

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031852.D
 Acq On : 03 Oct 2022 22:30
 Operator : JC/MD
 Sample : PB148021ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

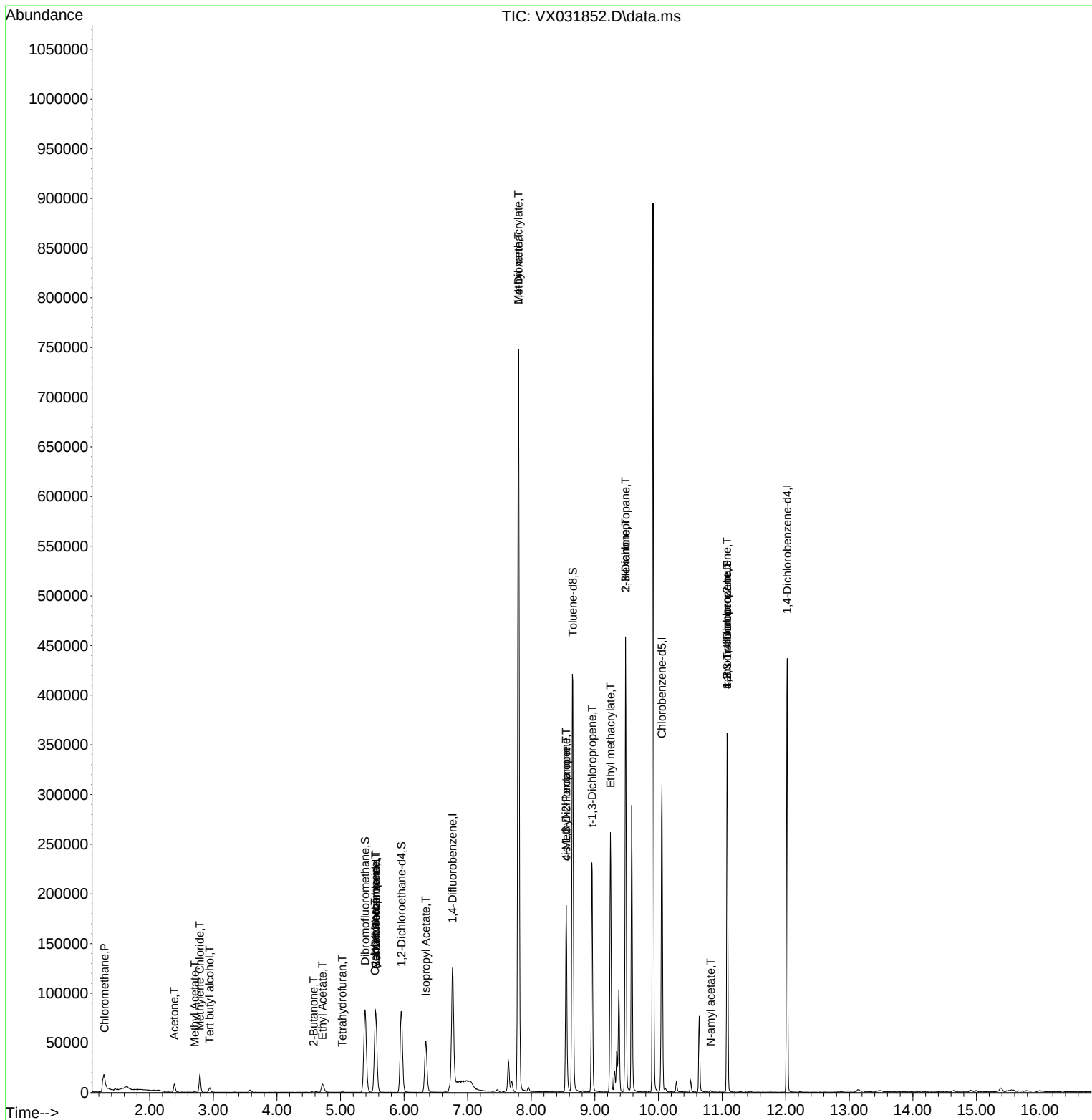
Quant Time: Oct 04 08:02:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

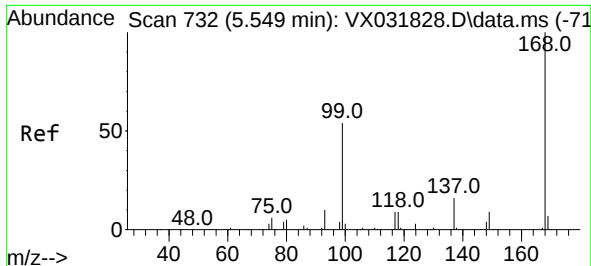
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	81154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128851	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77511	53.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.620%			
35) Dibromofluoromethane	5.385	113	72627	47.441	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.880%			
50) Toluene-d8	8.653	98	266066	48.583	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.160%			
62) 4-Bromofluorobenzene	11.079	95	94248	47.790	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.580%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	875	0.796	ug/l #	41
5) Bromomethane	1.618	94	461	Below Cal	#	73
6) Chloroethane	1.758	64	208	Below Cal		99
11) Tert butyl alcohol	2.941	59	2469	12.197	ug/l #	73
16) Acetone	2.386	43	9878	12.839	ug/l	89
17) Carbon Disulfide	2.514	76	312	Below Cal	#	75
18) Methyl Acetate	2.709	43	911	0.670	ug/l	96
20) Methylene Chloride	2.788	84	8259	6.493	ug/l #	83
25) 2-Butanone	4.574	43	1500	2.248	ug/l #	48
29) Tetrahydrofuran	5.026	42	380	0.923	ug/l #	48
31) Cyclohexane	5.544	56	1577	0.911	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	5775	3.042	ug/l #	49
37) Ethyl Acetate	4.715	43	14390	10.015	ug/l #	94
38) Carbon Tetrachloride	5.556	117	8455	3.588	ug/l #	16
43) Isopropyl Acetate	6.342	43	66206	28.497	ug/l #	91
48) Methyl methacrylate	7.799	41	60721	58.406	ug/l #	44
49) 1,4-Dioxane	7.799	88	156	4.630	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56815	38.958	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	667	0.326	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	32728	14.615	ug/l #	54
56) Ethyl methacrylate	9.244	69	605	0.341	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4614	1.939	ug/l #	43
59) 2-Hexanone	9.482	43	44939	42.387	ug/l #	56
74) N-amyl acetate	10.823	43	558	0.352	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	45956	26.361	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	45956	90.495	ug/l #	11

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

Quant Time: Oct 04 08:02:31 2022
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Quant Title : SW846 8260
QLast Update : Tue Oct 04 06:59:30 2022
Response via : Initial Calibration

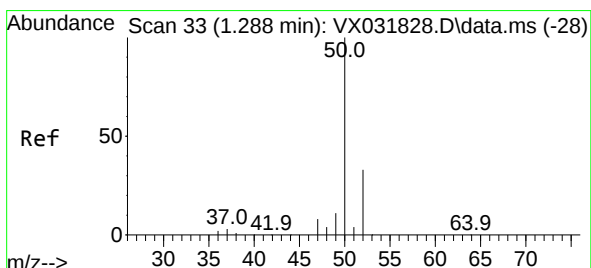
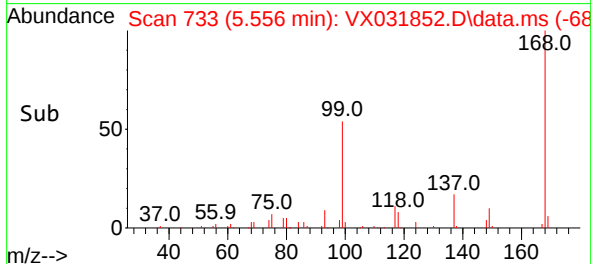
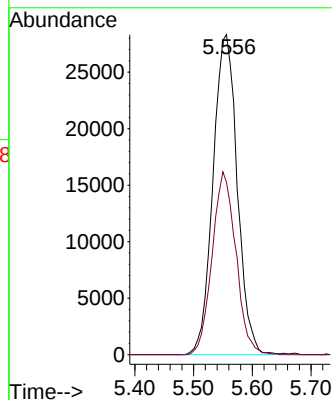
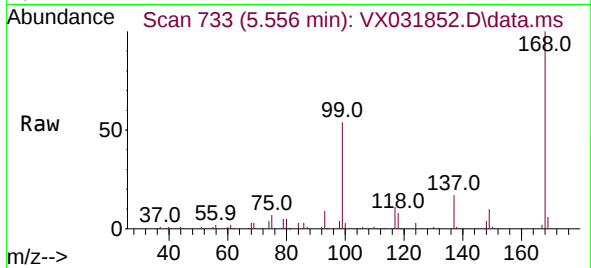




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

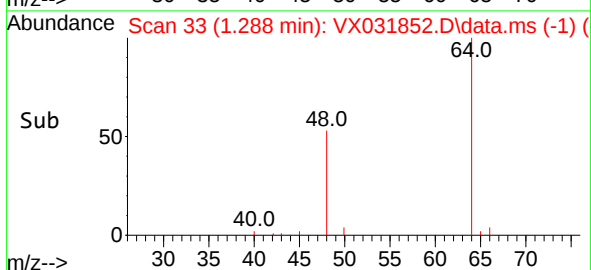
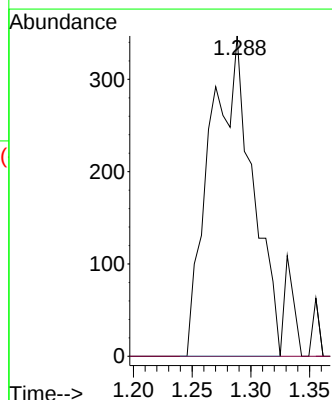
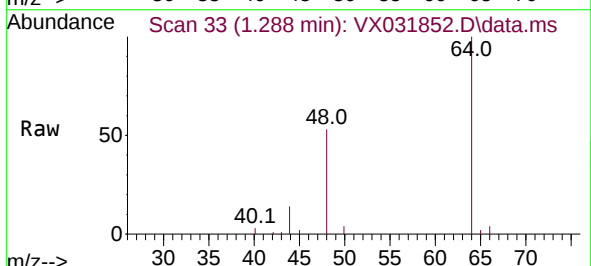
Instrument :
MSVOA_X
ClientSampleId :

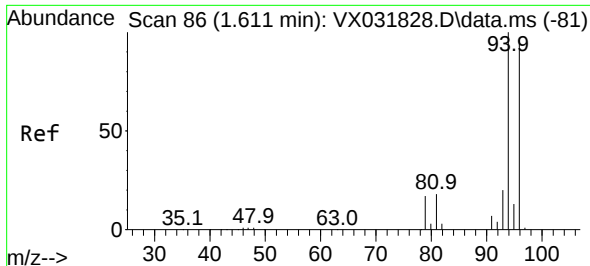
Tgt Ion:168 Resp: 81154
Ion Ratio Lower Upper
168 100
99 53.9 48.8 73.2



#3
Chloromethane
Concen: 0.796 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

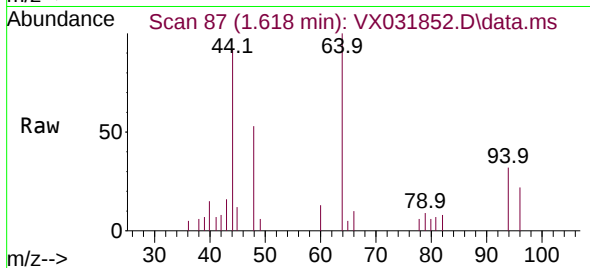
Tgt Ion: 50 Resp: 875
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3



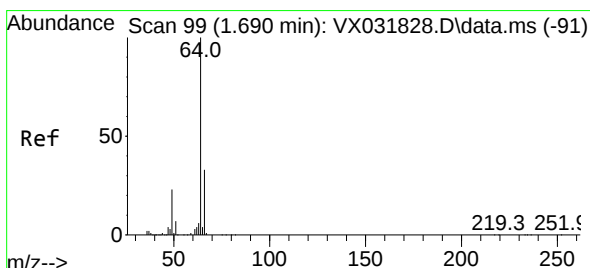
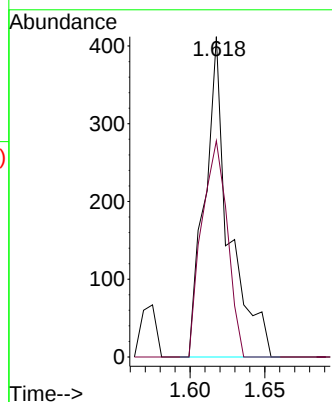
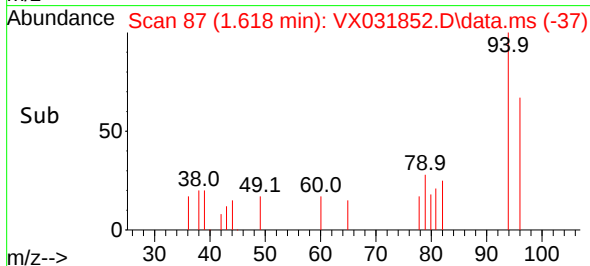


#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Instrument :
MSVOA_X
ClientSampleId :

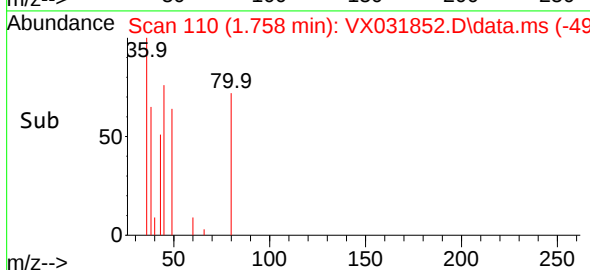
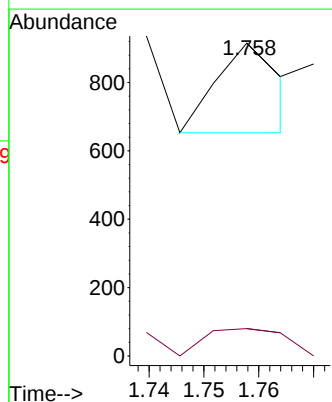
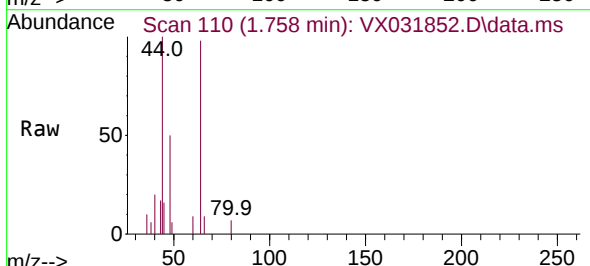


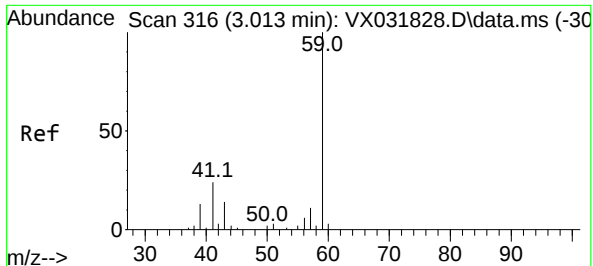
Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 67.5 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.758 min Scan# 110
Delta R.T. 0.073 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Tgt Ion: 64 Resp: 208
Ion Ratio Lower Upper
64 100
66 30.5 25.0 37.4





#11

Tert butyl alcohol

Concen: 12.197 ug/l

RT: 2.941 min Scan# 30

Delta R.T. -0.140 min

Lab File: VX031852.D

Acq: 03 Oct 2022 22:30

Instrument :

MSVOA_X

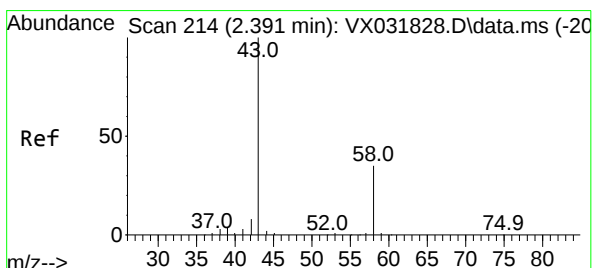
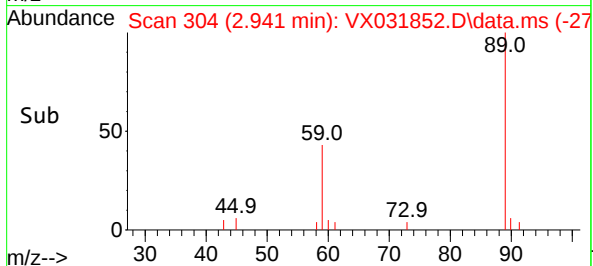
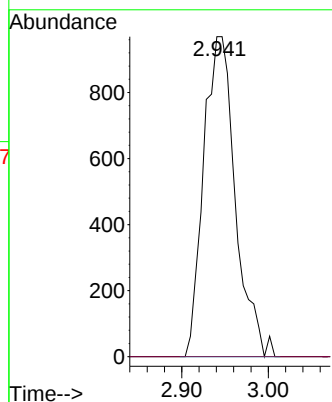
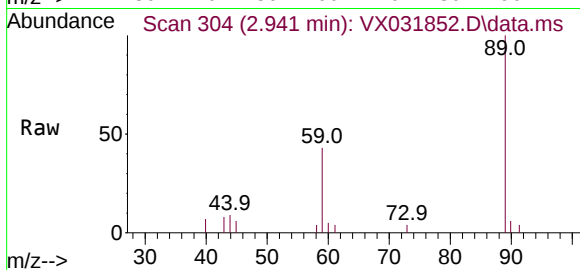
ClientSampleId :

Tgt Ion: 59 Resp: 2469

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 12.839 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX031852.D

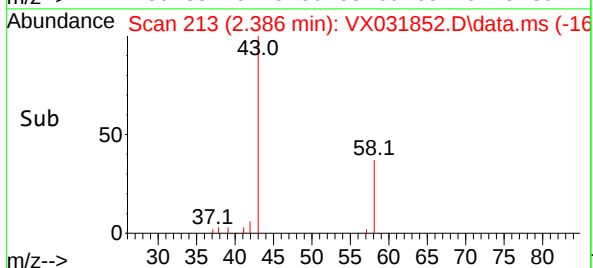
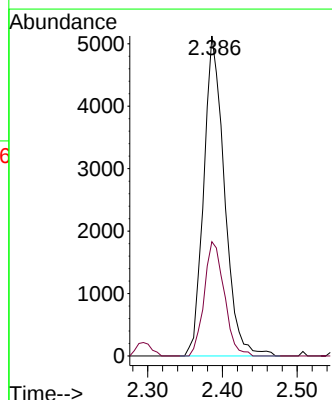
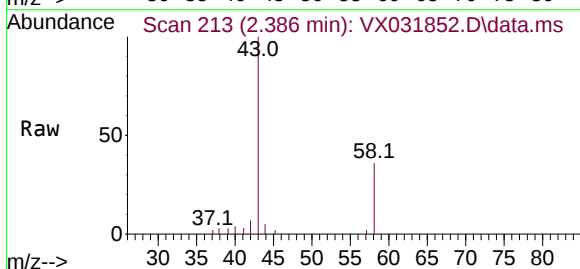
Acq: 03 Oct 2022 22:30

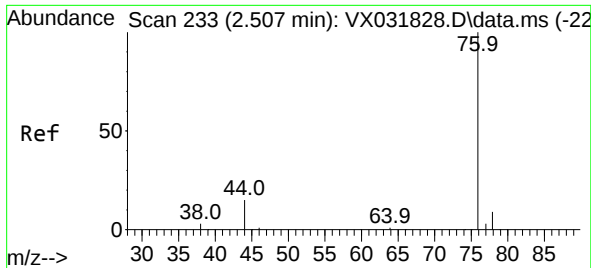
Tgt Ion: 43 Resp: 9878

Ion Ratio Lower Upper

43 100

58 35.7 23.8 35.8

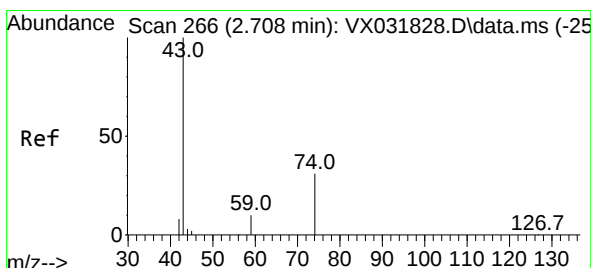
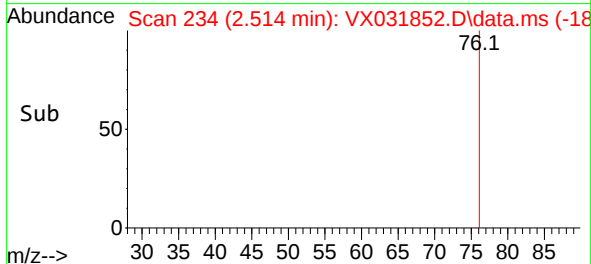
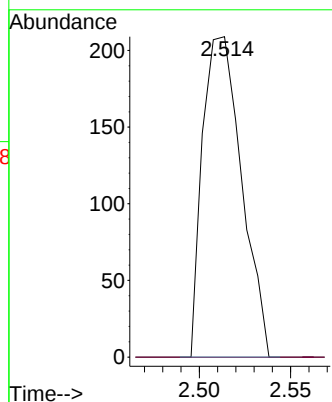
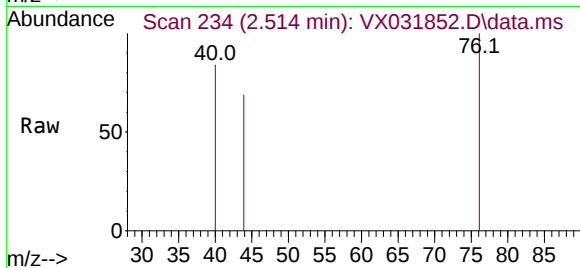




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

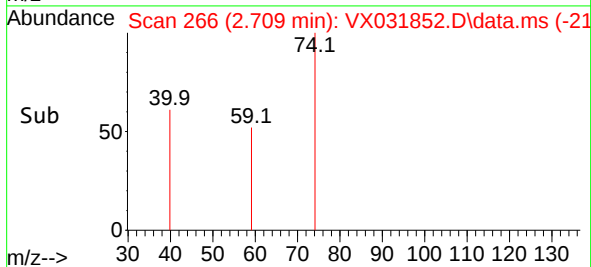
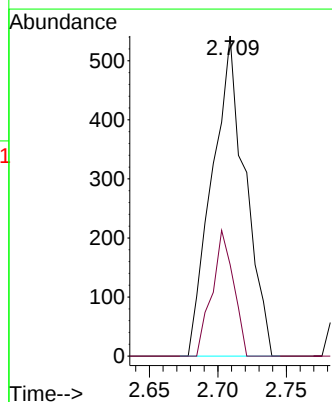
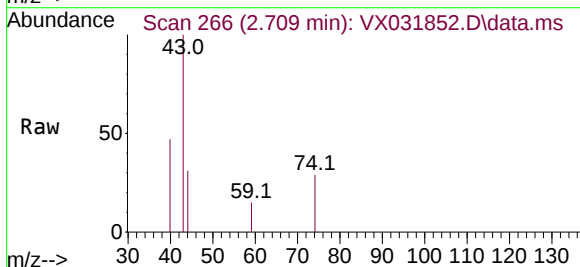
Instrument :
MSVOA_X
ClientSampleId :

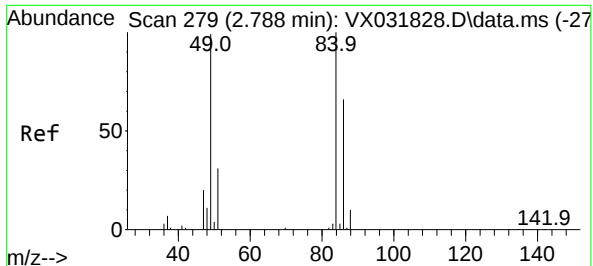
Tgt Ion: 76 Resp: 312
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.670 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
74 25.4 18.6 27.8





#20

Methylene Chloride

Concen: 6.493 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

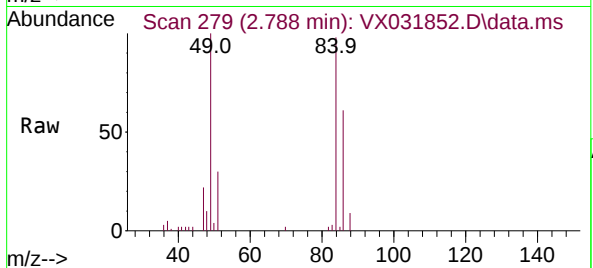
Lab File: VX031852.D

Acq: 03 Oct 2022 22:30

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 8259

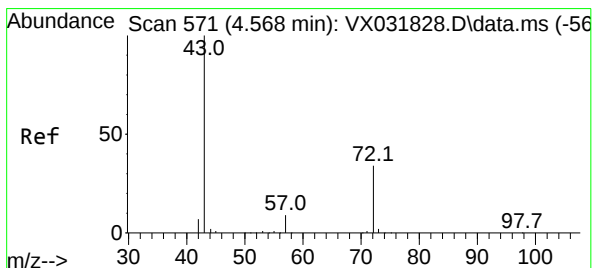
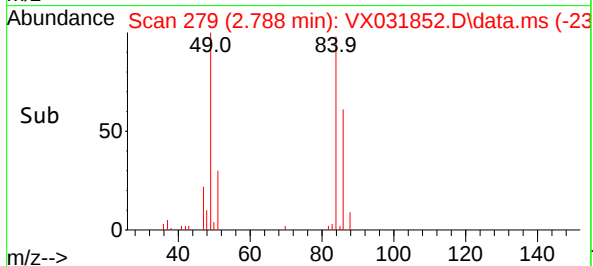
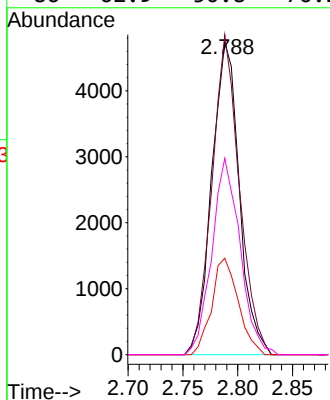
Ion Ratio Lower Upper

84 100

49 102.4 105.9 158.9#

51 30.9 32.2 48.2#

86 62.9 50.8 76.2



#25

2-Butanone

Concen: 2.248 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX031852.D

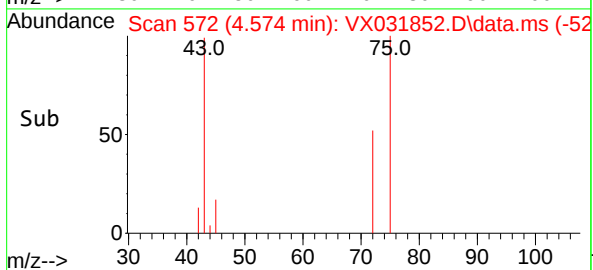
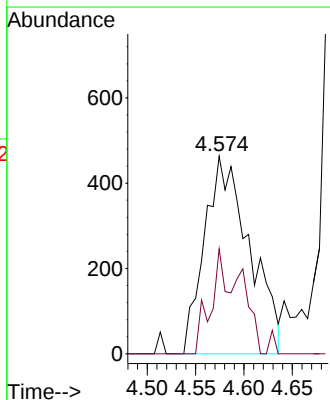
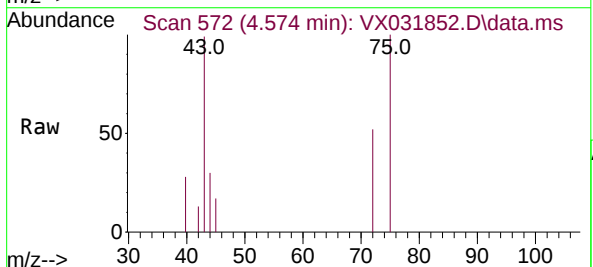
Acq: 03 Oct 2022 22:30

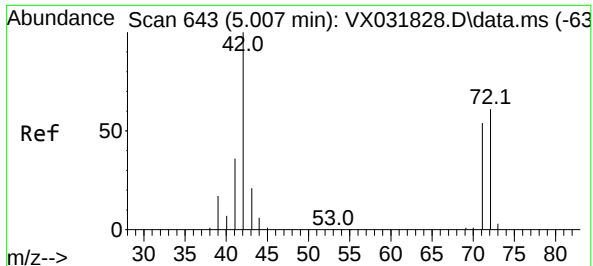
Tgt Ion: 43 Resp: 1500

Ion Ratio Lower Upper

43 100

72 53.1 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.923 ug/l

RT: 5.026 min Scan# 643

Delta R.T. 0.013 min

Lab File: VX031852.D

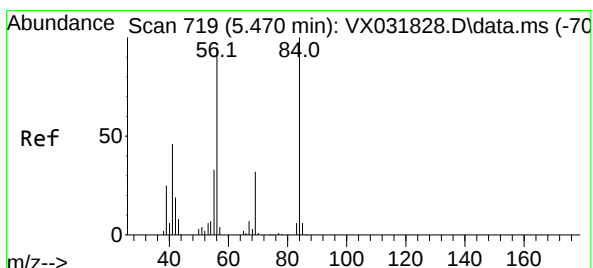
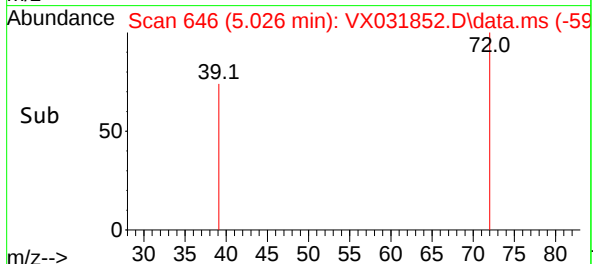
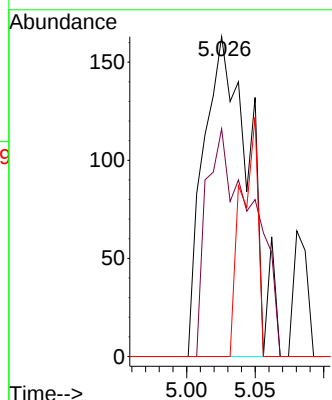
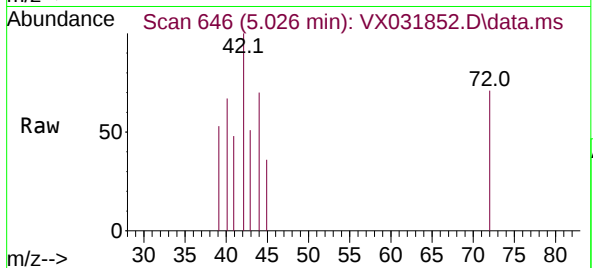
Acq: 03 Oct 2022 22:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	380
Ion	Ratio	Lower	Upper
42	100		
72	71.1	36.4	54.6#
71	0.0	33.5	50.3#



#31

Cyclohexane

Concen: 0.911 ug/l

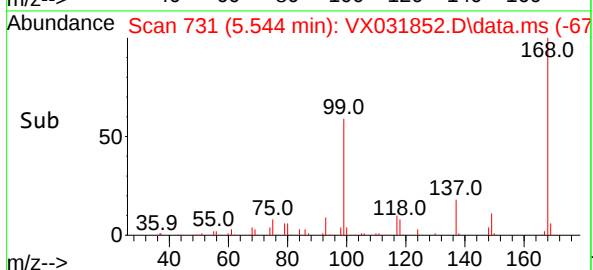
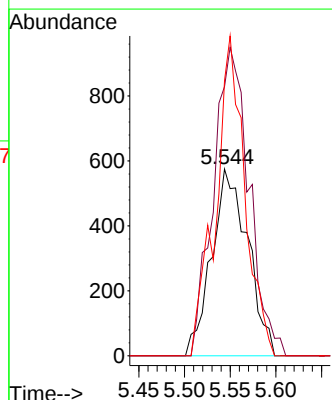
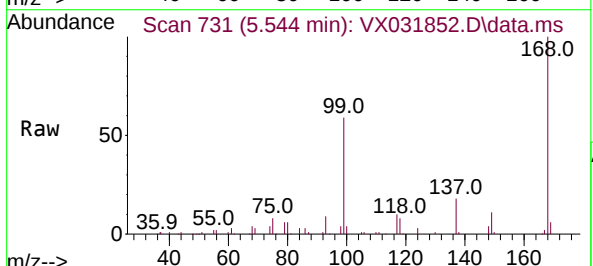
RT: 5.544 min Scan# 731

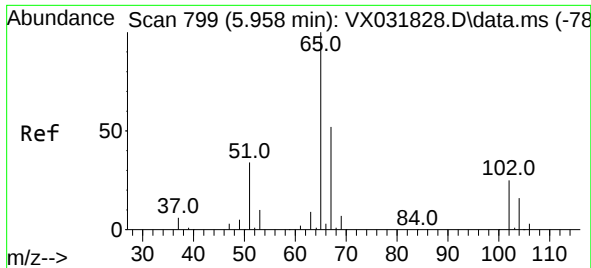
Delta R.T. 0.074 min

Lab File: VX031852.D

Acq: 03 Oct 2022 22:30

Tgt Ion:	56	Resp:	1577
Ion	Ratio	Lower	Upper
56	100		
69	144.2	25.1	37.7#
84	147.3	70.2	105.4#

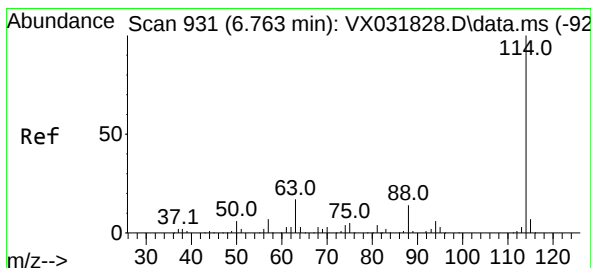
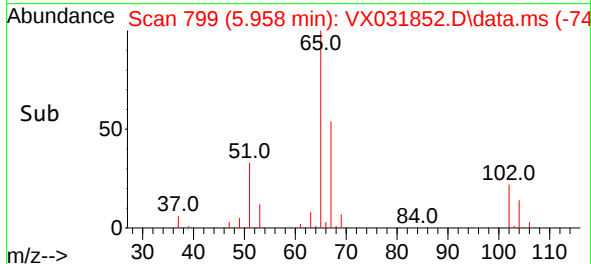
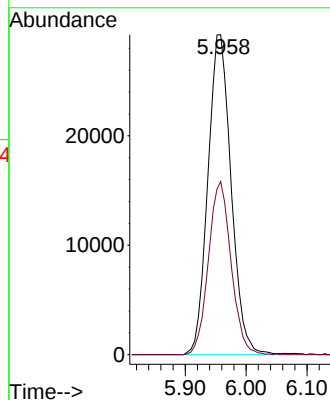
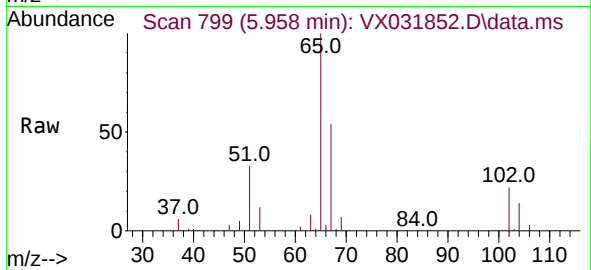




#33
 1,2-Dichloroethane-d4
 Concen: 53.312 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.006 min
 Lab File: VX031852.D
 Acq: 03 Oct 2022 22:30

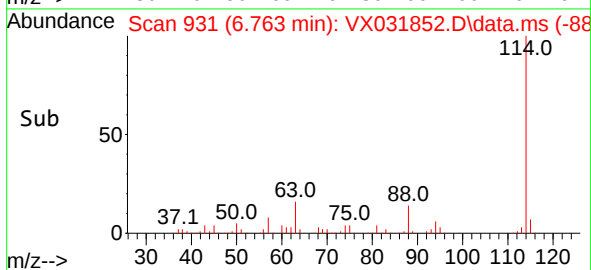
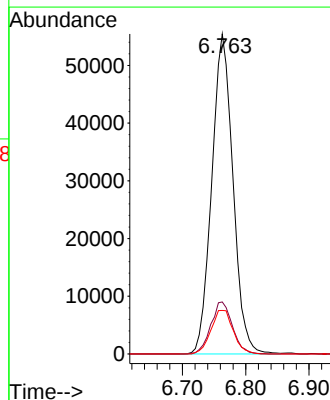
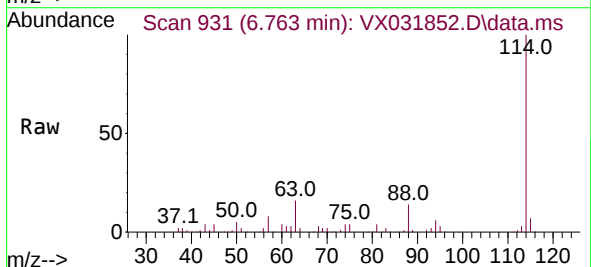
Instrument :
 MSVOA_X
 ClientSampleId :

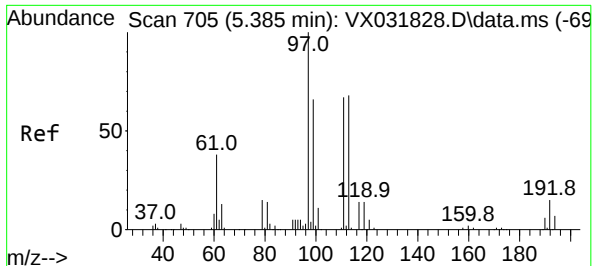
Tgt Ion: 65 Resp: 77511
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031852.D
 Acq: 03 Oct 2022 22:30

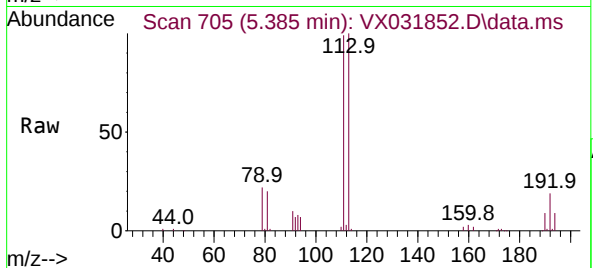
Tgt Ion: 114 Resp: 128851
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 42.6
 88 13.6 0.0 33.0



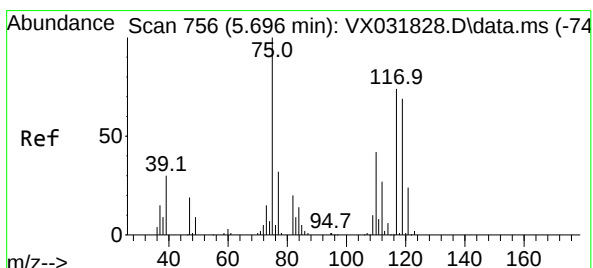
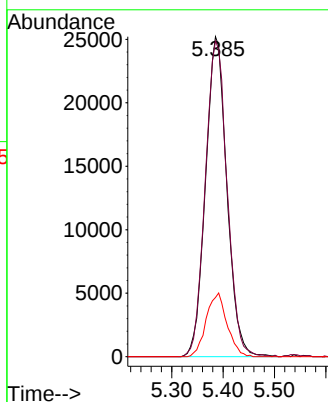
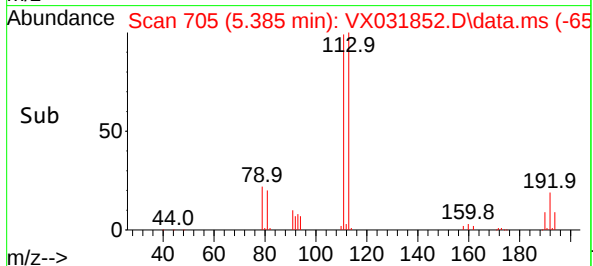


#35
Dibromofluoromethane
Concen: 47.441 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Instrument :
MSVOA_X
ClientSampleId :

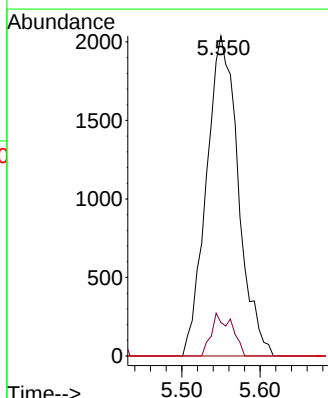
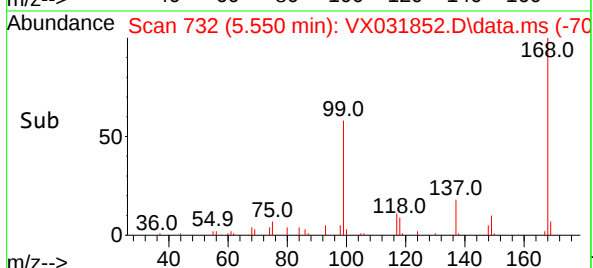
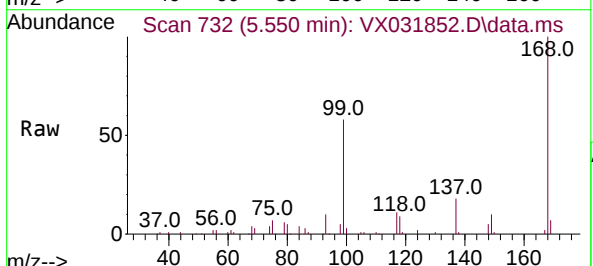


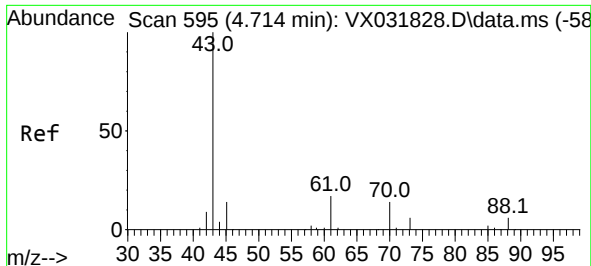
Tgt Ion:113 Resp: 72627
Ion Ratio Lower Upper
113 100
111 101.0 82.4 123.6
192 19.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.042 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Tgt Ion: 75 Resp: 5775
Ion Ratio Lower Upper
75 100
110 8.6 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 10.015 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.001 min

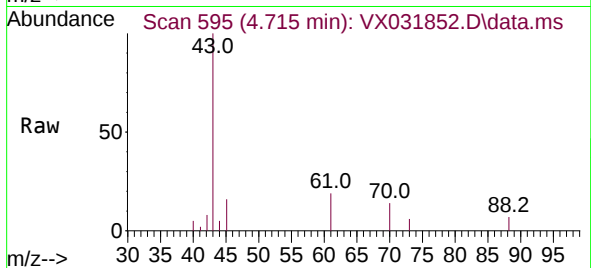
Lab File: VX031852.D

Acq: 03 Oct 2022 22:30

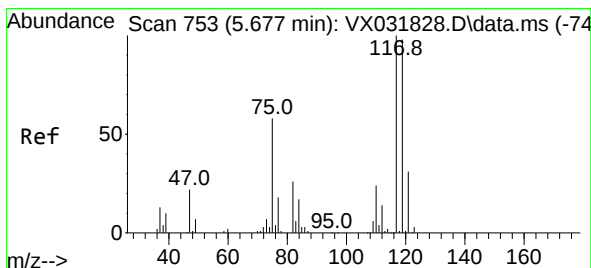
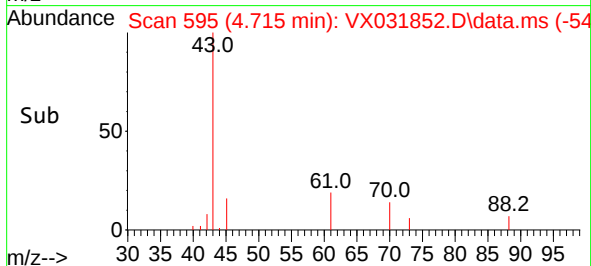
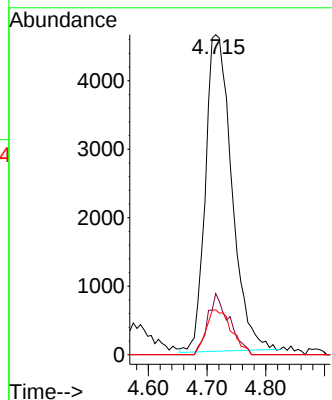
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	14390
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.1	16.7
70	13.7	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.588 ug/l

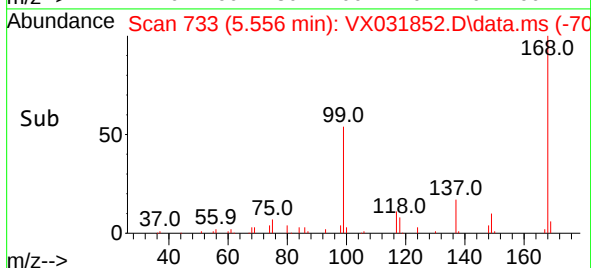
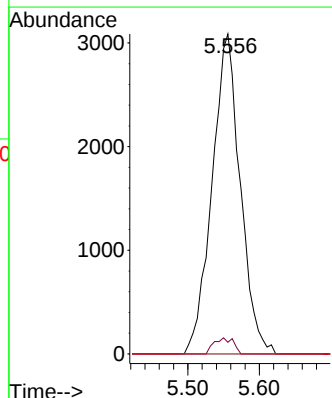
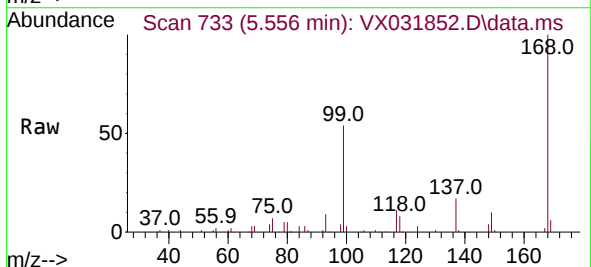
RT: 5.556 min Scan# 733

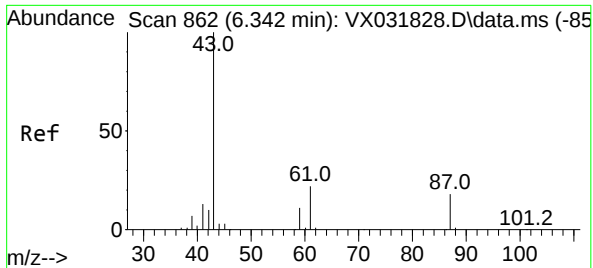
Delta R.T. -0.122 min

Lab File: VX031852.D

Acq: 03 Oct 2022 22:30

Tgt Ion:	117	Resp:	8455
Ion	Ratio	Lower	Upper
117	100		
119	3.6	74.6	112.0
121	0.0	25.3	37.9

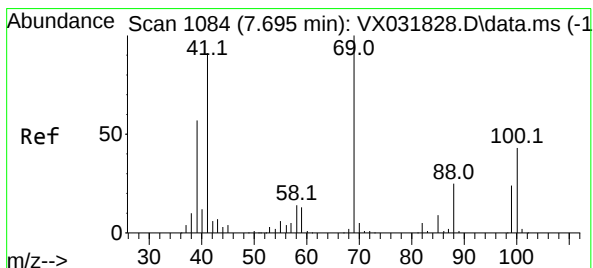
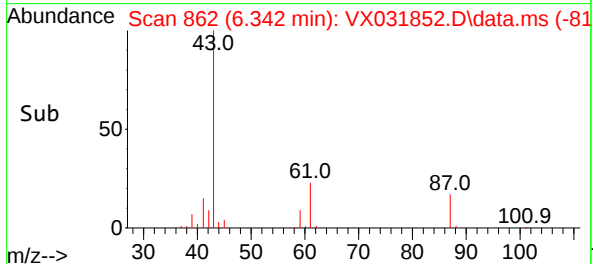
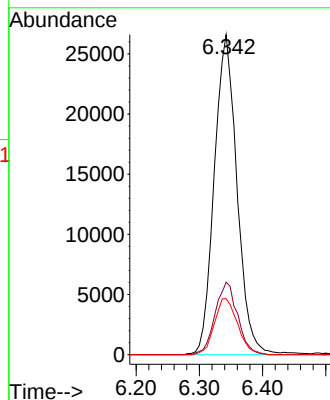
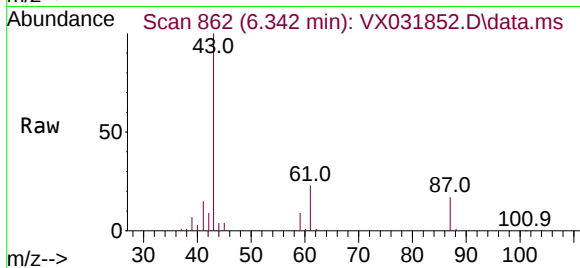




#43
Isopropyl Acetate
Concen: 28.497 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

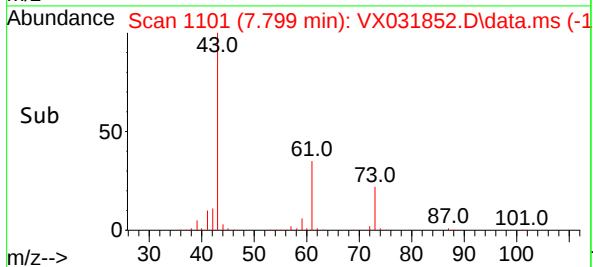
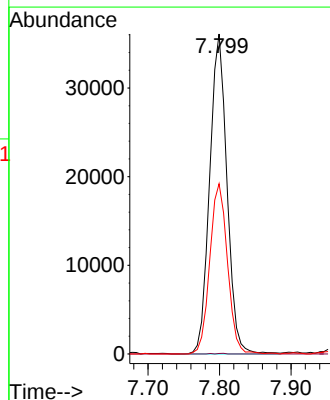
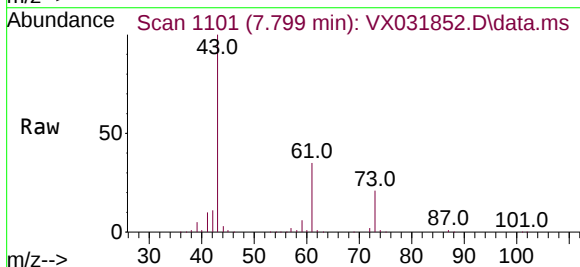
Instrument :
MSVOA_X
ClientSampleId :

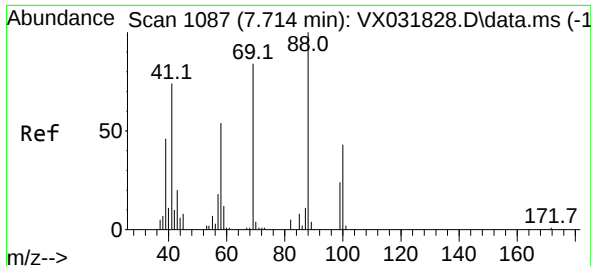
Tgt Ion: 43 Resp: 66206
Ion Ratio Lower Upper
43 100
61 22.3 15.3 22.9
87 17.9 10.6 15.8#



#48
Methyl methacrylate
Concen: 58.406 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Tgt Ion: 41 Resp: 60721
Ion Ratio Lower Upper
41 100
69 0.1 64.6 96.8#
39 54.4 51.4 77.0





#49

1,4-Dioxane

Concen: 4.630 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.085 min

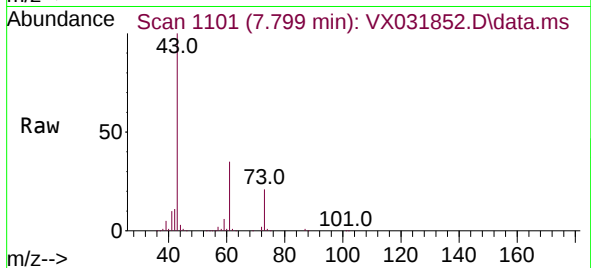
Lab File: VX031852.D

Acq: 03 Oct 2022 22:30

Instrument :

MSVOA_X

ClientSampleId :



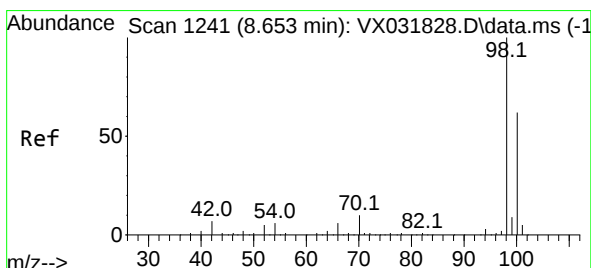
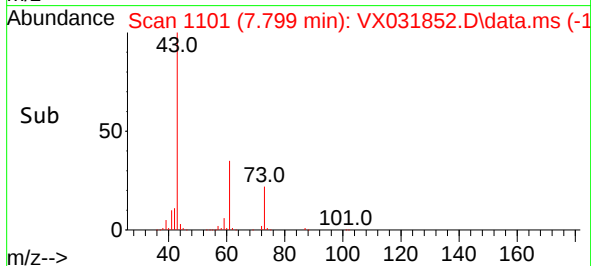
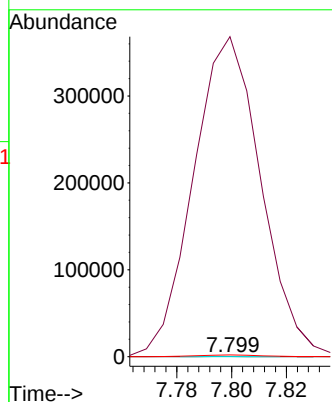
Tgt Ion: 88 Resp: 156

Ion Ratio Lower Upper

88 100

43 407676.9 27.1 40.7#

58 2097.4 53.9 80.9#



#50

Toluene-d8

Concen: 48.583 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031852.D

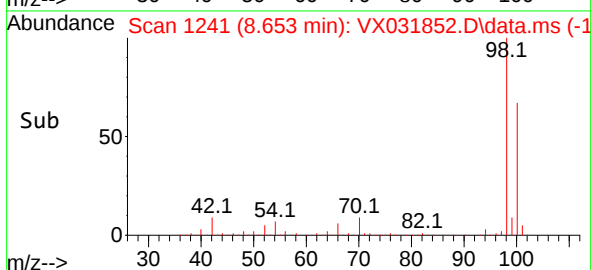
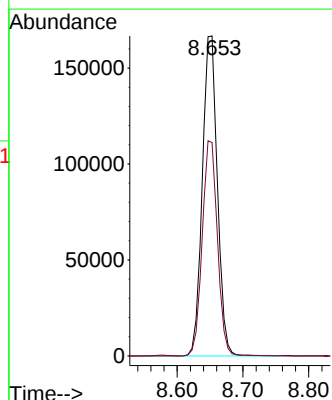
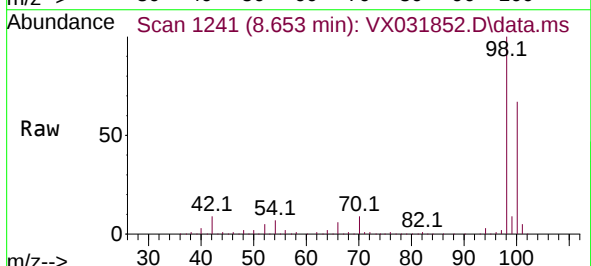
Acq: 03 Oct 2022 22:30

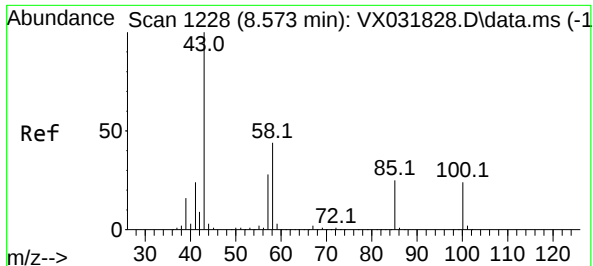
Tgt Ion: 98 Resp: 266066

Ion Ratio Lower Upper

98 100

100 67.8 52.5 78.7

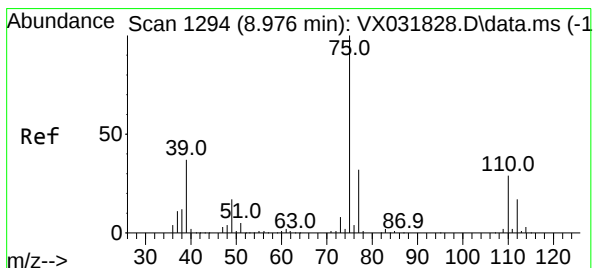
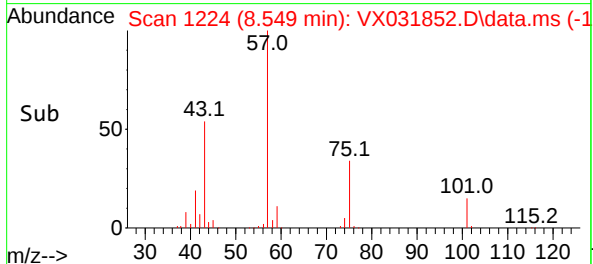
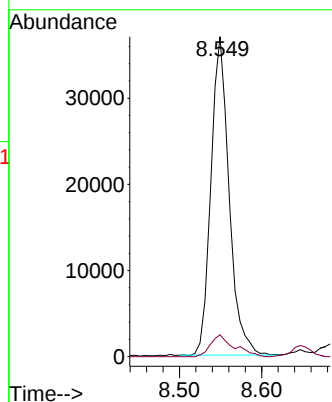
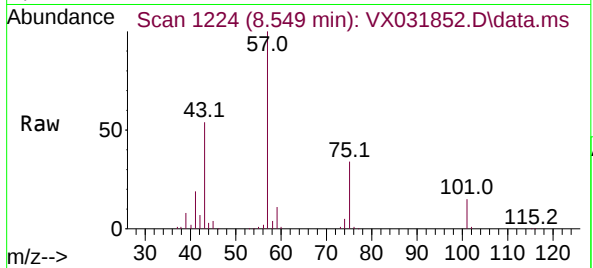




#51
4-Methyl-2-Pentanone
Concen: 38.958 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

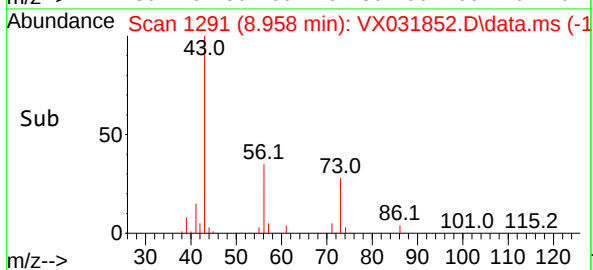
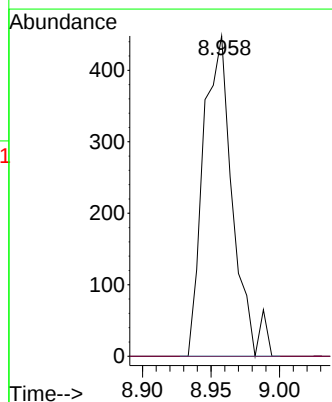
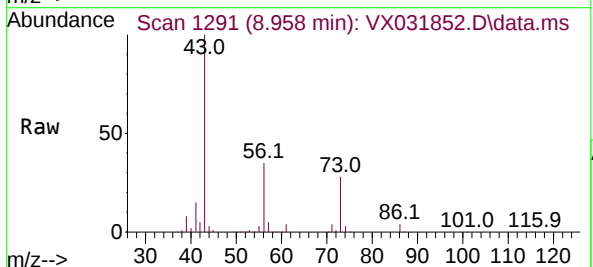
Instrument :
MSVOA_X
ClientSampleId :

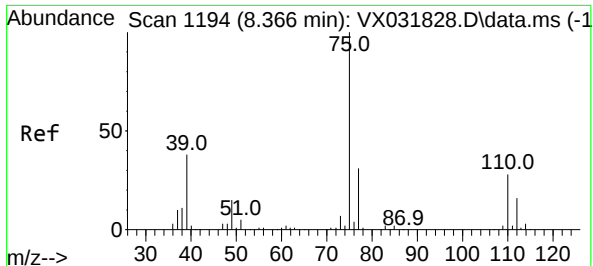
Tgt Ion: 43 Resp: 56815
Ion Ratio Lower Upper
43 100
58 8.8 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.326 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Tgt Ion: 75 Resp: 667
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#

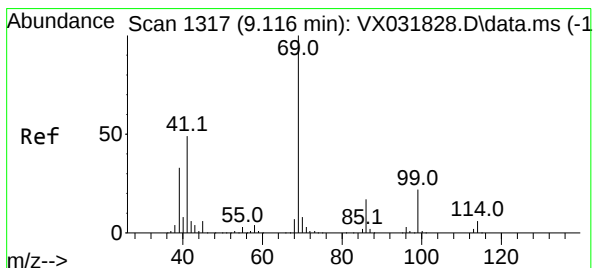
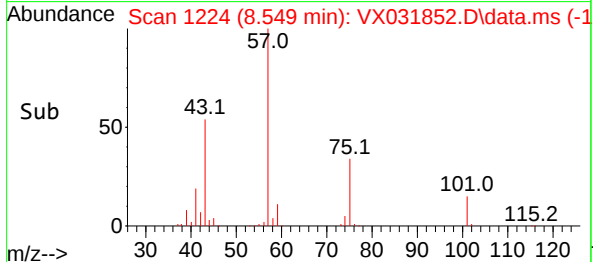
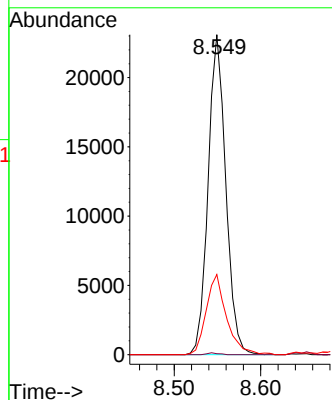
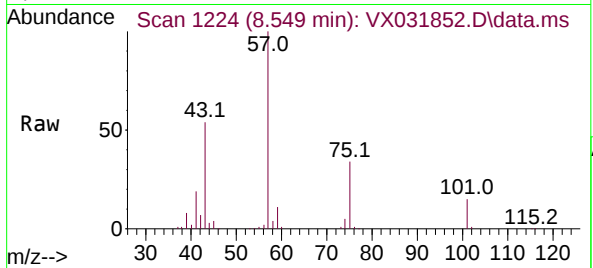




#54
 cis-1,3-Dichloropropene
 Concen: 14.615 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031852.D
 Acq: 03 Oct 2022 22:30

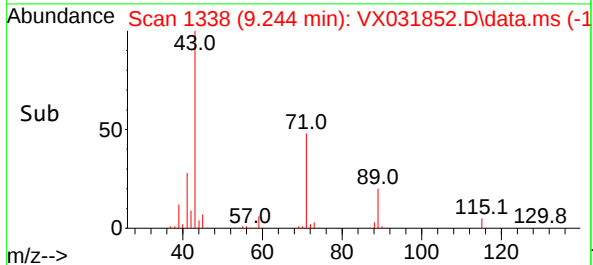
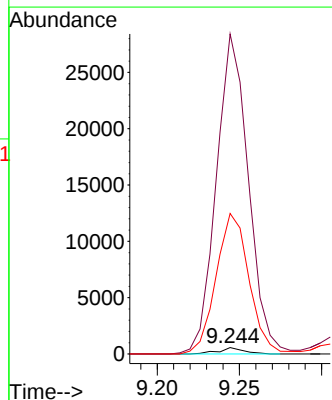
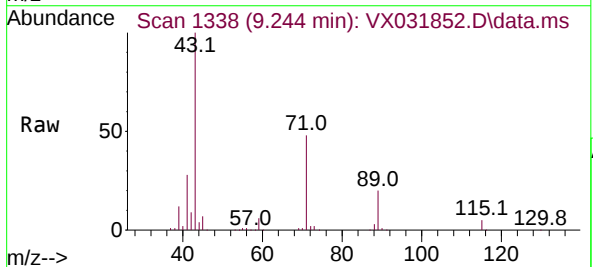
Instrument :
 MSVOA_X
 ClientSampleId :

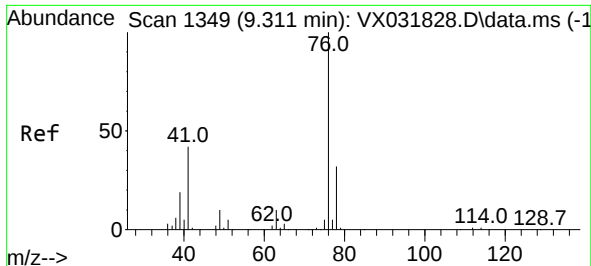
Tgt Ion: 75 Resp: 32728
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.4 36.6#
 39 25.1 43.7 65.5#



#56
 Ethyl methacrylate
 Concen: 0.341 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX031852.D
 Acq: 03 Oct 2022 22:30

Tgt Ion: 69 Resp: 605
 Ion Ratio Lower Upper
 69 100
 41 6375.4 54.2 81.4#
 39 2892.2 34.2 51.2#





#57

1,3-Dichloropropane

Concen: 1.939 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031852.D

Acq: 03 Oct 2022 22:30

Instrument :

MSVOA_X

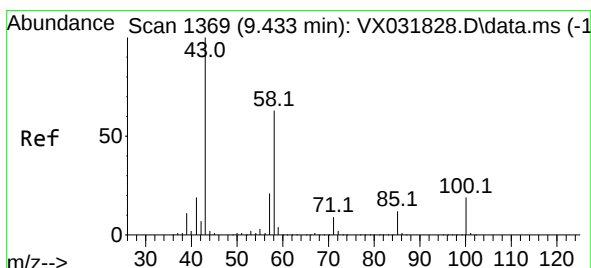
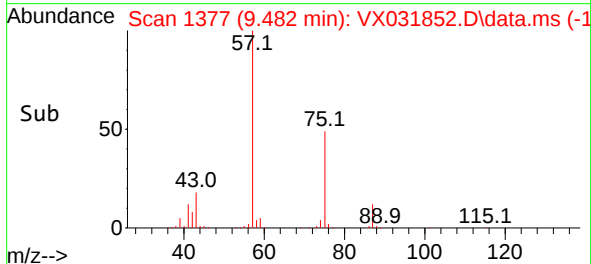
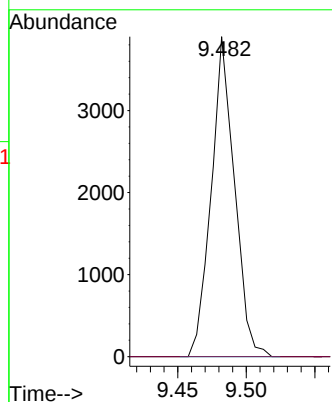
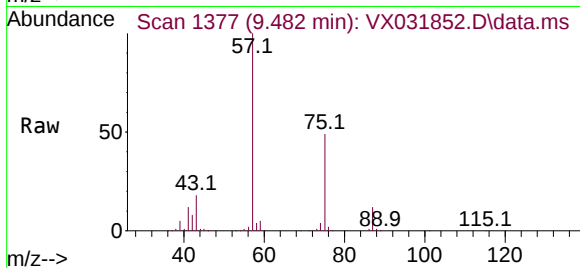
ClientSampleId :

Tgt Ion: 76 Resp: 4614

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 42.387 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031852.D

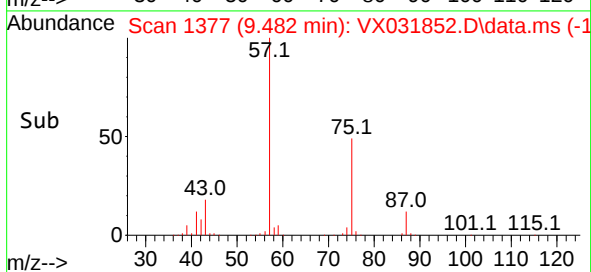
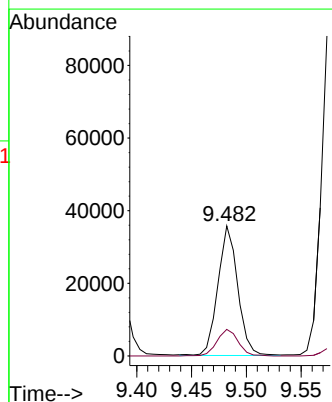
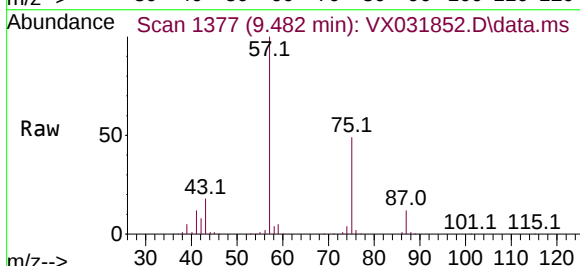
Acq: 03 Oct 2022 22:30

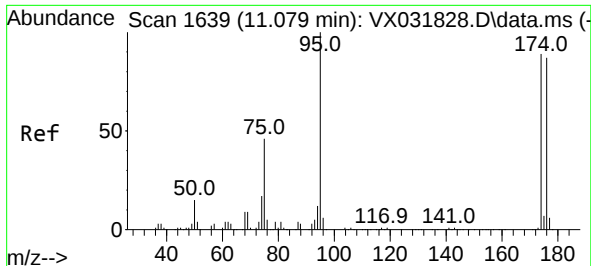
Tgt Ion: 43 Resp: 44939

Ion Ratio Lower Upper

43 100

58 22.0 26.7 80.0#

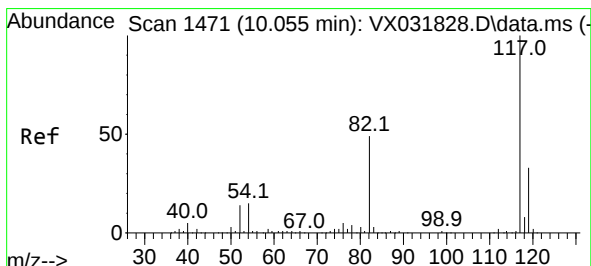
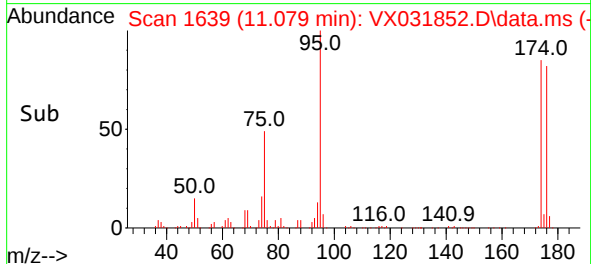
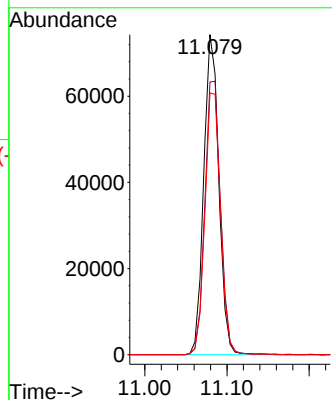
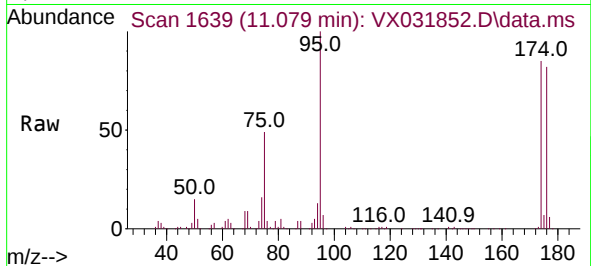




#62
4-Bromofluorobenzene
Concen: 47.790 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

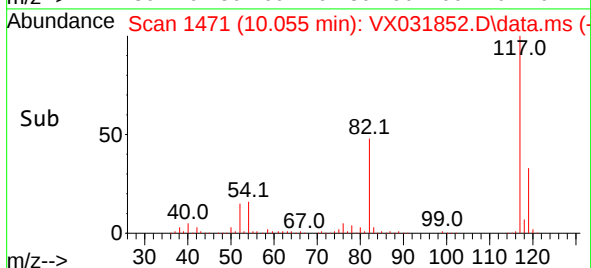
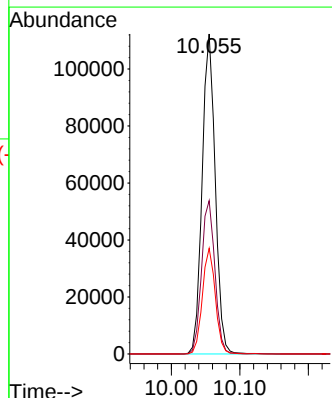
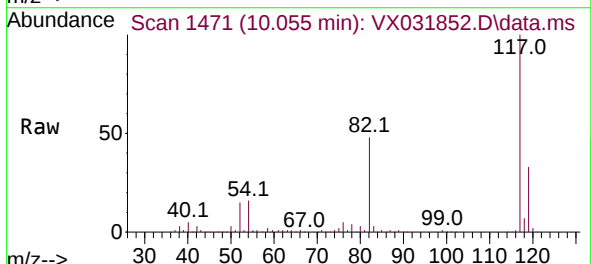
Instrument :
MSVOA_X
ClientSampleId :

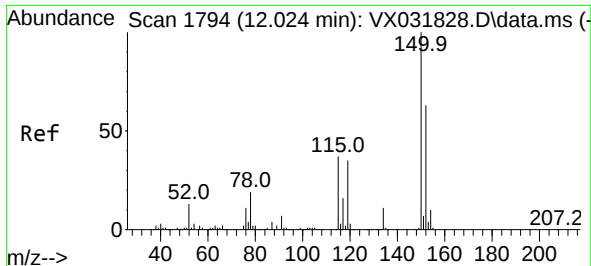
Tgt Ion: 95 Resp: 94248
Ion Ratio Lower Upper
95 100
174 89.6 0.0 153.2
176 85.5 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

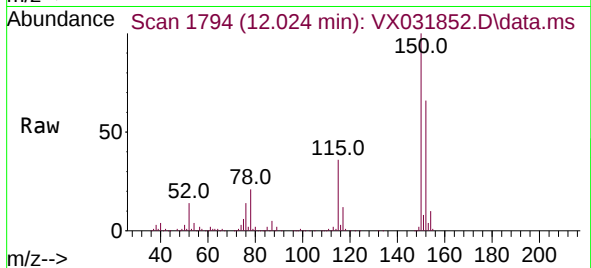
Tgt Ion: 117 Resp: 149558
Ion Ratio Lower Upper
117 100
82 47.9 46.8 70.2
119 33.0 26.4 39.6



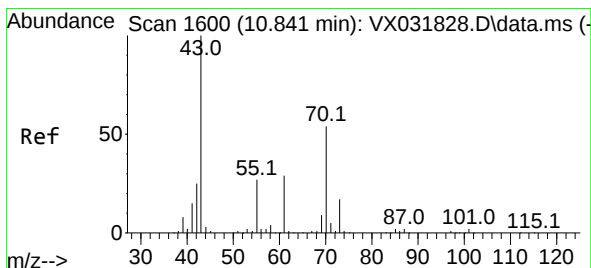
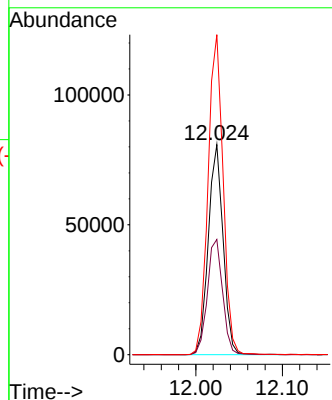
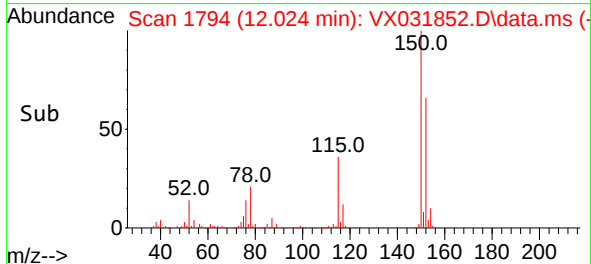


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

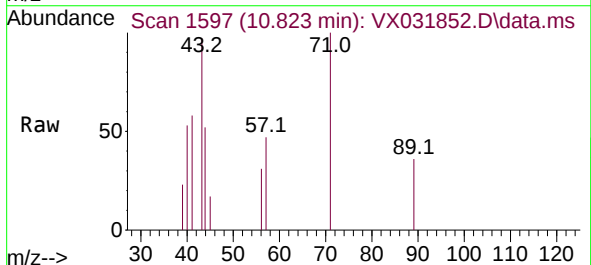
Instrument :
MSVOA_X
ClientSampleId :



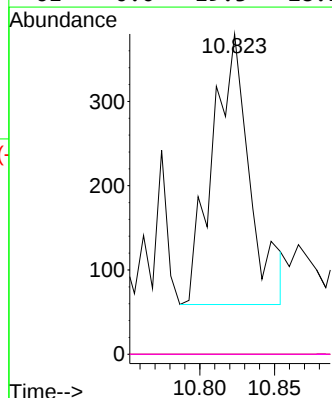
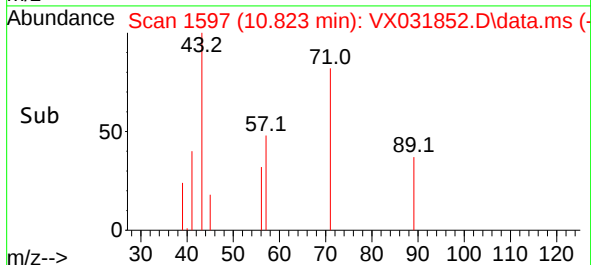
Tgt Ion:152 Resp: 95818
Ion Ratio Lower Upper
152 100
115 56.7 43.4 130.1
150 155.1 0.0 346.8

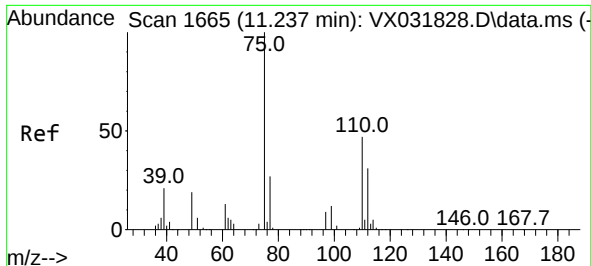


#74
N-ethyl acetate
Concen: 0.352 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.025 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30



Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.2 27.2#
61 0.0 19.3 28.9#

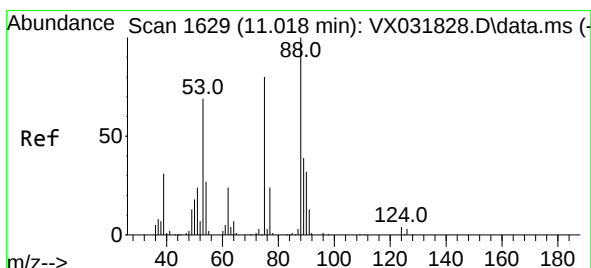
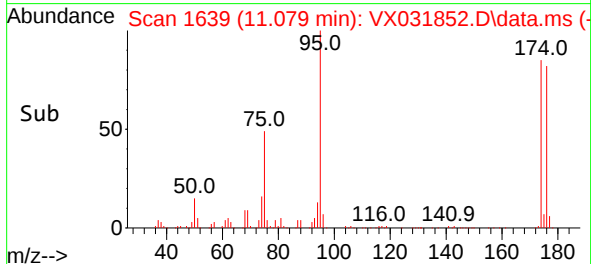
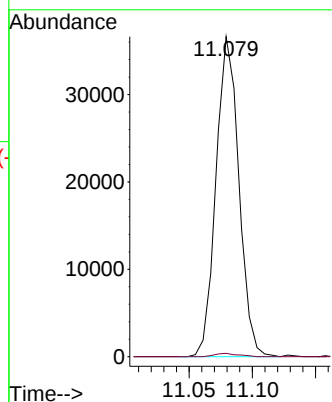
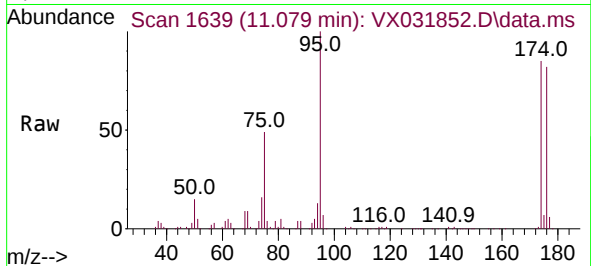




#76
1,2,3-Trichloropropane
Concen: 26.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 45956
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.495 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031852.D
Acq: 03 Oct 2022 22:30

Tgt Ion: 75 Resp: 45956
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

