

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023160.D
 Acq On : 19 Aug 2025 19:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 01:34:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	453917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	726912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	647238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	333557	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	213375	49.322	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.634	113	217058	49.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.800%
50) Toluene-d8	10.103	98	864097	50.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.700%
62) 4-Bromofluorobenzene	12.401	95	274917	50.308	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.620%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	145094	39.160	ug/l	98
3) Chloromethane	2.068	50	276875	46.137	ug/l	97
4) Vinyl Chloride	2.202	62	354948	47.848	ug/l	100
5) Bromomethane	2.592	94	278901	50.342	ug/l	100
6) Chloroethane	2.732	64	250831	50.860	ug/l	100
7) Trichlorofluoromethane	3.049	101	405455	44.950	ug/l	99
8) Diethyl Ether	3.452	74	111202	46.597	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	200633	45.085	ug/l	99
10) Methyl Iodide	4.001	142	263764	54.928	ug/l	98
11) Tert butyl alcohol	4.860	59	62641	211.323	ug/l	100
12) 1,1-Dichloroethene	3.787	96	206109	47.120	ug/l	97
13) Acrolein	3.647	56	48005	110.581	ug/l	97
14) Allyl chloride	4.378	41	288345	44.800	ug/l	97
15) Acrylonitrile	5.049	53	228651	235.673	ug/l	98
16) Acetone	3.866	43	175331	187.073	ug/l	97
17) Carbon Disulfide	4.104	76	657020	46.066	ug/l	100
18) Methyl Acetate	4.385	43	140261	50.290	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	538168	47.480	ug/l	99
20) Methylene Chloride	4.610	84	244646	50.247	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	246365	50.119	ug/l	99
22) Diisopropyl ether	6.018	45	670200	47.919	ug/l	99
23) Vinyl Acetate	5.957	43	1726827	223.289	ug/l	98
24) 1,1-Dichloroethane	5.915	63	423462	49.522	ug/l	99
25) 2-Butanone	6.896	43	268264	210.456	ug/l	97
26) 2,2-Dichloropropane	6.884	77	330025	44.729	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	286353	50.390	ug/l	97
28) Bromochloromethane	7.244	49	168646	49.712	ug/l	96
29) Tetrahydrofuran	7.256	42	176959	223.965	ug/l	96
30) Chloroform	7.421	83	447102	50.699	ug/l	98
31) Cyclohexane	7.701	56	338813	42.047	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	386894	49.443	ug/l	100
36) 1,1-Dichloropropene	7.835	75	308640	47.746	ug/l	99
37) Ethyl Acetate	6.982	43	120682	44.444	ug/l	99
38) Carbon Tetrachloride	7.817	117	341297	48.612	ug/l	99
39) Methylcyclohexane	9.109	83	387997	45.580	ug/l	95
40) Benzene	8.079	78	999546	50.170	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	65626	41.877	ug/l	87
42) 1,2-Dichloroethane	8.158	62	253049	48.835	ug/l	100
43) Isopropyl Acetate	8.195	43	245293	44.694	ug/l	97
44) Trichloroethene	8.865	130	266609	51.782	ug/l	100
45) 1,2-Dichloropropane	9.140	63	228425	49.829	ug/l	99
46) Dibromomethane	9.231	93	131481	49.971	ug/l	99
47) Bromodichloromethane	9.420	83	343279	50.703	ug/l	99
48) Methyl methacrylate	9.219	41	118237	45.021	ug/l	95
49) 1,4-Dioxane	9.225	88	29199	946.444	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	656710	231.971	ug/l	98
52) Toluene	10.170	92	647611	51.179	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	296104	48.297	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	353426	48.751	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	176672	50.180	ug/l	98
56) Ethyl methacrylate	10.438	69	217938	48.375	ug/l	98
57) 1,3-Dichloropropane	10.713	76	292293	48.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	551100	259.330	ug/l	98
59) 2-Hexanone	10.755	43	435049	225.681	ug/l	100
60) Dibromochloromethane	10.908	129	238623	51.365	ug/l	100
61) 1,2-Dibromoethane	11.011	107	164095	49.588	ug/l	99
64) Tetrachloroethene	10.646	164	323963	56.055	ug/l	98
65) Chlorobenzene	11.438	112	704107	50.434	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.511	131	243596	51.411	ug/l	100
67) Ethyl Benzene	11.517	91	1222605	50.888	ug/l	98
68) m/p-Xylenes	11.627	106	966978	103.051	ug/l	98
69) o-Xylene	11.950	106	455236	51.799	ug/l	99
70) Styrene	11.969	104	763639	53.132	ug/l	98
71) Bromoform	12.127	173	135638	48.980	ug/l #	99
73) Isopropylbenzene	12.249	105	1161331	49.330	ug/l	99
74) N-amyl acetate	12.066	43	217737	43.613	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	172951	43.025	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	248637	77.236	ug/l #	100
77) Bromobenzene	12.529	156	273466	48.690	ug/l	98
78) n-propylbenzene	12.590	91	1387452	49.502	ug/l	99
79) 2-Chlorotoluene	12.676	91	784149	48.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	954748	50.180	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	57362	43.134	ug/l	99
82) 4-Chlorotoluene	12.773	91	816232	48.995	ug/l	99
83) tert-Butylbenzene	12.993	119	857857	49.921	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	956661	50.510	ug/l	99
85) sec-Butylbenzene	13.170	105	1249164	49.485	ug/l	100
86) p-Isopropyltoluene	13.285	119	1065308	50.842	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	549837	49.644	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	534086	48.611	ug/l	99
89) n-Butylbenzene	13.615	91	957330	49.746	ug/l	99
90) Hexachloroethane	13.877	117	214503	50.008	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	477680	49.177	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28063	44.839	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	261664	45.553	ug/l	98
94) Hexachlorobutadiene	15.017	225	153359	45.434	ug/l	98
95) Naphthalene	15.139	128	452211	46.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	224276	45.311	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

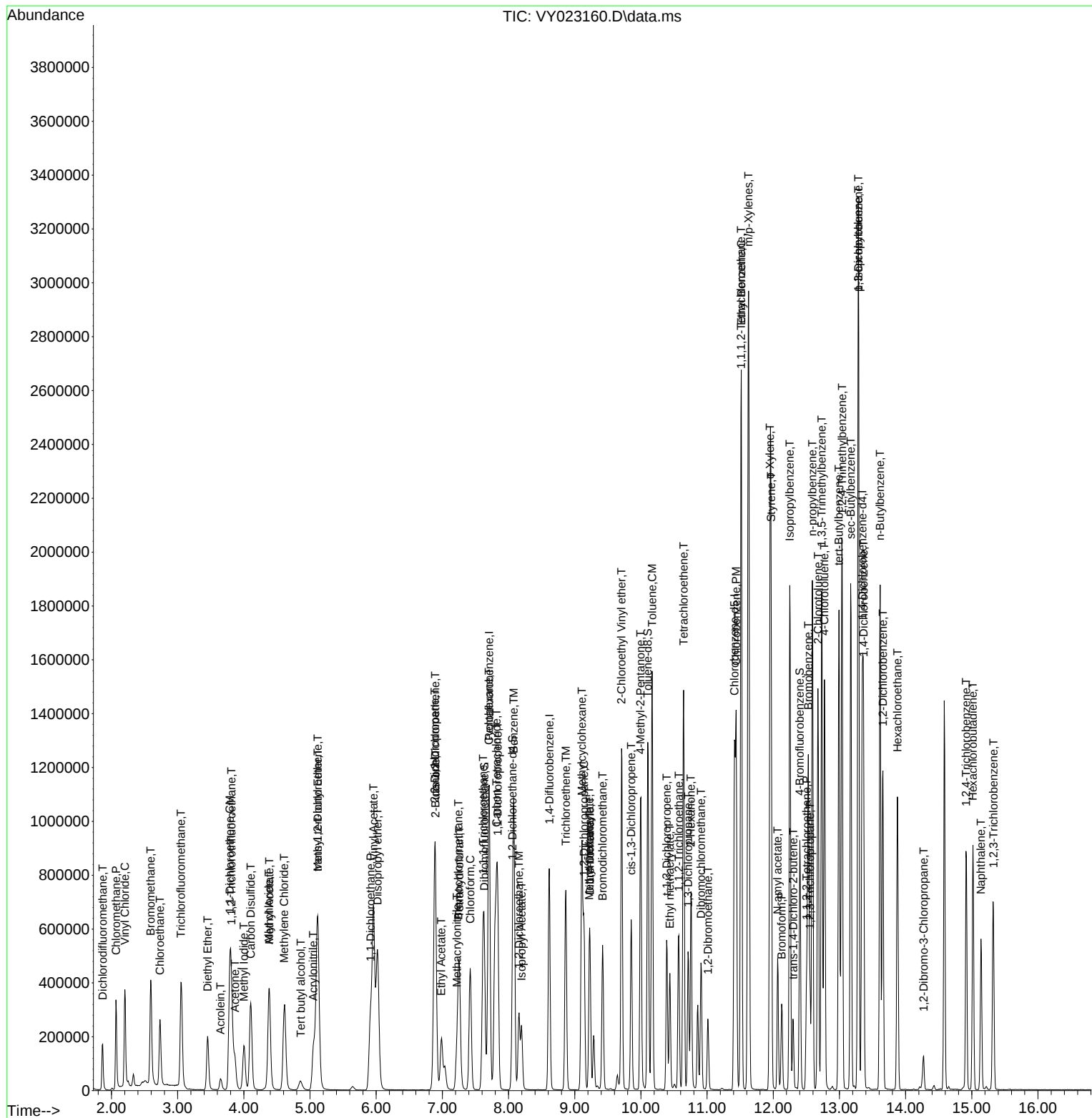
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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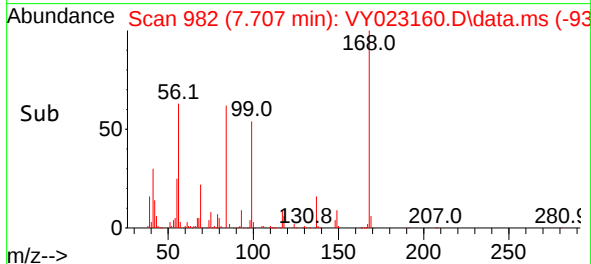
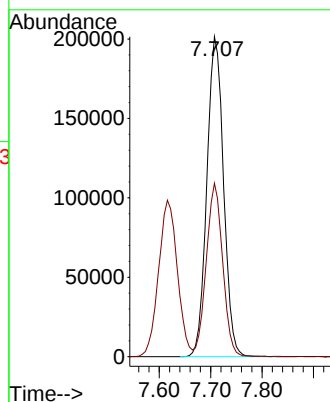
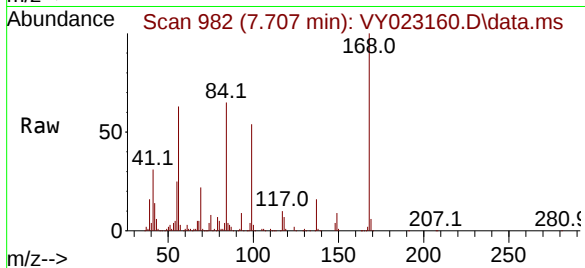




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023160.D
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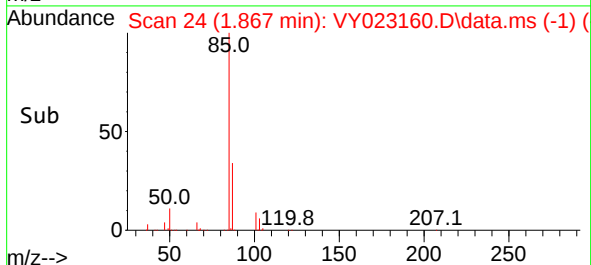
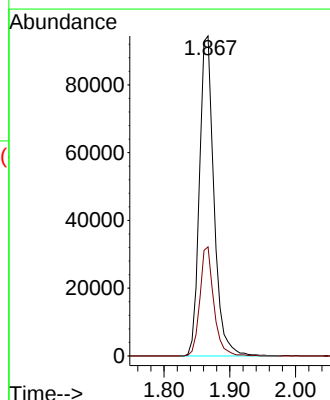
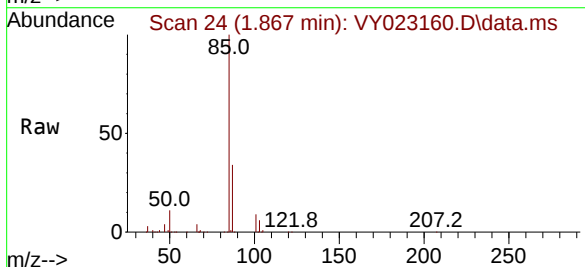
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 453917
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 39.160 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 85 Resp: 145094
Ion Ratio Lower Upper
85 100
87 34.1 16.6 49.8

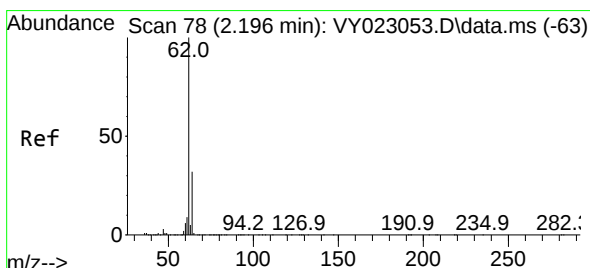
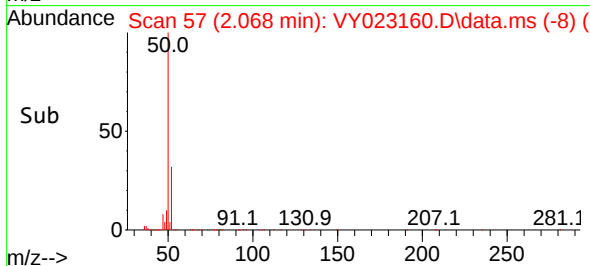
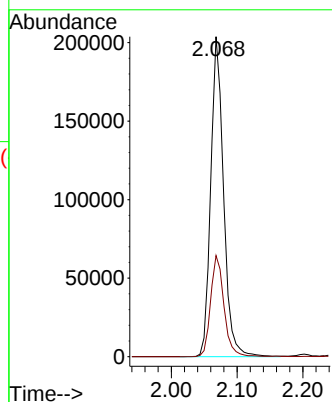
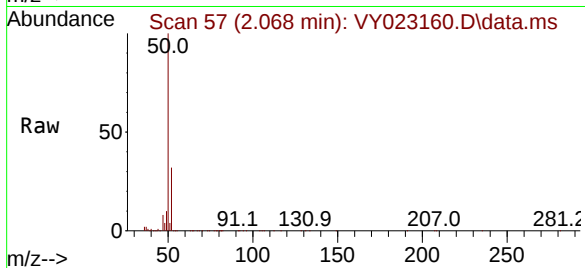




#3
Chloromethane
Concen: 46.137 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

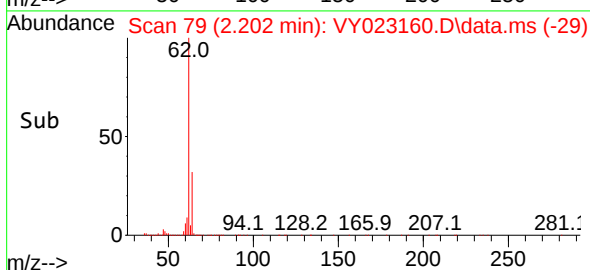
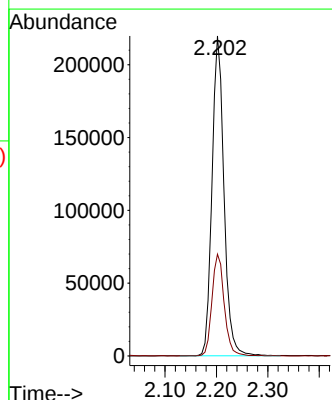
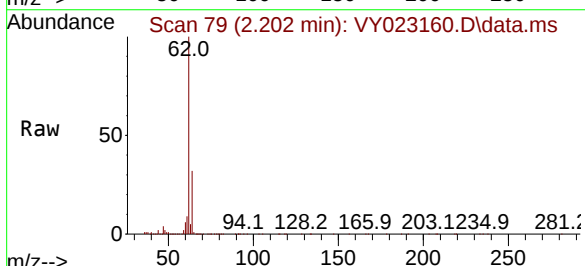
Instrument :
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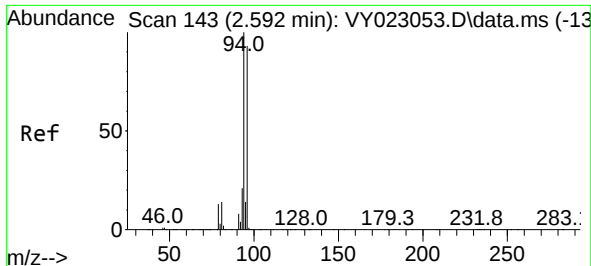
Tgt Ion: 50 Resp: 276875
Ion Ratio Lower Upper
50 100
52 31.6 26.7 40.1



#4
Vinyl Chloride
Concen: 47.848 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 62 Resp: 354948
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0

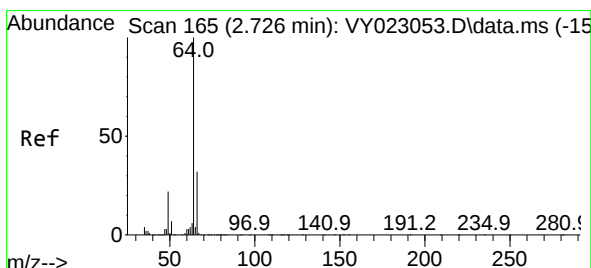
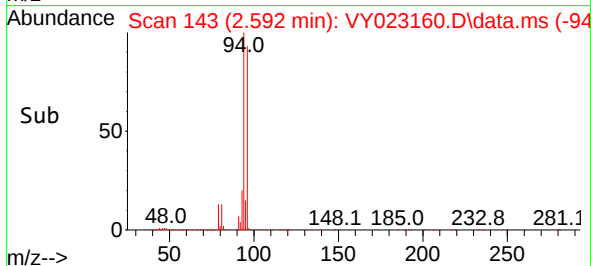
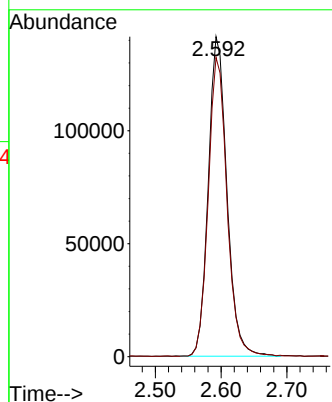
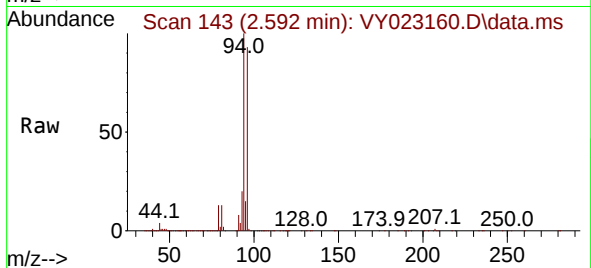




#5
Bromomethane
Concen: 50.342 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

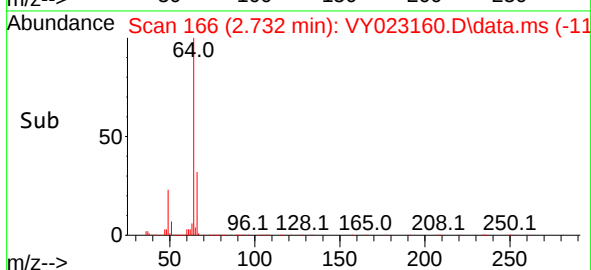
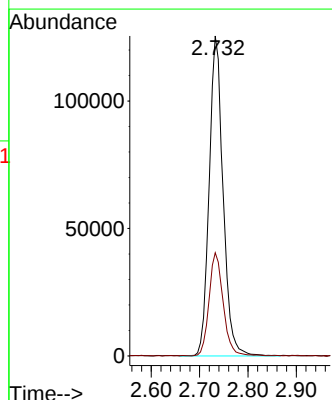
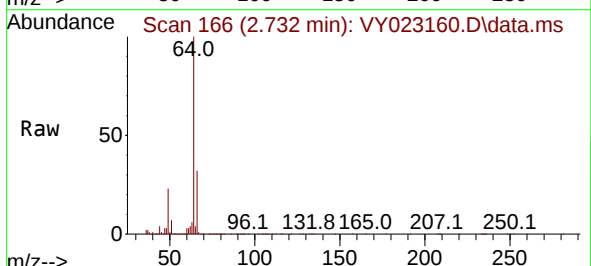
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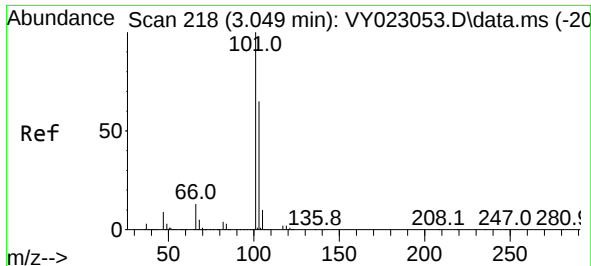
Tgt Ion: 94 Resp: 278901
Ion Ratio Lower Upper
94 100
96 93.5 74.6 112.0



#6
Chloroethane
Concen: 50.860 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 64 Resp: 250831
Ion Ratio Lower Upper
64 100
66 32.1 25.8 38.6

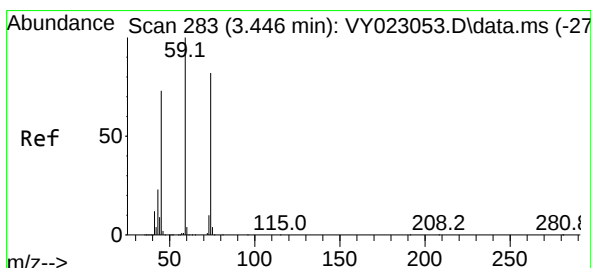
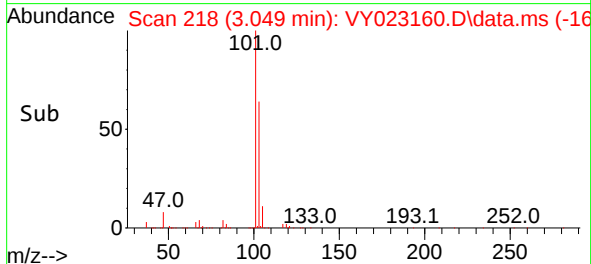
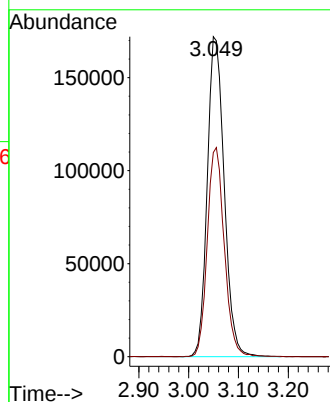
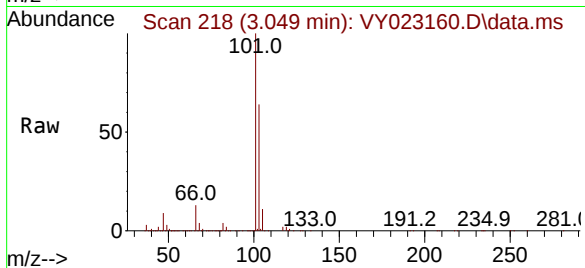




#7
 Trichlorofluoromethane
 Concen: 44.950 ug/l
 RT: 3.049 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

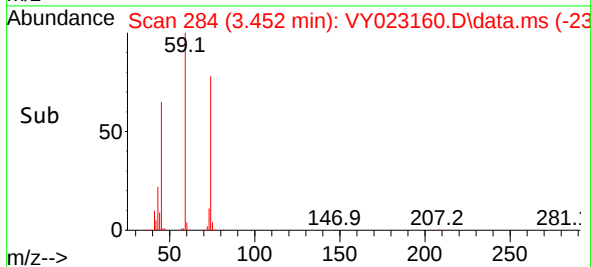
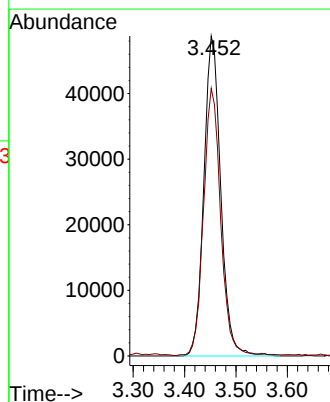
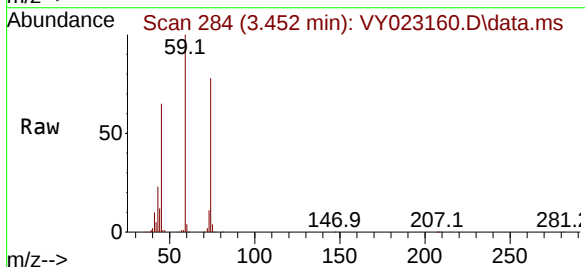
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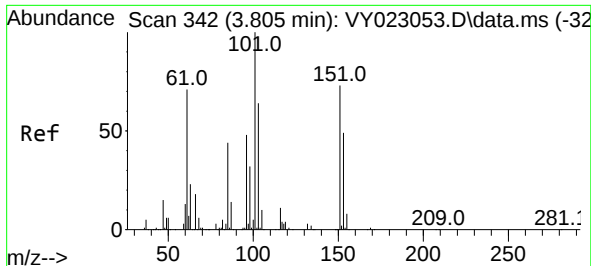
Tgt Ion:101 Resp: 405455
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9



#8
 Diethyl Ether
 Concen: 46.597 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion: 74 Resp: 111202
 Ion Ratio Lower Upper
 74 100
 45 84.5 44.4 133.2

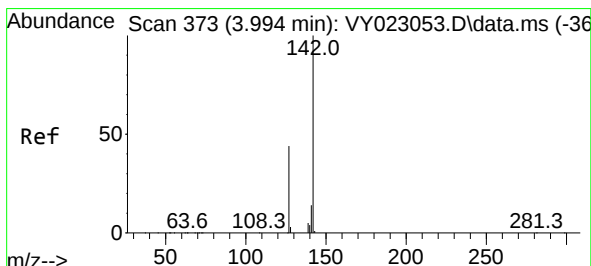
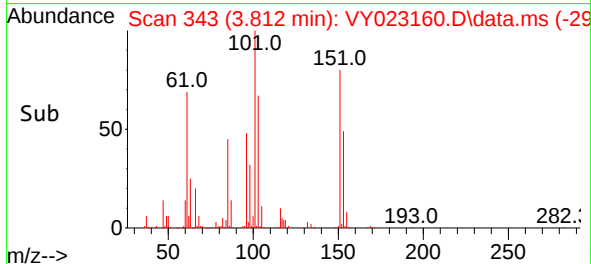
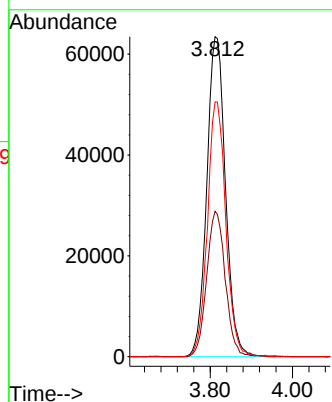
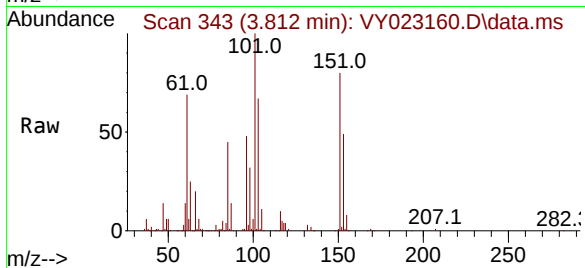




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.085 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023160.D
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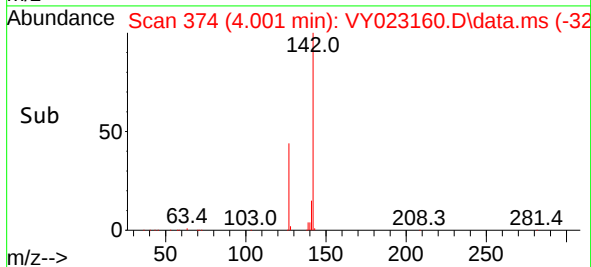
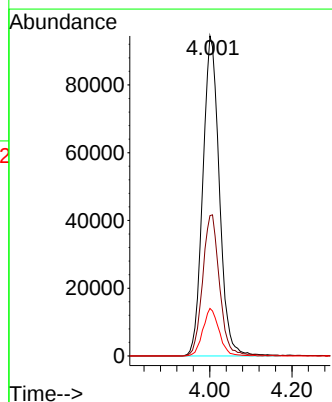
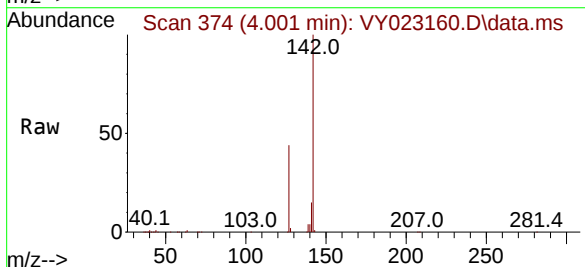
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 200633
Ion Ratio Lower Upper
101 100
85 45.2 36.3 54.5
151 78.1 61.5 92.3



#10
Methyl Iodide
Concen: 54.928 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:142 Resp: 263764
Ion Ratio Lower Upper
142 100
127 45.1 34.9 52.3
141 14.6 11.3 16.9

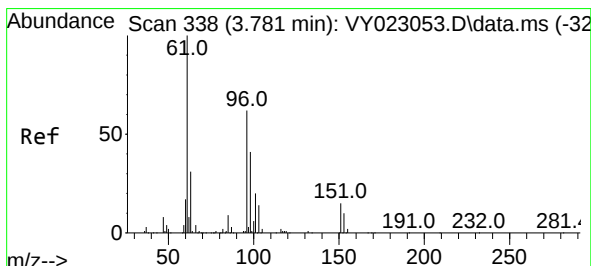
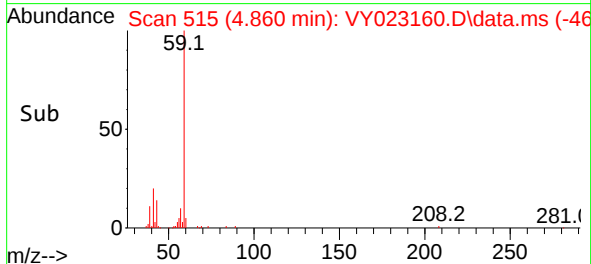
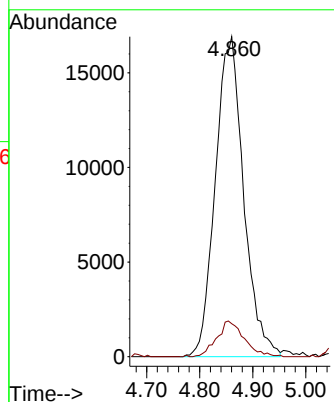
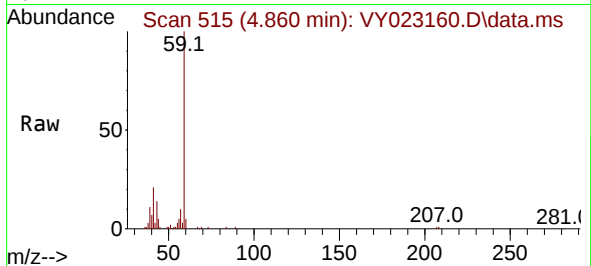




#11
Tert butyl alcohol
Concen: 211.323 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

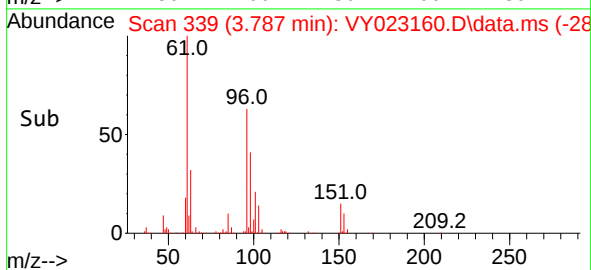
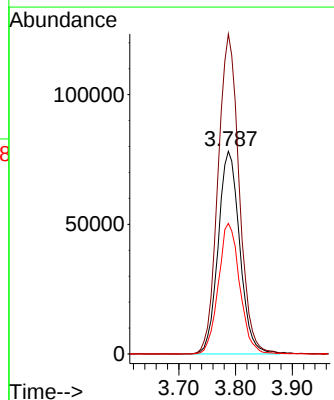
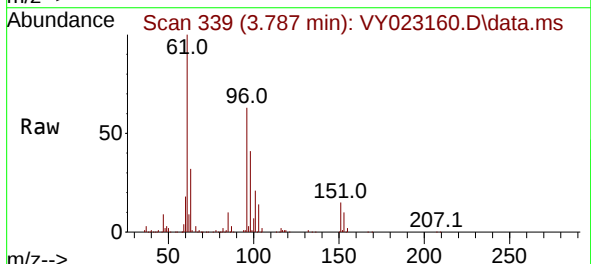
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

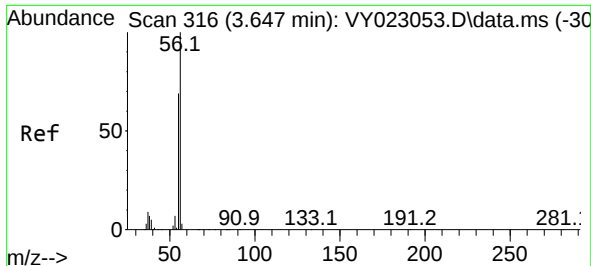
Tgt Ion: 59 Resp: 62641
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0



#12
1,1-Dichloroethene
Concen: 47.120 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 96 Resp: 206109
Ion Ratio Lower Upper
96 100
61 157.9 129.4 194.2
98 64.4 52.8 79.2

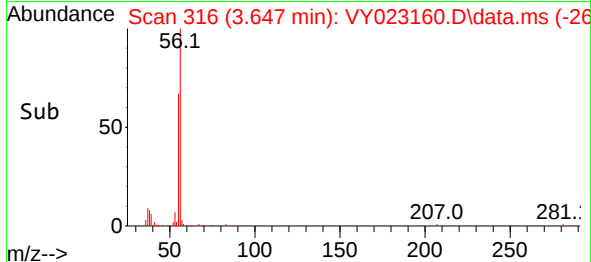
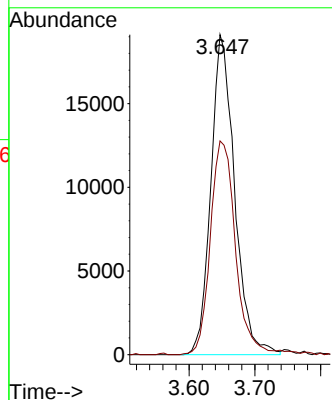
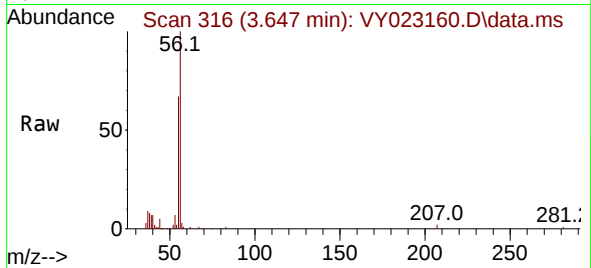




#13
Acrolein
Concen: 110.581 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

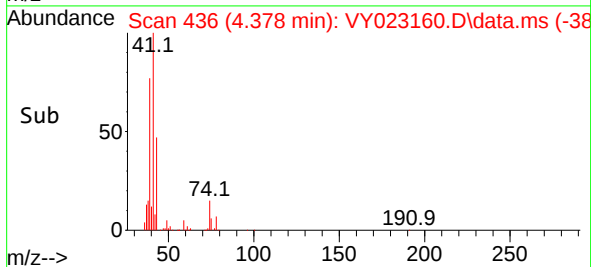
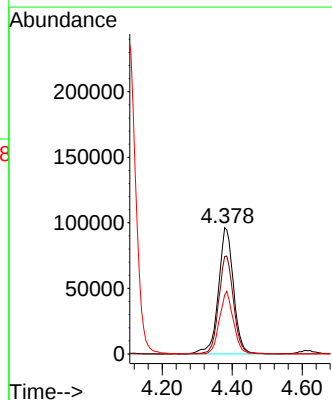
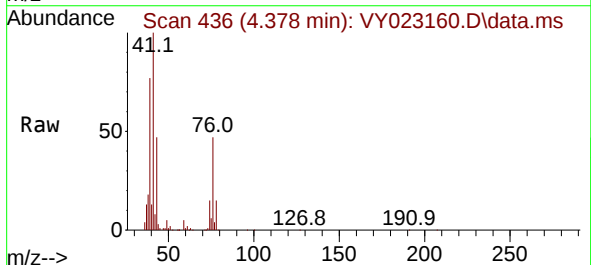
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

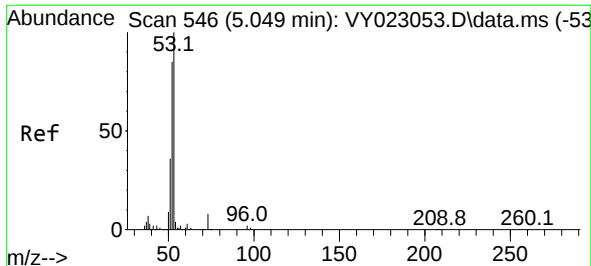
Tgt Ion: 56 Resp: 48005
Ion Ratio Lower Upper
56 100
55 71.1 55.2 82.8



#14
Allyl chloride
Concen: 44.800 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 288345
Ion Ratio Lower Upper
41 100
39 76.3 59.8 89.6
76 45.6 33.7 50.5

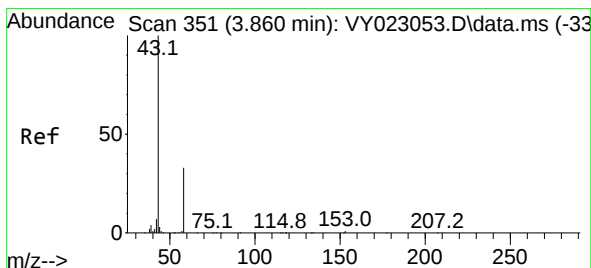
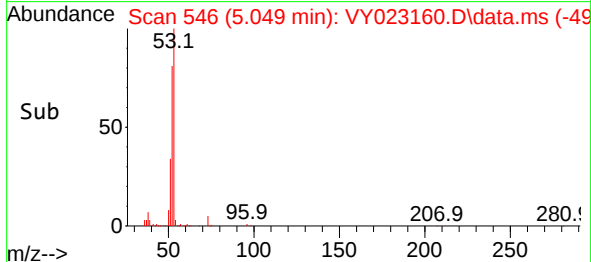
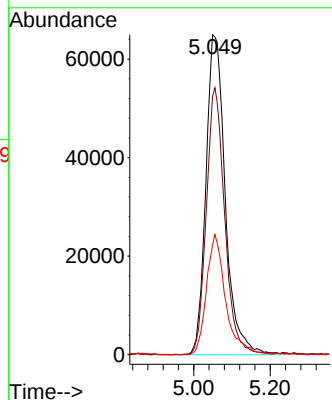
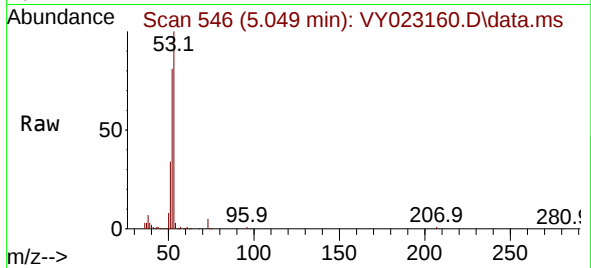




#15
Acrylonitrile
Concen: 235.673 ug/l
RT: 5.049 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

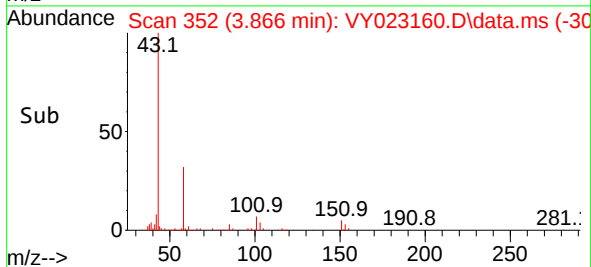
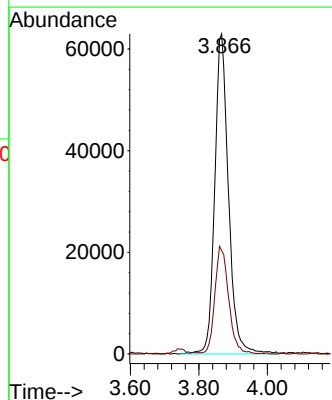
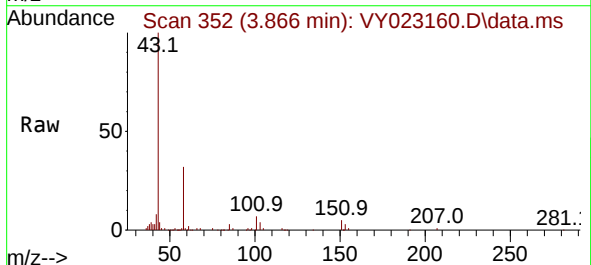
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

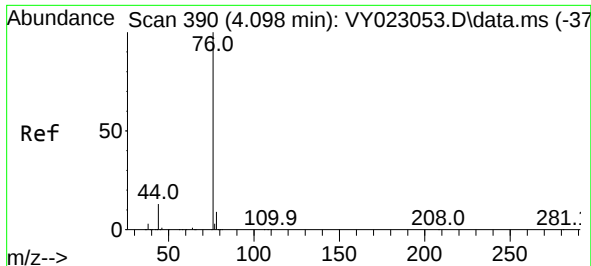
Tgt Ion: 53 Resp: 228651
Ion Ratio Lower Upper
53 100
52 79.4 65.3 97.9
51 37.0 29.5 44.3



#16
Acetone
Concen: 187.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 175331
Ion Ratio Lower Upper
43 100
58 32.1 27.1 40.7

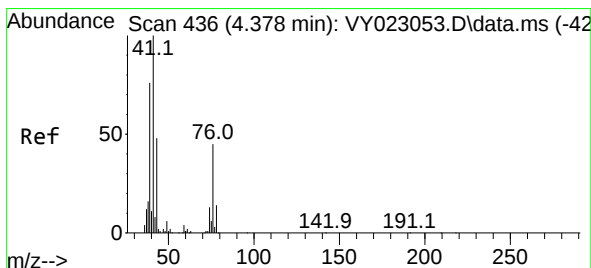
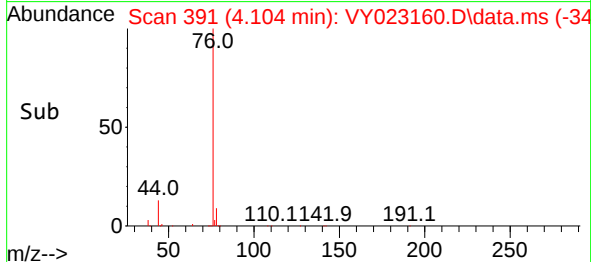
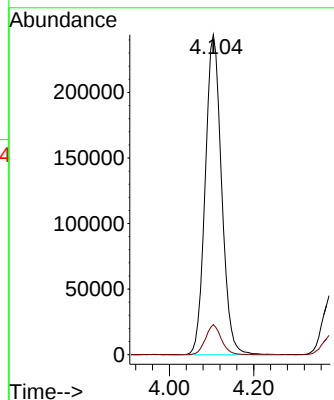
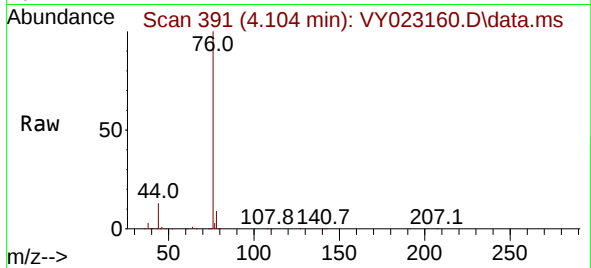




#17
Carbon Disulfide
Concen: 46.066 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

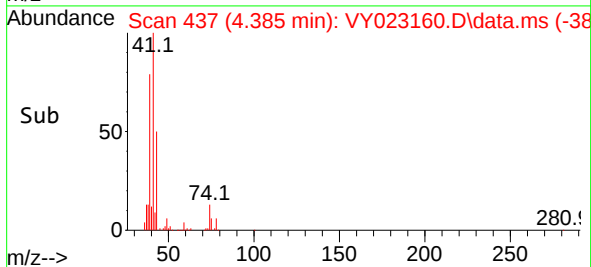
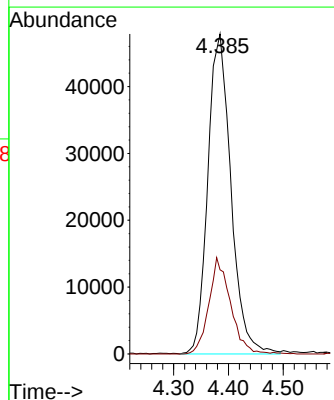
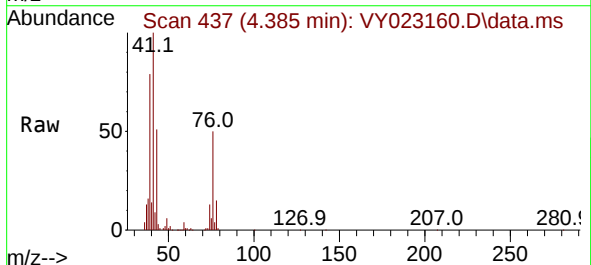
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

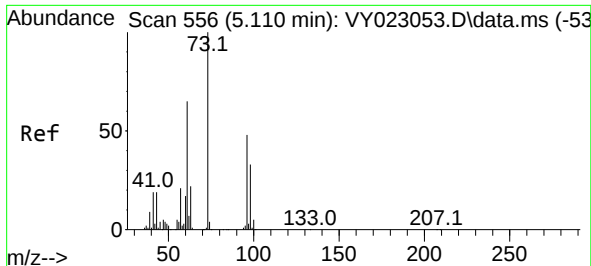
Tgt Ion: 76 Resp: 657020
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 50.290 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 140261
Ion Ratio Lower Upper
43 100
74 28.1 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 47.480 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

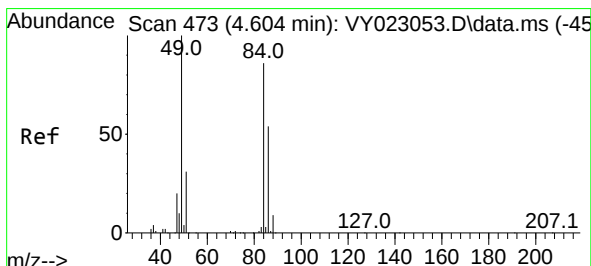
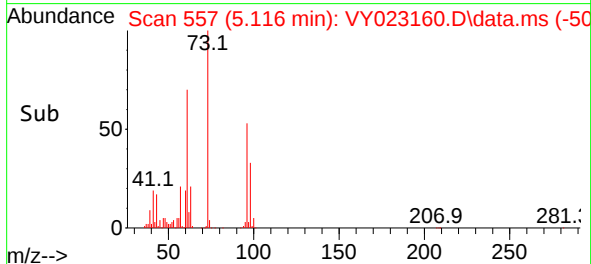
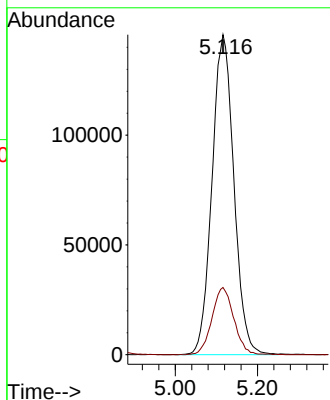
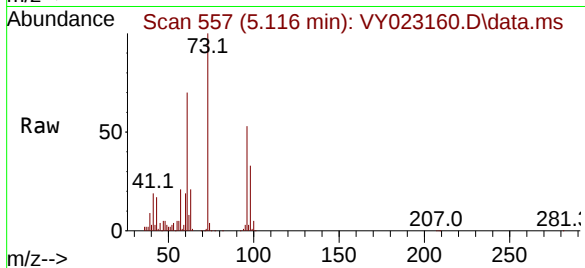
VSTDCCC050EC

Tgt Ion: 73 Resp: 538168

Ion Ratio Lower Upper

73 100

57 21.0 17.1 25.7



#20

Methylene Chloride

Concen: 50.247 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Tgt Ion: 84 Resp: 244646

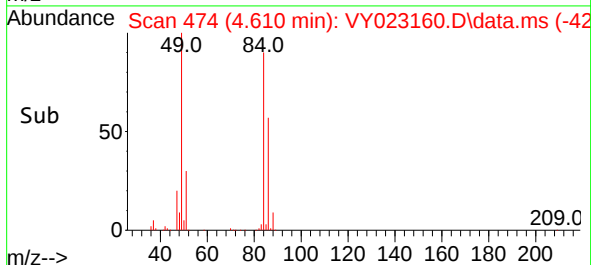
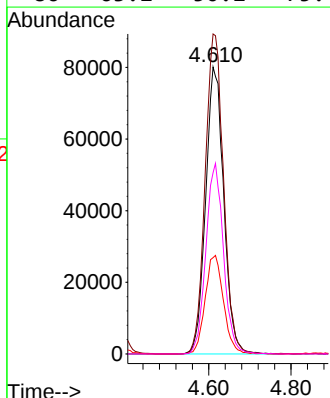
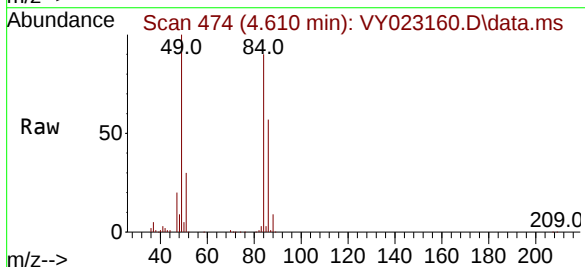
Ion Ratio Lower Upper

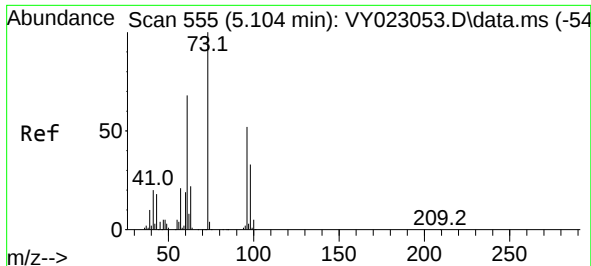
84 100

49 111.5 93.0 139.6

51 33.6 29.0 43.4

86 63.2 50.2 75.4

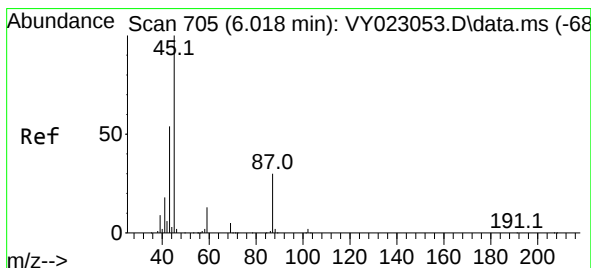
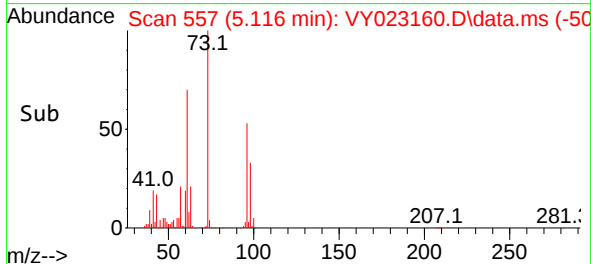
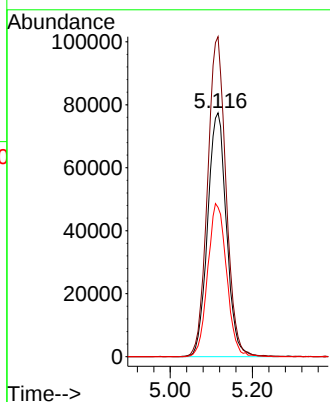
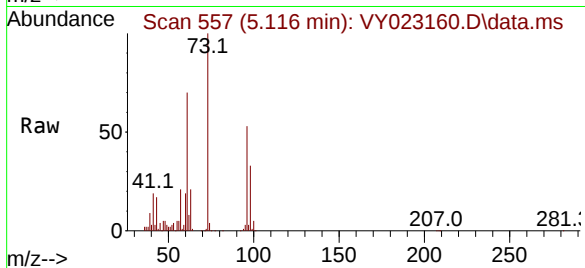




#21
trans-1,2-Dichloroethene
Concen: 50.119 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

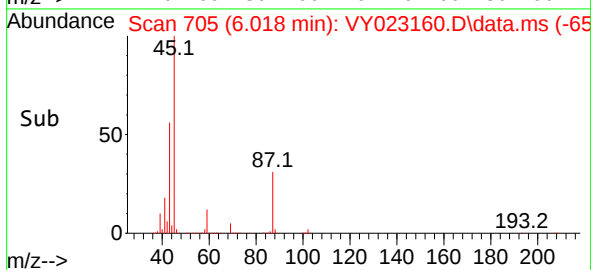
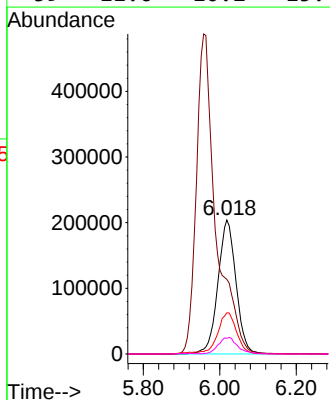
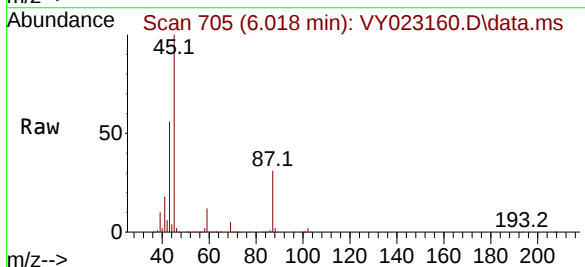
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 246365
Ion Ratio Lower Upper
96 100
61 131.2 104.8 157.2
98 61.2 50.1 75.1



#22
Diisopropyl ether
Concen: 47.919 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 45 Resp: 670200
Ion Ratio Lower Upper
45 100
43 55.5 43.4 65.0
87 30.7 24.4 36.6
59 11.6 10.2 15.4

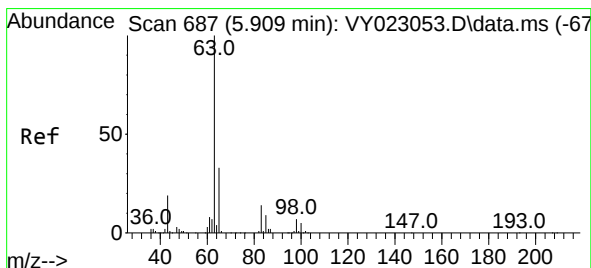
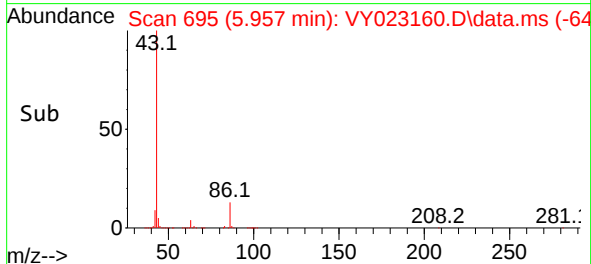
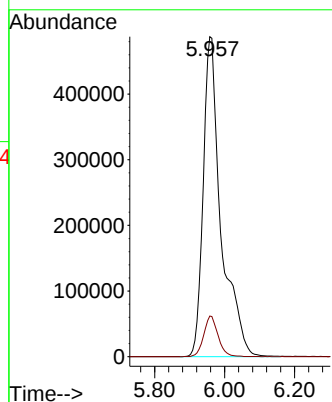
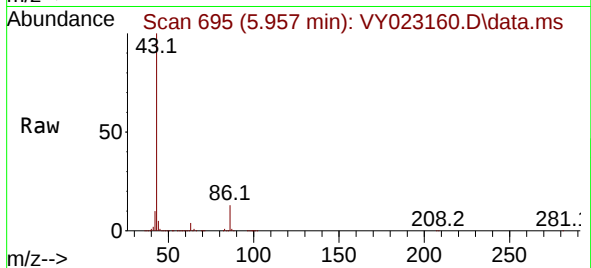




#23
 Vinyl Acetate
 Concen: 223.289 ug/l
 RT: 5.957 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

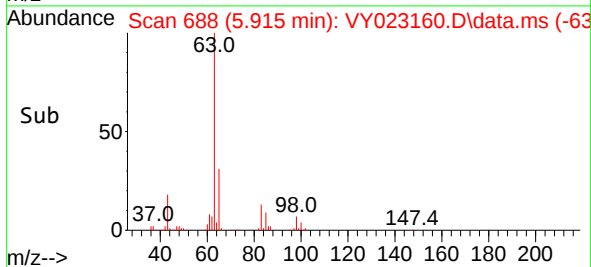
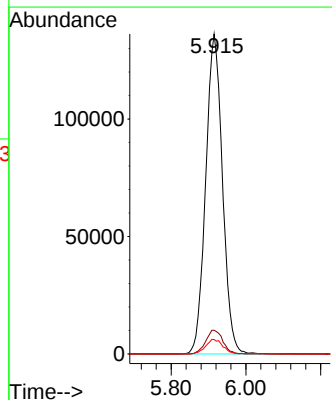
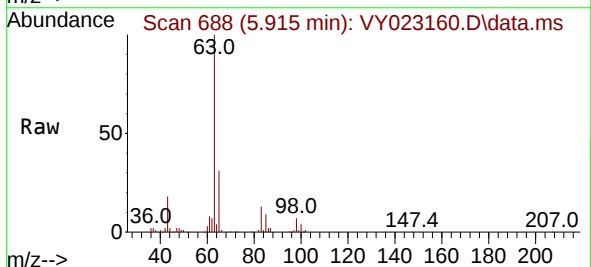
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

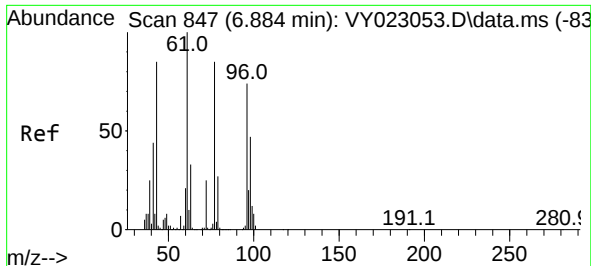
Tgt Ion: 43 Resp: 1726827
 Ion Ratio Lower Upper
 43 100
 86 12.7 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 49.522 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion: 63 Resp: 423462
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.6
 100 4.5 2.4 7.1

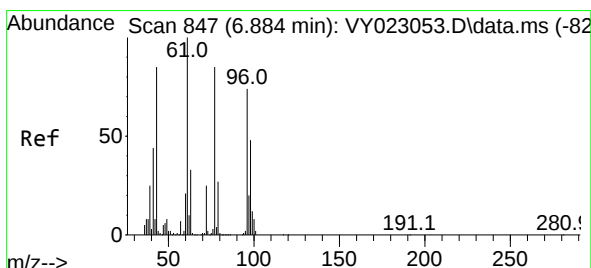
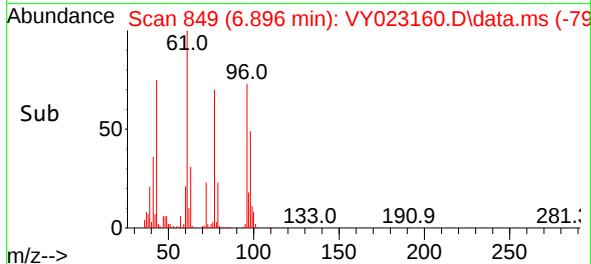
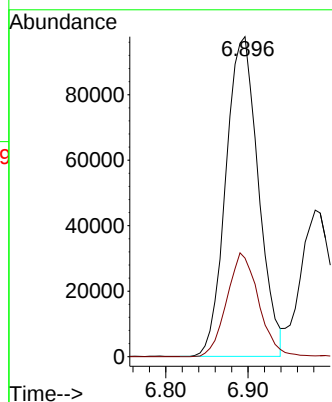
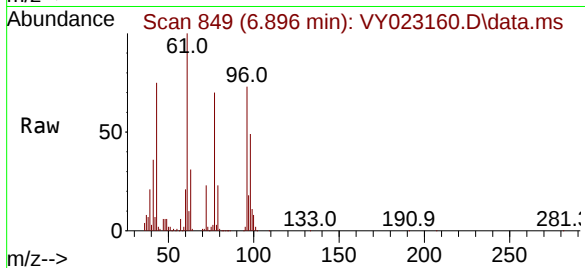




#25
2-Butanone
Concen: 210.456 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

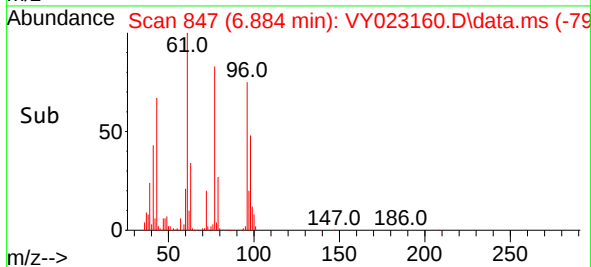
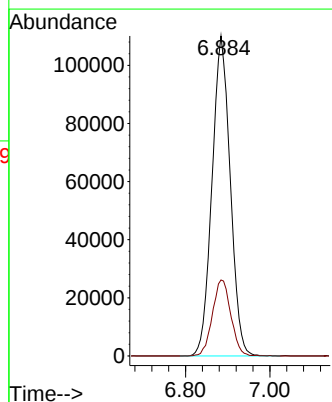
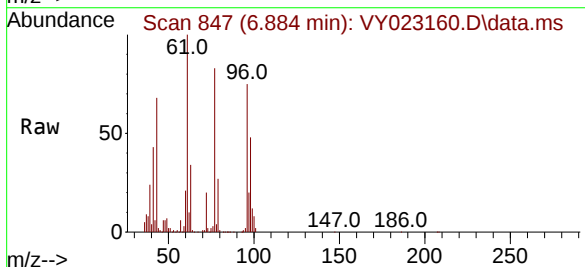
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 268264
Ion Ratio Lower Upper
43 100
72 30.8 23.5 35.3



#26
2,2-Dichloropropane
Concen: 44.729 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 77 Resp: 330025
Ion Ratio Lower Upper
77 100
97 24.0 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 50.390 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

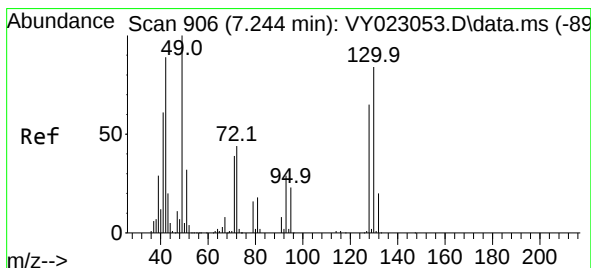
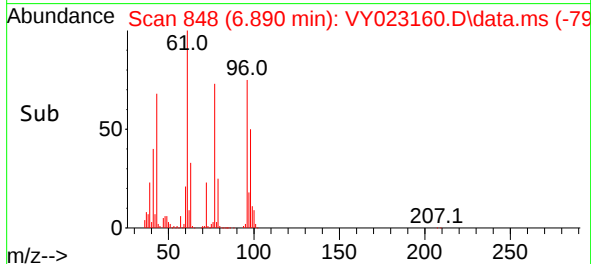
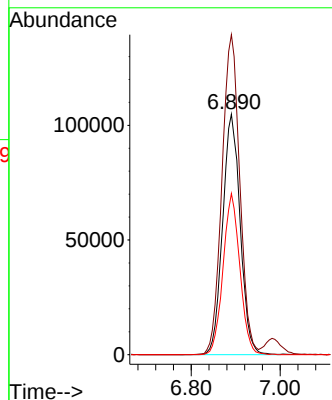
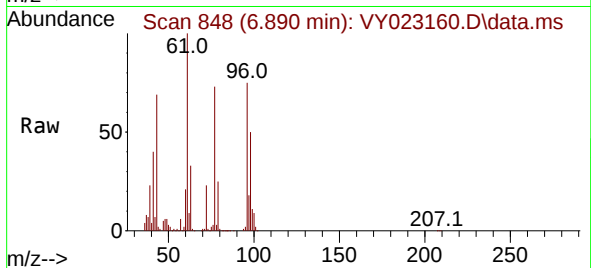
Tgt Ion: 96 Resp: 286353

Ion Ratio Lower Upper

96 100

61 135.0 0.0 278.6

98 64.2 0.0 130.4



#28

Bromochloromethane

Concen: 49.712 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

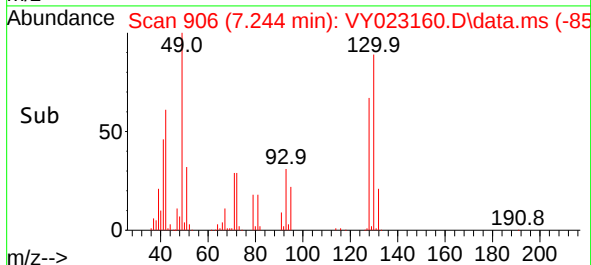
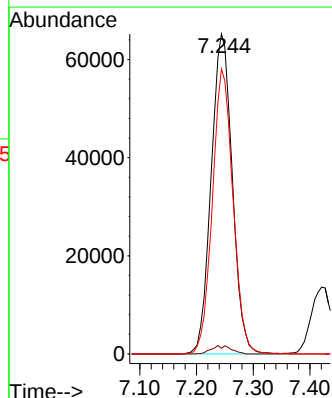
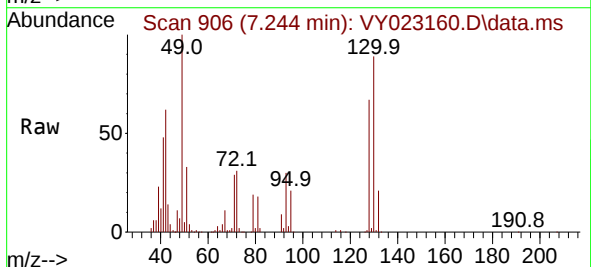
Tgt Ion: 49 Resp: 168646

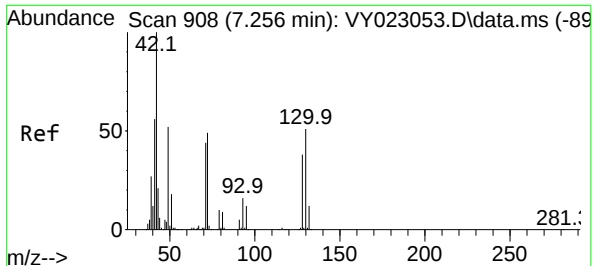
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

130 87.0 66.4 99.6





#29

Tetrahydrofuran

Concen: 223.965 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

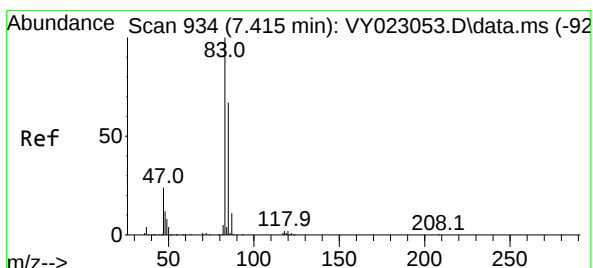
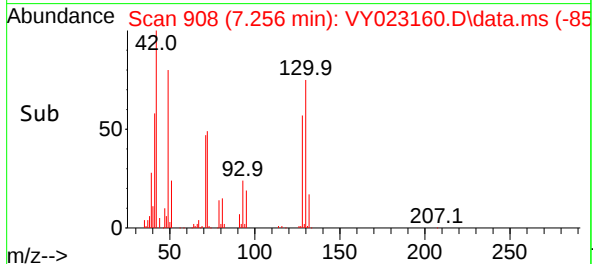
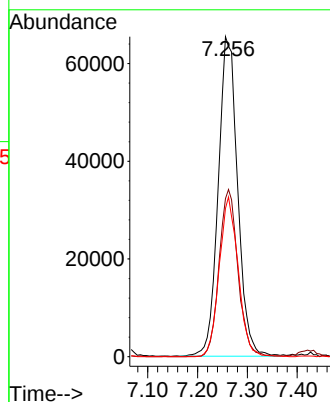
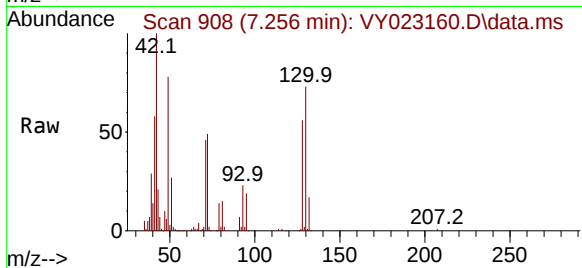
Tgt Ion: 42 Resp: 176959

Ion Ratio Lower Upper

42 100

72 51.0 39.4 59.2

71 48.7 36.5 54.7



#30

Chloroform

Concen: 50.699 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023160.D

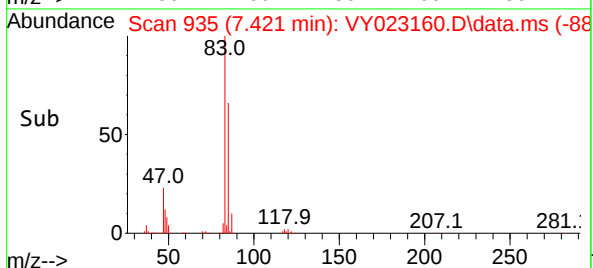
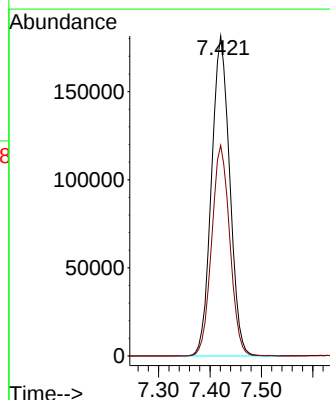
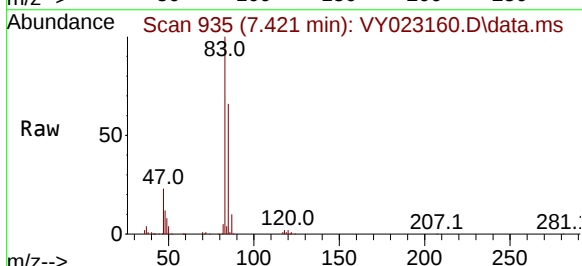
Acq: 19 Aug 2025 19:08

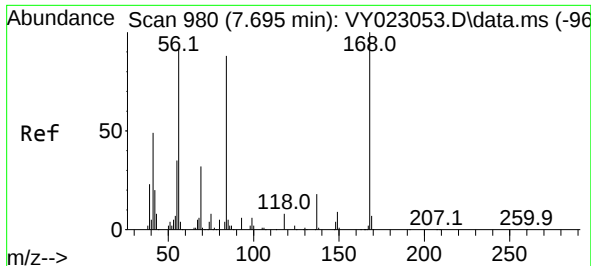
Tgt Ion: 83 Resp: 447102

Ion Ratio Lower Upper

83 100

85 65.8 53.8 80.8

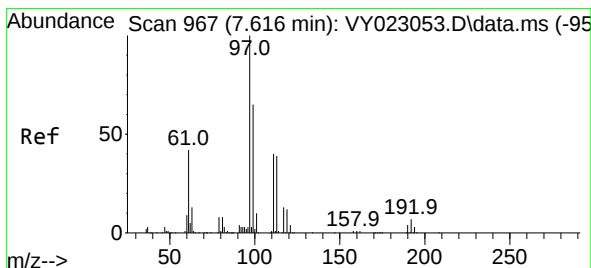
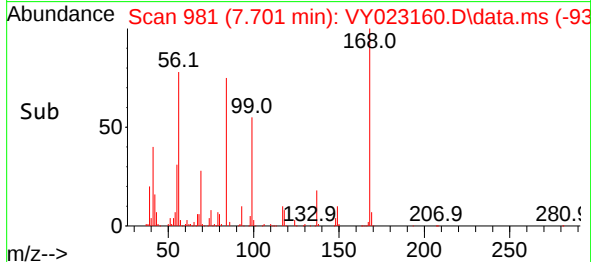
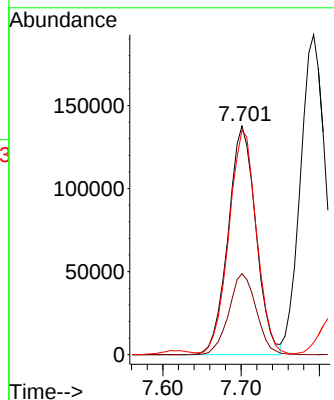
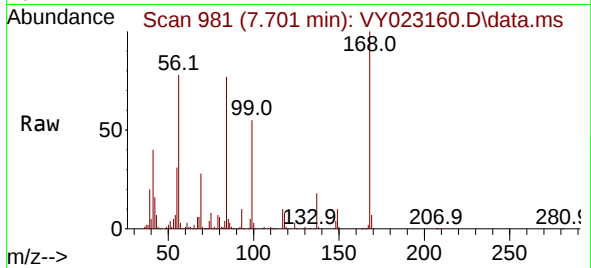




#31
Cyclohexane
Concen: 42.047 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

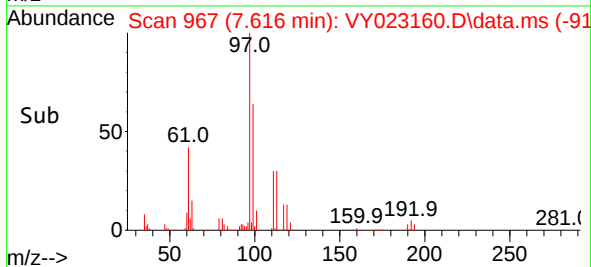
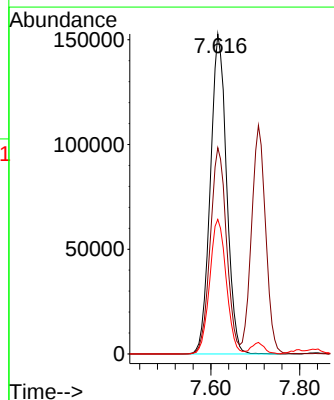
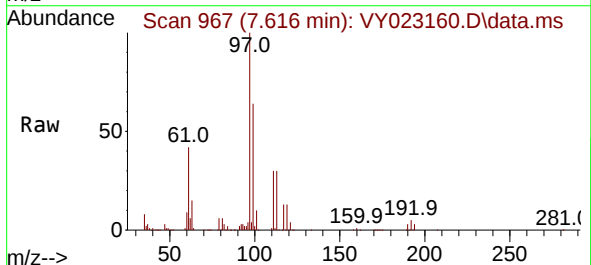
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 338813
Ion Ratio Lower Upper
56 100
69 35.4 28.2 42.2
84 96.4 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 49.443 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 97 Resp: 386894
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 42.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 49.322 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

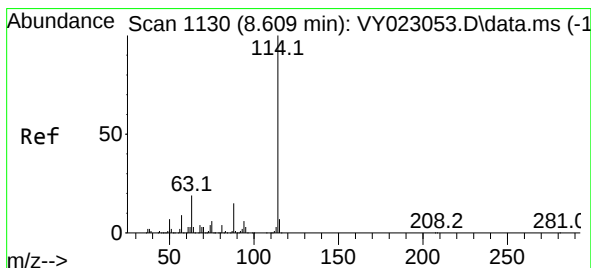
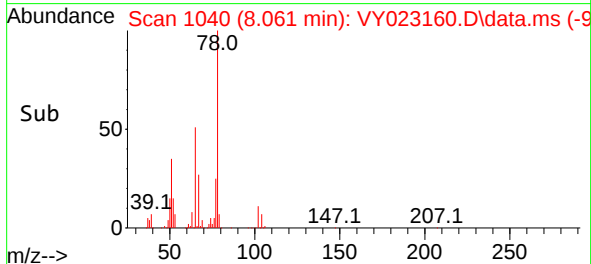
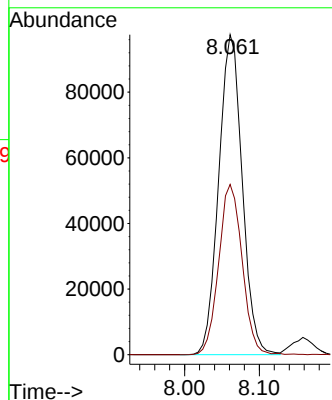
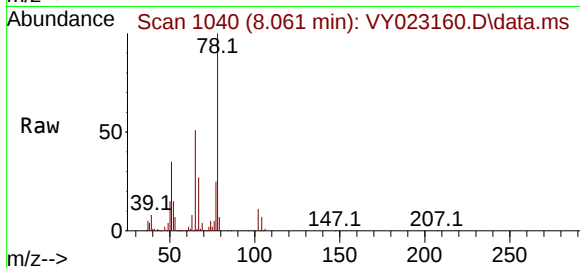
VSTDCCC050EC

Tgt Ion: 65 Resp: 213375

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

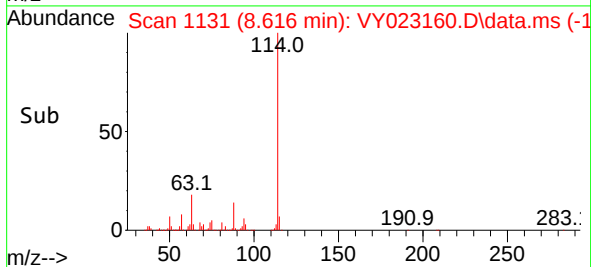
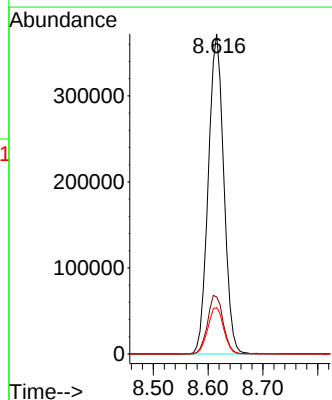
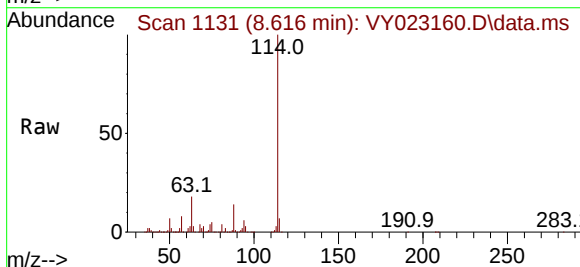
Tgt Ion: 114 Resp: 726912

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.5 0.0 30.0

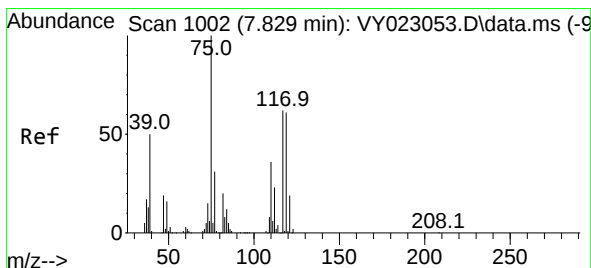
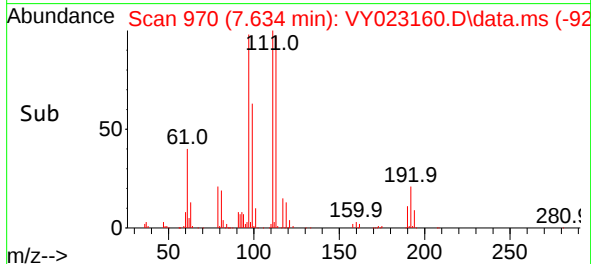
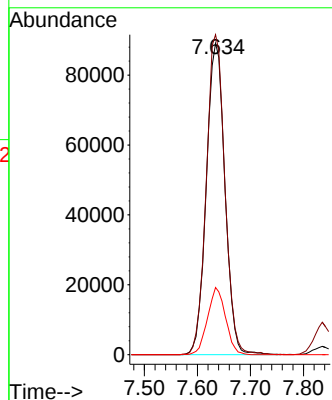
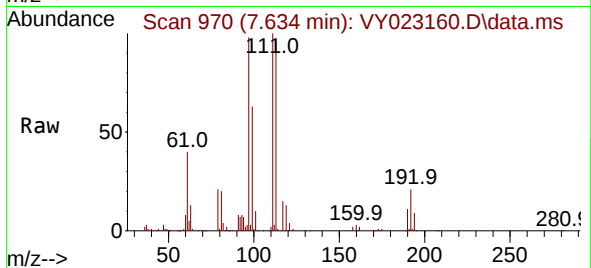




#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

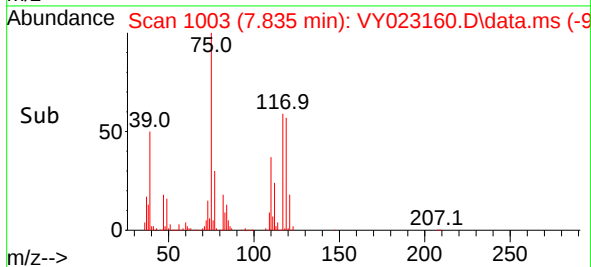
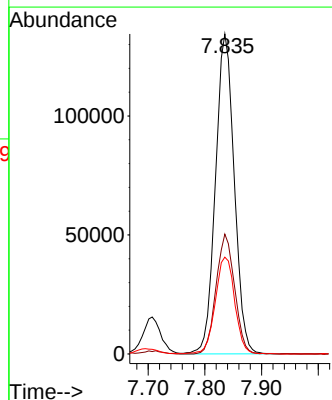
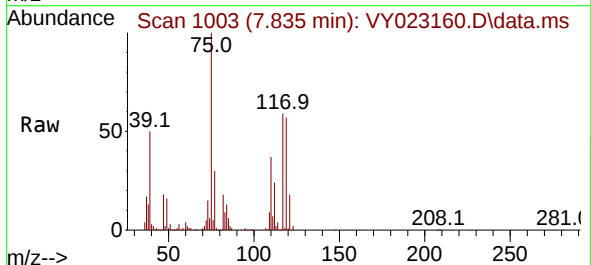
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

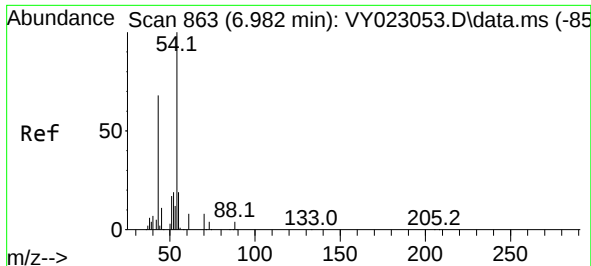
Tgt Ion:113 Resp: 217058
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 20.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 47.746 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 308640
Ion Ratio Lower Upper
75 100
110 37.0 18.1 54.4
77 31.4 24.6 37.0





#37

Ethyl Acetate

Concen: 44.444 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

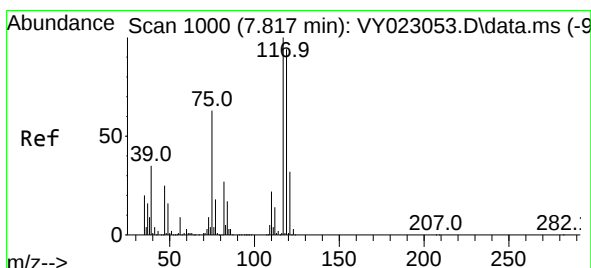
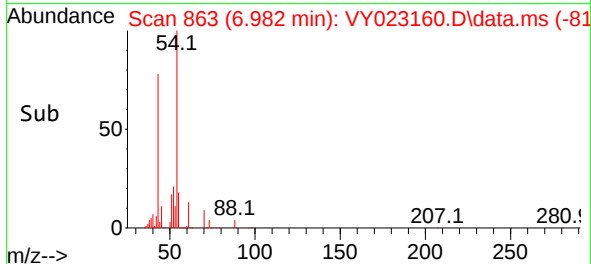
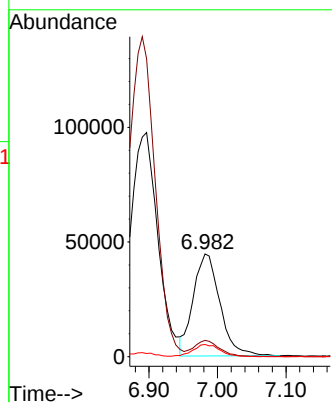
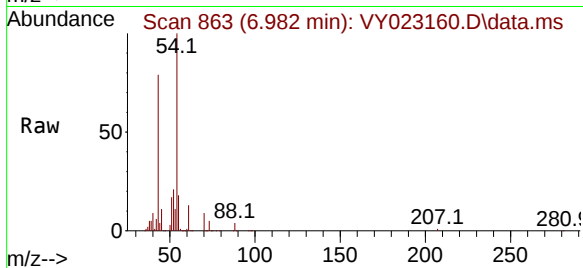
Tgt Ion: 43 Resp: 120682

Ion Ratio Lower Upper

43 100

61 14.9 11.9 17.9

70 12.3 8.8 13.2



#38

Carbon Tetrachloride

Concen: 48.612 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

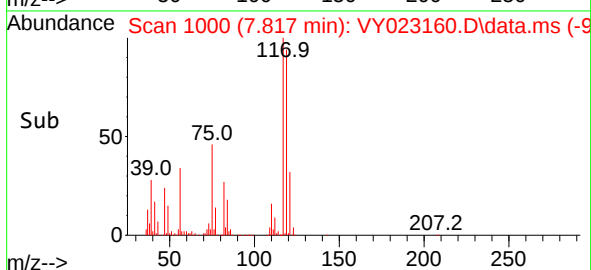
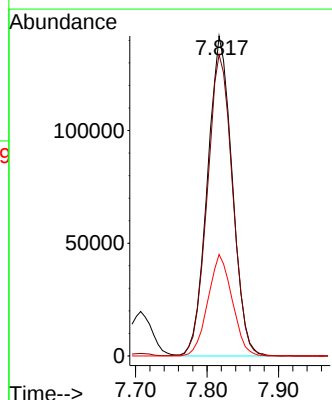
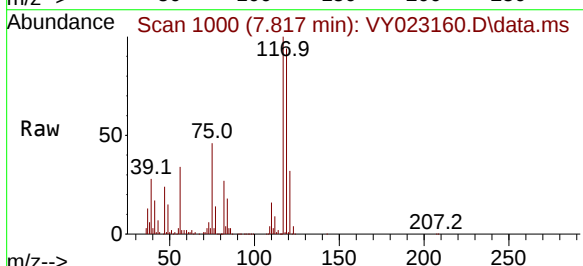
Tgt Ion: 117 Resp: 341297

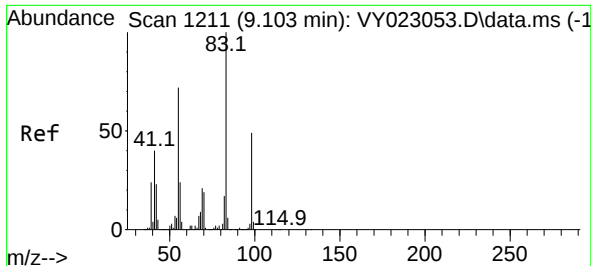
Ion Ratio Lower Upper

117 100

119 94.1 75.6 113.4

121 31.7 25.8 38.8





#39

Methylcyclohexane

Concen: 45.580 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

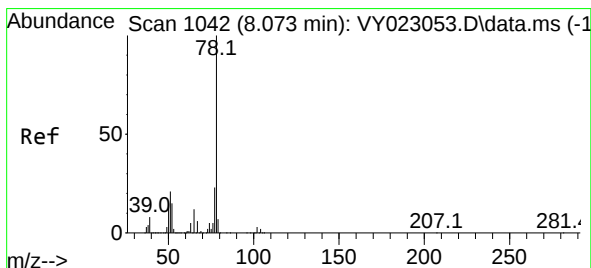
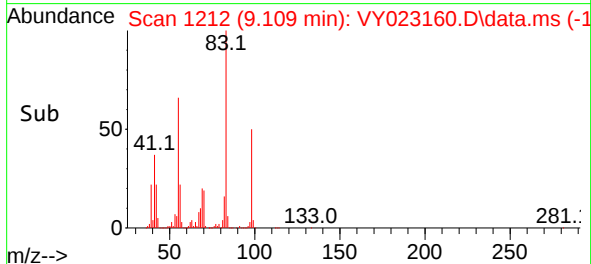
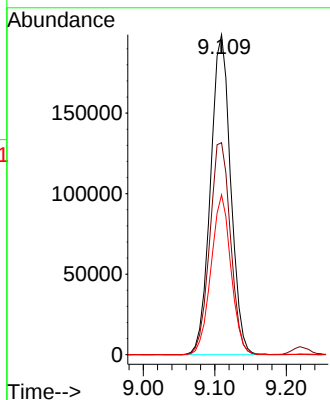
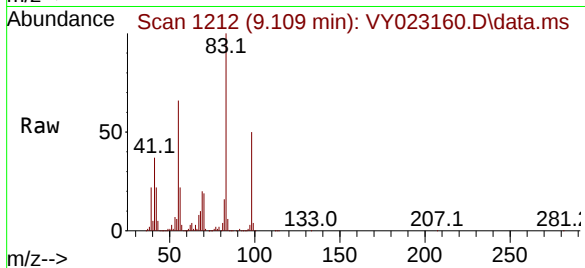
Tgt Ion: 83 Resp: 387997

Ion Ratio Lower Upper

83 100

55 66.2 57.6 86.4

98 49.9 39.2 58.8



#40

Benzene

Concen: 50.170 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY023160.D

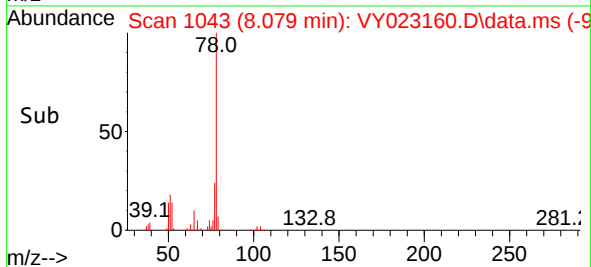
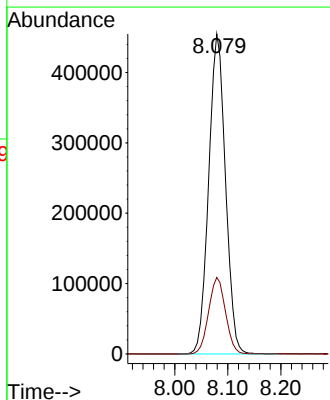
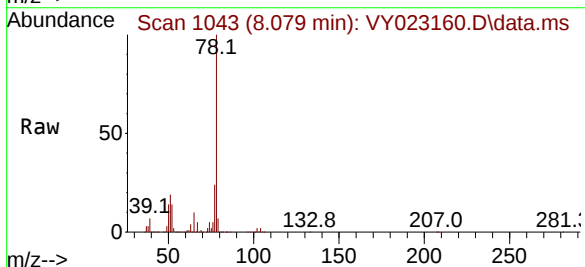
Acq: 19 Aug 2025 19:08

Tgt Ion: 78 Resp: 999546

Ion Ratio Lower Upper

78 100

77 23.9 18.6 28.0



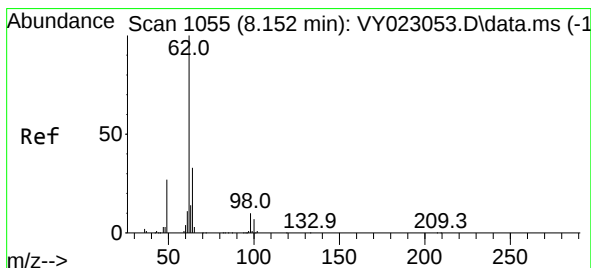
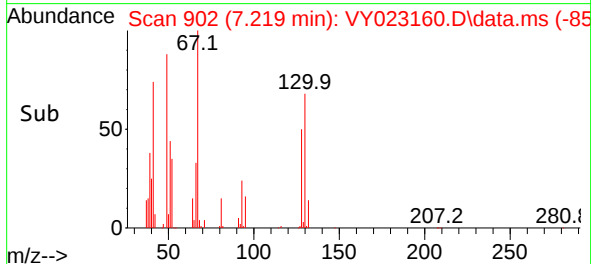
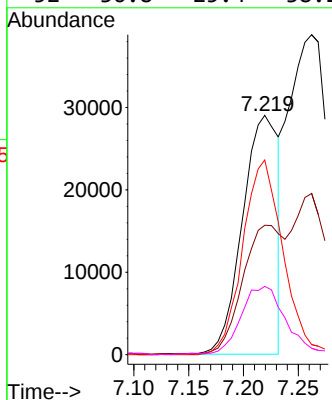
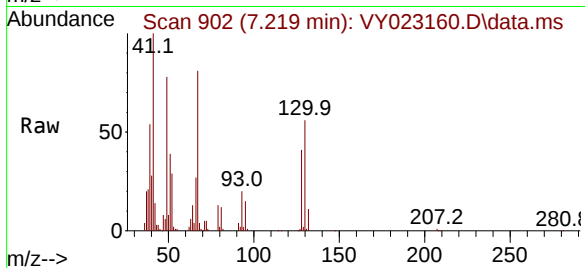


#41
Methacrylonitrile
Concen: 41.877 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 65626

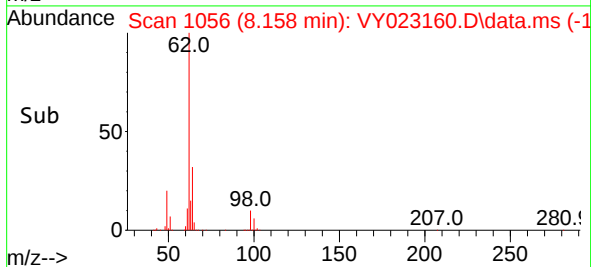
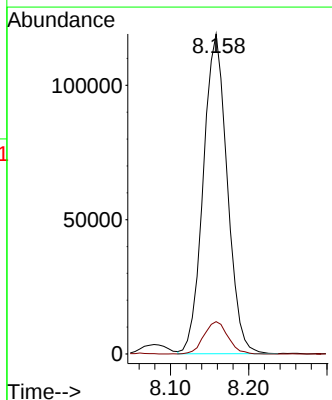
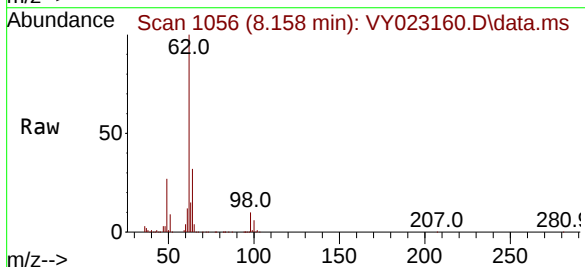
Ion	Ratio	Lower	Upper
41	100		
39	62.3	43.4	65.2
67	92.6	63.6	95.4
52	36.8	25.4	38.2



#42
1,2-Dichloroethane
Concen: 48.835 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 62 Resp: 253049

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

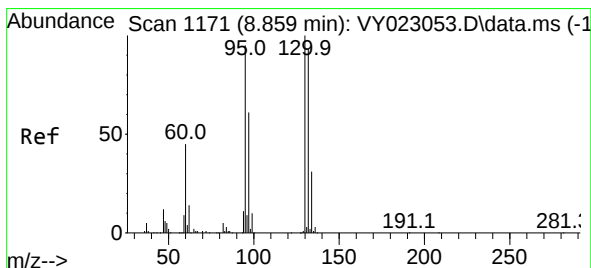
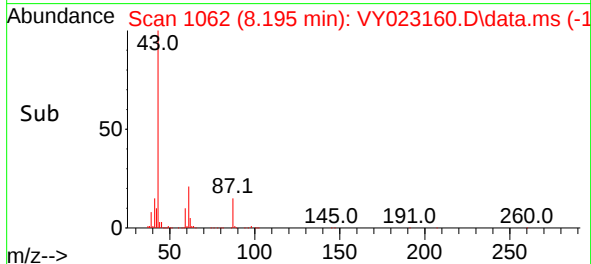
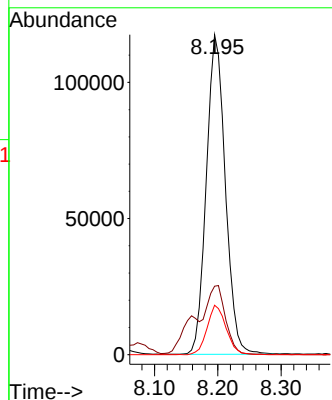
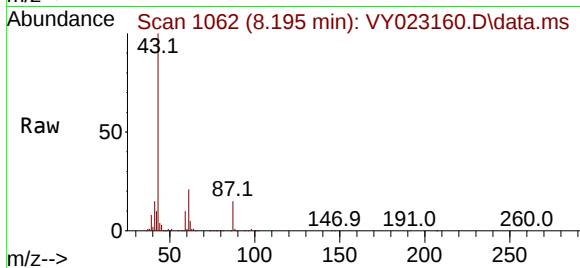




#43
Isopropyl Acetate
Concen: 44.694 ug/l
RT: 8.195 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

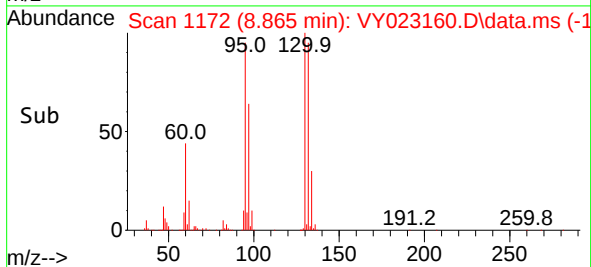
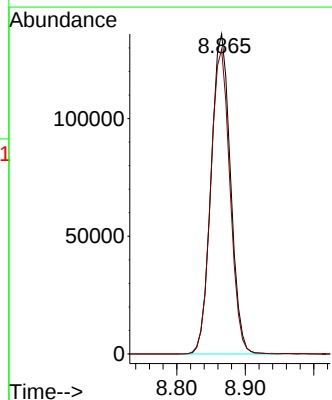
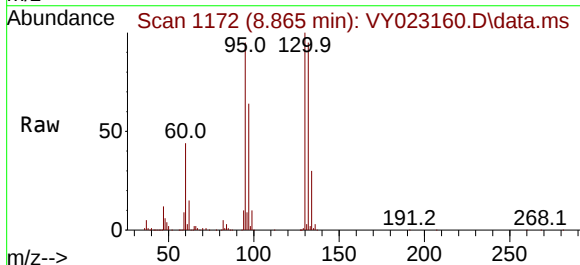
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 245293
Ion Ratio Lower Upper
43 100
61 22.2 16.4 24.6
87 15.5 11.8 17.6



#44
Trichloroethene
Concen: 51.782 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:130 Resp: 266609
Ion Ratio Lower Upper
130 100
95 95.2 0.0 190.2





#45

1,2-Dichloropropane

Concen: 49.829 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

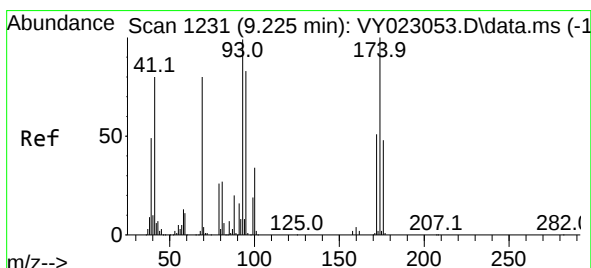
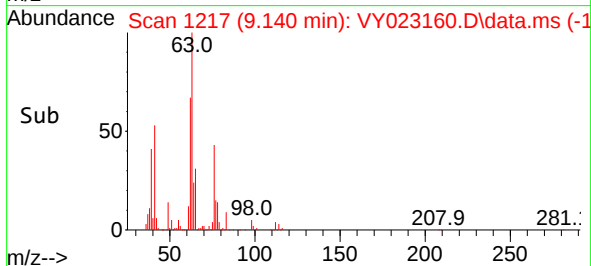
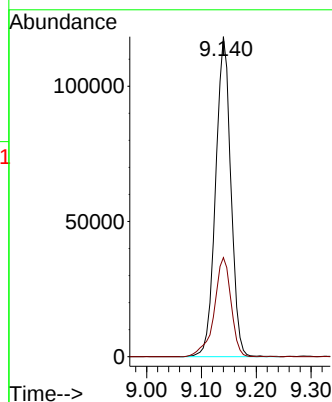
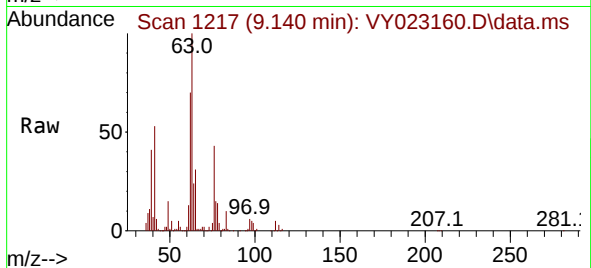
VSTDCCC050EC

Tgt Ion: 63 Resp: 228425

Ion Ratio Lower Upper

63 100

65 31.0 25.3 37.9



#46

Dibromomethane

Concen: 49.971 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

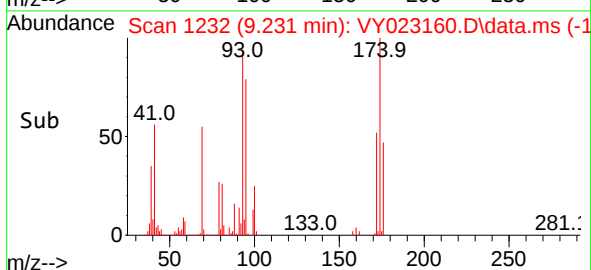
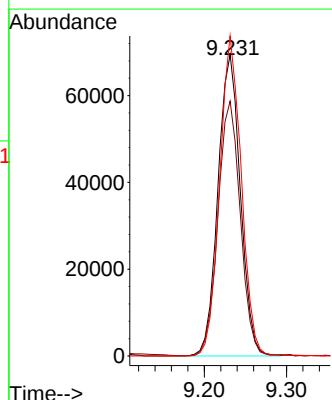
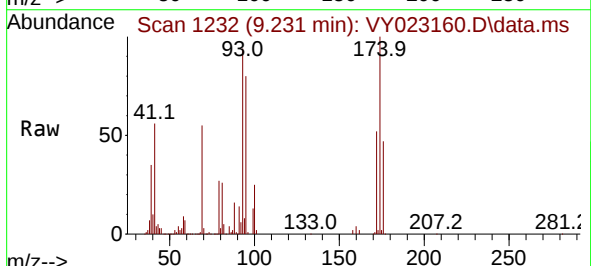
Tgt Ion: 93 Resp: 131481

Ion Ratio Lower Upper

93 100

95 84.7 66.5 99.7

174 102.7 81.8 122.8

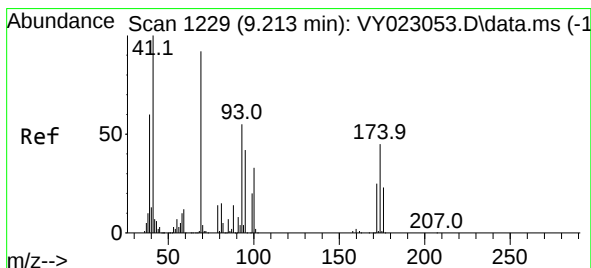
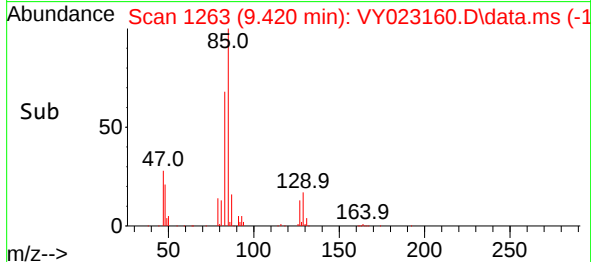
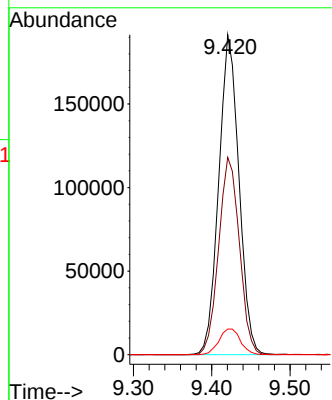
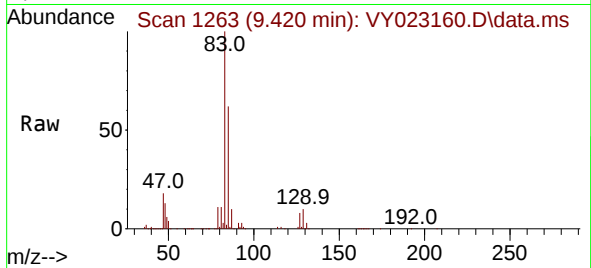




#47
Bromodichloromethane
Concen: 50.703 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

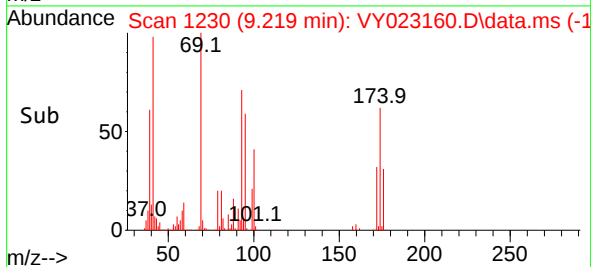
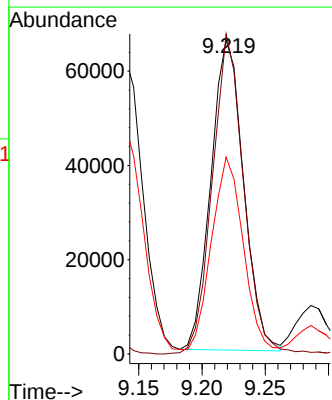
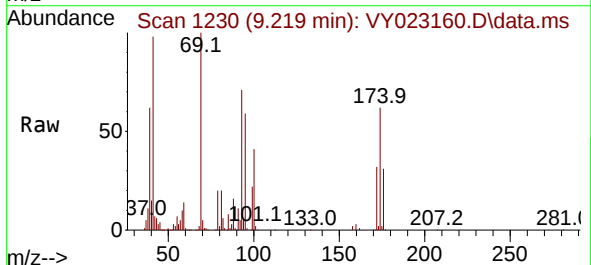
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 343279
Ion Ratio Lower Upper
83 100
85 61.6 50.2 75.4
127 8.0 6.6 10.0



#48
Methyl methacrylate
Concen: 45.021 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 41 Resp: 118237
Ion Ratio Lower Upper
41 100
69 99.0 73.2 109.8
39 59.8 47.0 70.4





#49

1,4-Dioxane

Concen: 946.444 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

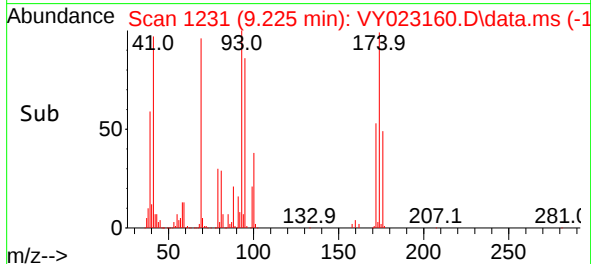
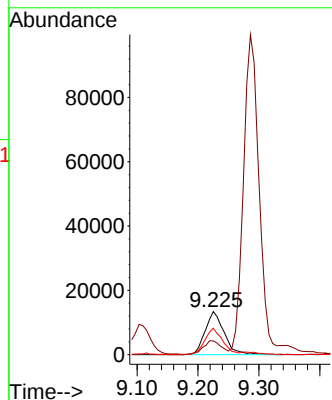
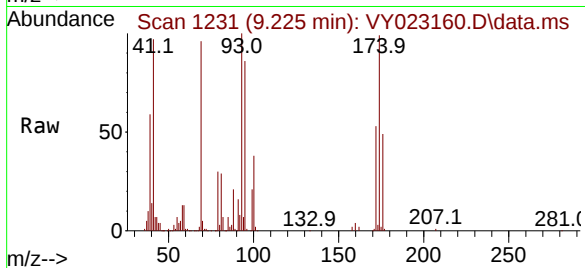
Tgt Ion: 88 Resp: 29199

Ion Ratio Lower Upper

88 100

43 29.7 24.3 36.5

58 57.5 55.4 83.0



#50

Toluene-d8

Concen: 50.853 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023160.D

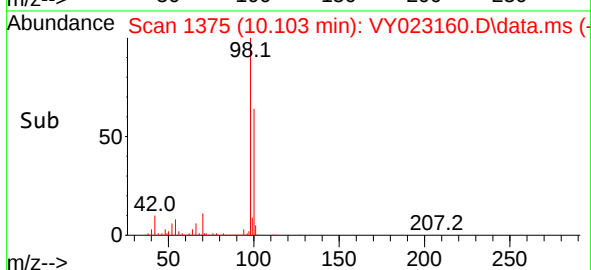
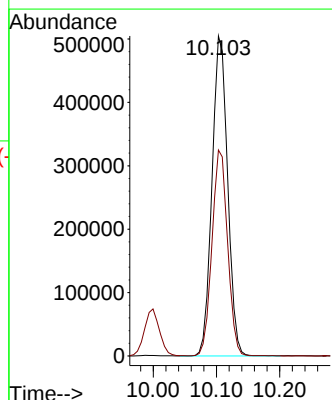
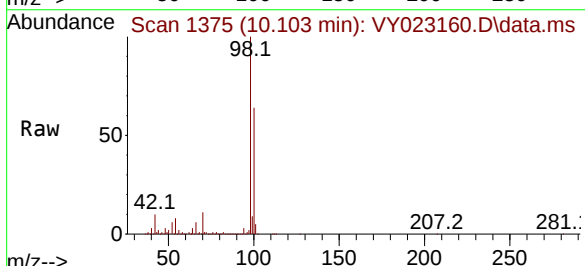
Acq: 19 Aug 2025 19:08

Tgt Ion: 98 Resp: 864097

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5

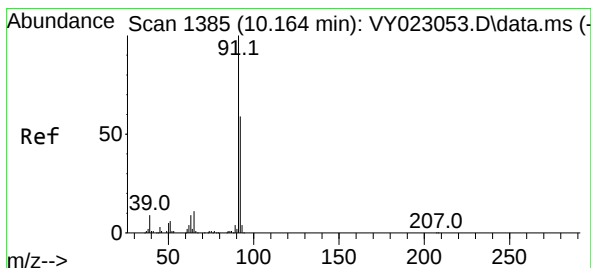
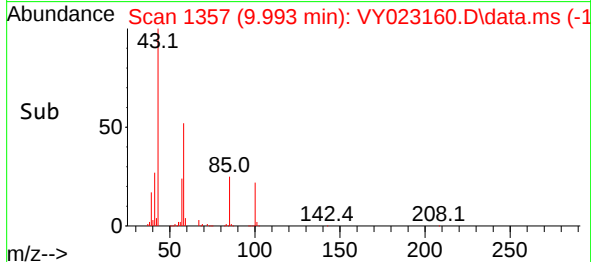
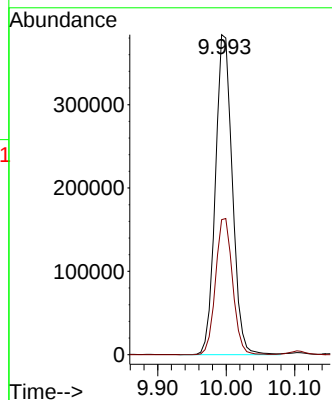
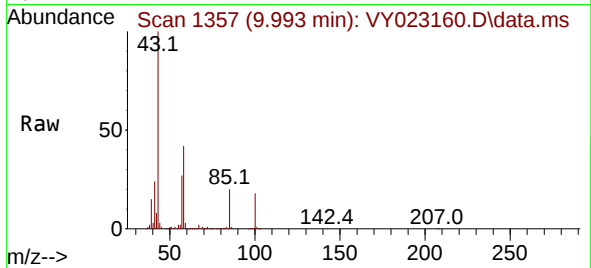




#51
4-Methyl-2-Pentanone
Concen: 231.971 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

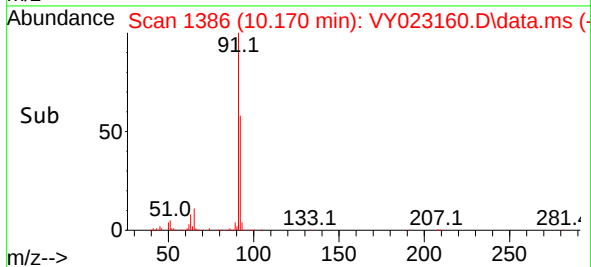
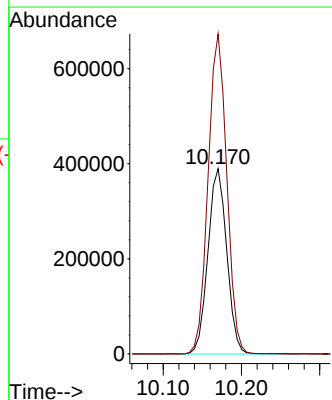
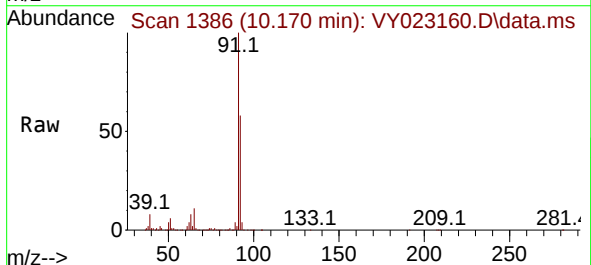
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

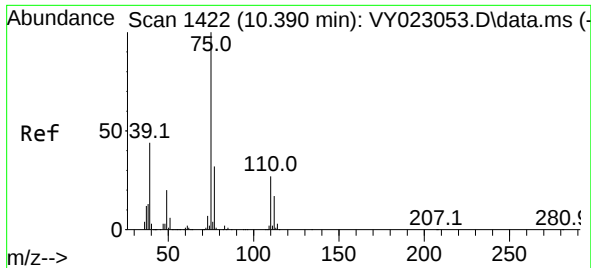
Tgt Ion: 43 Resp: 656710
Ion Ratio Lower Upper
43 100
58 42.9 33.5 50.3



#52
Toluene
Concen: 51.179 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 92 Resp: 647611
Ion Ratio Lower Upper
92 100
91 171.9 136.4 204.6

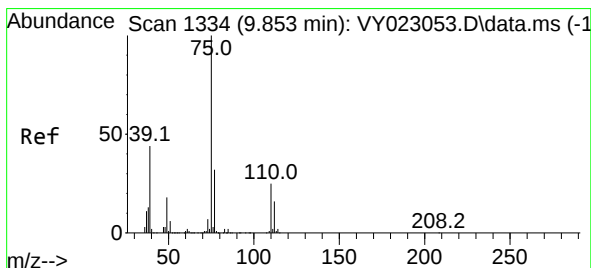
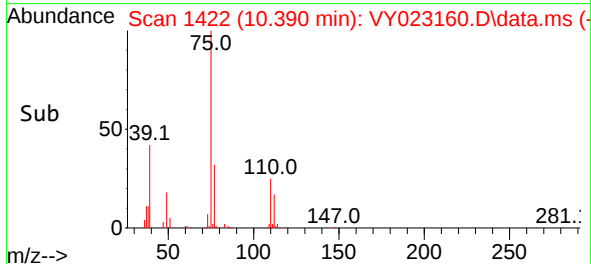
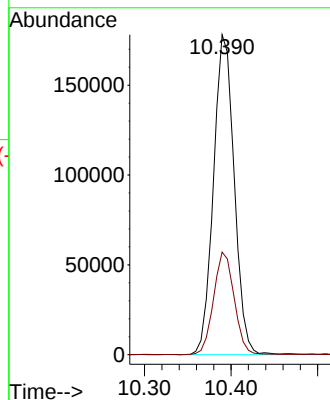
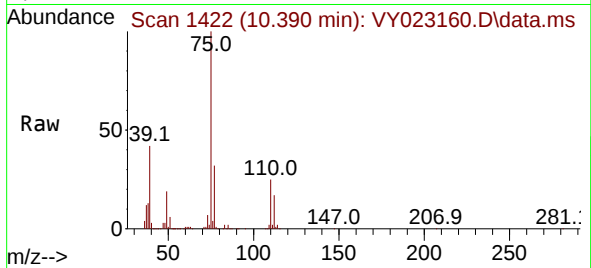




#53
t-1,3-Dichloropropene
Concen: 48.297 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

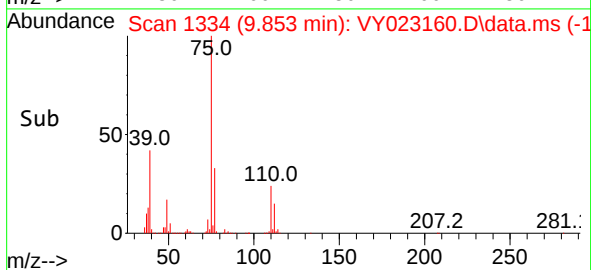
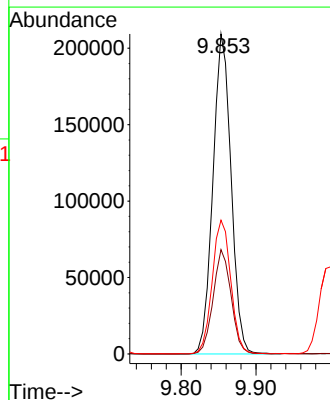
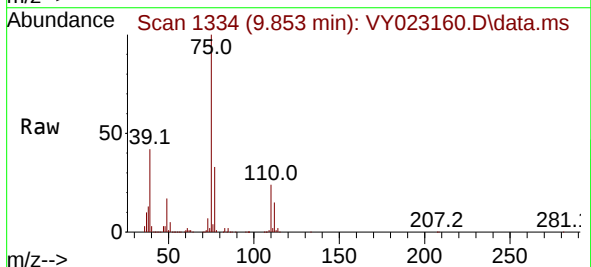
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

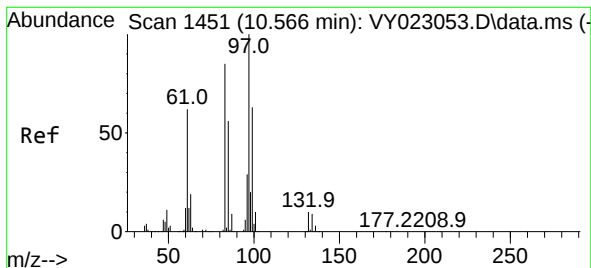
Tgt Ion: 75 Resp: 296104
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 48.751 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 353426
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
39 41.7 35.6 53.4



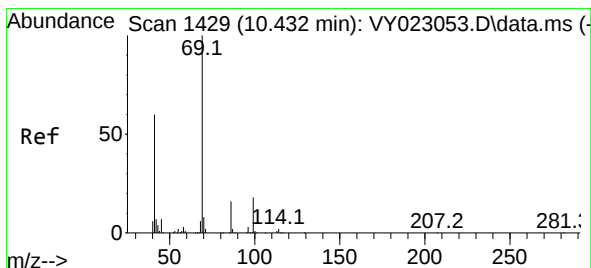
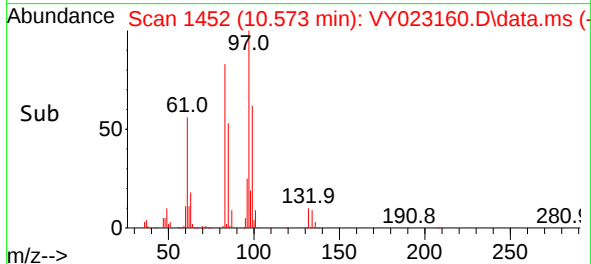
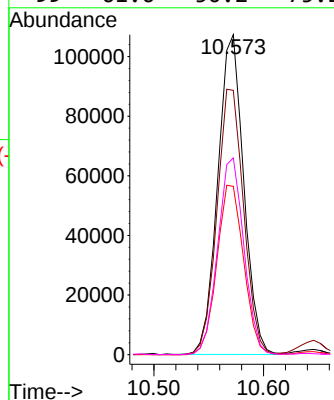
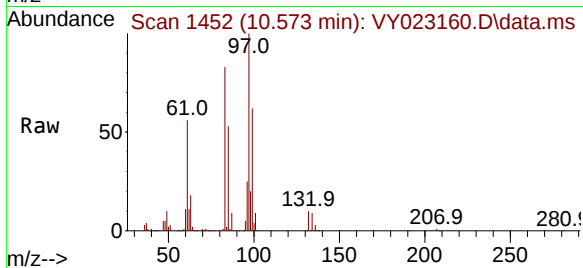


#55
1,1,2-Trichloroethane
Concen: 50.180 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 176672

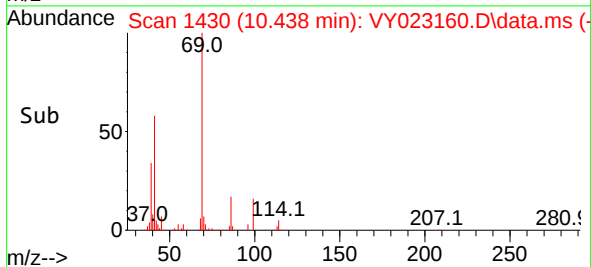
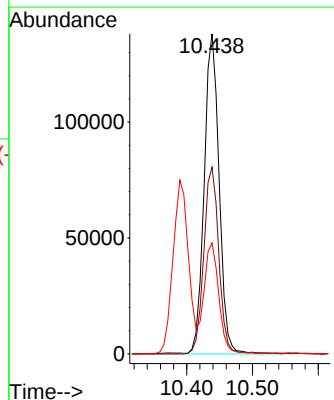
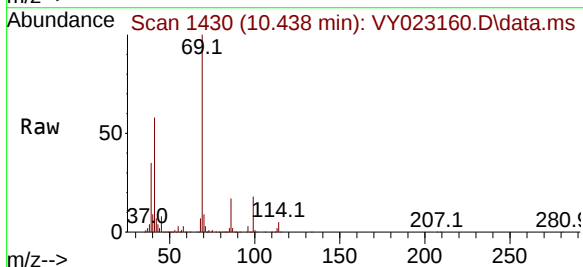
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.7	101.5
85	52.7	44.5	66.7
99	61.6	50.2	75.2

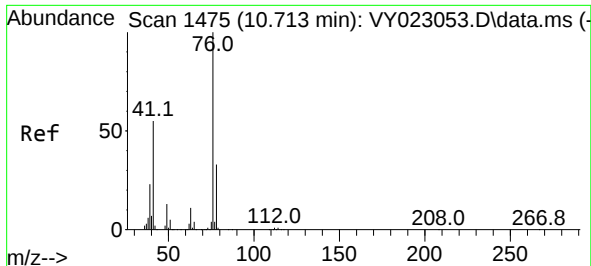


#56
Ethyl methacrylate
Concen: 48.375 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 69 Resp: 217938

Ion	Ratio	Lower	Upper
69	100		
41	58.3	48.6	72.8
39	34.0	27.0	40.4





#57

1,3-Dichloropropane

Concen: 48.952 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

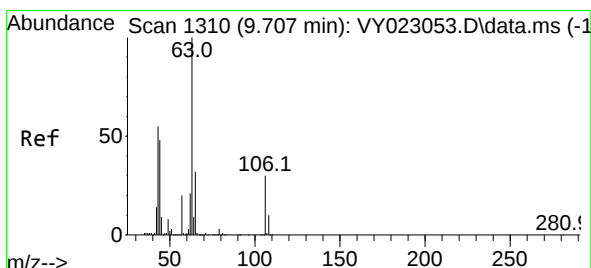
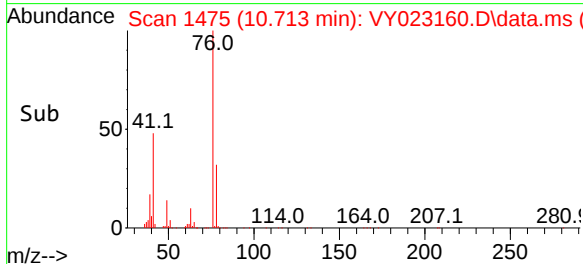
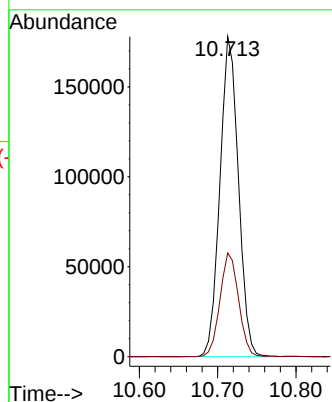
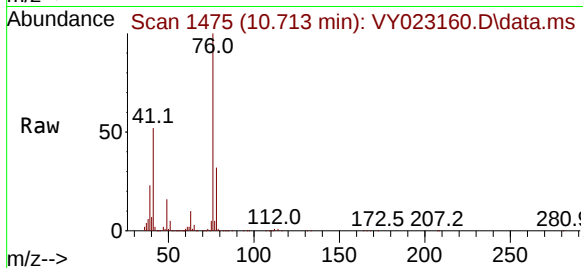
VSTDCCC050EC

Tgt Ion: 76 Resp: 292293

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 259.330 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023160.D

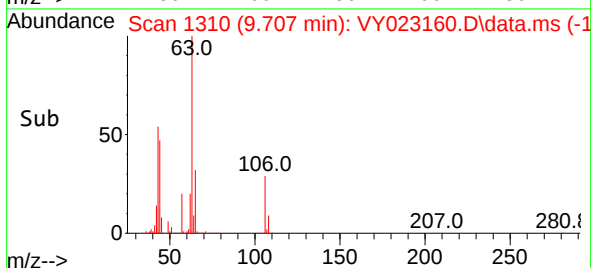
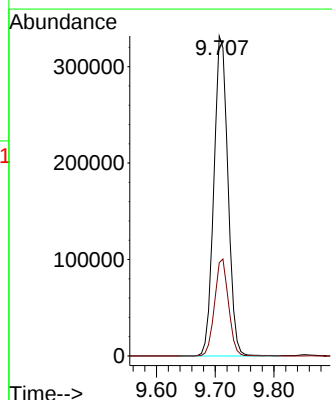
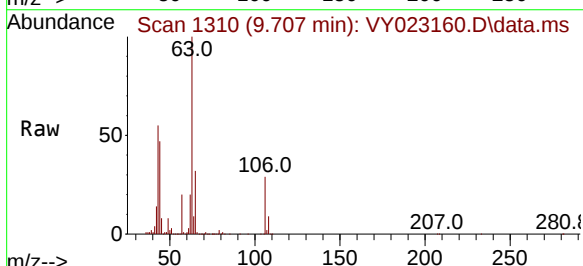
Acq: 19 Aug 2025 19:08

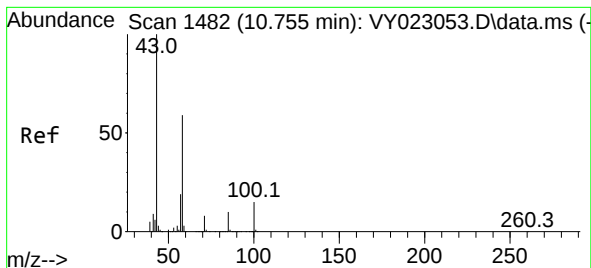
Tgt Ion: 63 Resp: 551100

Ion Ratio Lower Upper

63 100

106 29.9 23.2 34.8

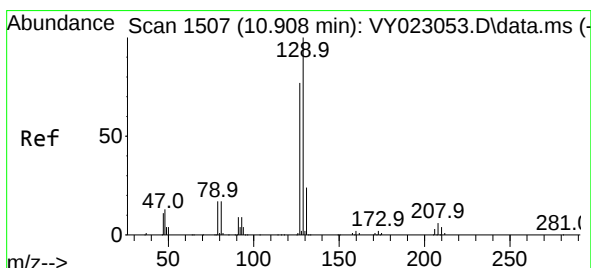
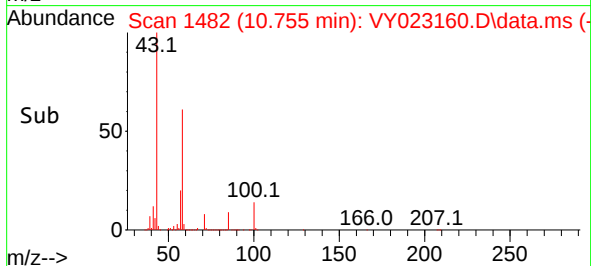
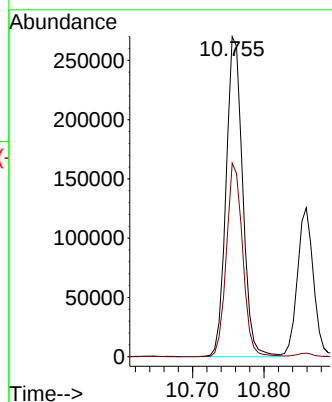
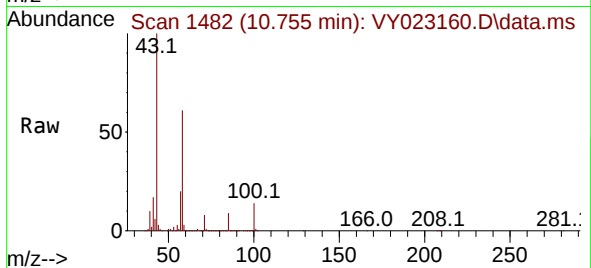




#59
2-Hexanone
Concen: 225.681 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

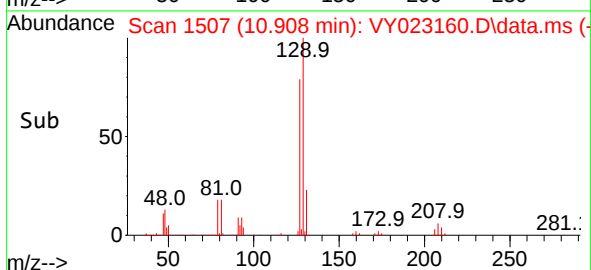
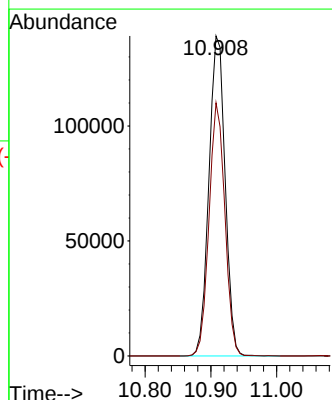
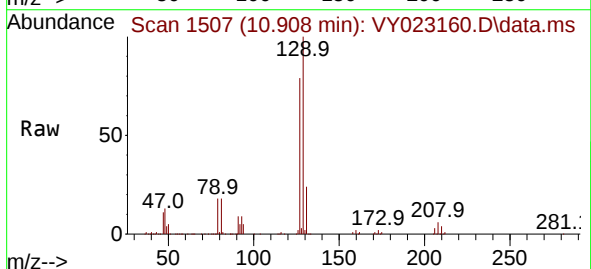
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

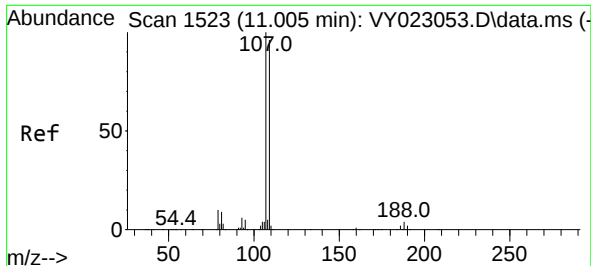
Tgt Ion: 43 Resp: 435049
Ion Ratio Lower Upper
43 100
58 59.3 29.5 88.5



#60
Dibromochloromethane
Concen: 51.365 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 129 Resp: 238623
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

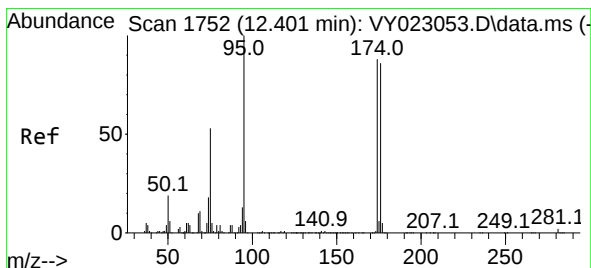
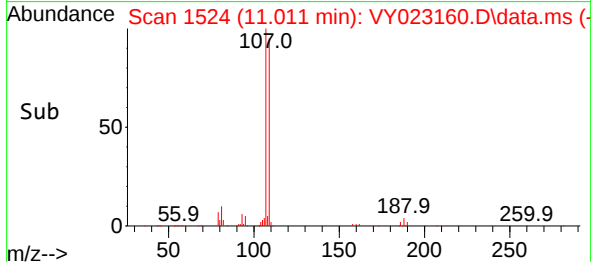
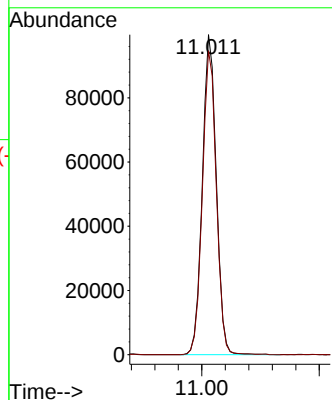
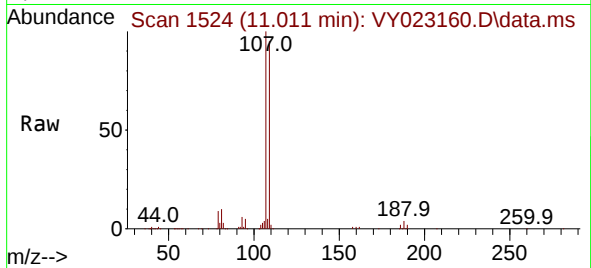




#61
1,2-Dibromoethane
Concen: 49.588 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

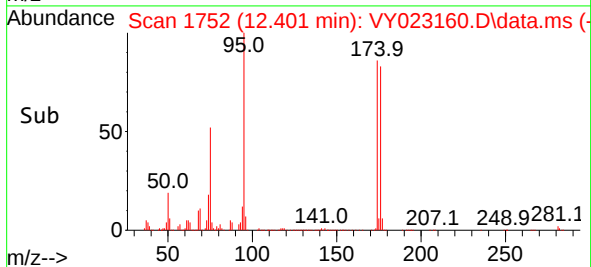
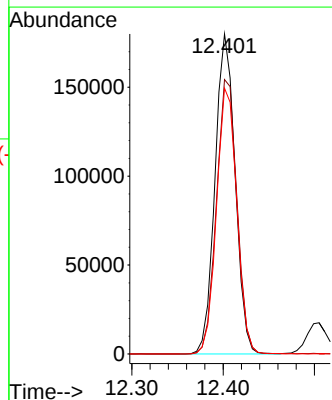
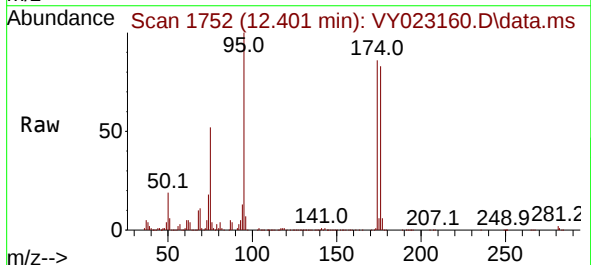
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

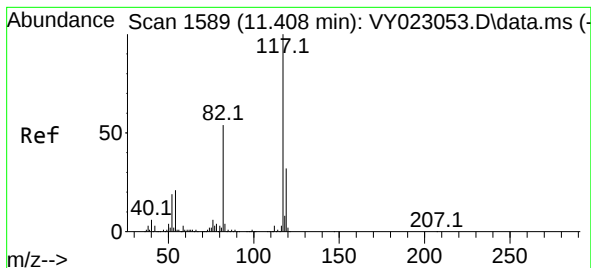
Tgt Ion:107 Resp: 164095
Ion Ratio Lower Upper
107 100
109 95.0 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 50.308 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 95 Resp: 274917
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 84.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

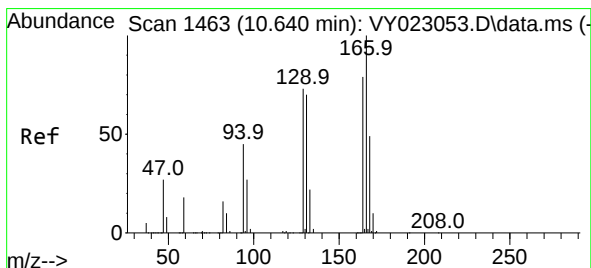
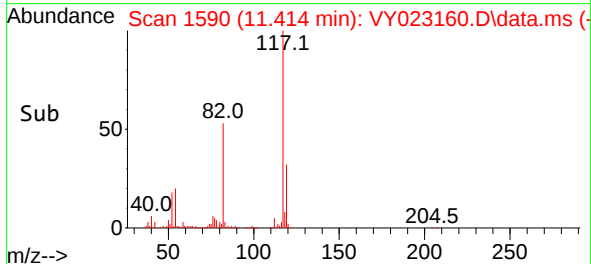
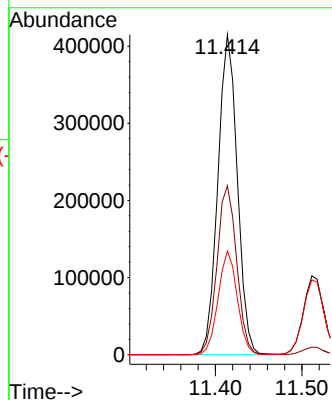
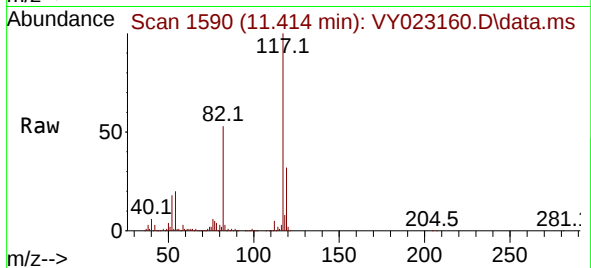
Tgt Ion:117 Resp: 647238

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 32.4 25.6 38.4



#64

Tetrachloroethene

Concen: 56.055 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Tgt Ion:164 Resp: 323963

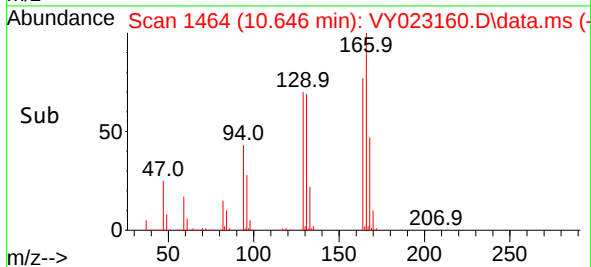
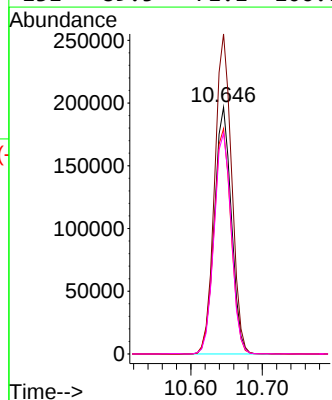
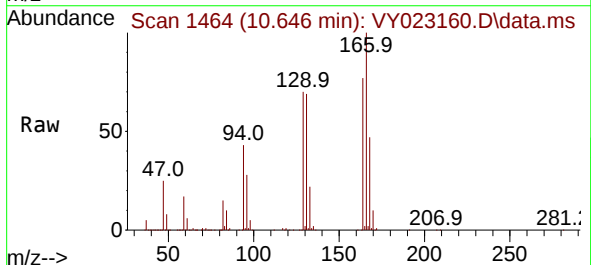
Ion Ratio Lower Upper

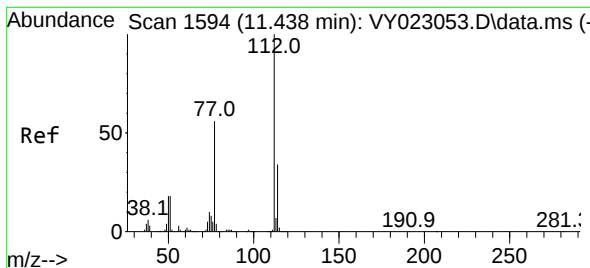
164 100

166 129.7 101.1 151.7

129 91.3 74.0 111.0

131 89.5 71.1 106.7





#65

Chlorobenzene

Concen: 50.434 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

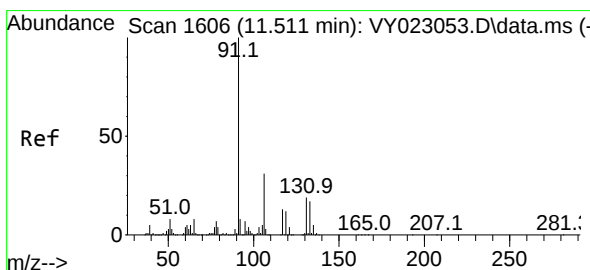
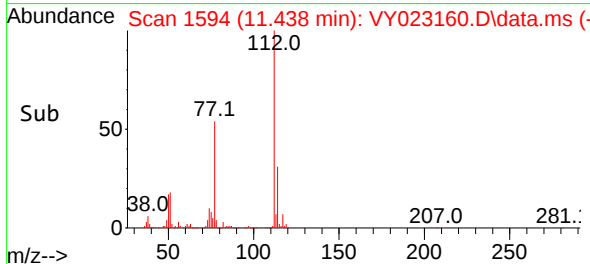
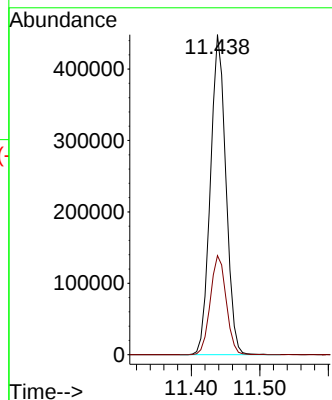
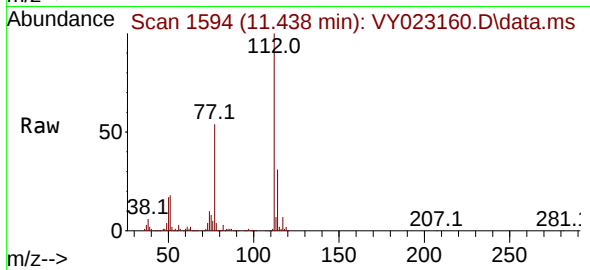
VSTDCCC050EC

Tgt Ion:112 Resp: 704107

Ion Ratio Lower Upper

112 100

114 31.0 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 51.411 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

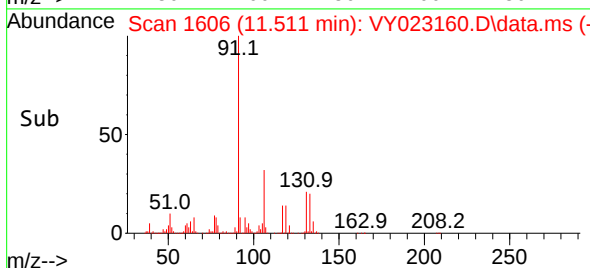
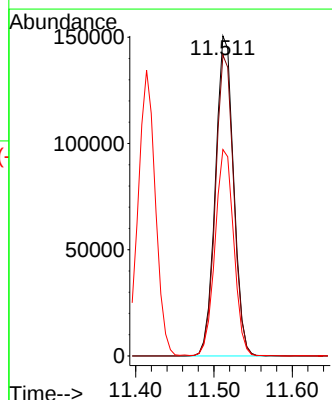
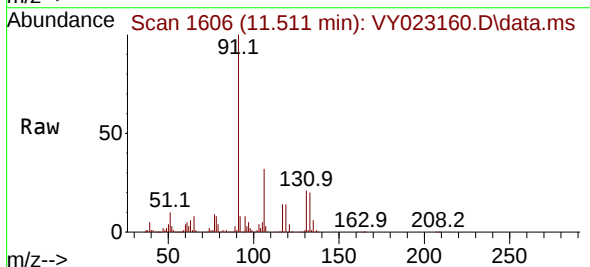
Tgt Ion:131 Resp: 243596

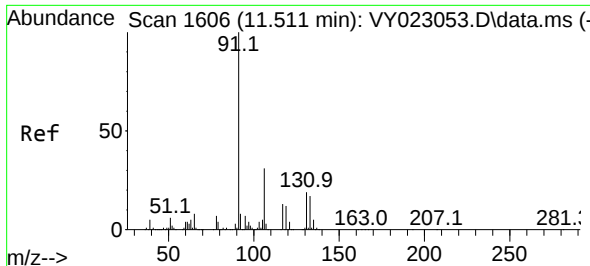
Ion Ratio Lower Upper

131 100

133 94.2 46.9 140.6

119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 50.888 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

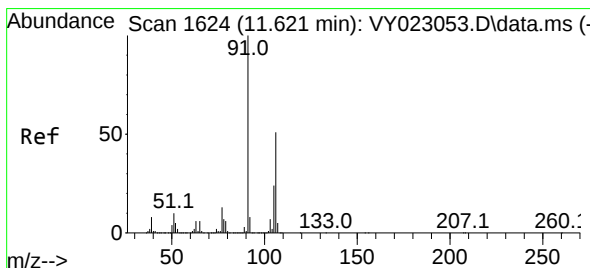
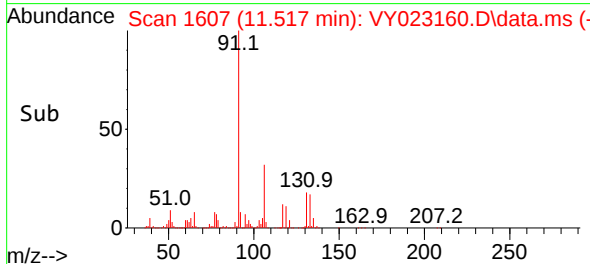
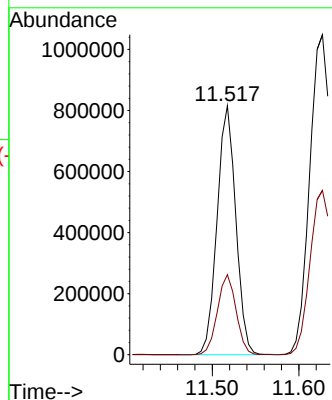
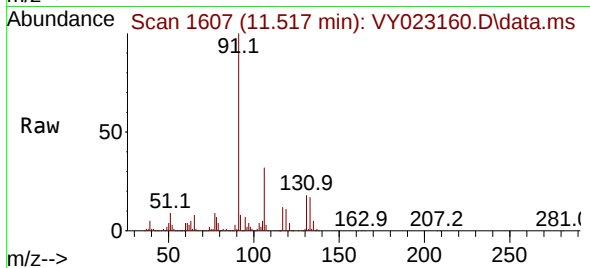
VSTDCCC050EC

Tgt Ion: 91 Resp: 1222605

Ion Ratio Lower Upper

91 100

106 32.1 25.0 37.4



#68

m/p-Xylenes

Concen: 103.051 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023160.D

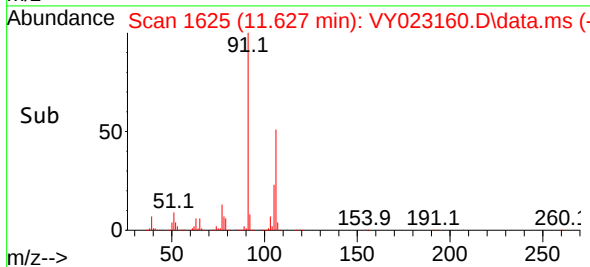
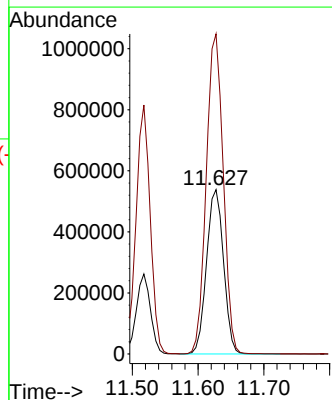
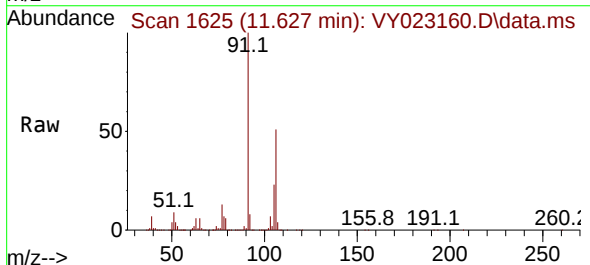
Acq: 19 Aug 2025 19:08

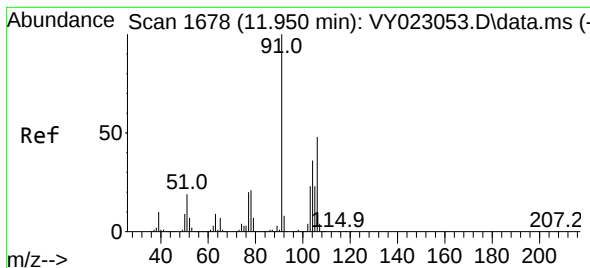
Tgt Ion:106 Resp: 966978

Ion Ratio Lower Upper

106 100

91 194.8 158.6 238.0

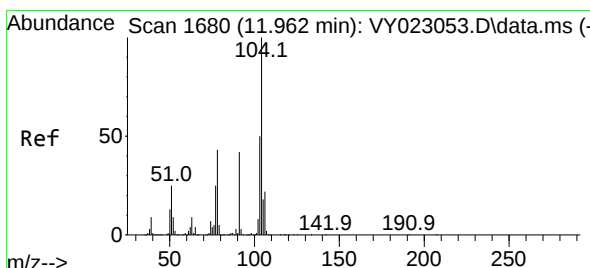
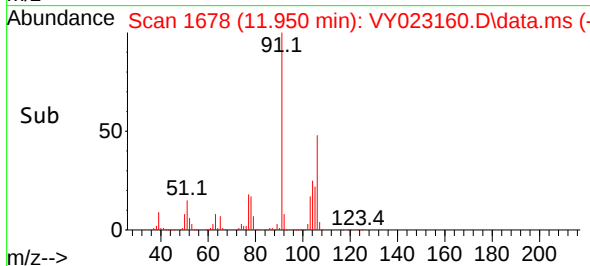
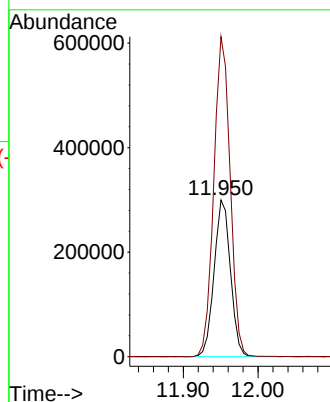
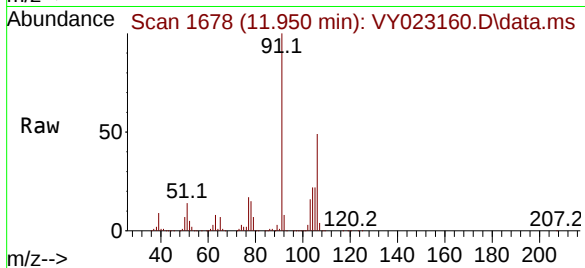




#69
o-Xylene
Concen: 51.799 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

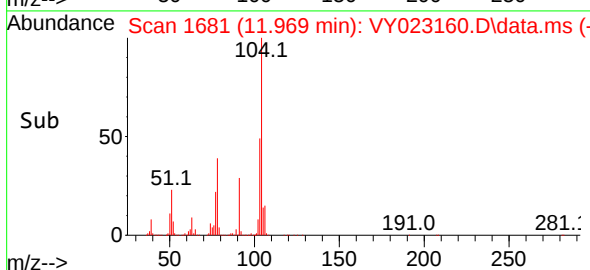
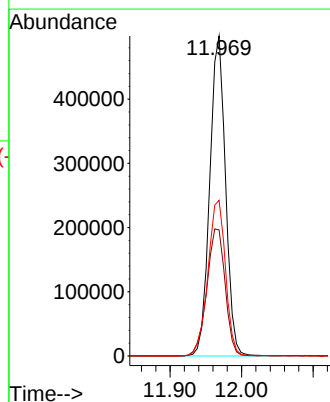
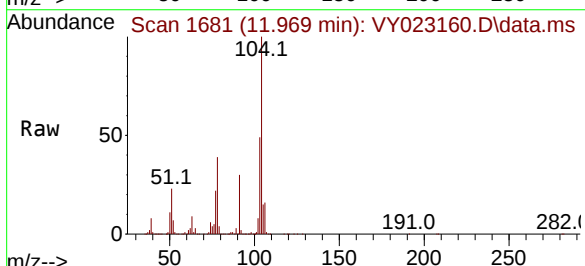
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

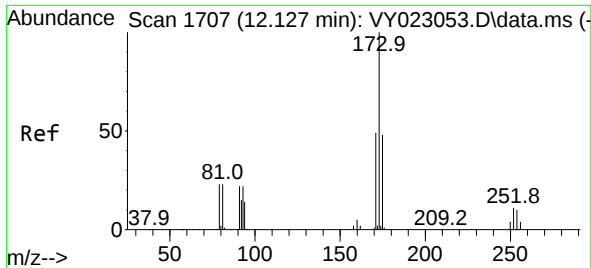
Tgt Ion:106 Resp: 455236
Ion Ratio Lower Upper
106 100
91 204.7 103.2 309.4



#70
Styrene
Concen: 53.132 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:104 Resp: 763639
Ion Ratio Lower Upper
104 100
78 46.1 38.5 57.7
103 54.4 43.7 65.5

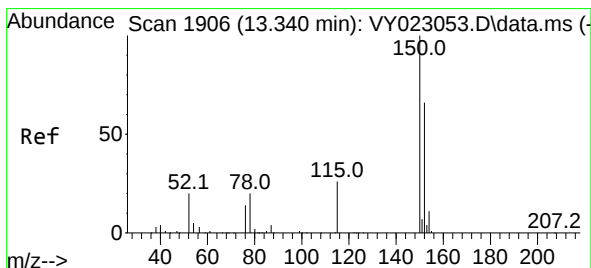
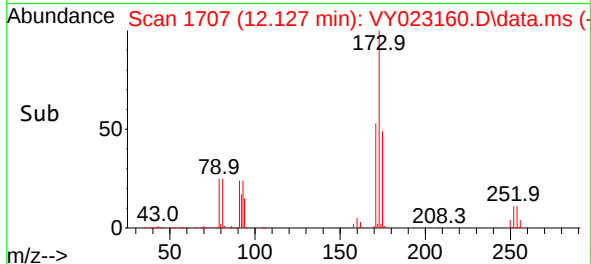
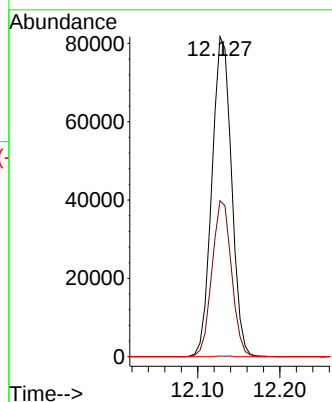
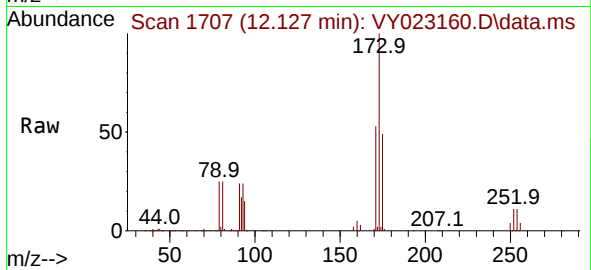




#71
Bromoform
Concen: 48.980 ug/l
RT: 12.127 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

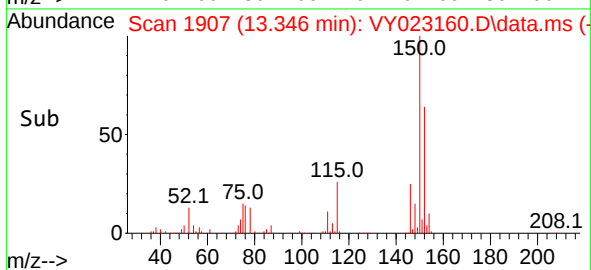
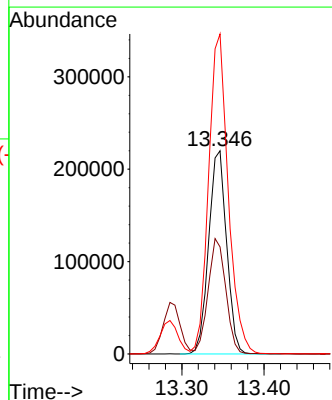
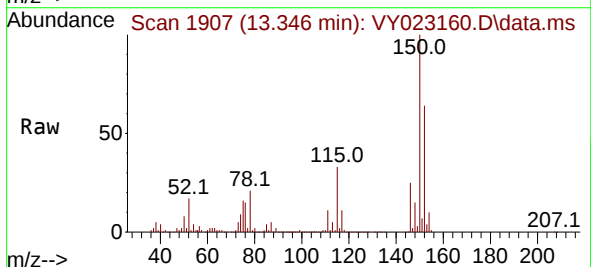
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

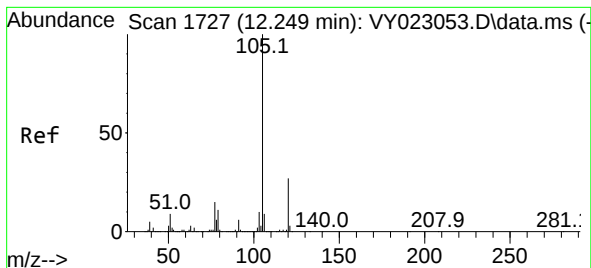
Tgt Ion:173 Resp: 135638
Ion Ratio Lower Upper
173 100
175 48.5 23.9 71.7
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion:152 Resp: 333557
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 171.6 0.0 348.0





#73

Isopropylbenzene

Concen: 49.330 ug/l

RT: 12.249 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

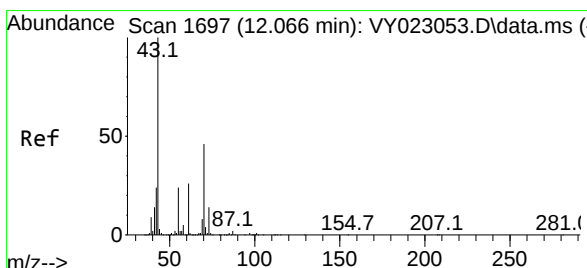
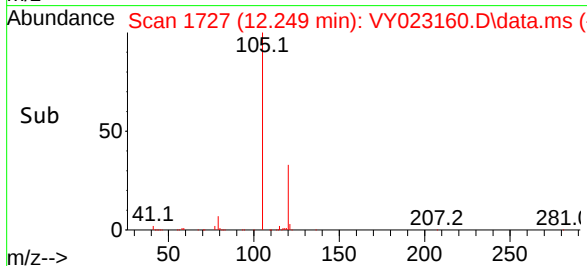
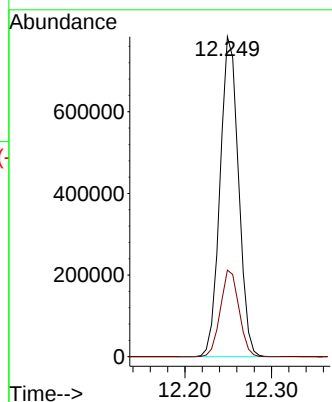
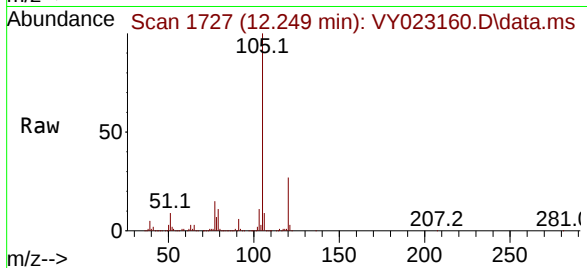
VSTDCCC050EC

Tgt Ion:105 Resp: 1161331

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 43.613 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Tgt Ion: 43 Resp: 217737

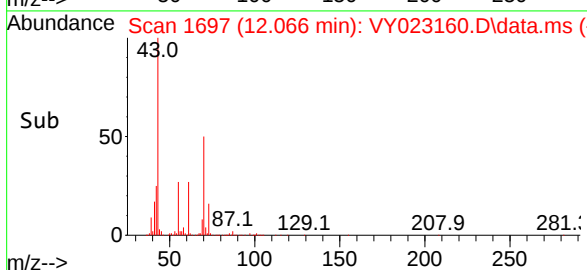
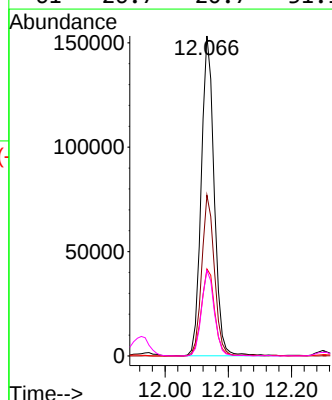
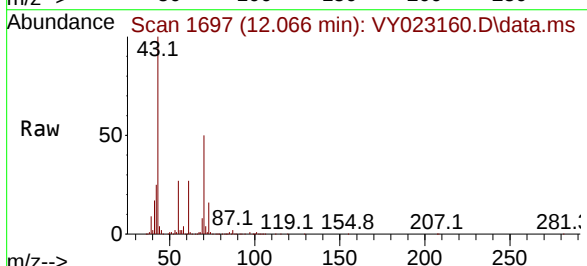
Ion Ratio Lower Upper

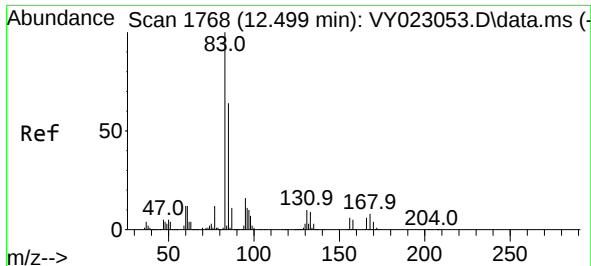
43 100

70 49.5 37.5 56.3

55 28.2 20.7 31.1

61 26.7 20.7 31.1

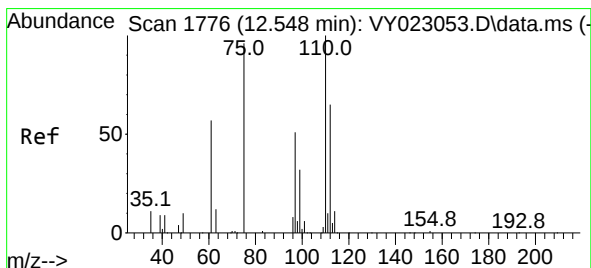
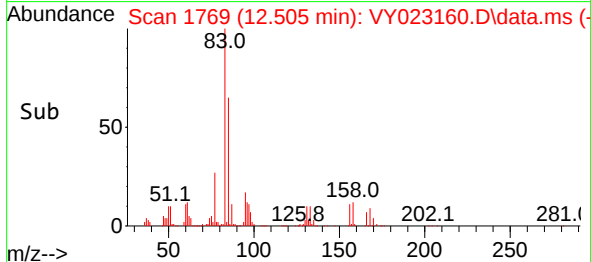
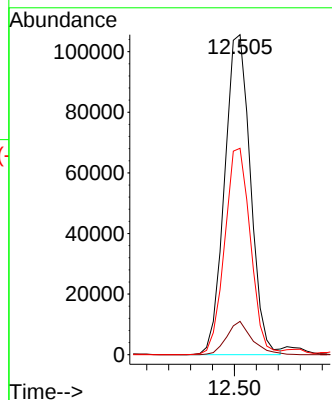
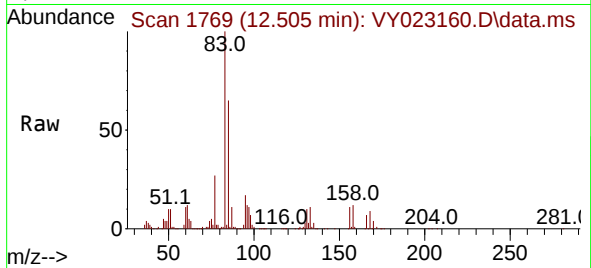




#75
 1,1,2,2-Tetrachloroethane
 Concen: 43.025 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

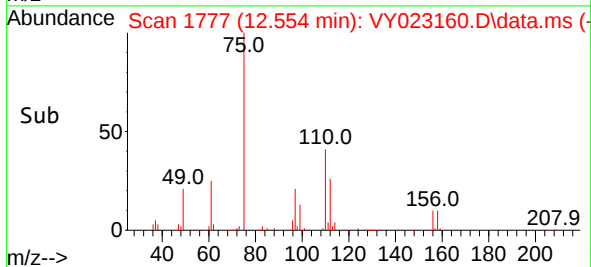
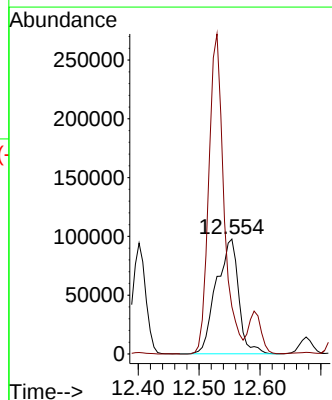
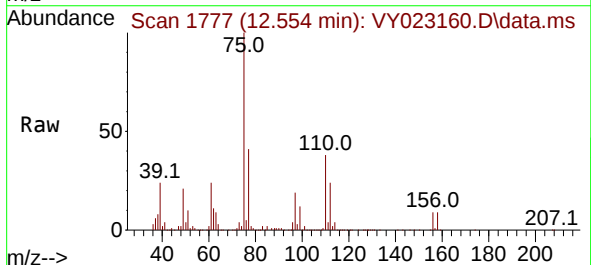
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

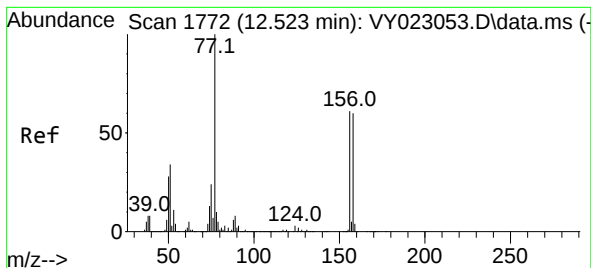
Tgt Ion: 83 Resp: 172951
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.1 15.3
 85 64.4 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 77.236 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 248637
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.690 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

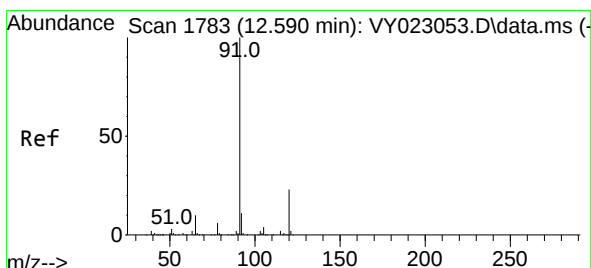
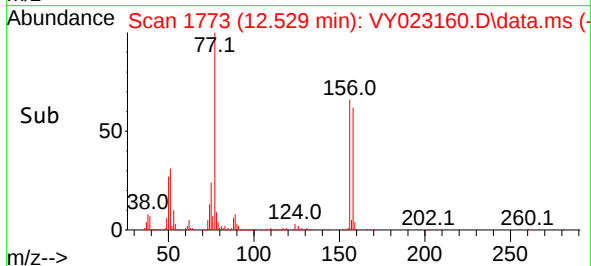
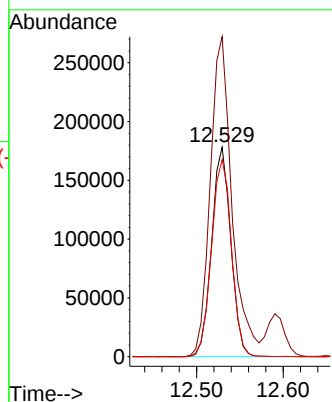
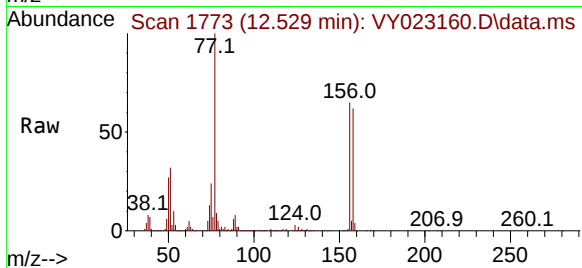
Tgt Ion:156 Resp: 273466

Ion Ratio Lower Upper

156 100

77 172.9 88.1 264.4

158 97.9 48.0 144.0



#78

n-propylbenzene

Concen: 49.502 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023160.D

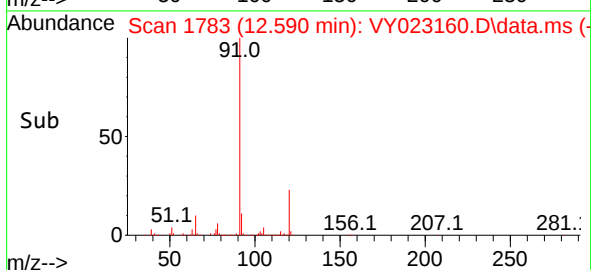
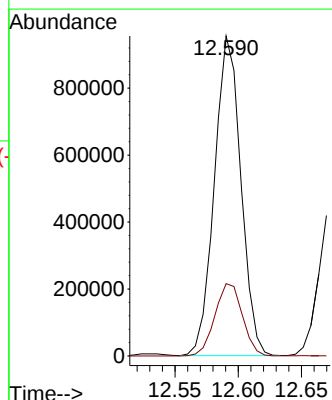
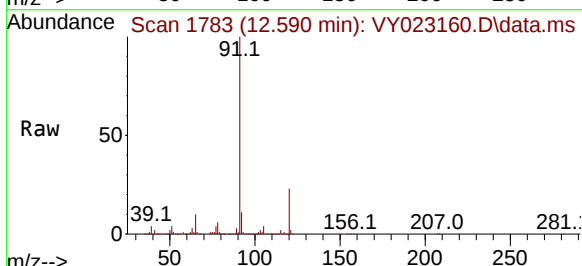
Acq: 19 Aug 2025 19:08

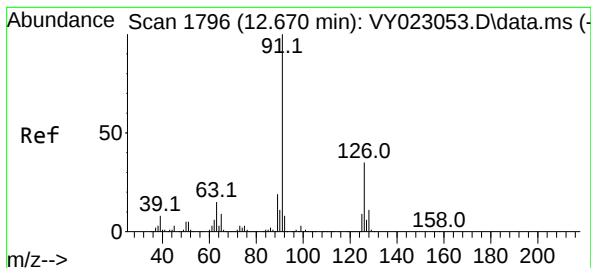
Tgt Ion: 91 Resp: 1387452

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.5





#79

2-Chlorotoluene

Concen: 48.829 ug/l

RT: 12.676 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

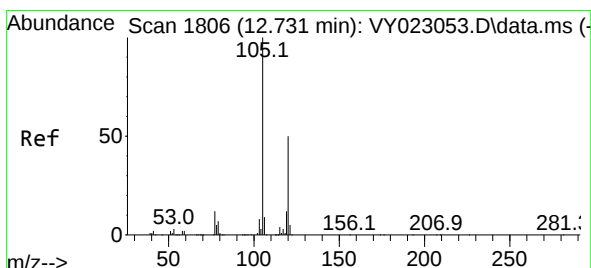
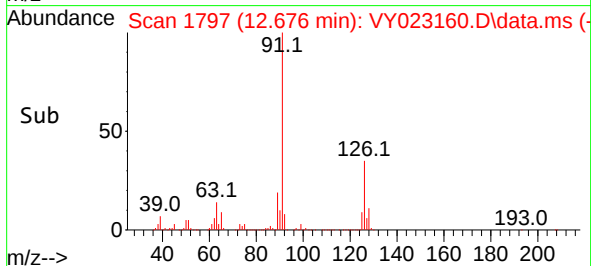
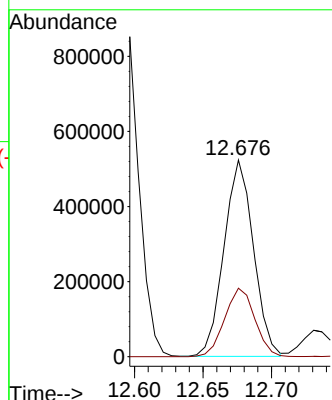
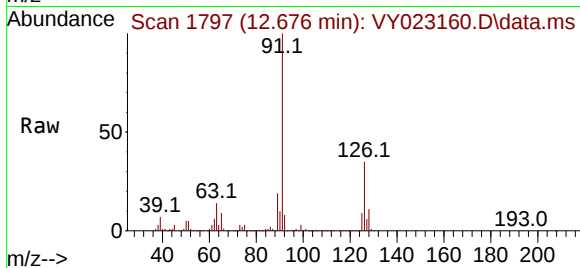
VSTDCCC050EC

Tgt Ion: 91 Resp: 784149

Ion Ratio Lower Upper

91 100

126 35.7 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.180 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023160.D

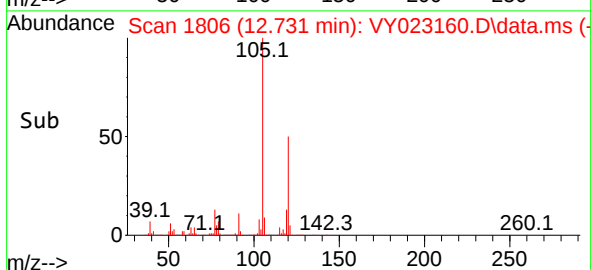
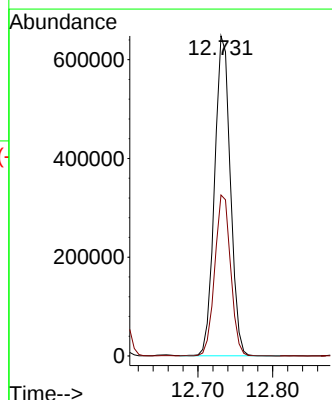
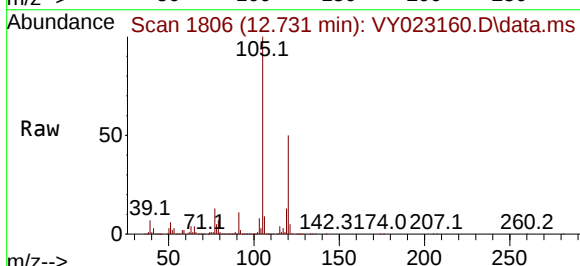
Acq: 19 Aug 2025 19:08

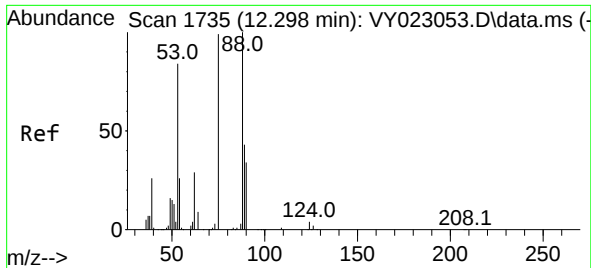
Tgt Ion:105 Resp: 954748

Ion Ratio Lower Upper

105 100

120 50.5 24.8 74.4

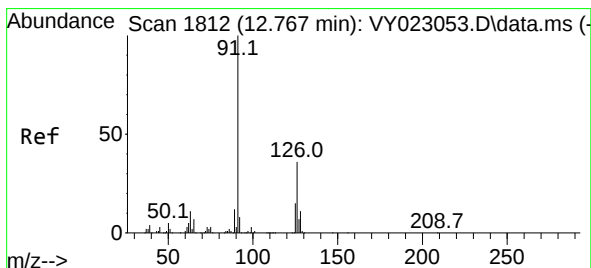
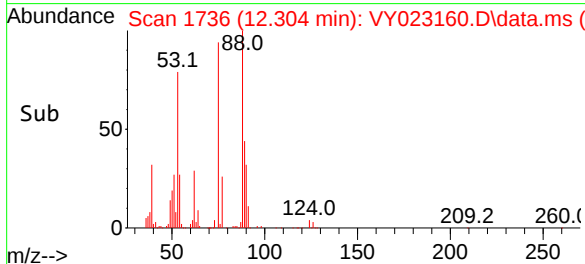
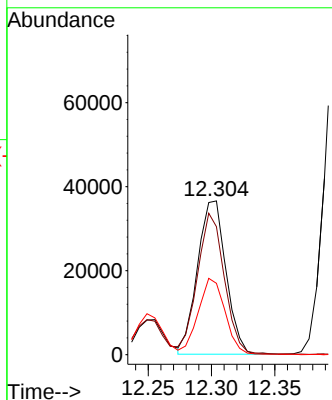
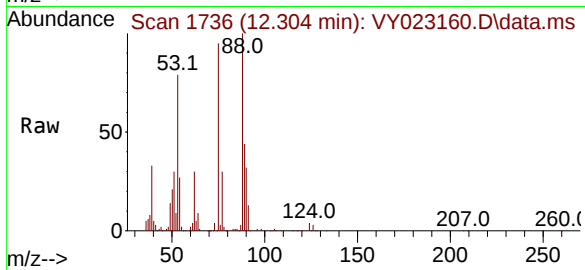




#81
trans-1,4-Dichloro-2-butene
Concen: 43.134 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

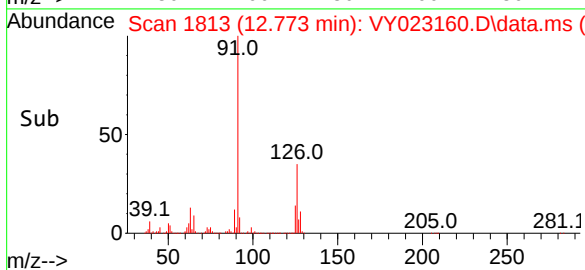
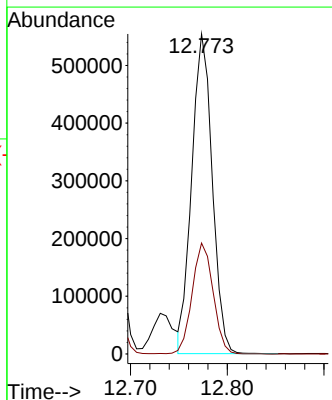
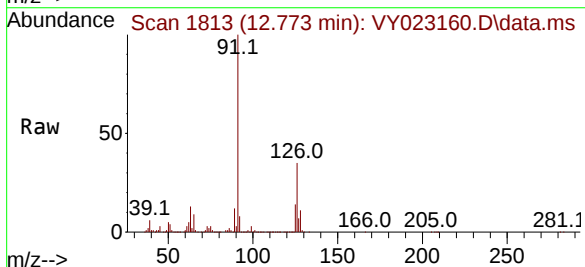
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

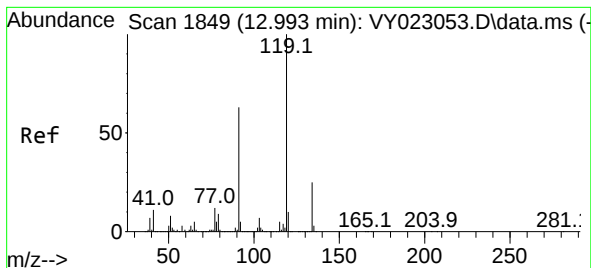
Tgt Ion: 75 Resp: 57362
Ion Ratio Lower Upper
75 100
53 87.5 70.8 106.2
89 47.4 38.1 57.1



#82
4-Chlorotoluene
Concen: 48.995 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 91 Resp: 816232
Ion Ratio Lower Upper
91 100
126 35.6 17.3 52.0





#83

tert-Butylbenzene

Concen: 49.921 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

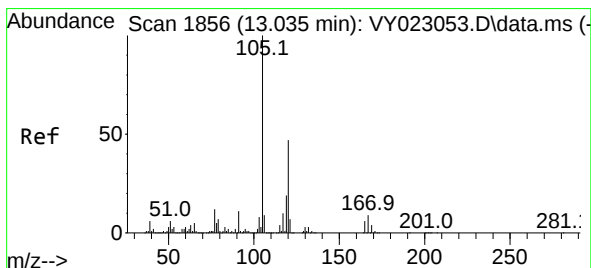
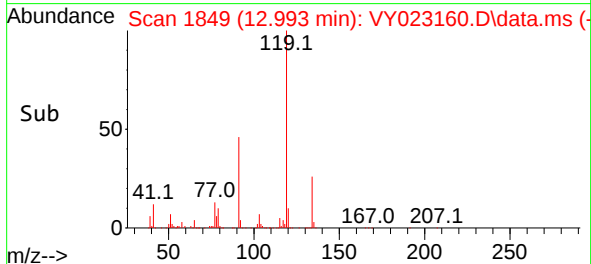
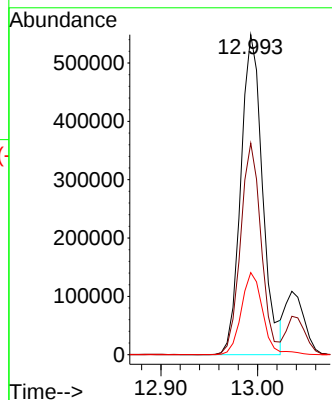
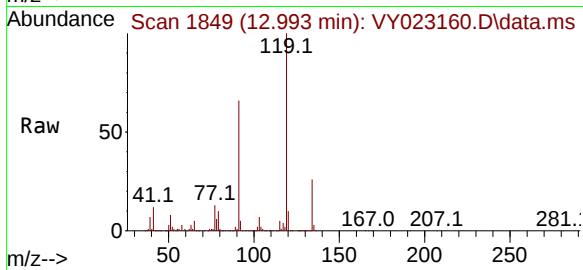
Tgt Ion:119 Resp: 857857

Ion Ratio Lower Upper

119 100

91 63.0 31.6 94.8

134 25.4 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 50.510 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY023160.D

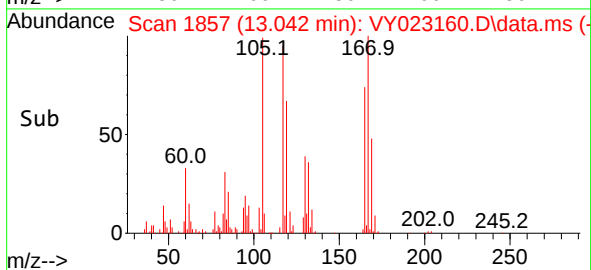
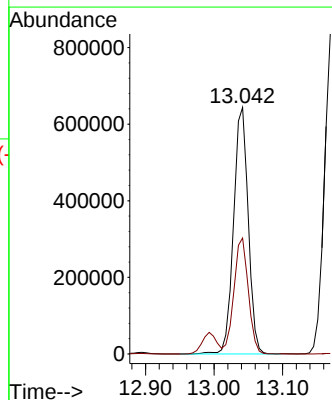
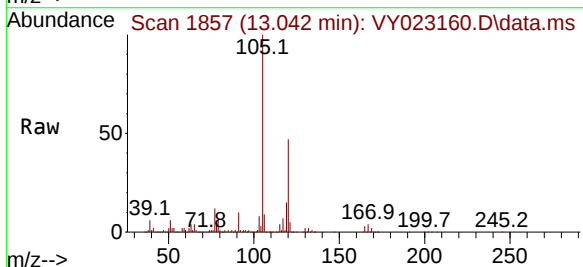
Acq: 19 Aug 2025 19:08

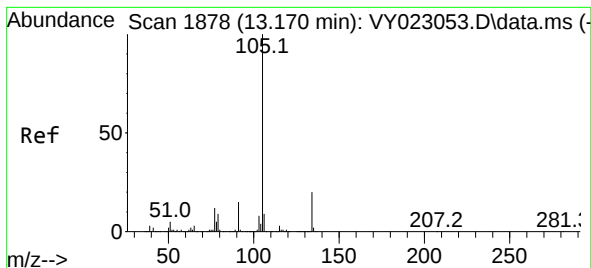
Tgt Ion:105 Resp: 956661

Ion Ratio Lower Upper

105 100

120 46.4 23.0 69.0

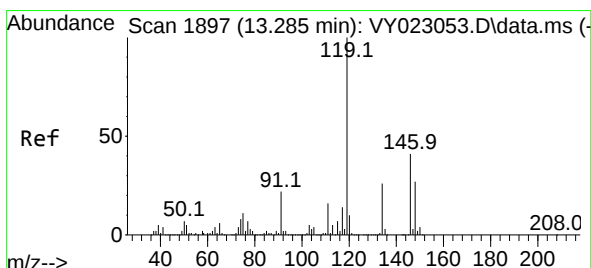
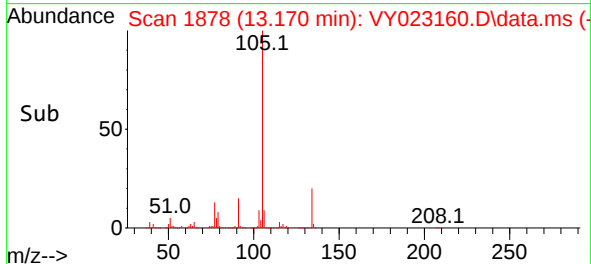
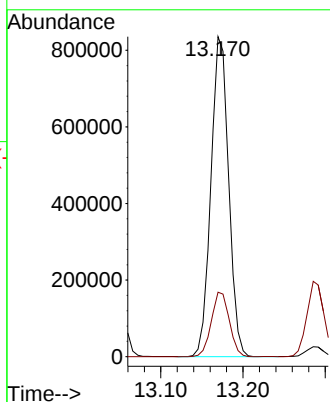
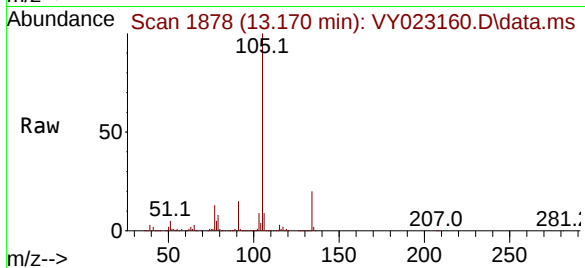




#85
 sec-Butylbenzene
 Concen: 49.485 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

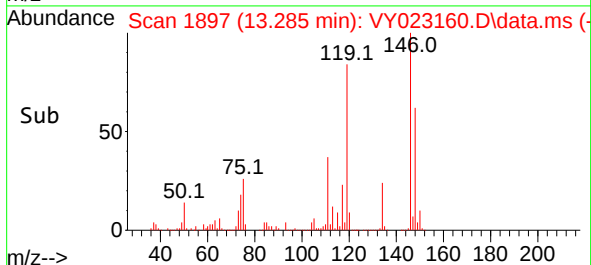
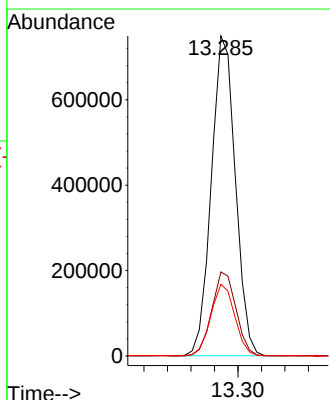
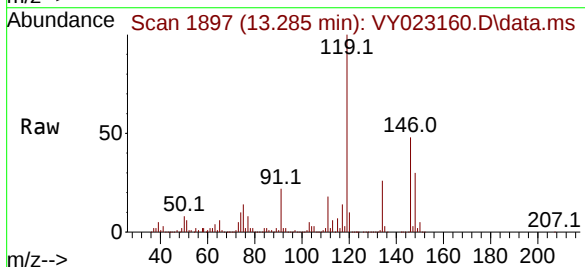
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

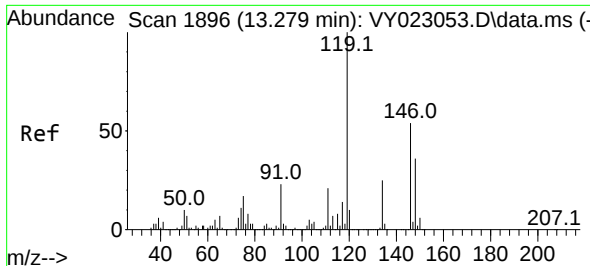
Tgt Ion:105 Resp: 1249164
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 50.842 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion:119 Resp: 1065308
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.6
 91 22.3 11.3 33.8

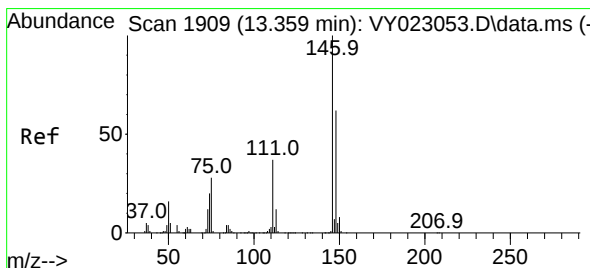
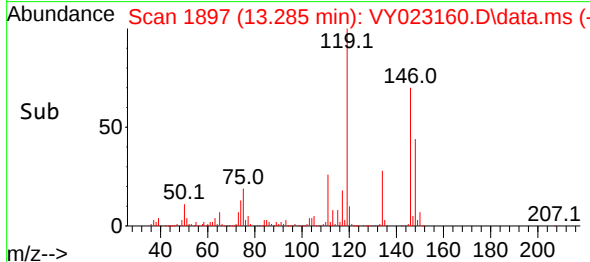
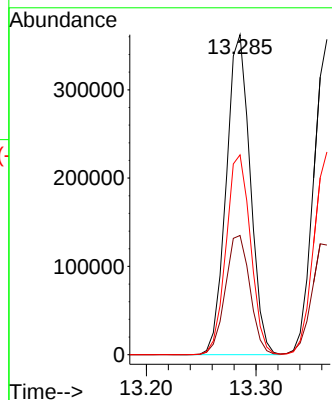
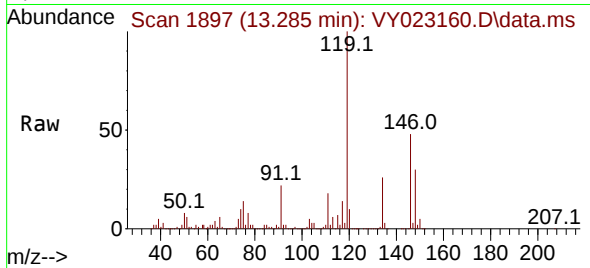




#87
 1,3-Dichlorobenzene
 Concen: 49.644 ug/l
 RT: 13.285 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

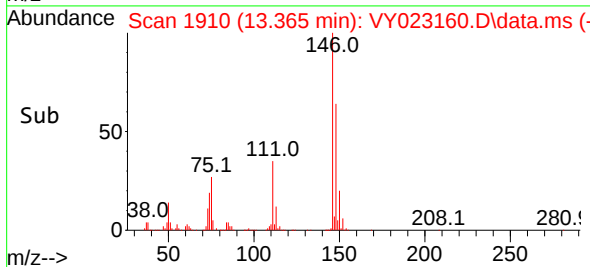
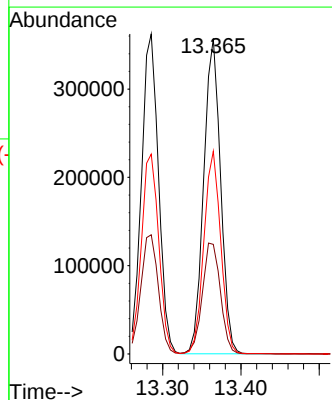
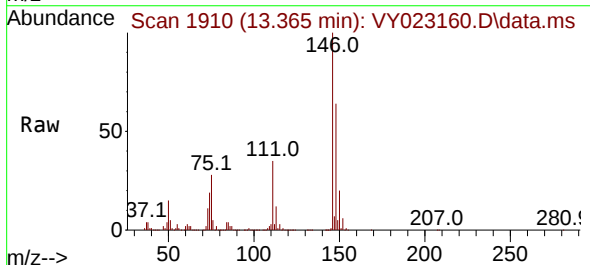
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

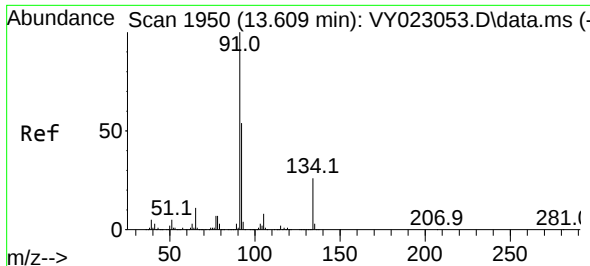
Tgt Ion:146 Resp: 549837
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.6 58.7
 148 63.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.611 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. 0.006 min
 Lab File: VY023160.D
 Acq: 19 Aug 2025 19:08

Tgt Ion:146 Resp: 534086
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 64.3 31.6 94.7

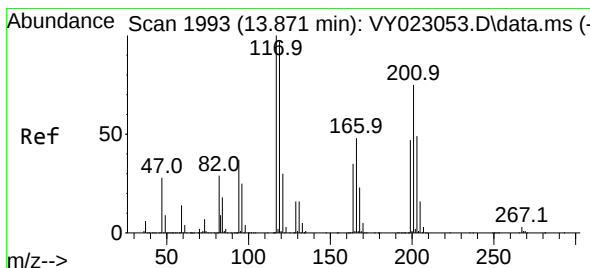
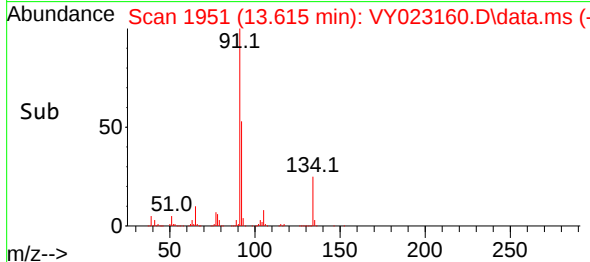
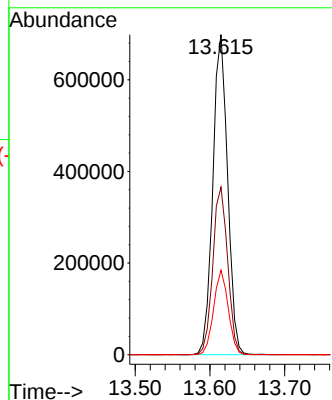
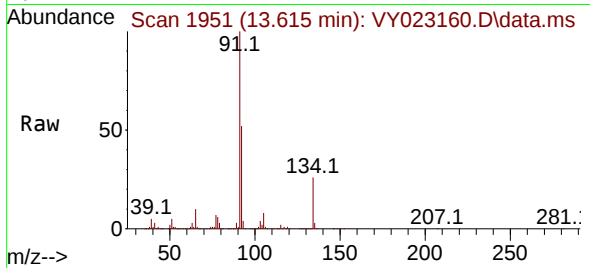




#89
n-Butylbenzene
Concen: 49.746 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

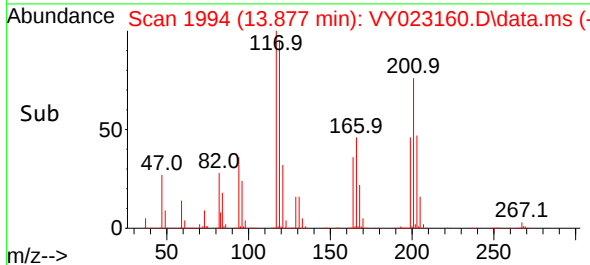
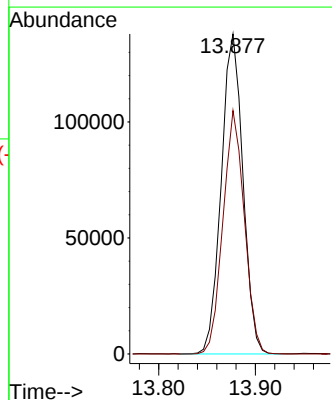
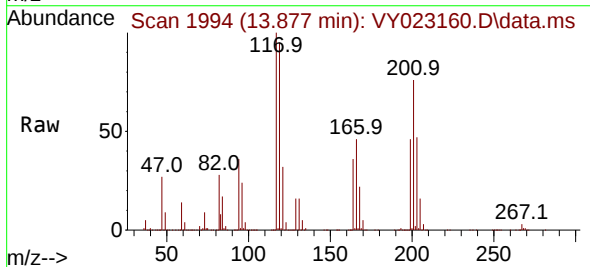
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

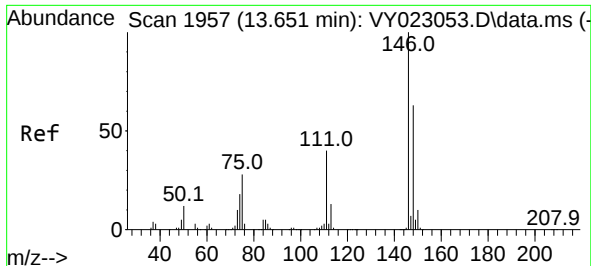
Tgt Ion: 91 Resp: 957330
Ion Ratio Lower Upper
91 100
92 52.9 26.9 80.7
134 26.1 13.2 39.5



#90
Hexachloroethane
Concen: 50.008 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 117 Resp: 214503
Ion Ratio Lower Upper
117 100
201 75.0 38.4 115.1

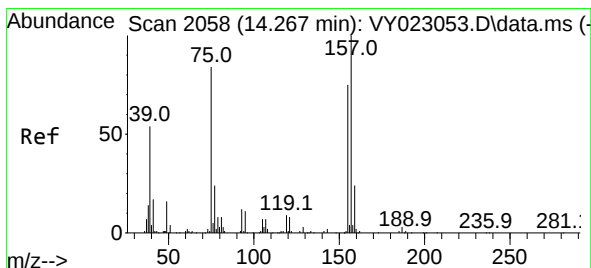
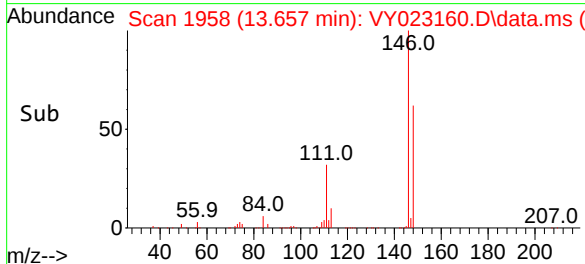
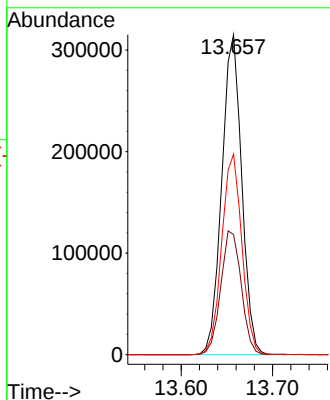
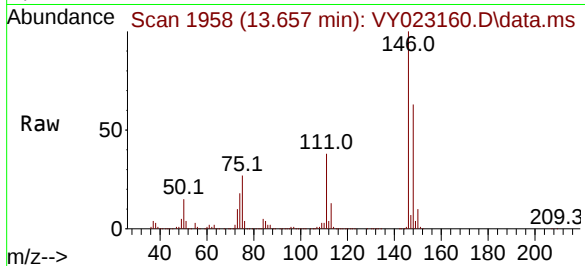




#91
1,2-Dichlorobenzene
Concen: 49.177 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

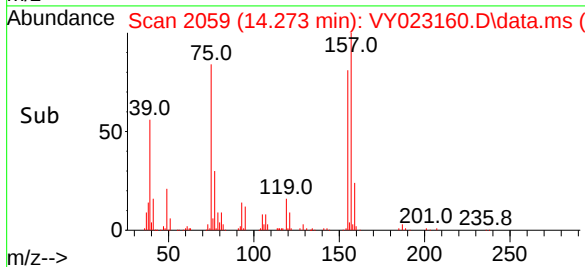
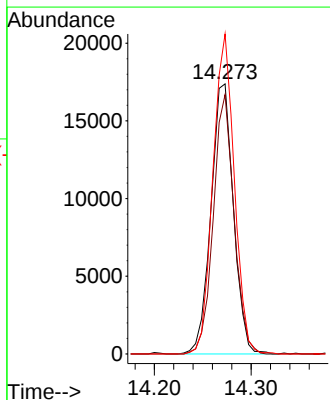
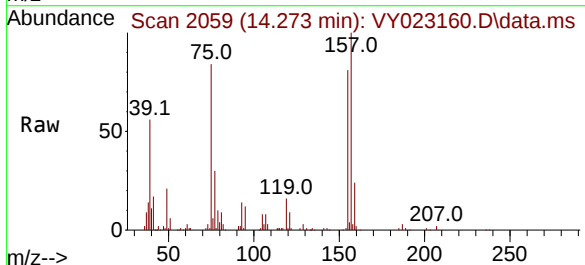
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 477680
Ion Ratio Lower Upper
146 100
111 39.9 20.3 60.8
148 63.5 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.839 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023160.D
Acq: 19 Aug 2025 19:08

Tgt Ion: 75 Resp: 28063
Ion Ratio Lower Upper
75 100
155 88.7 43.9 131.6
157 112.5 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 45.553 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

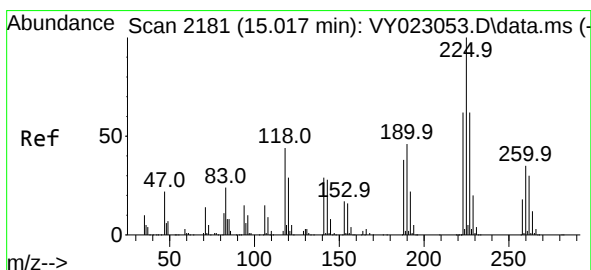
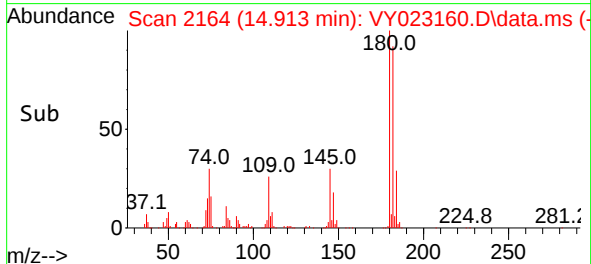
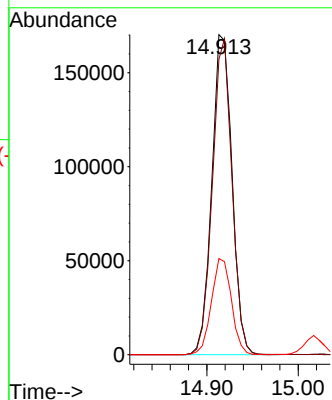
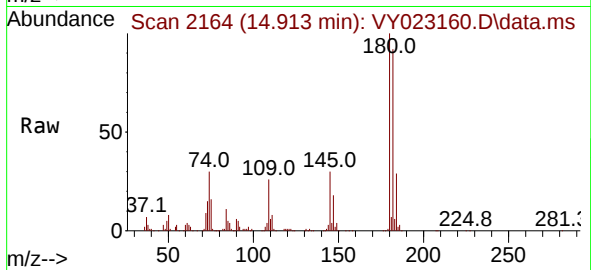
Tgt Ion:180 Resp: 261664

Ion Ratio Lower Upper

180 100

182 95.4 46.8 140.4

145 29.7 14.4 43.4



#94

Hexachlorobutadiene

Concen: 45.434 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

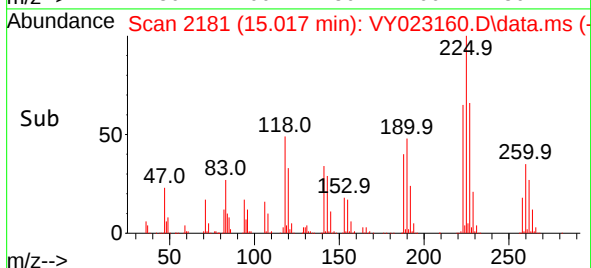
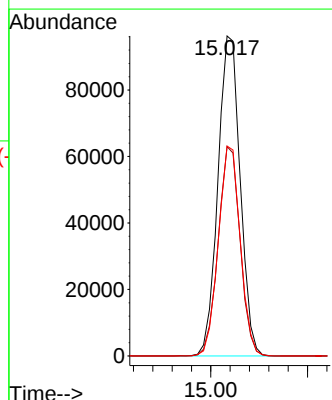
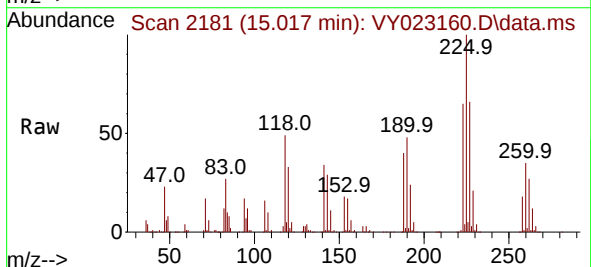
Tgt Ion:225 Resp: 153359

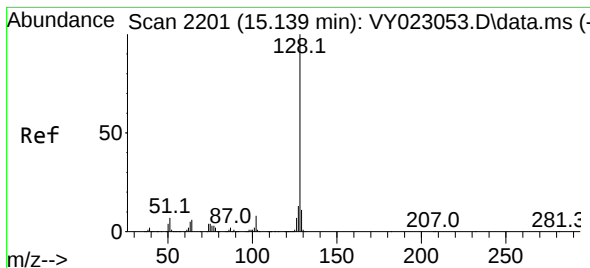
Ion Ratio Lower Upper

225 100

223 64.2 31.3 93.8

227 64.6 31.5 94.5





#95

Naphthalene

Concen: 46.168 ug/l

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

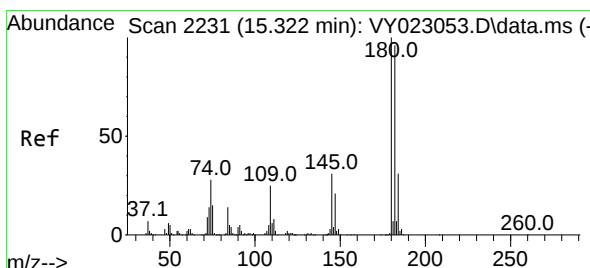
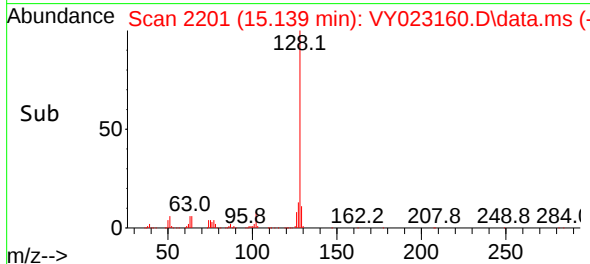
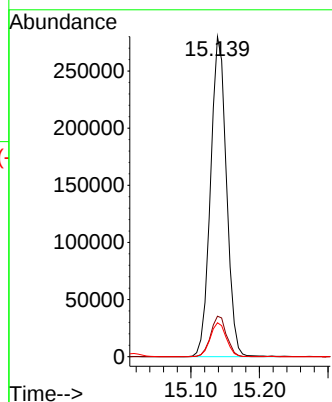
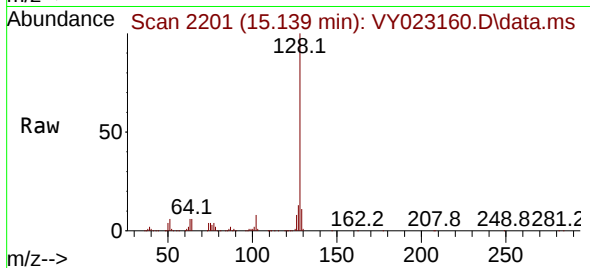
Tgt Ion:128 Resp: 452211

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.7 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 45.311 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023160.D

Acq: 19 Aug 2025 19:08

Tgt Ion:180 Resp: 224276

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.7

145 31.5 15.9 47.7

