

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044639.D
 Acq On : 09 Jan 2025 02:03
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 02:29:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 09 02:10:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	28095	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	149667	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146901	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	93691	30.459	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.533%
60) 4-Bromofluorobenzene	11.079	95	76093	27.745	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.500%
63) Toluene-d8	8.647	98	223454	27.205	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	90.667%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	835	0.329	ug/l	78
3) Chloromethane	1.295	50	986	0.387	ug/l	97
4) Vinyl Chloride	1.374	62	1084	0.452	ug/l #	72
5) Bromomethane	1.599	94	901	0.745	ug/l #	66
6) Chloroethane	1.666	64	513	0.382	ug/l	90
7) Trichlorofluoromethane	1.880	101	1131	0.307	ug/l #	80
8) Diethyl Ether	2.136	74	286	0.202	ug/l	58
9) 1,1,2-Trichlorotrifluo...	2.319	101	735	0.371	ug/l	75
10) 1,1-Dichloroethene	2.313	96	854	0.438	ug/l	92
11) Methyl Iodide	2.441	142	1471	0.540	ug/l	88
12) Methyl Acetate	2.697	43	1063	0.387	ug/l #	80
13) Acrolein	2.233	56	933	1.849	ug/l	88
14) Acrylonitrile	3.069	53	1462	1.415	ug/l #	35
15) Acetone	2.374	58	739	2.814	ug/l	75
16) Carbon Disulfide	2.508	76	7583	1.776	ug/l	97
17) Allyl chloride	2.660	41	1581	0.471	ug/l	79
18) Methylene Chloride	2.794	84	1212	0.537	ug/l #	67
19) trans-1,2-Dichloroethene	3.087	96	2127	1.067	ug/l #	93
22) cis-1,2-Dichloroethene	4.495	96	1115	0.454	ug/l #	47
23) tert-Butyl Alcohol	2.934	59	6337	16.206	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	657	0.244	ug/l #	69
30) 2-Butanone	4.587	43	865	0.618	ug/l #	79
33) Carbon Tetrachloride	5.666	117	678	0.224	ug/l #	64
37) Trichloroethene	7.117	130	503	0.239	ug/l #	1
40) Dibromomethane	7.586	93	1045	0.638	ug/l	73
41) Bromodichloromethane	7.830	83	882	0.287	ug/l #	69
42) Vinyl Acetate	3.733	43	4376	0.743	ug/l #	81
43) Ethyl Acetate	4.629	43	667	0.229	ug/l	97
45) 1,4-Dioxane	7.702	88	170	5.007	ug/l	95
47) n-amyl Acetate	10.860	43	1497	0.381	ug/l #	89
48) t-1,3-Dichloropropene	9.000	75	1386	0.465	ug/l	94
50) 1,1,2-Trichloroethane	9.147	97	427	0.206	ug/l #	42
52) 1,3-Dichloropropane	9.311	76	951	0.267	ug/l	97
53) Dibromochloromethane	9.519	129	591	0.274	ug/l	90
54) 1,2-Dibromoethane	9.616	107	991	0.464	ug/l	82
55) 2-Chloroethyl vinyl ether	8.257	63	3098	1.982	ug/l	98
56) Bromoform	10.805	173	390	0.293	ug/l #	75
58) 4-Methyl-2-Pentanone	8.580	43	3252	1.085	ug/l	95
61) Tetrachloroethene	9.269	164	1222	0.648	ug/l #	72

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 MSVOA_X
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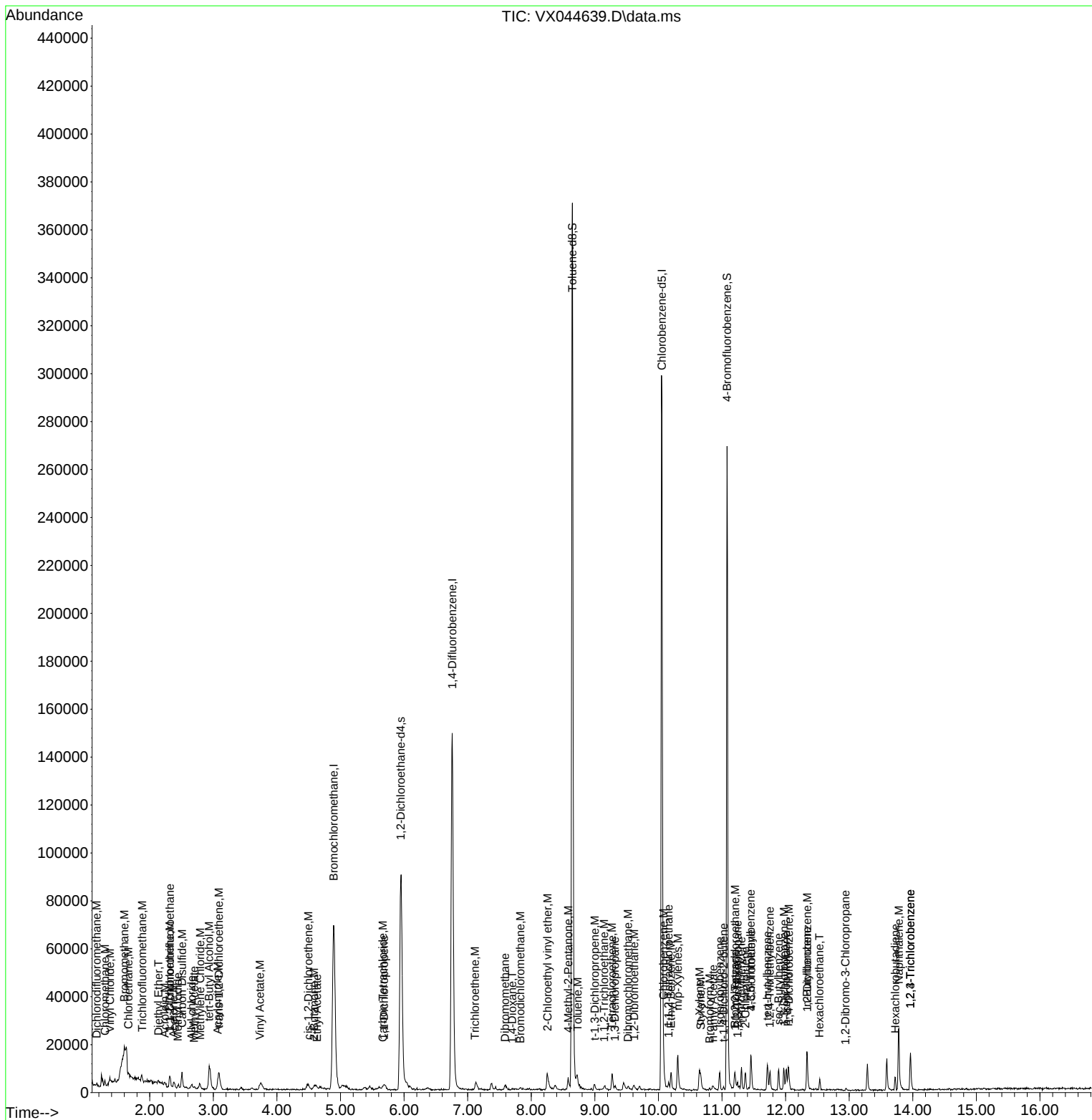
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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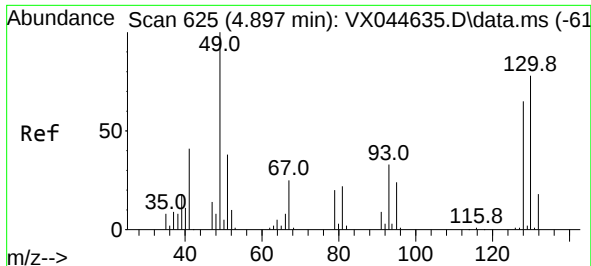
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

62) Toluene	8.726	91	3860	0.399	ug/l	100
64) Chlorobenzene	10.080	112	3738	0.623	ug/l #	87
65) 1,1,1,2-Tetrachloroethane	10.159	131	474	0.233	ug/l	82
66) Ethyl Benzene	10.195	91	4575	0.440	ug/l	97
67) m/p-Xylenes	10.305	106	4002	1.024	ug/l	98
68) o-Xylene	10.647	106	1972	0.517	ug/l	93
69) Styrene	10.665	104	3368	0.532	ug/l	96
70) Isopropylbenzene	10.964	105	4213	0.428	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.207	83	1041	0.340	ug/l #	84
72) 1,2,3-Trichloropropane	11.244	75	1283	0.481	ug/l	78
73) Bromobenzene	11.201	156	1637	0.708	ug/l	86
74) n-propylbenzene	11.305	91	6182	0.555	ug/l	100
75) 2-Chlorotoluene	11.366	91	4618	0.659	ug/l	92
76) 1,3,5-Trimethylbenzene	11.451	105	3897	0.477	ug/l	93
77) t-1,4-Dichloro-2-butene	11.025	75	220	0.259	ug/l #	70
78) 4-Chlorotoluene	11.457	91	5414	0.696	ug/l	97
79) tert-butylbenzene	11.713	119	4123	0.514	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	4059	0.504	ug/l	94
81) sec-Butylbenzene	11.890	105	5694	0.586	ug/l	96
82) p-Isopropyltoluene	12.006	119	4594	0.569	ug/l	97
83) 1,3-Dichlorobenzene	11.976	146	3156	0.755	ug/l	92
84) 1,4-Dichlorobenzene	12.049	146	4402	1.052	ug/l	92
85) n-Butylbenzene	12.335	91	4548	0.662	ug/l	93
86) Hexachloroethane	12.530	117	504	0.396	ug/l	98
87) 1,2-Dichlorobenzene	12.341	146	3167	0.742	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	12.939	75	202	0.343	ug/l #	6
89) 1,2,4-Trichlorobenzene	13.963	180	4265	1.742	ug/l	95
90) Hexachlorobutadiene	13.725	225	791	0.798	ug/l	90
91) Naphthalene	13.780	128	19006	2.294	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	4265	1.696	ug/l	96

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

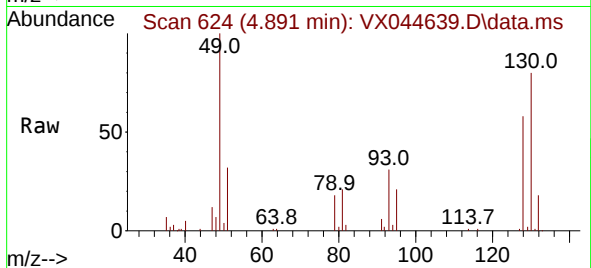
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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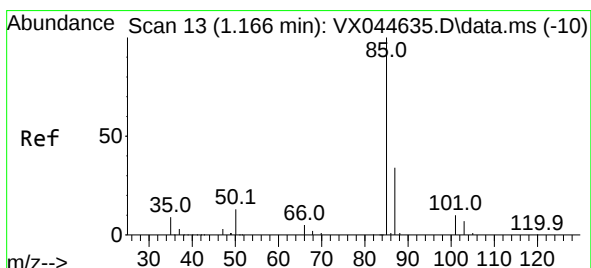
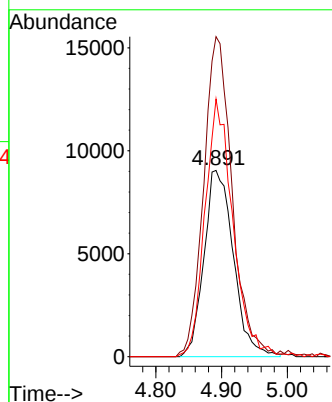
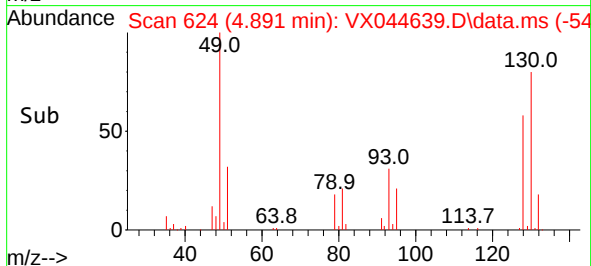


#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.891 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VX044639.D
 Acq: 09 Jan 2025 02:03

Instrument :
 MSVOA_X
 ClientSampleId :

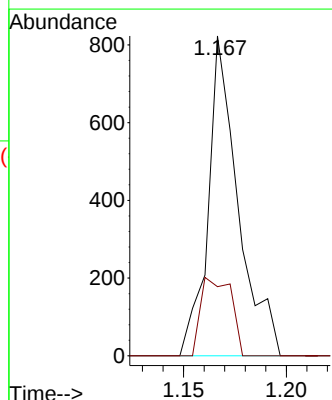
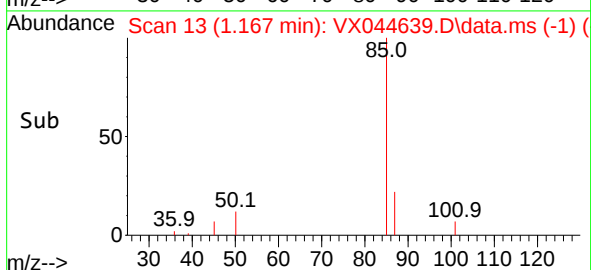
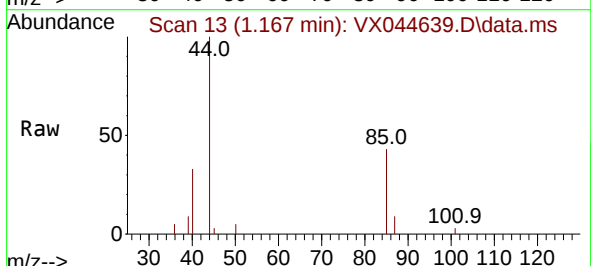


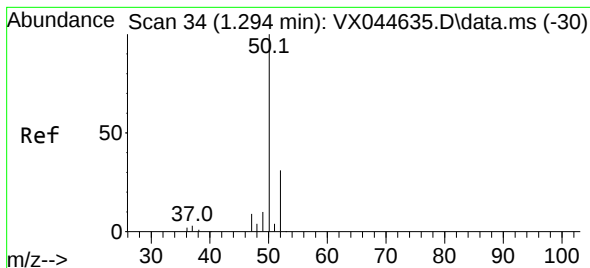
Tgt Ion:	128	Resp:	28095
Ion	Ratio	Lower	Upper
128	100		
49	166.3	0.0	425.8
130	129.3	0.0	319.8



#2
 Dichlorodifluoromethane
 Concen: 0.329 ug/l
 RT: 1.167 min Scan# 13
 Delta R.T. 0.000 min
 Lab File: VX044639.D
 Acq: 09 Jan 2025 02:03

Tgt Ion:	85	Resp:	835
Ion	Ratio	Lower	Upper
85	100		
87	21.6	17.0	51.0





#3

Chloromethane

Concen: 0.387 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

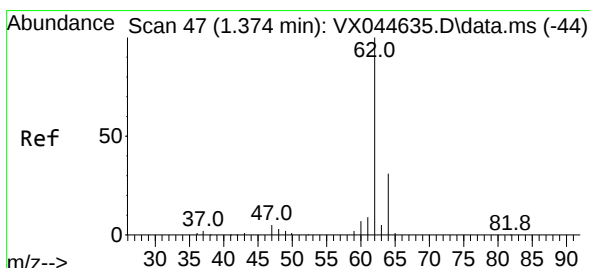
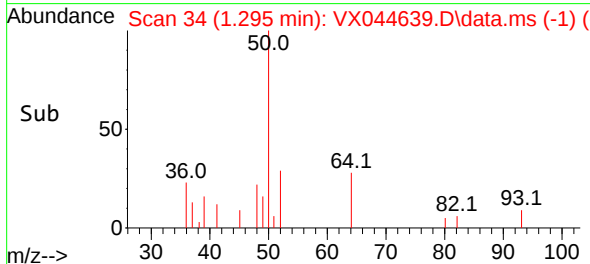
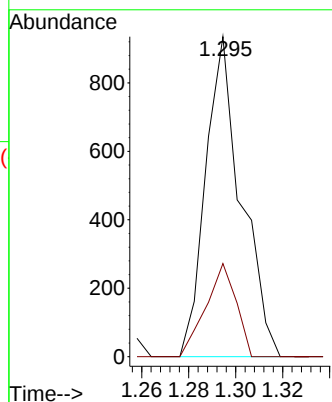
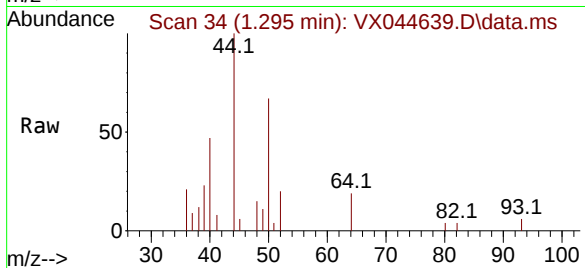
ClientSampleId :

Tgt Ion: 50 Resp: 986

Ion Ratio Lower Upper

50 100

52 29.1 24.5 36.7



#4

Vinyl Chloride

Concen: 0.452 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044639.D

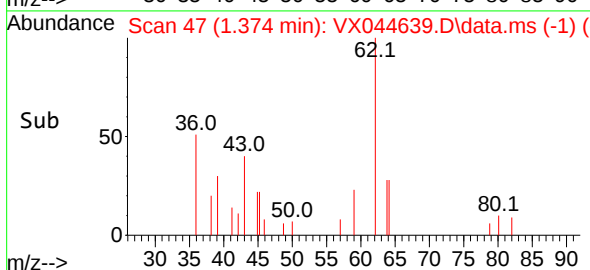
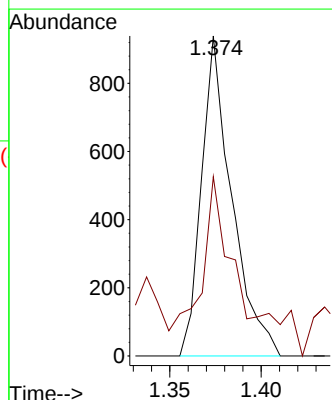
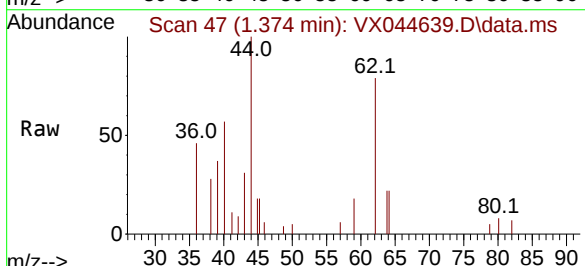
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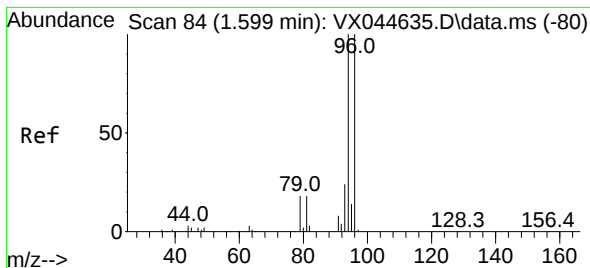
Tgt Ion: 62 Resp: 1084

Ion Ratio Lower Upper

62 100

64 46.2 24.7 37.1#





#5

Bromomethane

Concen: 0.745 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

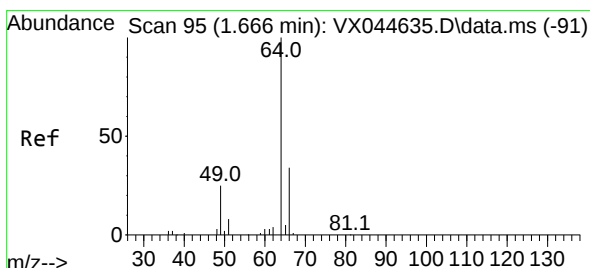
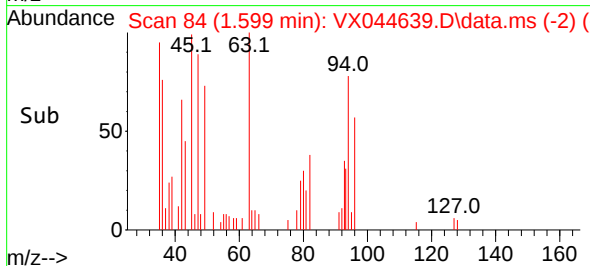
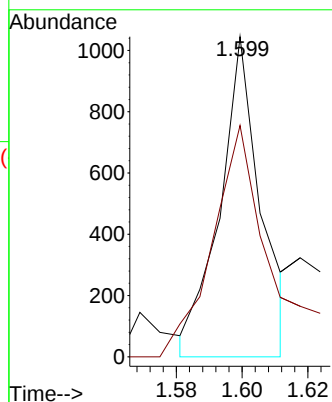
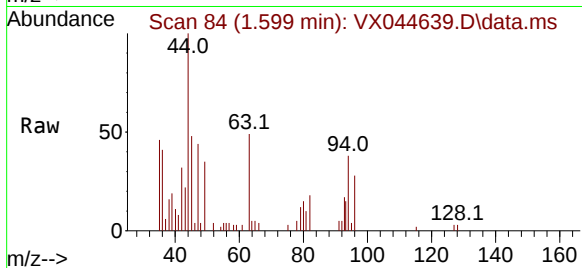
ClientSampleId :

Tgt Ion: 94 Resp: 901

Ion Ratio Lower Upper

94 100

96 66.4 79.9 119.9#



#6

Chloroethane

Concen: 0.382 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.000 min

Lab File: VX044639.D

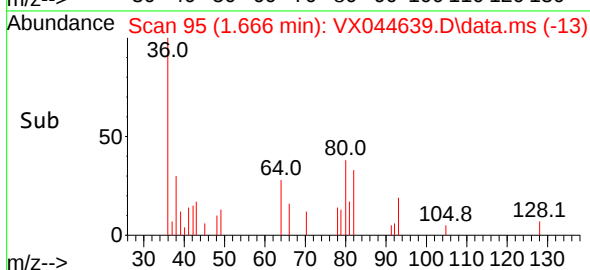
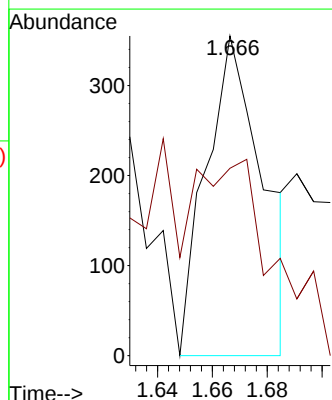
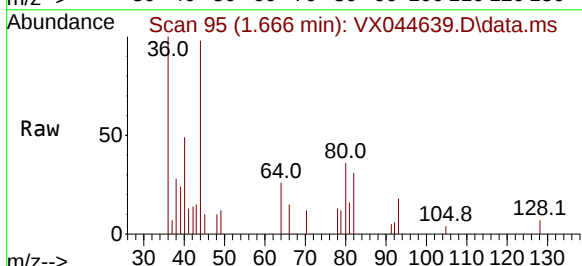
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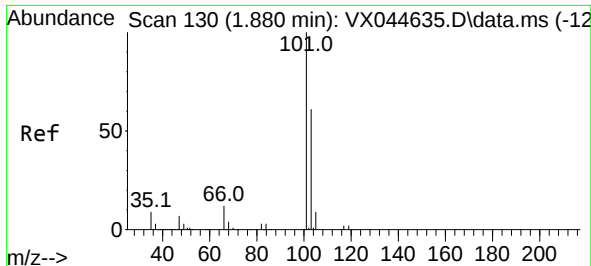
Tgt Ion: 64 Resp: 513

Ion Ratio Lower Upper

64 100

66 28.2 26.9 40.3

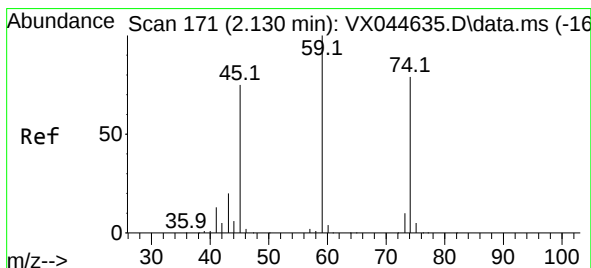
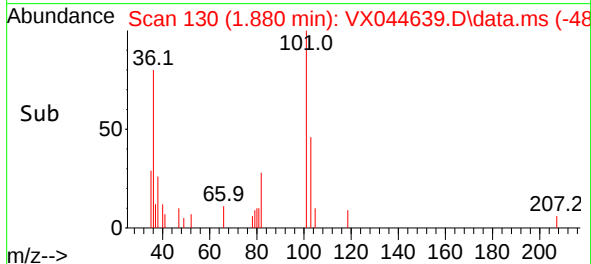
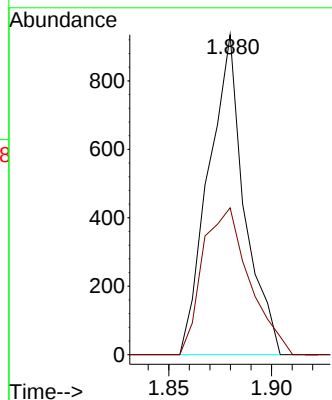
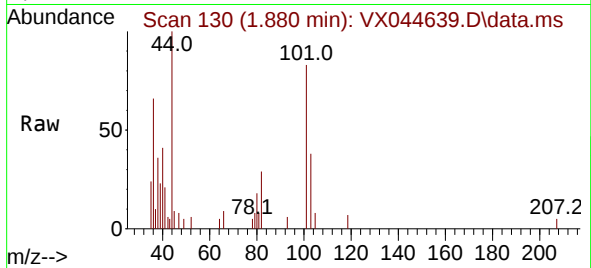




#7
Trichlorofluoromethane
Concen: 0.307 ug/l
RT: 1.880 min Scan# 111
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

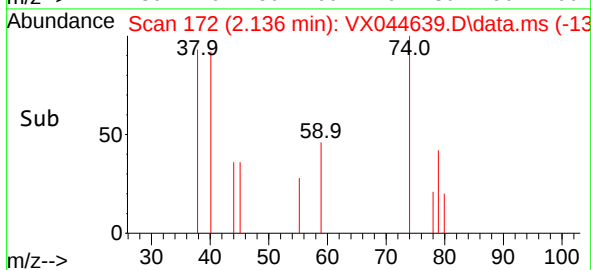
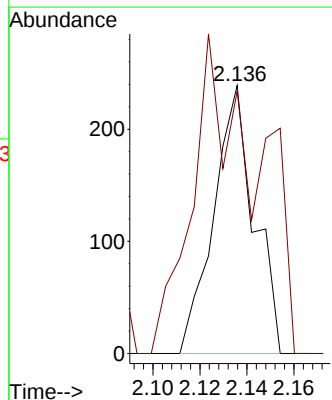
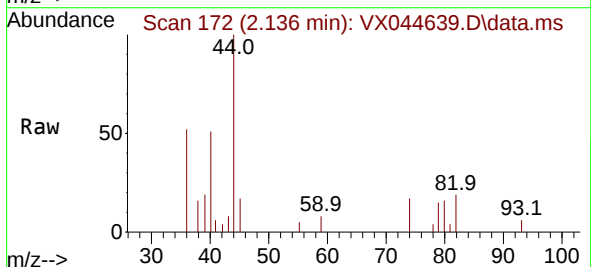
Instrument :
MSVOA_X
ClientSampleId :

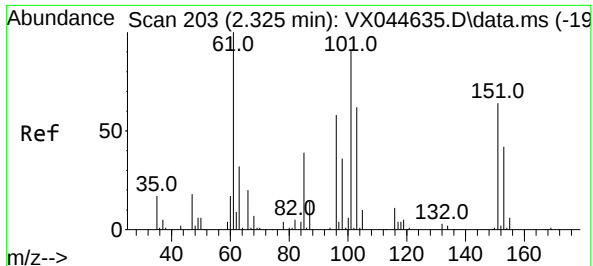
Tgt Ion:101 Resp: 1131
Ion Ratio Lower Upper
101 100
103 45.9 49.2 73.8#



#8
Diethyl Ether
Concen: 0.202 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 74 Resp: 286
Ion Ratio Lower Upper
74 100
45 138.1 19.4 174.6

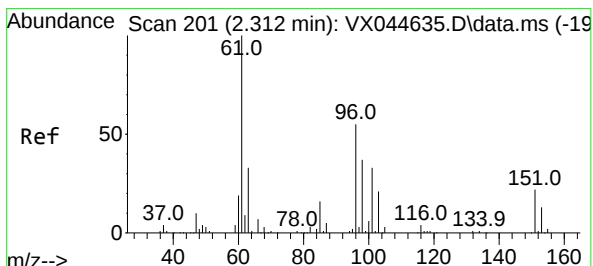
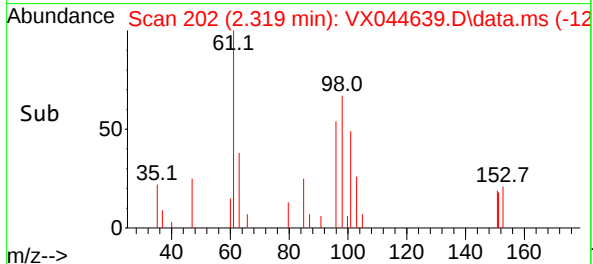
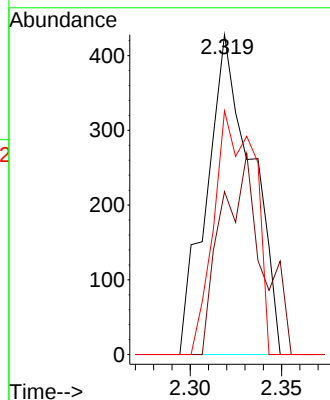
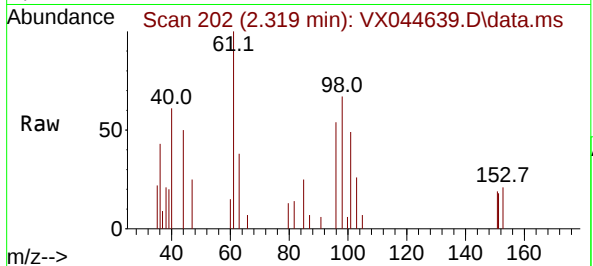




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.371 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

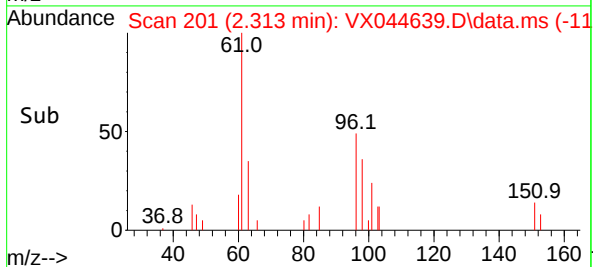
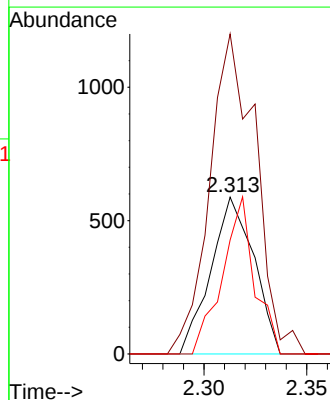
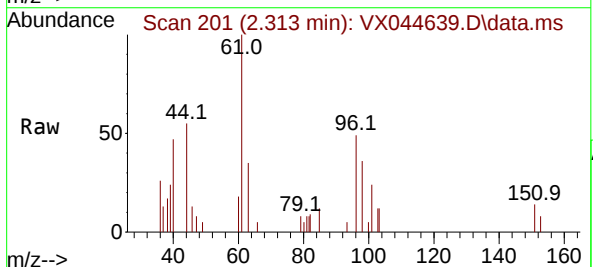
Instrument :
MSVOA_X
ClientSampleId :

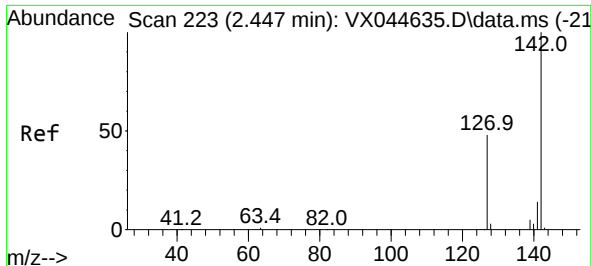
Tgt Ion:101 Resp: 735
Ion Ratio Lower Upper
101 100
85 50.5 0.0 93.4
151 41.2 0.0 146.2



#10
1,1-Dichloroethene
Concen: 0.438 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

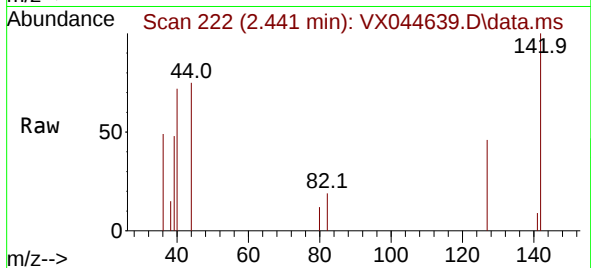
Tgt Ion: 96 Resp: 854
Ion Ratio Lower Upper
96 100
61 195.1 146.0 219.0
98 72.6 54.6 81.8



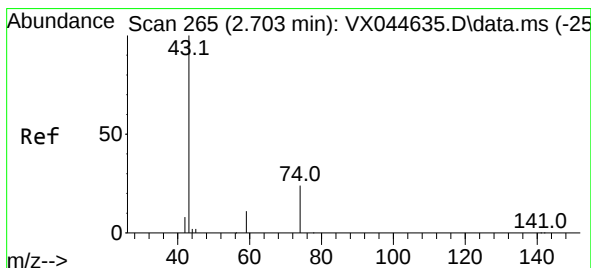
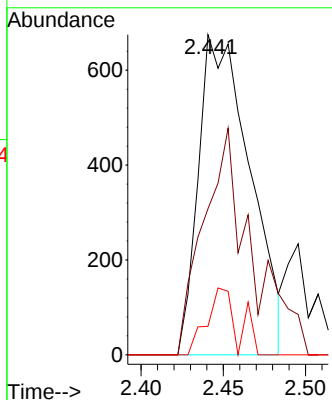
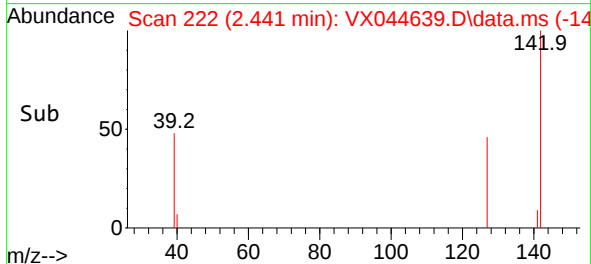


#11
Methyl Iodide
Concen: 0.540 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Instrument :
MSVOA_X
ClientSampleId :

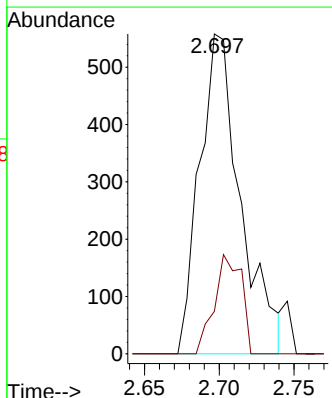
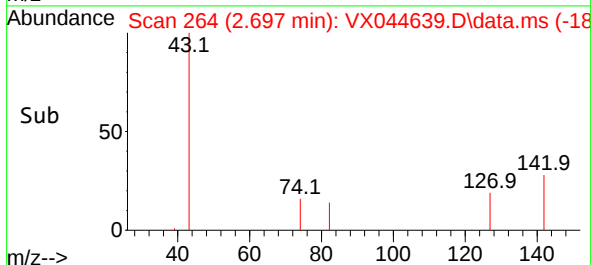
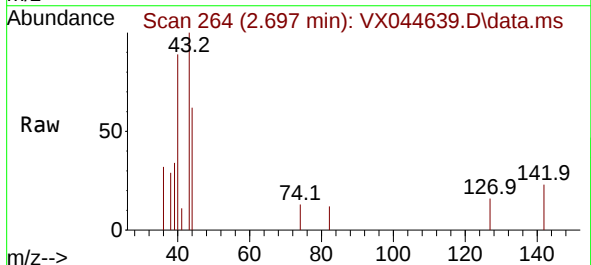


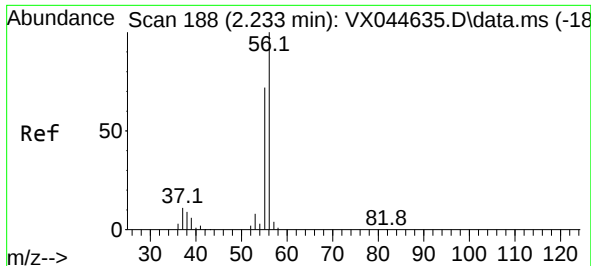
Tgt Ion:142 Resp: 1471
Ion Ratio Lower Upper
142 100
127 39.8 24.1 72.2
141 9.8 7.0 20.9



#12
Methyl Acetate
Concen: 0.387 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
74 14.2 19.4 29.0#

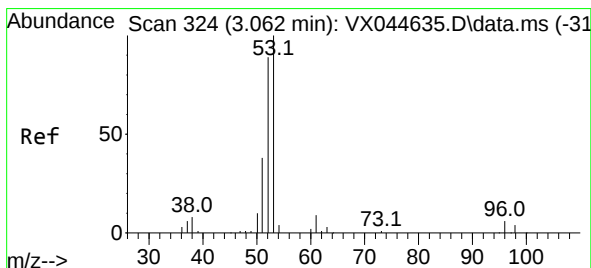
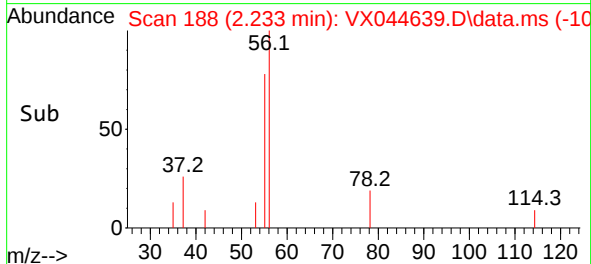
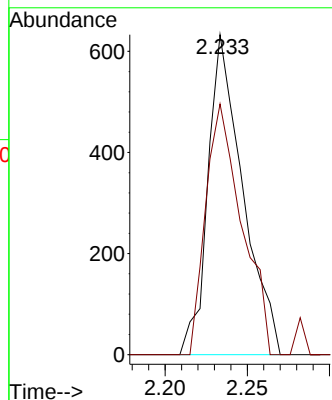
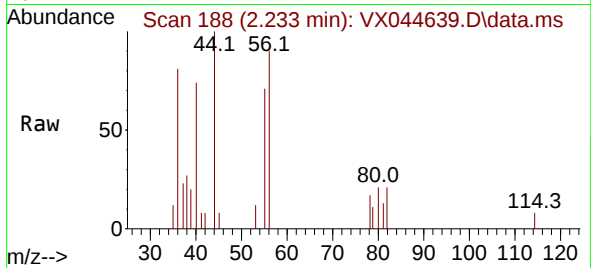




#13
Acrolein
Concen: 1.849 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

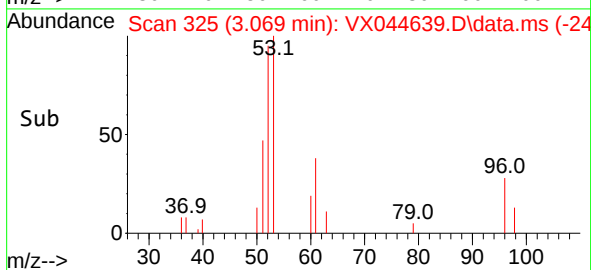
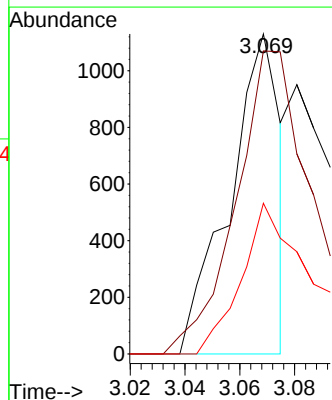
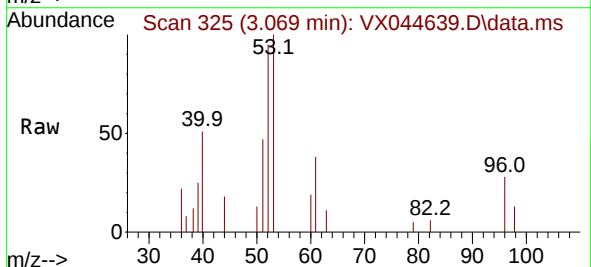
Instrument :
MSVOA_X
ClientSampleId :

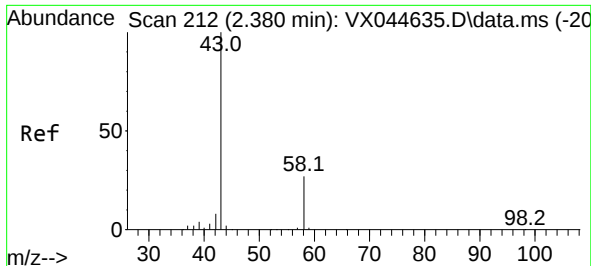
Tgt Ion: 56 Resp: 933
Ion Ratio Lower Upper
56 100
55 81.1 56.7 85.1



#14
Acrylonitrile
Concen: 1.415 ug/l
RT: 3.069 min Scan# 325
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 53 Resp: 1462
Ion Ratio Lower Upper
53 100
52 145.1 41.5 124.6#
51 70.0 18.4 55.4#





#15

Acetone

Concen: 2.814 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

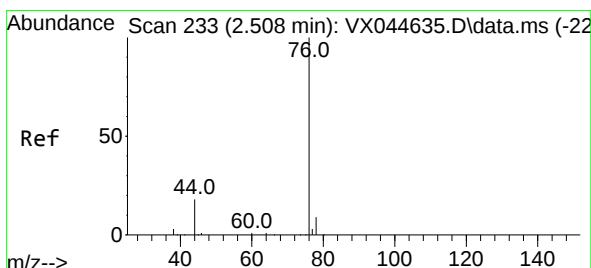
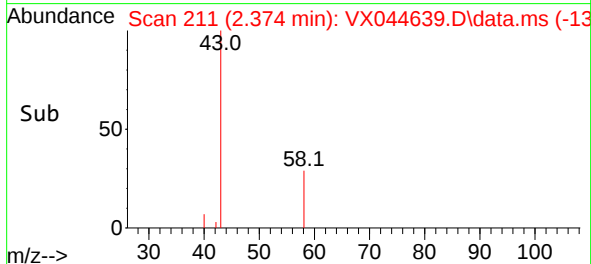
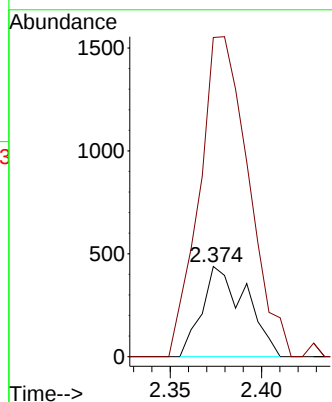
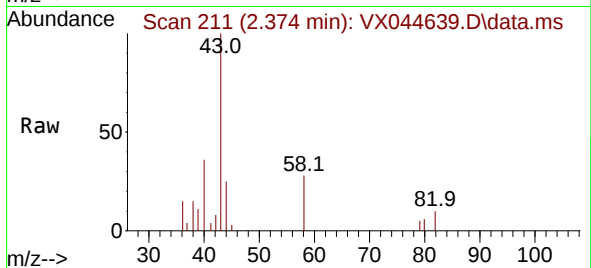
ClientSampleId :

Tgt Ion: 58 Resp: 739

Ion Ratio Lower Upper

58 100

43 311.0 293.6 440.4



#16

Carbon Disulfide

Concen: 1.776 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.000 min

Lab File: VX044639.D

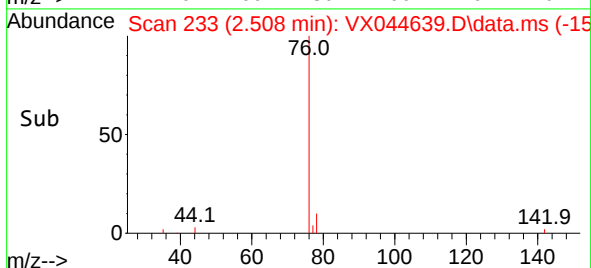
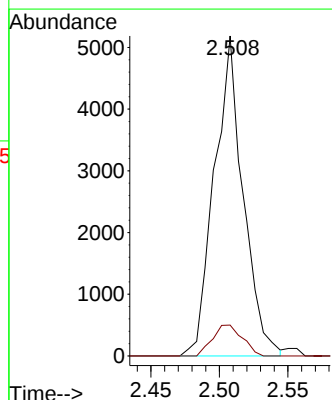
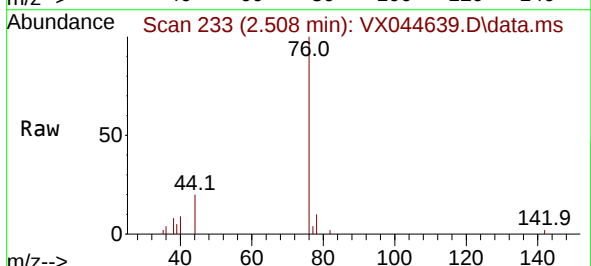
Acq: 09 Jan 2025 02:03

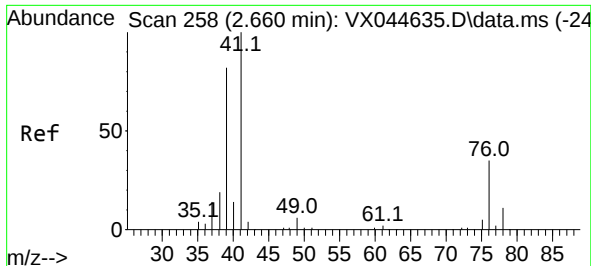
Tgt Ion: 76 Resp: 7583

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4





#17

Allyl chloride

Concen: 0.471 ug/l

RT: 2.660 min Scan# 2

Delta R.T. 0.000 min

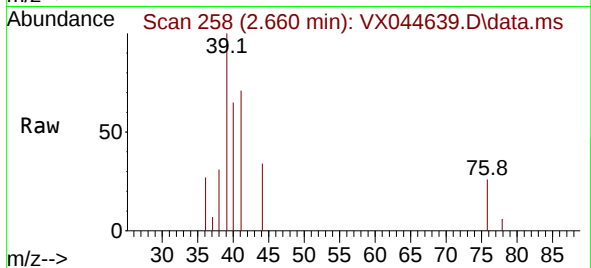
Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

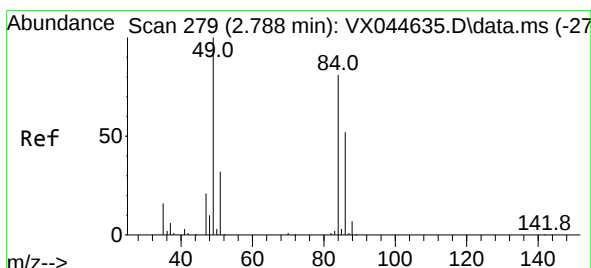
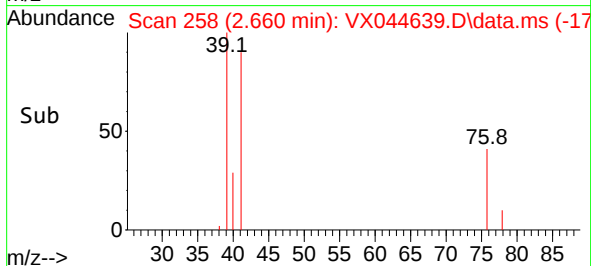
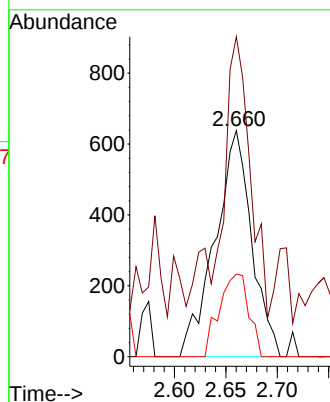
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	41	Resp:	1581
Ion	Ratio	Lower	Upper
41	100		
39	107.1	40.9	122.7
76	36.5	17.4	52.2



#18

Methylene Chloride

Concen: 0.537 ug/l

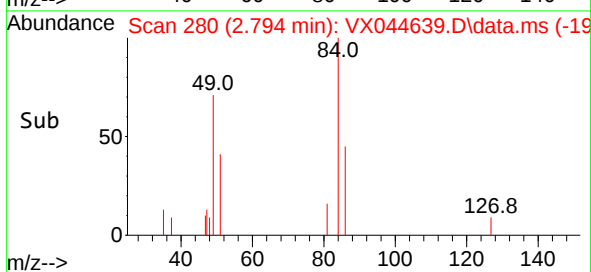
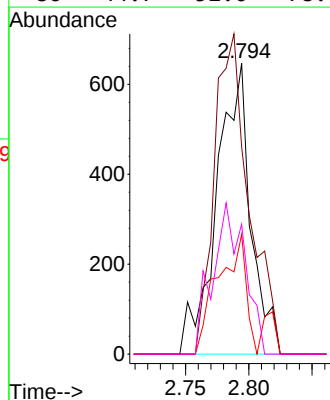
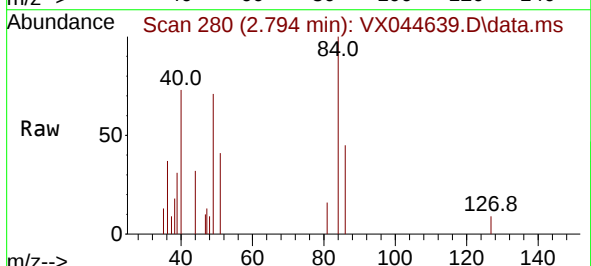
RT: 2.794 min Scan# 280

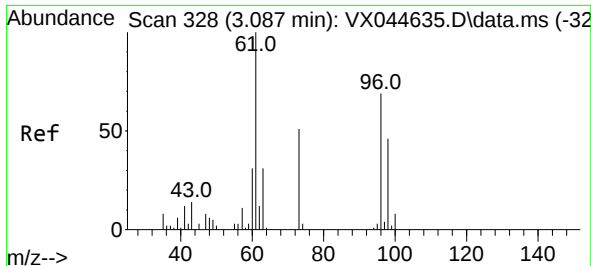
Delta R.T. 0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

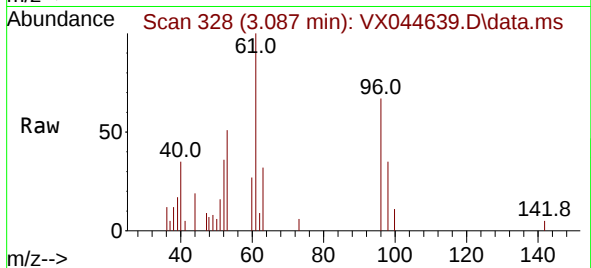
Tgt Ion:	84	Resp:	1212
Ion	Ratio	Lower	Upper
84	100		
49	71.3	99.2	148.8#
51	41.1	31.7	47.5
86	44.7	52.0	78.0#



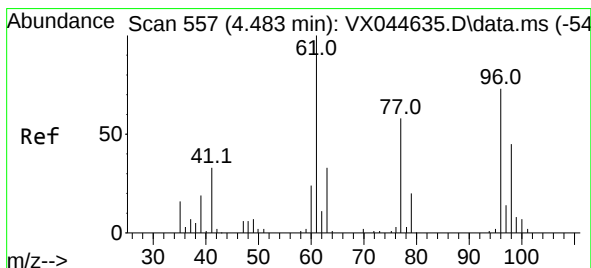
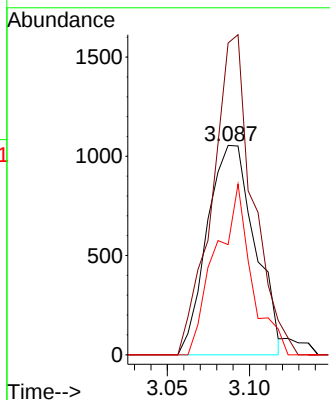
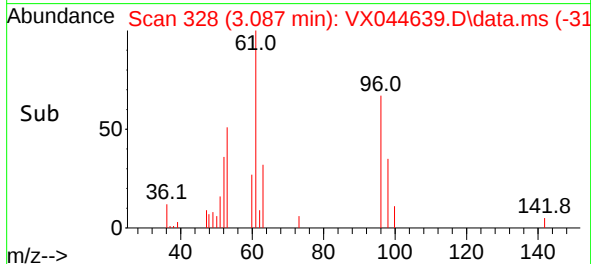


#19
trans-1,2-Dichloroethene
Concen: 1.067 ug/l
RT: 3.087 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

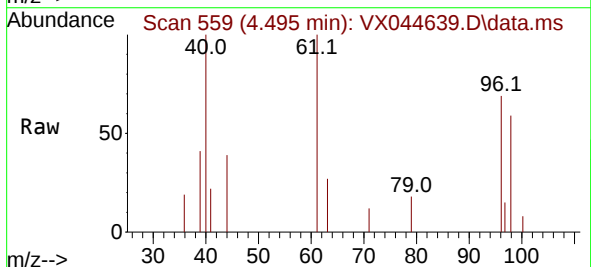
Instrument :
MSVOA_X
ClientSampleId :



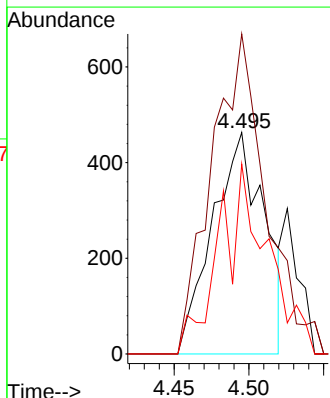
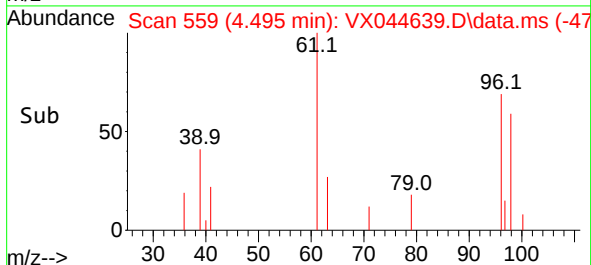
Tgt Ion: 96 Resp: 2127
Ion Ratio Lower Upper
96 100
61 148.9 116.6 175.0
98 52.6 53.3 79.9#

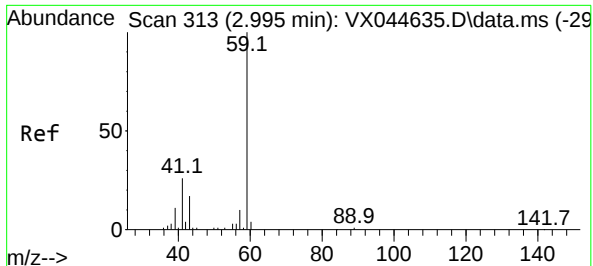


#22
cis-1,2-Dichloroethene
Concen: 0.454 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03



Tgt Ion: 96 Resp: 1115
Ion Ratio Lower Upper
96 100
61 78.5 119.8 179.8#
98 28.6 51.6 77.4#

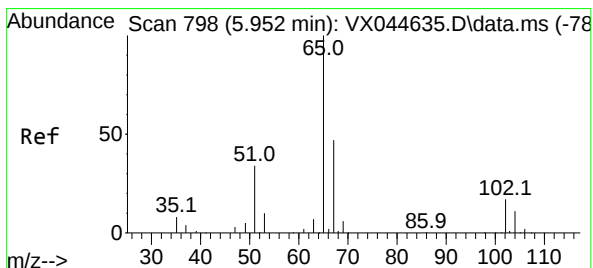
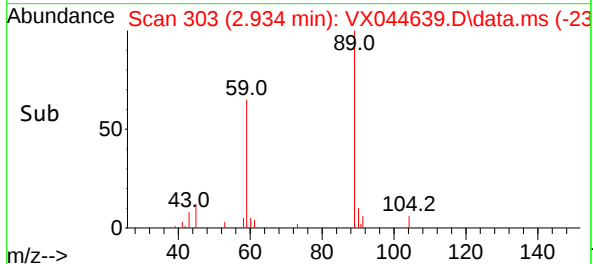
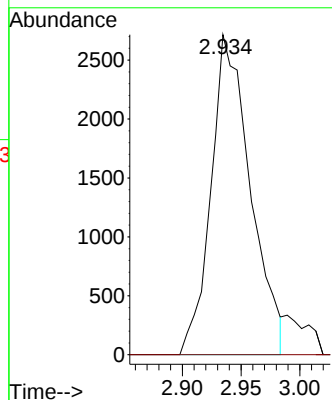
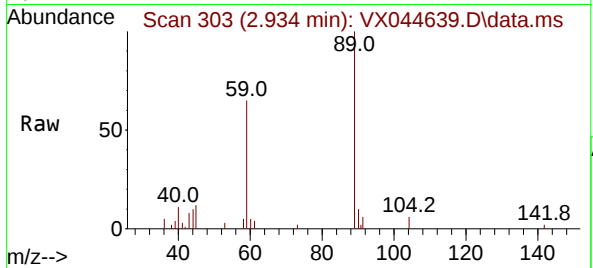




#23
tert-Butyl Alcohol
Concen: 16.206 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.061 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

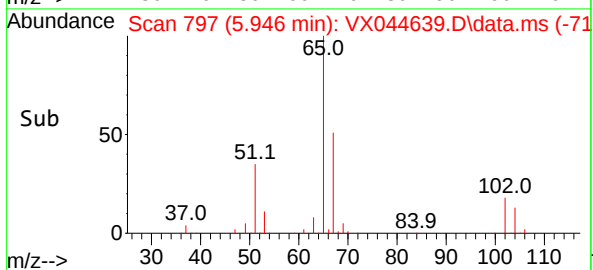
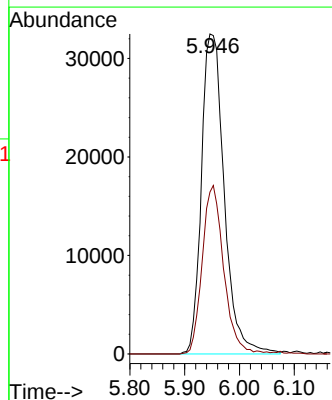
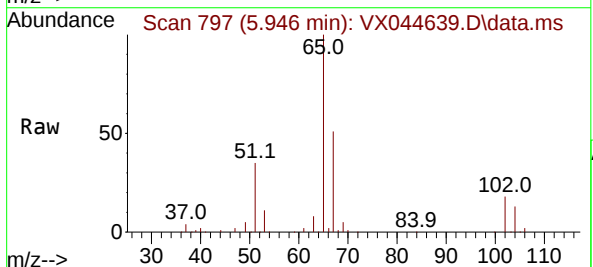
Instrument :
MSVOA_X
ClientSampleId :

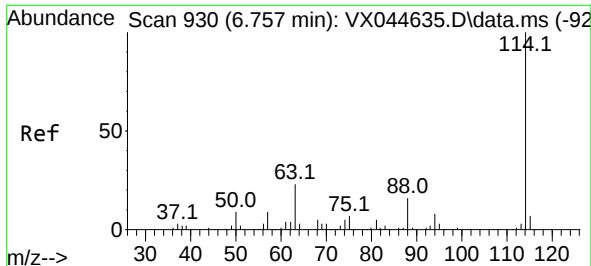
Tgt Ion: 59 Resp: 6337
Ion Ratio Lower Upper
59 100
52 33.5 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 30.459 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 65 Resp: 93691
Ion Ratio Lower Upper
65 100
67 49.2 39.1 58.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

ClientSampleId :

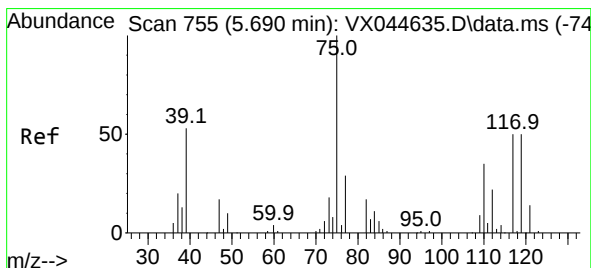
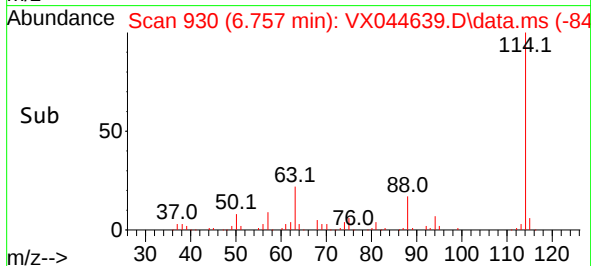
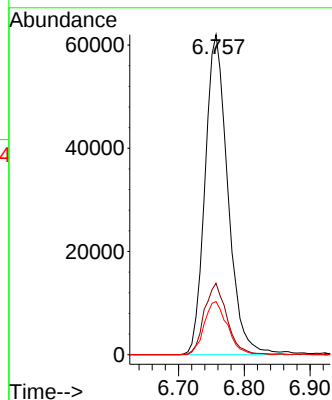
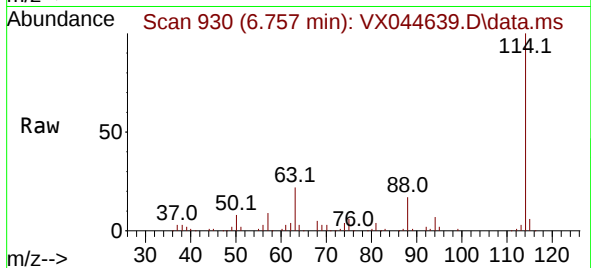
Tgt Ion:114 Resp: 149667

Ion Ratio Lower Upper

114 100

63 22.1 17.7 26.5

88 17.0 13.1 19.7



#29

1,1-Dichloropropene

Concen: 0.244 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

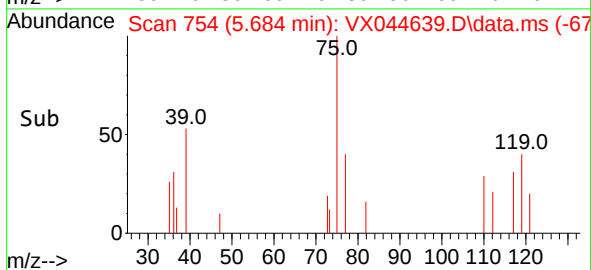
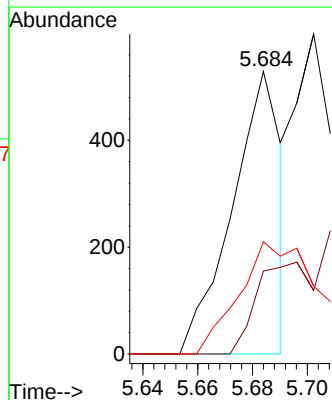
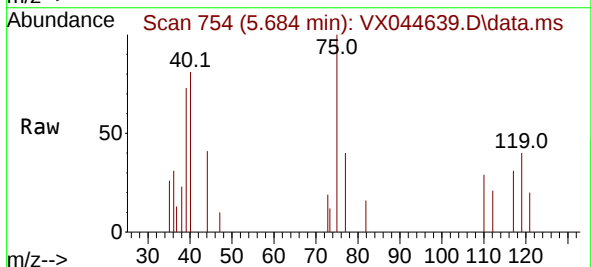
Tgt Ion: 75 Resp: 657

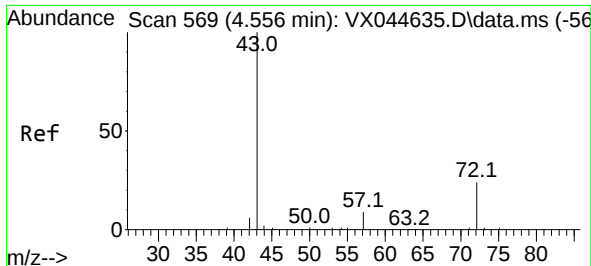
Ion Ratio Lower Upper

75 100

110 36.7 0.0 67.4

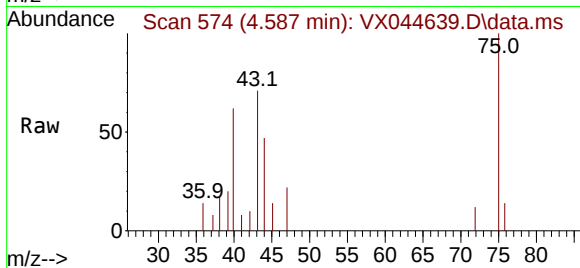
77 64.1 0.0 62.8#



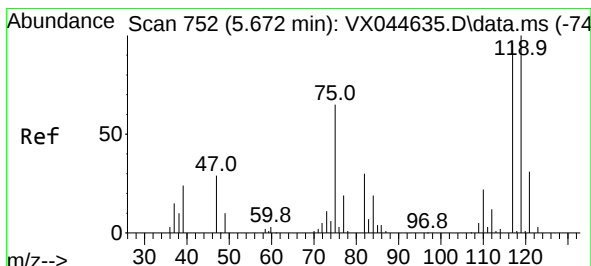
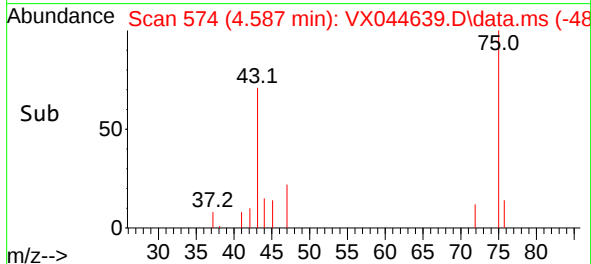
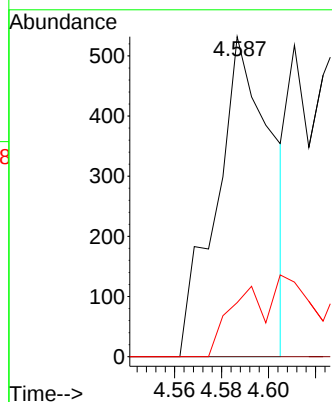


#30
2-Butanone
Concen: 0.618 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Instrument :
MSVOA_X
ClientSampleId :

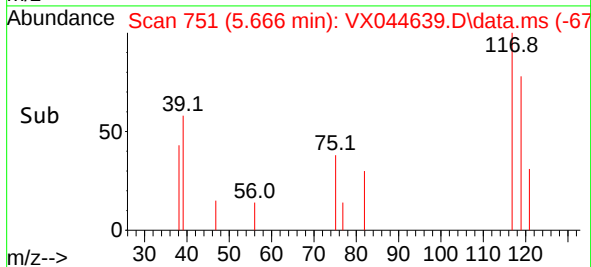
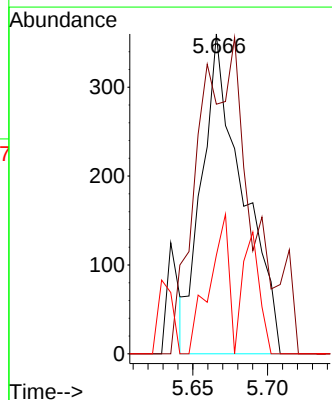
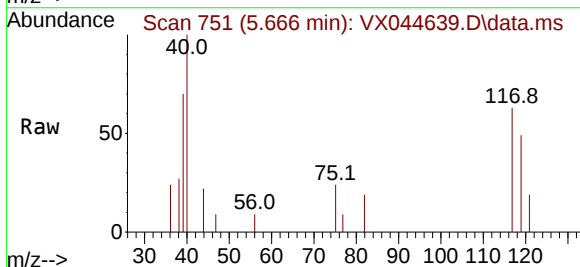


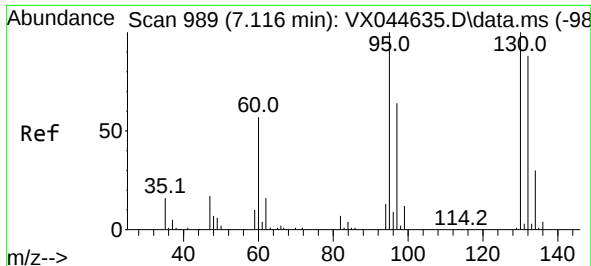
Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
57 0.0 6.4 9.6#
72 14.0 19.4 29.2#



#33
Carbon Tetrachloride
Concen: 0.224 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 117 Resp: 678
Ion Ratio Lower Upper
117 100
119 56.4 83.0 124.6#
121 30.8 25.6 38.4

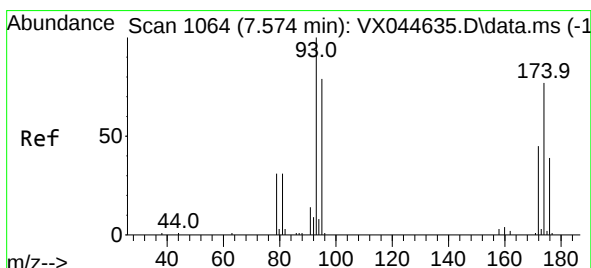
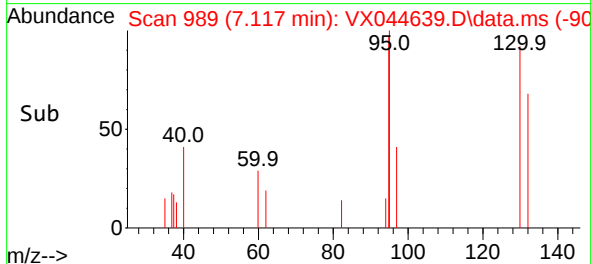
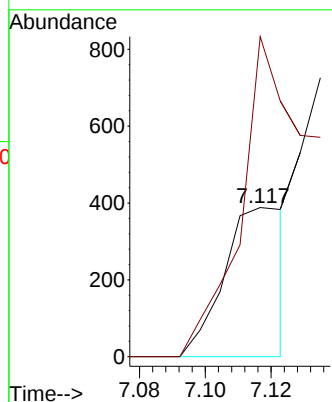
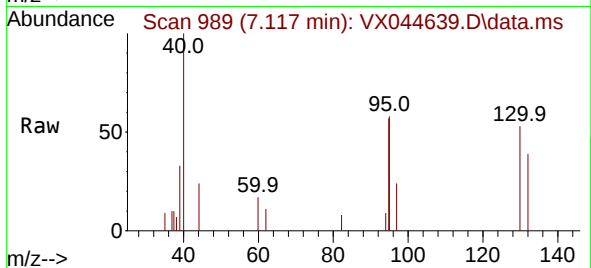




#37
Trichloroethene
Concen: 0.239 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

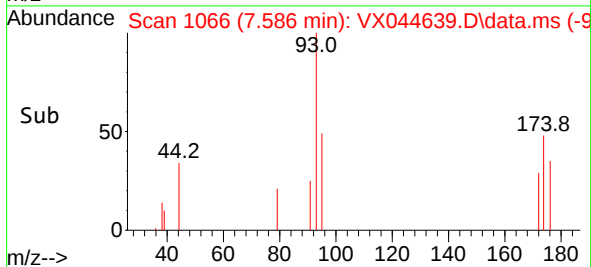
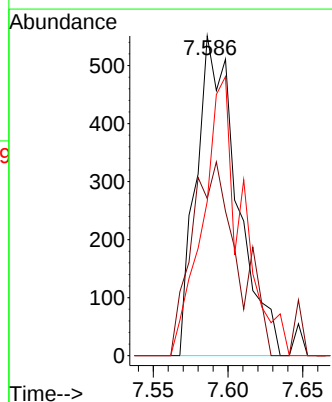
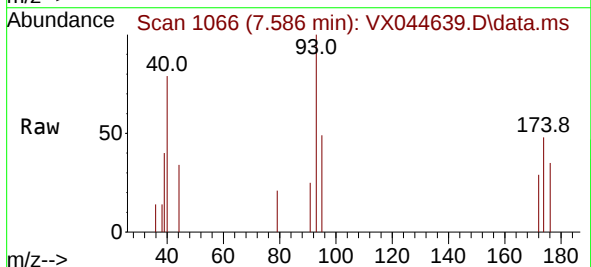
Instrument :
MSVOA_X
ClientSampleId :

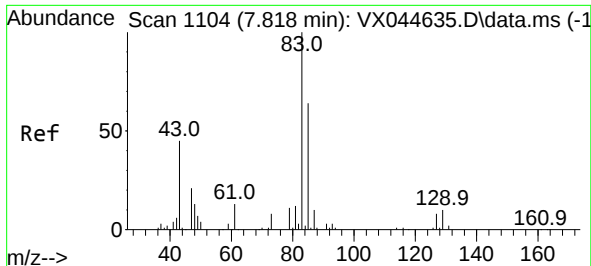
Tgt Ion:130 Resp: 503
Ion Ratio Lower Upper
130 100
95 214.7 80.2 120.4#



#40
Dibromomethane
Concen: 0.638 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 93 Resp: 1045
Ion Ratio Lower Upper
93 100
95 59.4 0.0 165.2
174 61.2 0.0 176.2

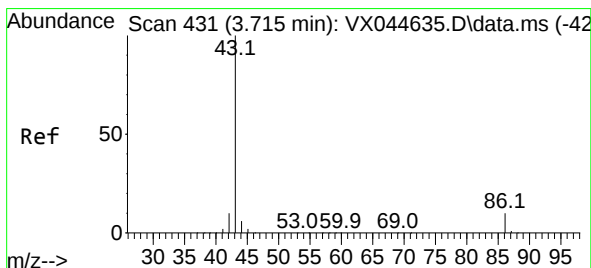
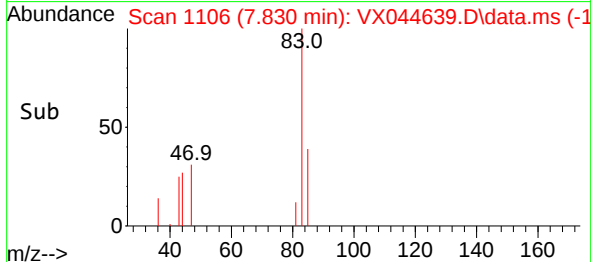
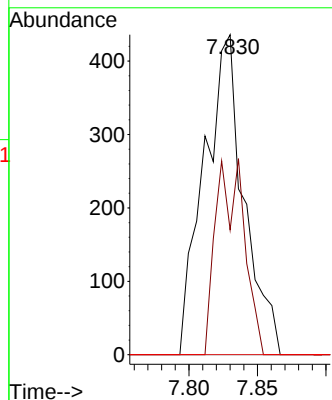
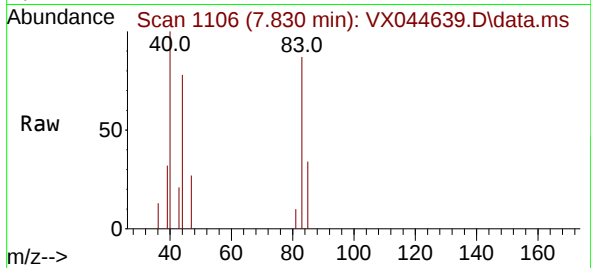




#41
Bromodichloromethane
Concen: 0.287 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.012 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

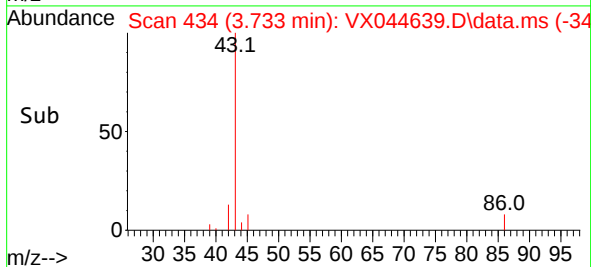
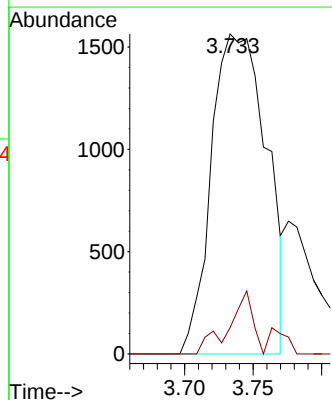
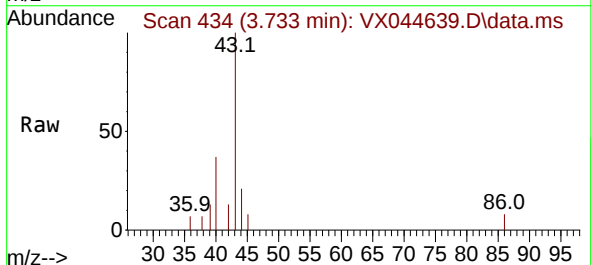
Instrument :
MSVOA_X
ClientSampleId :

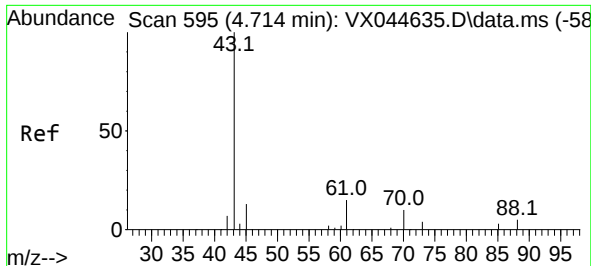
Tgt Ion: 83 Resp: 882
Ion Ratio Lower Upper
83 100
85 39.0 50.8 76.2#
127 0.0 6.6 9.8#



#42
Vinyl Acetate
Concen: 0.743 ug/l
RT: 3.733 min Scan# 434
Delta R.T. 0.018 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 43 Resp: 4376
Ion Ratio Lower Upper
43 100
86 2.1 7.1 10.7#





#43

Ethyl Acetate

Concen: 0.229 ug/l

RT: 4.629 min Scan# 51

Delta R.T. -0.085 min

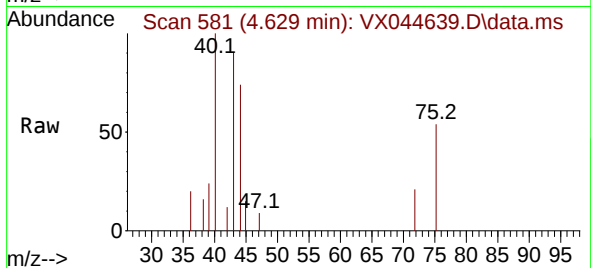
Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

ClientSampleId :

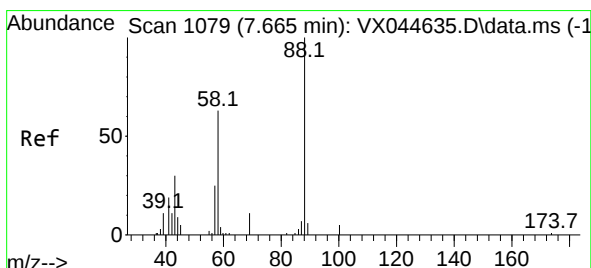
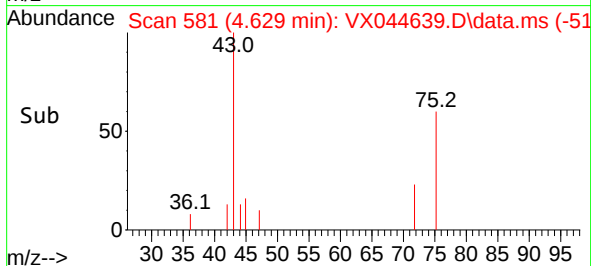
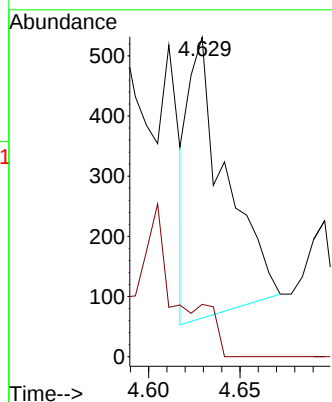


Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

45 9.3 6.7 10.1



#45

1,4-Dioxane

Concen: 5.007 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.037 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

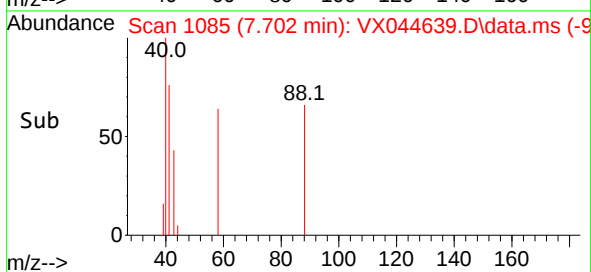
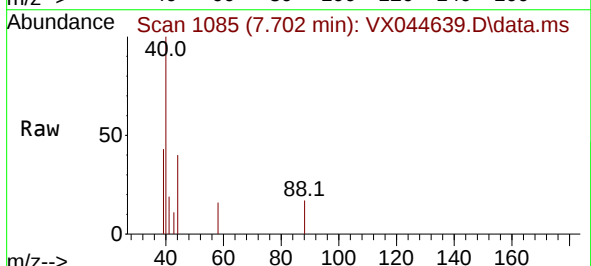
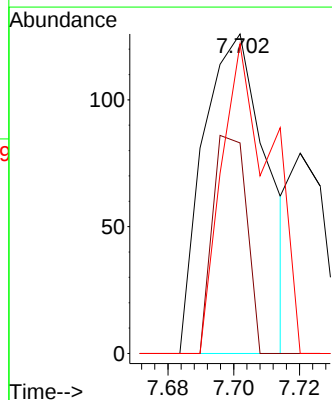
Tgt Ion: 88 Resp: 170

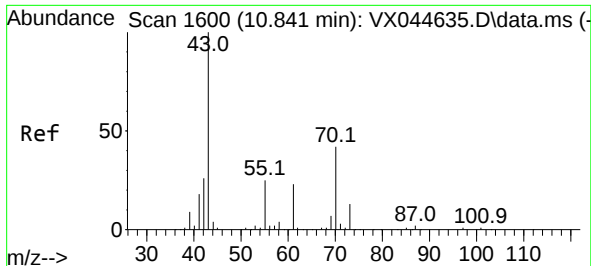
Ion Ratio Lower Upper

88 100

43 36.5 31.0 46.4

58 75.9 56.6 84.8





#47

n-amy1 Acetate

Concen: 0.381 ug/l

RT: 10.860 min Scan# 1603

Delta R.T. 0.018 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

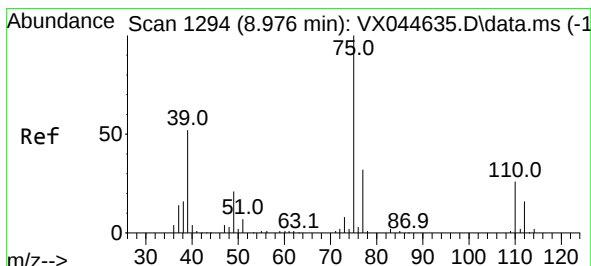
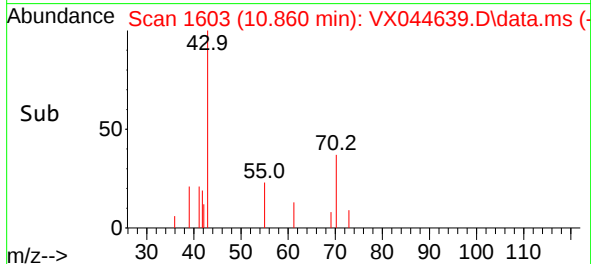
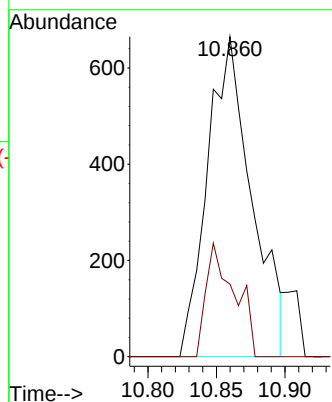
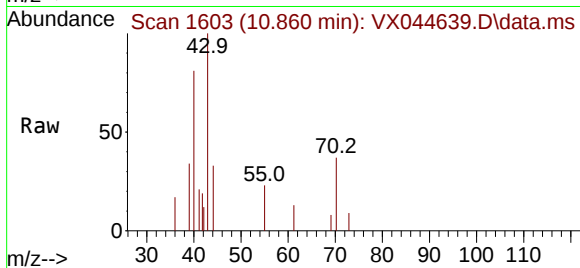
ClientSampleId :

Tgt Ion: 43 Resp: 1497

Ion Ratio Lower Upper

43 100

55 19.2 19.7 29.5#



#48

t-1,3-Dichloropropene

Concen: 0.465 ug/l

RT: 9.000 min Scan# 1298

Delta R.T. 0.025 min

Lab File: VX044639.D

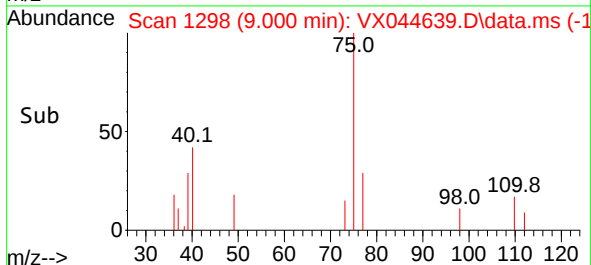
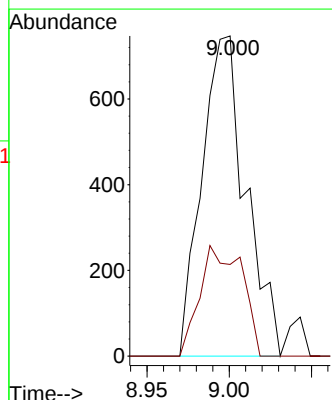
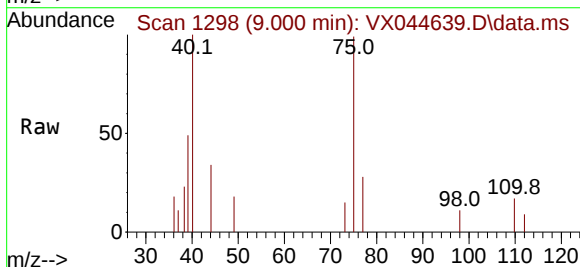
Acq: 09 Jan 2025 02:03

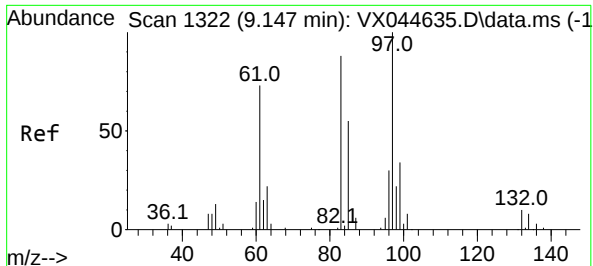
Tgt Ion: 75 Resp: 1386

Ion Ratio Lower Upper

75 100

77 28.6 25.7 38.5





#50

1,1,2-Trichloroethane

Concen: 0.206 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

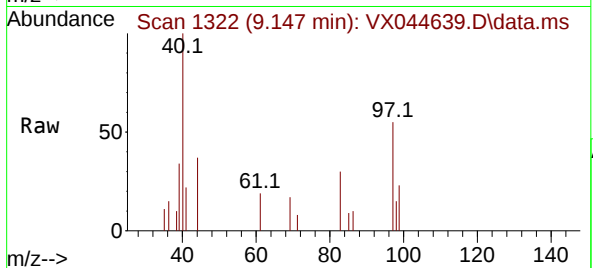
Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 427

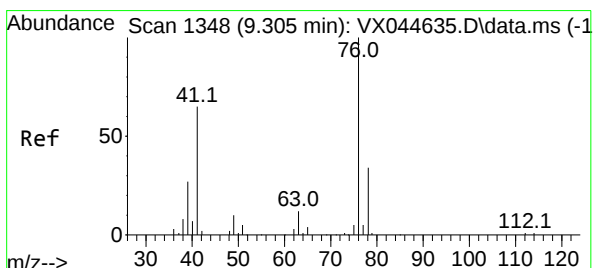
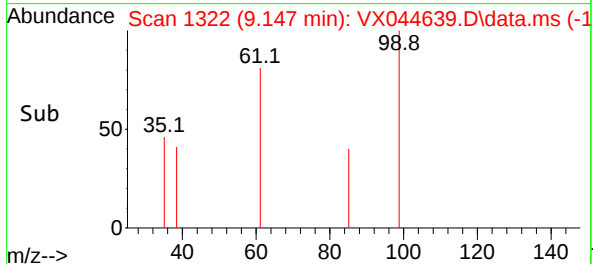
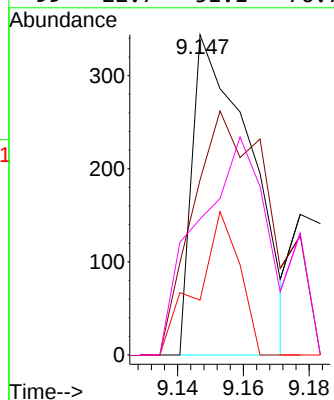
Ion Ratio Lower Upper

97 100

83 27.6 70.5 105.7#

85 17.2 45.4 68.2#

99 22.7 51.1 76.7#



#52

1,3-Dichloropropane

Concen: 0.267 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VX044639.D

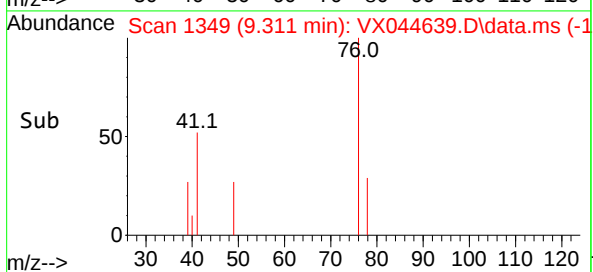
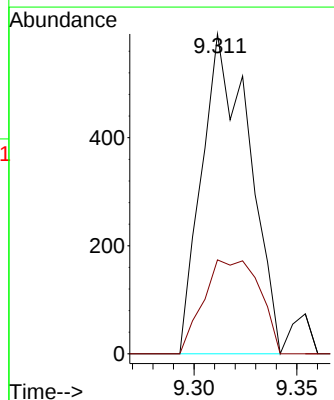
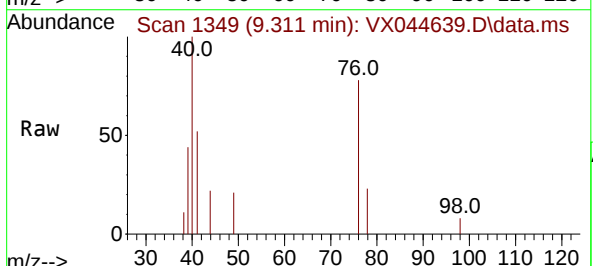
Acq: 09 Jan 2025 02:03

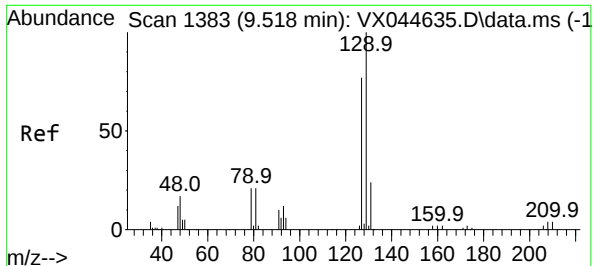
Tgt Ion: 76 Resp: 951

Ion Ratio Lower Upper

76 100

78 34.6 0.0 66.0





#53

Dibromochloromethane

Concen: 0.274 ug/l

RT: 9.519 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

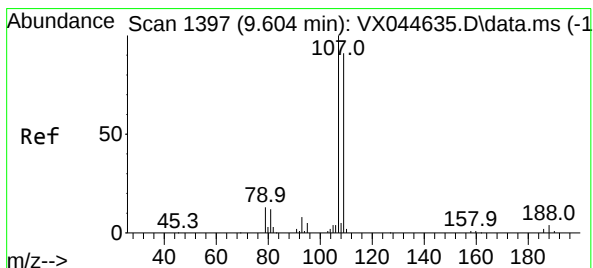
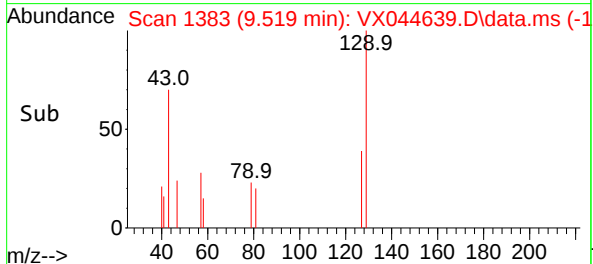
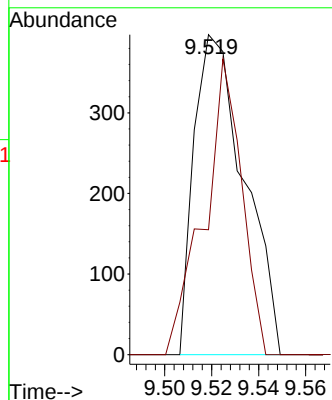
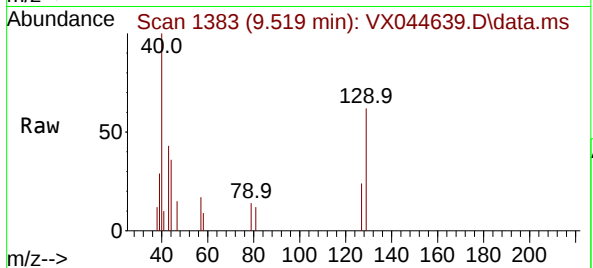
ClientSampleId :

Tgt Ion:129 Resp: 591

Ion Ratio Lower Upper

129 100

127 68.9 39.0 116.9



#54

1,2-Dibromoethane

Concen: 0.464 ug/l

RT: 9.616 min Scan# 1399

Delta R.T. 0.012 min

Lab File: VX044639.D

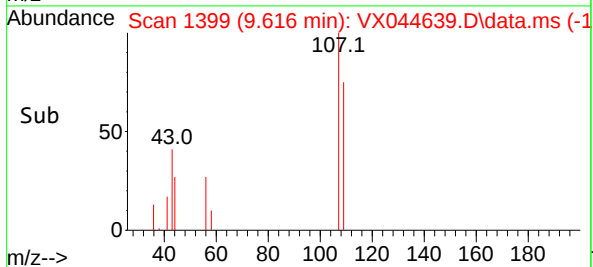
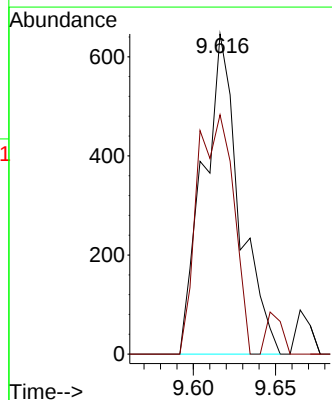
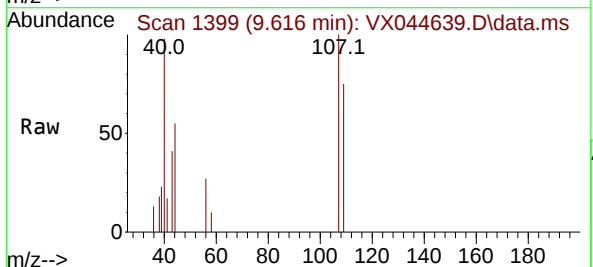
Acq: 09 Jan 2025 02:03

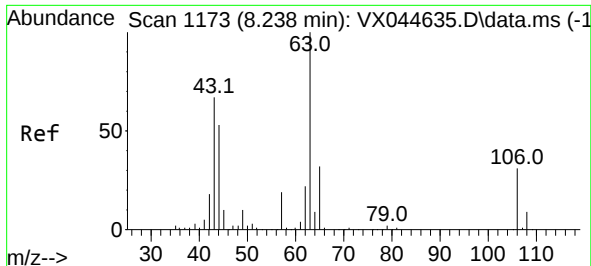
Tgt Ion:107 Resp: 991

Ion Ratio Lower Upper

107 100

109 75.4 73.9 110.9

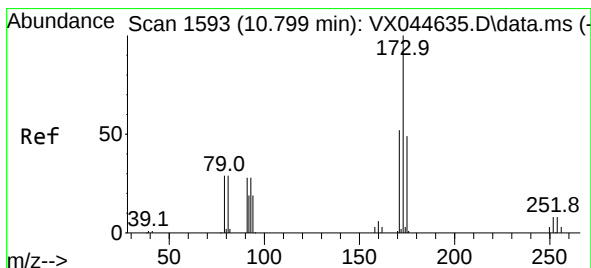
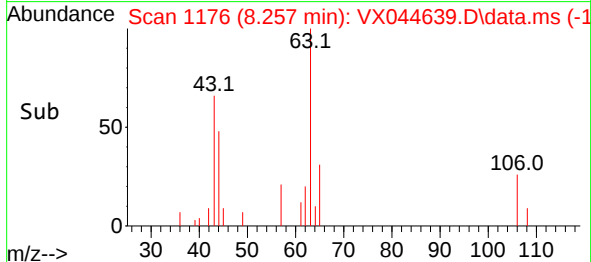
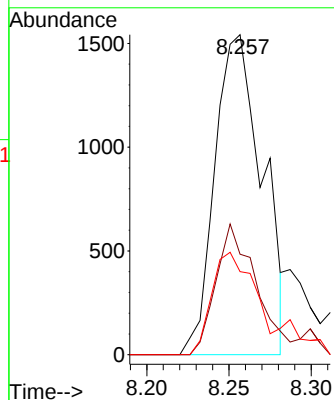
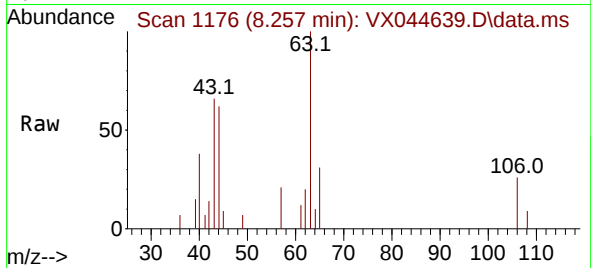




#55
2-Chloroethyl vinyl ether
Concen: 1.982 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.018 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

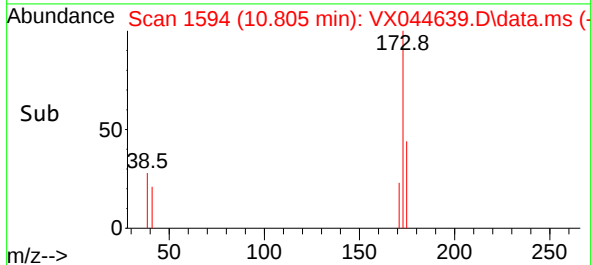
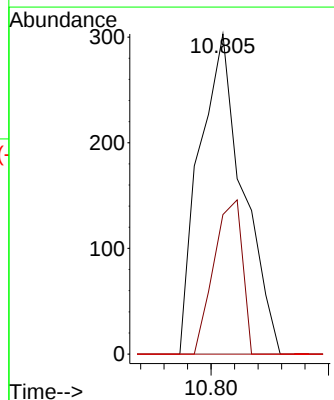
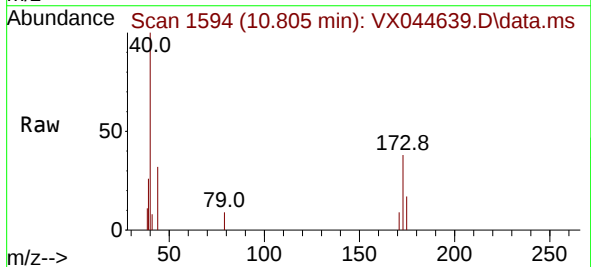
Instrument :
MSVOA_X
ClientSampleId :

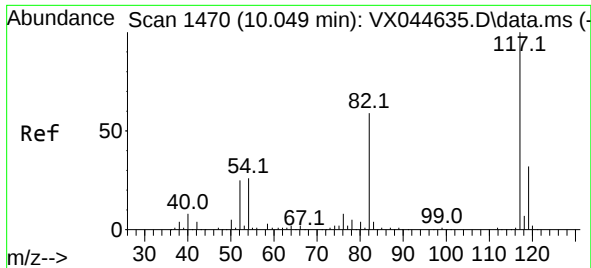
Tgt Ion: 63 Resp: 3098
Ion Ratio Lower Upper
63 100
65 34.7 26.1 39.1
106 28.8 22.6 33.8



#56
Bromoform
Concen: 0.293 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion:173 Resp: 390
Ion Ratio Lower Upper
173 100
175 31.5 39.1 58.7#
254 0.0 5.8 8.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

ClientSampleId :

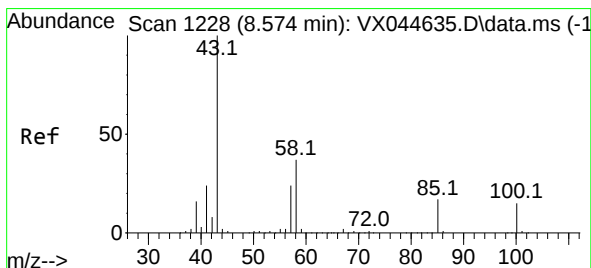
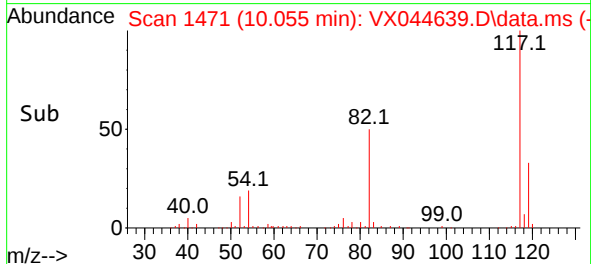
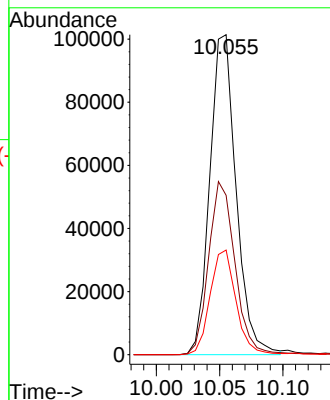
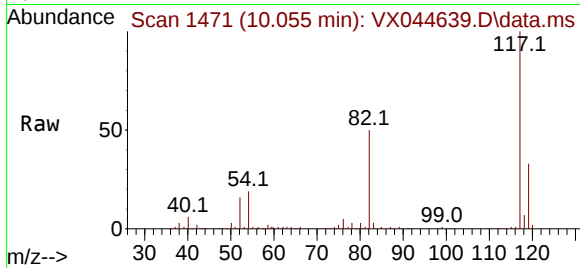
Tgt Ion:117 Resp: 146901

Ion Ratio Lower Upper

117 100

82 54.1 46.2 69.4

119 32.1 25.5 38.3



#58

4-Methyl-2-Pentanone

Concen: 1.085 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

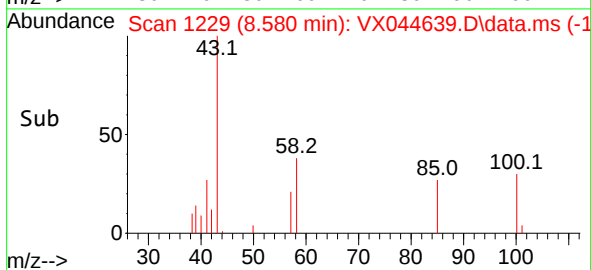
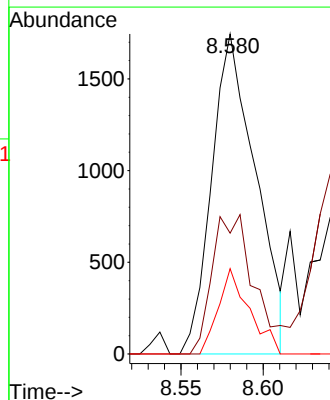
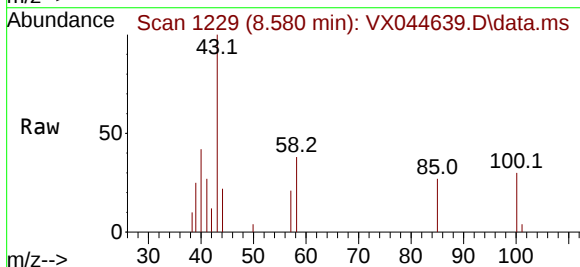
Tgt Ion: 43 Resp: 3252

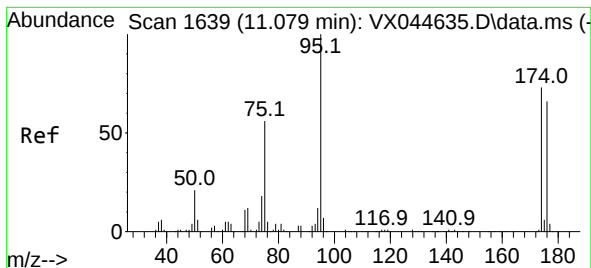
Ion Ratio Lower Upper

43 100

58 39.5 29.4 44.0

85 18.8 13.4 20.2

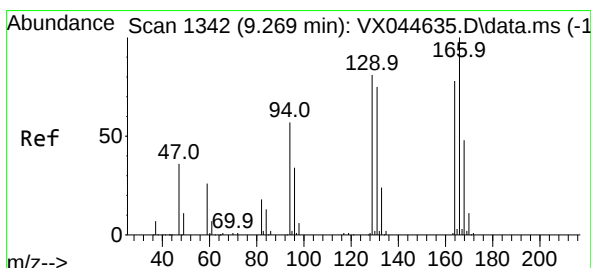
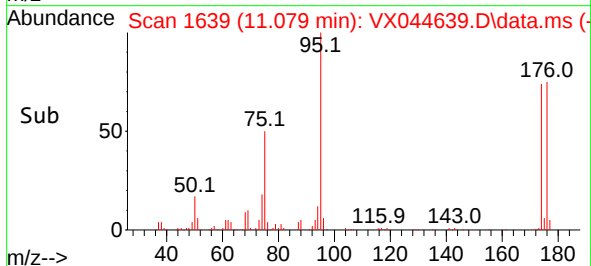
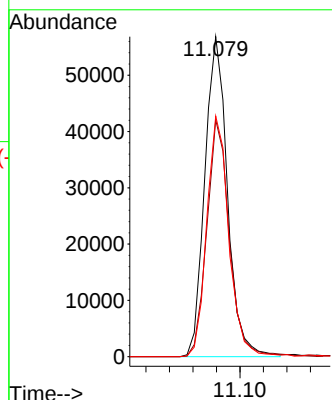
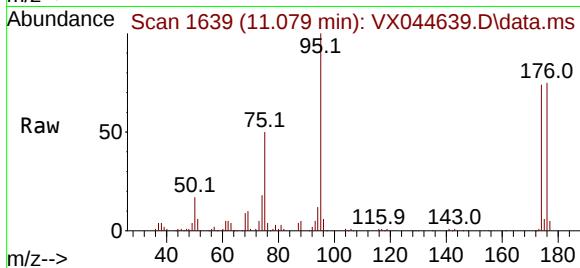




#60
4-Bromofluorobenzene
Concen: 27.745 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

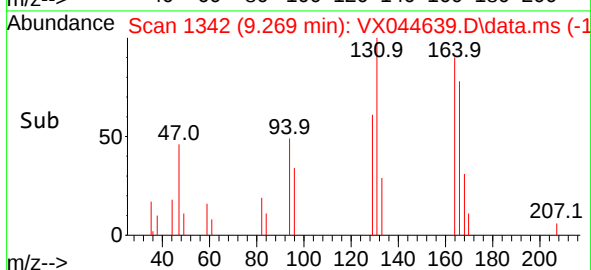
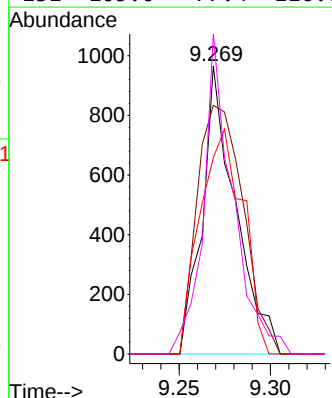
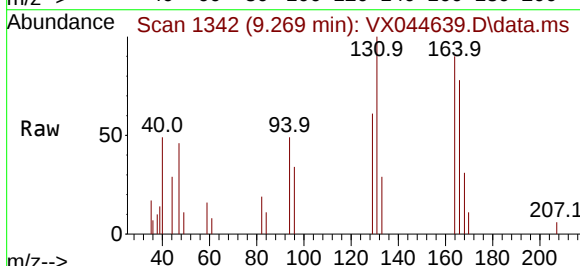
Instrument :
MSVOA_X
ClientSampleId :

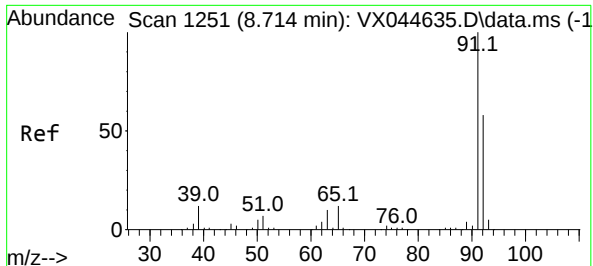
Tgt Ion: 95 Resp: 76093
Ion Ratio Lower Upper
95 100
174 73.9 58.6 88.0
176 73.2 55.2 82.8



#61
Tetrachloroethene
Concen: 0.648 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion:164 Resp: 1222
Ion Ratio Lower Upper
164 100
166 86.3 102.7 154.1#
129 68.1 83.6 125.4#
131 105.0 77.4 116.0

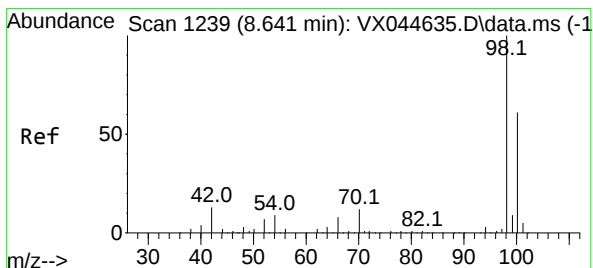
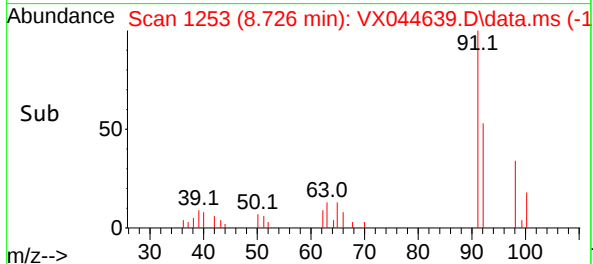
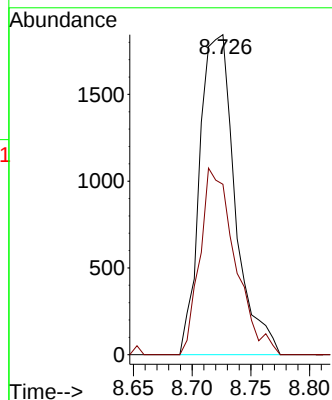
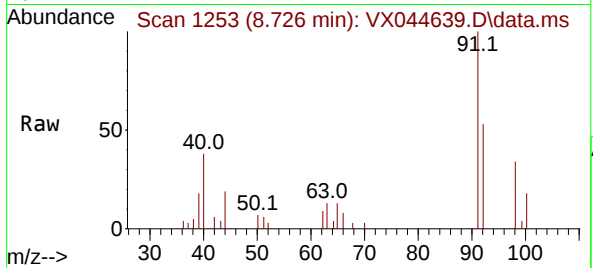




#62
Toluene
Concen: 0.399 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

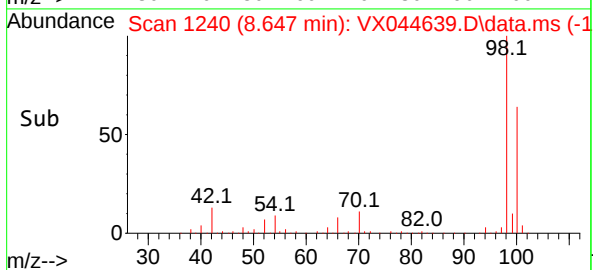
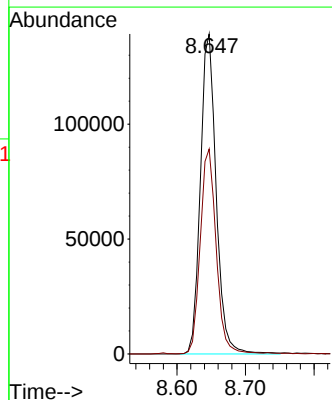
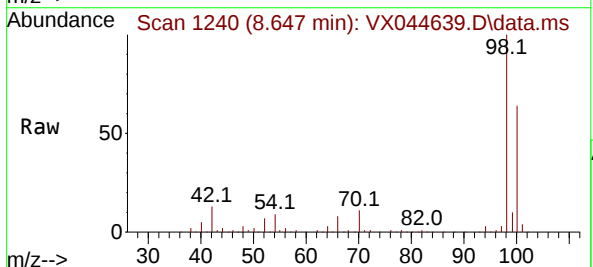
Instrument :
MSVOA_X
ClientSampleId :

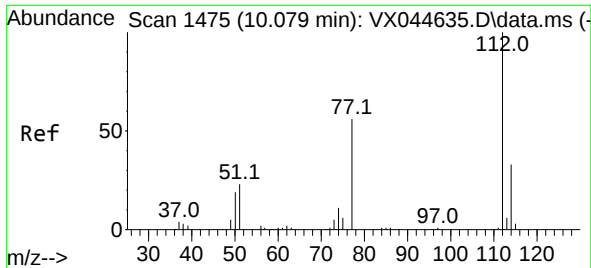
Tgt Ion: 91 Resp: 3860
Ion Ratio Lower Upper
91 100
92 58.1 46.4 69.6



#63
Toluene-d8
Concen: 27.205 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 98 Resp: 223454
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

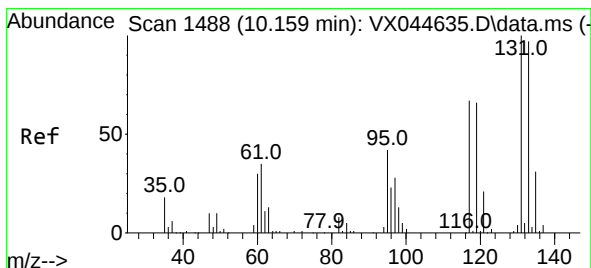
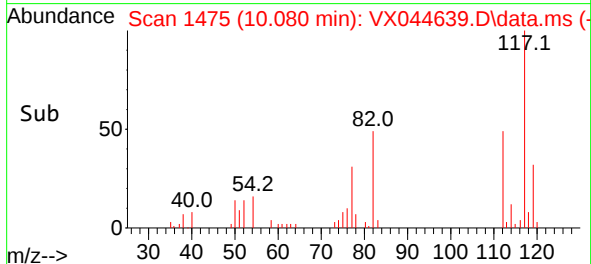
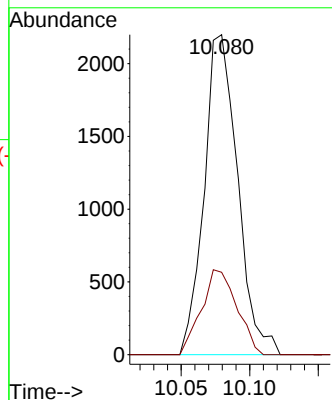
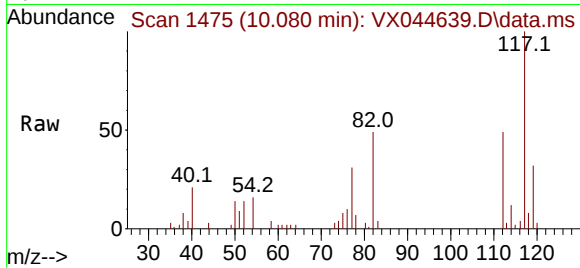




#64
Chlorobenzene
Concen: 0.623 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

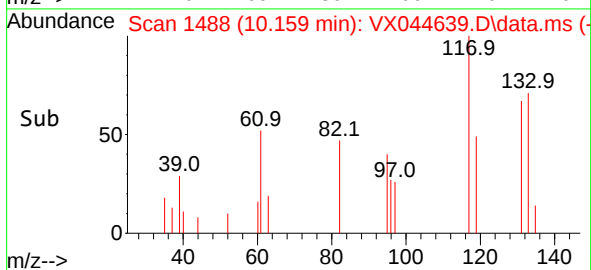
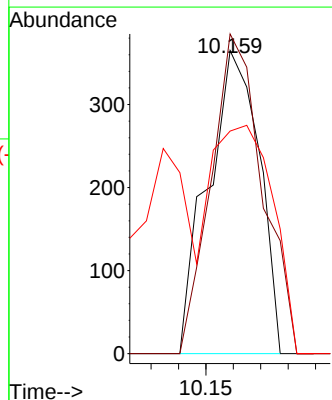
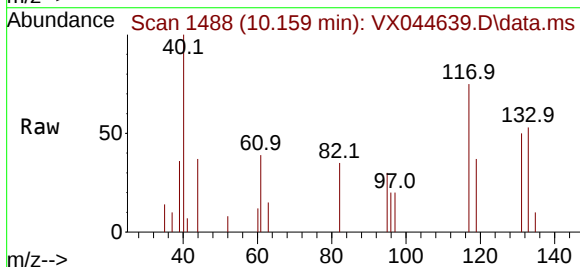
Instrument :
MSVOA_X
ClientSampleId :

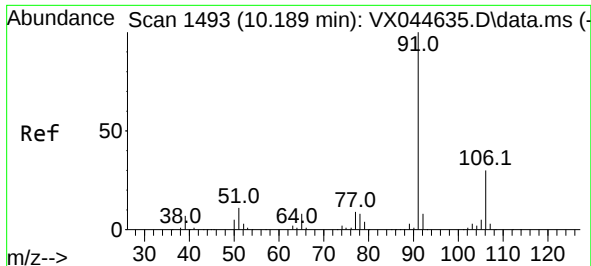
Tgt Ion:112 Resp: 3738
Ion Ratio Lower Upper
112 100
114 25.7 26.4 39.6#



#65
1,1,1,2-Tetrachloroethane
Concen: 0.233 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion:131 Resp: 474
Ion Ratio Lower Upper
131 100
133 105.5 0.0 194.0
119 90.5 0.0 132.0

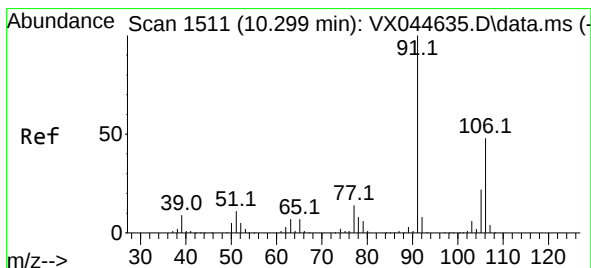
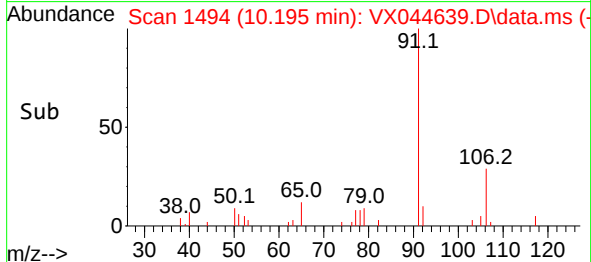
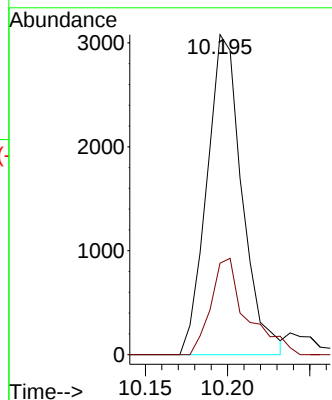
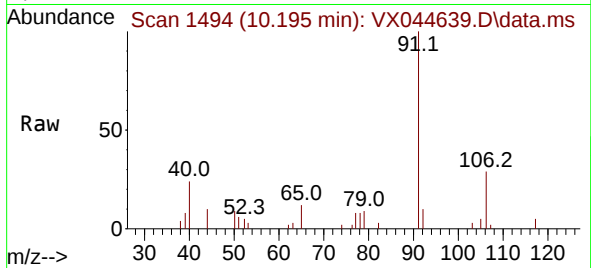




#66
Ethyl Benzene
Concen: 0.440 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

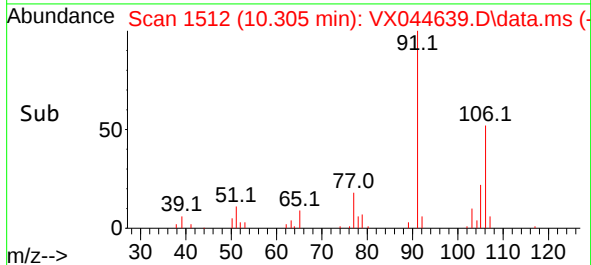
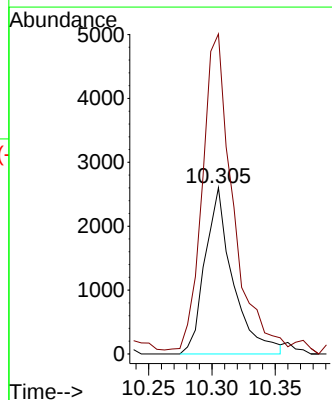
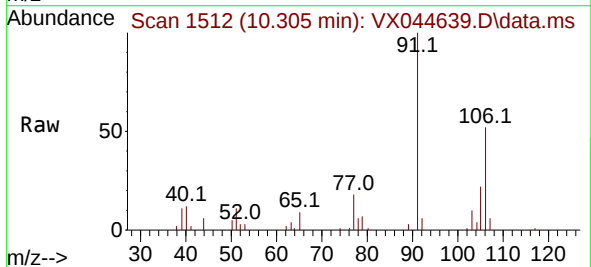
Instrument :
MSVOA_X
ClientSampleId :

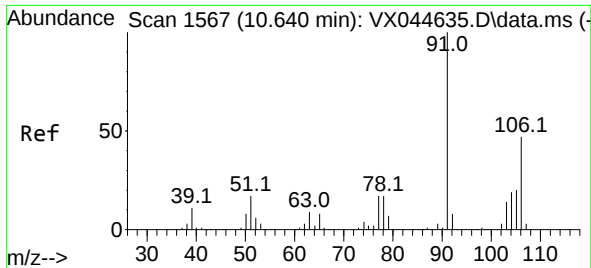
Tgt Ion: 91 Resp: 4575
Ion Ratio Lower Upper
91 100
106 28.6 24.1 36.1



#67
m/p-Xylenes
Concen: 1.024 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 106 Resp: 4002
Ion Ratio Lower Upper
106 100
91 213.3 167.9 251.9

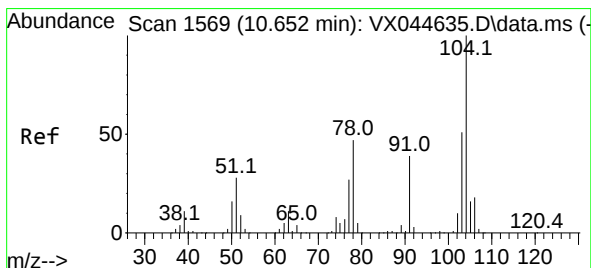
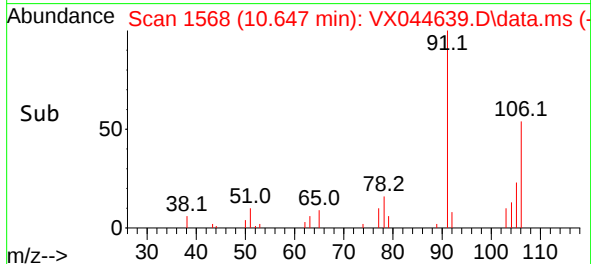
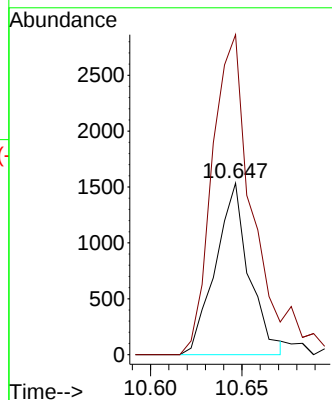
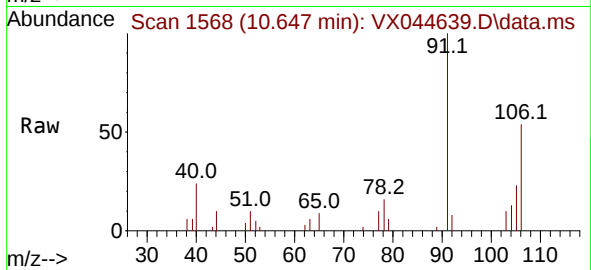




#68
o-Xylene
Concen: 0.517 ug/l
RT: 10.647 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

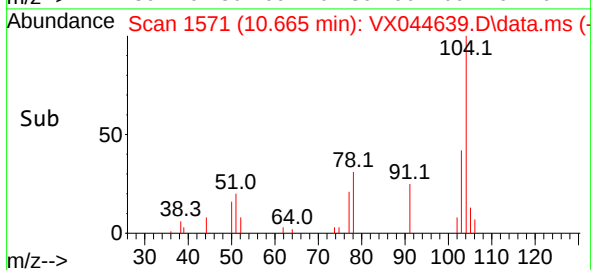
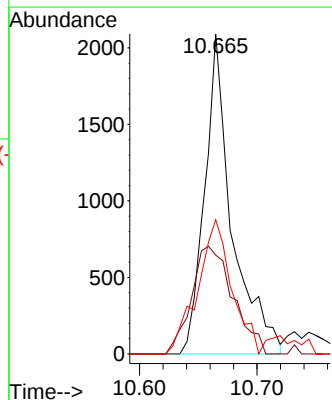
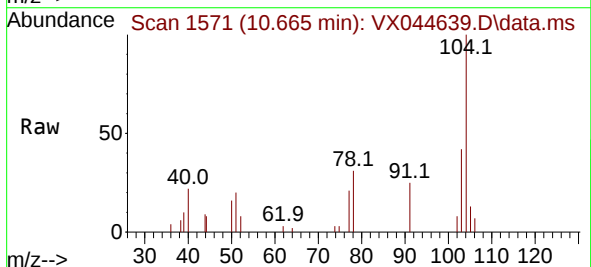
Instrument :
MSVOA_X
ClientSampleId :

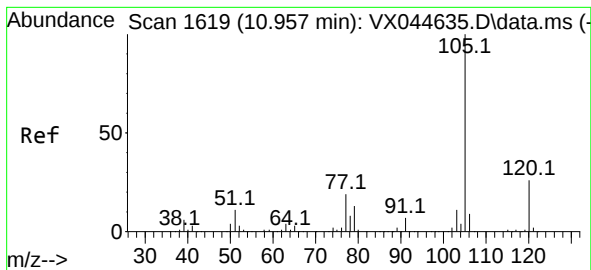
Tgt Ion:106 Resp: 1972
Ion Ratio Lower Upper
106 100
91 212.5 112.3 336.9



#69
Styrene
Concen: 0.532 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion:104 Resp: 3368
Ion Ratio Lower Upper
104 100
78 51.3 43.7 65.5
103 52.4 43.7 65.5





#70

Isopropylbenzene

Concen: 0.428 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

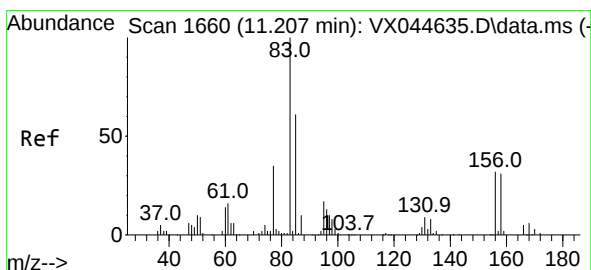
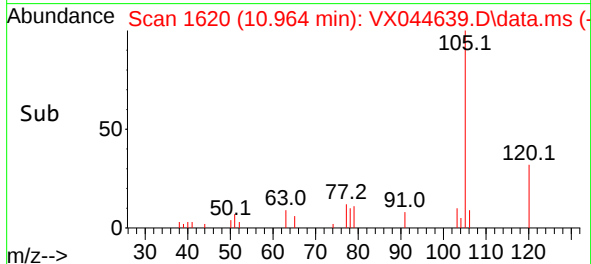
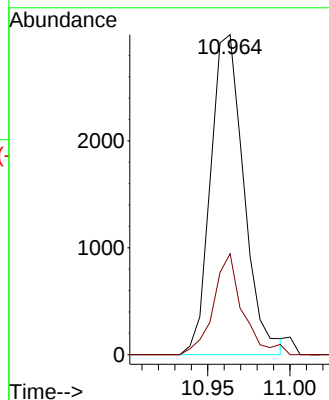
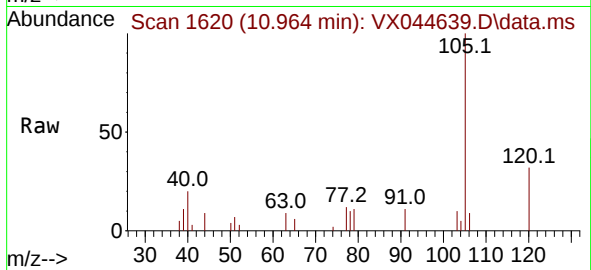
ClientSampleId :

Tgt Ion:105 Resp: 4213

Ion Ratio Lower Upper

105 100

120 26.8 17.5 32.5



#71

1,1,2,2-Tetrachloroethane

Concen: 0.340 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

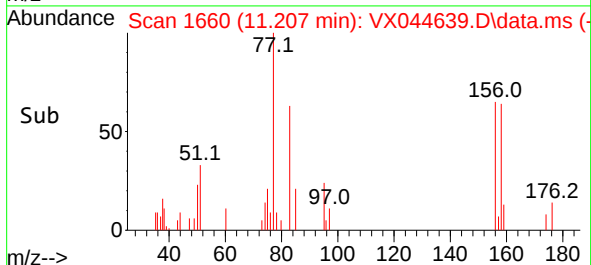
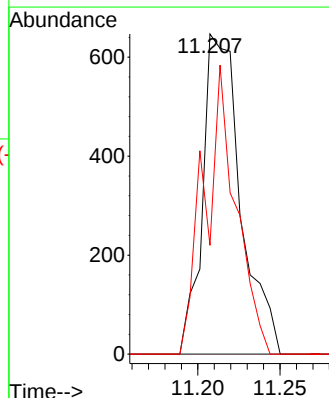
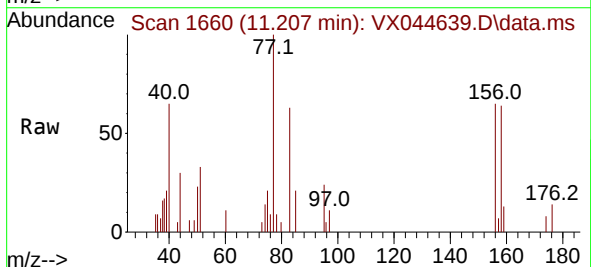
Tgt Ion: 83 Resp: 1041

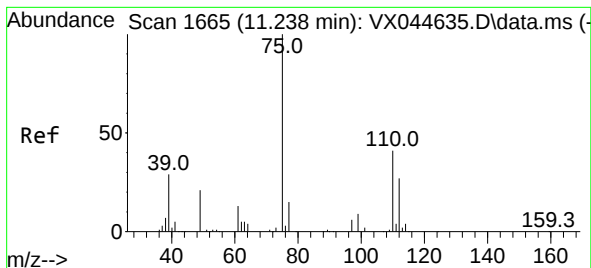
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 75.1 32.0 96.0





#72

1,2,3-Trichloropropane

Concen: 0.481 ug/l

RT: 11.244 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

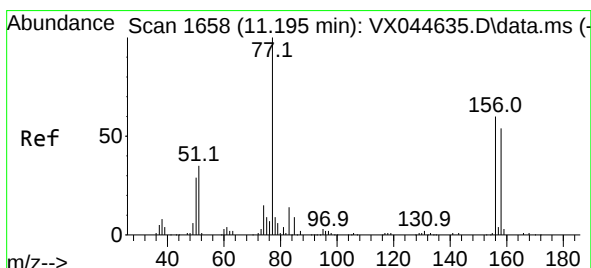
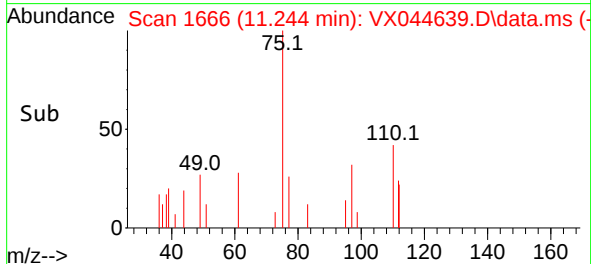
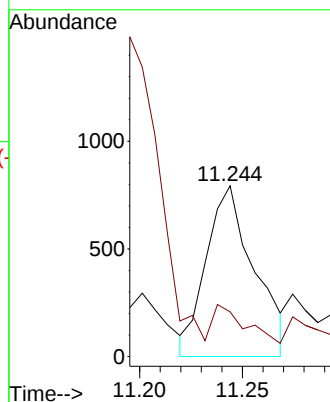
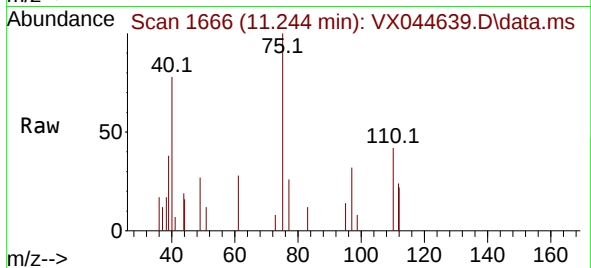
ClientSampleId :

Tgt Ion: 75 Resp: 1283

Ion Ratio Lower Upper

75 100

77 25.4 0.0 78.0



#73

Bromobenzene

Concen: 0.708 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

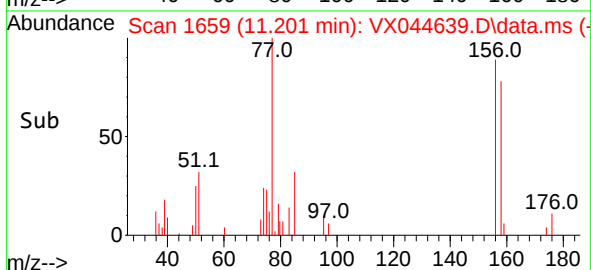
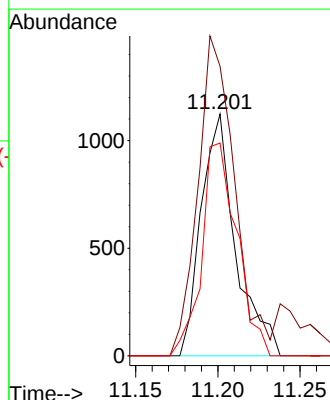
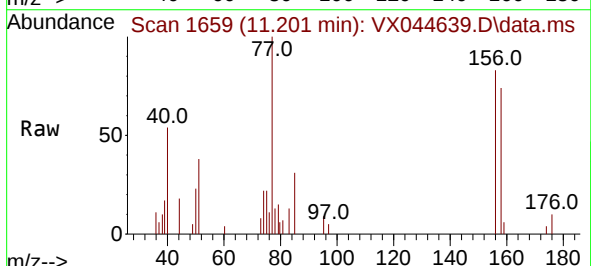
Tgt Ion:156 Resp: 1637

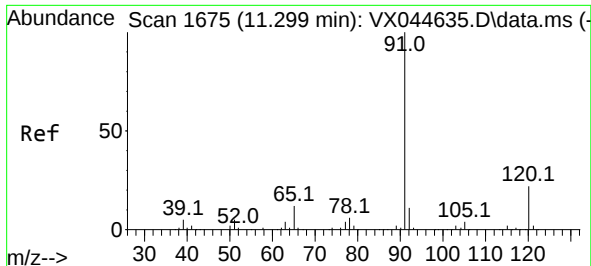
Ion Ratio Lower Upper

156 100

77 140.5 0.0 332.6

158 89.6 0.0 187.6

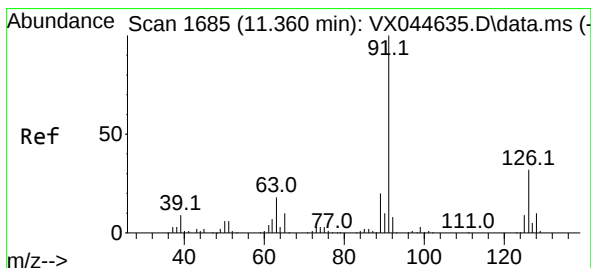
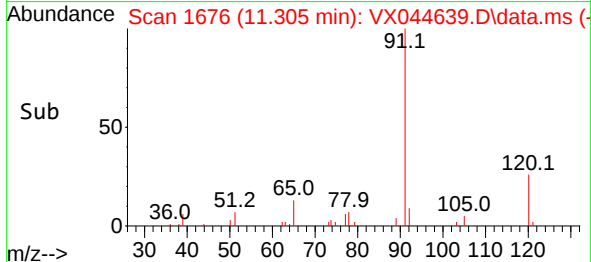
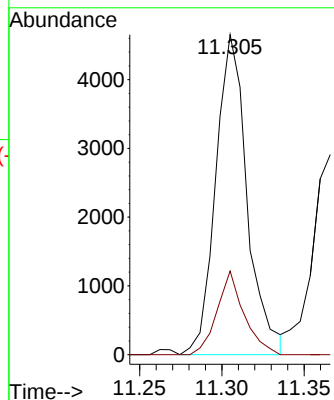
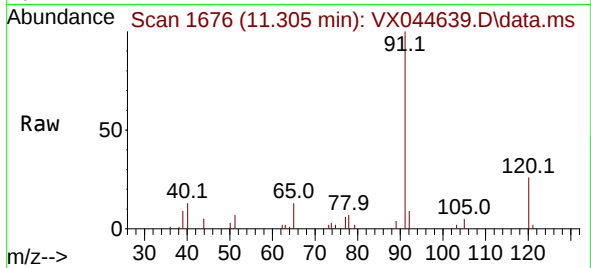




#74
n-propylbenzene
Concen: 0.555 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

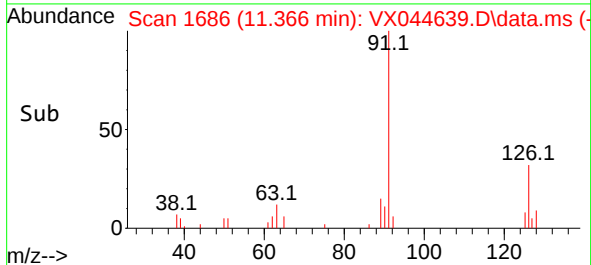
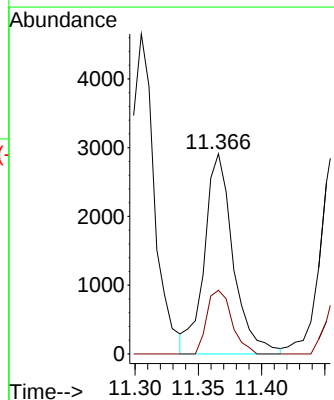
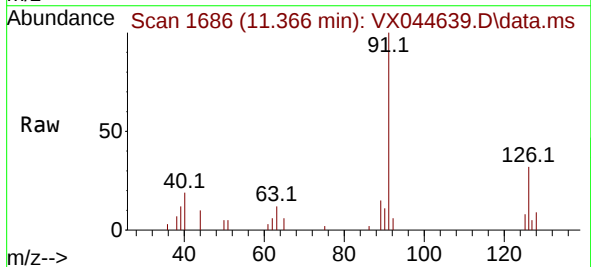
Instrument :
MSVOA_X
ClientSampleId :

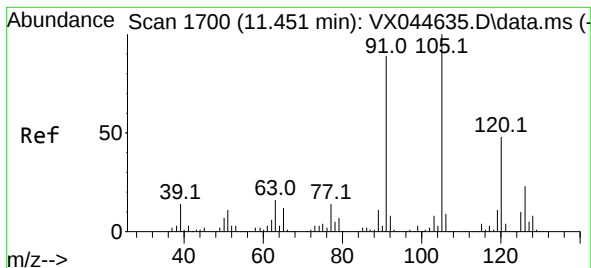
Tgt Ion: 91 Resp: 6182
Ion Ratio Lower Upper
91 100
120 22.5 0.0 45.0



#75
2-Chlorotoluene
Concen: 0.659 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 91 Resp: 4618
Ion Ratio Lower Upper
91 100
126 27.5 0.0 64.4





#76

1,3,5-Trimethylbenzene

Concen: 0.477 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

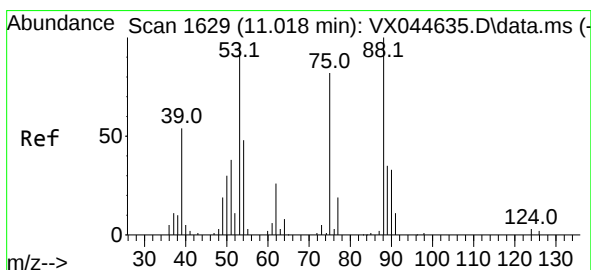
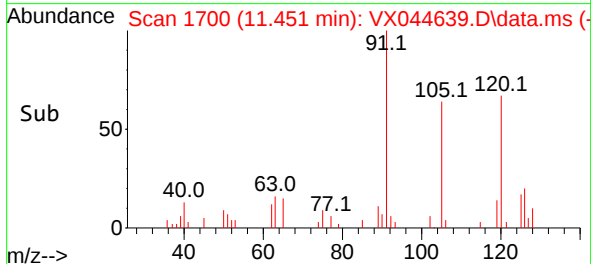
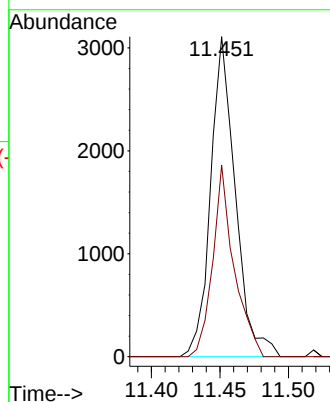
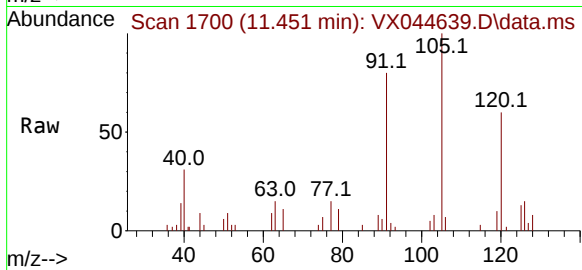
ClientSampleId :

Tgt Ion:105 Resp: 3897

Ion Ratio Lower Upper

105 100

120 51.7 0.0 94.0



#77

t-1,4-Dichloro-2-butene

Concen: 0.259 ug/l

RT: 11.025 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

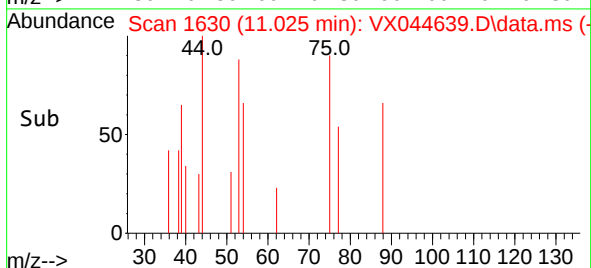
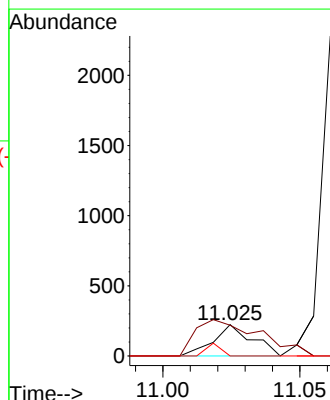
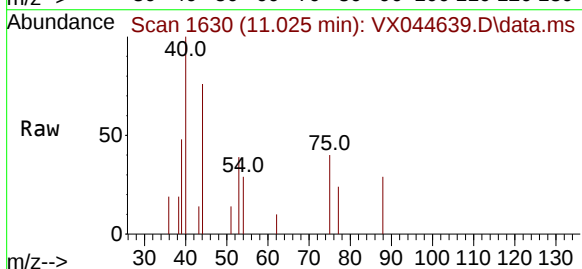
Tgt Ion: 75 Resp: 220

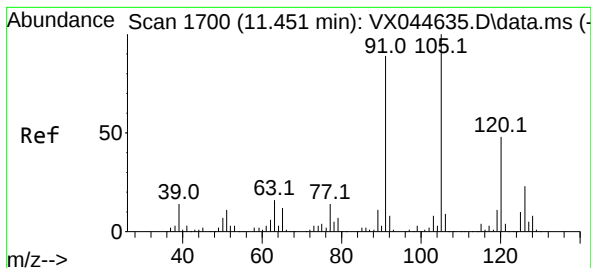
Ion Ratio Lower Upper

75 100

53 97.8 57.4 172.2

89 0.0 21.3 64.0#

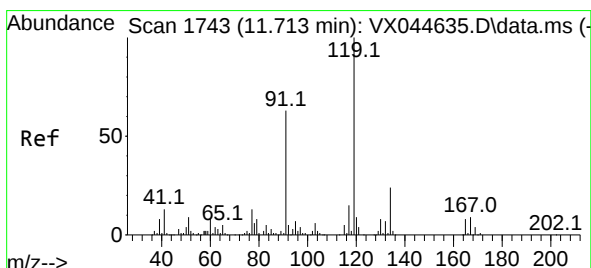
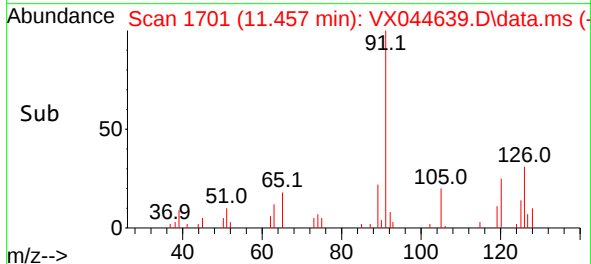
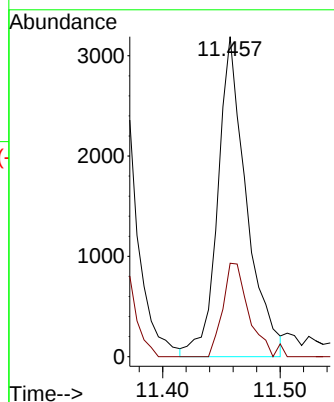
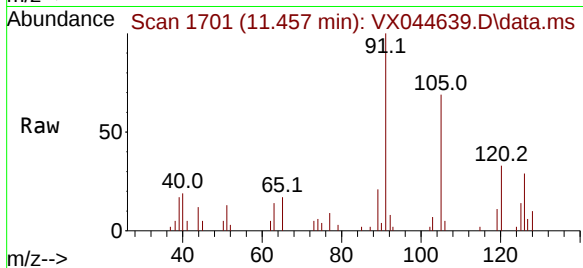




#78
4-Chlorotoluene
Concen: 0.696 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

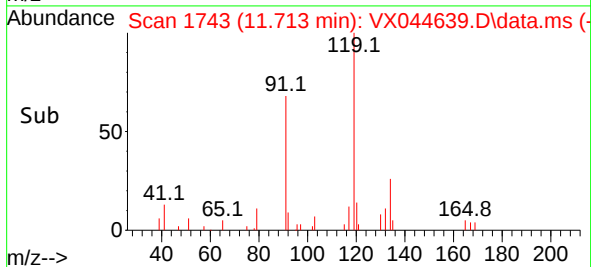
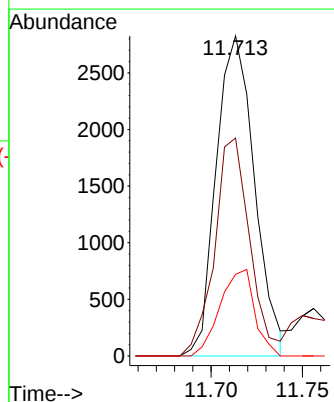
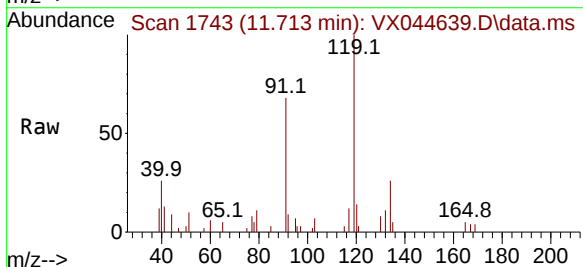
Instrument :
MSVOA_X
ClientSampleId :

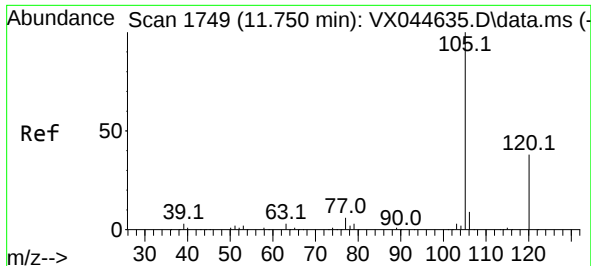
Tgt Ion: 91 Resp: 5414
Ion Ratio Lower Upper
91 100
126 26.0 0.0 54.8



#79
tert-butylbenzene
Concen: 0.514 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion: 119 Resp: 4123
Ion Ratio Lower Upper
119 100
91 62.6 0.0 124.2
134 24.3 0.0 46.4

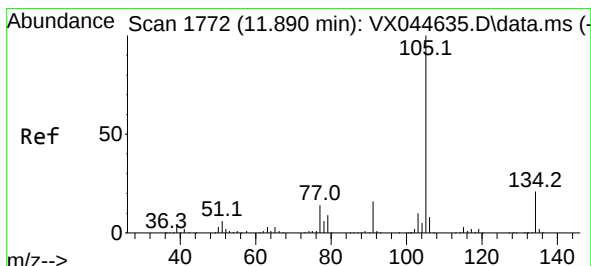
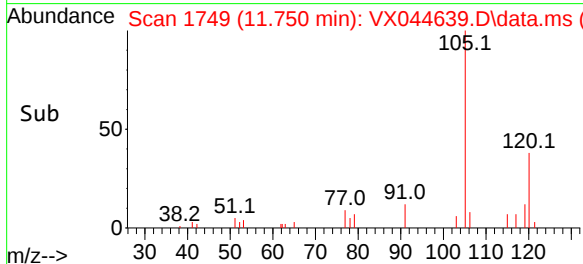
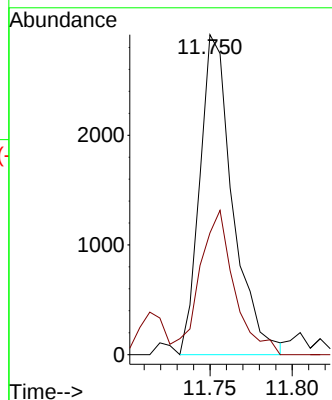
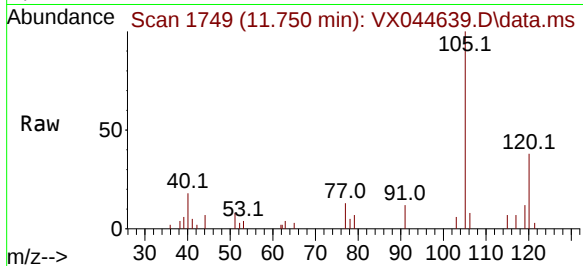




#80
1,2,4-Trimethylbenzene
Concen: 0.504 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

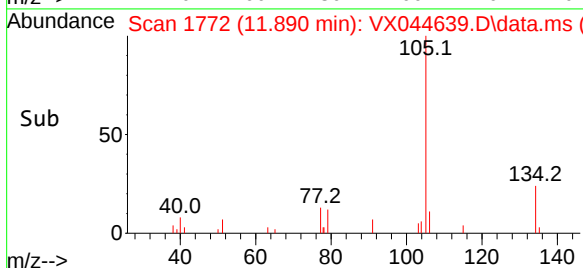
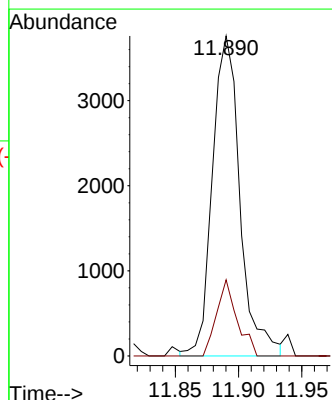
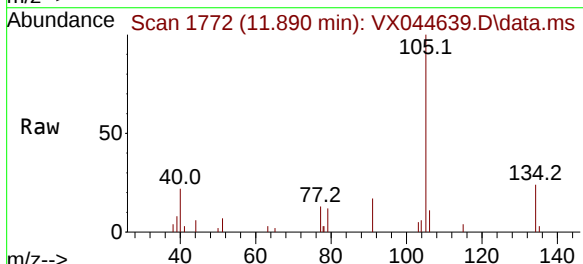
Instrument :
MSVOA_X
ClientSampleId :

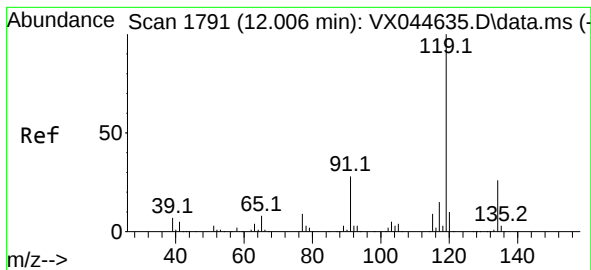
Tgt Ion:105 Resp: 4059
Ion Ratio Lower Upper
105 100
120 47.2 0.0 87.2



#81
sec-Butylbenzene
Concen: 0.586 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion:105 Resp: 5694
Ion Ratio Lower Upper
105 100
134 17.7 0.0 38.8





#82

p-Isopropyltoluene

Concen: 0.569 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044639.D

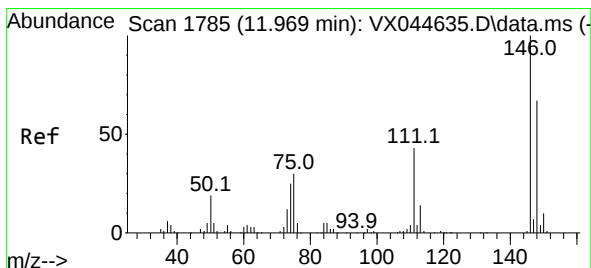
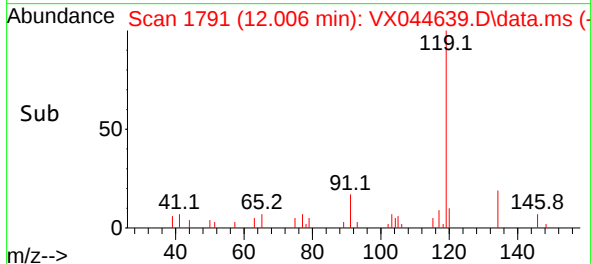
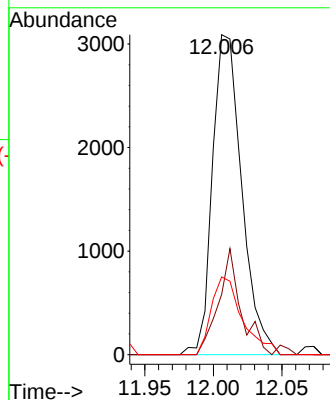
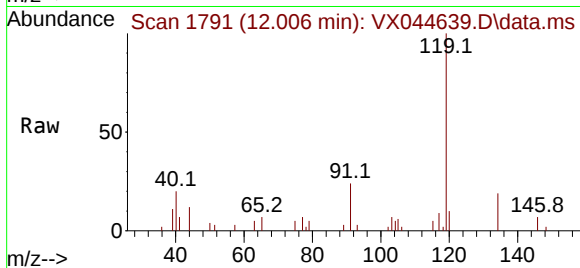
Acq: 09 Jan 2025 02:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:119	Resp:	4594
Ion	Ratio	Lower Upper
119	100	
134	25.3	0.0 53.8
91	25.8	0.0 55.2



#83

1,3-Dichlorobenzene

Concen: 0.755 ug/l

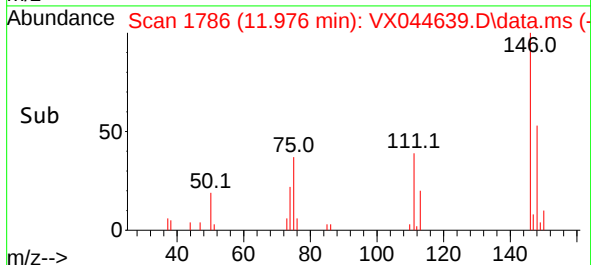
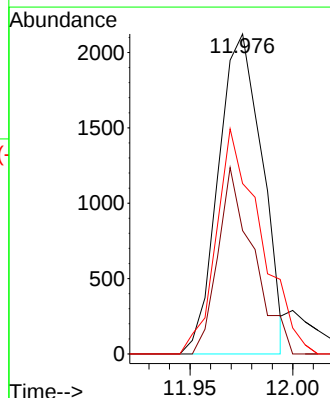
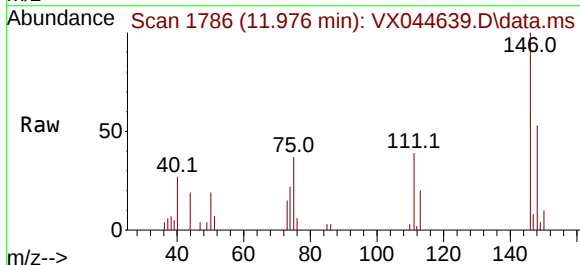
RT: 11.976 min Scan# 1786

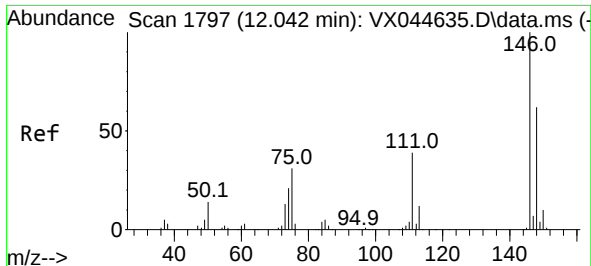
Delta R.T. 0.006 min

Lab File: VX044639.D

Acq: 09 Jan 2025 02:03

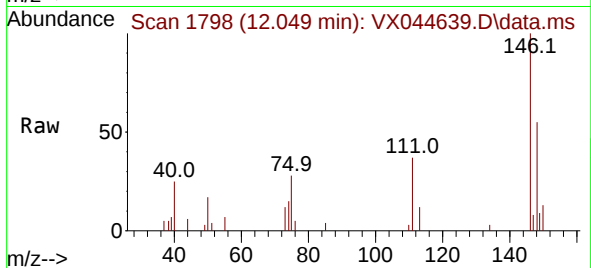
Tgt Ion:146	Resp:	3156
Ion	Ratio	Lower Upper
146	100	
111	47.1	21.7 65.1
148	71.2	32.1 96.5



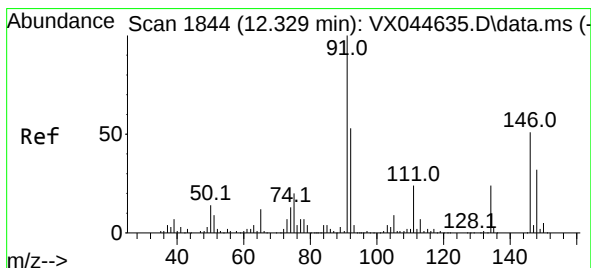
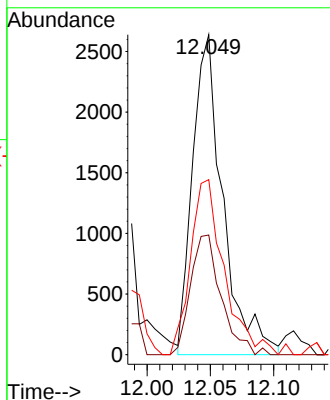
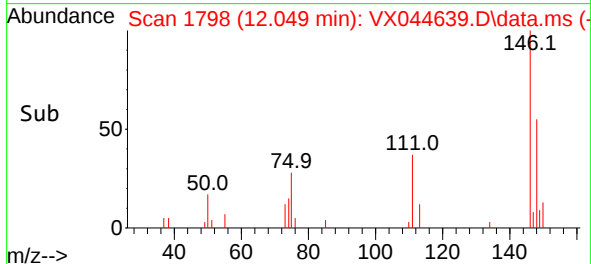


#84
1,4-Dichlorobenzene
Concen: 1.052 ug/l
RT: 12.049 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

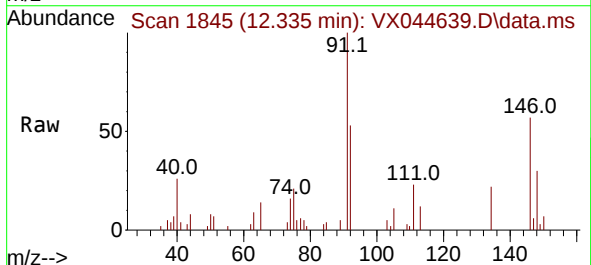
Instrument :
MSVOA_X
ClientSampleId :



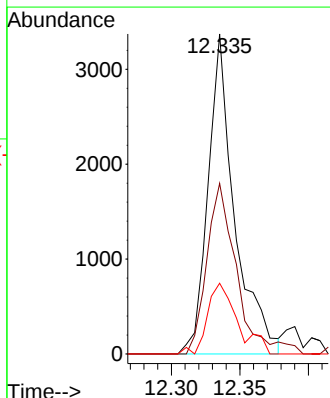
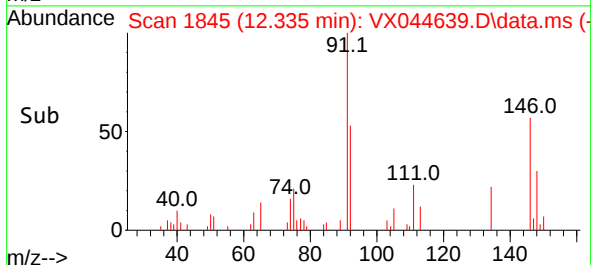
Tgt Ion:146 Resp: 4402
Ion Ratio Lower Upper
146 100
111 37.4 21.1 63.1
148 58.8 32.6 98.0

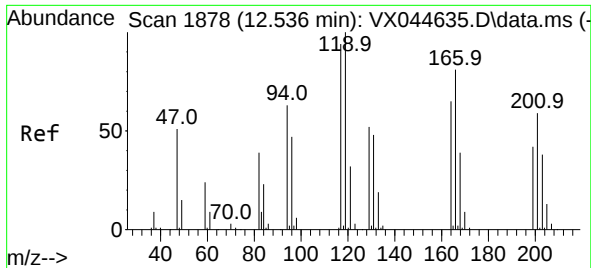


#85
n-Butylbenzene
Concen: 0.662 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03



Tgt Ion: 91 Resp: 4548
Ion Ratio Lower Upper
91 100
92 57.2 0.0 105.0
134 21.2 0.0 50.0

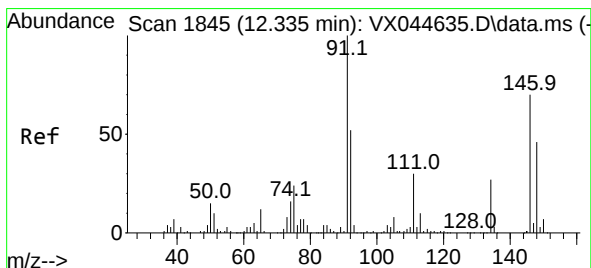
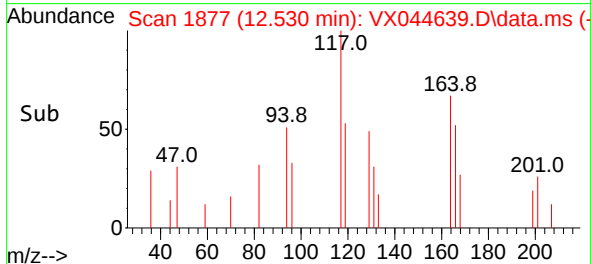
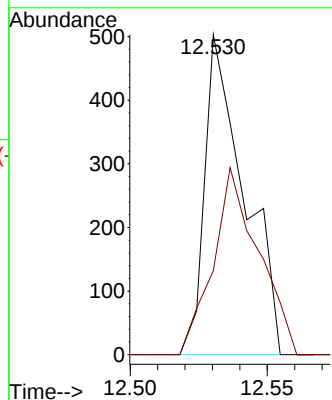
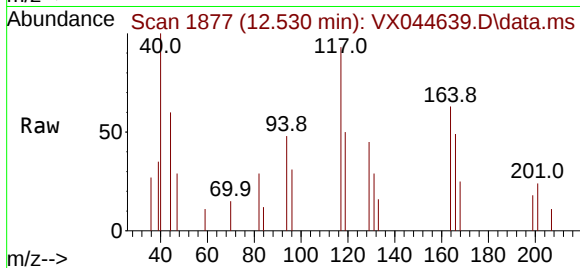




#86
Hexachloroethane
Concen: 0.396 ug/l
RT: 12.530 min Scan# 117
Delta R.T. -0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

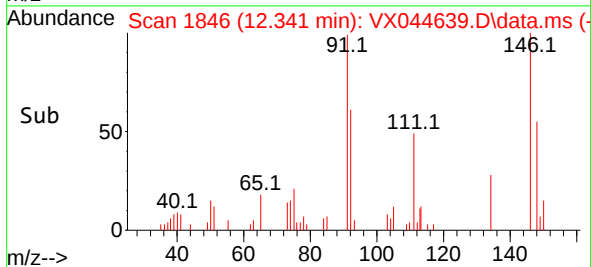
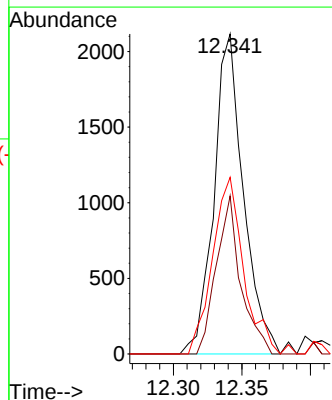
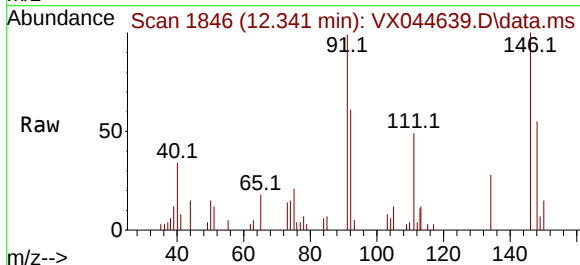
Instrument :
MSVOA_X
ClientSampleId :

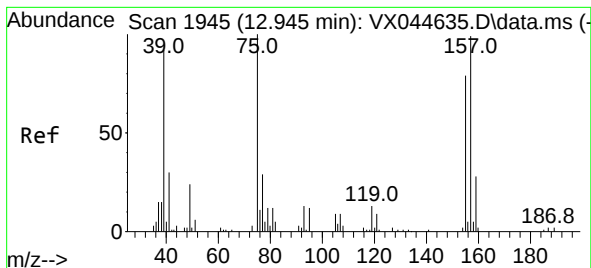
Tgt Ion:117 Resp: 504
Ion Ratio Lower Upper
117 100
201 67.3 32.8 98.4



#87
1,2-Dichlorobenzene
Concen: 0.742 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

Tgt Ion:146 Resp: 3167
Ion Ratio Lower Upper
146 100
111 41.0 21.9 65.7
148 58.1 32.0 96.0

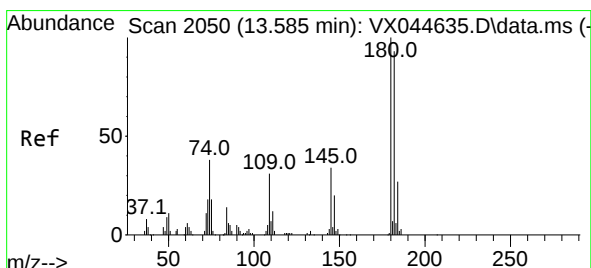
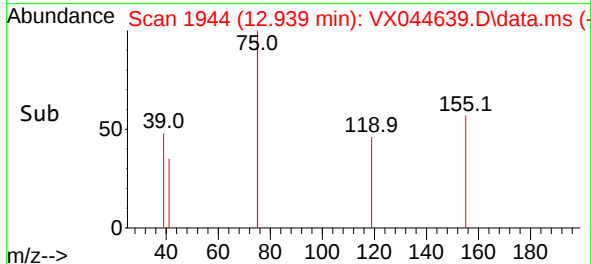
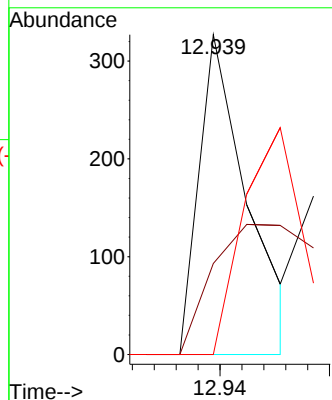
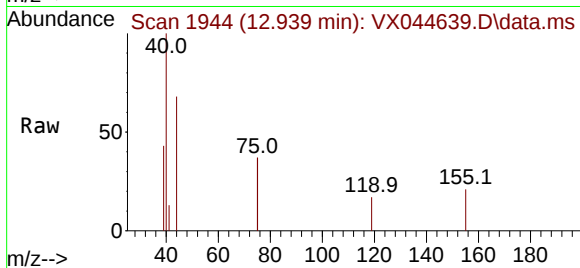




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.343 ug/l
 RT: 12.939 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX044639.D
 Acq: 09 Jan 2025 02:03

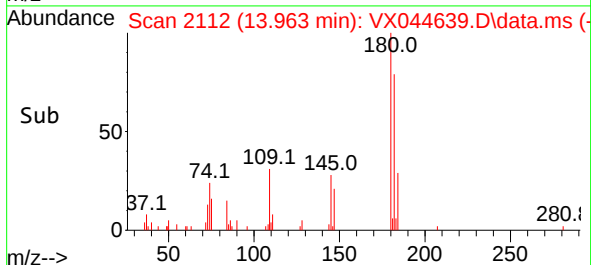
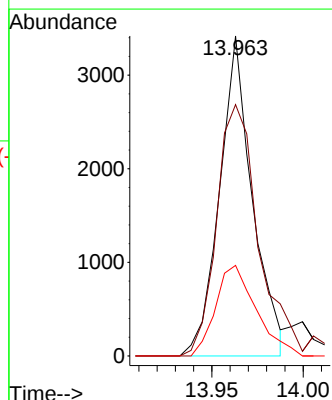
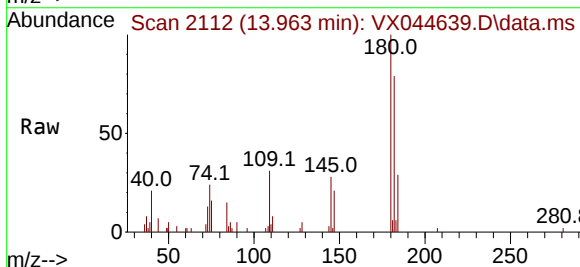
Instrument :
 MSVOA_X
 ClientSampleId :

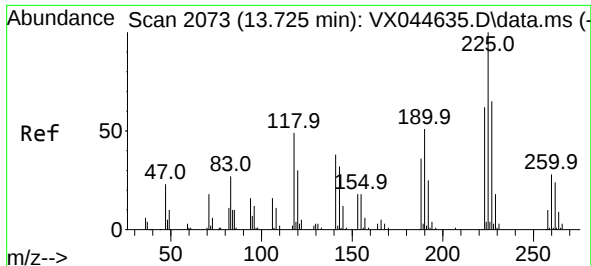
Tgt Ion: 75 Resp: 202
 Ion Ratio Lower Upper
 75 100
 155 0.0 60.6 90.8#
 157 0.0 77.9 116.9#



#89
 1,2,4-Trichlorobenzene
 Concen: 1.742 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.378 min
 Lab File: VX044639.D
 Acq: 09 Jan 2025 02:03

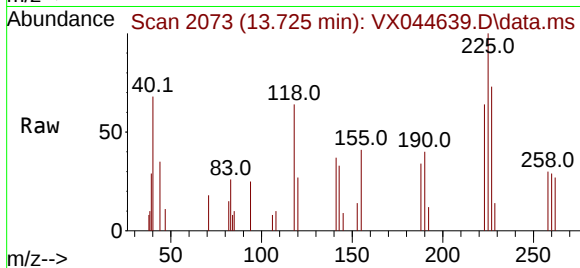
Tgt Ion:180 Resp: 4265
 Ion Ratio Lower Upper
 180 100
 182 99.9 75.9 113.9
 145 35.0 26.7 40.1



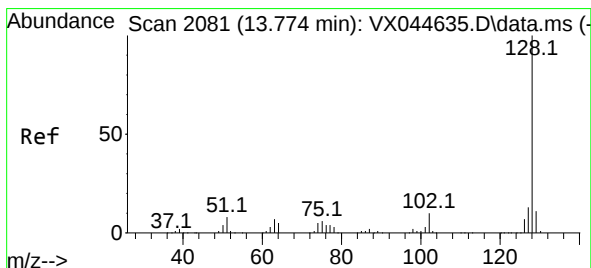
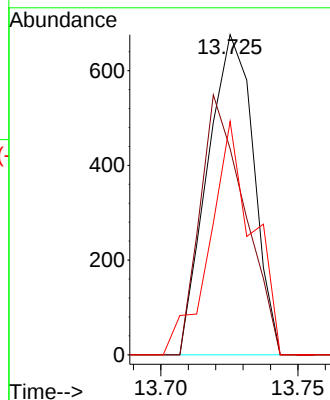
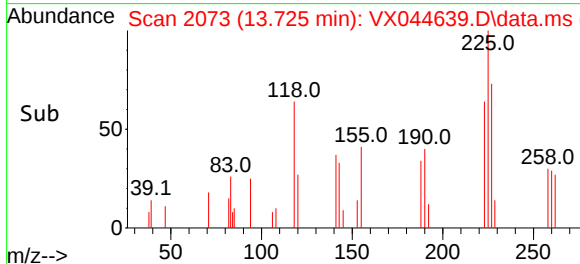


#90
Hexachlorobutadiene
Concen: 0.798 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03

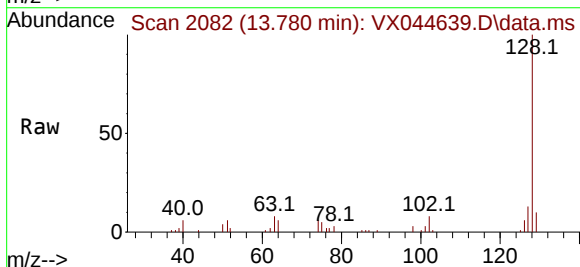
Instrument :
MSVOA_X
ClientSampleId :



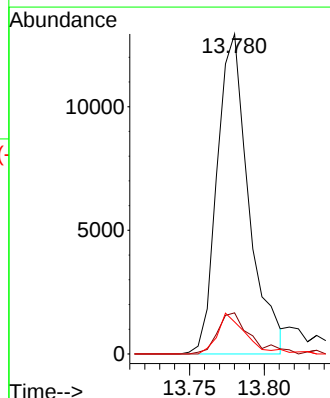
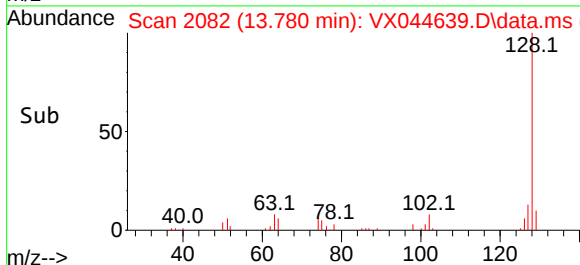
Tgt Ion:225 Resp: 791
Ion Ratio Lower Upper
225 100
223 77.9 0.0 124.0
227 67.8 0.0 134.6

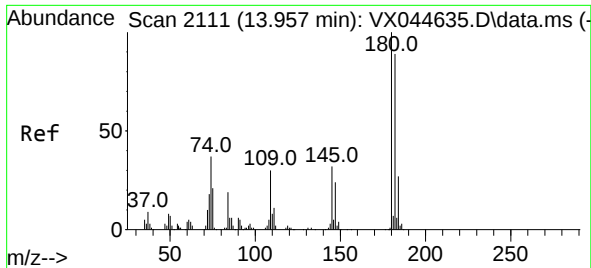


#91
Naphthalene
Concen: 2.294 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044639.D
Acq: 09 Jan 2025 02:03



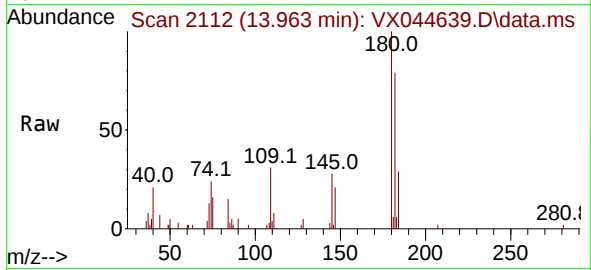
Tgt Ion:128 Resp: 19006
Ion Ratio Lower Upper
128 100
127 11.9 10.4 15.6
129 10.8 8.8 13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 1.696 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX044639.D
 Acq: 09 Jan 2025 02:03

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	4265
Ion	Ratio	Lower	Upper
180	100		
182	99.9	0.0	191.2
145	35.0	0.0	67.0

