

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028373.D
 Acq On : 27 Apr 2022 13:14
 Operator : JC/MD
 Sample : N2559-04ME
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-10D

Quant Time: Apr 28 04:21:00 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)

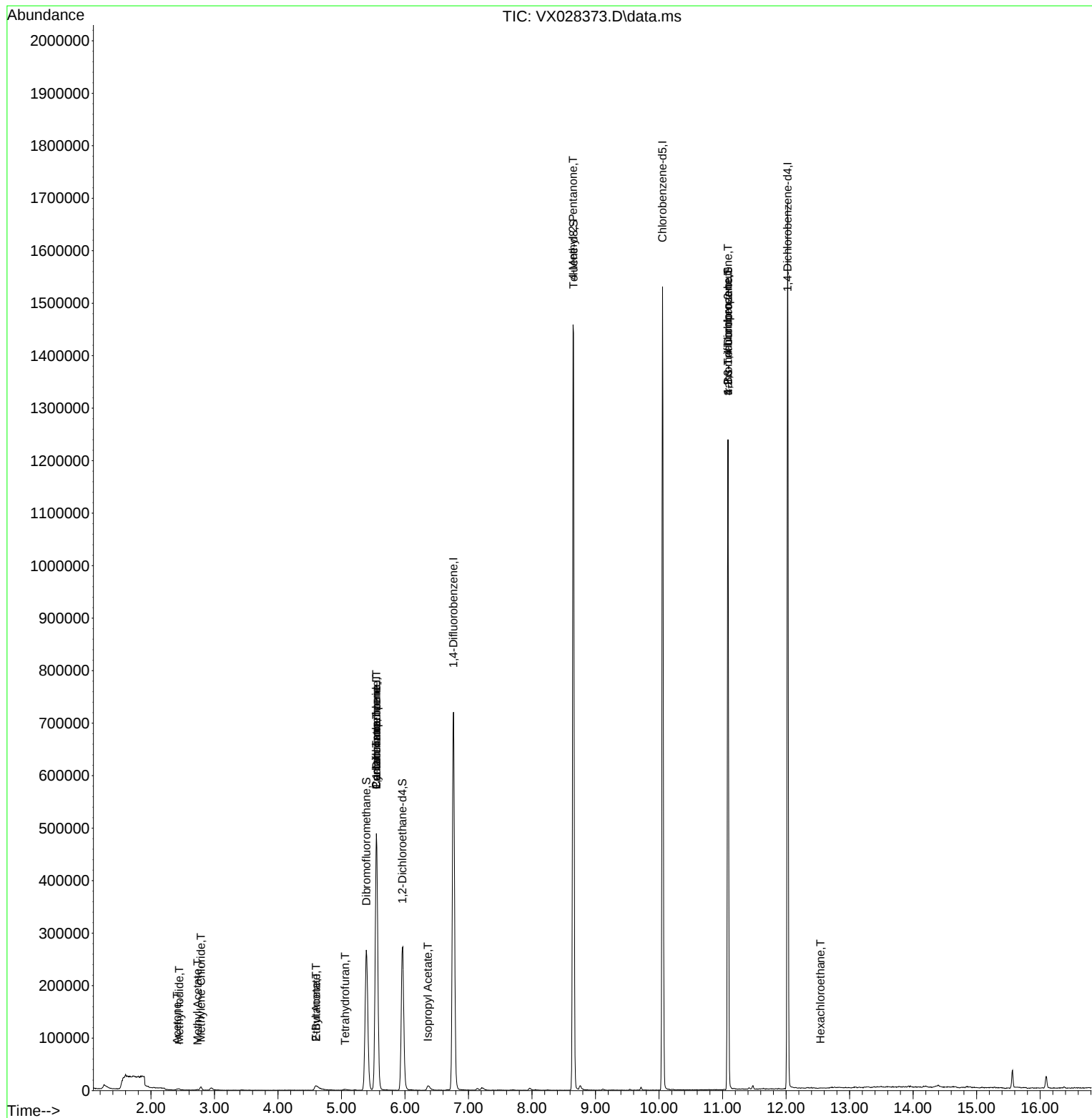
Internal Standards						
1) Pentafluorobenzene	5.550	168	493196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	800702	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	735416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	353666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	267445	41.589	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.180%		
35) Dibromofluoromethane	5.391	113	241250	42.963	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	85.920%		
50) Toluene-d8	8.653	98	923705	42.829	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	85.660%		
62) 4-Bromofluorobenzene	11.085	95	329452	39.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	79.900%		
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	881	Below Cal	#	42
5) Bromomethane	1.599	94	1683	Below Cal	#	75
6) Chloroethane	1.709	64	404	Below Cal	#	50
8) Diethyl Ether	2.099	74	23	Below Cal	#	7
10) Methyl Iodide	2.447	142	1532	5.486	ug/l #	93
11) Tert butyl alcohol	2.953	59	3418	Below Cal	#	72
16) Acetone	2.410	43	4114	0.702	ug/l	89
18) Methyl Acetate	2.733	43	2084	0.364	ug/l	100
20) Methylene Chloride	2.788	84	3053	0.640	ug/l	94
25) 2-Butanone	4.599	43	27317	7.173	ug/l	97
29) Tetrahydrofuran	5.056	42	2064	0.831	ug/l #	53
31) Cyclohexane	5.550	56	8620	1.100	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	35162	4.801	ug/l #	50
37) Ethyl Acetate	4.599	43	27317	3.676	ug/l #	65
38) Carbon Tetrachloride	5.550	117	47200	5.708	ug/l #	15
43) Isopropyl Acetate	6.361	43	4938	0.408	ug/l #	56
51) 4-Methyl-2-Pentanone	8.647	43	3752	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	160015	22.989	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	160015	68.318	ug/l #	15
90) Hexachloroethane	12.542	117	78	1.833	ug/l #	10

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

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Response via : Initial Calibration

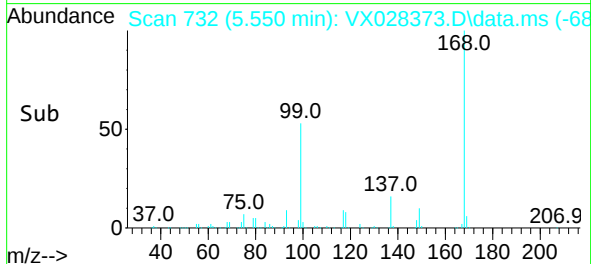
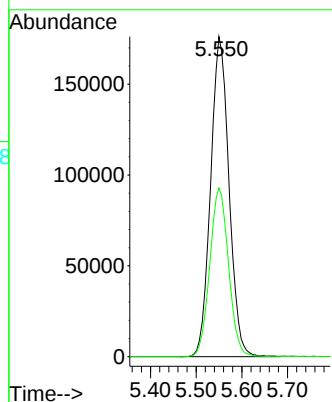
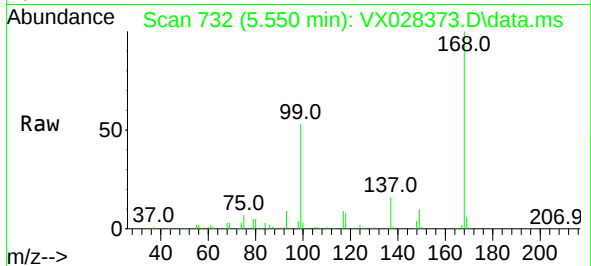




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

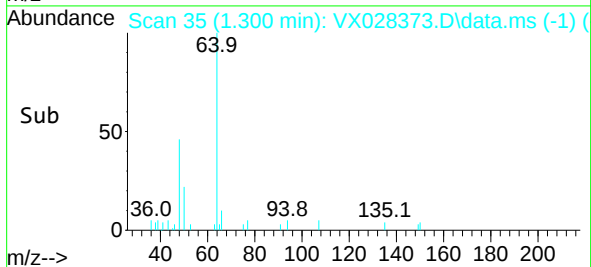
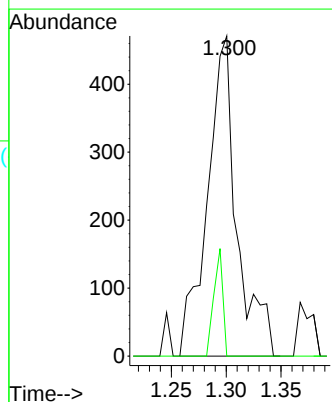
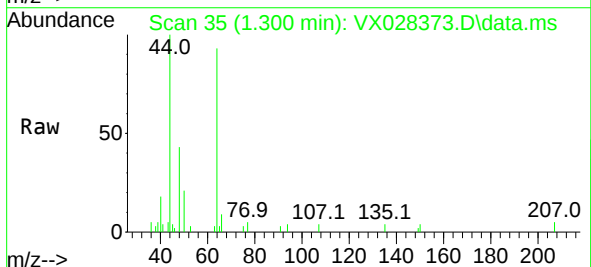
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

Tgt Ion:168 Resp: 493196
Ion Ratio Lower Upper
168 100
99 52.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 50 Resp: 881
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

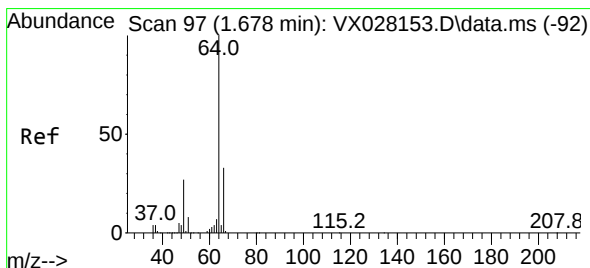
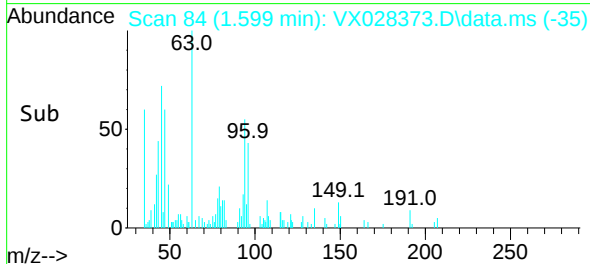
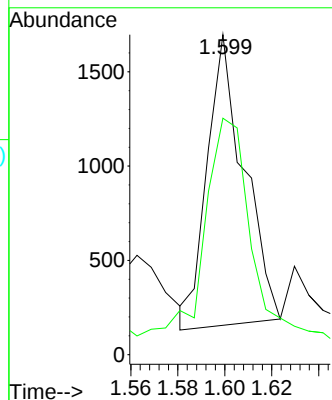
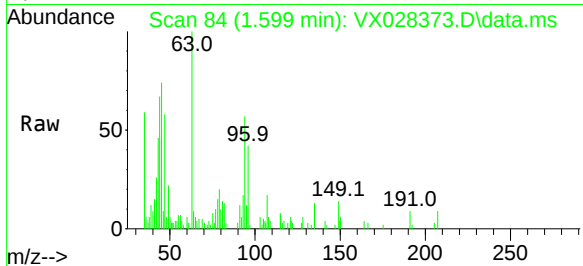




#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

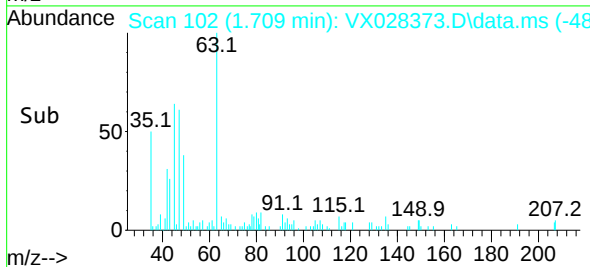
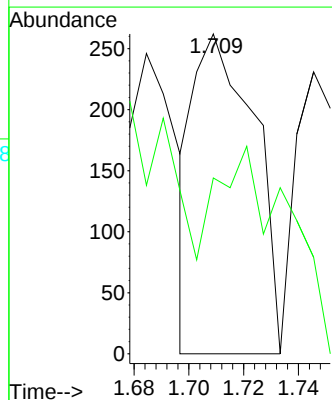
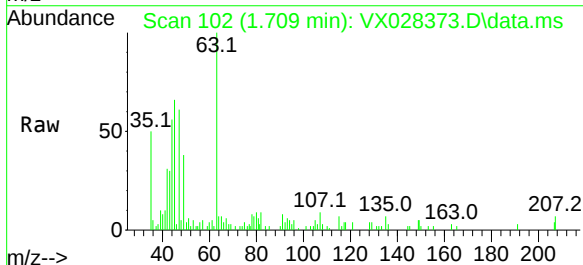
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

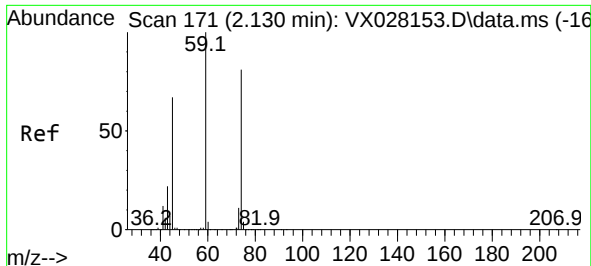
Tgt Ion: 94 Resp: 1683
Ion Ratio Lower Upper
94 100
96 70.3 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.031 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 64 Resp: 404
Ion Ratio Lower Upper
64 100
66 3.8 25.3 37.9#

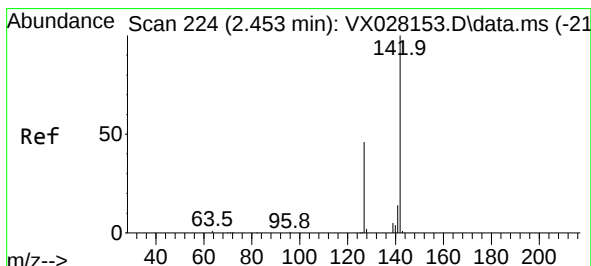
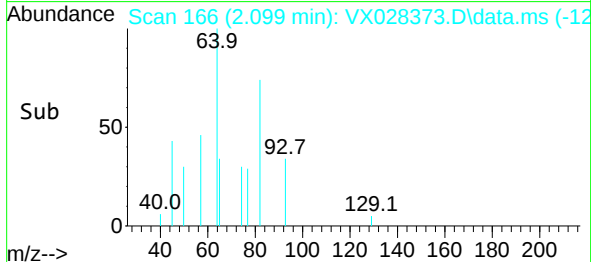
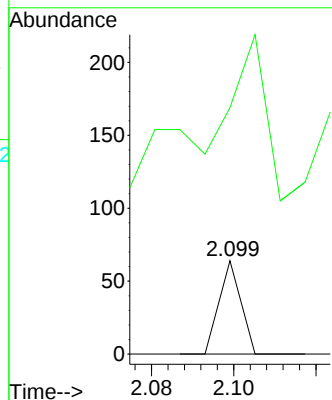
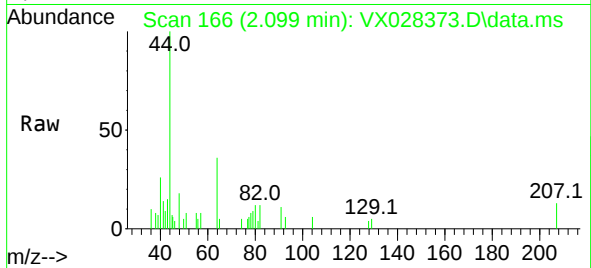




#8
Diethyl Ether
Concen: Below Cal
RT: 2.099 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

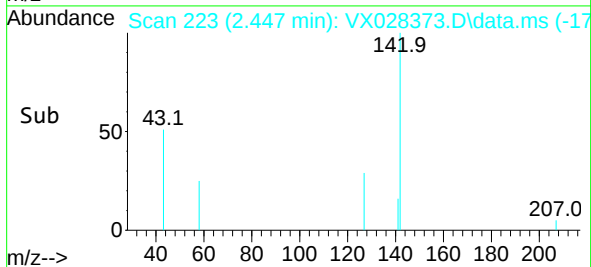
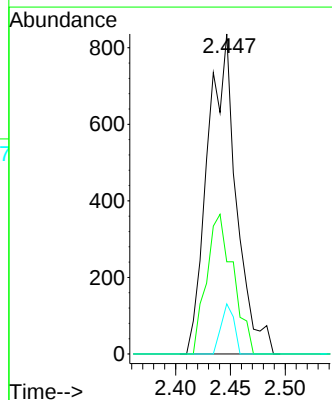
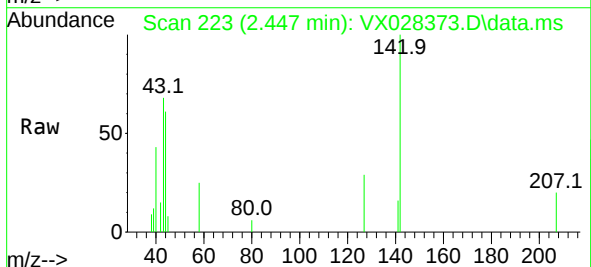
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

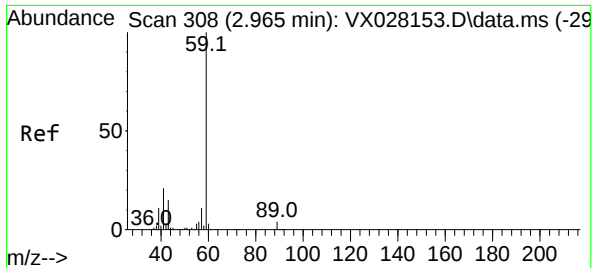
Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.486 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion:142 Resp: 1532
Ion Ratio Lower Upper
142 100
127 40.1 33.9 50.9
141 7.0 11.4 17.2#

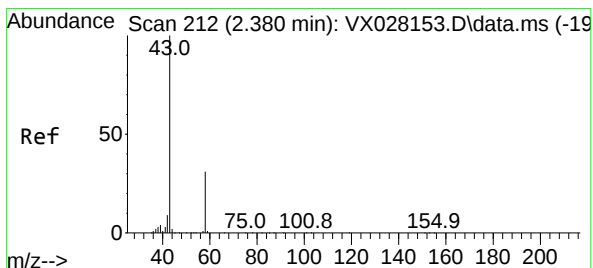
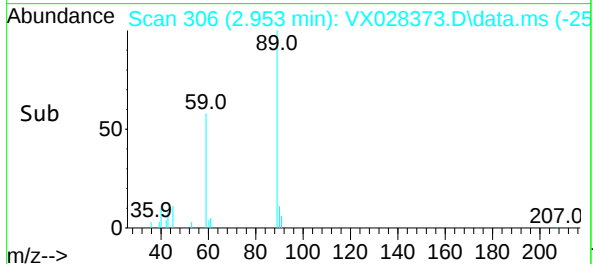
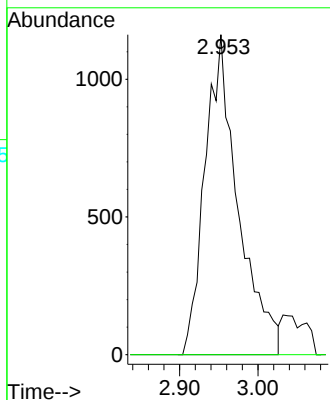
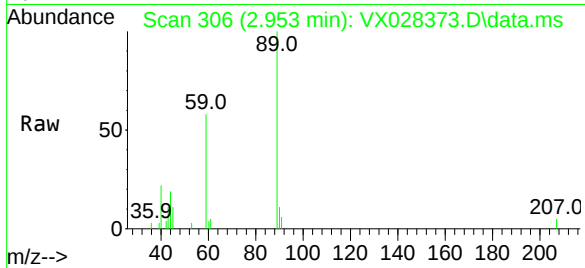




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

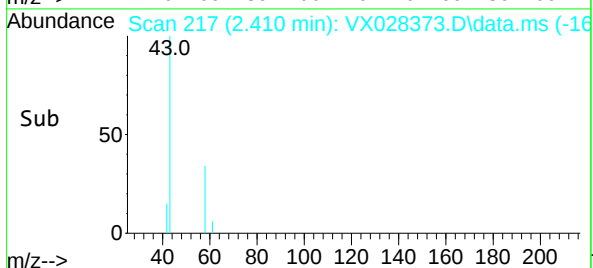
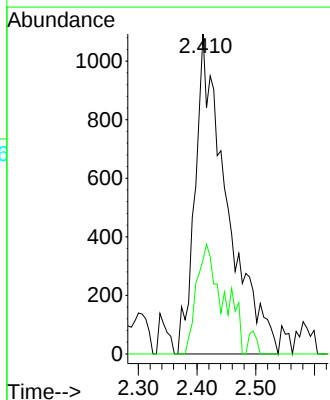
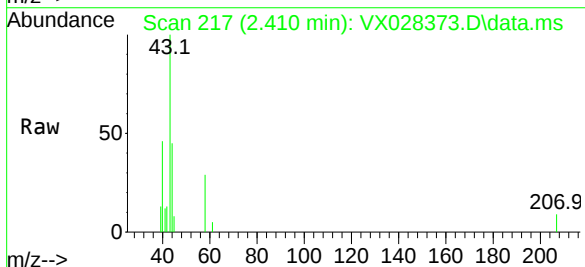
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

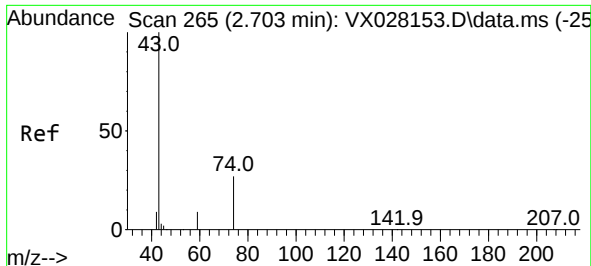
Tgt Ion: 59 Resp: 3418
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.702 ug/l
RT: 2.410 min Scan# 217
Delta R.T. 0.030 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 43 Resp: 4114
Ion Ratio Lower Upper
43 100
58 29.4 28.8 43.2

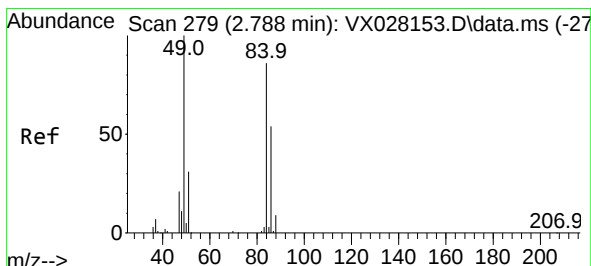
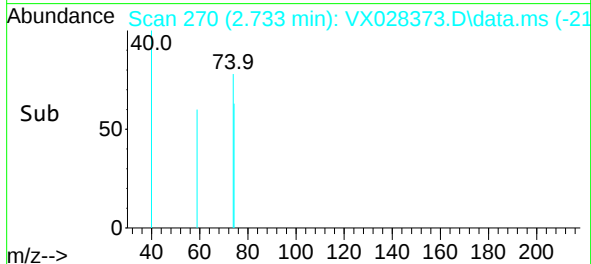
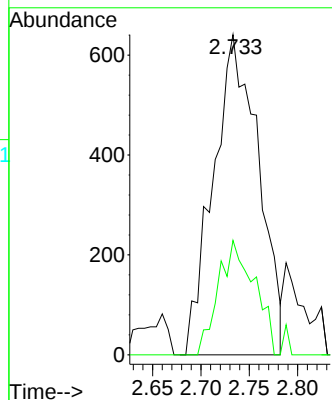
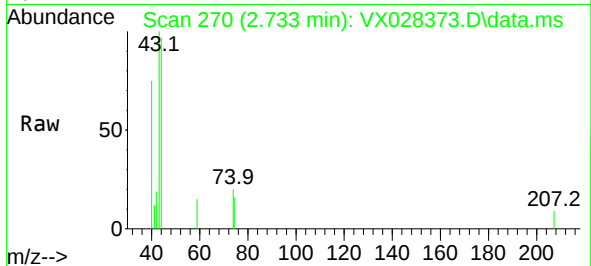




#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 2.733 min Scan# 21
Delta R.T. 0.030 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

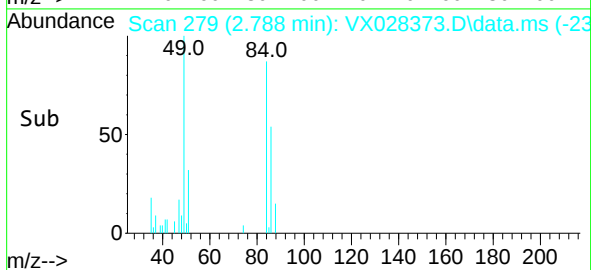
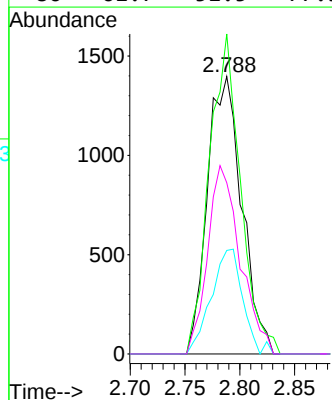
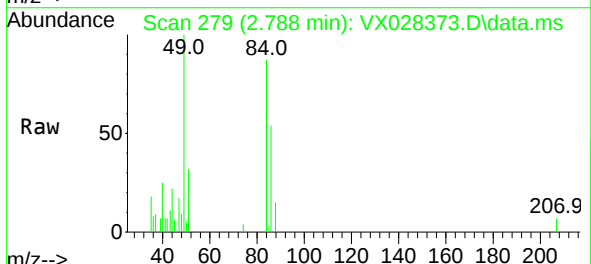
Instrument :
MSVOA_X
ClientSampleId :
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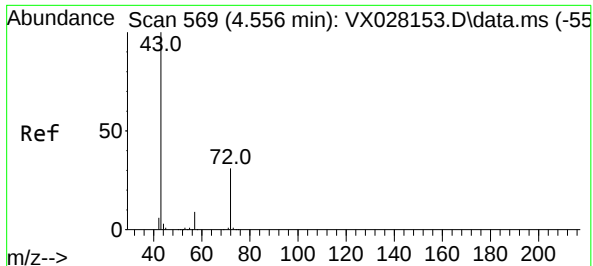
Tgt Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
74 28.6 22.8 34.2



#20
Methylene Chloride
Concen: 0.640 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 84 Resp: 3053
Ion Ratio Lower Upper
84 100
49 115.3 85.5 128.3
51 37.3 26.6 39.8
86 61.7 51.5 77.3





#25

2-Butanone

Concen: 7.173 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX028373.D

Acq: 27 Apr 2022 13:14

Instrument :

MSVOA_X

ClientSampleId :

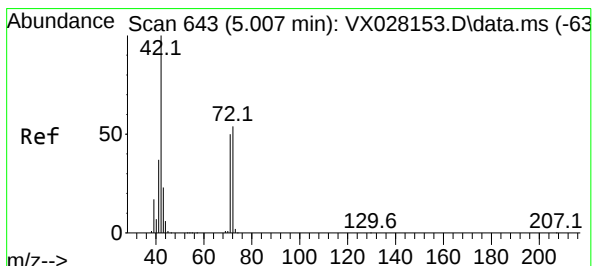
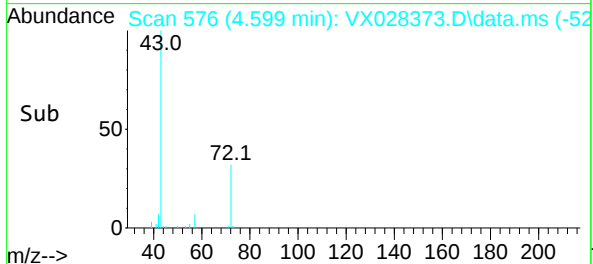
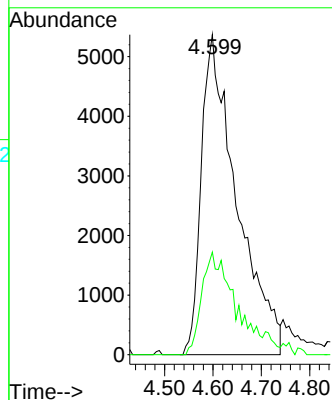
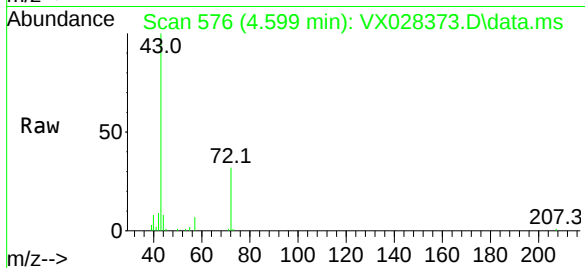
MH-10D

Tgt Ion: 43 Resp: 27317

Ion Ratio Lower Upper

43 100

72 32.1 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.831 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.049 min

Lab File: VX028373.D

Acq: 27 Apr 2022 13:14

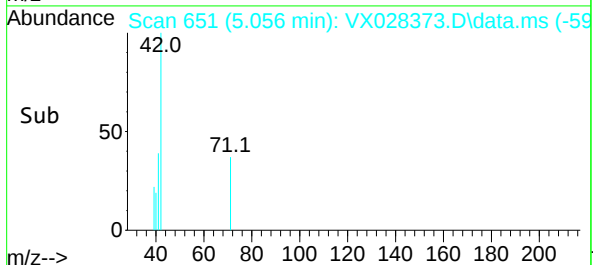
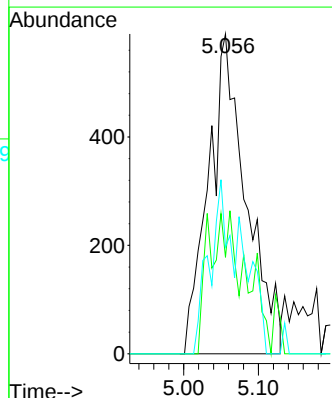
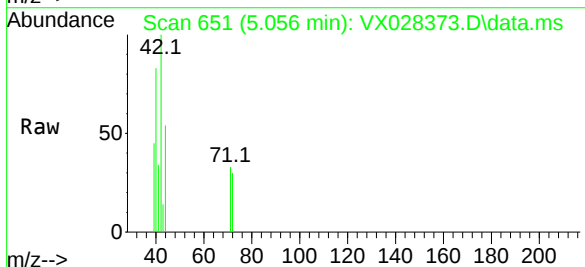
Tgt Ion: 42 Resp: 2064

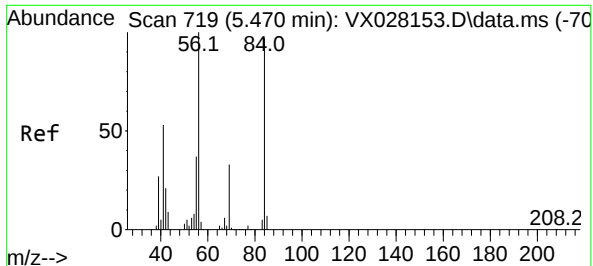
Ion Ratio Lower Upper

42 100

72 10.2 44.1 66.1#

71 29.4 40.5 60.7#

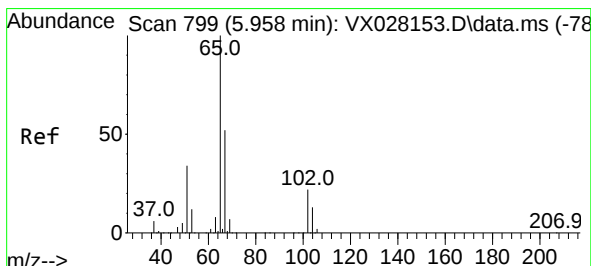
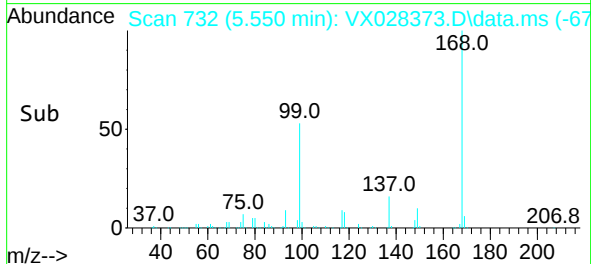
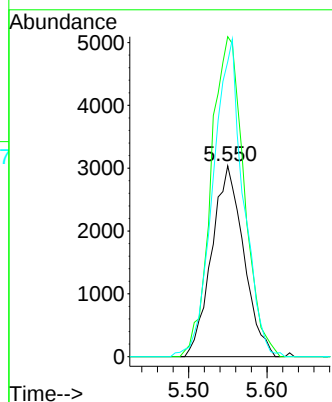
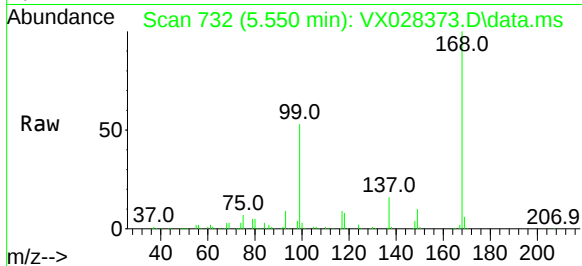




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

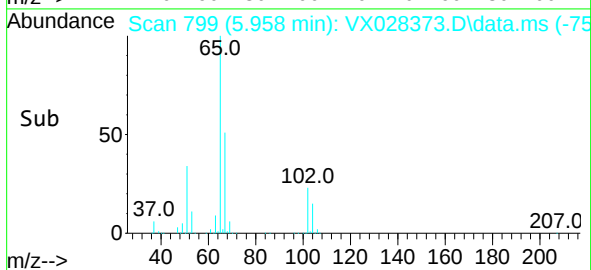
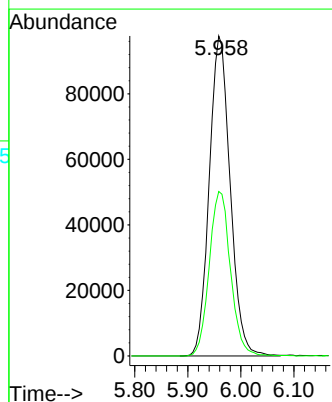
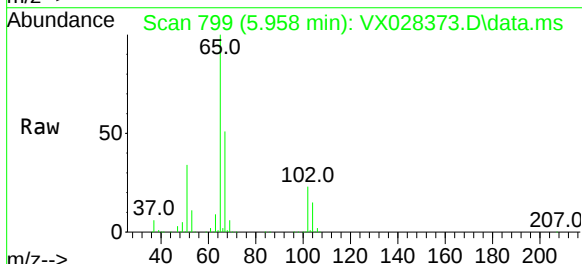
Instrument :
MSVOA_X
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MH-10D

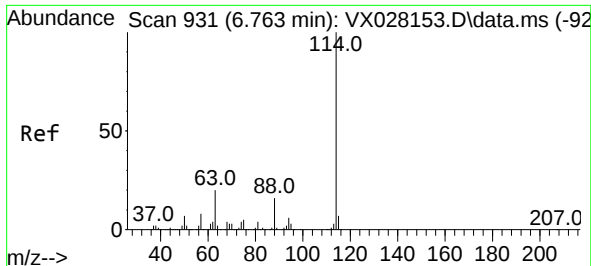
Tgt Ion: 56 Resp: 8620
Ion Ratio Lower Upper
56 100
69 167.7 26.7 40.1#
84 155.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 41.589 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

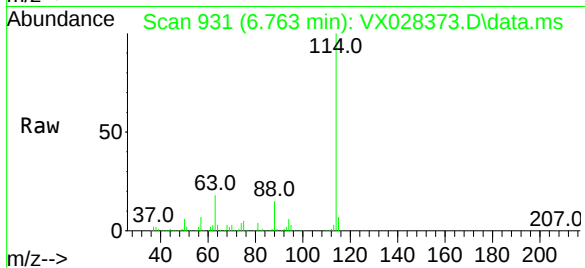
Tgt Ion: 65 Resp: 267445
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4



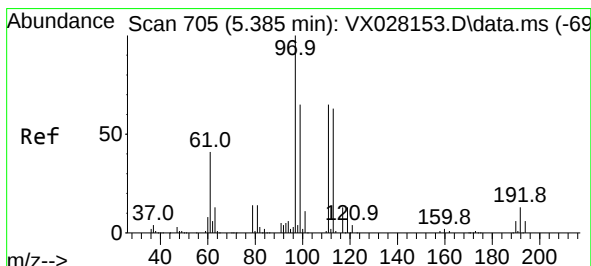
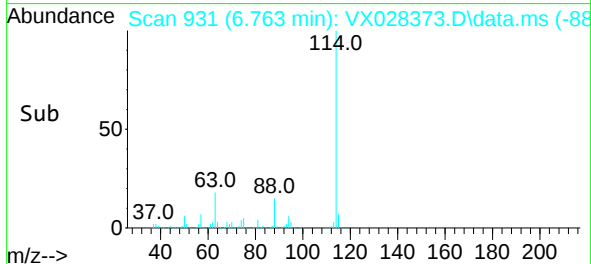
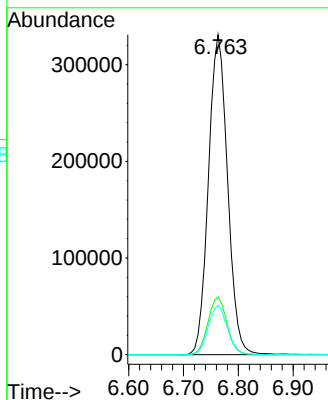


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Instrument :
MSVOA_X
ClientSampleId :
MH-10D

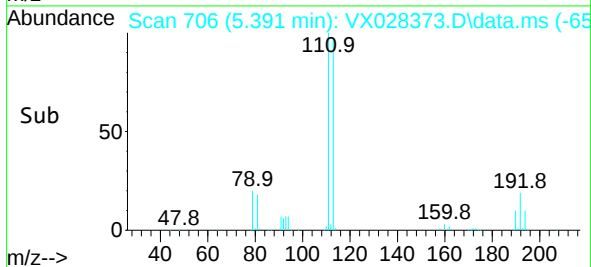
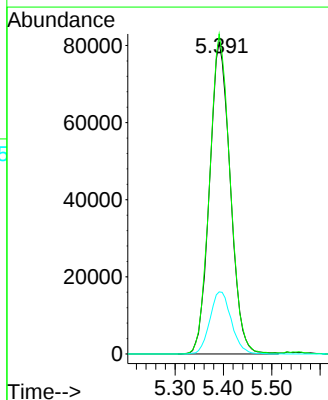
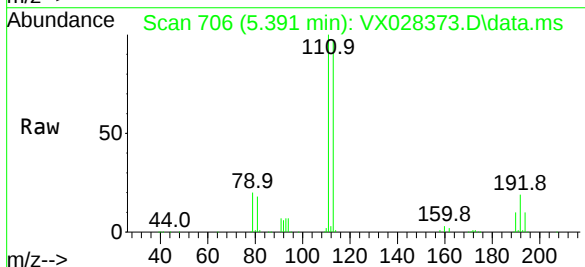


Tgt Ion:114 Resp: 800702
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 15.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 42.963 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion:113 Resp: 241250
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 20.6 16.9 25.3

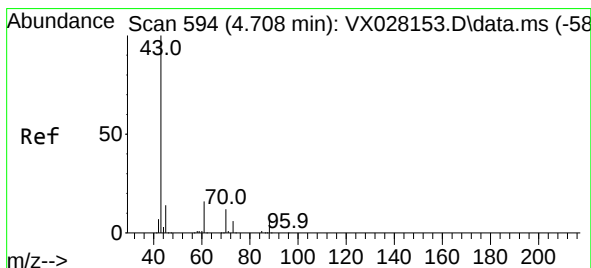
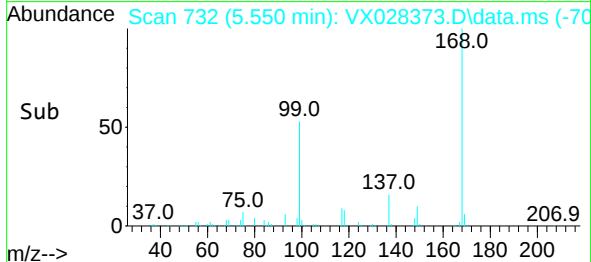
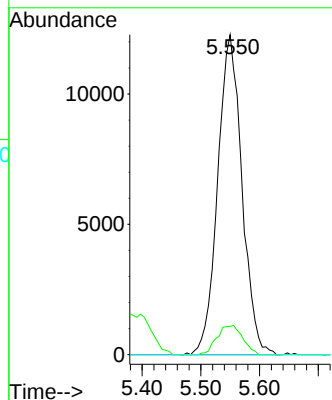
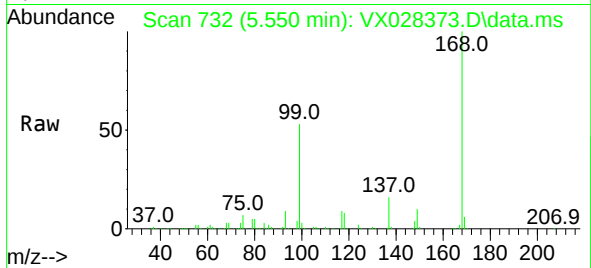




#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

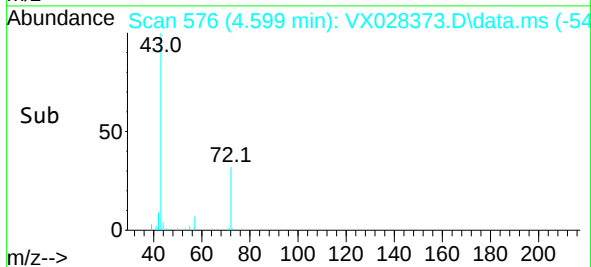
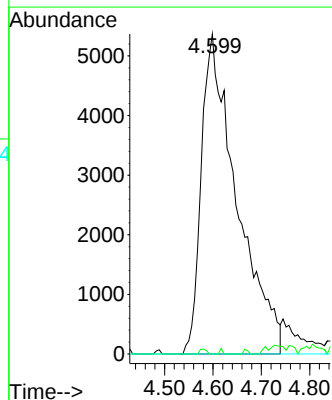
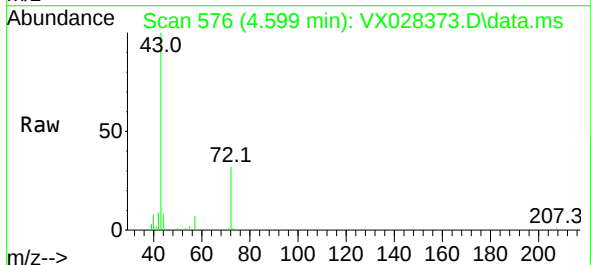
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

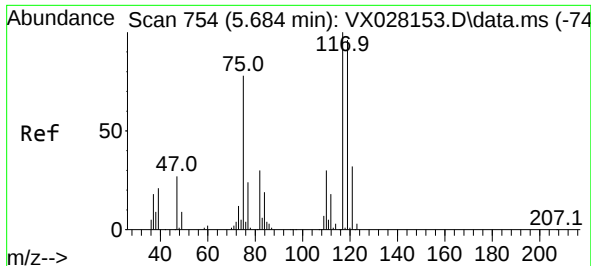
Tgt Ion: 75 Resp: 35162
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 3.676 ug/l
RT: 4.599 min Scan# 576
Delta R.T. -0.109 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 43 Resp: 27317
Ion Ratio Lower Upper
43 100
61 0.3 12.6 19.0#
70 0.0 10.2 15.2#

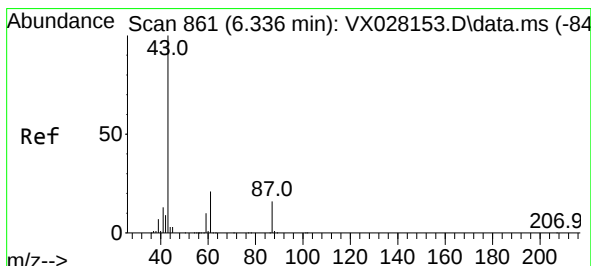
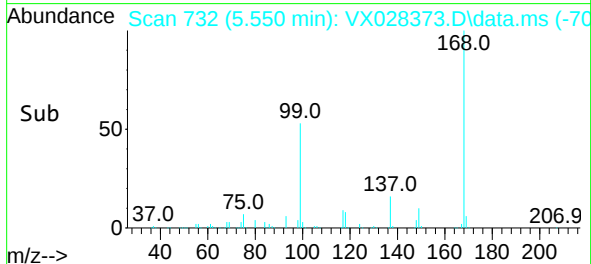
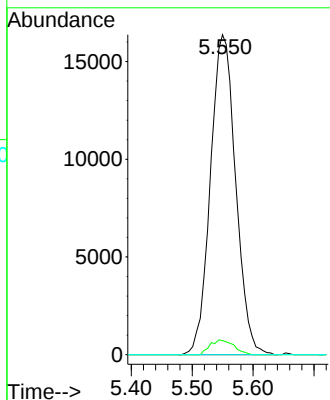
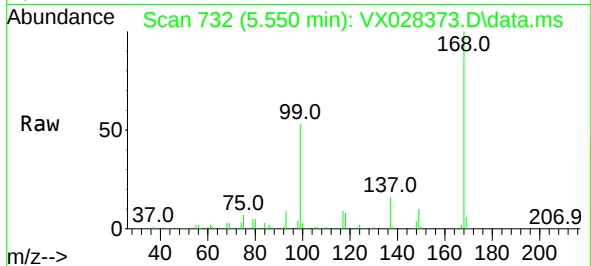




#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

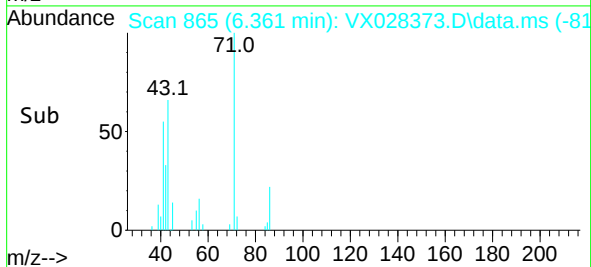
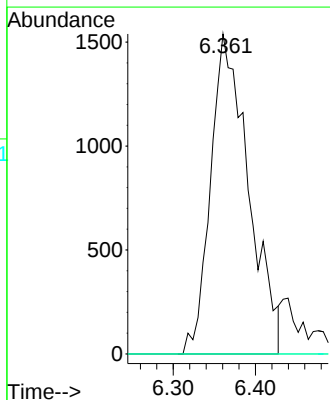
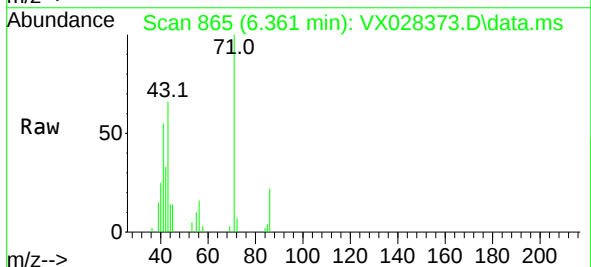
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

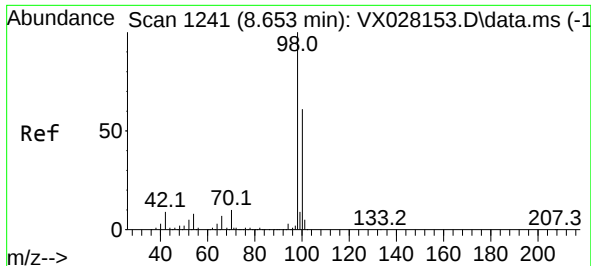
Tgt Ion:117 Resp: 47200
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.408 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.025 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 43 Resp: 4938
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#

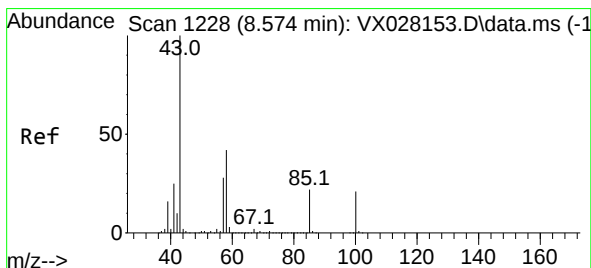
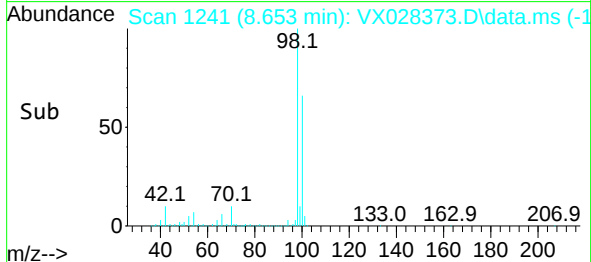
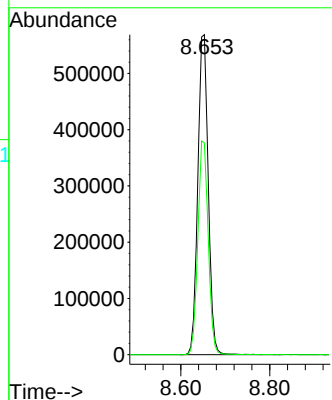
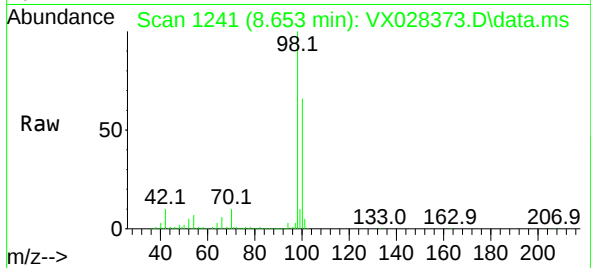




#50
Toluene-d8
Concen: 42.829 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

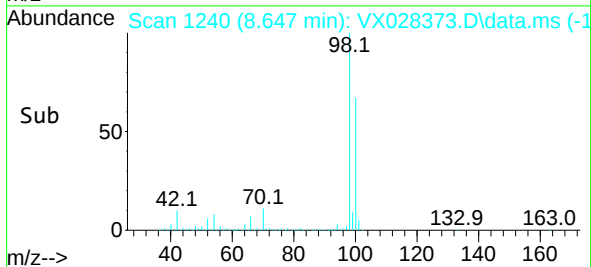
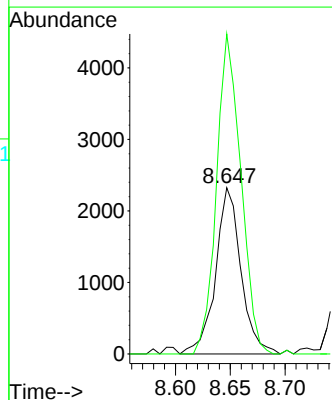
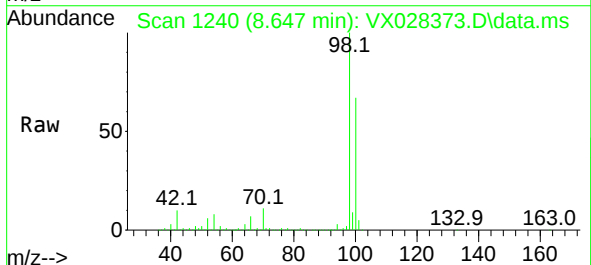
Instrument :
MSVOA_X
ClientSampleId :
MH-10D

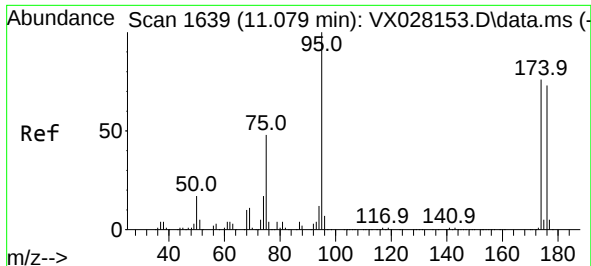
Tgt Ion: 98 Resp: 923705
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.483 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 43 Resp: 3752
Ion Ratio Lower Upper
43 100
58 184.5 36.1 54.1#





#62

4-Bromofluorobenzene

Concen: 39.951 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX028373.D

Acq: 27 Apr 2022 13:14

Instrument :

MSVOA_X

ClientSampleId :

MH-10D

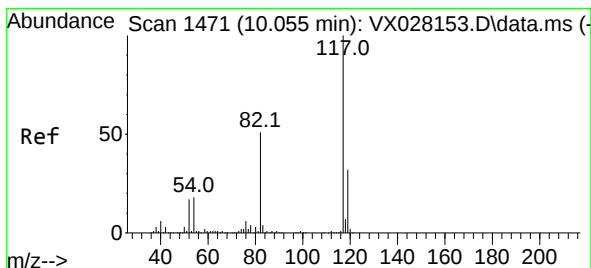
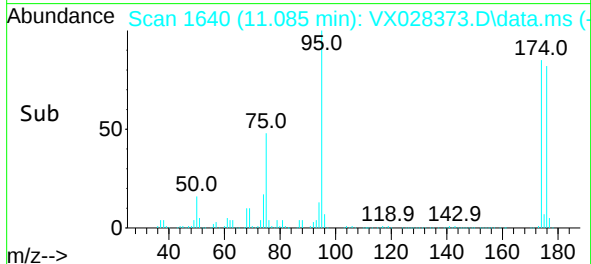
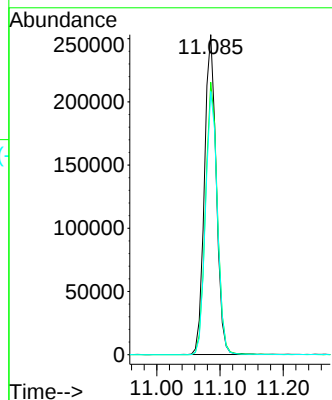
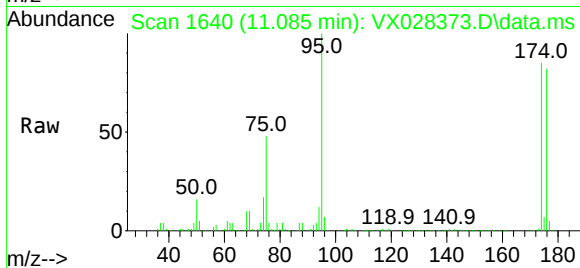
Tgt Ion: 95 Resp: 329452

Ion Ratio Lower Upper

95 100

174 85.7 0.0 163.0

176 82.4 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: VX028373.D

Acq: 27 Apr 2022 13:14

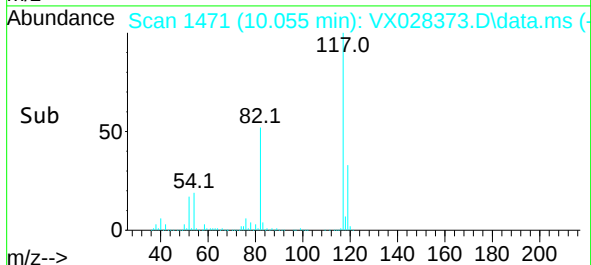
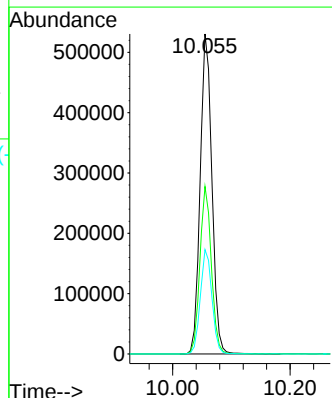
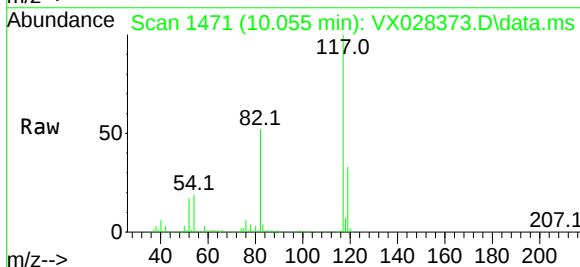
Tgt Ion: 117 Resp: 735416

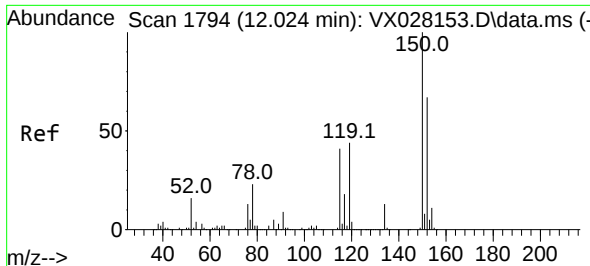
Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

119 32.6 24.8 37.2

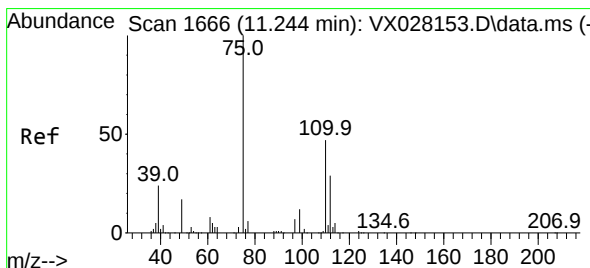
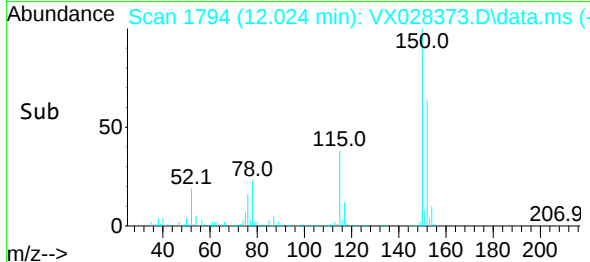
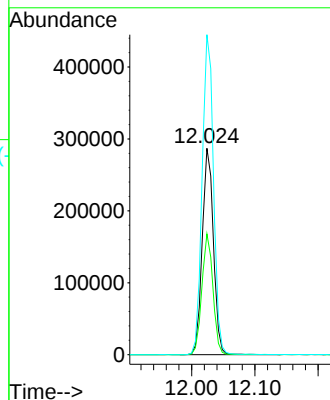
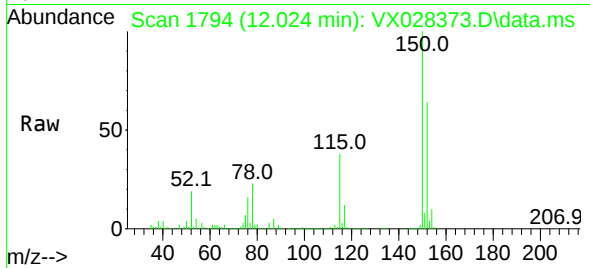




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028373.D
 Acq: 27 Apr 2022 13:14

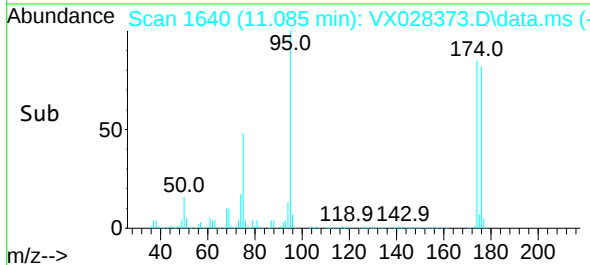
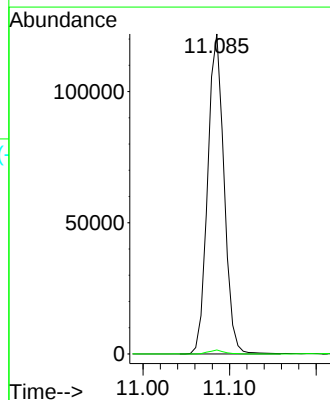
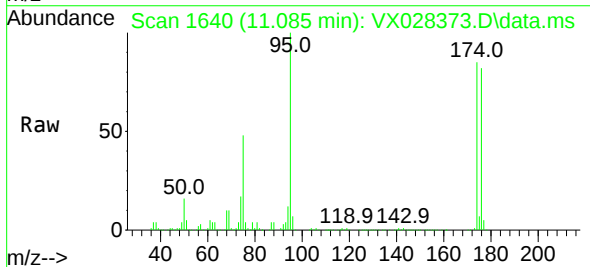
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-10D

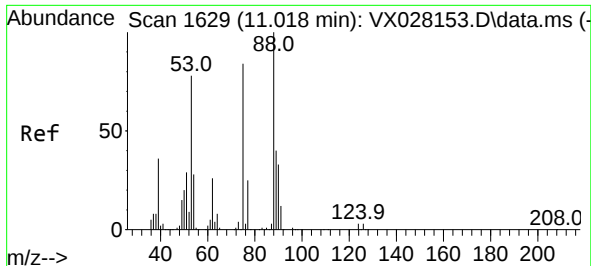
Tgt Ion:152 Resp: 353666
 Ion Ratio Lower Upper
 152 100
 115 57.8 37.5 112.7
 150 157.1 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 22.989 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX028373.D
 Acq: 27 Apr 2022 13:14

Tgt Ion: 75 Resp: 160015
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

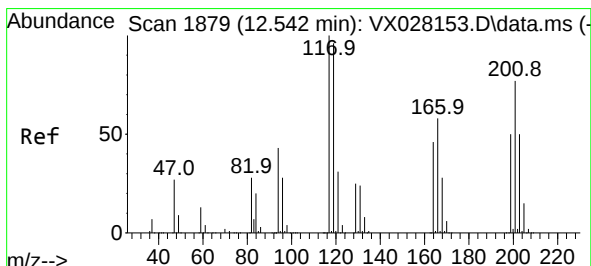
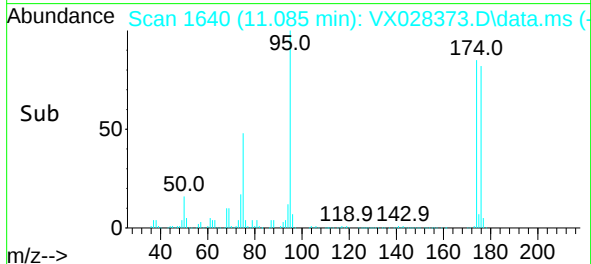
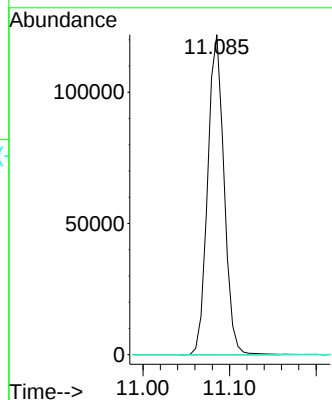
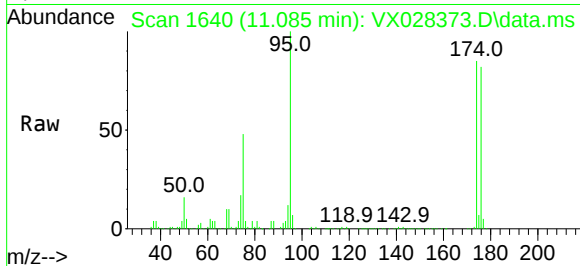




#81
trans-1,4-Dichloro-2-butene
Concen: 68.318 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Instrument :
MSVOA_X
ClientSampleId :
MH-10D

Tgt Ion: 75 Resp: 160015
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.833 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX028373.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 117 Resp: 78
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

