

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031362.D
 Acq On : 15 Sep 2022 18:32
 Operator : JC/MD
 Sample : N4509-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_115D-20220902

Quant Time: Sep 16 04:56:33 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)

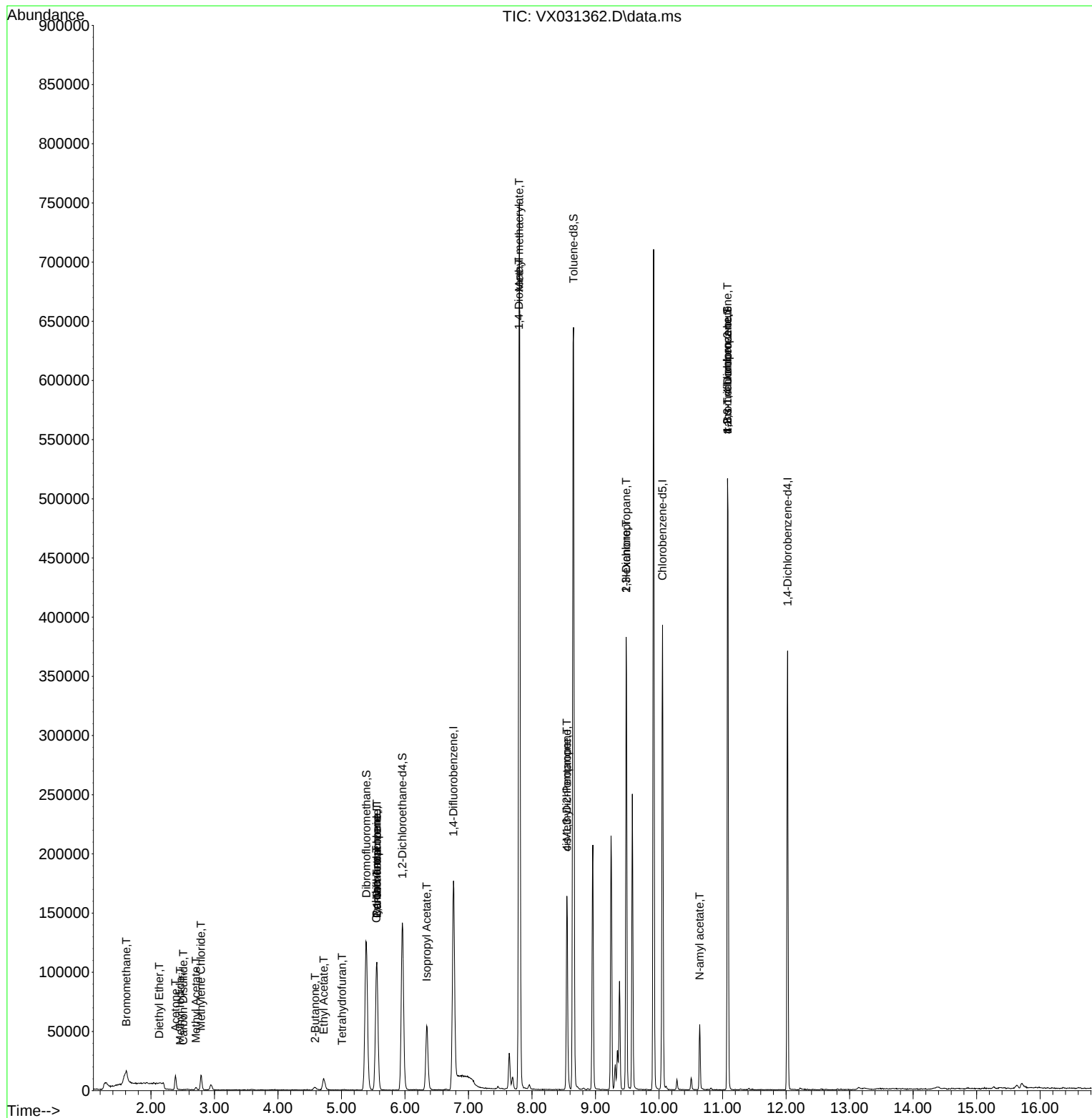
Internal Standards						
1) Pentafluorobenzene	5.556	168	101726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168167	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	128277	51.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.740%			
35) Dibromofluoromethane	5.391	113	103554	57.286	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.580%			
50) Toluene-d8	8.653	98	379824	56.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.020%			
62) 4-Bromofluorobenzene	11.079	95	121846	49.070	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.140%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	376	Below Cal	#	41
5) Bromomethane	1.611	94	784	0.588	ug/l	96
8) Diethyl Ether	2.130	74	23	0.545	ug/l #	1
10) Methyl Iodide	2.459	142	82	0.957	ug/l #	71
11) Tert butyl alcohol	2.940	59	2767	Below Cal	#	73
16) Acetone	2.386	43	13014	12.209	ug/l	94
17) Carbon Disulfide	2.508	76	176	0.930	ug/l #	75
18) Methyl Acetate	2.709	43	2671	0.845	ug/l	98
20) Methylene Chloride	2.788	84	5427	0.902	ug/l	93
21) trans-1,2-Dichloroethene	3.050	96	44	Below Cal	#	1
25) 2-Butanone	4.586	43	2652	1.508	ug/l	95
29) Tetrahydrofuran	5.007	42	326	0.299	ug/l #	32
31) Cyclohexane	5.550	56	2636	0.983	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	8628	3.487	ug/l #	51
37) Ethyl Acetate	4.721	43	17243	5.303	ug/l	98
38) Carbon Tetrachloride	5.556	117	10198	3.792	ug/l #	16
43) Isopropyl Acetate	6.342	43	74495	13.422	ug/l	100
48) Methyl methacrylate	7.799	41	64898	25.687	ug/l #	46
49) 1,4-Dioxane	7.793	88	63	1.243	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	57057	16.913	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	25439	7.667	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	3197	0.938	ug/l #	43
59) 2-Hexanone	9.482	43	42414	16.473	ug/l #	53
74) N-amyl acetate	10.640	43	13462	5.176	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	69378	38.867	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	69378	107.545	ug/l #	11

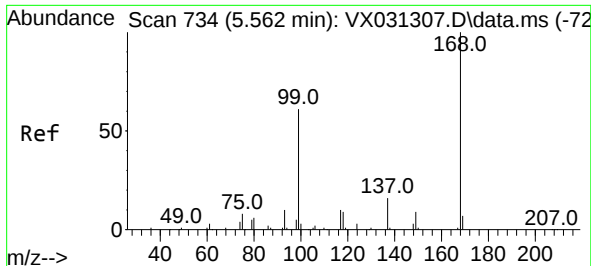
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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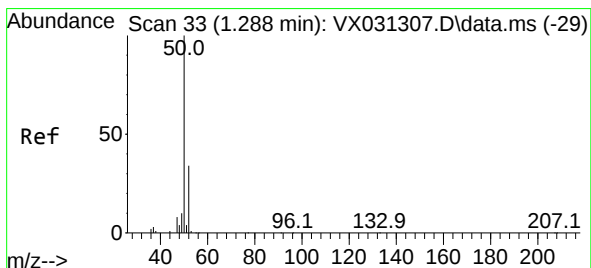
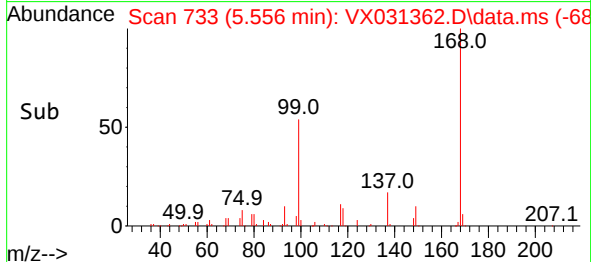
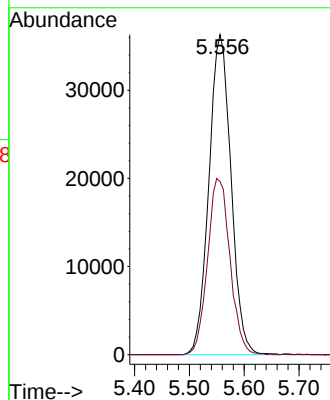
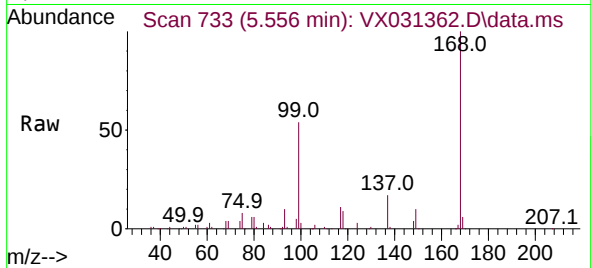




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

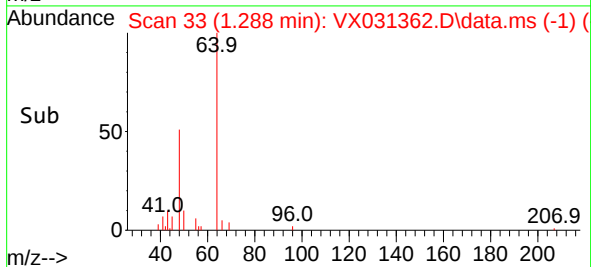
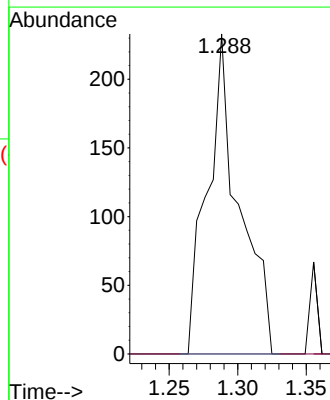
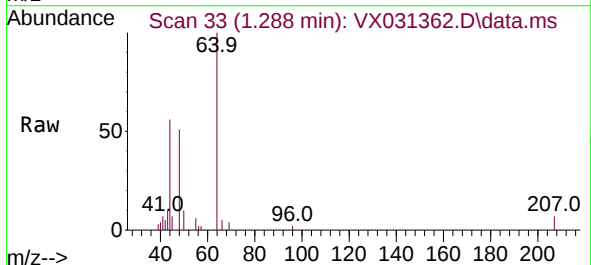
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_115D-20220902

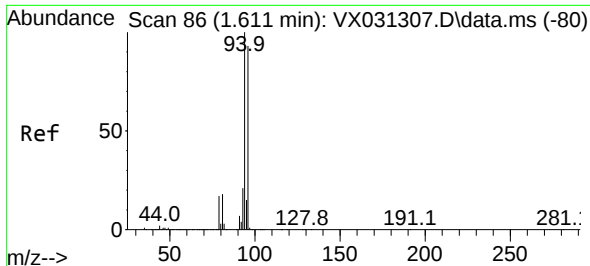
Tgt Ion:168 Resp: 101726
Ion Ratio Lower Upper
168 100
99 54.1 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 50 Resp: 376
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

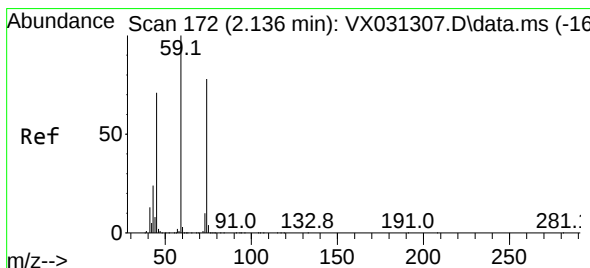
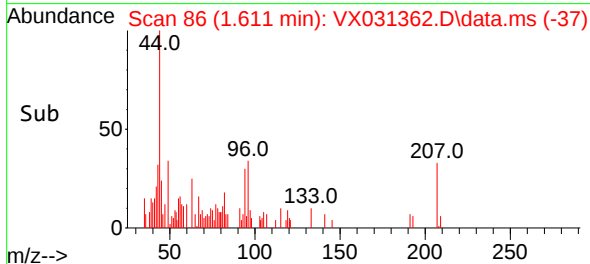
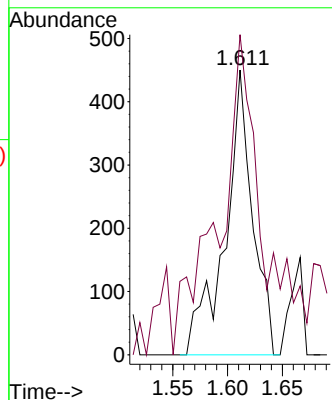
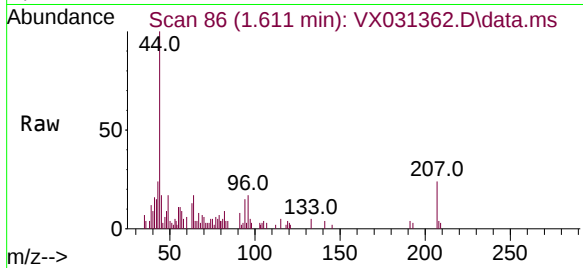




#5
Bromomethane
Concen: 0.588 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

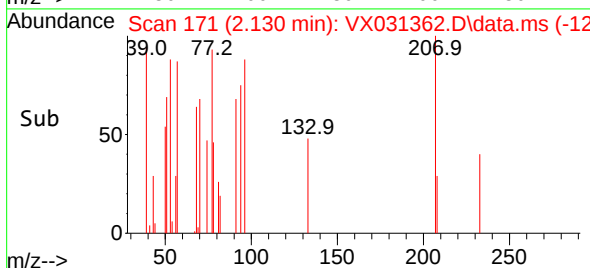
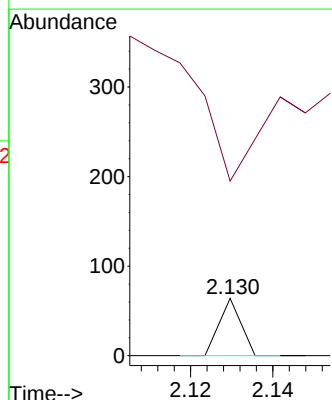
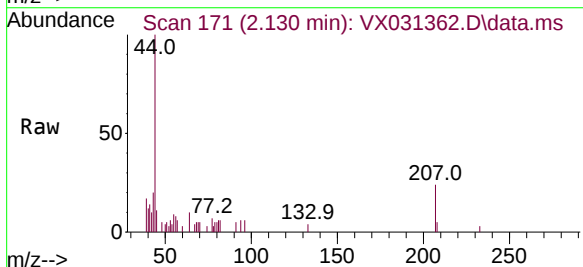
Instrument :
MSVOA_X
ClientSampleId :
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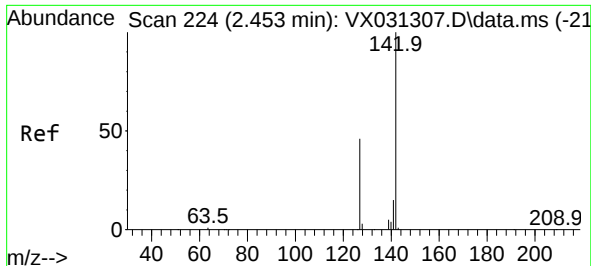
Tgt Ion: 94 Resp: 784
Ion Ratio Lower Upper
94 100
96 89.3 74.4 111.6



#8
Diethyl Ether
Concen: 0.545 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 0.0 48.5 145.6#

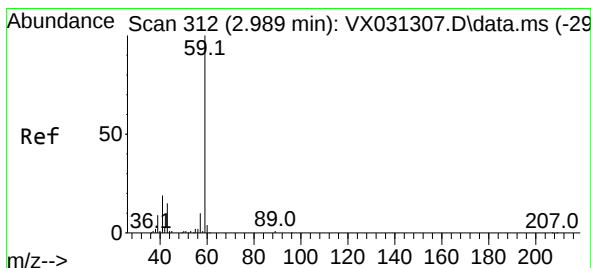
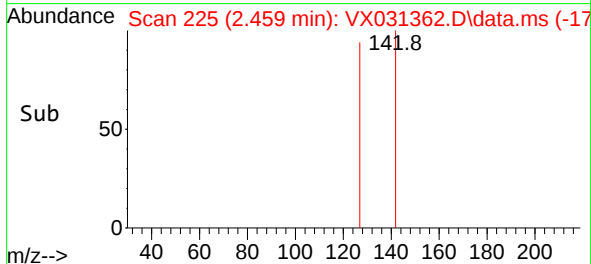
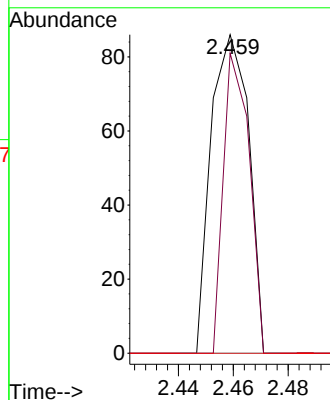
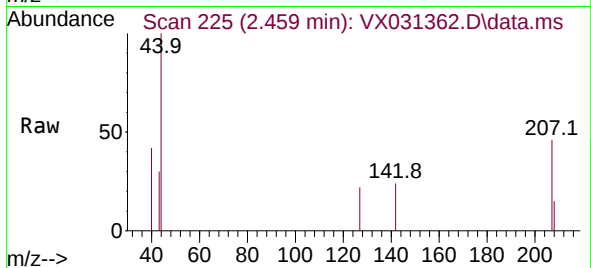




#10
Methyl Iodide
Concen: 0.957 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

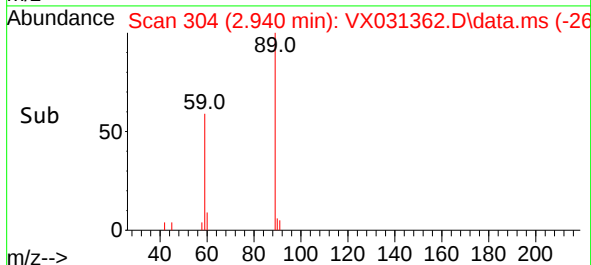
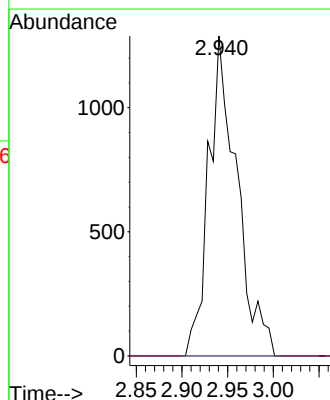
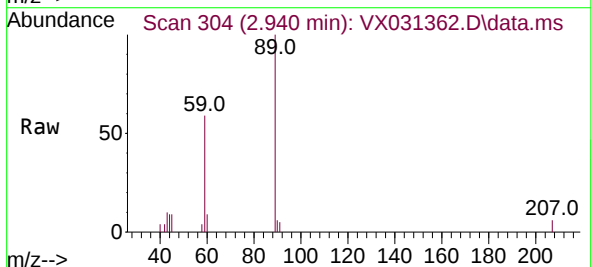
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_115D-20220902

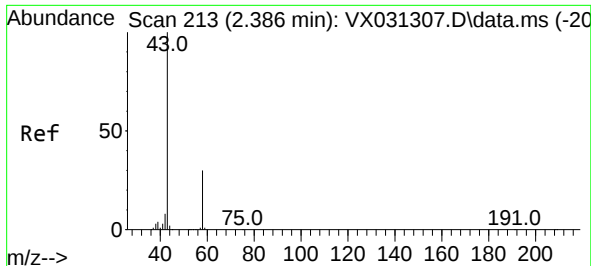
Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 64.6 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 59 Resp: 2767
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 12.209 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

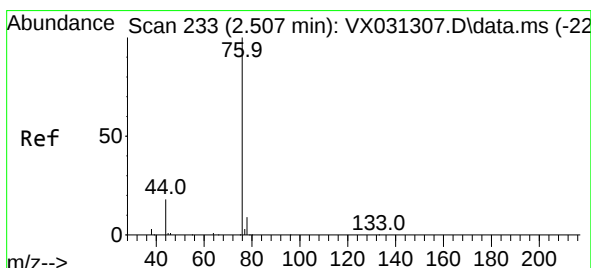
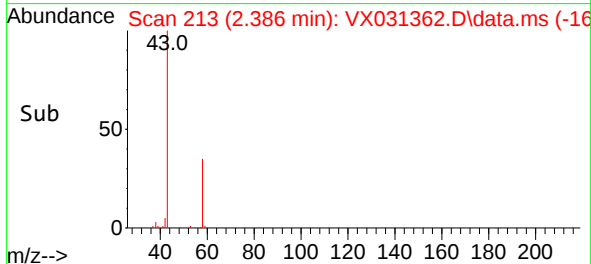
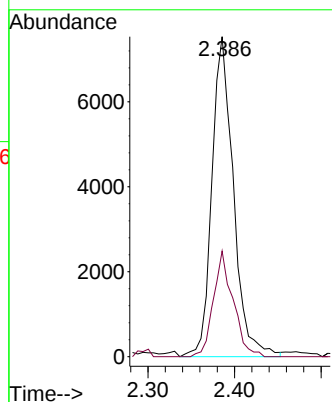
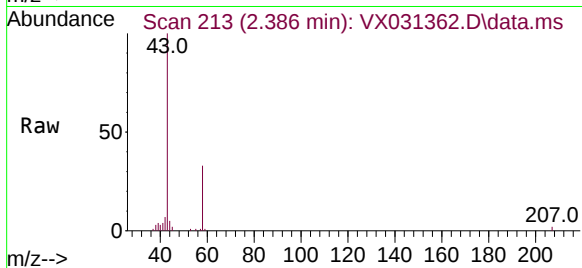
S1-SO_115D-20220902

Tgt Ion: 43 Resp: 13014

Ion Ratio Lower Upper

43 100

58 33.0 23.8 35.8



#17

Carbon Disulfide

Concen: 0.930 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.001 min

Lab File: VX031362.D

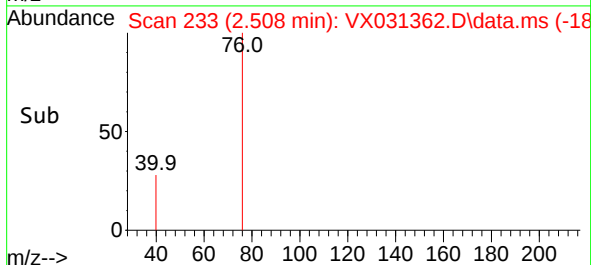
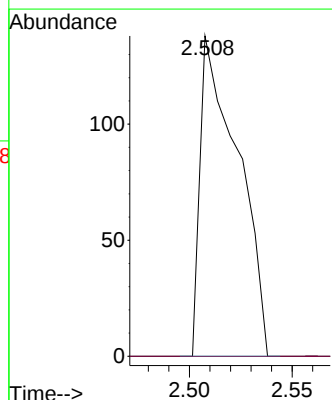
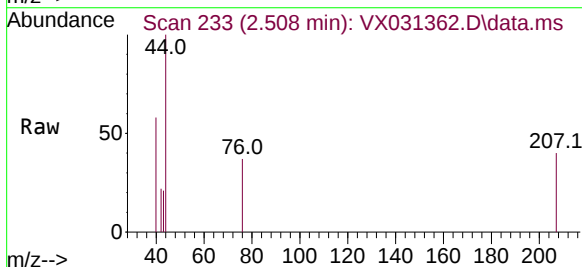
Acq: 15 Sep 2022 18:32

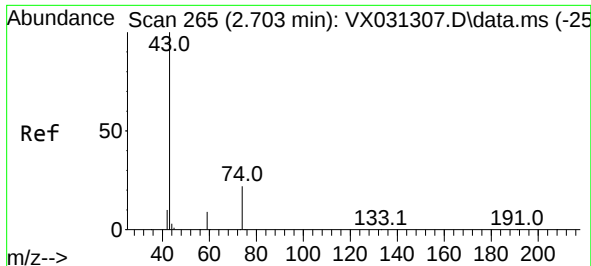
Tgt Ion: 76 Resp: 176

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

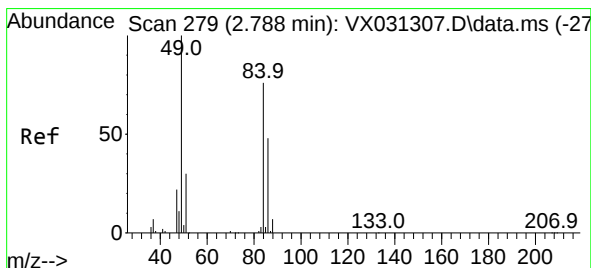
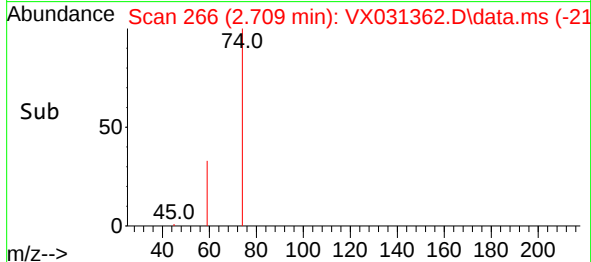
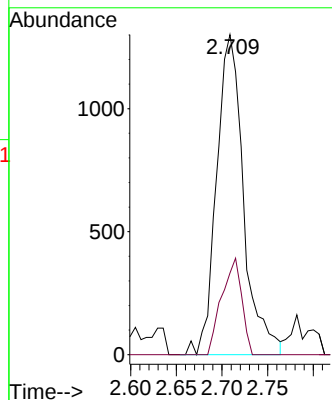
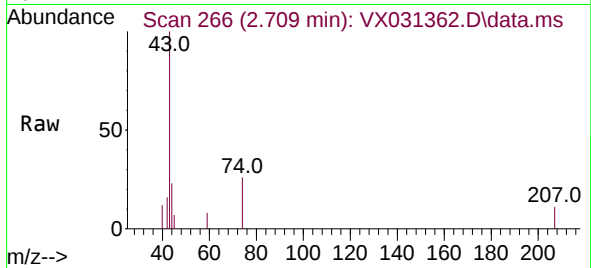




#18
Methyl Acetate
Concen: 0.845 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

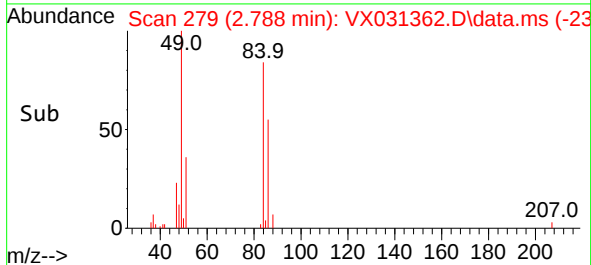
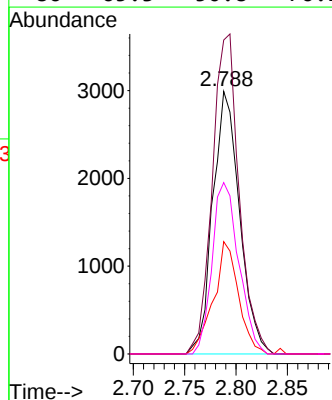
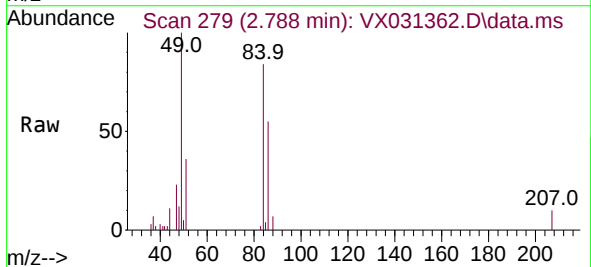
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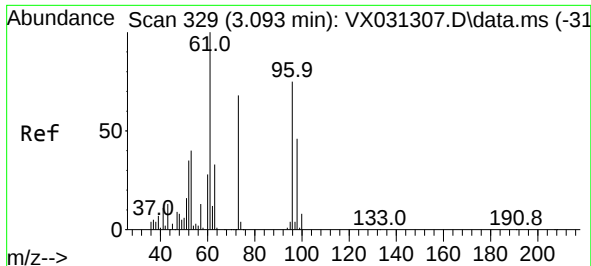
Tgt Ion: 43 Resp: 2671
Ion Ratio Lower Upper
43 100
74 22.4 18.6 27.8



#20
Methylene Chloride
Concen: 0.902 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 84 Resp: 5427
Ion Ratio Lower Upper
84 100
49 119.5 105.9 158.9
51 42.8 32.2 48.2
86 65.3 50.8 76.2

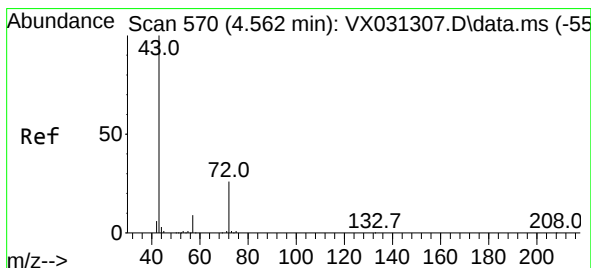
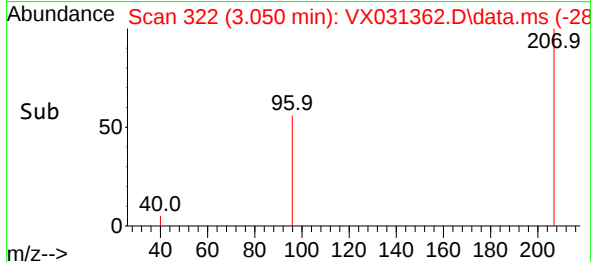
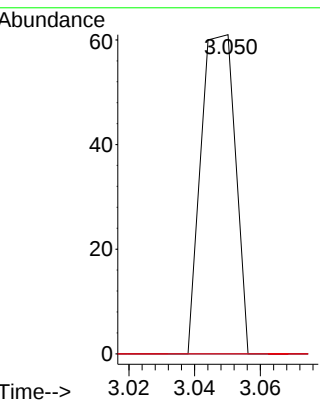
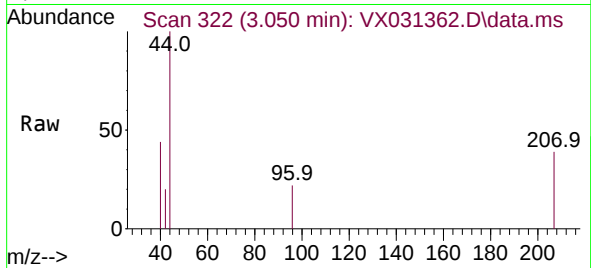




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.050 min Scan# 31
Delta R.T. -0.043 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

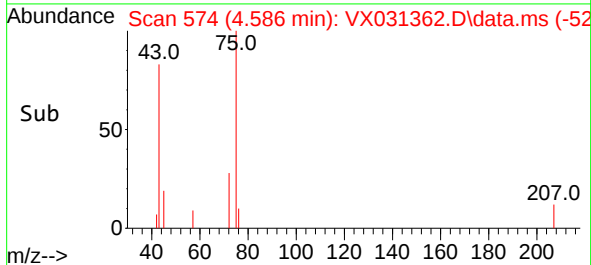
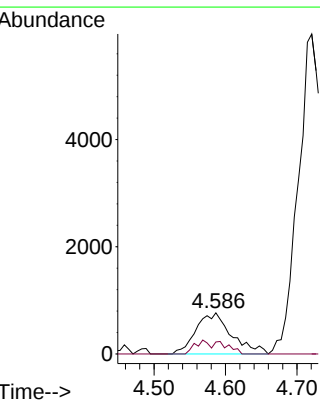
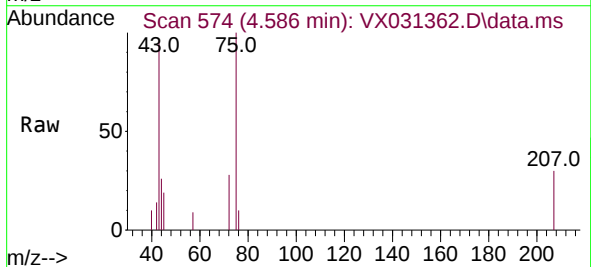
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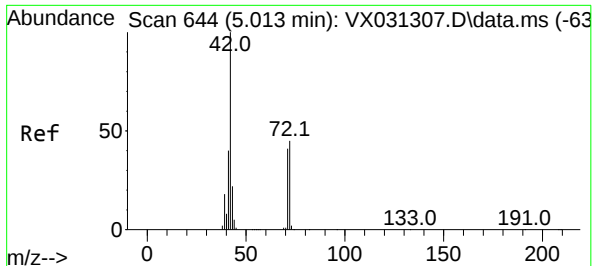
Tgt Ion: 96 Resp: 44
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 1.508 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.024 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 43 Resp: 2652
Ion Ratio Lower Upper
43 100
72 29.2 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.299 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX031362.D

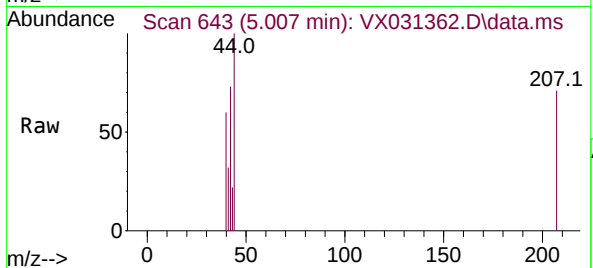
Acq: 15 Sep 2022 18:32

Instrument :

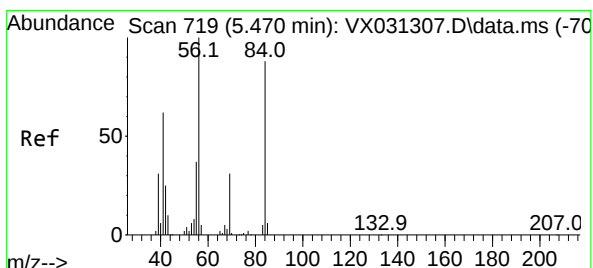
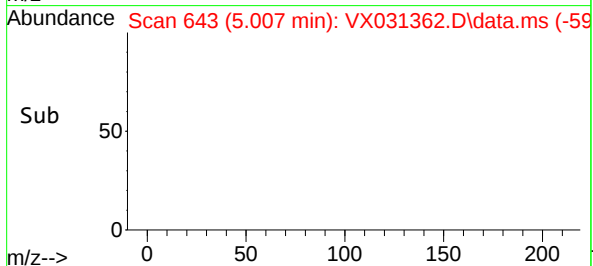
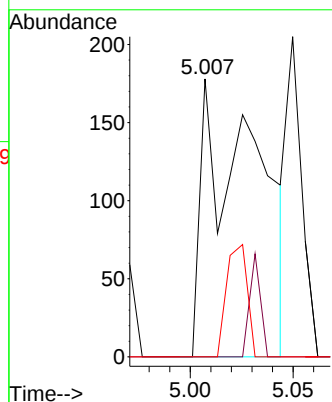
MSVOA_X

ClientSampleId :

S1-SO_115D-20220902



Tgt Ion: 42	Resp: 326
Ion Ratio	Lower Upper
42	100
72	0.0 36.4 54.6#
71	0.0 33.5 50.3#



#31

Cyclohexane

Concen: 0.983 ug/l

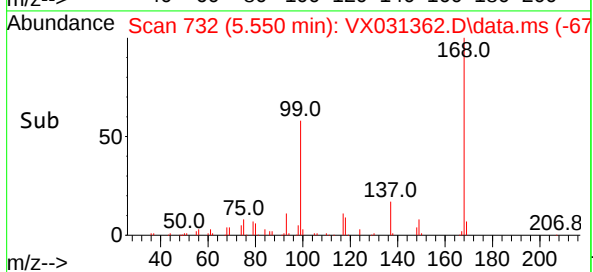
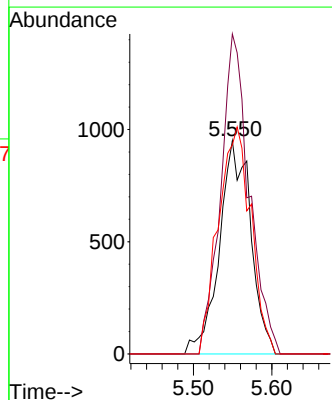
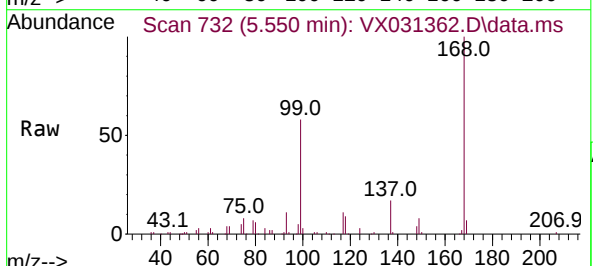
RT: 5.550 min Scan# 732

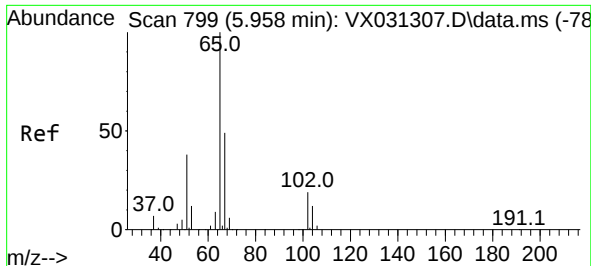
Delta R.T. 0.079 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

Tgt Ion: 56	Resp: 2636
Ion Ratio	Lower Upper
56	100
69	150.1 25.1 37.7#
84	98.1 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 51.374 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

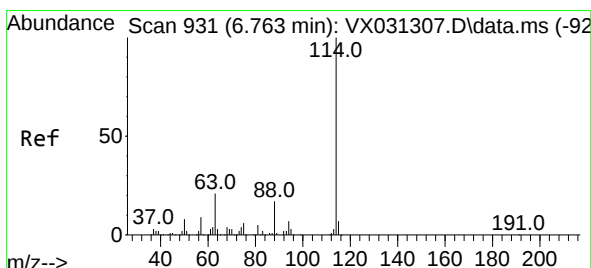
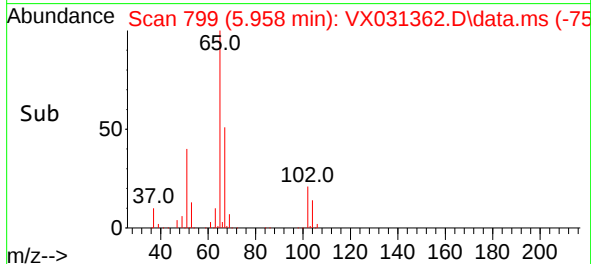
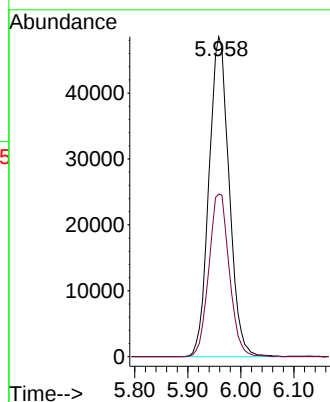
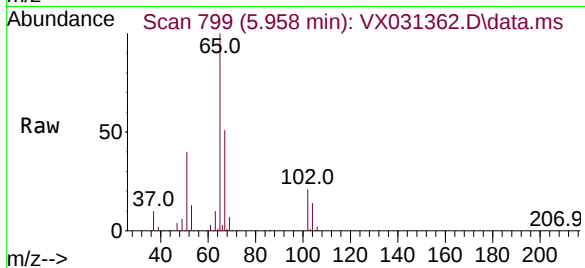
S1-SO_115D-20220902

Tgt Ion: 65 Resp: 128277

Ion Ratio Lower Upper

65 100

67 51.5 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: VX031362.D

Acq: 15 Sep 2022 18:32

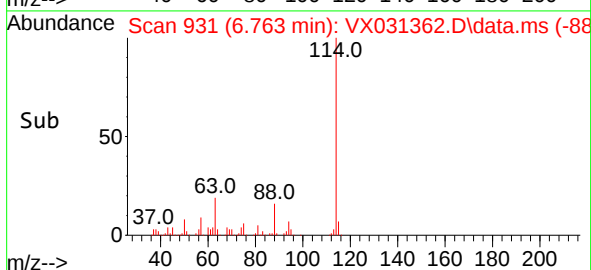
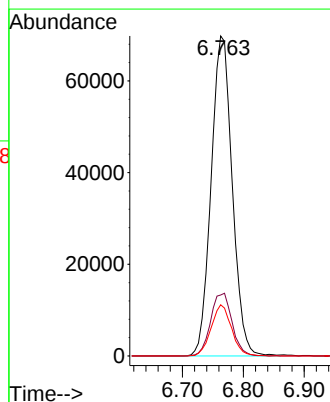
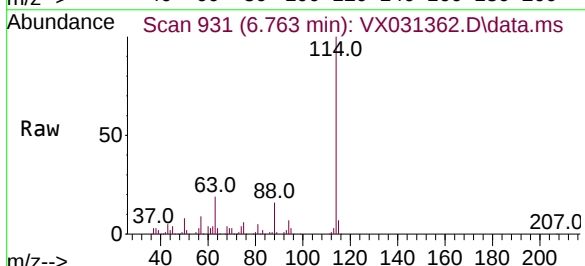
Tgt Ion: 114 Resp: 168167

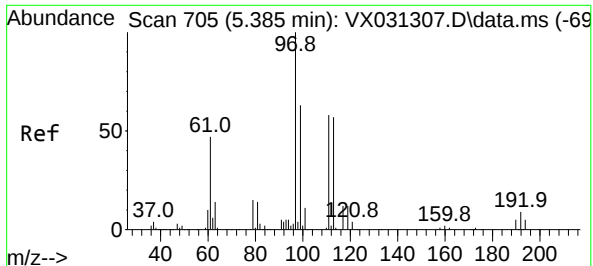
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 57.286 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_115D-20220902

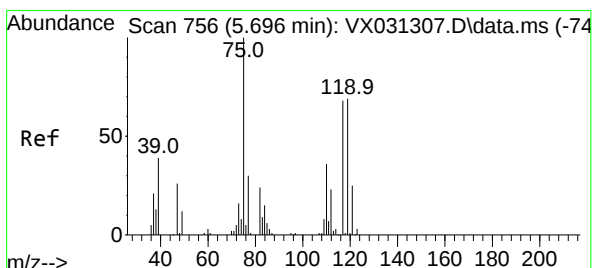
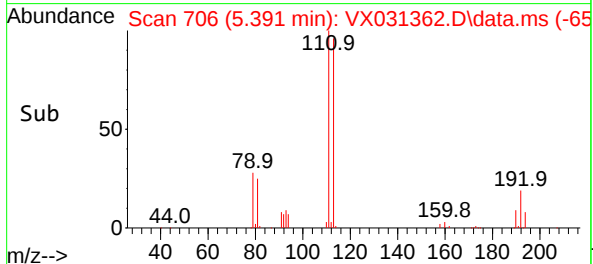
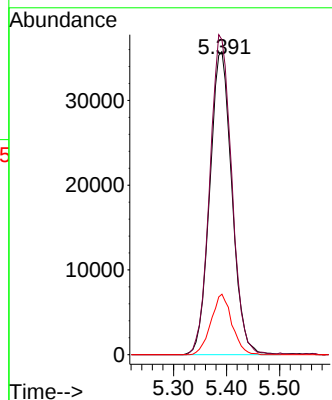
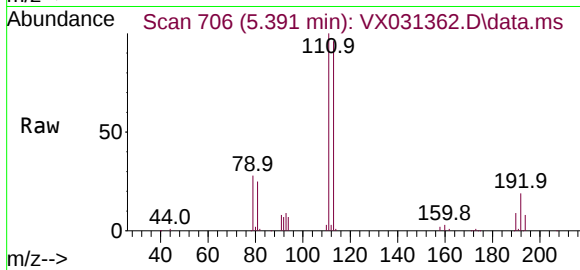
Tgt Ion:113 Resp: 103554

Ion Ratio Lower Upper

113 100

111 104.9 82.4 123.6

192 18.9 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.487 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

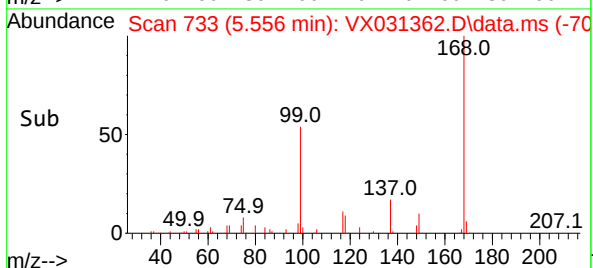
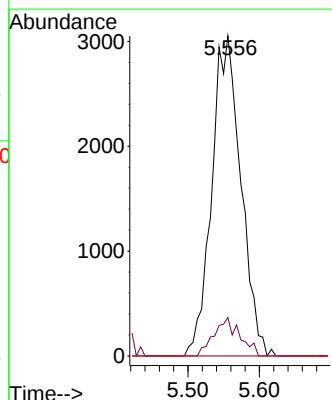
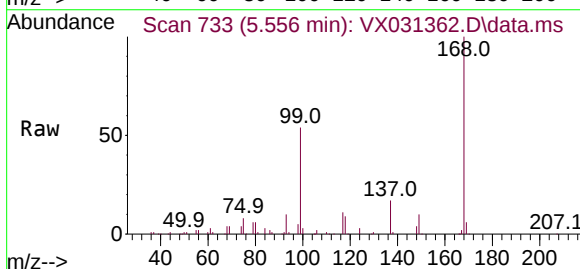
Tgt Ion: 75 Resp: 8628

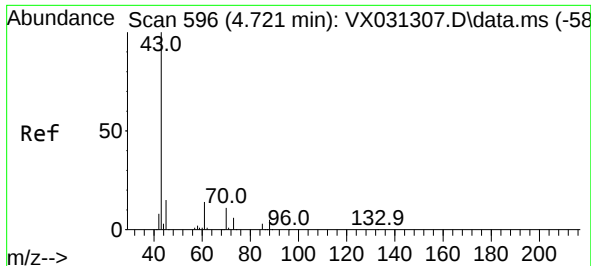
Ion Ratio Lower Upper

75 100

110 10.6 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 5.303 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

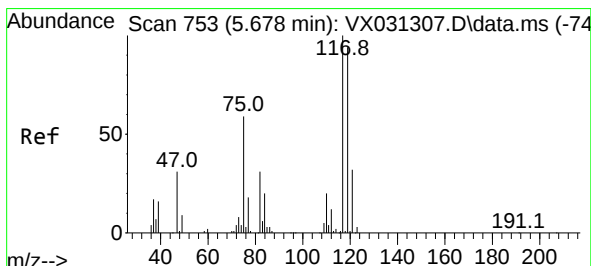
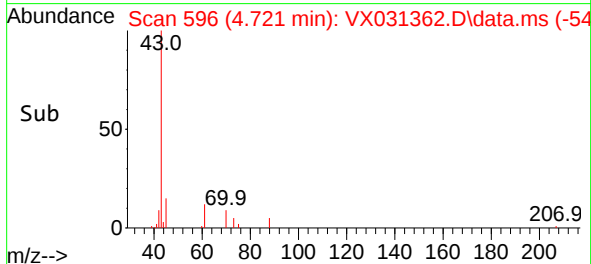
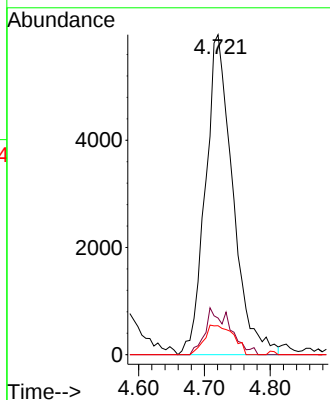
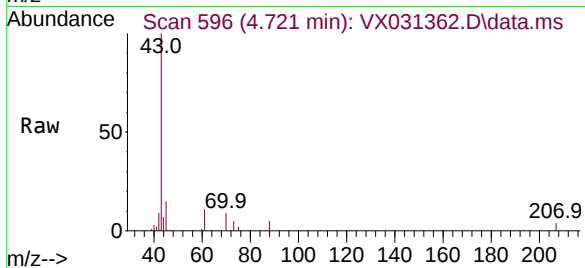
Instrument :

MSVOA_X

ClientSampleId :

S1-SO_115D-20220902

Tgt Ion:	43	Resp:	17243
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.1	16.7
70	9.7	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.792 ug/l

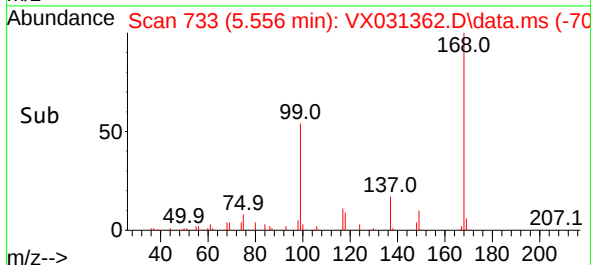
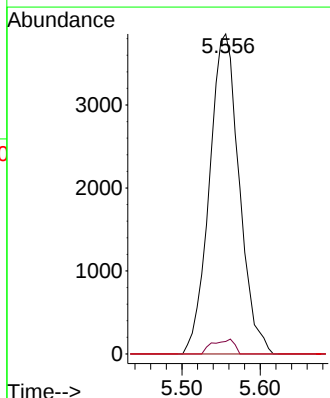
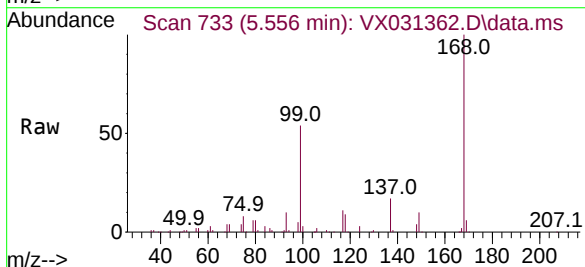
RT: 5.556 min Scan# 733

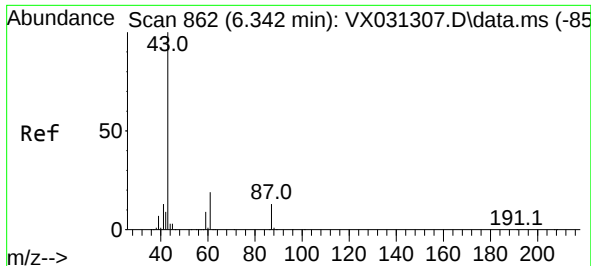
Delta R.T. -0.122 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

Tgt Ion:	117	Resp:	10198
Ion	Ratio	Lower	Upper
117	100		
119	3.9	74.6	112.0#
121	0.0	25.3	37.9#

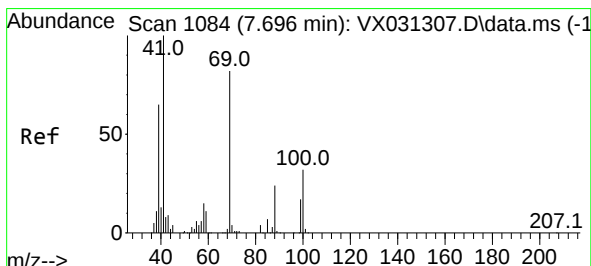
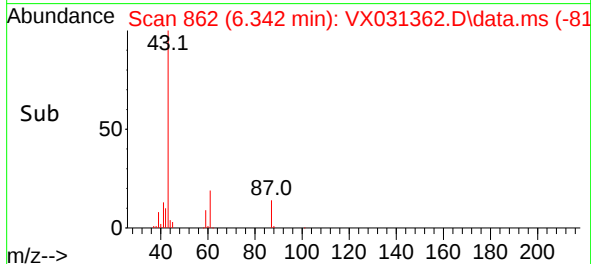
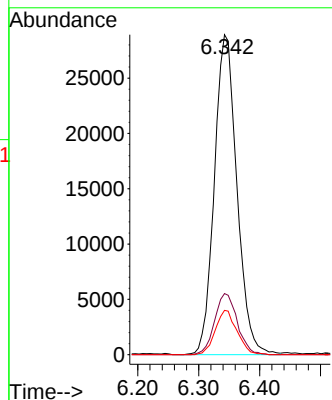
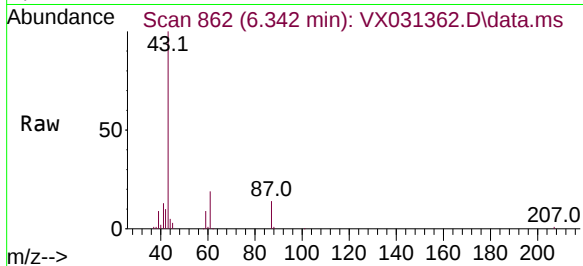




#43
Isopropyl Acetate
Concen: 13.422 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

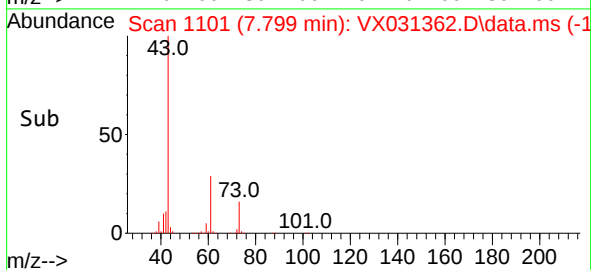
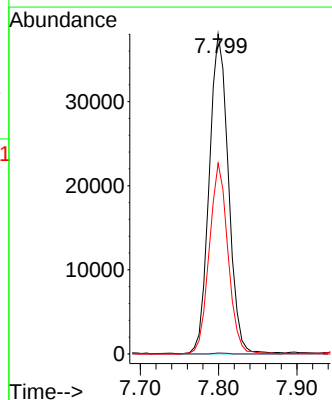
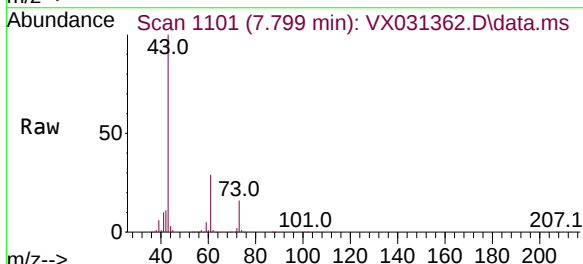
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_115D-20220902

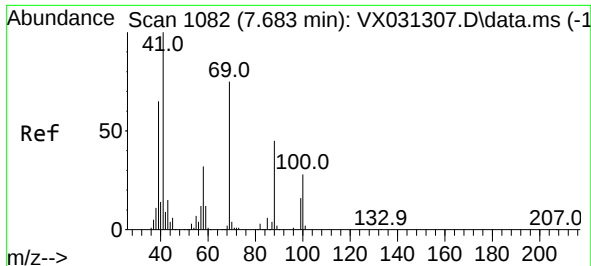
Tgt Ion:	43	Resp:	74495
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.3	22.9
87	13.3	10.6	15.8



#48
Methyl methacrylate
Concen: 25.687 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion:	41	Resp:	64898
Ion	Ratio	Lower	Upper
41	100		
69	0.2	64.6	96.8
39	57.9	51.4	77.0

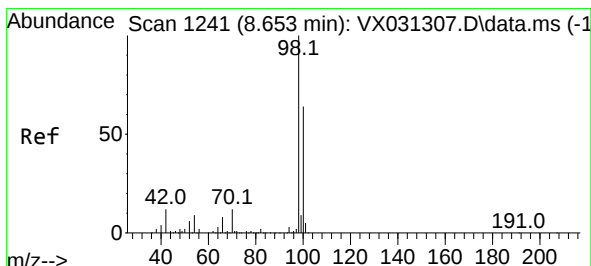
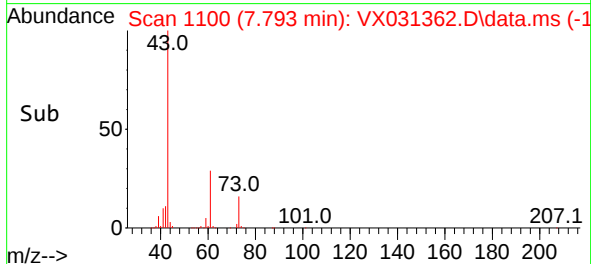
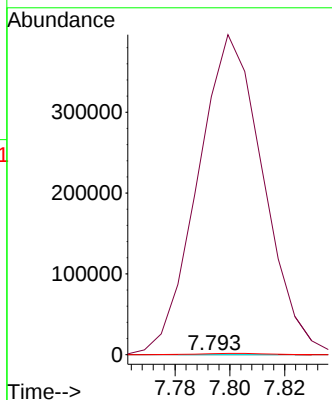
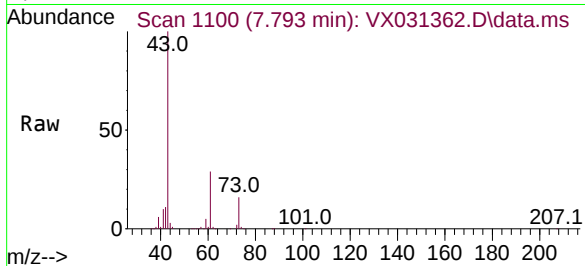




#49
1,4-Dioxane
Concen: 1.243 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

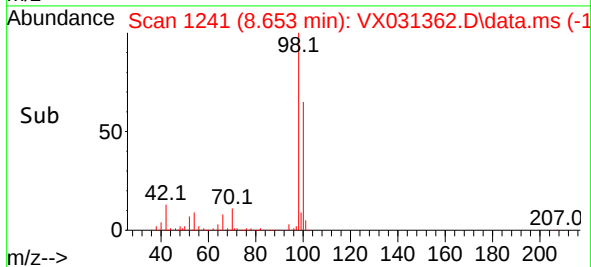
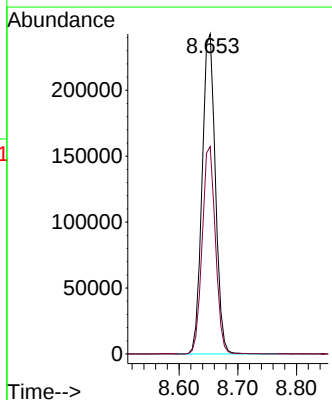
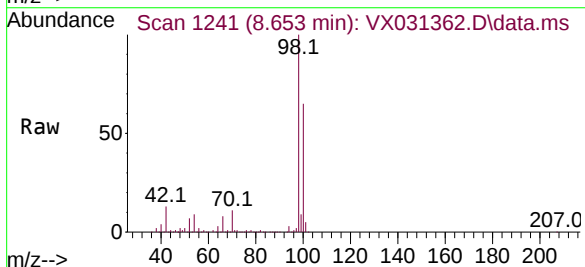
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_115D-20220902

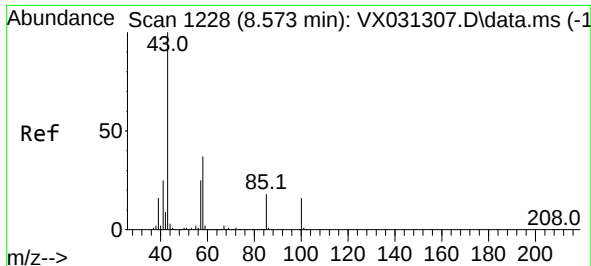
Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 1052481.0 27.1 40.7#
58 4274.6 53.9 80.9#



#50
Toluene-d8
Concen: 56.014 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 98 Resp: 379824
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 16.913 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

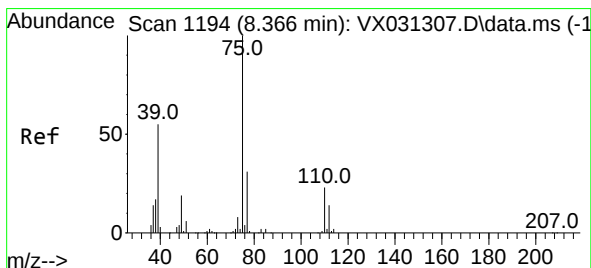
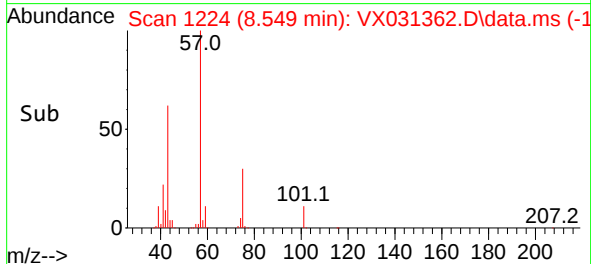
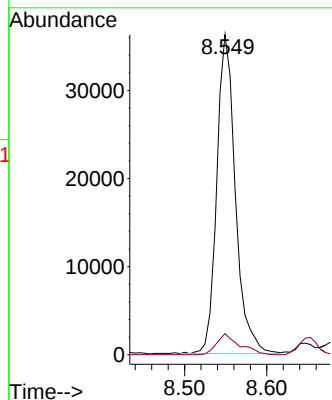
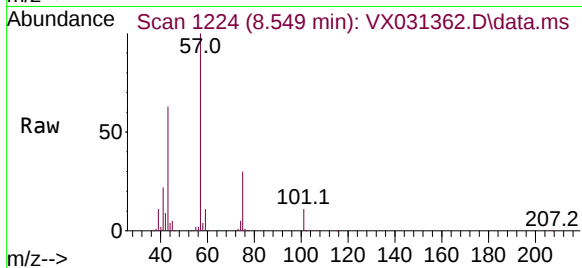
S1-SO_115D-20220902

Tgt Ion: 43 Resp: 57057

Ion Ratio Lower Upper

43 100

58 8.0 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.667 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

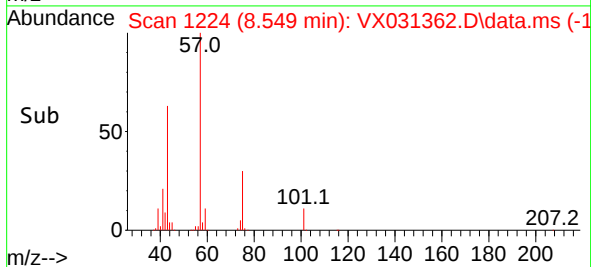
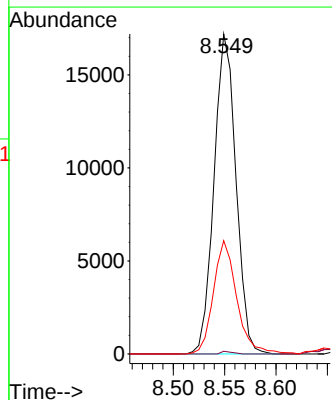
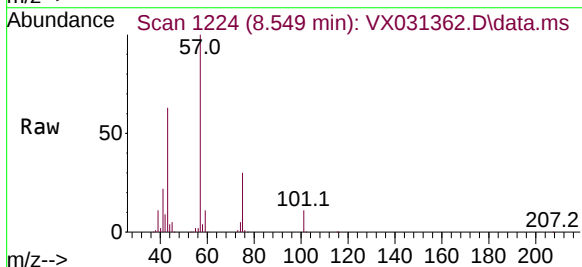
Tgt Ion: 75 Resp: 25439

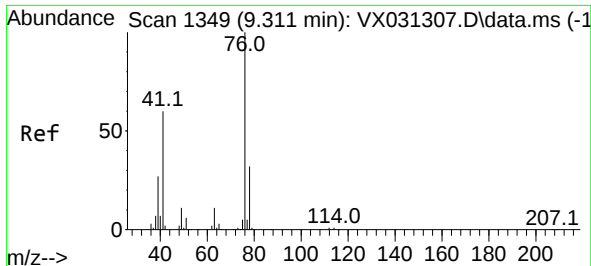
Ion Ratio Lower Upper

75 100

77 0.9 24.4 36.6#

39 35.4 43.7 65.5#





#57

1,3-Dichloropropane

Concen: 0.938 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031362.D

Acq: 15 Sep 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

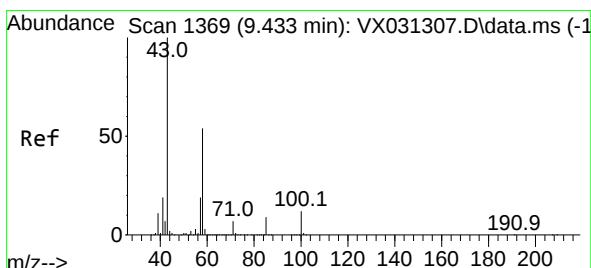
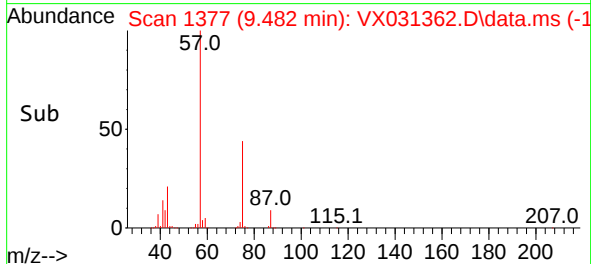
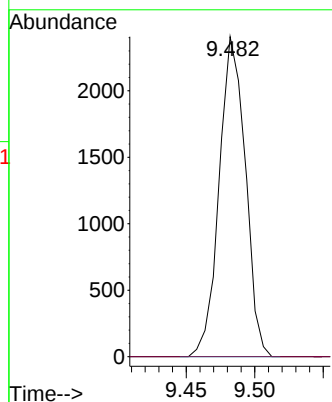
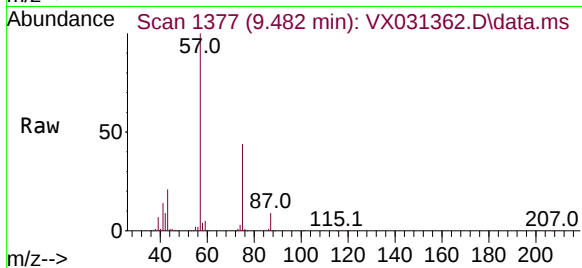
S1-SO_115D-20220902

Tgt Ion: 76 Resp: 3197

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 16.473 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031362.D

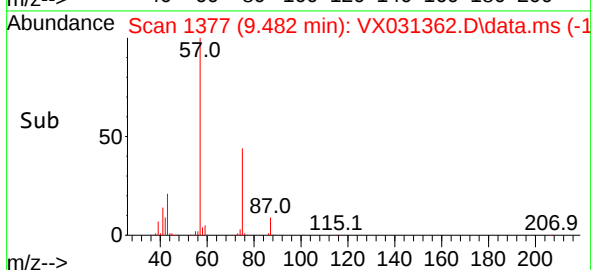
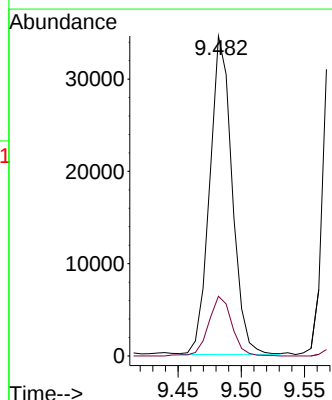
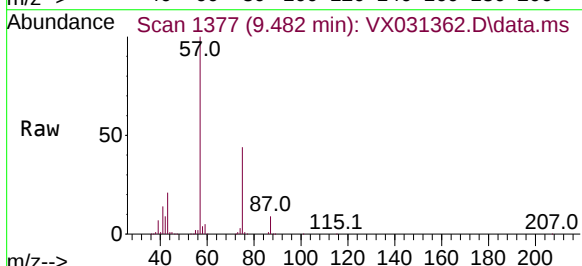
Acq: 15 Sep 2022 18:32

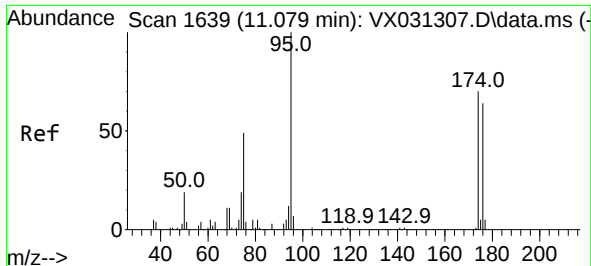
Tgt Ion: 43 Resp: 42414

Ion Ratio Lower Upper

43 100

58 19.6 26.7 80.0#

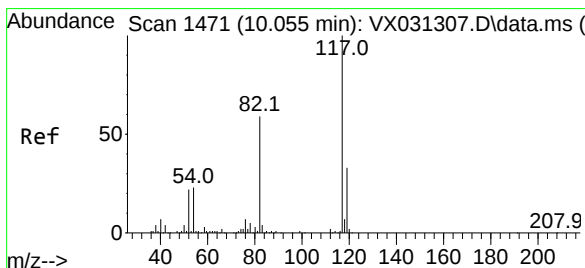
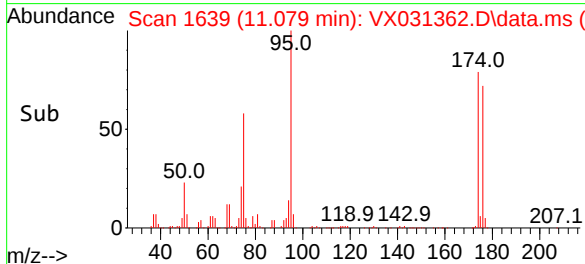
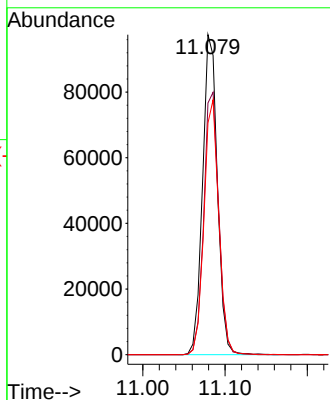
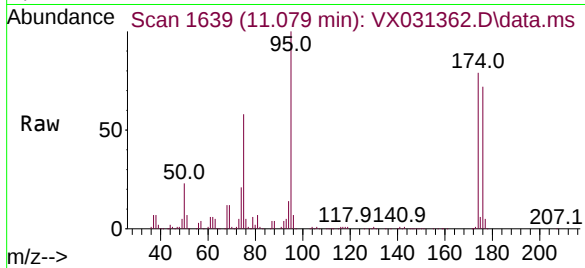




#62
4-Bromofluorobenzene
Concen: 49.070 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

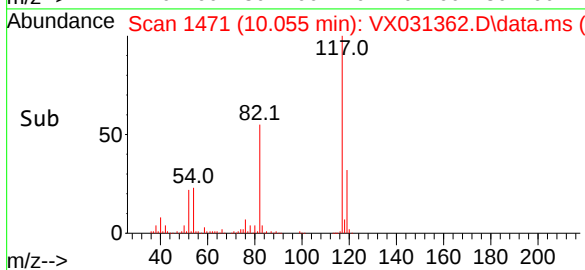
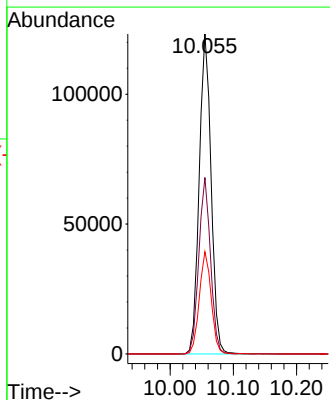
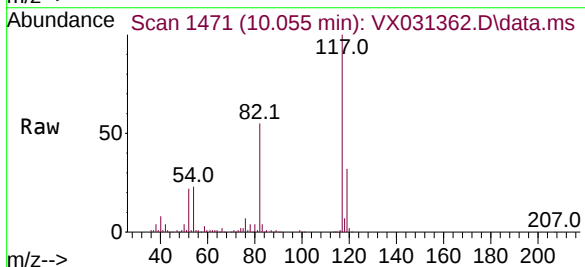
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_115D-20220902

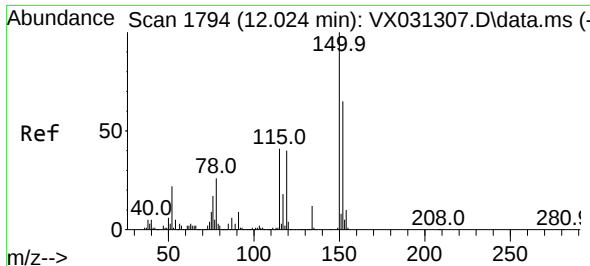
Tgt Ion: 95 Resp: 121846
Ion Ratio Lower Upper
95 100
174 83.1 0.0 153.2
176 79.7 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 117 Resp: 161520
Ion Ratio Lower Upper
117 100
82 55.2 46.8 70.2
119 31.9 26.4 39.6

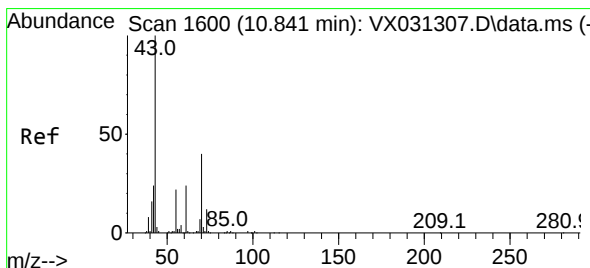
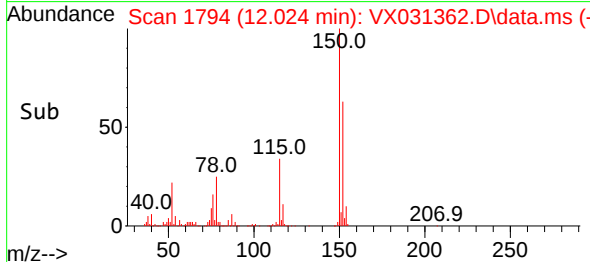
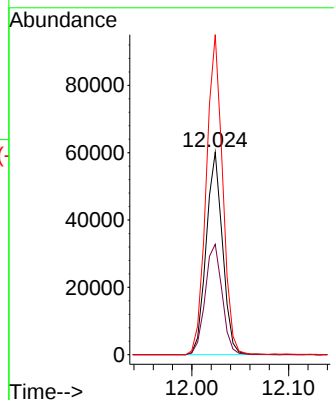
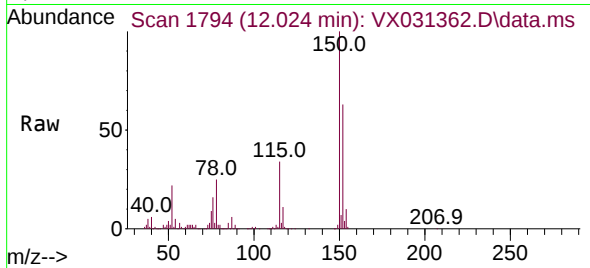




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

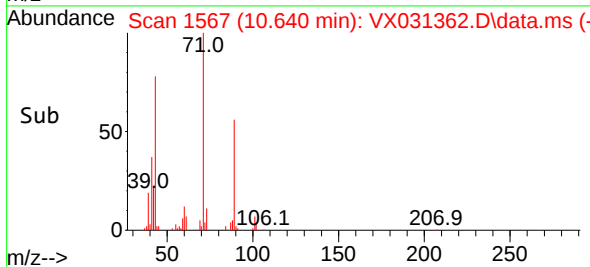
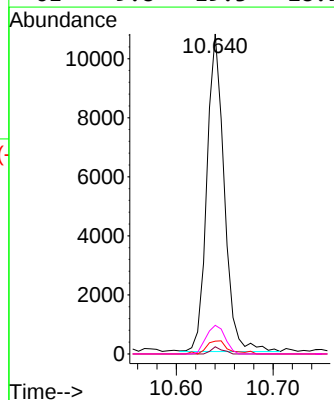
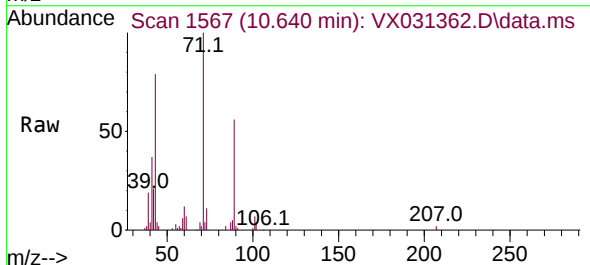
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_115D-20220902

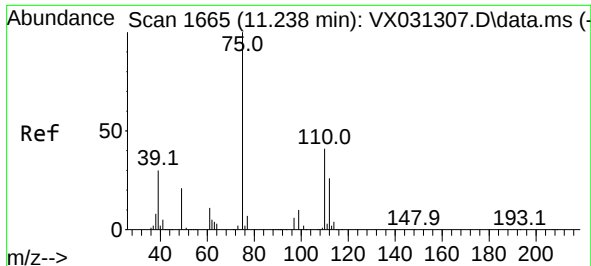
Tgt Ion:152 Resp: 70834
Ion Ratio Lower Upper
152 100
115 56.7 43.4 130.1
150 158.1 0.0 346.8



#74
N-ethyl acetate
Concen: 5.176 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 43 Resp: 13462
Ion Ratio Lower Upper
43 100
70 1.5 33.4 50.2#
55 5.2 18.2 27.2#
61 9.8 19.3 28.9#

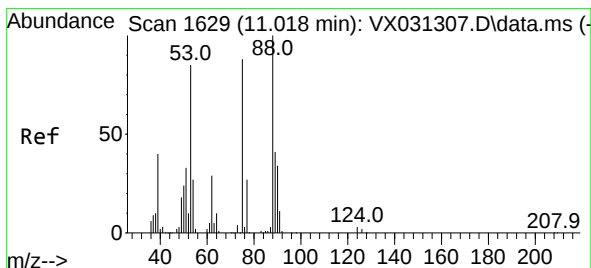
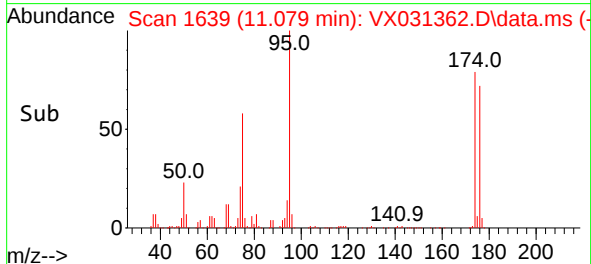
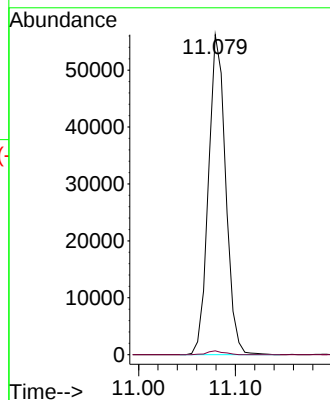
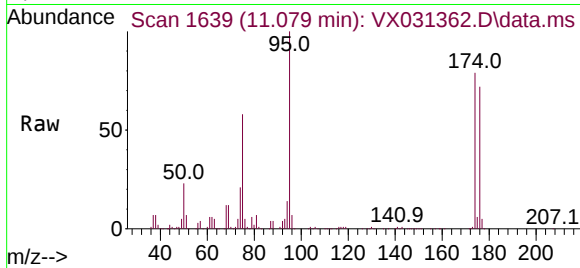




#76
1,2,3-Trichloropropane
Concen: 38.867 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_115D-20220902

Tgt Ion: 75 Resp: 69378
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031362.D
Acq: 15 Sep 2022 18:32

Tgt Ion: 75 Resp: 69378
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

