

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022046.D
 Acq On : 29 Apr 2025 09:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	330337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	453549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245911	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132828	43.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.060%
35) Dibromofluoromethane	7.634	113	152279	47.486	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.980%
50) Toluene-d8	10.109	98	583606	48.273	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.408	95	195893	48.133	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.260%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	122464	43.507	ug/l	99
3) Chloromethane	2.068	50	175705	43.839	ug/l	99
4) Vinyl Chloride	2.202	62	219850	44.638	ug/l	99
5) Bromomethane	2.598	94	169641	39.979	ug/l	95
6) Chloroethane	2.732	64	141865	42.293	ug/l	98
7) Trichlorofluoromethane	3.056	101	282628	43.517	ug/l	97
8) Diethyl Ether	3.452	74	71445	42.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	153834	43.664	ug/l	99
10) Methyl Iodide	4.001	142	189693	46.504	ug/l	100
11) Tert butyl alcohol	4.872	59	37456	223.602	ug/l	99
12) 1,1-Dichloroethene	3.787	96	145943	44.442	ug/l	98
13) Acrolein	3.653	56	70343	233.968	ug/l	98
14) Allyl chloride	4.385	41	165590	43.306	ug/l	99
15) Acrylonitrile	5.061	53	138019	223.027	ug/l	99
16) Acetone	3.873	43	107650	271.364	ug/l	93
17) Carbon Disulfide	4.104	76	451363	43.107	ug/l	99
18) Methyl Acetate	4.391	43	68974	48.392	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	333065	45.315	ug/l	97
20) Methylene Chloride	4.616	84	154498	40.043	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	161542	43.924	ug/l	98
22) Diisopropyl ether	6.019	45	382029	44.895	ug/l	99
23) Vinyl Acetate	5.958	43	1039804	226.736	ug/l	99
24) 1,1-Dichloroethane	5.915	63	256272	43.448	ug/l	99
25) 2-Butanone	6.896	43	161708	232.499	ug/l	99
26) 2,2-Dichloropropane	6.884	77	234207	45.304	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184250	44.805	ug/l	99
28) Bromochloromethane	7.244	49	106431	46.456	ug/l	97
29) Tetrahydrofuran	7.262	42	104861	232.133	ug/l	97
30) Chloroform	7.421	83	289823	44.298	ug/l	99
31) Cyclohexane	7.701	56	218435	43.306	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	260780	44.057	ug/l	99
36) 1,1-Dichloropropene	7.835	75	200053	46.442	ug/l	99
37) Ethyl Acetate	6.988	43	73636	47.597	ug/l	99
38) Carbon Tetrachloride	7.817	117	247130	48.012	ug/l	97
39) Methylcyclohexane	9.109	83	256540	47.325	ug/l	97
40) Benzene	8.079	78	631609	46.906	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	35008	41.395	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	154947	46.477	ug/l	99
43) Isopropyl Acetate	8.195	43	137822	46.389	ug/l #	85
44) Trichloroethene	8.866	130	174874	46.887	ug/l	98
45) 1,2-Dichloropropane	9.140	63	139252	46.764	ug/l	99
46) Dibromomethane	9.231	93	87764	47.082	ug/l	99
47) Bromodichloromethane	9.426	83	221624	47.592	ug/l	99
48) Methyl methacrylate	9.219	41	67675	49.274	ug/l	98
49) 1,4-Dioxane	9.231	88	19815	997.336	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	390782	250.912	ug/l	100
52) Toluene	10.170	92	422459	48.468	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	190842	47.779	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	224035	47.184	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	119964	48.179	ug/l	97
56) Ethyl methacrylate	10.438	69	142098	49.904	ug/l	99
57) 1,3-Dichloropropane	10.719	76	191688	48.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	367778	264.171	ug/l	99
59) 2-Hexanone	10.762	43	264521	257.500	ug/l	100
60) Dibromochloromethane	10.914	129	169164	49.071	ug/l	100
61) 1,2-Dibromoethane	11.018	107	114653	48.774	ug/l	99
64) Tetrachloroethene	10.646	164	203863	47.647	ug/l	97
65) Chlorobenzene	11.444	112	468931	46.234	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	166562	46.647	ug/l	99
67) Ethyl Benzene	11.524	91	791052	47.678	ug/l	100
68) m/p-Xylenes	11.627	106	645425	97.760	ug/l	99
69) o-Xylene	11.956	106	294487	48.395	ug/l	98
70) Styrene	11.969	104	503254	49.256	ug/l	99
71) Bromoform	12.133	173	101395	48.842	ug/l #	99
73) Isopropylbenzene	12.255	105	775025	47.173	ug/l	99
74) N-amyl acetate	12.072	43	128926	45.674	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	127155	45.905	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	167644	79.590	ug/l #	100
77) Bromobenzene	12.536	156	195202	47.020	ug/l	98
78) n-propylbenzene	12.597	91	925377	47.296	ug/l	100
79) 2-Chlorotoluene	12.682	91	525989	46.226	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	647472	47.830	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	40197	45.956	ug/l	99
82) 4-Chlorotoluene	12.779	91	555774	46.986	ug/l	100
83) tert-Butylbenzene	12.999	119	573871	47.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	648390	47.887	ug/l	99
85) sec-Butylbenzene	13.176	105	843779	47.496	ug/l	100
86) p-Isopropyltoluene	13.292	119	728842	48.314	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	390607	46.325	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	386869	46.327	ug/l	98
89) n-Butylbenzene	13.621	91	630349	46.748	ug/l	99
90) Hexachloroethane	13.883	117	150746	45.482	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	338387	46.013	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19628	44.539	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	197372	47.361	ug/l	99
94) Hexachlorobutadiene	15.023	225	118961	46.396	ug/l	99
95) Naphthalene	15.145	128	337462	48.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	172242	47.880	ug/l	99

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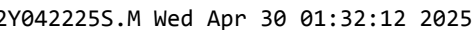
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

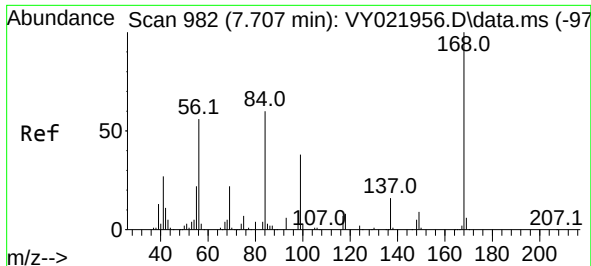
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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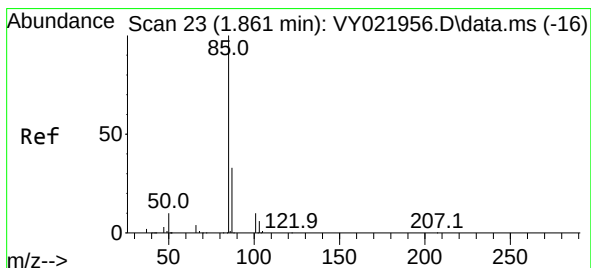
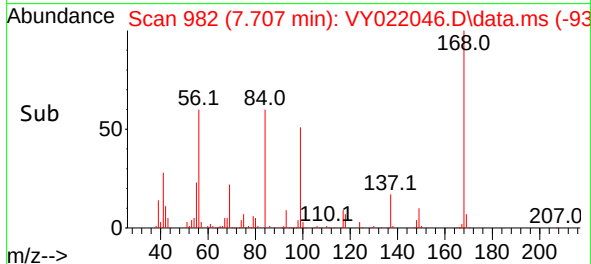
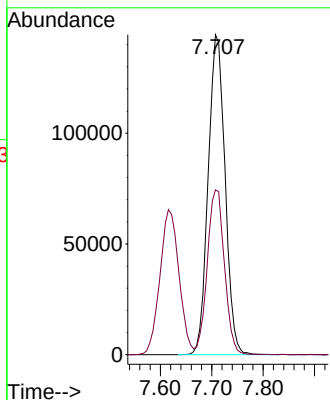
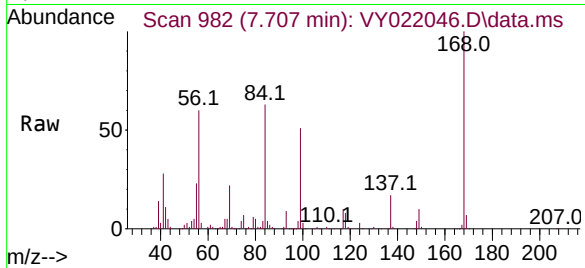




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022046.D
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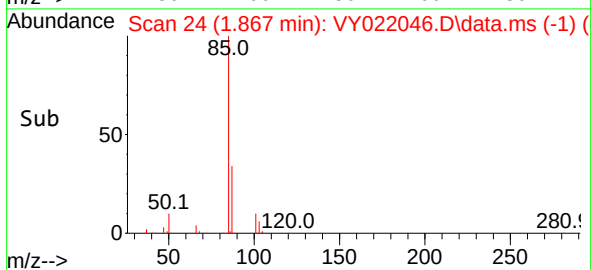
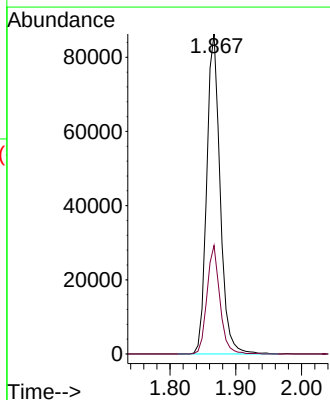
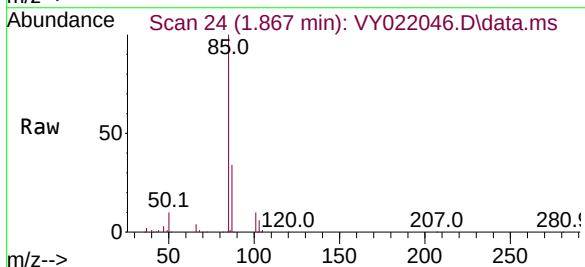
Instrument :
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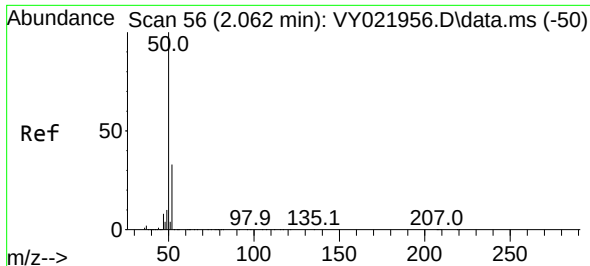
Tgt Ion:168 Resp: 330337
Ion Ratio Lower Upper
168 100
99 51.4 43.1 64.7



#2
Dichlorodifluoromethane
Concen: 43.507 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 85 Resp: 122464
Ion Ratio Lower Upper
85 100
87 33.9 16.6 49.7

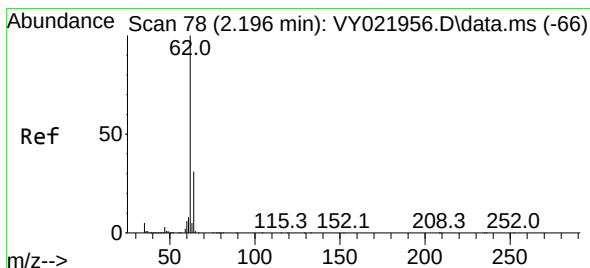
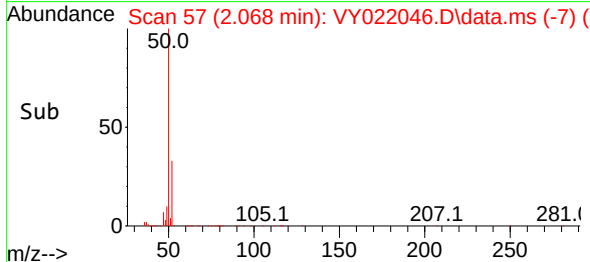
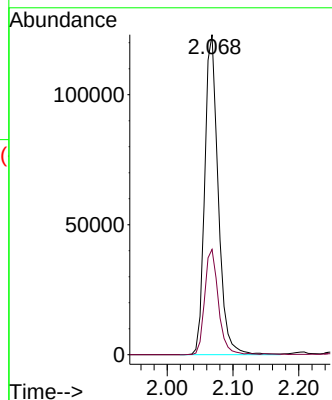
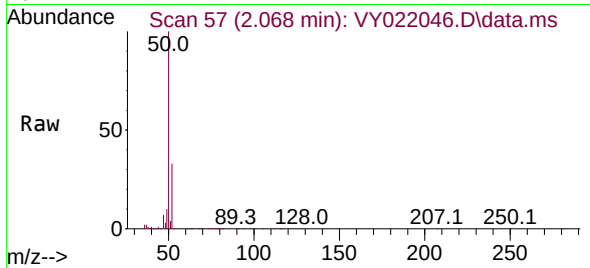




#3
Chloromethane
Concen: 43.839 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

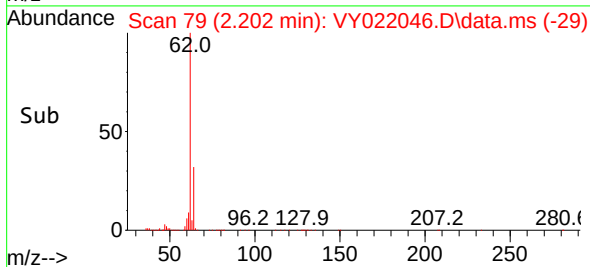
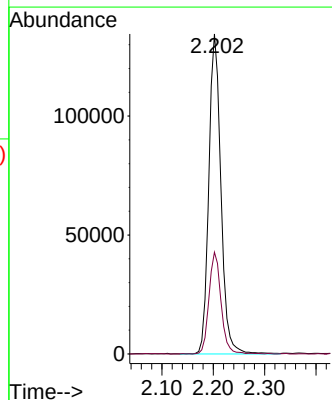
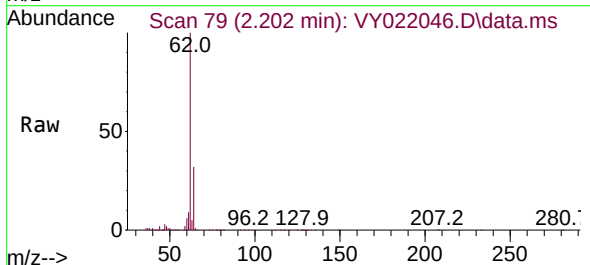
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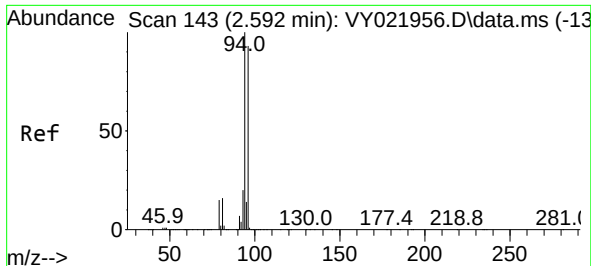
Tgt Ion: 50 Resp: 175705
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1



#4
Vinyl Chloride
Concen: 44.638 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 62 Resp: 219850
Ion Ratio Lower Upper
62 100
64 31.8 25.1 37.7

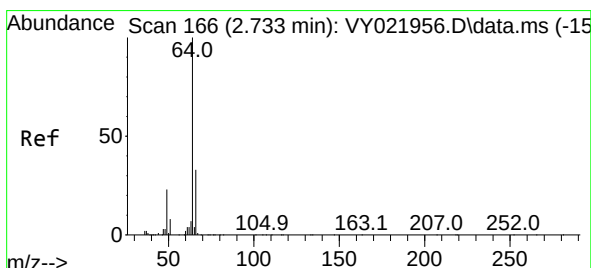
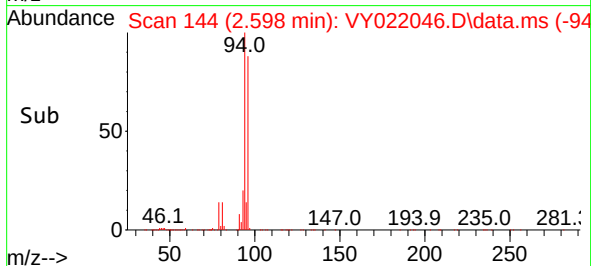
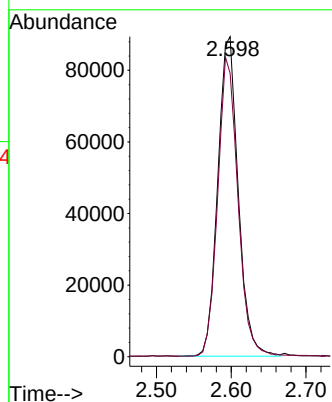
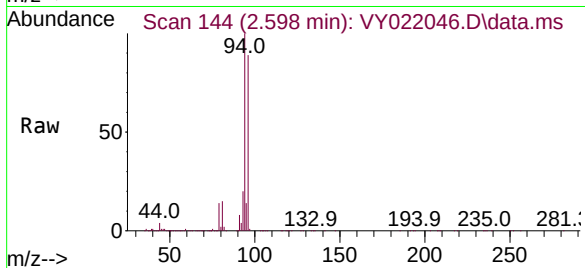




#5
Bromomethane
Concen: 39.979 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

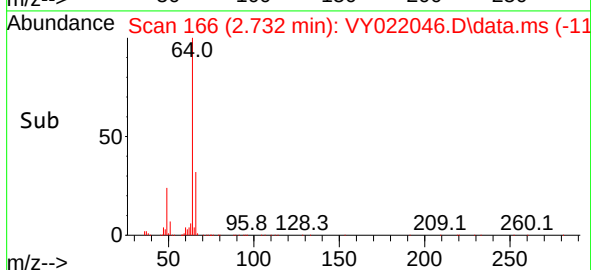
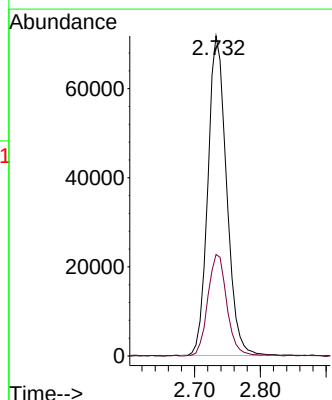
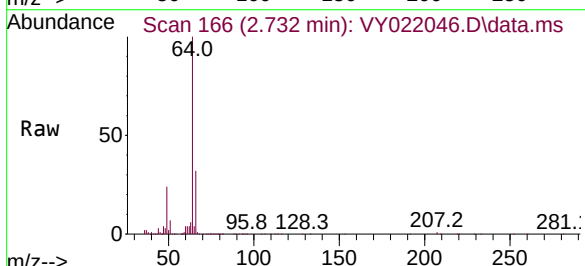
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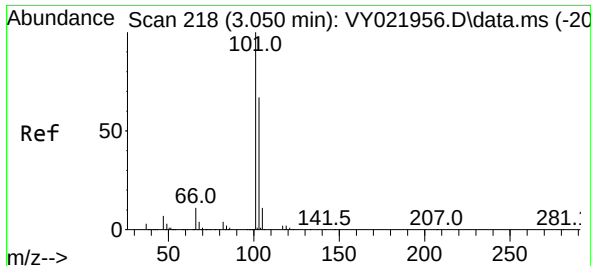
Tgt Ion: 94 Resp: 169641
Ion Ratio Lower Upper
94 100
96 88.5 74.6 111.8



#6
Chloroethane
Concen: 42.293 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 64 Resp: 141865
Ion Ratio Lower Upper
64 100
66 31.8 26.2 39.4

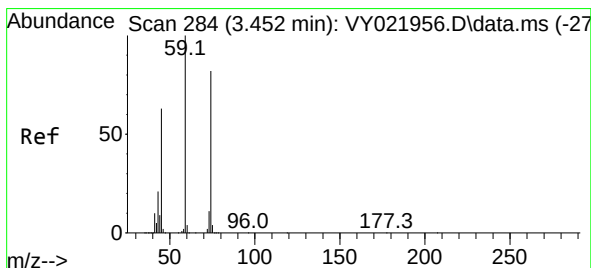
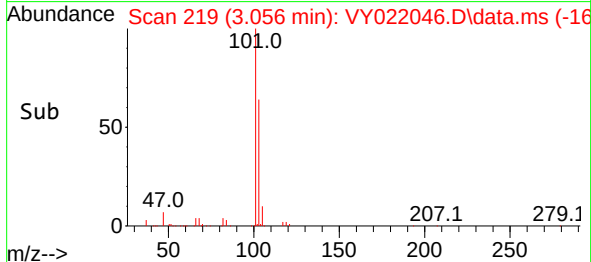
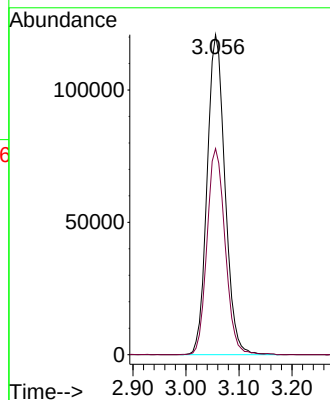
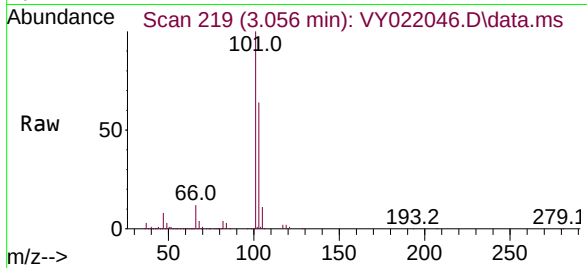




#7
Trichlorofluoromethane
Concen: 43.517 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022046.D
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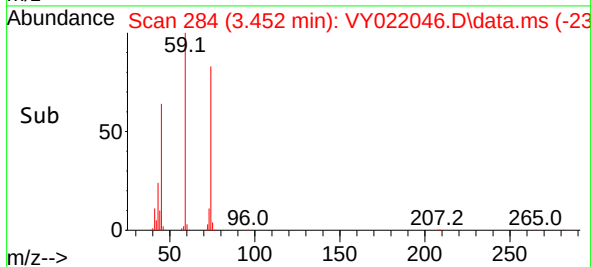
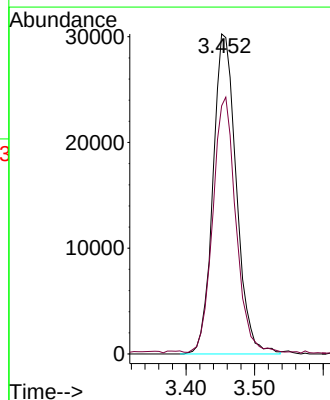
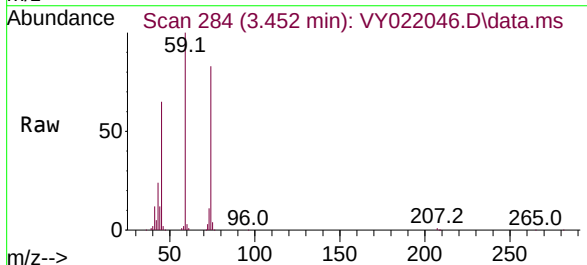
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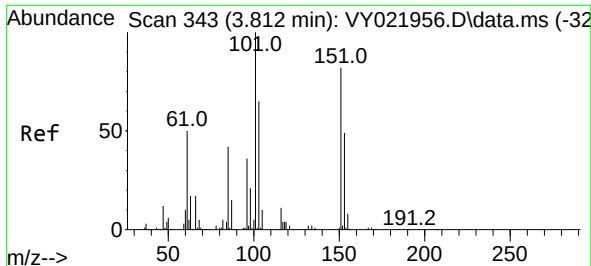
Tgt Ion:101 Resp: 282628
Ion Ratio Lower Upper
101 100
103 64.3 53.6 80.4



#8
Diethyl Ether
Concen: 42.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 74 Resp: 71445
Ion Ratio Lower Upper
74 100
45 79.3 39.1 117.5

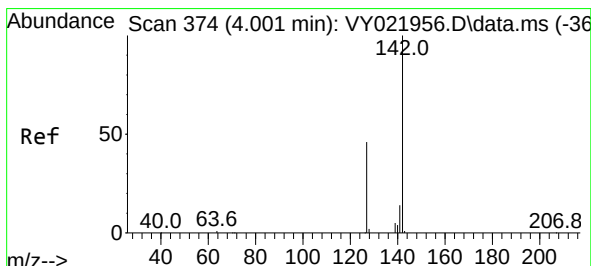
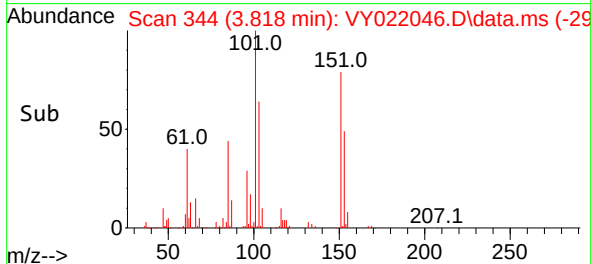
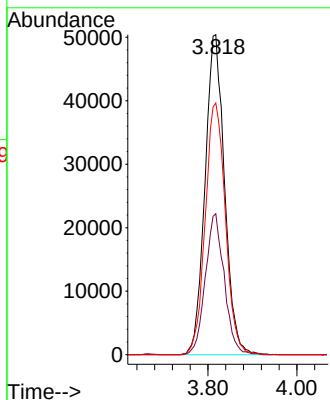
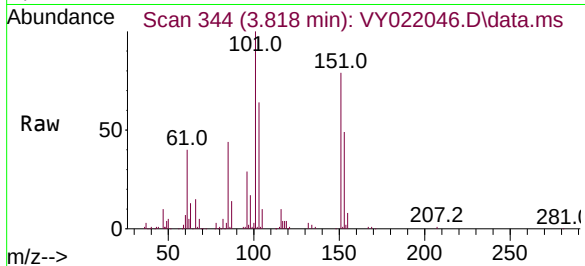




#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.664 ug/l
RT: 3.818 min Scan# 343
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

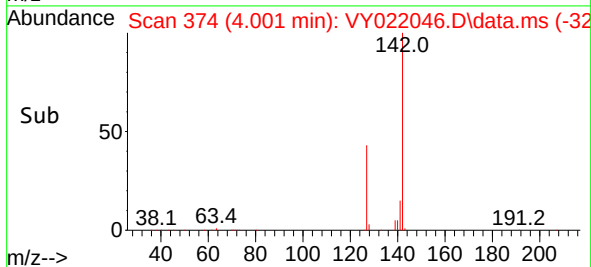
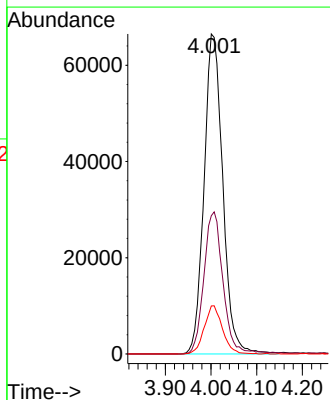
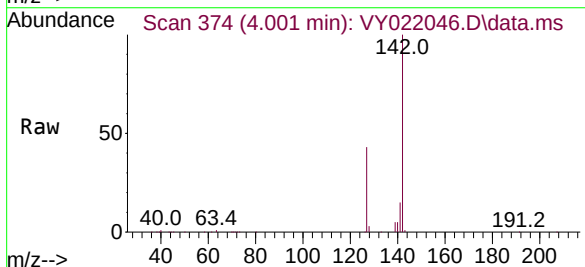
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

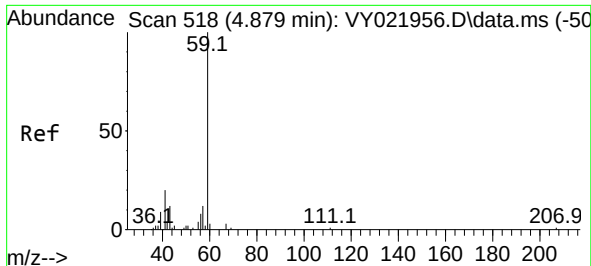
Tgt Ion:101 Resp: 153834
Ion Ratio Lower Upper
101 100
85 42.7 34.6 51.8
151 81.2 63.7 95.5



#10
Methyl Iodide
Concen: 46.504 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:142 Resp: 189693
Ion Ratio Lower Upper
142 100
127 45.2 36.2 54.2
141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 223.602 ug/l

RT: 4.872 min Scan# 518

Delta R.T. -0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

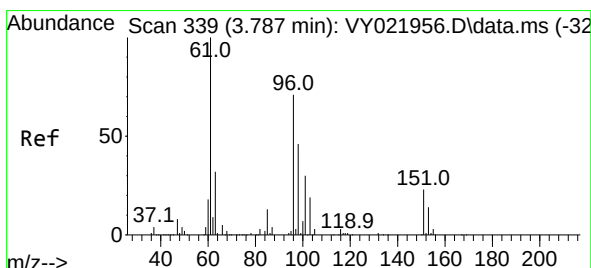
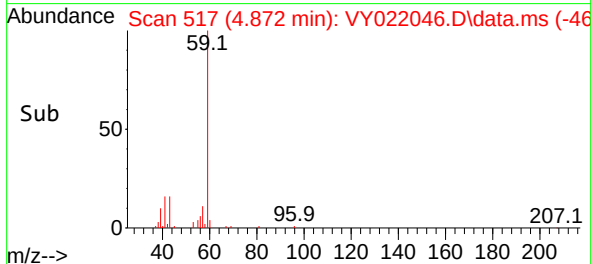
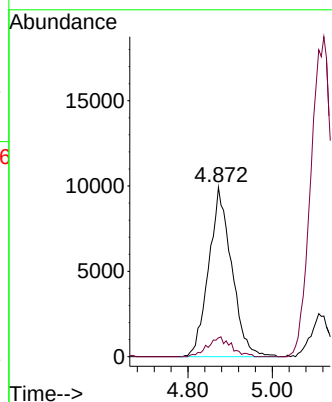
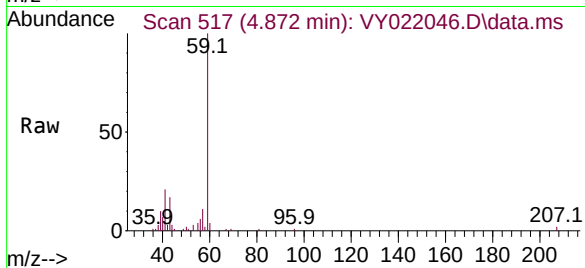
VSTDCCC050

Tgt Ion: 59 Resp: 37456

Ion Ratio Lower Upper

59 100

57 12.0 9.3 13.9



#12

1,1-Dichloroethene

Concen: 44.442 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

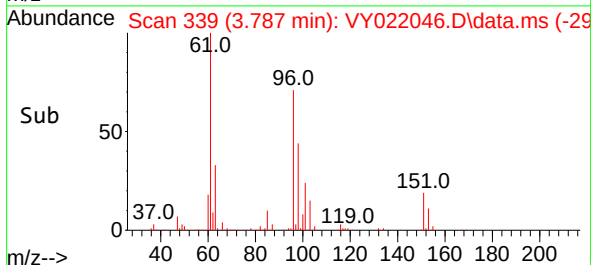
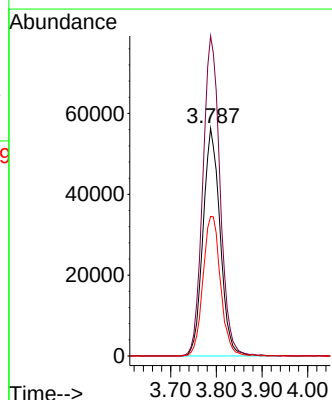
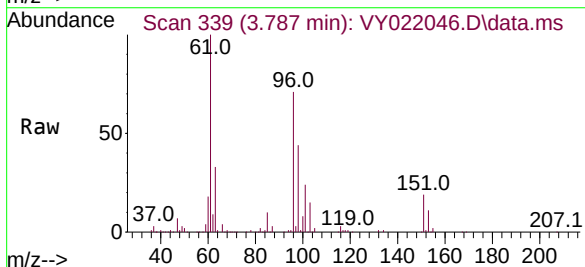
Tgt Ion: 96 Resp: 145943

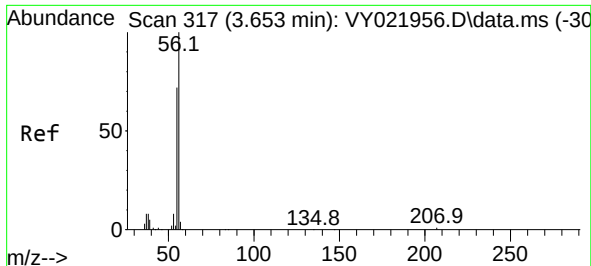
Ion Ratio Lower Upper

96 100

61 140.5 113.0 169.4

98 61.2 51.4 77.2

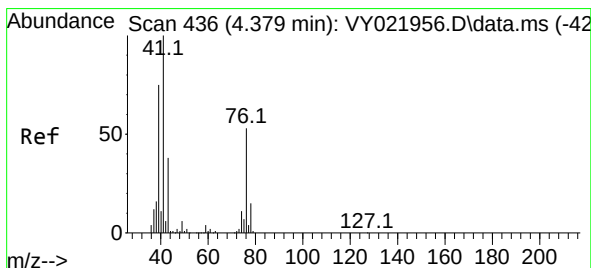
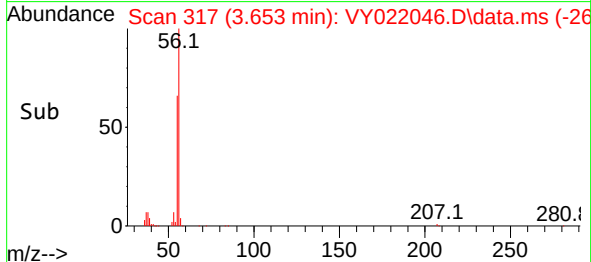
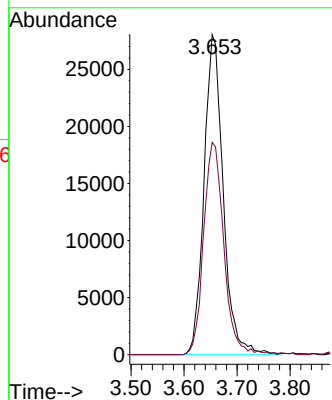
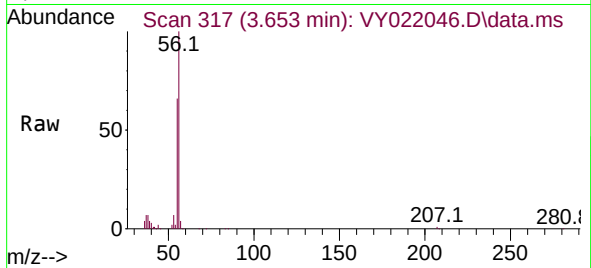




#13
Acrolein
Concen: 233.968 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

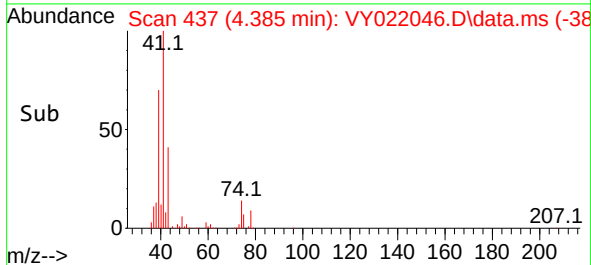
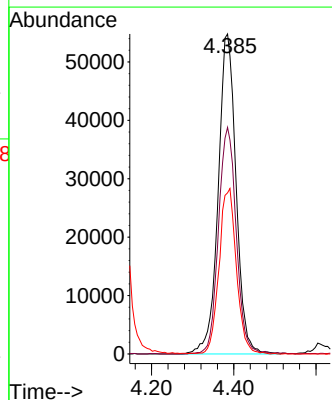
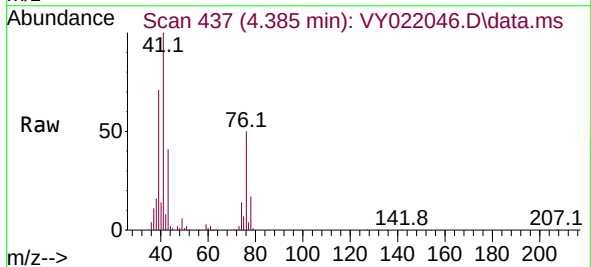
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

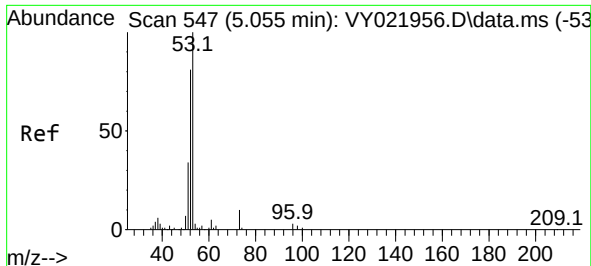
Tgt Ion: 56 Resp: 70343
Ion Ratio Lower Upper
56 100
55 69.9 57.4 86.0



#14
Allyl chloride
Concen: 43.306 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 41 Resp: 165590
Ion Ratio Lower Upper
41 100
39 70.4 57.2 85.8
76 50.2 39.7 59.5

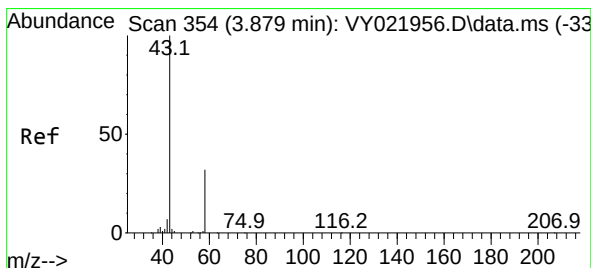
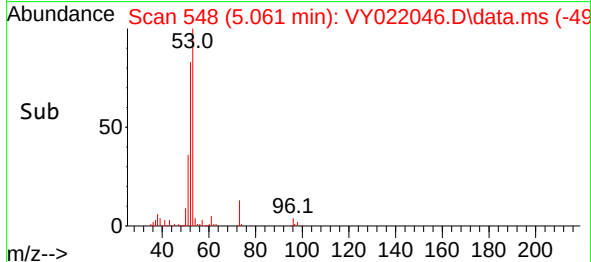
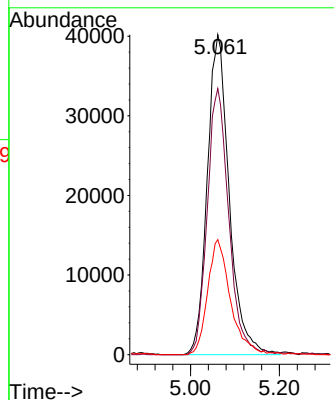
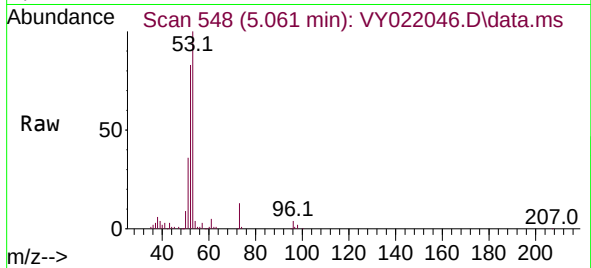




#15
Acrylonitrile
Concen: 223.027 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

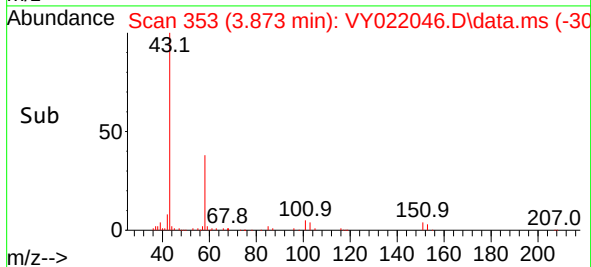
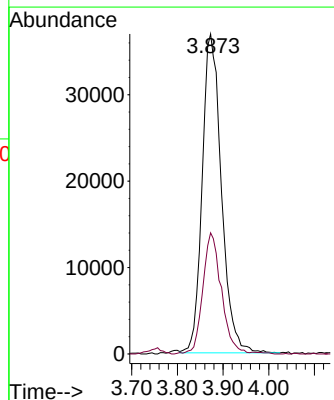
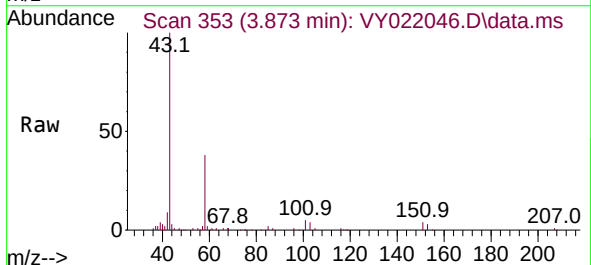
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

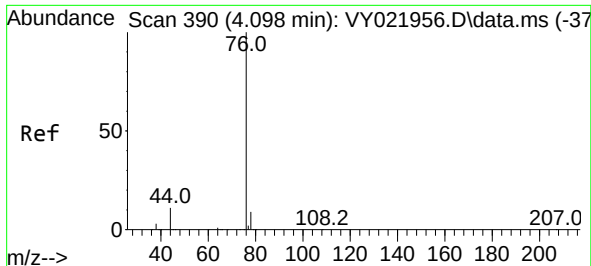
Tgt Ion: 53 Resp: 138019
Ion Ratio Lower Upper
53 100
52 81.0 65.0 97.6
51 37.3 28.9 43.3



#16
Acetone
Concen: 271.364 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 107650
Ion Ratio Lower Upper
43 100
58 38.0 27.0 40.4

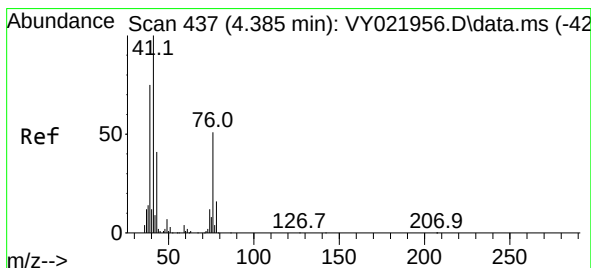
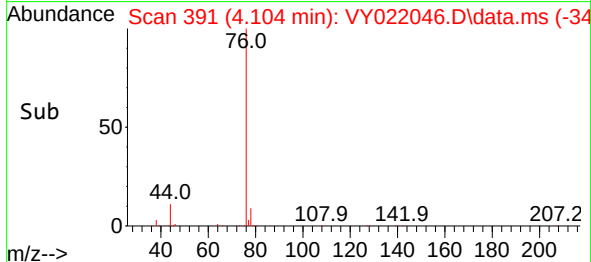
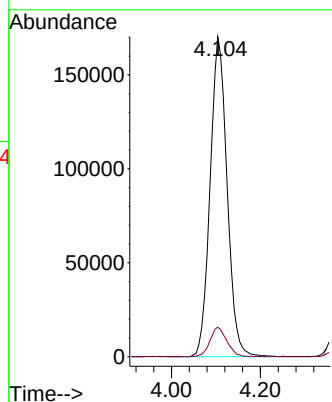
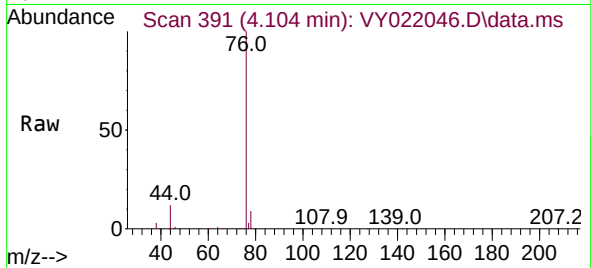




#17
Carbon Disulfide
Concen: 43.107 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

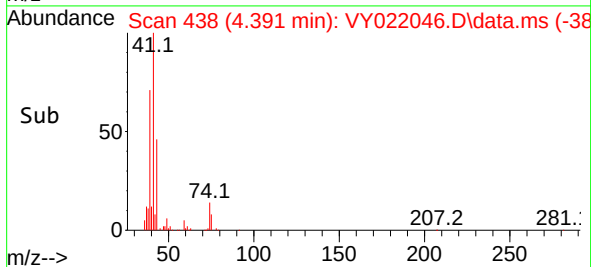
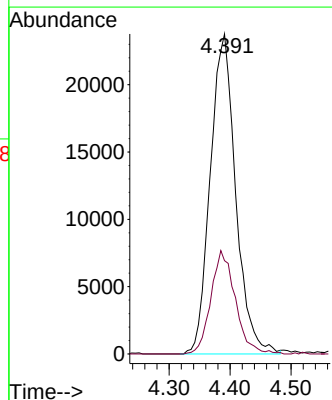
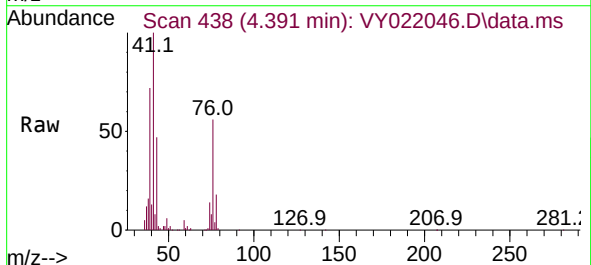
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

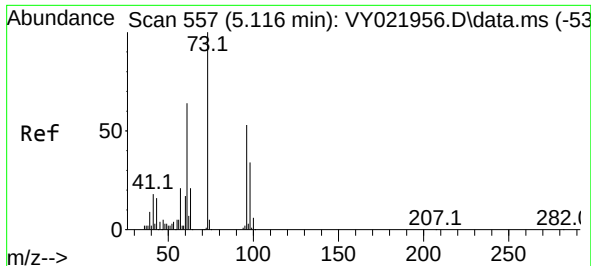
Tgt Ion: 76 Resp: 451363
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4



#18
Methyl Acetate
Concen: 48.392 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 68974
Ion Ratio Lower Upper
43 100
74 31.0 24.2 36.4





#19

Methyl tert-butyl Ether

Concen: 45.315 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

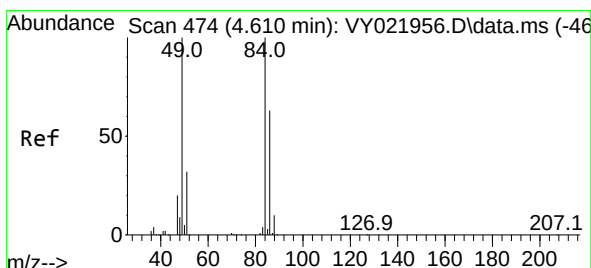
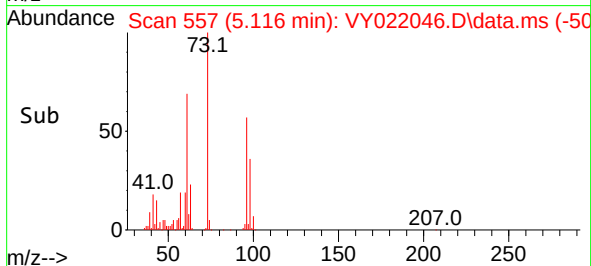
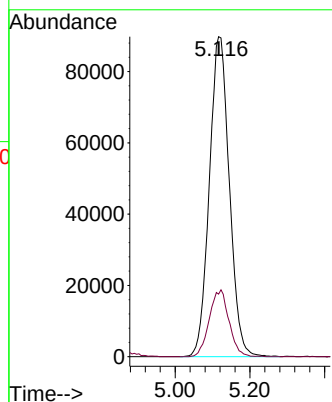
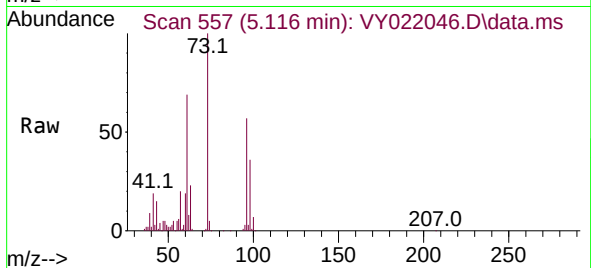
VSTDCCC050

Tgt Ion: 73 Resp: 333065

Ion Ratio Lower Upper

73 100

57 19.6 16.9 25.3



#20

Methylene Chloride

Concen: 40.043 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion: 84 Resp: 154498

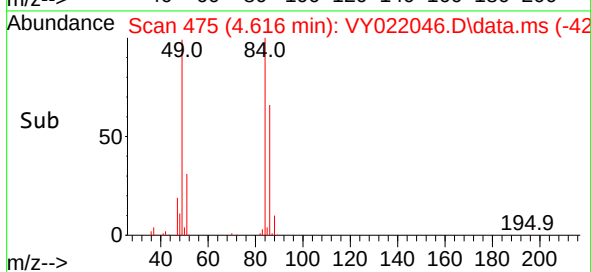
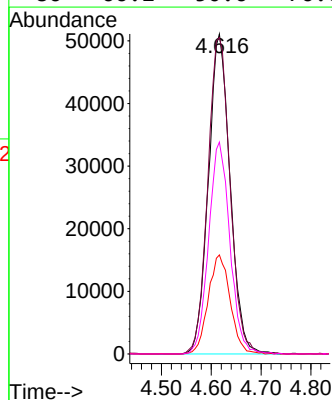
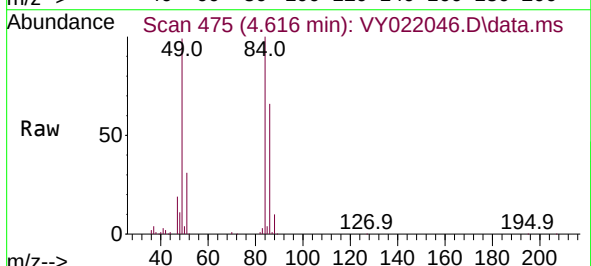
Ion Ratio Lower Upper

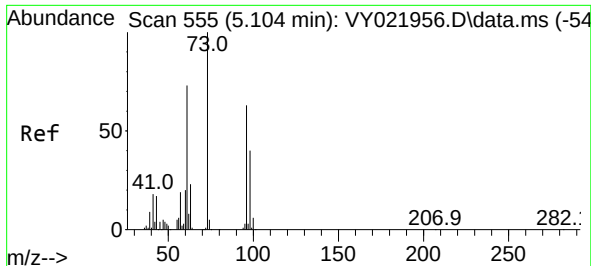
84 100

49 98.9 79.9 119.9

51 31.0 25.4 38.0

86 66.2 50.6 76.0

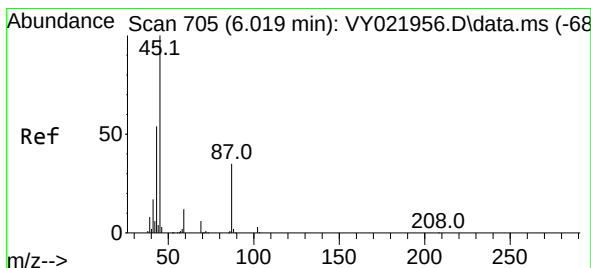
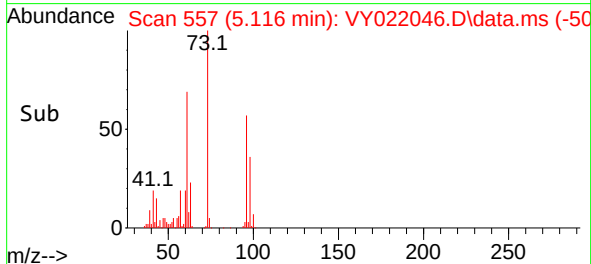
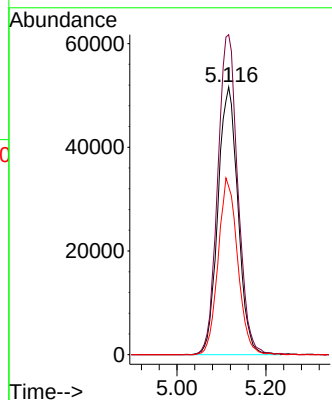
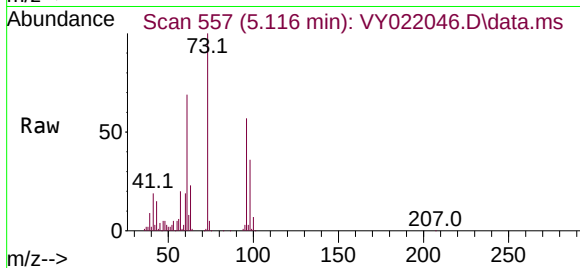




#21
trans-1,2-Dichloroethene
Concen: 43.924 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

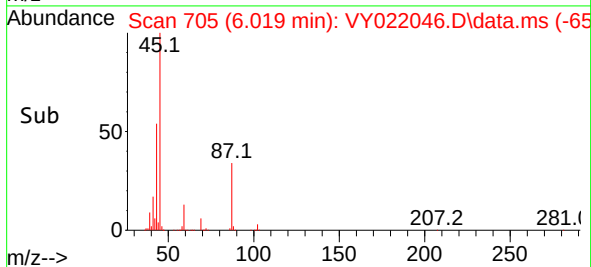
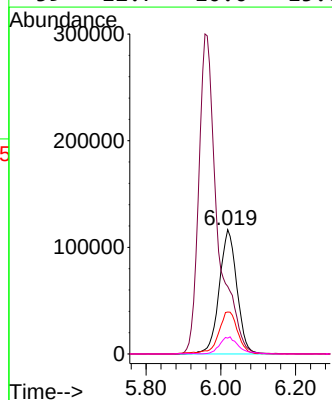
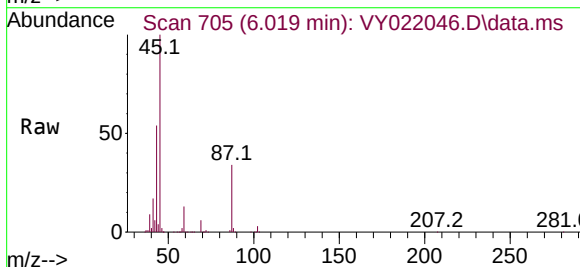
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

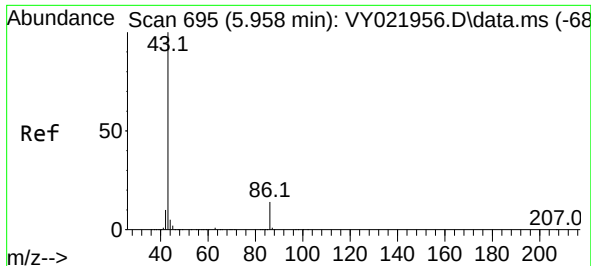
Tgt Ion: 96 Resp: 161542
Ion Ratio Lower Upper
96 100
61 119.5 92.6 138.8
98 62.8 50.2 75.4



#22
Diisopropyl ether
Concen: 44.895 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 45 Resp: 382029
Ion Ratio Lower Upper
45 100
43 54.1 43.6 65.4
87 33.7 28.2 42.4
59 12.7 10.0 15.0

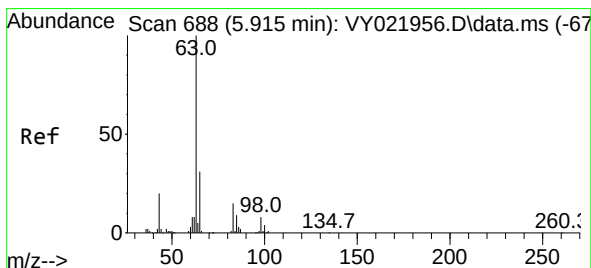
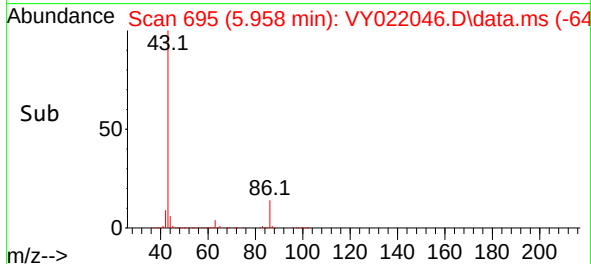
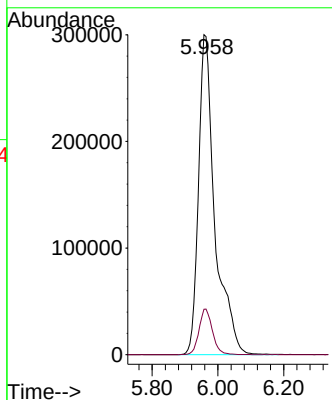
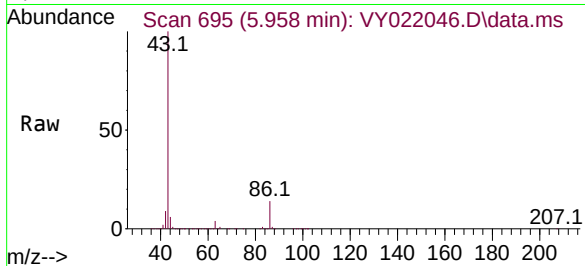




#23
 Vinyl Acetate
 Concen: 226.736 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VY022046.D
 Acq: 29 Apr 2025 09:28

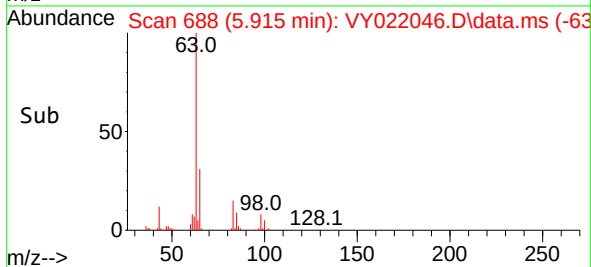
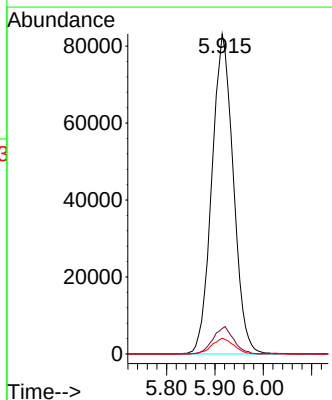
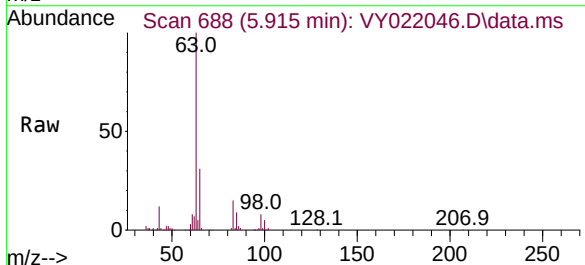
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

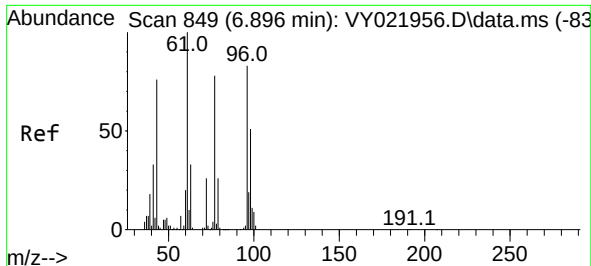
Tgt Ion: 43 Resp: 1039804
 Ion Ratio Lower Upper
 43 100
 86 14.2 11.1 16.7



#24
 1,1-Dichloroethane
 Concen: 43.448 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.000 min
 Lab File: VY022046.D
 Acq: 29 Apr 2025 09:28

Tgt Ion: 63 Resp: 256272
 Ion Ratio Lower Upper
 63 100
 98 8.0 4.0 11.9
 100 4.9 2.0 6.0





#25

2-Butanone

Concen: 232.499 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

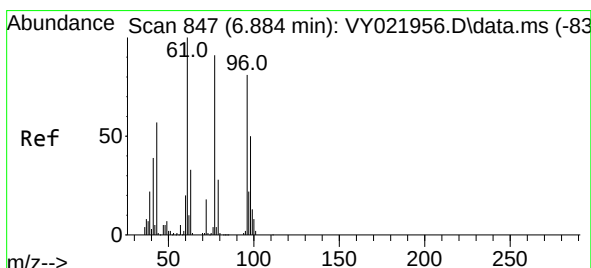
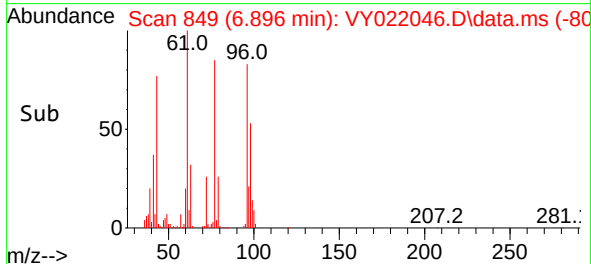
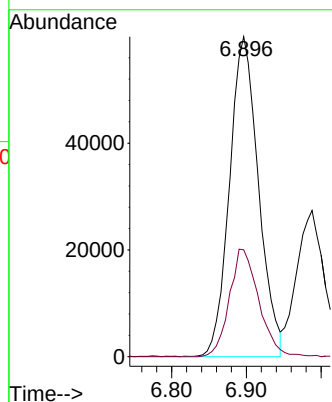
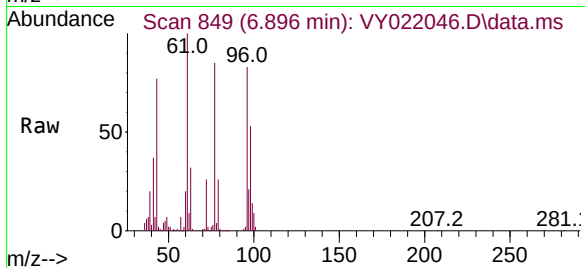
VSTDCCC050

Tgt Ion: 43 Resp: 161708

Ion Ratio Lower Upper

43 100

72 33.4 27.0 40.4



#26

2,2-Dichloropropane

Concen: 45.304 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY022046.D

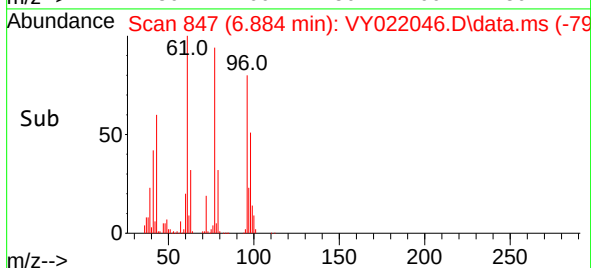
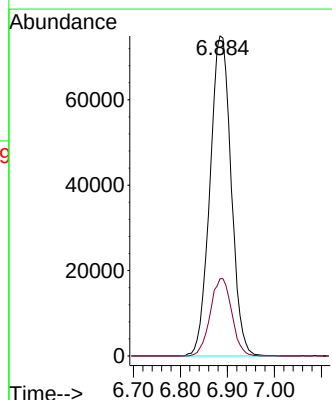
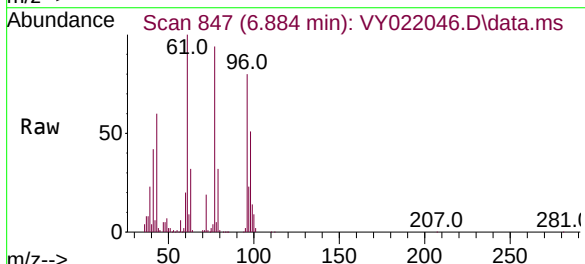
Acq: 29 Apr 2025 09:28

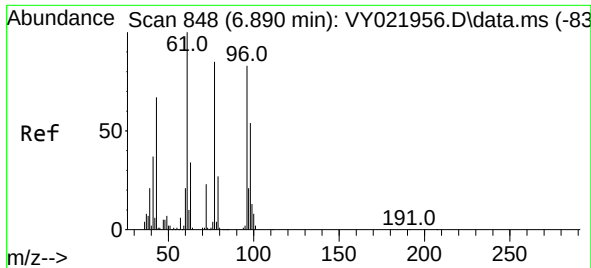
Tgt Ion: 77 Resp: 234207

Ion Ratio Lower Upper

77 100

97 24.5 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 44.805 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

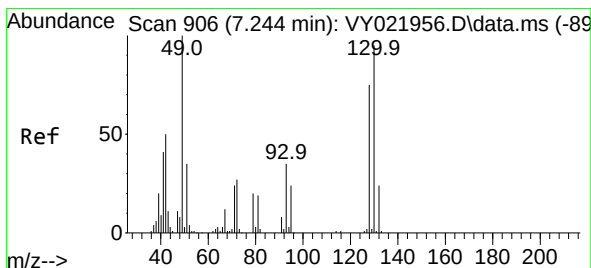
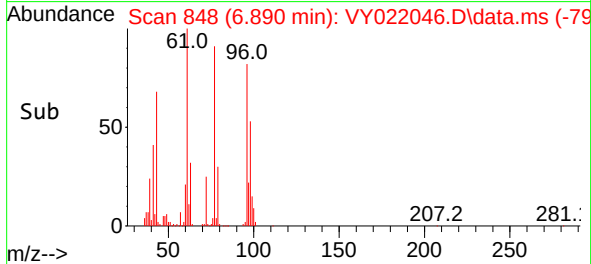
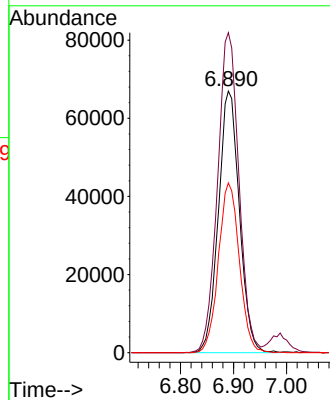
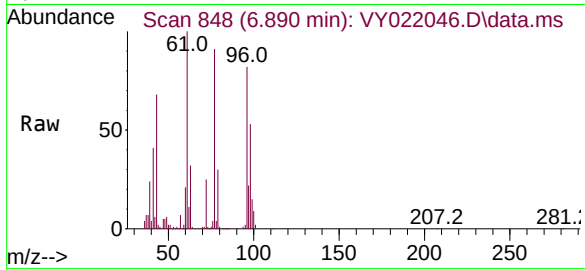
Tgt Ion: 96 Resp: 184250

Ion Ratio Lower Upper

96 100

61 124.5 0.0 251.4

98 64.5 0.0 128.4



#28

Bromochloromethane

Concen: 46.456 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

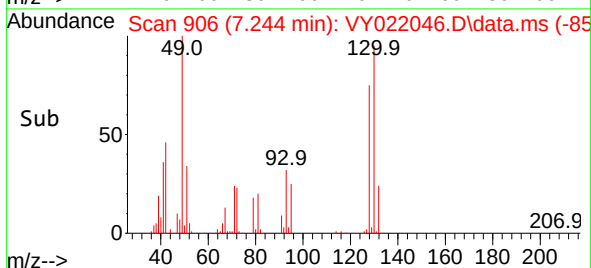
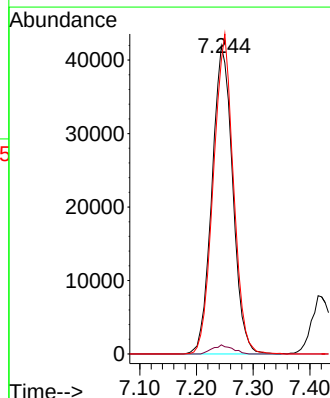
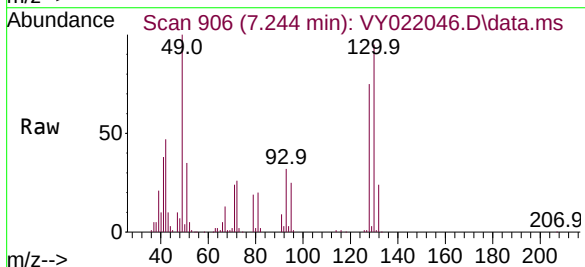
Tgt Ion: 49 Resp: 106431

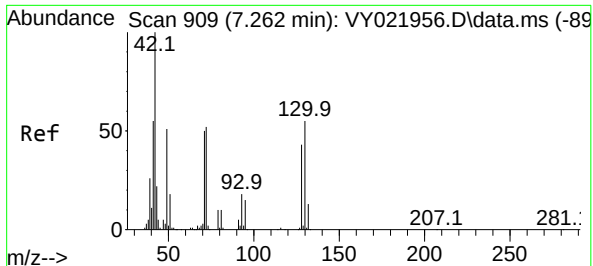
Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.0

130 100.4 78.2 117.4





#29

Tetrahydrofuran

Concen: 232.133 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

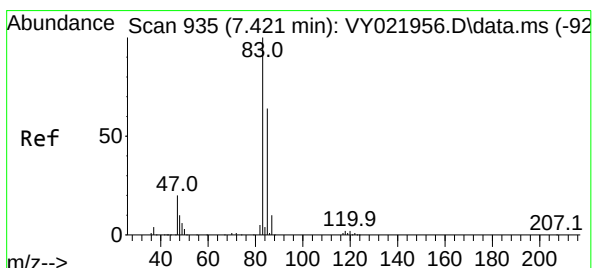
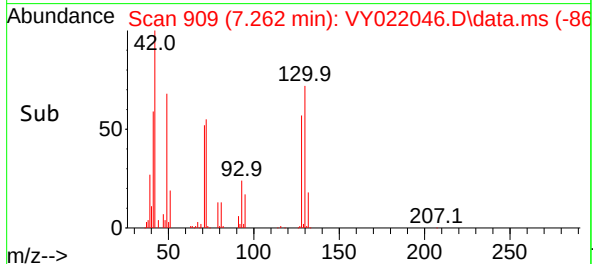
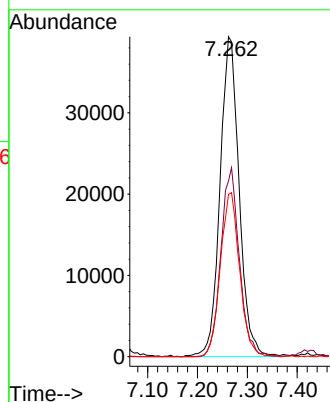
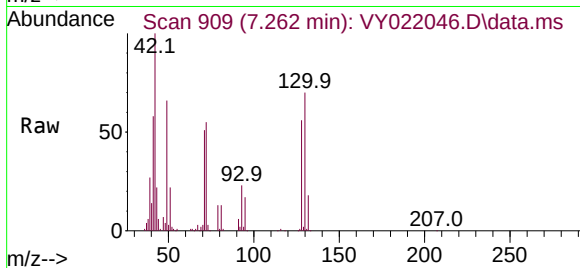
Tgt Ion: 42 Resp: 104861

Ion Ratio Lower Upper

42 100

72 57.0 42.6 63.8

71 51.8 40.6 61.0



#30

Chloroform

Concen: 44.298 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022046.D

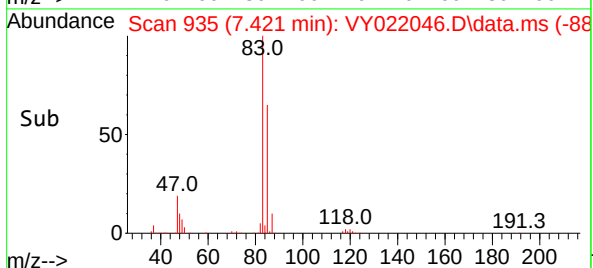
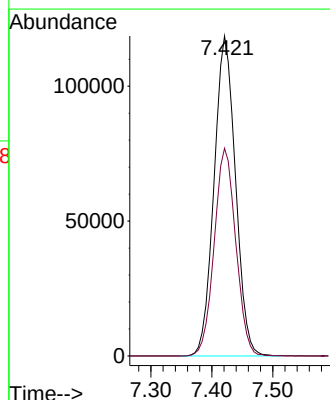
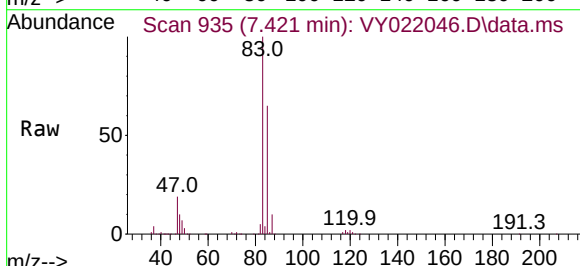
Acq: 29 Apr 2025 09:28

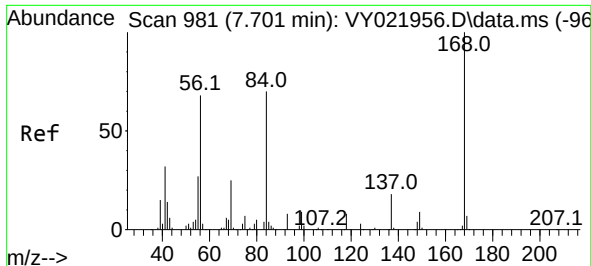
Tgt Ion: 83 Resp: 289823

Ion Ratio Lower Upper

83 100

85 64.9 51.3 76.9

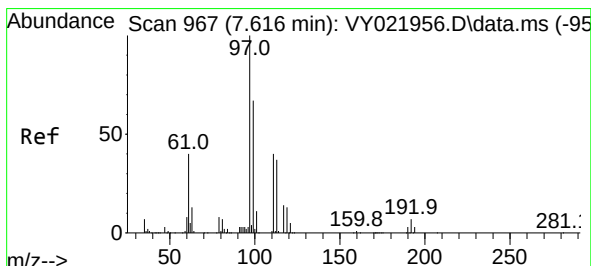
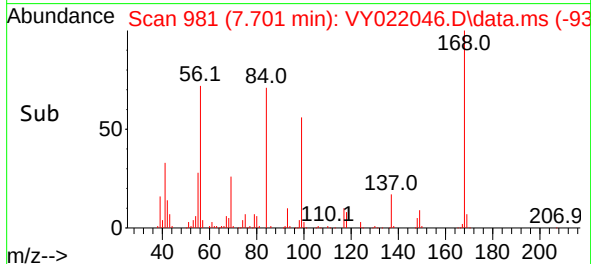
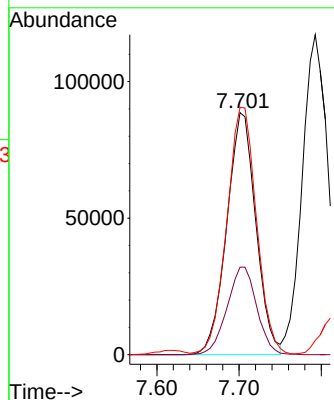
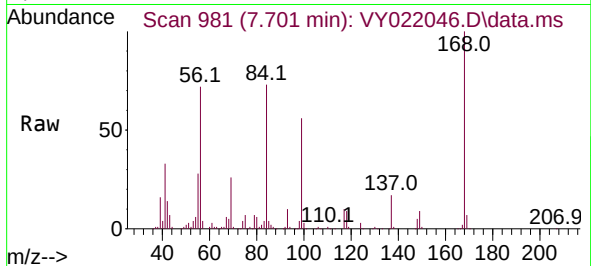




#31
Cyclohexane
Concen: 43.306 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

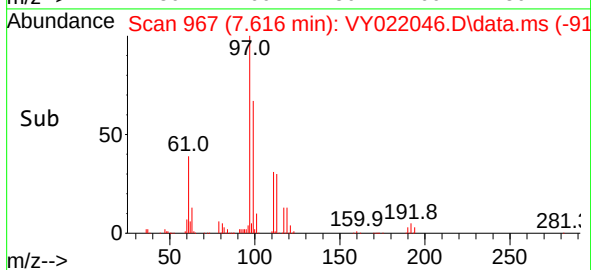
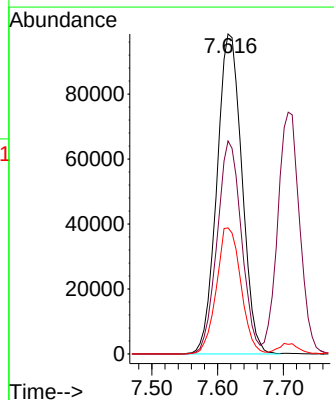
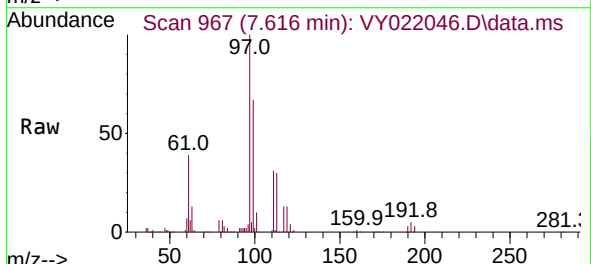
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

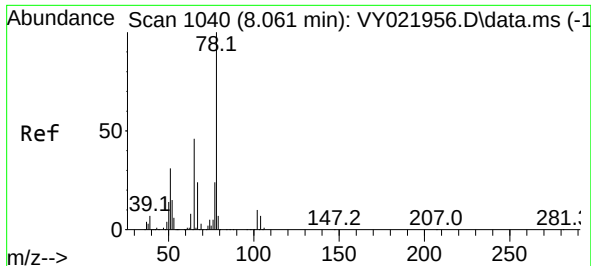
Tgt Ion: 56 Resp: 218435
Ion Ratio Lower Upper
56 100
69 36.2 29.4 44.2
84 100.6 82.2 123.4



#32
1,1,1-Trichloroethane
Concen: 44.057 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 97 Resp: 260780
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 38.6 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 43.532 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

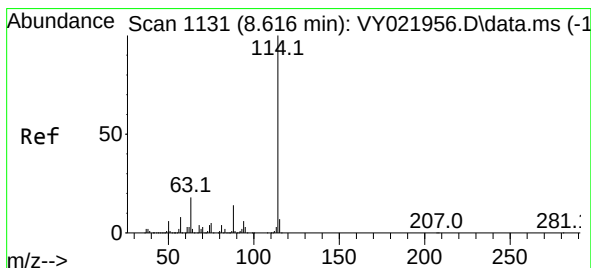
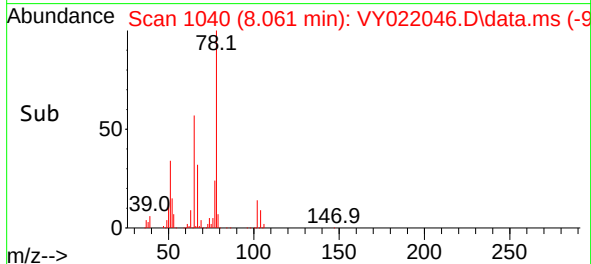
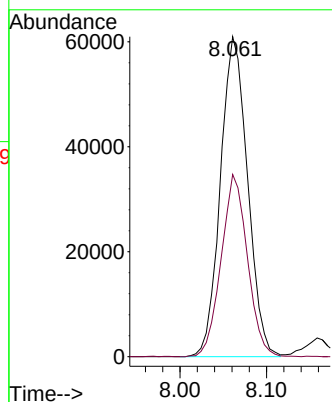
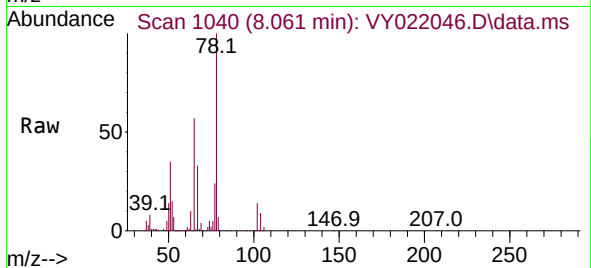
VSTDCCC050

Tgt Ion: 65 Resp: 132828

Ion Ratio Lower Upper

65 100

67 55.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

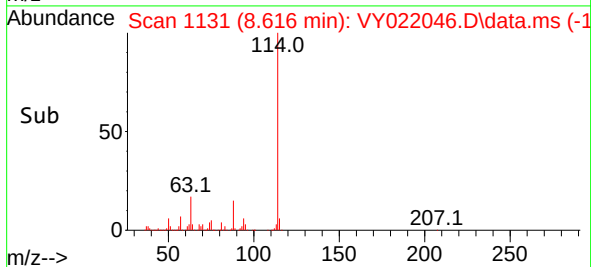
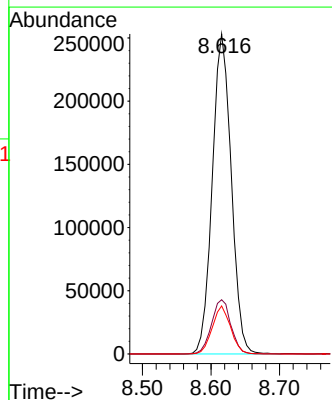
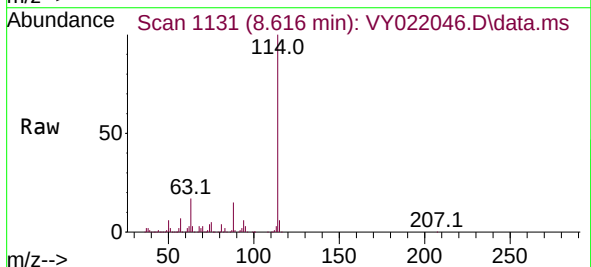
Tgt Ion: 114 Resp: 485397

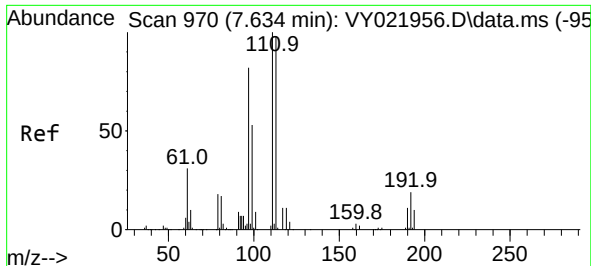
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 15.0 0.0 28.2

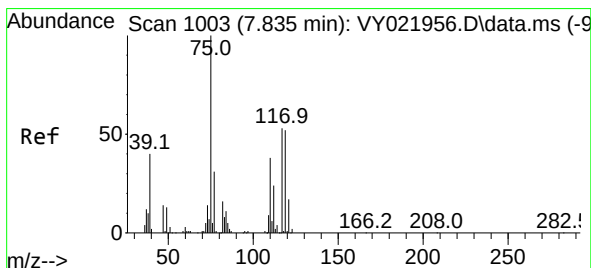
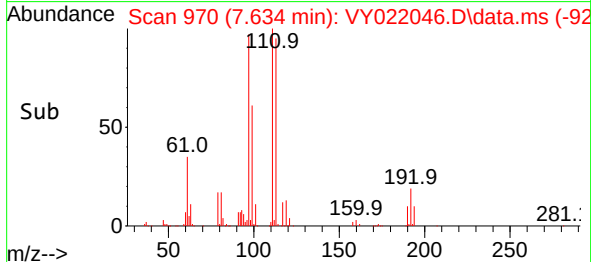
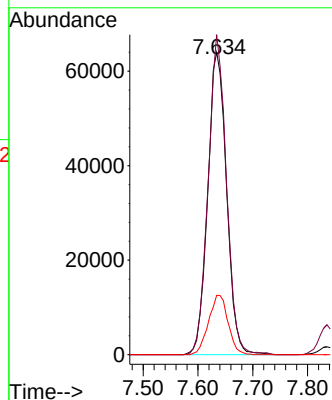
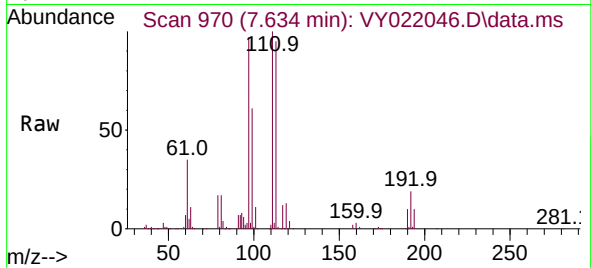




#35
Dibromofluoromethane
Concen: 47.486 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

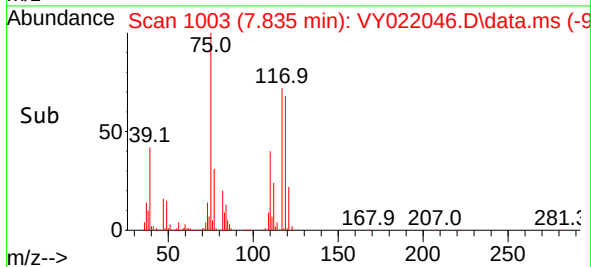
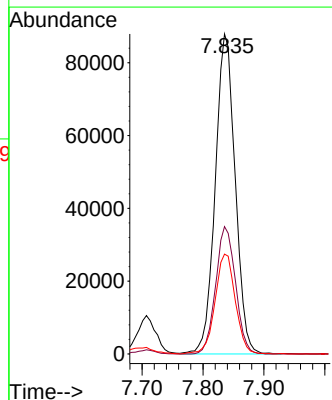
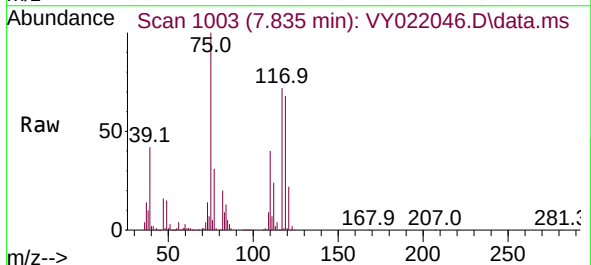
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

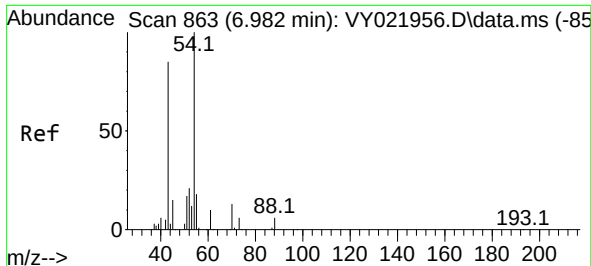
Tgt Ion:113 Resp: 152279
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 20.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 46.442 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 200053
Ion Ratio Lower Upper
75 100
110 39.5 19.1 57.3
77 31.7 25.5 38.3

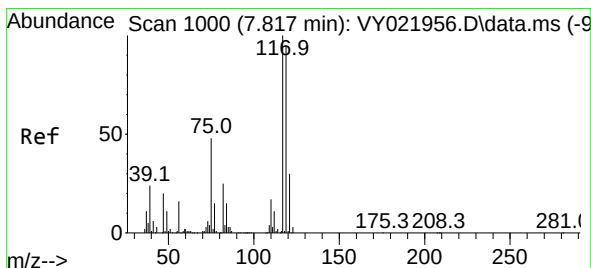
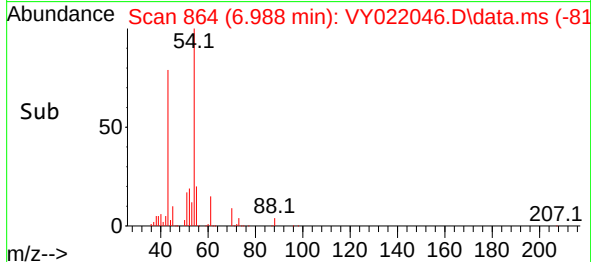
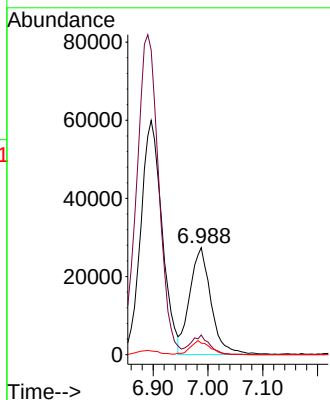
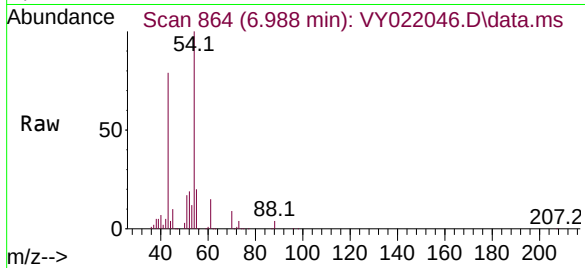




#37
Ethyl Acetate
Concen: 47.597 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

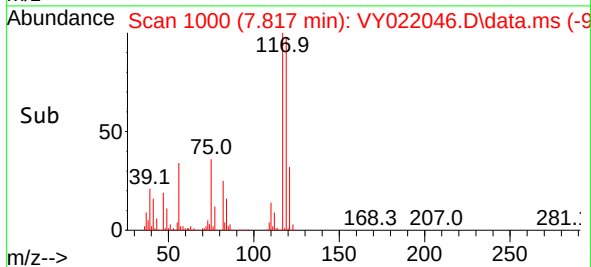
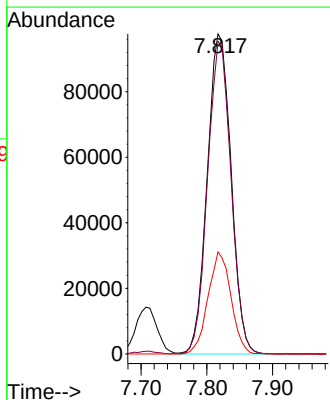
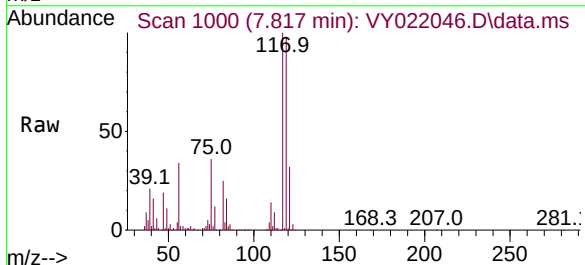
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

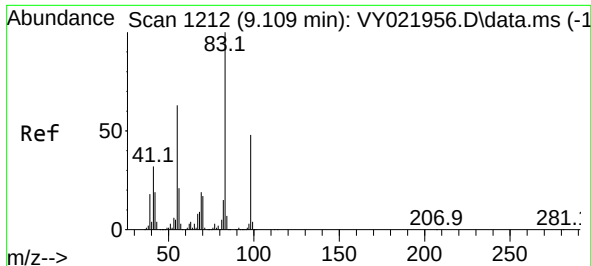
Tgt Ion: 43 Resp: 73636
Ion Ratio Lower Upper
43 100
61 16.5 13.8 20.6
70 12.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 48.012 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 117 Resp: 247130
Ion Ratio Lower Upper
117 100
119 97.7 76.2 114.4
121 31.9 24.0 36.0





#39

Methylcyclohexane

Concen: 47.325 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

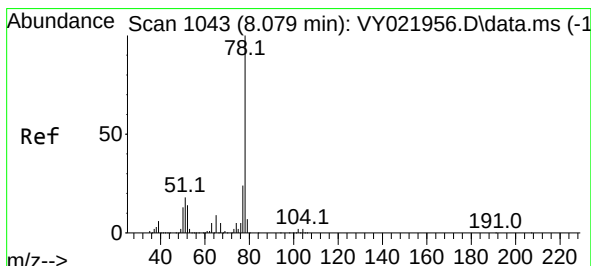
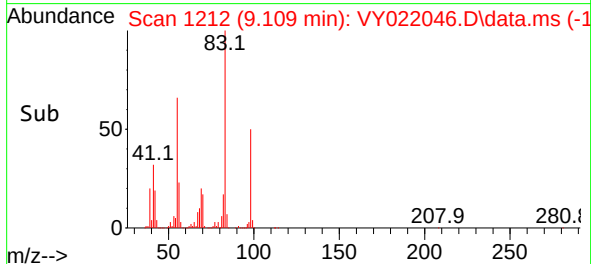
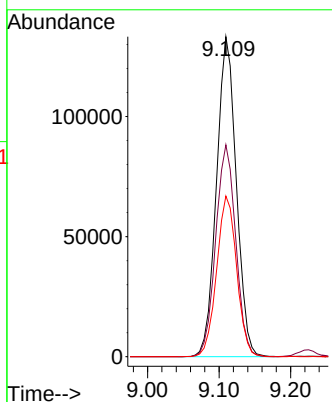
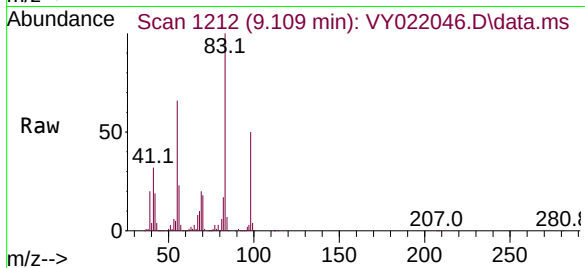
Tgt Ion: 83 Resp: 256540

Ion Ratio Lower Upper

83 100

55 66.2 50.6 75.8

98 50.2 38.6 58.0



#40

Benzene

Concen: 46.906 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022046.D

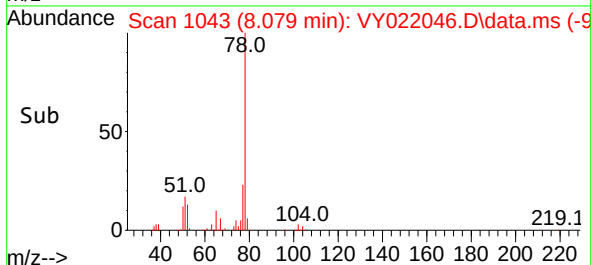
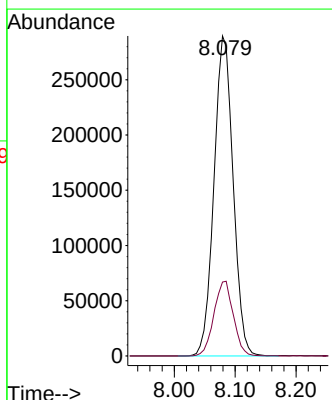
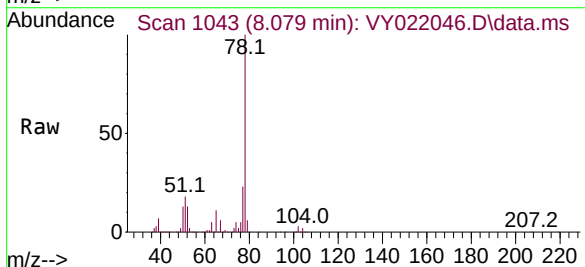
Acq: 29 Apr 2025 09:28

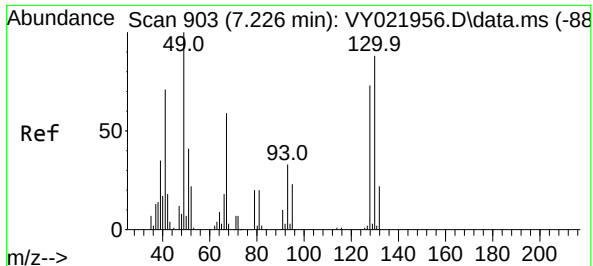
Tgt Ion: 78 Resp: 631609

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9

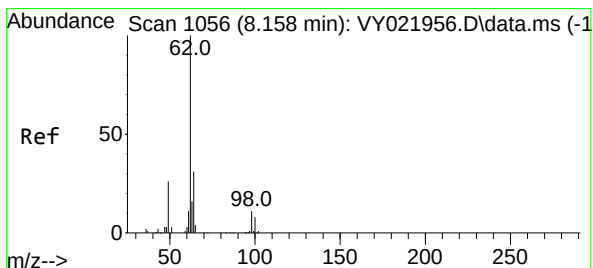
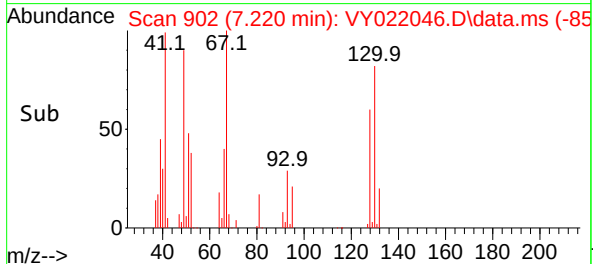
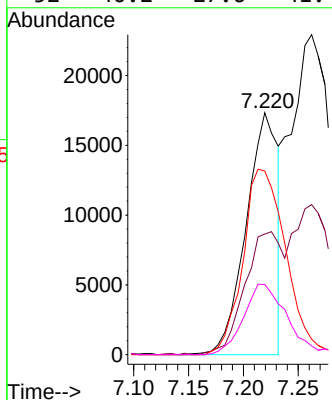
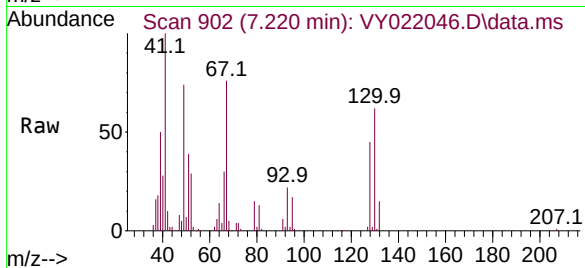




#41
Methacrylonitrile
Concen: 41.395 ug/l
RT: 7.220 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

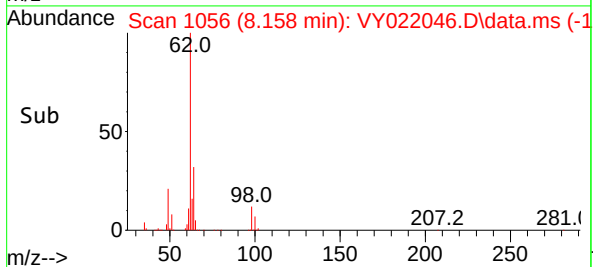
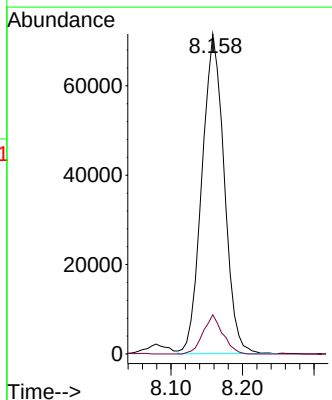
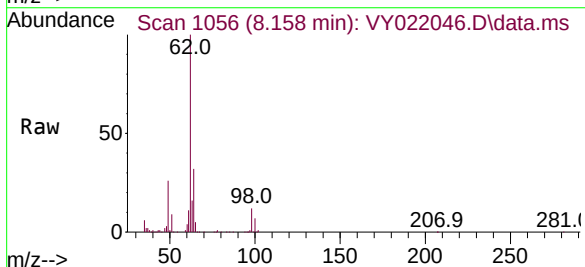
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

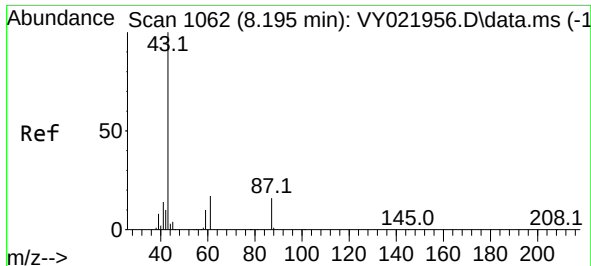
Tgt Ion: 41 Resp: 35008
Ion Ratio Lower Upper
41 100
39 61.4 36.6 55.0#
67 103.9 72.2 108.4
52 40.2 27.6 41.4



#42
1,2-Dichloroethane
Concen: 46.477 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 62 Resp: 154947
Ion Ratio Lower Upper
62 100
98 10.8 0.0 22.0

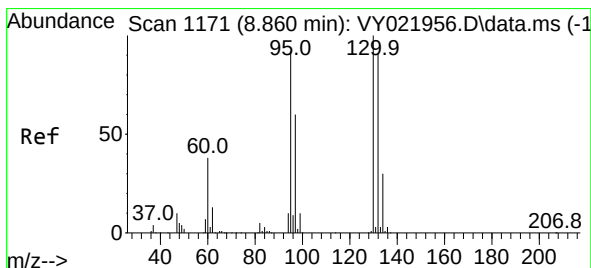
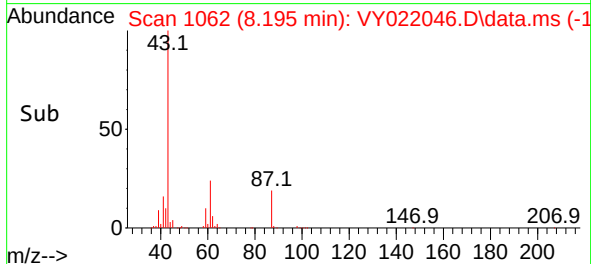
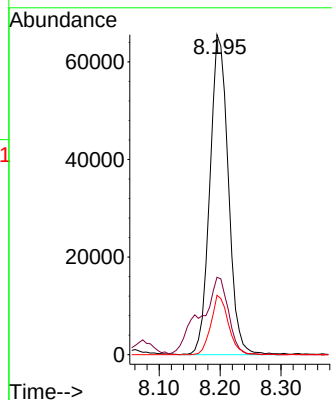
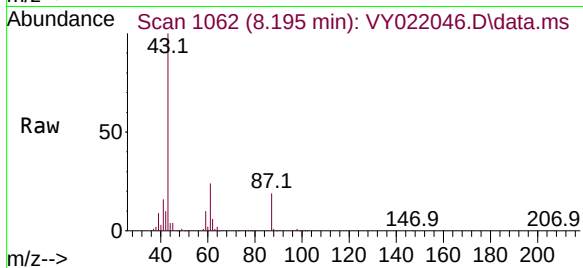




#43
Isopropyl Acetate
Concen: 46.389 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

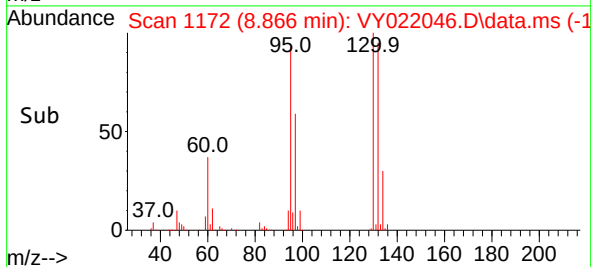
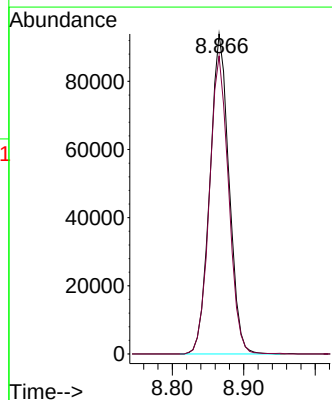
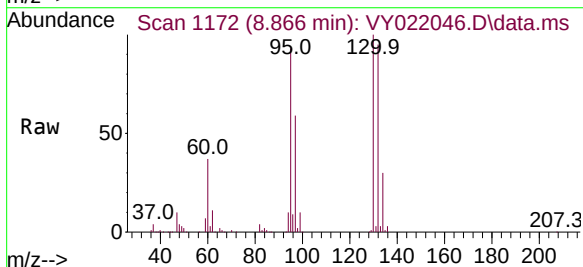
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

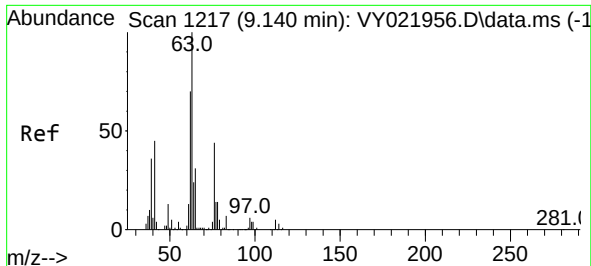
Tgt Ion: 43 Resp: 137822
Ion Ratio Lower Upper
43 100
61 36.2 18.9 28.3#
87 17.6 13.7 20.5



#44
Trichloroethene
Concen: 46.887 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:130 Resp: 174874
Ion Ratio Lower Upper
130 100
95 93.1 0.0 183.2





#45

1,2-Dichloropropane

Concen: 46.764 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

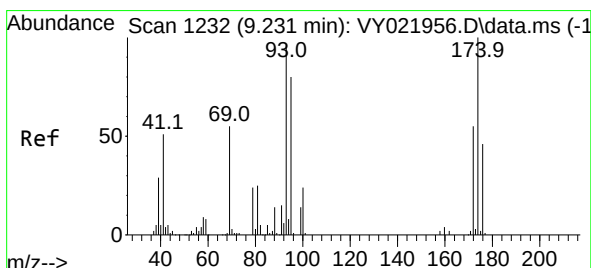
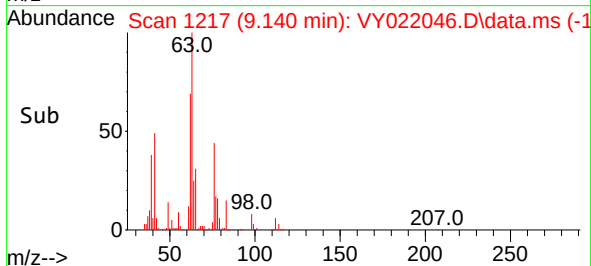
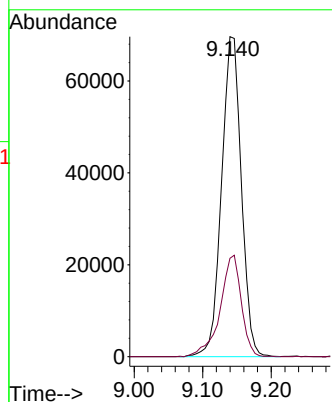
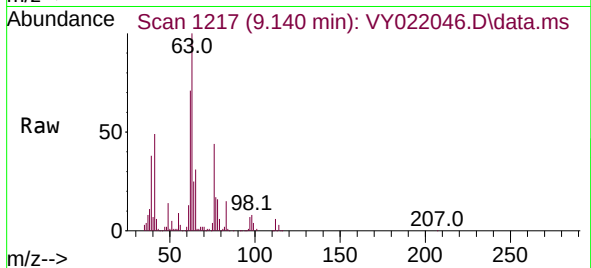
VSTDCCC050

Tgt Ion: 63 Resp: 139252

Ion Ratio Lower Upper

63 100

65 30.8 25.2 37.8



#46

Dibromomethane

Concen: 47.082 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

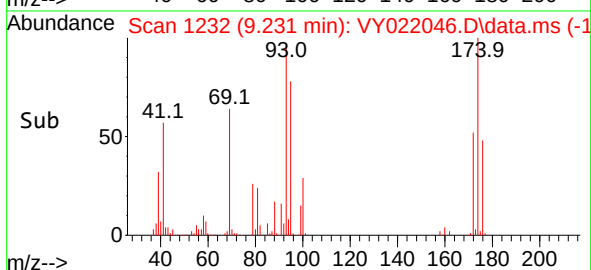
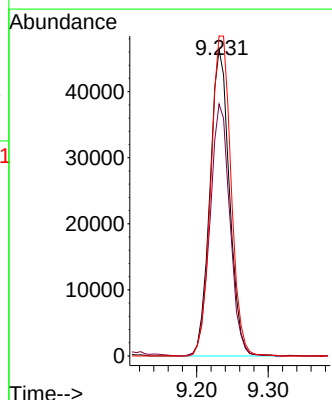
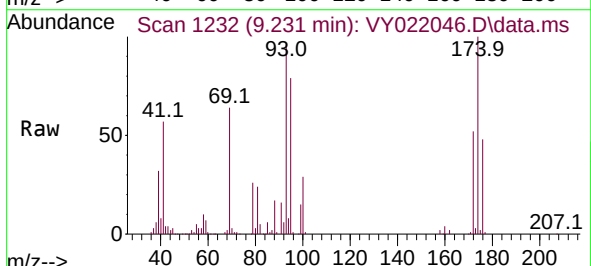
Tgt Ion: 93 Resp: 87764

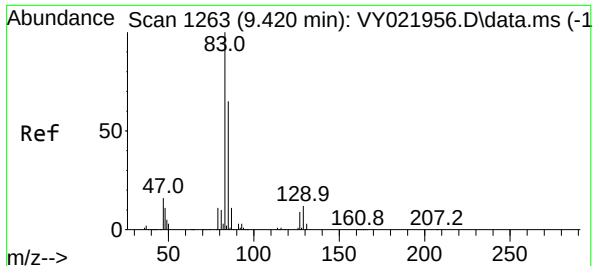
Ion Ratio Lower Upper

93 100

95 83.5 66.7 100.1

174 108.2 84.6 127.0





#47

Bromodichloromethane

Concen: 47.592 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

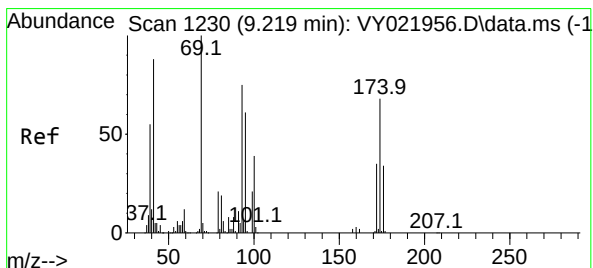
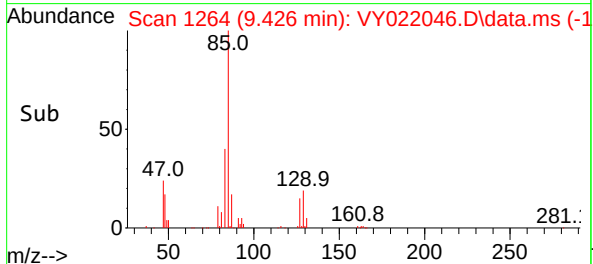
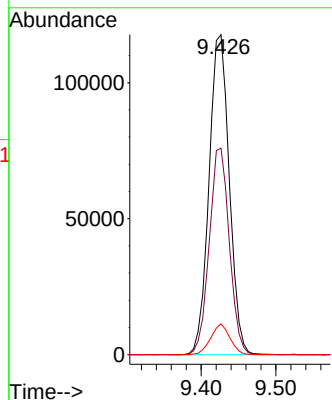
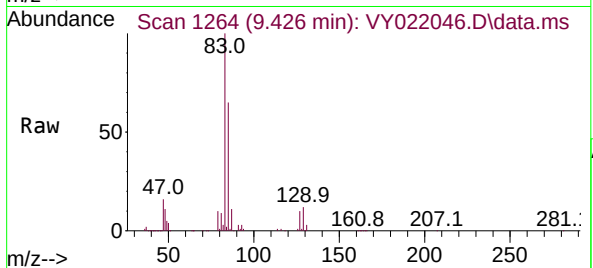
Tgt Ion: 83 Resp: 221624

Ion Ratio Lower Upper

83 100

85 64.5 51.8 77.8

127 9.7 7.0 10.6



#48

Methyl methacrylate

Concen: 49.274 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

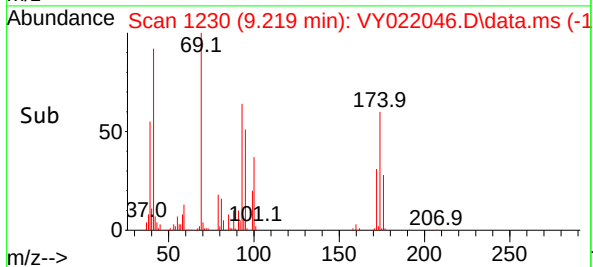
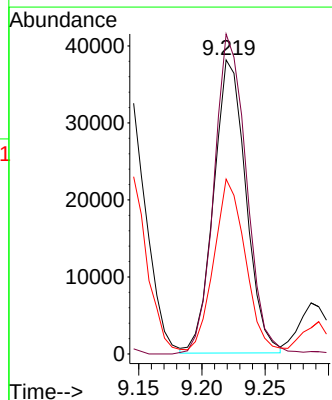
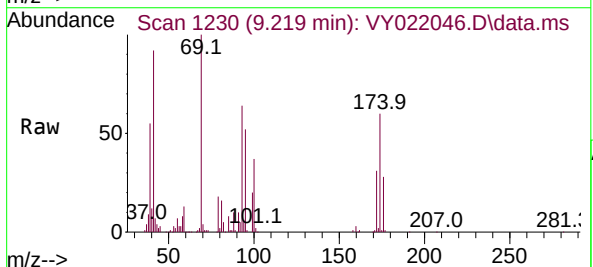
Tgt Ion: 41 Resp: 67675

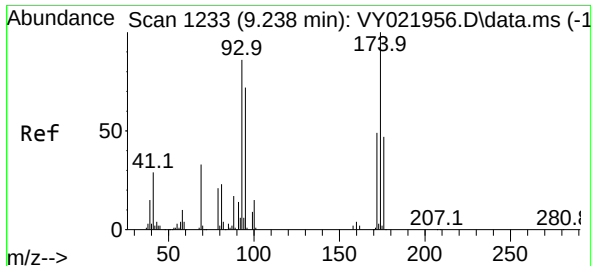
Ion Ratio Lower Upper

41 100

69 109.2 85.5 128.3

39 56.2 46.2 69.4





#49

1,4-Dioxane

Concen: 997.336 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

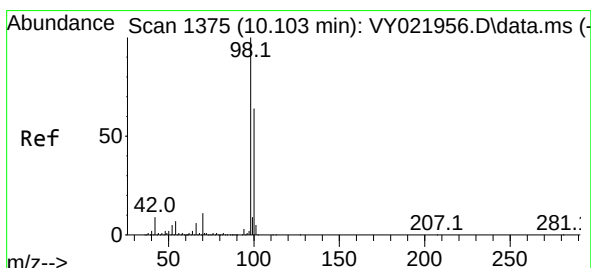
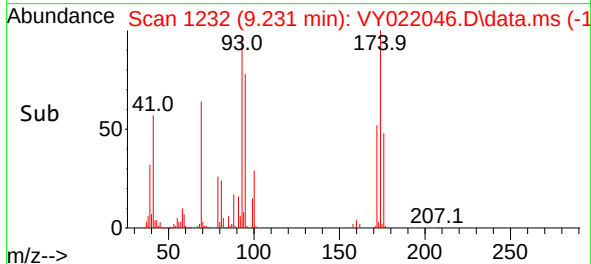
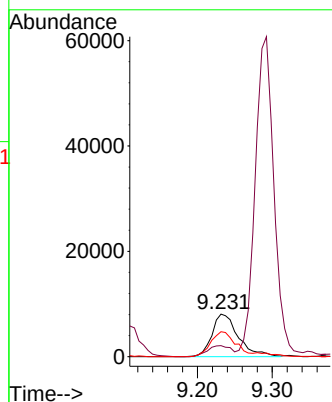
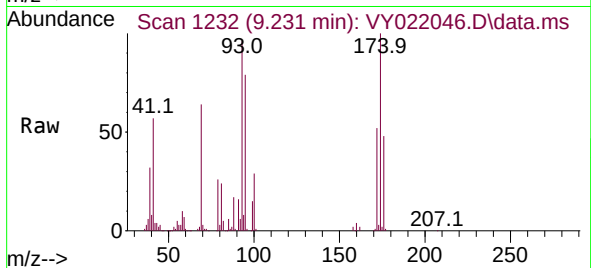
Tgt Ion: 88 Resp: 19815

Ion Ratio Lower Upper

88 100

43 23.2 21.3 31.9

58 55.8 50.5 75.7



#50

Toluene-d8

Concen: 48.273 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022046.D

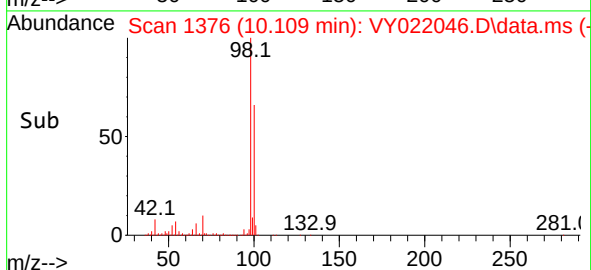
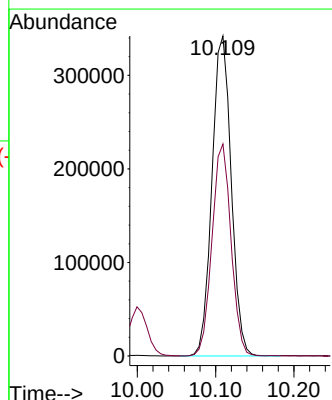
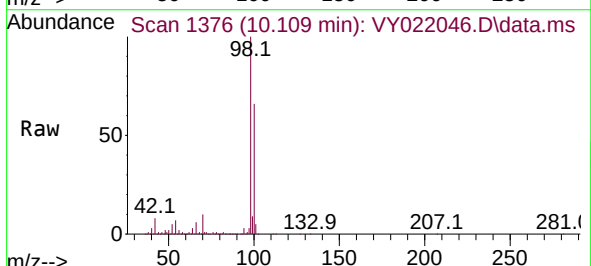
Acq: 29 Apr 2025 09:28

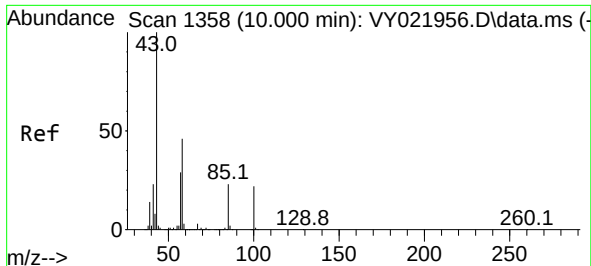
Tgt Ion: 98 Resp: 583606

Ion Ratio Lower Upper

98 100

100 65.5 51.6 77.4

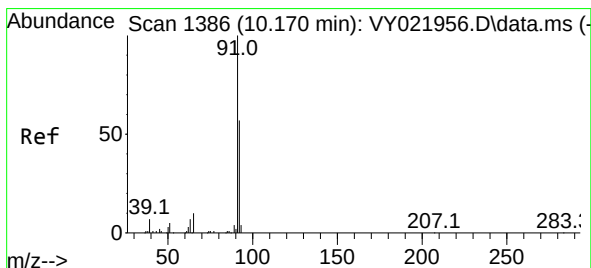
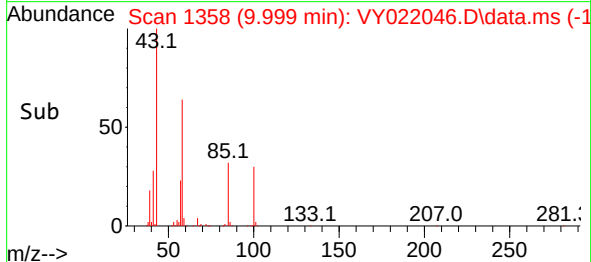
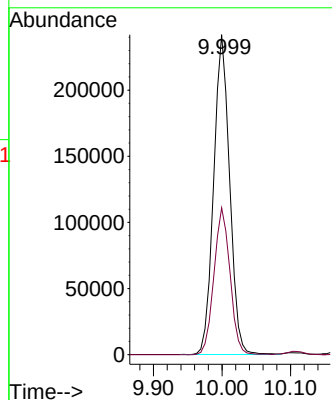
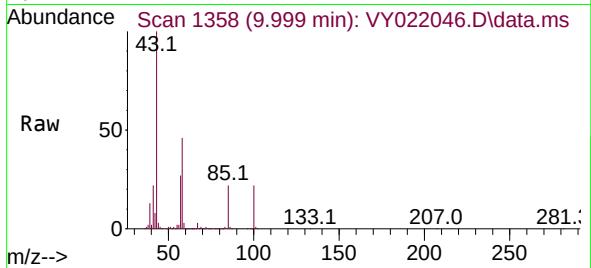




#51
4-Methyl-2-Pentanone
Concen: 250.912 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

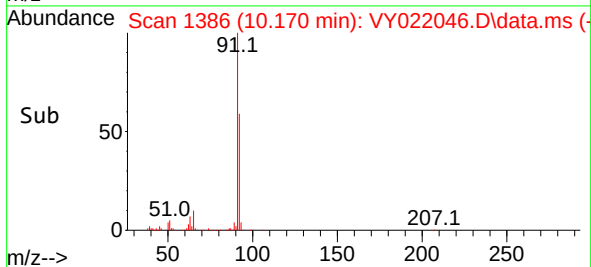
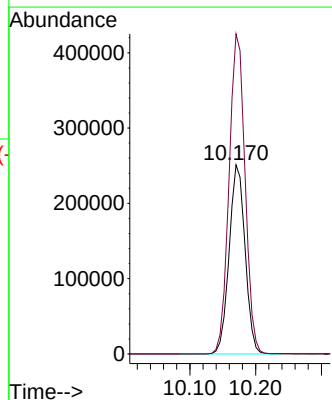
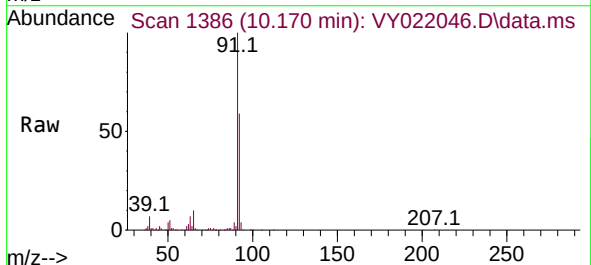
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

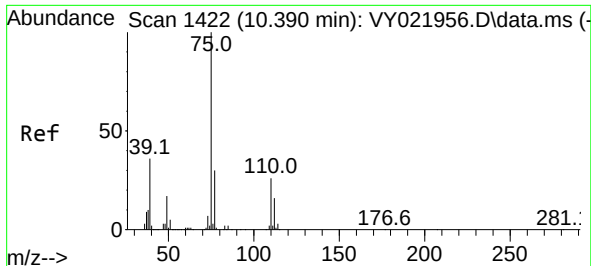
Tgt Ion: 43 Resp: 390782
Ion Ratio Lower Upper
43 100
58 46.1 36.6 55.0



#52
Toluene
Concen: 48.468 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 92 Resp: 422459
Ion Ratio Lower Upper
92 100
91 170.6 138.6 207.8

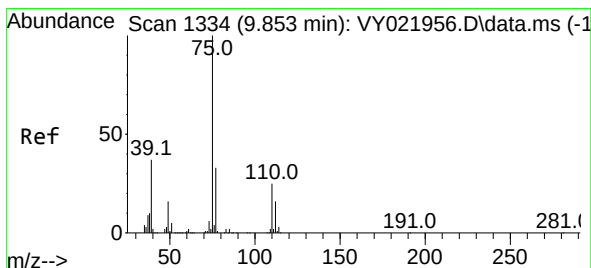
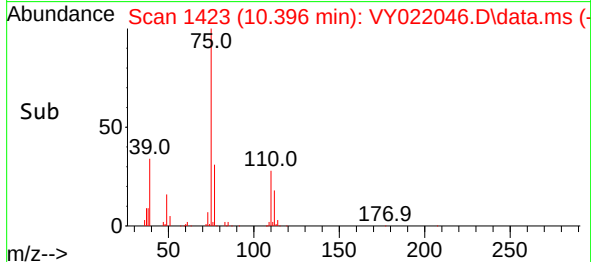
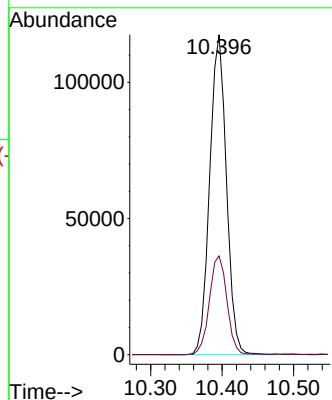
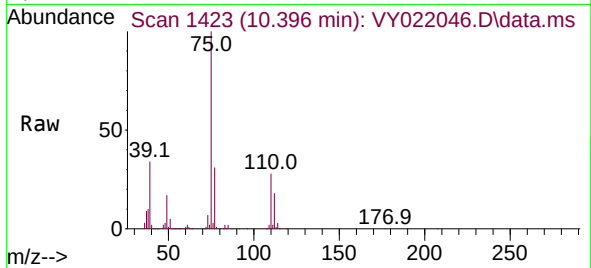




#53
 t-1,3-Dichloropropene
 Concen: 47.779 ug/l
 RT: 10.396 min Scan# 1422
 Delta R.T. 0.006 min
 Lab File: VY022046.D
 Acq: 29 Apr 2025 09:28

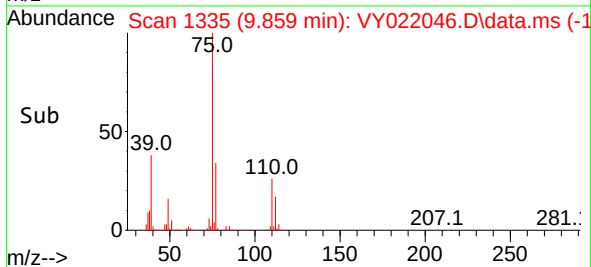
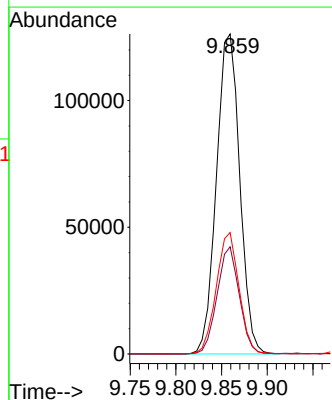
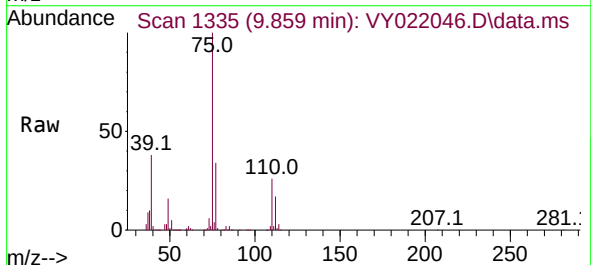
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

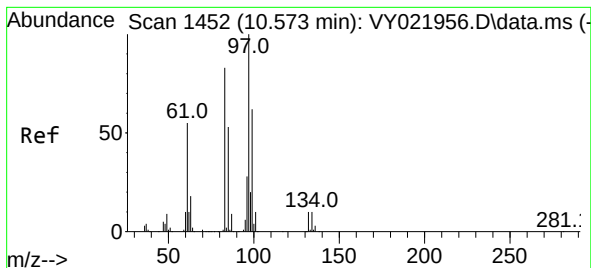
Tgt Ion: 75 Resp: 190842
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.0 36.0



#54
 cis-1,3-Dichloropropene
 Concen: 47.184 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.006 min
 Lab File: VY022046.D
 Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 224035
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.6 40.0
 39 37.9 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 48.179 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 119964

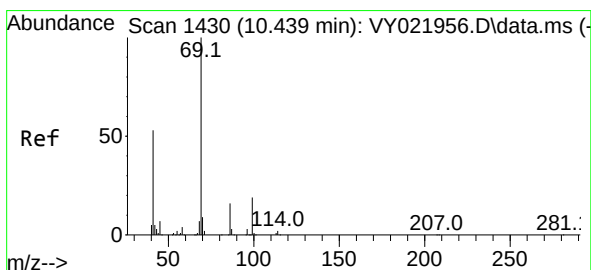
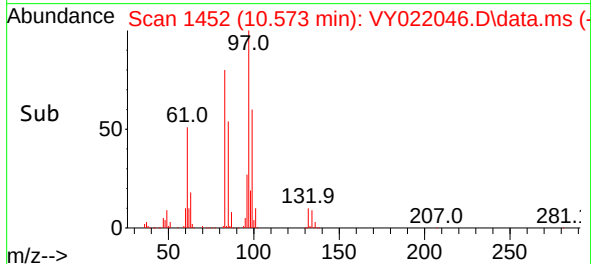
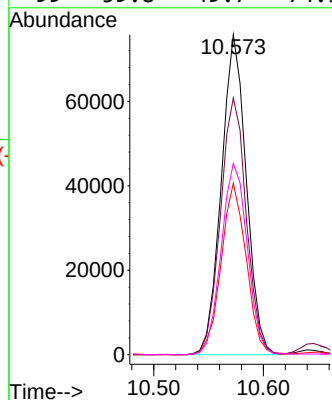
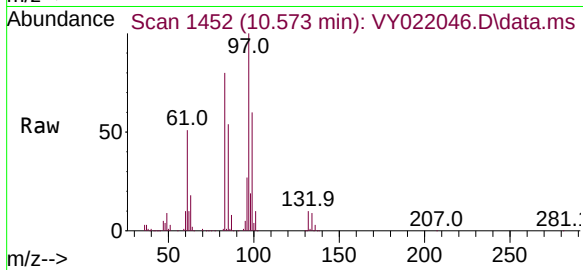
Ion Ratio Lower Upper

97 100

83 80.2 66.7 100.1

85 53.6 42.6 64.0

99 59.8 49.7 74.5



#56

Ethyl methacrylate

Concen: 49.904 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

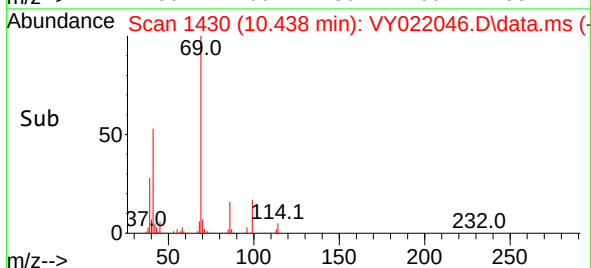
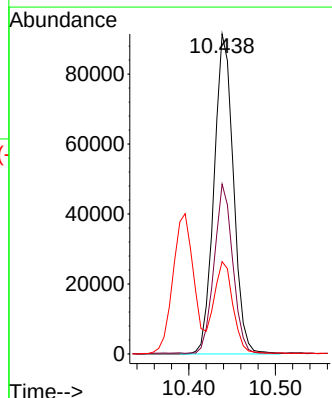
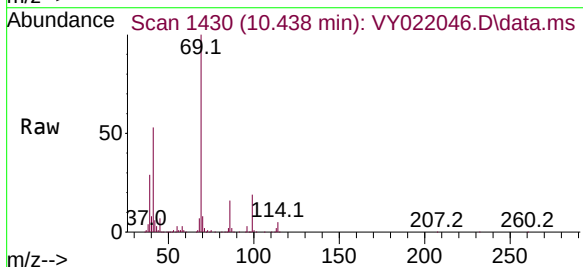
Tgt Ion: 69 Resp: 142098

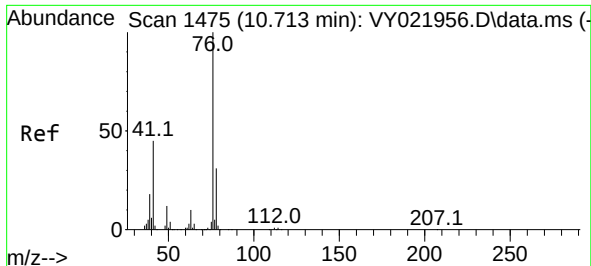
Ion Ratio Lower Upper

69 100

41 50.9 40.7 61.1

39 27.5 23.3 34.9





#57

1,3-Dichloropropane

Concen: 48.021 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

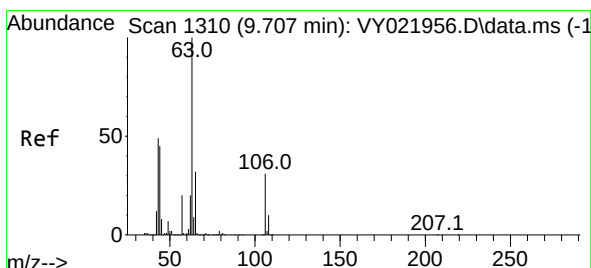
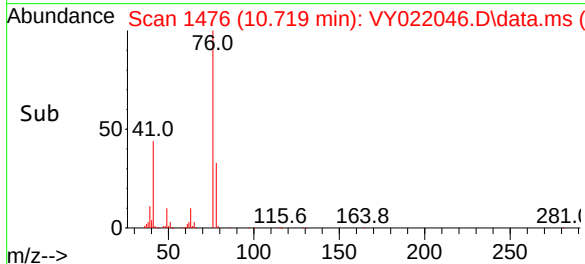
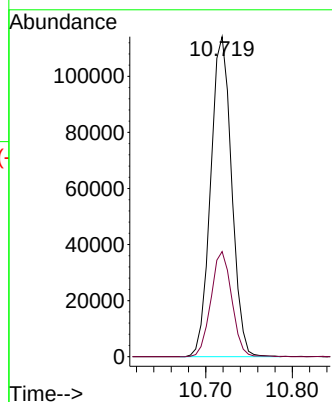
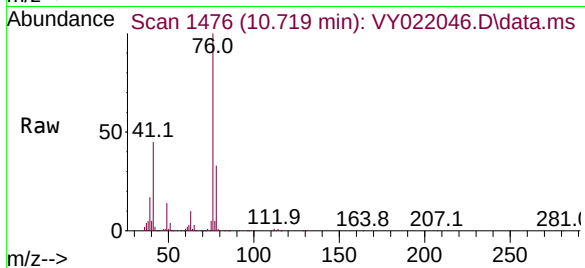
VSTDCCC050

Tgt Ion: 76 Resp: 191688

Ion Ratio Lower Upper

76 100

78 32.7 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 264.171 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY022046.D

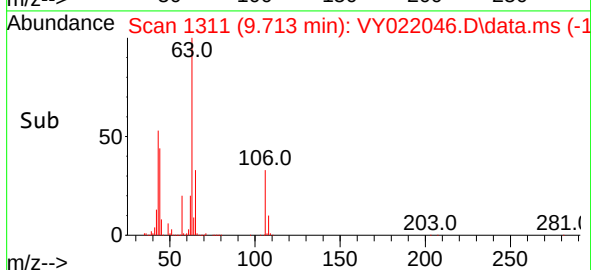
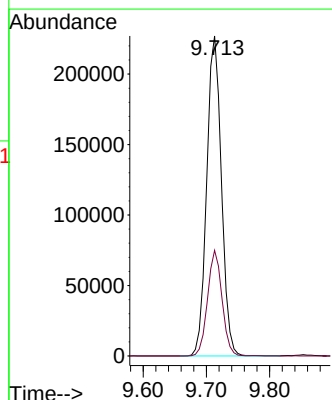
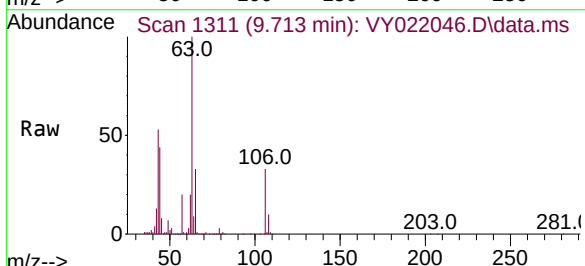
Acq: 29 Apr 2025 09:28

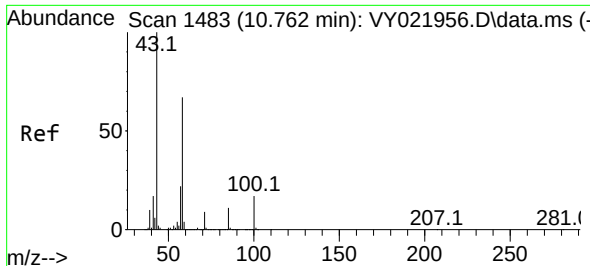
Tgt Ion: 63 Resp: 367778

Ion Ratio Lower Upper

63 100

106 32.4 25.3 37.9

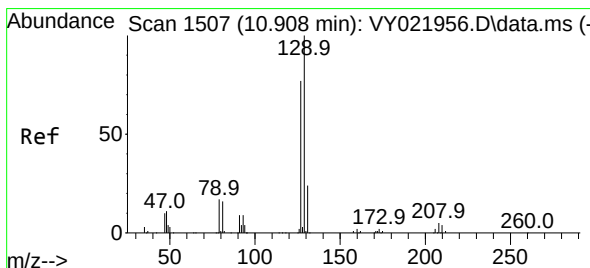
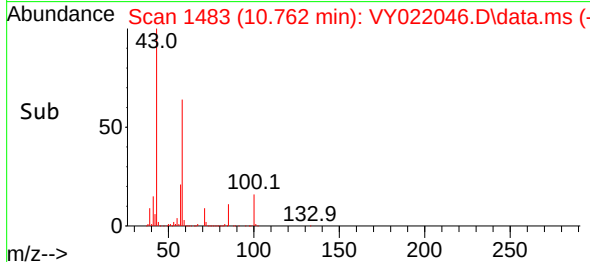
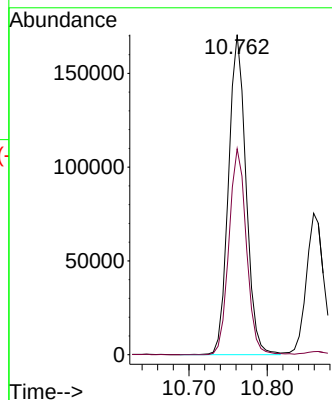
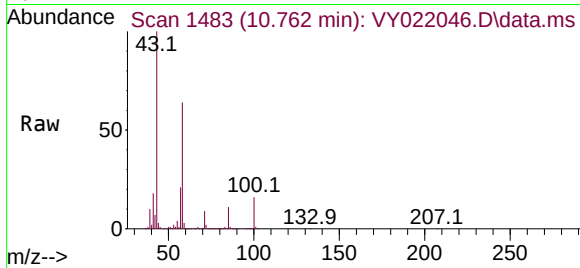




#59
2-Hexanone
Concen: 257.500 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

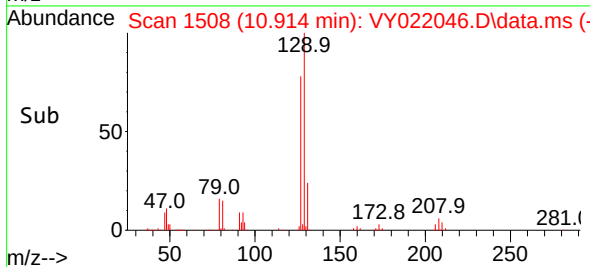
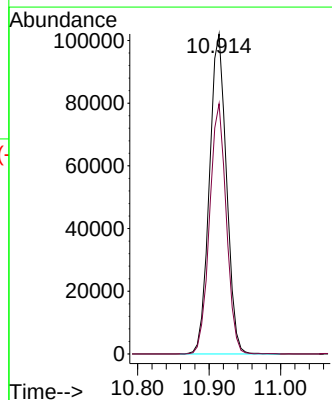
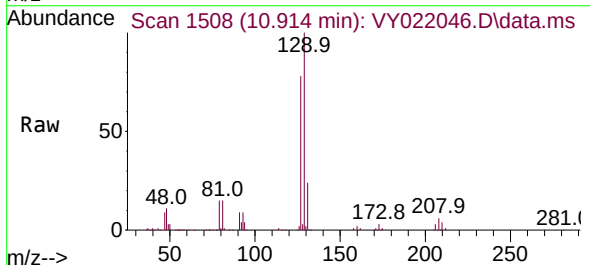
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

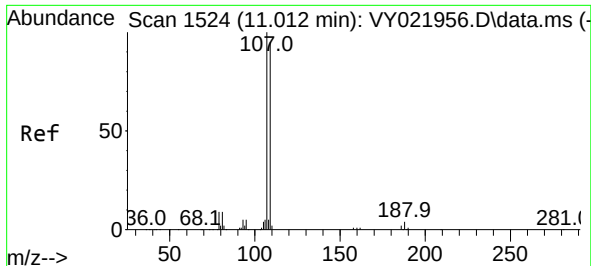
Tgt Ion: 43 Resp: 264521
Ion Ratio Lower Upper
43 100
58 64.3 32.0 96.0



#60
Dibromochloromethane
Concen: 49.071 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:129 Resp: 169164
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3

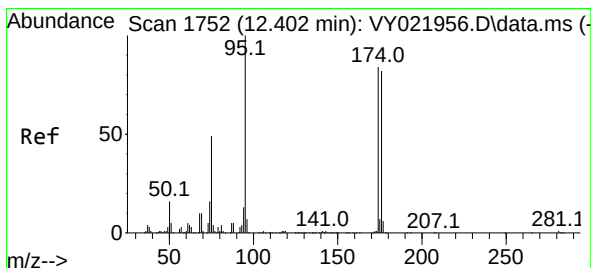
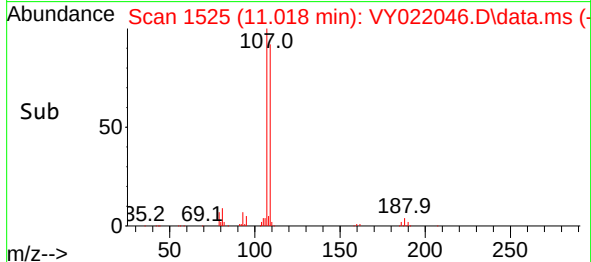
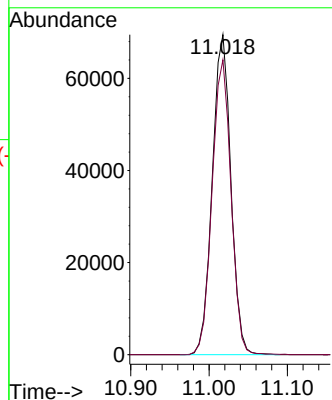
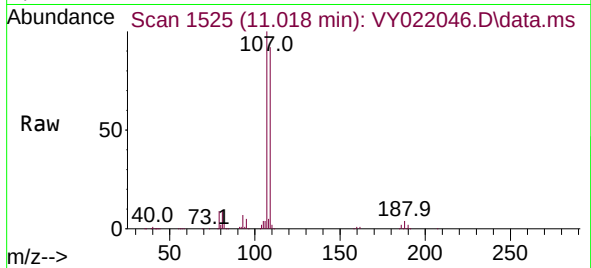




#61
1,2-Dibromoethane
Concen: 48.774 ug/l
RT: 11.018 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

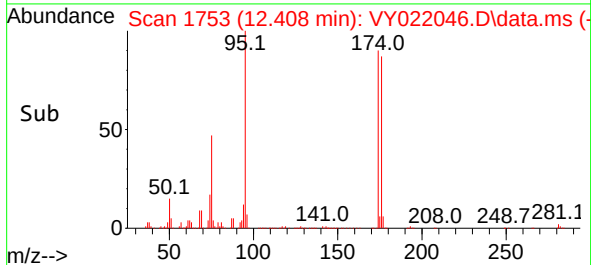
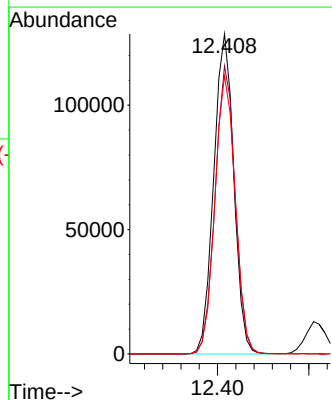
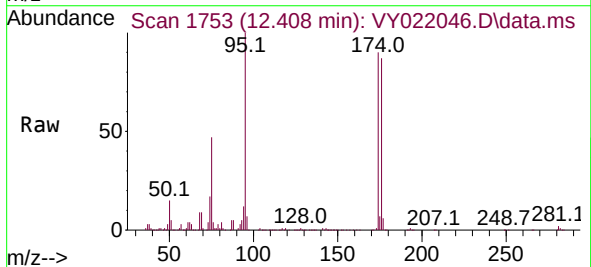
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

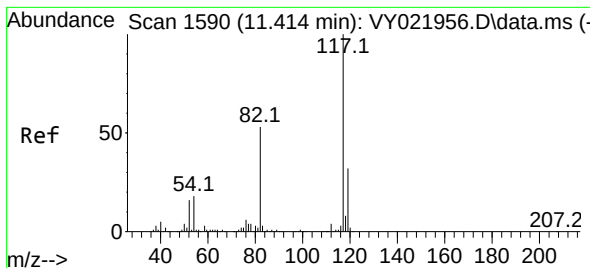
Tgt Ion:107 Resp: 114653
Ion Ratio Lower Upper
107 100
109 93.7 75.8 113.8



#62
4-Bromofluorobenzene
Concen: 48.133 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 95 Resp: 195893
Ion Ratio Lower Upper
95 100
174 90.1 0.0 179.0
176 88.5 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

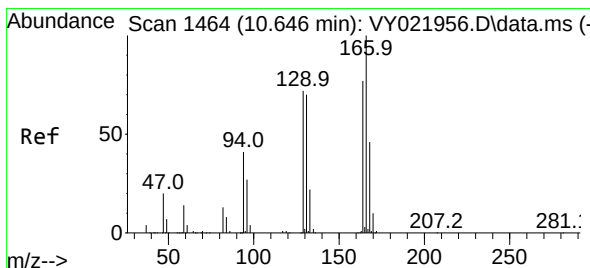
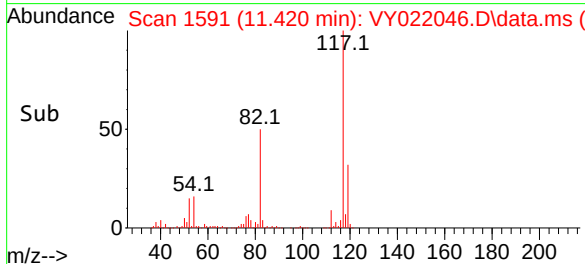
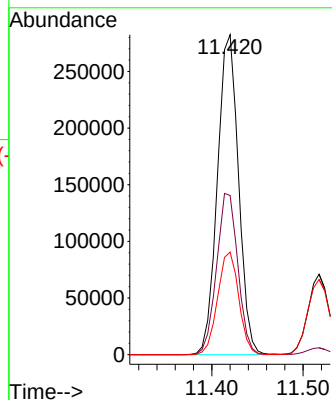
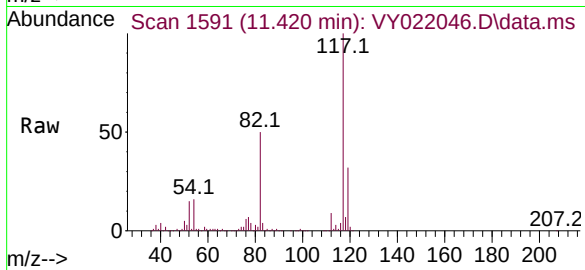
Tgt Ion:117 Resp: 453549

Ion Ratio Lower Upper

117 100

82 49.8 42.1 63.1

119 32.1 25.7 38.5



#64

Tetrachloroethene

Concen: 47.647 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:164 Resp: 203863

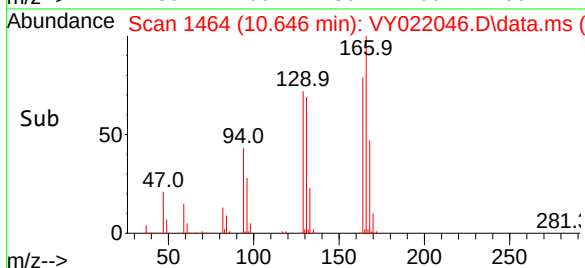
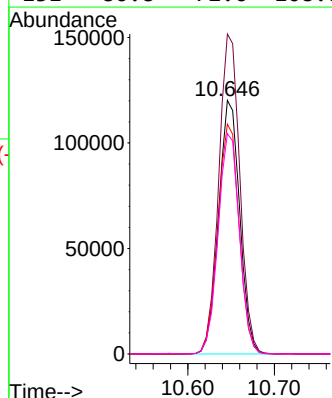
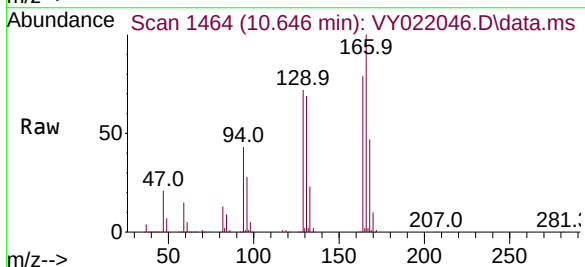
Ion Ratio Lower Upper

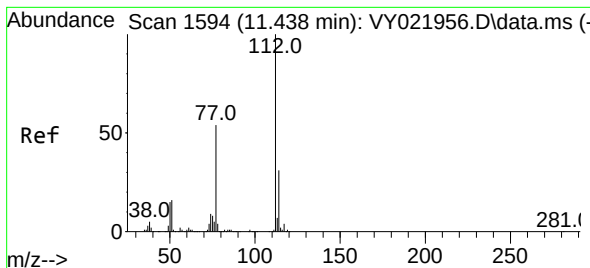
164 100

166 126.2 103.6 155.4

129 90.6 74.2 111.4

131 86.8 72.6 108.8





#65

Chlorobenzene

Concen: 46.234 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

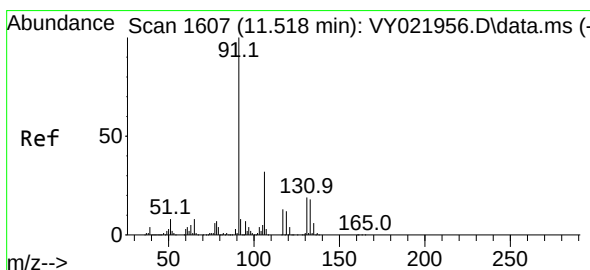
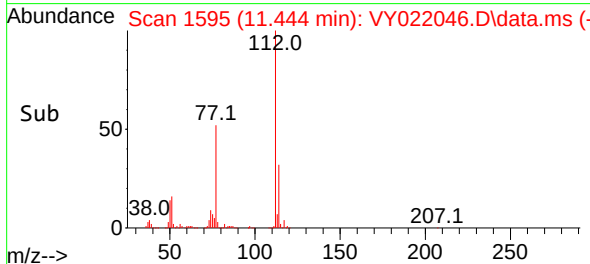
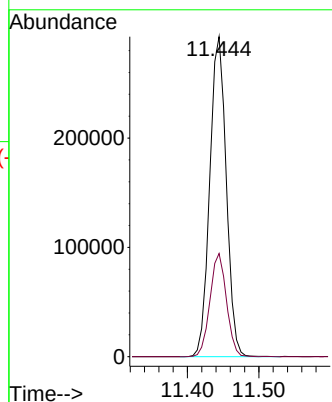
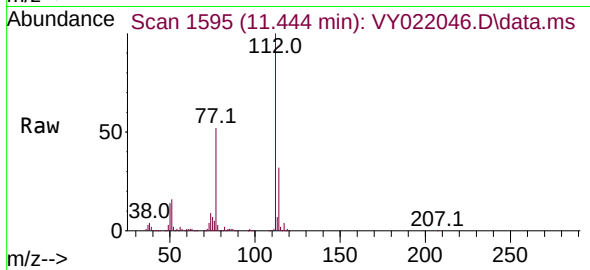
VSTDCCC050

Tgt Ion:112 Resp: 468931

Ion Ratio Lower Upper

112 100

114 32.3 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 46.647 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

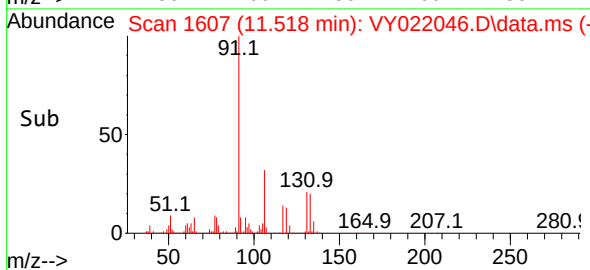
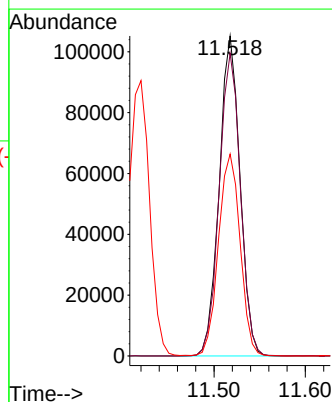
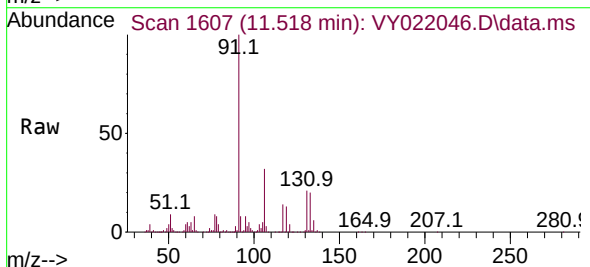
Tgt Ion:131 Resp: 166562

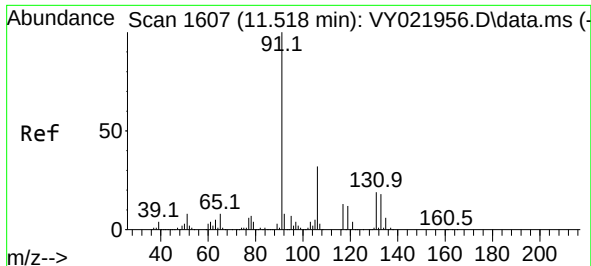
Ion Ratio Lower Upper

131 100

133 96.4 47.8 143.3

119 65.7 32.4 97.0





#67

Ethyl Benzene

Concen: 47.678 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

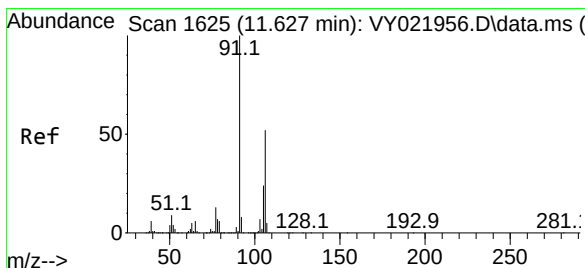
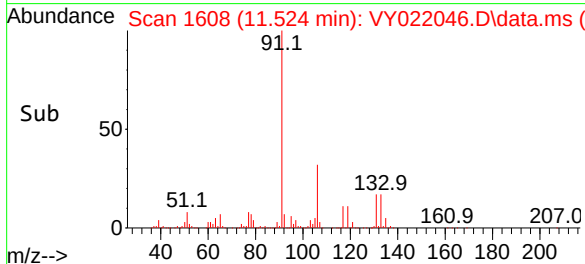
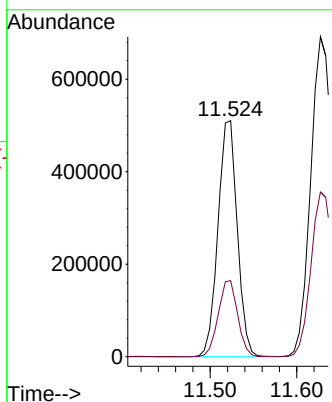
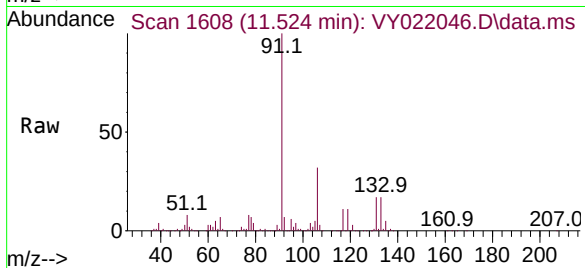
VSTDCCC050

Tgt Ion: 91 Resp: 791052

Ion Ratio Lower Upper

91 100

106 32.2 25.9 38.9



#68

m/p-Xylenes

Concen: 97.760 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY022046.D

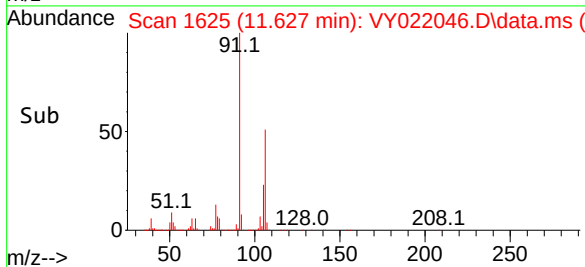
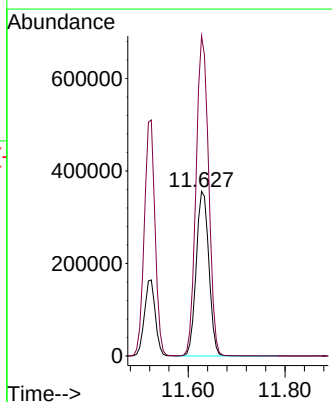
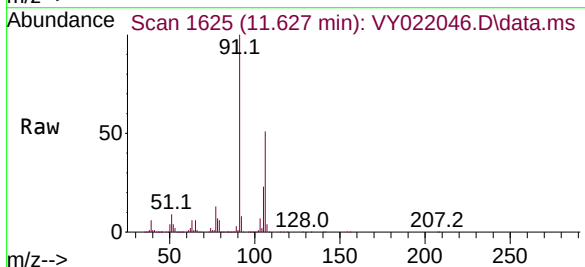
Acq: 29 Apr 2025 09:28

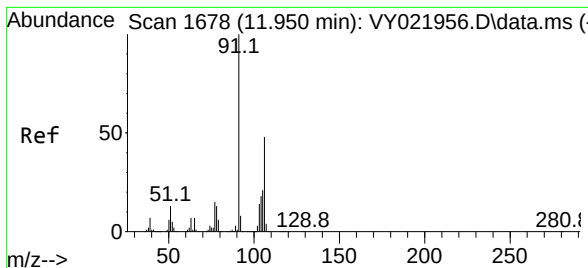
Tgt Ion: 106 Resp: 645425

Ion Ratio Lower Upper

106 100

91 193.2 156.2 234.2

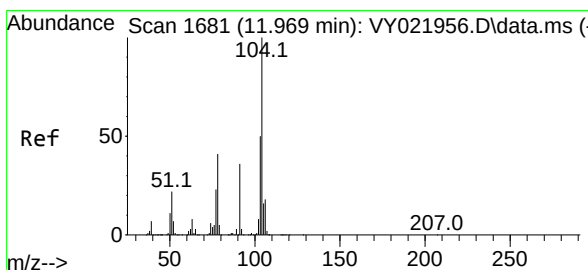
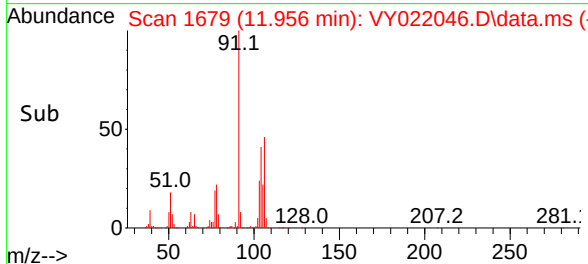
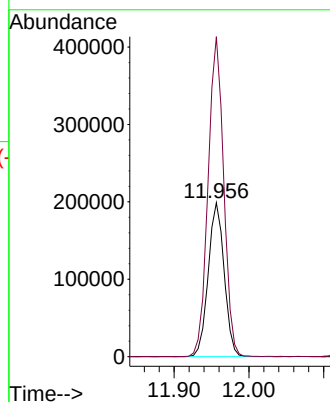
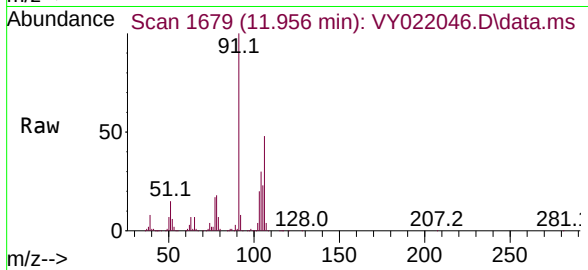




#69
o-Xylene
Concen: 48.395 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

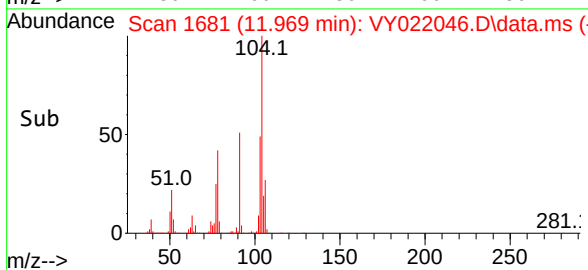
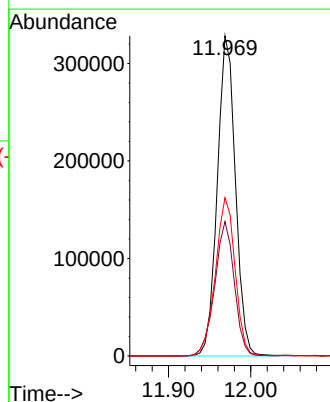
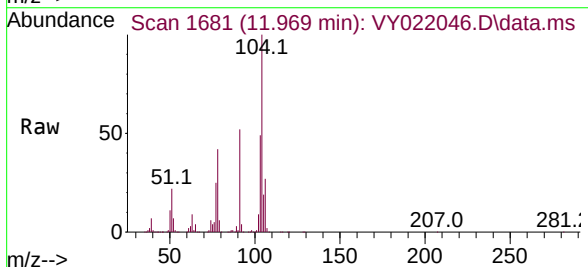
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

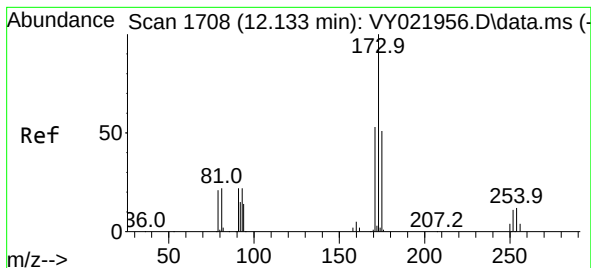
Tgt Ion:106 Resp: 294487
Ion Ratio Lower Upper
106 100
91 203.5 103.0 308.9



#70
Styrene
Concen: 49.256 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:104 Resp: 503254
Ion Ratio Lower Upper
104 100
78 45.2 36.6 54.8
103 53.7 43.8 65.8





#71

Bromoform

Concen: 48.842 ug/l

RT: 12.133 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

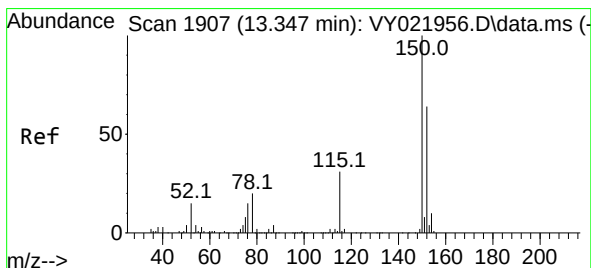
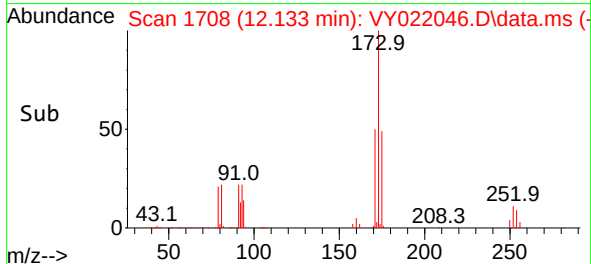
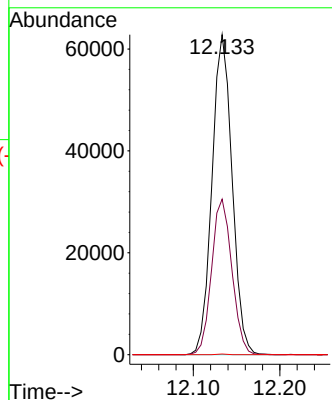
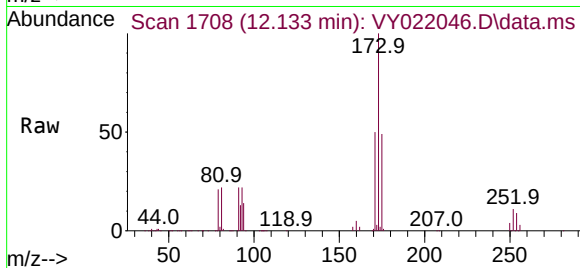
Tgt Ion:173 Resp: 101395

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

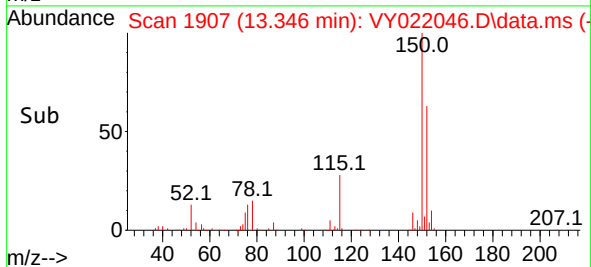
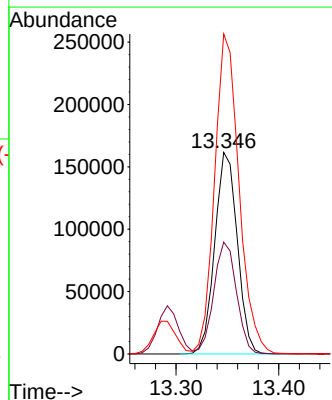
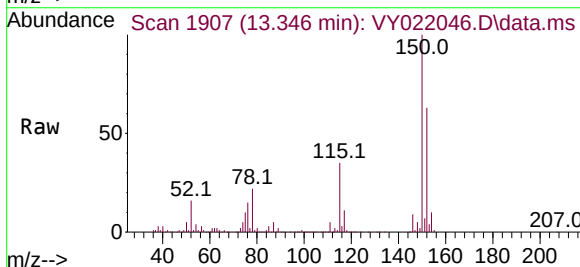
Tgt Ion:152 Resp: 245911

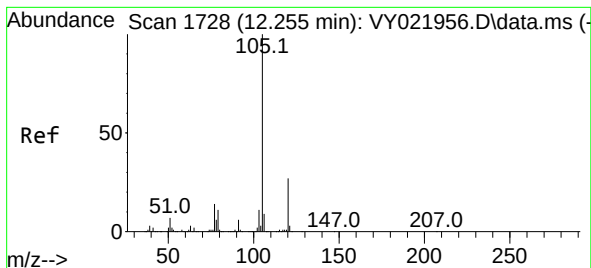
Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

150 172.1 0.0 345.6





#73

Isopropylbenzene

Concen: 47.173 ug/l

RT: 12.255 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

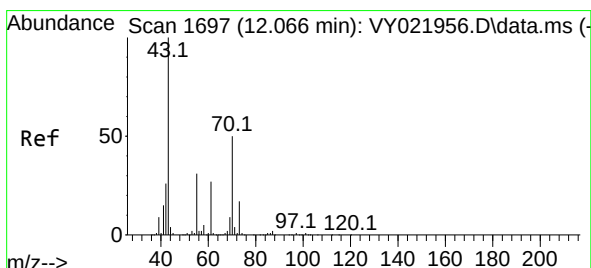
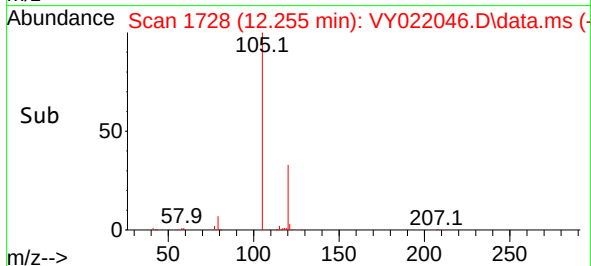
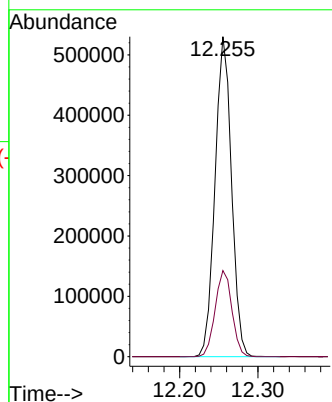
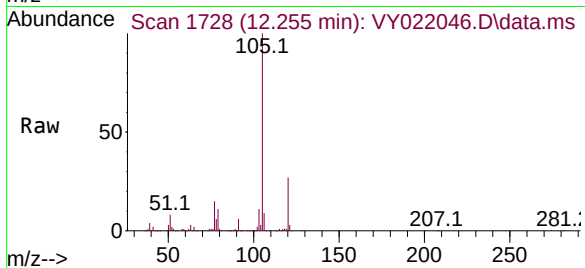
VSTDCCC050

Tgt Ion:105 Resp: 775025

Ion Ratio Lower Upper

105 100

120 27.4 13.5 40.5



#74

N-ethyl acetate

Concen: 45.674 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 128926

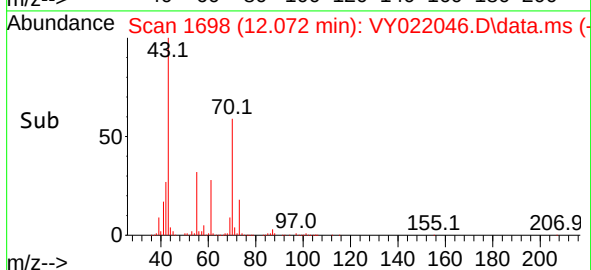
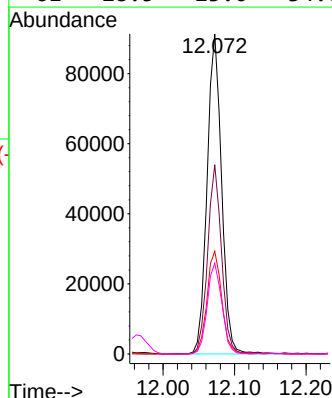
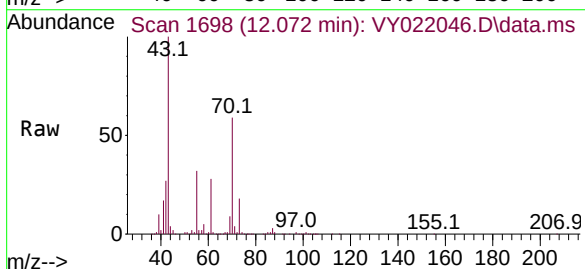
Ion Ratio Lower Upper

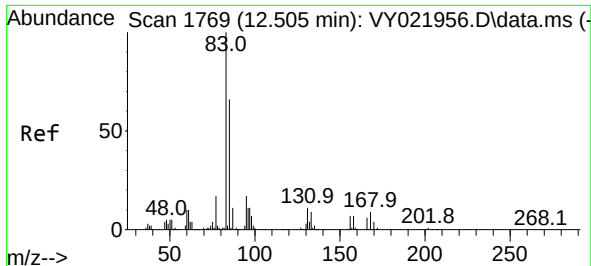
43 100

70 57.0 43.2 64.8

55 33.1 25.7 38.5

61 28.5 23.0 34.6

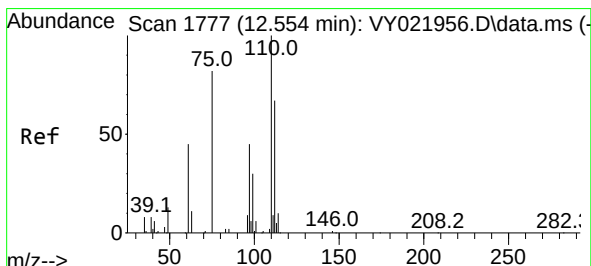
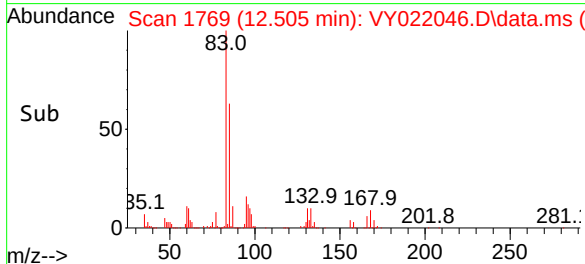
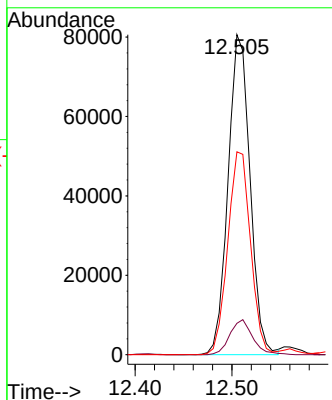
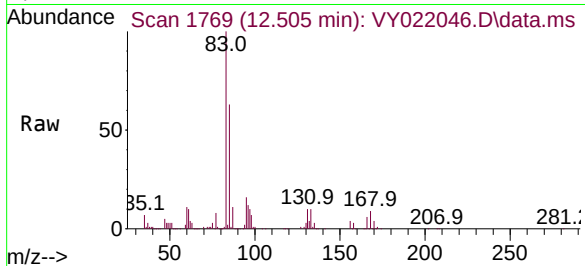




#75
1,1,2,2-Tetrachloroethane
Concen: 45.905 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

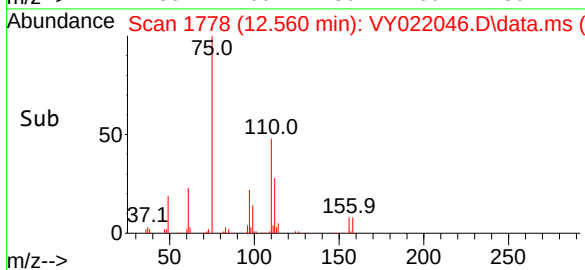
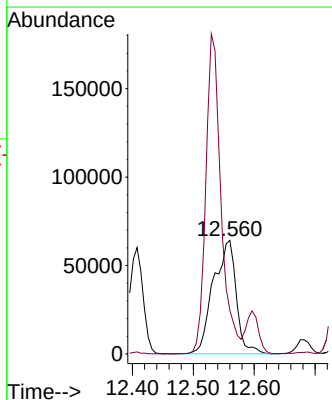
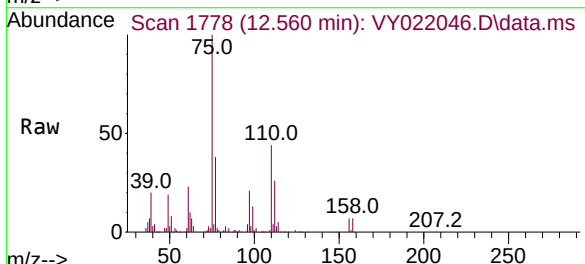
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

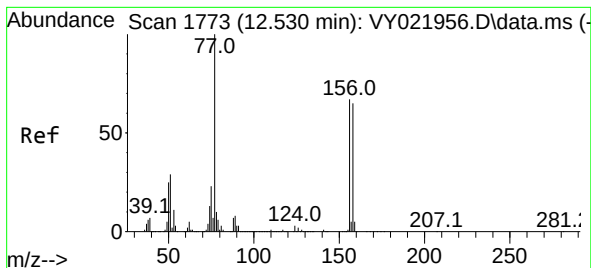
Tgt Ion: 83 Resp: 127155
Ion Ratio Lower Upper
83 100
131 11.4 5.5 16.4
85 65.6 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 79.590 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 167644
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.020 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

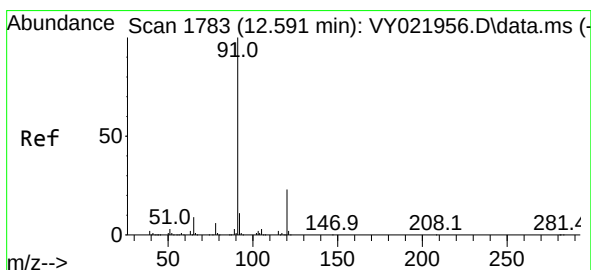
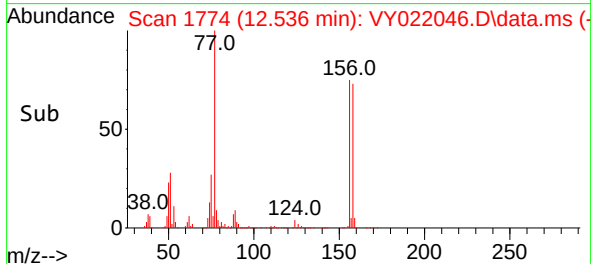
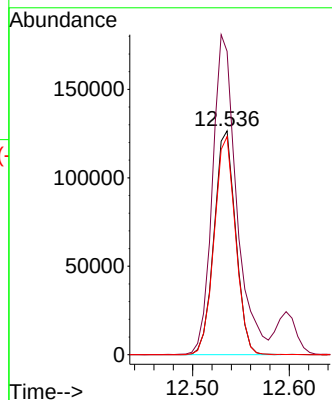
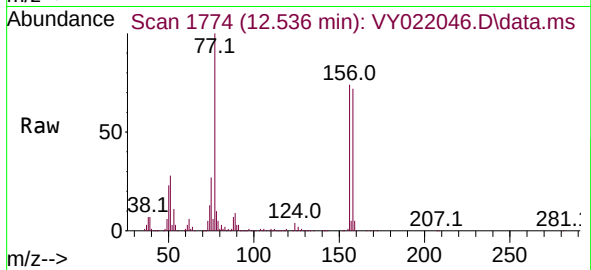
Tgt Ion:156 Resp: 195202

Ion Ratio Lower Upper

156 100

77 161.0 82.7 248.1

158 97.1 48.1 144.4



#78

n-propylbenzene

Concen: 47.296 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY022046.D

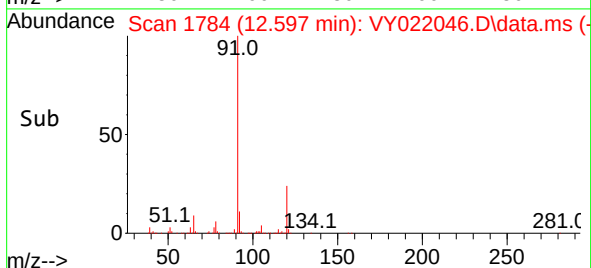
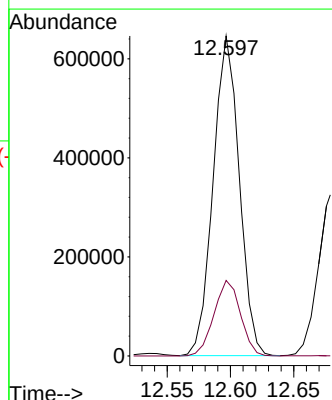
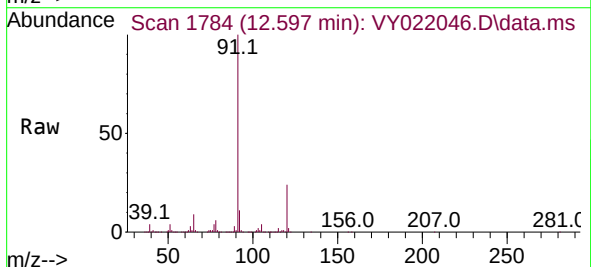
Acq: 29 Apr 2025 09:28

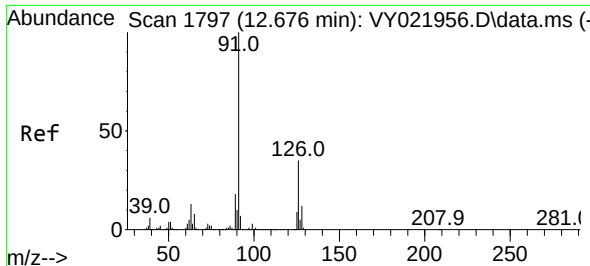
Tgt Ion: 91 Resp: 925377

Ion Ratio Lower Upper

91 100

120 23.9 11.9 35.5





#79

2-Chlorotoluene

Concen: 46.226 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

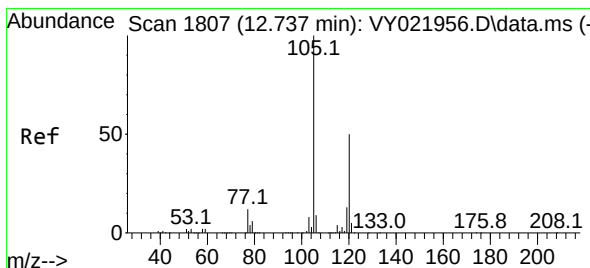
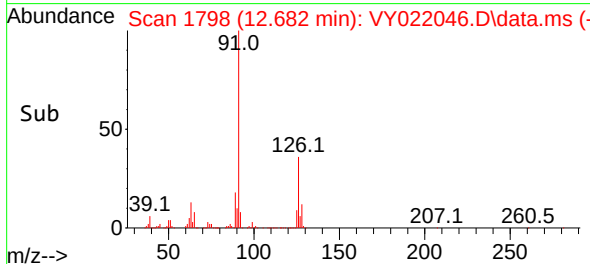
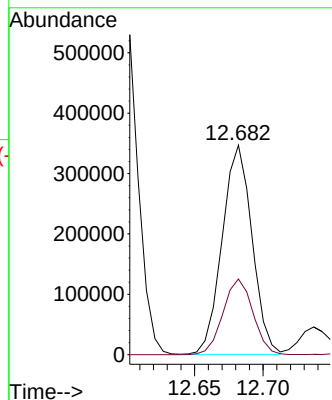
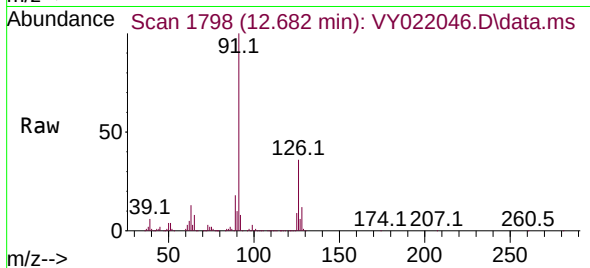
VSTDCCC050

Tgt Ion: 91 Resp: 525989

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 47.830 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022046.D

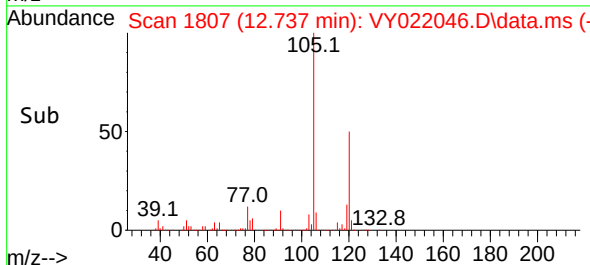
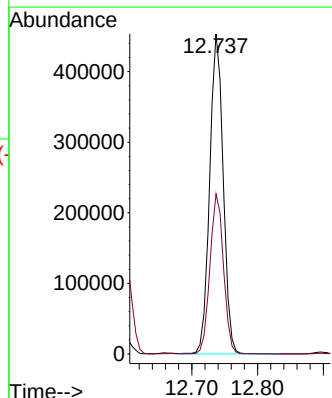
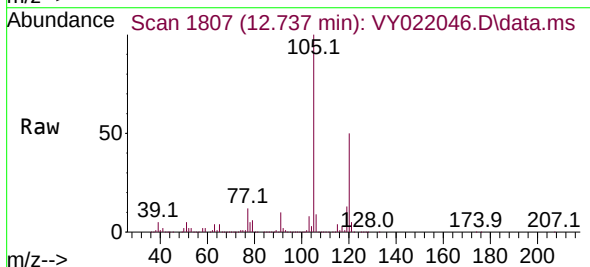
Acq: 29 Apr 2025 09:28

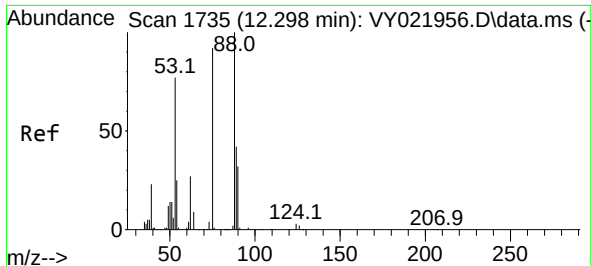
Tgt Ion: 105 Resp: 647472

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0

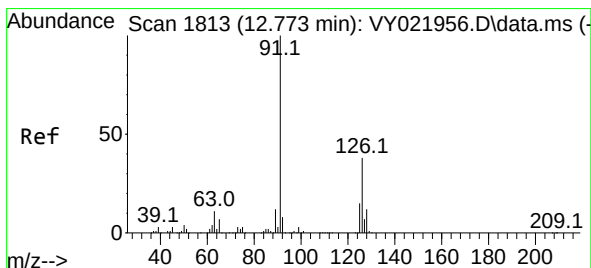
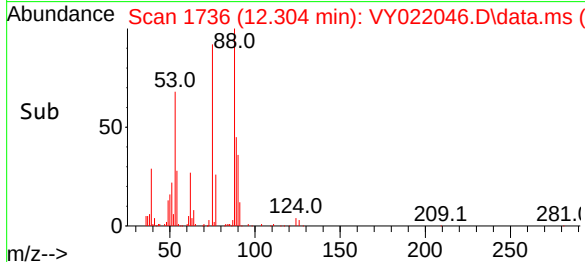
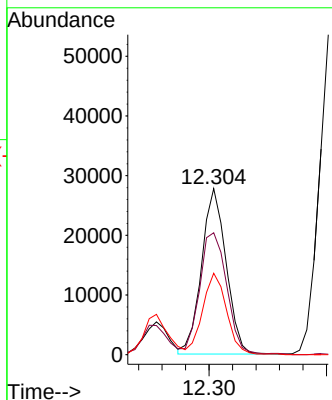
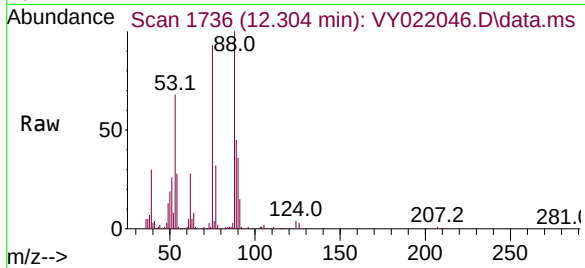




#81
trans-1,4-Dichloro-2-butene
Concen: 45.956 ug/l
RT: 12.304 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

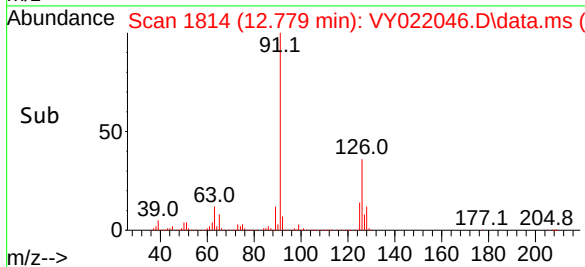
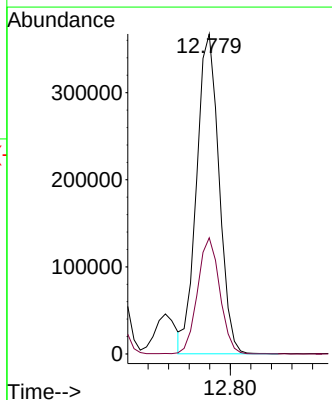
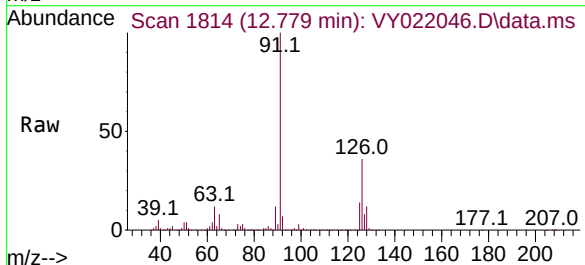
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

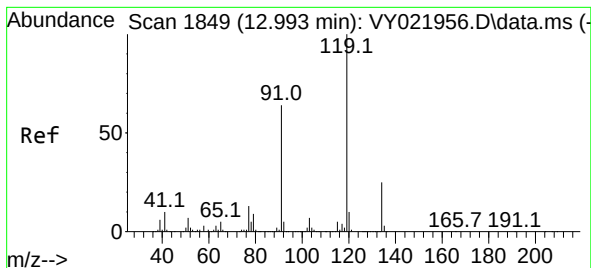
Tgt Ion: 75 Resp: 40197
Ion Ratio Lower Upper
75 100
53 82.4 66.0 99.0
89 48.3 37.2 55.8



#82
4-Chlorotoluene
Concen: 46.986 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 555774
Ion Ratio Lower Upper
91 100
126 36.1 17.9 53.8





#83

tert-Butylbenzene

Concen: 47.269 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

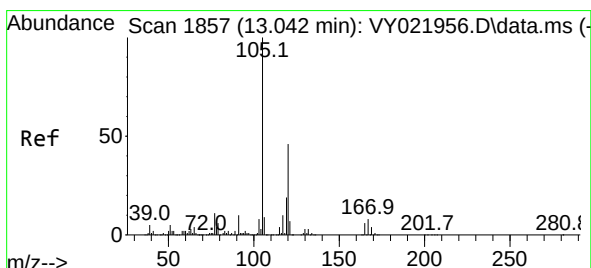
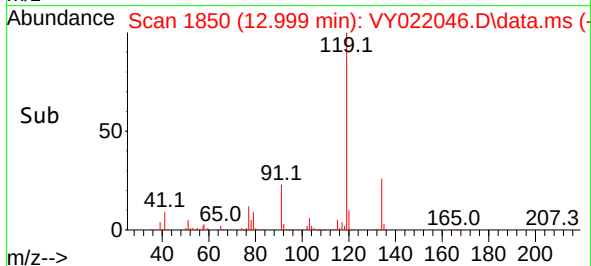
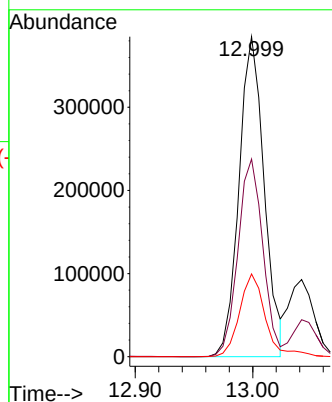
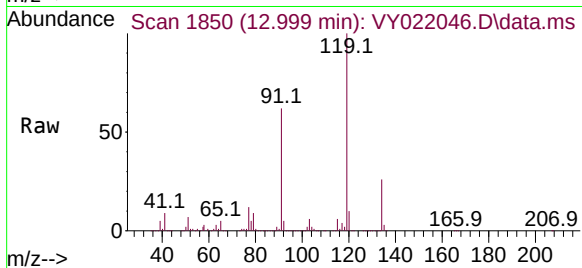
Tgt Ion:119 Resp: 573871

Ion Ratio Lower Upper

119 100

91 61.0 30.3 90.9

134 26.6 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 47.887 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022046.D

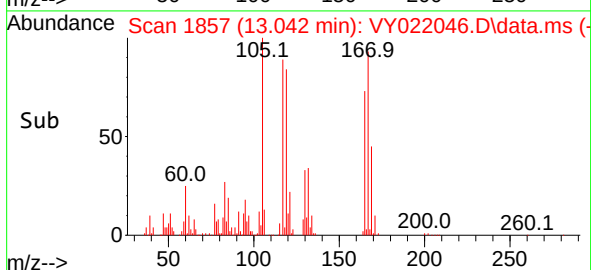
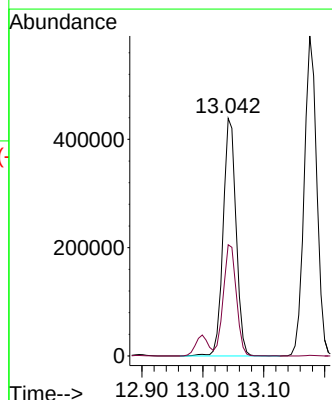
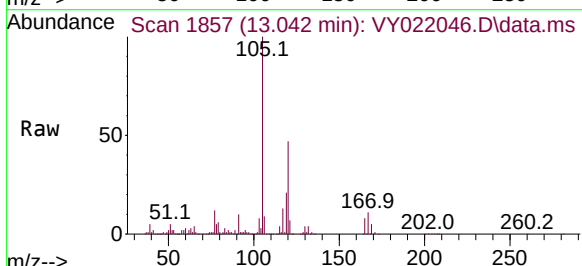
Acq: 29 Apr 2025 09:28

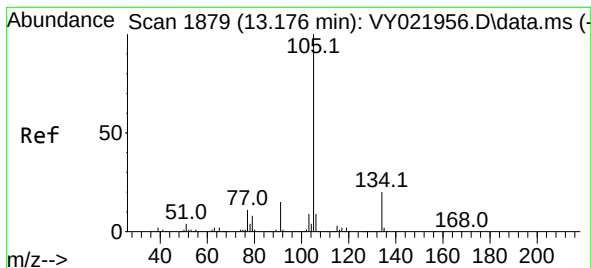
Tgt Ion:105 Resp: 648390

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





#85

sec-Butylbenzene

Concen: 47.496 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

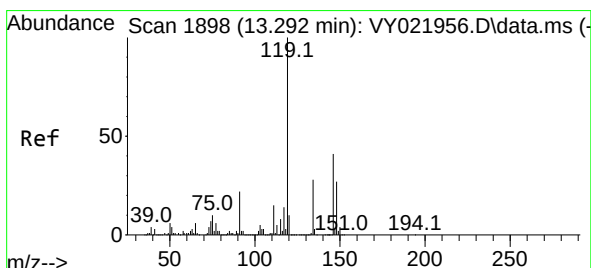
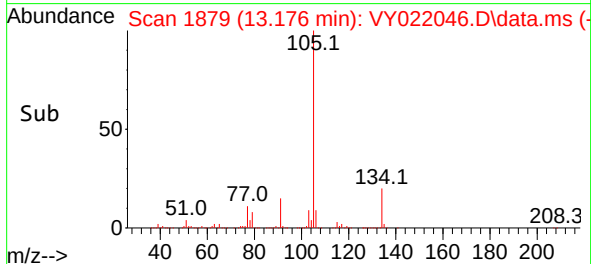
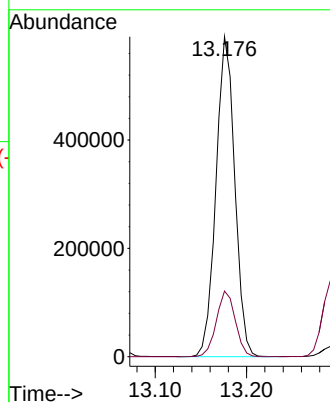
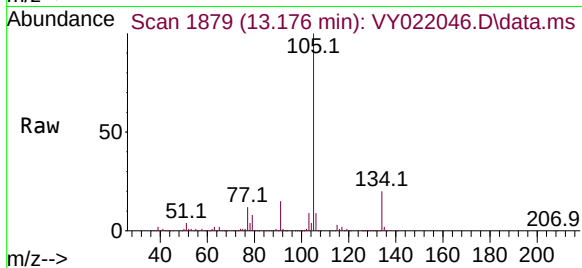
VSTDCCC050

Tgt Ion:105 Resp: 843779

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.9



#86

p-Isopropyltoluene

Concen: 48.314 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

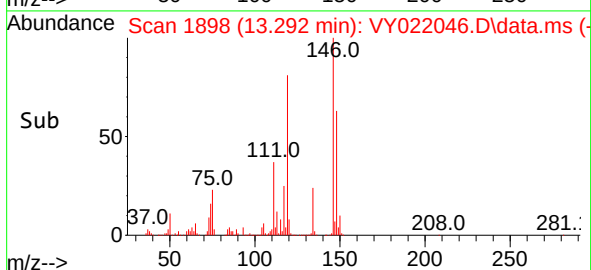
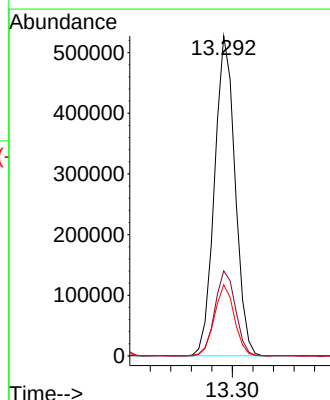
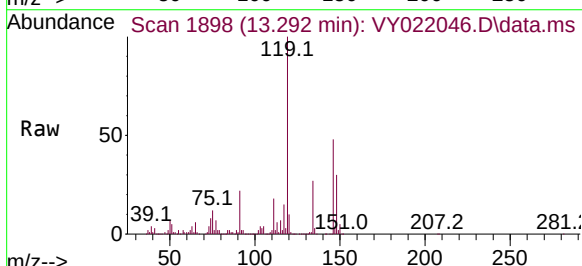
Tgt Ion:119 Resp: 728842

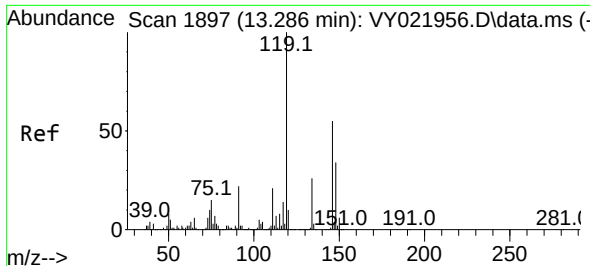
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

91 21.6 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 46.325 ug/l

RT: 13.285 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

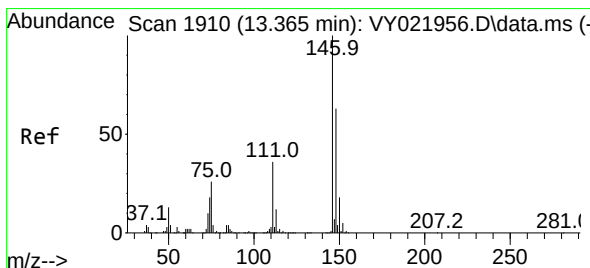
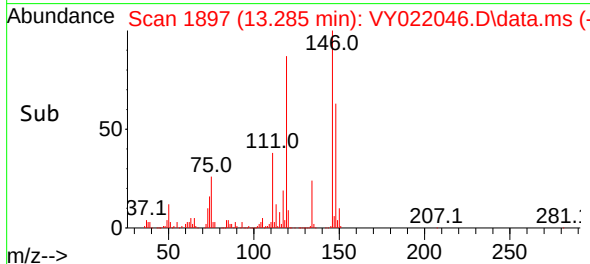
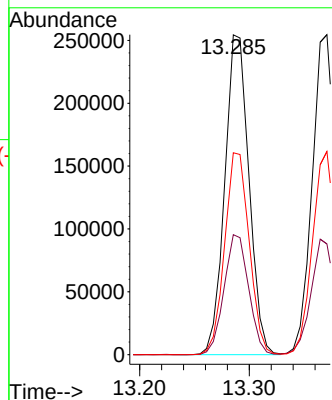
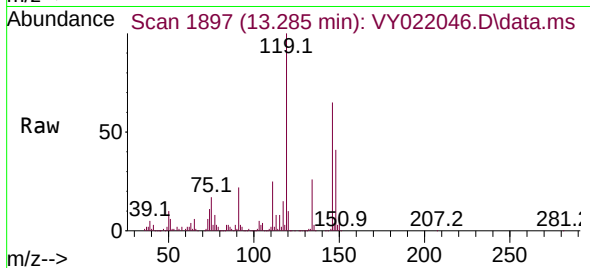
Tgt Ion:146 Resp: 390607

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.5

148 64.1 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 46.327 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

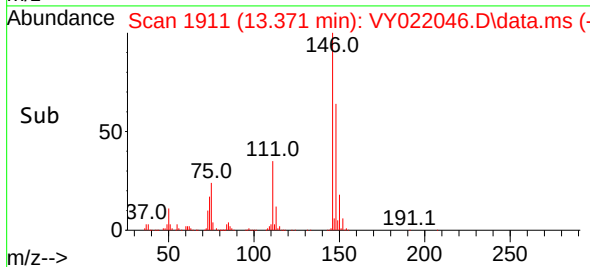
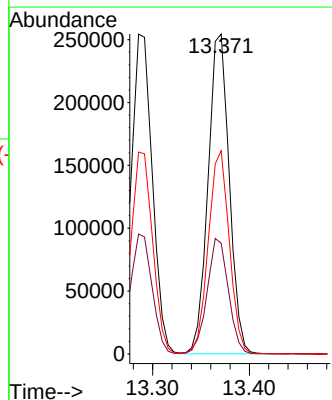
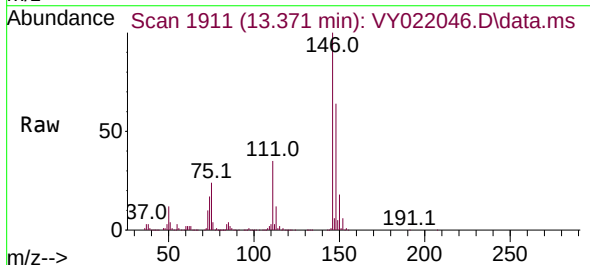
Tgt Ion:146 Resp: 386869

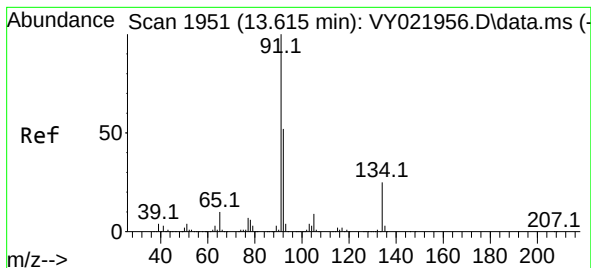
Ion Ratio Lower Upper

146 100

111 36.3 19.2 57.6

148 63.1 32.0 96.0





#89

n-Butylbenzene

Concen: 46.748 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

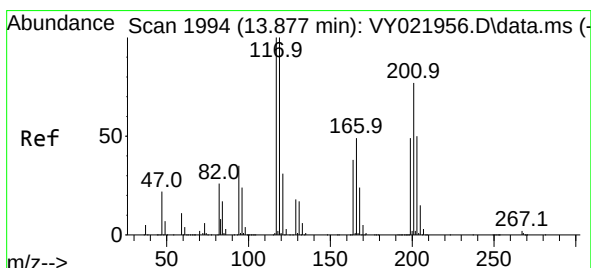
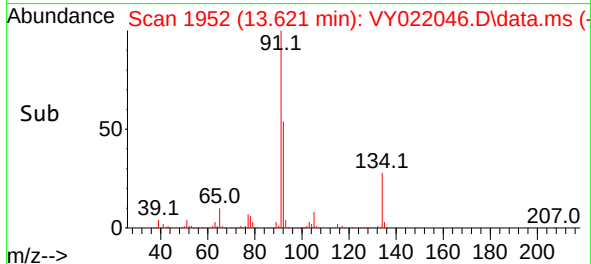
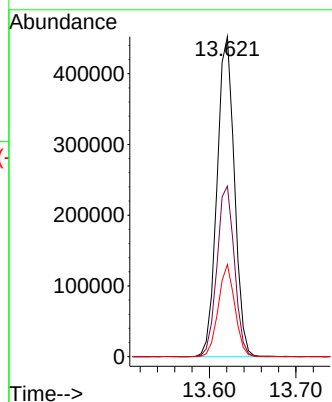
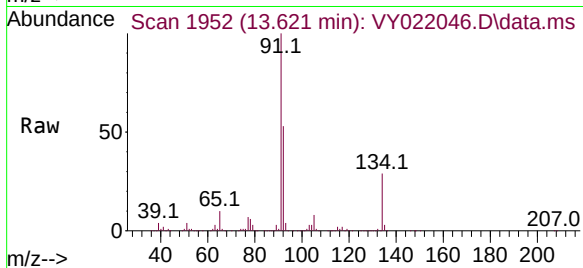
Tgt Ion: 91 Resp: 630349

Ion Ratio Lower Upper

91 100

92 53.5 26.5 79.5

134 27.5 13.4 40.1



#90

Hexachloroethane

Concen: 45.482 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022046.D

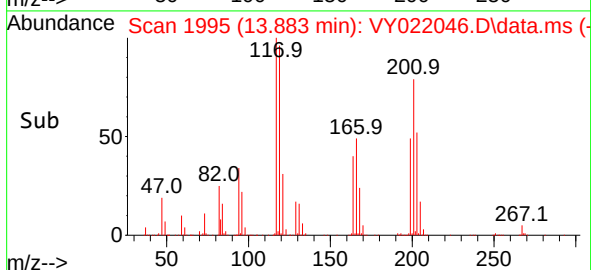
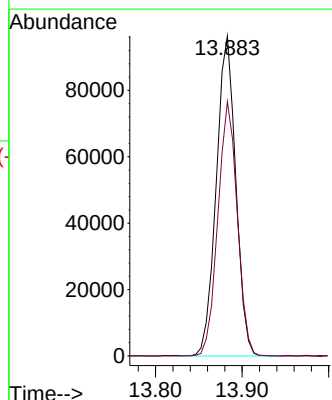
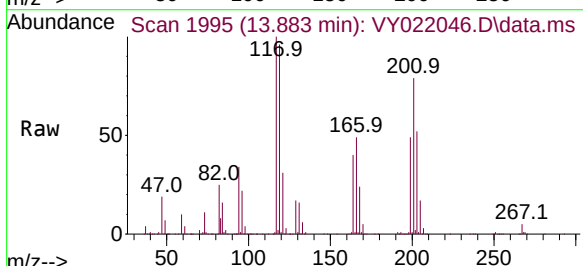
Acq: 29 Apr 2025 09:28

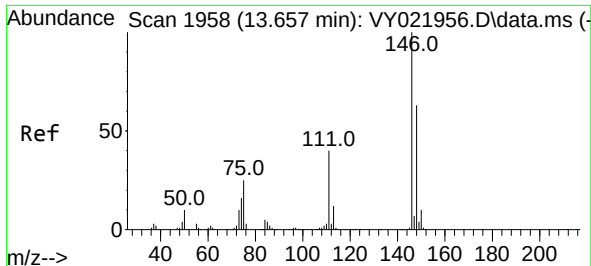
Tgt Ion: 117 Resp: 150746

Ion Ratio Lower Upper

117 100

201 79.0 38.7 116.1





#91

1,2-Dichlorobenzene

Concen: 46.013 ug/l

RT: 13.663 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

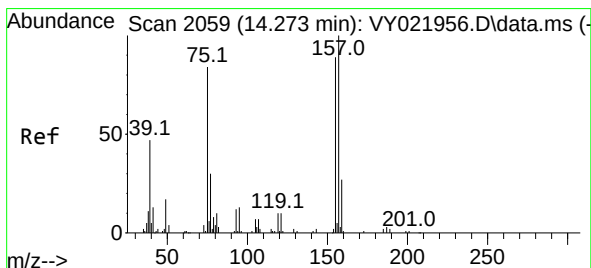
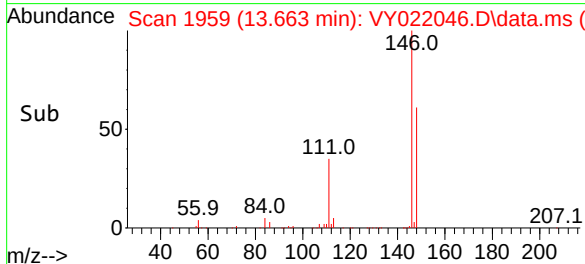
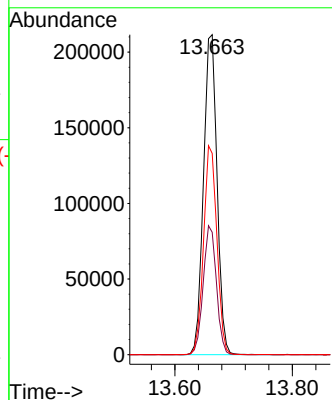
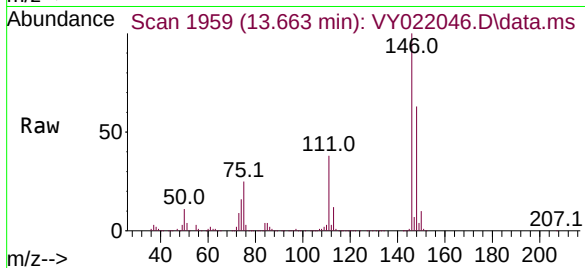
Tgt Ion:146 Resp: 338387

Ion Ratio Lower Upper

146 100

111 39.4 19.7 59.1

148 64.2 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.539 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

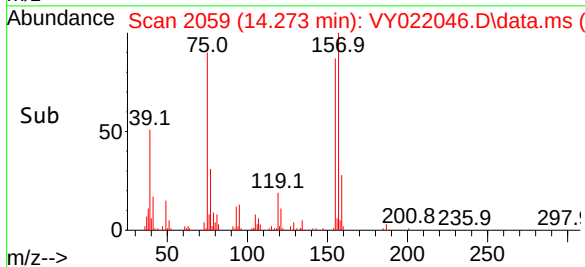
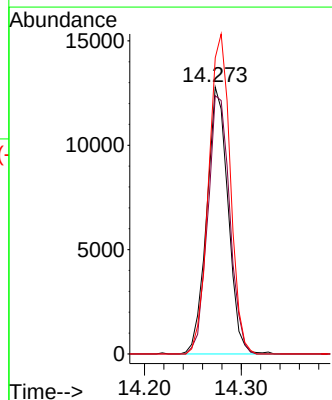
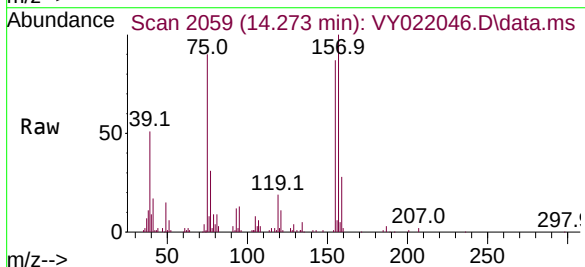
Tgt Ion: 75 Resp: 19628

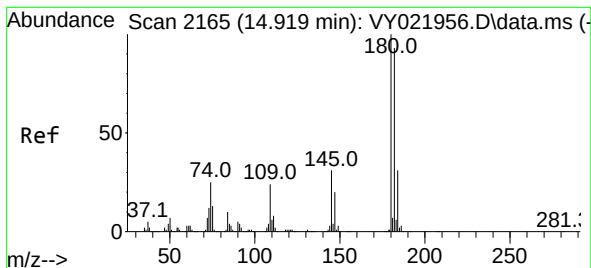
Ion Ratio Lower Upper

75 100

155 99.1 50.7 152.3

157 120.9 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 47.361 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

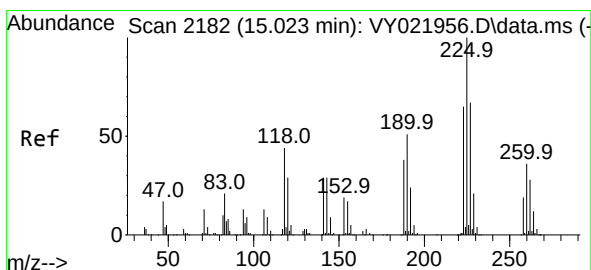
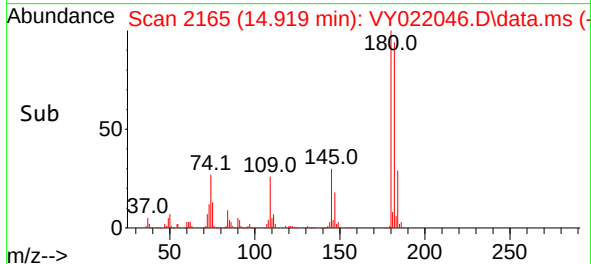
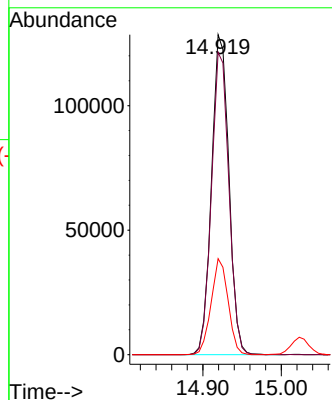
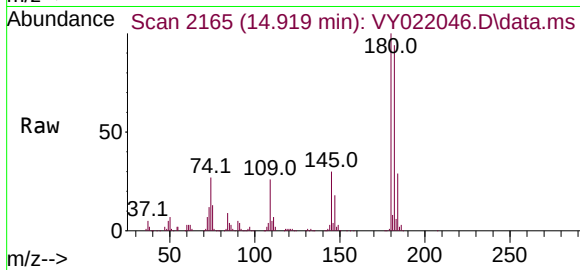
Tgt Ion:180 Resp: 197372

Ion Ratio Lower Upper

180 100

182 94.8 47.1 141.4

145 29.4 15.0 45.0



#94

Hexachlorobutadiene

Concen: 46.396 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

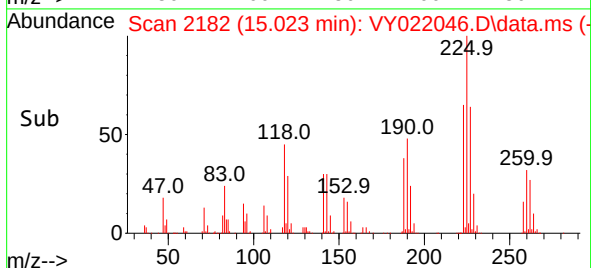
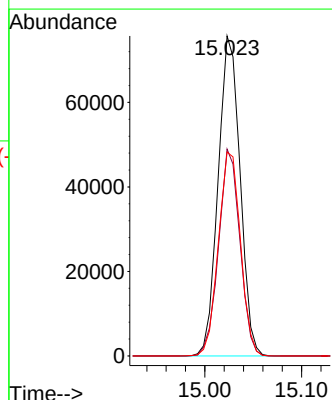
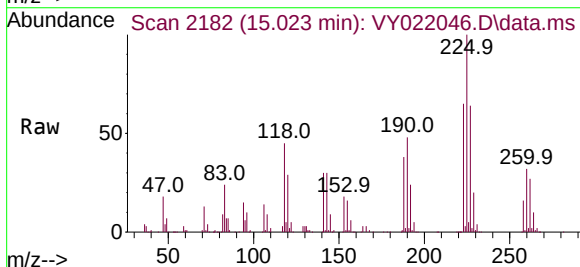
Tgt Ion:225 Resp: 118961

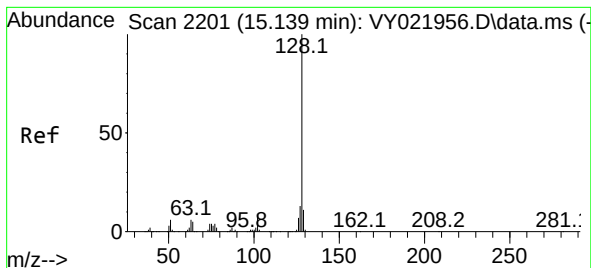
Ion Ratio Lower Upper

225 100

223 62.7 31.9 95.5

227 64.3 32.3 96.9





#95

Naphthalene

Concen: 48.746 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

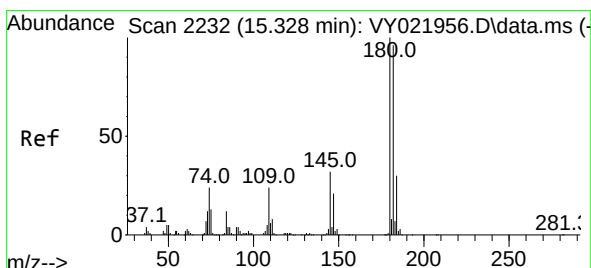
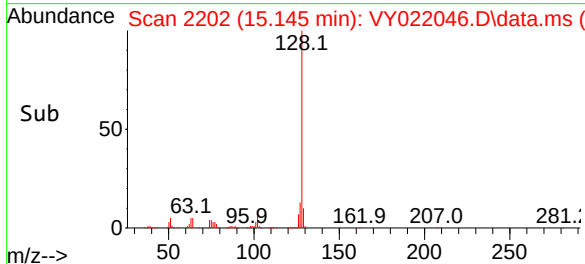
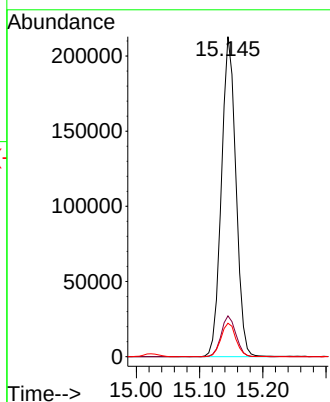
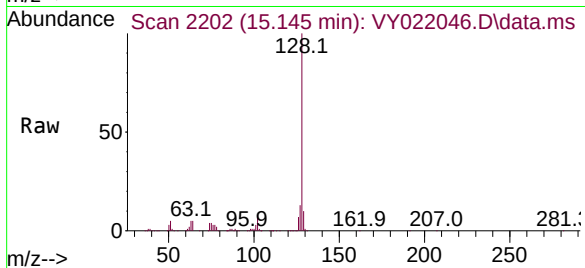
Tgt Ion:128 Resp: 337462

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.9 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 47.880 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022046.D

Acq: 29 Apr 2025 09:28

Tgt Ion:180 Resp: 172242

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.4

145 31.9 16.0 48.0

