

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038735.D
 Acq On : 10 Nov 2023 17:43
 Operator : JC/MD
 Sample : 05358-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20231108

Quant Time: Nov 11 01:57:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

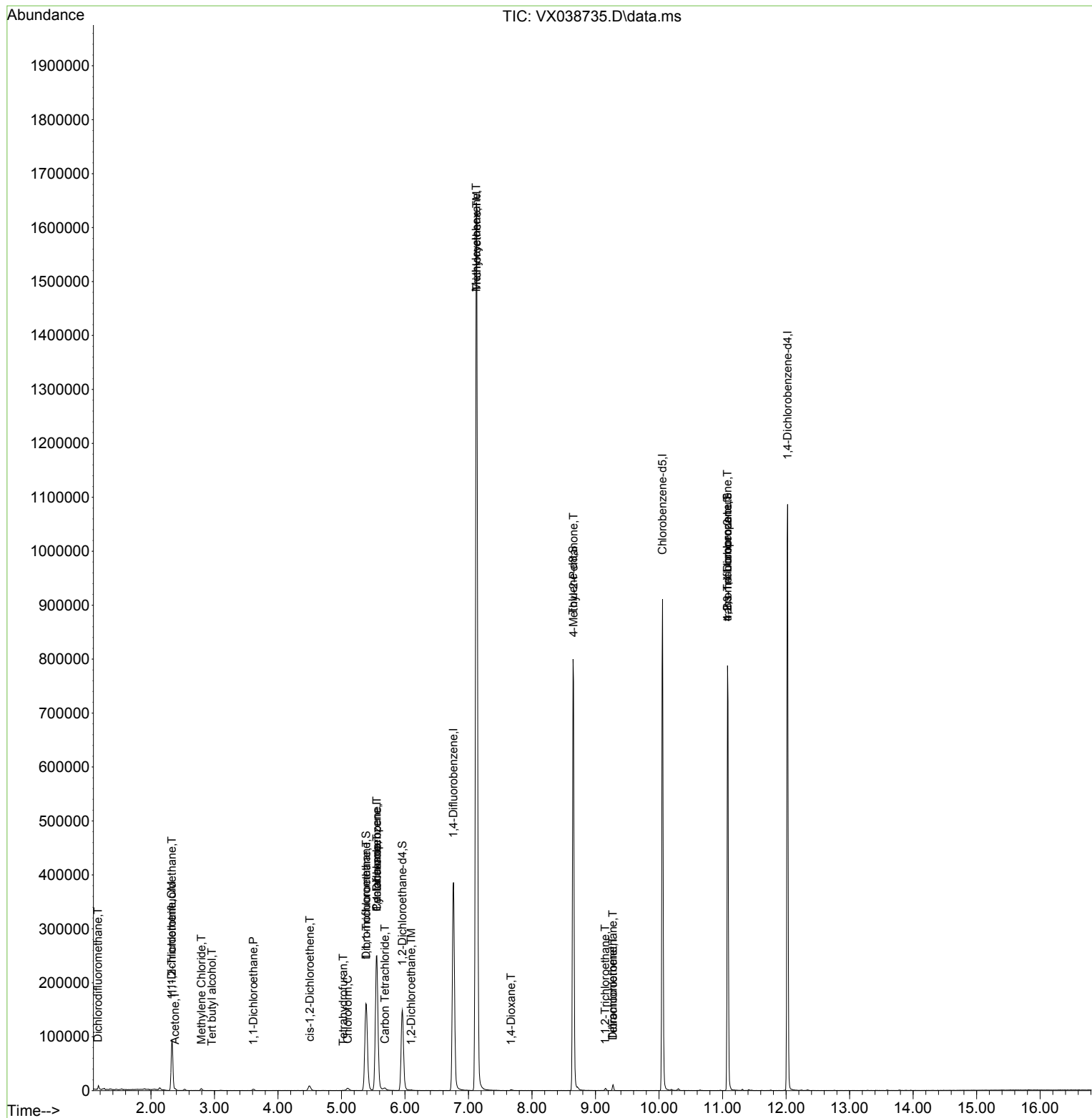
Internal Standards						
1) Pentafluorobenzene	5.556	168	261466	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	435874	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	453110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	254639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	150284	46.168	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.340%
35) Dibromofluoromethane	5.385	113	143075	45.575	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.160%
50) Toluene-d8	8.647	98	515897	45.924	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.840%#
62) 4-Bromofluorobenzene	11.079	95	217719	49.988	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.980%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	2823	1.040	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	32425	12.731	ug/l	89
11) Tert butyl alcohol	2.959	59	151	0.227	ug/l	# 78
12) 1,1-Dichloroethene	2.325	96	6651	2.726	ug/l	# 78
16) Acetone	2.380	43	2597	1.894	ug/l	# 83
20) Methylene Chloride	2.794	84	1934	0.700	ug/l	# 83
24) 1,1-Dichloroethane	3.611	63	3067	0.704	ug/l	# 93
27) cis-1,2-Dichloroethene	4.501	96	6365	2.075	ug/l	76
29) Tetrahydrofuran	5.025	42	318	0.257	ug/l	# 40
30) Chloroform	5.099	83	5633	1.102	ug/l	94
31) Cyclohexane	5.556	56	4117	1.143	ug/l	# 1
32) 1,1,1-Trichloroethane	5.391	97	1542	0.343	ug/l	# 47
36) 1,1-Dichloropropene	5.556	75	17006	4.361	ug/l	# 52
38) Carbon Tetrachloride	5.684	117	3509	0.805	ug/l	# 85
39) Methylcyclohexane	7.123	83	6739	1.382	ug/l	# 1
42) 1,2-Dichloroethane	6.098	62	1019	0.251	ug/l	84
44) Trichloroethene	7.129	130	694251	198.657	ug/l	91
49) 1,4-Dioxane	7.671	88	1520	22.635	ug/l	# 84
51) 4-Methyl-2-Pentanone	8.653	43	1822	0.457	ug/l	# 1
55) 1,1,2-Trichloroethane	9.153	97	1515	0.485	ug/l	# 84
60) Dibromochloromethane	9.275	129	1736	0.495	ug/l	# 11
64) Tetrachloroethene	9.275	164	2009	0.592	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	103657	20.554	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	103657	62.629	ug/l	# 5

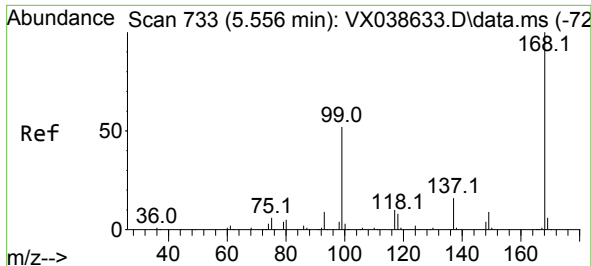
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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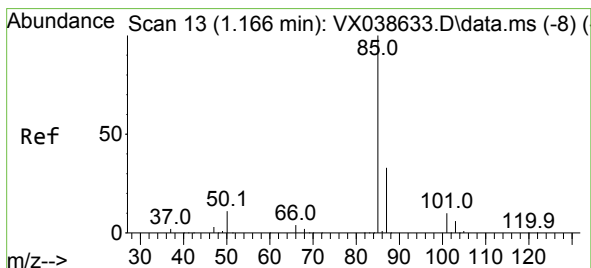
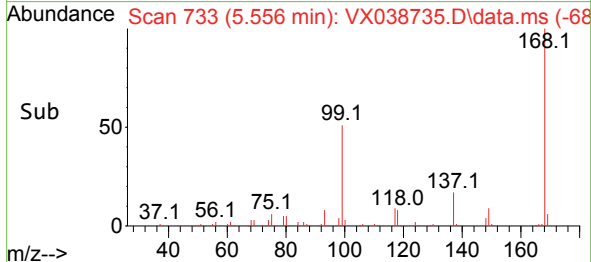
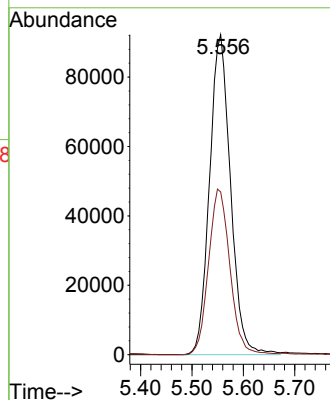
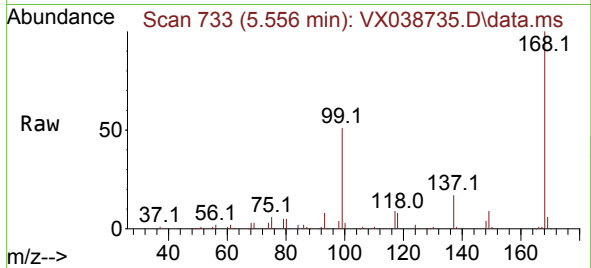




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

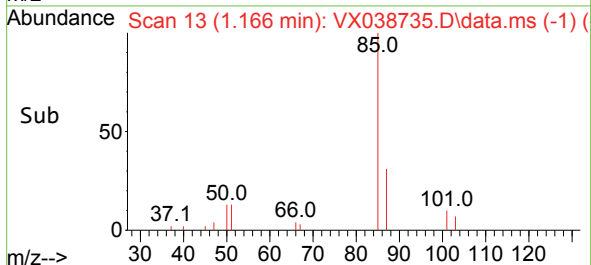
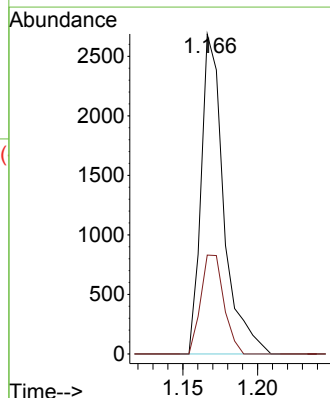
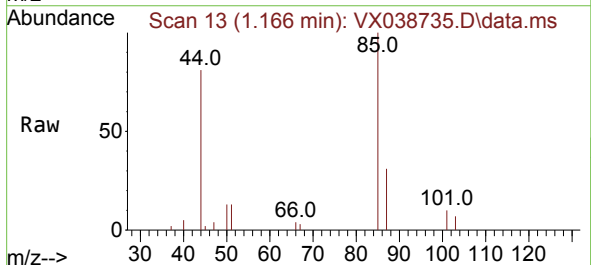
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

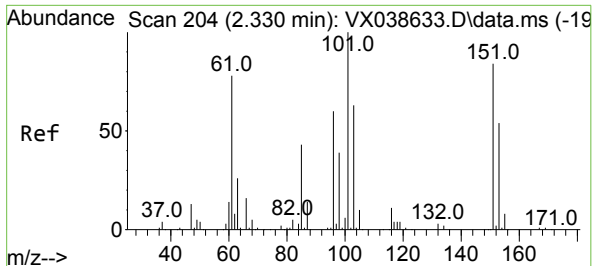
Tgt Ion:168 Resp: 261466
Ion Ratio Lower Upper
168 100
99 50.9 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 1.040 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 85 Resp: 2823
Ion Ratio Lower Upper
85 100
87 30.9 16.7 50.1

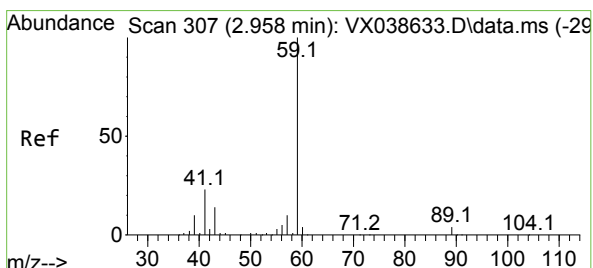
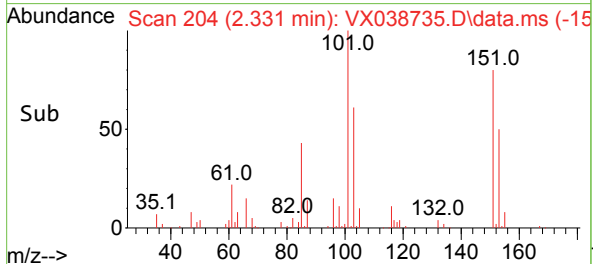
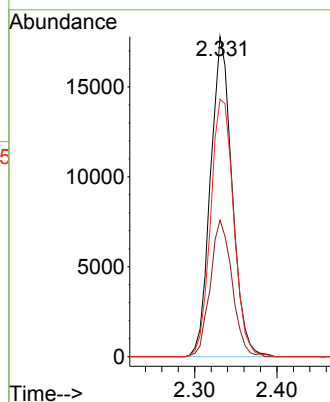
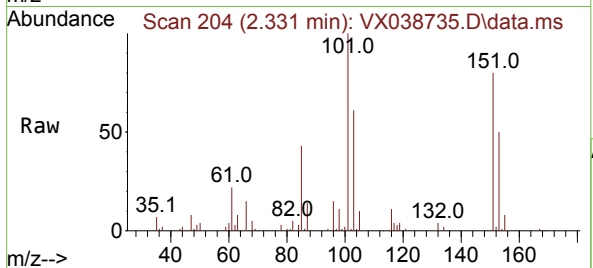




#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.731 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

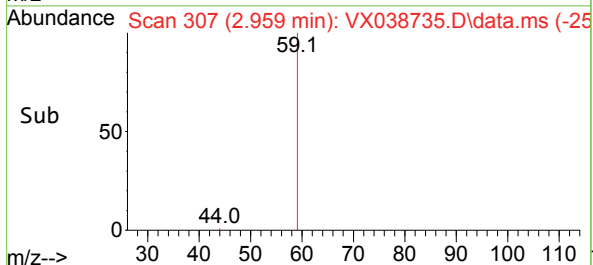
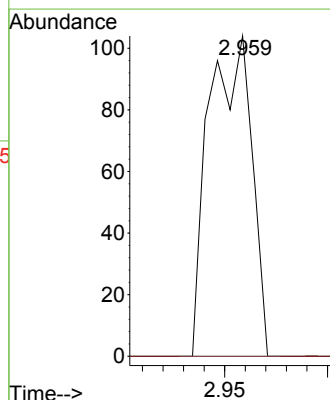
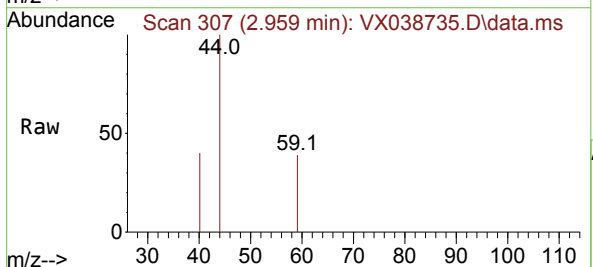
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

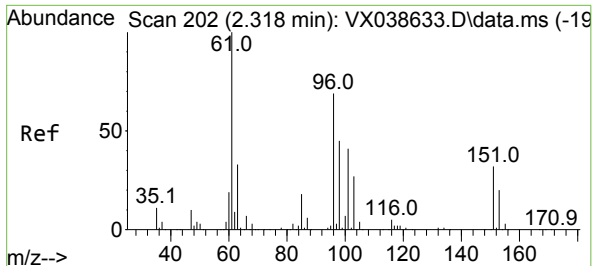
Tgt Ion:101 Resp: 32425
Ion Ratio Lower Upper
101 100
85 43.2 37.0 55.6
151 85.8 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.227 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 2.726 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038735.D

Acq: 10 Nov 2023 17:43

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20231108

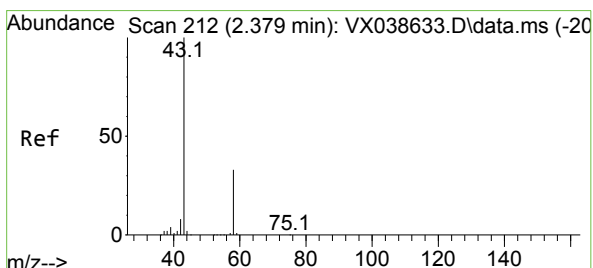
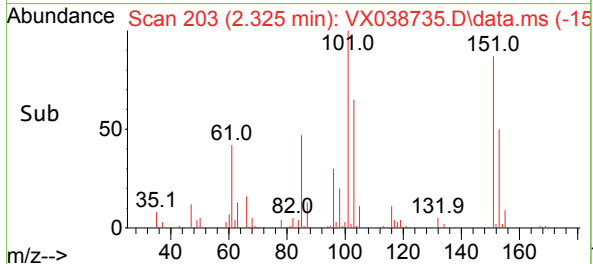
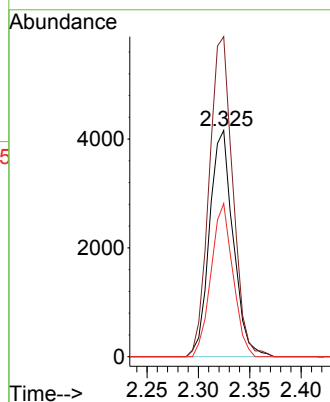
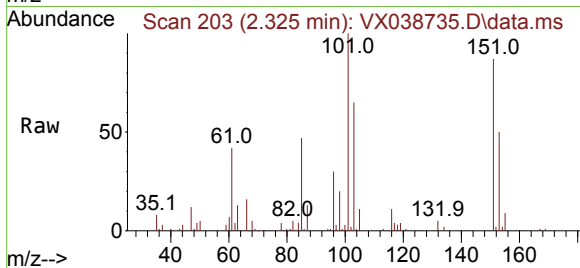
Tgt Ion: 96 Resp: 6651

Ion Ratio Lower Upper

96 100

61 141.5 144.6 216.8#

98 67.7 50.4 75.6



#16

Acetone

Concen: 1.894 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX038735.D

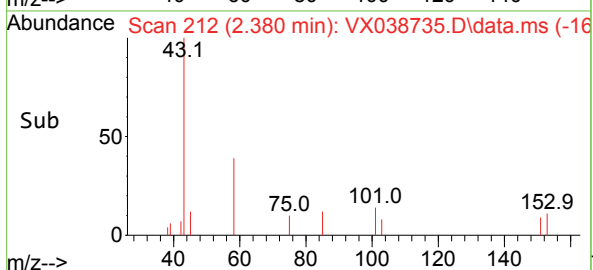
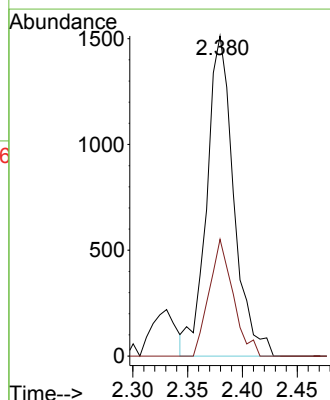
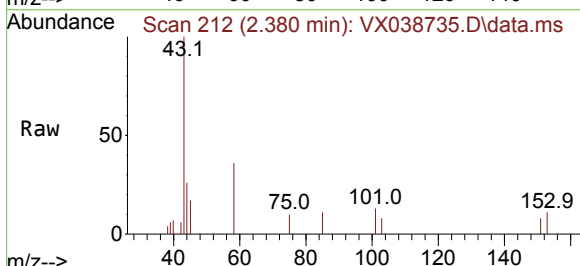
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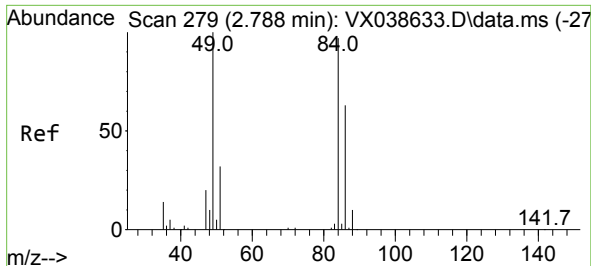
Tgt Ion: 43 Resp: 2597

Ion Ratio Lower Upper

43 100

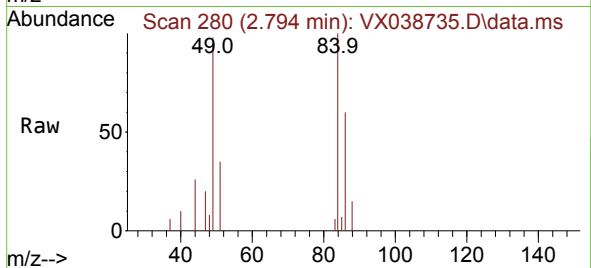
58 36.5 21.9 32.9#



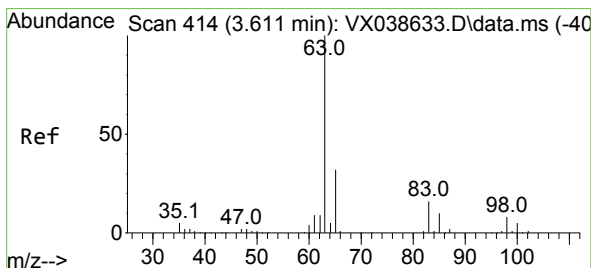
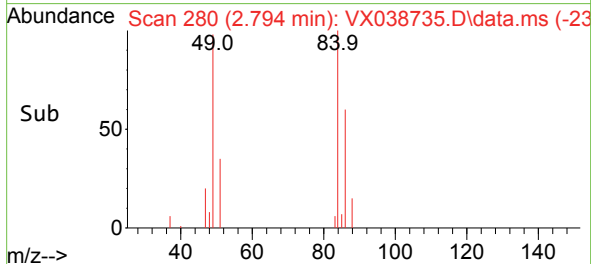
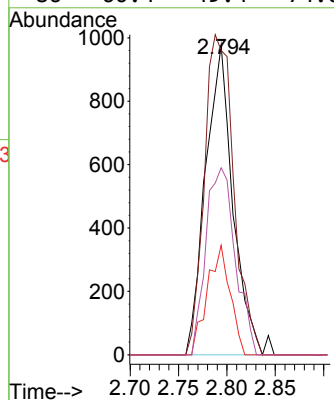


#20
Methylene Chloride
Concen: 0.700 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

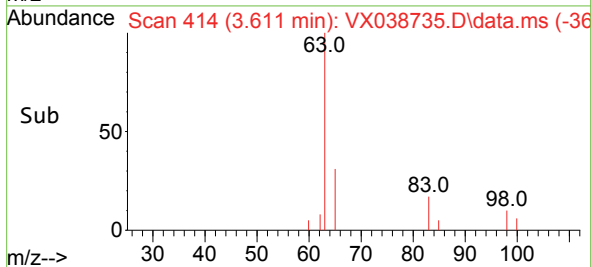
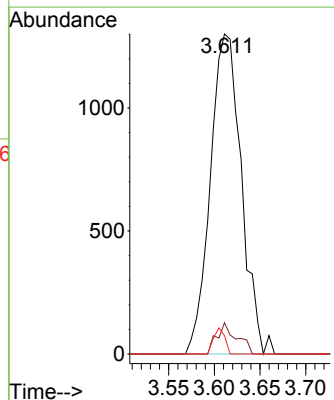
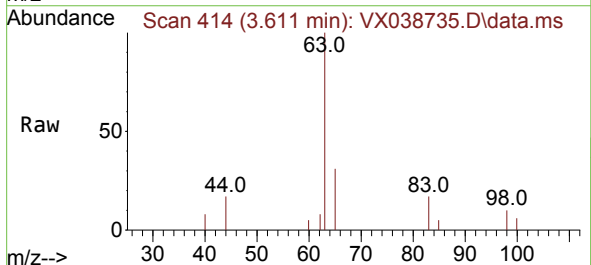


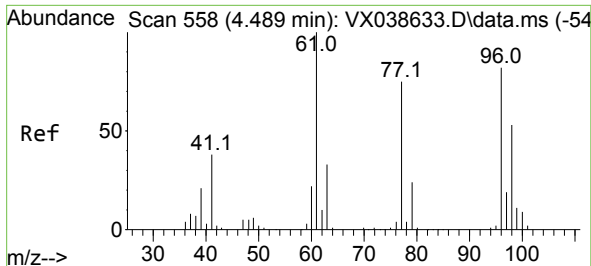
Tgt Ion:	84	Resp:	1934
Ion	Ratio	Lower	Upper
84	100		
49	98.3	103.6	155.4#
51	35.3	33.8	50.6
86	60.4	49.4	74.0



#24
1,1-Dichloroethane
Concen: 0.704 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion:	63	Resp:	3067
Ion	Ratio	Lower	Upper
63	100		
98	9.8	3.3	9.8#
100	5.7	2.1	6.5

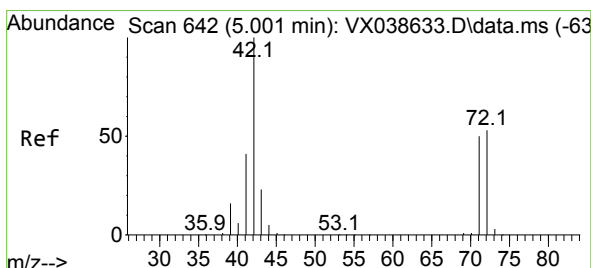
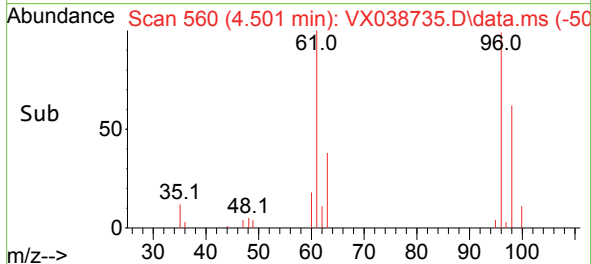
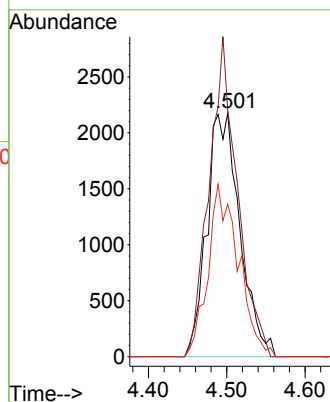
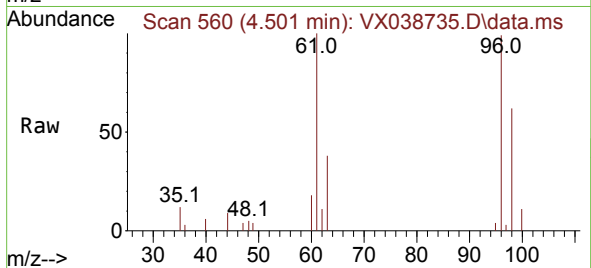




#27
cis-1,2-Dichloroethene
Concen: 2.075 ug/l
RT: 4.501 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

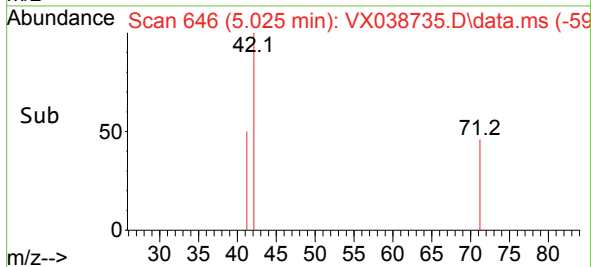
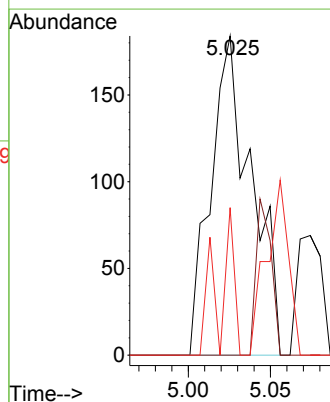
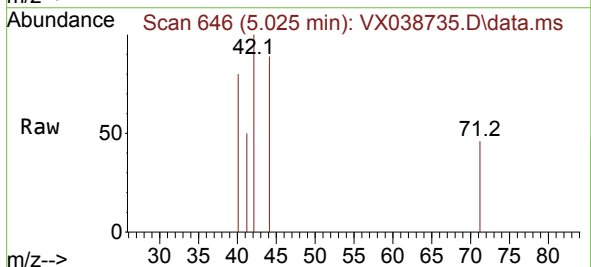
Instrument :
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ClientSampleId :
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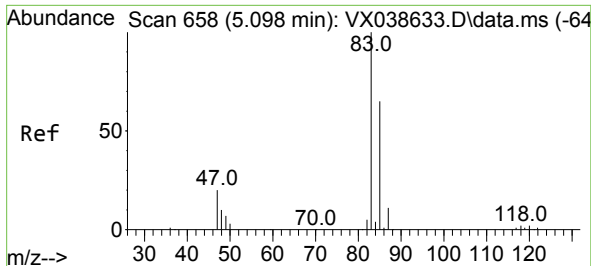
Tgt Ion: 96 Resp: 6365
Ion Ratio Lower Upper
96 100
61 112.4 0.0 312.2
98 65.4 0.0 129.0



#29
Tetrahydrofuran
Concen: 0.257 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.025 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 42 Resp: 318
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 7.9 32.2 48.2#

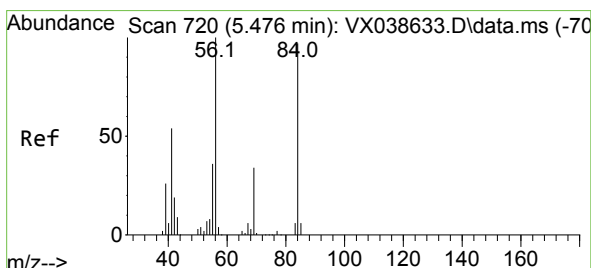
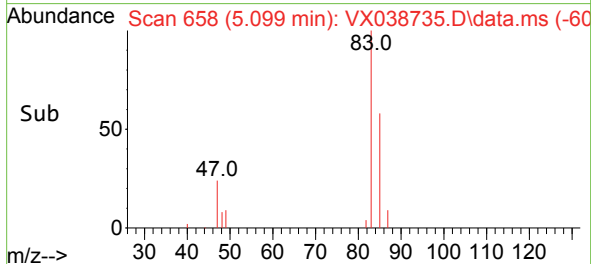
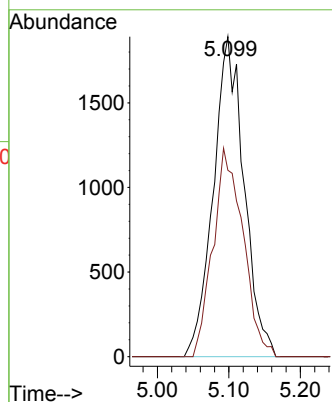
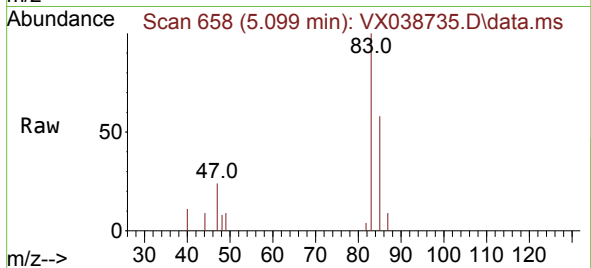




#30
Chloroform
Concen: 1.102 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

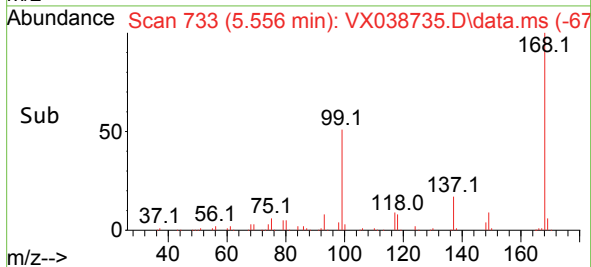
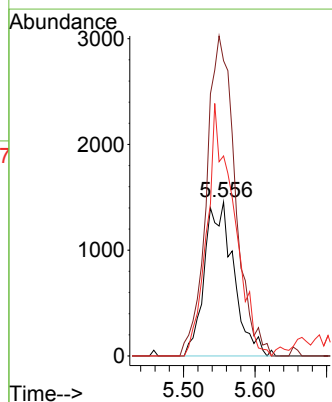
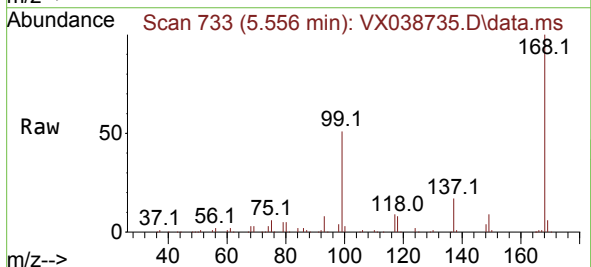
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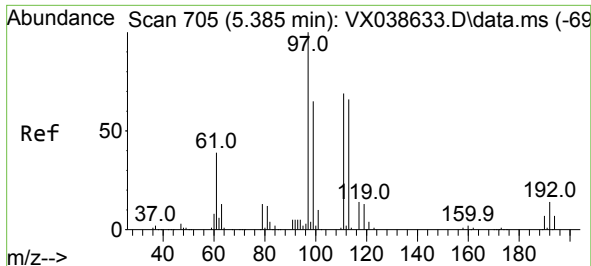
Tgt Ion: 83 Resp: 5633
Ion Ratio Lower Upper
83 100
85 58.2 50.3 75.5



#31
Cyclohexane
Concen: 1.143 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 56 Resp: 4117
Ion Ratio Lower Upper
56 100
69 191.8 23.4 35.2#
84 129.9 65.9 98.9#

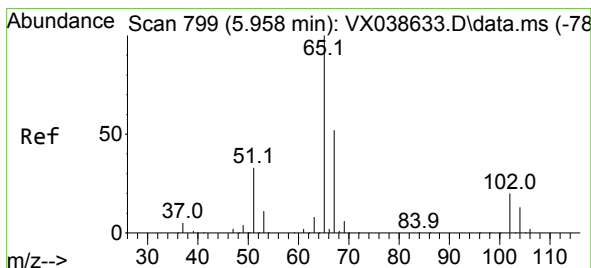
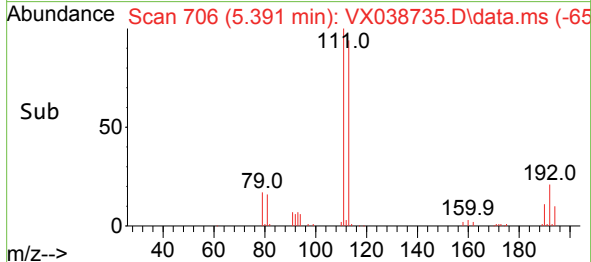
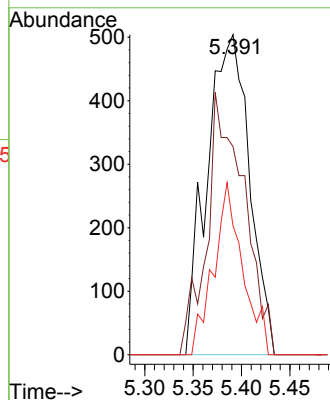
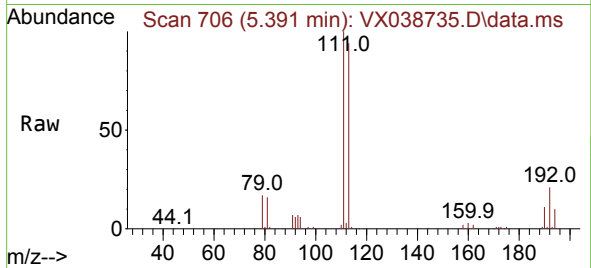




#32
 1,1,1-Trichloroethane
 Concen: 0.343 ug/l
 RT: 5.391 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX038735.D
 Acq: 10 Nov 2023 17:43

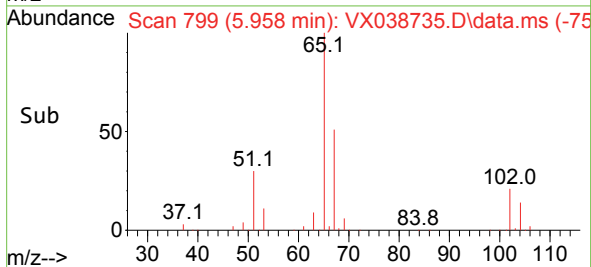
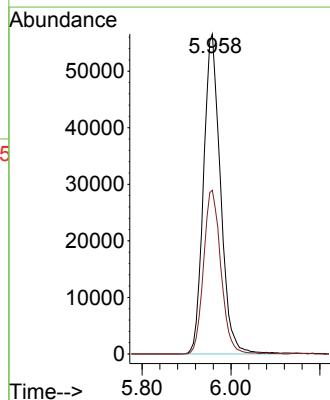
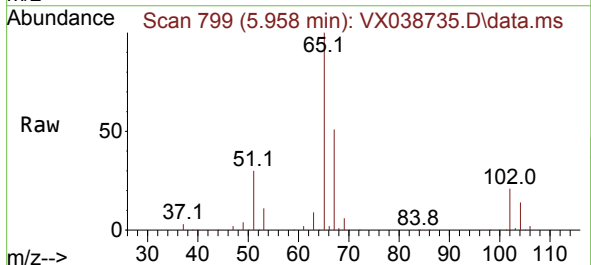
Instrument :
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 RE132D5-20231108

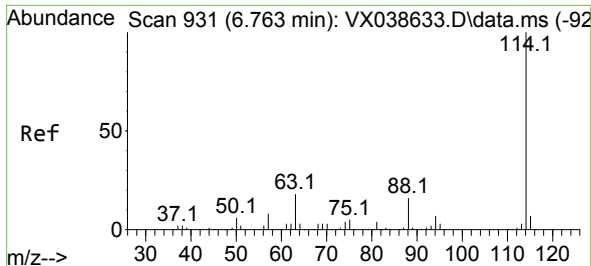
Tgt Ion: 97 Resp: 1542
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.1 76.7#
 61 36.7 36.4 54.6



#33
 1,2-Dichloroethane-d4
 Concen: 46.168 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038735.D
 Acq: 10 Nov 2023 17:43

Tgt Ion: 65 Resp: 150284
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 100.2

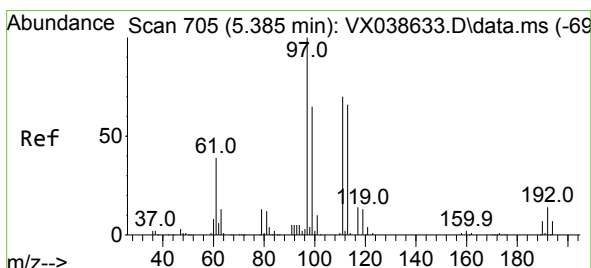
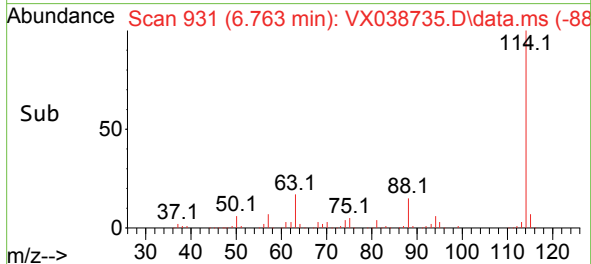
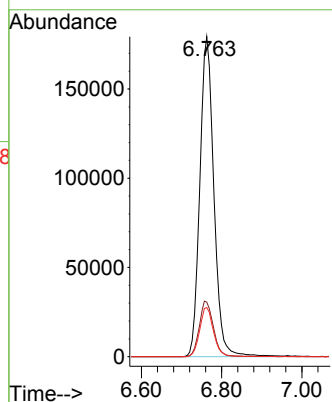
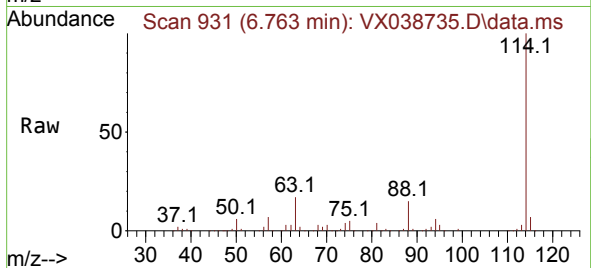




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

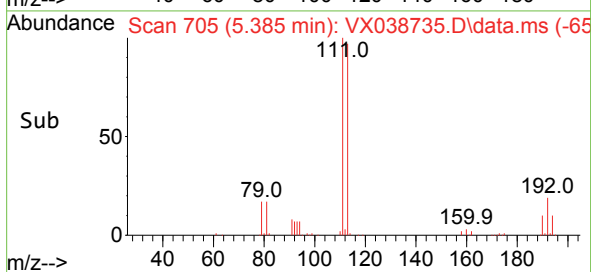
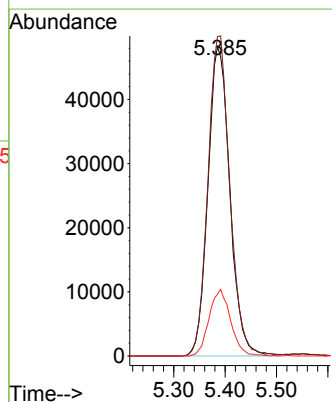
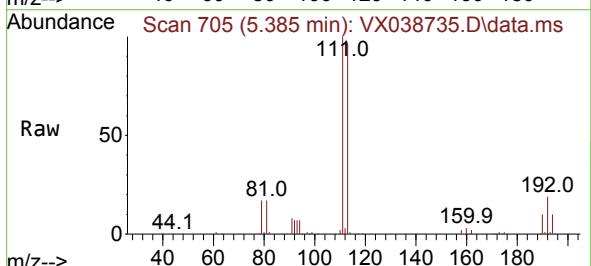
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

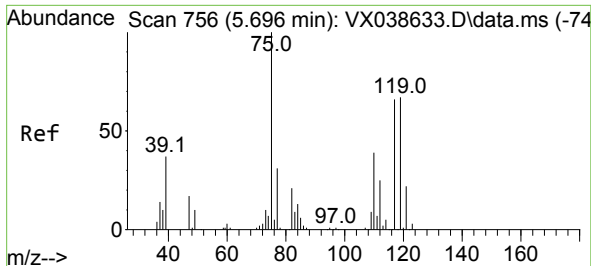
Tgt Ion:114 Resp: 435874
Ion Ratio Lower Upper
114 100
63 17.1 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.575 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion:113 Resp: 143075
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 21.1 13.3 19.9#

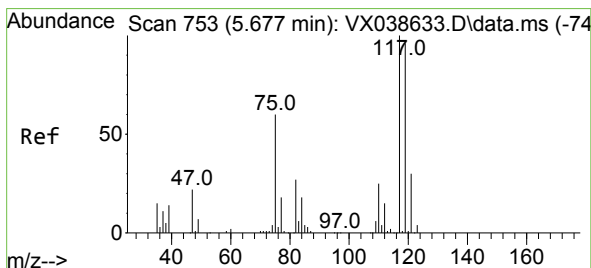
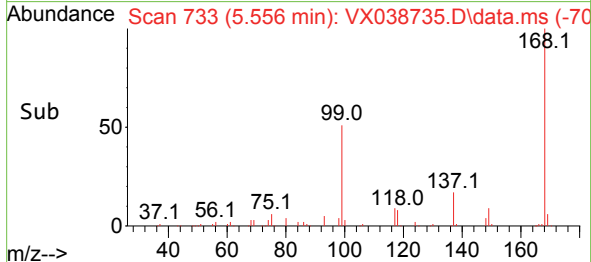
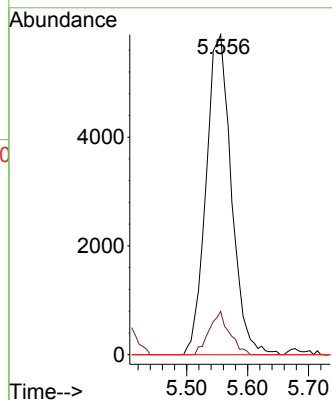
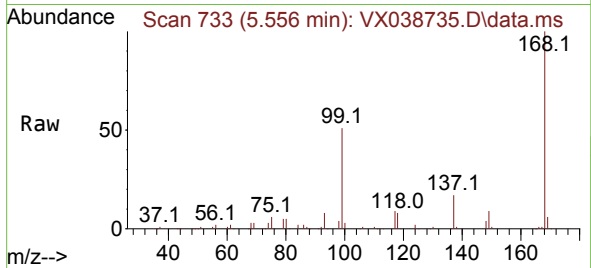




#36
1,1-Dichloropropene
Concen: 4.361 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

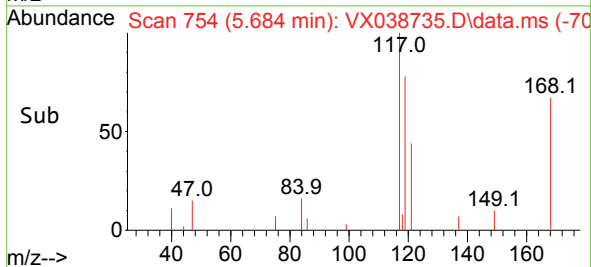
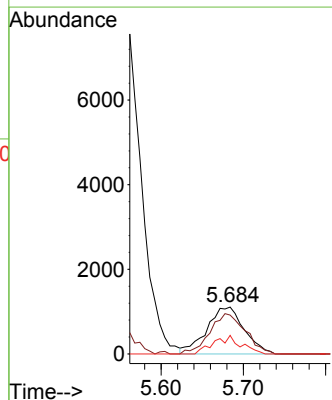
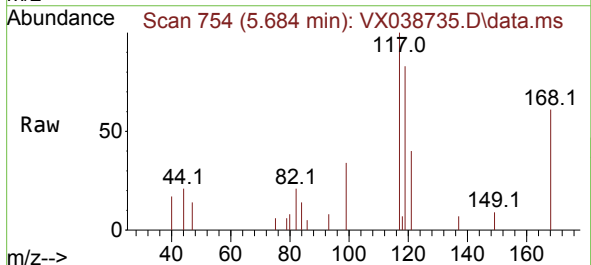
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

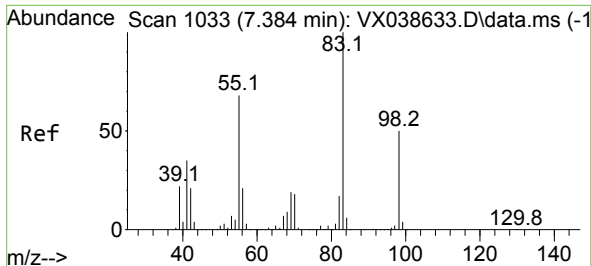
Tgt Ion: 75 Resp: 17006
Ion Ratio Lower Upper
75 100
110 10.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.805 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 117 Resp: 3509
Ion Ratio Lower Upper
117 100
119 83.0 78.2 117.2
121 39.6 24.4 36.6#

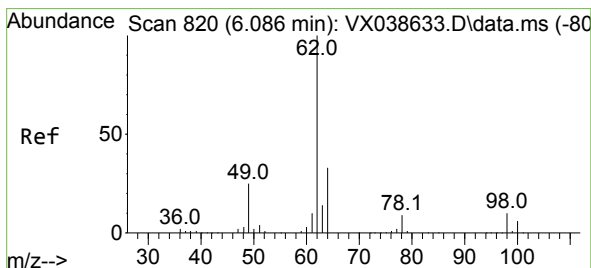
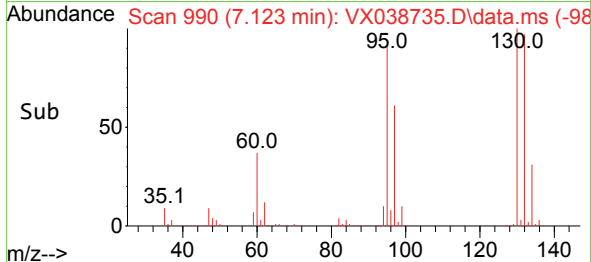
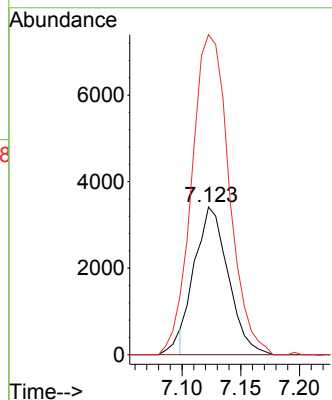
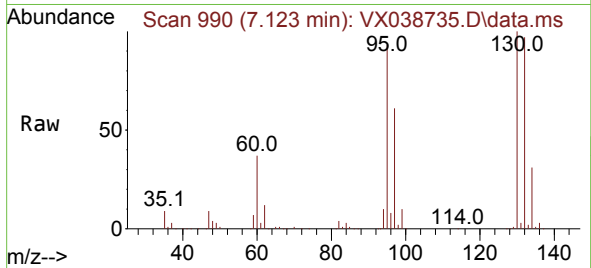




#39
Methylcyclohexane
Concen: 1.382 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.262 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

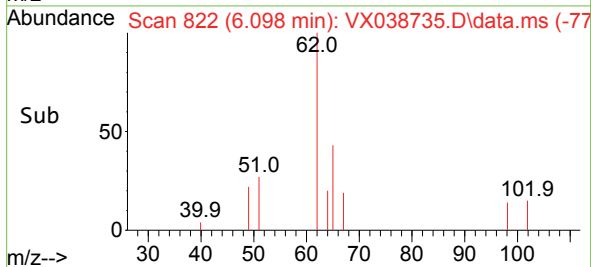
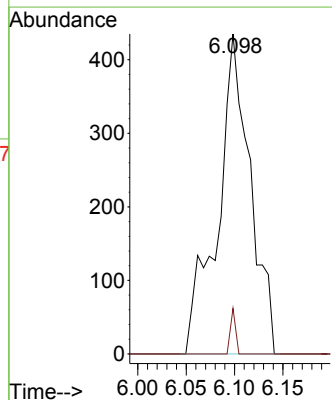
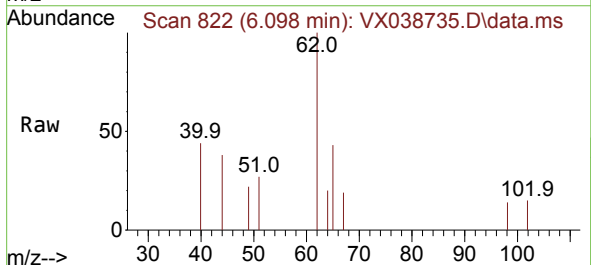
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

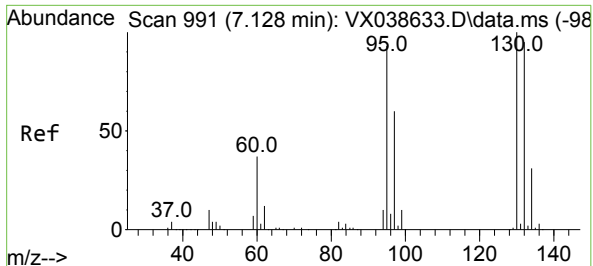
Tgt Ion: 83 Resp: 6739
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 216.7 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.251 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 62 Resp: 1019
Ion Ratio Lower Upper
62 100
98 2.3 0.0 16.0

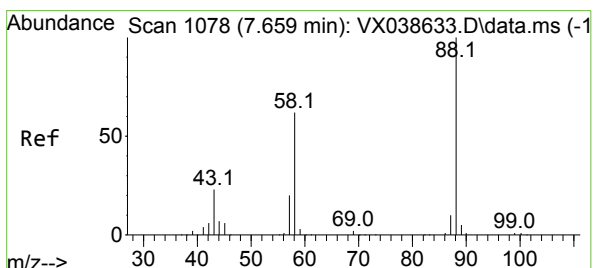
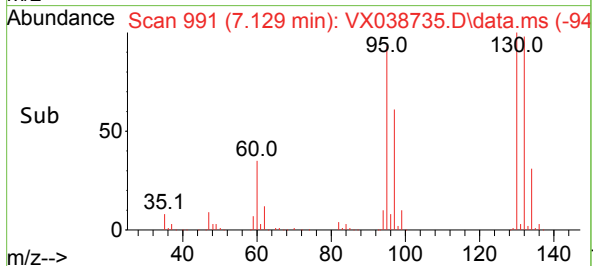
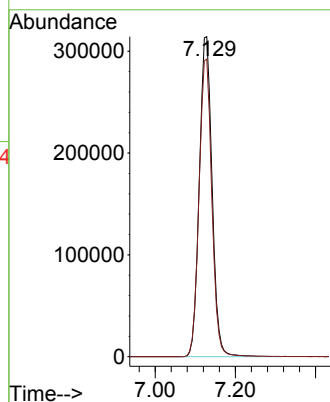
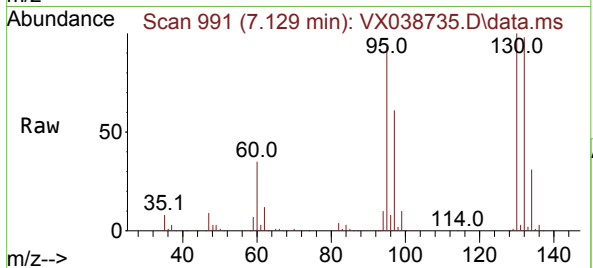




#44
Trichloroethene
Concen: 198.657 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

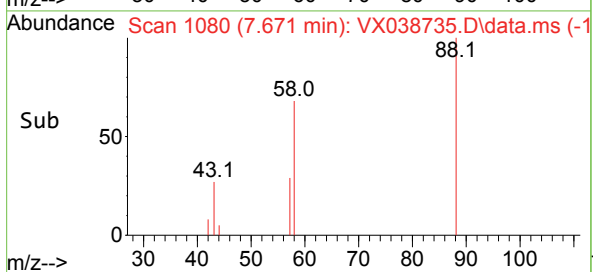
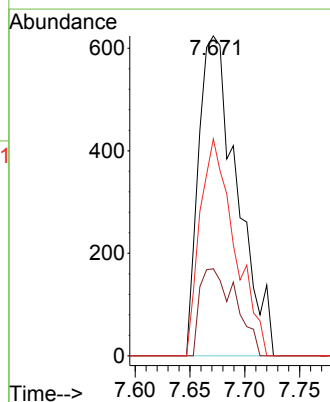
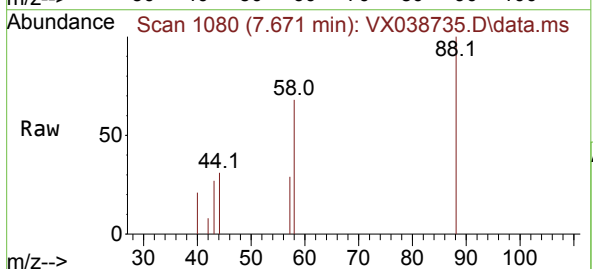
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

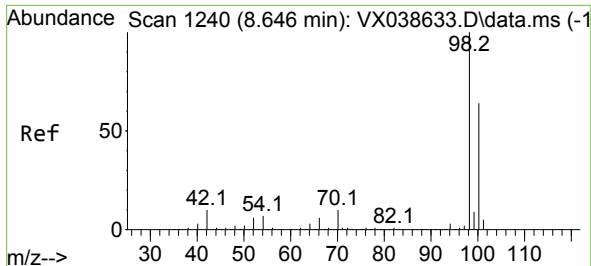
Tgt Ion:130 Resp: 694251
Ion Ratio Lower Upper
130 100
95 93.0 0.0 204.4



#49
1,4-Dioxane
Concen: 22.635 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 88 Resp: 1520
Ion Ratio Lower Upper
88 100
43 25.5 0.0 0.0#
58 61.4 60.1 90.1

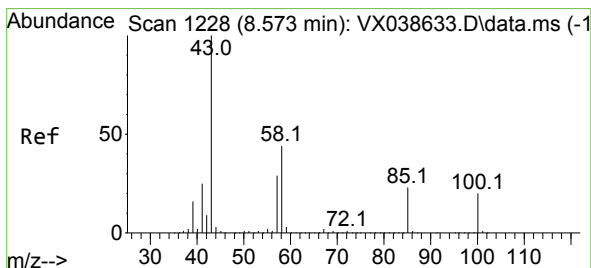
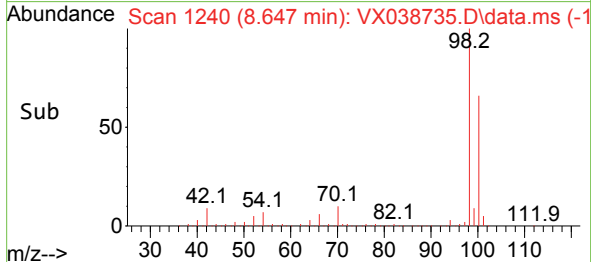
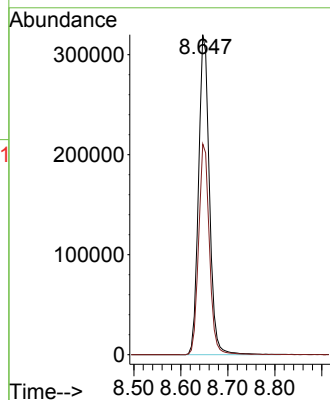
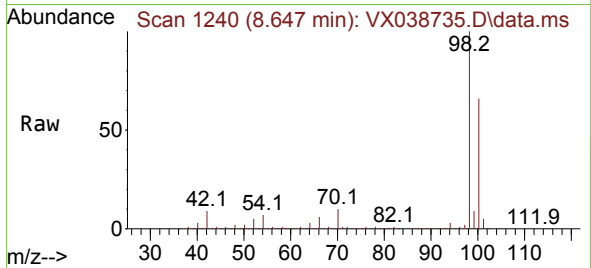




#50
Toluene-d8
Concen: 45.924 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

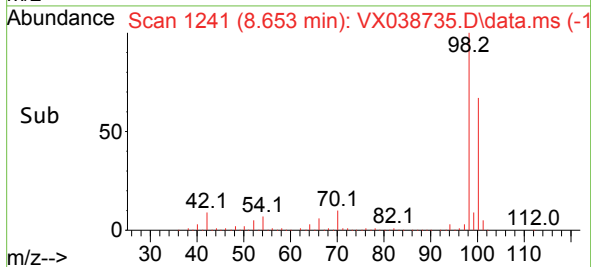
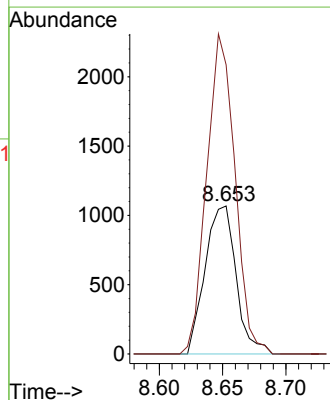
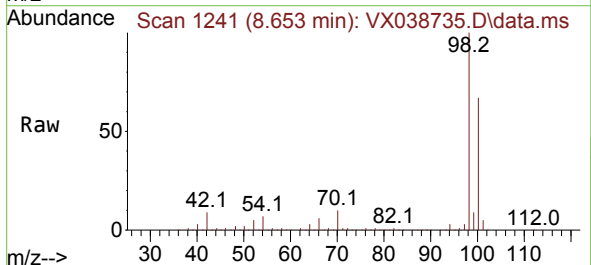
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

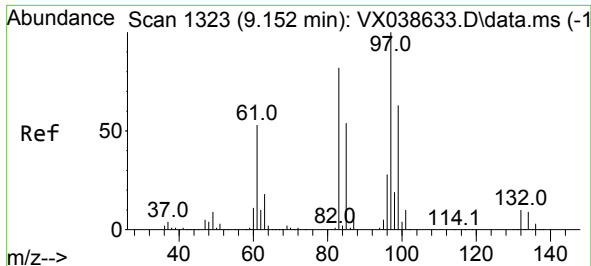
Tgt Ion: 98 Resp: 515897
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
58 197.4 30.4 45.6#

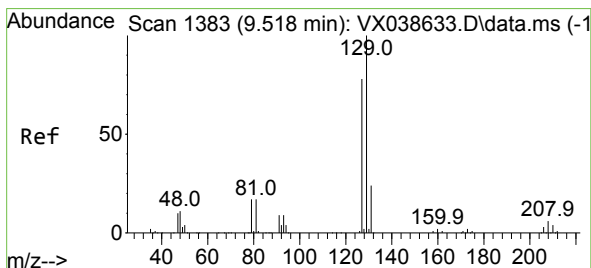
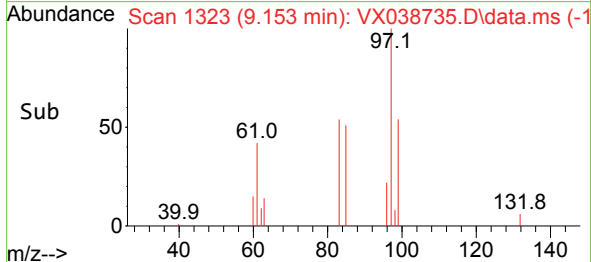
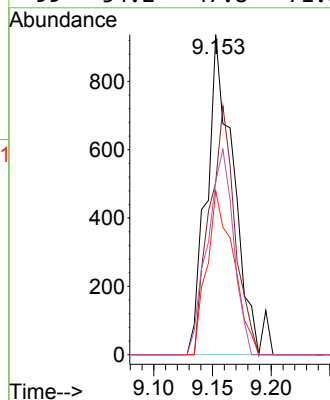
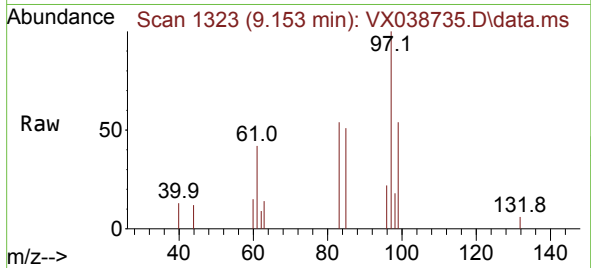




#55
 1,1,2-Trichloroethane
 Concen: 0.485 ug/l
 RT: 9.153 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038735.D
 Acq: 10 Nov 2023 17:43

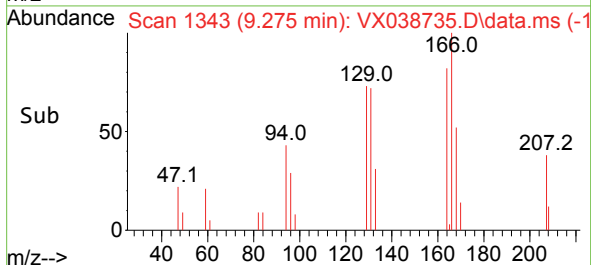
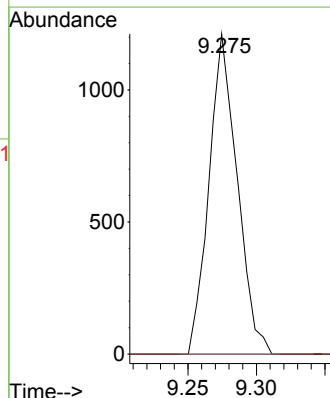
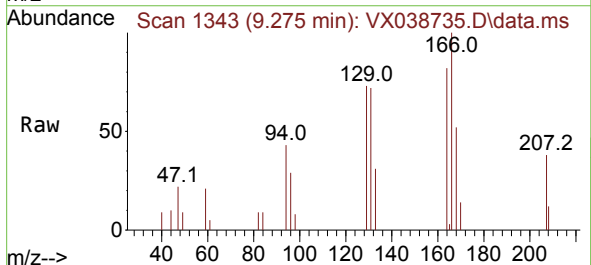
Instrument :
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 ClientSampleId :
 RE132D5-20231108

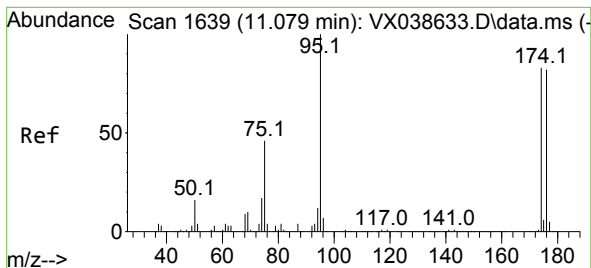
Tgt Ion: 97	Resp: 1515
Ion Ratio	Lower Upper
97 100	
83 53.9	65.8 98.8#
85 51.2	41.6 62.4
99 54.2	47.8 71.8



#60
 Dibromochloromethane
 Concen: 0.495 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX038735.D
 Acq: 10 Nov 2023 17:43

Tgt Ion:129	Resp:	1736	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.8	116.4#

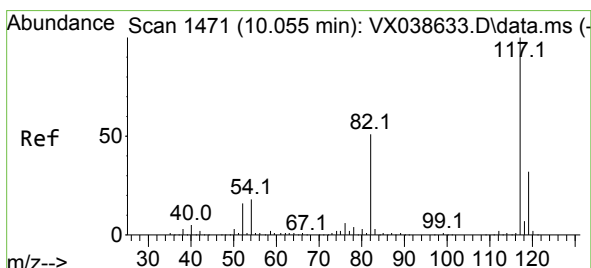
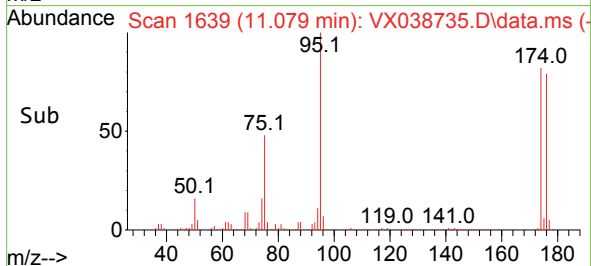
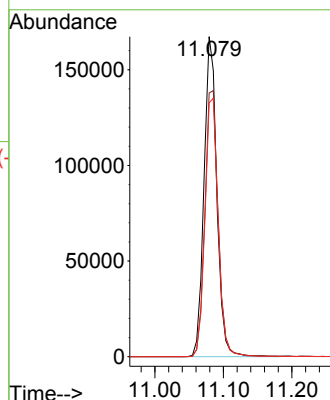
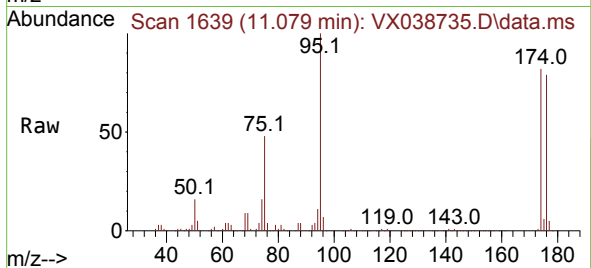




#62
4-Bromofluorobenzene
Concen: 49.988 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

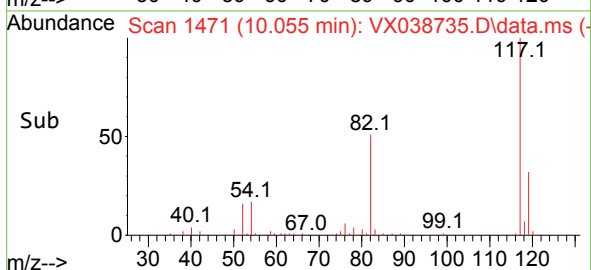
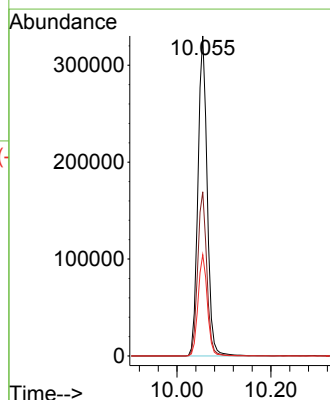
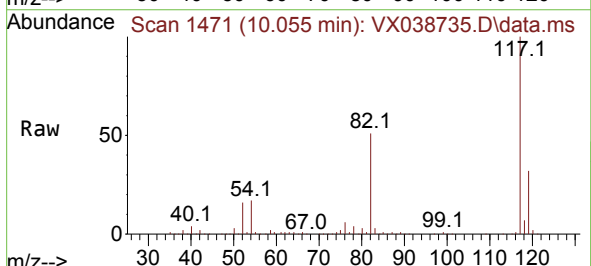
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

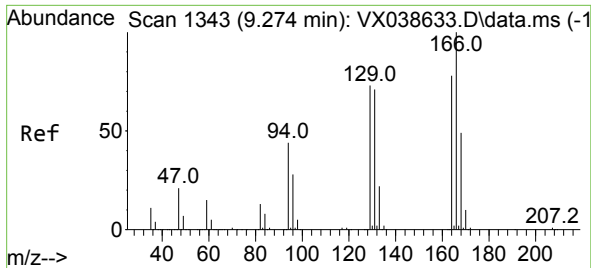
Tgt Ion: 95 Resp: 217719
Ion Ratio Lower Upper
95 100
174 86.8 0.0 135.6
176 83.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 117 Resp: 453110
Ion Ratio Lower Upper
117 100
82 51.3 46.2 69.4
119 31.7 25.5 38.3

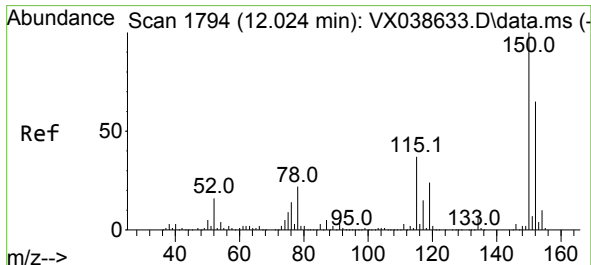
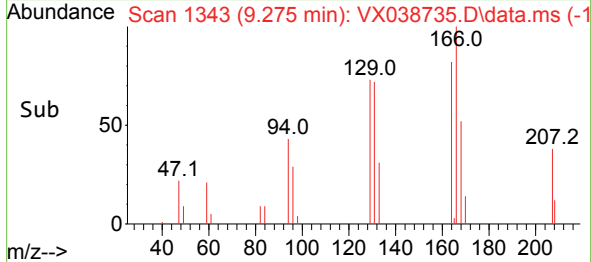
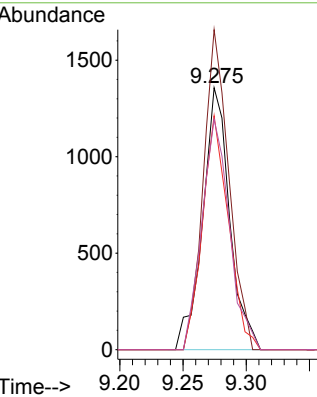
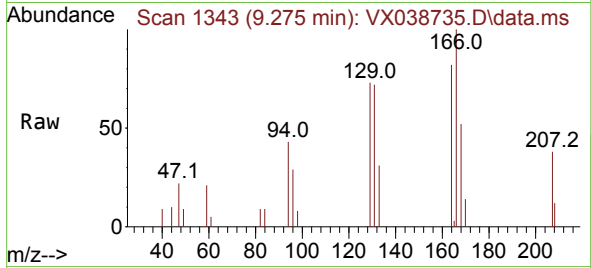




#64
Tetrachloroethene
Concen: 0.592 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

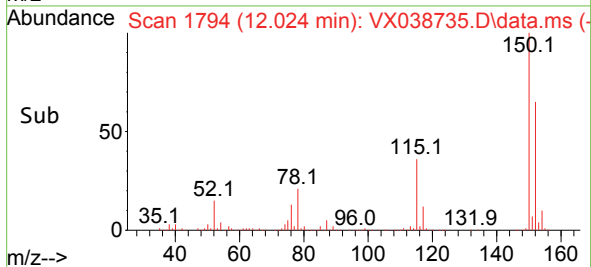
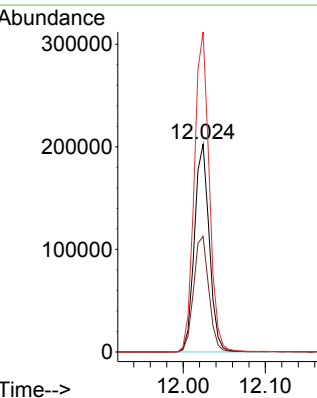
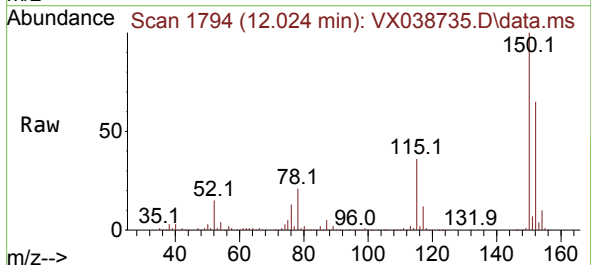
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

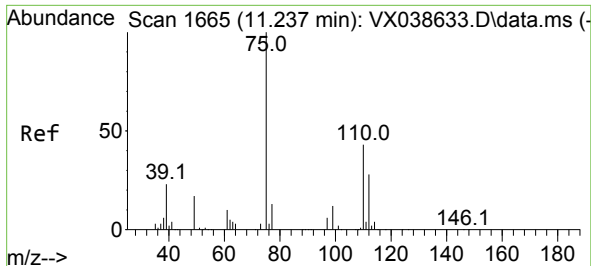
Tgt Ion:	164	Resp:	2009
Ion	Ratio	Lower	Upper
164	100		
166	122.2	102.7	154.1
129	89.3	80.4	120.6
131	88.0	76.5	114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion:	152	Resp:	254639
Ion	Ratio	Lower	Upper
152	100		
115	57.1	43.3	129.9
150	154.9	0.0	345.0

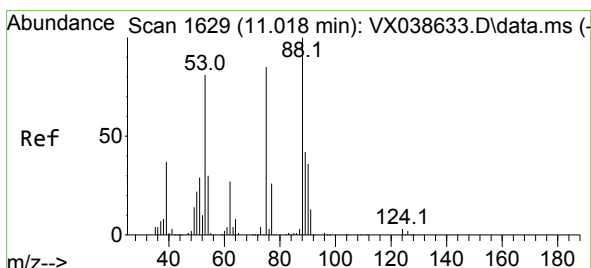
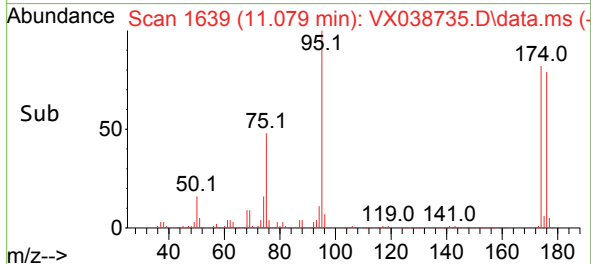
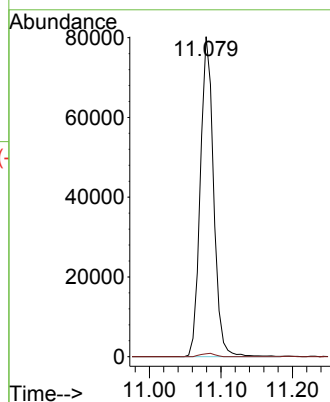
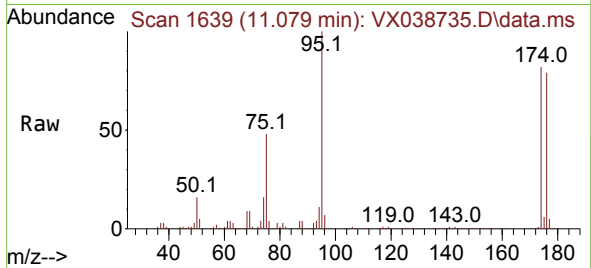




#76
1,2,3-Trichloropropane
Concen: 20.554 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20231108

Tgt Ion: 75 Resp: 103657
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.629 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038735.D
Acq: 10 Nov 2023 17:43

Tgt Ion: 75 Resp: 103657
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

