

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028381.D
 Acq On : 27 Apr 2022 16:19
 Operator : JC/MD
 Sample : N2560-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2827

Quant Time: Apr 28 04:23:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

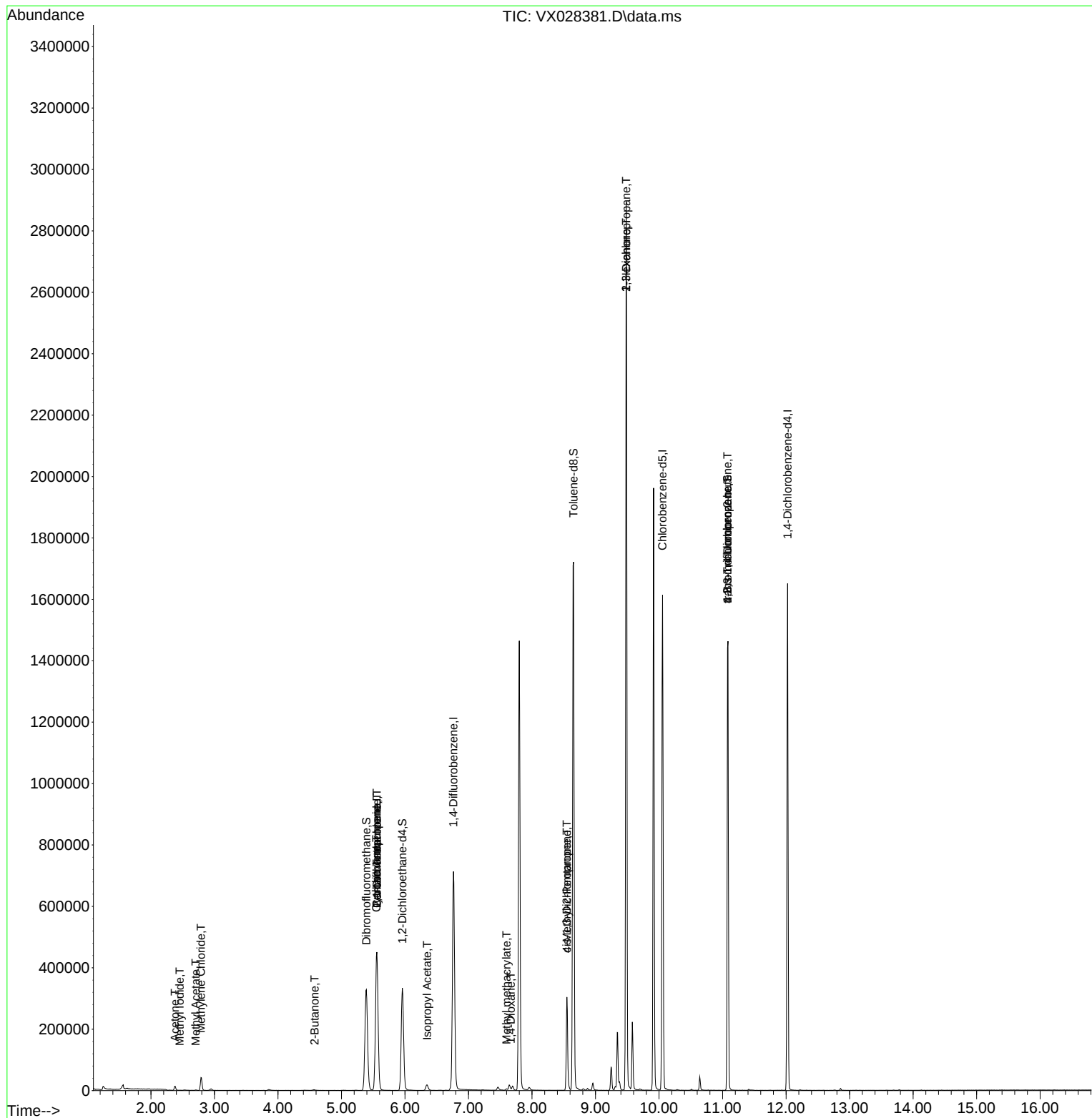
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	445864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	766321	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	762952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	352648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	314070	54.024	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.040%	
35) Dibromofluoromethane	5.391	113	289162	53.806	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.620%	
50) Toluene-d8	8.653	98	1079509	52.299	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.600%	
62) 4-Bromofluorobenzene	11.079	95	392910	49.784	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.560%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	264	Below Cal	#	87
5) Bromomethane	1.618	94	747	Below Cal		95
6) Chloroethane	1.666	64	326	Below Cal		93
8) Diethyl Ether	2.130	74	142	Below Cal	#	26
10) Methyl Iodide	2.453	142	343	5.297	ug/l #	64
11) Tert butyl alcohol	2.947	59	2756	Below Cal	#	72
16) Acetone	2.380	43	14401	6.752	ug/l	90
18) Methyl Acetate	2.703	43	1705	0.330	ug/l	92
20) Methylene Chloride	2.788	84	20426	4.735	ug/l	98
25) 2-Butanone	4.574	43	2462	0.715	ug/l	94
31) Cyclohexane	5.550	56	8475	1.197	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	31833	4.541	ug/l #	50
38) Carbon Tetrachloride	5.556	117	43835	5.539	ug/l #	15
43) Isopropyl Acetate	6.348	43	25782	2.227	ug/l	95
48) Methyl methacrylate	7.598	41	7232	1.361	ug/l #	7
49) 1,4-Dioxane	7.665	88	60	0.422	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	98150	13.212	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	51542	5.964	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	26822	2.869	ug/l #	43
59) 2-Hexanone	9.482	43	307261	53.395	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	198363	28.581	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	198363	84.936	ug/l #	15

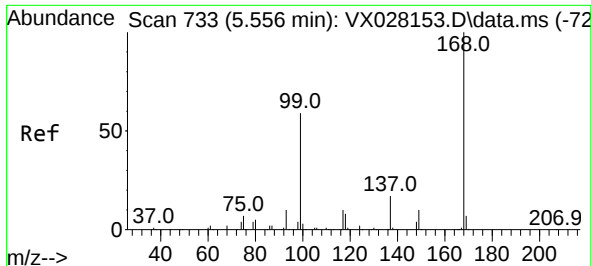
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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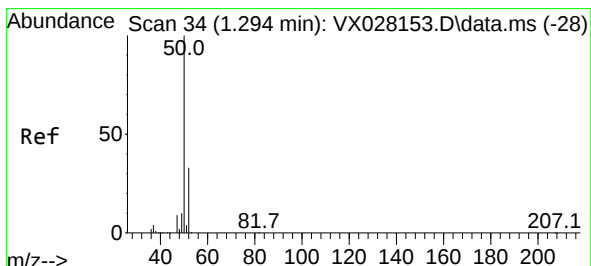
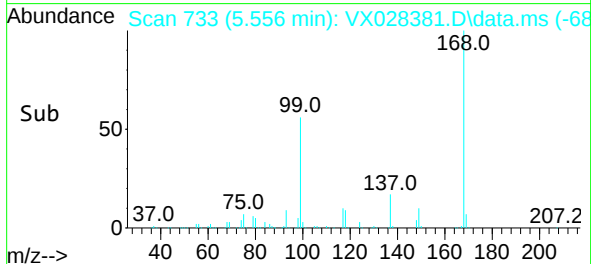
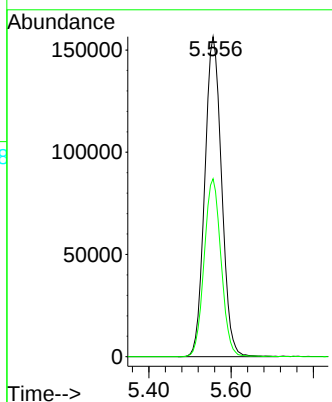
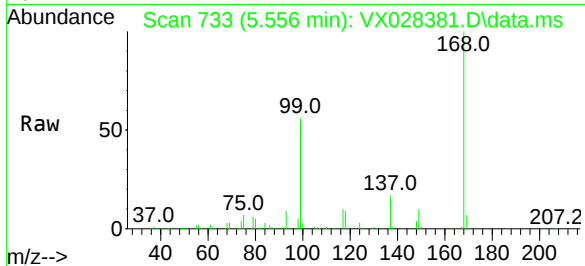




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

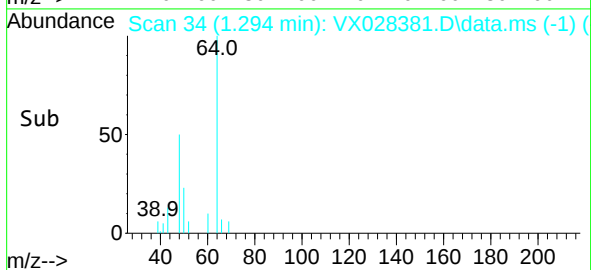
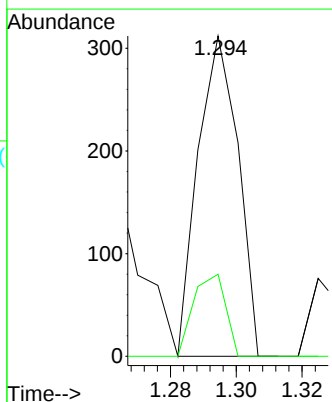
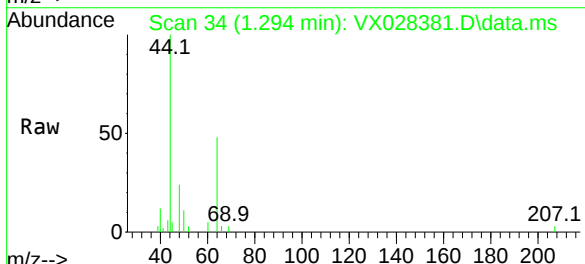
Instrument :
MSVOA_X
ClientSampleId :
2827

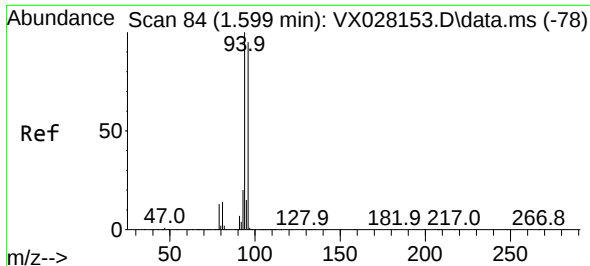
Tgt Ion:168 Resp: 445864
Ion Ratio Lower Upper
168 100
99 55.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Tgt Ion: 50 Resp: 264
Ion Ratio Lower Upper
50 100
52 25.6 26.4 39.6#

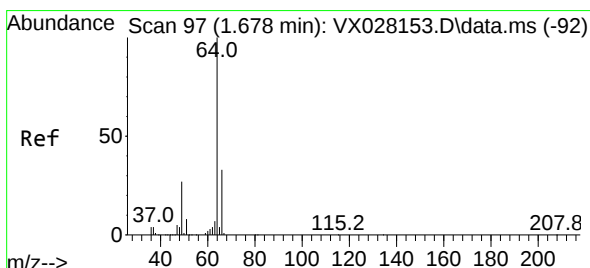
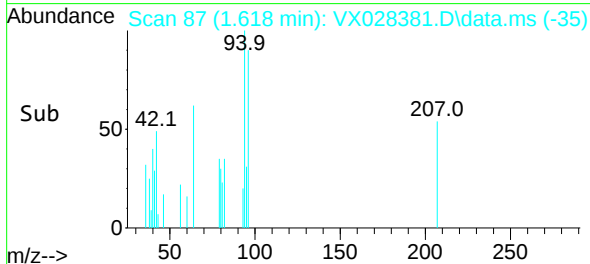
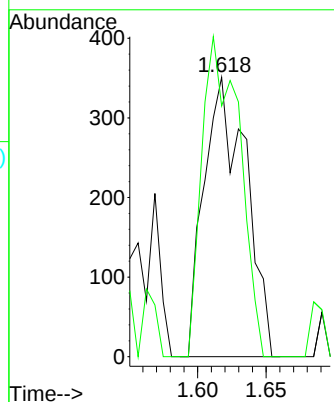
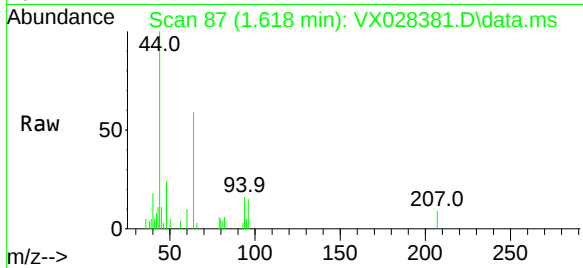




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

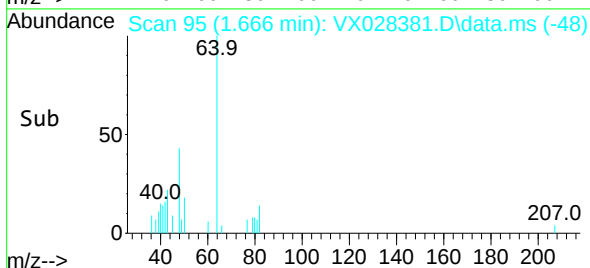
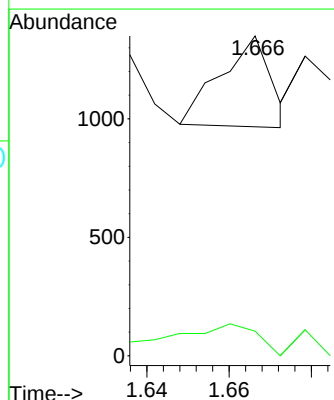
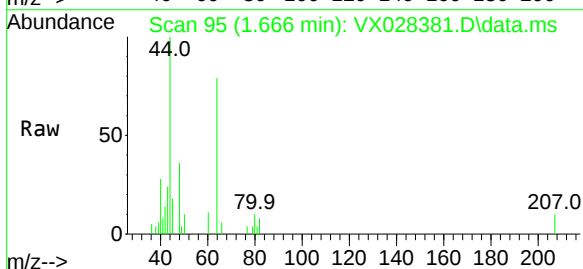
Instrument :
MSVOA_X
ClientSampleId :
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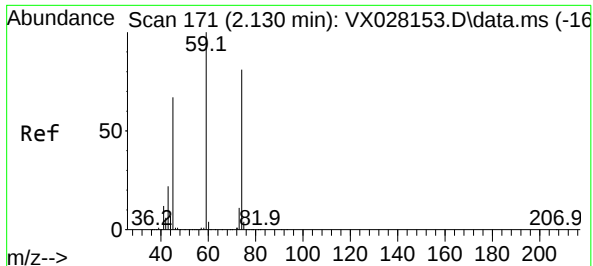
Tgt Ion: 94 Resp: 747
Ion Ratio Lower Upper
94 100
96 89.7 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

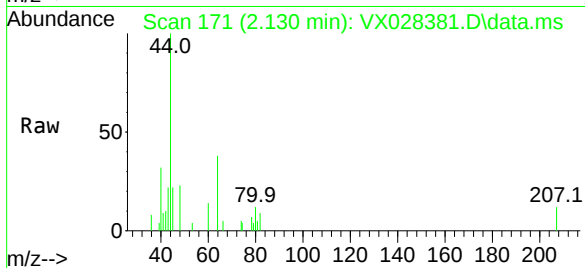
Tgt Ion: 64 Resp: 326
Ion Ratio Lower Upper
64 100
66 27.9 25.3 37.9



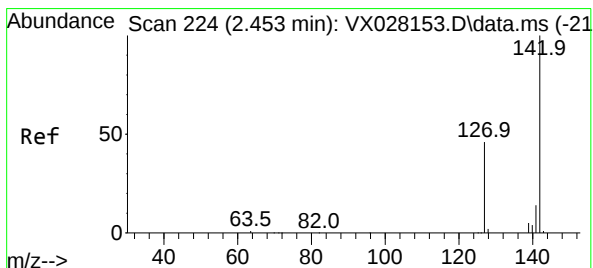
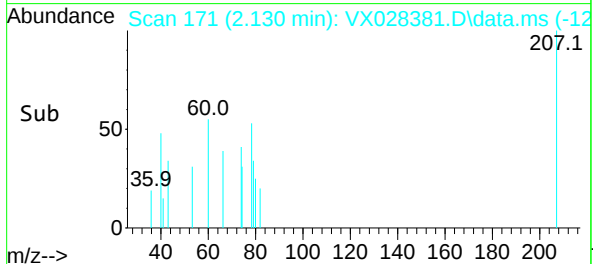
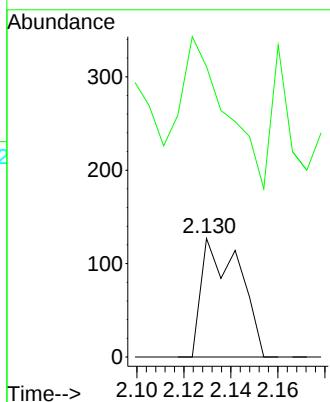


#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Instrument :
MSVOA_X
ClientSampleId :
2827

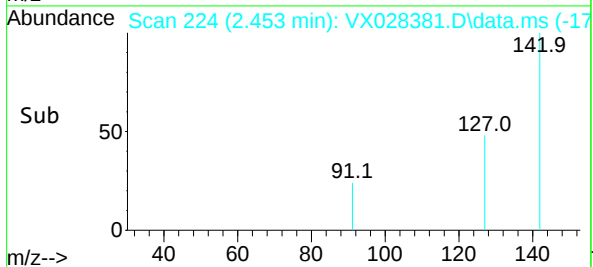
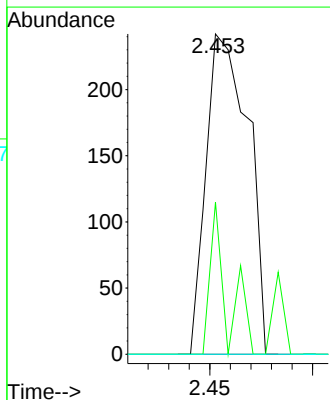
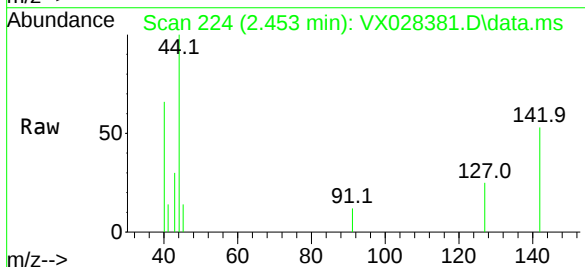


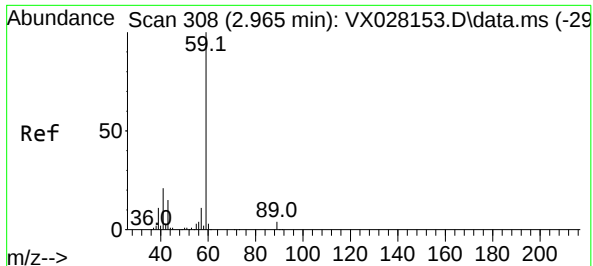
Tgt Ion: 74 Resp: 142
Ion Ratio Lower Upper
74 100
45 150.7 42.0 126.0#



#10
Methyl Iodide
Concen: 5.297 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Tgt Ion: 142 Resp: 343
Ion Ratio Lower Upper
142 100
127 19.5 33.9 50.9#
141 0.0 11.4 17.2#

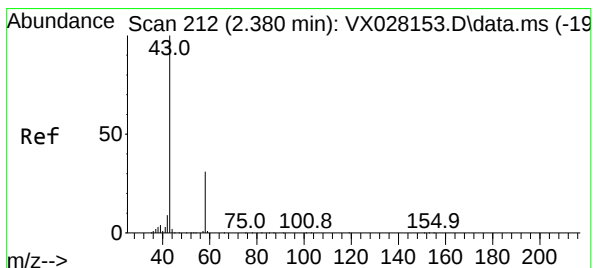
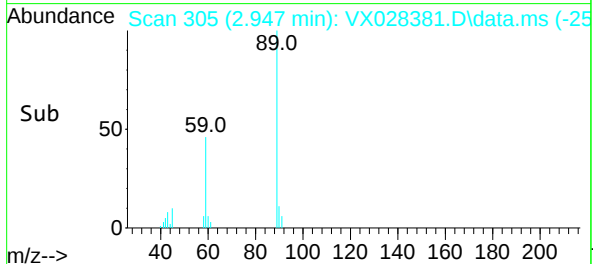
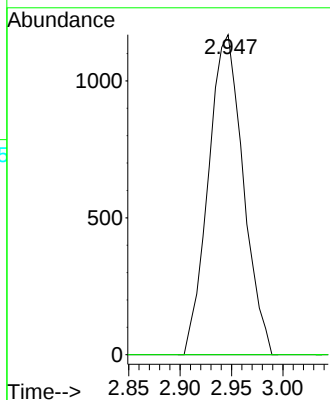
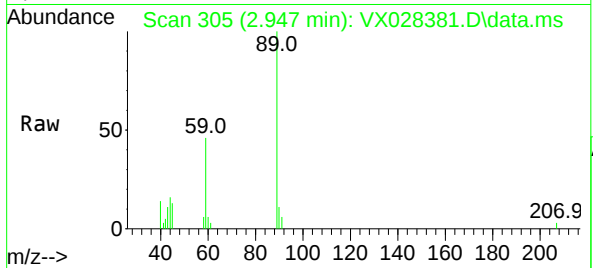




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

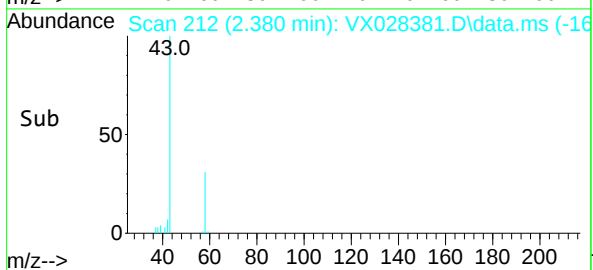
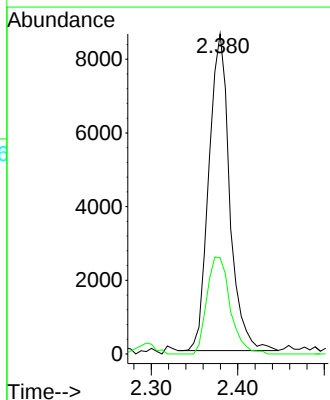
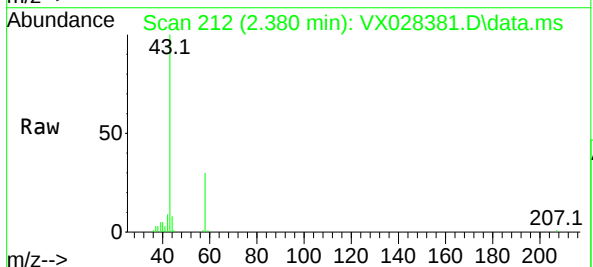
Instrument :
MSVOA_X
ClientSampleId :
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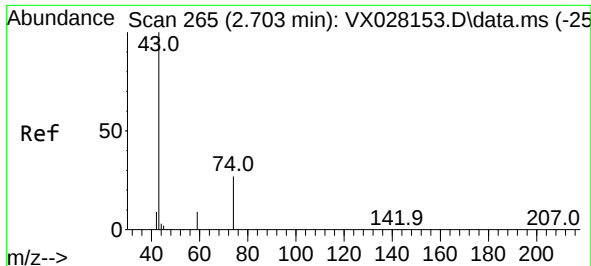
Tgt Ion: 59 Resp: 2756
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.752 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Tgt Ion: 43 Resp: 14401
Ion Ratio Lower Upper
43 100
58 30.4 28.8 43.2

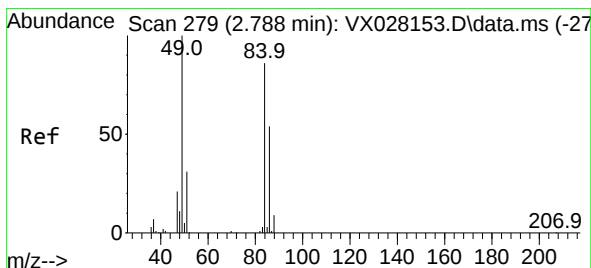
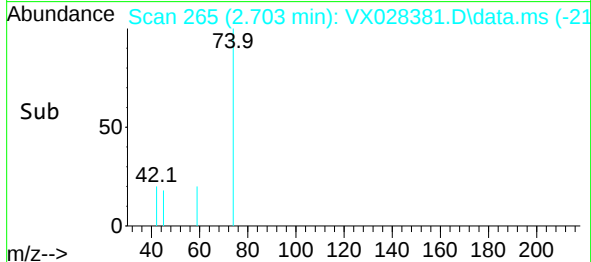
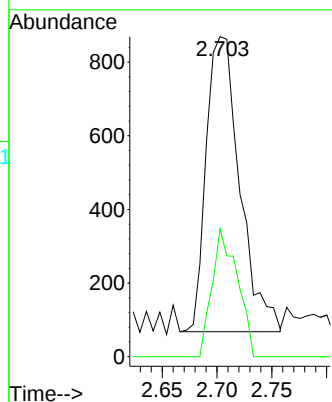
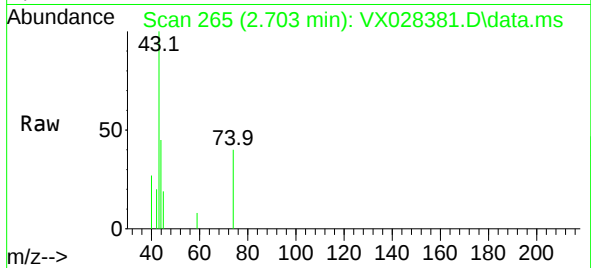




#18
Methyl Acetate
Concen: 0.330 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

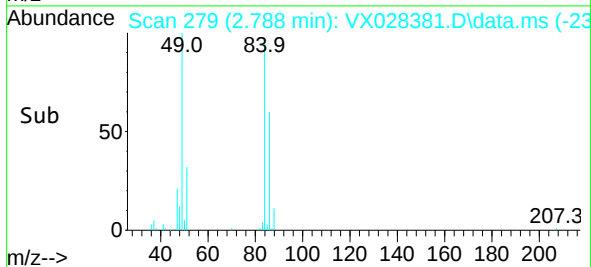
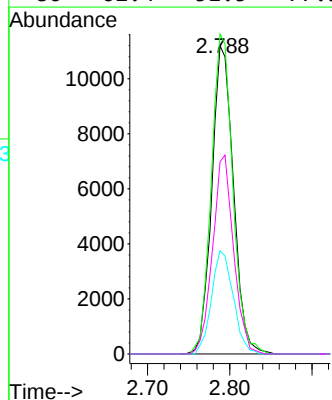
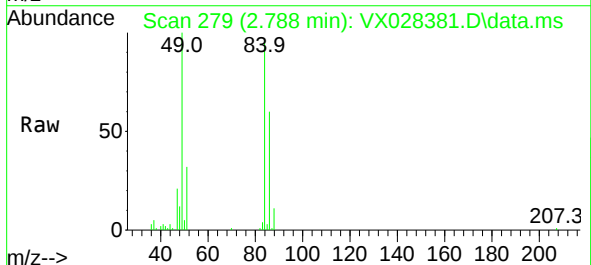
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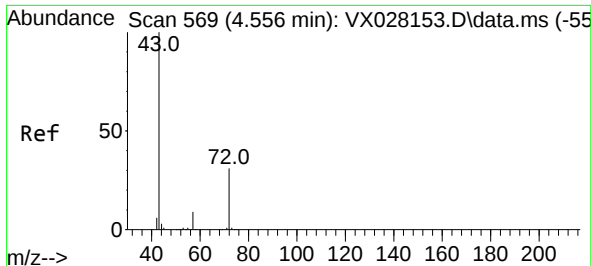
Tgt Ion: 43 Resp: 1705
Ion Ratio Lower Upper
43 100
74 32.7 22.8 34.2



#20
Methylene Chloride
Concen: 4.735 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Tgt Ion: 84 Resp: 20426
Ion Ratio Lower Upper
84 100
49 103.8 85.5 128.3
51 33.5 26.6 39.8
86 62.4 51.5 77.3





#25

2-Butanone

Concen: 0.715 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028381.D

Acq: 27 Apr 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

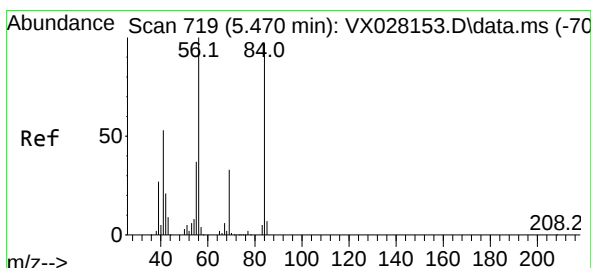
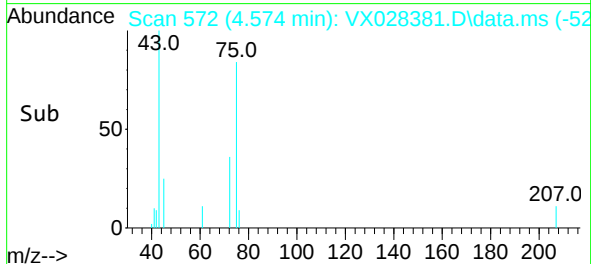
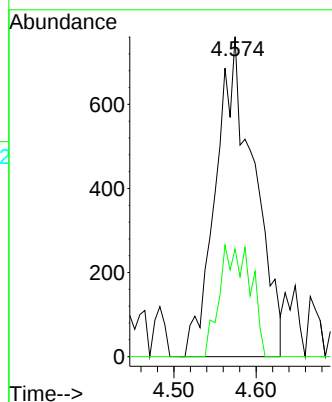
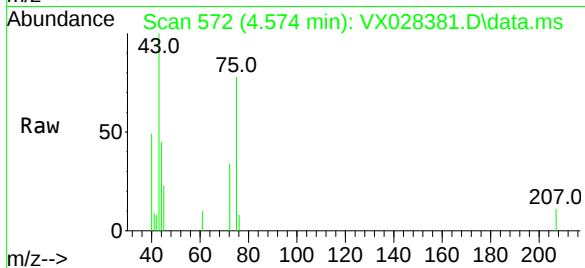
2827

Tgt Ion: 43 Resp: 2462

Ion Ratio Lower Upper

43 100

72 33.6 24.4 36.6



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028381.D

Acq: 27 Apr 2022 16:19

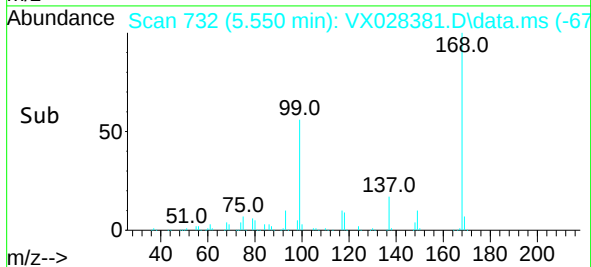
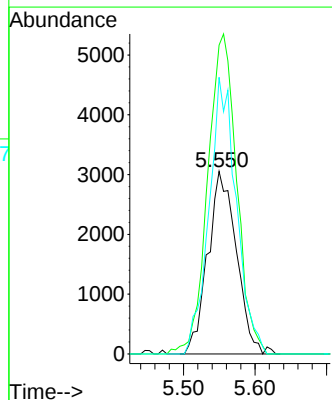
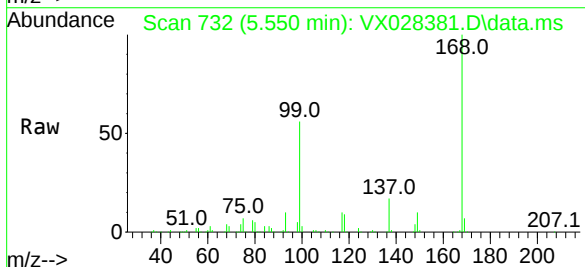
Tgt Ion: 56 Resp: 8475

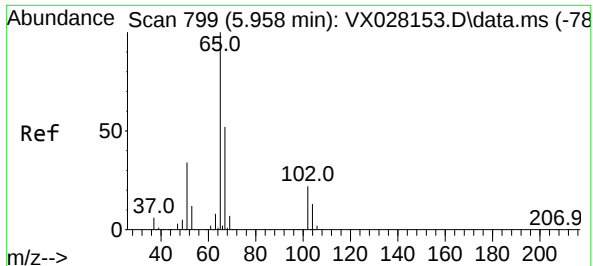
Ion Ratio Lower Upper

56 100

69 169.2 26.7 40.1#

84 151.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 54.024 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028381.D

Acq: 27 Apr 2022 16:19

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ClientSampleId :

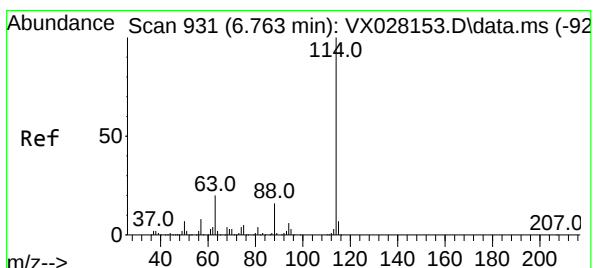
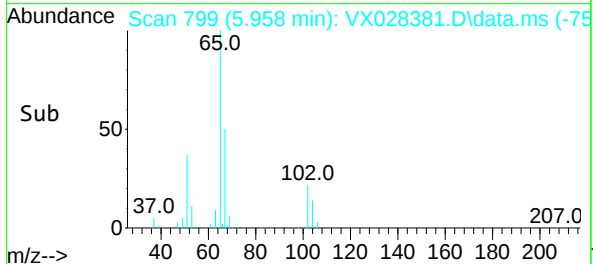
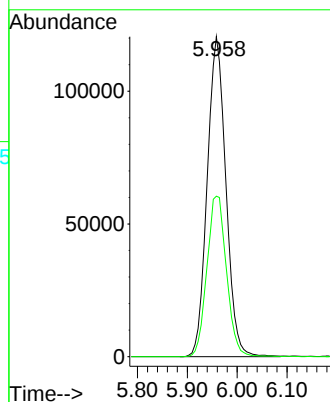
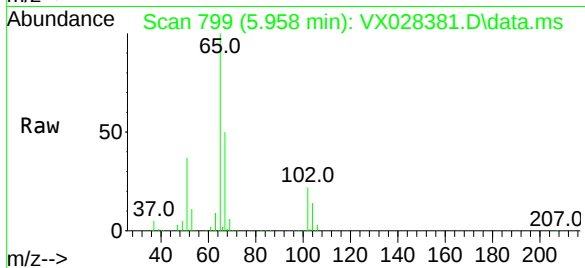
2827

Tgt Ion: 65 Resp: 314070

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028381.D

Acq: 27 Apr 2022 16:19

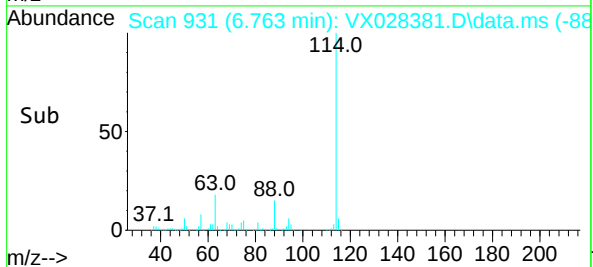
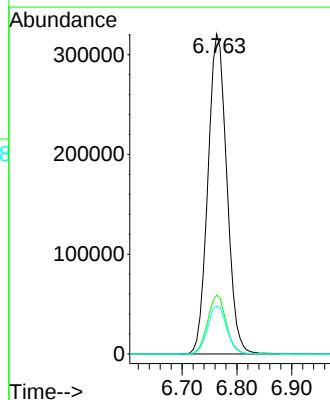
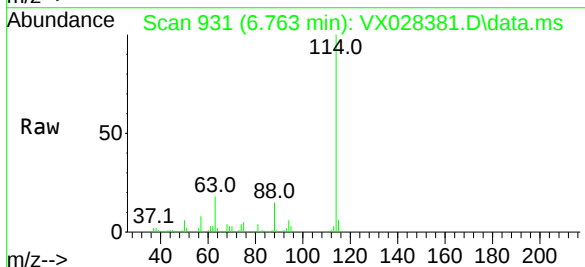
Tgt Ion: 114 Resp: 766321

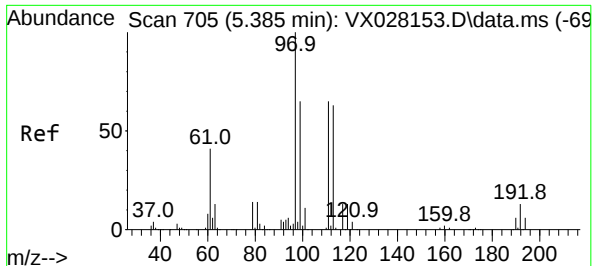
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 14.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.806 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028381.D

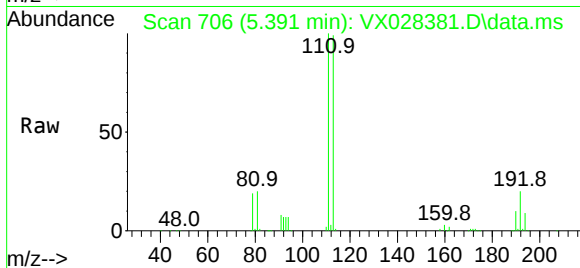
Acq: 27 Apr 2022 16:19

Instrument :

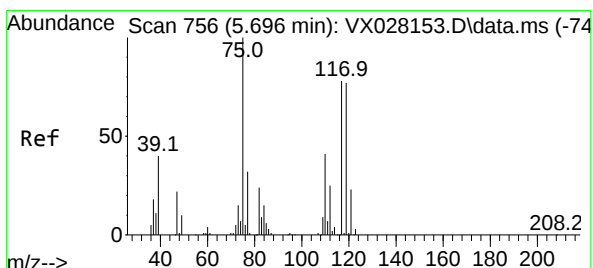
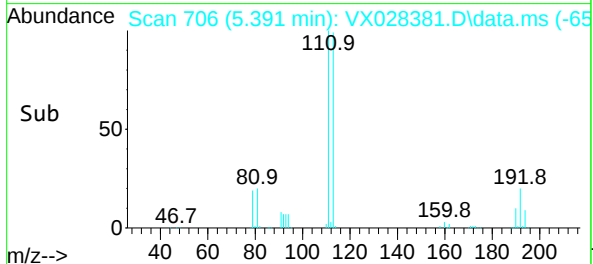
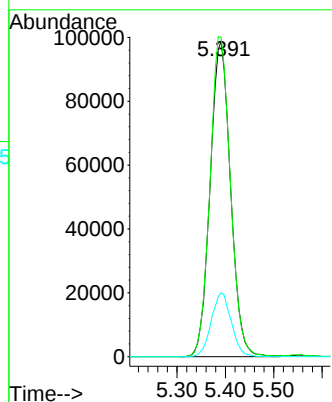
MSVOA_X

ClientSampleId :

2827



Tgt Ion:	113	Resp:	289162
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.8	124.2
192	19.9	16.9	25.3



#36

1,1-Dichloropropene

Concen: 4.541 ug/l

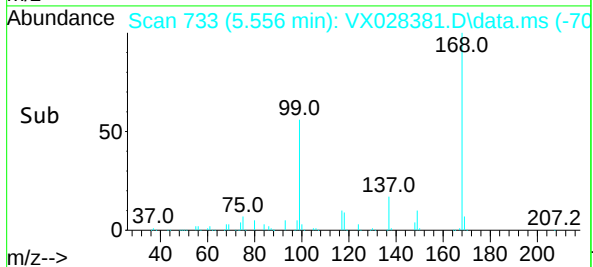
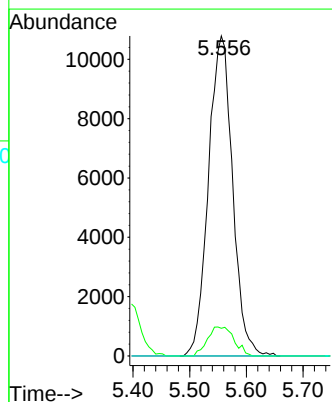
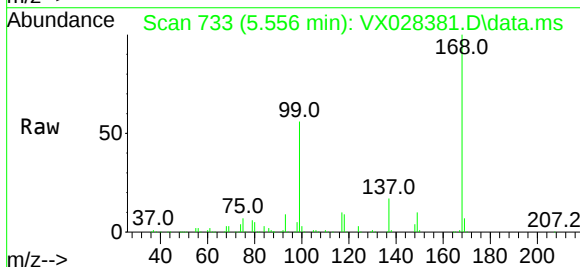
RT: 5.556 min Scan# 733

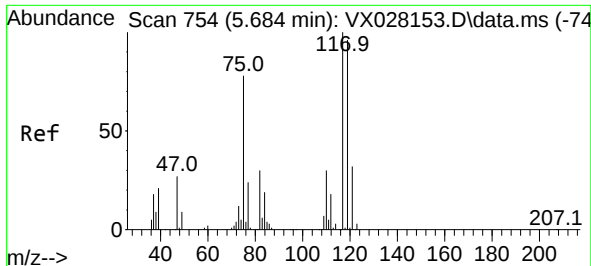
Delta R.T. -0.140 min

Lab File: VX028381.D

Acq: 27 Apr 2022 16:19

Tgt Ion:	75	Resp:	31833
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.3	54.8#
77	0.0	24.8	37.2#

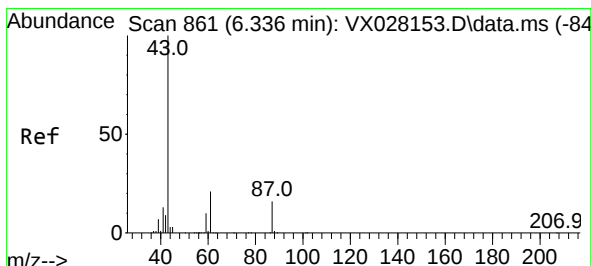
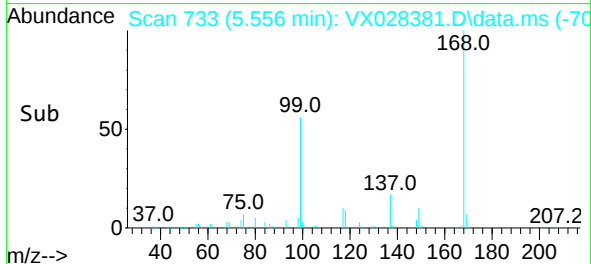
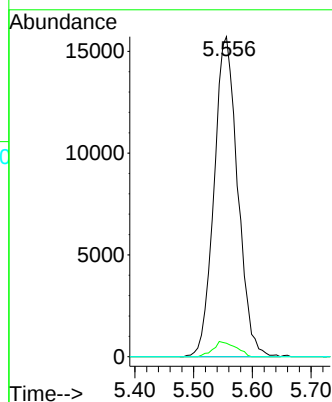
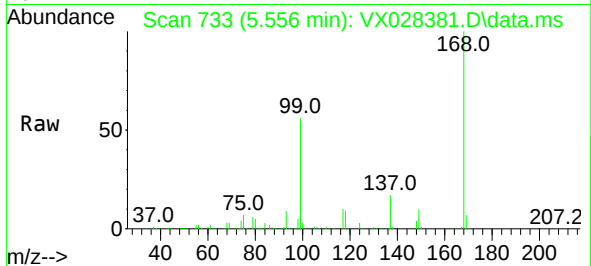




#38
Carbon Tetrachloride
Concen: 5.539 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

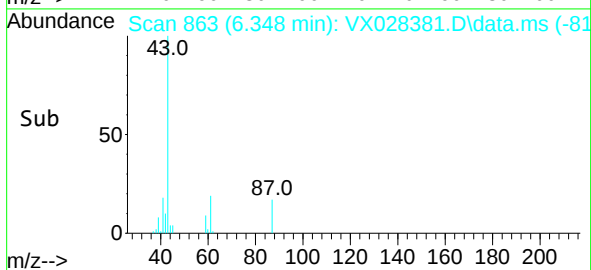
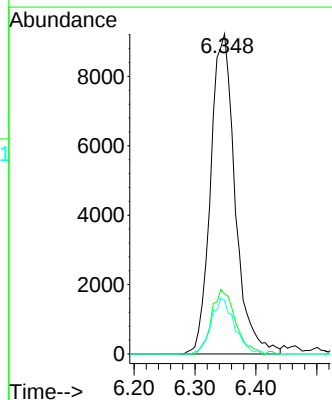
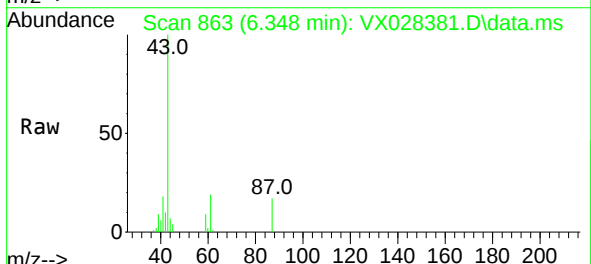
Instrument :
MSVOA_X
ClientSampleId :
2827

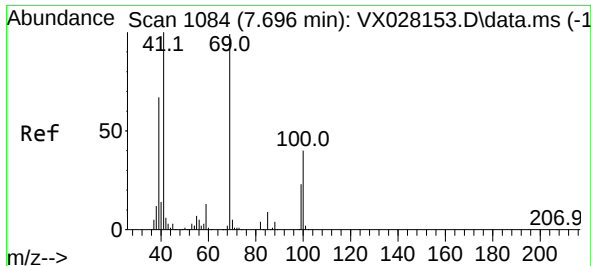
Tgt Ion:117 Resp: 43835
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.227 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Tgt Ion: 43 Resp: 25782
Ion Ratio Lower Upper
43 100
61 19.5 18.5 27.7
87 16.6 13.0 19.6





#48

Methyl methacrylate

Concen: 1.361 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX028381.D

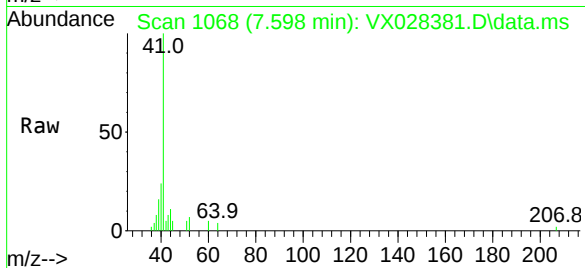
Acq: 27 Apr 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

2827



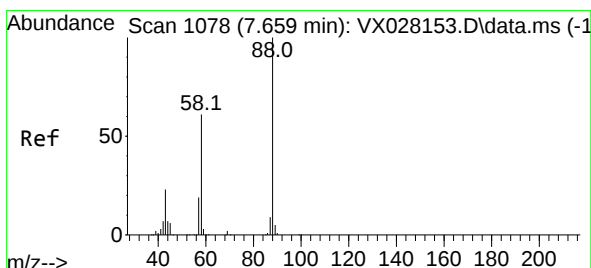
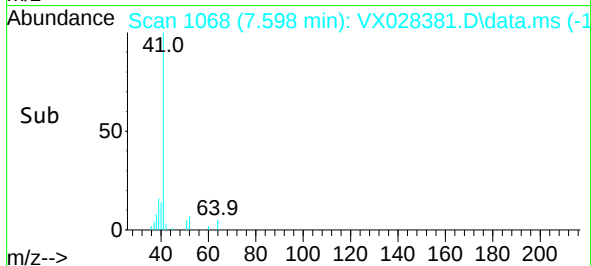
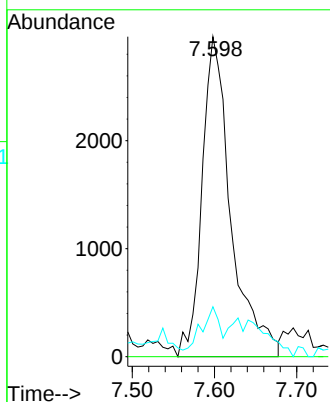
Tgt Ion: 41 Resp: 7232

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 0.422 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX028381.D

Acq: 27 Apr 2022 16:19

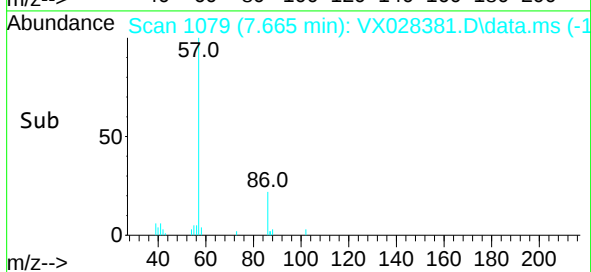
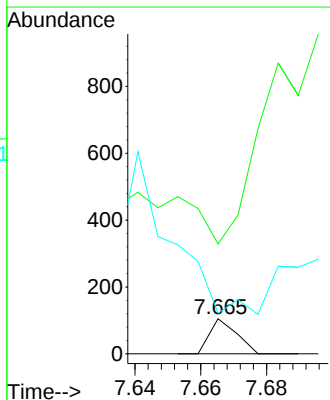
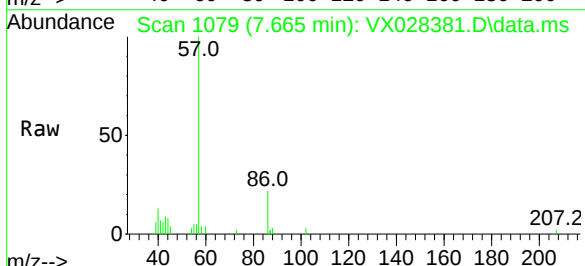
Tgt Ion: 88 Resp: 60

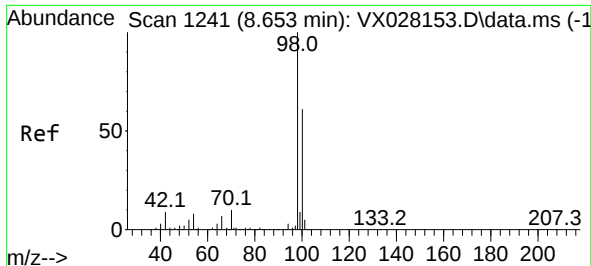
Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 0.0 53.7 80.5#

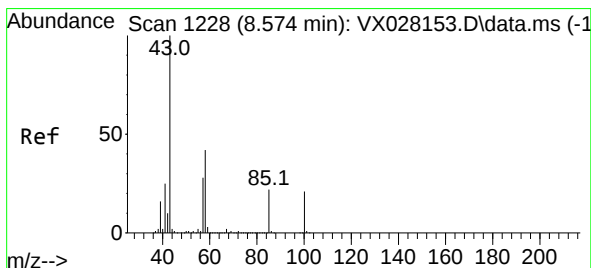
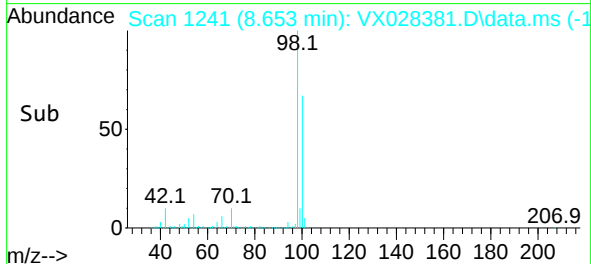
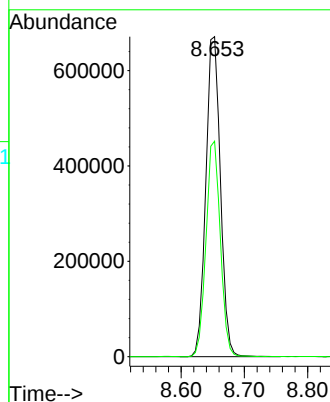
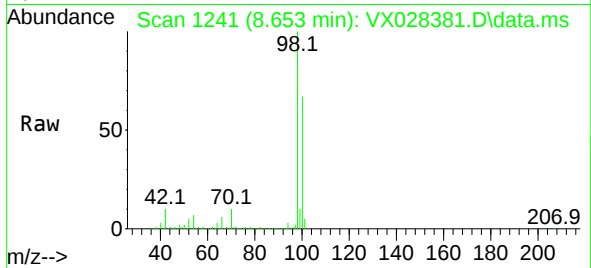




#50
Toluene-d8
Concen: 52.299 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

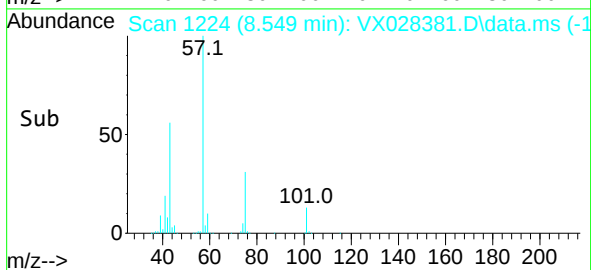
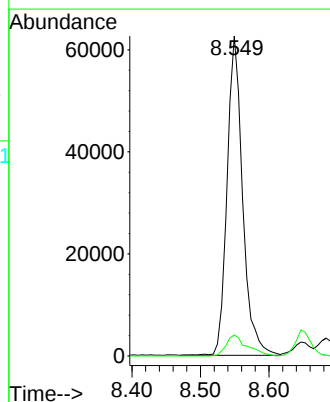
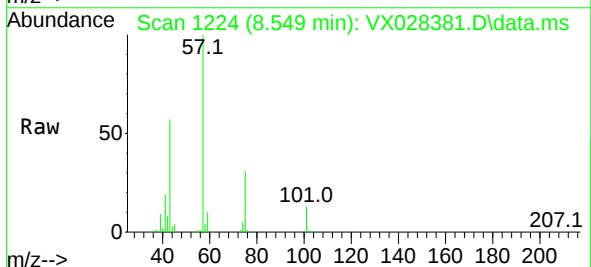
Instrument :
MSVOA_X
ClientSampleId :
2827

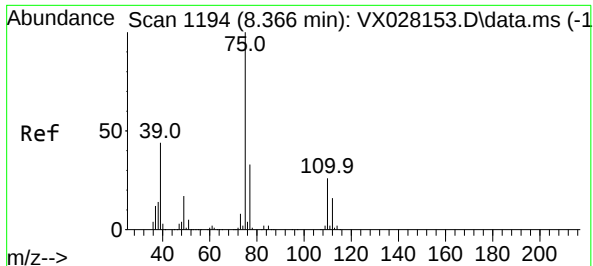
Tgt Ion: 98 Resp: 1079509
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 13.212 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Tgt Ion: 43 Resp: 98150
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#

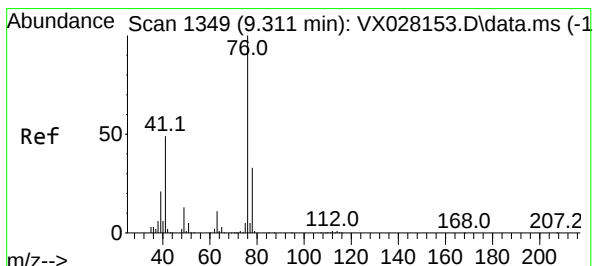
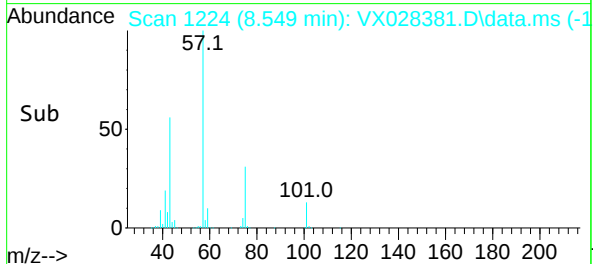
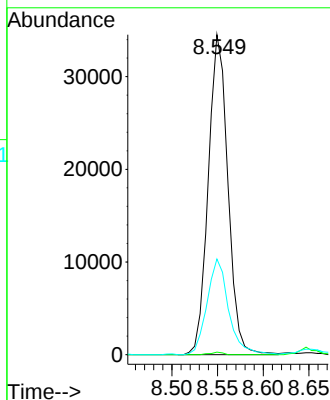
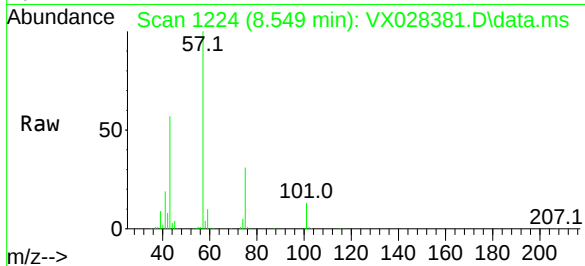




#54
 cis-1,3-Dichloropropene
 Concen: 5.964 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028381.D
 Acq: 27 Apr 2022 16:19

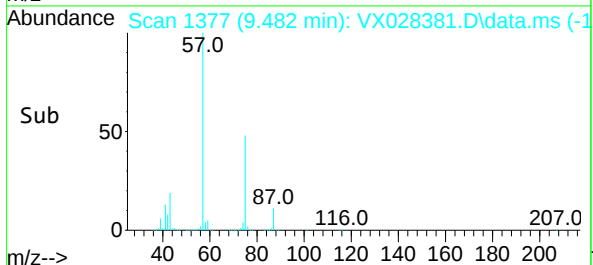
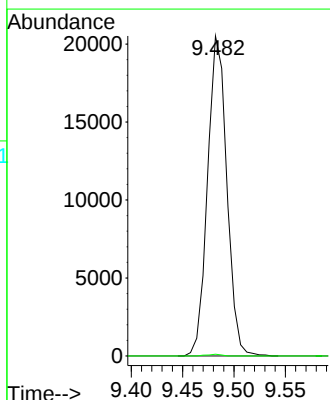
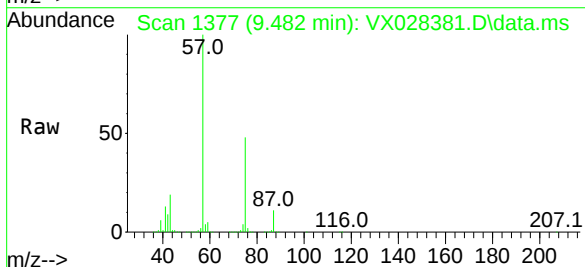
Instrument :
 MSVOA_X
 ClientSampleId :
 2827

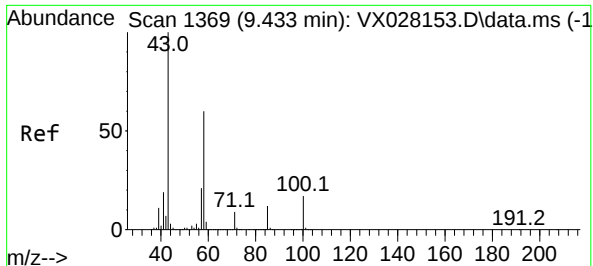
Tgt Ion: 75 Resp: 51542
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.8 37.2#
 39 29.9 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 2.869 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028381.D
 Acq: 27 Apr 2022 16:19

Tgt Ion: 76 Resp: 26822
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#

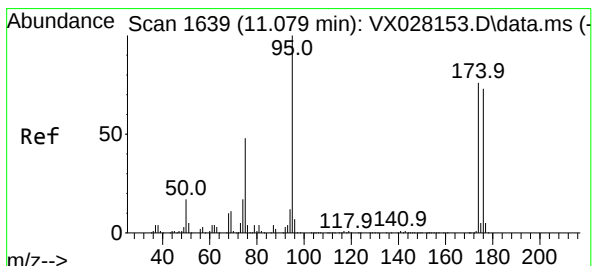
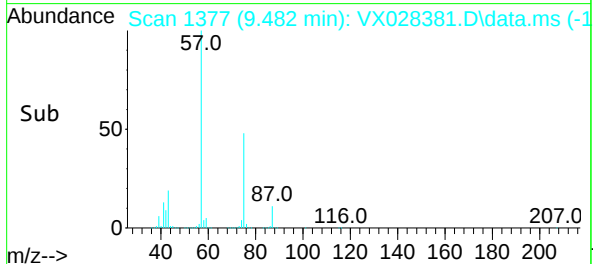
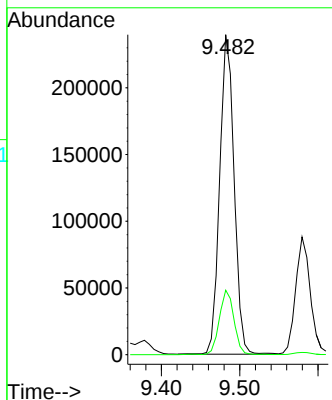
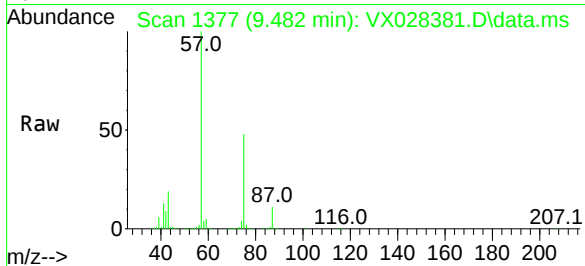




#59
2-Hexanone
Concen: 53.395 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

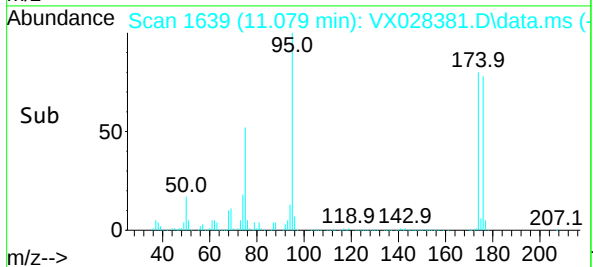
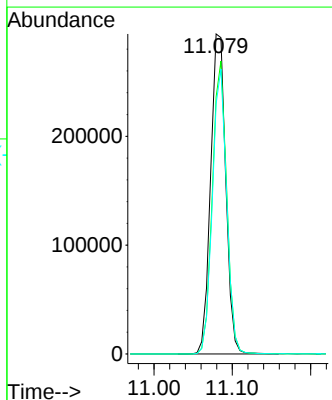
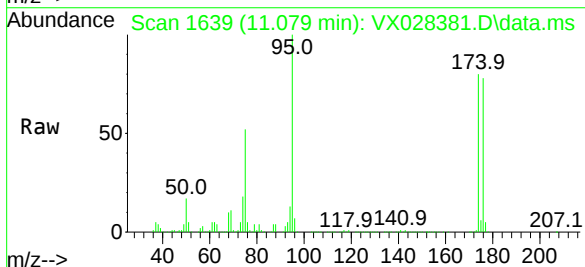
Instrument :
MSVOA_X
ClientSampleId :
2827

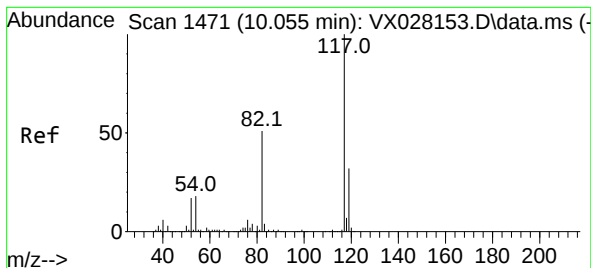
Tgt Ion: 43 Resp: 307261
Ion Ratio Lower Upper
43 100
58 20.3 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 49.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Tgt Ion: 95 Resp: 392910
Ion Ratio Lower Upper
95 100
174 87.2 0.0 163.0
176 84.6 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028381.D

Acq: 27 Apr 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

2827

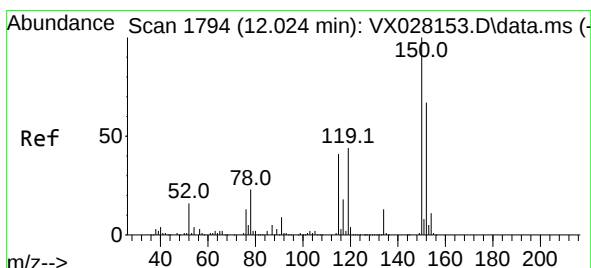
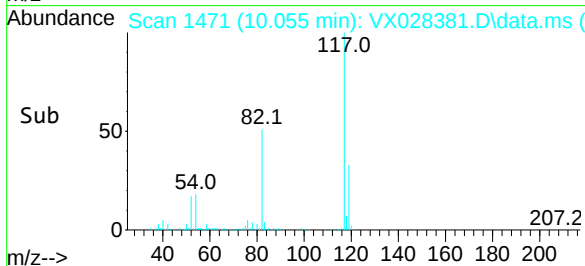
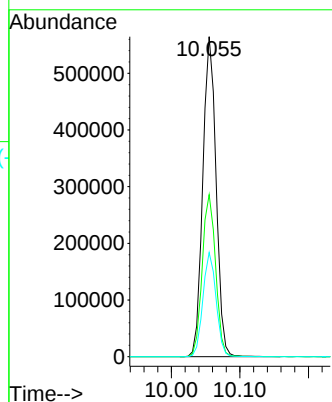
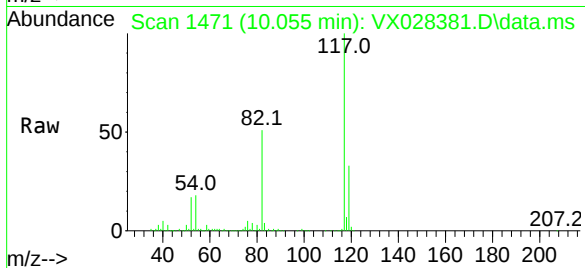
Tgt Ion:117 Resp: 762952

Ion Ratio Lower Upper

117 100

82 50.7 41.8 62.8

119 32.6 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028381.D

Acq: 27 Apr 2022 16:19

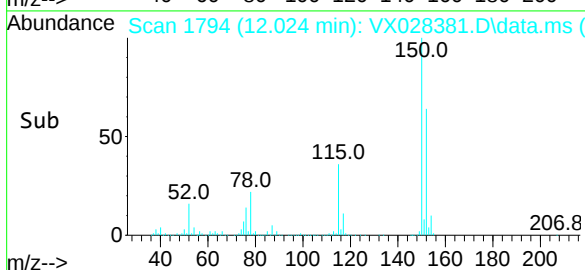
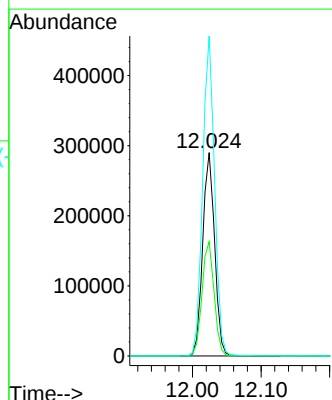
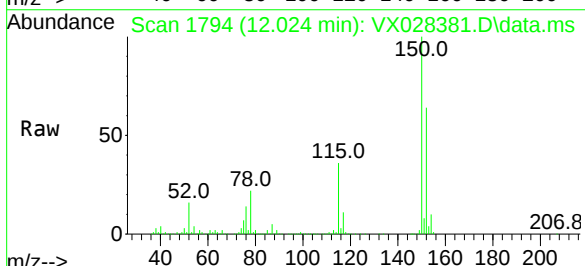
Tgt Ion:152 Resp: 352648

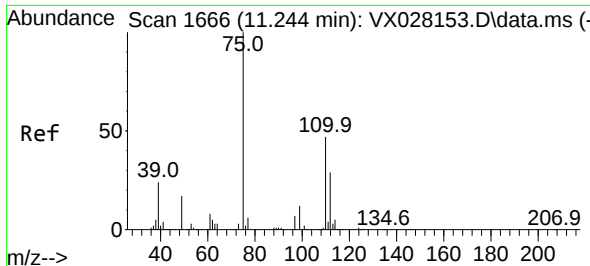
Ion Ratio Lower Upper

152 100

115 57.0 37.5 112.7

150 156.3 0.0 338.2

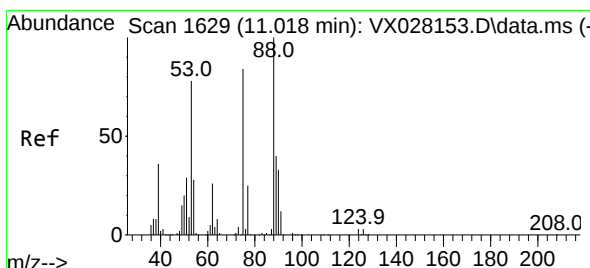
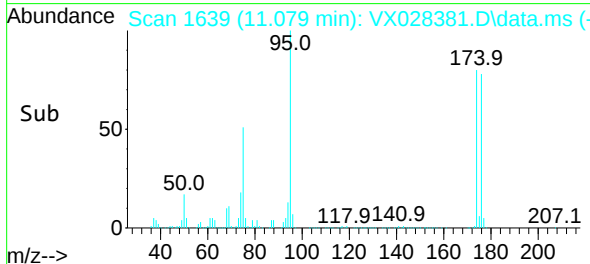
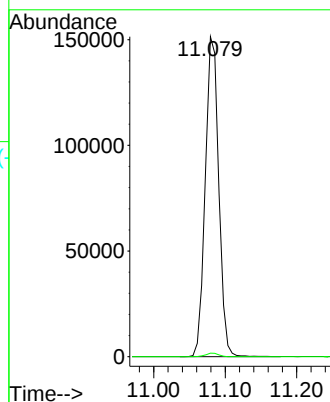
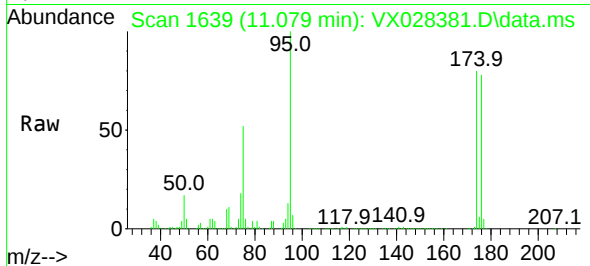




#76
1,2,3-Trichloropropane
Concen: 28.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Instrument :
MSVOA_X
ClientSampleId :
2827

Tgt Ion: 75 Resp: 198363
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.936 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028381.D
Acq: 27 Apr 2022 16:19

Tgt Ion: 75 Resp: 198363
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

