

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041422\
 Data File : VX028101.D
 Acq On : 14 Apr 2022 12:54
 Operator : JC/MD
 Sample : N2381-01
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 26572

Quant Time: Apr 15 03:12:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

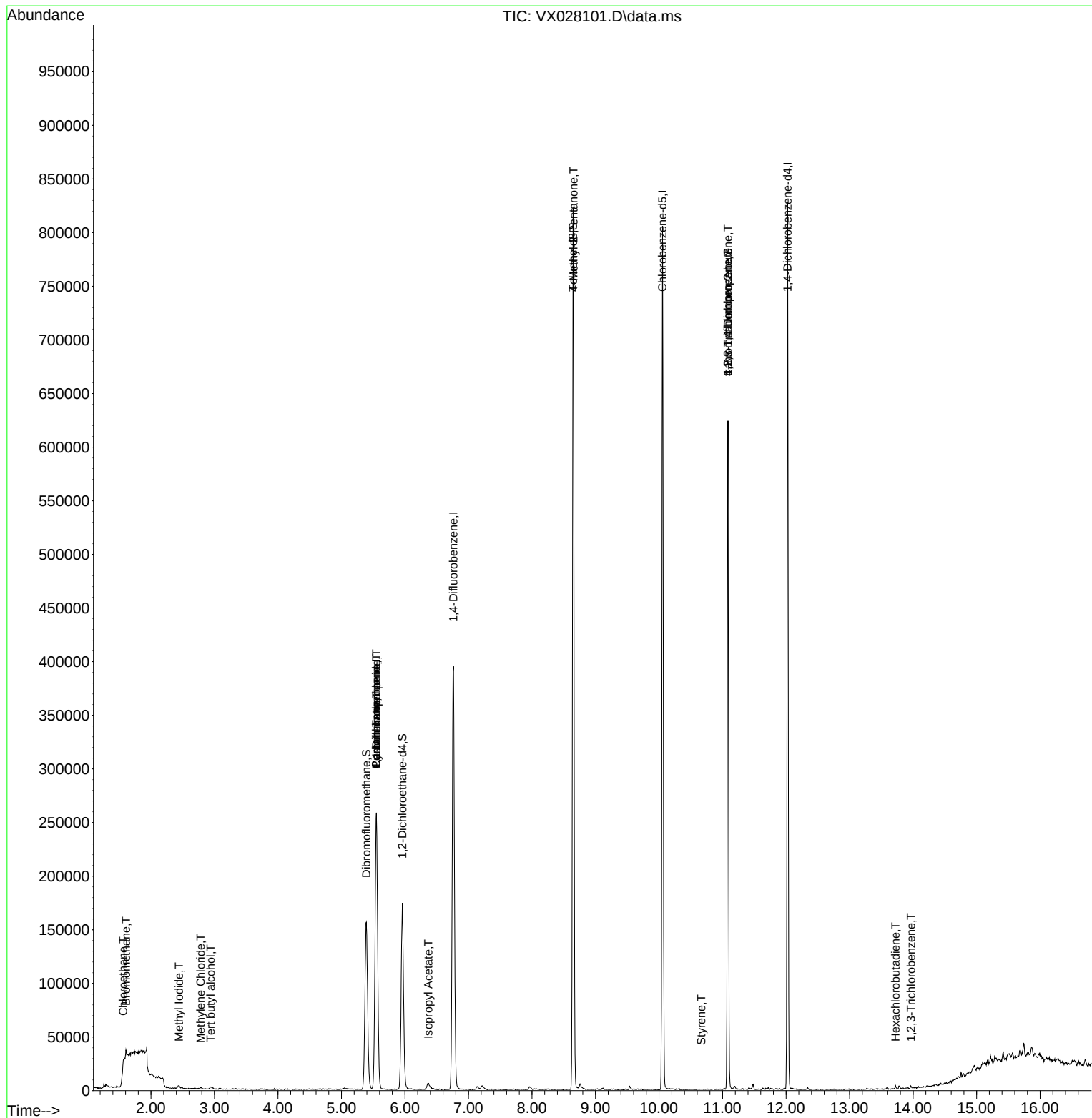
Internal Standards						
1) Pentafluorobenzene	5.550	168	251015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	415633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	152881	44.893	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.780%		
35) Dibromofluoromethane	5.391	113	133966	49.188	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.380%		
50) Toluene-d8	8.647	98	489920	48.232	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.460%		
62) 4-Bromofluorobenzene	11.085	95	149132	39.322	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	78.640%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	3858	0.712	ug/l	84
6) Chloroethane	1.563	64	10769	6.430	ug/l #	55
10) Methyl Iodide	2.441	142	2679	0.909	ug/l	98
11) Tert butyl alcohol	2.940	59	769	0.973	ug/l #	72
13) Acrolein	2.252	56	169	Below Cal	#	15
20) Methylene Chloride	2.782	84	704	0.249	ug/l #	85
31) Cyclohexane	5.550	56	5941	1.269	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	19953	4.800	ug/l #	49
38) Carbon Tetrachloride	5.550	117	24614	5.547	ug/l #	16
43) Isopropyl Acetate	6.367	43	3761	0.466	ug/l #	58
51) 4-Methyl-2-Pentanone	8.653	43	2617	0.509	ug/l #	1
70) Styrene	10.665	104	104	4.713	ug/l #	54
76) 1,2,3-Trichloropropane	11.085	75	84813	24.285	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	84813	68.400	ug/l #	15
94) Hexachlorobutadiene	13.725	225	467	0.390	ug/l	92
96) 1,2,3-Trichlorobenzene	13.969	180	666	0.227	ug/l	96

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

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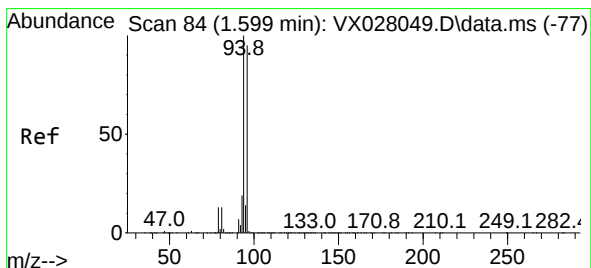
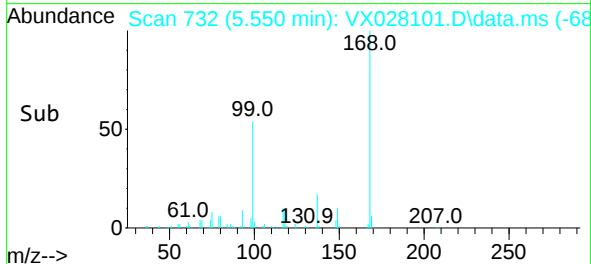
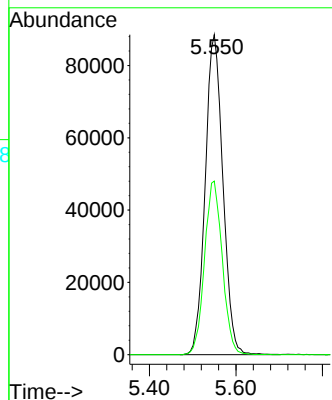
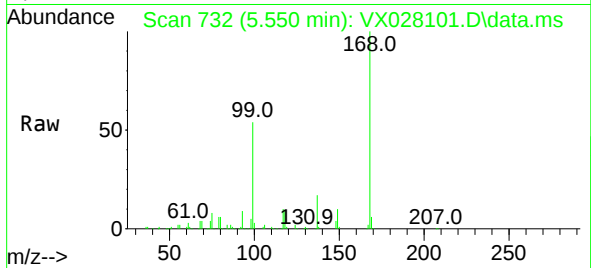




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

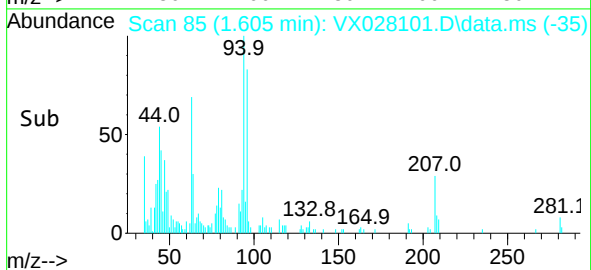
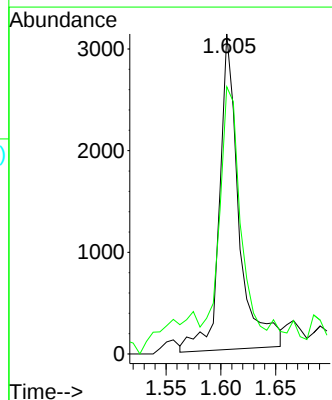
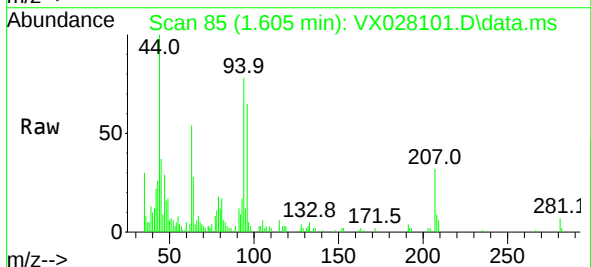
Instrument :
MSVOA_X
ClientSampleId :
26572

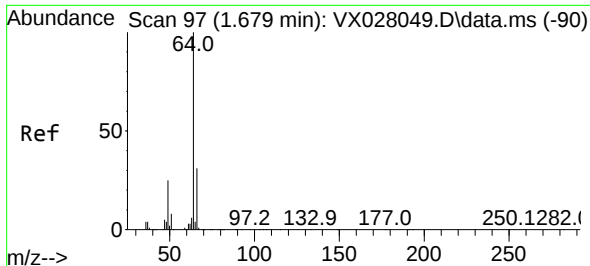
Tgt Ion:168 Resp: 251015
Ion Ratio Lower Upper
168 100
99 54.2 41.7 62.5



#5
Bromomethane
Concen: 0.712 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Tgt Ion: 94 Resp: 3858
Ion Ratio Lower Upper
94 100
96 78.3 75.3 112.9

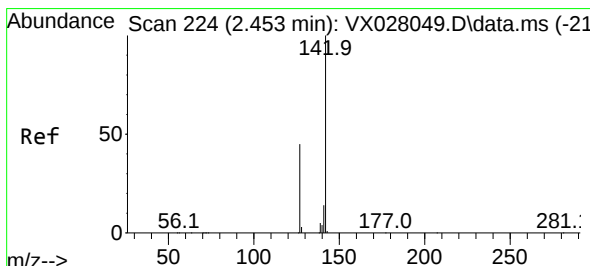
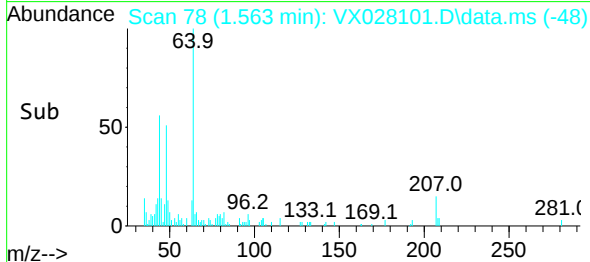
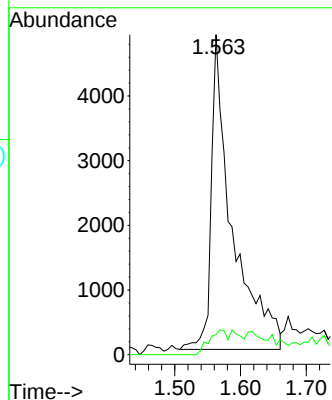
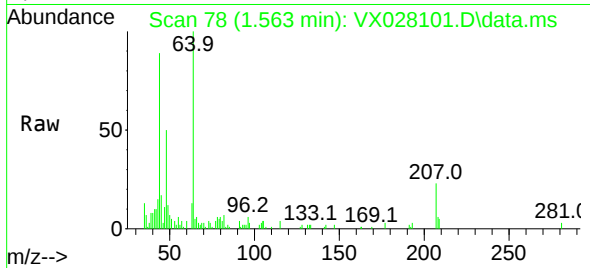




#6
Chloroethane
Concen: 6.430 ug/l
RT: 1.563 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

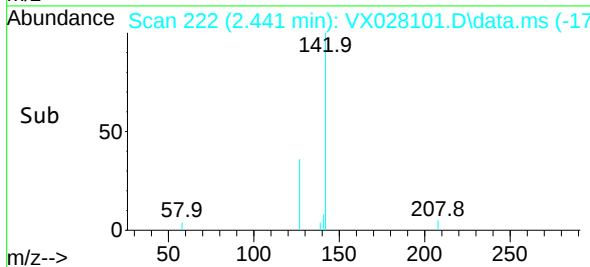
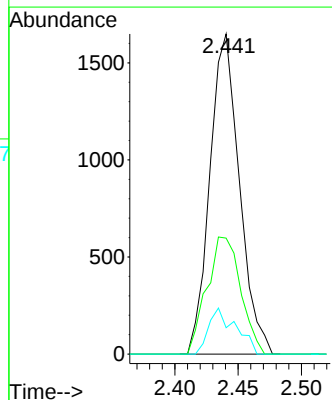
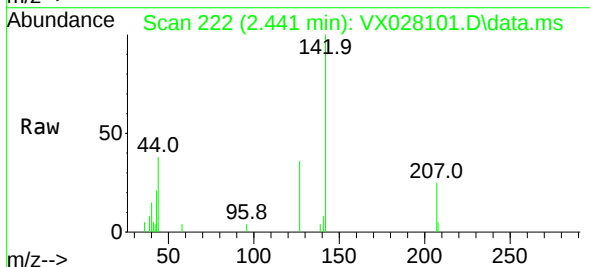
Instrument :
MSVOA_X
ClientSampleId :
26572

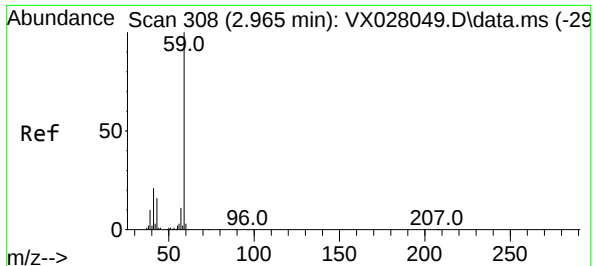
Tgt Ion: 64 Resp: 10769
Ion Ratio Lower Upper
64 100
66 6.4 25.3 37.9#



#10
Methyl Iodide
Concen: 0.909 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.012 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Tgt Ion: 142 Resp: 2679
Ion Ratio Lower Upper
142 100
127 41.7 33.9 50.9
141 13.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 0.973 ug/l

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX028101.D

Acq: 14 Apr 2022 12:54

Instrument :

MSVOA_X

ClientSampleId :

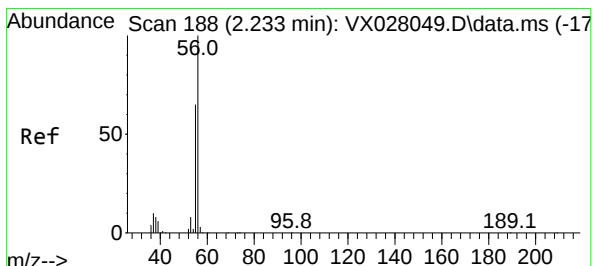
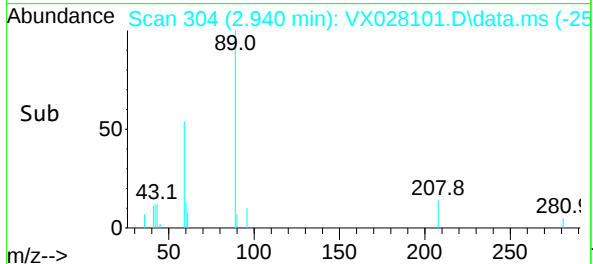
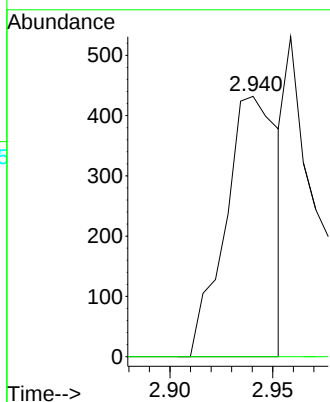
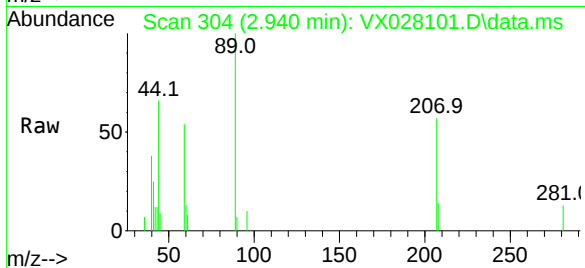
26572

Tgt Ion: 59 Resp: 769

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 2.252 min Scan# 191

Delta R.T. 0.019 min

Lab File: VX028101.D

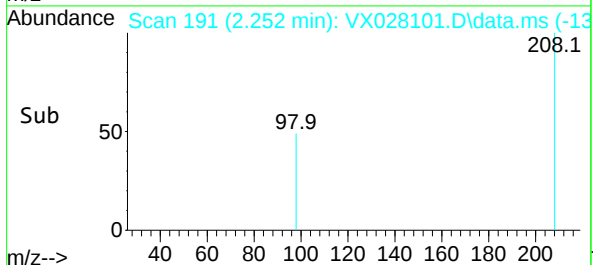
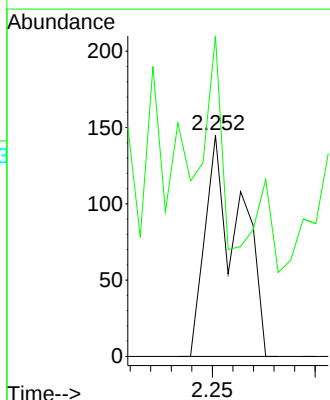
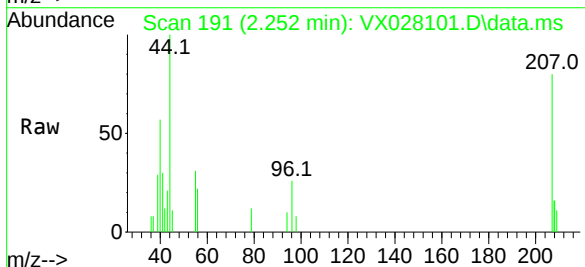
Acq: 14 Apr 2022 12:54

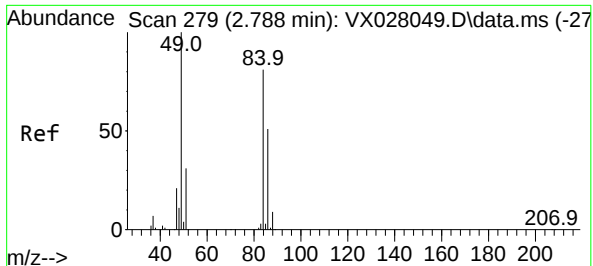
Tgt Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#



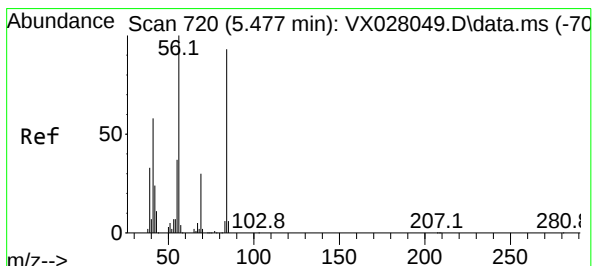
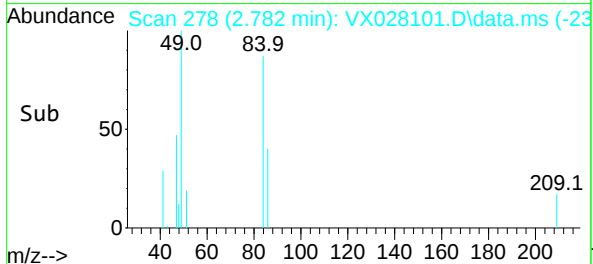
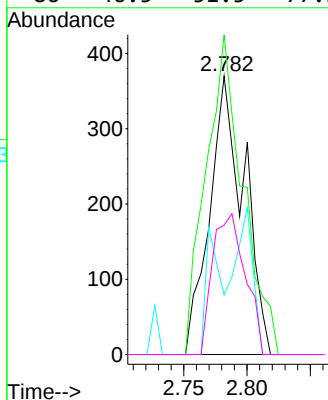
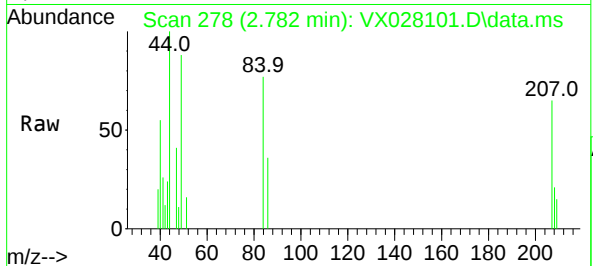


#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Instrument :
MSVOA_X
ClientSampleId :
26572

Tgt Ion: 84 Resp: 704

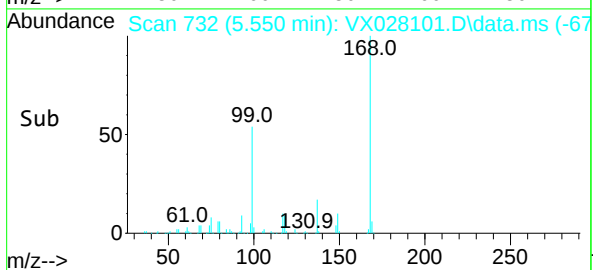
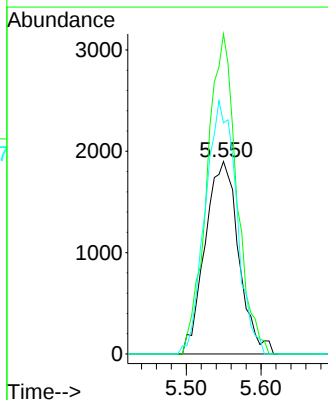
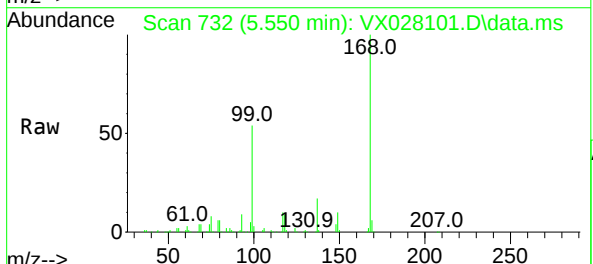
Ion	Ratio	Lower	Upper
84	100		
49	114.9	85.5	128.3
51	21.4	26.6	39.8#
86	46.5	51.5	77.3#

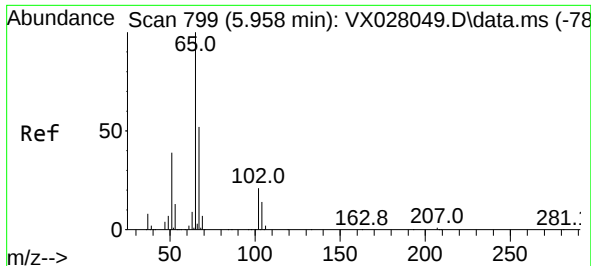


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Tgt Ion: 56 Resp: 5941

Ion	Ratio	Lower	Upper
56	100		
69	166.3	26.7	40.1#
84	120.1	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 44.893 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028101.D

Acq: 14 Apr 2022 12:54

Instrument :

MSVOA_X

ClientSampleId :

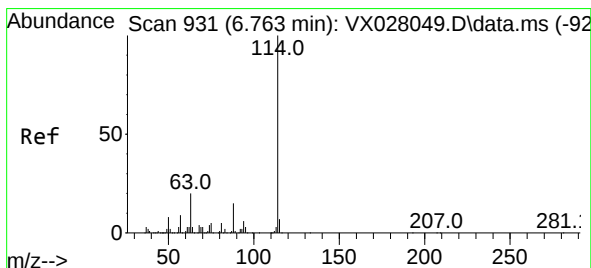
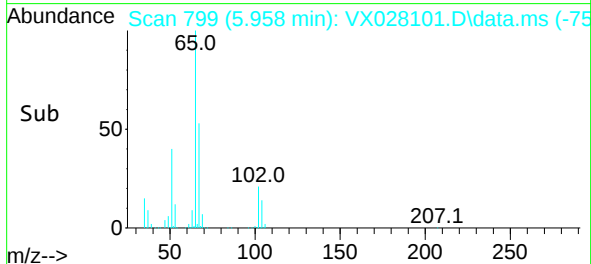
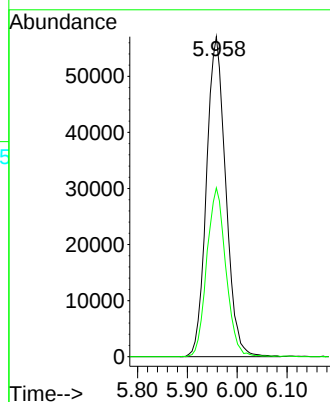
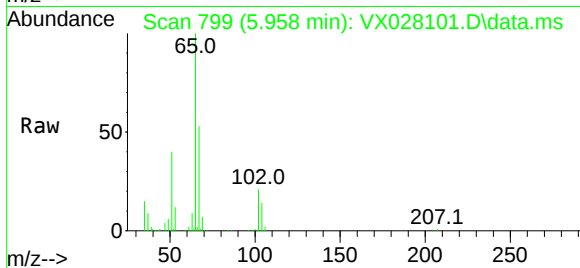
26572

Tgt Ion: 65 Resp: 152881

Ion Ratio Lower Upper

65 100

67 52.3 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: VX028101.D

Acq: 14 Apr 2022 12:54

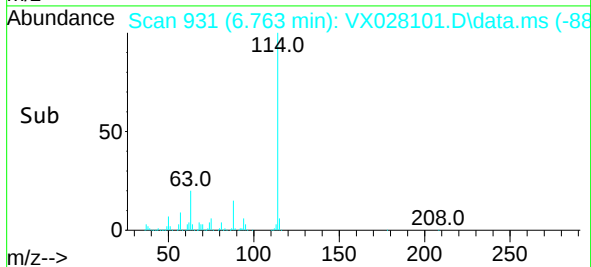
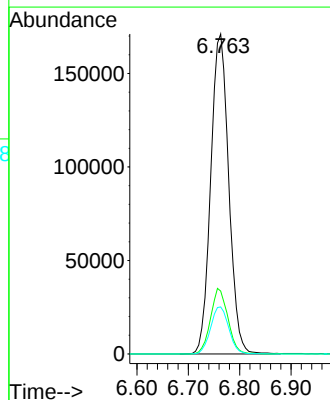
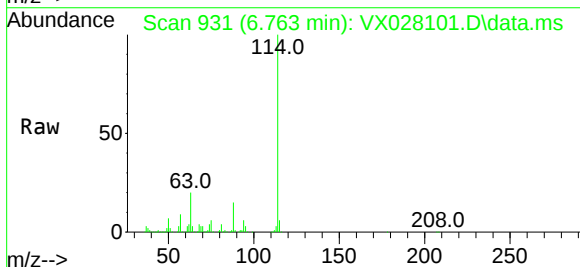
Tgt Ion: 114 Resp: 415633

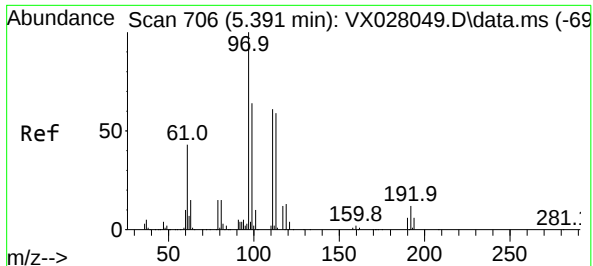
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

88 14.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.188 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX028101.D

Acq: 14 Apr 2022 12:54

Instrument :

MSVOA_X

ClientSampleId :

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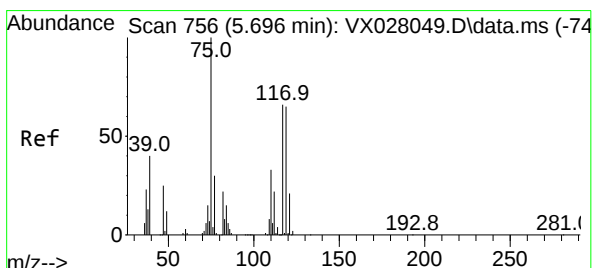
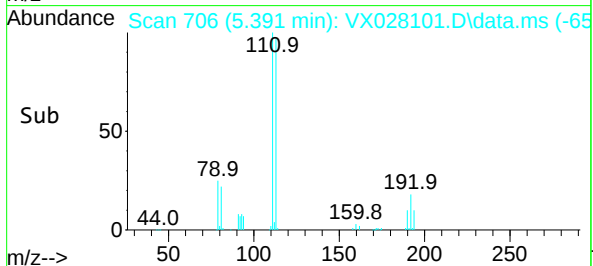
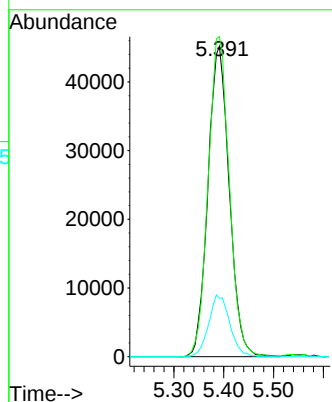
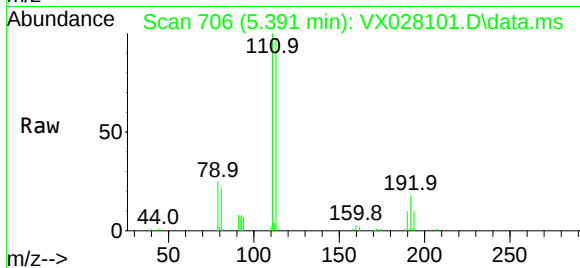
Tgt Ion:113 Resp: 133966

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.800 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028101.D

Acq: 14 Apr 2022 12:54

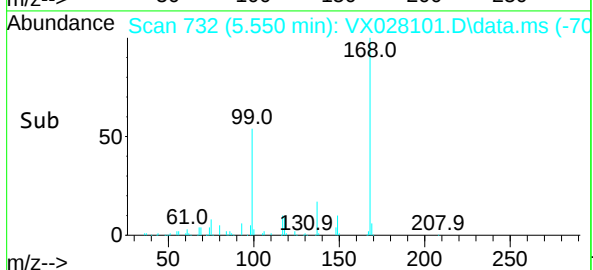
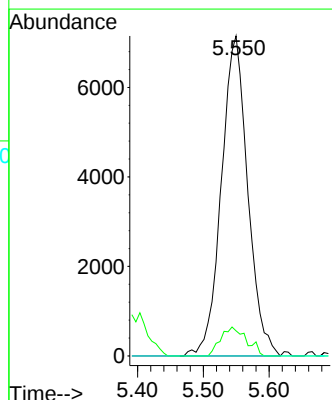
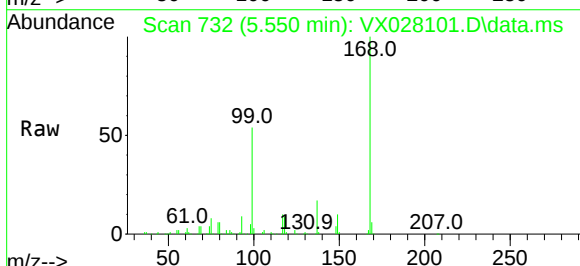
Tgt Ion: 75 Resp: 19953

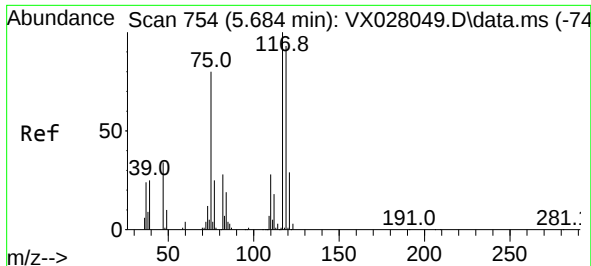
Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 24.8 37.2#

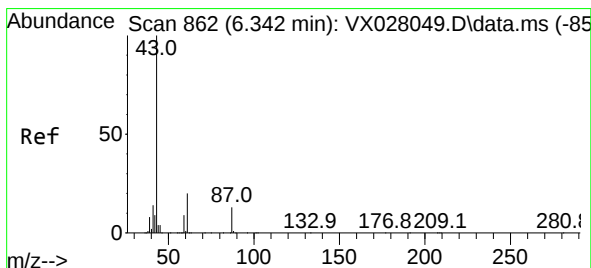
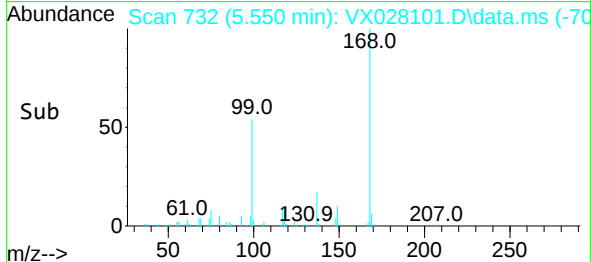
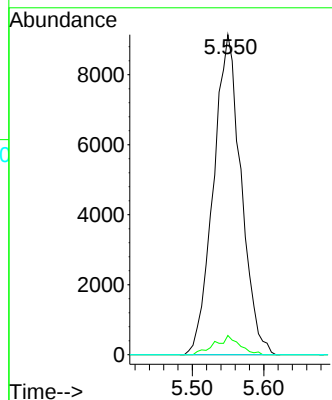
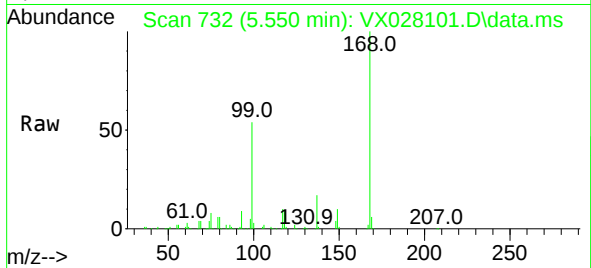




#38
Carbon Tetrachloride
Concen: 5.547 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

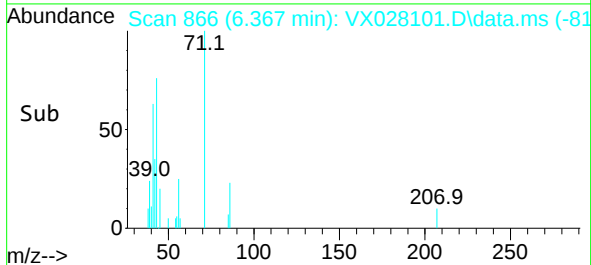
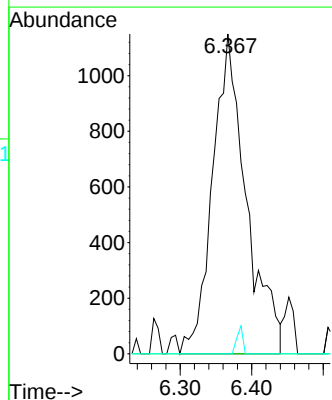
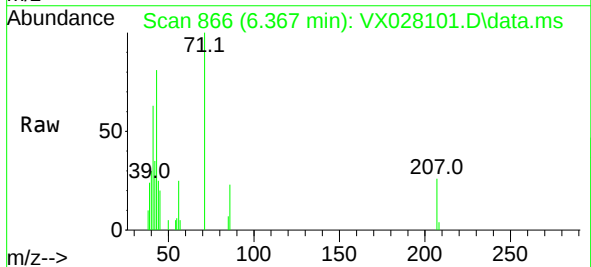
Instrument :
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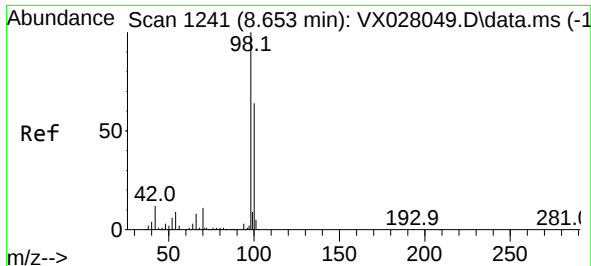
Tgt Ion:117 Resp: 24614
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.466 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.025 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Tgt Ion: 43 Resp: 3761
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 1.5 13.0 19.6#

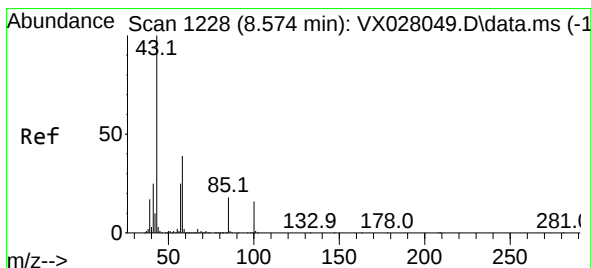
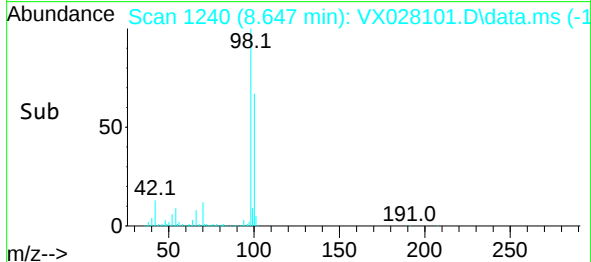
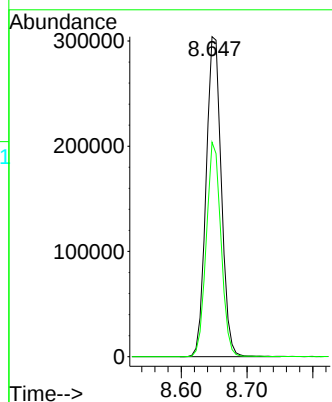
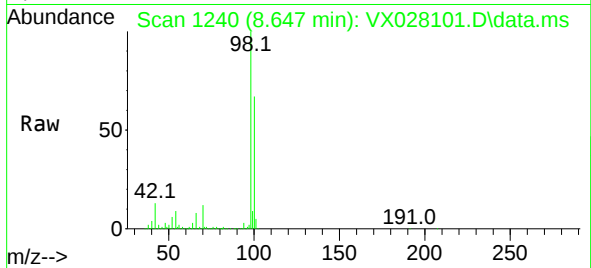




#50
Toluene-d8
Concen: 48.232 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

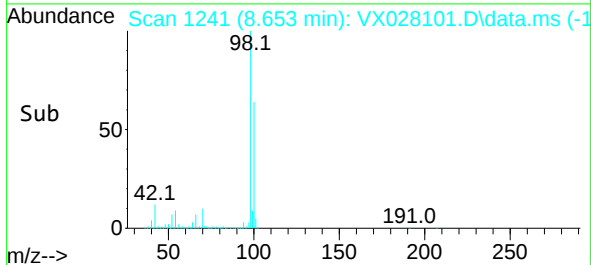
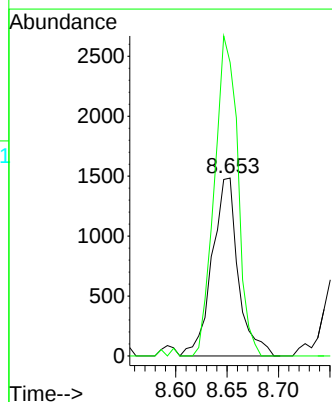
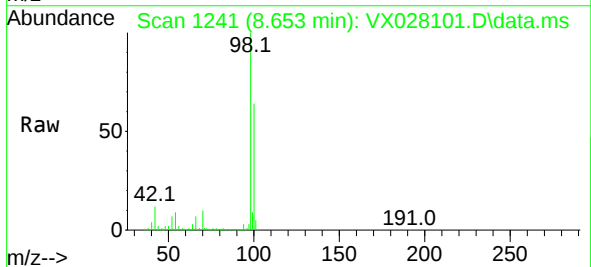
Instrument :
MSVOA_X
ClientSampleId :
26572

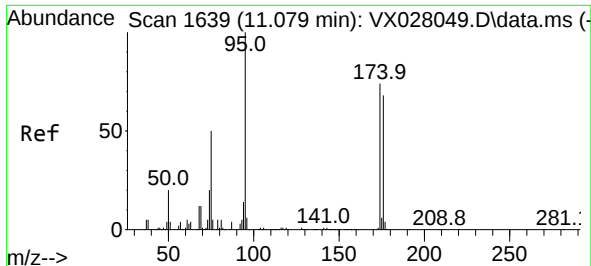
Tgt Ion: 98 Resp: 489920
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.509 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Tgt Ion: 43 Resp: 2617
Ion Ratio Lower Upper
43 100
58 160.8 36.1 54.1#

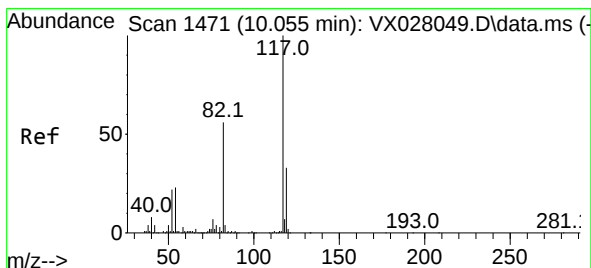
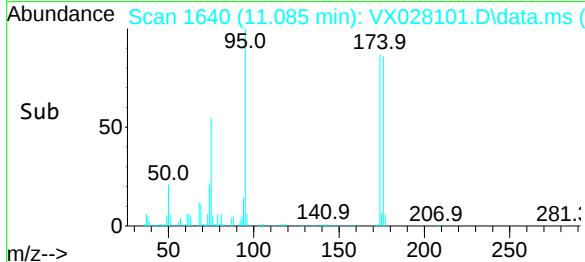
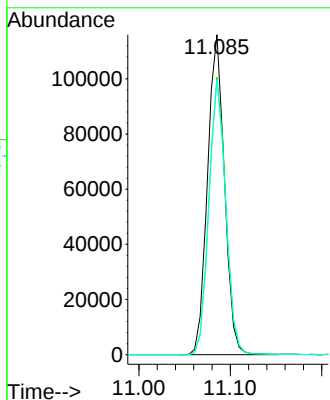
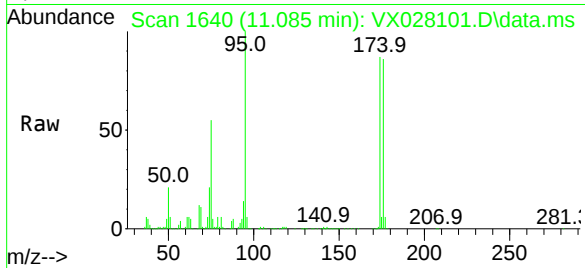




#62
4-Bromofluorobenzene
Concen: 39.322 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

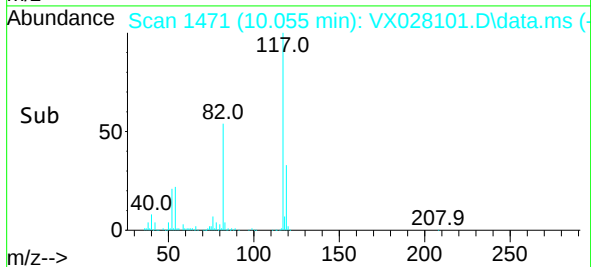
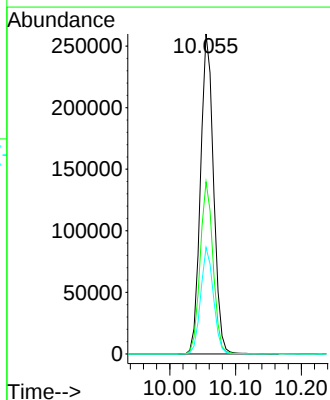
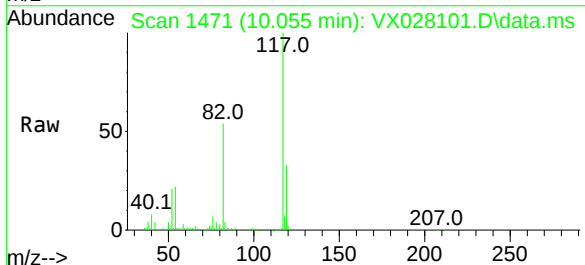
Instrument :
MSVOA_X
ClientSampleId :
26572

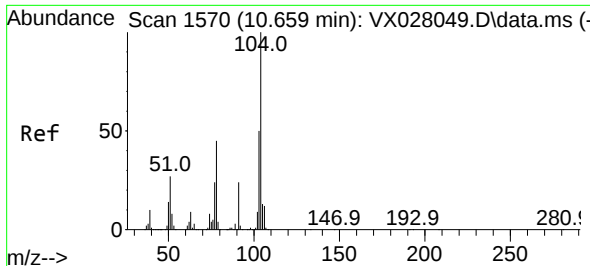
Tgt Ion: 95 Resp: 149132
Ion Ratio Lower Upper
95 100
174 86.5 0.0 163.0
176 85.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Tgt Ion: 117 Resp: 358447
Ion Ratio Lower Upper
117 100
82 53.8 41.8 62.8
119 33.3 24.8 37.2





#70

Styrene

Concen: 4.713 ug/l

RT: 10.665 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028101.D

Acq: 14 Apr 2022 12:54

Instrument :

MSVOA_X

ClientSampleId :

26572

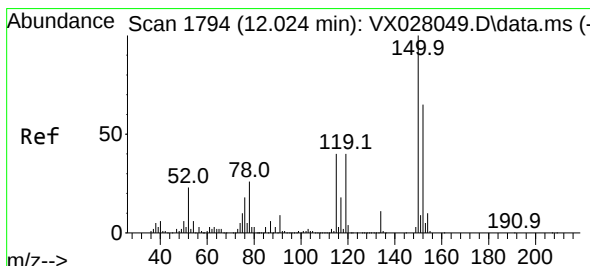
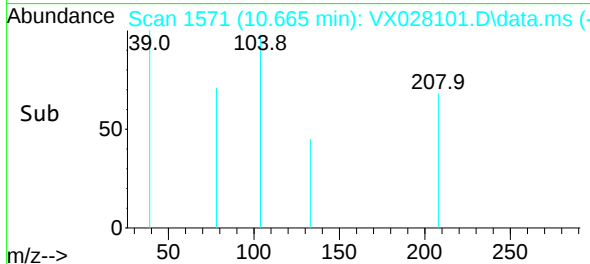
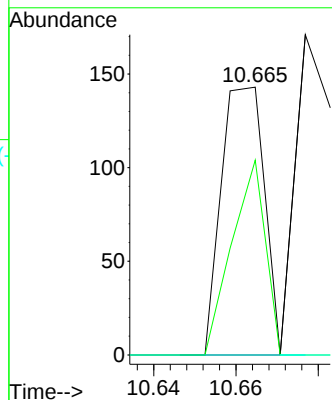
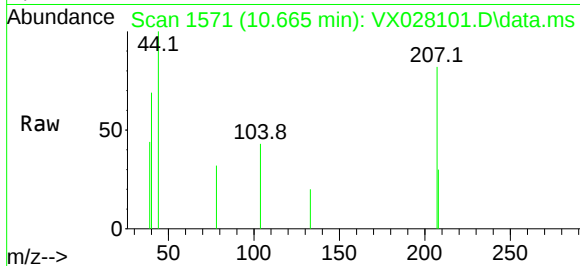
Tgt Ion:104 Resp: 104

Ion Ratio Lower Upper

104 100

78 56.7 38.6 57.8

103 0.0 43.8 65.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028101.D

Acq: 14 Apr 2022 12:54

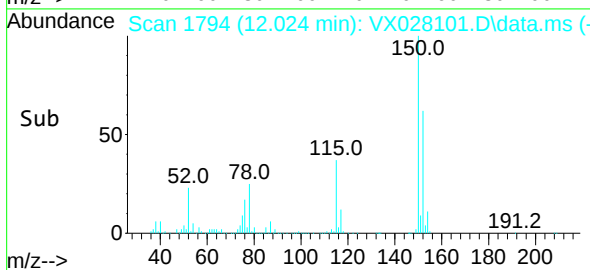
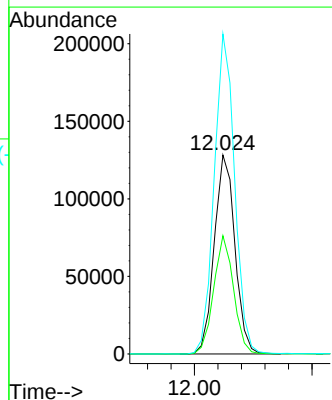
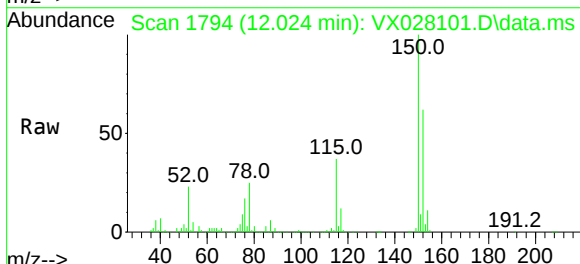
Tgt Ion:152 Resp: 156871

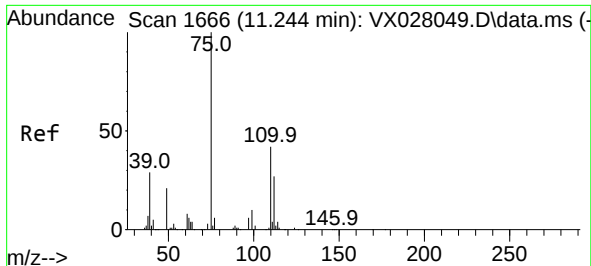
Ion Ratio Lower Upper

152 100

115 57.4 37.5 112.7

150 158.9 0.0 338.2

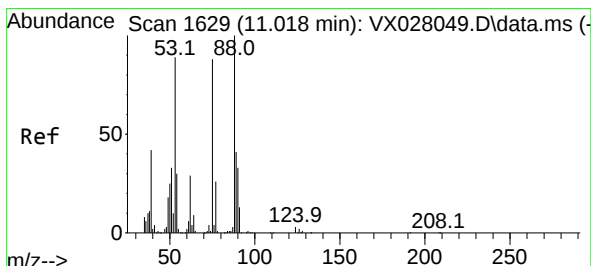
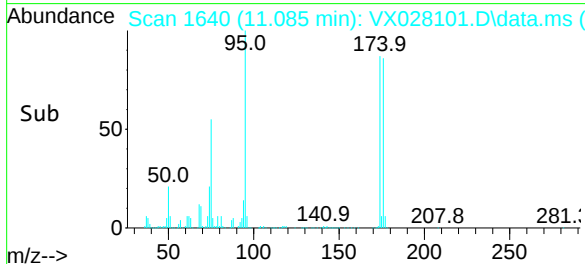
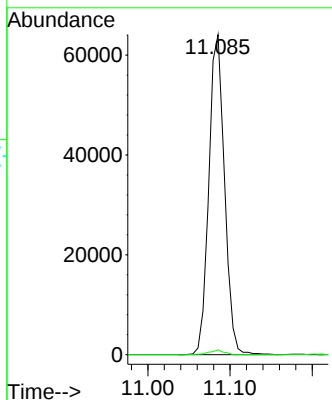
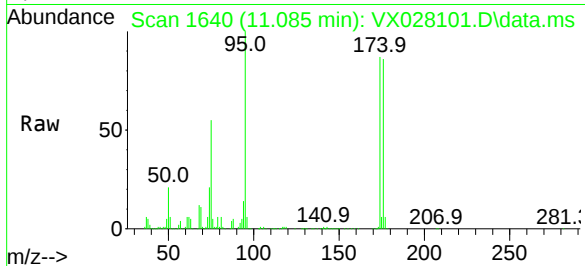




#76
1,2,3-Trichloropropane
Concen: 24.285 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

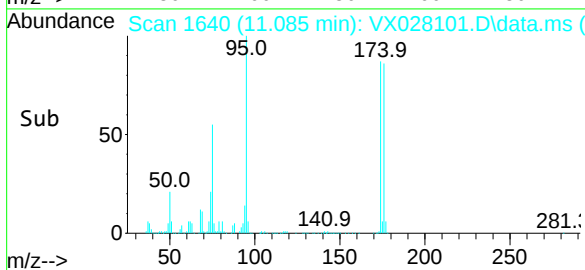
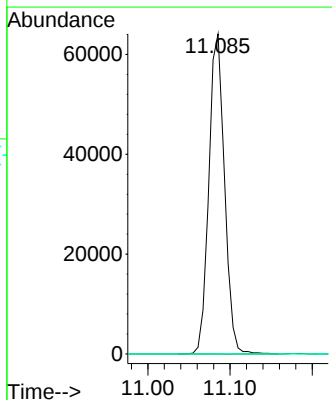
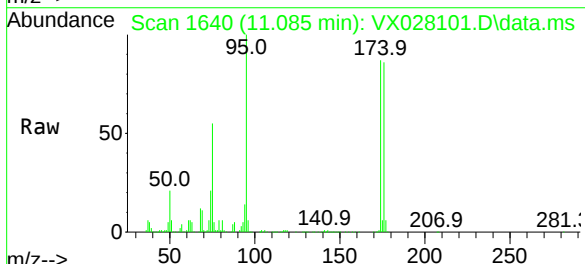
Instrument :
MSVOA_X
ClientSampleId :
26572

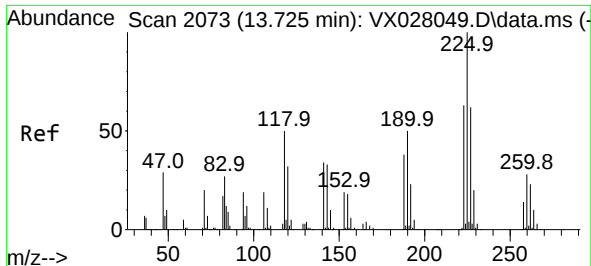
Tgt Ion: 75 Resp: 84813
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.400 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Tgt Ion: 75 Resp: 84813
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#

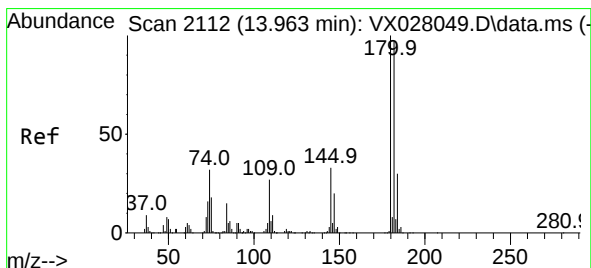
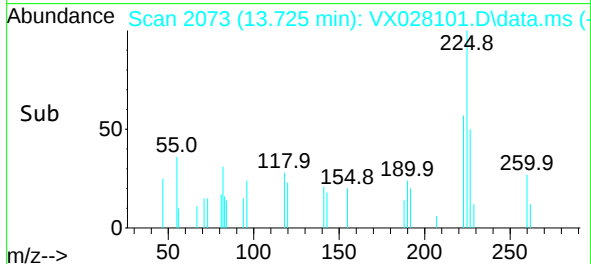
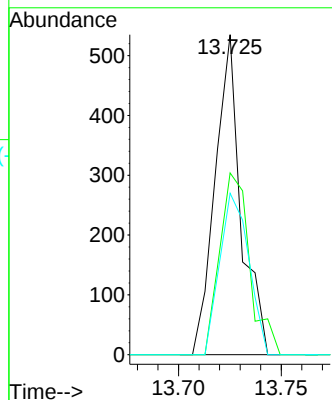
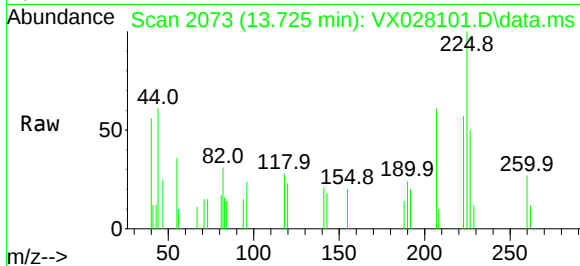




#94
Hexachlorobutadiene
Concen: 0.390 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Instrument :
MSVOA_X
ClientSampleId :
26572

Tgt Ion:225 Resp: 467
Ion Ratio Lower Upper
225 100
223 66.0 34.2 102.5
227 56.5 33.9 101.7



#96
1,2,3-Trichlorobenzene
Concen: 0.227 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX028101.D
Acq: 14 Apr 2022 12:54

Tgt Ion:180 Resp: 666
Ion Ratio Lower Upper
180 100
182 96.4 50.0 149.8
145 29.1 16.2 48.5

