

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022331.D
 Acq On : 20 May 2025 10:21
 Operator : SY/MD
 Sample : VY0520SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Quant Time: May 21 01:43:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	162404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	280923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	236555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	111469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93712	52.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.600%			
35) Dibromofluoromethane	7.634	113	87259	52.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.080%			
50) Toluene-d8	10.103	98	353867	51.531	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.408	95	103841	47.707	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	35898	21.184	ug/l	98
3) Chloromethane	2.068	50	106010	29.739	ug/l	96
4) Vinyl Chloride	2.202	62	121528	30.514	ug/l	99
5) Bromomethane	2.592	94	123030	37.947	ug/l	93
6) Chloroethane	2.733	64	86905	35.075	ug/l	97
7) Trichlorofluoromethane	3.044	101	115381	28.614	ug/l	96
8) Diethyl Ether	3.452	74	21262	21.972	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	39180	22.382	ug/l	98
10) Methyl Iodide	4.001	142	39806	19.647	ug/l	97
11) Tert butyl alcohol	4.885	59	15076	111.229	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	38409	22.110	ug/l	99
13) Acrolein	3.653	56	14505	73.203	ug/l	92
14) Allyl chloride	4.379	41	58664	19.259	ug/l	91
15) Acrylonitrile	5.055	53	44040	110.449	ug/l	99
16) Acetone	3.873	43	33441	100.481	ug/l	96
17) Carbon Disulfide	4.104	76	121089	21.376	ug/l	100
18) Methyl Acetate	4.391	43	22221	21.176	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	105578	22.042	ug/l	100
20) Methylene Chloride	4.616	84	43159	20.069	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	41335	21.557	ug/l	94
22) Diisopropyl ether	6.013	45	129506	20.133	ug/l	94
23) Vinyl Acetate	5.958	43	393589	101.282	ug/l	97
24) 1,1-Dichloroethane	5.909	63	76757	21.359	ug/l	99
25) 2-Butanone	6.897	43	57164	102.685	ug/l	99
26) 2,2-Dichloropropane	6.884	77	65941	20.630	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	47974	21.681	ug/l	98
28) Bromochloromethane	7.244	49	32721	21.346	ug/l	98
29) Tetrahydrofuran	7.262	42	38507	107.516	ug/l	95
30) Chloroform	7.421	83	76921	22.315	ug/l	97
31) Cyclohexane	7.701	56	74031	20.618	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67990	21.499	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54092	19.586	ug/l	96
37) Ethyl Acetate	6.982	43	27235	20.496	ug/l	97
38) Carbon Tetrachloride	7.817	117	59086	20.669	ug/l	100
39) Methylcyclohexane	9.110	83	75810	20.432	ug/l	95
40) Benzene	8.079	78	170661	20.845	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	15384	17.453	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	47209	21.323	ug/l	99
43) Isopropyl Acetate	8.195	43	58799	20.290	ug/l	97
44) Trichloroethene	8.866	130	41880	20.573	ug/l	96
45) 1,2-Dichloropropane	9.140	63	40216	20.374	ug/l	96
46) Dibromomethane	9.231	93	22879	21.490	ug/l	98
47) Bromodichloromethane	9.420	83	57637	20.869	ug/l	99
48) Methyl methacrylate	9.219	41	26138	19.286	ug/l	92
49) 1,4-Dioxane	9.238	88	5078	422.215	ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	142570	100.263	ug/l	97
52) Toluene	10.170	92	103885	20.038	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	54150	20.090	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	62298	20.174	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	28800	21.126	ug/l	97
56) Ethyl methacrylate	10.439	69	43432	20.452	ug/l	96
57) 1,3-Dichloropropane	10.719	76	51011	21.060	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	83740	87.855	ug/l	99
59) 2-Hexanone	10.762	43	93178	97.733	ug/l	96
60) Dibromochloromethane	10.908	129	36043	20.369	ug/l	98
61) 1,2-Dibromoethane	11.012	107	27035	21.277	ug/l	99
64) Tetrachloroethene	10.646	164	47128	21.554	ug/l	98
65) Chlorobenzene	11.438	112	109284	20.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	36824	20.070	ug/l	99
67) Ethyl Benzene	11.518	91	198160	19.826	ug/l	98
68) m/p-Xylenes	11.627	106	149258	39.630	ug/l	98
69) o-Xylene	11.957	106	71971	20.198	ug/l	97
70) Styrene	11.969	104	118483	19.712	ug/l	99
71) Bromoform	12.133	173	20531	20.732	ug/l #	98
73) Isopropylbenzene	12.255	105	185361	20.072	ug/l	99
74) N-amyl acetate	12.072	43	50457	19.104	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	29407	20.706	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	43613	38.620	ug/l #	100
77) Bromobenzene	12.530	156	39771	20.164	ug/l	99
78) n-propylbenzene	12.597	91	226302	20.317	ug/l	100
79) 2-Chlorotoluene	12.682	91	120639	19.708	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	145541	19.524	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	10455	18.754	ug/l	98
82) 4-Chlorotoluene	12.780	91	123547	19.623	ug/l	98
83) tert-Butylbenzene	12.999	119	131465	19.842	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	142982	19.322	ug/l	97
85) sec-Butylbenzene	13.176	105	196521	19.981	ug/l	100
86) p-Isopropyltoluene	13.292	119	160020	19.345	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	77805	19.324	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	77620	20.041	ug/l	97
89) n-Butylbenzene	13.615	91	154259	19.712	ug/l	99
90) Hexachloroethane	13.877	117	32205	19.287	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	67307	19.901	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5031	21.968	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	37416	19.152	ug/l	98
94) Hexachlorobutadiene	15.023	225	20316	18.648	ug/l	99
95) Naphthalene	15.145	128	72453	19.543	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	31537	19.029	ug/l	99

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Response via : Initial Calibration

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

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Abundance

TIC: VY022331.D\data.ms

Time-->

Chloromethane, P
Vinyl Chloride, C

Dichlorodifluoromethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

Acetone, T

Methyl iodide, T

Carbon Disulfide, T

1,1,2,2-Tetrachloroethane, T

Methyl chloride, T

Methylene Chloride, T

Tert butyl alcohol, T

Acetonitrile, T

1,1-Dichloroethane, P

Isopropyl ethyl ether, T

Ethyl Acetate, T

Methacrylonitrile, T

Chloroform, C

1,1,1-Trichloroethane, S

1,1-Cyclohexene, T

1,2-Dichloroethane, S

Isopropyl acetate, T

1,4-Dichlorobenzene, T

Trichloroethene, TM

Methylcyclohexane, T

1,4-Dichlorobenzene, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, CM

Tetrachloroethene, T

1,2-Dibromomethane, T

Dibromochloromethane, T

1,3-Dichloropropane, T

1,1,2-Trichloroethane, T

1,1,2,2-Tetrachloroethane, T

Ethyl Hexachloropropene, T

Chlorobenzene, PM

Ethyl Benzene, T

Styrene, T

o-Xylene, T

4-Bromofluorobenzene, S

Bromobenzene, T

1,3,5-Trimethylbenzene, T

2-Chlorotoluene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

n-Butylbenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

Naphthalene, T

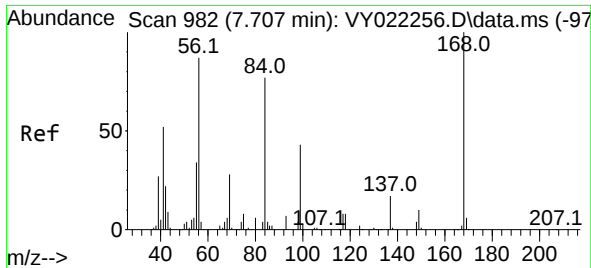
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1,3-Dichlorobenzene, T

1,3-Dichlorobenzene-d4, T

1,3-Dichlorobenzene-d5, T

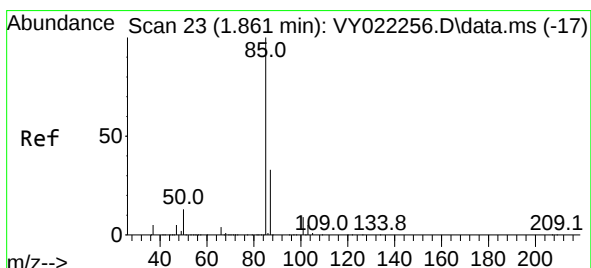
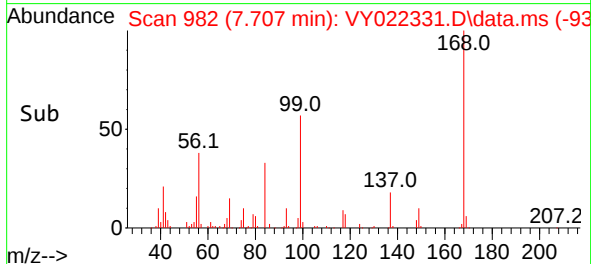
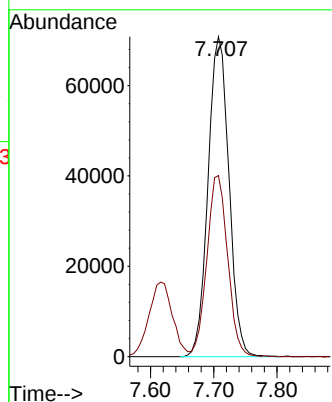
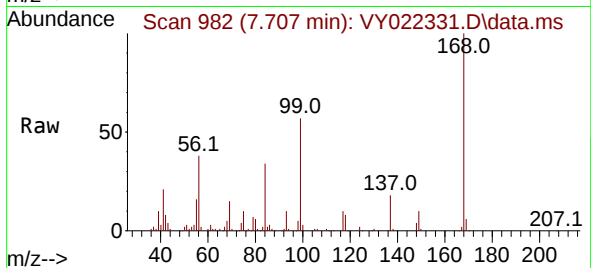
Toluene-d8, S



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
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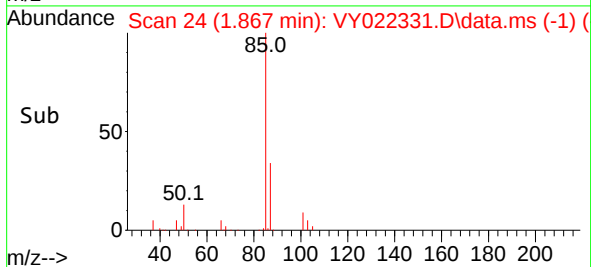
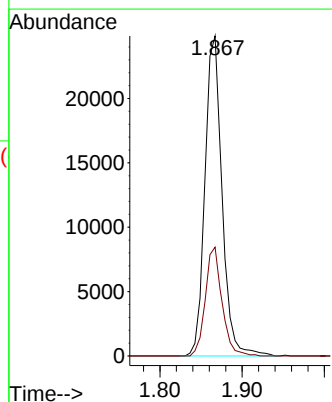
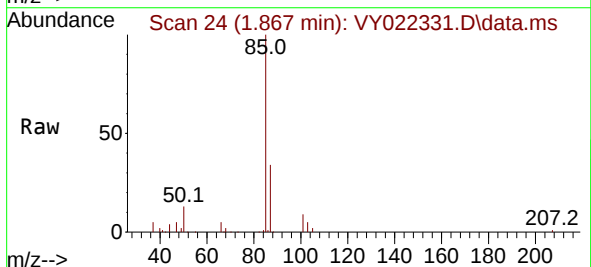
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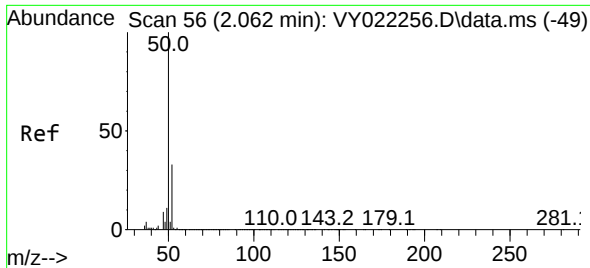
Tgt Ion:168 Resp: 162404
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 21.184 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 85 Resp: 35898
Ion Ratio Lower Upper
85 100
87 34.0 16.5 49.5

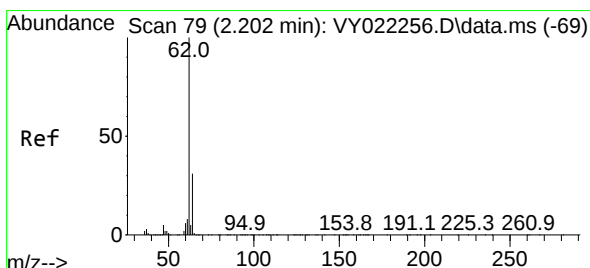
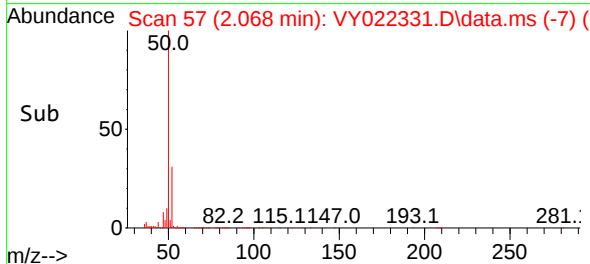
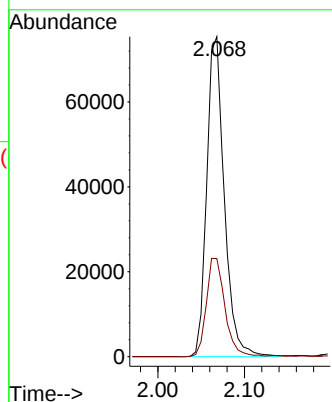
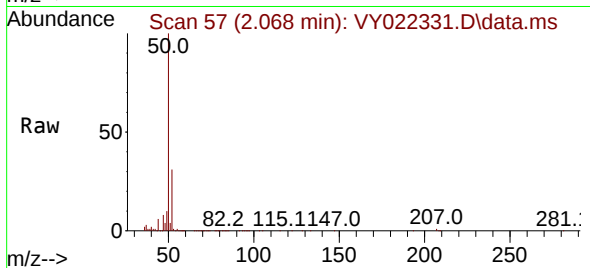




#3
Chloromethane
Concen: 29.739 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

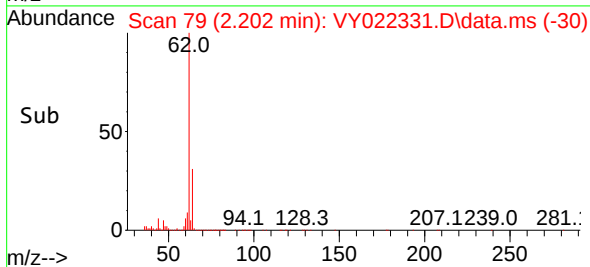
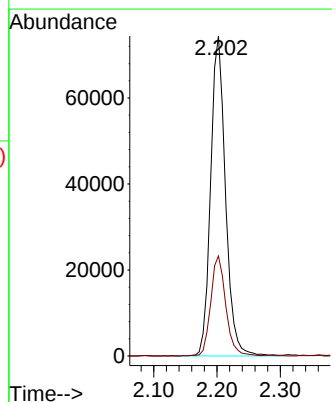
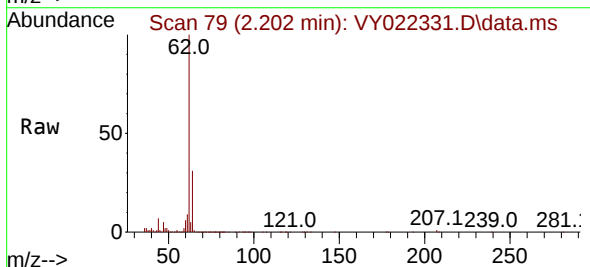
Instrument :
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Tgt Ion: 50 Resp: 106010
Ion Ratio Lower Upper
50 100
52 30.7 26.5 39.7



#4
Vinyl Chloride
Concen: 30.514 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 62 Resp: 121528
Ion Ratio Lower Upper
62 100
64 31.3 24.5 36.7

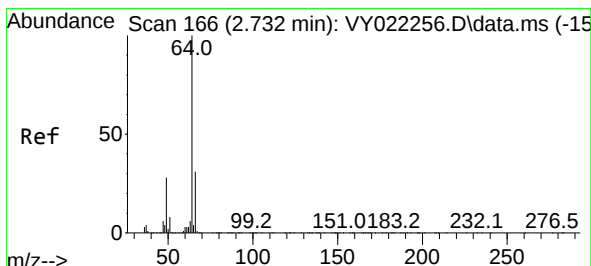
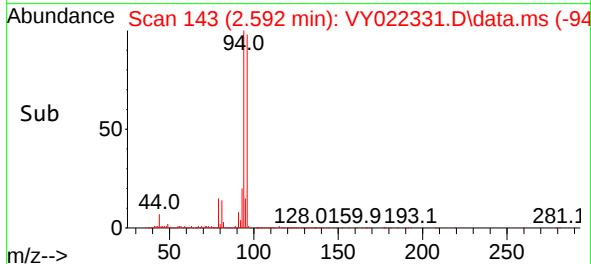
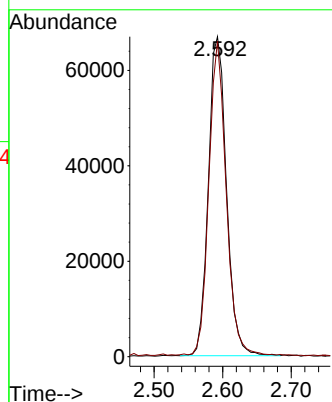
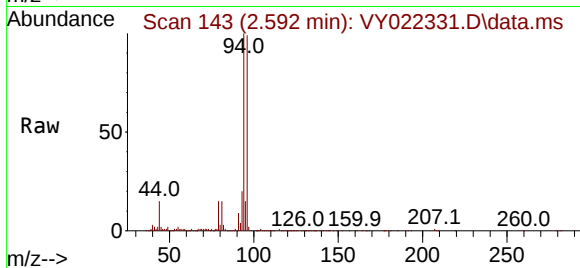




#5
Bromomethane
Concen: 37.947 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022331.D
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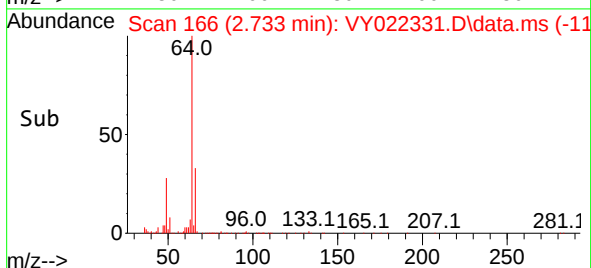
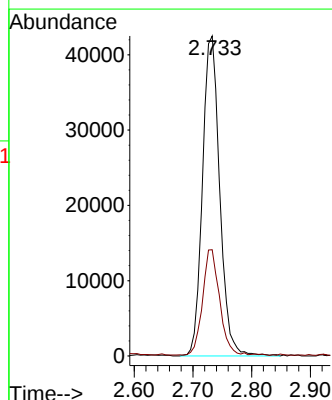
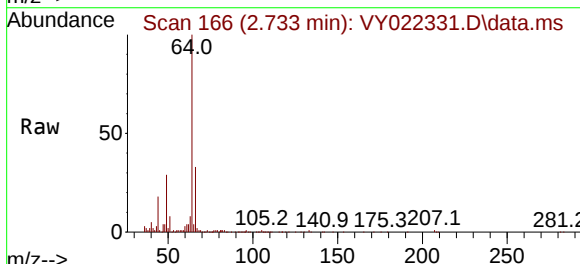
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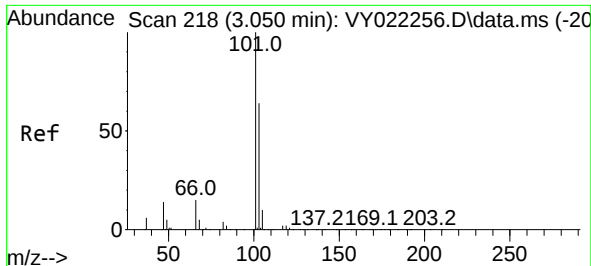
Tgt Ion: 94 Resp: 123030
Ion Ratio Lower Upper
94 100
96 98.4 73.4 110.0



#6
Chloroethane
Concen: 35.075 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
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Tgt Ion: 64 Resp: 86905
Ion Ratio Lower Upper
64 100
66 32.8 24.8 37.2

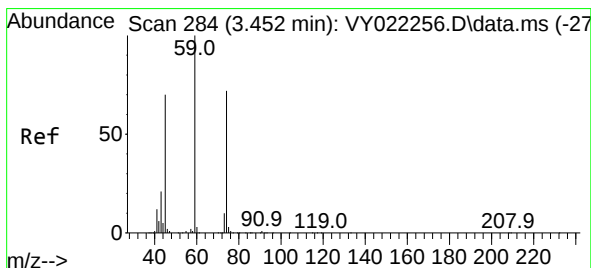
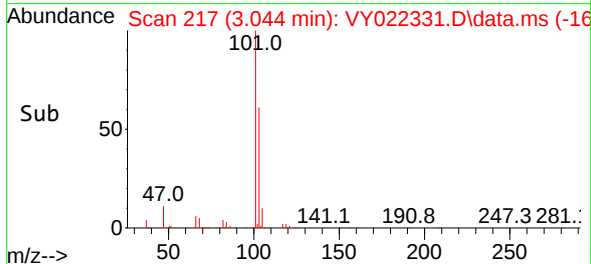
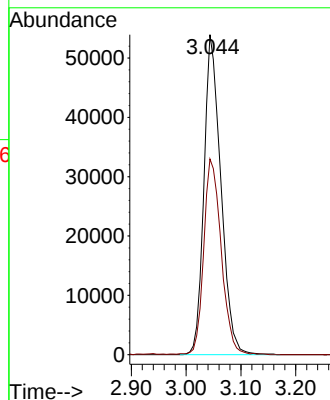
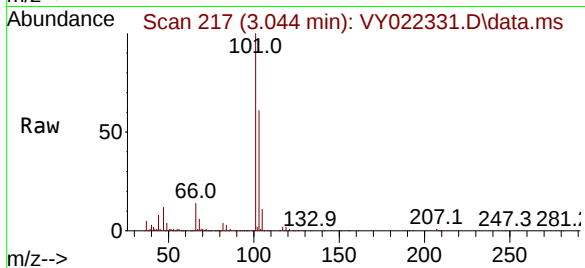




#7
Trichlorofluoromethane
Concen: 28.614 ug/l
RT: 3.044 min Scan# 218
Delta R.T. -0.006 min
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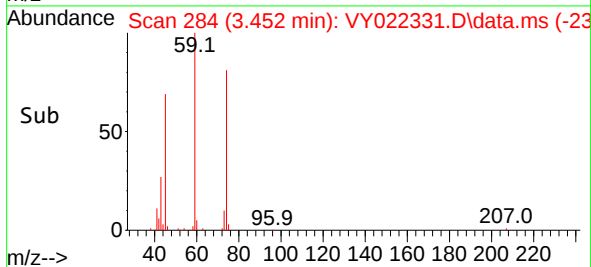
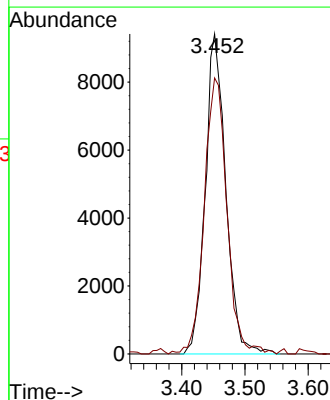
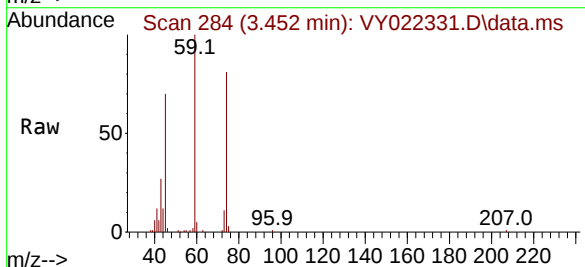
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Tgt Ion:101 Resp: 115381
Ion Ratio Lower Upper
101 100
103 61.2 51.7 77.5



#8
Diethyl Ether
Concen: 21.972 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022331.D
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Tgt Ion: 74 Resp: 21262
Ion Ratio Lower Upper
74 100
45 93.8 48.6 145.8

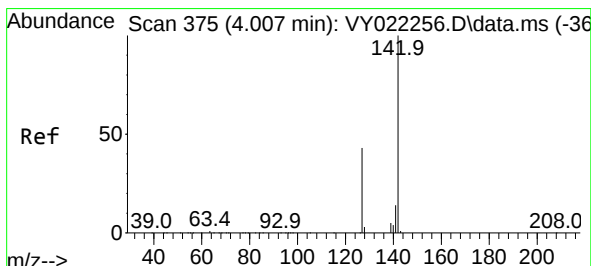
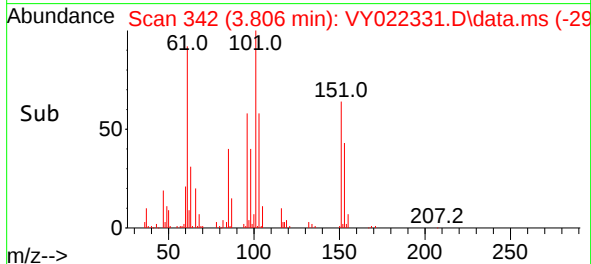
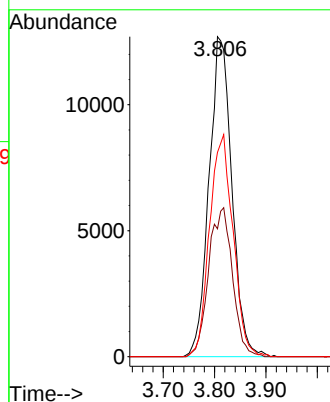
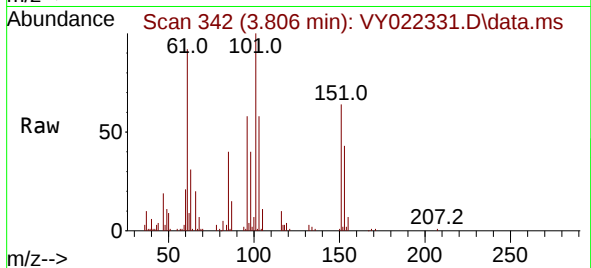




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.382 ug/l
RT: 3.806 min Scan# 344
Delta R.T. -0.012 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

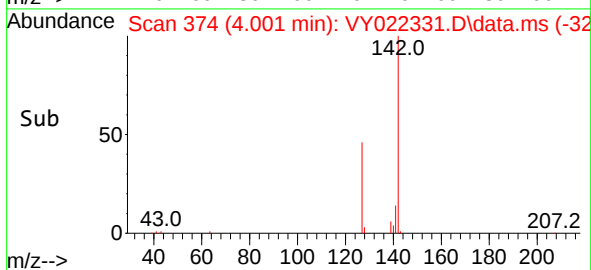
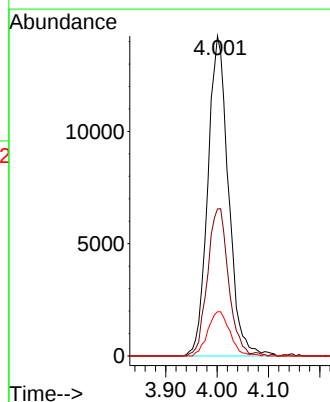
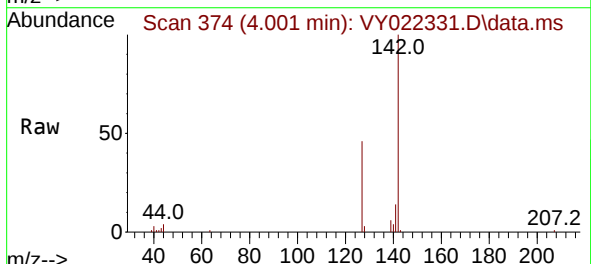
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

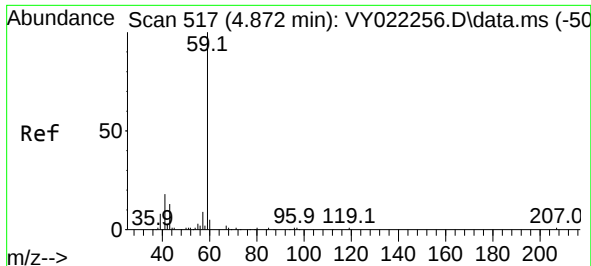
Tgt Ion:101 Resp: 39180
Ion Ratio Lower Upper
101 100
85 48.5 38.6 58.0
151 71.5 59.7 89.5



#10
Methyl Iodide
Concen: 19.647 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:142 Resp: 39806
Ion Ratio Lower Upper
142 100
127 46.8 35.7 53.5
141 14.8 11.1 16.7

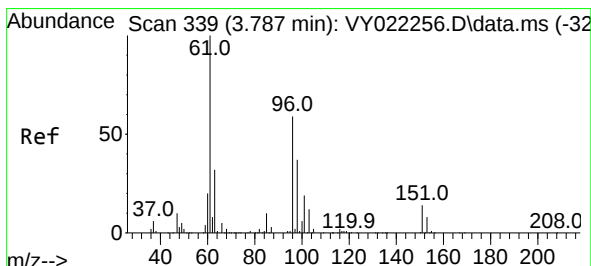
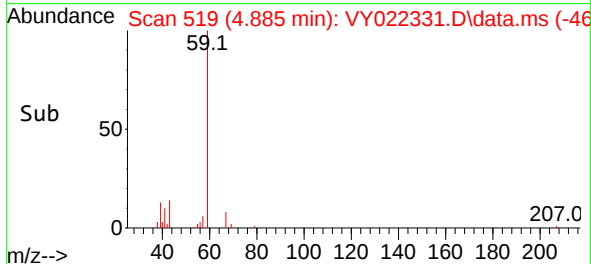
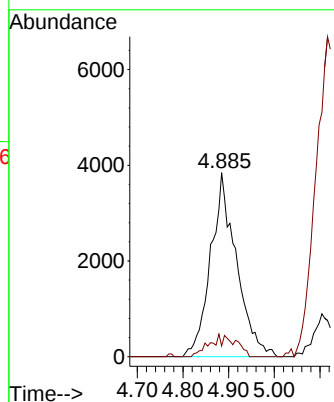
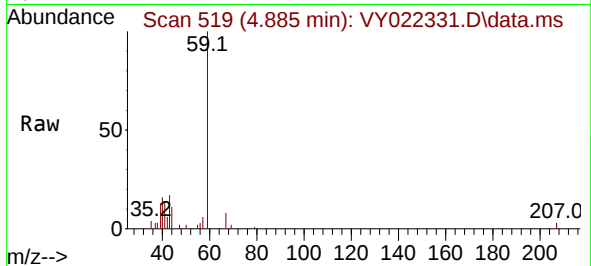




#11
Tert butyl alcohol
Concen: 111.229 ug/l
RT: 4.885 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

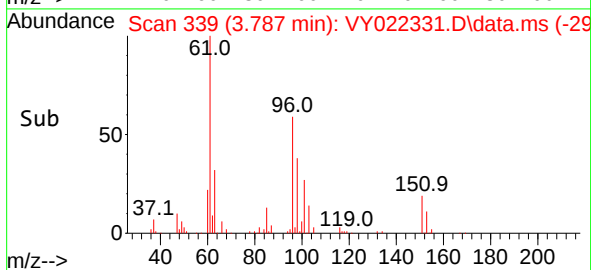
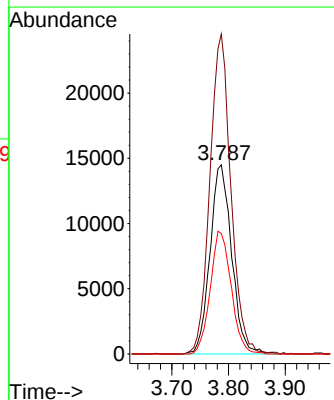
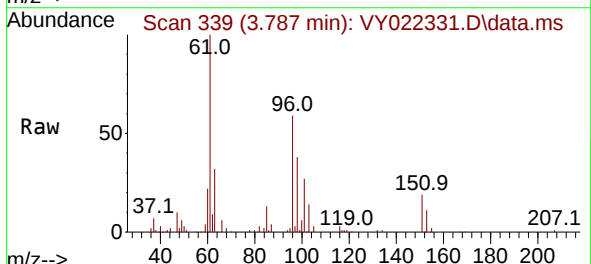
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

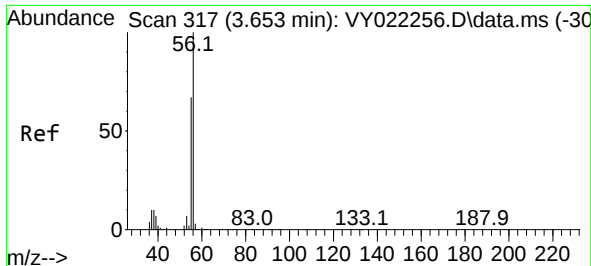
Tgt Ion: 59 Resp: 15076
Ion Ratio Lower Upper
59 100
57 5.9 0.0 0.0#



#12
1,1-Dichloroethene
Concen: 22.110 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 96 Resp: 38409
Ion Ratio Lower Upper
96 100
61 169.2 134.9 202.3
98 63.7 49.9 74.9





#13

Acrolein

Concen: 73.203 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

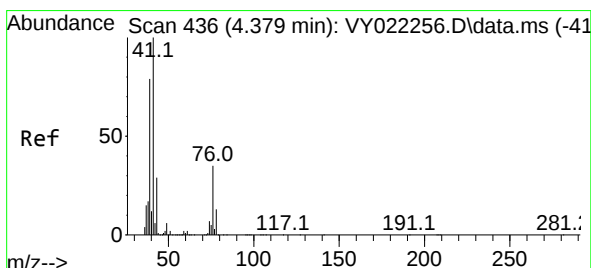
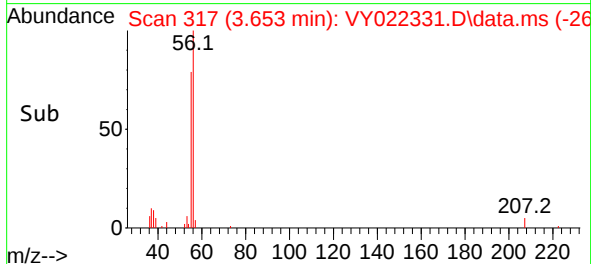
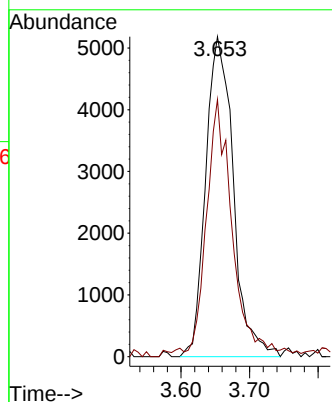
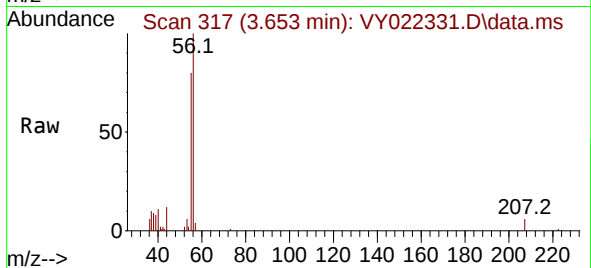
VY0520SBS01

Tgt Ion: 56 Resp: 14505

Ion Ratio Lower Upper

56 100

55 76.2 55.6 83.4



#14

Allyl chloride

Concen: 19.259 ug/l

RT: 4.379 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

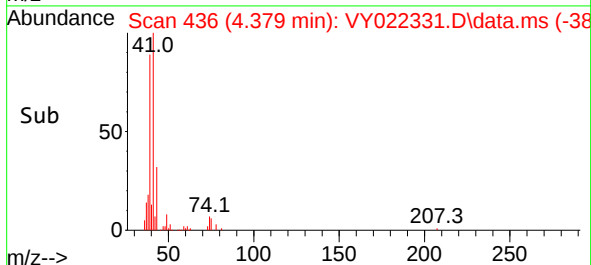
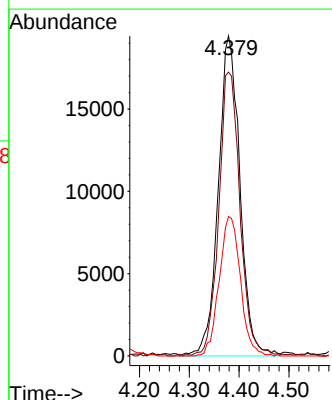
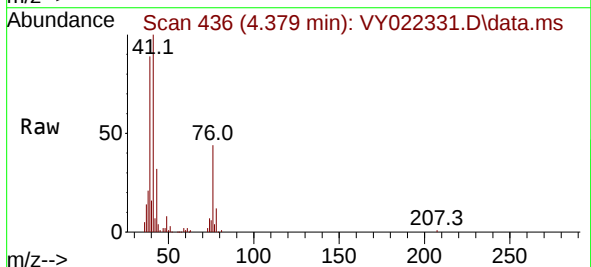
Tgt Ion: 41 Resp: 58664

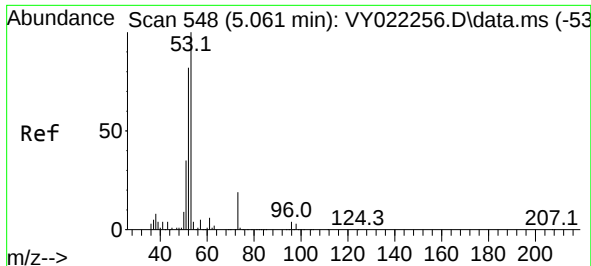
Ion Ratio Lower Upper

41 100

39 87.2 63.4 95.0

76 42.8 29.5 44.3

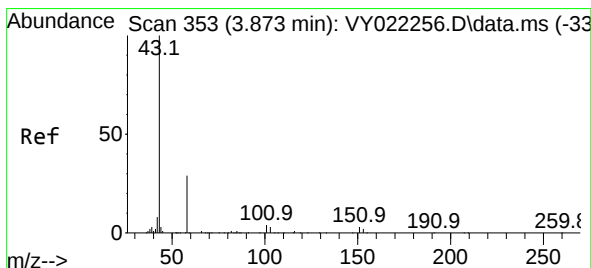
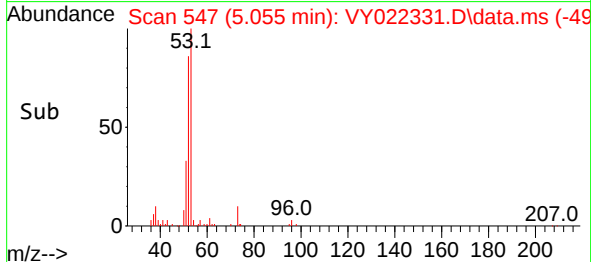
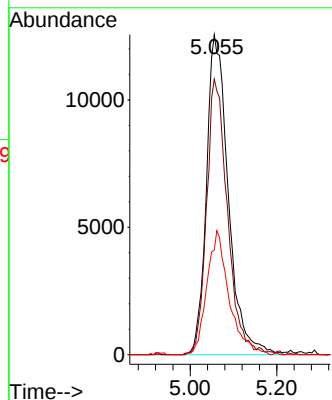
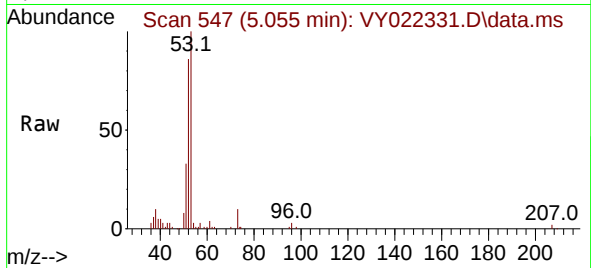




#15
Acrylonitrile
Concen: 110.449 ug/l
RT: 5.055 min Scan# 548
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

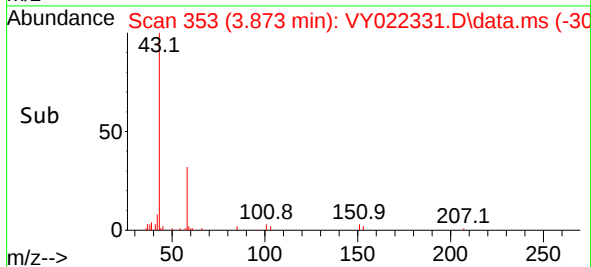
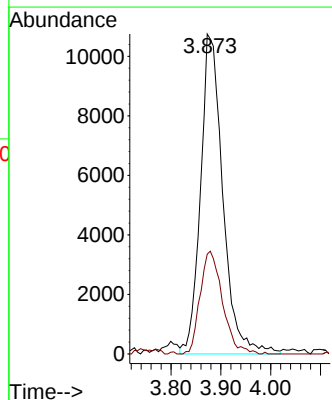
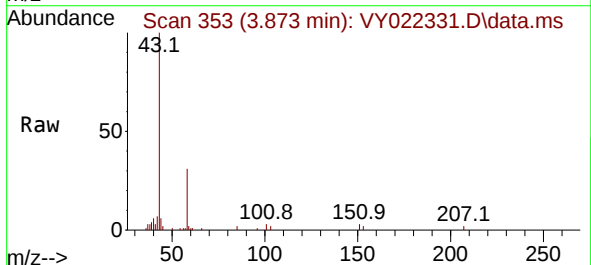
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tgt Ion: 53 Resp: 44040
Ion Ratio Lower Upper
53 100
52 82.6 66.1 99.1
51 39.2 30.0 45.0



#16
Acetone
Concen: 100.481 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 33441
Ion Ratio Lower Upper
43 100
58 31.5 23.6 35.4

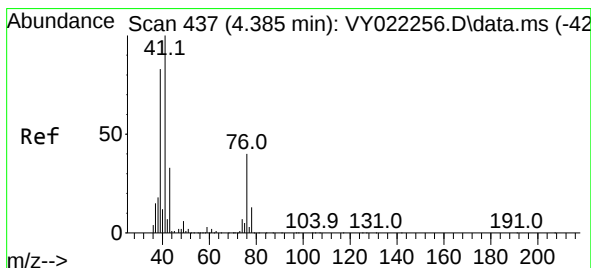
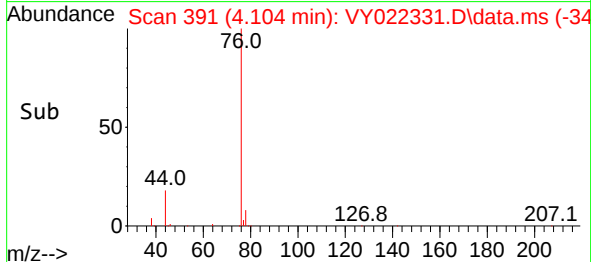
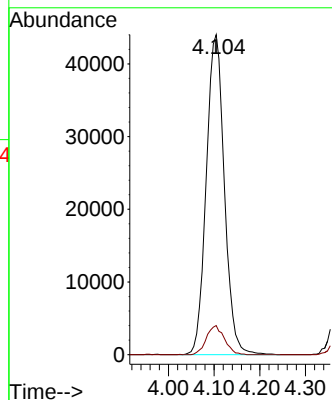
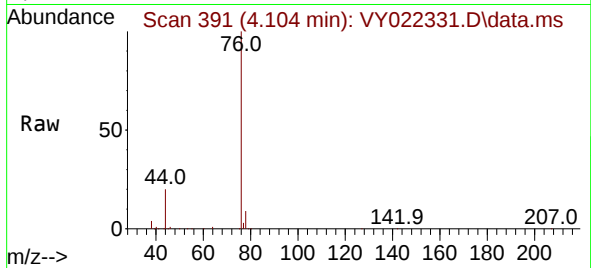




#17
Carbon Disulfide
Concen: 21.376 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

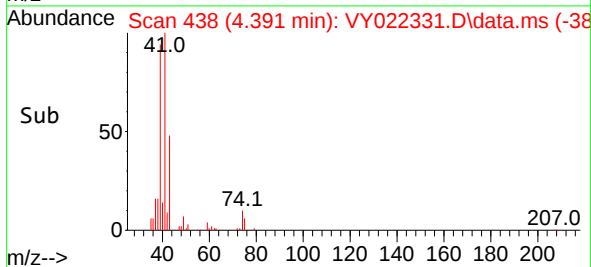
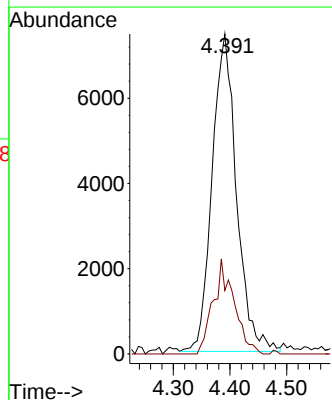
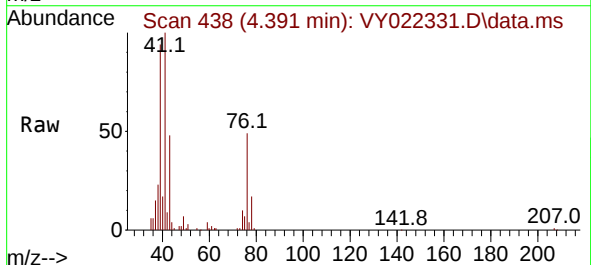
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tgt Ion: 76 Resp: 121089
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 21.176 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 22221
Ion Ratio Lower Upper
43 100
74 25.7 18.2 27.4

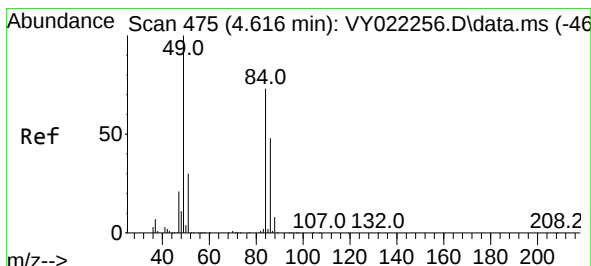
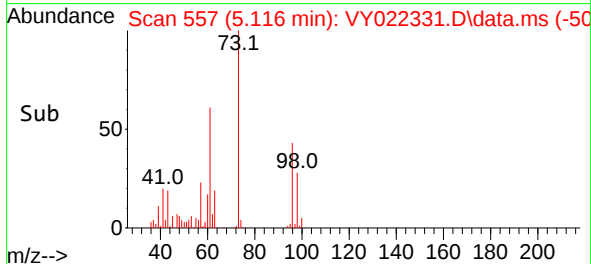
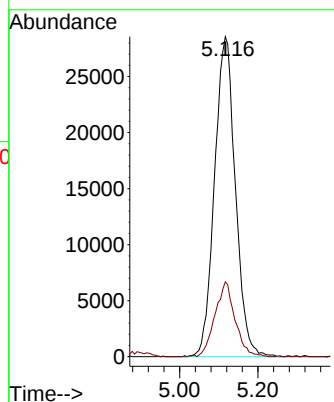
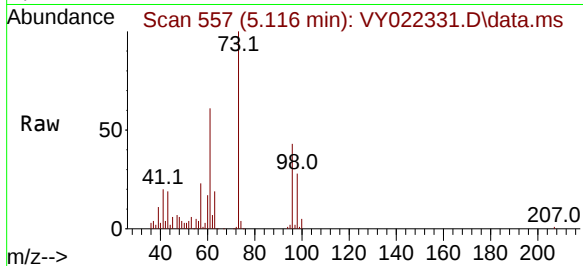




#19
Methyl tert-butyl Ether
Concen: 22.042 ug/l
RT: 5.116 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

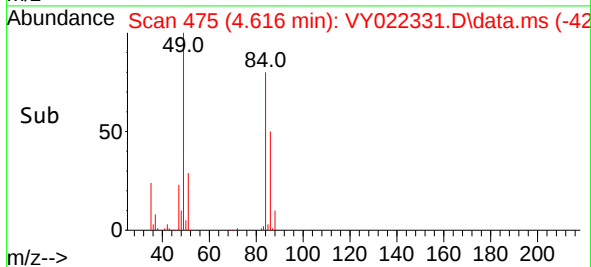
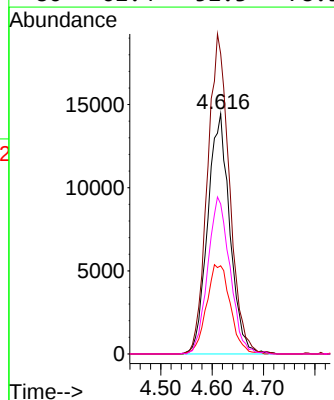
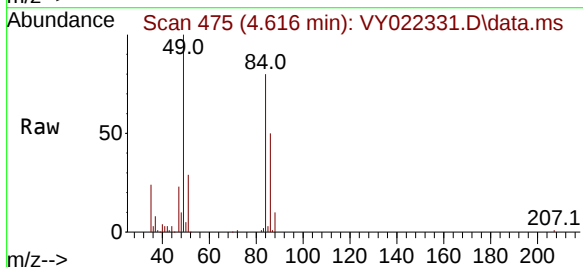
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

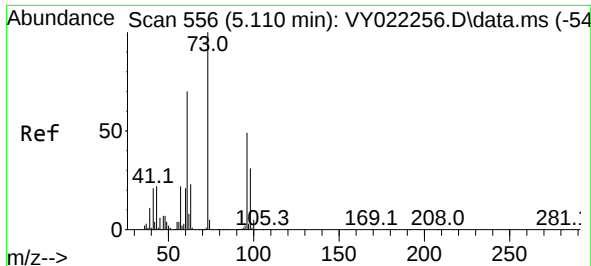
Tgt Ion: 73 Resp: 105578
Ion Ratio Lower Upper
73 100
57 23.4 18.6 28.0



#20
Methylene Chloride
Concen: 20.069 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 84 Resp: 43159
Ion Ratio Lower Upper
84 100
49 125.0 109.6 164.4
51 36.7 32.4 48.6
86 62.4 52.3 78.5

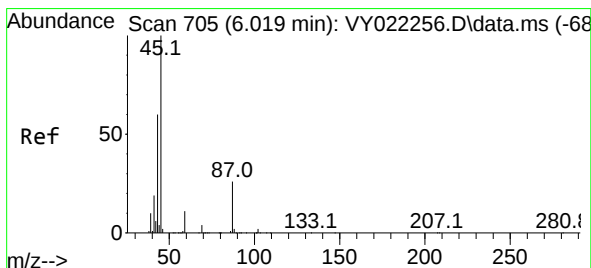
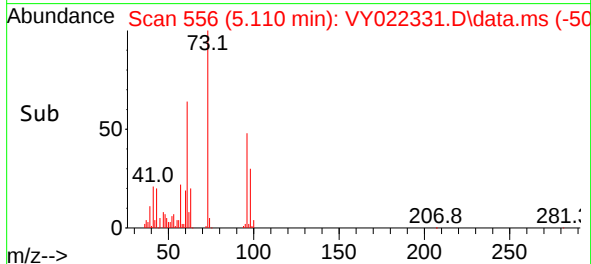
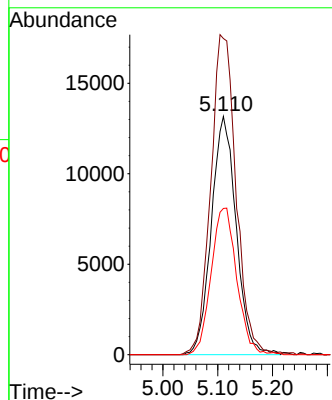
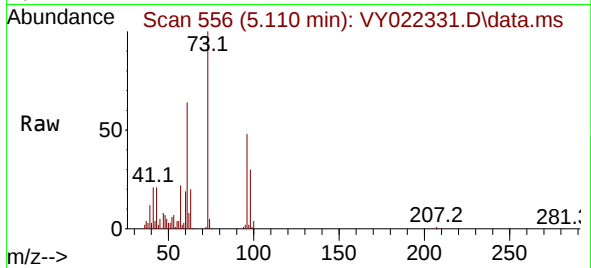




#21
trans-1,2-Dichloroethene
Concen: 21.557 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

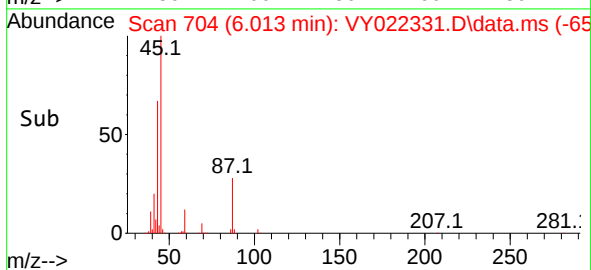
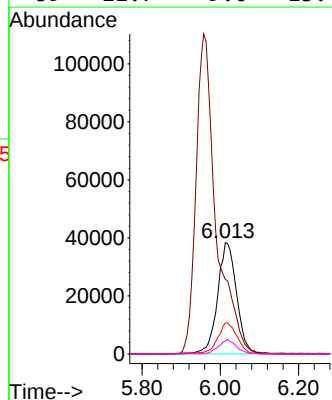
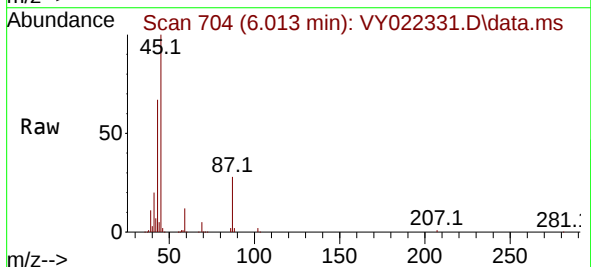
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

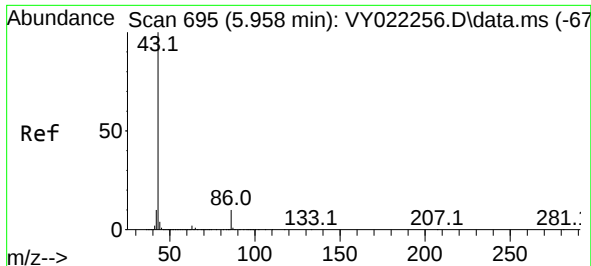
Tgt Ion: 96 Resp: 41335
Ion Ratio Lower Upper
96 100
61 132.6 113.4 170.0
98 61.3 50.9 76.3



#22
Diisopropyl ether
Concen: 20.133 ug/l
RT: 6.013 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 45 Resp: 129506
Ion Ratio Lower Upper
45 100
43 66.5 48.2 72.2
87 27.7 21.4 32.0
59 11.7 9.0 13.4

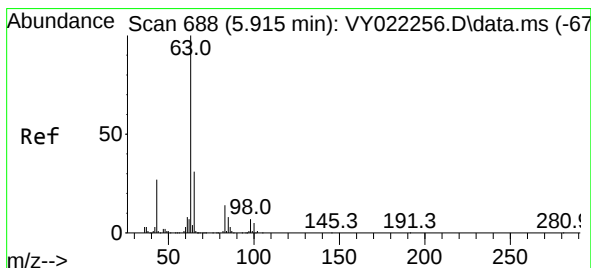
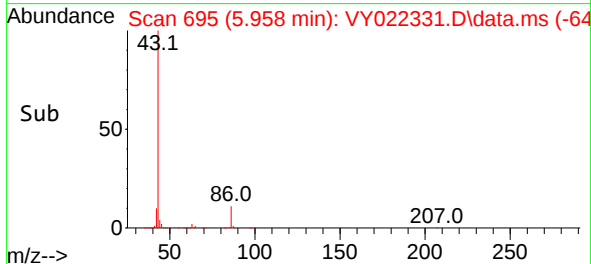
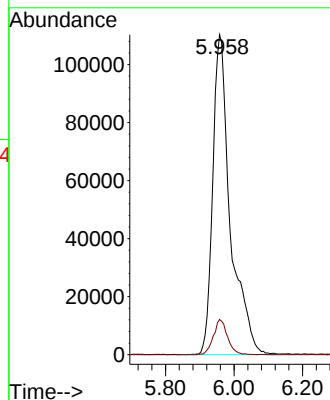
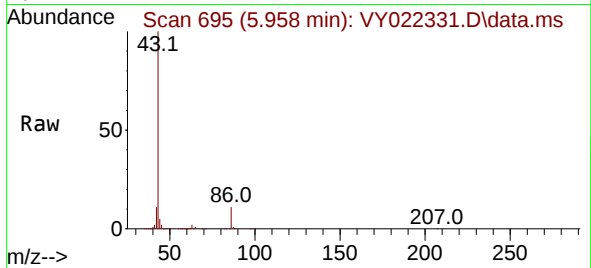




#23
 Vinyl Acetate
 Concen: 101.282 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY022331.D
 Acq: 20 May 2025 10:21

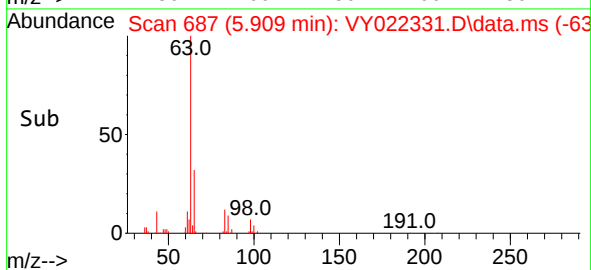
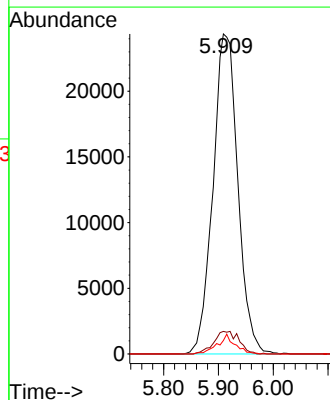
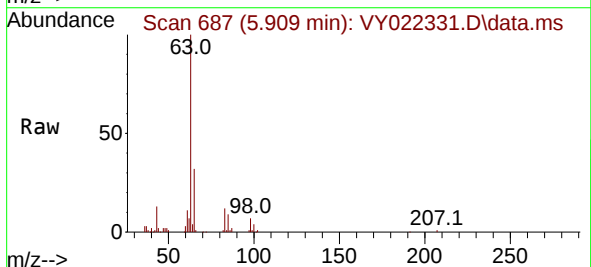
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

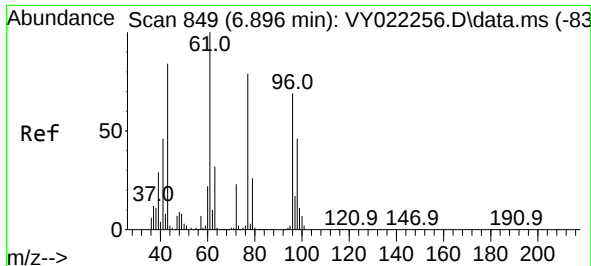
Tgt Ion: 43 Resp: 393589
 Ion Ratio Lower Upper
 43 100
 86 11.0 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 21.359 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. -0.006 min
 Lab File: VY022331.D
 Acq: 20 May 2025 10:21

Tgt Ion: 63 Resp: 76757
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.2 2.4 7.2





#25

2-Butanone

Concen: 102.685 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

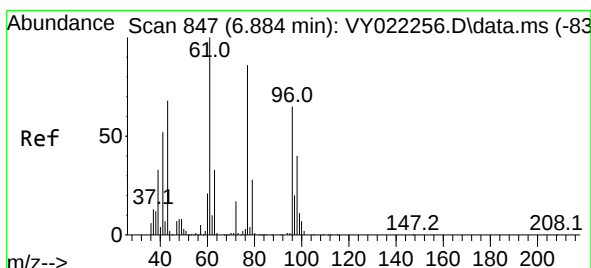
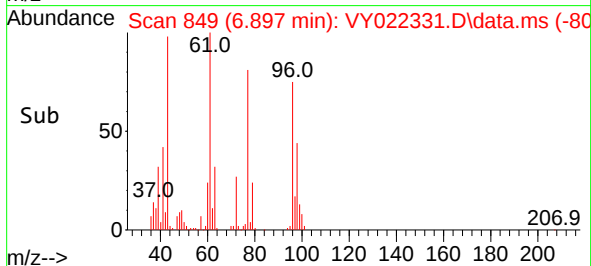
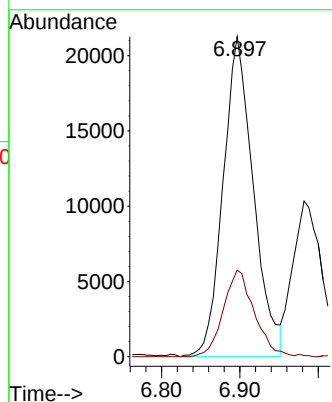
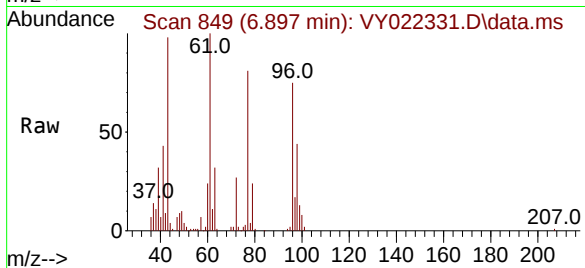
VY0520SBS01

Tgt Ion: 43 Resp: 57164

Ion Ratio Lower Upper

43 100

72 27.0 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.630 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022331.D

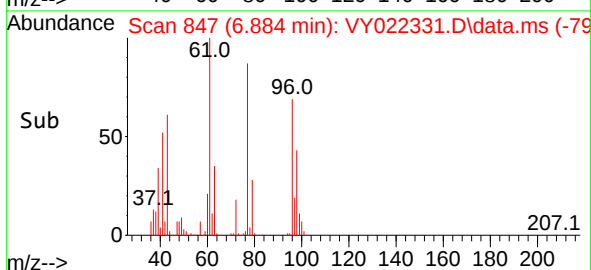
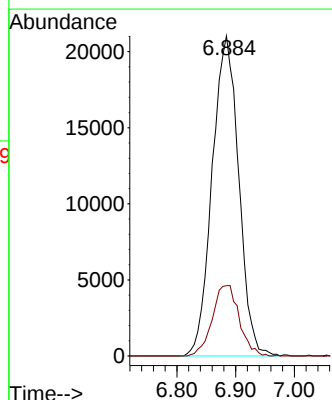
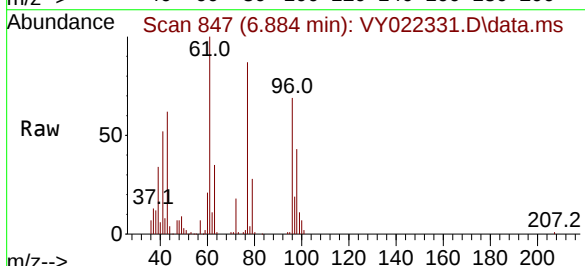
Acq: 20 May 2025 10:21

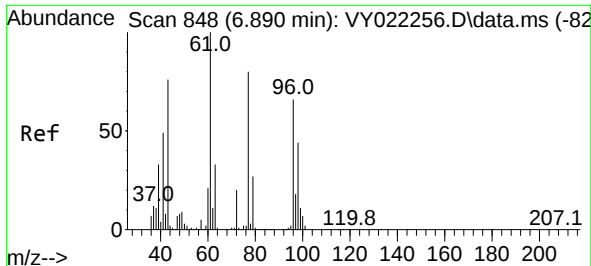
Tgt Ion: 77 Resp: 65941

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5

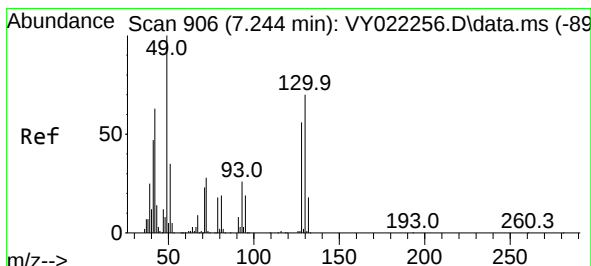
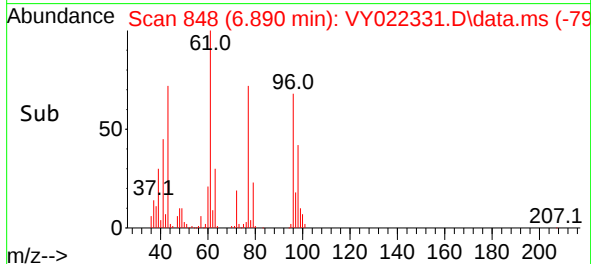
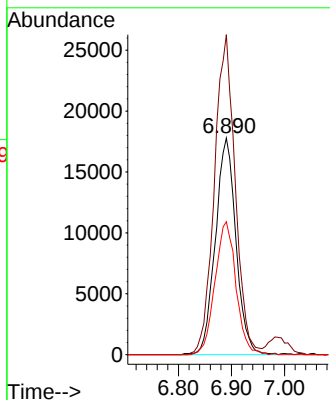
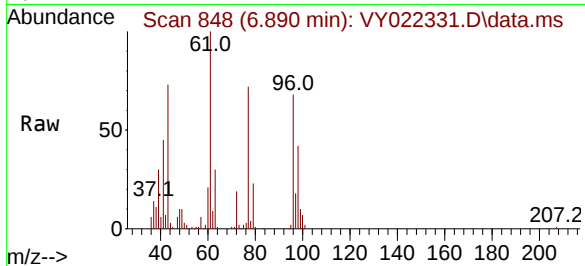




#27
 cis-1,2-Dichloroethene
 Concen: 21.681 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY022331.D
 Acq: 20 May 2025 10:21

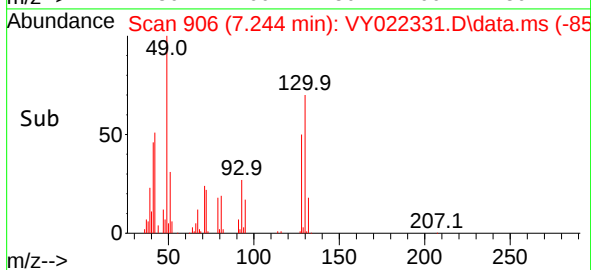
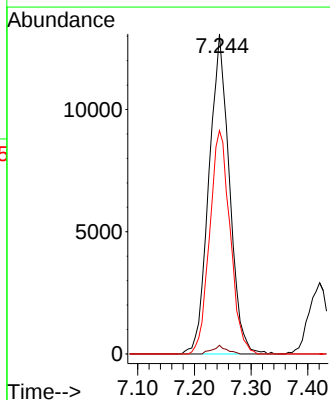
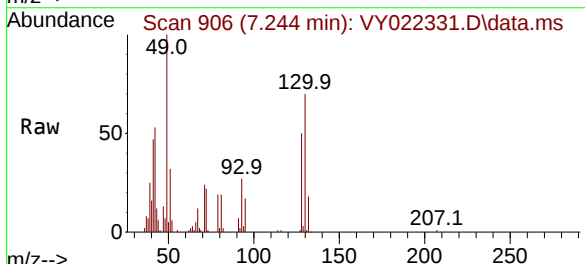
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

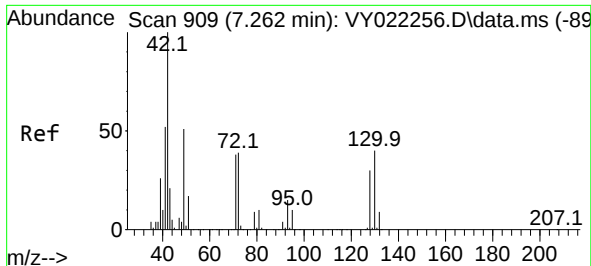
Tgt Ion: 96 Resp: 47974
 Ion Ratio Lower Upper
 96 100
 61 149.4 0.0 302.6
 98 62.6 0.0 128.8



#28
 Bromochloromethane
 Concen: 21.346 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY022331.D
 Acq: 20 May 2025 10:21

Tgt Ion: 49 Resp: 32721
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.6
 130 69.9 54.7 82.1





#29

Tetrahydrofuran

Concen: 107.516 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

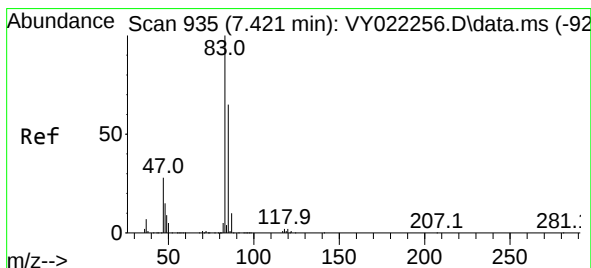
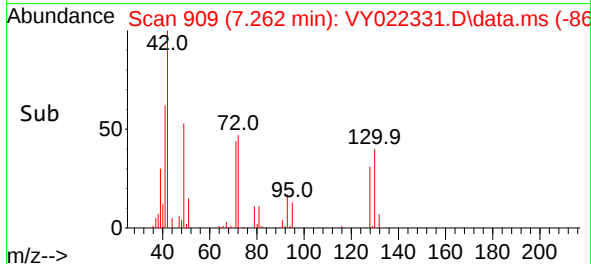
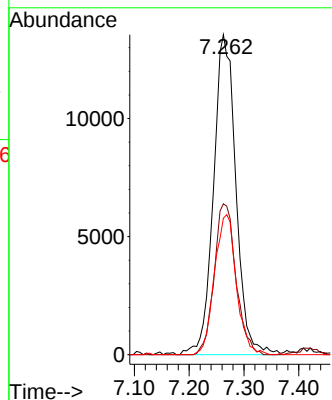
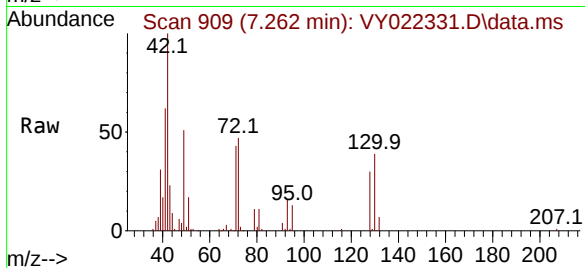
Tgt Ion: 42 Resp: 38507

Ion Ratio Lower Upper

42 100

72 45.7 33.8 50.6

71 42.7 31.5 47.3



#30

Chloroform

Concen: 22.315 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY022331.D

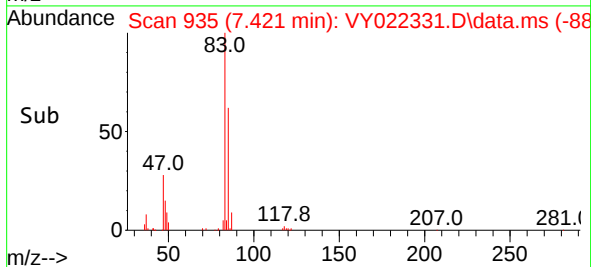
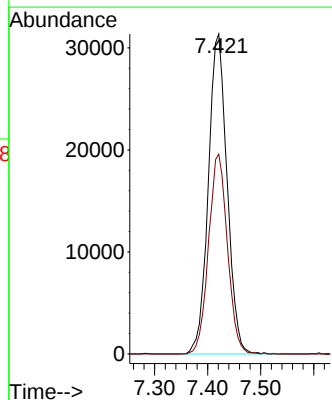
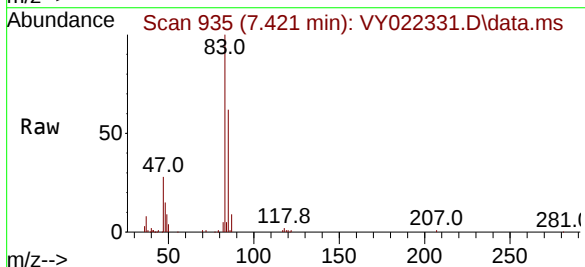
Acq: 20 May 2025 10:21

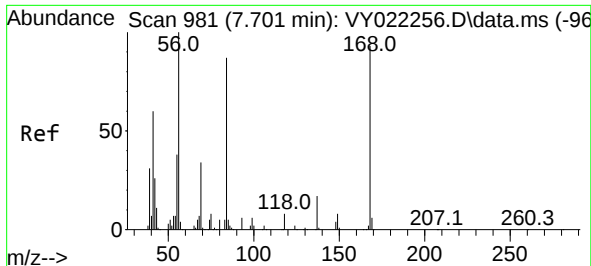
Tgt Ion: 83 Resp: 76921

Ion Ratio Lower Upper

83 100

85 62.4 51.8 77.8

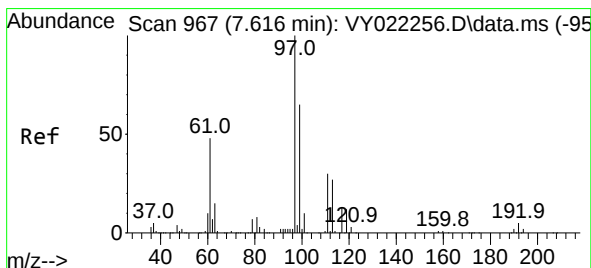
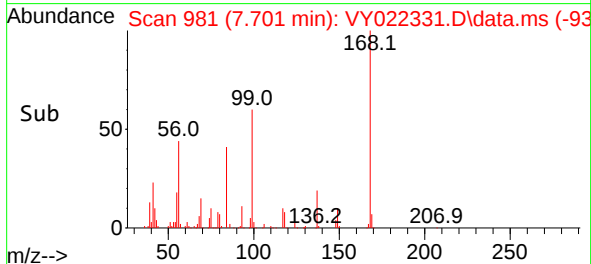
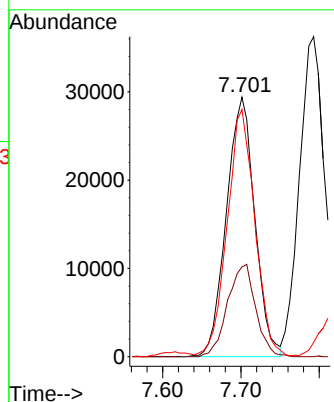
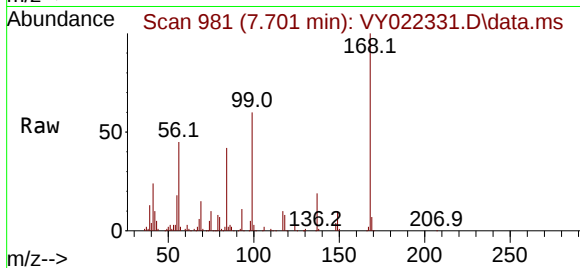




#31
Cyclohexane
Concen: 20.618 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

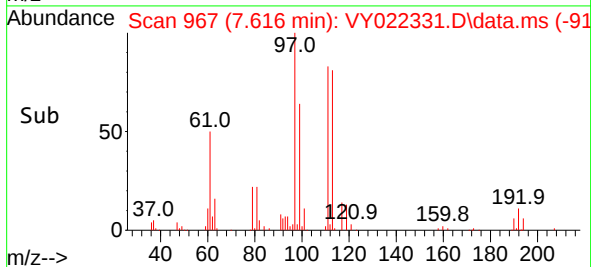
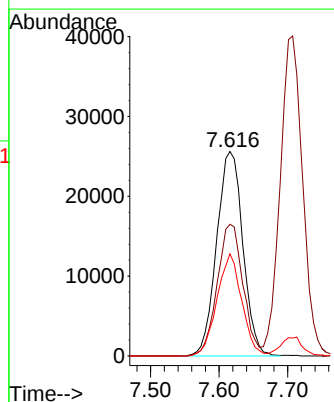
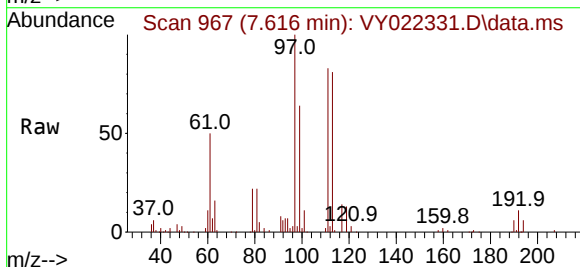
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

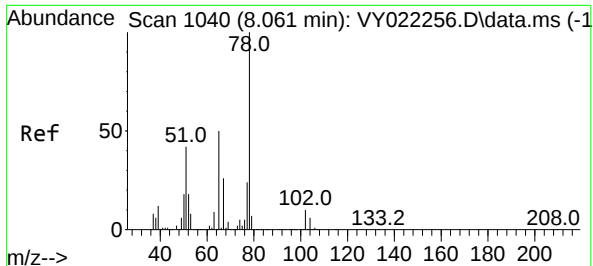
Tgt Ion: 56 Resp: 74031
Ion Ratio Lower Upper
56 100
69 34.6 27.4 41.2
84 93.9 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 21.499 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 97 Resp: 67990
Ion Ratio Lower Upper
97 100
99 63.2 51.4 77.0
61 47.1 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 52.798 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

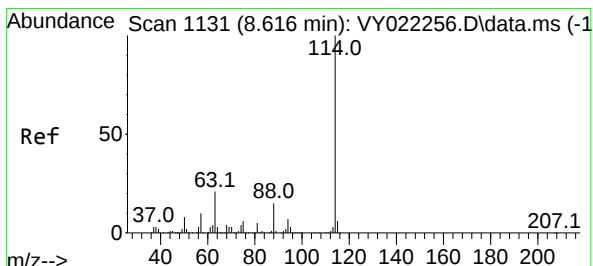
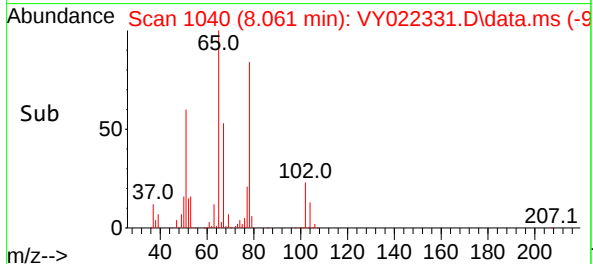
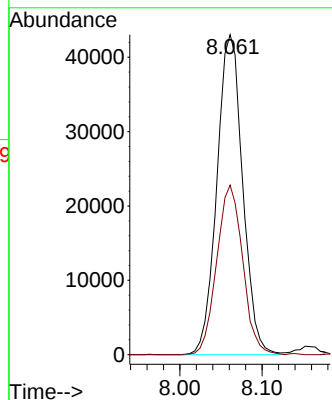
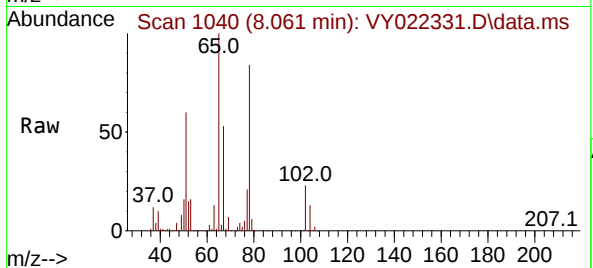
VY0520SBS01

Tgt Ion: 65 Resp: 93712

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

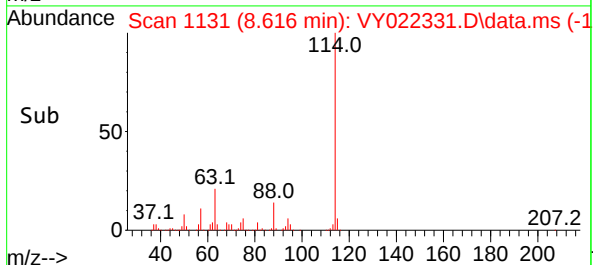
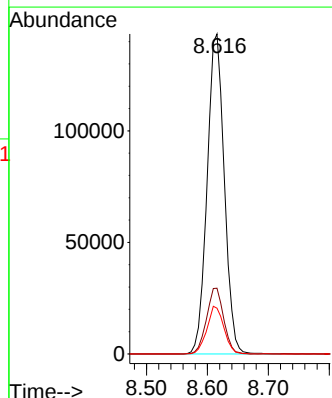
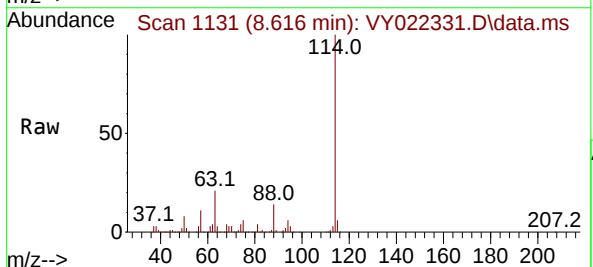
Tgt Ion:114 Resp: 280923

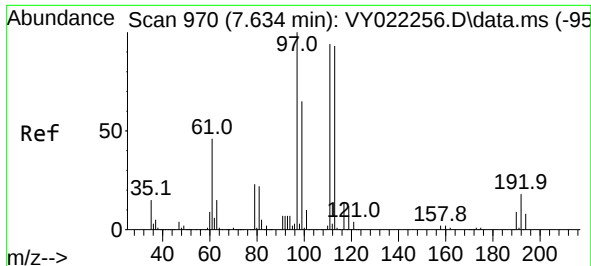
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 14.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.042 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

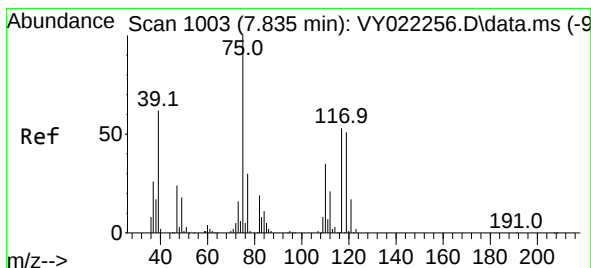
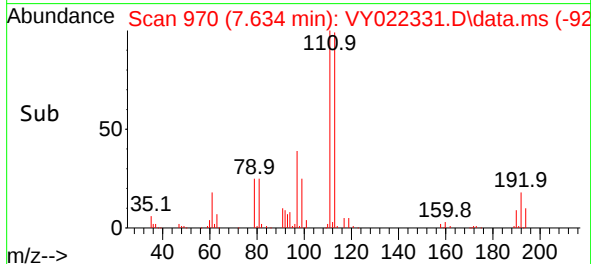
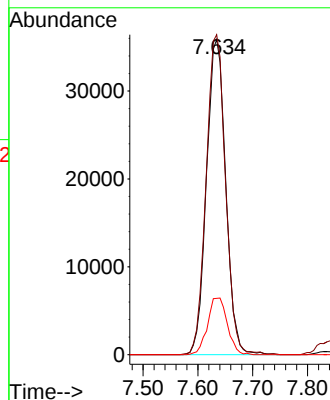
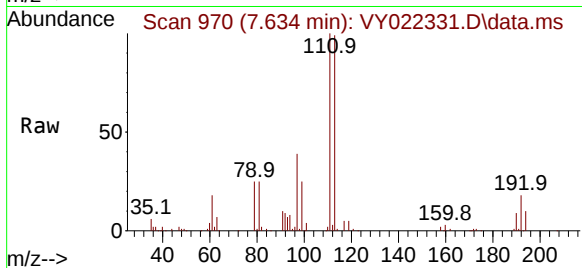
Tgt Ion:113 Resp: 87259

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 18.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 19.586 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

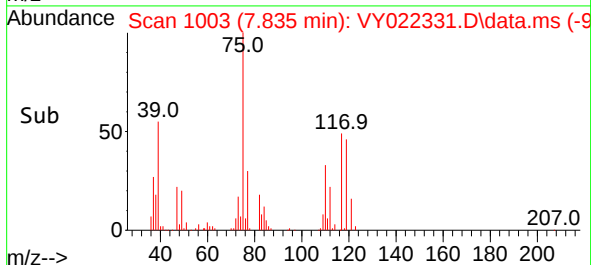
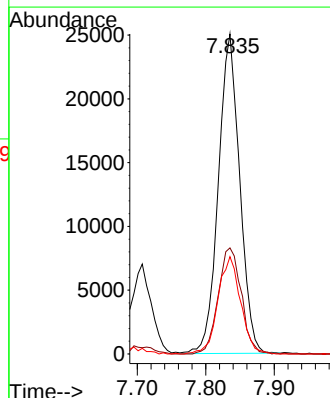
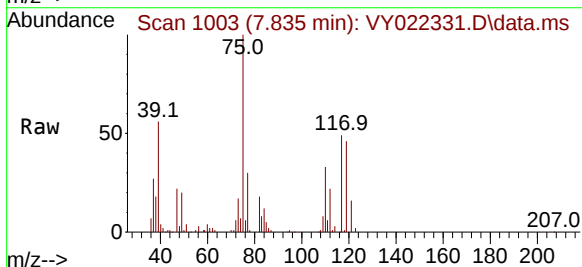
Tgt Ion: 75 Resp: 54092

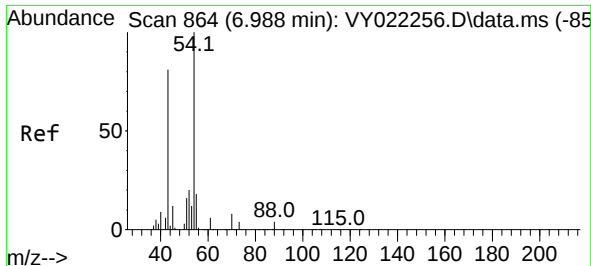
Ion Ratio Lower Upper

75 100

110 35.9 16.6 49.8

77 32.3 24.6 37.0

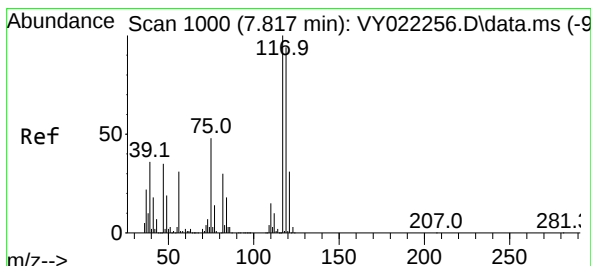
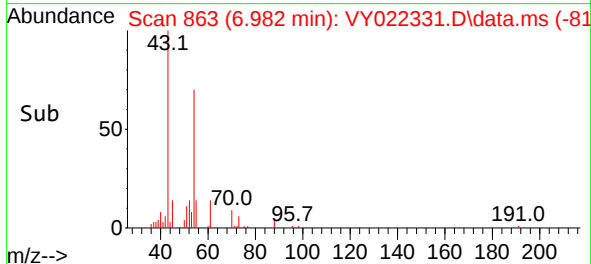
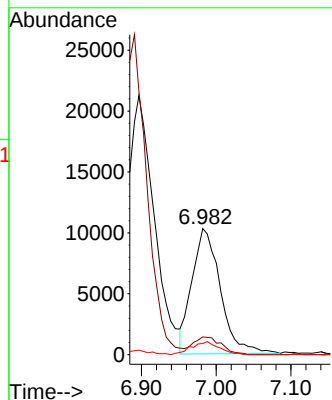
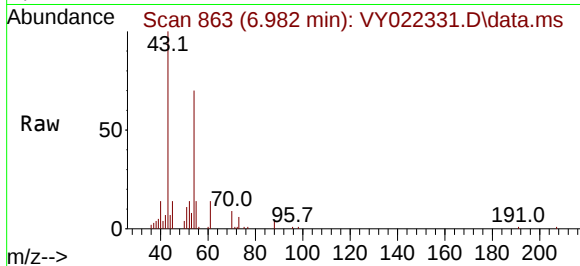




#37
Ethyl Acetate
Concen: 20.496 ug/l
RT: 6.982 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

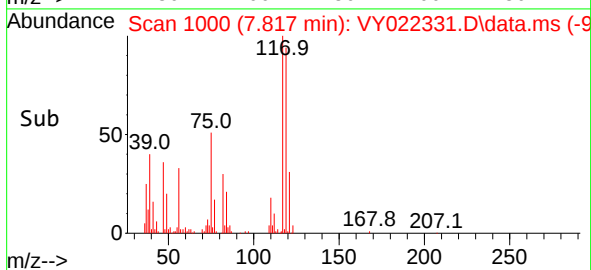
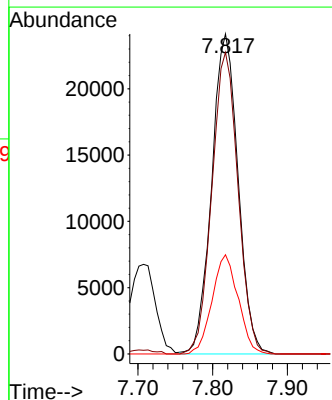
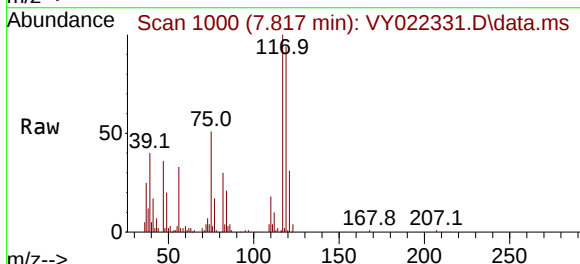
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

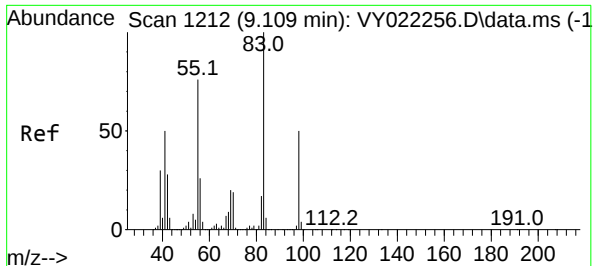
Tgt Ion: 43 Resp: 27235
Ion Ratio Lower Upper
43 100
61 14.0 10.2 15.2
70 10.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.669 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 117 Resp: 59086
Ion Ratio Lower Upper
117 100
119 94.3 75.3 112.9
121 31.0 24.7 37.1





#39

Methylcyclohexane

Concen: 20.432 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

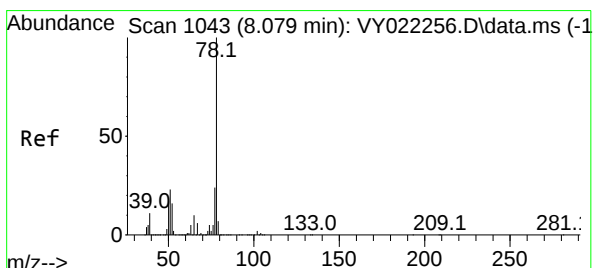
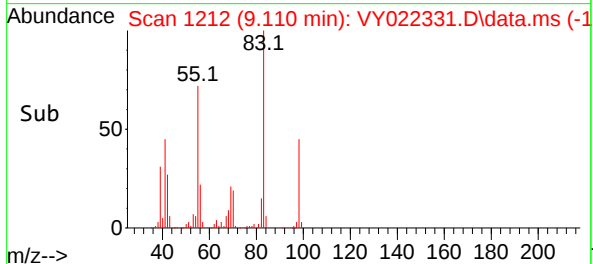
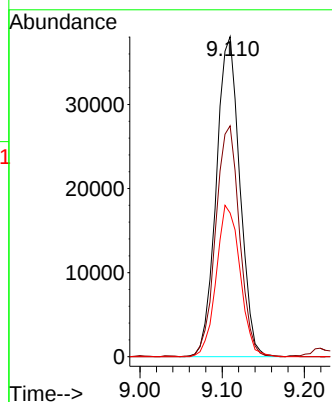
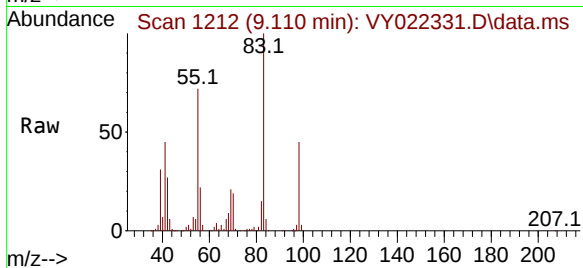
Tgt Ion: 83 Resp: 75810

Ion Ratio Lower Upper

83 100

55 72.1 60.6 90.8

98 44.9 40.0 60.0



#40

Benzene

Concen: 20.845 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY022331.D

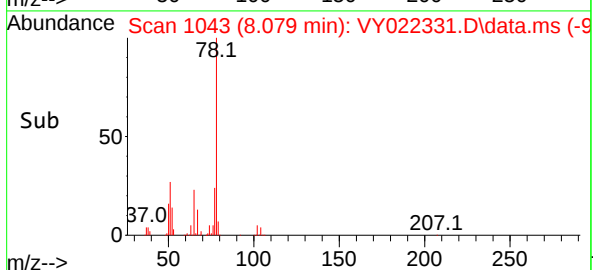
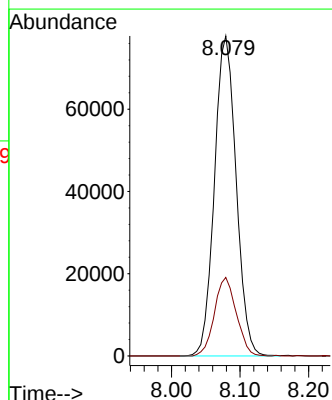
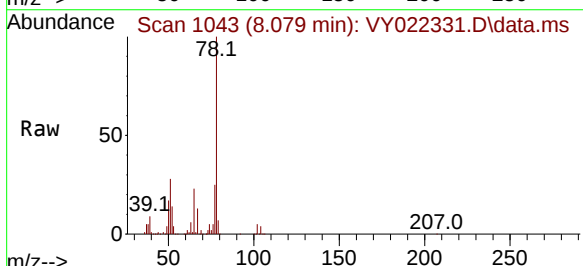
Acq: 20 May 2025 10:21

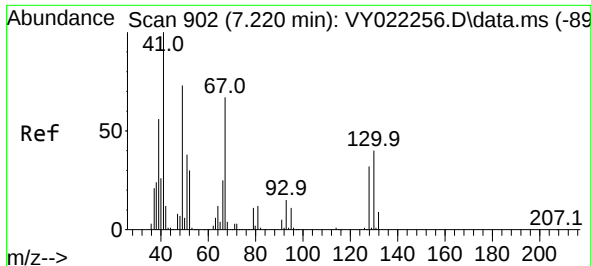
Tgt Ion: 78 Resp: 170661

Ion Ratio Lower Upper

78 100

77 24.6 18.9 28.3

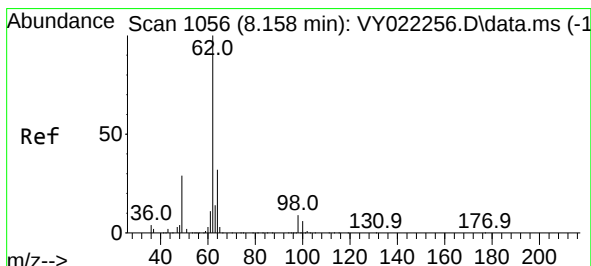
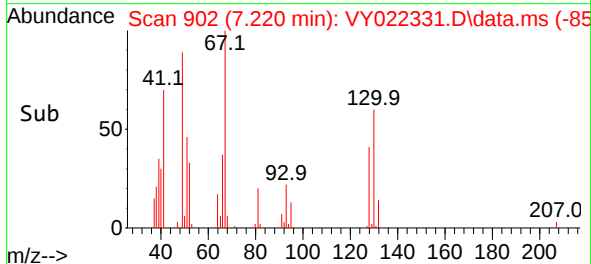
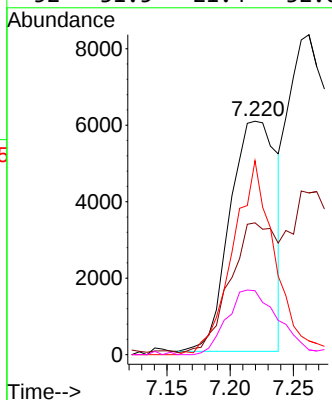
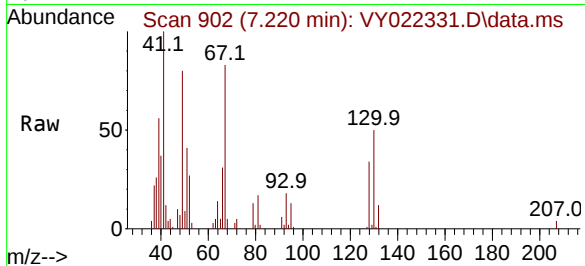




#41
Methacrylonitrile
Concen: 17.453 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

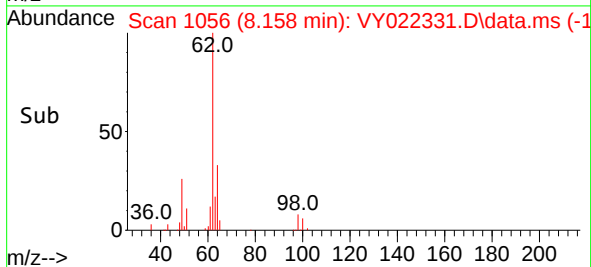
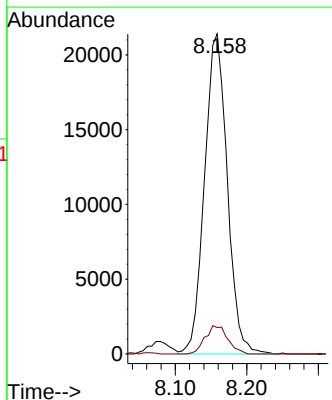
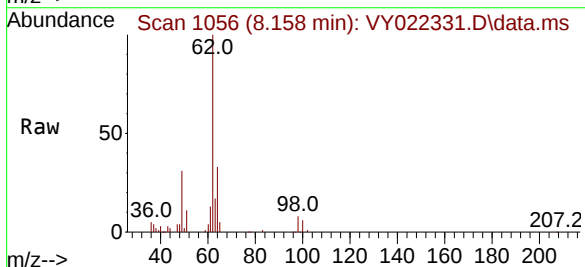
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

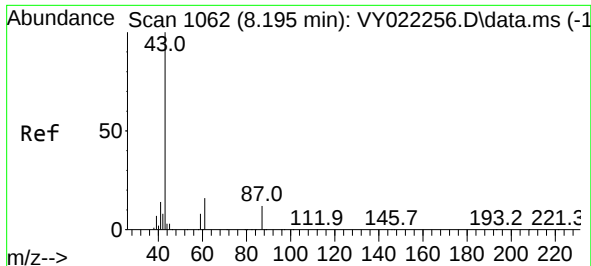
Tgt Ion:	41	Resp:	15384
Ion	Ratio	Lower	Upper
41	100		
39	56.5	39.1	58.7
67	76.9	47.1	70.7
52	31.5	21.4	32.0



#42
1,2-Dichloroethane
Concen: 21.323 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:	62	Resp:	47209
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4

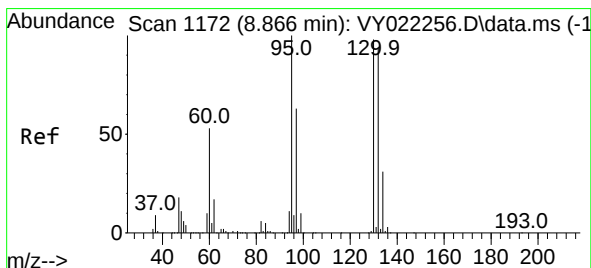
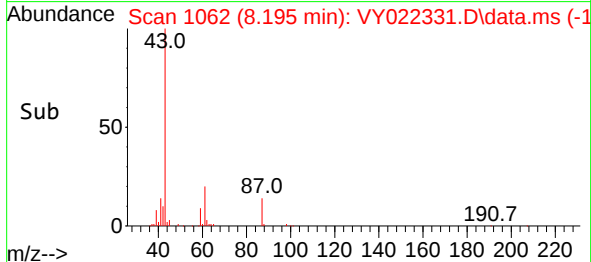
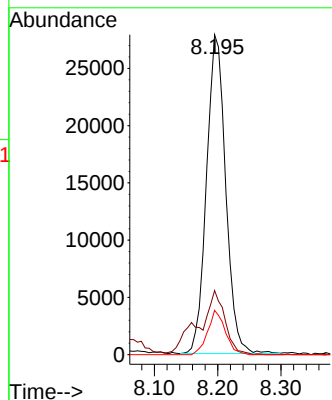
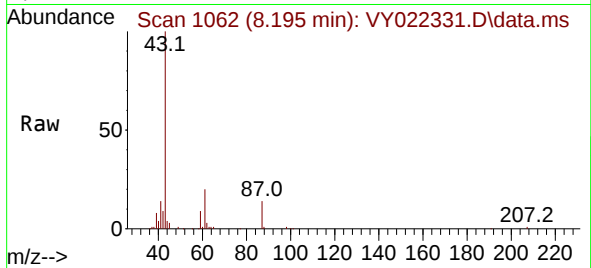




#43
Isopropyl Acetate
Concen: 20.290 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

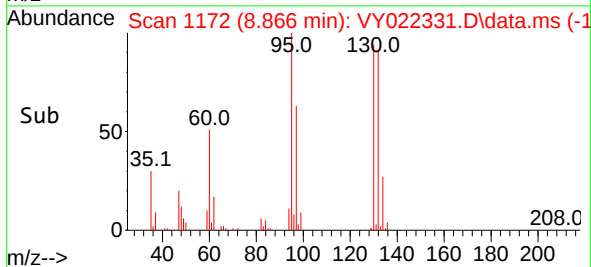
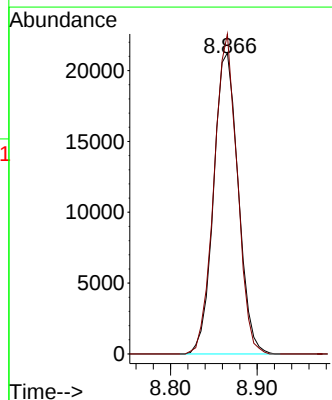
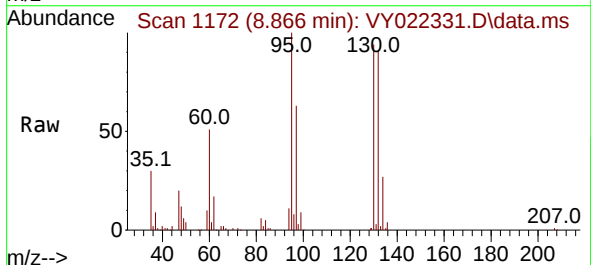
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

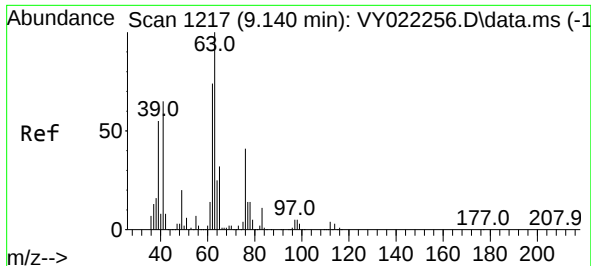
Tgt Ion: 43 Resp: 58799
Ion Ratio Lower Upper
43 100
61 17.5 15.1 22.7
87 12.8 9.7 14.5



#44
Trichloroethene
Concen: 20.573 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:130 Resp: 41880
Ion Ratio Lower Upper
130 100
95 106.3 0.0 204.8





#45

1,2-Dichloropropane

Concen: 20.374 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

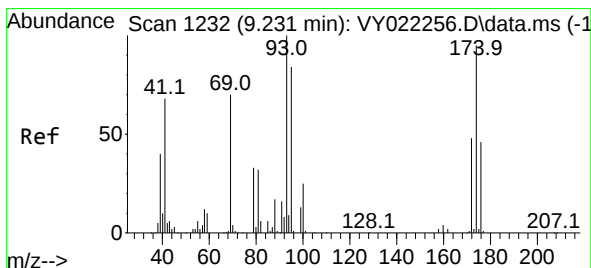
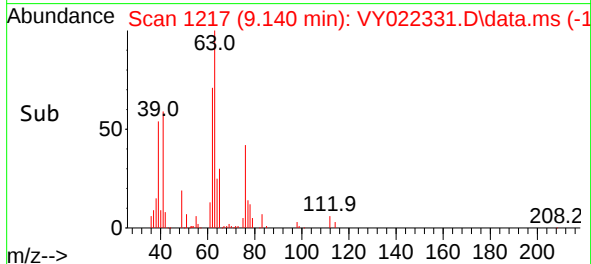
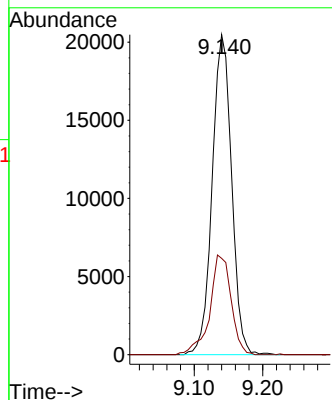
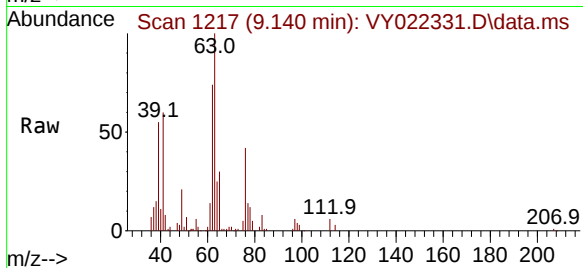
VY0520SBS01

Tgt Ion: 63 Resp: 40216

Ion Ratio Lower Upper

63 100

65 29.8 25.7 38.5



#46

Dibromomethane

Concen: 21.490 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

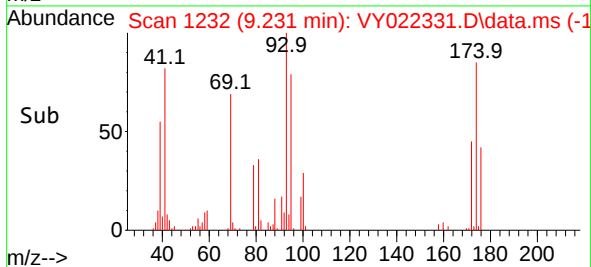
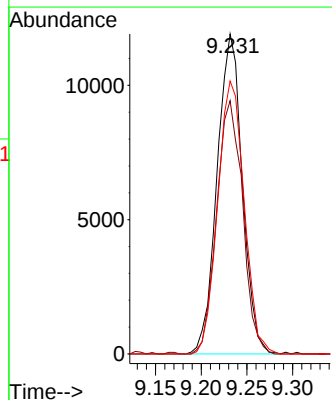
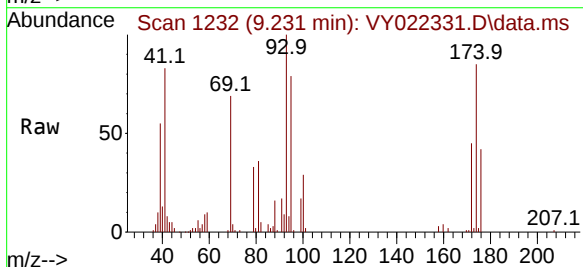
Tgt Ion: 93 Resp: 22879

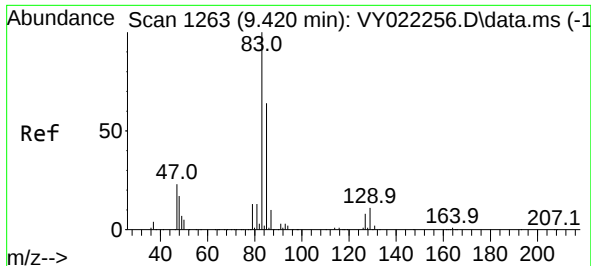
Ion Ratio Lower Upper

93 100

95 81.4 65.2 97.8

174 89.3 74.3 111.5

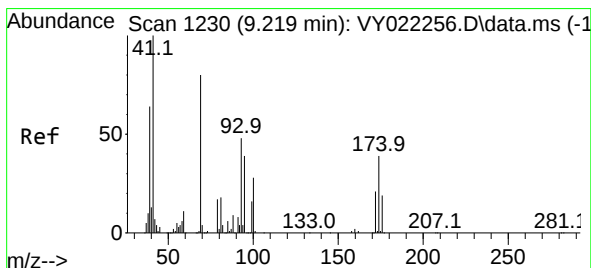
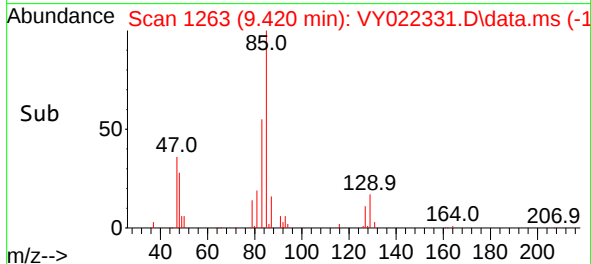
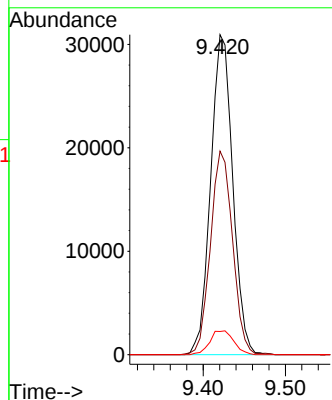
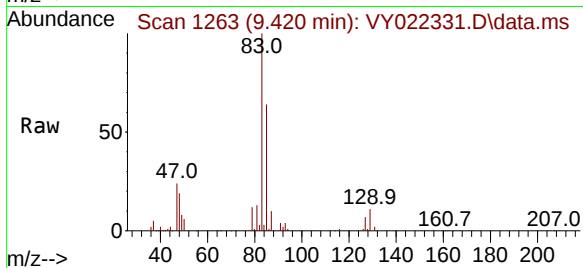




#47
Bromodichloromethane
Concen: 20.869 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

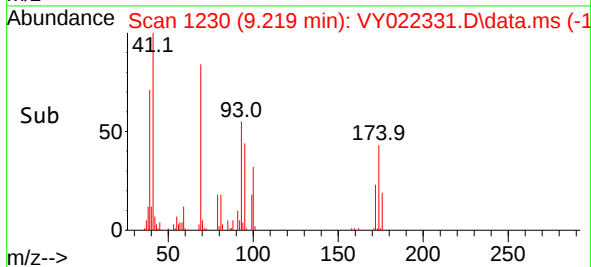
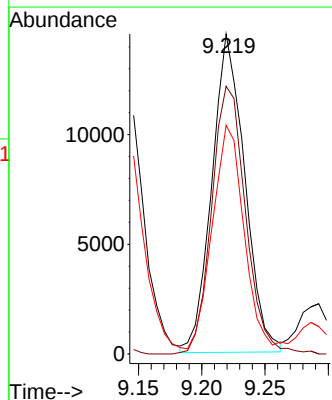
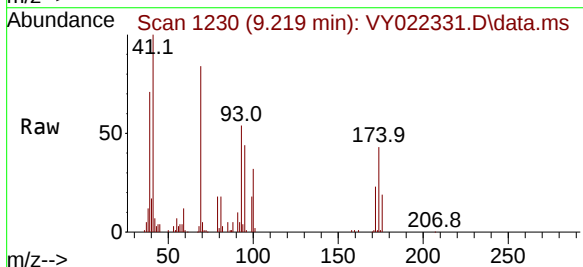
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

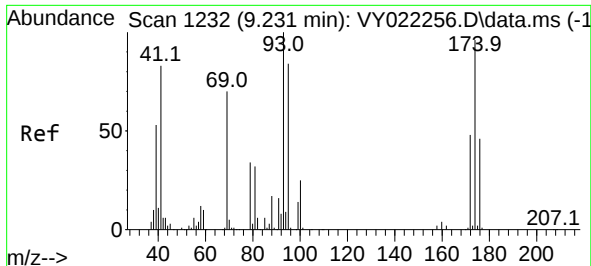
Tgt Ion:	83	Resp:	57637
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7
127	7.2	6.6	10.0



#48
Methyl methacrylate
Concen: 19.286 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:	41	Resp:	26138
Ion	Ratio	Lower	Upper
41	100		
69	87.1	63.5	95.3
39	68.2	50.8	76.2

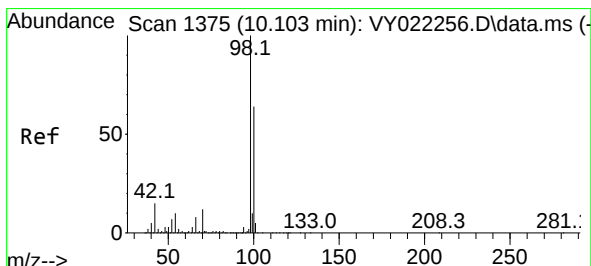
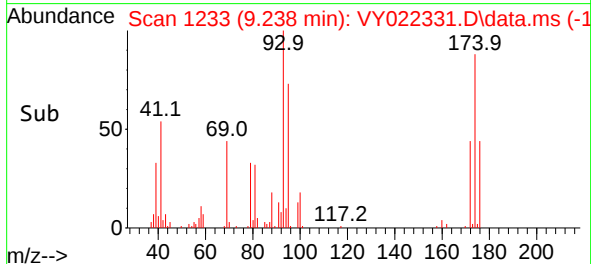
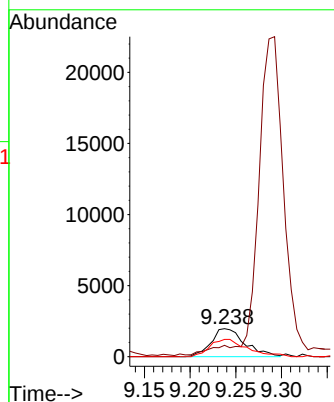
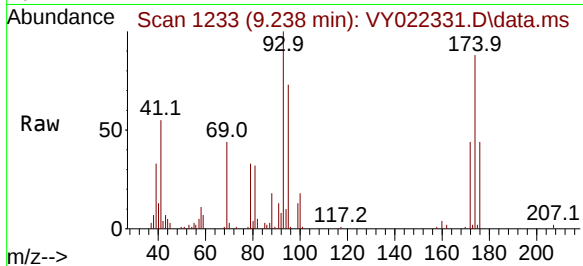




#49
1,4-Dioxane
Concen: 422.215 ug/l
RT: 9.238 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

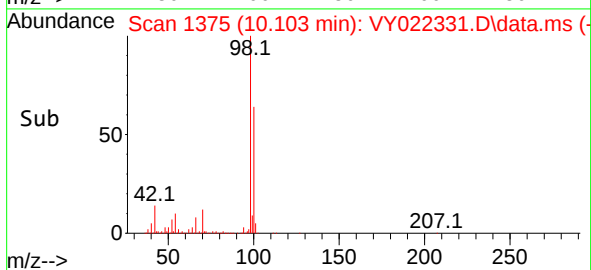
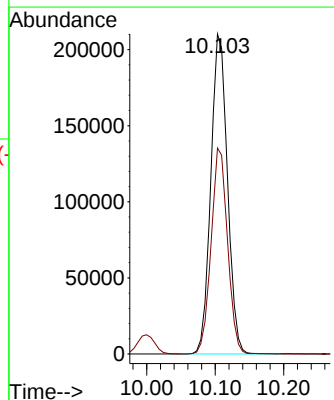
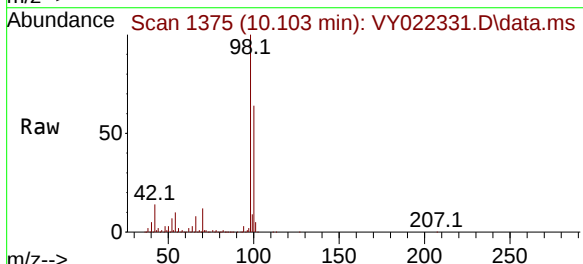
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

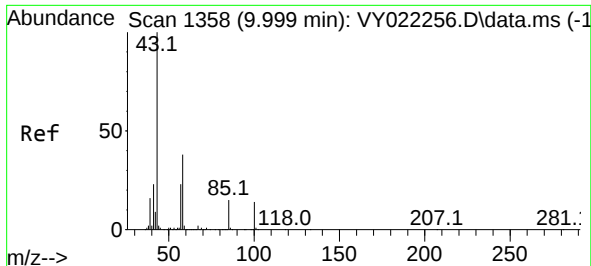
Tgt Ion: 88 Resp: 5078
Ion Ratio Lower Upper
88 100
43 26.4 28.5 42.7#
58 68.2 61.4 92.2



#50
Toluene-d8
Concen: 51.531 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 98 Resp: 353867
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8

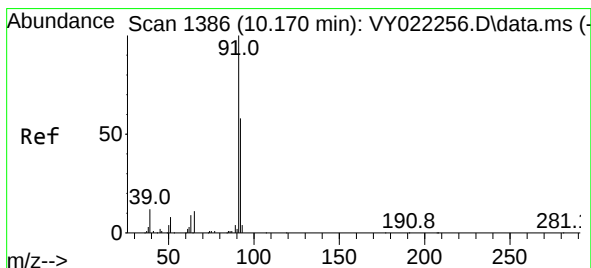
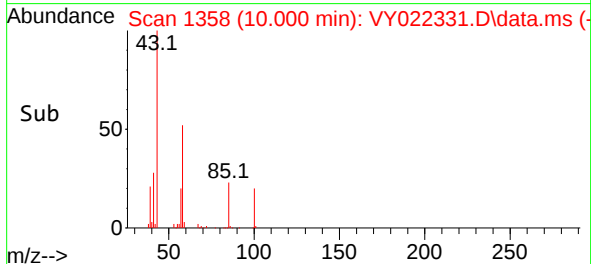
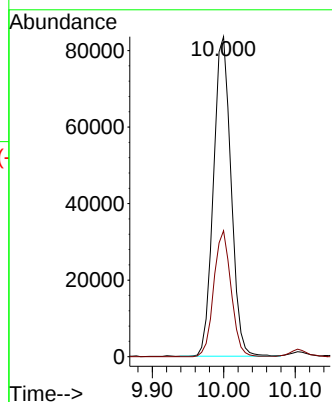
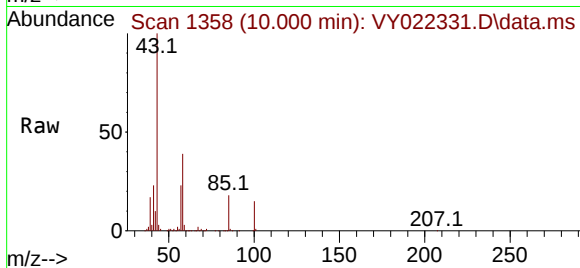




#51
4-Methyl-2-Pentanone
Concen: 100.263 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

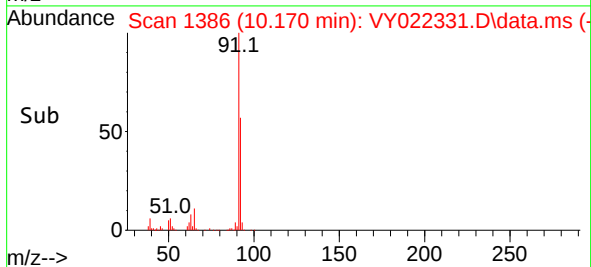
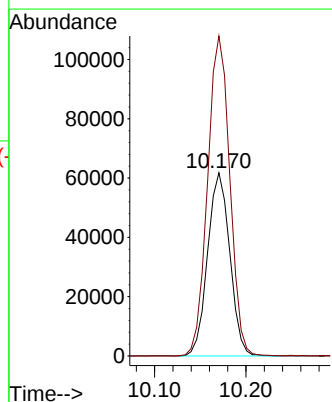
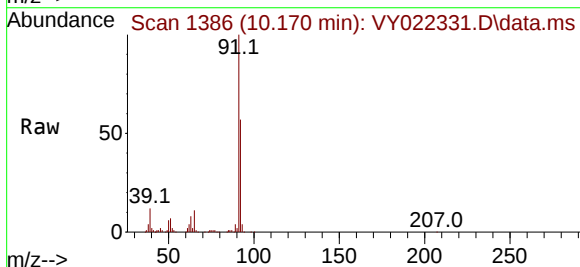
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

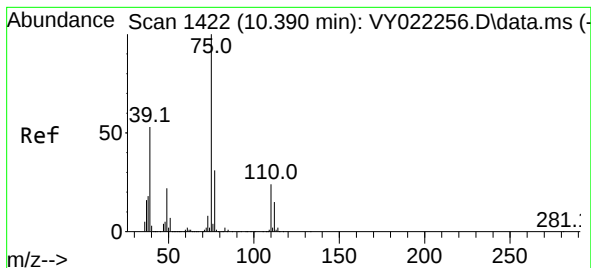
Tgt Ion: 43 Resp: 142570
Ion Ratio Lower Upper
43 100
58 38.8 29.4 44.2



#52
Toluene
Concen: 20.038 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 92 Resp: 103885
Ion Ratio Lower Upper
92 100
91 175.3 139.1 208.7

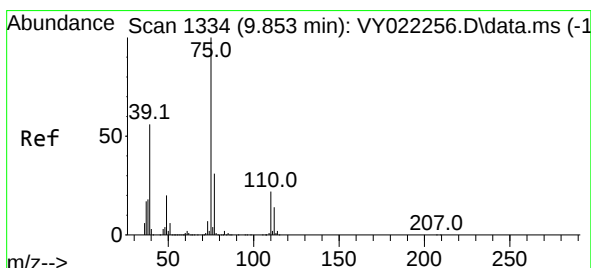
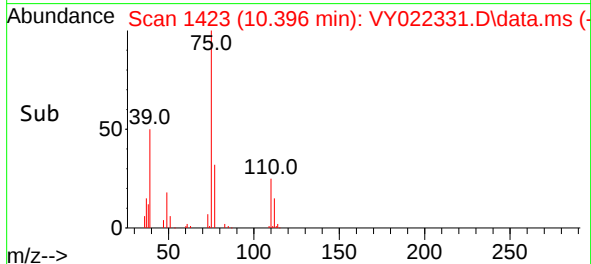
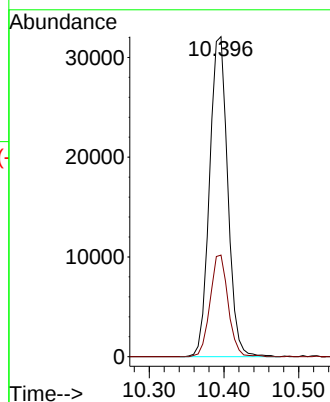
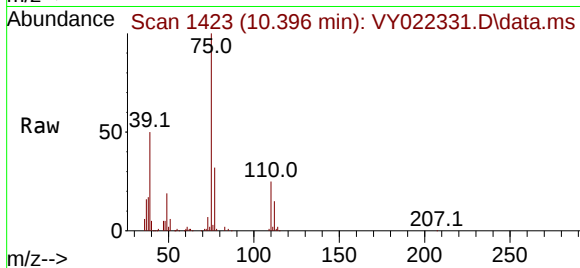




#53
t-1,3-Dichloropropene
Concen: 20.090 ug/l
RT: 10.396 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

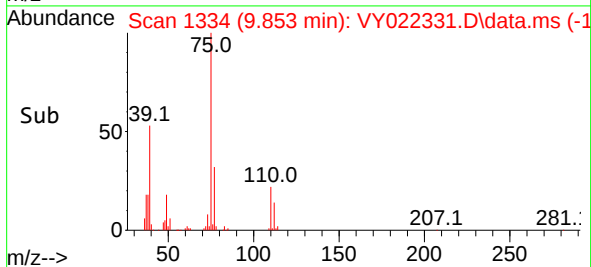
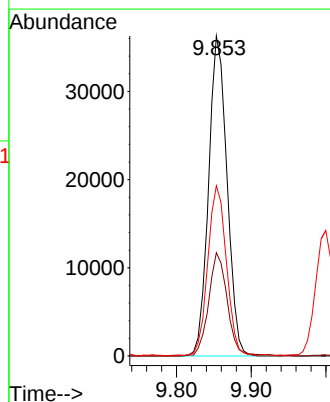
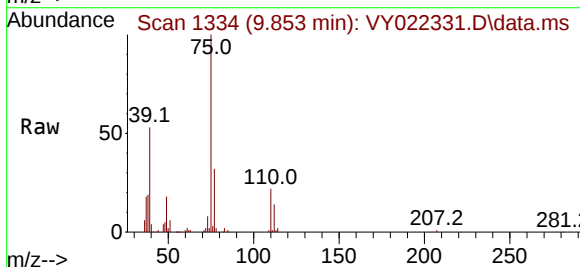
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

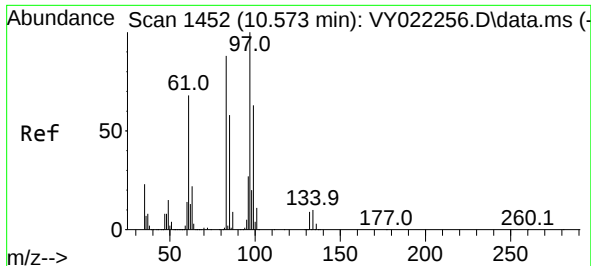
Tgt Ion: 75 Resp: 54150
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 20.174 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 75 Resp: 62298
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7
39 52.9 44.5 66.7

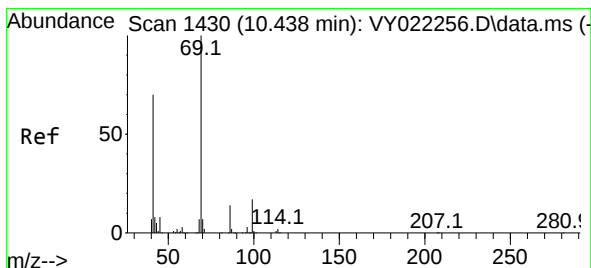
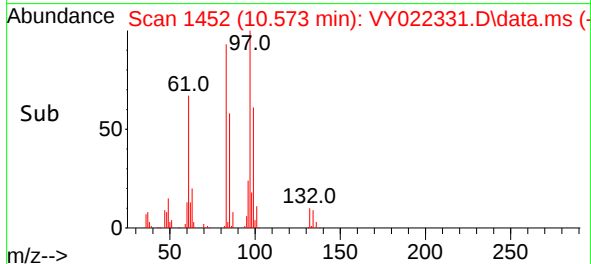
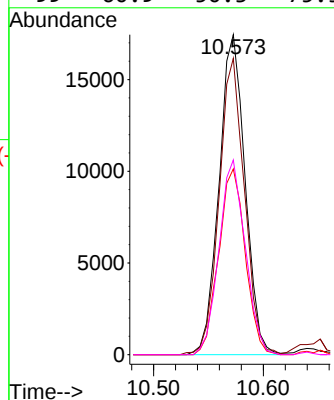
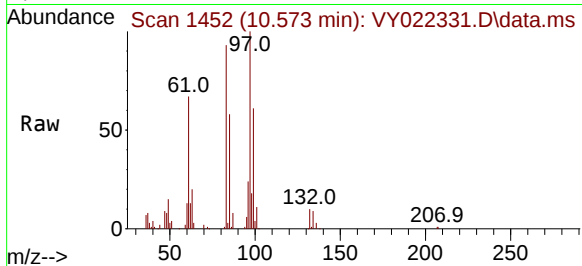




#55
1,1,2-Trichloroethane
Concen: 21.126 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

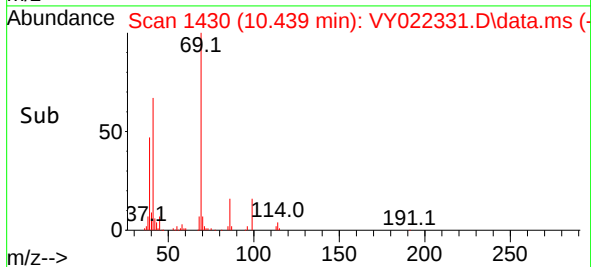
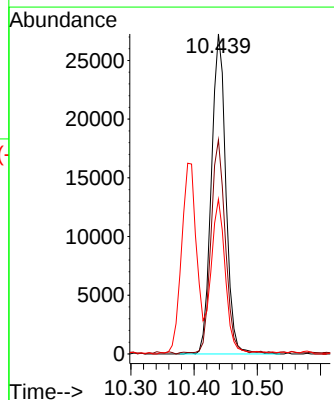
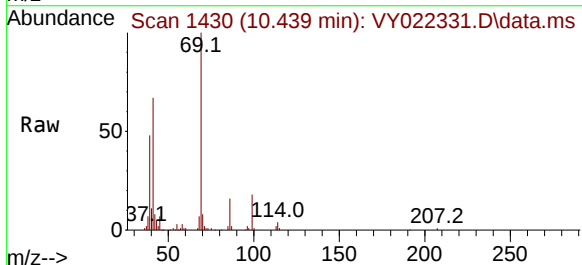
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

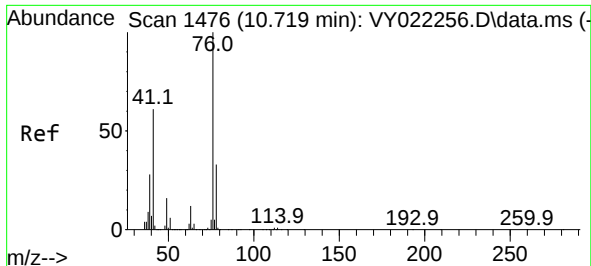
Tgt Ion: 97	Resp: 28800
Ion Ratio	Lower Upper
97 100	
83 92.6	70.3 105.5
85 58.0	46.2 69.4
99 60.9	50.3 75.5



#56
Ethyl methacrylate
Concen: 20.452 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 69	Resp: 43432
Ion Ratio	Lower Upper
69 100	
41 65.1	56.5 84.7
39 46.1	37.1 55.7





#57

1,3-Dichloropropane

Concen: 21.060 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

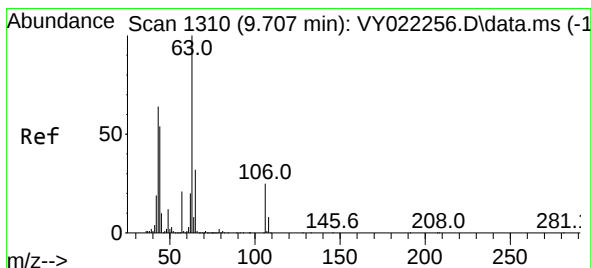
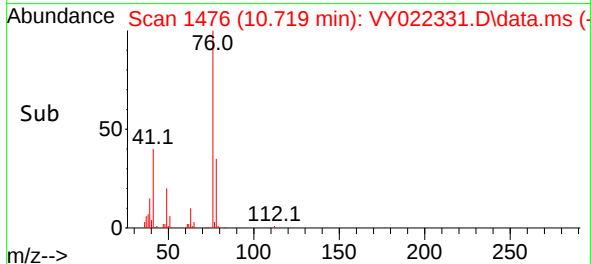
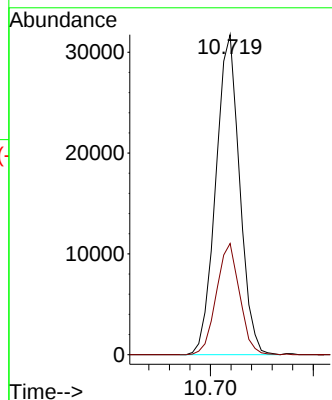
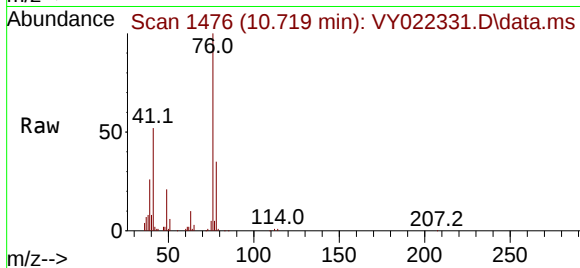
VY0520SBS01

Tgt Ion: 76 Resp: 51011

Ion Ratio Lower Upper

76 100

78 33.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 87.855 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY022331.D

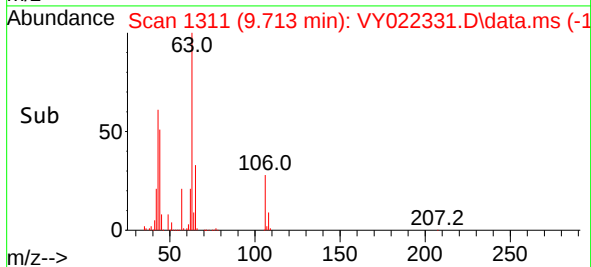
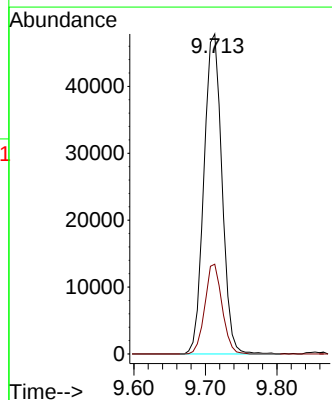
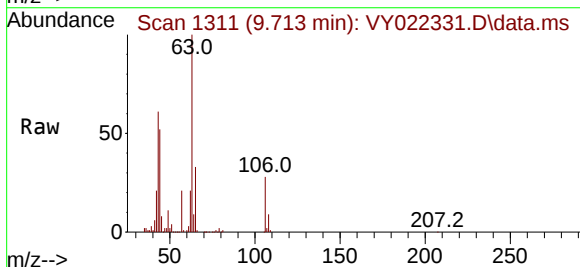
Acq: 20 May 2025 10:21

Tgt Ion: 63 Resp: 83740

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.4

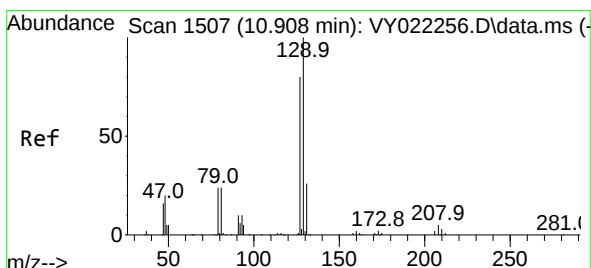
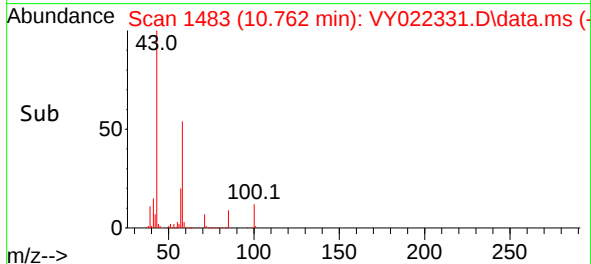
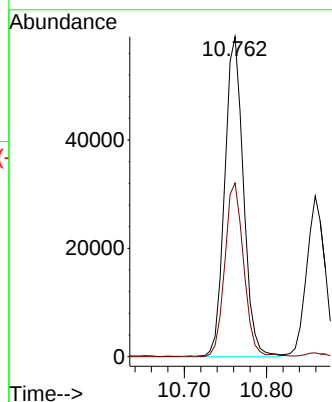
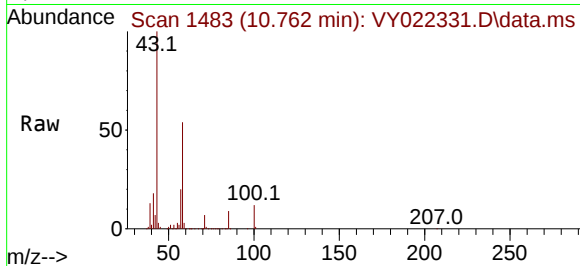




#59
2-Hexanone
Concen: 97.733 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

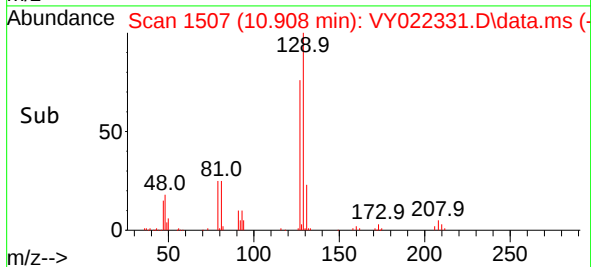
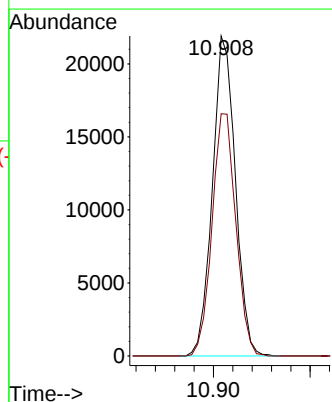
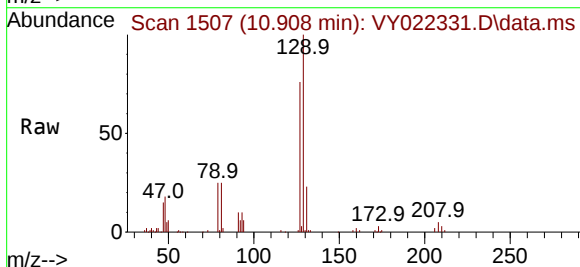
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

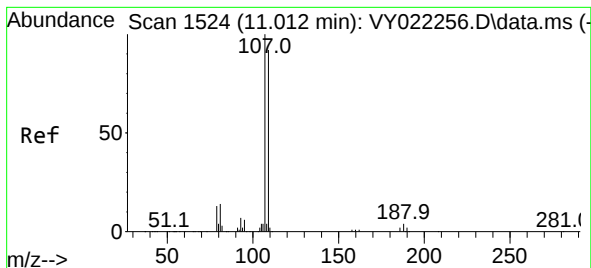
Tgt Ion: 43 Resp: 93178
Ion Ratio Lower Upper
43 100
58 55.0 26.1 78.3



#60
Dibromochloromethane
Concen: 20.369 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 129 Resp: 36043
Ion Ratio Lower Upper
129 100
127 78.7 38.6 115.7

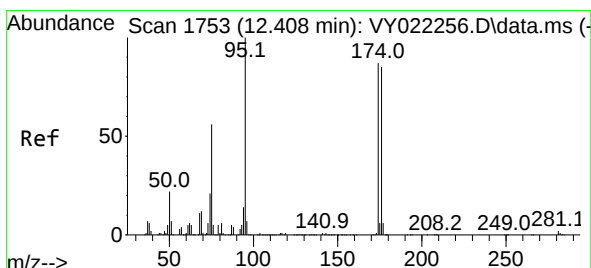
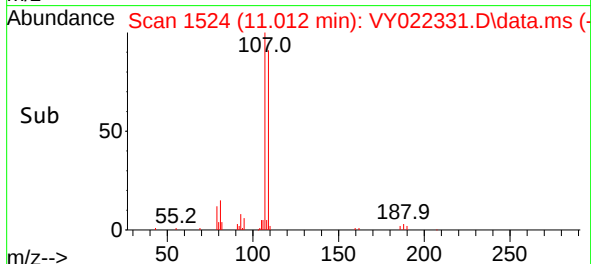
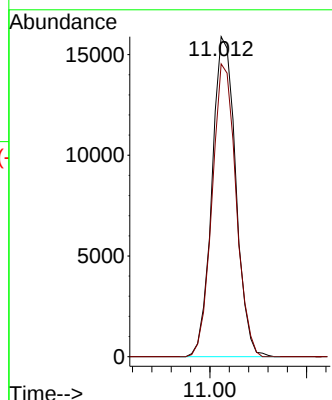
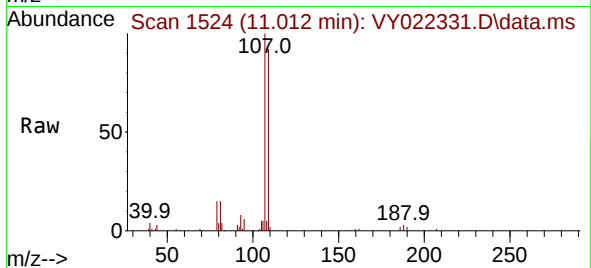




#61
1,2-Dibromoethane
Concen: 21.277 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

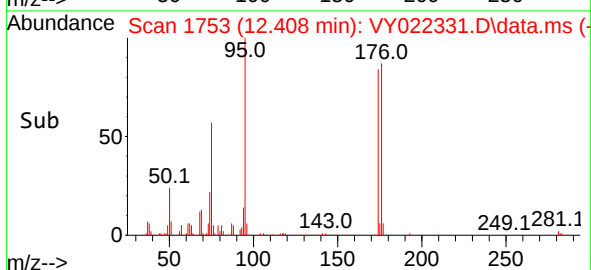
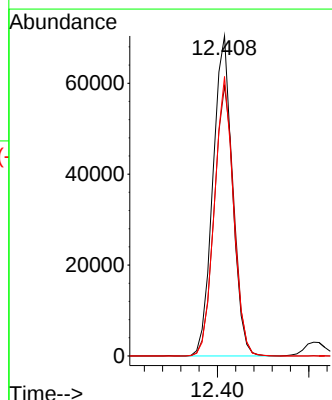
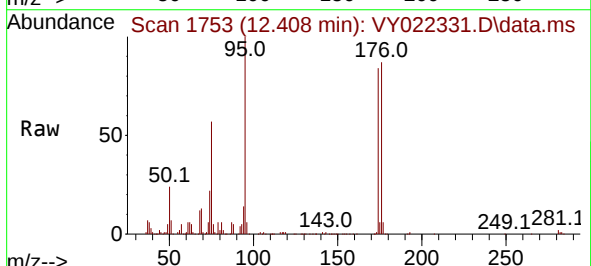
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

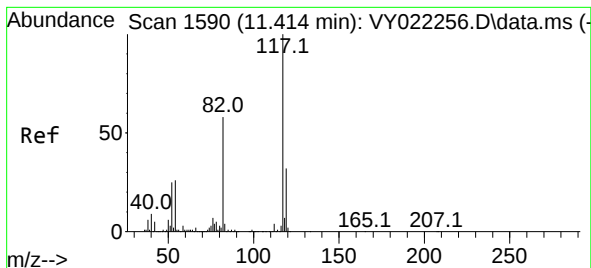
Tgt Ion:107 Resp: 27035
Ion Ratio Lower Upper
107 100
109 92.1 74.6 111.8



#62
4-Bromofluorobenzene
Concen: 47.707 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 95 Resp: 103841
Ion Ratio Lower Upper
95 100
174 86.0 0.0 166.8
176 85.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

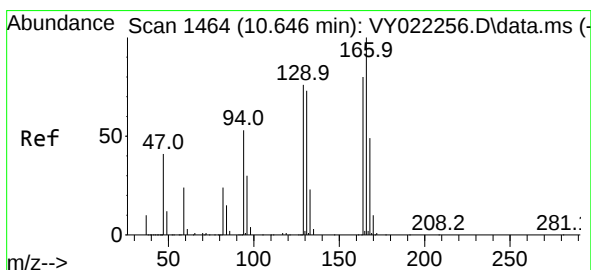
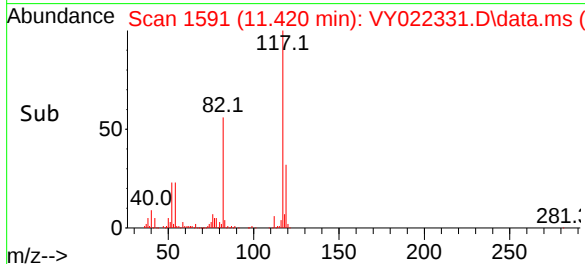
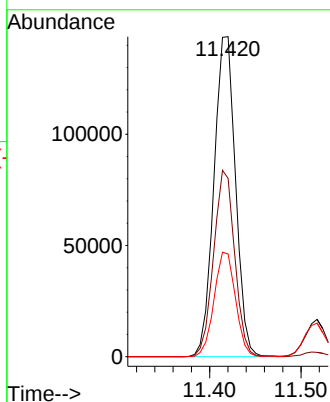
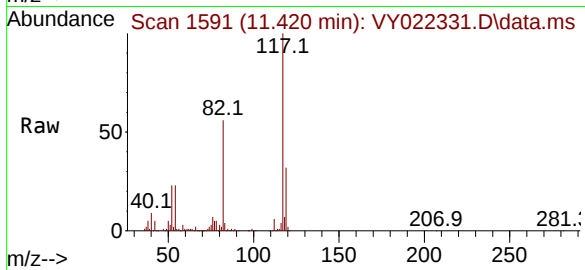
Tgt Ion:117 Resp: 236555

Ion Ratio Lower Upper

117 100

82 55.7 46.6 70.0

119 32.1 25.8 38.6



#64

Tetrachloroethene

Concen: 21.554 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Tgt Ion:164 Resp: 47128

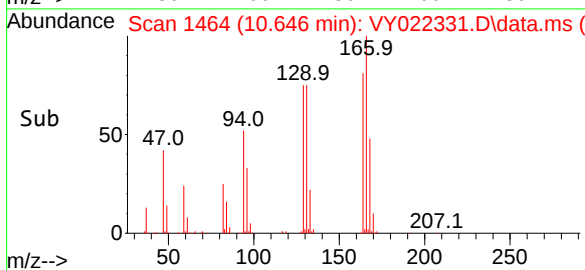
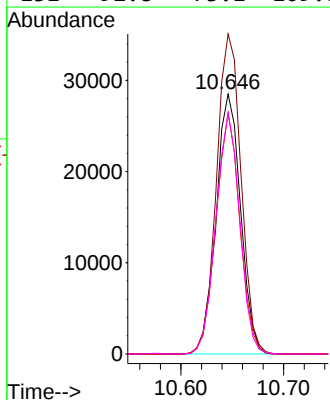
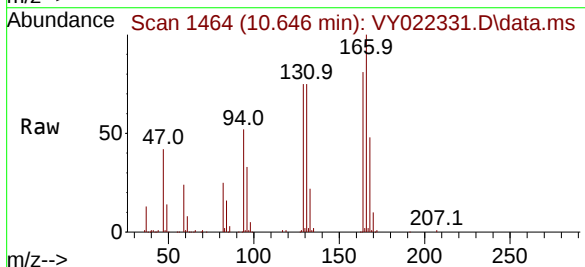
Ion Ratio Lower Upper

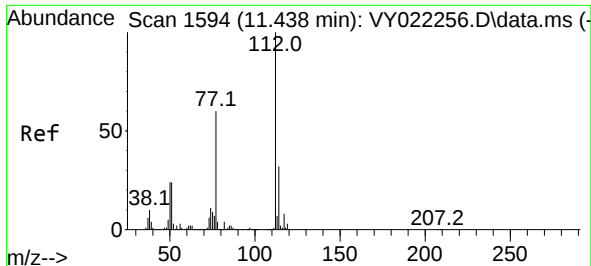
164 100

166 123.1 100.4 150.6

129 92.7 76.4 114.6

131 92.8 73.1 109.7

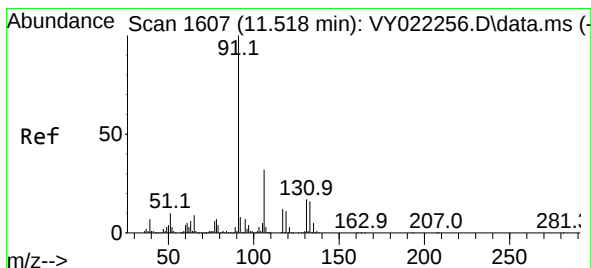
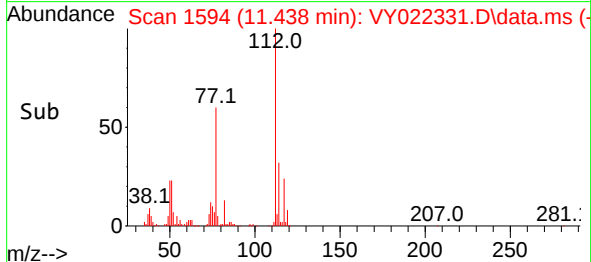
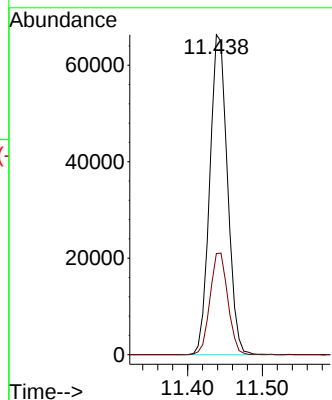
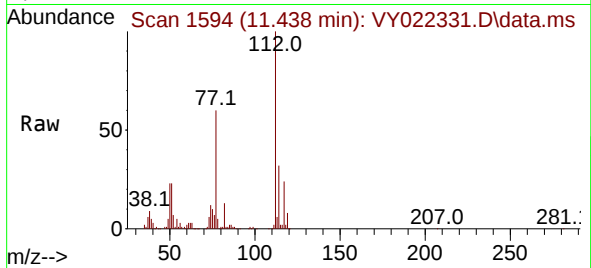




#65
Chlorobenzene
Concen: 20.477 ug/l
RT: 11.438 min Scan# 111
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

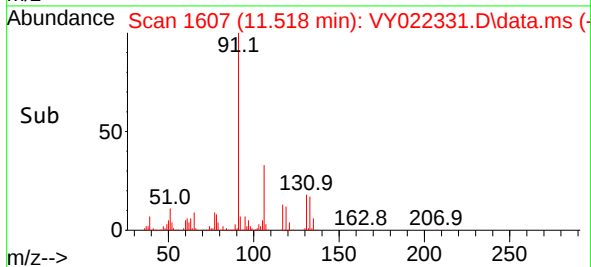
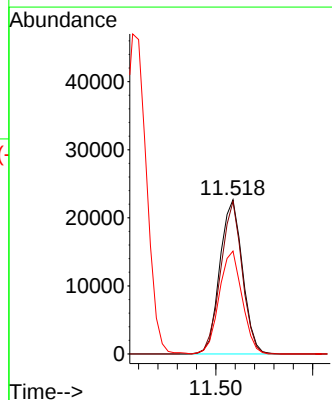
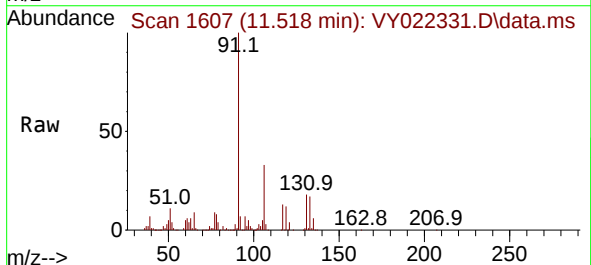
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

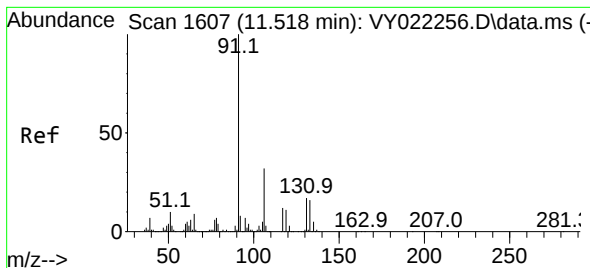
Tgt Ion:112 Resp: 109284
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.070 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:131 Resp: 36824
Ion Ratio Lower Upper
131 100
133 94.2 47.3 141.9
119 67.7 33.1 99.2

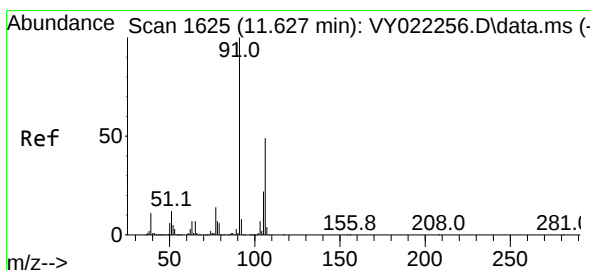
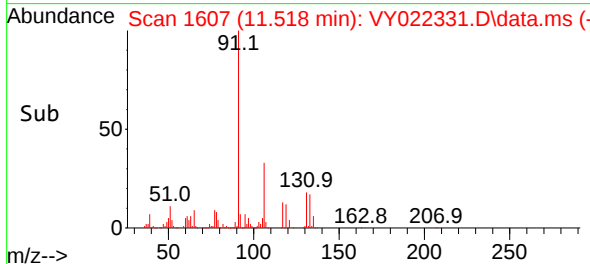
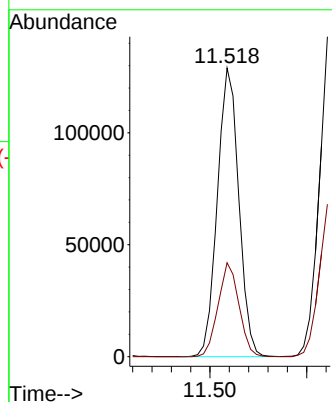
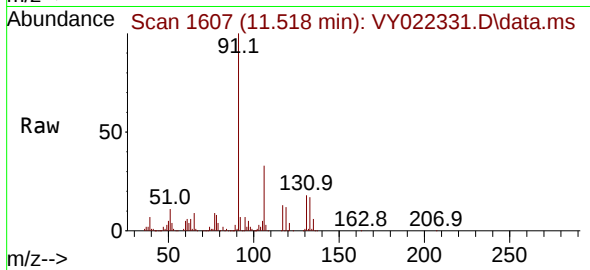




#67
Ethyl Benzene
Concen: 19.826 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

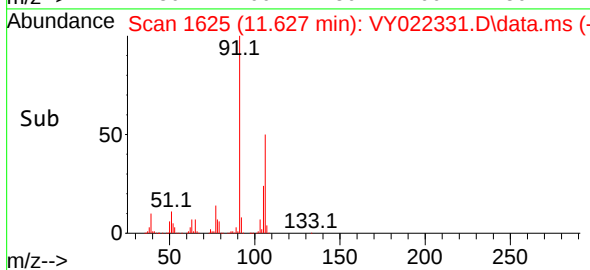
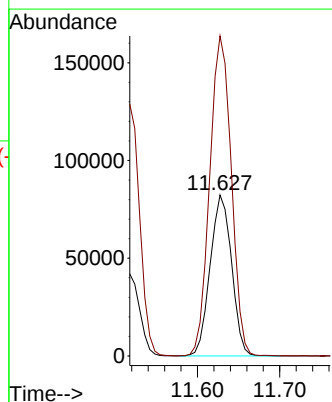
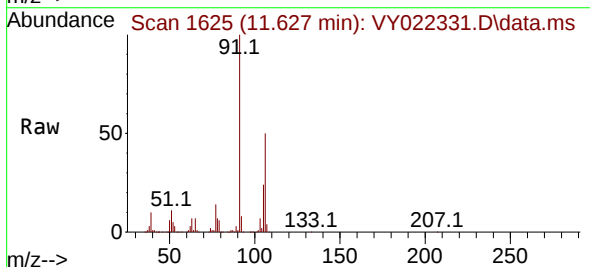
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

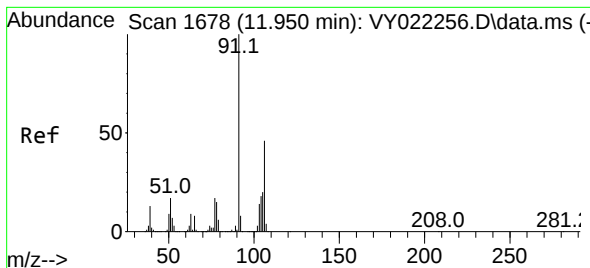
Tgt Ion: 91 Resp: 198160
Ion Ratio Lower Upper
91 100
106 32.5 25.4 38.0



#68
m/p-Xylenes
Concen: 39.630 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:106 Resp: 149258
Ion Ratio Lower Upper
106 100
91 200.2 163.0 244.4





#69

o-Xylene

Concen: 20.198 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

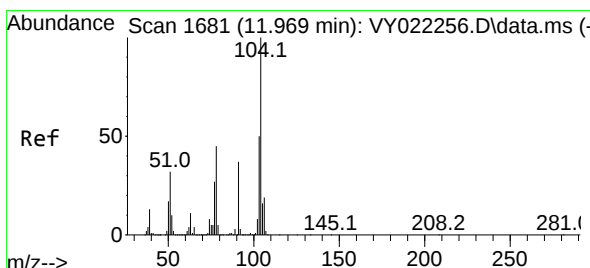
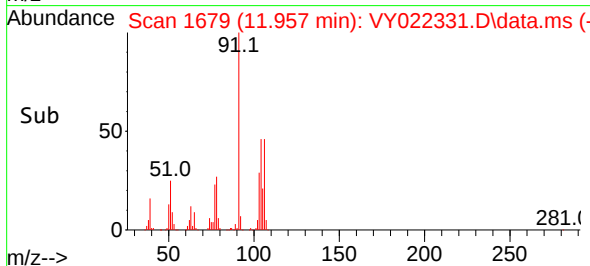
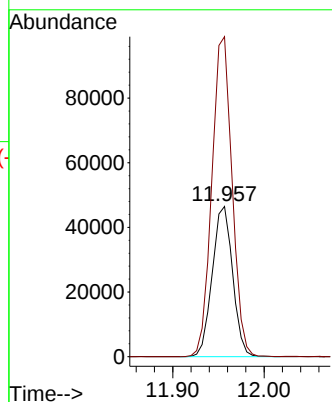
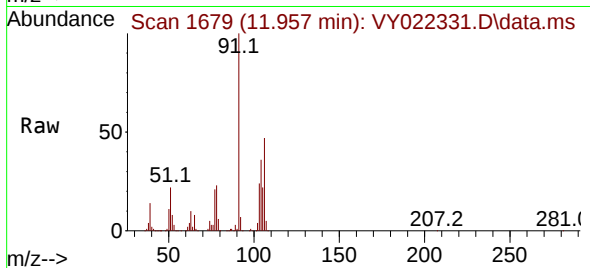
VY0520SBS01

Tgt Ion:106 Resp: 71971

Ion Ratio Lower Upper

106 100

91 211.6 108.3 324.8



#70

Styrene

Concen: 19.712 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

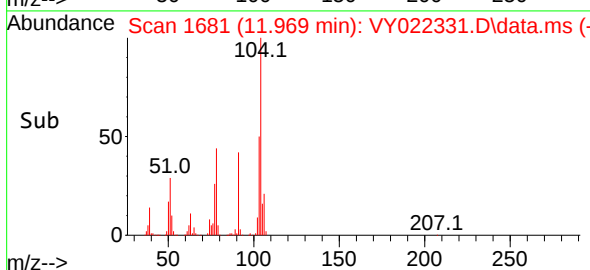
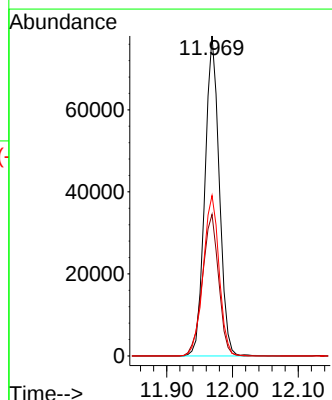
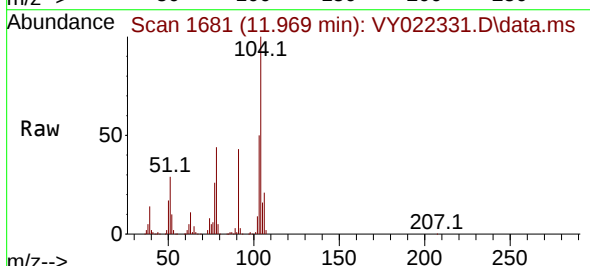
Tgt Ion:104 Resp: 118483

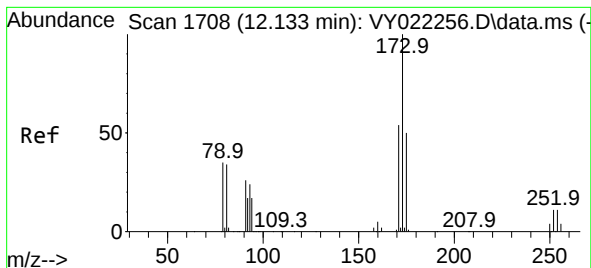
Ion Ratio Lower Upper

104 100

78 49.8 40.9 61.3

103 55.4 43.7 65.5





#71

Bromoform

Concen: 20.732 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

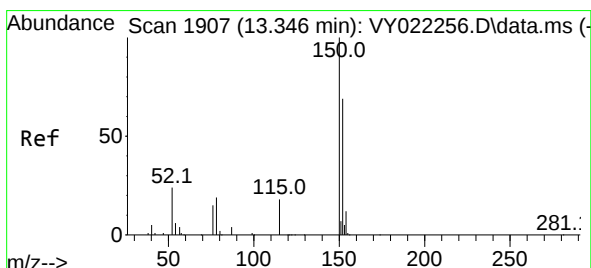
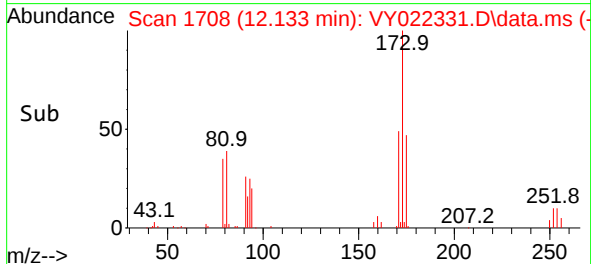
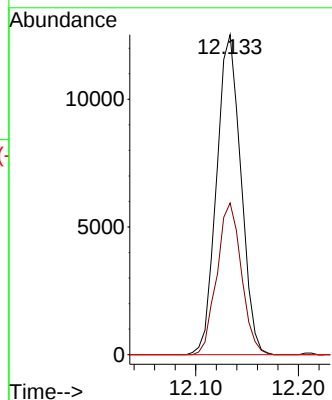
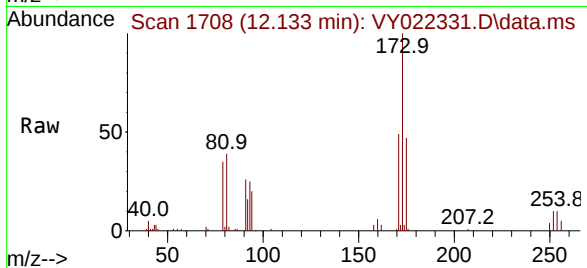
Tgt Ion:173 Resp: 20531

Ion Ratio Lower Upper

173 100

175 47.7 24.7 74.1

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

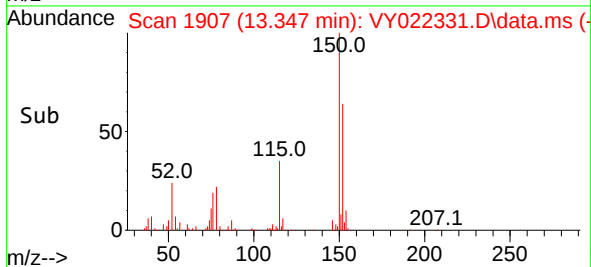
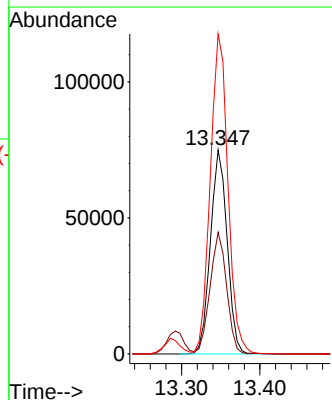
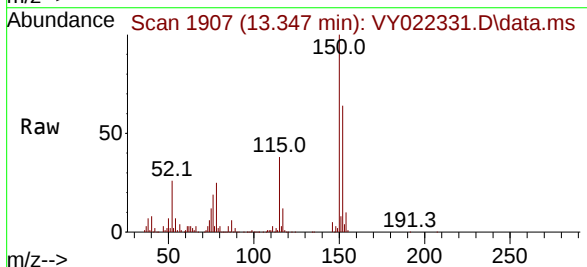
Tgt Ion:152 Resp: 111469

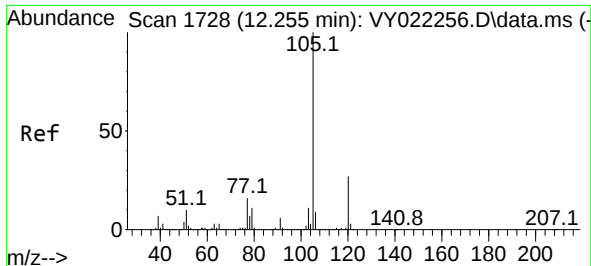
Ion Ratio Lower Upper

152 100

115 58.8 29.4 88.2

150 165.1 0.0 353.8

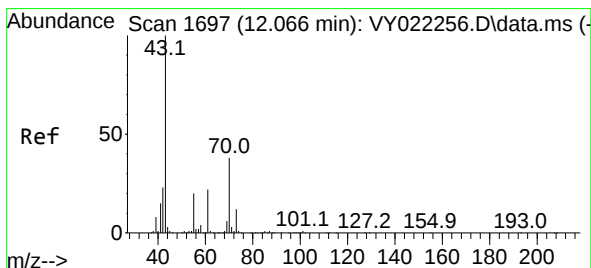
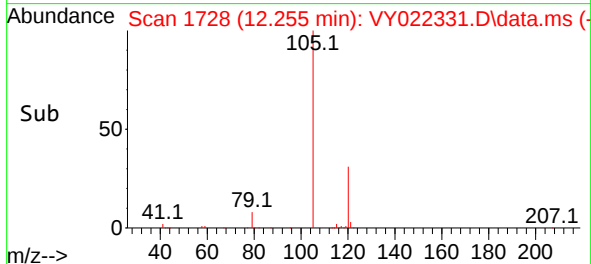
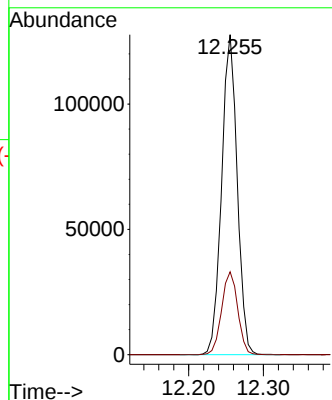
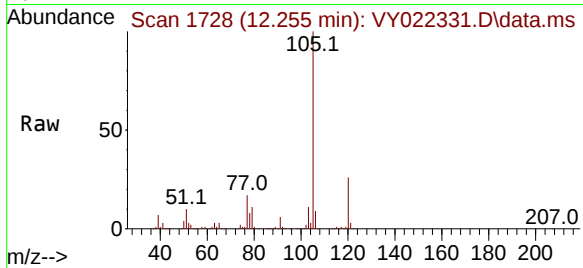




#73
Isopropylbenzene
Concen: 20.072 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

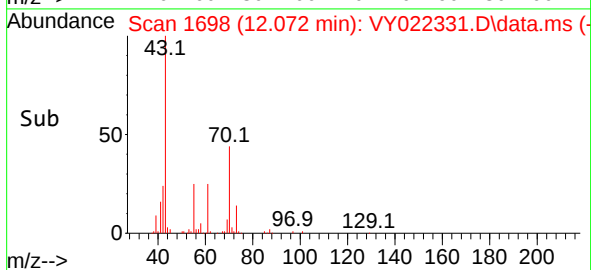
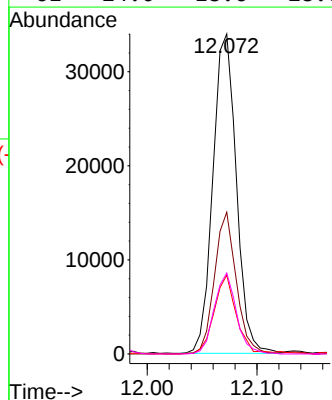
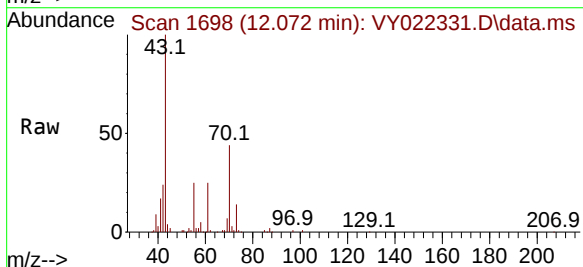
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

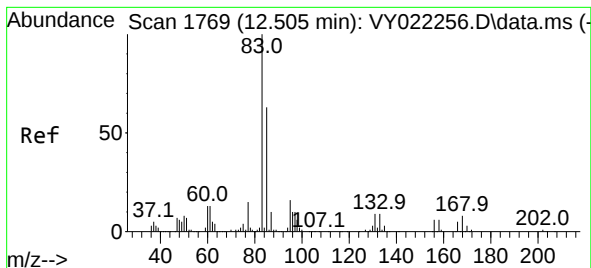
Tgt Ion:105 Resp: 185361
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.6



#74
N-ethyl acetate
Concen: 19.104 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 50457
Ion Ratio Lower Upper
43 100
70 41.5 31.4 47.0
55 24.0 17.0 25.6
61 24.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.706 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

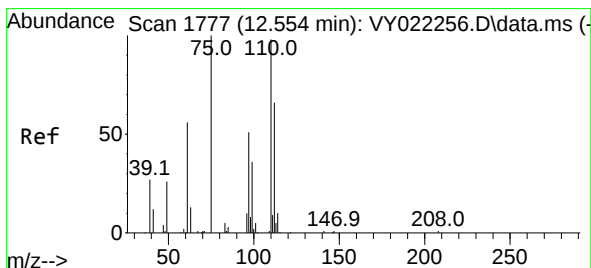
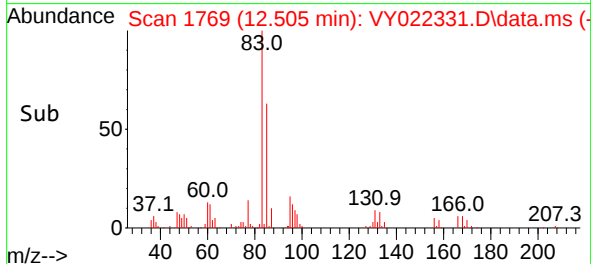
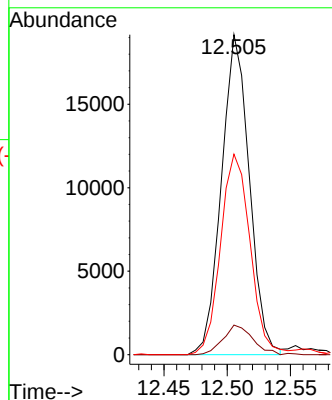
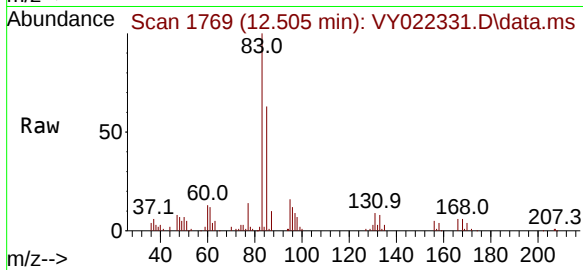
Tgt Ion: 83 Resp: 29407

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

85 66.4 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 38.620 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY022331.D

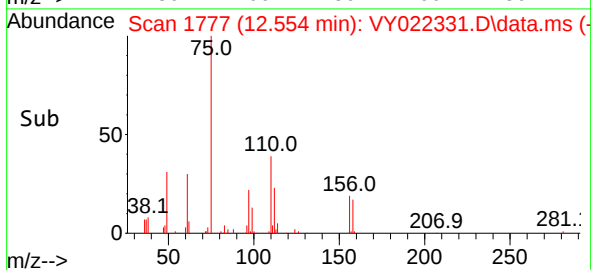
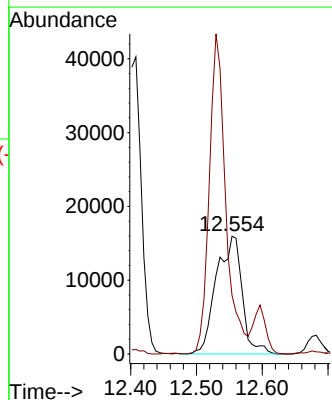
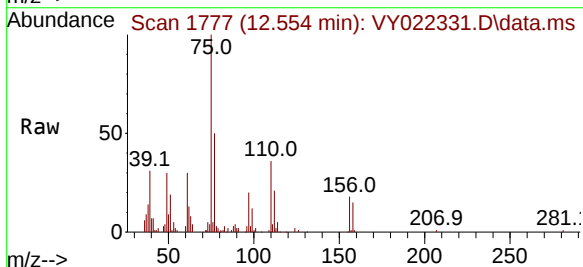
Acq: 20 May 2025 10:21

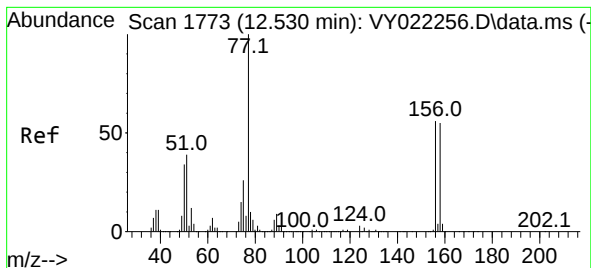
Tgt Ion: 75 Resp: 43613

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.164 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

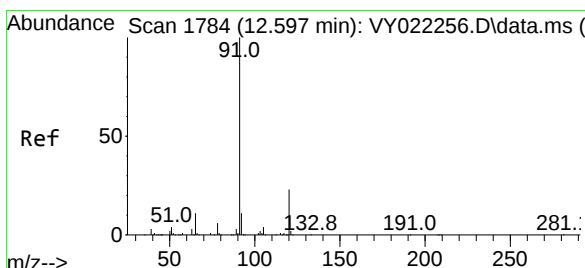
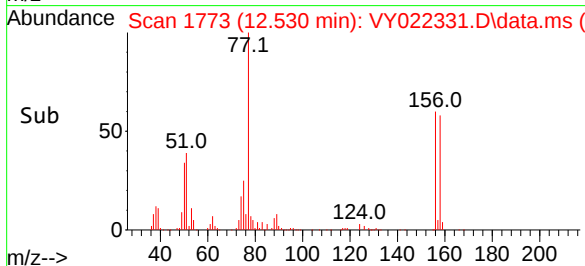
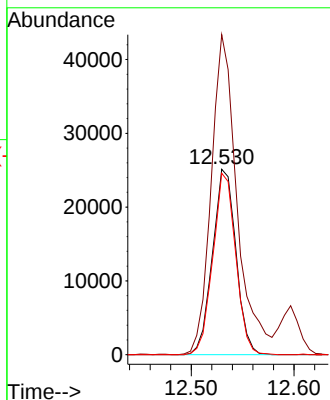
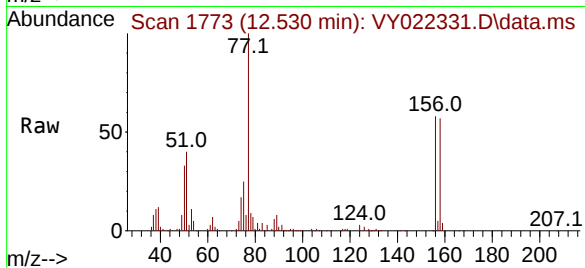
Tgt Ion:156 Resp: 39771

Ion Ratio Lower Upper

156 100

77 190.6 94.5 283.6

158 95.4 48.4 145.3



#78

n-propylbenzene

Concen: 20.317 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY022331.D

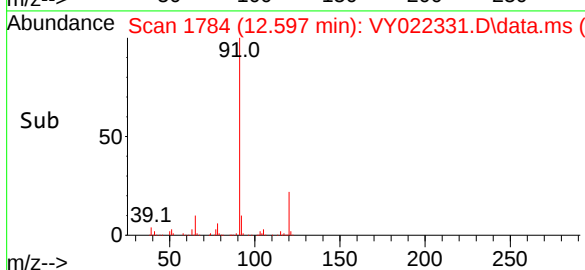
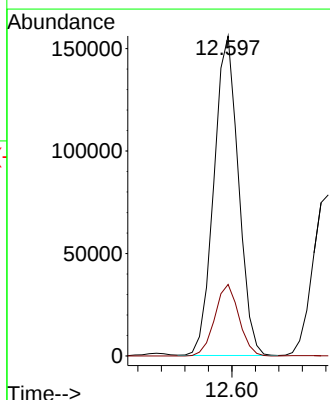
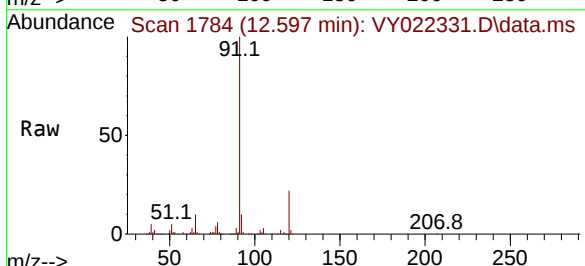
Acq: 20 May 2025 10:21

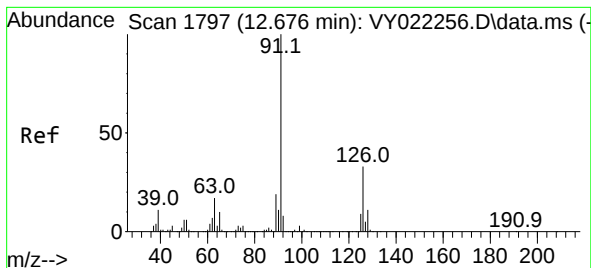
Tgt Ion: 91 Resp: 226302

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.3





#79

2-Chlorotoluene

Concen: 19.708 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

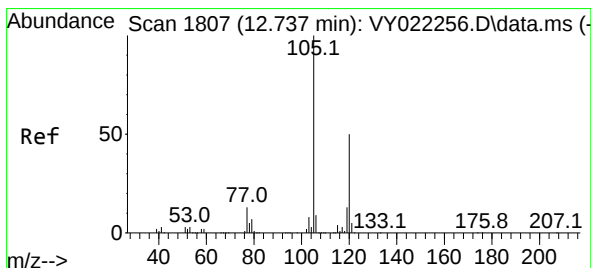
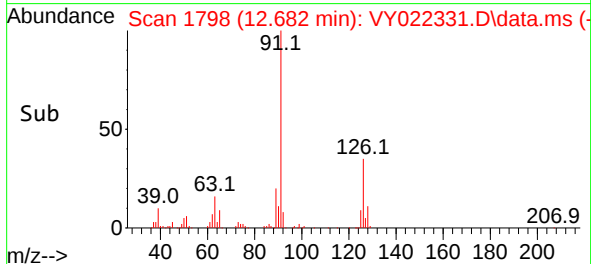
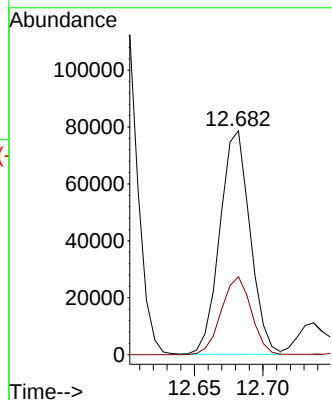
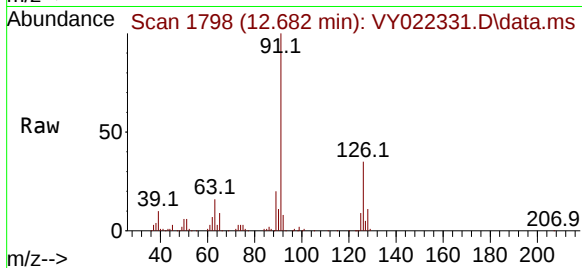
VY0520SBS01

Tgt Ion: 91 Resp: 120639

Ion Ratio Lower Upper

91 100

126 34.6 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 19.524 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022331.D

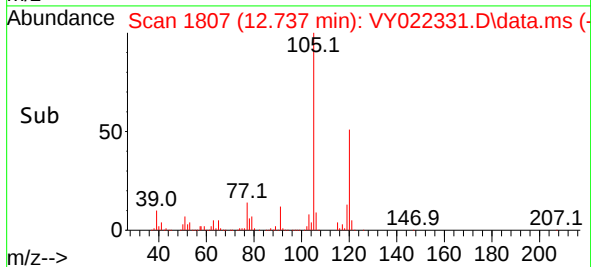
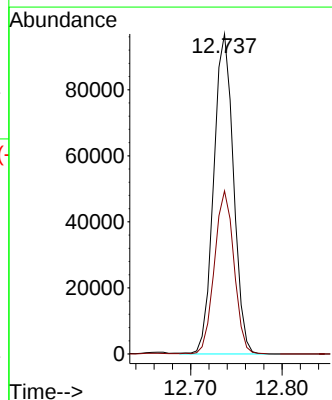
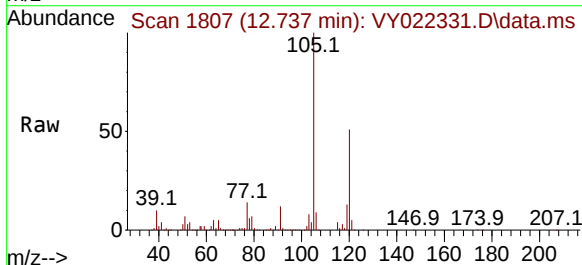
Acq: 20 May 2025 10:21

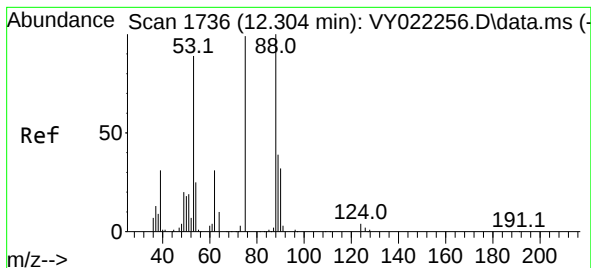
Tgt Ion:105 Resp: 145541

Ion Ratio Lower Upper

105 100

120 50.6 24.2 72.6

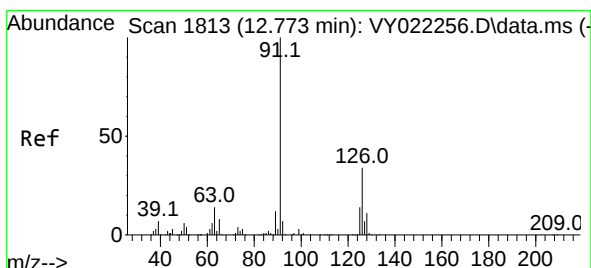
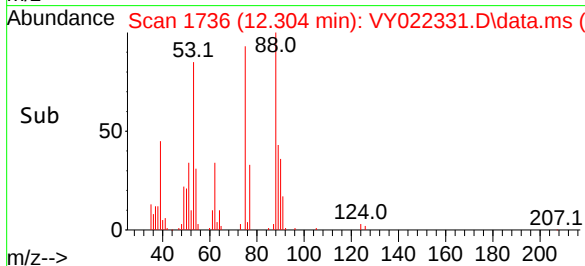
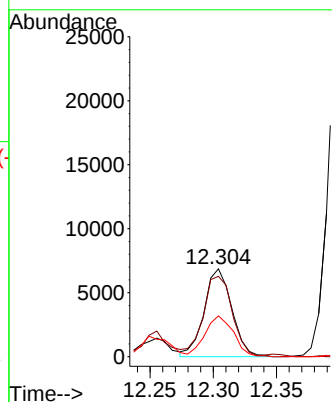
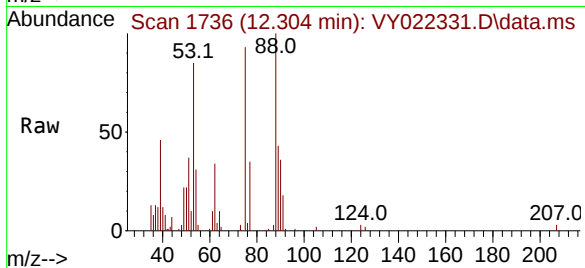




#81
trans-1,4-Dichloro-2-butene
Concen: 18.754 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

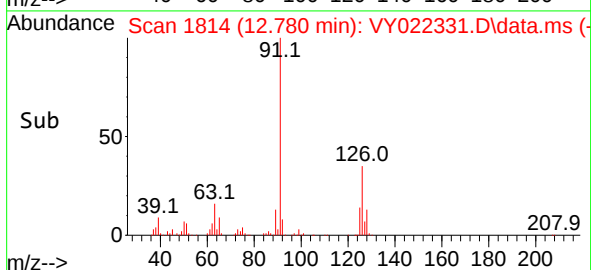
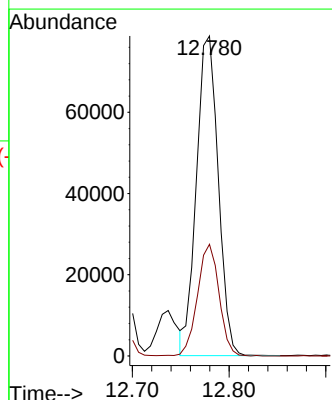
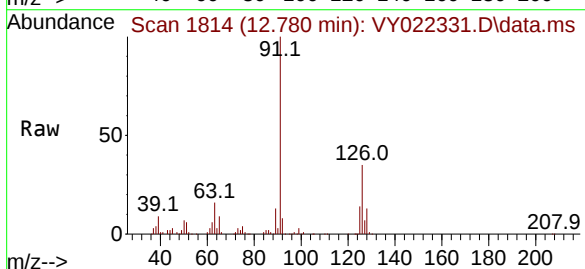
Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

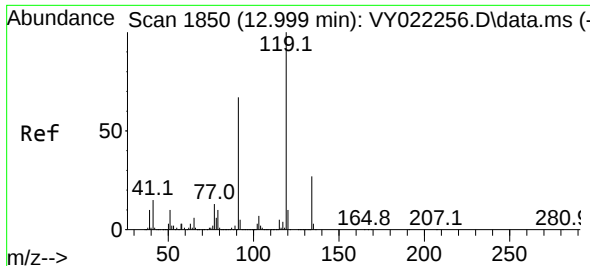
Tgt Ion: 75 Resp: 10455
Ion Ratio Lower Upper
75 100
53 93.1 75.8 113.8
89 47.4 36.2 54.2



#82
4-Chlorotoluene
Concen: 19.623 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 91 Resp: 123547
Ion Ratio Lower Upper
91 100
126 34.7 16.8 50.4

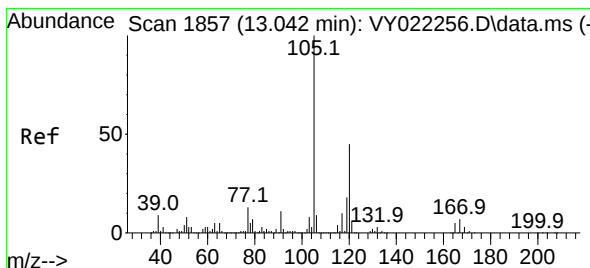
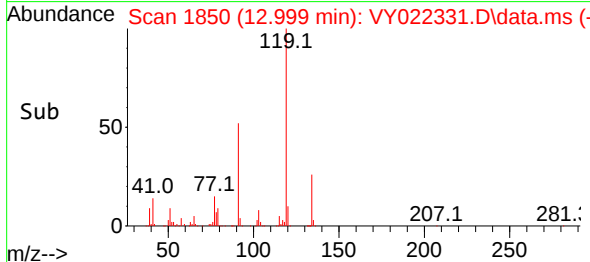
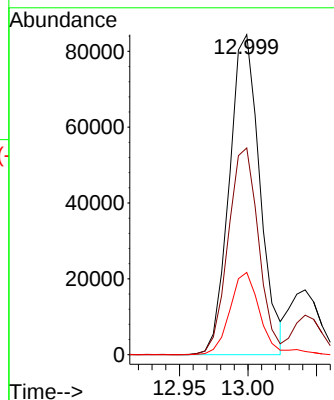
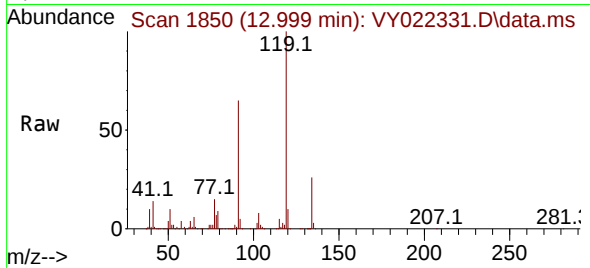




#83
 tert-Butylbenzene
 Concen: 19.842 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VY022331.D
 Acq: 20 May 2025 10:21

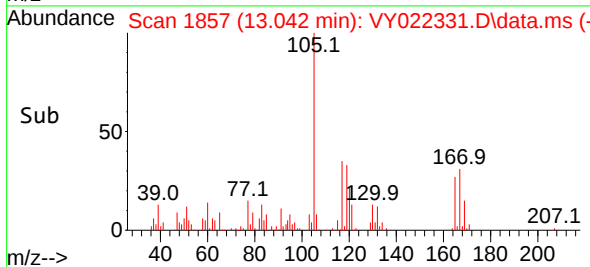
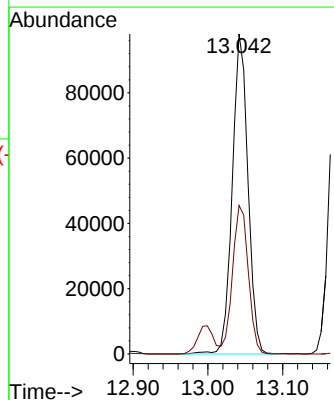
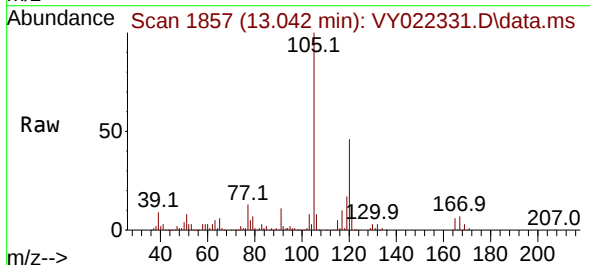
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

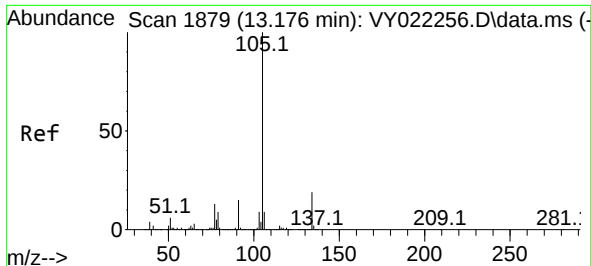
Tgt Ion:119 Resp: 131465
 Ion Ratio Lower Upper
 119 100
 91 64.3 32.8 98.3
 134 25.6 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.322 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY022331.D
 Acq: 20 May 2025 10:21

Tgt Ion:105 Resp: 142982
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.3 66.9

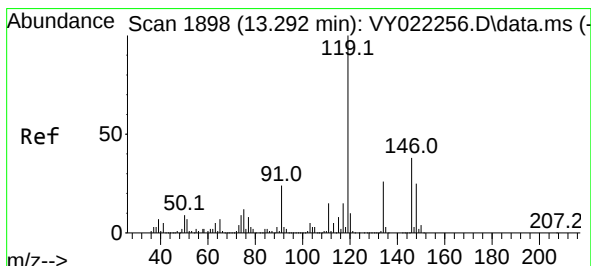
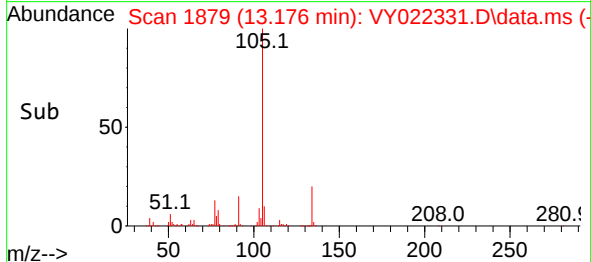
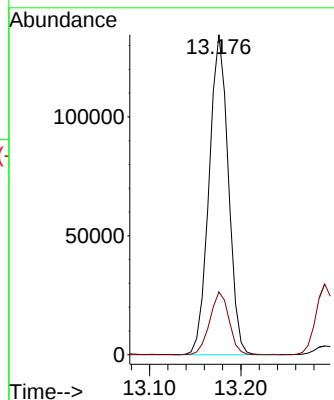
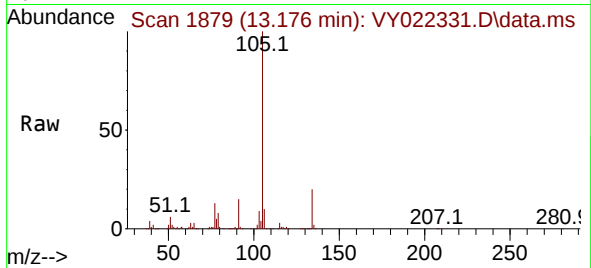




#85
 sec-Butylbenzene
 Concen: 19.981 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY022331.D
 Acq: 20 May 2025 10:21

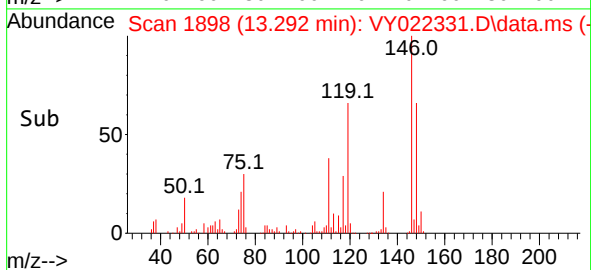
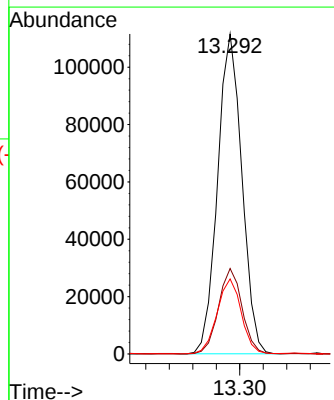
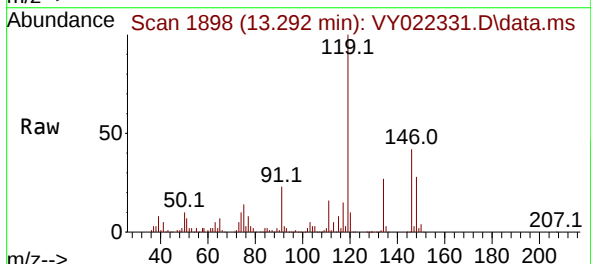
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

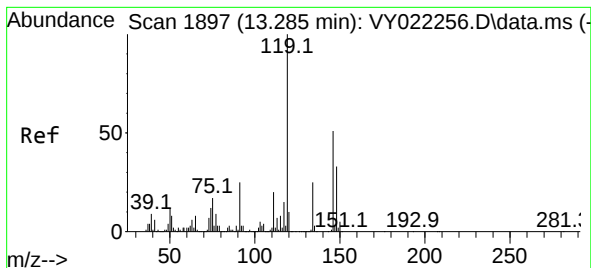
Tgt Ion:105 Resp: 196521
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.345 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY022331.D
 Acq: 20 May 2025 10:21

Tgt Ion:119 Resp: 160020
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.6
 91 23.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.324 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

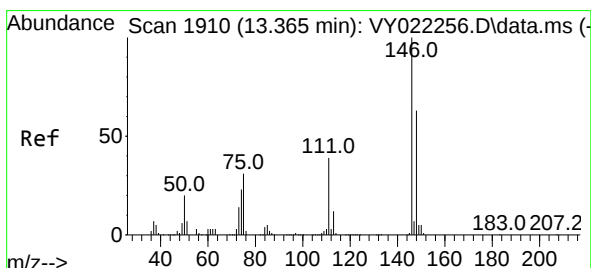
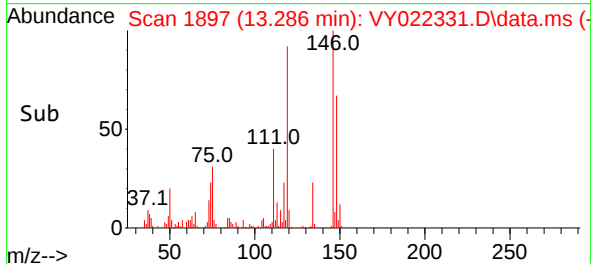
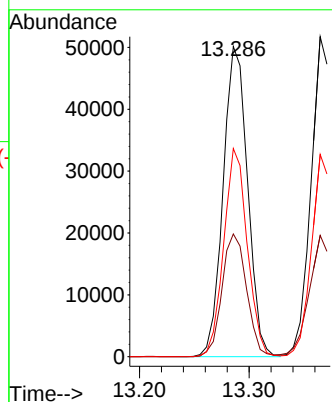
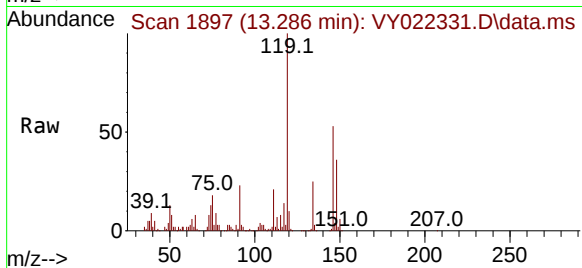
Tgt Ion:146 Resp: 77805

Ion Ratio Lower Upper

146 100

111 39.7 19.9 59.7

148 64.6 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 20.041 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

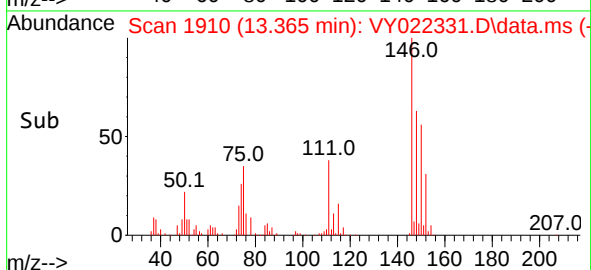
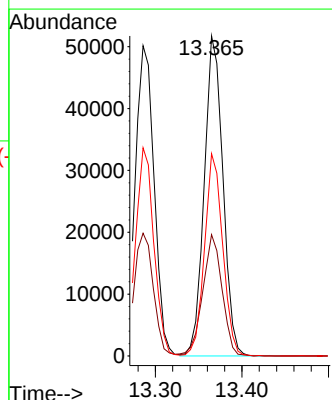
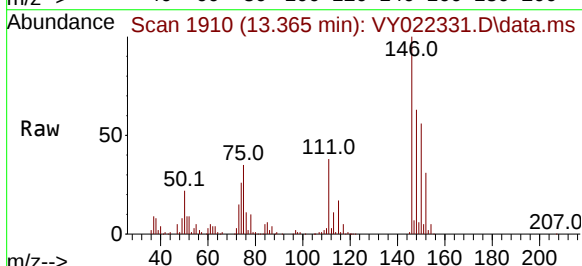
Tgt Ion:146 Resp: 77620

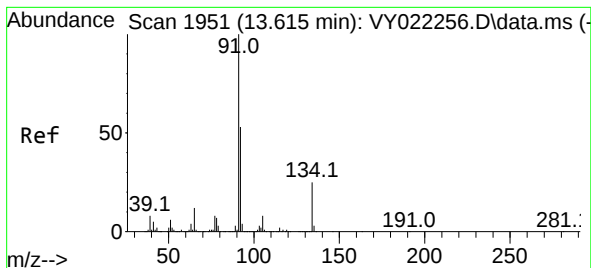
Ion Ratio Lower Upper

146 100

111 39.3 20.0 59.9

148 61.5 32.1 96.5





#89

n-Butylbenzene

Concen: 19.712 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

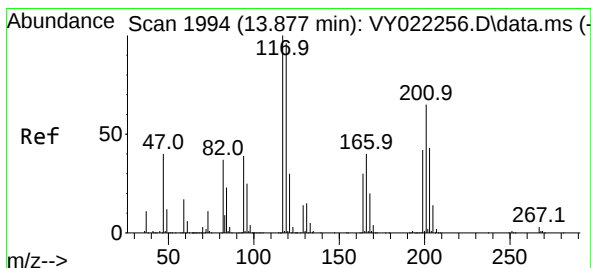
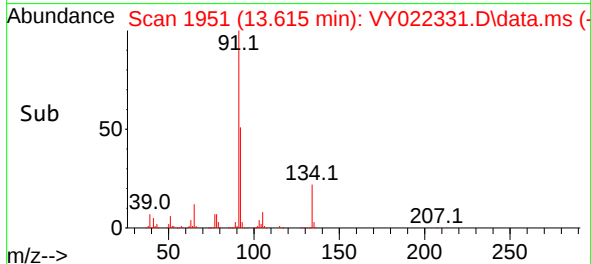
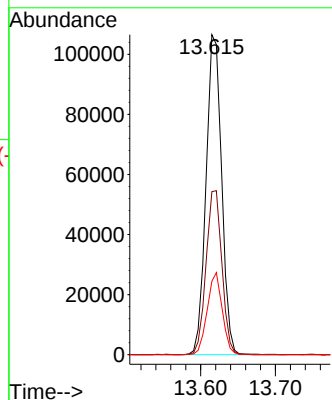
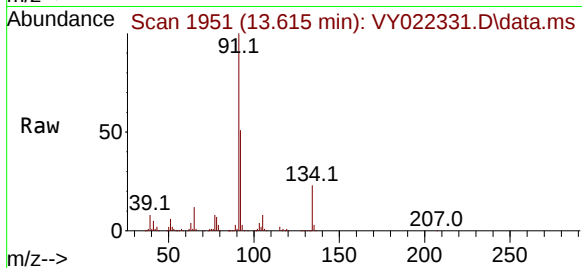
Tgt Ion: 91 Resp: 154259

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.9

134 24.7 12.4 37.4



#90

Hexachloroethane

Concen: 19.287 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY022331.D

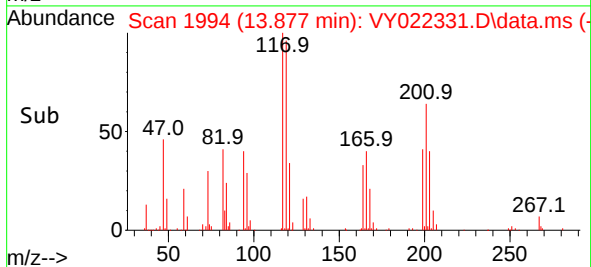
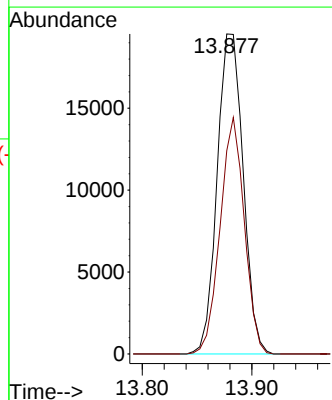
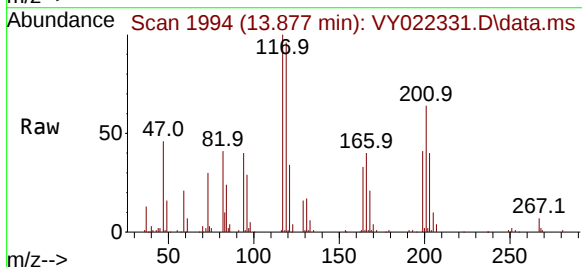
Acq: 20 May 2025 10:21

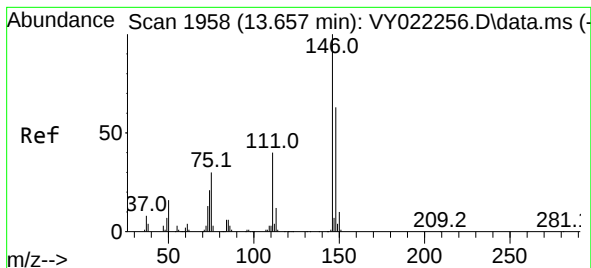
Tgt Ion: 117 Resp: 32205

Ion Ratio Lower Upper

117 100

201 68.7 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 19.901 ug/l

RT: 13.658 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

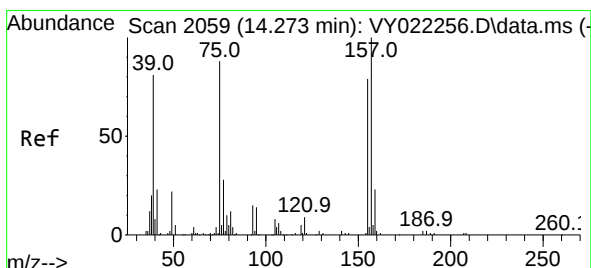
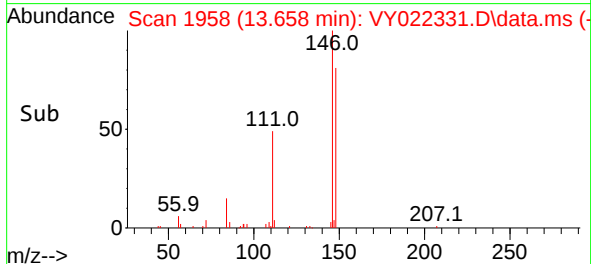
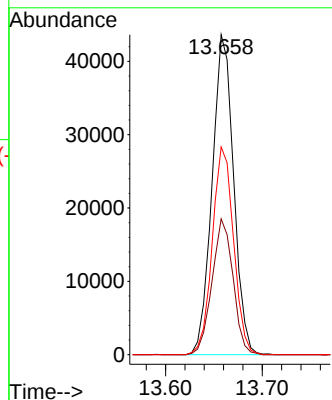
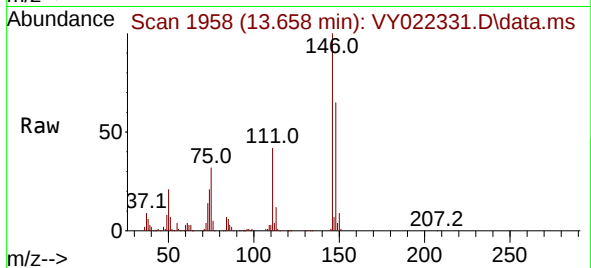
Tgt Ion:146 Resp: 67307

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.5

148 64.3 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.968 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

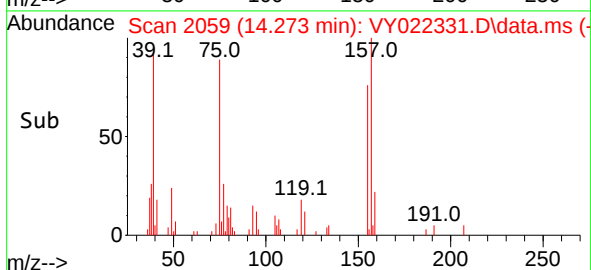
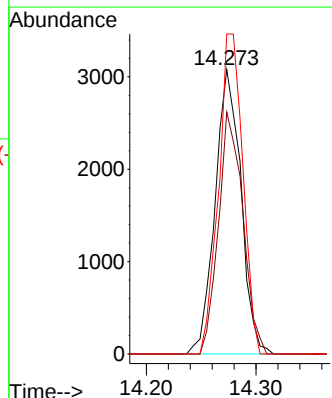
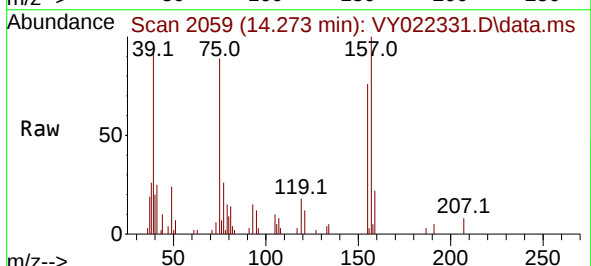
Tgt Ion: 75 Resp: 5031

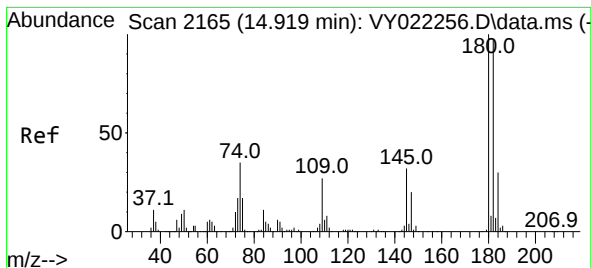
Ion Ratio Lower Upper

75 100

155 80.4 43.4 130.1

157 105.9 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 19.152 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

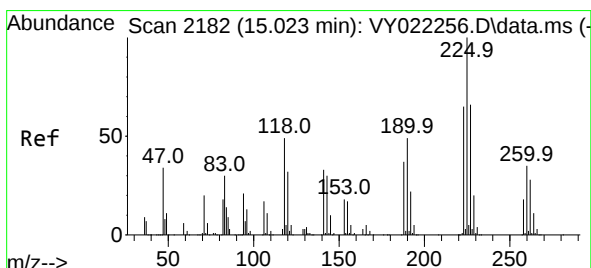
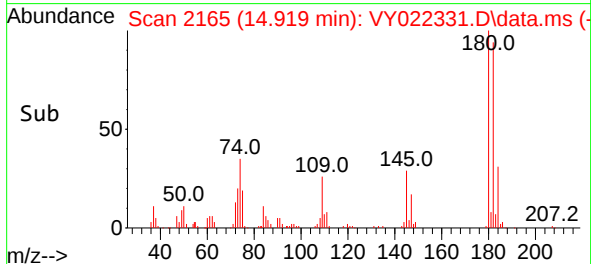
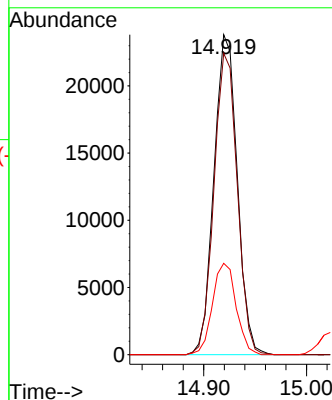
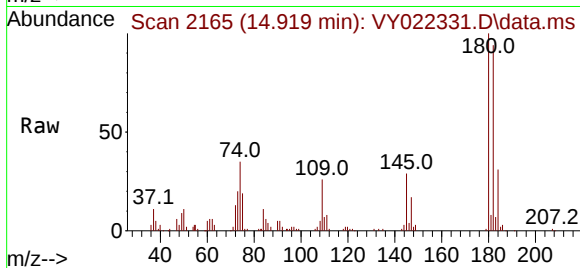
Tgt Ion:180 Resp: 37416

Ion Ratio Lower Upper

180 100

182 94.1 48.0 144.0

145 29.0 15.0 45.1



#94

Hexachlorobutadiene

Concen: 18.648 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

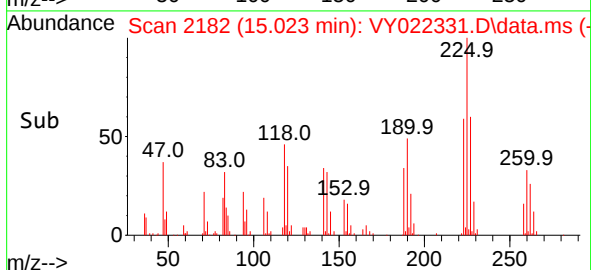
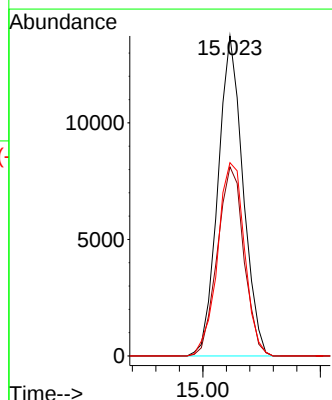
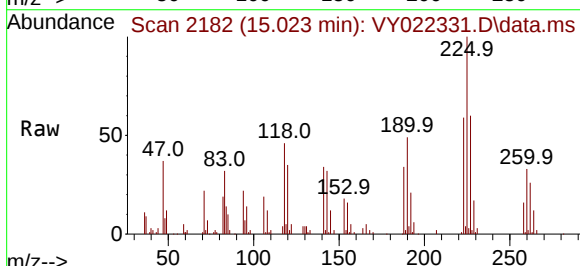
Tgt Ion:225 Resp: 20316

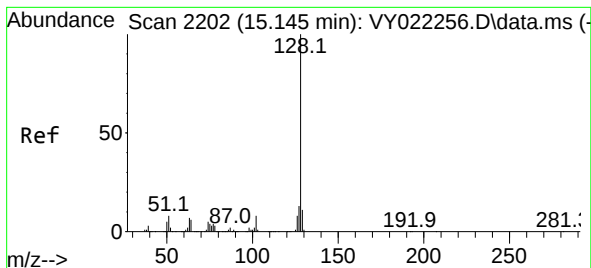
Ion Ratio Lower Upper

225 100

223 62.7 31.5 94.5

227 65.1 32.1 96.3





#95

Naphthalene

Concen: 19.543 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0520SBS01

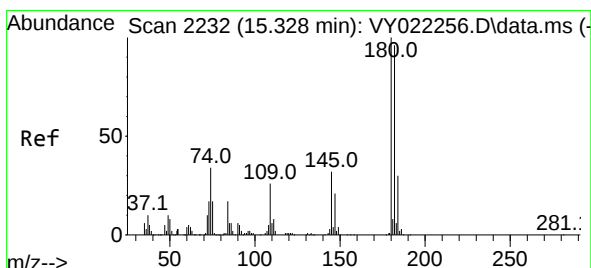
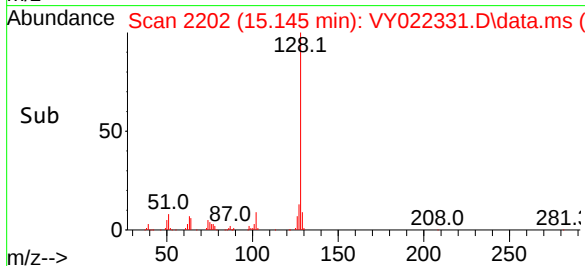
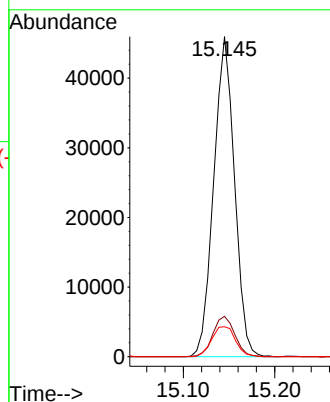
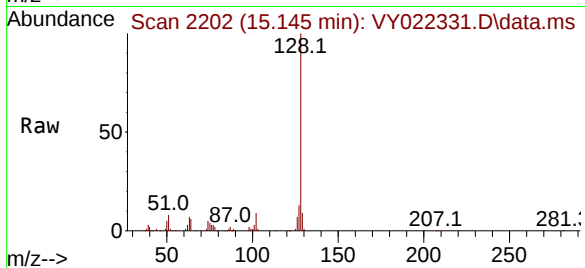
Tgt Ion:128 Resp: 72453

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 10.8 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 19.029 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022331.D

Acq: 20 May 2025 10:21

Tgt Ion:180 Resp: 31537

Ion Ratio Lower Upper

180 100

182 94.8 47.1 141.3

145 31.2 15.9 47.6

