

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031320.D
 Acq On : 14 Sep 2022 21:01
 Operator : JC/MD
 Sample : N4492-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 06:06:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

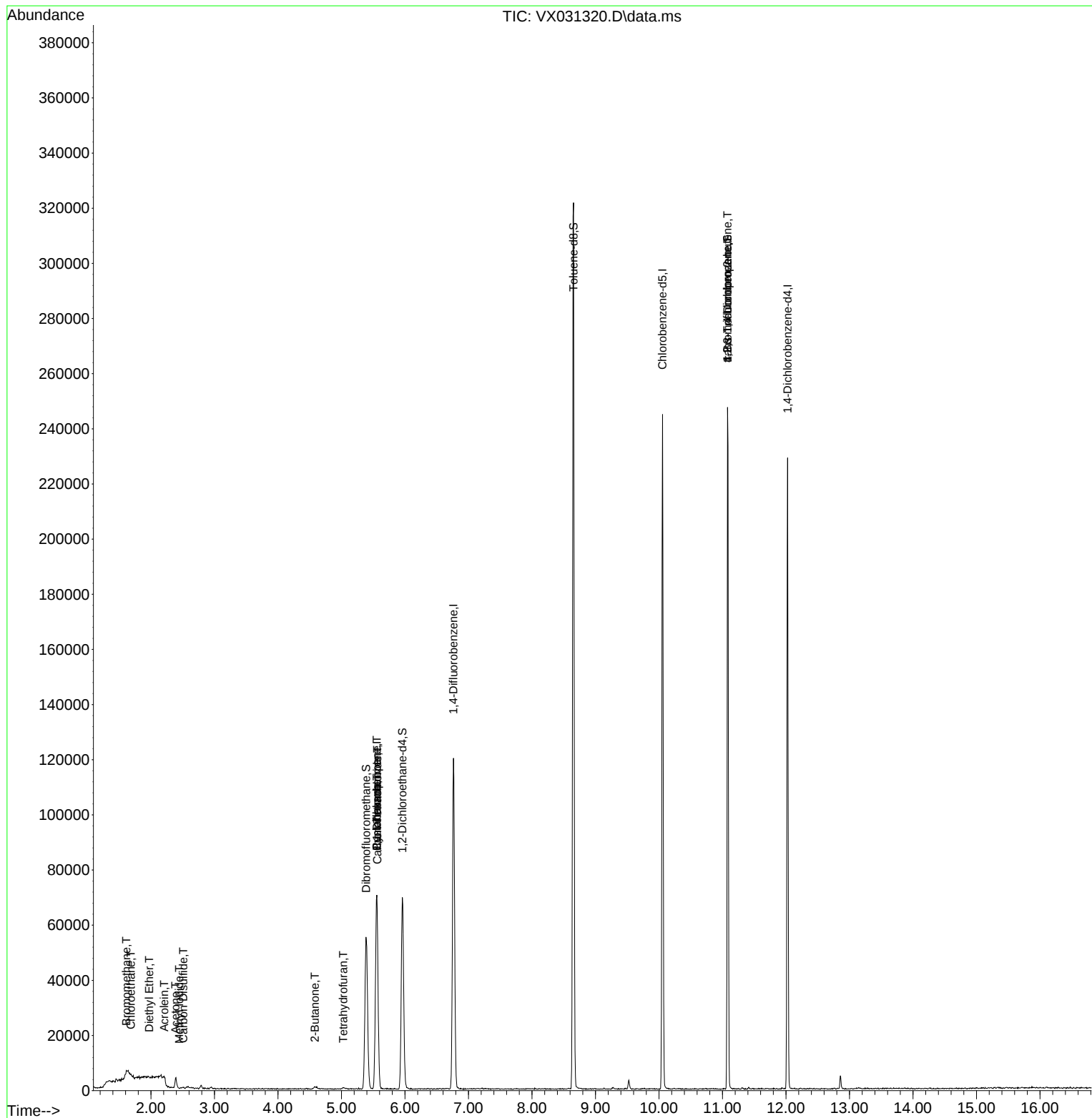
Internal Standards						
1) Pentafluorobenzene	5.556	168	62083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	112891	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	99177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65675	43.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.200%
35) Dibromofluoromethane	5.385	113	46870	38.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	77.240%
50) Toluene-d8	8.653	98	183247	40.256	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	80.520%#
62) 4-Bromofluorobenzene	11.079	95	60796	36.472	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	72.940%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	120	Below Cal	#	76
5) Bromomethane	1.612	94	323	0.397	ug/l #	78
6) Chloroethane	1.685	64	422	0.512	ug/l #	43
8) Diethyl Ether	1.971	74	79	0.612	ug/l	73
10) Methyl Iodide	2.447	142	23	0.931	ug/l #	38
11) Tert butyl alcohol	2.941	59	410	Below Cal	#	73
13) Acrolein	2.209	56	274	1.558	ug/l #	15
16) Acetone	2.386	43	4681	7.196	ug/l	92
17) Carbon Disulfide	2.508	76	564	1.147	ug/l #	75
20) Methylene Chloride	2.788	84	409	Below Cal	#	65
21) trans-1,2-Dichloroethene	3.099	96	46	Below Cal	#	1
25) 2-Butanone	4.581	43	1391	1.296	ug/l #	49
29) Tetrahydrofuran	5.026	42	543	0.817	ug/l #	39
31) Cyclohexane	5.556	56	1847	1.128	ug/l #	49
36) 1,1-Dichloropropene	5.556	75	5590	3.366	ug/l #	49
38) Carbon Tetrachloride	5.562	117	6629	3.672	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	35944	34.135	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35944	94.451	ug/l #	11

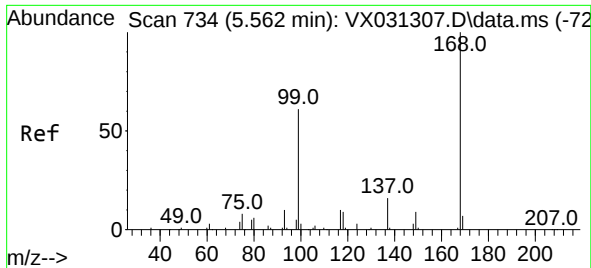
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX031320.D

Acq: 14 Sep 2022 21:01

Instrument :

MSVOA_X

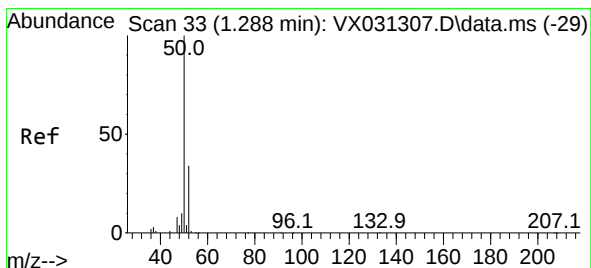
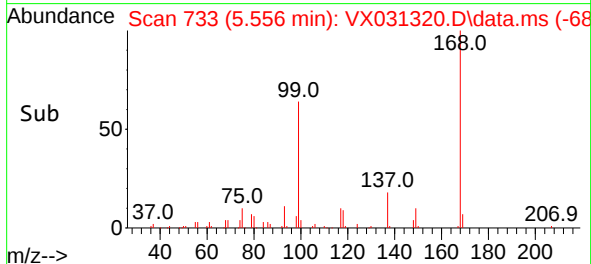
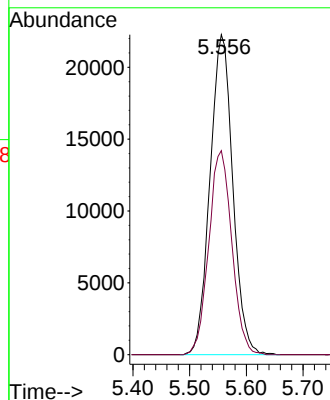
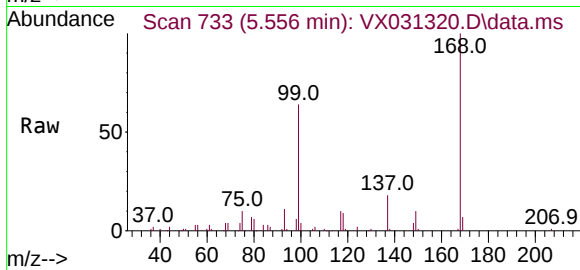
ClientSampleId :

Tgt Ion:168 Resp: 62083

Ion Ratio Lower Upper

168 100

99 63.8 48.8 73.2



#3

Chloromethane

Concen: Below Cal

RT: 1.288 min Scan# 33

Delta R.T. 0.000 min

Lab File: VX031320.D

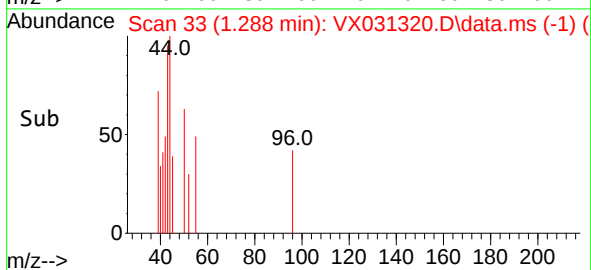
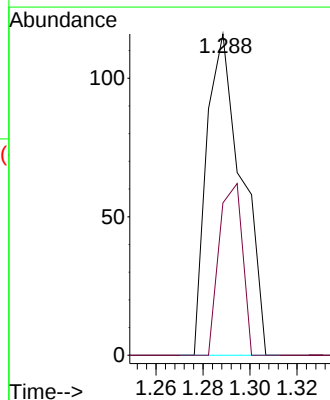
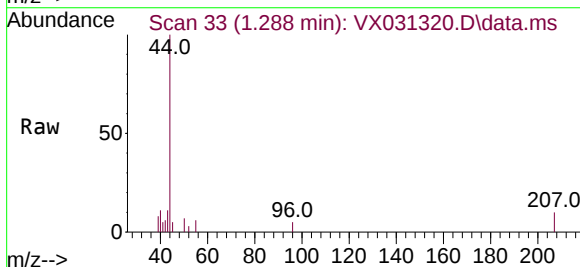
Acq: 14 Sep 2022 21:01

Tgt Ion: 50 Resp: 120

Ion Ratio Lower Upper

50 100

52 47.4 26.9 40.3#

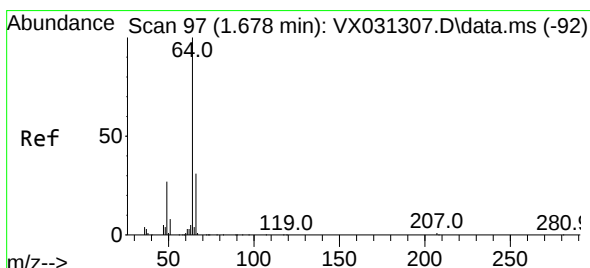
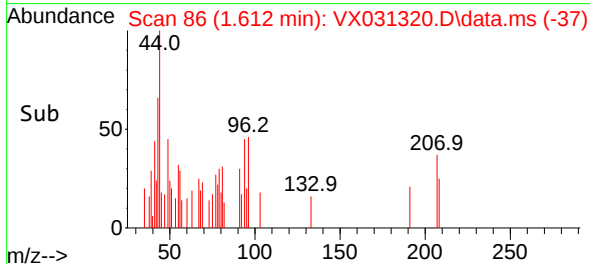
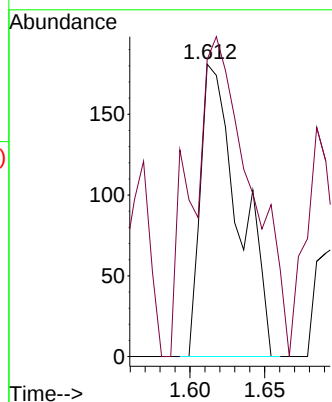
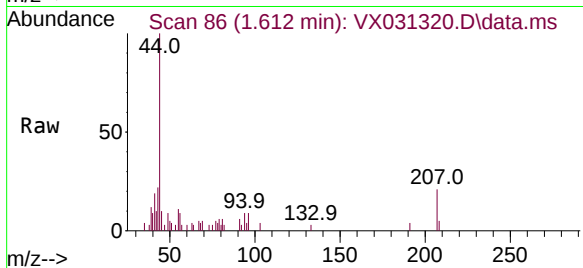




#5
Bromomethane
Concen: 0.397 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

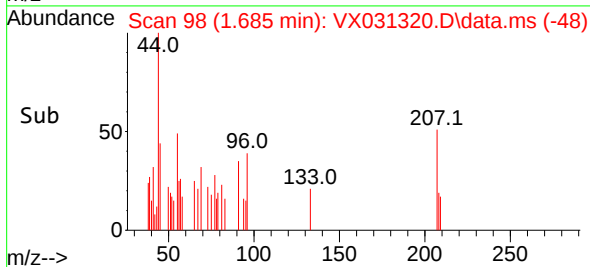
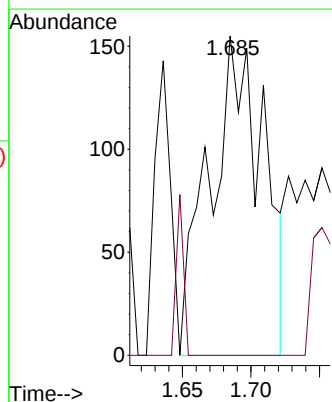
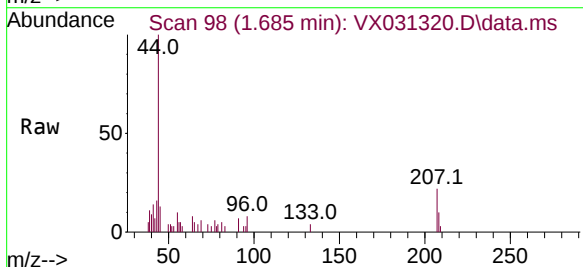
Instrument :
MSVOA_X
ClientSampleId :

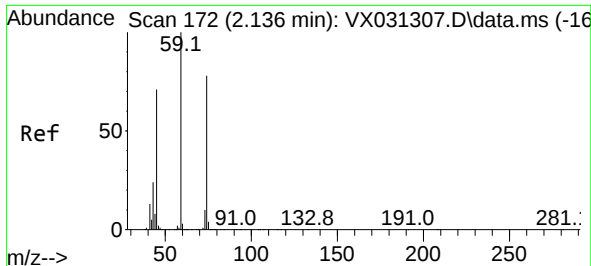
Tgt Ion: 94 Resp: 323
Ion Ratio Lower Upper
94 100
96 71.8 74.4 111.6#



#6
Chloroethane
Concen: 0.512 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

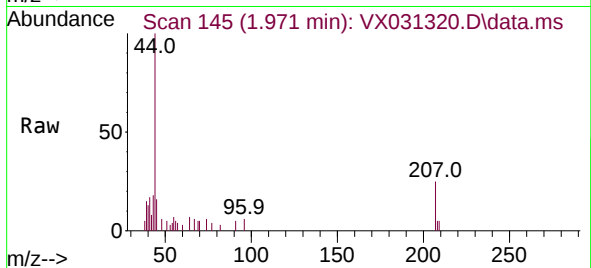
Tgt Ion: 64 Resp: 422
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



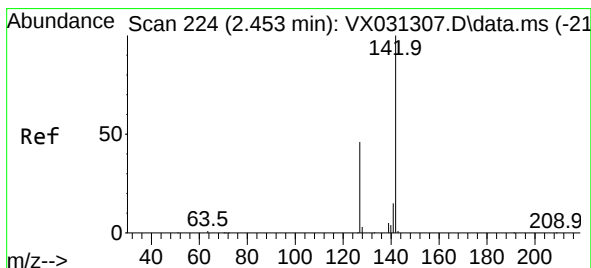
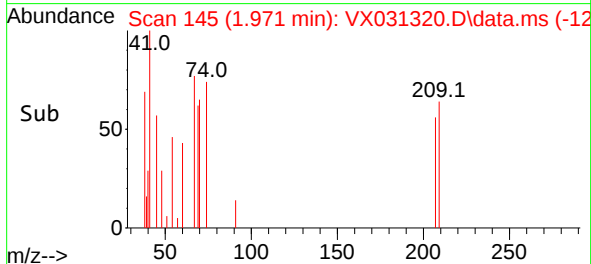
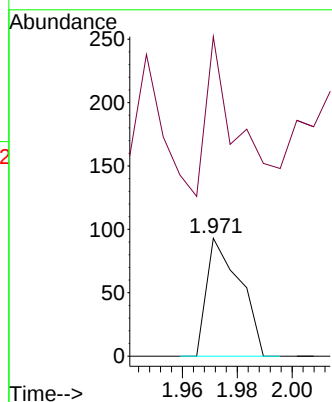


#8
Diethyl Ether
Concen: 0.612 ug/l
RT: 1.971 min Scan# 14
Delta R.T. -0.165 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :

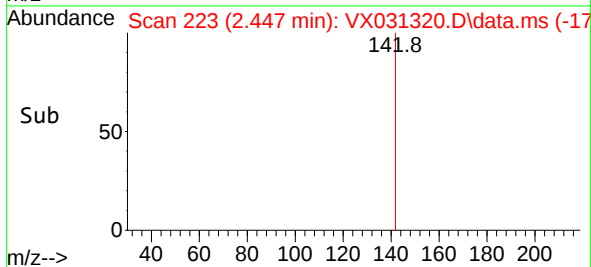
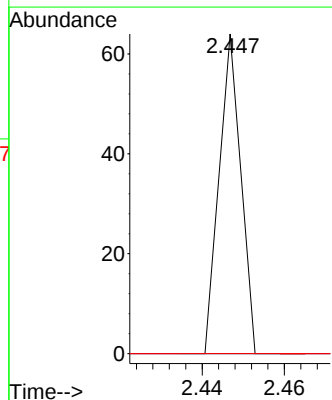
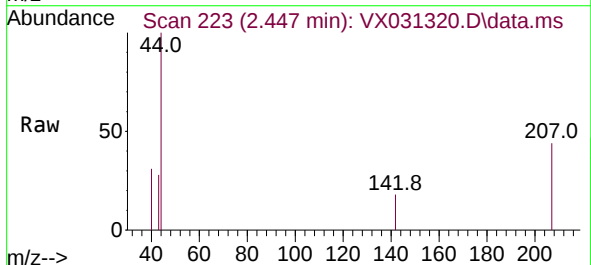


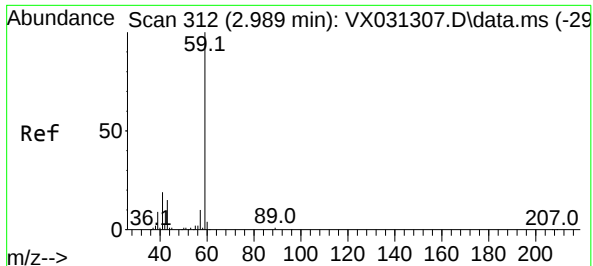
Tgt Ion: 74 Resp: 79
Ion Ratio Lower Upper
74 100
45 124.1 48.5 145.6



#10
Methyl Iodide
Concen: 0.931 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Tgt Ion: 142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.048 min

Lab File: VX031320.D

Acq: 14 Sep 2022 21:01

Instrument :

MSVOA_X

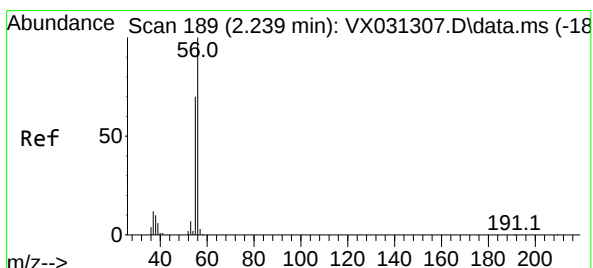
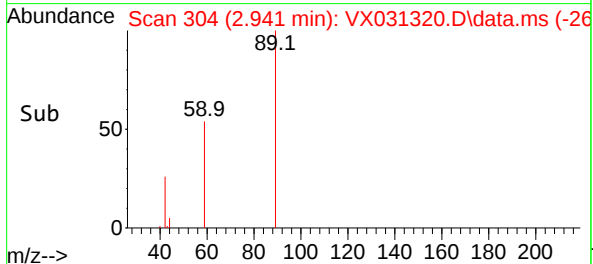
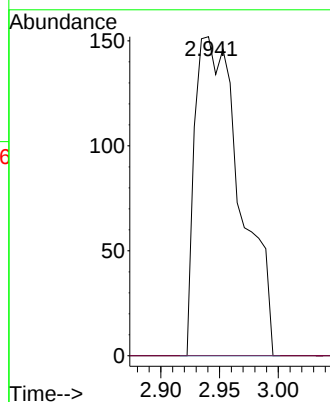
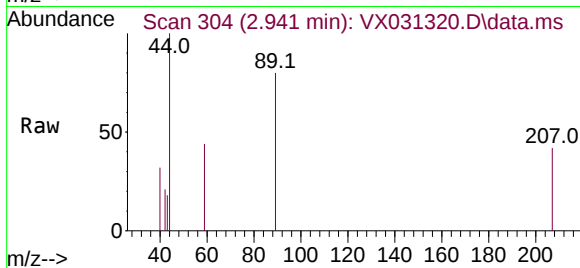
ClientSampleId :

Tgt Ion: 59 Resp: 410

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 1.558 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.030 min

Lab File: VX031320.D

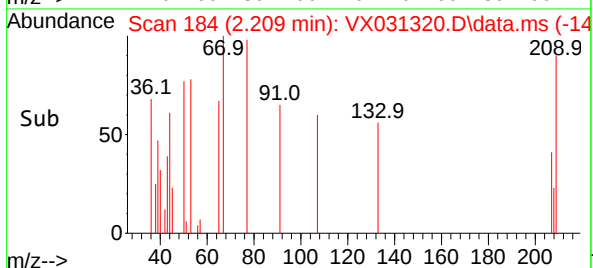
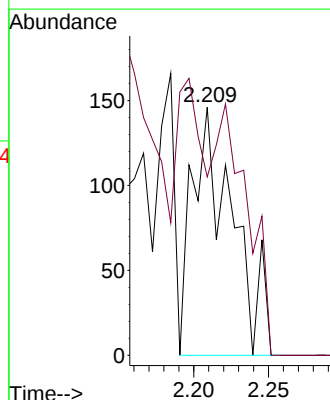
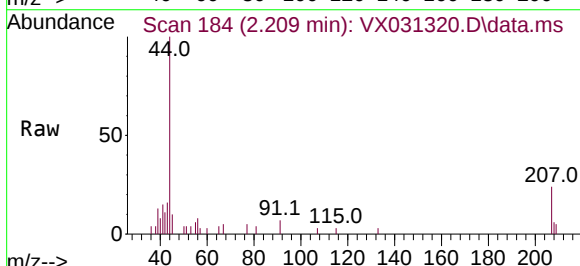
Acq: 14 Sep 2022 21:01

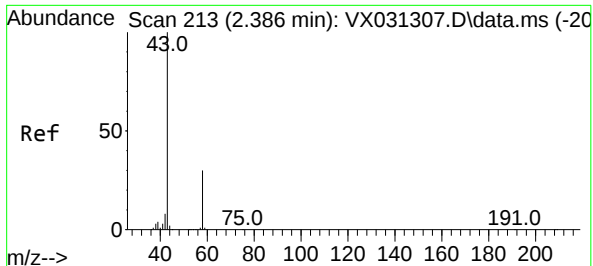
Tgt Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#

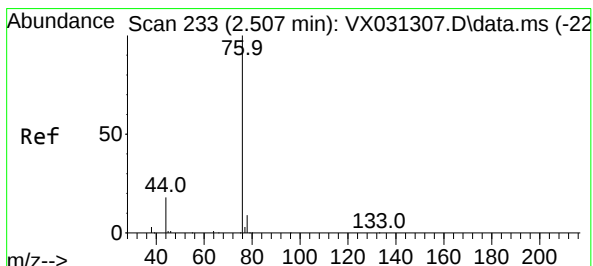
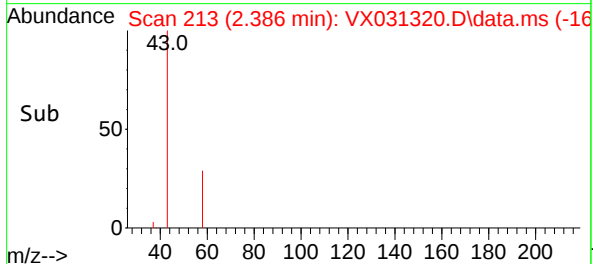
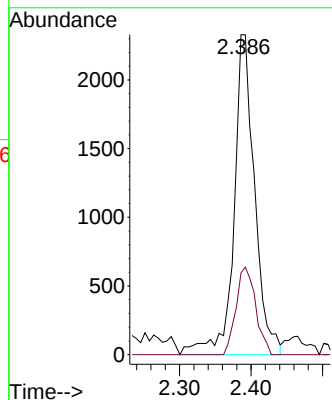
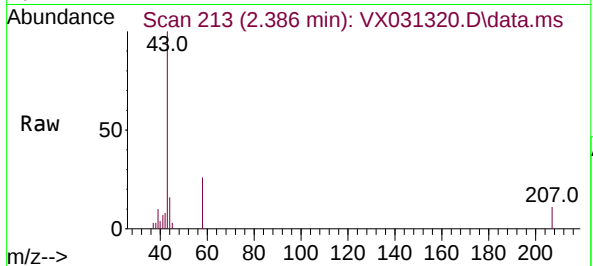




#16
Acetone
Concen: 7.196 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

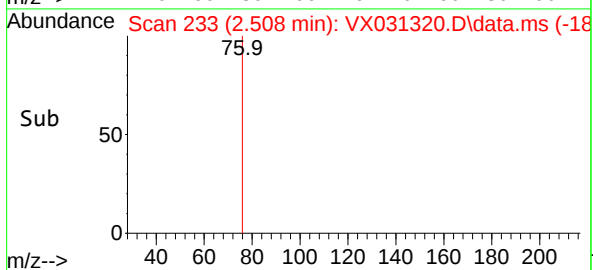
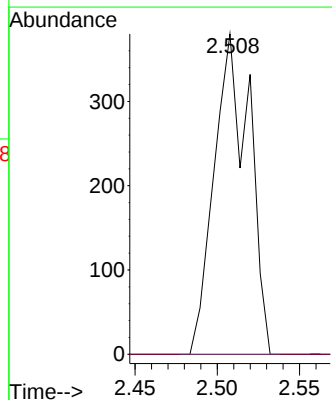
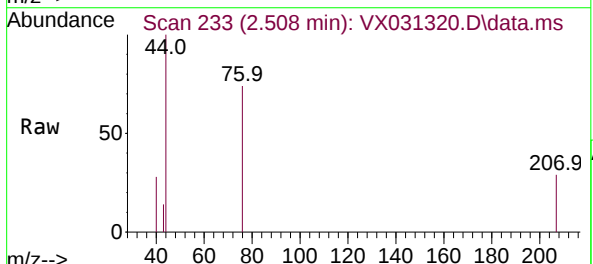
Instrument :
MSVOA_X
ClientSampleId :

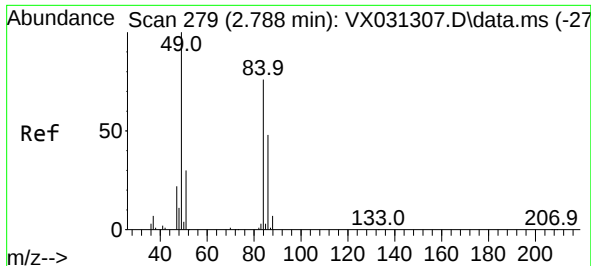
Tgt Ion: 43 Resp: 4681
Ion Ratio Lower Upper
43 100
58 25.5 23.8 35.8



#17
Carbon Disulfide
Concen: 1.147 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.001 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

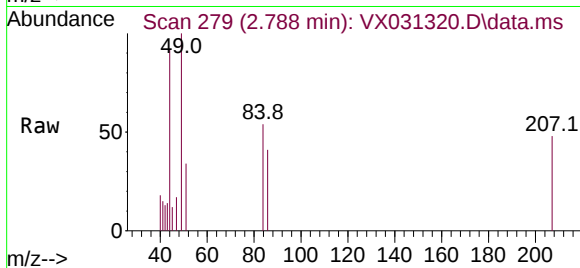
Tgt Ion: 76 Resp: 564
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



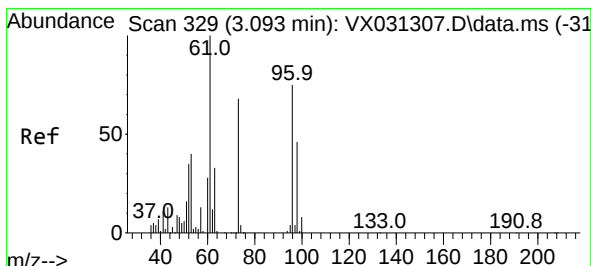
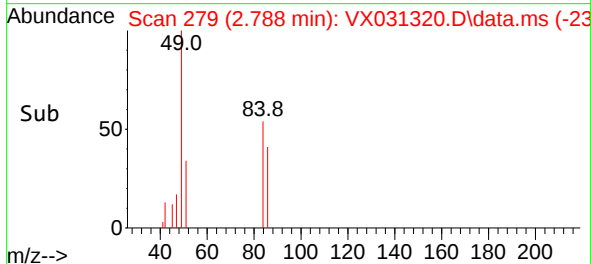
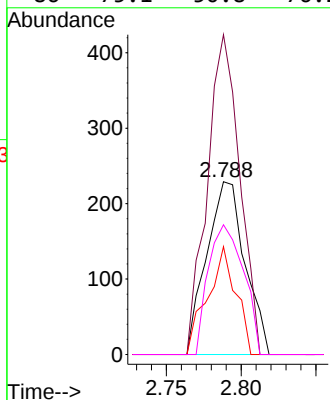


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :

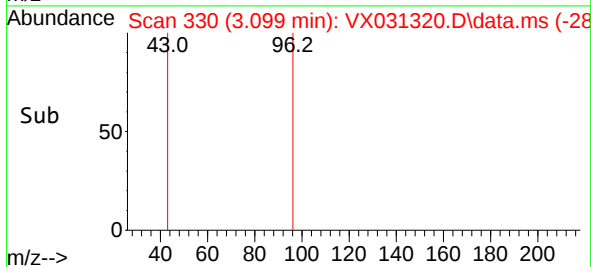
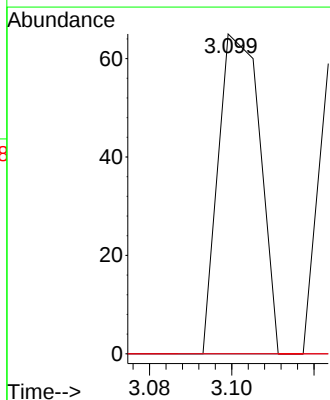
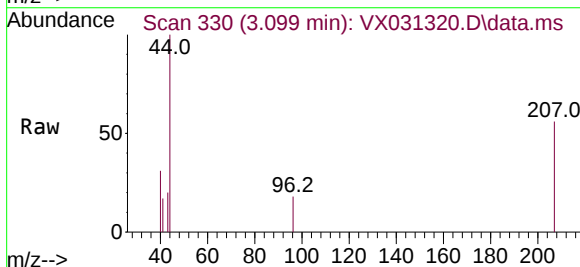


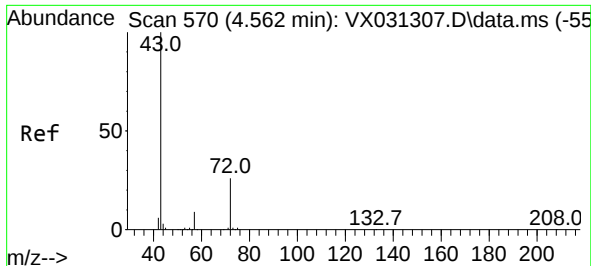
Tgt Ion:	84	Resp:	409
Ion	Ratio	Lower	Upper
84	100		
49	185.2	105.9	158.9#
51	62.4	32.2	48.2#
86	75.1	50.8	76.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Tgt Ion:	96	Resp:	46
Ion	Ratio	Lower	Upper
96	100		
61	0.0	106.7	160.1#
98	0.0	48.7	73.1#

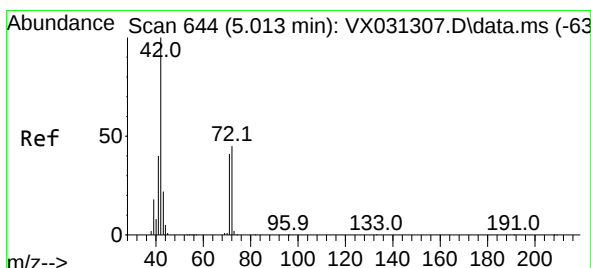
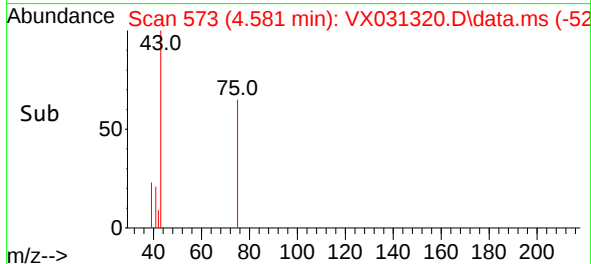
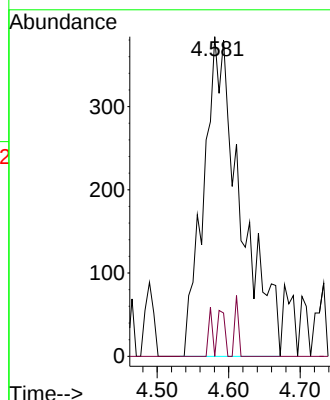
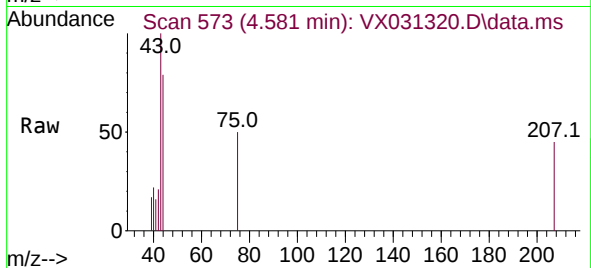




#25
2-Butanone
Concen: 1.296 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

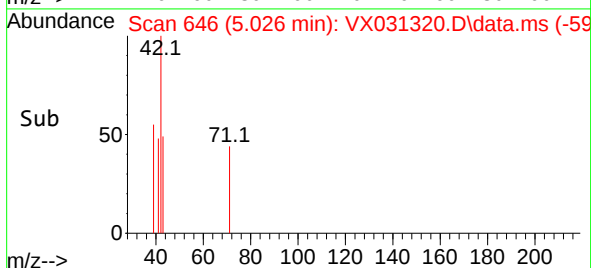
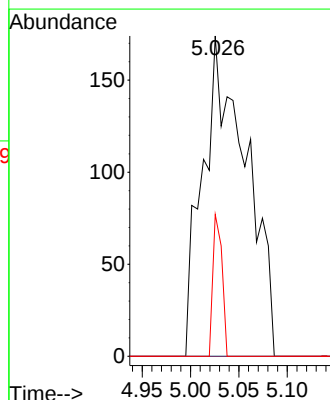
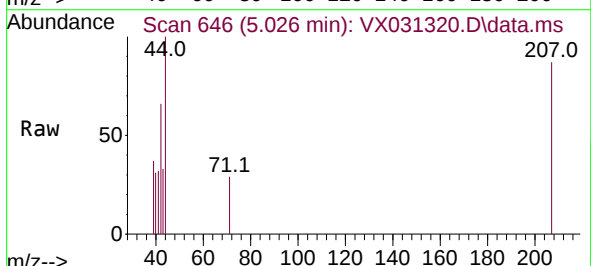
Instrument :
MSVOA_X
ClientSampleId :

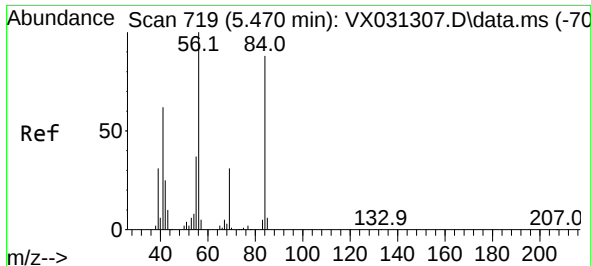
Tgt Ion: 43 Resp: 1391
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.817 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

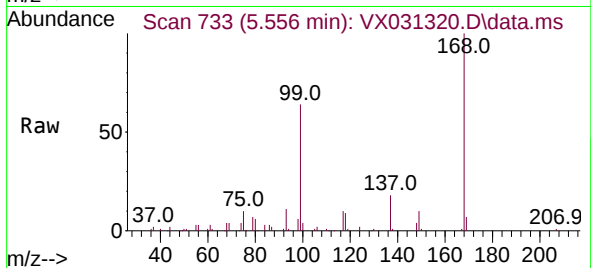
Tgt Ion: 42 Resp: 543
Ion Ratio Lower Upper
42 100
72 0.0 36.4 54.6#
71 9.2 33.5 50.3#



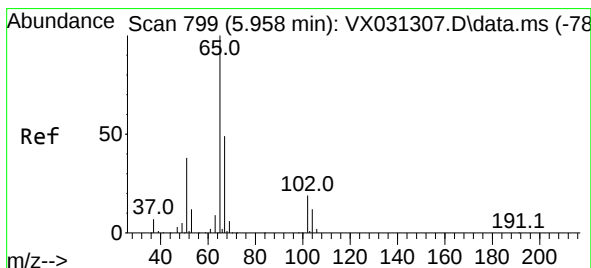
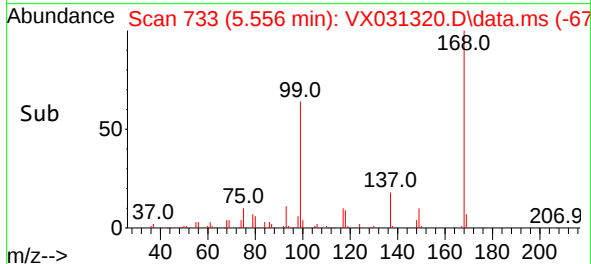
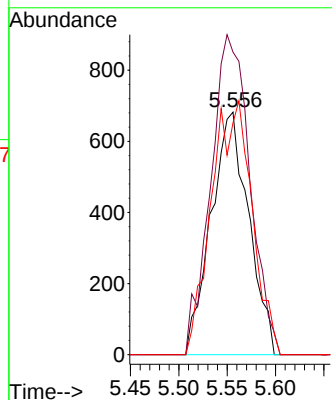


#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :

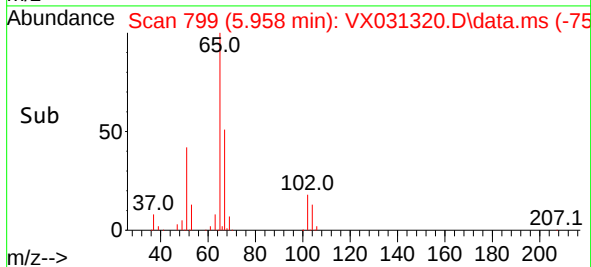
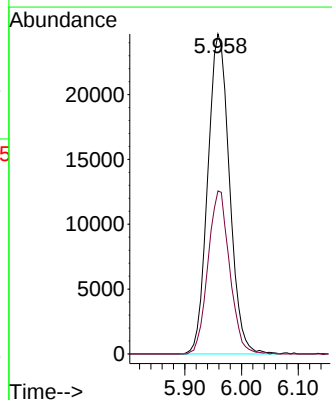
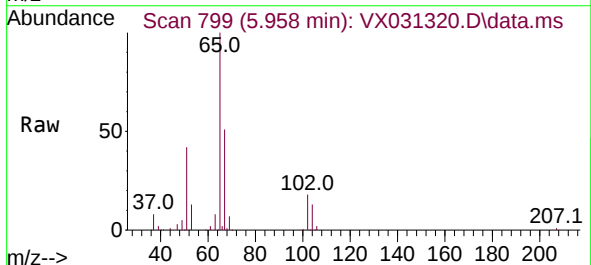


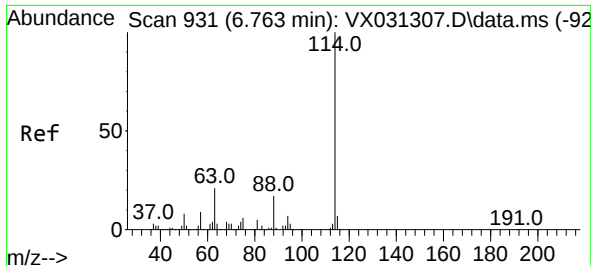
Tgt Ion: 56 Resp: 1847
Ion Ratio Lower Upper
56 100
69 124.8 25.1 37.7#
84 95.6 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 43.098 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Tgt Ion: 65 Resp: 65675
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.4

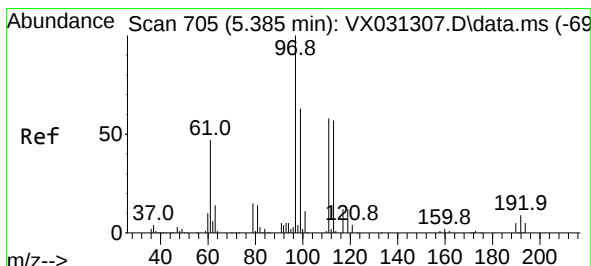
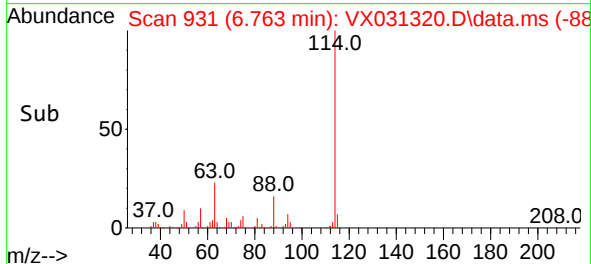
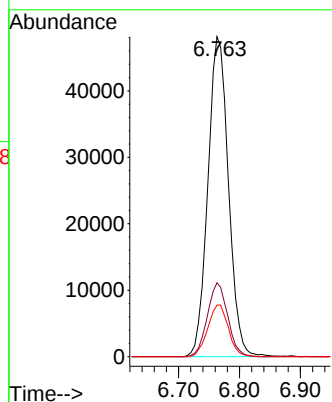
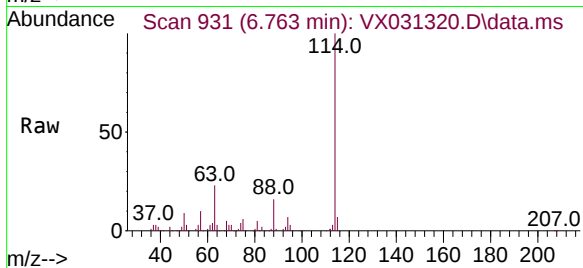




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

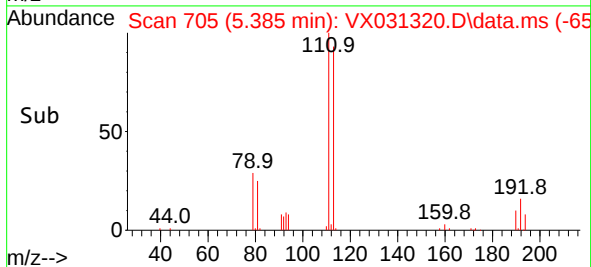
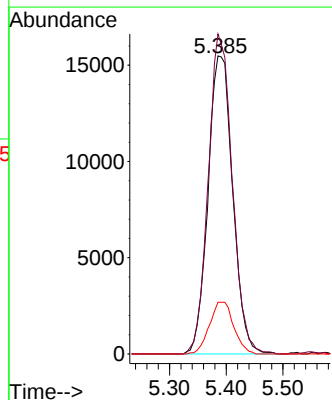
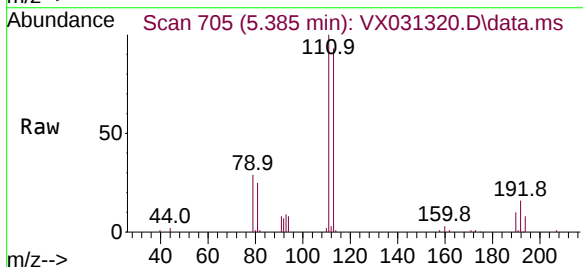
Instrument :
MSVOA_X
ClientSampleId :

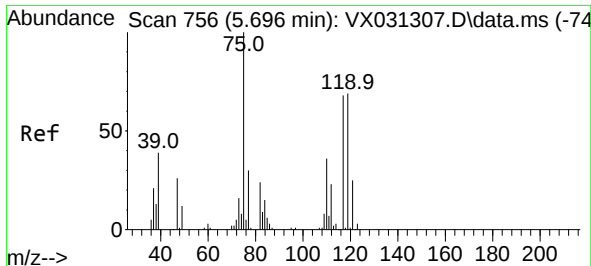
Tgt Ion:114 Resp: 112891
Ion Ratio Lower Upper
114 100
63 23.1 0.0 42.6
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 38.624 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

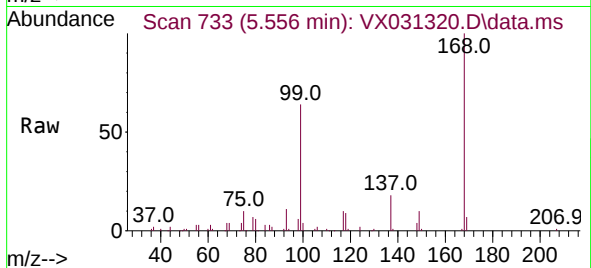
Tgt Ion:113 Resp: 46870
Ion Ratio Lower Upper
113 100
111 104.4 82.4 123.6
192 17.1 14.1 21.1



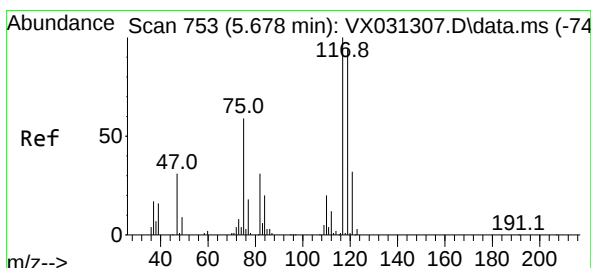
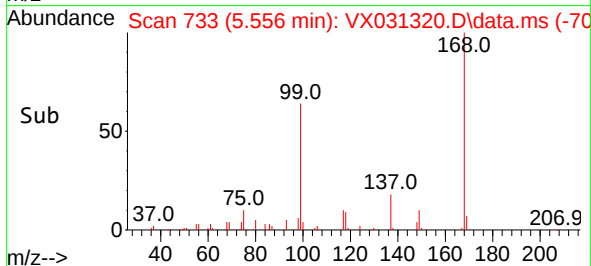
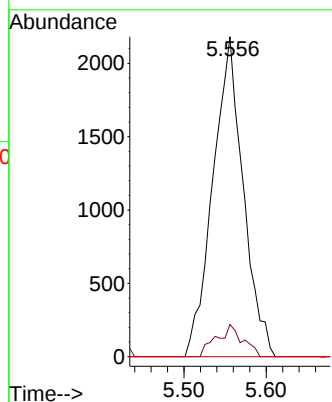


#36
1,1-Dichloropropene
Concen: 3.366 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :

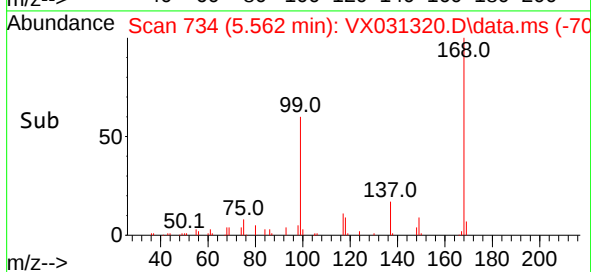
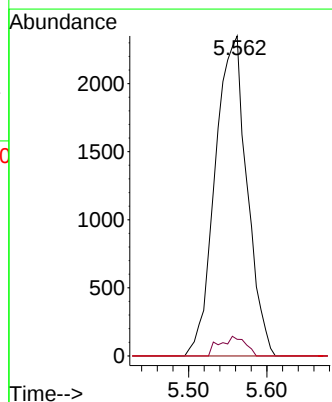
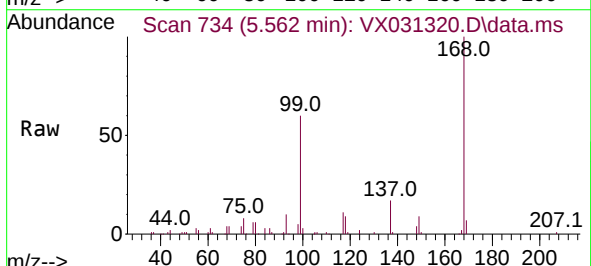


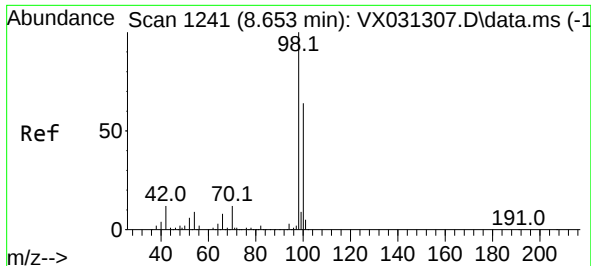
Tgt Ion: 75 Resp: 5590
Ion Ratio Lower Upper
75 100
110 8.7 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.672 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Tgt Ion: 117 Resp: 6629
Ion Ratio Lower Upper
117 100
119 5.2 74.6 112.0#
121 0.0 25.3 37.9#

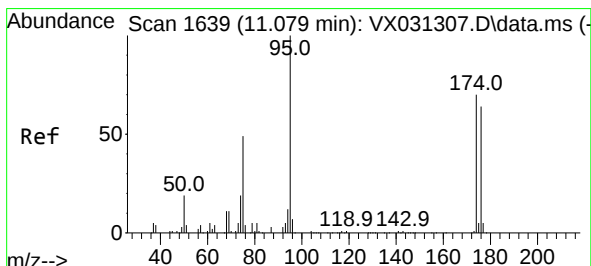
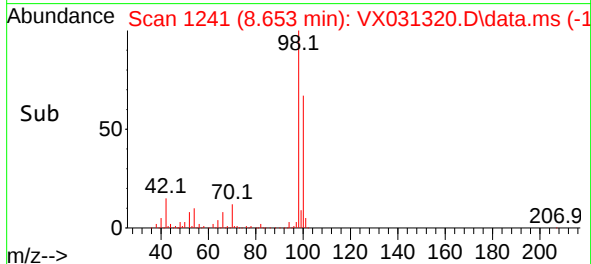
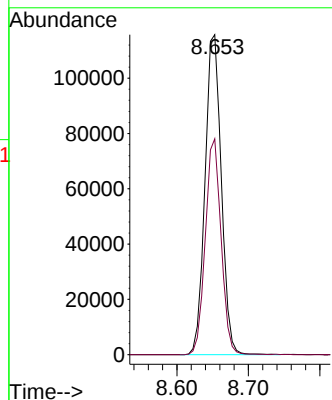
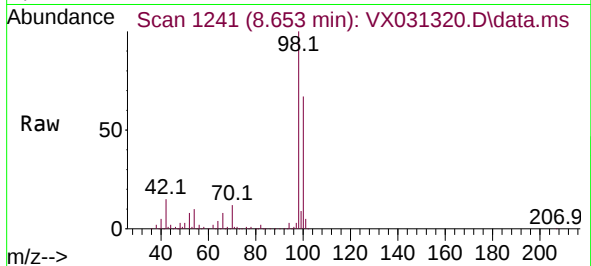




#50
Toluene-d8
Concen: 40.256 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

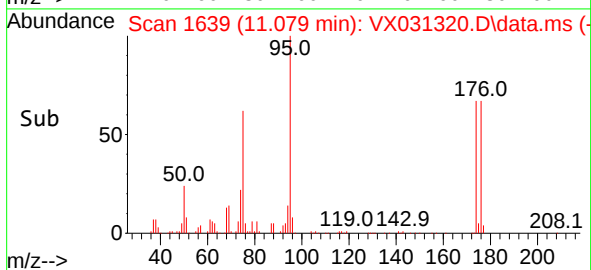
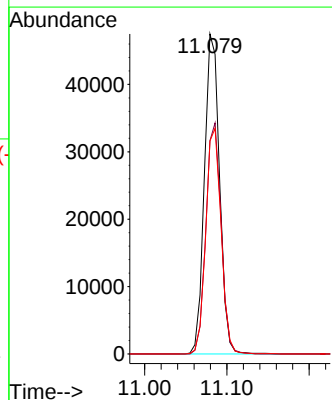
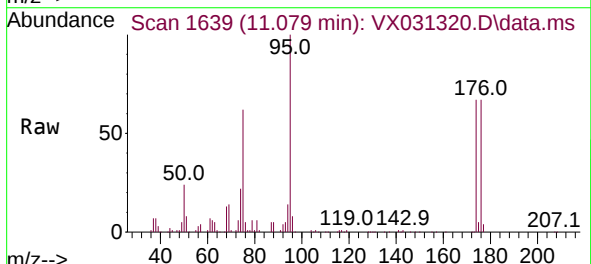
Instrument :
MSVOA_X
ClientSampleId :

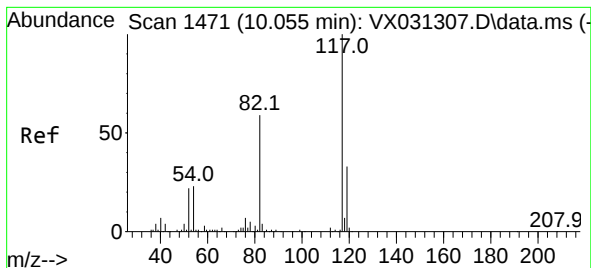
Tgt Ion: 98 Resp: 183247
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 36.472 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Tgt Ion: 95 Resp: 60796
Ion Ratio Lower Upper
95 100
174 72.4 0.0 153.2
176 71.2 0.0 144.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

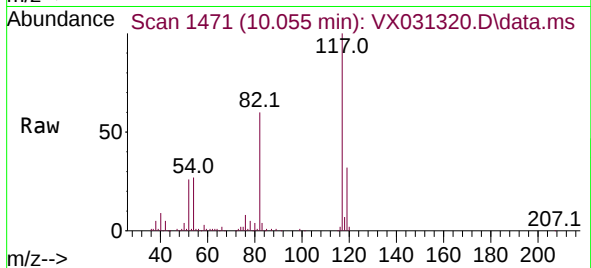
Lab File: VX031320.D

Acq: 14 Sep 2022 21:01

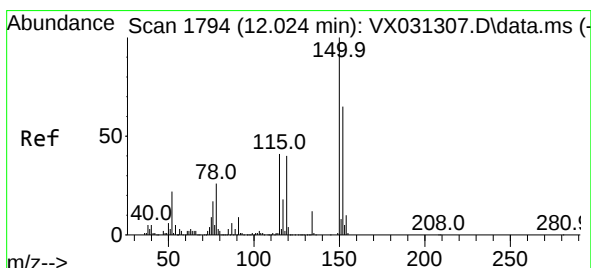
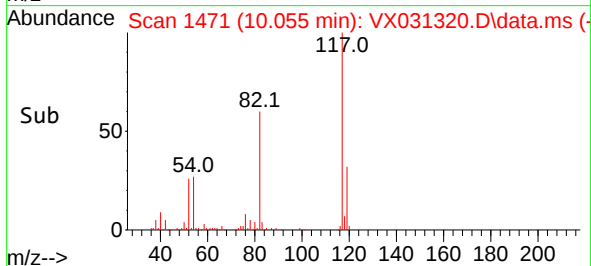
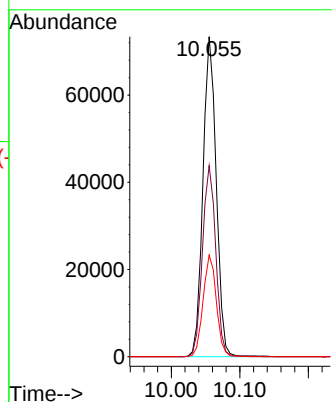
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	117	Resp:	99177
Ion Ratio	Lower	Upper	
117	100		
82	59.7	46.8	70.2
119	31.8	26.4	39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

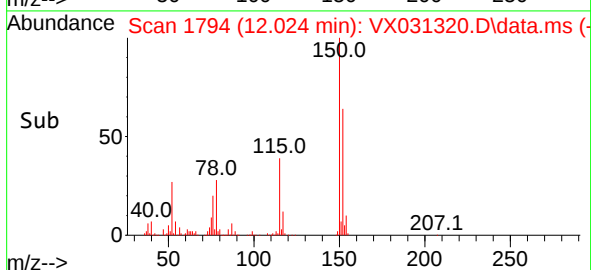
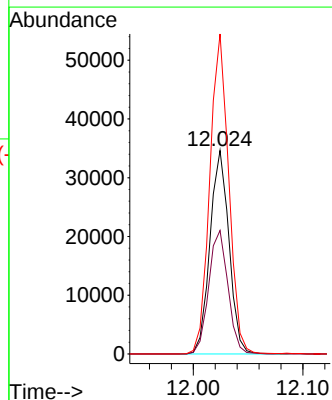
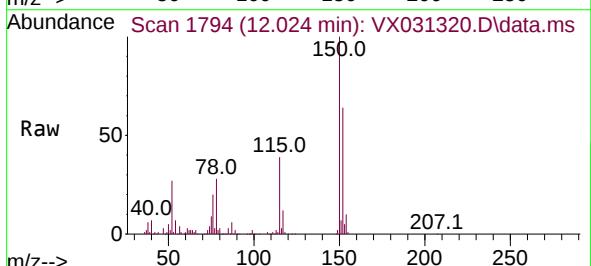
RT: 12.024 min Scan# 1794

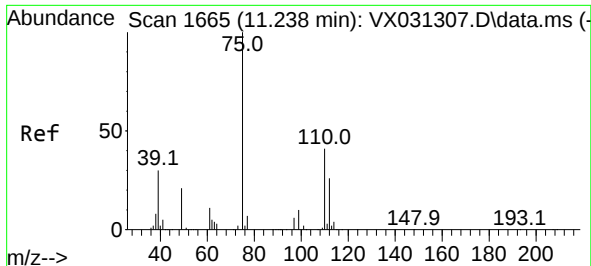
Delta R.T. 0.000 min

Lab File: VX031320.D

Acq: 14 Sep 2022 21:01

Tgt Ion:	152	Resp:	41786
Ion Ratio	Lower	Upper	
152	100		
115	61.3	43.4	130.1
150	156.2	0.0	346.8

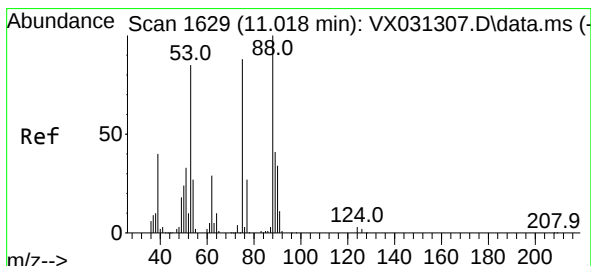
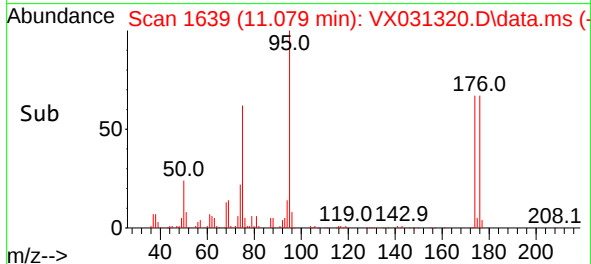
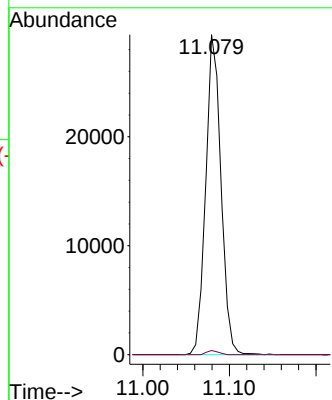
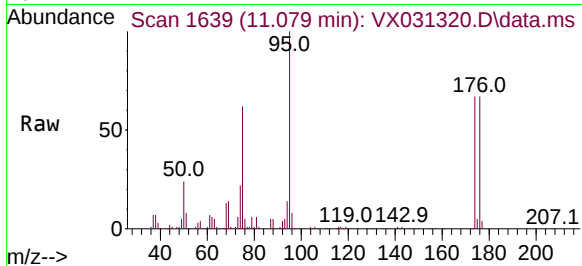




#76
1,2,3-Trichloropropane
Concen: 34.135 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35944
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031320.D
Acq: 14 Sep 2022 21:01

Tgt Ion: 75 Resp: 35944
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

