

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038335.D
 Acq On : 17 Oct 2023 17:27
 Operator : JC/MD
 Sample : 04888-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 04:02:41 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)

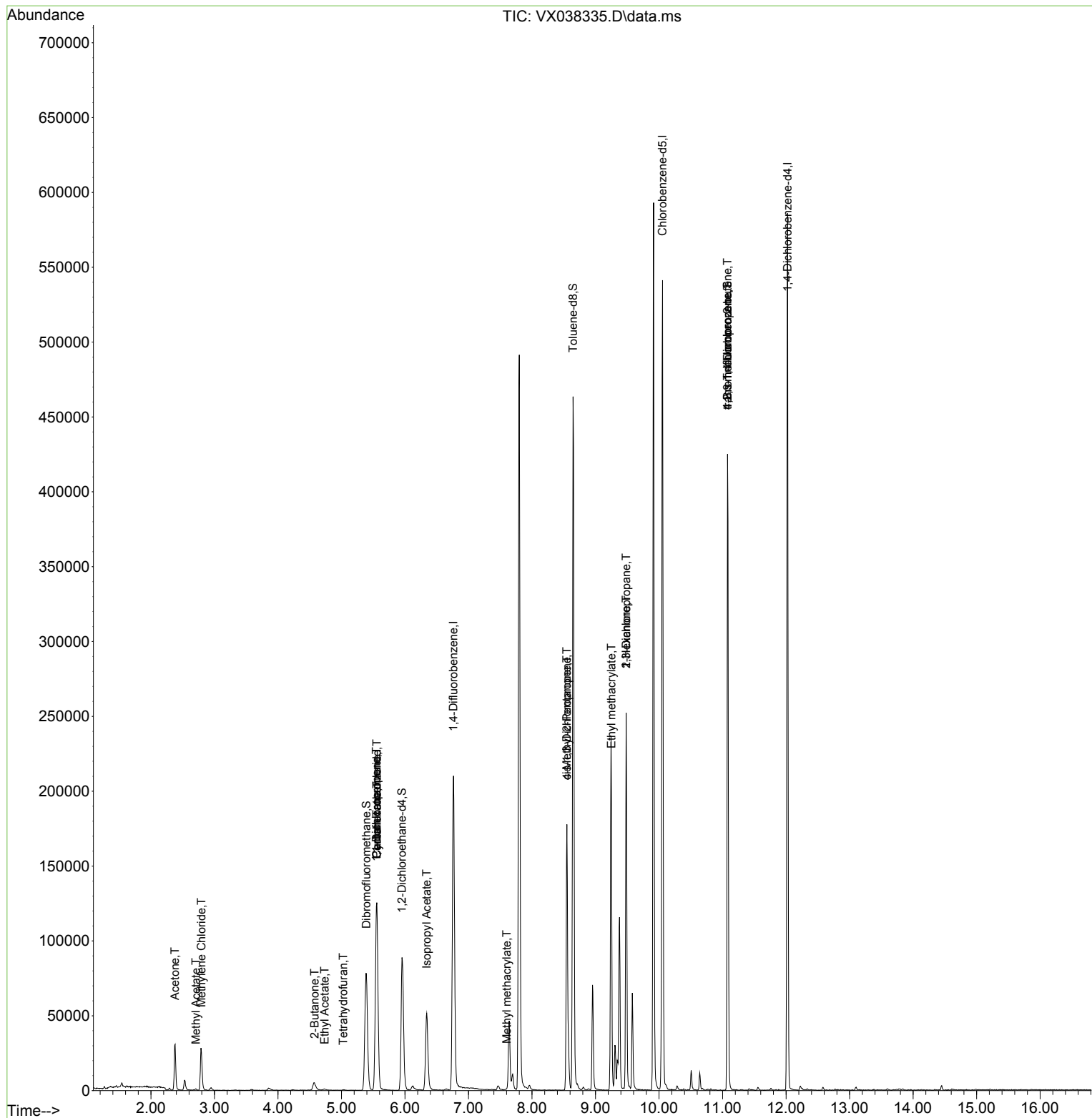
Internal Standards						
1) Pentafluorobenzene	5.556	168	118160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85893	45.194	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.380%		
35) Dibromofluoromethane	5.391	113	68801	44.021	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.040%		
50) Toluene-d8	8.647	98	281799	47.184	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.360%		
62) 4-Bromofluorobenzene	11.079	95	110485	48.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.600%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.557	94	66	Below Cal	#	3
6) Chloroethane	1.703	64	126	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	1230	Below Cal	#	83
16) Acetone	2.380	43	32312	40.737	ug/l	93
18) Methyl Acetate	2.709	43	1142	0.336	ug/l	# 87
20) Methylene Chloride	2.794	84	13347	8.946	ug/l	# 83
25) 2-Butanone	4.574	43	5849	4.570	ug/l	# 86
29) Tetrahydrofuran	5.025	42	332	0.398	ug/l	# 45
31) Cyclohexane	5.556	56	2840	1.379	ug/l	# 29
36) 1,1-Dichloropropene	5.550	75	9914	4.600	ug/l	# 51
37) Ethyl Acetate	4.733	43	1975	0.772	ug/l	# 77
38) Carbon Tetrachloride	5.556	117	12672	5.977	ug/l	# 15
43) Isopropyl Acetate	6.342	43	70398	18.423	ug/l	# 97
48) Methyl methacrylate	7.604	41	1486	0.815	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.549	43	69351	26.312	ug/l	# 37
54) cis-1,3-Dichloropropene	8.549	75	28619	11.789	ug/l	# 63
56) Ethyl methacrylate	9.250	69	655	0.254	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	2020	0.744	ug/l	# 42
59) 2-Hexanone	9.482	43	28531	13.465	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	59909	22.217	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	59909	63.674	ug/l	# 5

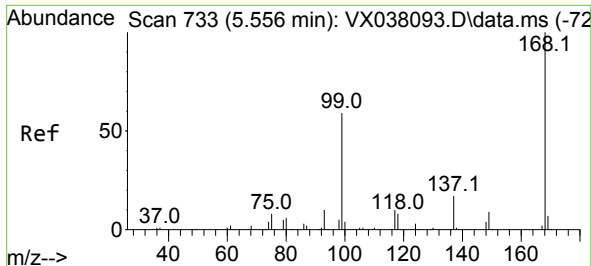
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Oct 18 04:02:41 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

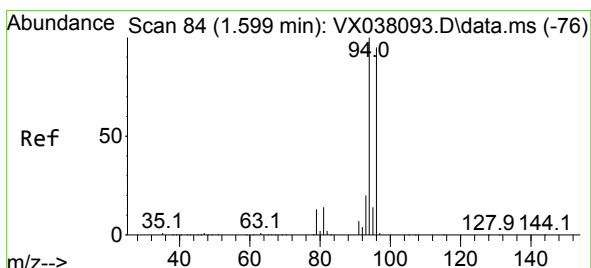
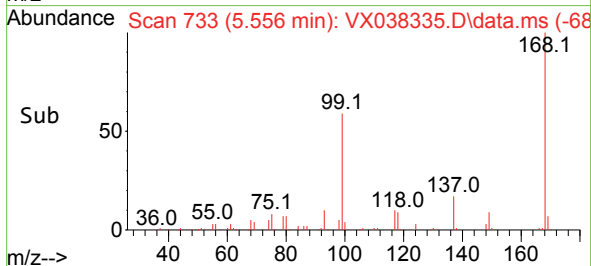
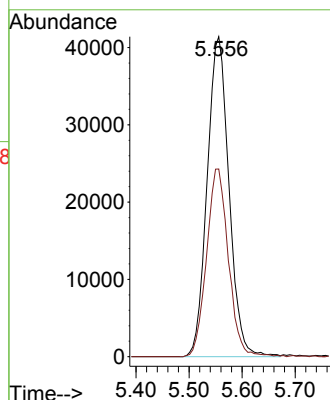
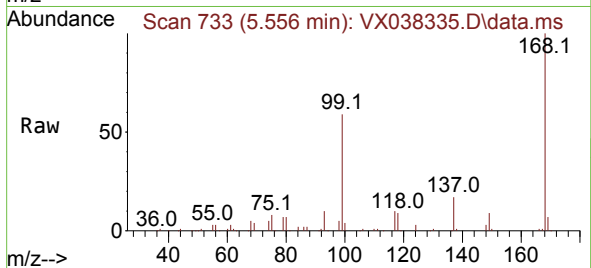




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

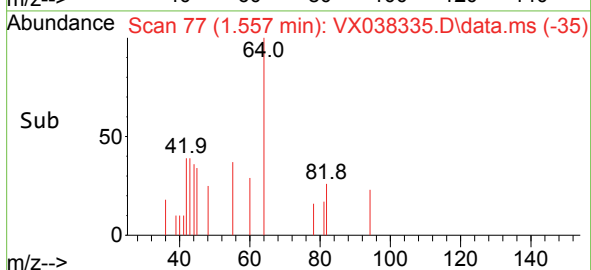
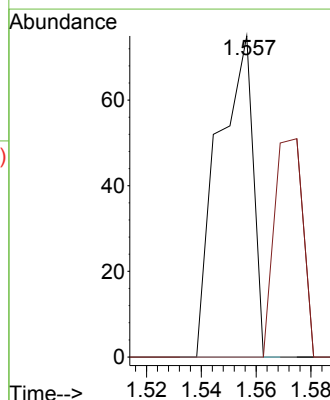
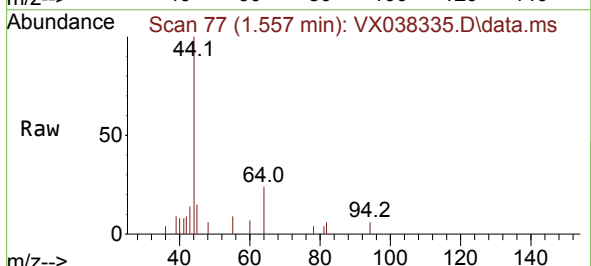
Instrument :
MSVOA_X
ClientSampleId :

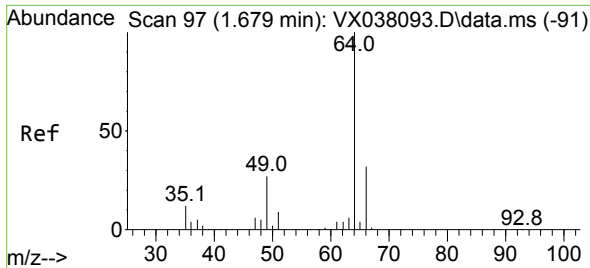
Tgt Ion:168 Resp: 118160
Ion Ratio Lower Upper
168 100
99 58.6 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.557 min Scan# 77
Delta R.T. -0.042 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

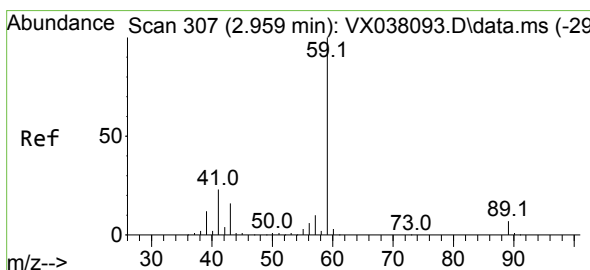
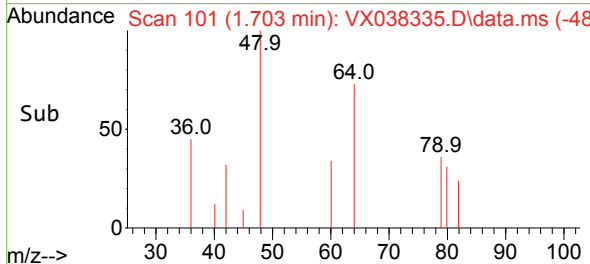
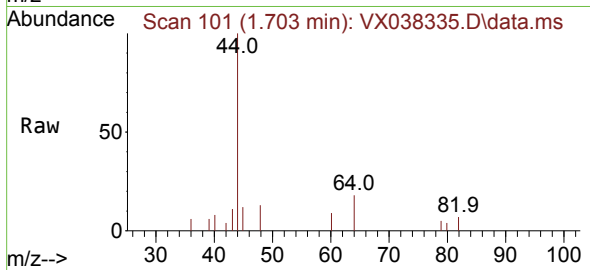




#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

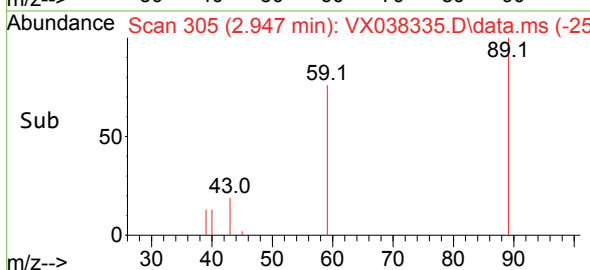
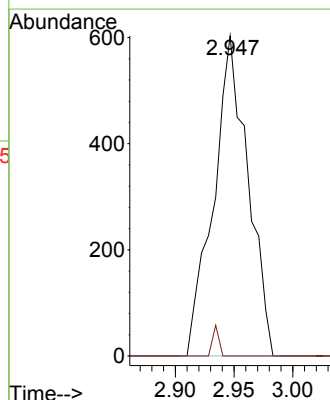
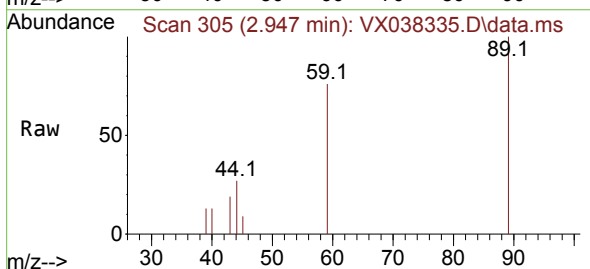
Instrument :
MSVOA_X
ClientSampleId :

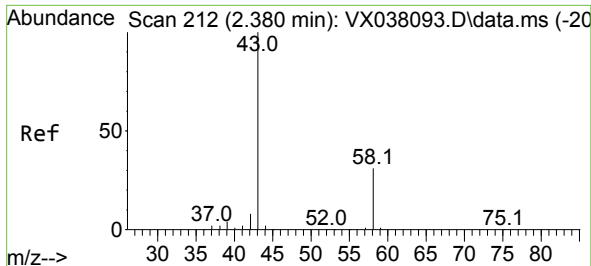
Tgt Ion: 64 Resp: 126
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Tgt Ion: 59 Resp: 1230
Ion Ratio Lower Upper
59 100
57 1.7 6.0 9.0#

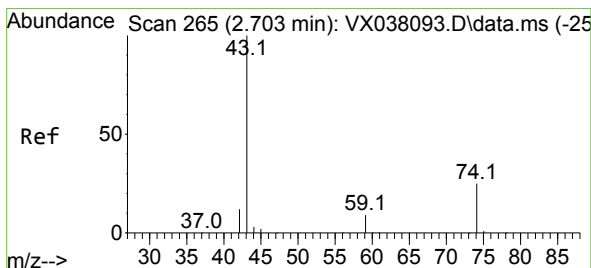
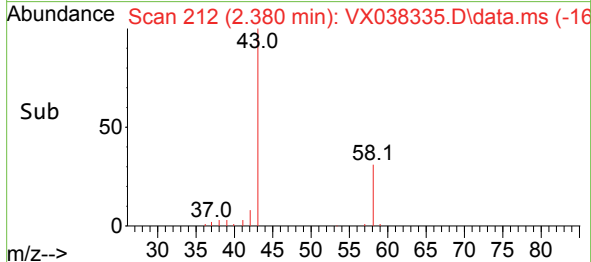
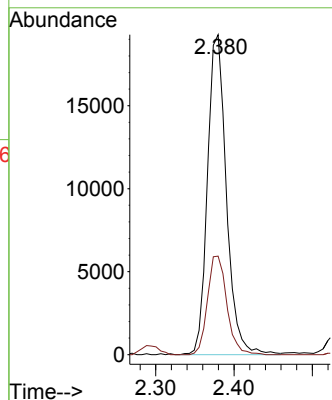
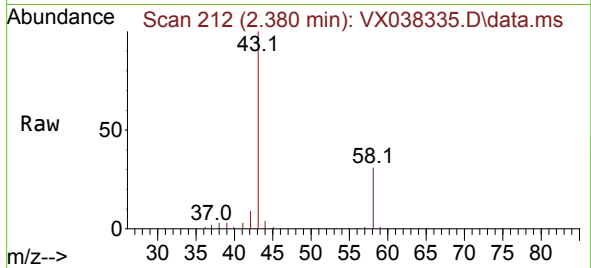




#16
Acetone
Concen: 40.737 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

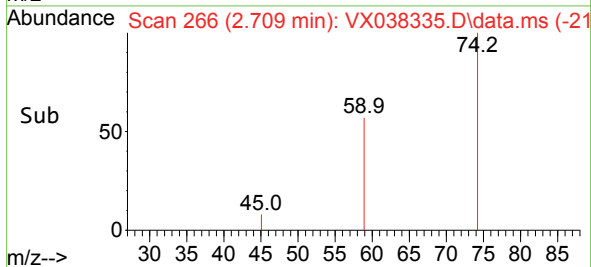
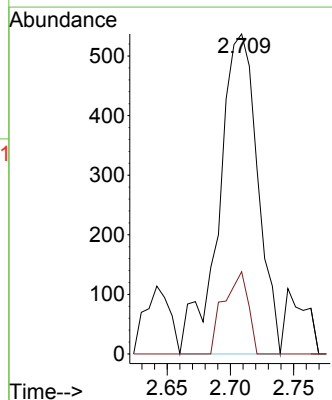
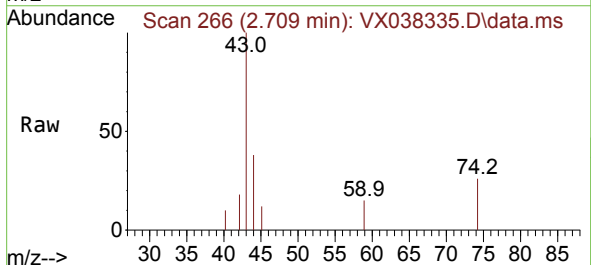
Instrument :
MSVOA_X
ClientSampleId :

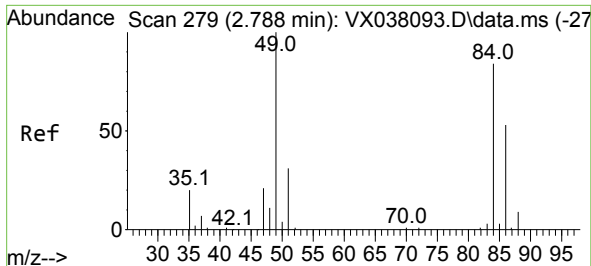
Tgt Ion: 43 Resp: 32312
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.336 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
74 16.2 17.8 26.8#



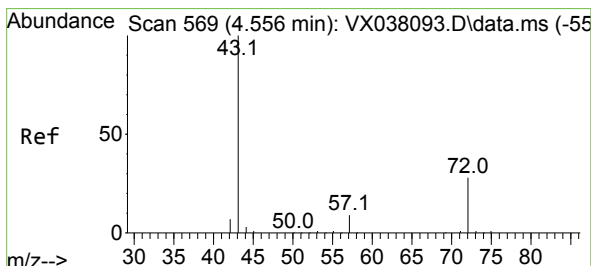
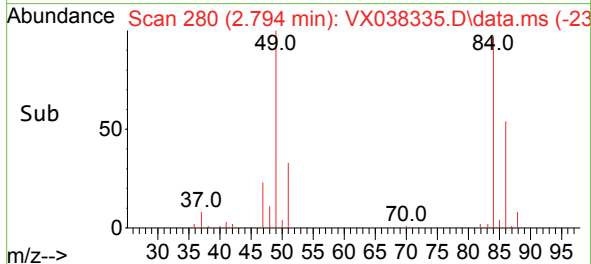
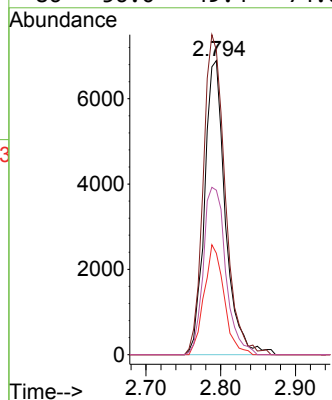
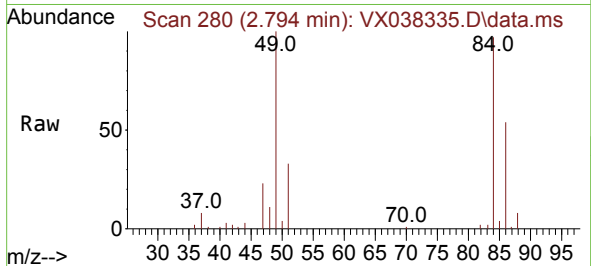


#20
Methylene Chloride
Concen: 8.946 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 13347

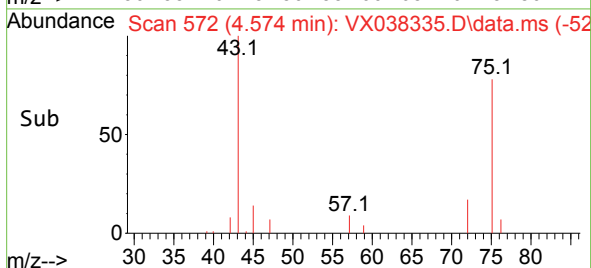
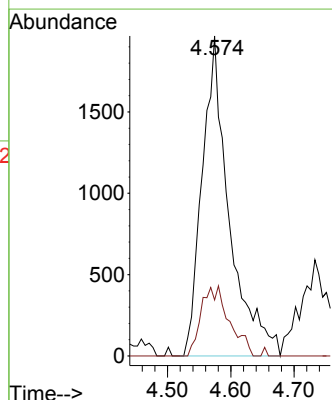
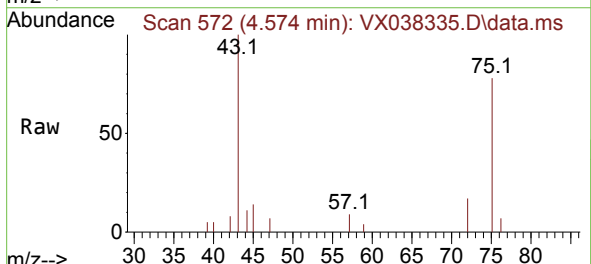
Ion	Ratio	Lower	Upper
84	100		
49	103.5	103.6	155.4#
51	34.5	33.8	50.6
86	56.0	49.4	74.0

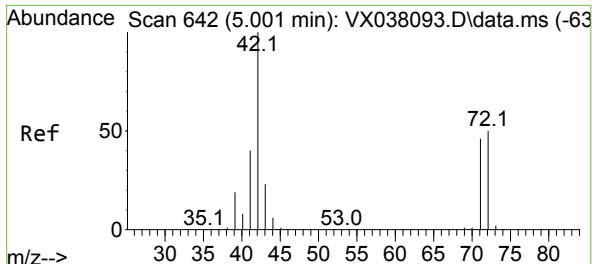


#25
2-Butanone
Concen: 4.570 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Tgt Ion: 43 Resp: 5849

Ion	Ratio	Lower	Upper
43	100		
72	17.5	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.398 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

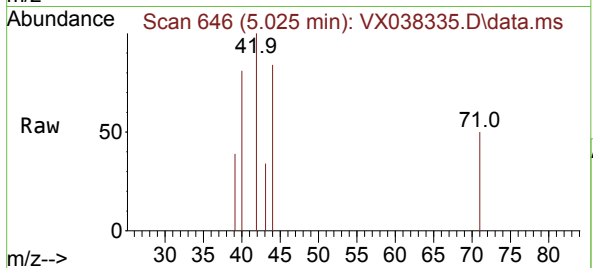
Lab File: VX038335.D

Acq: 17 Oct 2023 17:27

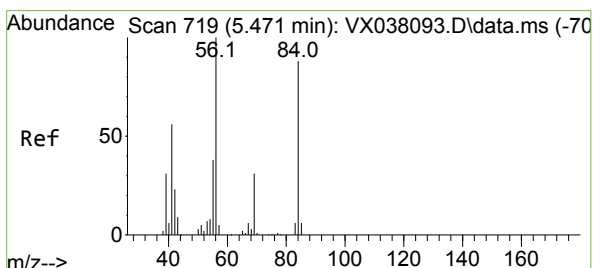
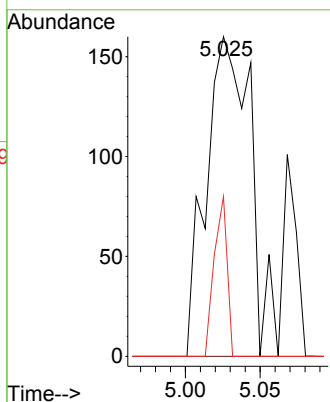
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	332
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	14.5	32.2	48.2#



#31

Cyclohexane

Concen: 1.379 ug/l

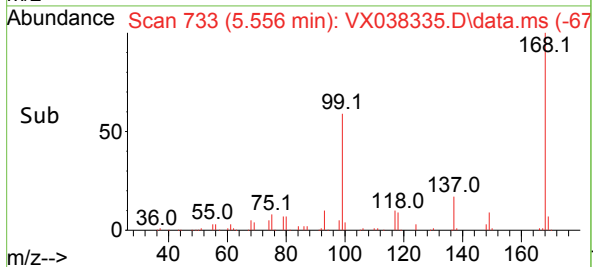
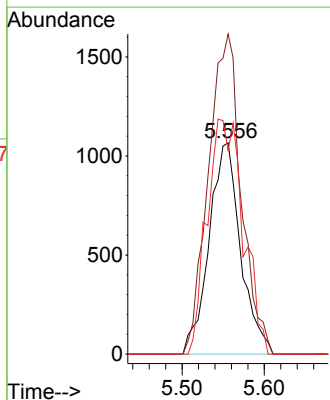
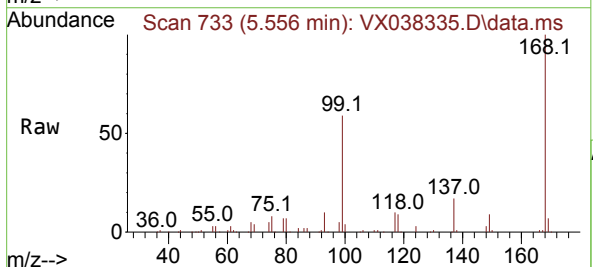
RT: 5.556 min Scan# 733

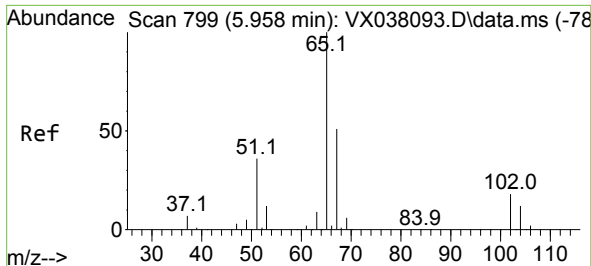
Delta R.T. 0.085 min

Lab File: VX038335.D

Acq: 17 Oct 2023 17:27

Tgt Ion:	56	Resp:	2840
Ion Ratio	100	Lower	Upper
56	100		
69	151.5	23.4	35.2#
84	96.3	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 45.194 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038335.D

Acq: 17 Oct 2023 17:27

Instrument :

MSVOA_X

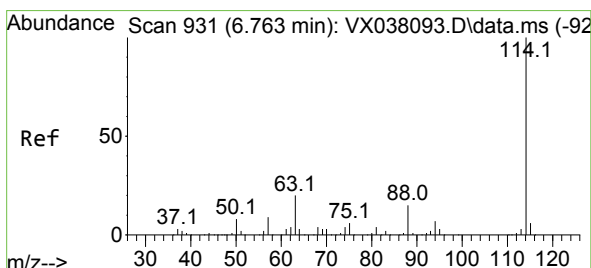
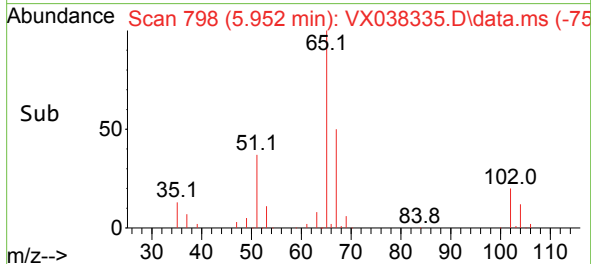
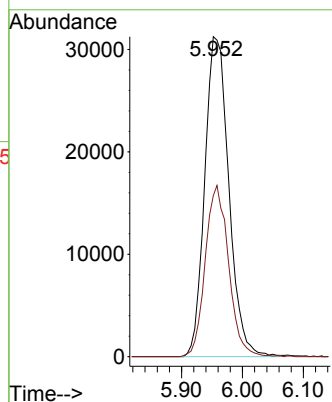
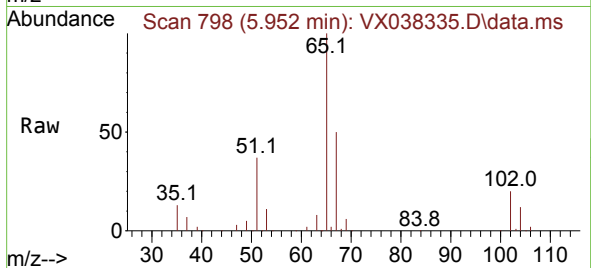
ClientSampleId :

Tgt Ion: 65 Resp: 85893

Ion Ratio Lower Upper

65 100

67 51.9 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: VX038335.D

Acq: 17 Oct 2023 17:27

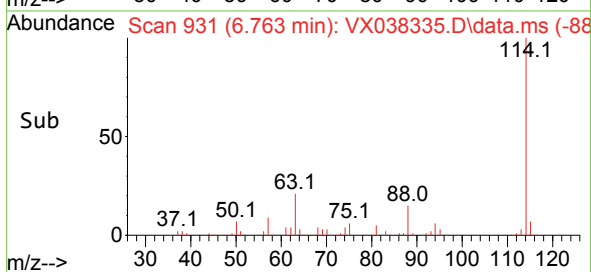
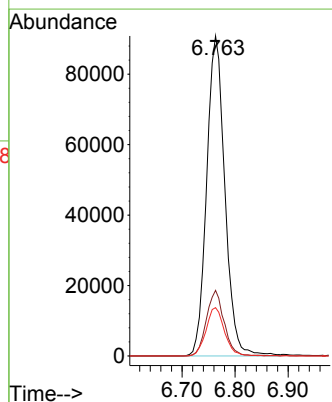
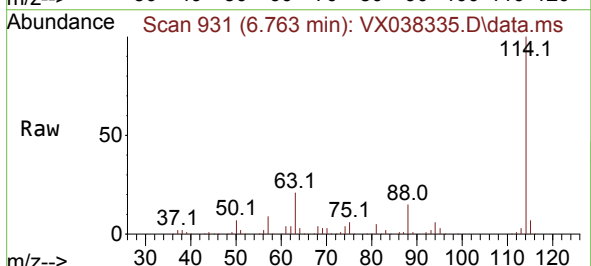
Tgt Ion: 114 Resp: 216904

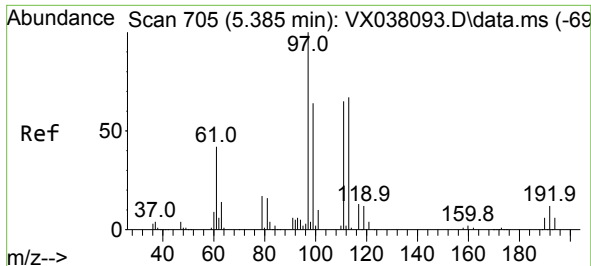
Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

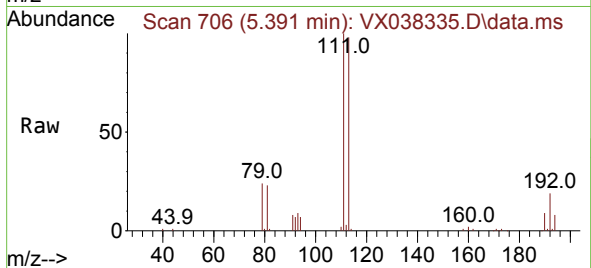
88 15.1 0.0 36.6



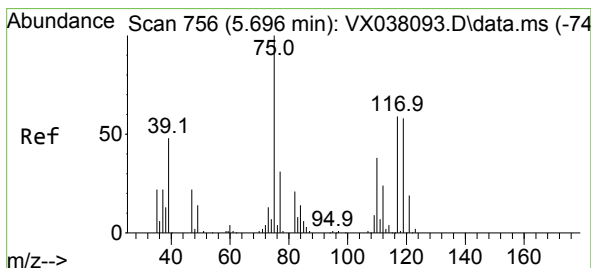
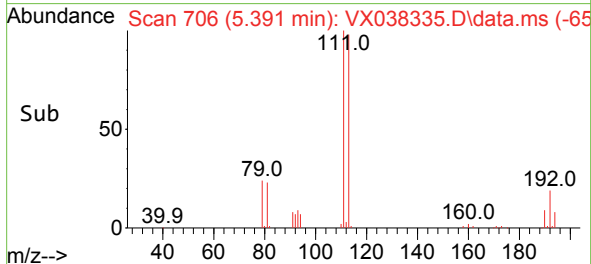
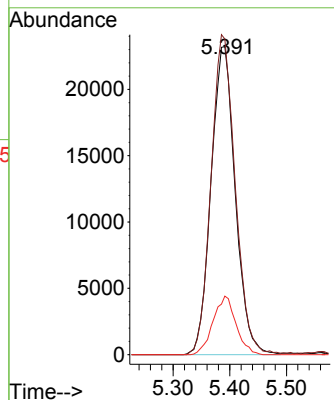


#35
Dibromofluoromethane
Concen: 44.021 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Instrument :
MSVOA_X
ClientSampleId :

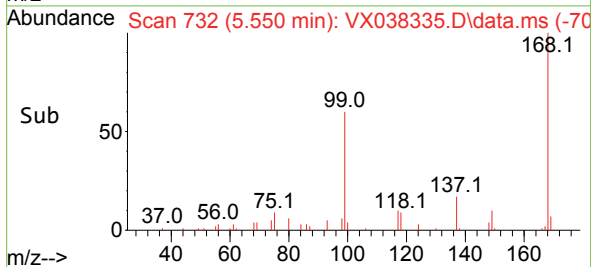
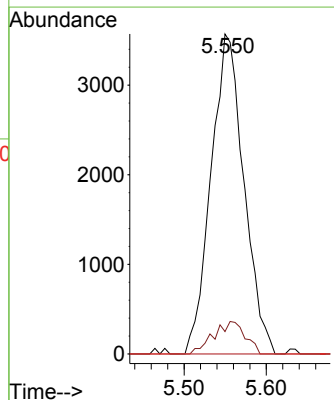
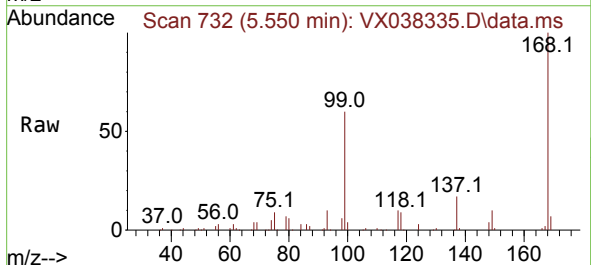


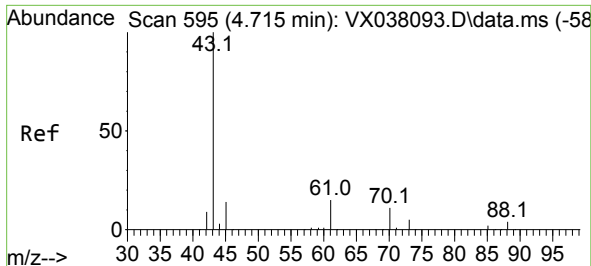
Tgt Ion:113 Resp: 68801
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Tgt Ion: 75 Resp: 9914
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.772 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.018 min

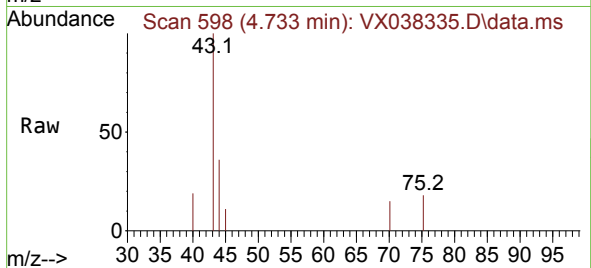
Lab File: VX038335.D

Acq: 17 Oct 2023 17:27

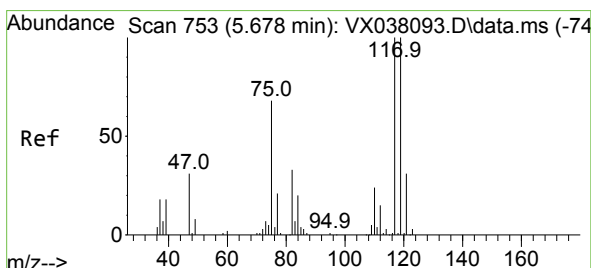
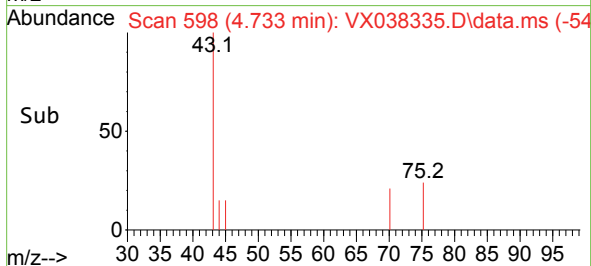
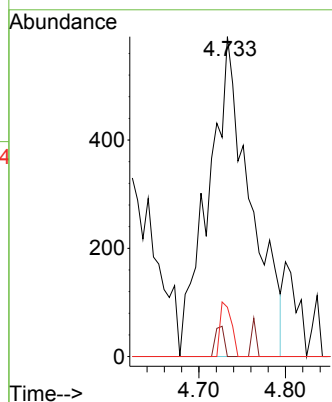
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 1975
Ion Ratio	Lower Upper
43	100
61	2.0 10.6 16.0#
70	4.6 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.977 ug/l

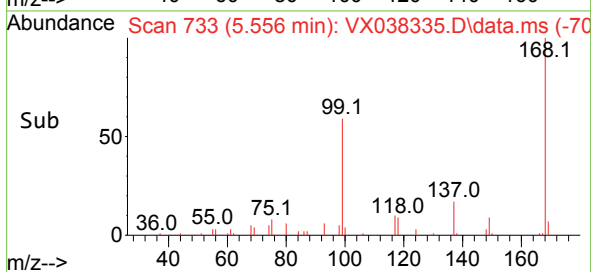
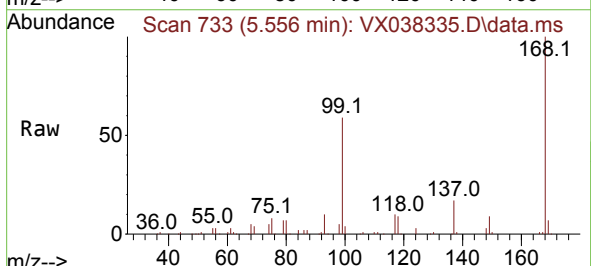
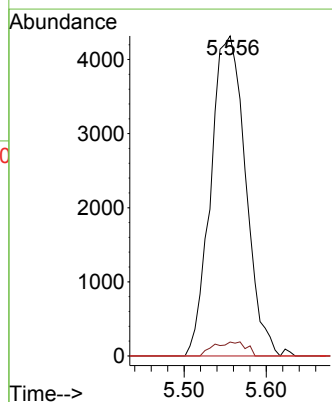
RT: 5.556 min Scan# 733

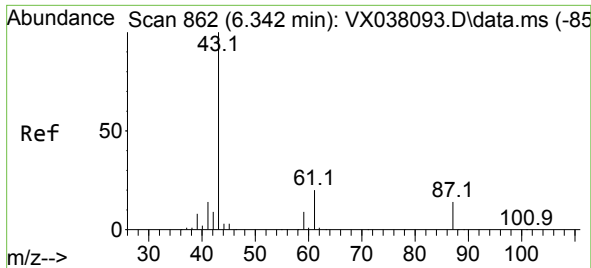
Delta R.T. -0.122 min

Lab File: VX038335.D

Acq: 17 Oct 2023 17:27

Tgt Ion: 117	Resp: 12672
Ion Ratio	Lower Upper
117	100
119	4.3 78.2 117.2#
121	0.0 24.4 36.6#

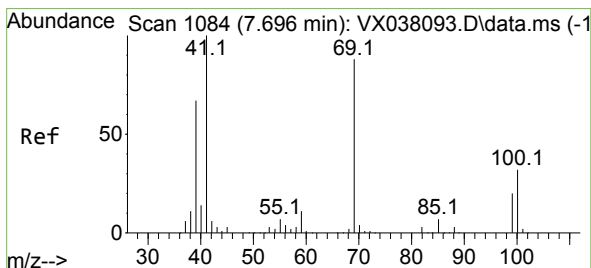
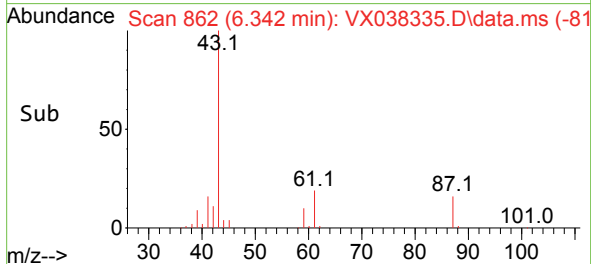
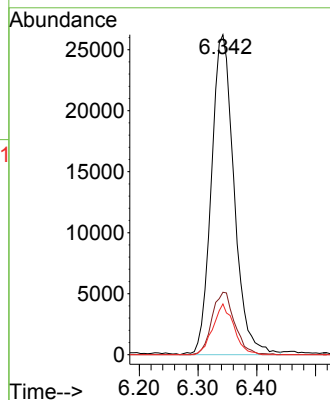
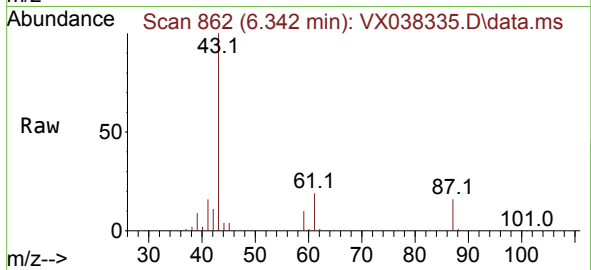




#43
Isopropyl Acetate
Concen: 18.423 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

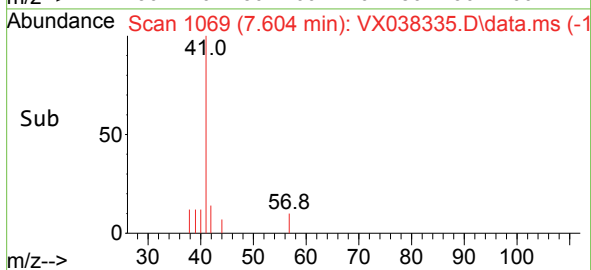
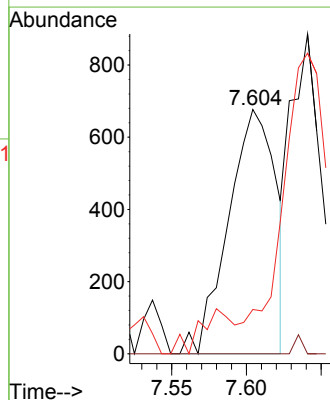
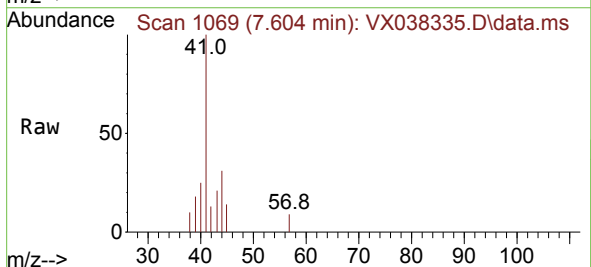
Instrument :
MSVOA_X
ClientSampleId :

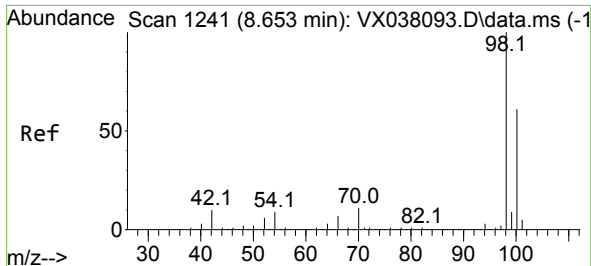
Tgt Ion: 43 Resp: 70398
Ion Ratio Lower Upper
43 100
61 19.5 15.2 22.8
87 14.7 9.8 14.6#



#48
Methyl methacrylate
Concen: 0.815 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.086 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Tgt Ion: 41 Resp: 1486
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#

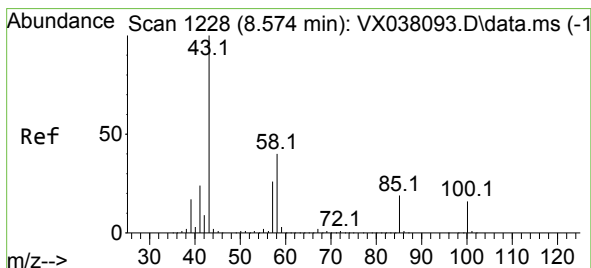
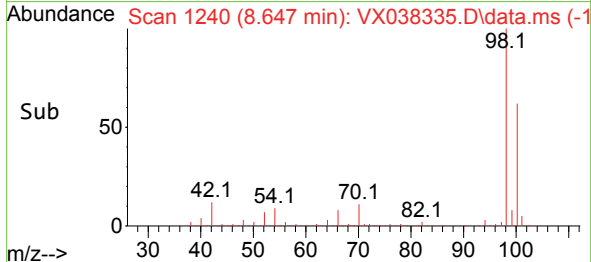
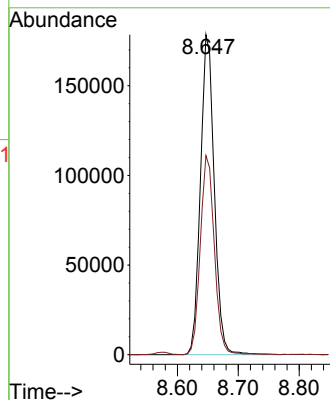
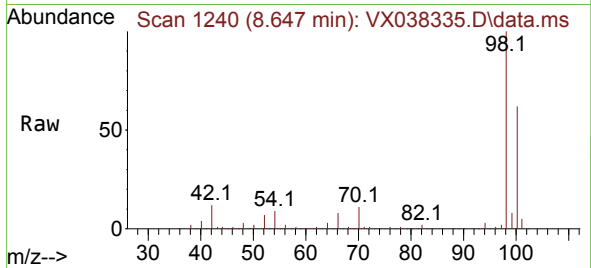




#50
Toluene-d8
Concen: 47.184 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

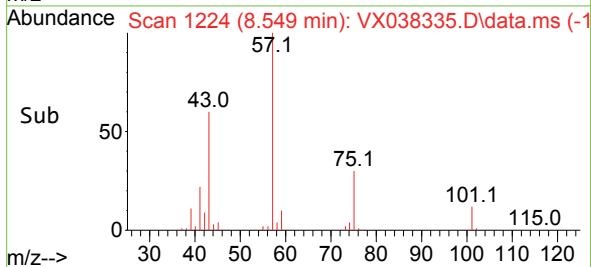
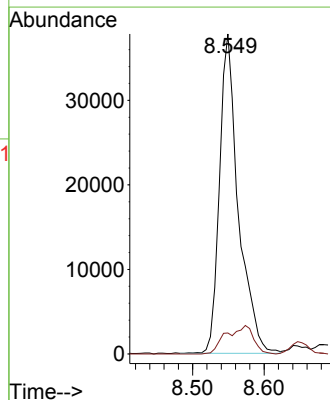
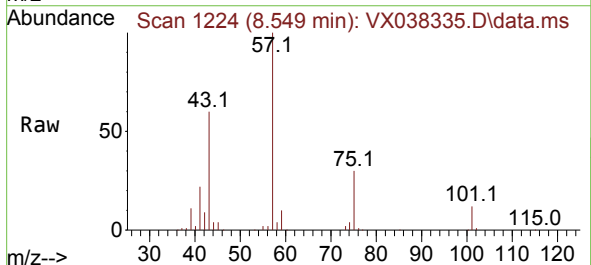
Instrument :
MSVOA_X
ClientSampleId :

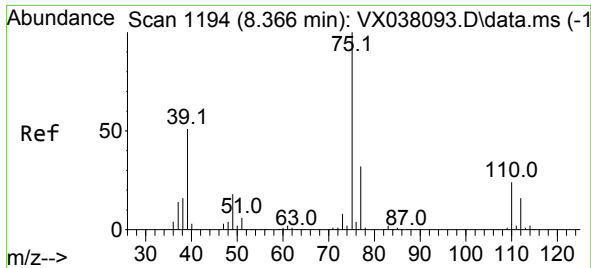
Tgt Ion: 98 Resp: 281799
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 26.312 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

Tgt Ion: 43 Resp: 69351
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

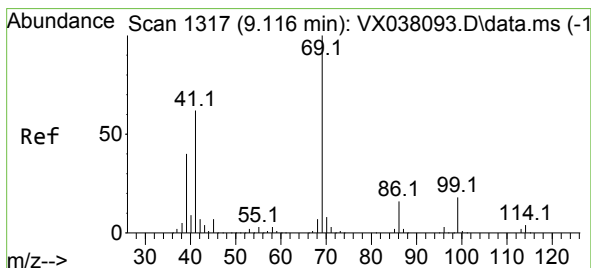
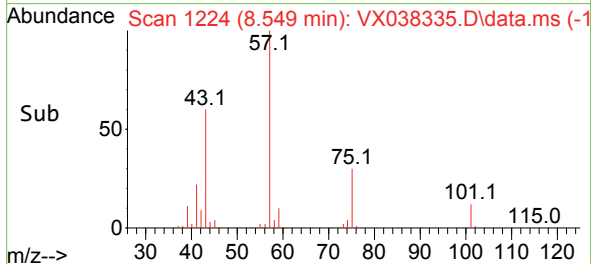
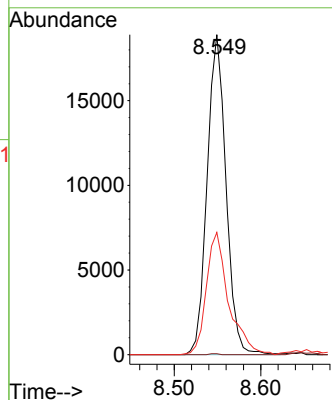
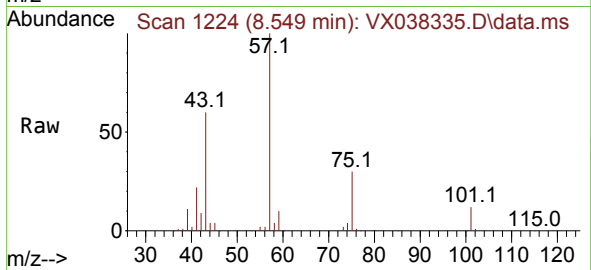




#54
 cis-1,3-Dichloropropene
 Concen: 11.789 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038335.D
 Acq: 17 Oct 2023 17:27

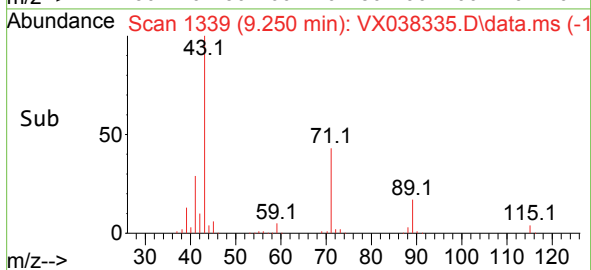
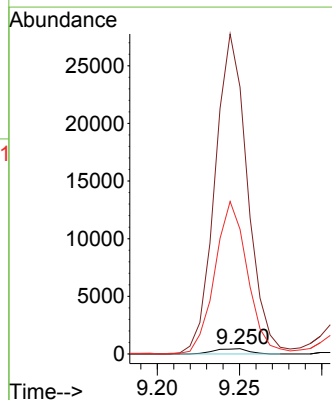
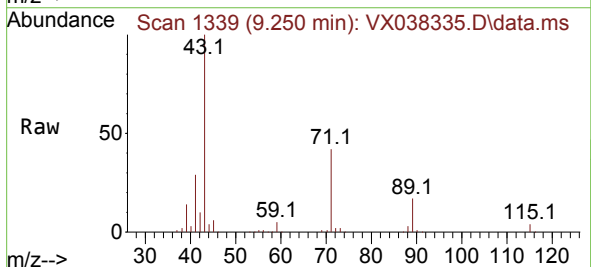
Instrument :
 MSVOA_X
 ClientSampleId :

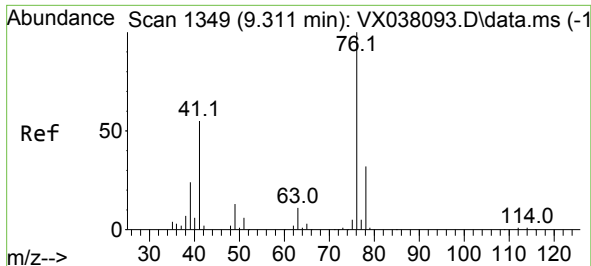
Tgt Ion: 75 Resp: 28619
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 38.2 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.254 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX038335.D
 Acq: 17 Oct 2023 17:27

Tgt Ion: 69 Resp: 655
 Ion Ratio Lower Upper
 69 100
 41 5842.1 56.8 85.2#
 39 2802.7 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 0.744 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038335.D

Acq: 17 Oct 2023 17:27

Instrument :

MSVOA_X

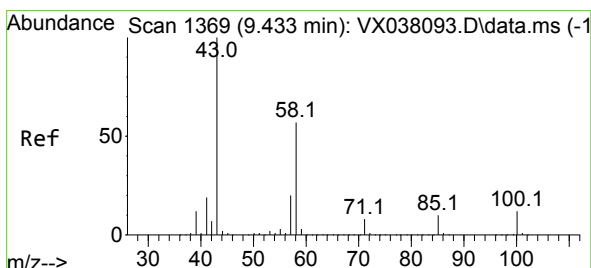
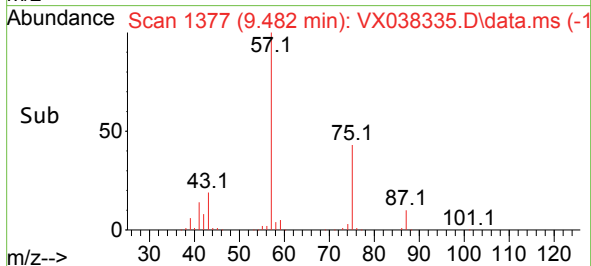
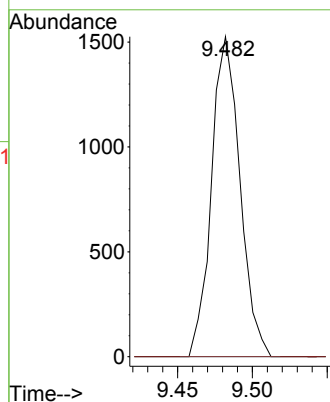
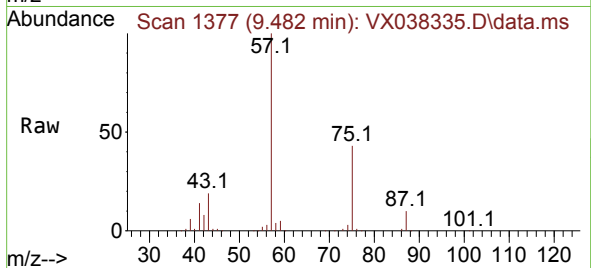
ClientSampleId :

Tgt Ion: 76 Resp: 2020

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 13.465 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038335.D

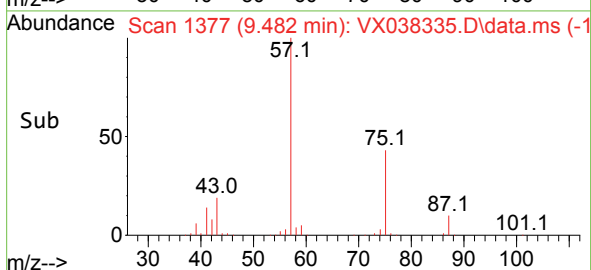
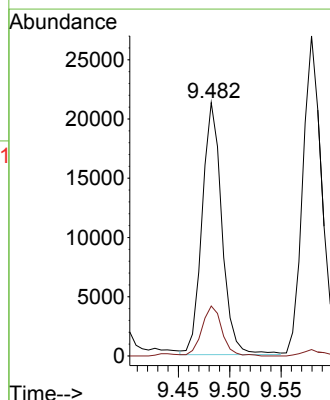
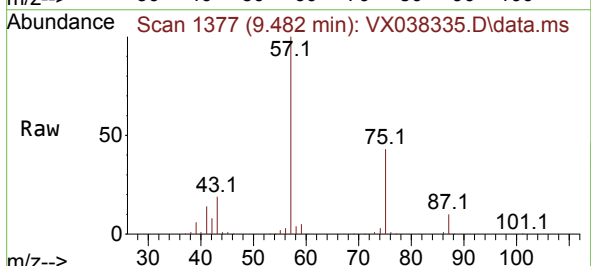
Acq: 17 Oct 2023 17:27

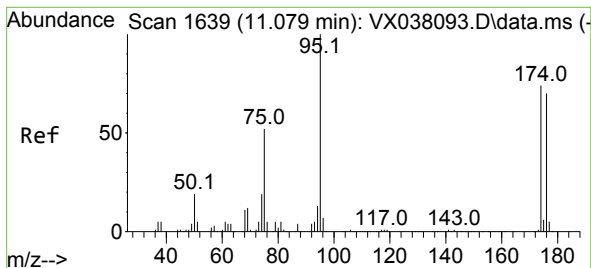
Tgt Ion: 43 Resp: 28531

Ion Ratio Lower Upper

43 100

58 20.2 26.2 78.5#

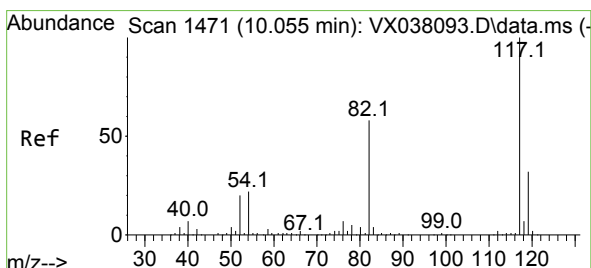
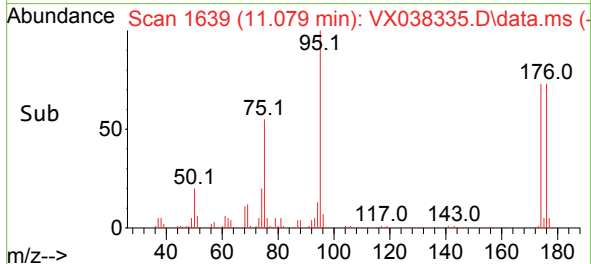
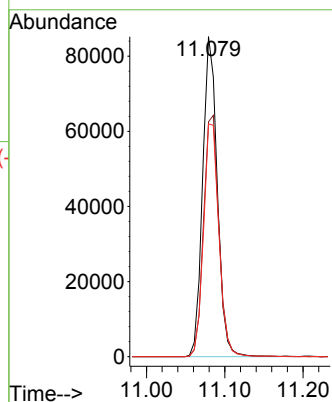
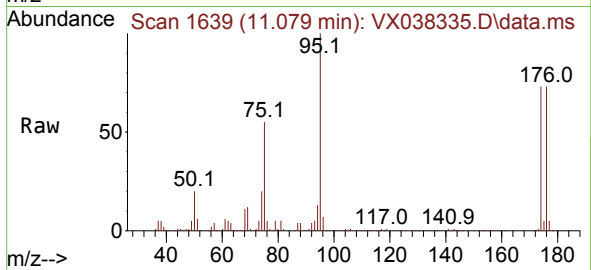




#62
4-Bromofluorobenzene
Concen: 48.797 ug/l
RT: 11.079 min Scan# 110485
Delta R.T. 0.000 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

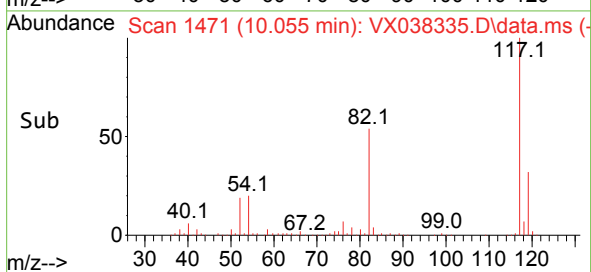
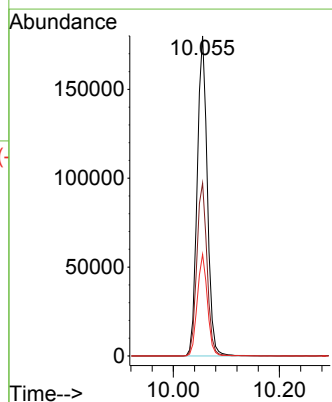
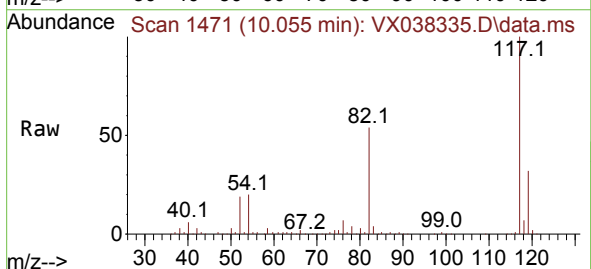
Instrument :
MSVOA_X
ClientSampleId :

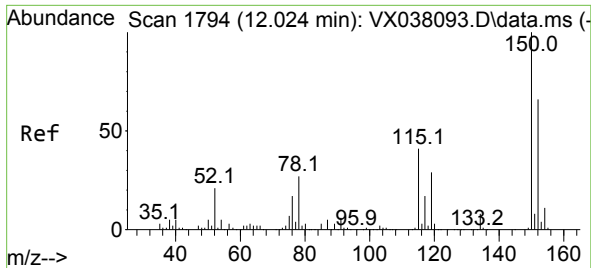
Tgt Ion: 95 Resp: 110485
Ion Ratio Lower Upper
95 100
174 79.2 0.0 135.6
176 76.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038335.D
Acq: 17 Oct 2023 17:27

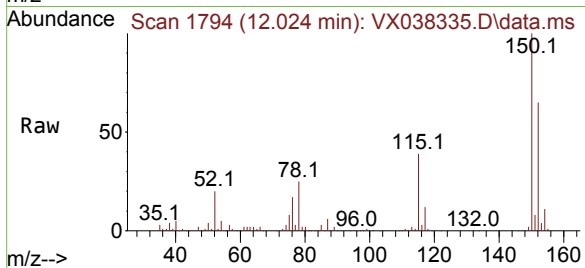
Tgt Ion: 117 Resp: 237956
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 31.7 25.5 38.3



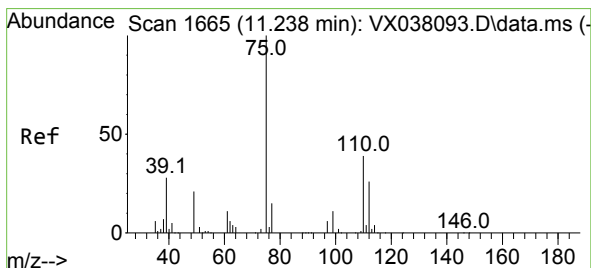
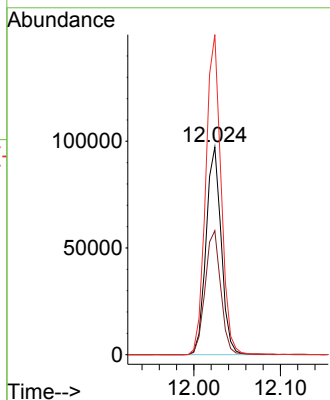
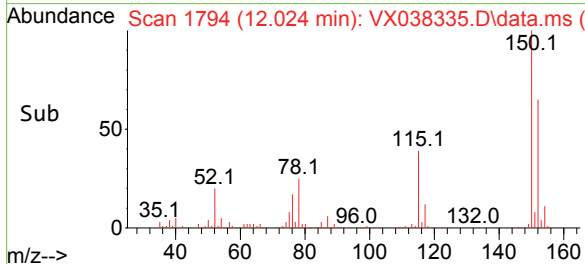


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038335.D
 Acq: 17 Oct 2023 17:27

Instrument :
 MSVOA_X
 ClientSampleId :

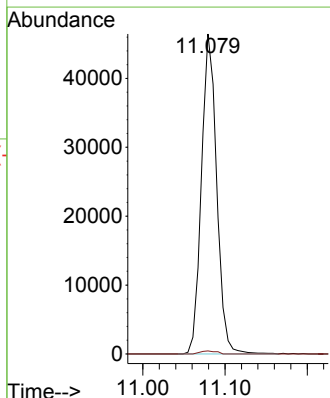
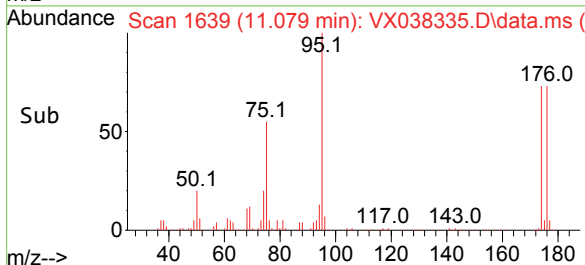
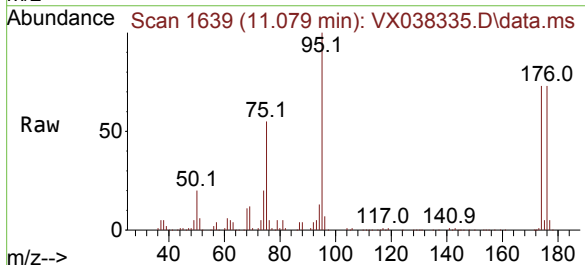


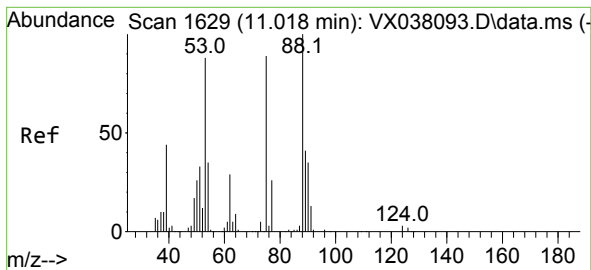
Tgt Ion:152 Resp: 118612
 Ion Ratio Lower Upper
 152 100
 115 61.5 43.3 129.9
 150 155.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.217 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038335.D
 Acq: 17 Oct 2023 17:27

Tgt Ion: 75 Resp: 59909
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.674 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX038335.D
 Acq: 17 Oct 2023 17:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 59909
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

