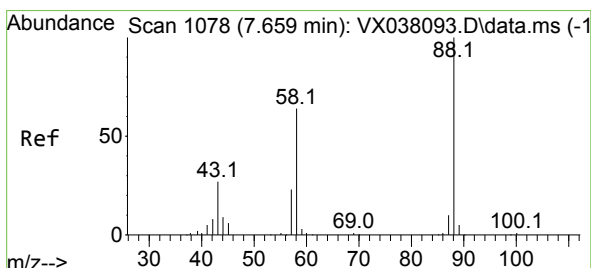
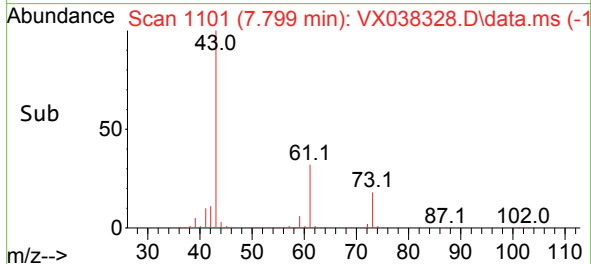
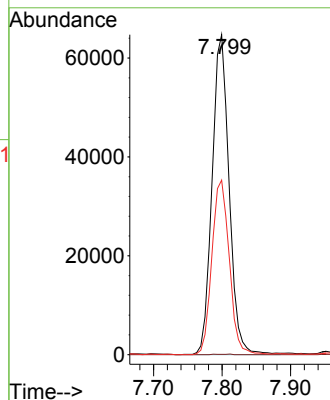
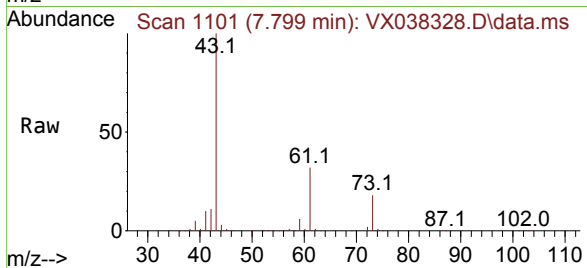
Tgt Ion: 41 Resp: 111523

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 55.9 47.7 71.5



#49

1,4-Dioxane

Concen: 4.208 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX038328.D

Acq: 17 Oct 2023 14:45

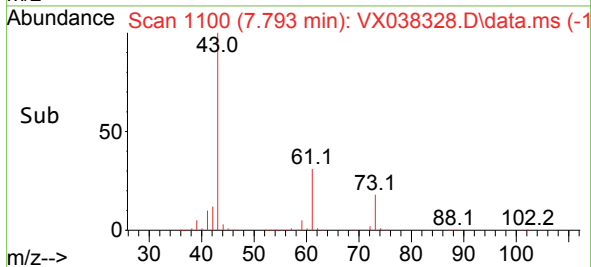
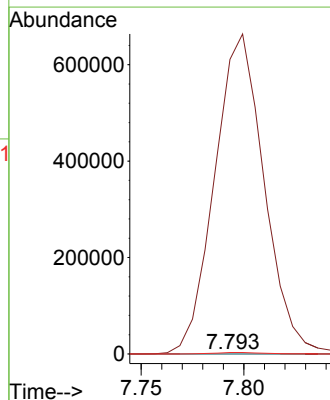
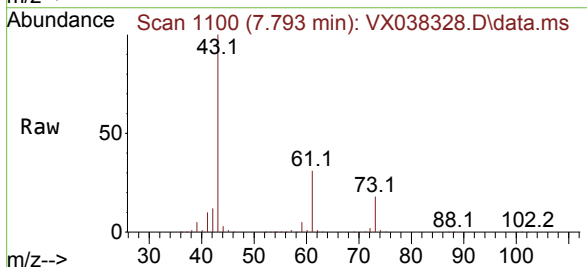
Tgt Ion: 88 Resp: 206

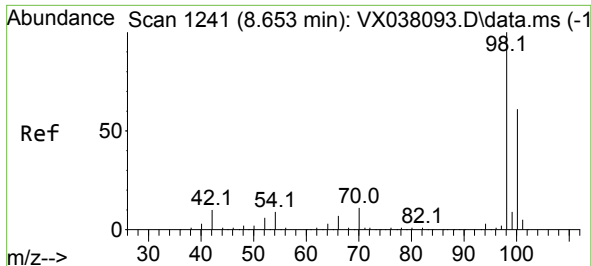
Ion Ratio Lower Upper

88 100

43 547431.6 0.0 0.0#

58 2414.6 60.1 90.1#

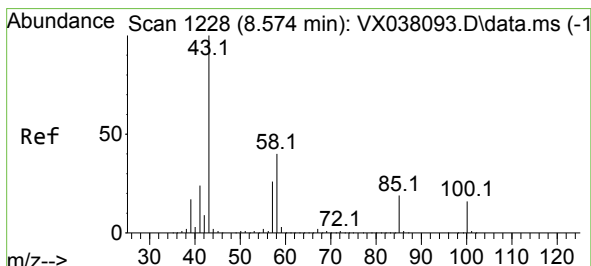
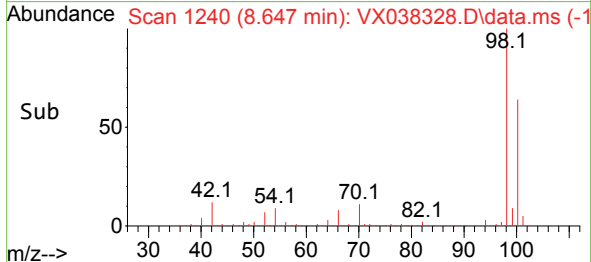
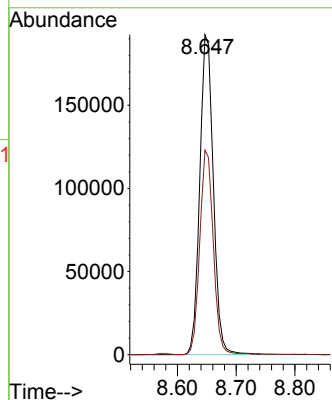
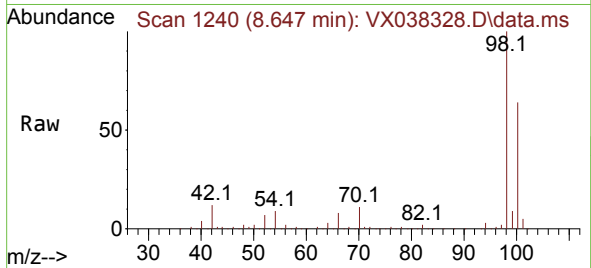




#50
Toluene-d8
Concen: 47.570 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

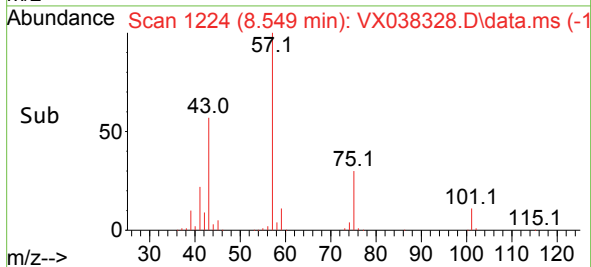
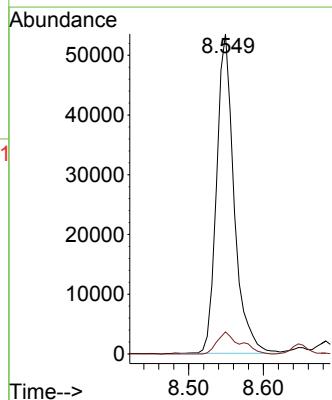
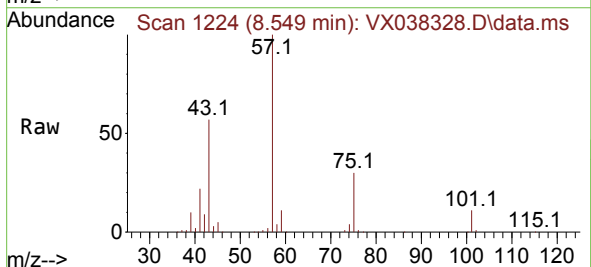
Instrument :
MSVOA_X
ClientSampleId :

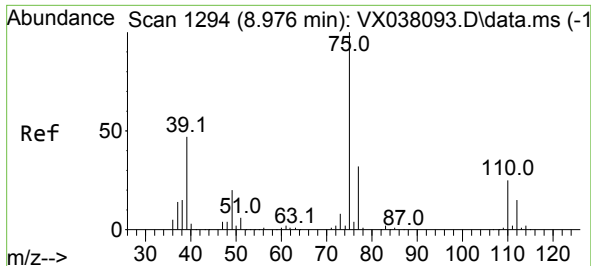
Tgt Ion: 98 Resp: 309376
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 30.379 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Tgt Ion: 43 Resp: 87191
Ion Ratio Lower Upper
43 100
58 9.1 30.4 45.6#

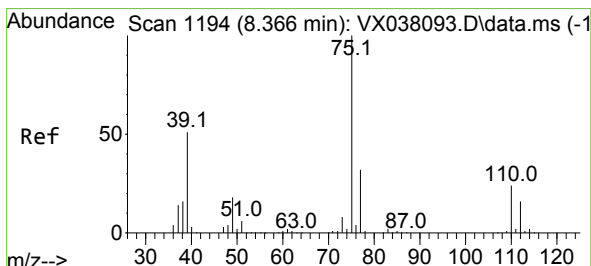
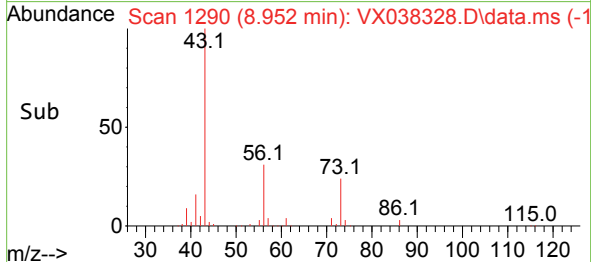
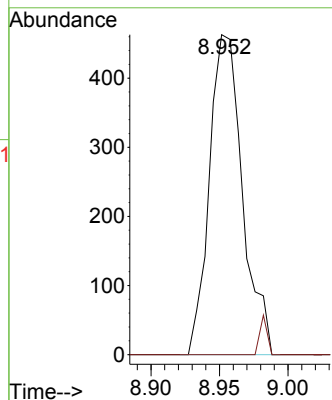
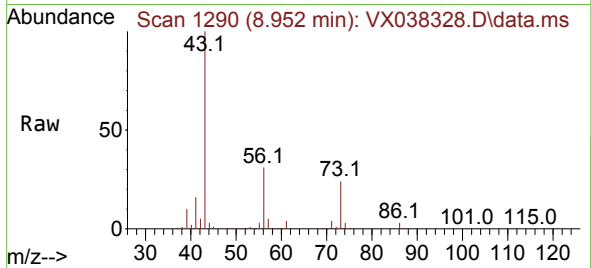




#53
 t-1,3-Dichloropropene
 Concen: 0.309 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX038328.D
 Acq: 17 Oct 2023 14:45

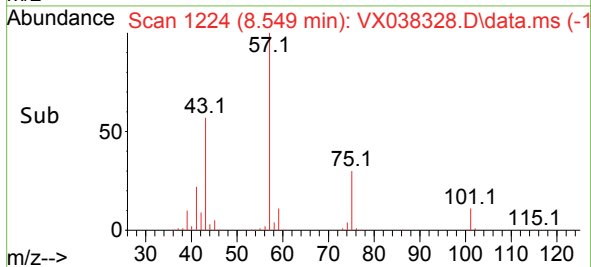
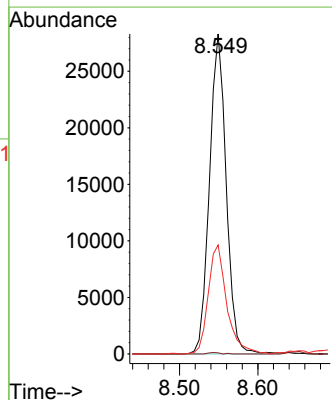
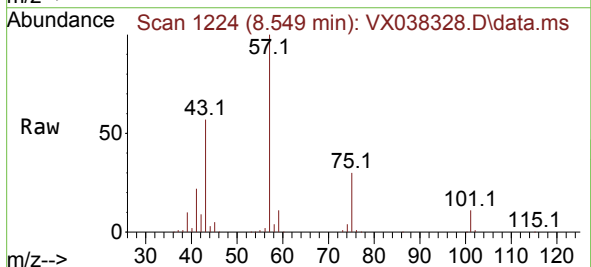
Instrument :
 MSVOA_X
 ClientSampleId :

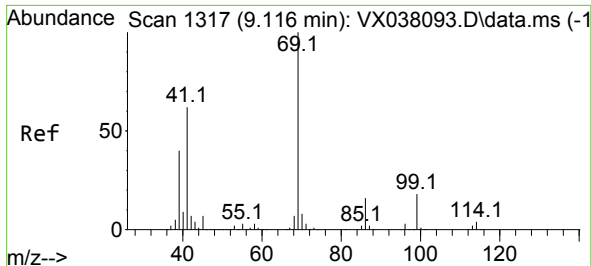
Tgt Ion: 75 Resp: 778
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.865 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX038328.D
 Acq: 17 Oct 2023 14:45

Tgt Ion: 75 Resp: 41940
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 34.1 46.7 70.1#

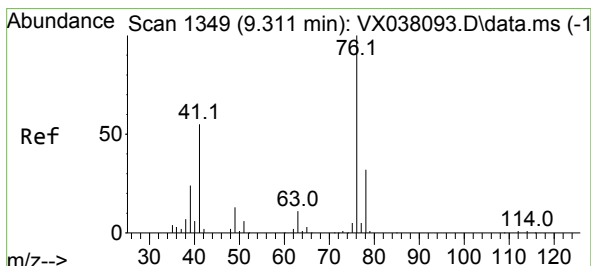
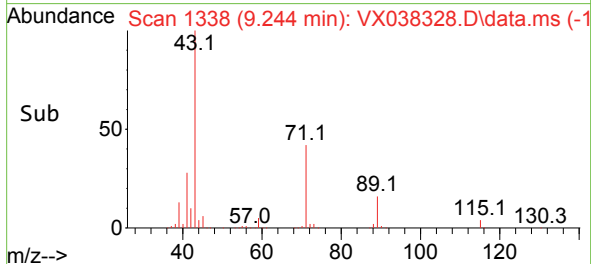
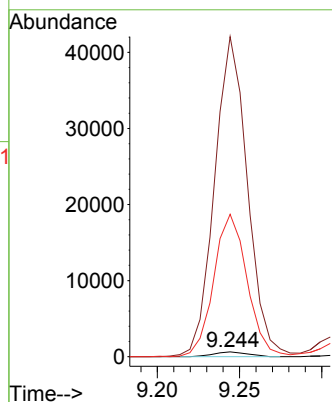
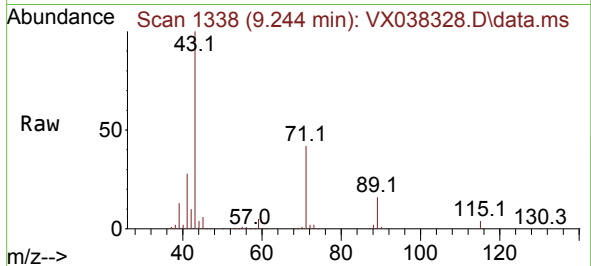




#56
Ethyl methacrylate
Concen: 0.319 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

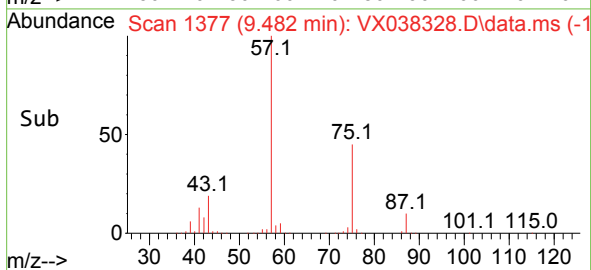
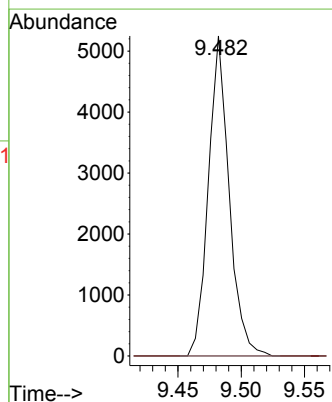
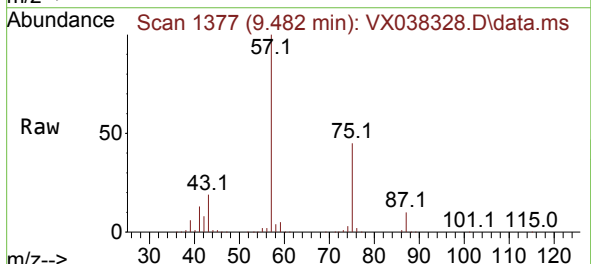
Instrument :
MSVOA_X
ClientSampleId :

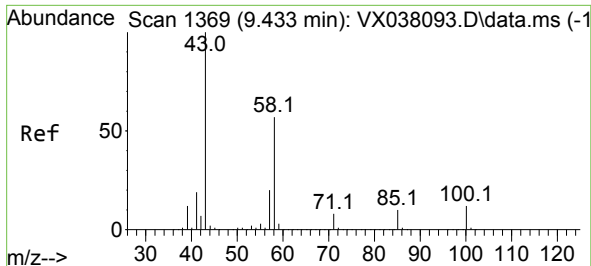
Tgt Ion: 69 Resp: 895
Ion Ratio Lower Upper
69 100
41 6566.7 56.8 85.2#
39 2962.6 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 2.026 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Tgt Ion: 76 Resp: 5992
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

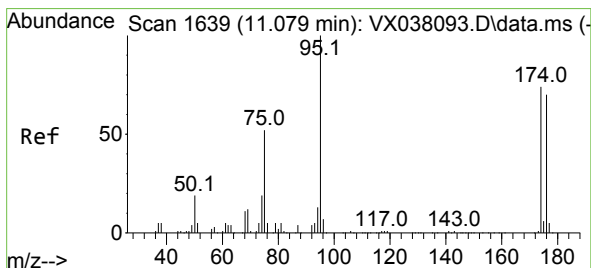
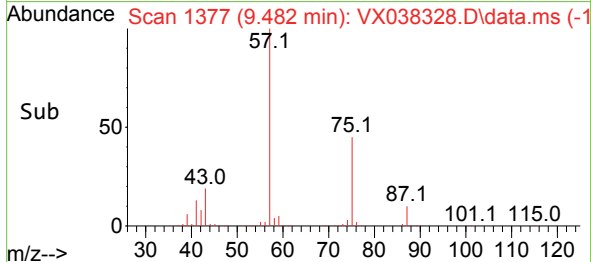
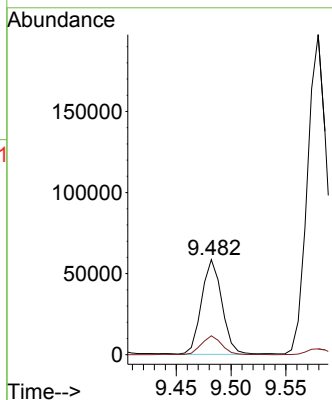
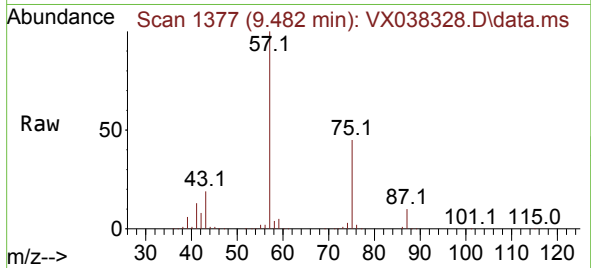




#59
2-Hexanone
Concen: 32.928 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

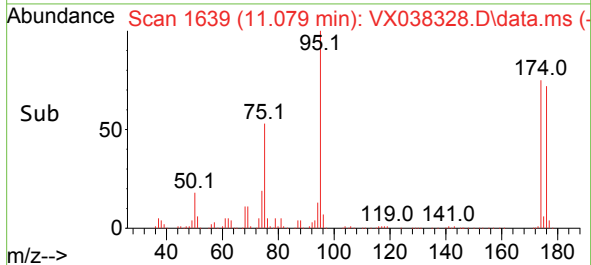
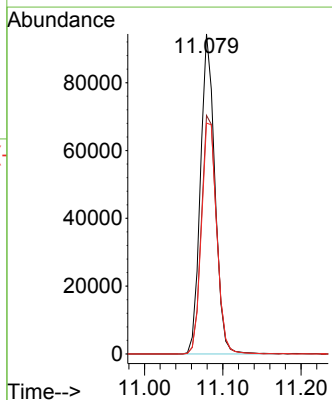
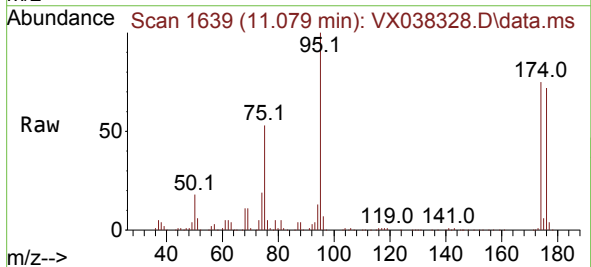
Instrument :
MSVOA_X
ClientSampleId :

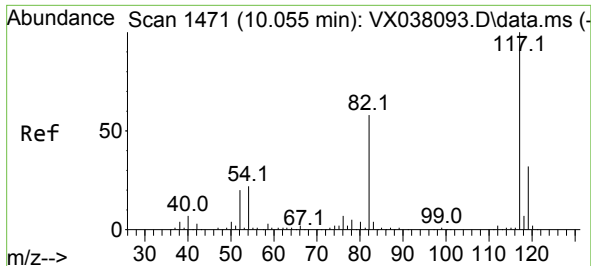
Tgt Ion: 43 Resp: 75977
Ion Ratio Lower Upper
43 100
58 20.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.974 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Tgt Ion: 95 Resp: 120749
Ion Ratio Lower Upper
95 100
174 78.3 0.0 135.6
176 76.8 0.0 131.0

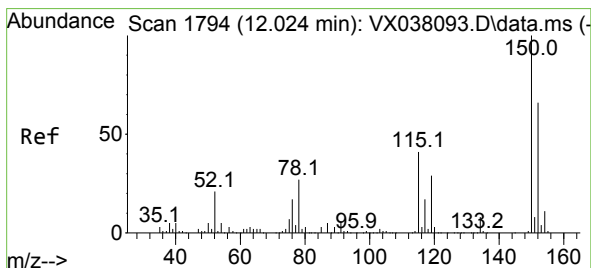
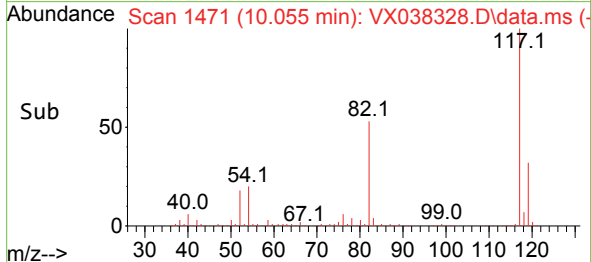
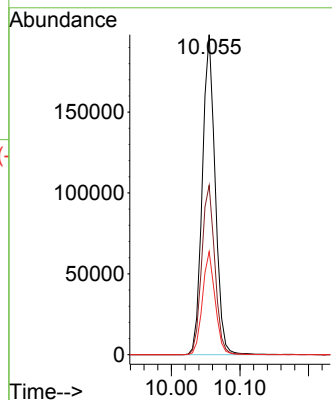
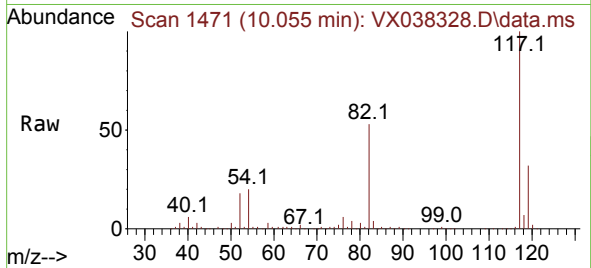




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

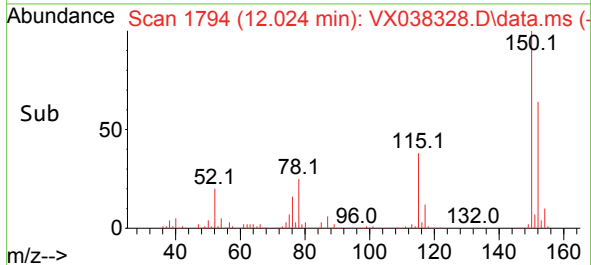
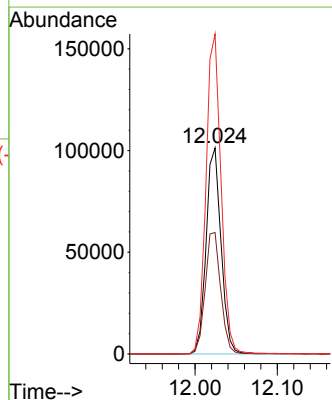
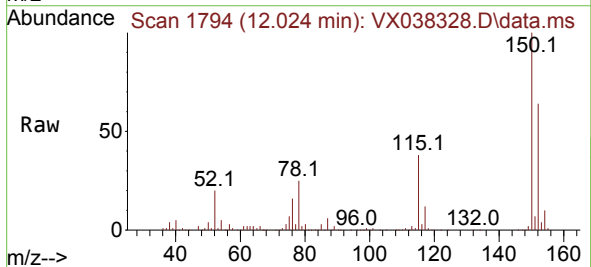
Instrument :
MSVOA_X
ClientSampleId :

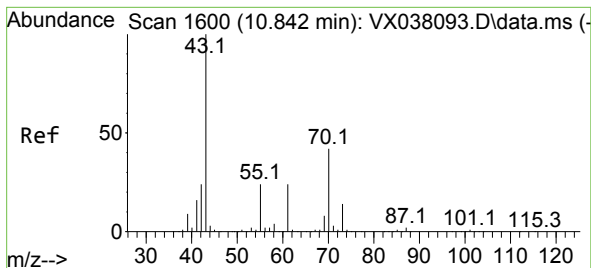
Tgt Ion:117 Resp: 258836
Ion Ratio Lower Upper
117 100
82 52.9 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Tgt Ion:152 Resp: 128108
Ion Ratio Lower Upper
152 100
115 61.1 43.3 129.9
150 156.0 0.0 345.0





#74

N-amy1 acetate

Concen: 6.363 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.202 min

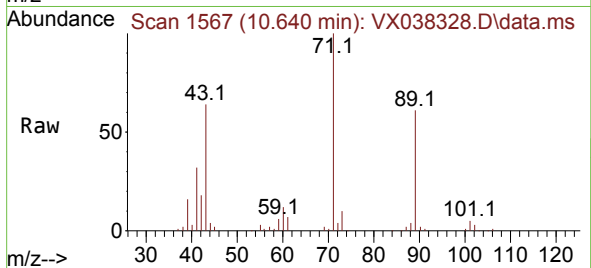
Lab File: VX038328.D

Acq: 17 Oct 2023 14:45

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 23344

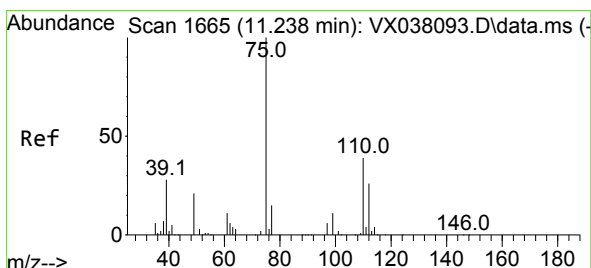
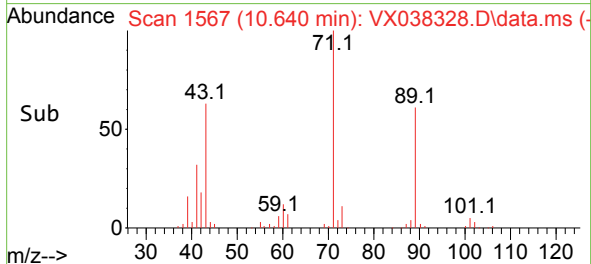
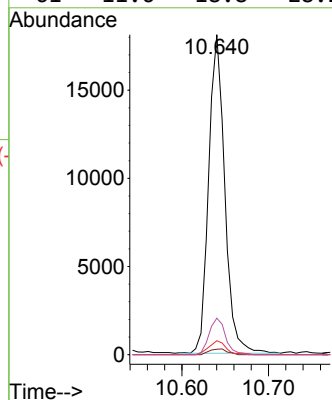
Ion Ratio Lower Upper

43 100

70 2.0 32.9 49.3#

55 4.7 19.3 28.9#

61 11.6 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 21.957 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038328.D

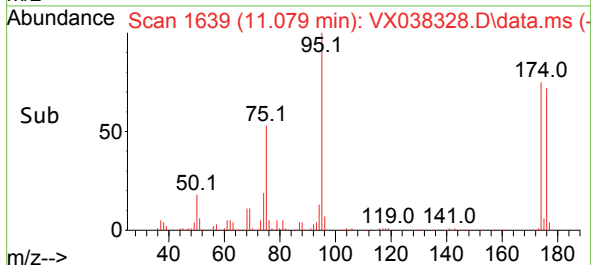
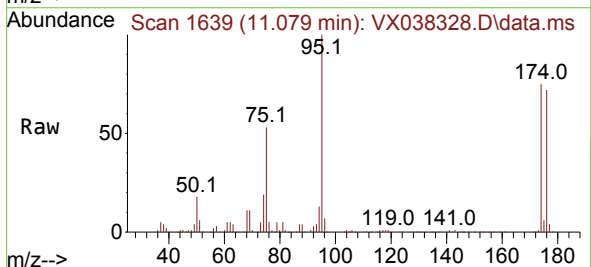
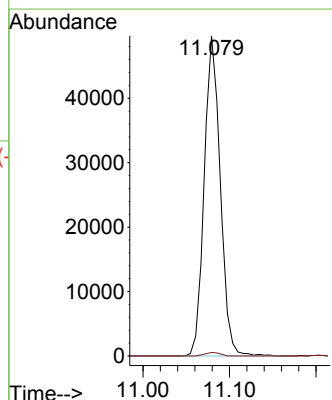
Acq: 17 Oct 2023 14:45

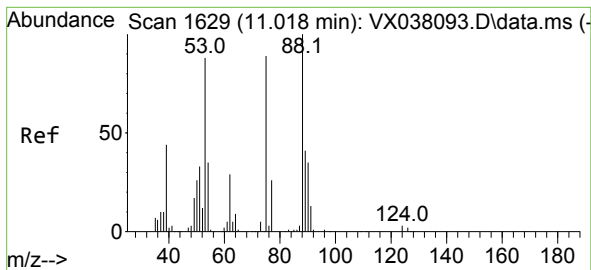
Tgt Ion: 75 Resp: 63946

Ion Ratio Lower Upper

75 100

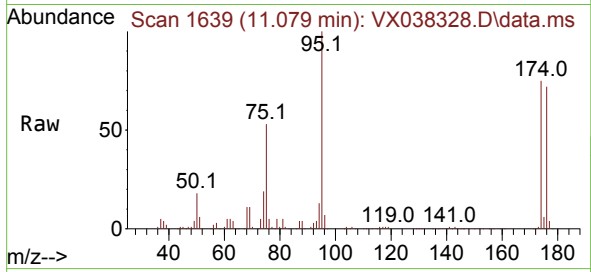
77 1.0 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 62.974 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038328.D
Acq: 17 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 63946
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

