

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031328.D
 Acq On : 15 Sep 2022 00:09
 Operator : JC/MD
 Sample : N4578-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 06:08:29 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)

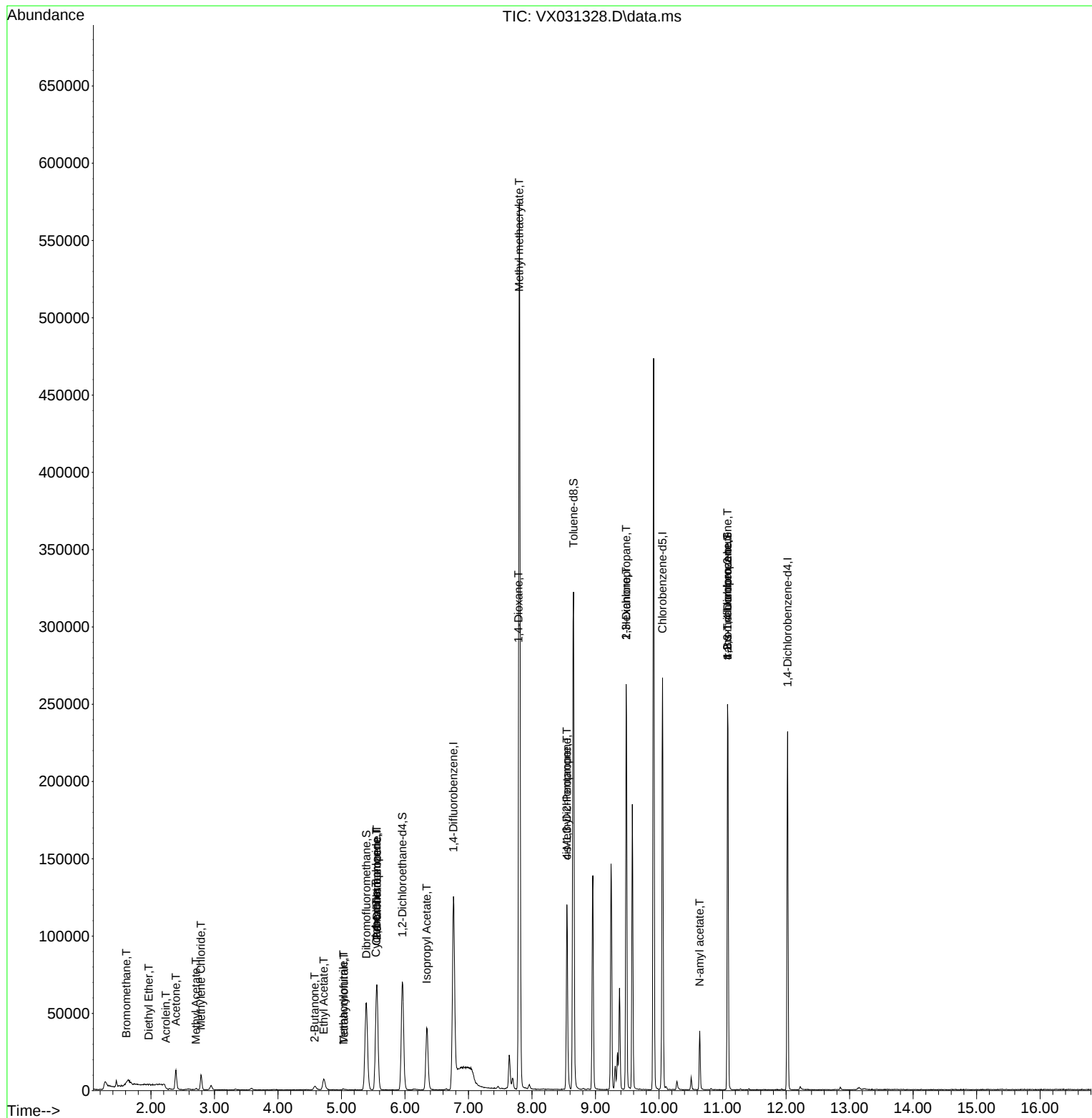
Internal Standards						
1) Pentafluorobenzene	5.556	168	60554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	109862	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65873	44.319	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.640%
35) Dibromofluoromethane	5.391	113	47514	40.234	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	80.460%
50) Toluene-d8	8.653	98	180392	40.722	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	81.440%#
62) 4-Bromofluorobenzene	11.079	95	60983	37.593	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	75.180%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	260	Below Cal	#	41
5) Bromomethane	1.611	94	165	0.208	ug/l	93
8) Diethyl Ether	1.965	74	23	0.554	ug/l #	1
11) Tert butyl alcohol	2.946	59	1871	Below Cal	#	75
13) Acrolein	2.233	56	94	0.548	ug/l #	1
16) Acetone	2.392	43	14861	23.421	ug/l	97
18) Methyl Acetate	2.709	43	1044	0.555	ug/l #	79
20) Methylene Chloride	2.788	84	3790	1.492	ug/l	87
21) trans-1,2-Dichloroethene	3.062	96	23	Below Cal	#	1
25) 2-Butanone	4.574	43	2602	2.486	ug/l #	84
29) Tetrahydrofuran	5.038	42	583	0.899	ug/l #	44
31) Cyclohexane	5.544	56	1793	1.123	ug/l #	38
36) 1,1-Dichloropropene	5.556	75	5730	3.545	ug/l #	49
37) Ethyl Acetate	4.721	43	12310	5.795	ug/l	97
38) Carbon Tetrachloride	5.550	117	6806	3.874	ug/l #	17
41) Methacrylonitrile	5.032	41	236	0.205	ug/l #	49
43) Isopropyl Acetate	6.342	43	57454	15.846	ug/l	97
48) Methyl methacrylate	7.799	41	50029	30.310	ug/l #	45
49) 1,4-Dioxane	7.787	88	19	0.574	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	41759	18.948	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	17109	7.893	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	2107	0.946	ug/l #	43
59) 2-Hexanone	9.482	43	31524	18.741	ug/l #	51
74) N-amyl acetate	10.640	43	9828	6.357	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	36288	34.203	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36288	94.641	ug/l #	11

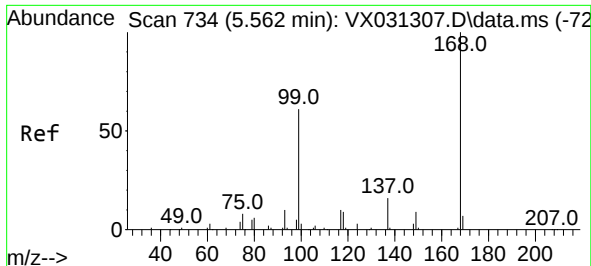
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
Data File : VX031328.D
Acq On : 15 Sep 2022 00:09
Operator : JC/MD
Sample : N4578-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 15 06:08:29 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX031328.D

Acq: 15 Sep 2022 00:09

Instrument :

MSVOA_X

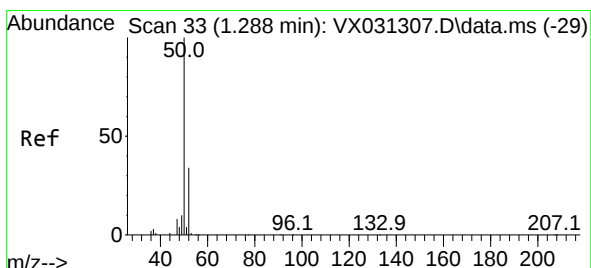
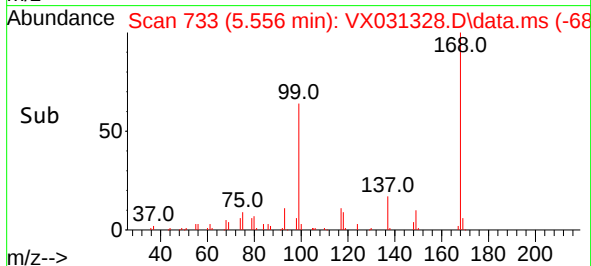
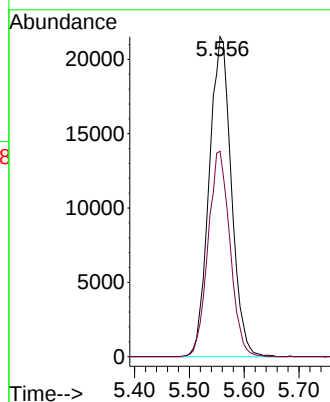
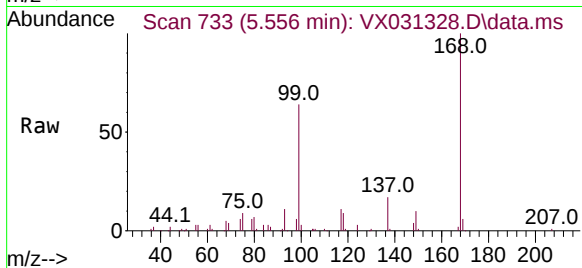
ClientSampleId :

Tgt Ion:168 Resp: 60554

Ion Ratio Lower Upper

168 100

99 64.2 48.8 73.2



#3

Chloromethane

Concen: Below Cal

RT: 1.300 min Scan# 35

Delta R.T. 0.012 min

Lab File: VX031328.D

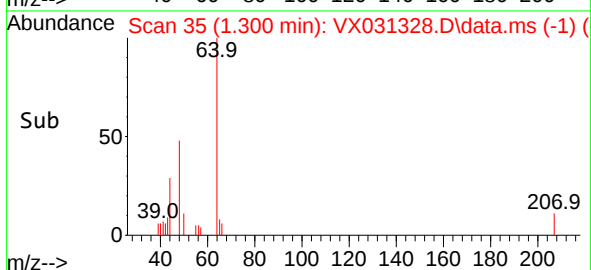
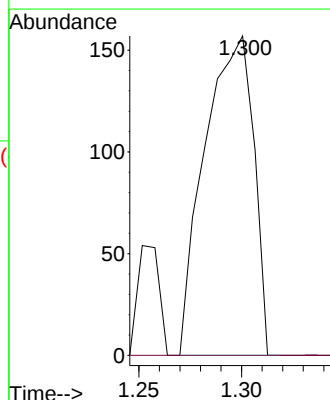
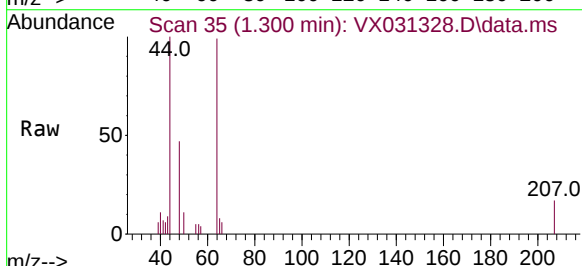
Acq: 15 Sep 2022 00:09

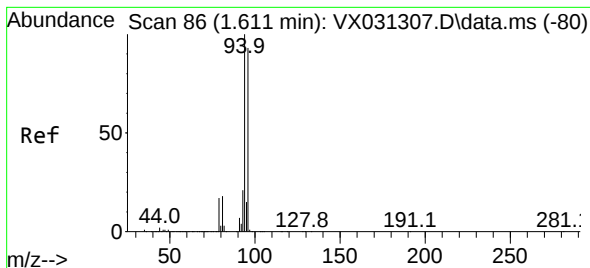
Tgt Ion: 50 Resp: 260

Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#





#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.611 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX031328.D

Acq: 15 Sep 2022 00:09

Instrument :

MSVOA_X

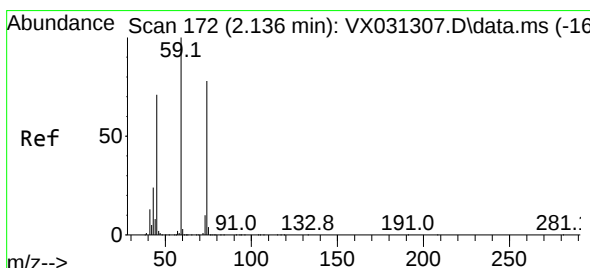
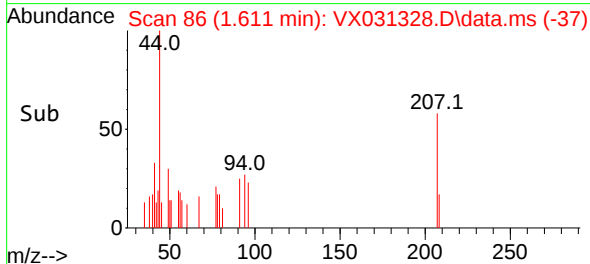
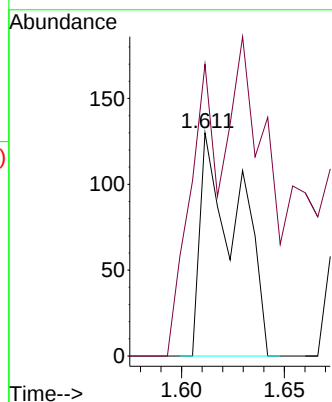
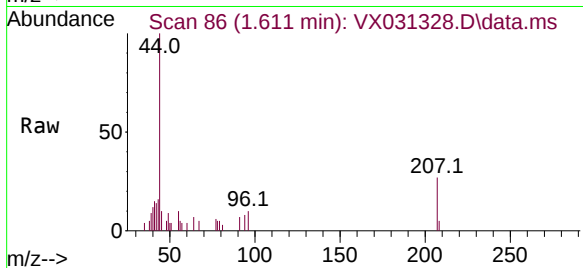
ClientSampleId :

Tgt Ion: 94 Resp: 165

Ion Ratio Lower Upper

94 100

96 86.2 74.4 111.6



#8

Diethyl Ether

Concen: 0.554 ug/l

RT: 1.965 min Scan# 144

Delta R.T. -0.171 min

Lab File: VX031328.D

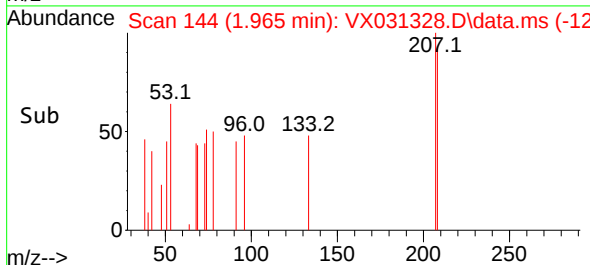
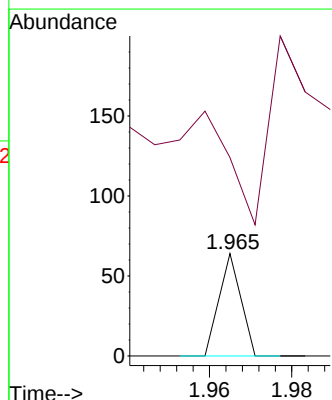
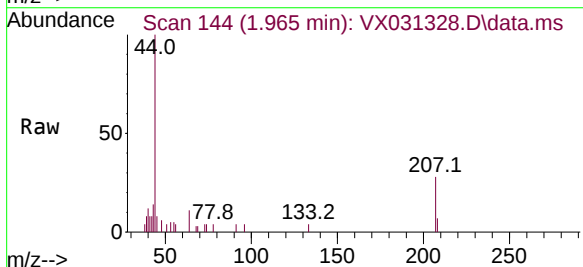
Acq: 15 Sep 2022 00:09

Tgt Ion: 74 Resp: 23

Ion Ratio Lower Upper

74 100

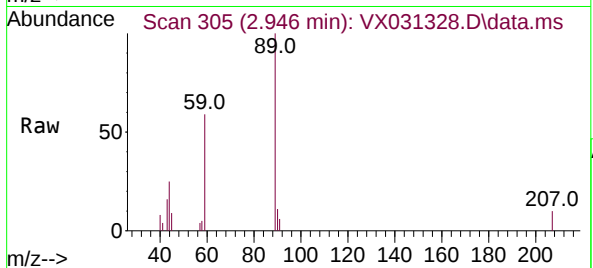
45 508.7 48.5 145.6#



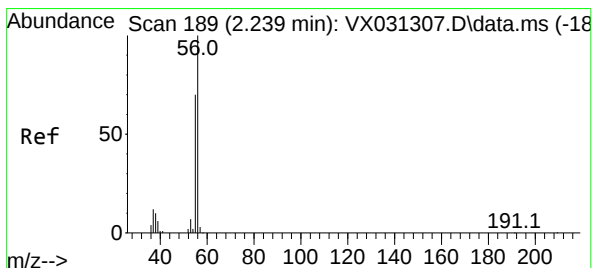
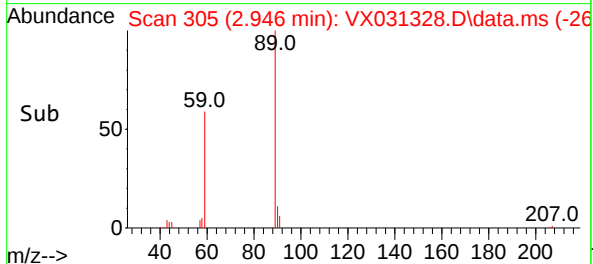
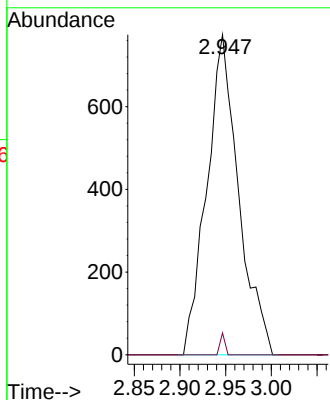


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 30
Delta R.T. -0.042 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :

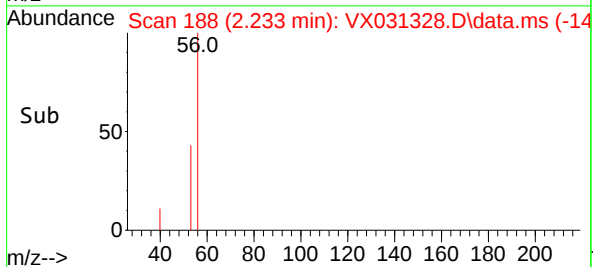
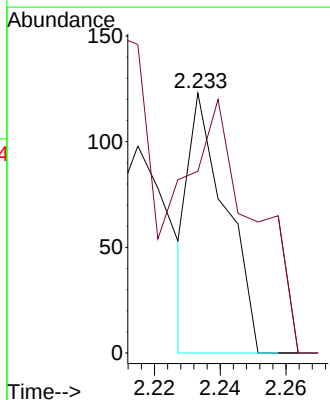
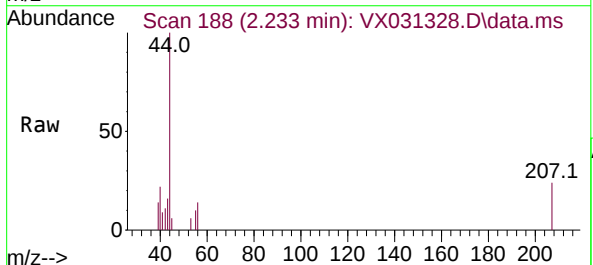


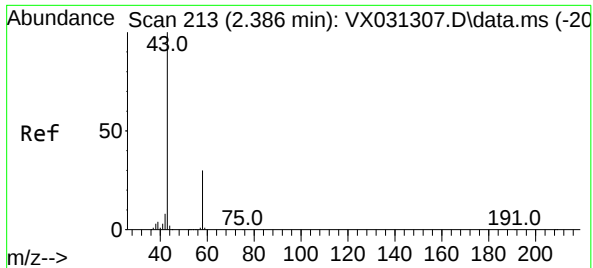
Tgt Ion: 59 Resp: 1871
Ion Ratio Lower Upper
59 100
57 1.0 8.2 12.2#



#13
Acrolein
Concen: 0.548 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 155.3 56.0 84.0#

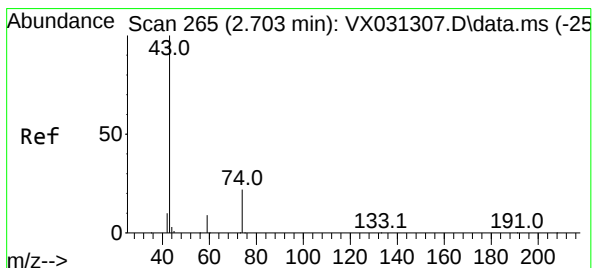
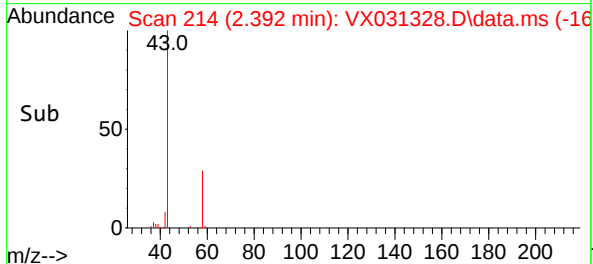
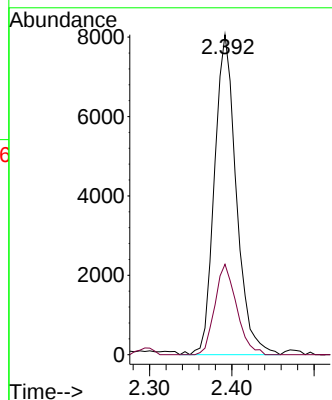
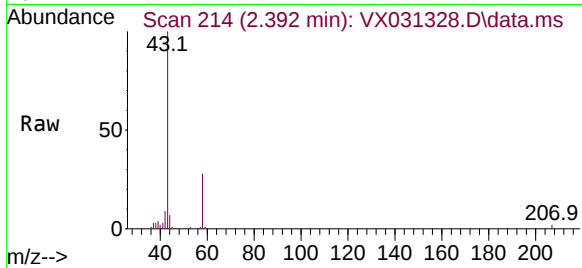




#16
Acetone
Concen: 23.421 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

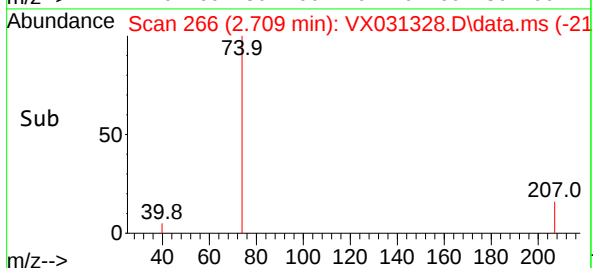
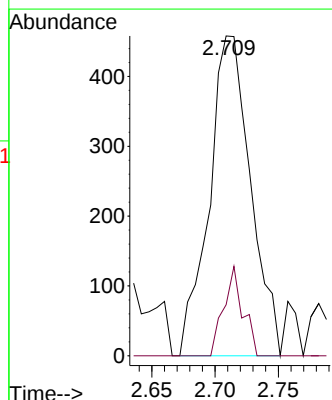
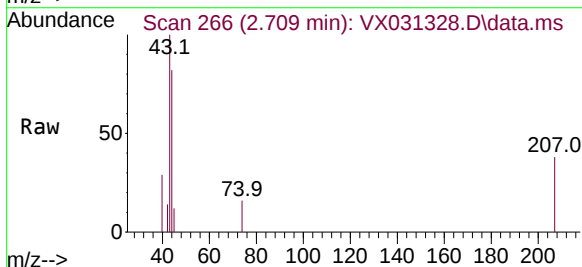
Instrument :
MSVOA_X
ClientSampleId :

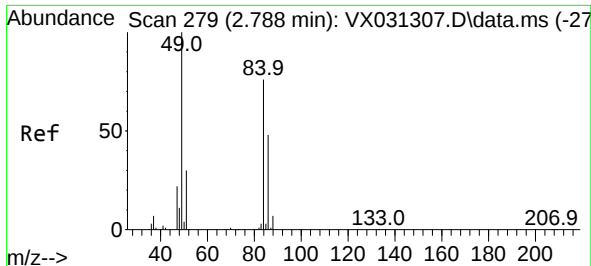
Tgt Ion: 43 Resp: 14861
Ion Ratio Lower Upper
43 100
58 28.3 23.8 35.8



#18
Methyl Acetate
Concen: 0.555 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

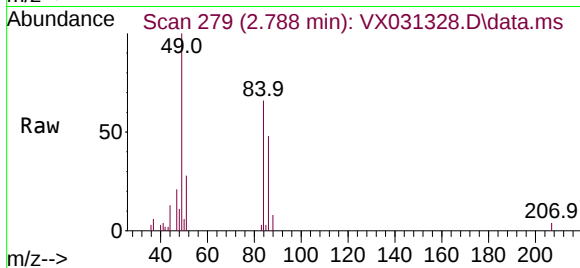
Tgt Ion: 43 Resp: 1044
Ion Ratio Lower Upper
43 100
74 12.9 18.6 27.8#





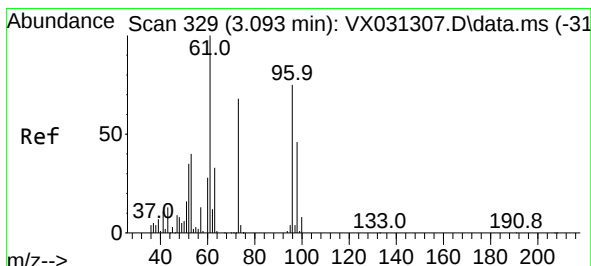
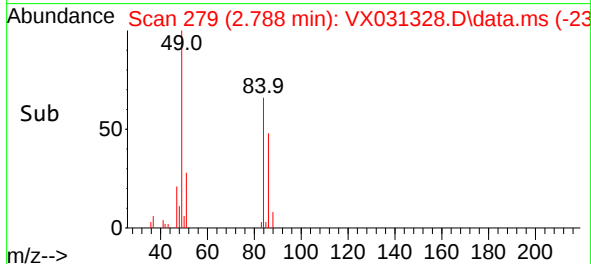
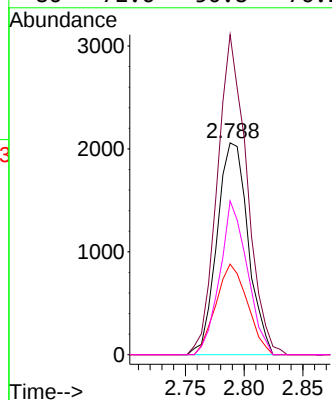
#20
Methylene Chloride
Concen: 1.492 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 3790

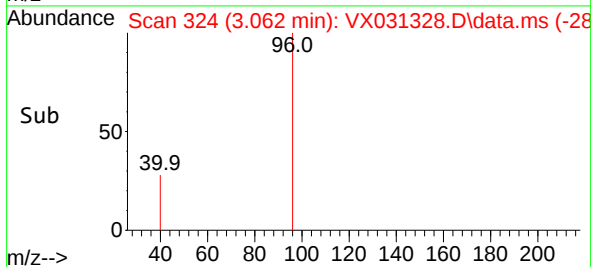
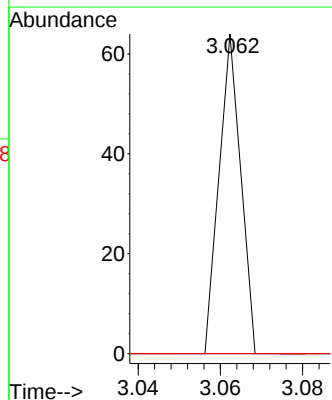
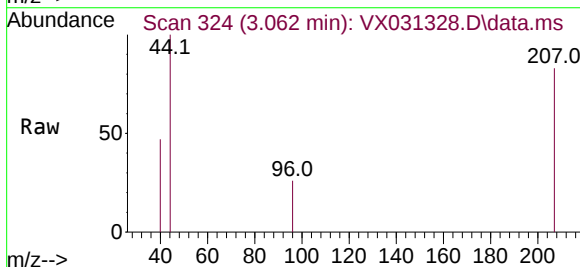
Ion	Ratio	Lower	Upper
84	100		
49	151.0	105.9	158.9
51	42.8	32.2	48.2
86	72.6	50.8	76.2

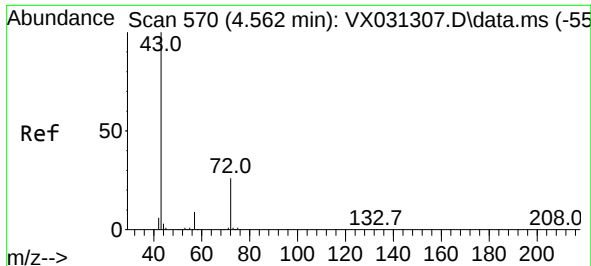


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.062 min Scan# 324
Delta R.T. -0.031 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Tgt Ion: 96 Resp: 23

Ion	Ratio	Lower	Upper
96	100		
61	0.0	106.7	160.1#
98	0.0	48.7	73.1#





#25

2-Butanone

Concen: 2.486 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

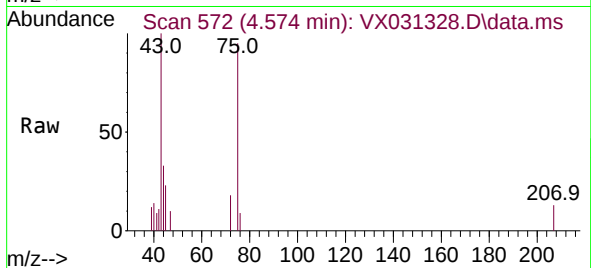
Lab File: VX031328.D

Acq: 15 Sep 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

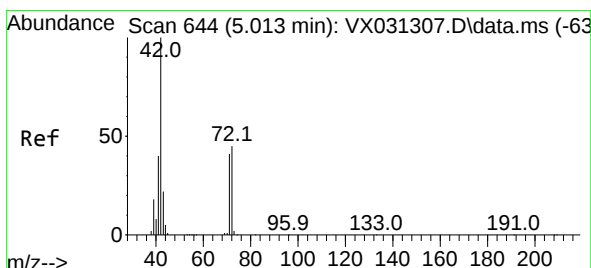
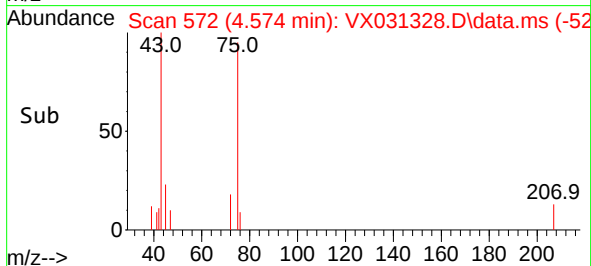
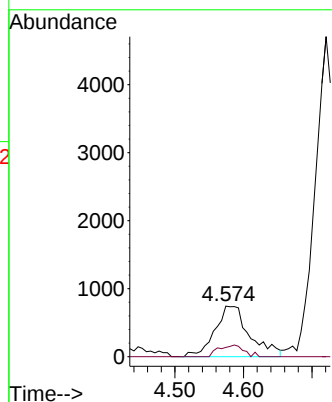


Tgt Ion: 43 Resp: 2602

Ion Ratio Lower Upper

43 100

72 18.3 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.899 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.024 min

Lab File: VX031328.D

Acq: 15 Sep 2022 00:09

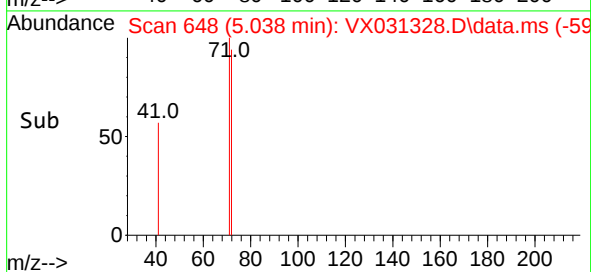
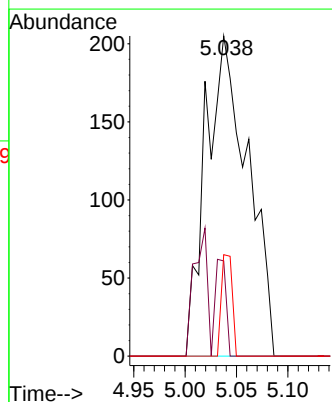
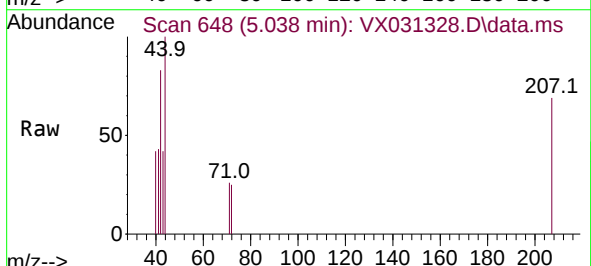
Tgt Ion: 42 Resp: 583

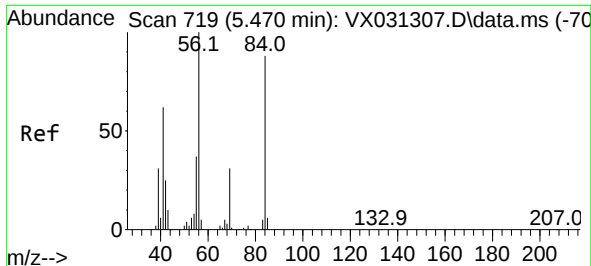
Ion Ratio Lower Upper

42 100

72 7.7 36.4 54.6#

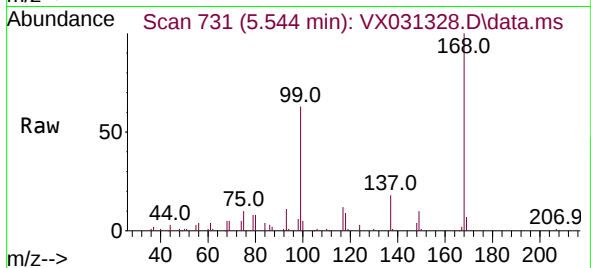
71 8.1 33.5 50.3#



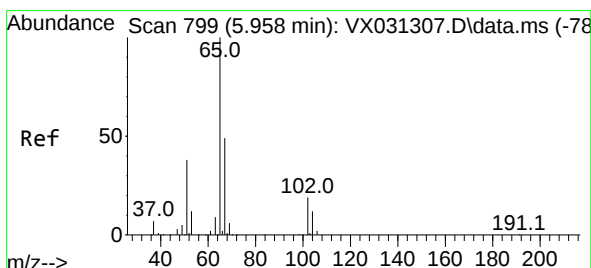
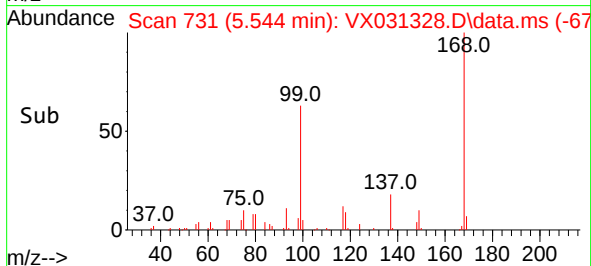
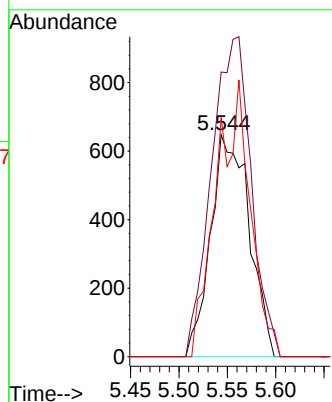


#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :

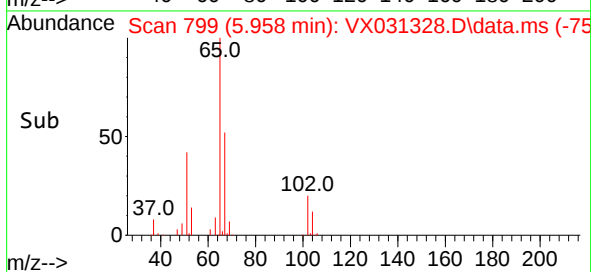
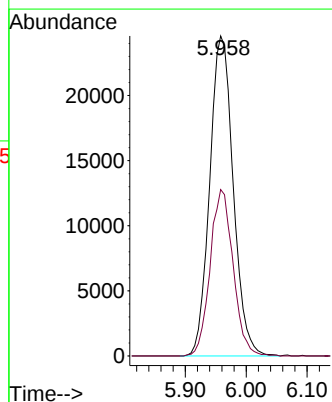
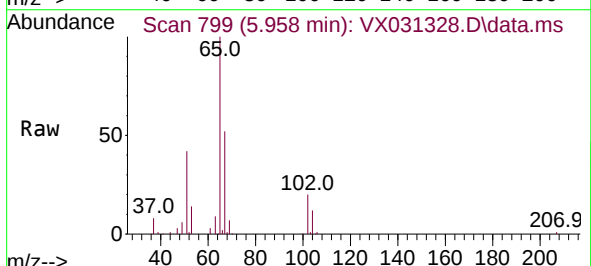


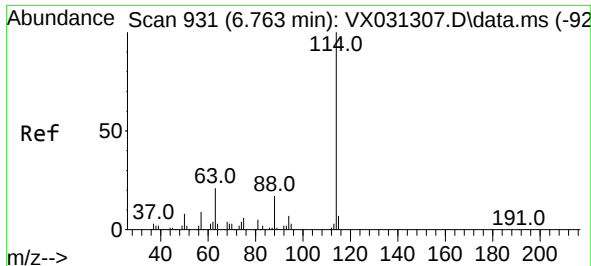
Tgt Ion: 56 Resp: 1793
Ion Ratio Lower Upper
56 100
69 128.2 25.1 37.7#
84 107.7 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 44.319 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

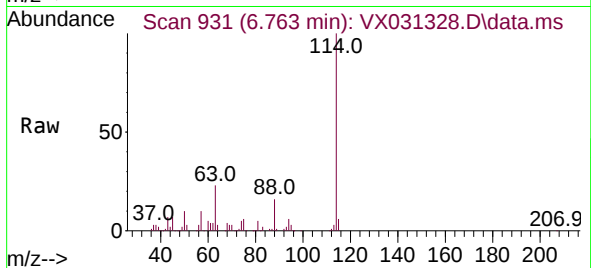
Tgt Ion: 65 Resp: 65873
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4



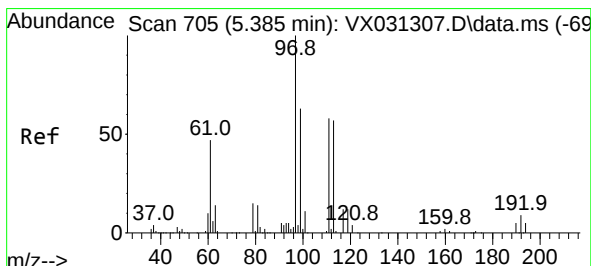
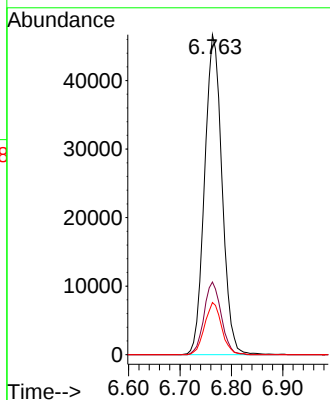
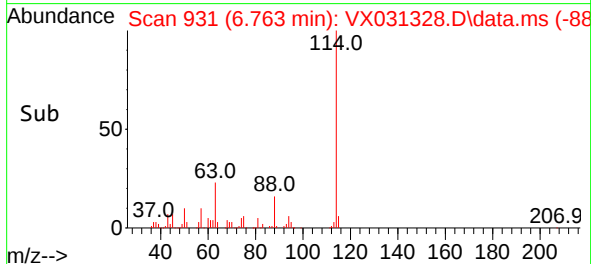


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :

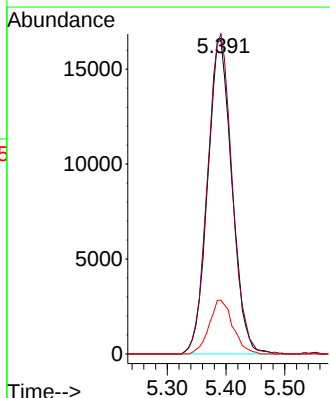
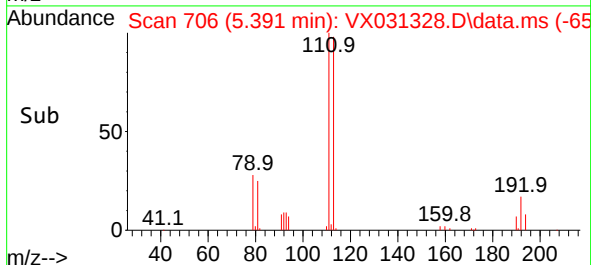
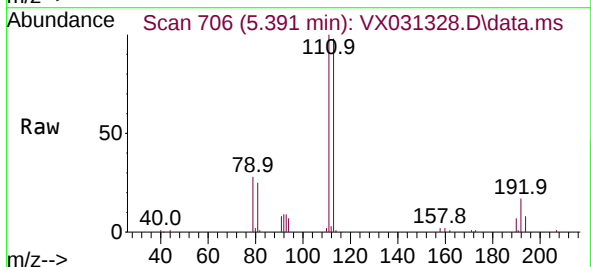


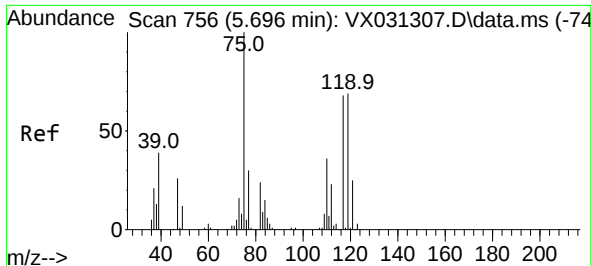
Tgt Ion:114 Resp: 109862
Ion Ratio Lower Upper
114 100
63 22.7 0.0 42.6
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 40.234 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

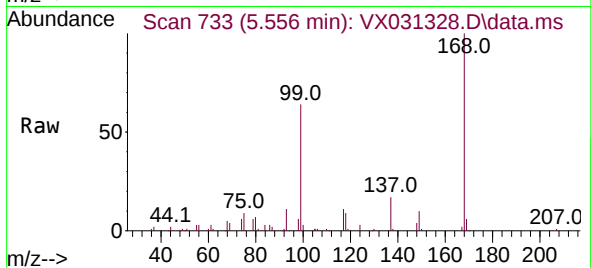
Tgt Ion:113 Resp: 47514
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 16.6 14.1 21.1



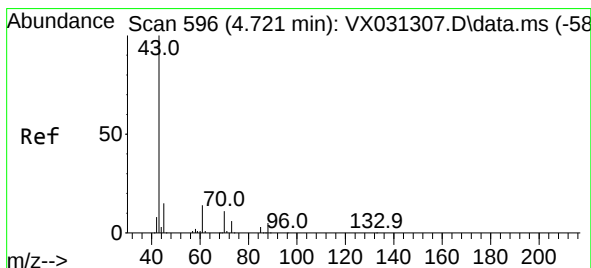
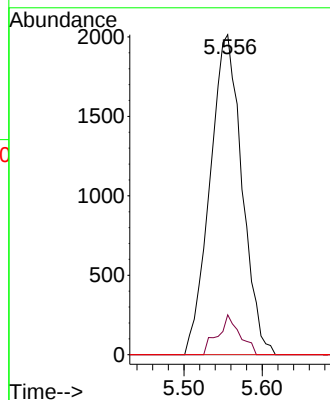
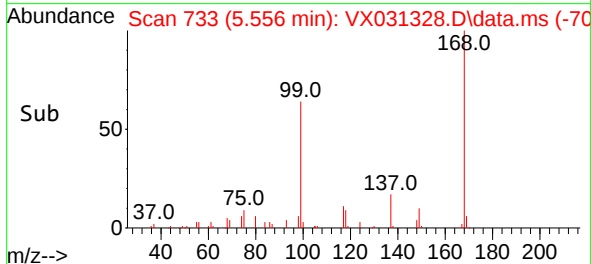


#36
1,1-Dichloropropene
Concen: 3.545 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :

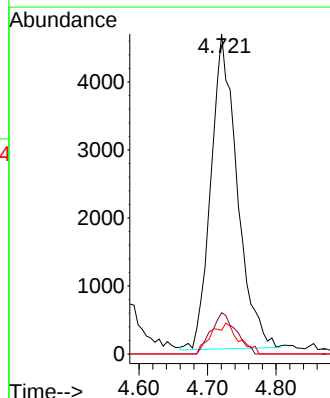
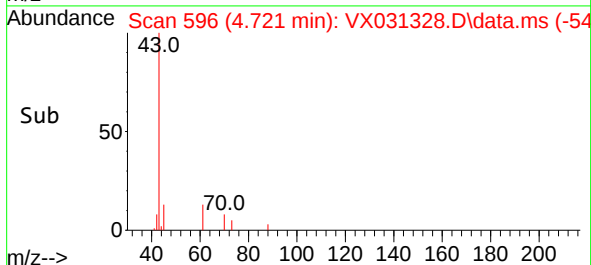
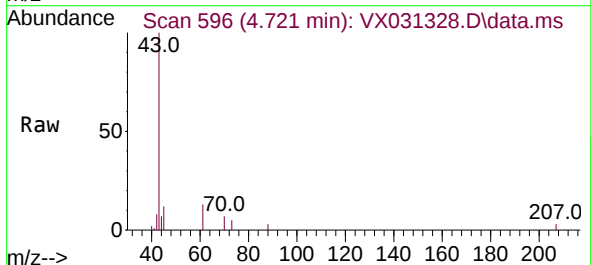


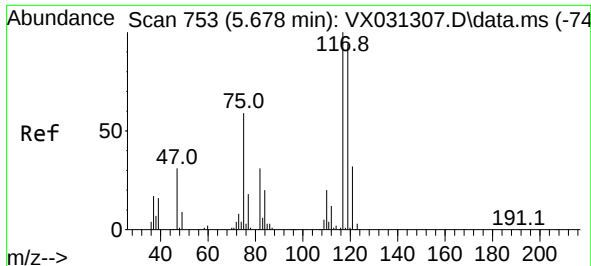
Tgt Ion: 75 Resp: 5730
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 5.795 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

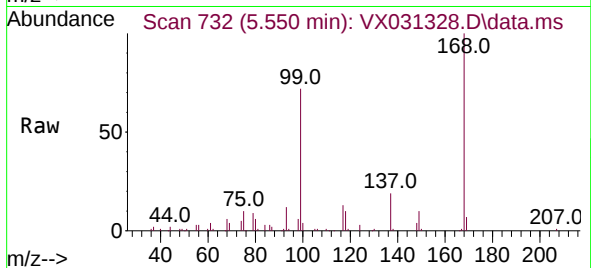
Tgt Ion: 43 Resp: 12310
Ion Ratio Lower Upper
43 100
61 12.4 11.1 16.7
70 10.3 8.6 13.0



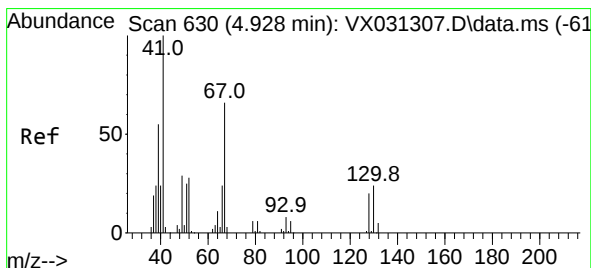
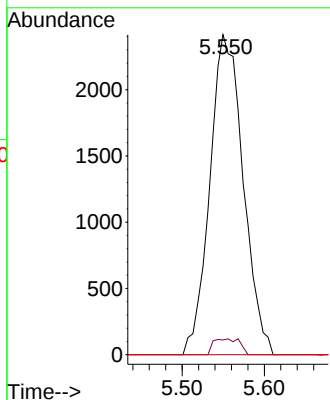
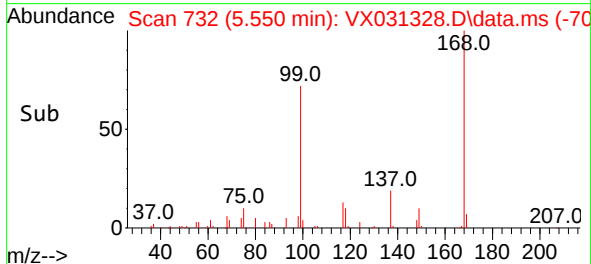


#38
Carbon Tetrachloride
Concen: 3.874 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :

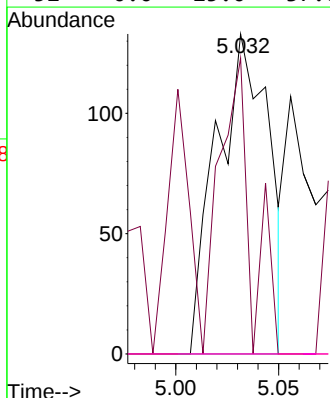
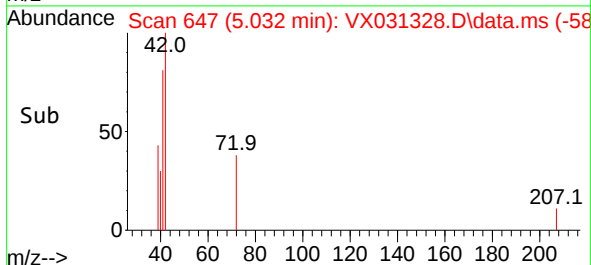
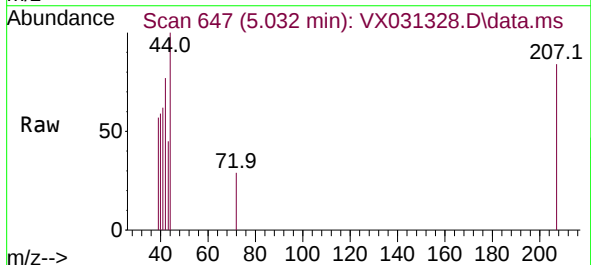


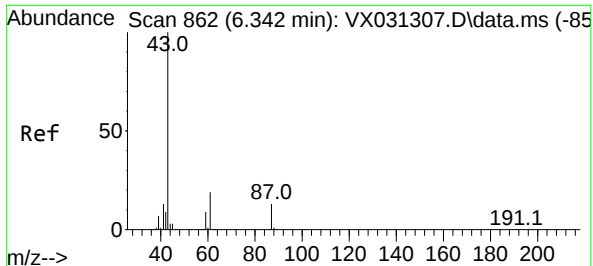
Tgt Ion:117 Resp: 6806
Ion Ratio Lower Upper
117 100
119 4.6 74.6 112.0#
121 0.0 25.3 37.9#



#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Tgt Ion: 41 Resp: 236
Ion Ratio Lower Upper
41 100
39 56.4 45.0 67.6
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#

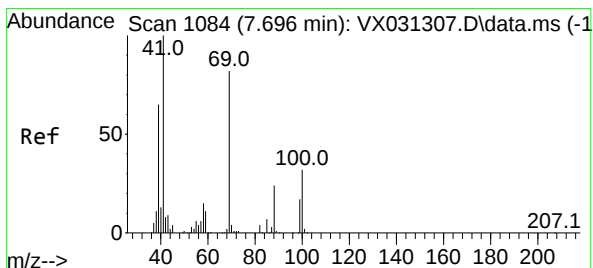
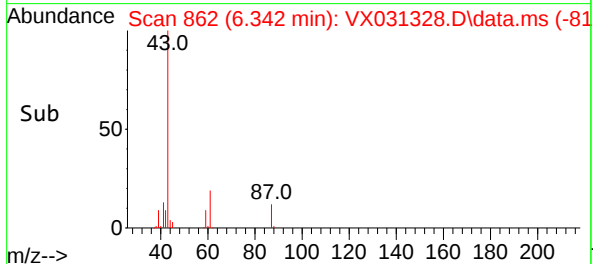
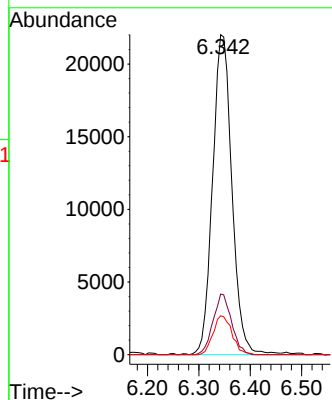
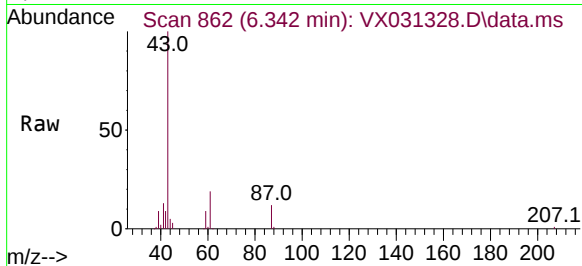




#43
Isopropyl Acetate
Concen: 15.846 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

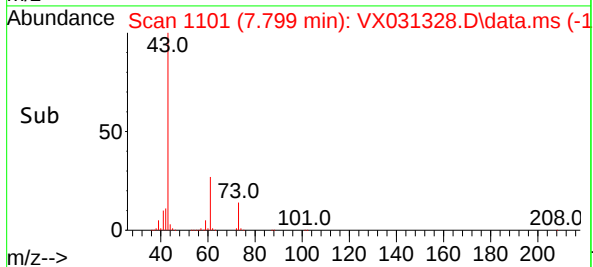
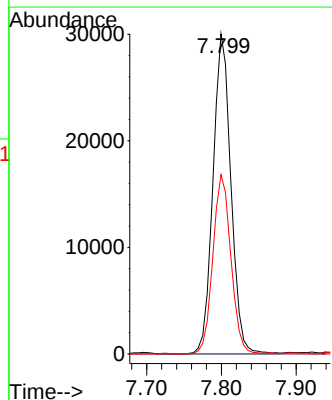
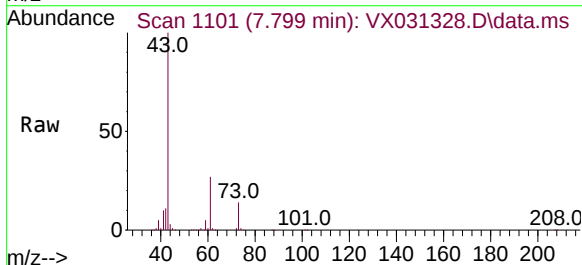
Instrument :
MSVOA_X
ClientSampleId :

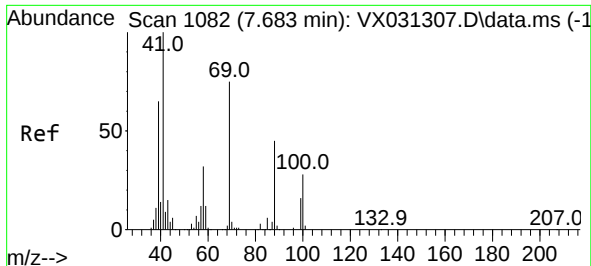
Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.3	22.9
87	11.9	10.6	15.8



#48
Methyl methacrylate
Concen: 30.310 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	56.2	51.4	77.0





#49

1,4-Dioxane

Concen: 0.574 ug/l

RT: 7.787 min Scan# 1082

Delta R.T. 0.104 min

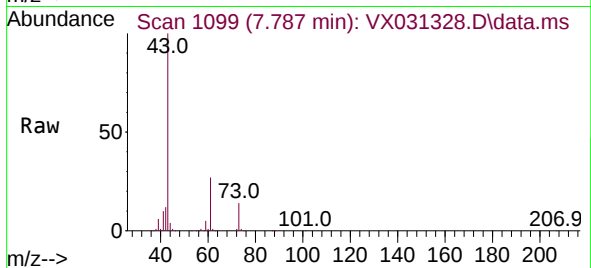
Lab File: VX031328.D

Acq: 15 Sep 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :



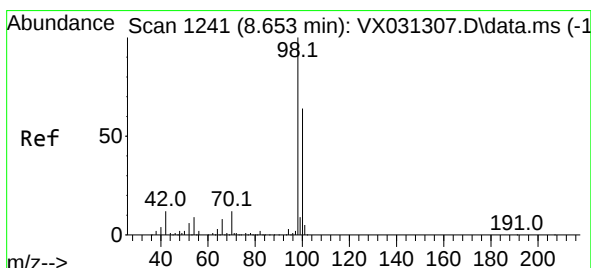
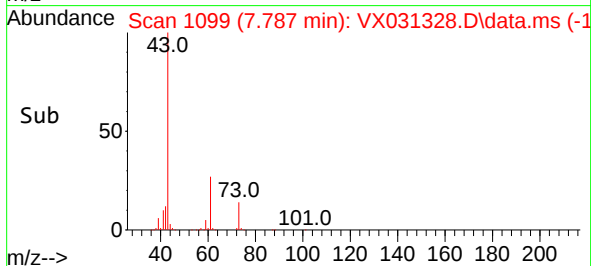
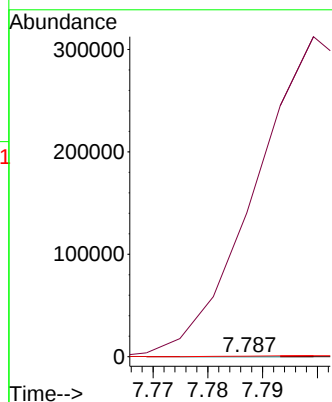
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 2719778.9 27.1 40.7#

58 9484.2 53.9 80.9#



#50

Toluene-d8

Concen: 40.722 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031328.D

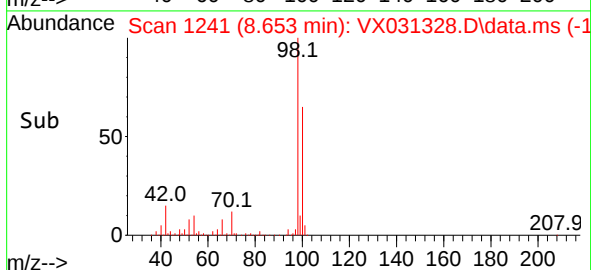
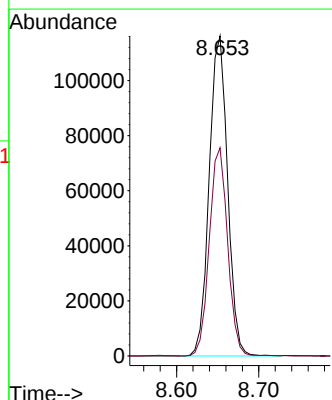
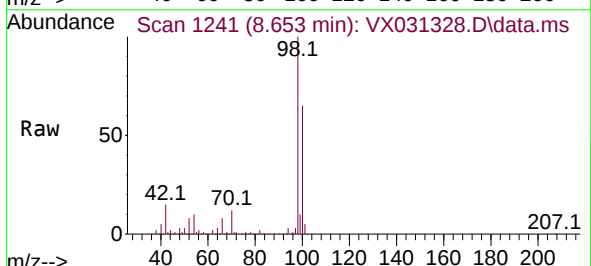
Acq: 15 Sep 2022 00:09

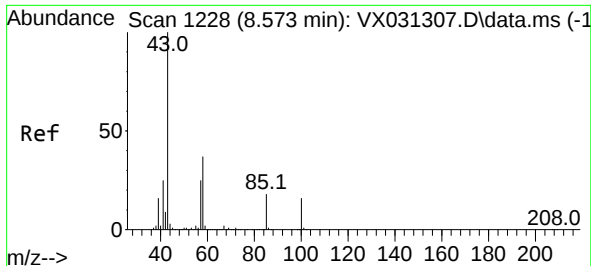
Tgt Ion: 98 Resp: 180392

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

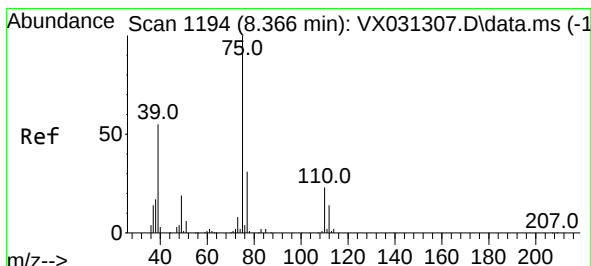
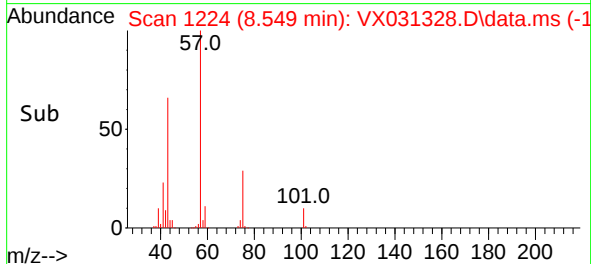
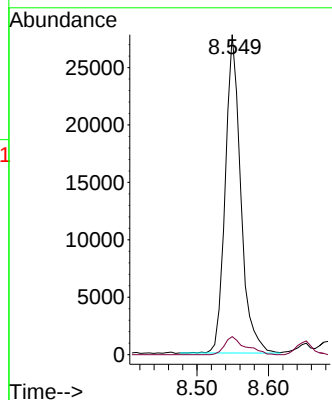
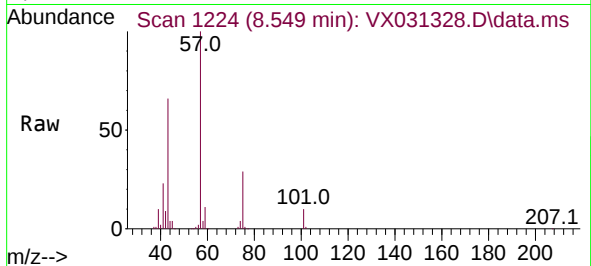




#51
4-Methyl-2-Pentanone
Concen: 18.948 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. -0.024 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

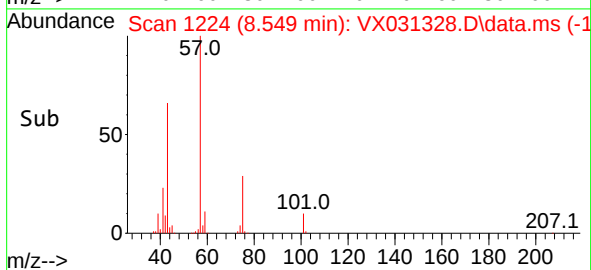
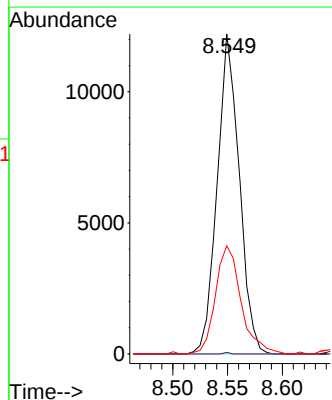
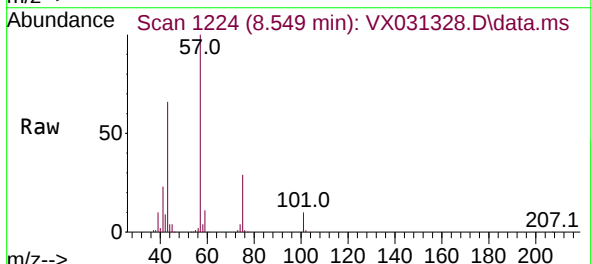
Instrument :
MSVOA_X
ClientSampleId :

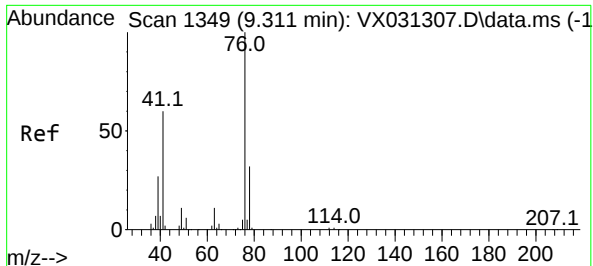
Tgt Ion: 43 Resp: 41759
Ion Ratio Lower Upper
43 100
58 7.5 30.6 46.0#



#54
cis-1,3-Dichloropropene
Concen: 7.893 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

Tgt Ion: 75 Resp: 17109
Ion Ratio Lower Upper
75 100
77 0.5 24.4 36.6#
39 33.8 43.7 65.5#





#57

1,3-Dichloropropane

Concen: 0.946 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031328.D

Acq: 15 Sep 2022 00:09

Instrument :

MSVOA_X

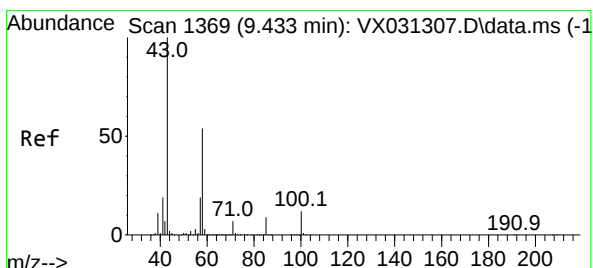
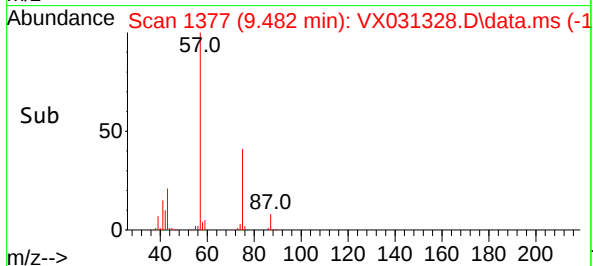
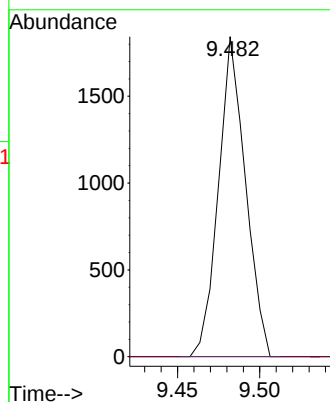
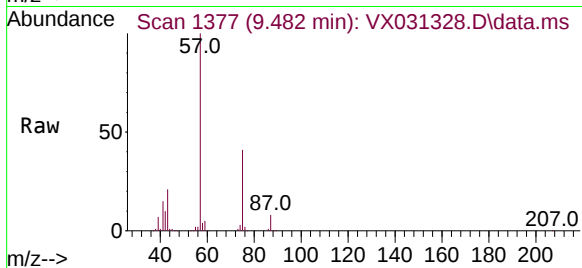
ClientSampleId :

Tgt Ion: 76 Resp: 2107

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 18.741 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031328.D

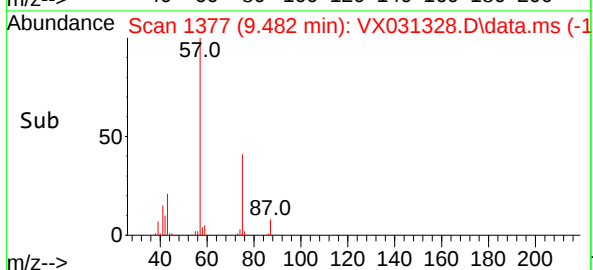
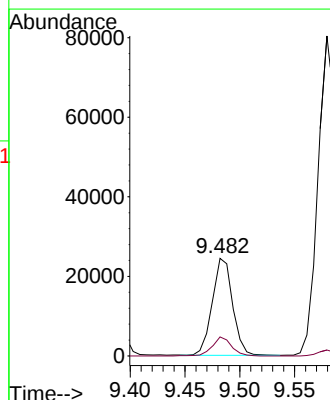
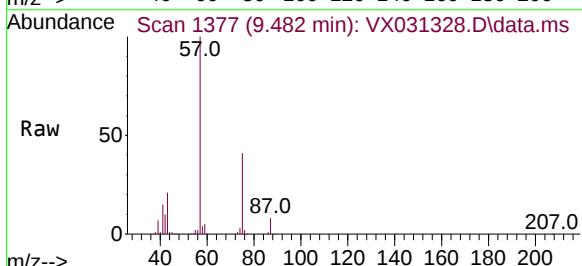
Acq: 15 Sep 2022 00:09

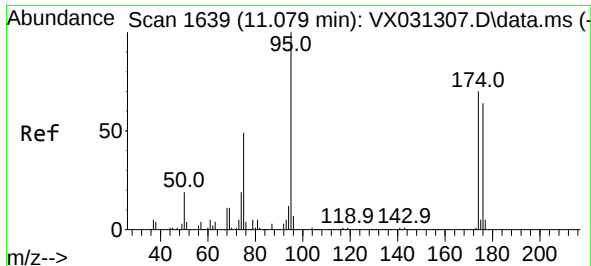
Tgt Ion: 43 Resp: 31524

Ion Ratio Lower Upper

43 100

58 18.7 26.7 80.0#

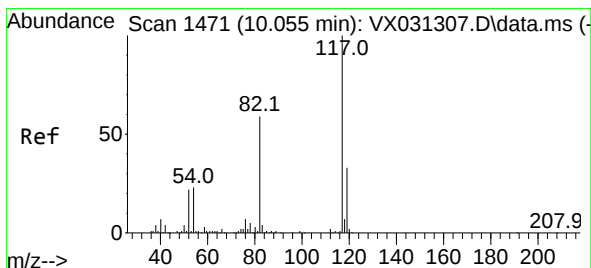
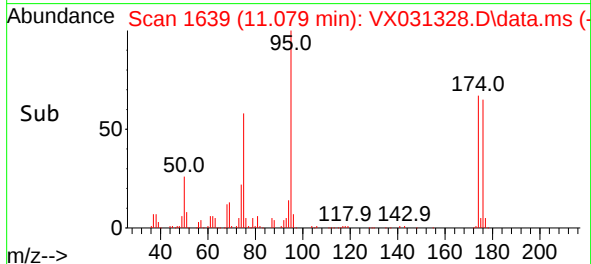
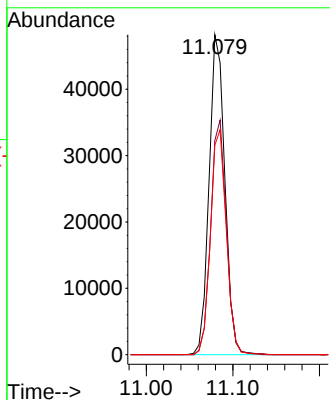
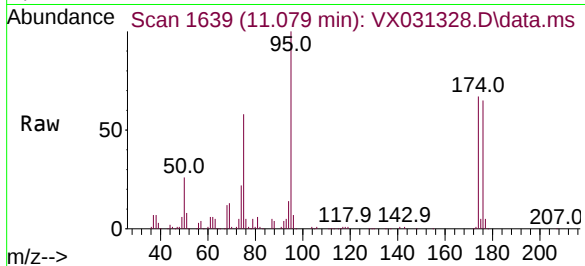




#62
4-Bromofluorobenzene
Concen: 37.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

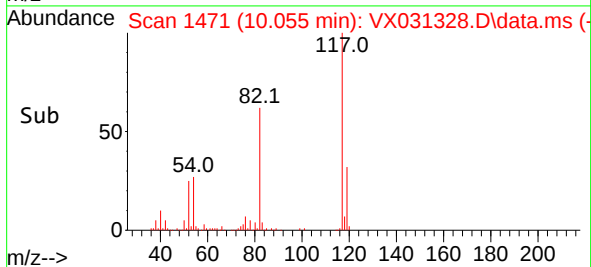
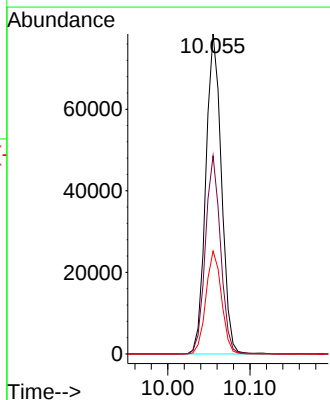
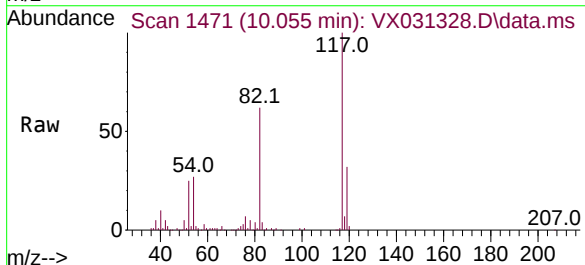
Instrument :
MSVOA_X
ClientSampleId :

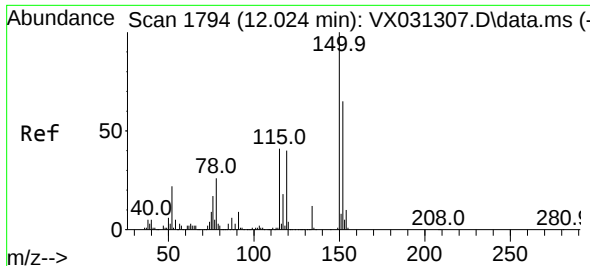
Tgt Ion: 95 Resp: 60983
Ion Ratio Lower Upper
95 100
174 72.7 0.0 153.2
176 70.6 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031328.D
Acq: 15 Sep 2022 00:09

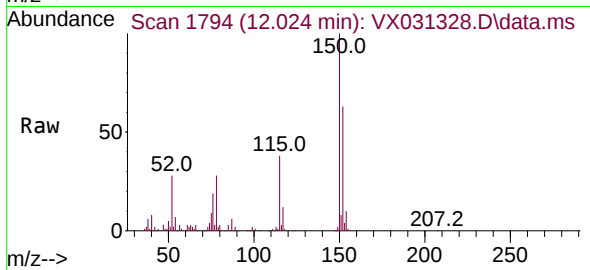
Tgt Ion: 117 Resp: 103600
Ion Ratio Lower Upper
117 100
82 61.9 46.8 70.2
119 32.2 26.4 39.6



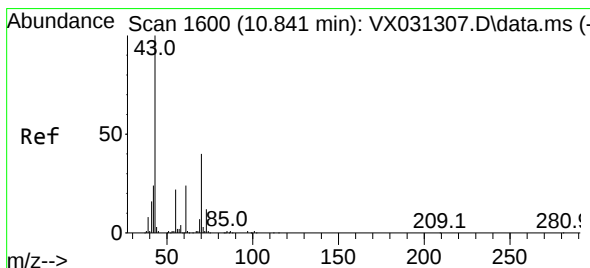
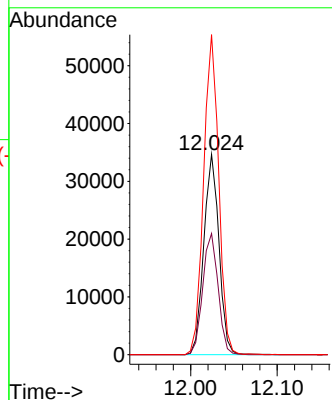
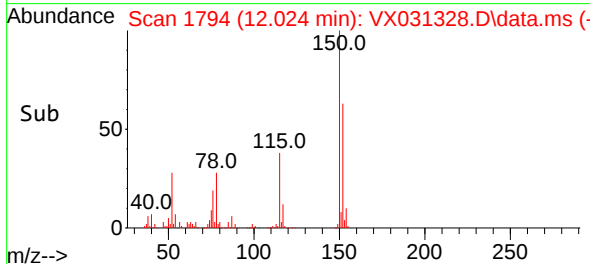


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031328.D
 Acq: 15 Sep 2022 00:09

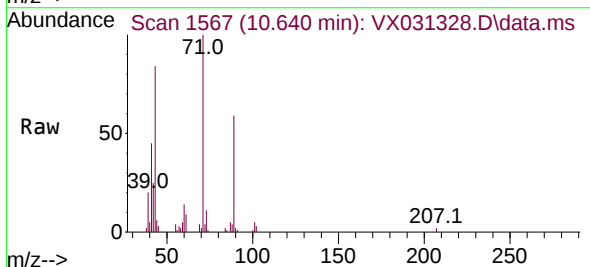
Instrument :
 MSVOA_X
 ClientSampleId :



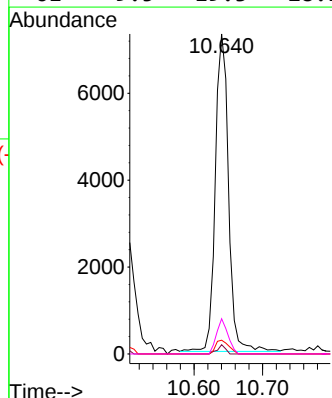
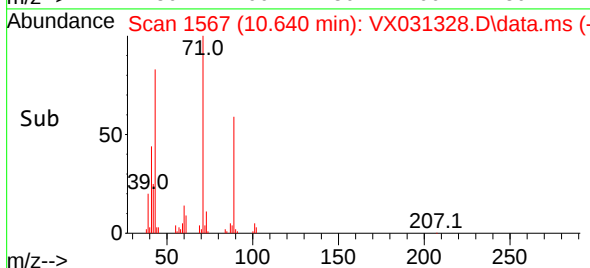
Tgt Ion:152 Resp: 42101
 Ion Ratio Lower Upper
 152 100
 115 61.3 43.4 130.1
 150 159.0 0.0 346.8

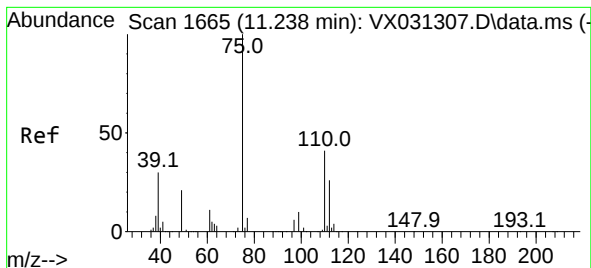


#74
 N-ethyl acetate
 Concen: 6.357 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX031328.D
 Acq: 15 Sep 2022 00:09



Tgt Ion: 43 Resp: 9828
 Ion Ratio Lower Upper
 43 100
 70 1.8 33.4 50.2#
 55 4.3 18.2 27.2#
 61 9.5 19.3 28.9#





#76

1,2,3-Trichloropropane

Concen: 34.203 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX031328.D

Acq: 15 Sep 2022 00:09

Instrument :

MSVOA_X

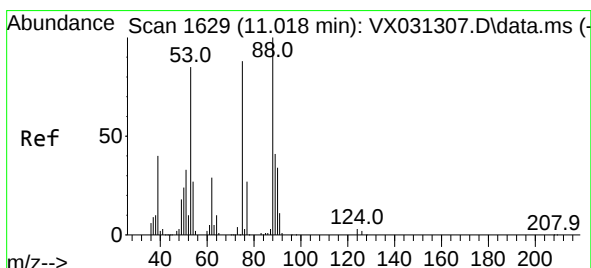
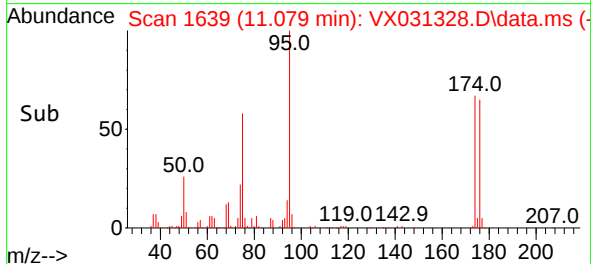
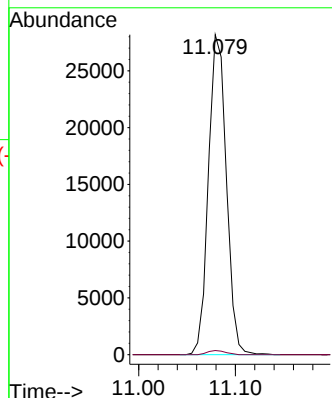
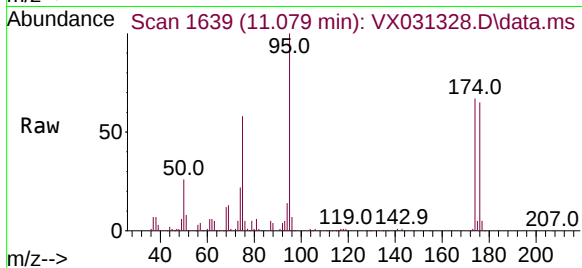
ClientSampleId :

Tgt Ion: 75 Resp: 36288

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.641 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031328.D

Acq: 15 Sep 2022 00:09

Tgt Ion: 75 Resp: 36288

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.4 56.0#

