

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037322.D
 Acq On : 29 Aug 2023 05:58
 Operator : JC/MD
 Sample : 04126-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20230821

Quant Time: Aug 29 07:21:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

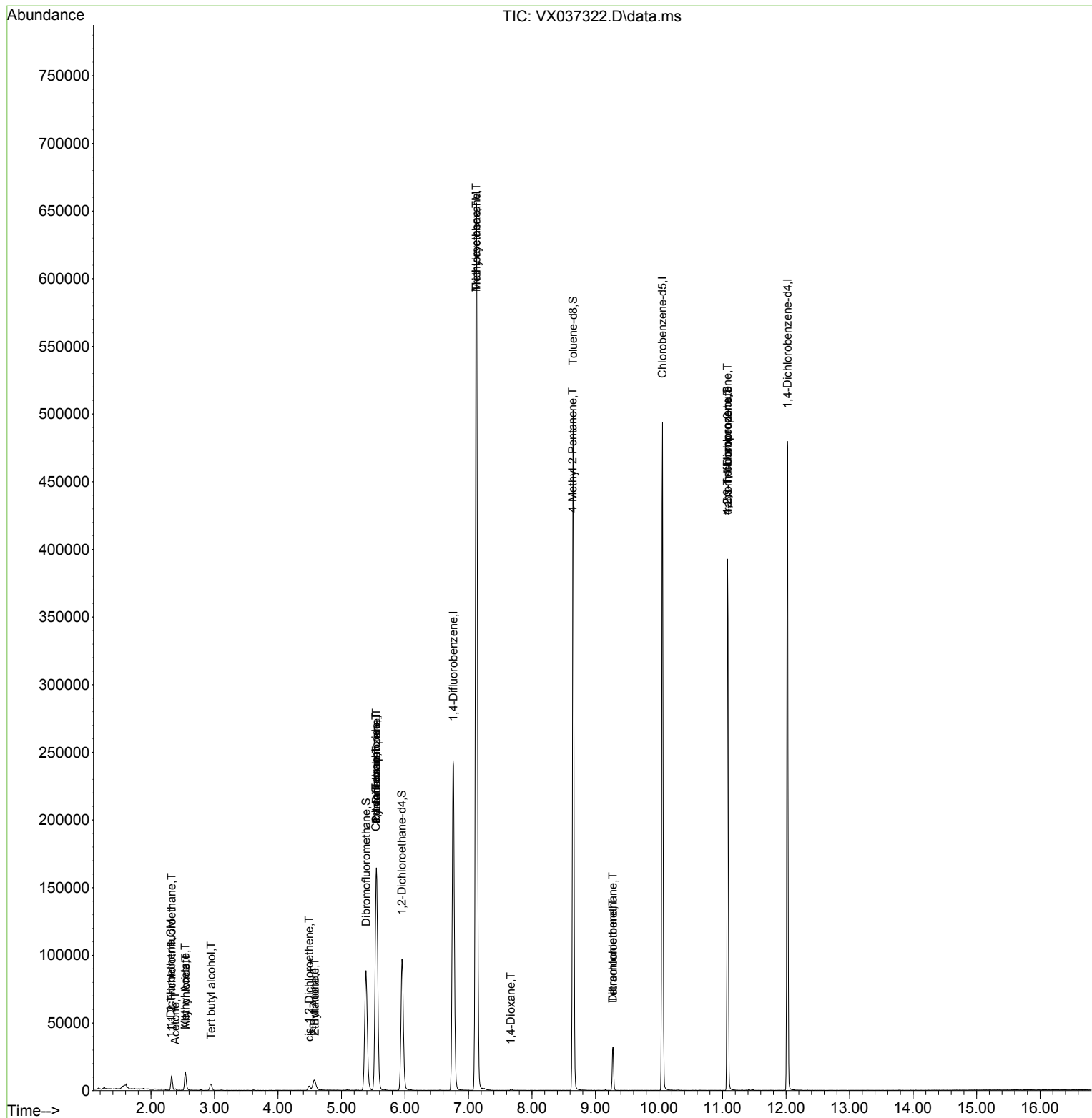
Internal Standards						
1) Pentafluorobenzene	5.550	168	156915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259013	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97461	43.082	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.160%
35) Dibromofluoromethane	5.385	113	78710	45.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.760%
50) Toluene-d8	8.647	98	302254	48.576	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.160%
62) 4-Bromofluorobenzene	11.079	95	110625	45.240	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.480%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	3825	2.306	ug/l	94
11) Tert butyl alcohol	2.946	59	3030	5.710	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	757	0.469	ug/l #	76
14) Allyl chloride	2.544	41	1428	0.571	ug/l #	69
16) Acetone	2.386	43	940	1.062	ug/l	96
18) Methyl Acetate	2.538	43	4234	1.271	ug/l #	53
25) 2-Butanone	4.574	43	535	0.401	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	2594	1.198	ug/l	73
31) Cyclohexane	5.550	56	2971	1.168	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12767	5.239	ug/l #	51
37) Ethyl Acetate	4.574	43	535	0.215	ug/l #	15
38) Carbon Tetrachloride	5.544	117	16520	6.240	ug/l #	16
39) Methylcyclohexane	7.123	83	3153	1.231	ug/l #	1
44) Trichloroethene	7.123	130	267971	135.207	ug/l	97
49) 1,4-Dioxane	7.665	88	894	17.222	ug/l #	90
51) 4-Methyl-2-Pentanone	8.641	43	1101	0.459	ug/l #	1
60) Dibromochloromethane	9.275	129	6088	3.041	ug/l #	11
64) Tetrachloroethene	9.275	164	6101	3.656	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	55128	25.541	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	55128	71.338	ug/l #	5

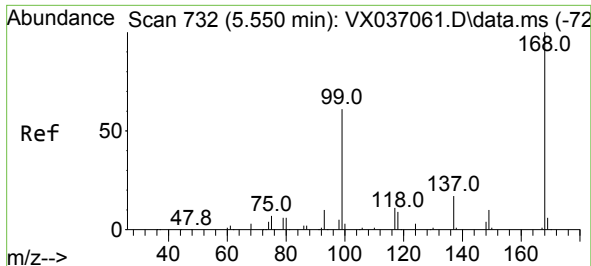
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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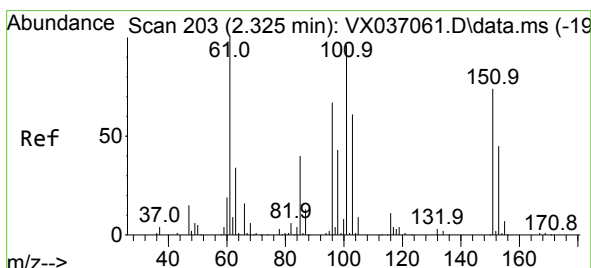
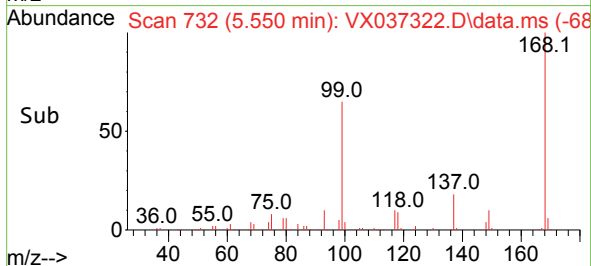
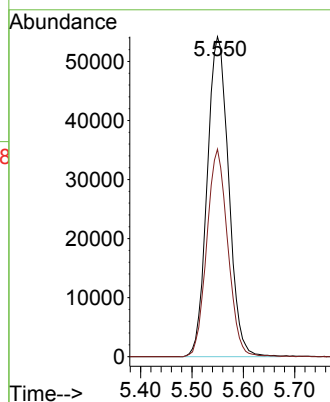
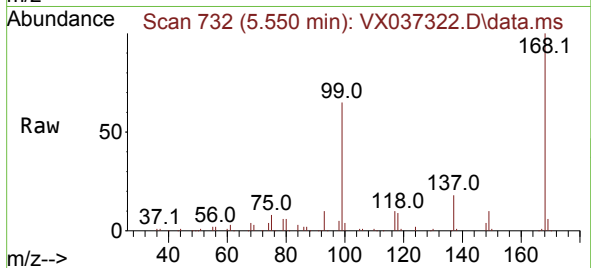




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

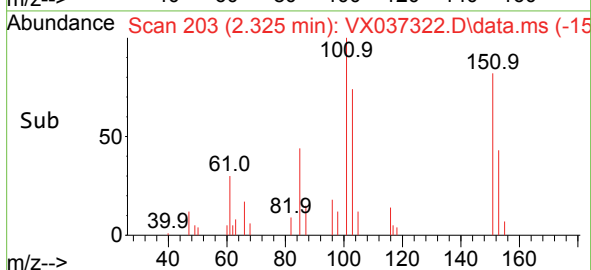
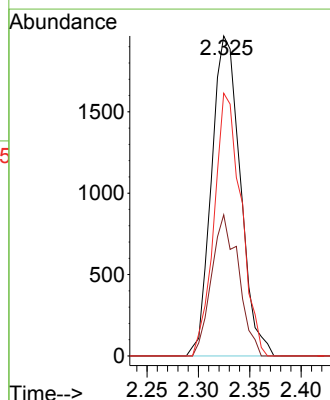
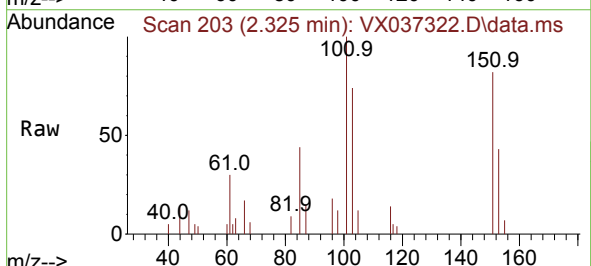
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230821

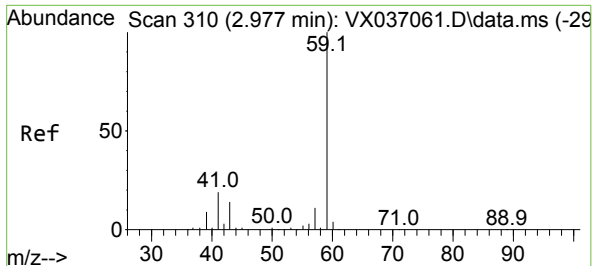
Tgt Ion:168 Resp: 156915
Ion Ratio Lower Upper
168 100
99 64.8 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.306 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion:101 Resp: 3825
Ion Ratio Lower Upper
101 100
85 41.4 37.0 55.6
151 77.1 58.6 87.8

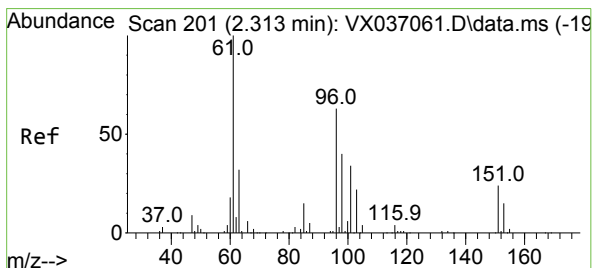
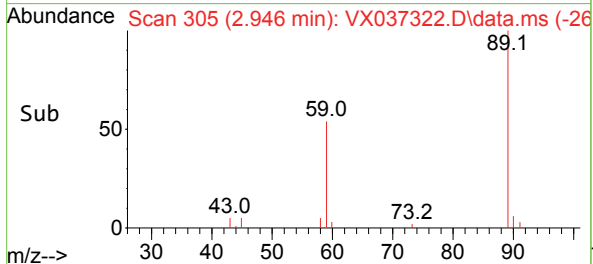
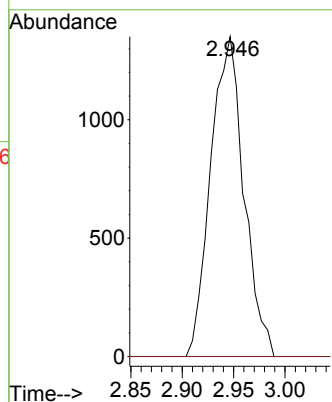
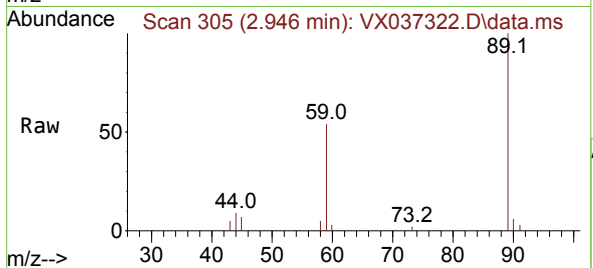




#11
Tert butyl alcohol
Concen: 5.710 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

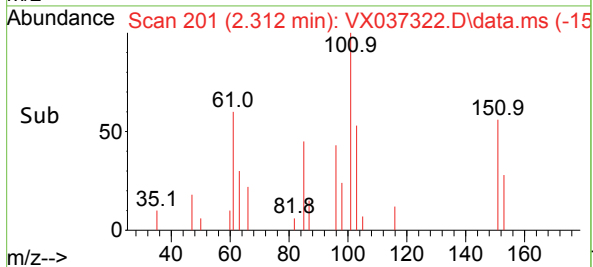
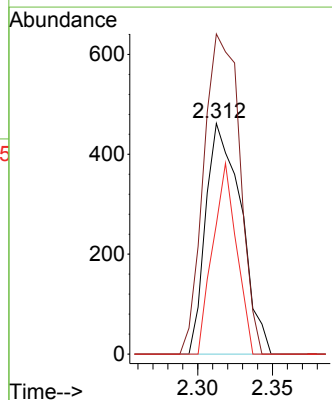
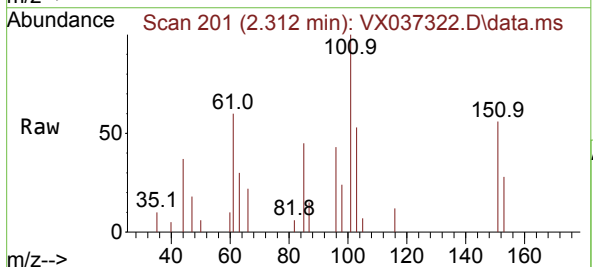
Instrument :
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ClientSampleId :
RE132D4-20230821

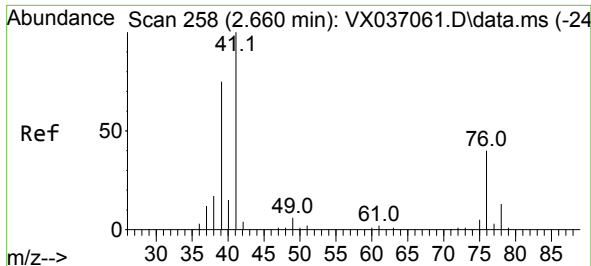
Tgt Ion: 59 Resp: 3030
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 0.469 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion: 96 Resp: 757
Ion Ratio Lower Upper
96 100
61 138.7 144.6 216.8#
98 56.3 50.4 75.6

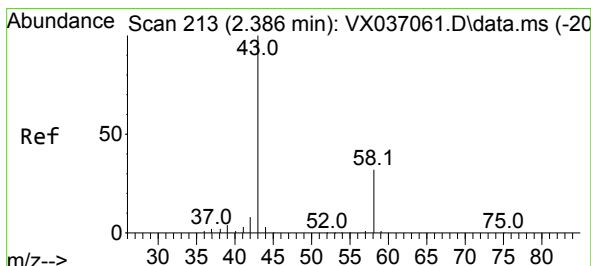
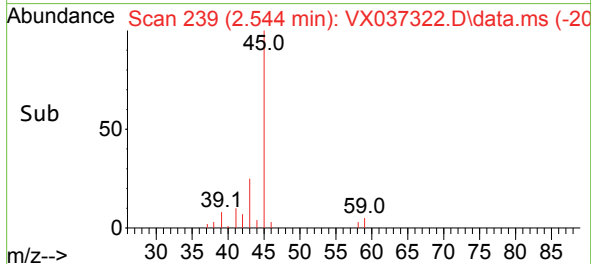
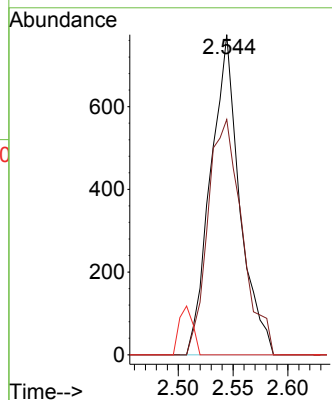
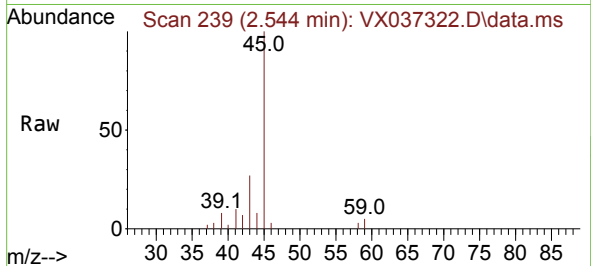




#14
 Allyl chloride
 Concen: 0.571 ug/l
 RT: 2.544 min Scan# 213
 Delta R.T. -0.116 min
 Lab File: VX037322.D
 Acq: 29 Aug 2023 05:58

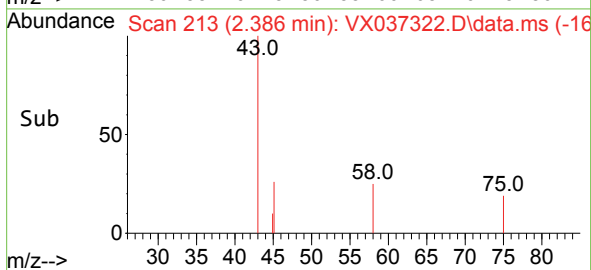
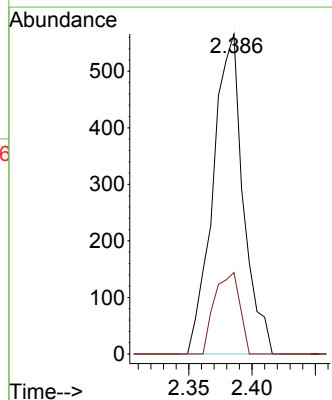
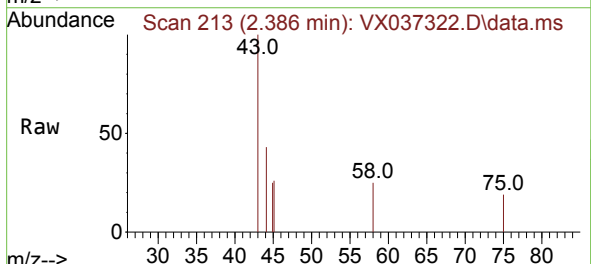
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20230821

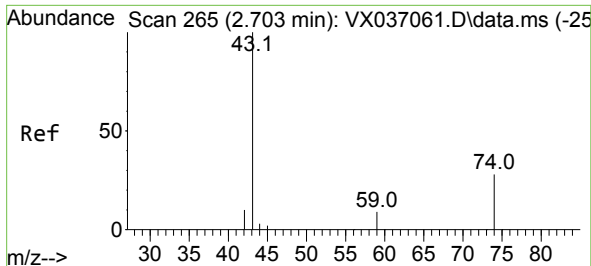
Tgt Ion: 41 Resp: 1428
 Ion Ratio Lower Upper
 41 100
 39 86.6 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 1.062 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX037322.D
 Acq: 29 Aug 2023 05:58

Tgt Ion: 43 Resp: 940
 Ion Ratio Lower Upper
 43 100
 58 25.4 21.9 32.9

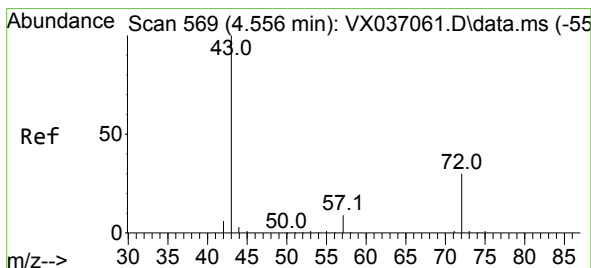
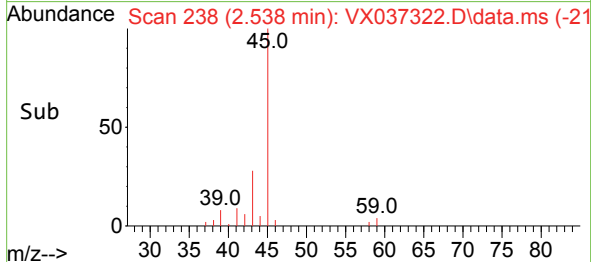
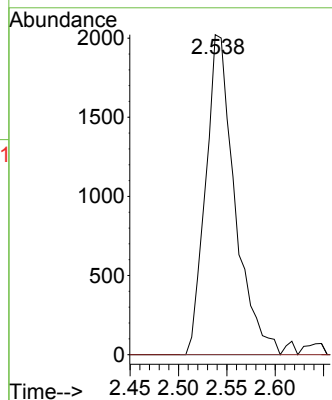
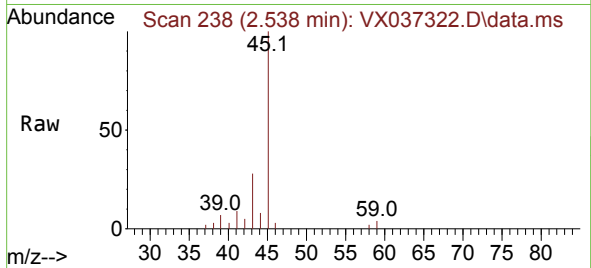




#18
Methyl Acetate
Concen: 1.271 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.165 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

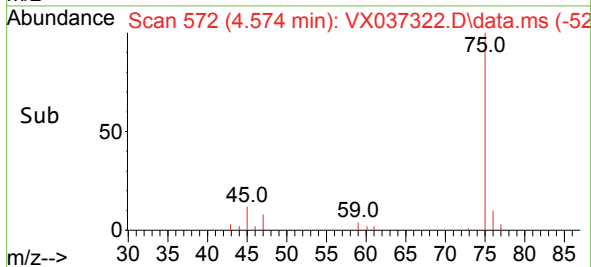
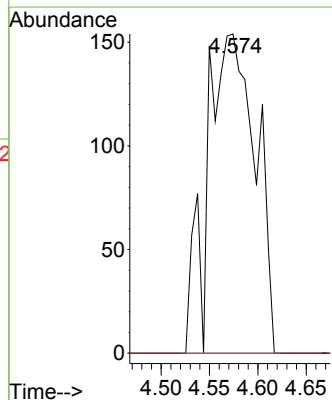
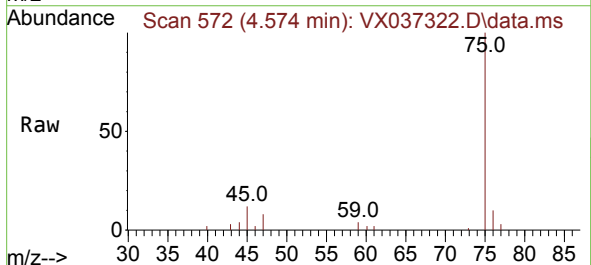
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230821

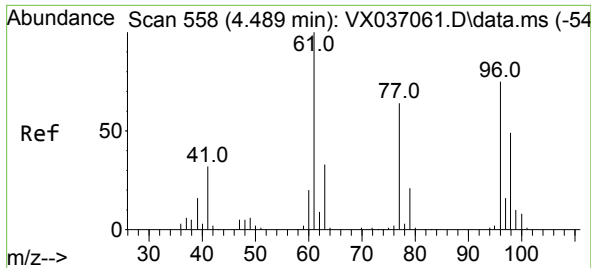
Tgt Ion: 43 Resp: 4234
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#25
2-Butanone
Concen: 0.401 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 1.198 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037322.D

Acq: 29 Aug 2023 05:58

Instrument :

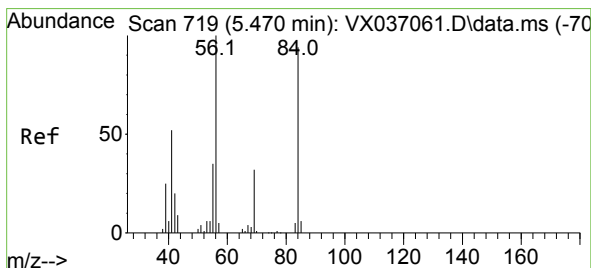
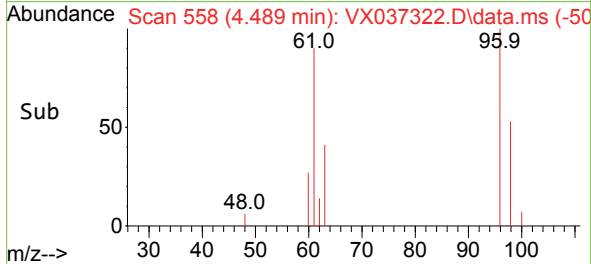
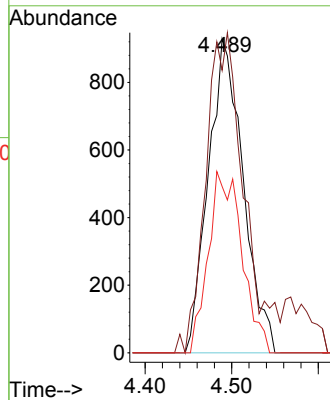
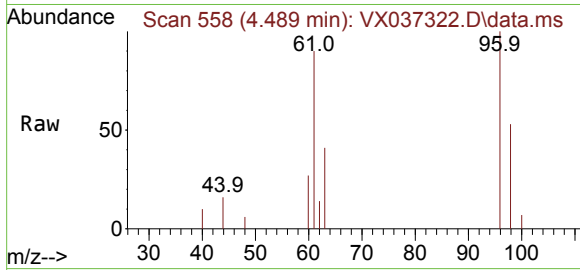
MSVOA_X

ClientSampleId :

RE132D4-20230821

Tgt Ion: 96 Resp: 2594

Ion	Ratio	Lower	Upper
96	100		
61	112.3	0.0	312.2
98	55.6	0.0	129.0



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 5.550 min Scan# 732

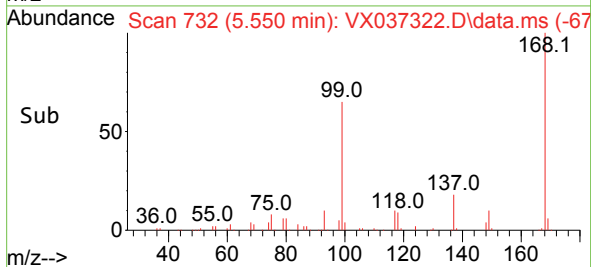
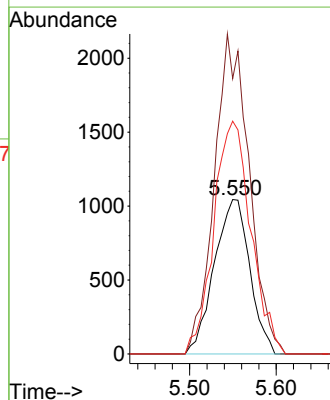
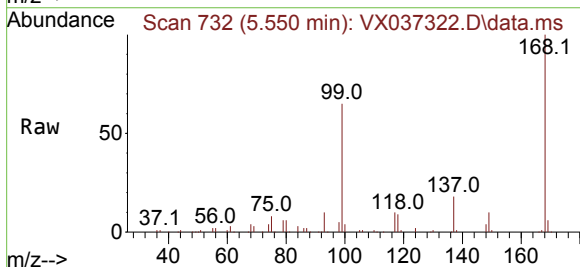
Delta R.T. 0.079 min

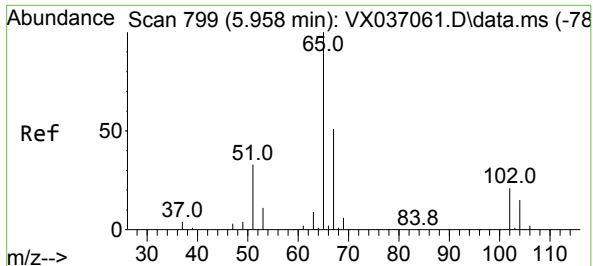
Lab File: VX037322.D

Acq: 29 Aug 2023 05:58

Tgt Ion: 56 Resp: 2971

Ion	Ratio	Lower	Upper
56	100		
69	178.4	23.4	35.2#
84	150.8	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.082 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037322.D

Acq: 29 Aug 2023 05:58

Instrument :

MSVOA_X

ClientSampleId :

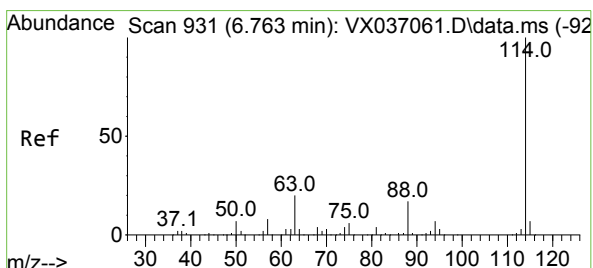
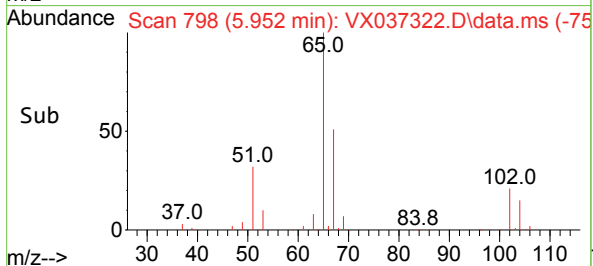
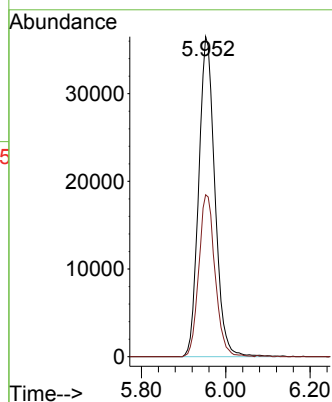
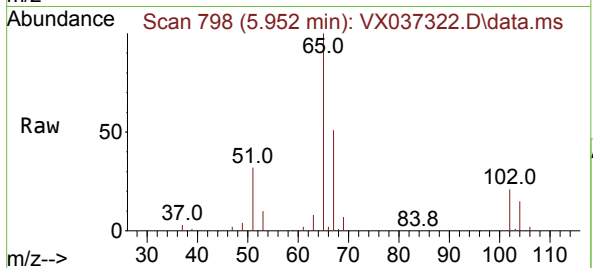
RE132D4-20230821

Tgt Ion: 65 Resp: 97461

Ion Ratio Lower Upper

65 100

67 50.9 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: VX037322.D

Acq: 29 Aug 2023 05:58

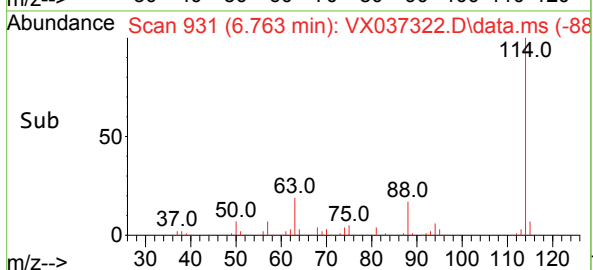
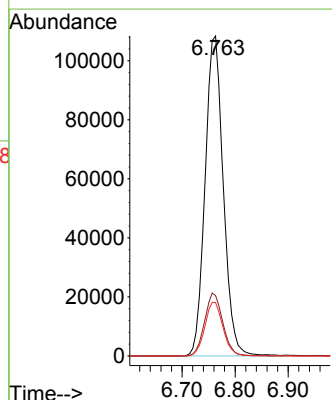
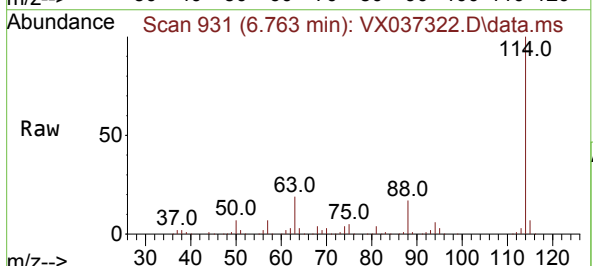
Tgt Ion: 114 Resp: 259013

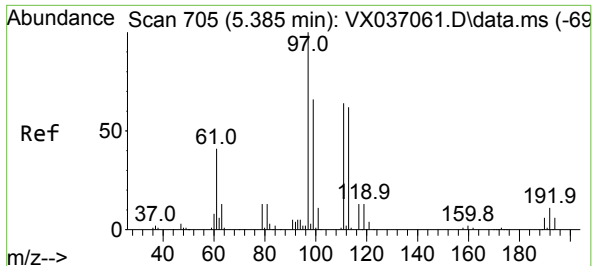
Ion Ratio Lower Upper

114 100

63 18.9 0.0 45.0

88 16.7 0.0 36.6

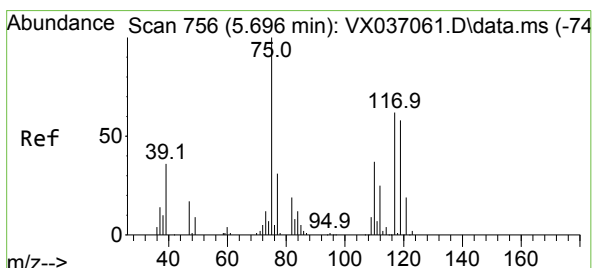
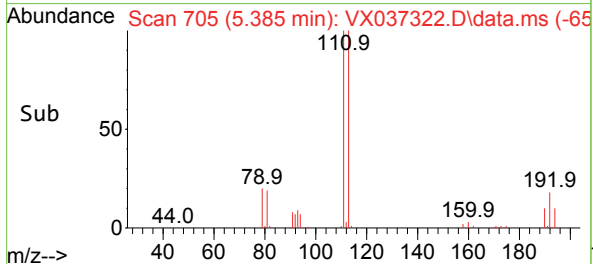
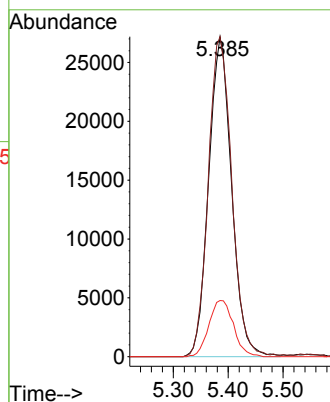
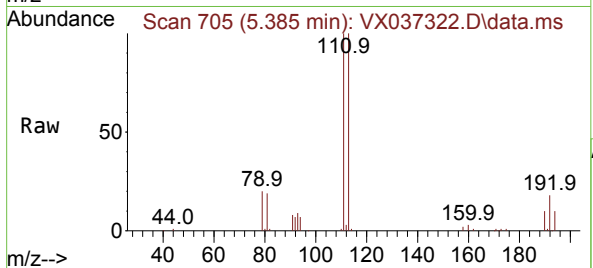




#35
Dibromofluoromethane
Concen: 45.885 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

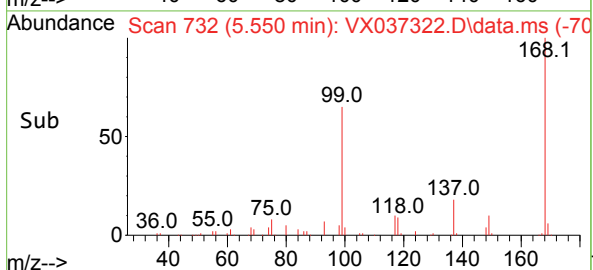
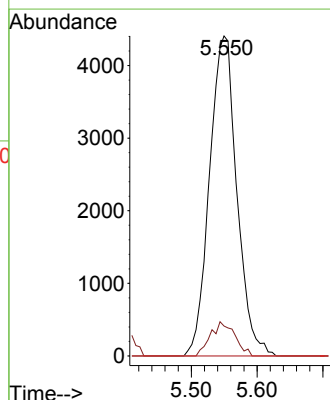
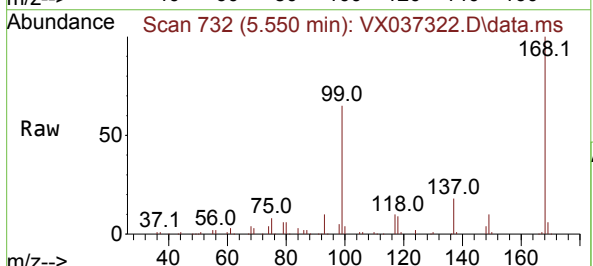
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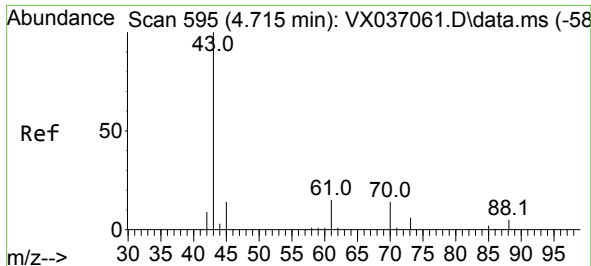
Tgt Ion:113 Resp: 78710
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.239 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion: 75 Resp: 12767
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.215 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX037322.D

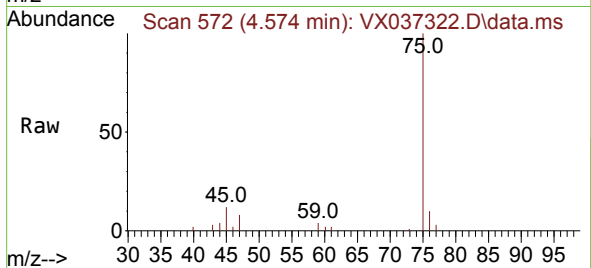
Acq: 29 Aug 2023 05:58

Instrument :

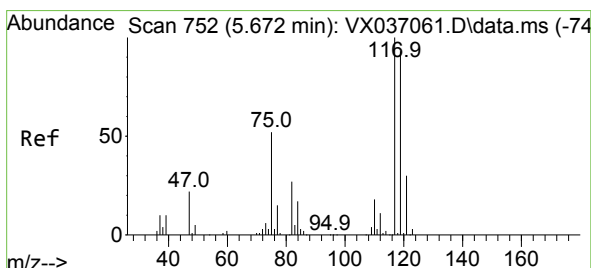
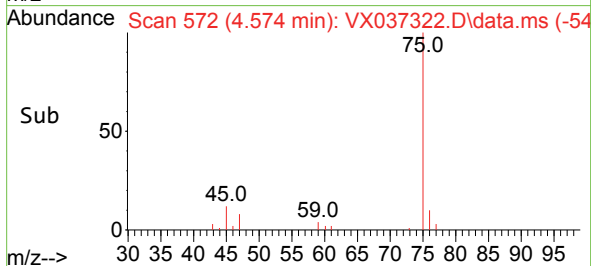
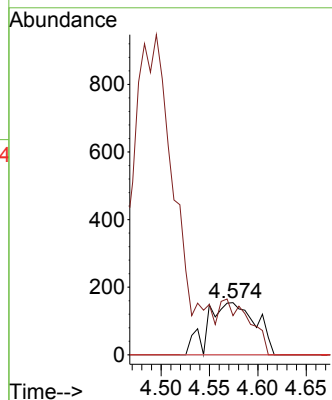
MSVOA_X

ClientSampleId :

RE132D4-20230821



Tgt Ion:	43	Resp:	535
Ion	Ratio	Lower	Upper
43	100		
61	65.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.240 ug/l

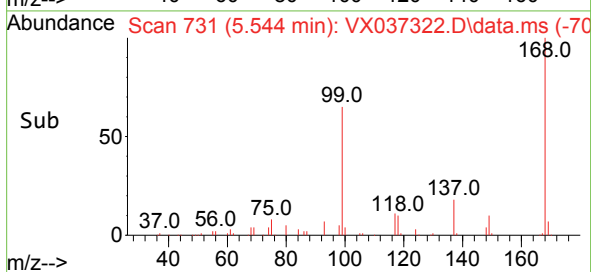
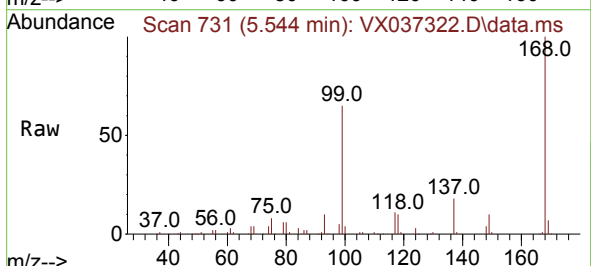
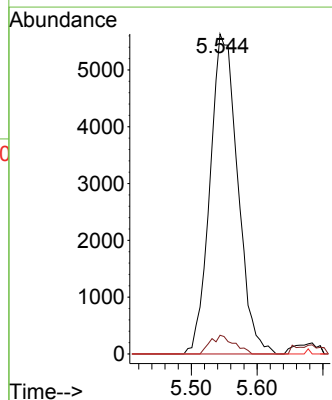
RT: 5.544 min Scan# 731

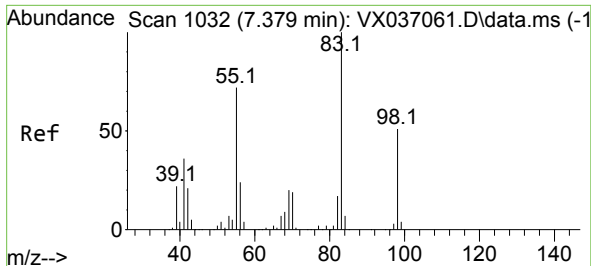
Delta R.T. -0.128 min

Lab File: VX037322.D

Acq: 29 Aug 2023 05:58

Tgt Ion:	117	Resp:	16520
Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.2	117.2#
121	0.0	24.4	36.6#





#39

Methylcyclohexane

Concen: 1.231 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX037322.D

Acq: 29 Aug 2023 05:58

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20230821

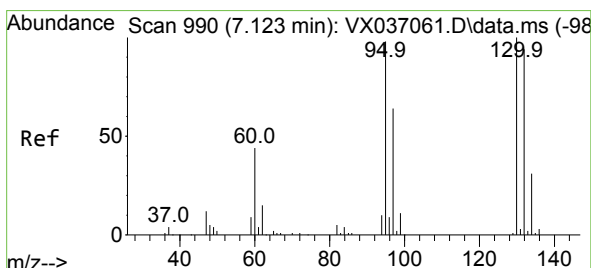
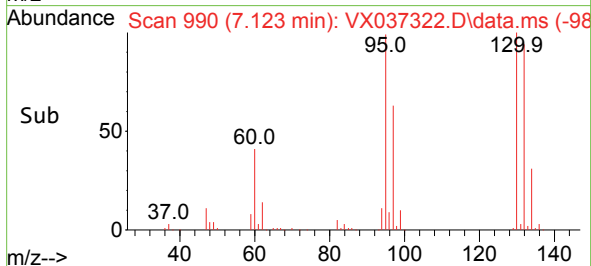
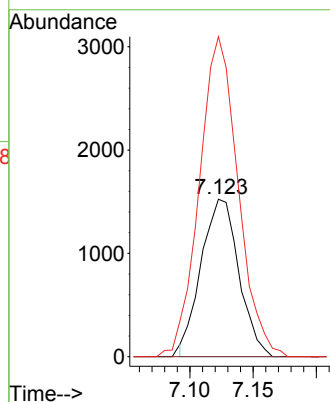
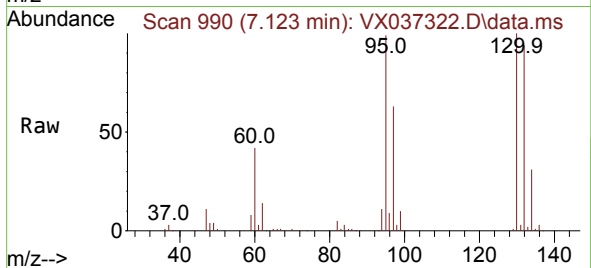
Tgt Ion: 83 Resp: 3153

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 199.3 36.7 55.1#



#44

Trichloroethene

Concen: 135.207 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX037322.D

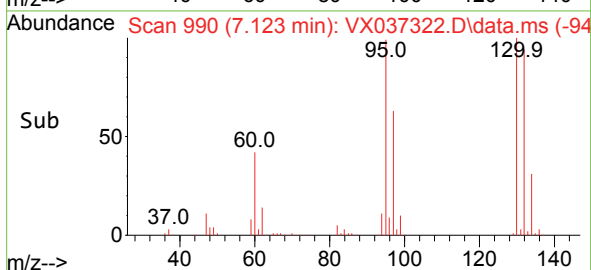
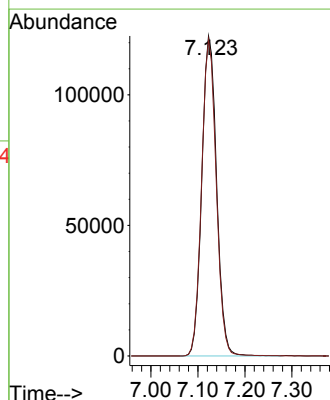
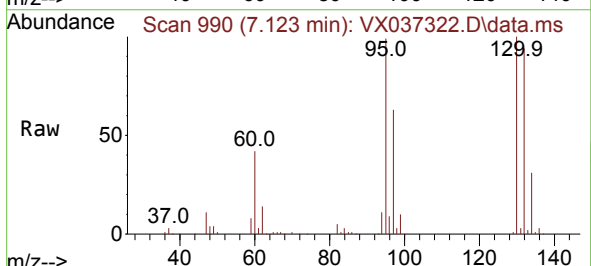
Acq: 29 Aug 2023 05:58

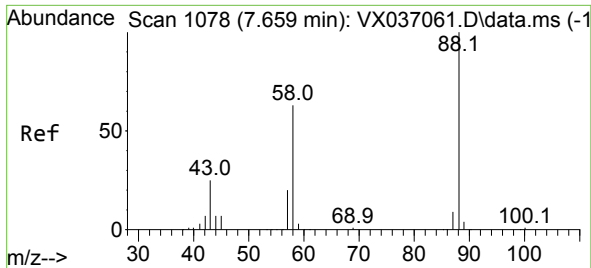
Tgt Ion:130 Resp: 267971

Ion Ratio Lower Upper

130 100

95 99.1 0.0 204.4

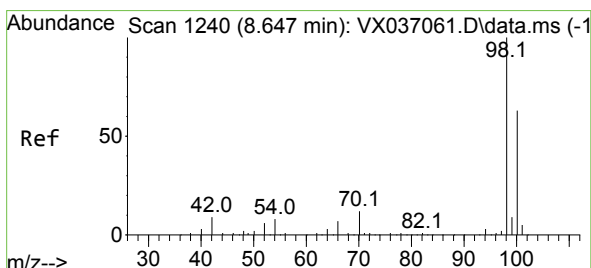
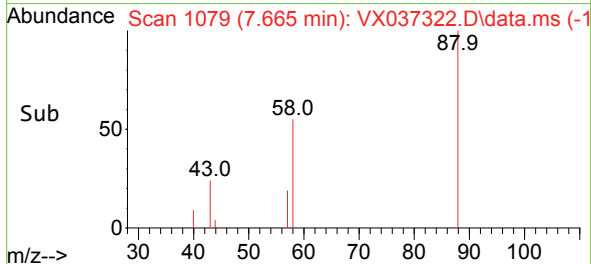
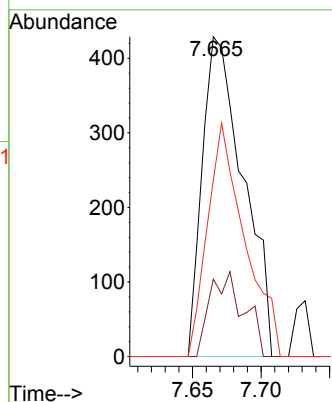
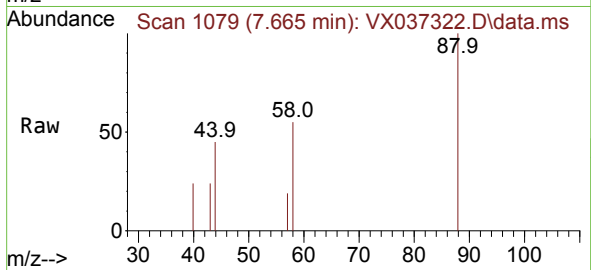




#49
1,4-Dioxane
Concen: 17.222 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

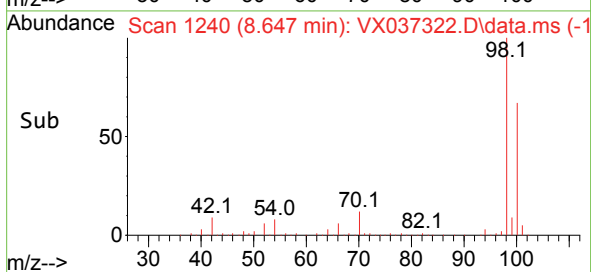
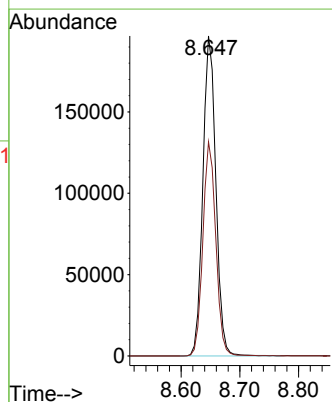
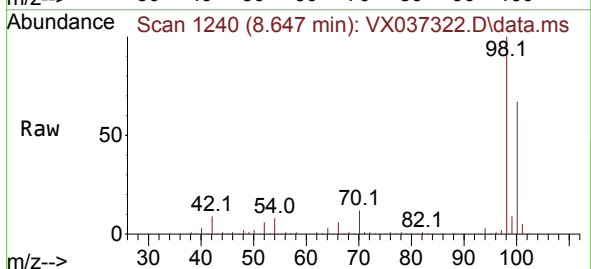
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230821

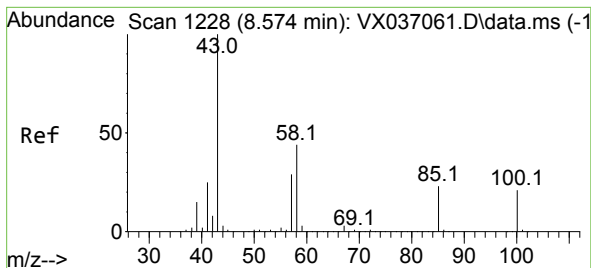
Tgt Ion: 88 Resp: 894
Ion Ratio Lower Upper
88 100
43 21.8 0.0 0.0#
58 66.2 60.1 90.1



#50
Toluene-d8
Concen: 48.576 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion: 98 Resp: 302254
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7

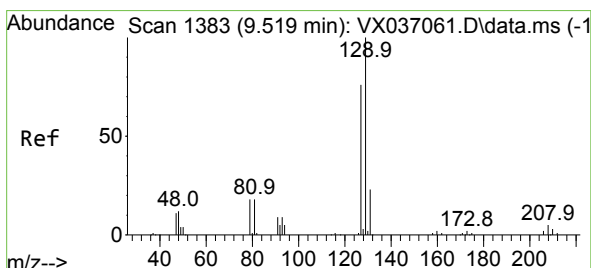
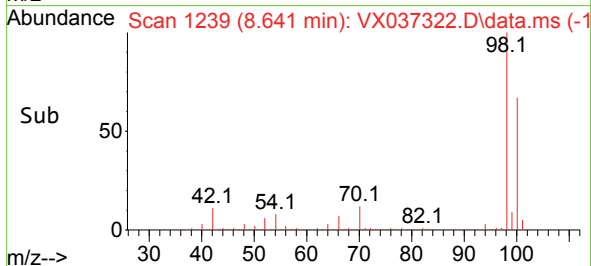
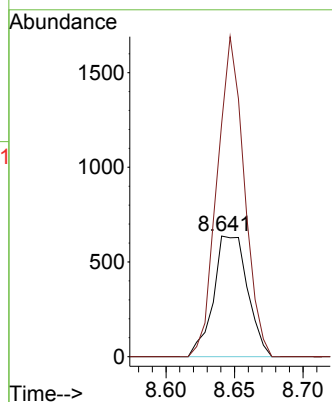
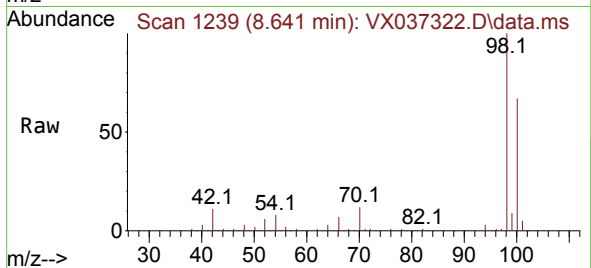




#51
4-Methyl-2-Pentanone
Concen: 0.459 ug/l
RT: 8.641 min Scan# 110
Delta R.T. 0.067 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

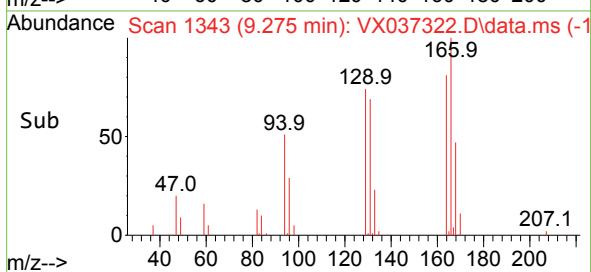
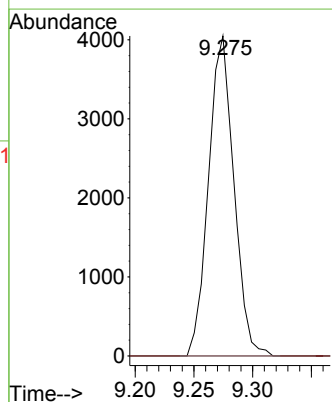
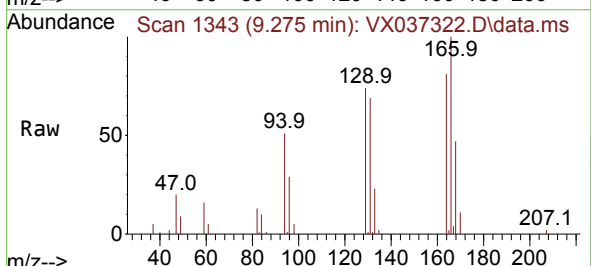
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230821

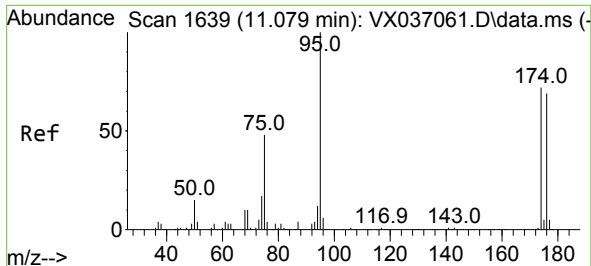
Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
58 211.5 30.4 45.6#



#60
Dibromochloromethane
Concen: 3.041 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion: 129 Resp: 6088
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

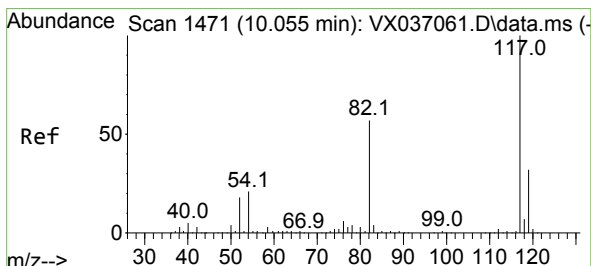
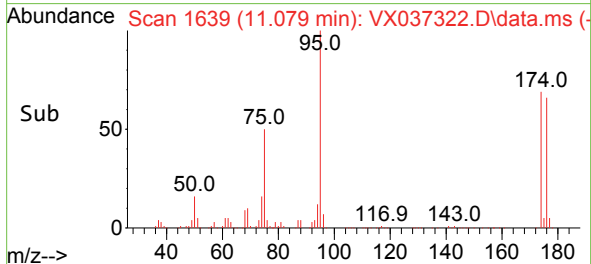
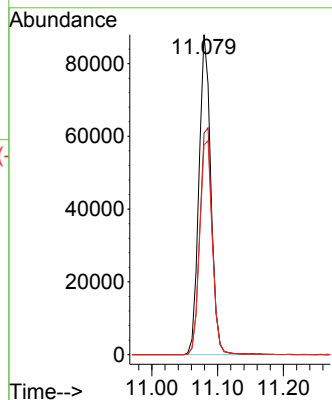
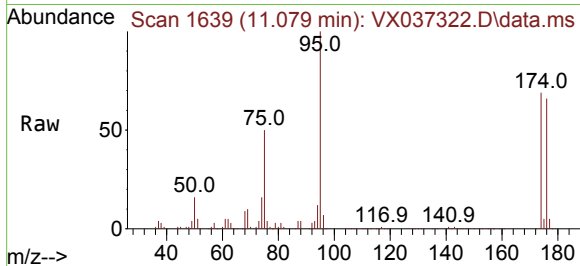




#62
4-Bromofluorobenzene
Concen: 45.240 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

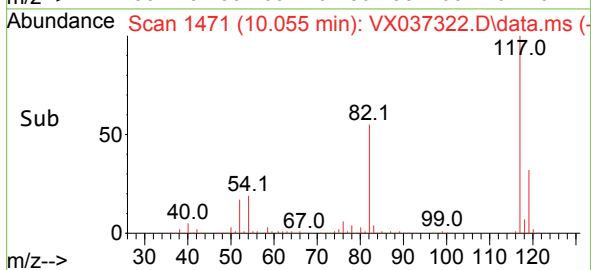
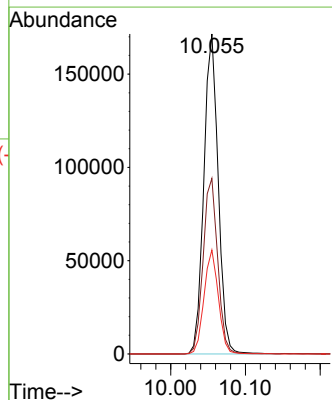
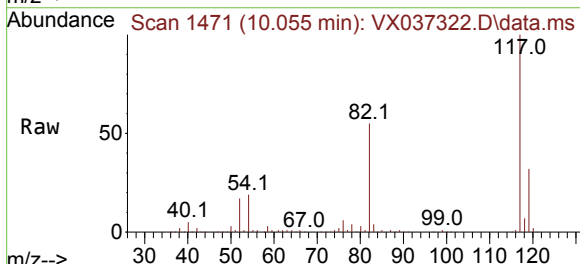
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230821

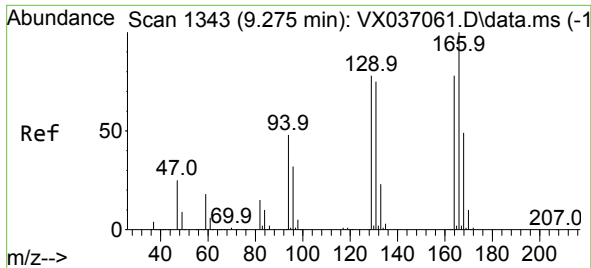
Tgt Ion: 95 Resp: 110625
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 70.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion: 117 Resp: 228772
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 32.5 25.5 38.3



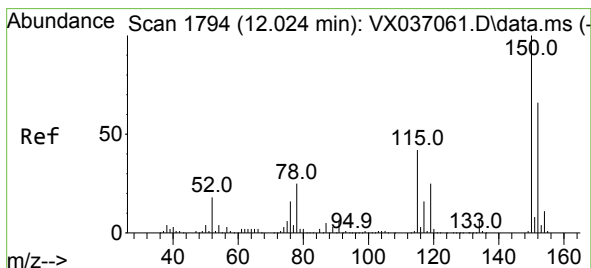
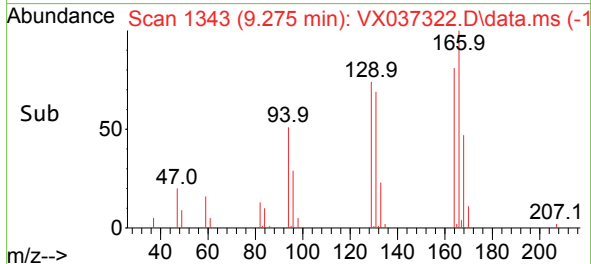
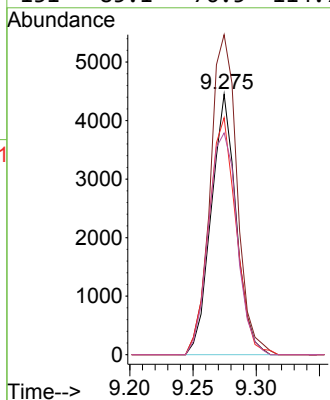
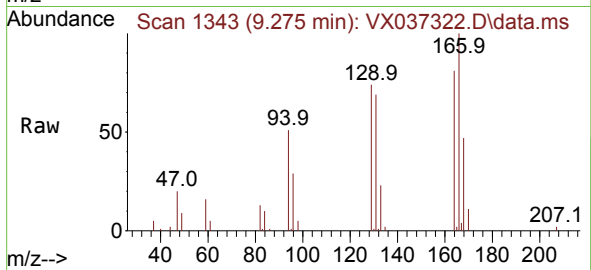


#64
Tetrachloroethene
Concen: 3.656 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230821

Tgt Ion:164 Resp: 6101

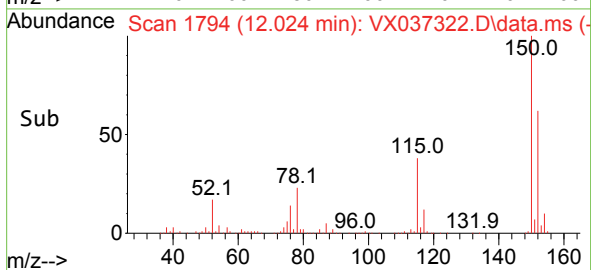
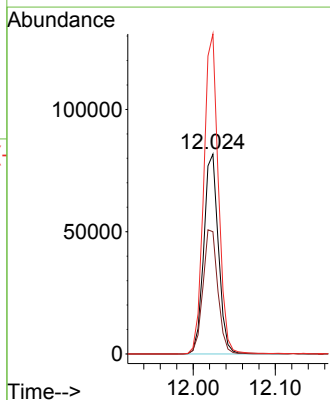
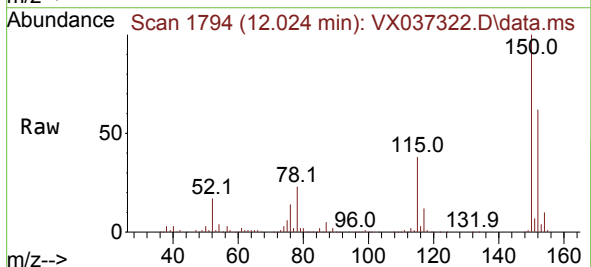
Ion	Ratio	Lower	Upper
164	100		
166	122.8	102.7	154.1
129	90.9	80.4	120.6
131	85.1	76.5	114.7

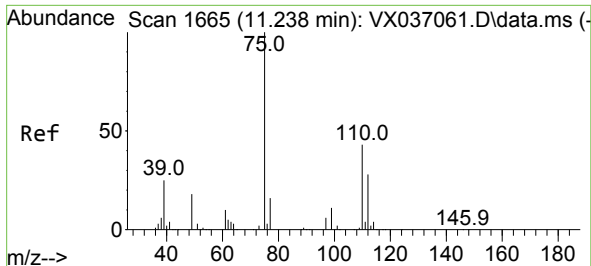


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion:152 Resp: 101348

Ion	Ratio	Lower	Upper
152	100		
115	63.3	43.3	129.9
150	159.8	0.0	345.0

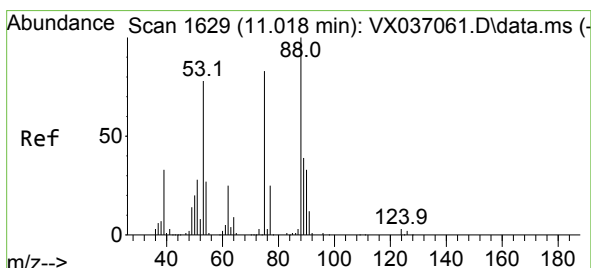
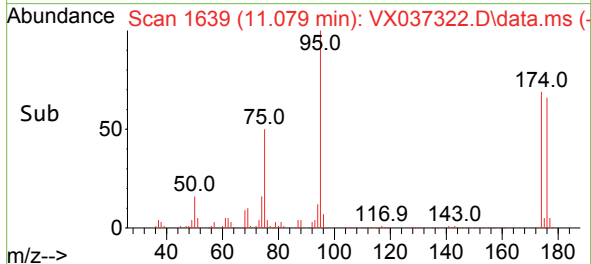
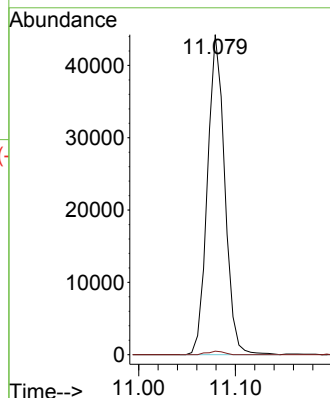
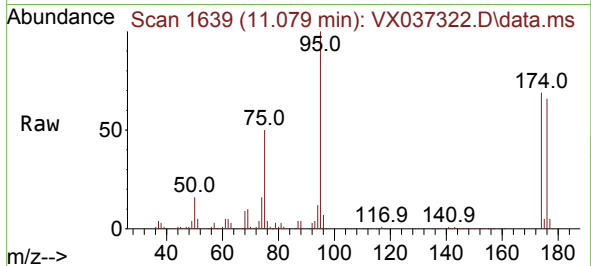




#76
1,2,3-Trichloropropane
Concen: 25.541 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230821

Tgt Ion: 75 Resp: 55128
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.338 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037322.D
Acq: 29 Aug 2023 05:58

Tgt Ion: 75 Resp: 55128
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

