

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034427.D
 Acq On : 13 Mar 2023 13:03
 Operator : JC/MD
 Sample : 01879-10 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20230308

Quant Time: Mar 14 02:23:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	278139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	470150	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	408479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	171811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	181057	44.746	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.500%
35) Dibromofluoromethane	5.385	113	150019	48.328	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	8.647	98	567528	48.975	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.960%
62) 4-Bromofluorobenzene	11.079	95	189801	40.550	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.100%#
Target Compounds						Qvalue
3) Chloromethane	1.313	50	746	Below Cal		97
9) 1,1,2-Trichlorotrifluo...	2.331	101	1237	0.400	ug/l	93
11) Tert butyl alcohol	2.947	59	8363	9.925	ug/l #	74
12) 1,1-Dichloroethene	2.325	96	1276	0.419	ug/l	89
13) Acrolein	2.227	56	419	0.629	ug/l #	24
15) Acrylonitrile	3.081	53	526	0.289	ug/l #	41
16) Acetone	2.374	43	1855	0.973	ug/l #	87
17) Carbon Disulfide	2.514	76	2670	0.312	ug/l	99
20) Methylene Chloride	2.788	84	1405	0.380	ug/l #	86
25) 2-Butanone	4.562	43	1138	0.417	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	1367	0.351	ug/l	66
36) 1,1-Dichloropropene	5.550	75	22403	4.699	ug/l #	51
38) Carbon Tetrachloride	5.550	117	27730	5.846	ug/l #	17
44) Trichloroethene	7.123	130	636859	175.737	ug/l	99
60) Dibromochloromethane	9.275	129	755	0.210	ug/l #	10
64) Tetrachloroethene	9.281	164	807	0.294	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	98225	24.899	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	98225	67.359	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	895	0.237	ug/l	81
94) Hexachlorobutadiene	13.725	225	693	0.456	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	777	0.211	ug/l	90

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

Quant Time: Mar 14 02:23:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

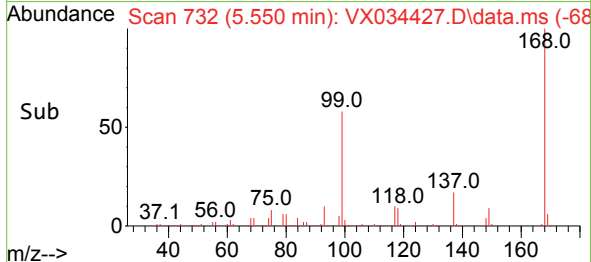
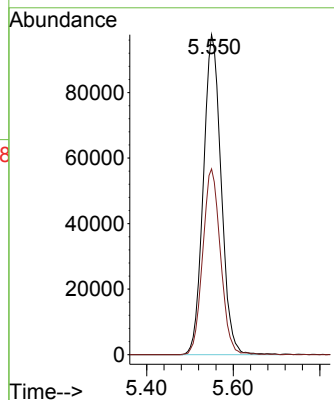
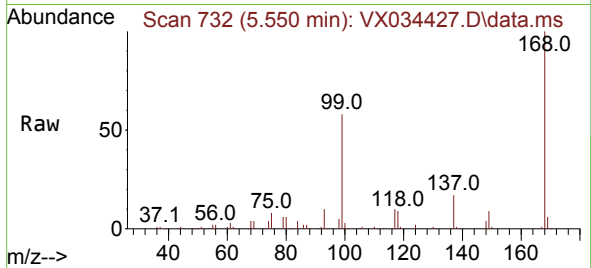




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

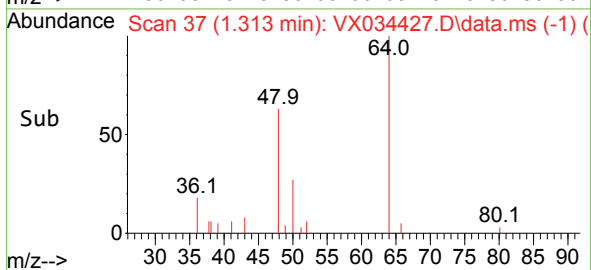
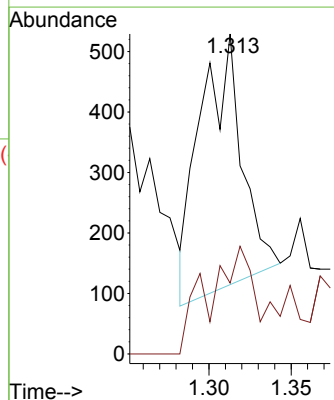
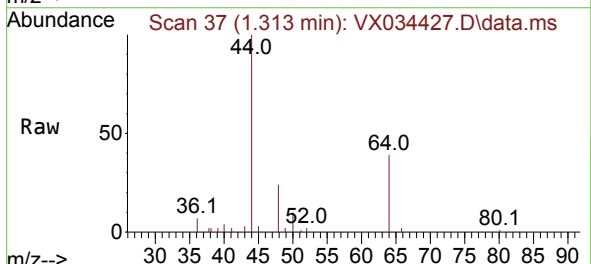
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20230308

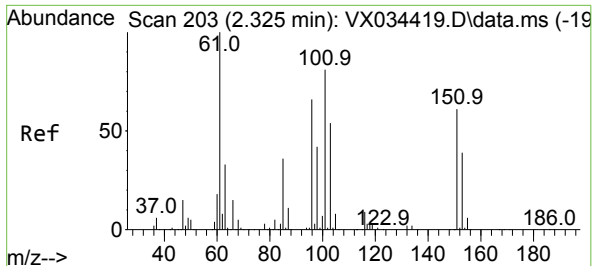
Tgt Ion:168 Resp: 278139
Ion Ratio Lower Upper
168 100
99 58.1 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 50 Resp: 746
Ion Ratio Lower Upper
50 100
52 30.9 25.9 38.9

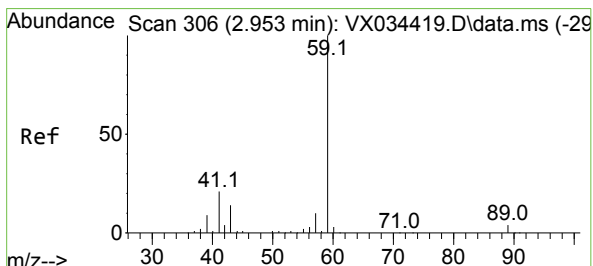
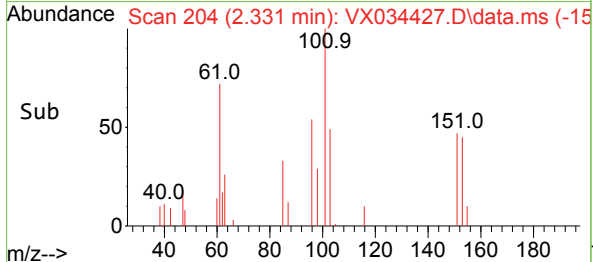
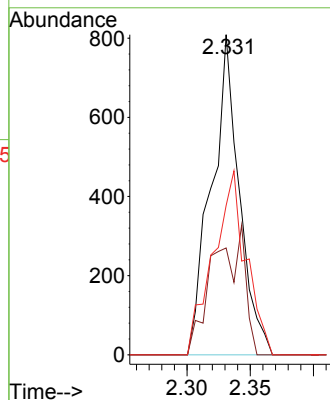
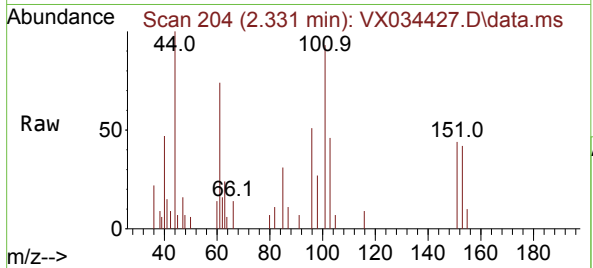




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.400 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

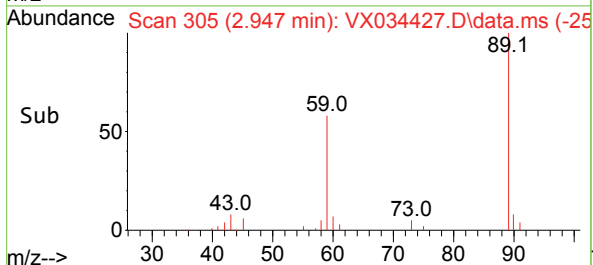
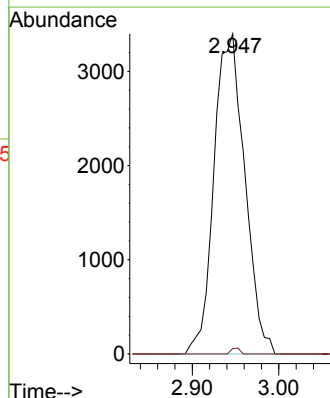
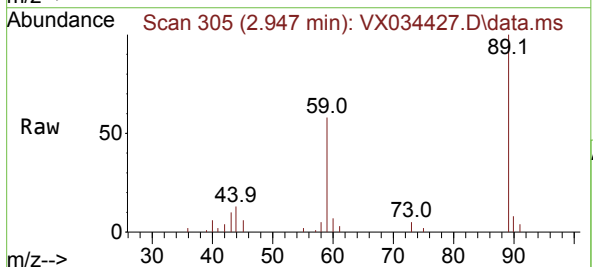
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20230308

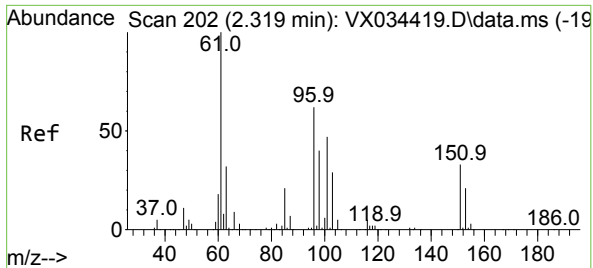
Tgt Ion:101 Resp: 1237
Ion Ratio Lower Upper
101 100
85 45.9 35.4 53.2
151 67.3 60.2 90.4



#11
Tert butyl alcohol
Concen: 9.925 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 59 Resp: 8363
Ion Ratio Lower Upper
59 100
57 0.5 8.1 12.1#

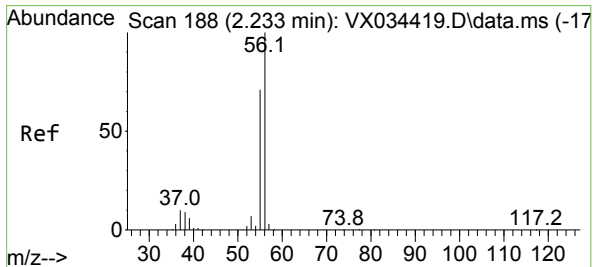
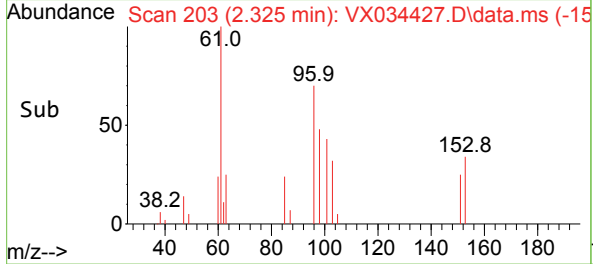
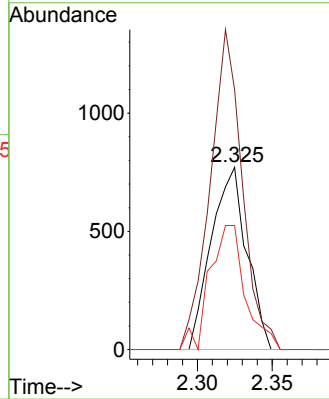
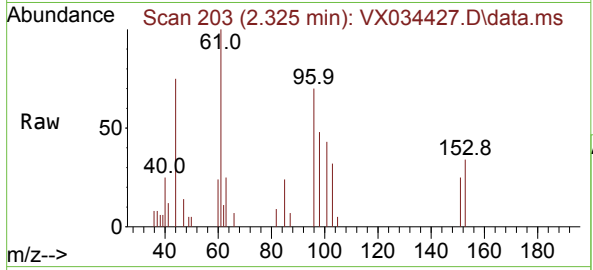




#12
1,1-Dichloroethene
Concen: 0.419 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

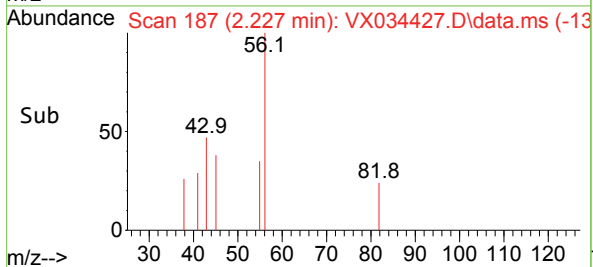
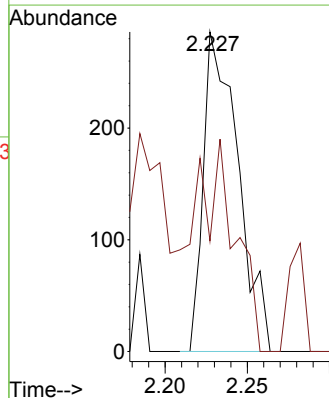
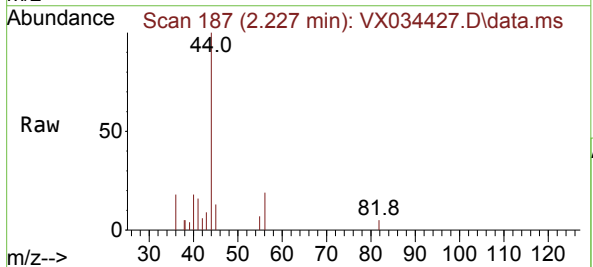
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20230308

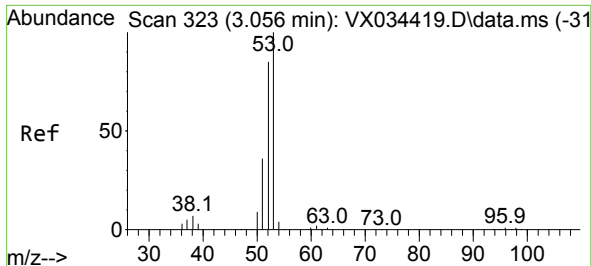
Tgt Ion: 96 Resp: 1276
Ion Ratio Lower Upper
96 100
61 142.5 128.8 193.2
98 68.1 51.4 77.0



#13
Acrolein
Concen: 0.629 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 56 Resp: 419
Ion Ratio Lower Upper
56 100
55 8.4 56.6 85.0#

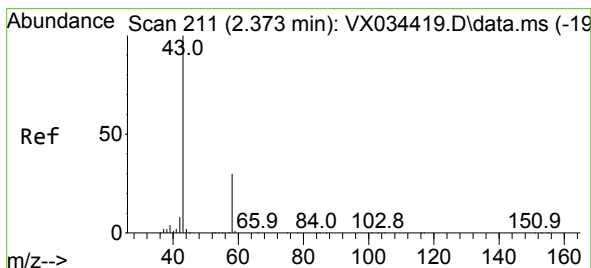
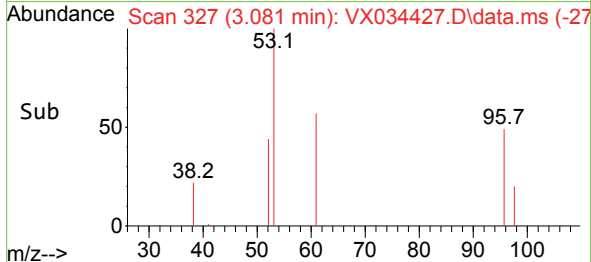
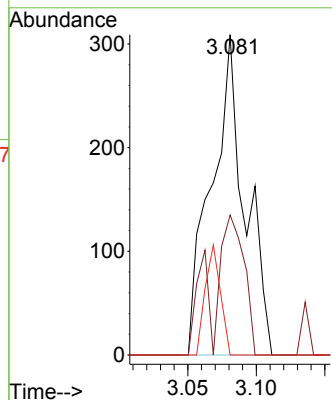
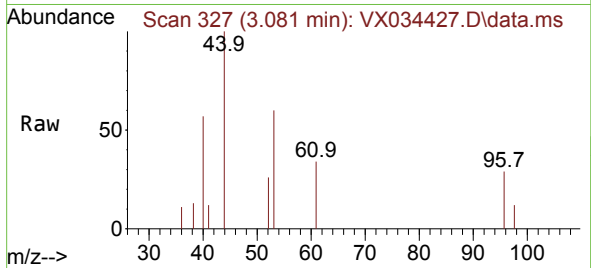




#15
Acrylonitrile
Concen: 0.289 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.025 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

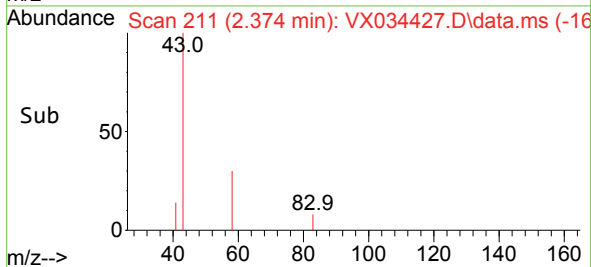
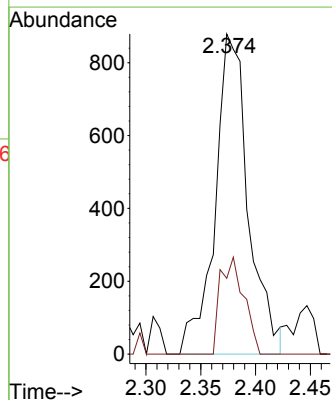
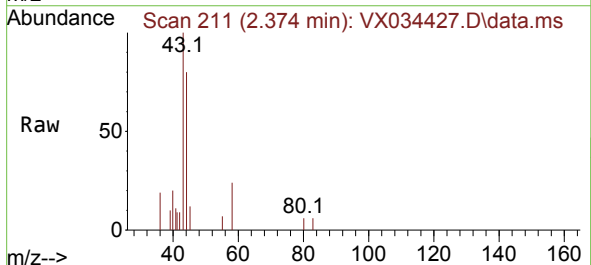
Instrument :
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ClientSampleId :
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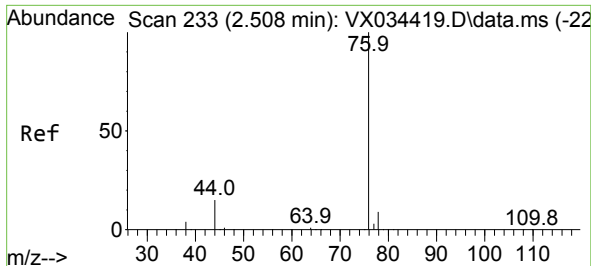
Tgt Ion: 53 Resp: 526
Ion Ratio Lower Upper
53 100
52 30.2 66.2 99.2#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 0.973 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
58 23.7 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.312 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX034427.D

Acq: 13 Mar 2023 13:03

Instrument :

MSVOA_X

ClientSampleId :

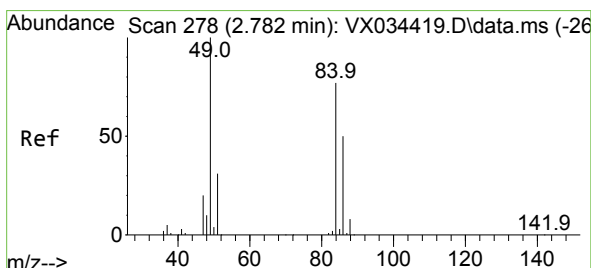
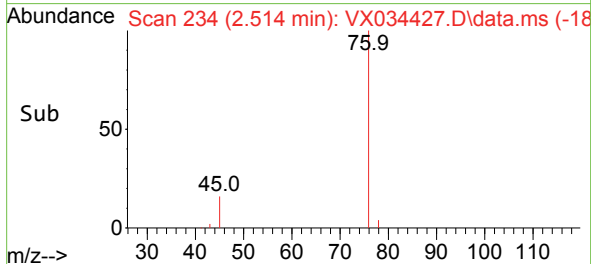
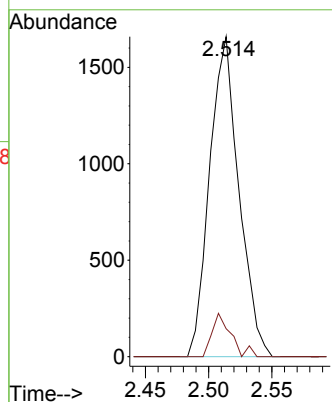
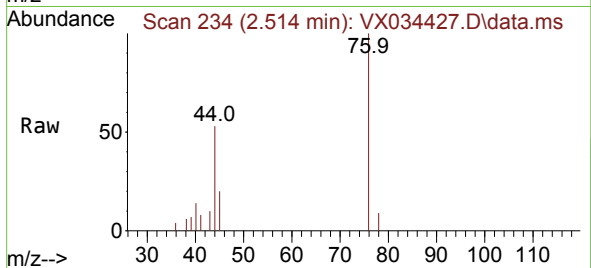
DUP03-20230308

Tgt Ion: 76 Resp: 2670

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



#20

Methylene Chloride

Concen: 0.380 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX034427.D

Acq: 13 Mar 2023 13:03

Tgt Ion: 84 Resp: 1405

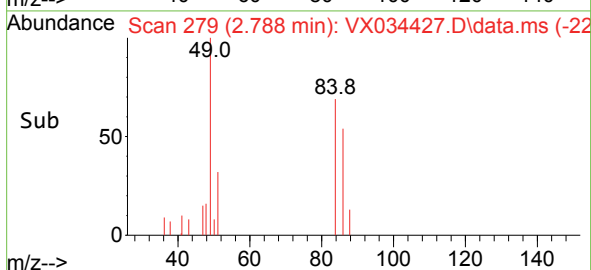
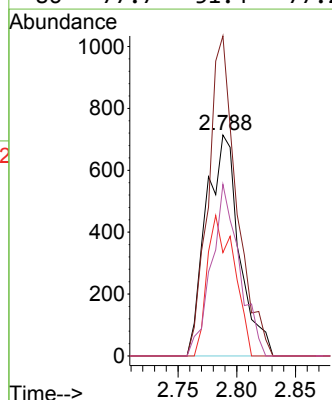
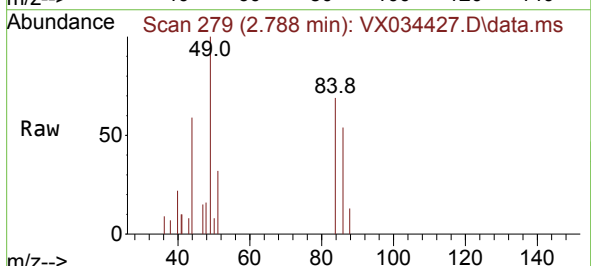
Ion Ratio Lower Upper

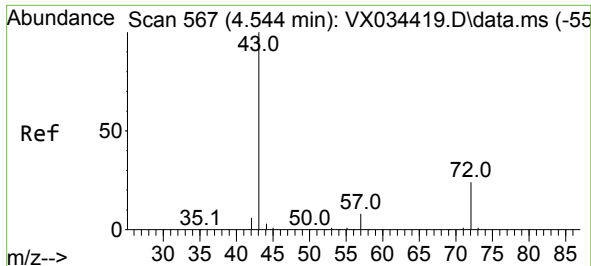
84 100

49 144.8 103.8 155.8

51 46.8 31.8 47.8

86 77.7 51.4 77.2#

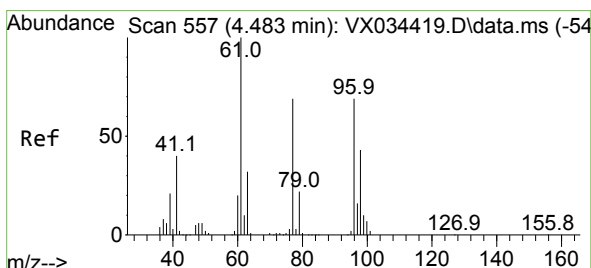
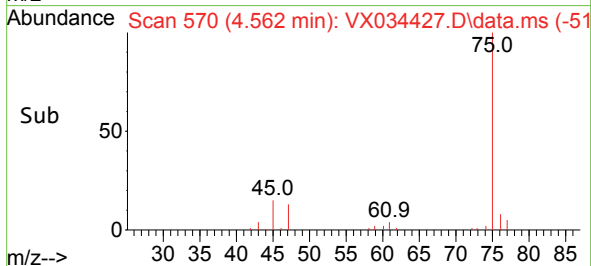
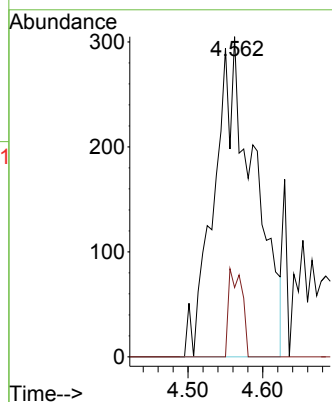
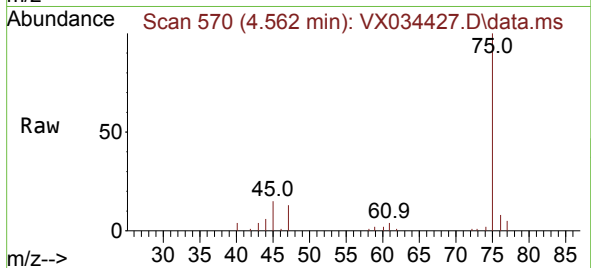




#25
2-Butanone
Concen: 0.417 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

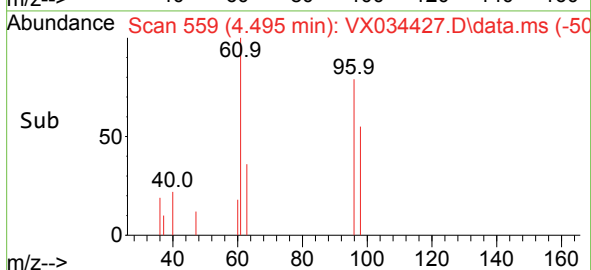
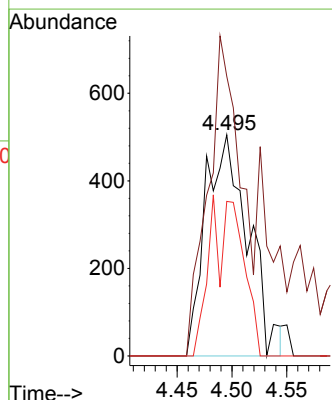
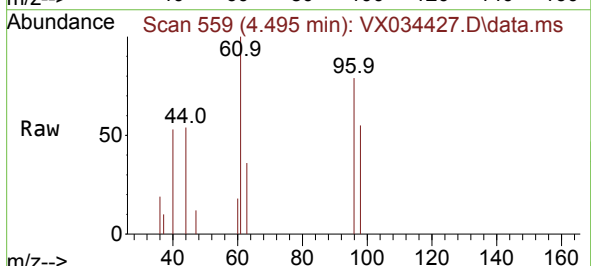
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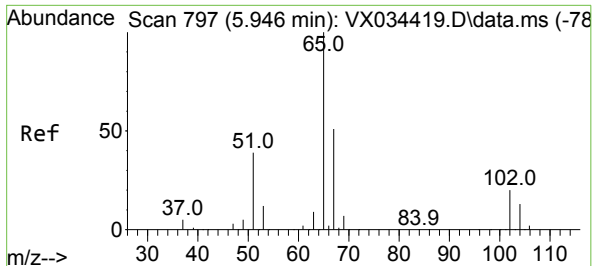
Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
72 21.6 19.3 28.9



#27
cis-1,2-Dichloroethene
Concen: 0.351 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 96 Resp: 1367
Ion Ratio Lower Upper
96 100
61 110.2 0.0 300.4
98 34.2 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 44.746 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX034427.D

Acq: 13 Mar 2023 13:03

Instrument :

MSVOA_X

ClientSampleId :

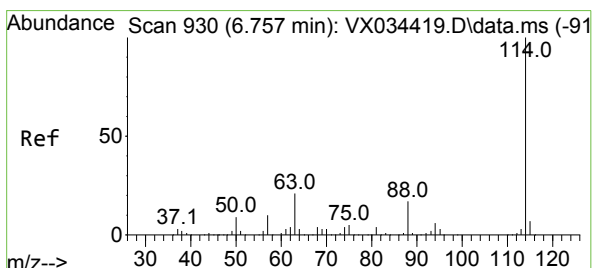
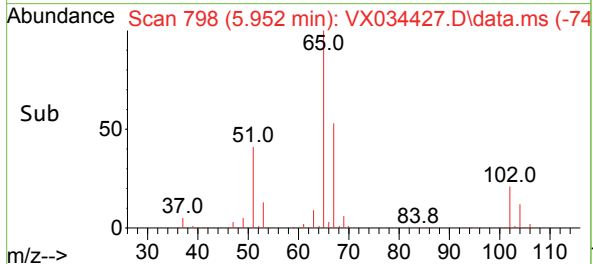
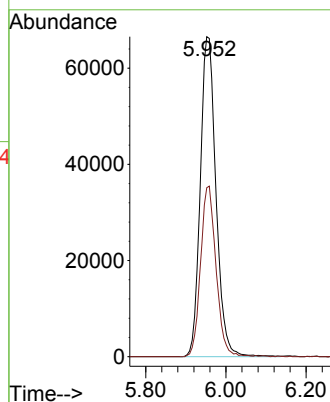
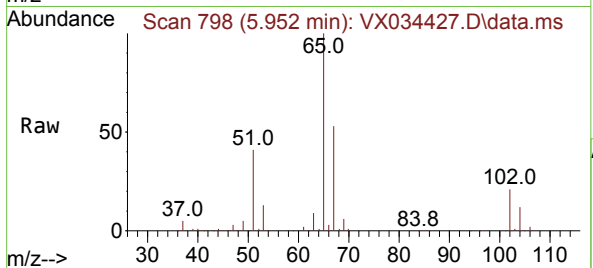
DUP03-20230308

Tgt Ion: 65 Resp: 181057

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034427.D

Acq: 13 Mar 2023 13:03

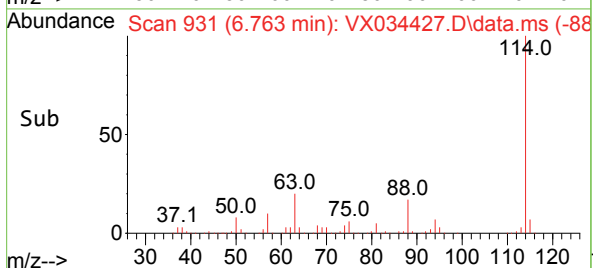
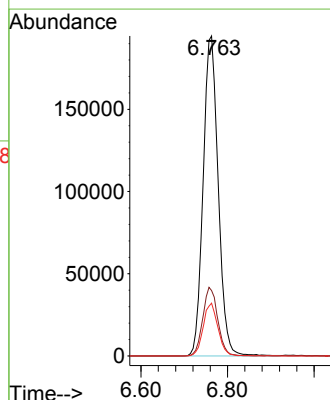
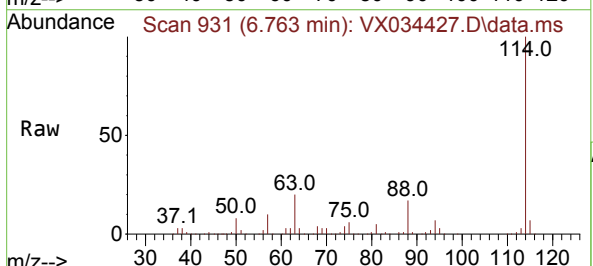
Tgt Ion: 114 Resp: 470150

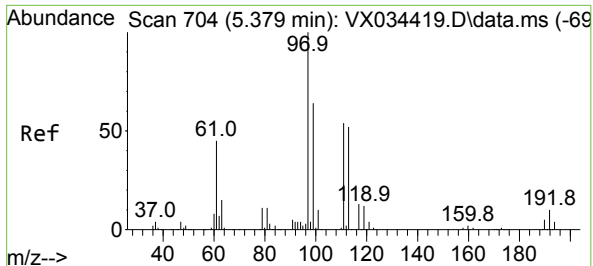
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 16.5 0.0 33.2

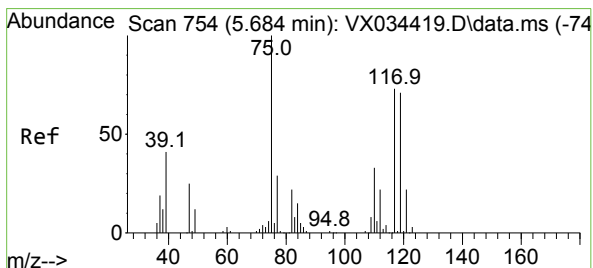
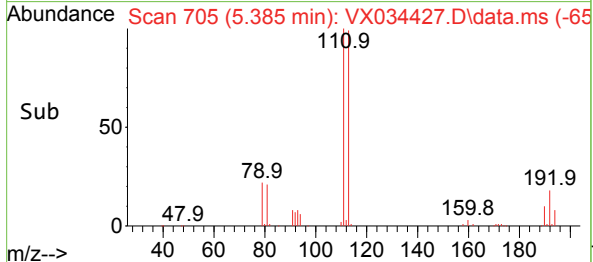
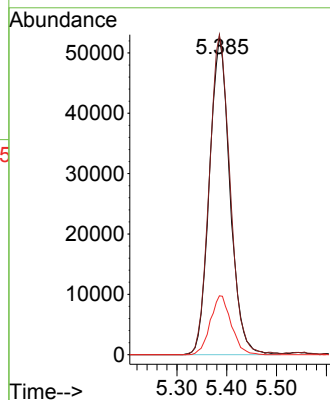
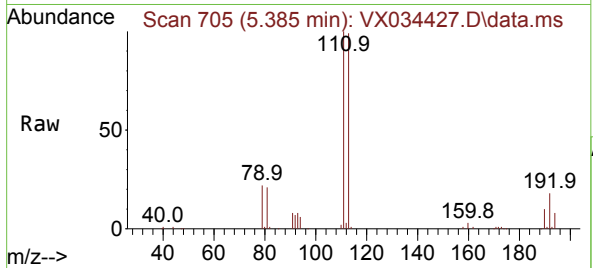




#35
Dibromofluoromethane
Concen: 48.328 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

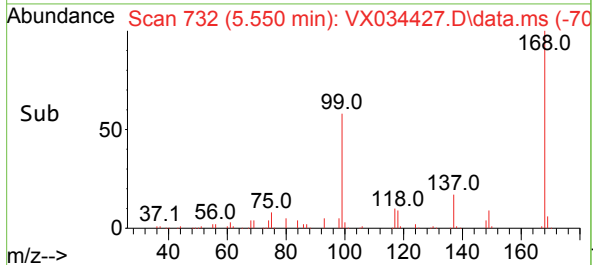
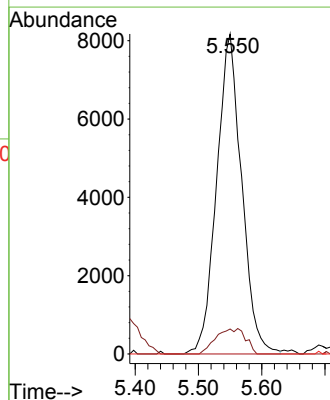
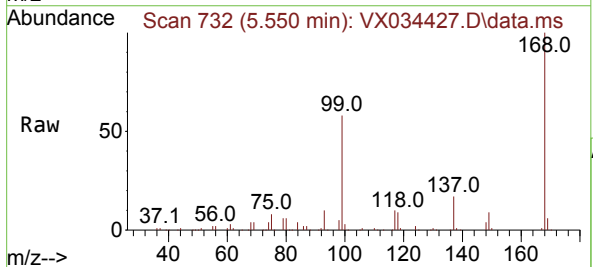
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20230308

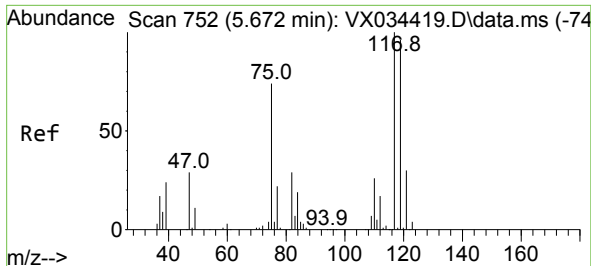
Tgt Ion:113 Resp: 150019
Ion Ratio Lower Upper
113 100
111 102.0 83.7 125.5
192 18.9 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.699 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 75 Resp: 22403
Ion Ratio Lower Upper
75 100
110 9.4 17.5 52.5#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX034427.D

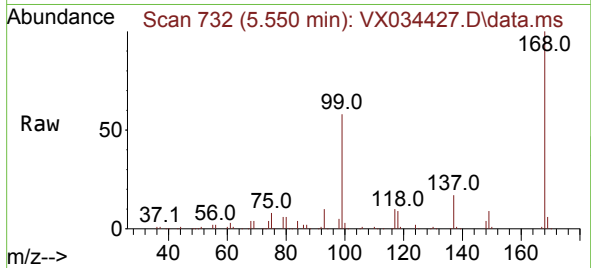
Acq: 13 Mar 2023 13:03

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20230308



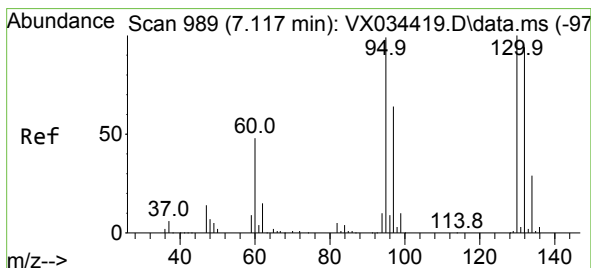
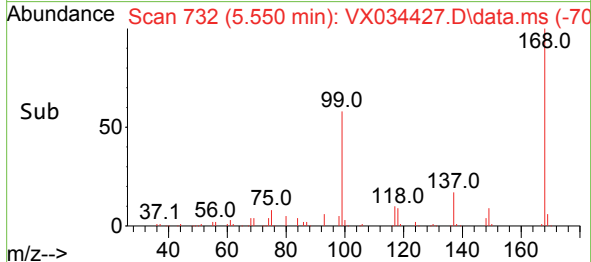
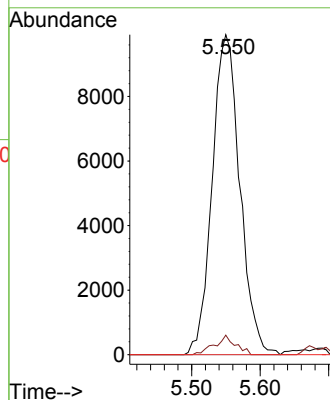
Tgt Ion:117 Resp: 27730

Ion Ratio Lower Upper

117 100

119 6.1 76.6 114.8#

121 0.0 23.8 35.6#



#44

Trichloroethene

Concen: 175.737 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX034427.D

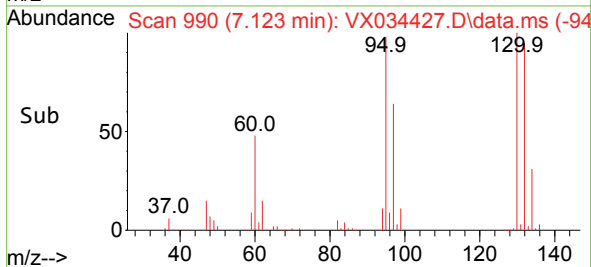
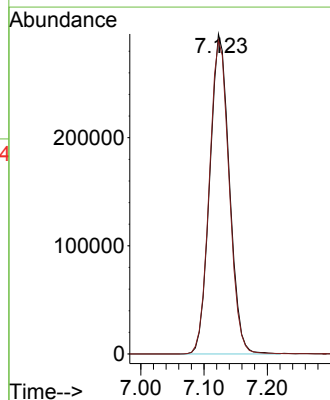
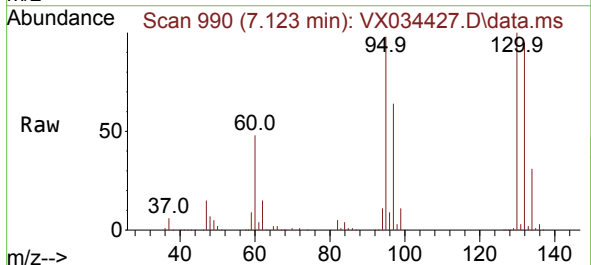
Acq: 13 Mar 2023 13:03

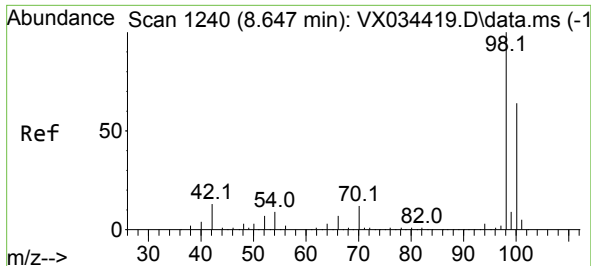
Tgt Ion:130 Resp: 636859

Ion Ratio Lower Upper

130 100

95 98.0 0.0 198.4

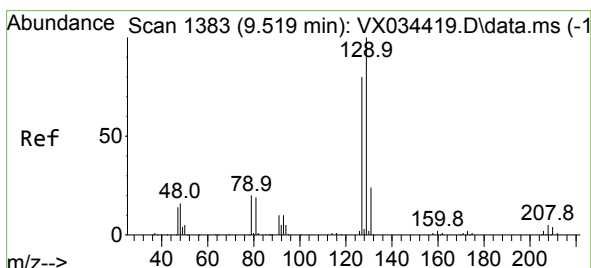
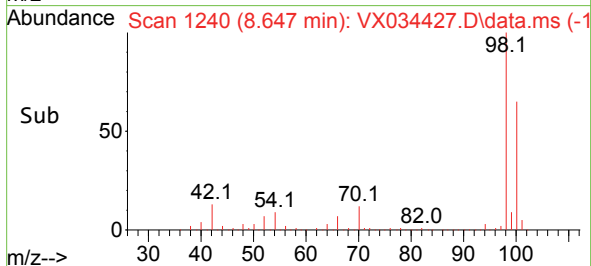
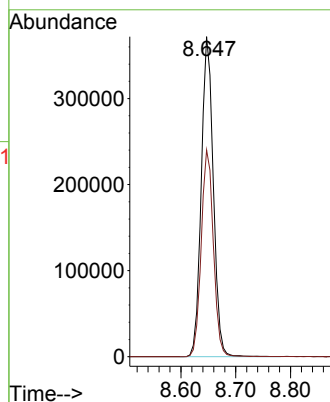
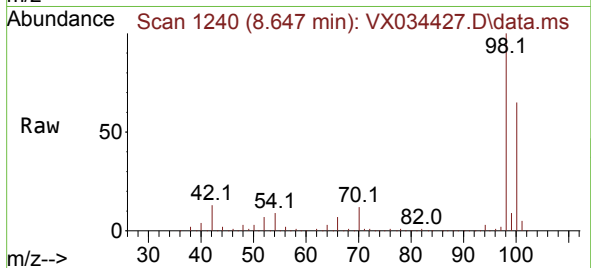




#50
Toluene-d8
Concen: 48.975 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

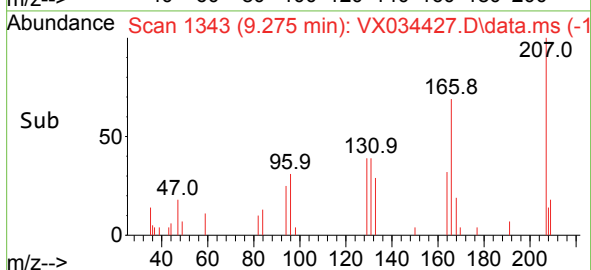
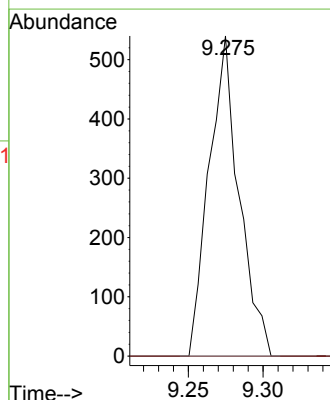
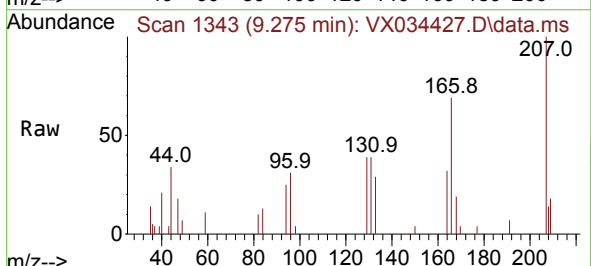
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20230308

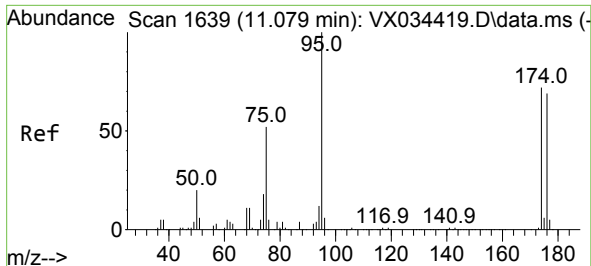
Tgt Ion: 98 Resp: 567528
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#60
Dibromochloromethane
Concen: 0.210 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 129 Resp: 755
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

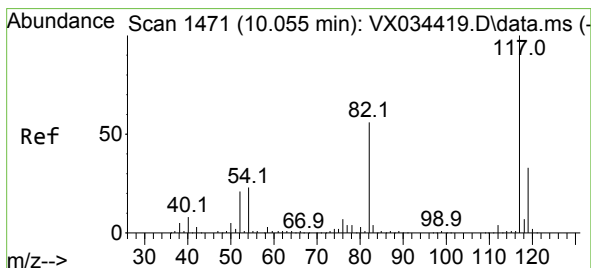
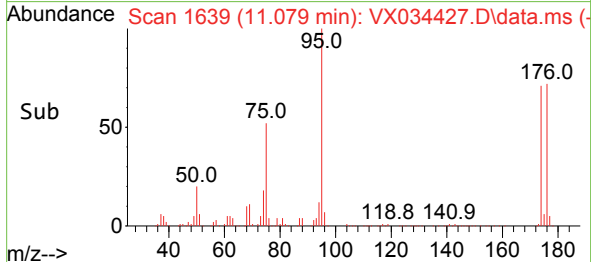
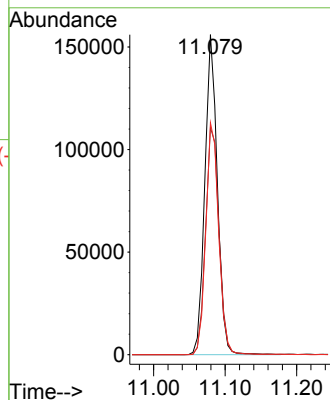
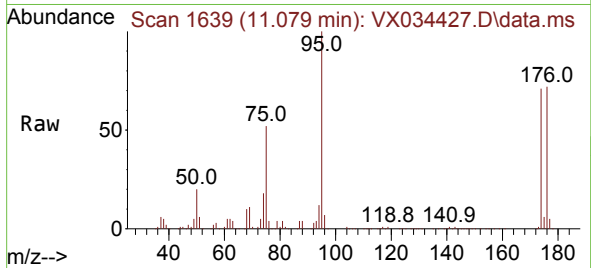




#62
4-Bromofluorobenzene
Concen: 40.550 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

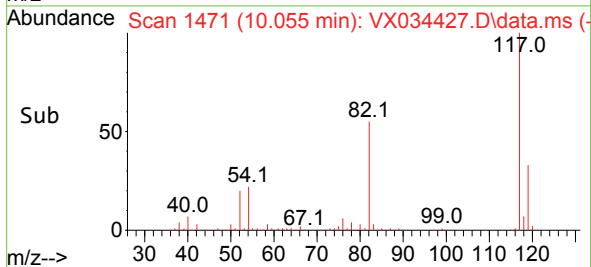
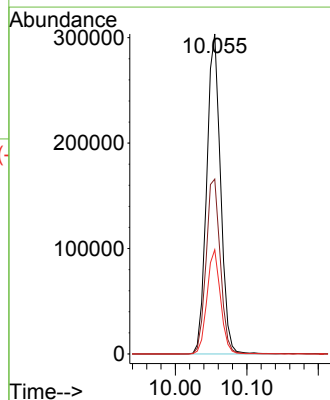
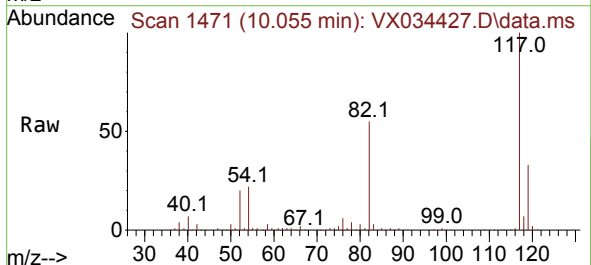
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20230308

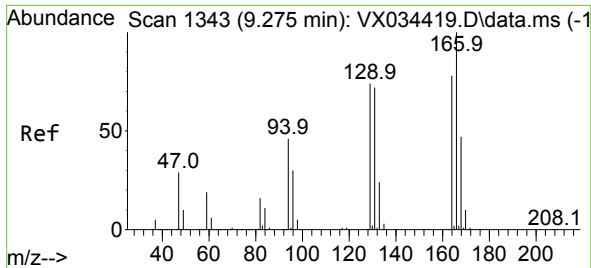
Tgt Ion: 95 Resp: 189801
Ion Ratio Lower Upper
95 100
174 76.5 0.0 147.4
176 74.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 117 Resp: 408479
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 32.6 26.0 39.0

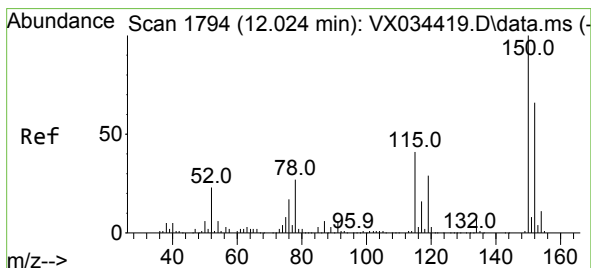
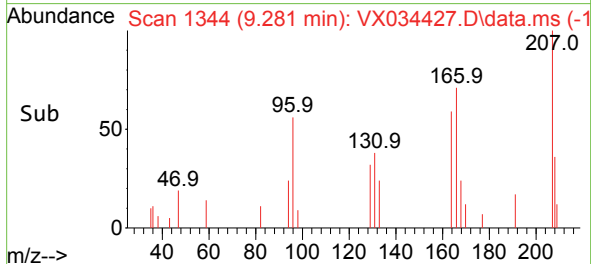
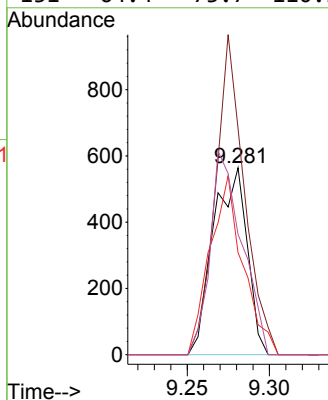
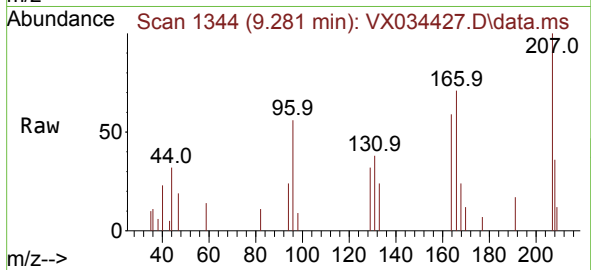




#64
Tetrachloroethene
Concen: 0.294 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

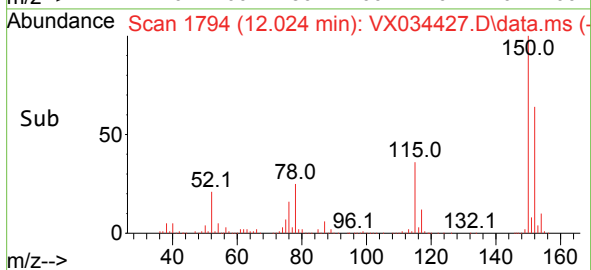
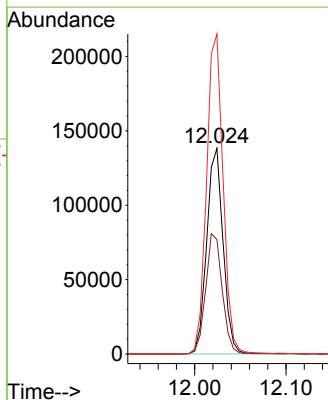
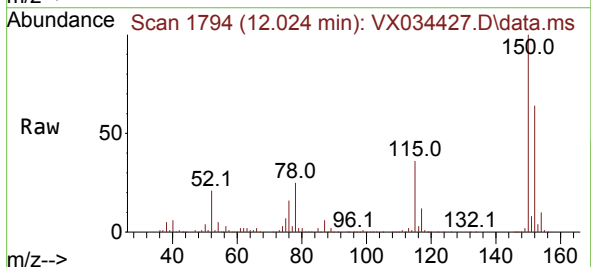
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20230308

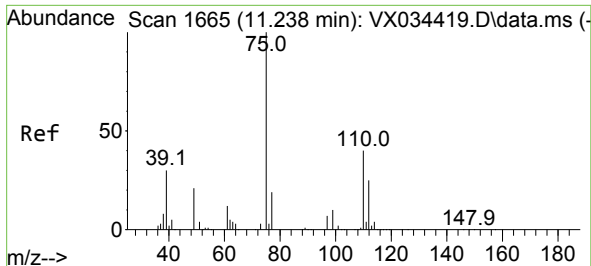
Tgt Ion:164	Resp:	807
Ion	Ratio	Lower Upper
164	100	
166	121.1	102.7 154.1
129	54.6	75.6 113.4#
131	64.4	73.7 110.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion:152	Resp:	171811
Ion	Ratio	Lower Upper
152	100	
115	59.1	45.0 135.0
150	156.7	0.0 352.4

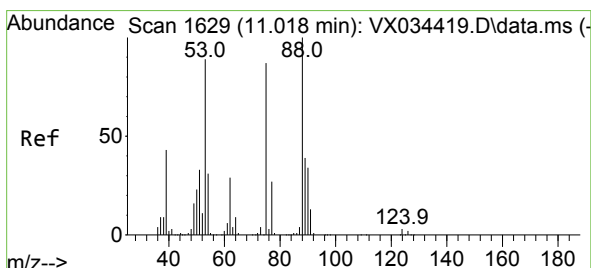
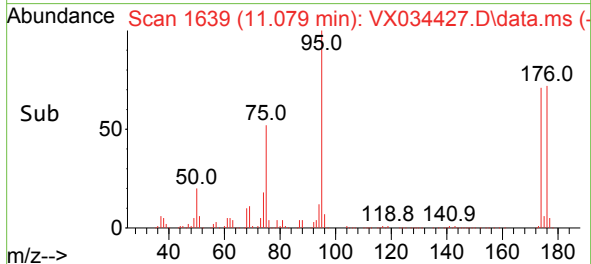
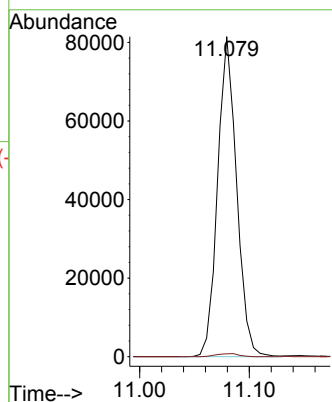
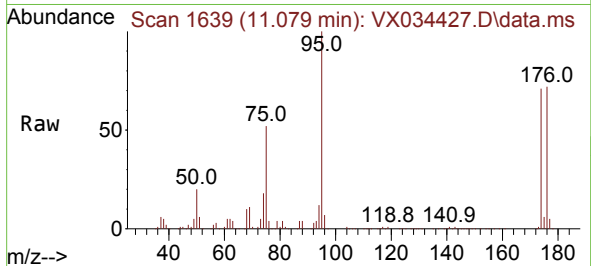




#76
1,2,3-Trichloropropane
Concen: 24.899 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

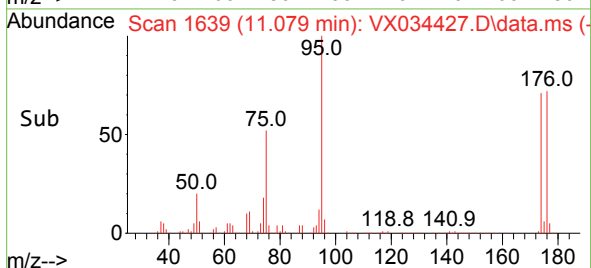
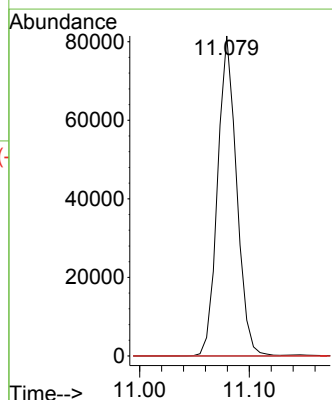
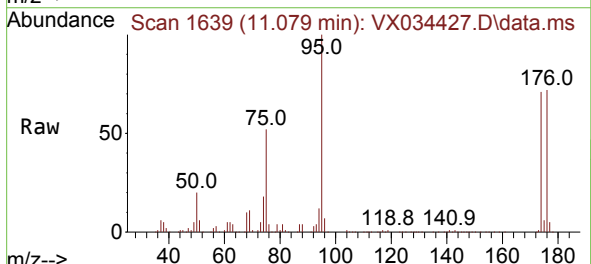
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20230308

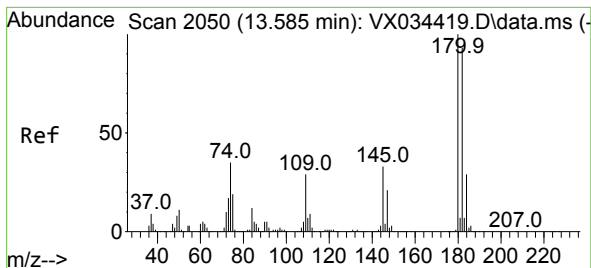
Tgt Ion: 75 Resp: 98225
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.359 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034427.D
Acq: 13 Mar 2023 13:03

Tgt Ion: 75 Resp: 98225
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.237 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX034427.D

Acq: 13 Mar 2023 13:03

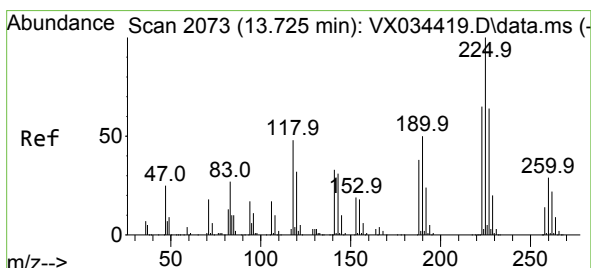
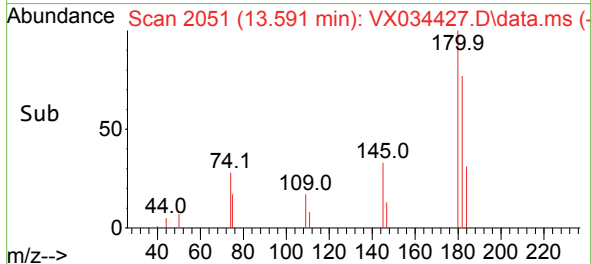
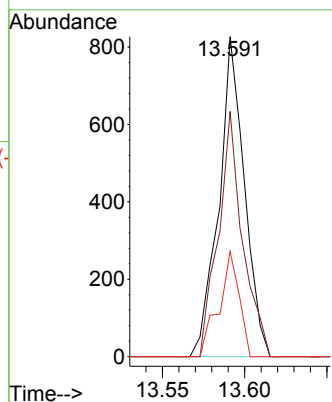
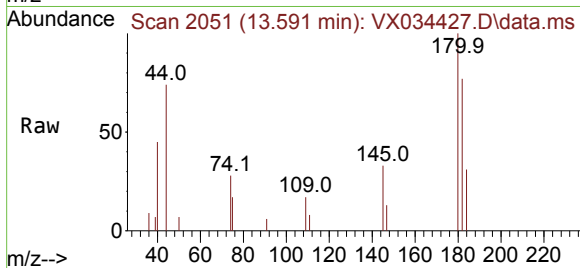
Instrument :

MSVOA_X

ClientSampleId :

DUP03-20230308

Tgt Ion:180	Resp:	895
Ion Ratio	Lower	Upper
180	100	
182	72.6	47.0 141.0
145	26.0	15.9 47.7



#94

Hexachlorobutadiene

Concen: 0.456 ug/l

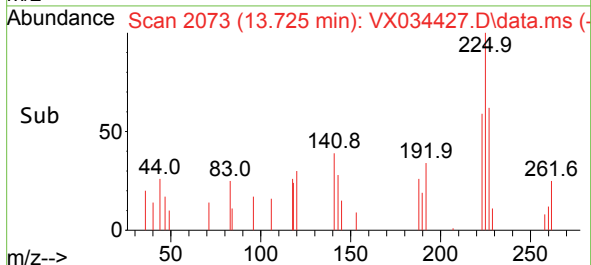
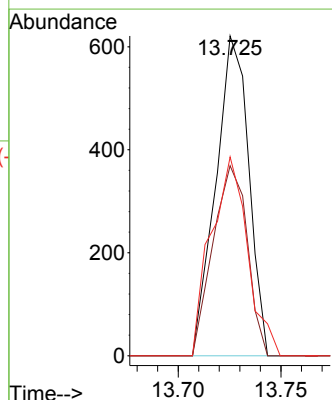
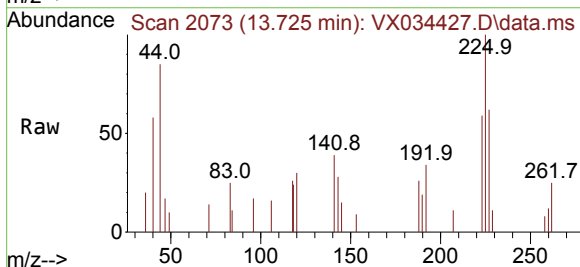
RT: 13.725 min Scan# 2073

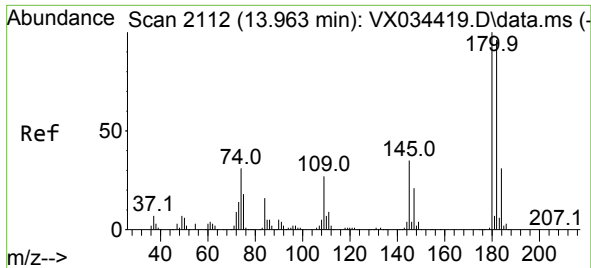
Delta R.T. 0.000 min

Lab File: VX034427.D

Acq: 13 Mar 2023 13:03

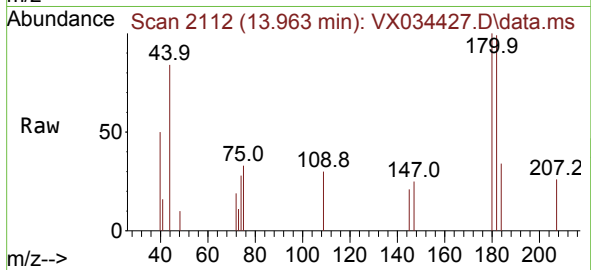
Tgt Ion:225	Resp:	693
Ion Ratio	Lower	Upper
225	100	
223	61.8	32.1 96.5
227	68.7	31.8 95.4





#96
 1,2,3-Trichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX034427.D
 Acq: 13 Mar 2023 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20230308



Tgt Ion:	180	Resp:	777
Ion Ratio	Lower	Upper	
180	100		
182	89.6	48.0	144.2
145	24.3	17.7	53.1

