

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031856.D
 Acq On : 04 Oct 2022 00:03
 Operator : JC/MD
 Sample : N4932-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 08:04:22 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)

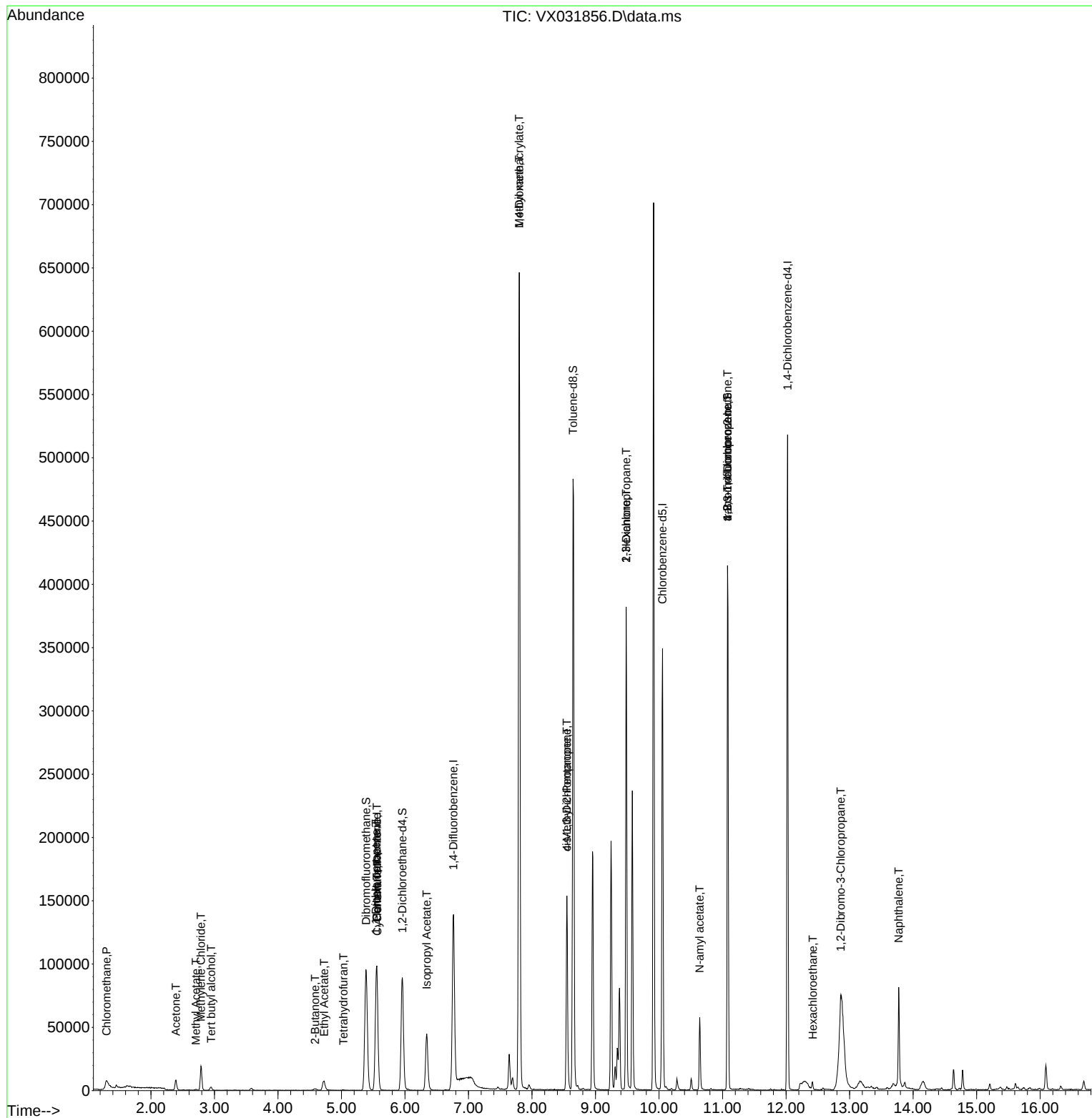
Internal Standards						
1) Pentafluorobenzene	5.556	168	101322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	152847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84115	46.338	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.680%
35) Dibromofluoromethane	5.385	113	83405	45.928	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.860%
50) Toluene-d8	8.647	98	304669	46.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.800%
62) 4-Bromofluorobenzene	11.079	95	107987	46.160	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	385	0.280	ug/l #	41
5) Bromomethane	1.623	94	250	Below Cal	#	52
6) Chloroethane	1.697	64	84	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	1441	5.702	ug/l #	73
16) Acetone	2.392	43	9958	6.777	ug/l #	87
17) Carbon Disulfide	2.514	76	536	Below Cal	#	75
18) Methyl Acetate	2.709	43	1114	0.656	ug/l #	90
20) Methylene Chloride	2.788	84	9412	5.927	ug/l #	78
25) 2-Butanone	4.586	43	1370	1.645	ug/l #	88
29) Tetrahydrofuran	5.031	42	243	0.472	ug/l #	77
31) Cyclohexane	5.562	56	1532	0.709	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6547	2.908	ug/l #	51
37) Ethyl Acetate	4.727	43	12696	7.449	ug/l #	93
38) Carbon Tetrachloride	5.556	117	9769	3.495	ug/l #	15
43) Isopropyl Acetate	6.342	43	57859	20.994	ug/l #	90
48) Methyl methacrylate	7.799	41	51760	41.970	ug/l #	44
49) 1,4-Dioxane	7.799	88	79	1.976	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	46428	26.838	ug/l #	54
54) cis-1,3-Dichloropropene	8.549	75	28115	10.584	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	3647	1.292	ug/l #	43
59) 2-Hexanone	9.482	43	37022	29.438	ug/l #	57
74) N-amyl acetate	10.640	43	13154	6.930	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	50721	24.296	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	50721	83.405	ug/l #	11
90) Hexachloroethane	12.420	117	275	0.212	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.859	75	1387	2.859	ug/l #	3
95) Naphthalene	13.774	128	55435	7.198	ug/l	99

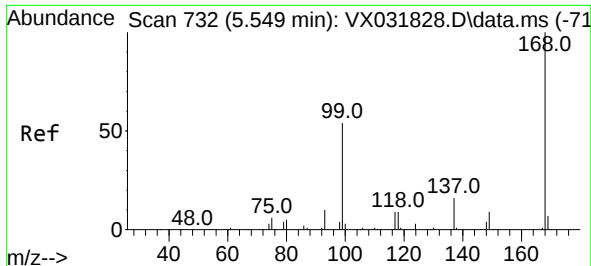
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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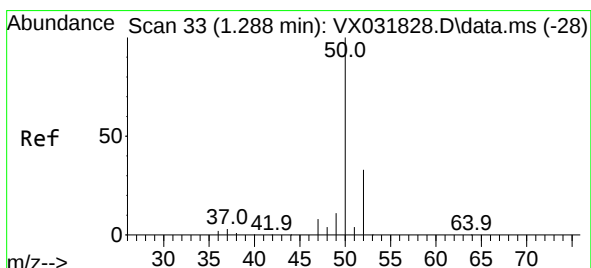
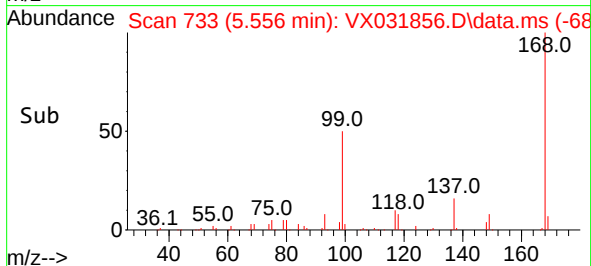
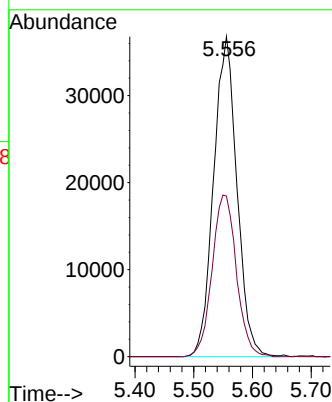
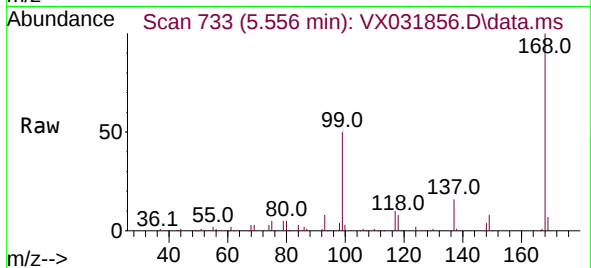




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

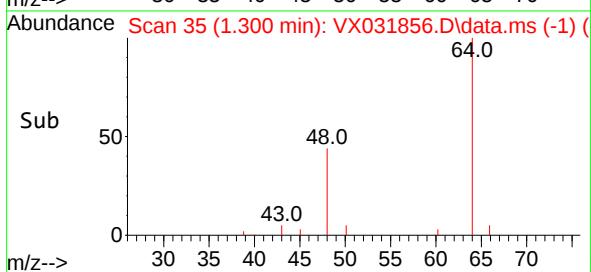
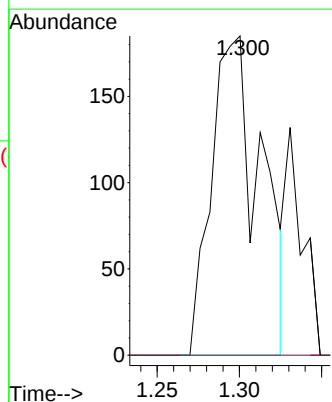
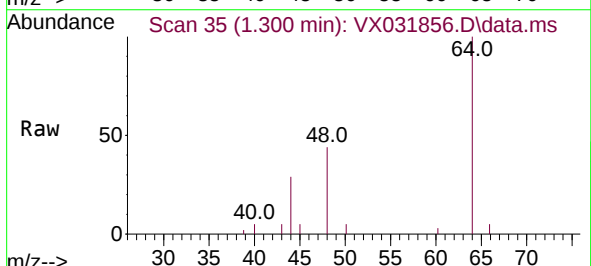
Instrument :
MSVOA_X
ClientSampleId :

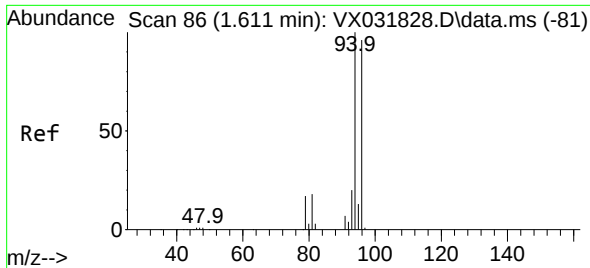
Tgt Ion:168 Resp: 101322
Ion Ratio Lower Upper
168 100
99 50.2 48.8 73.2



#3
Chloromethane
Concen: 0.280 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.012 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

Tgt Ion: 50 Resp: 385
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

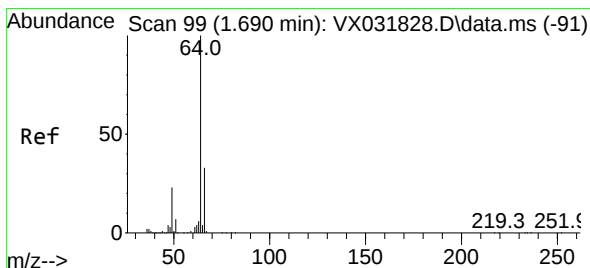
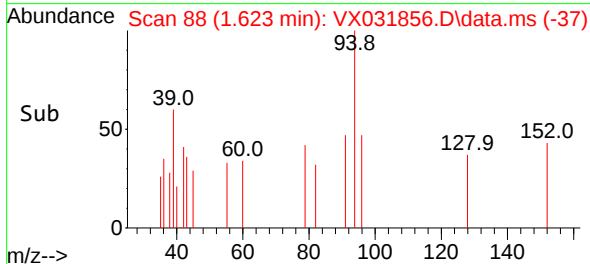
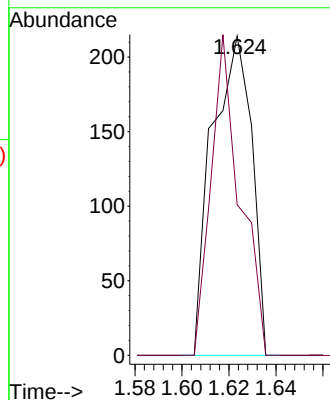
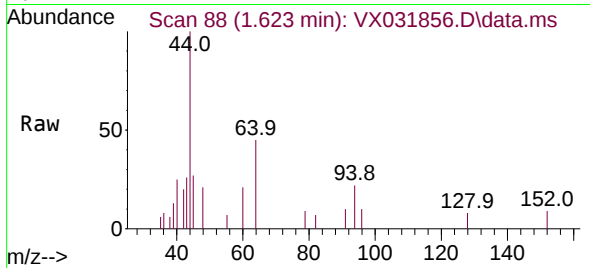




#5
Bromomethane
Concen: Below Cal
RT: 1.623 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

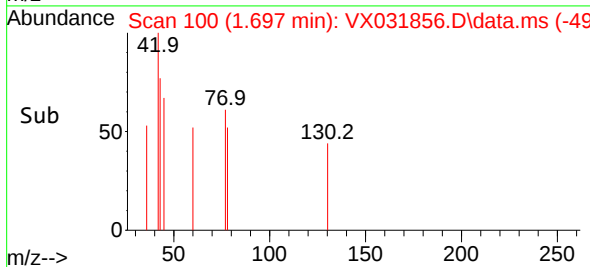
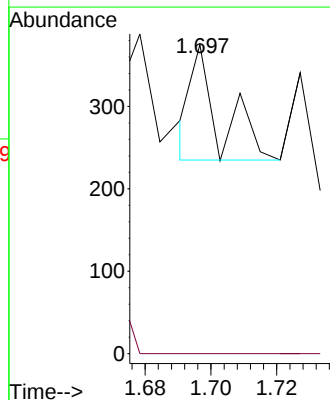
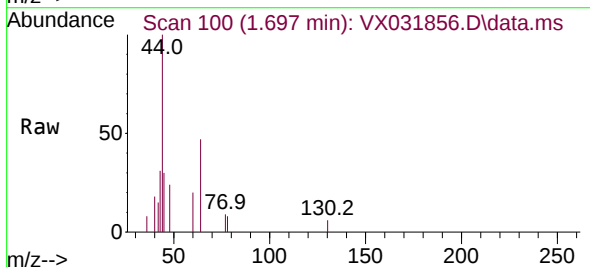
Instrument :
MSVOA_X
ClientSampleId :

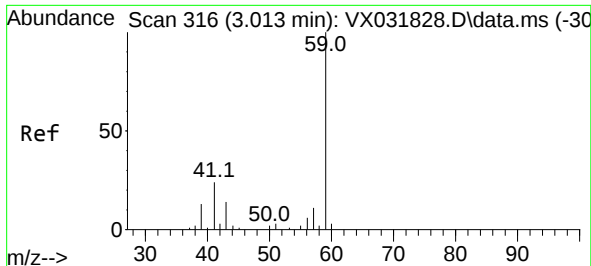
Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 47.2 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

Tgt Ion: 64 Resp: 84
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: 5.702 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.135 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Instrument :

MSVOA_X

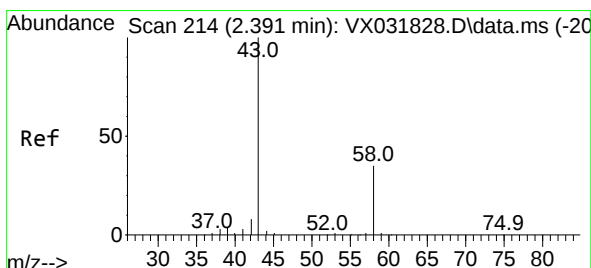
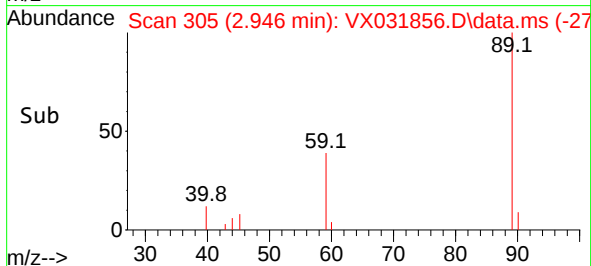
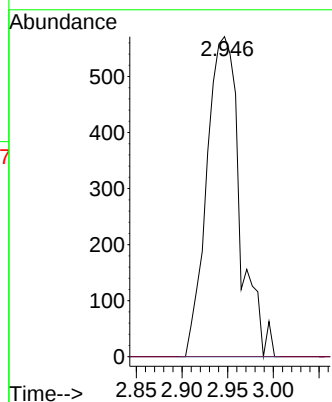
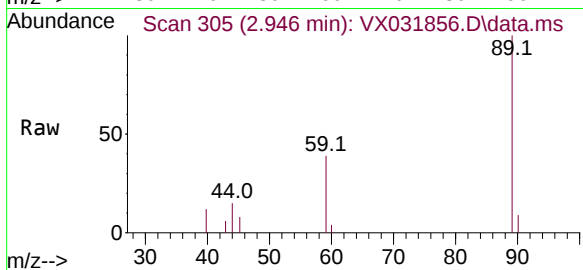
ClientSampleId :

Tgt Ion: 59 Resp: 1441

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 6.777 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX031856.D

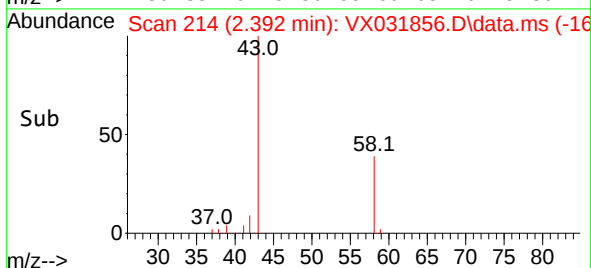
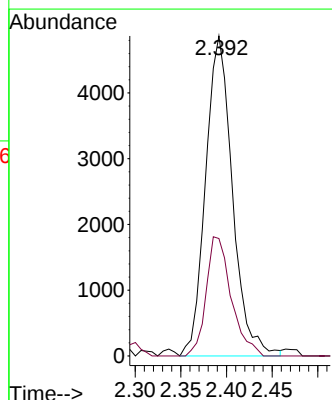
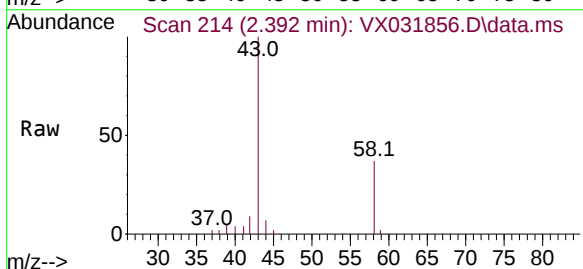
Acq: 04 Oct 2022 00:03

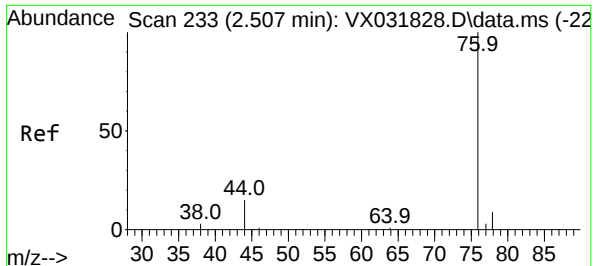
Tgt Ion: 43 Resp: 9958

Ion Ratio Lower Upper

43 100

58 36.7 23.8 35.8#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Instrument :

MSVOA_X

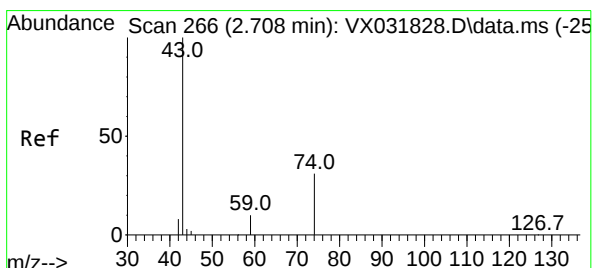
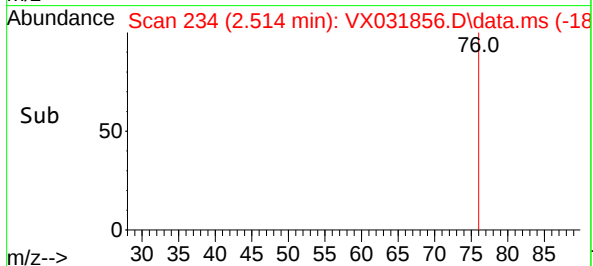
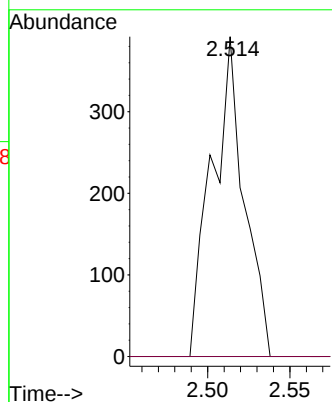
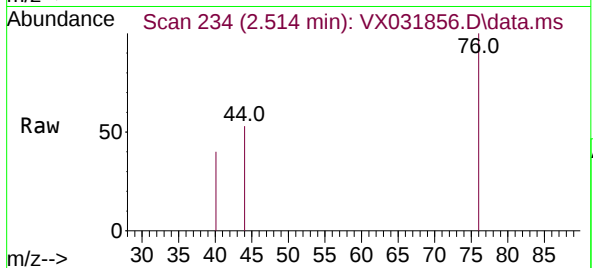
ClientSampleId :

Tgt Ion: 76 Resp: 536

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.656 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX031856.D

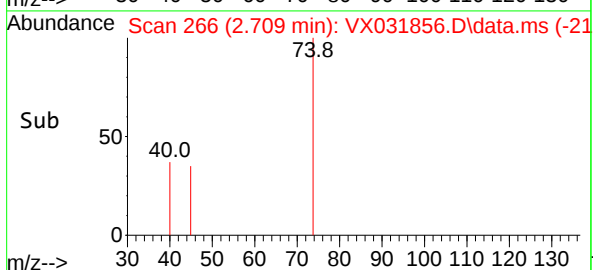
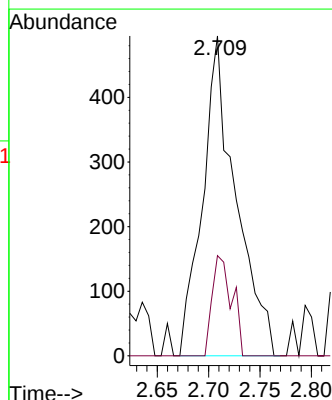
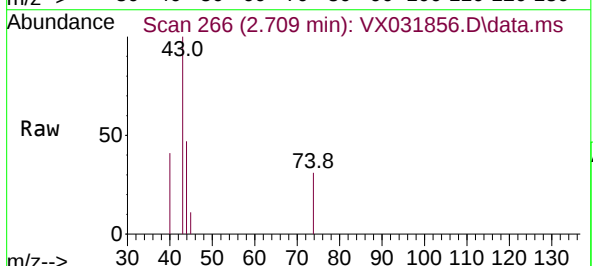
Acq: 04 Oct 2022 00:03

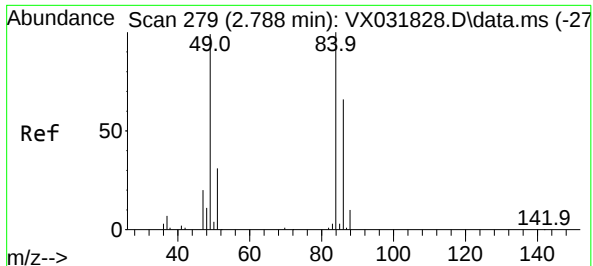
Tgt Ion: 43 Resp: 1114

Ion Ratio Lower Upper

43 100

74 18.5 18.6 27.8#





#20

Methylene Chloride

Concen: 5.927 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

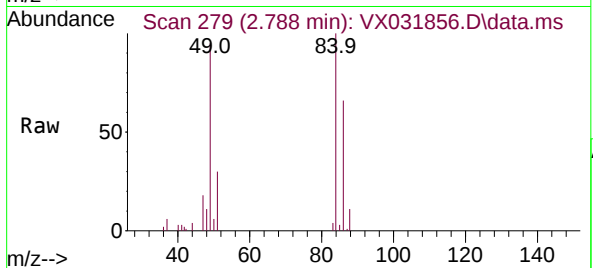
Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 9412

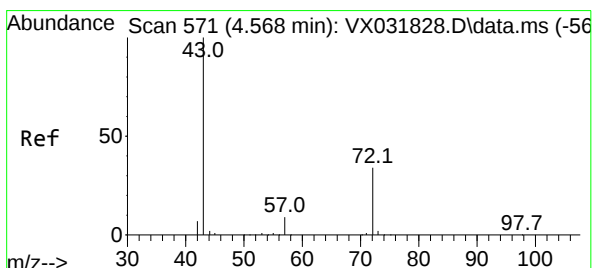
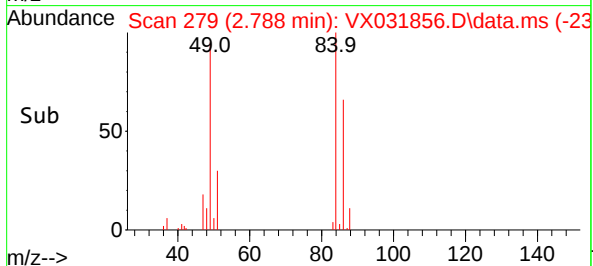
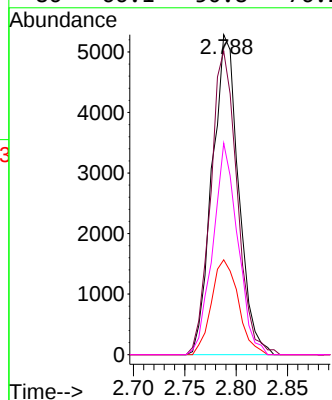
Ion Ratio Lower Upper

84 100

49 94.8 105.9 158.9#

51 29.7 32.2 48.2#

86 66.1 50.8 76.2



#25

2-Butanone

Concen: 1.645 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX031856.D

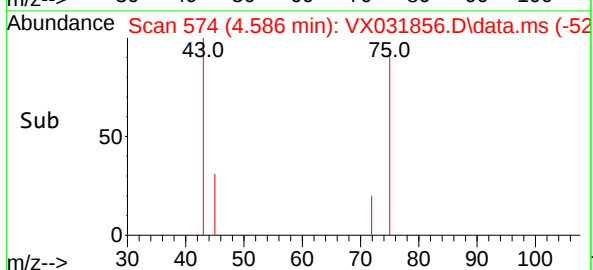
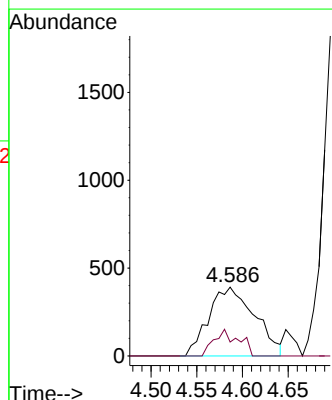
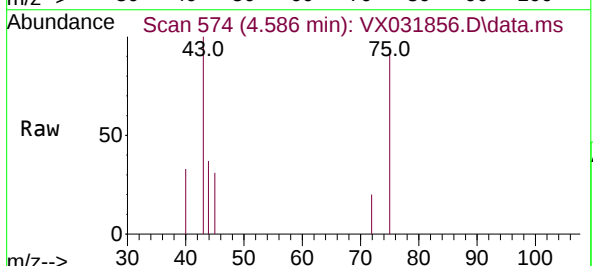
Acq: 04 Oct 2022 00:03

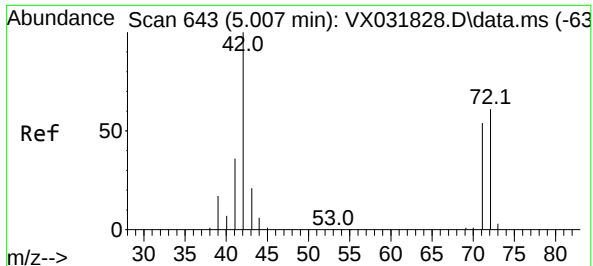
Tgt Ion: 43 Resp: 1370

Ion Ratio Lower Upper

43 100

72 20.2 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.472 ug/l

RT: 5.031 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX031856.D

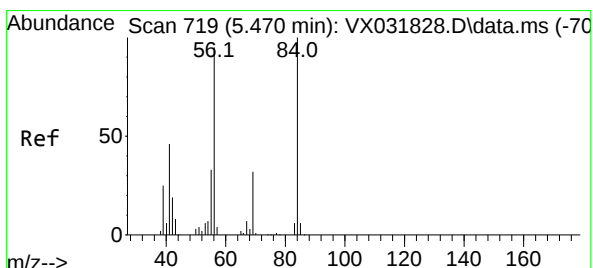
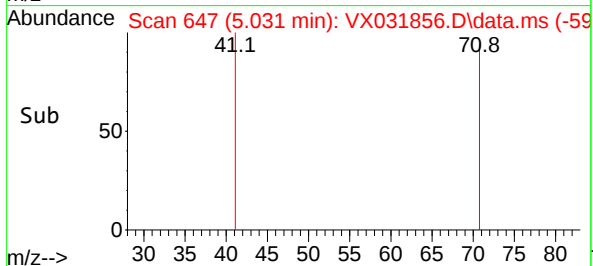
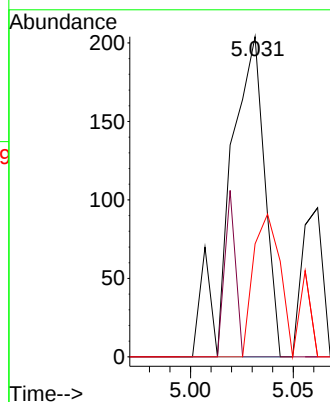
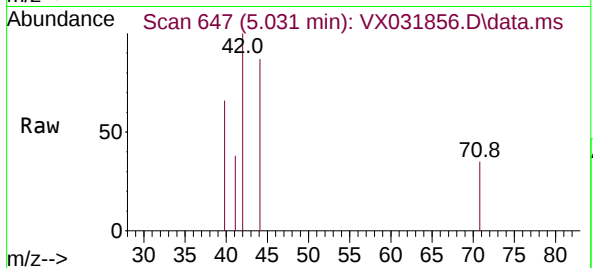
Acq: 04 Oct 2022 00:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	243
Ion	Ratio	Lower	Upper
42	100		
72	16.0	36.4	54.6#
71	42.0	33.5	50.3



#31

Cyclohexane

Concen: 0.709 ug/l

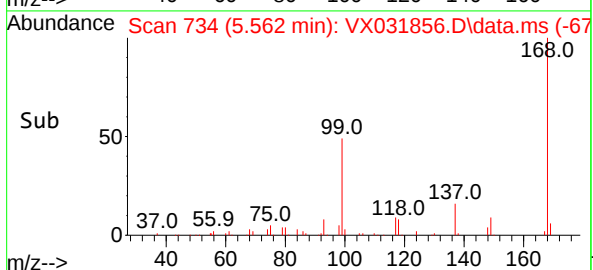
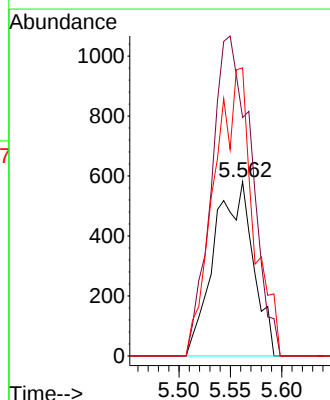
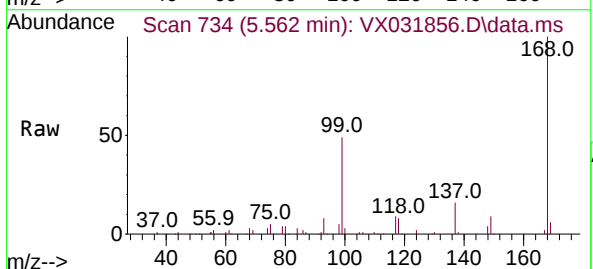
RT: 5.562 min Scan# 734

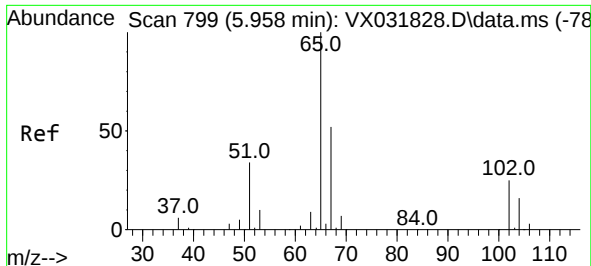
Delta R.T. 0.092 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Tgt Ion:	56	Resp:	1532
Ion	Ratio	Lower	Upper
56	100		
69	136.8	25.1	37.7#
84	165.4	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 46.338 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Instrument :

MSVOA_X

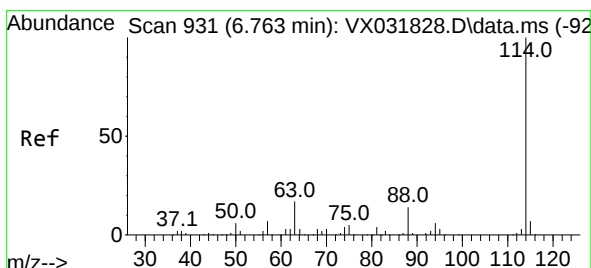
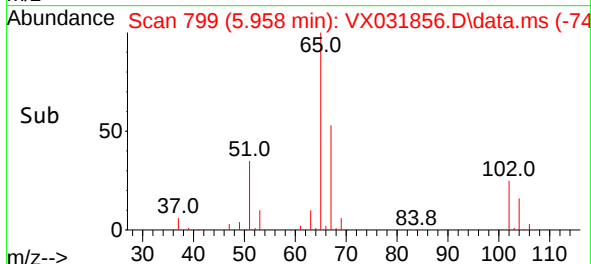
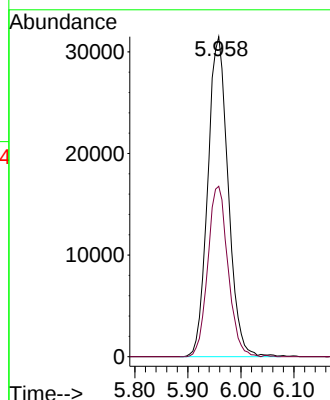
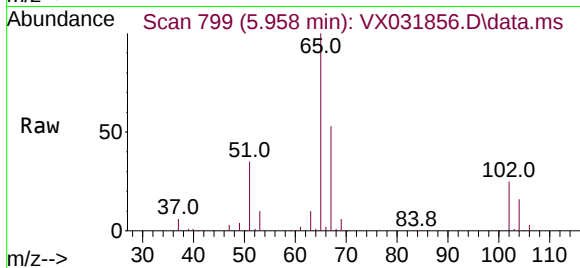
ClientSampleId :

Tgt Ion: 65 Resp: 84115

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: VX031856.D

Acq: 04 Oct 2022 00:03

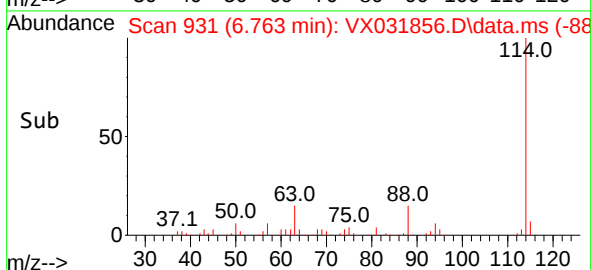
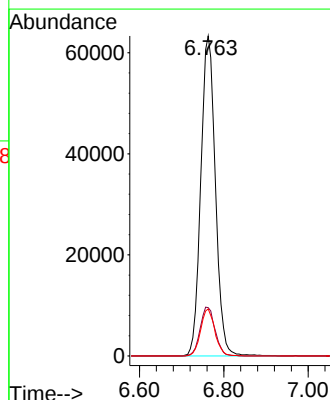
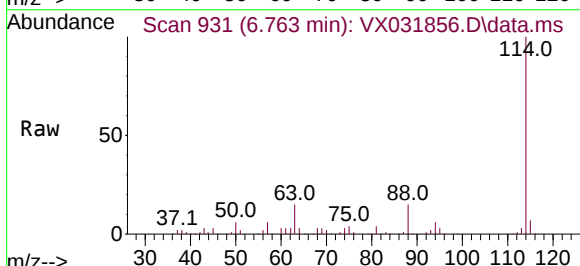
Tgt Ion: 114 Resp: 152847

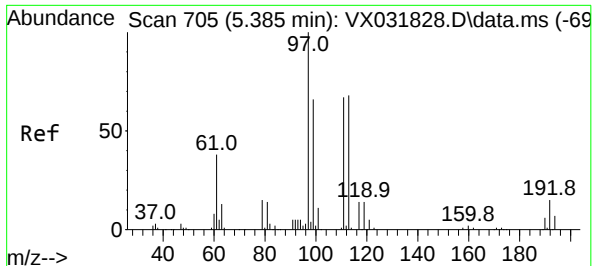
Ion Ratio Lower Upper

114 100

63 15.1 0.0 42.6

88 14.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 45.928 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

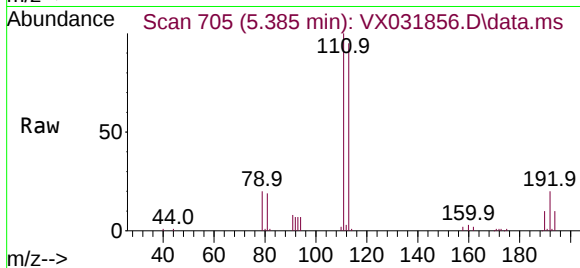
Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

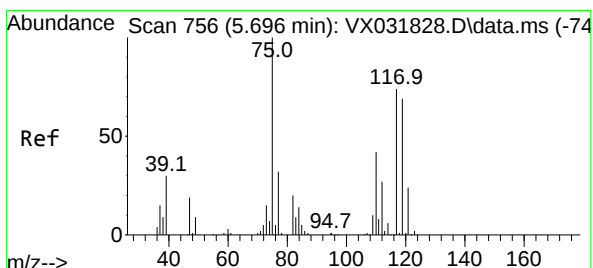
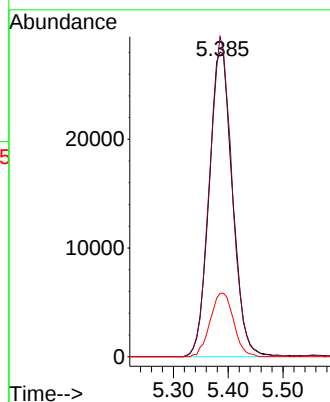
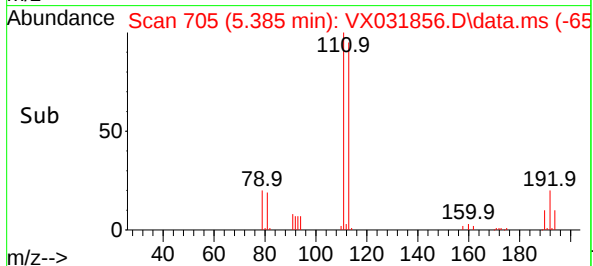
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	83405
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.4	123.6
192	20.8	14.1	21.1



#36

1,1-Dichloropropene

Concen: 2.908 ug/l

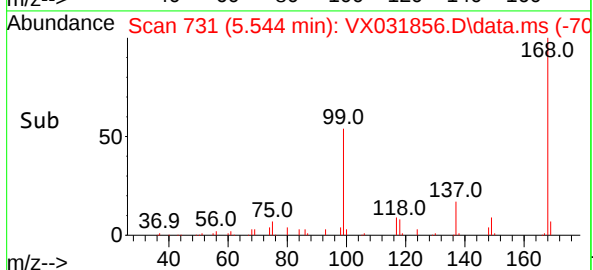
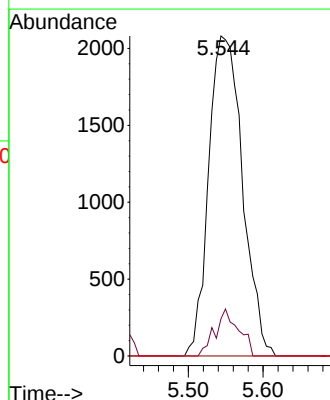
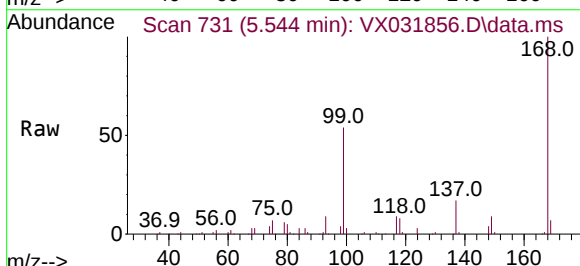
RT: 5.544 min Scan# 731

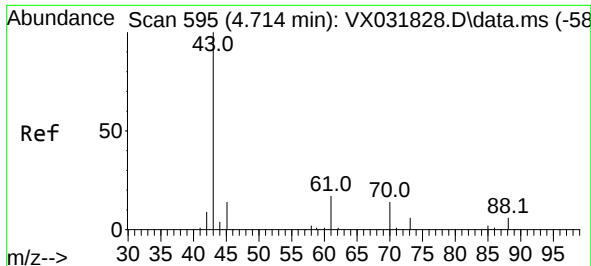
Delta R.T. -0.152 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Tgt Ion:	75	Resp:	6547
Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.5	52.5#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 7.449 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.013 min

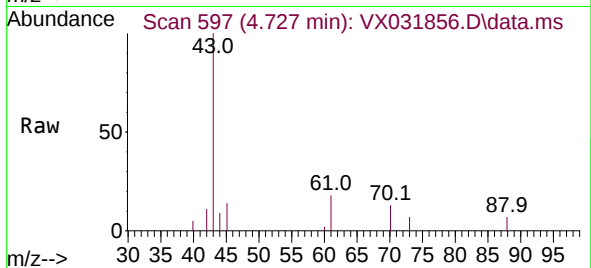
Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

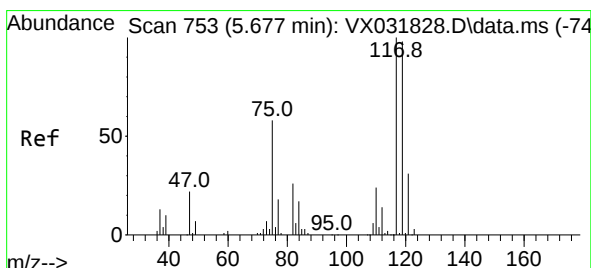
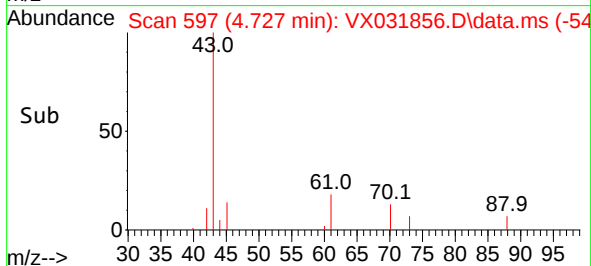
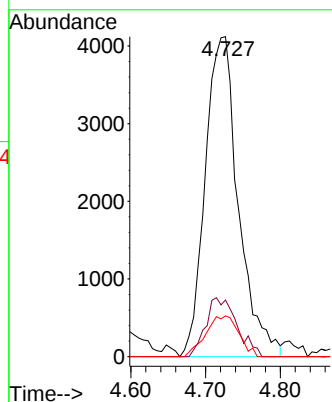
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	12696
Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.1	16.7#
70	12.7	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.495 ug/l

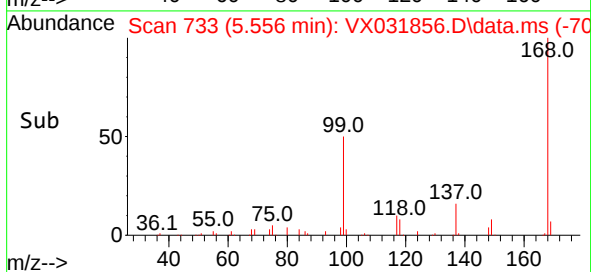
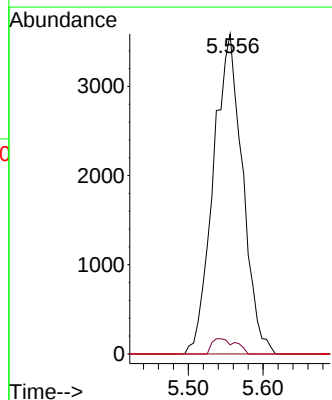
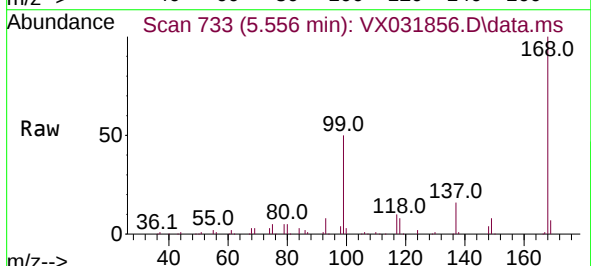
RT: 5.556 min Scan# 733

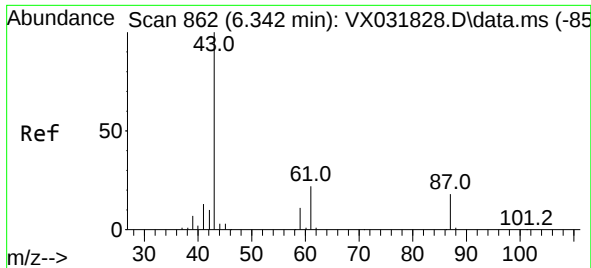
Delta R.T. -0.122 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Tgt Ion:	117	Resp:	9769
Ion	Ratio	Lower	Upper
117	100		
119	2.8	74.6	112.0#
121	0.0	25.3	37.9#

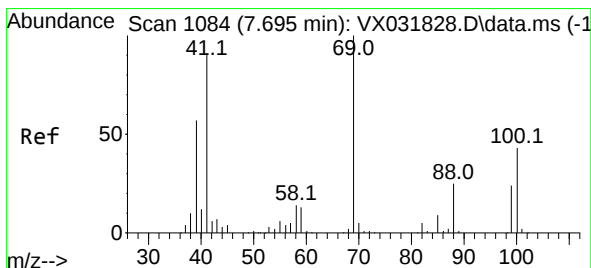
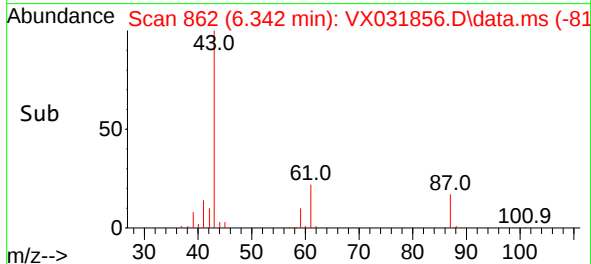
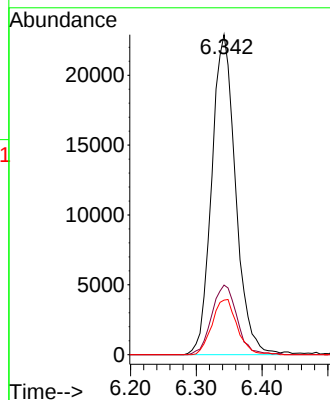
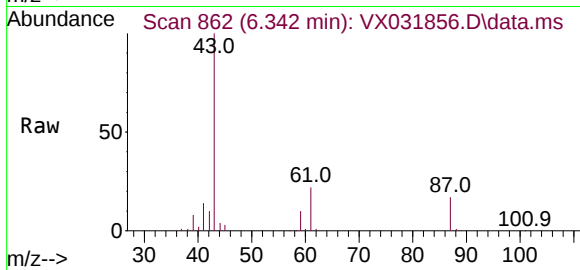




#43
Isopropyl Acetate
Concen: 20.994 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

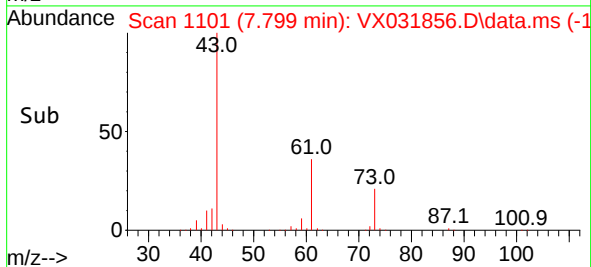
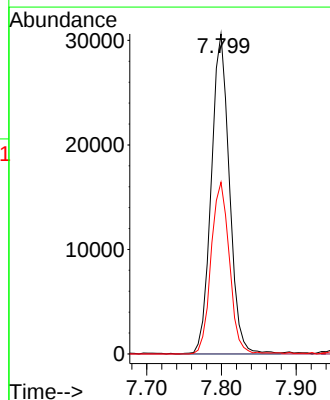
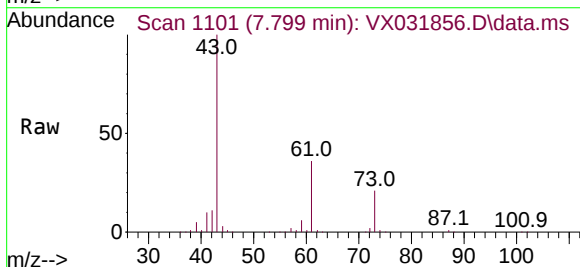
Instrument :
MSVOA_X
ClientSampleId :

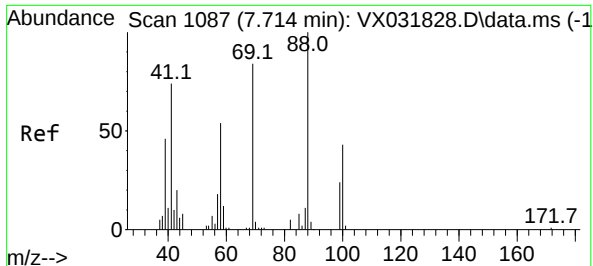
Tgt Ion: 43 Resp: 57859
Ion Ratio Lower Upper
43 100
61 23.1 15.3 22.9#
87 18.2 10.6 15.8#



#48
Methyl methacrylate
Concen: 41.970 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

Tgt Ion: 41 Resp: 51760
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 54.1 51.4 77.0





#49

1,4-Dioxane

Concen: 1.976 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.085 min

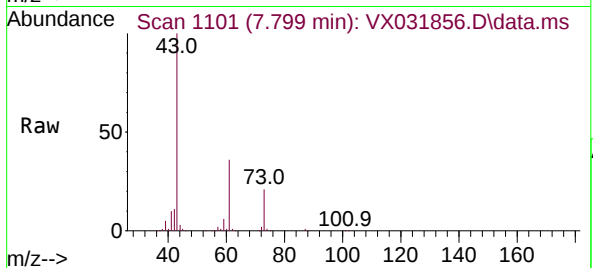
Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Instrument :

MSVOA_X

ClientSampleId :



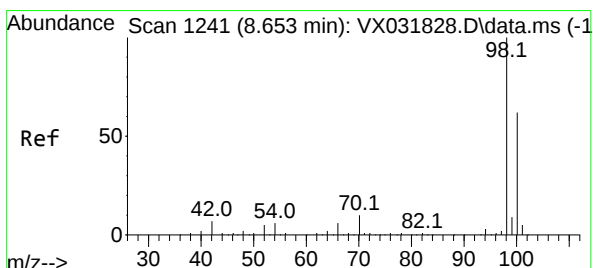
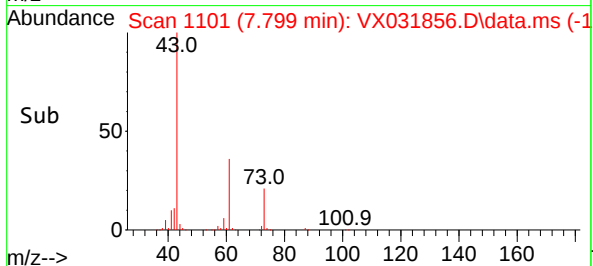
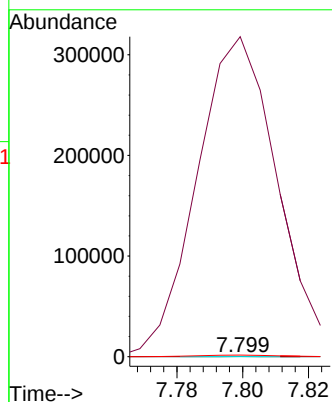
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 691767.1 27.1 40.7#

58 3492.4 53.9 80.9#



#50

Toluene-d8

Concen: 46.898 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031856.D

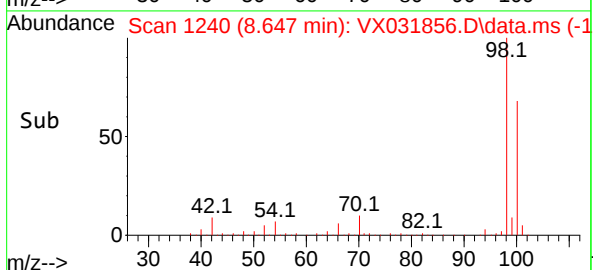
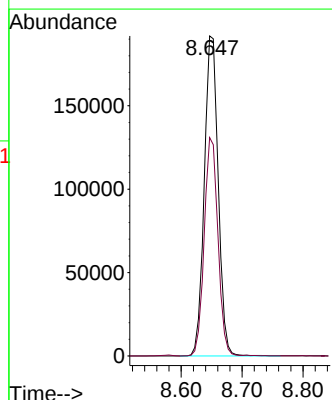
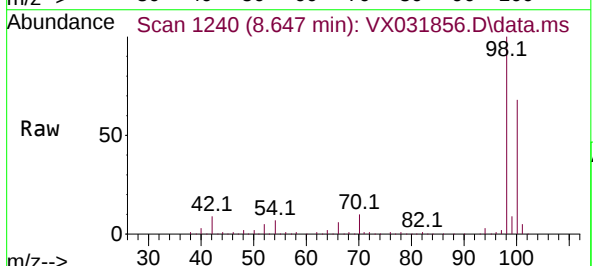
Acq: 04 Oct 2022 00:03

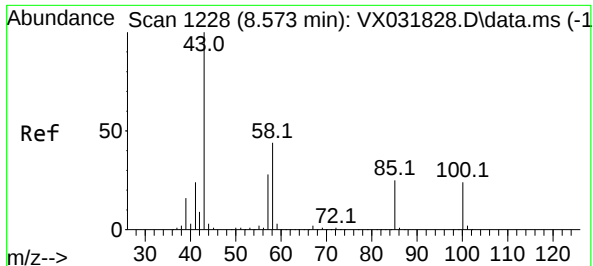
Tgt Ion: 98 Resp: 304669

Ion Ratio Lower Upper

98 100

100 67.2 52.5 78.7

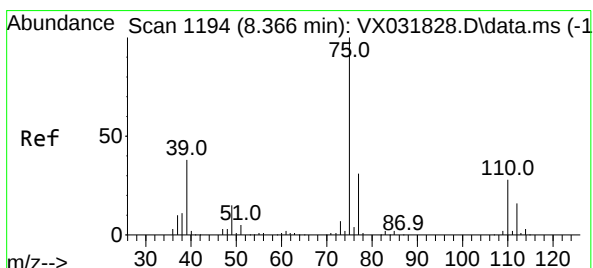
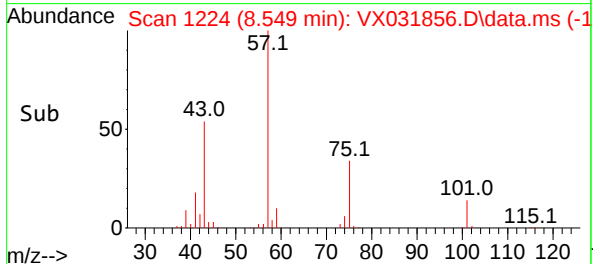
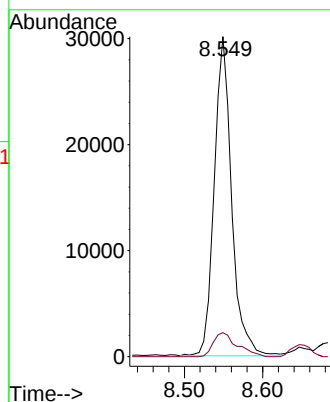
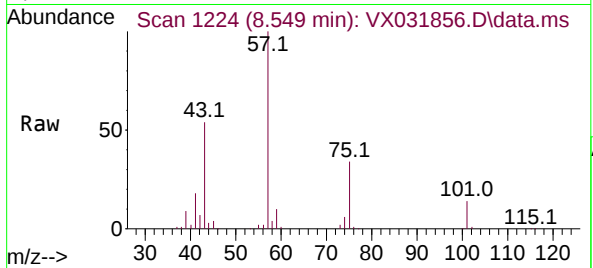




#51
4-Methyl-2-Pentanone
Concen: 26.838 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

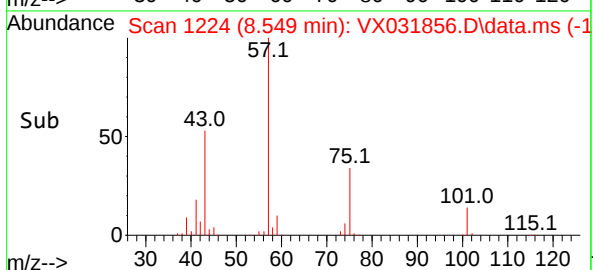
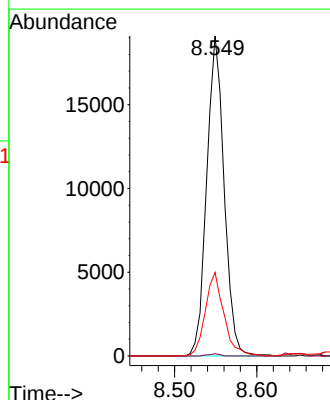
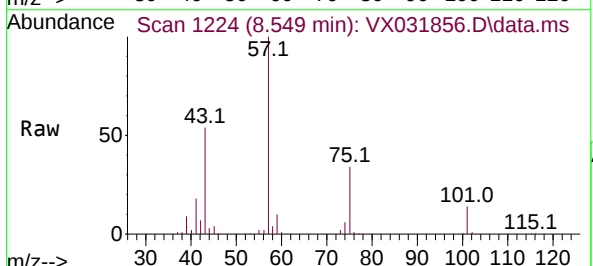
Instrument :
MSVOA_X
ClientSampleId :

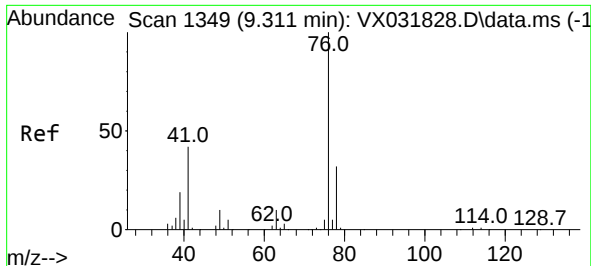
Tgt Ion: 43 Resp: 46428
Ion Ratio Lower Upper
43 100
58 10.3 30.6 46.0#



#54
cis-1,3-Dichloropropene
Concen: 10.584 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

Tgt Ion: 75 Resp: 28115
Ion Ratio Lower Upper
75 100
77 0.7 24.4 36.6#
39 26.1 43.7 65.5#





#57

1,3-Dichloropropane

Concen: 1.292 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Instrument :

MSVOA_X

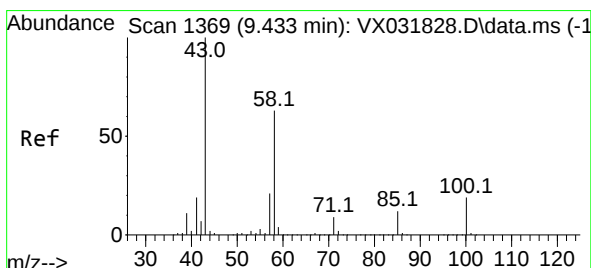
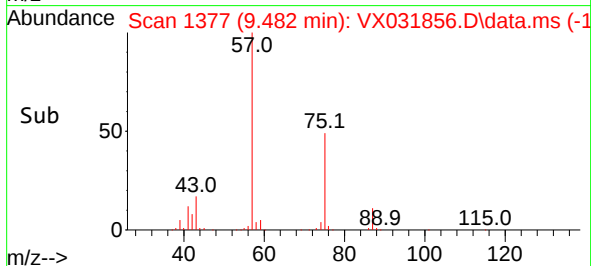
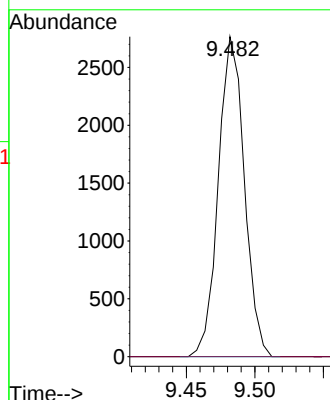
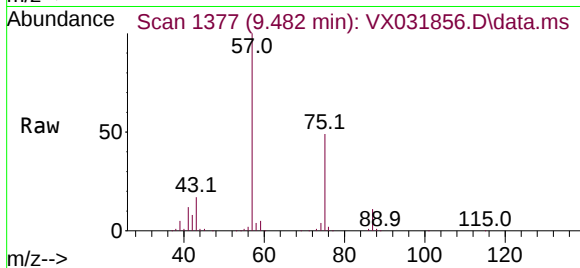
ClientSampleId :

Tgt Ion: 76 Resp: 3647

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 29.438 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031856.D

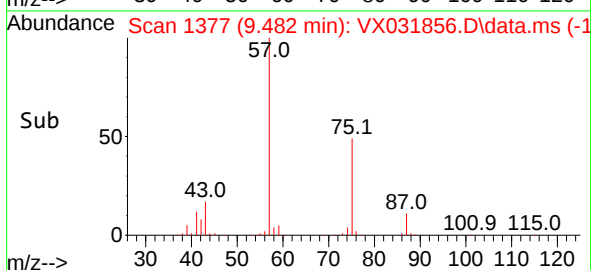
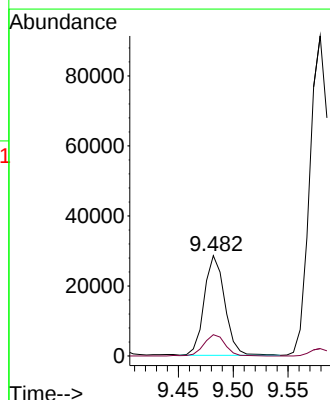
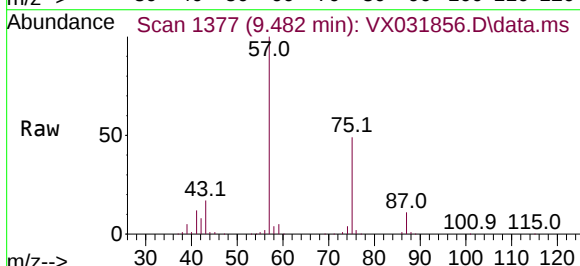
Acq: 04 Oct 2022 00:03

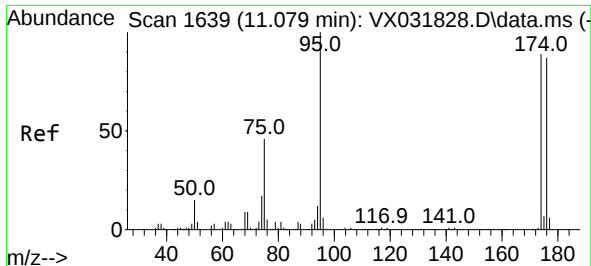
Tgt Ion: 43 Resp: 37022

Ion Ratio Lower Upper

43 100

58 22.5 26.7 80.0#

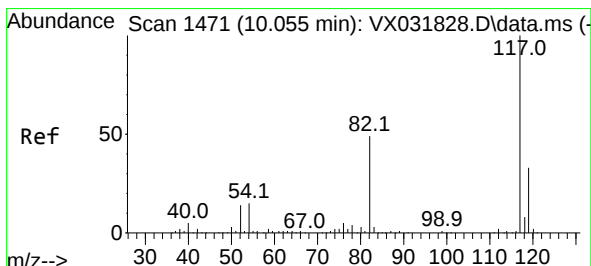
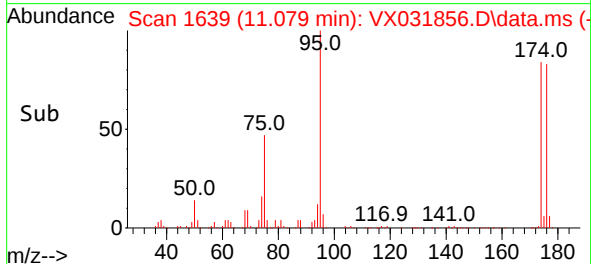
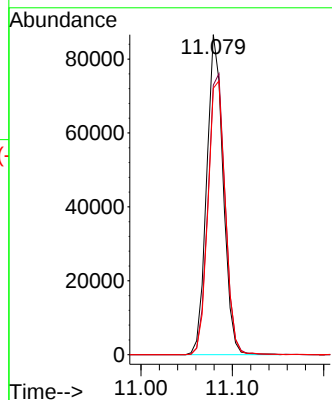
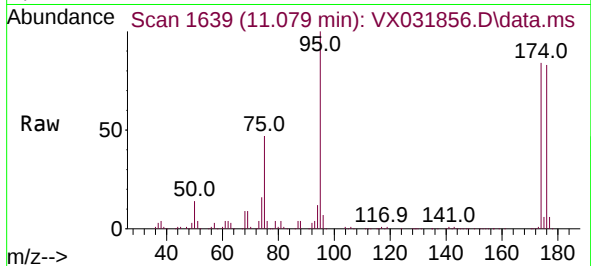




#62
4-Bromofluorobenzene
Concen: 46.160 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

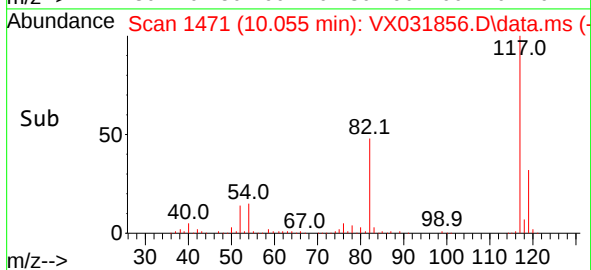
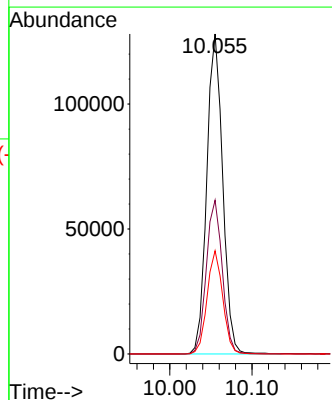
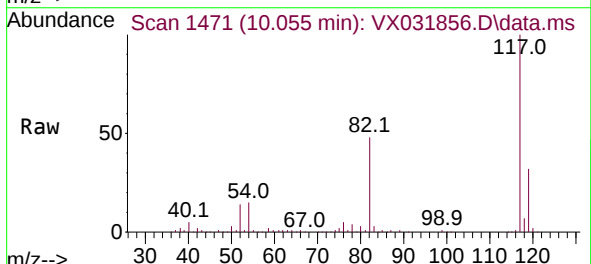
Instrument :
MSVOA_X
ClientSampleId :

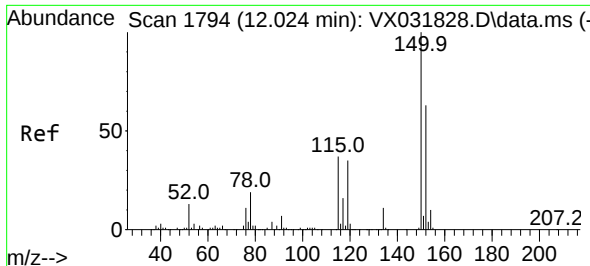
Tgt Ion: 95 Resp: 107987
Ion Ratio Lower Upper
95 100
174 91.9 0.0 153.2
176 90.0 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

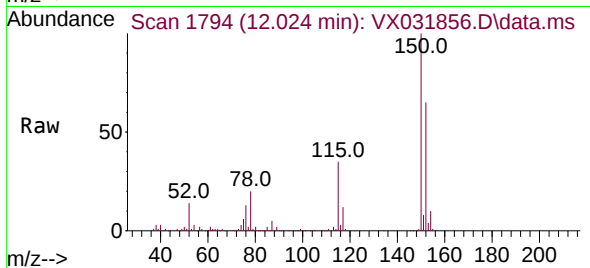
Tgt Ion: 117 Resp: 172202
Ion Ratio Lower Upper
117 100
82 48.1 46.8 70.2
119 32.2 26.4 39.6



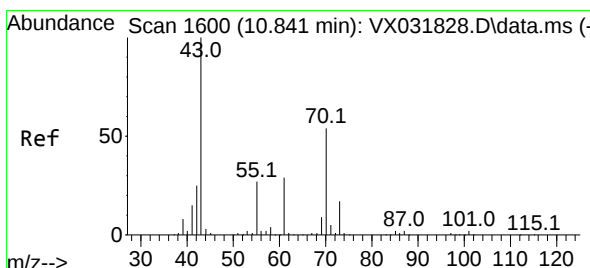
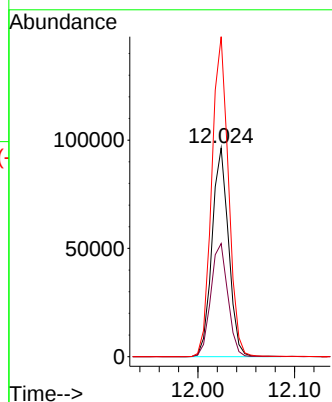
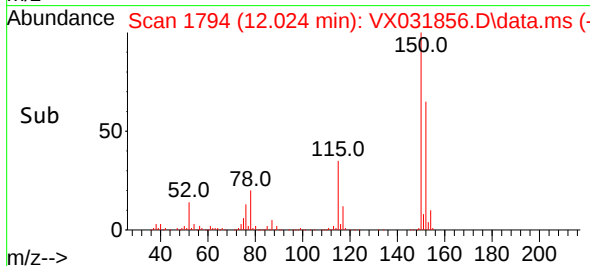


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

Instrument :
MSVOA_X
ClientSampleId :

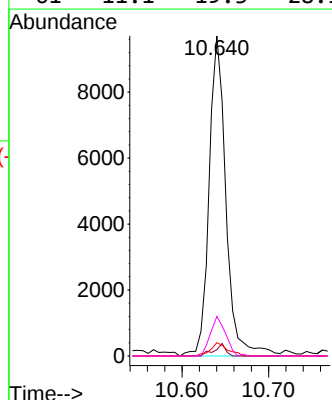
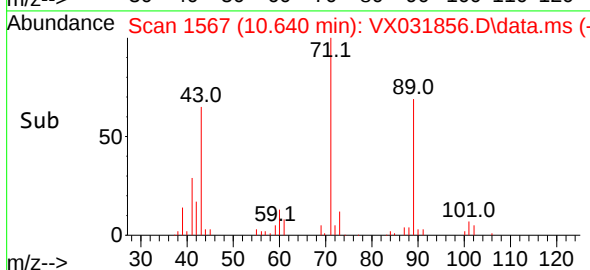
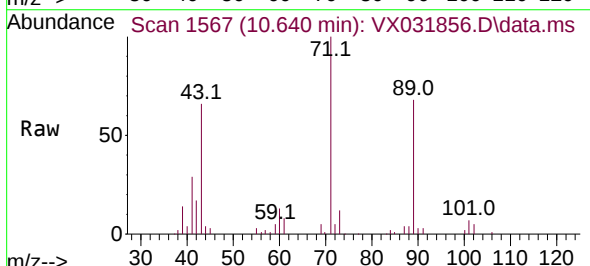


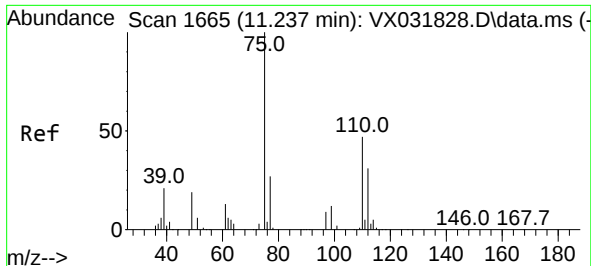
Tgt Ion:152 Resp: 114743
Ion Ratio Lower Upper
152 100
115 55.8 43.4 130.1
150 155.1 0.0 346.8



#74
N-ethyl acetate
Concen: 6.930 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

Tgt Ion: 43 Resp: 13154
Ion Ratio Lower Upper
43 100
70 2.6 33.4 50.2#
55 4.2 18.2 27.2#
61 11.1 19.3 28.9#

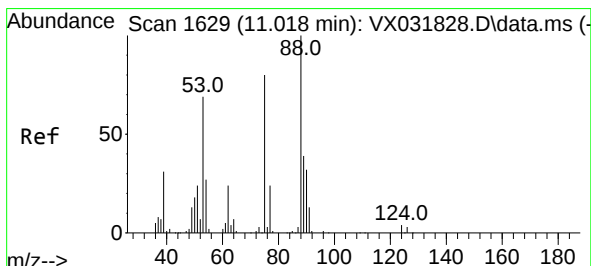
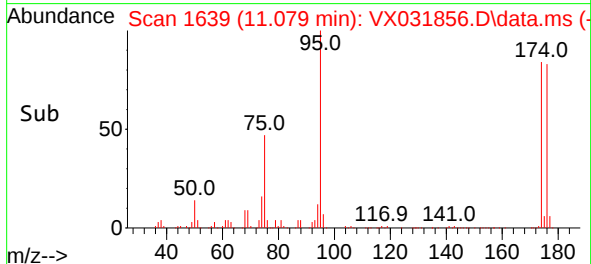
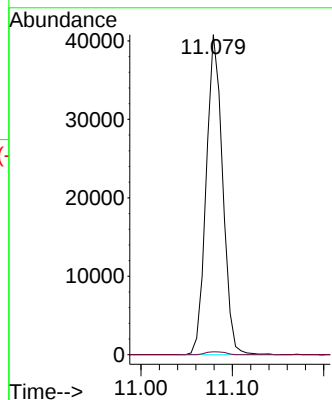
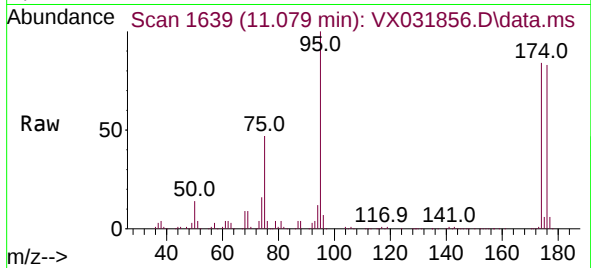




#76
1,2,3-Trichloropropane
Concen: 24.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

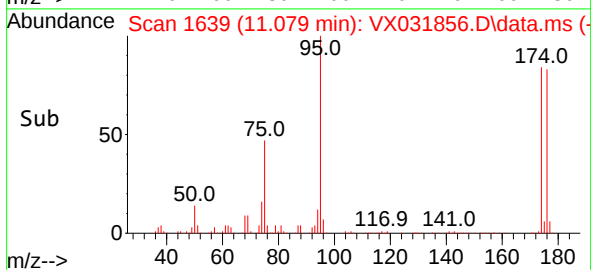
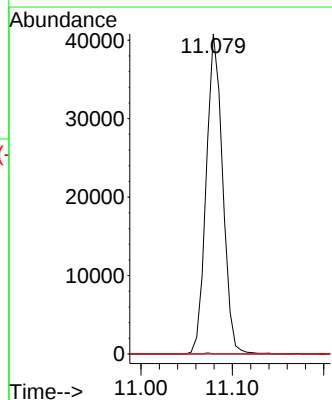
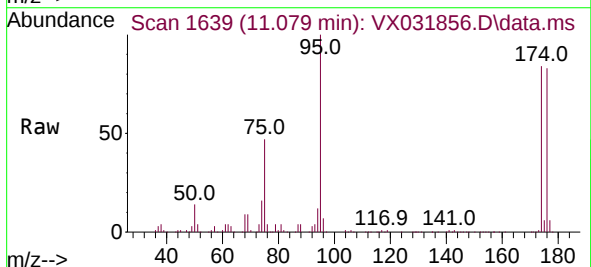
Instrument :
MSVOA_X
ClientSampleId :

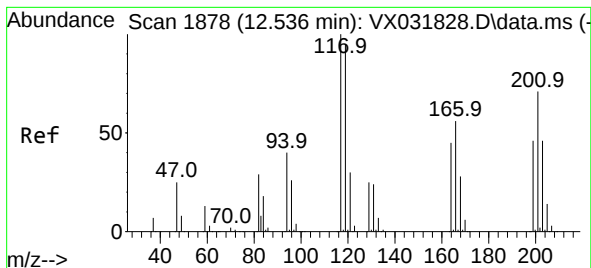
Tgt Ion: 75 Resp: 50721
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.405 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

Tgt Ion: 75 Resp: 50721
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 37.4 56.0#





#90

Hexachloroethane

Concen: 0.212 ug/l

RT: 12.420 min Scan# 117

Delta R.T. -0.122 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

Instrument :

MSVOA_X

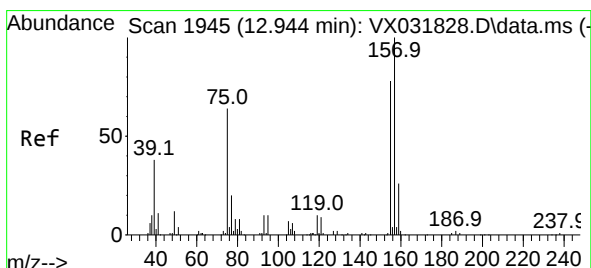
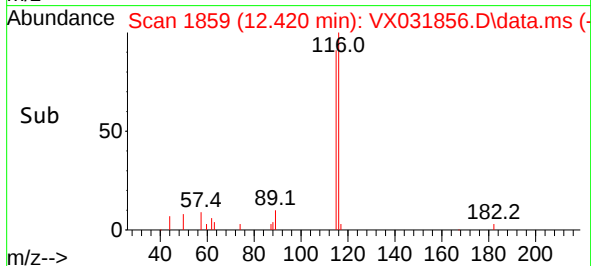
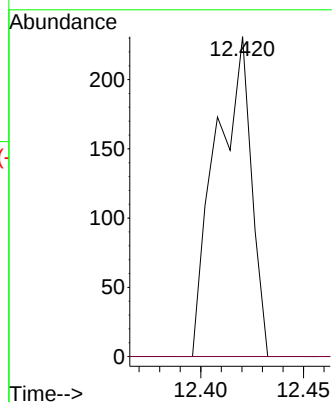
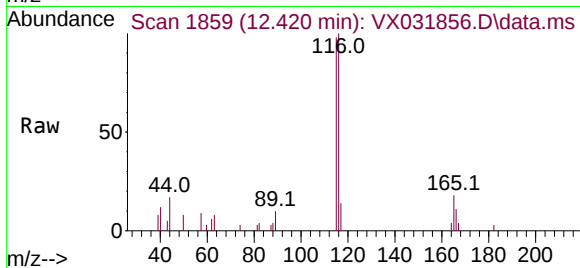
ClientSampleId :

Tgt Ion:117 Resp: 275

Ion Ratio Lower Upper

117 100

201 0.0 34.8 104.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.859 ug/l

RT: 12.859 min Scan# 1931

Delta R.T. -0.086 min

Lab File: VX031856.D

Acq: 04 Oct 2022 00:03

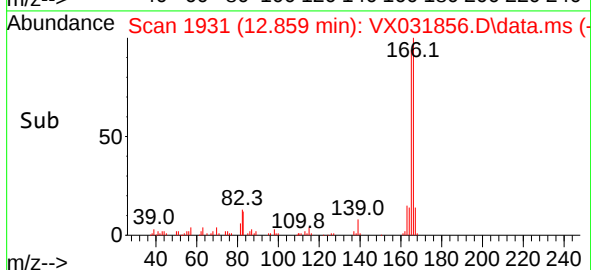
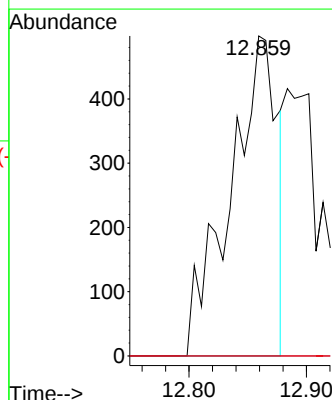
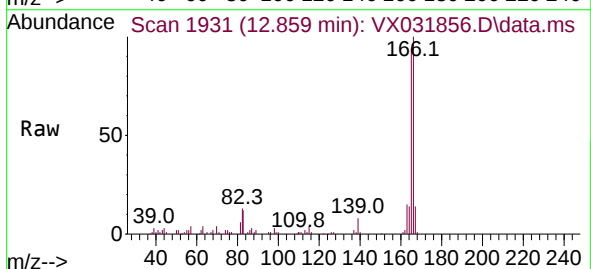
Tgt Ion: 75 Resp: 1387

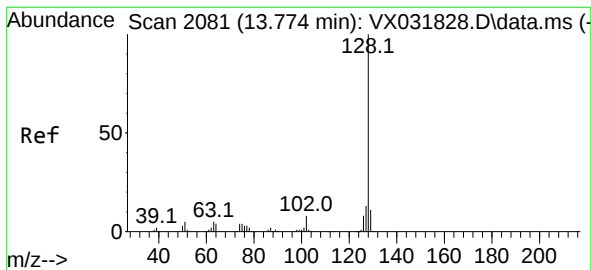
Ion Ratio Lower Upper

75 100

155 0.0 40.3 120.8#

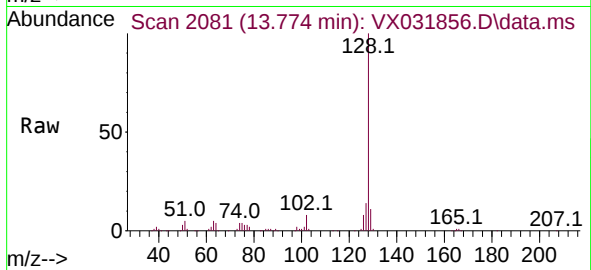
157 0.0 51.5 154.5#





#95
Naphthalene
Concen: 7.198 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031856.D
Acq: 04 Oct 2022 00:03

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	55435
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	11.2	8.8	13.2

