

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022493.D
 Acq On : 02 Jun 2025 12:32
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Jun 03 02:54:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.920%#
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.920%#
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	38.940%#
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	38.440%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l	95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l	98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l	97
44) Trichloroethene	8.872	130	52175	20.613	ug/l	98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l	99
46) Dibromomethane	9.237	93	29741	21.491	ug/l	99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l	99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l	99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l	98
52) Toluene	10.176	92	133601	20.508	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l	98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l	99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l	100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l	99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l	98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l	95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l	99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l	98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l	100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l	99
69) o-Xylene	11.956	106	90598	20.155	ug/l	98
70) Styrene	11.969	104	149486	20.086	ug/l	98
71) Bromoform	12.133	173	25089	20.668	ug/l #	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l	99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	56811	29.805	ug/l #	100
77) Bromobenzene	12.536	156	51416	20.853	ug/l	99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l	99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l	97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l	99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l	100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l	100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l	98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l	99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l	99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l	99
95) Naphthalene	15.145	128	93203	20.994	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l	98

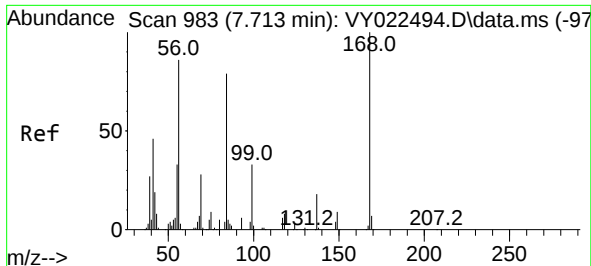
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Response via : Initial Calibration

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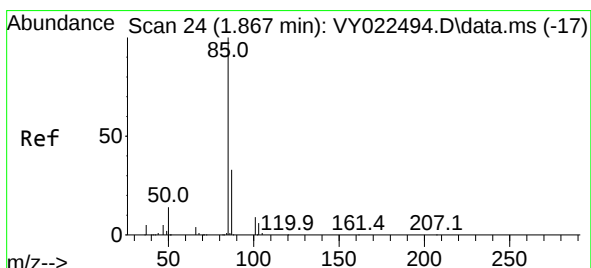
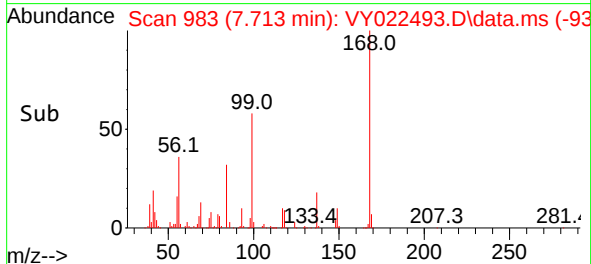
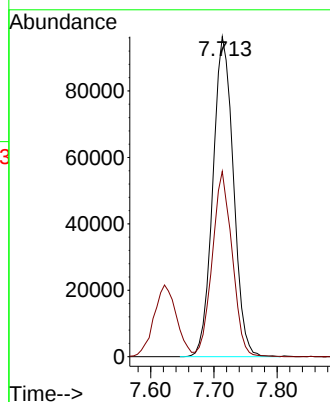
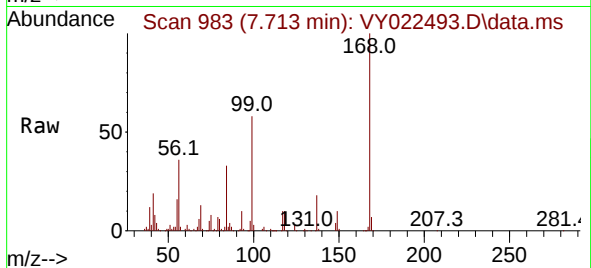
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

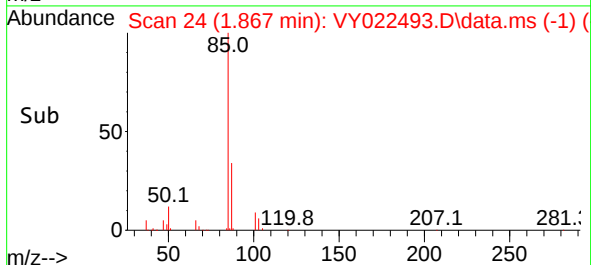
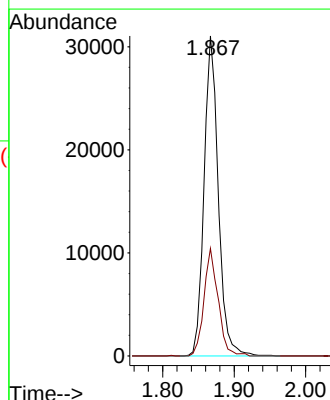
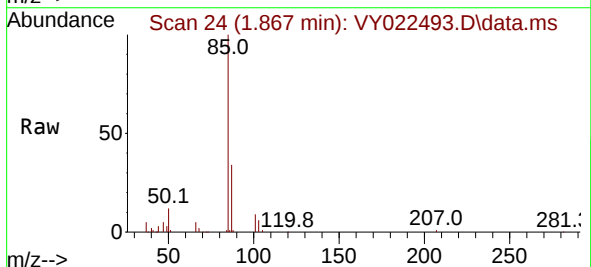
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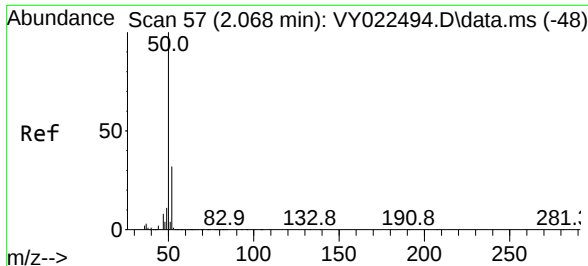
Tgt Ion:168 Resp: 217359
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#2
Dichlorodifluoromethane
Concen: 22.669 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 85 Resp: 43056
Ion Ratio Lower Upper
85 100
87 33.6 16.7 50.0

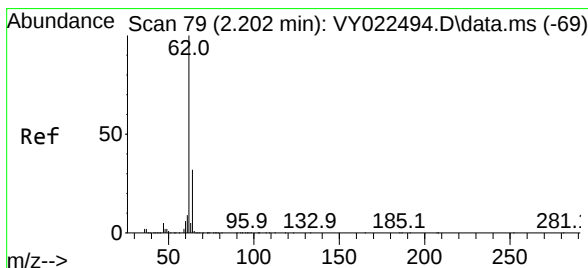
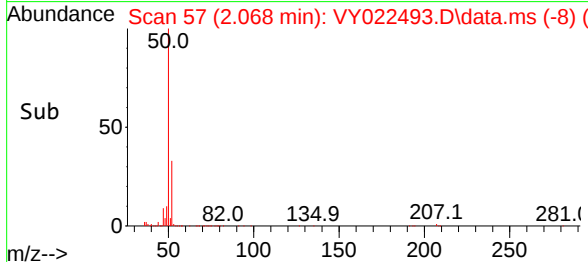
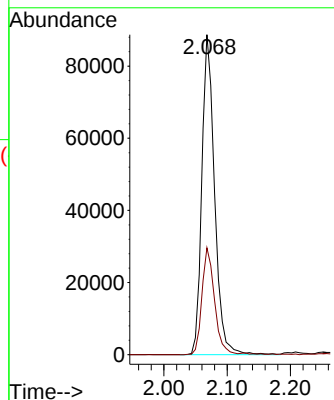
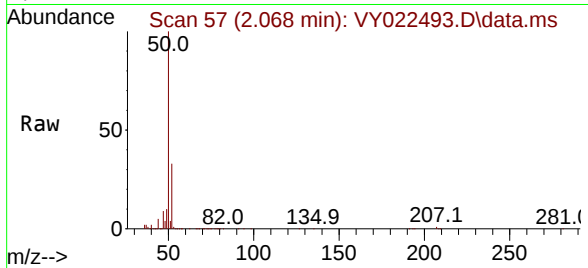




#3
Chloromethane
Concen: 22.209 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

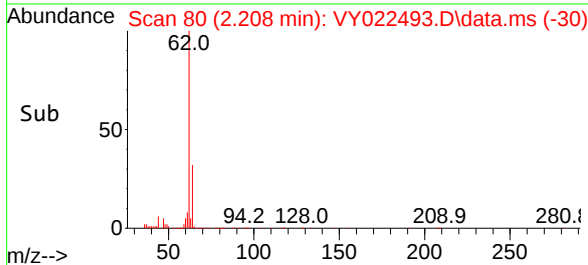
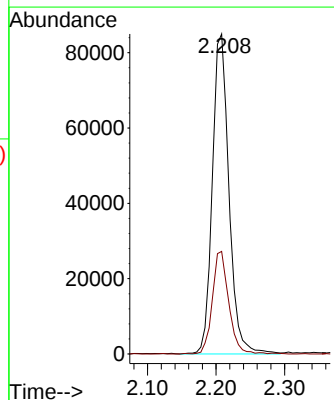
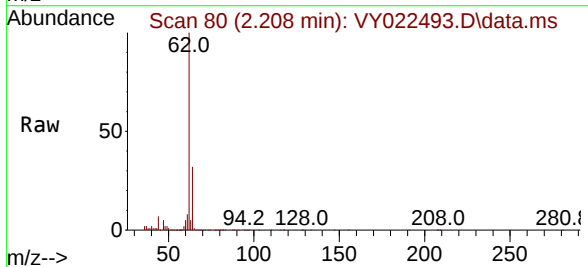
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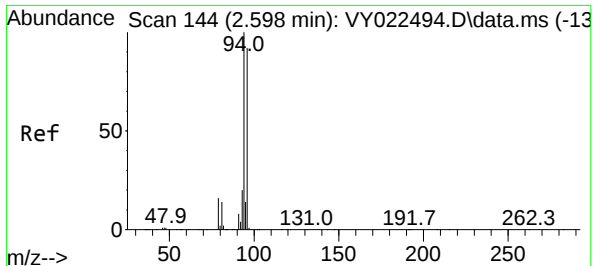
Tgt Ion: 50 Resp: 124441
Ion Ratio Lower Upper
50 100
52 33.4 26.0 39.0



#4
Vinyl Chloride
Concen: 21.833 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 143182
Ion Ratio Lower Upper
62 100
64 32.0 25.3 37.9

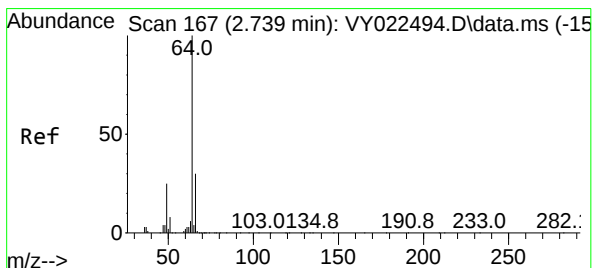
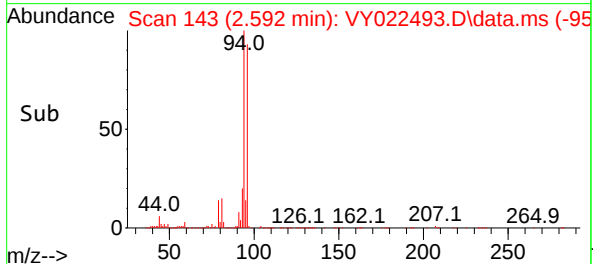
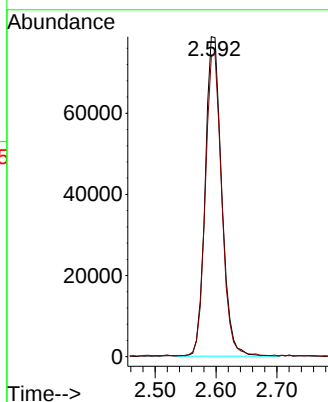
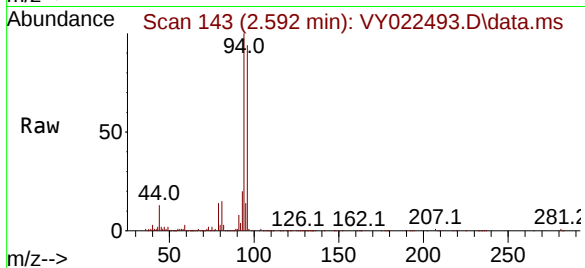




#5
Bromomethane
Concen: 23.891 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

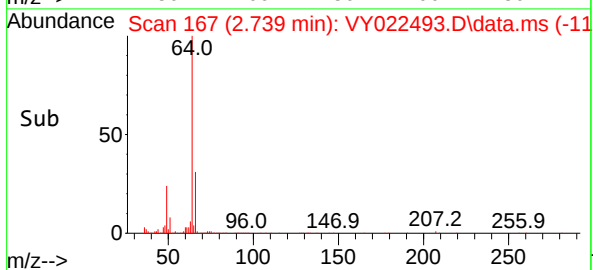
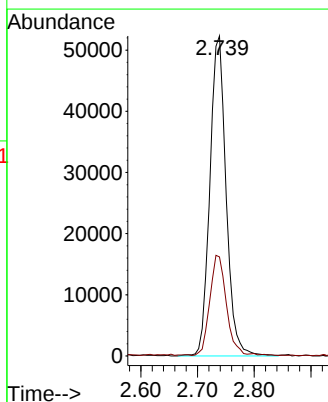
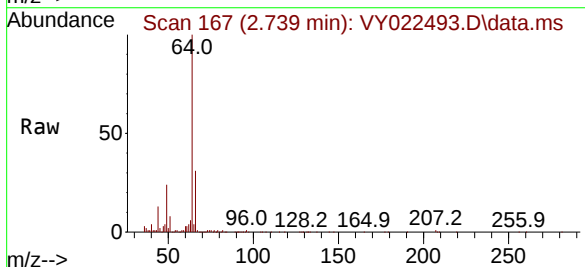
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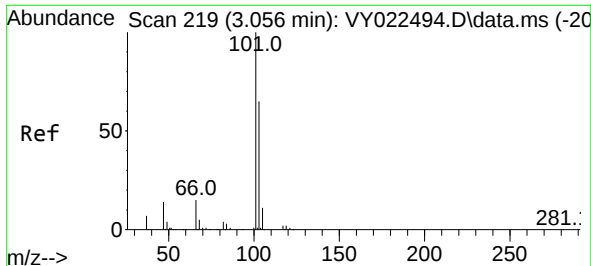
Tgt Ion: 94 Resp: 148203
Ion Ratio Lower Upper
94 100
96 93.5 74.0 111.0



#6
Chloroethane
Concen: 23.188 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 64 Resp: 104116
Ion Ratio Lower Upper
64 100
66 30.8 23.8 35.6

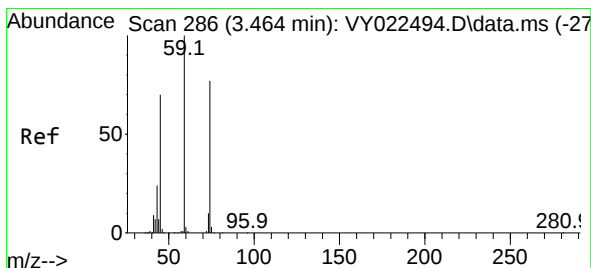
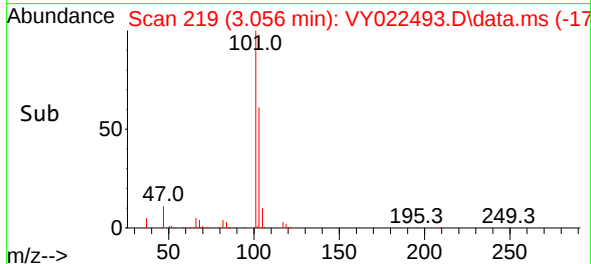
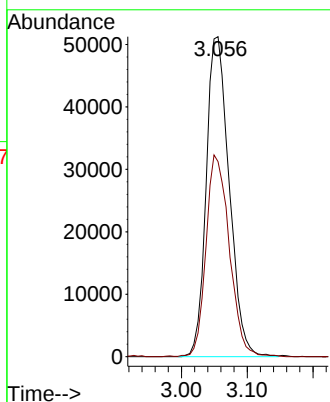
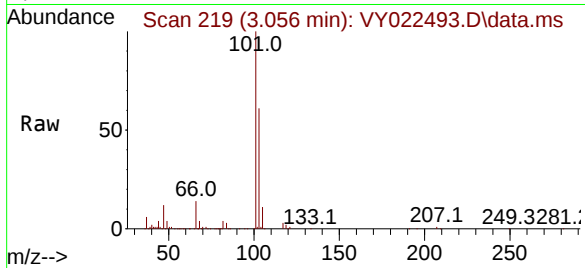




#7
Trichlorofluoromethane
Concen: 22.320 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

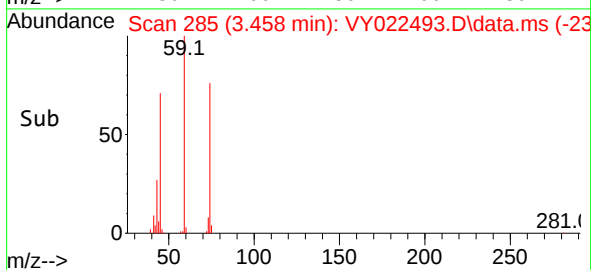
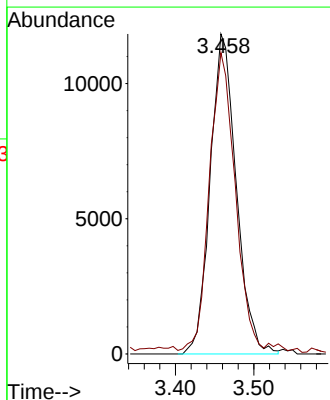
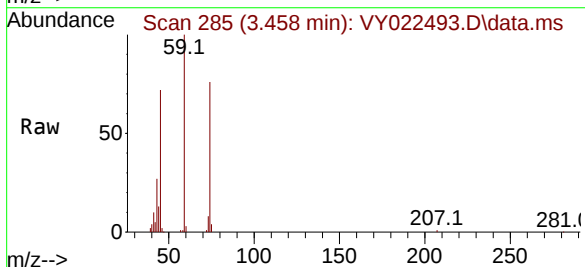
Instrument :
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Tgt Ion:101 Resp: 124370
Ion Ratio Lower Upper
101 100
103 60.8 52.2 78.2



#8
Diethyl Ether
Concen: 22.230 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 74 Resp: 27359
Ion Ratio Lower Upper
74 100
45 91.2 45.9 137.6

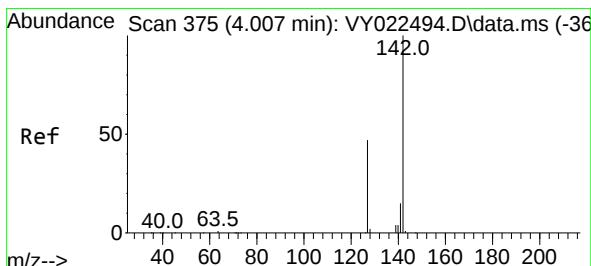
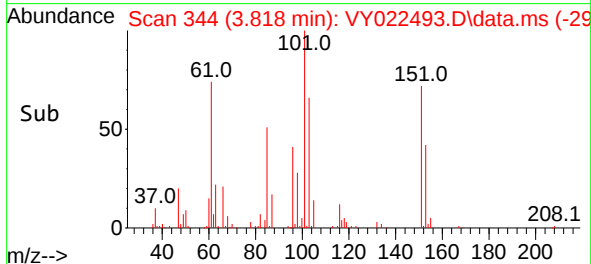
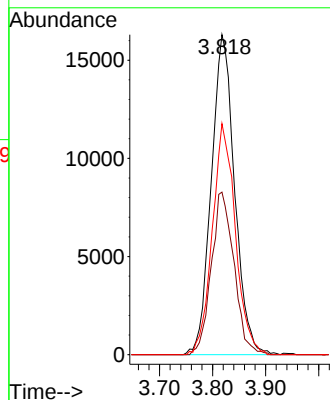
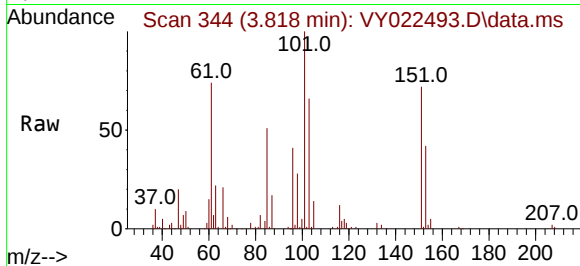




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.283 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022493.D
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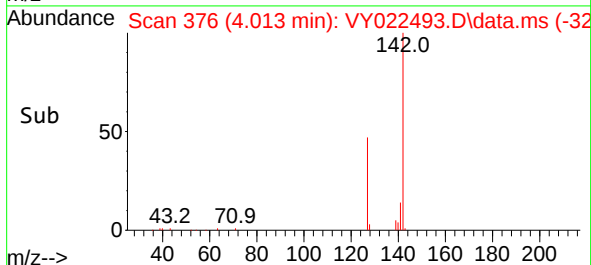
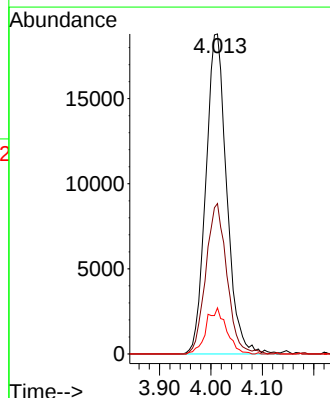
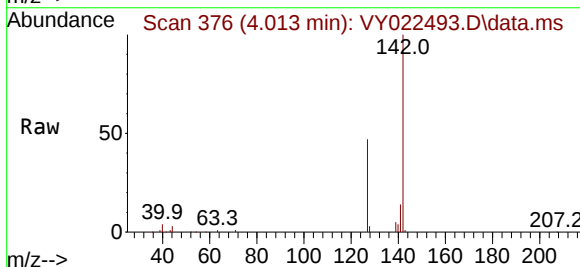
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ClientSampleId :
VSTDIC020

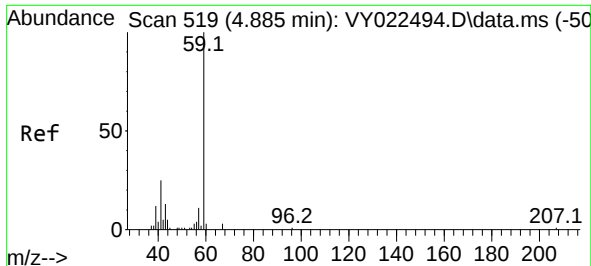
Tgt Ion:101 Resp: 49746
Ion Ratio Lower Upper
101 100
85 49.4 39.3 58.9
151 71.4 57.8 86.8



#10
Methyl Iodide
Concen: 21.112 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:142 Resp: 52917
Ion Ratio Lower Upper
142 100
127 47.5 37.1 55.7
141 14.1 11.4 17.2

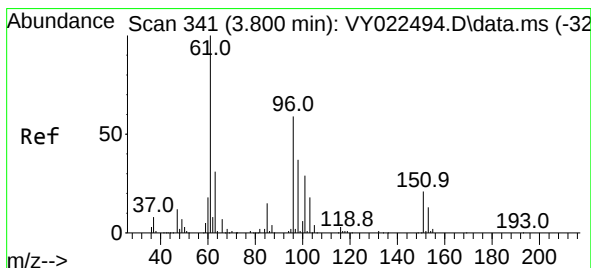
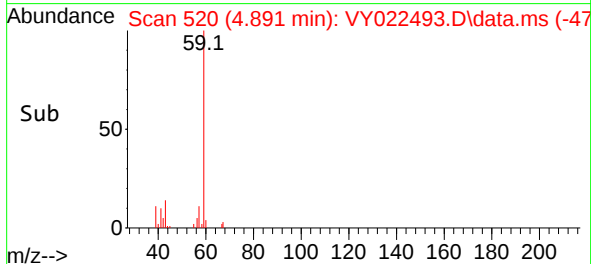
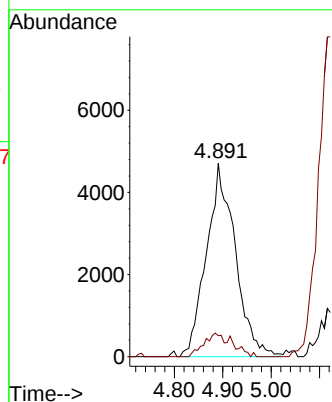
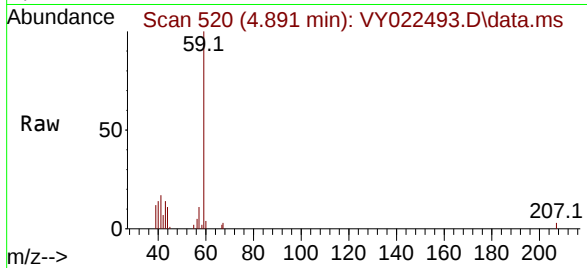




#11
Tert butyl alcohol
Concen: 115.163 ug/l
RT: 4.891 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

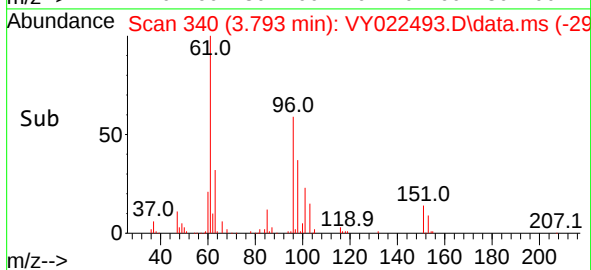
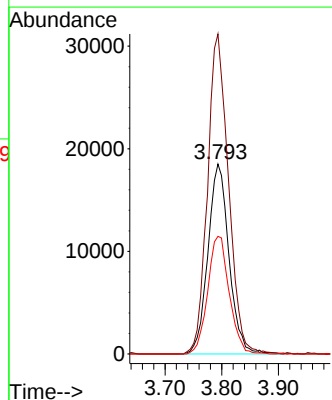
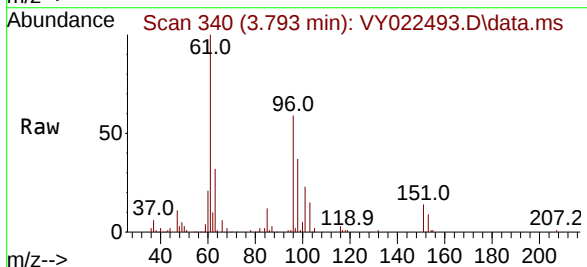
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

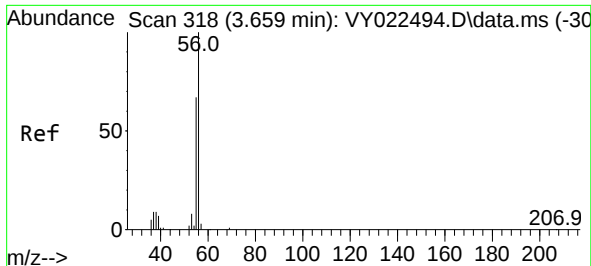
Tgt Ion: 59 Resp: 19456
Ion Ratio Lower Upper
59 100
57 8.6 8.0 12.0



#12
1,1-Dichloroethene
Concen: 21.411 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 47770
Ion Ratio Lower Upper
96 100
61 168.5 134.6 201.8
98 61.9 50.2 75.4





#13

Acrolein

Concen: 111.404 ug/l

RT: 3.659 min Scan# 318

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

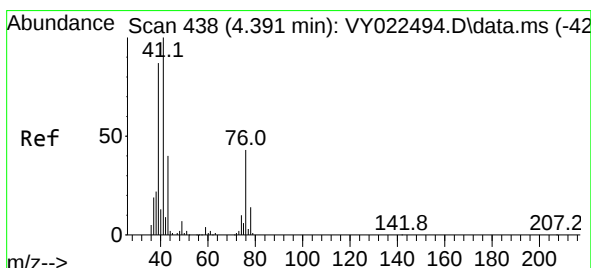
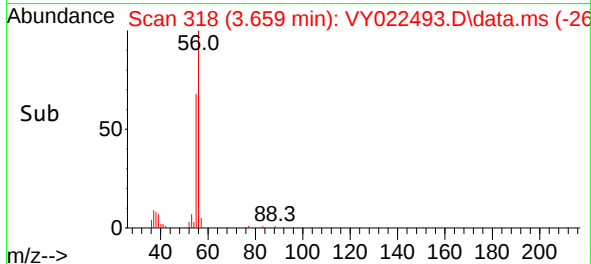
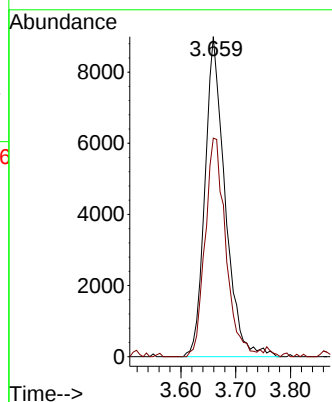
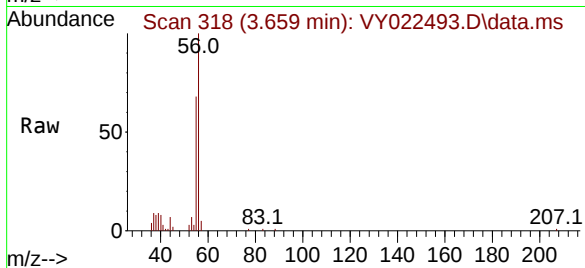
VSTDICC020

Tgt Ion: 56 Resp: 22974

Ion Ratio Lower Upper

56 100

55 69.8 57.0 85.6



#14

Allyl chloride

Concen: 21.263 ug/l

RT: 4.391 min Scan# 438

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

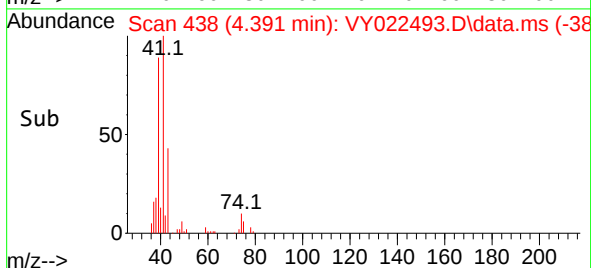
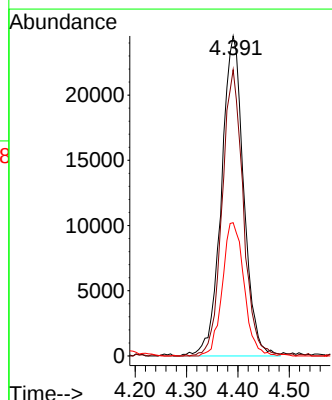
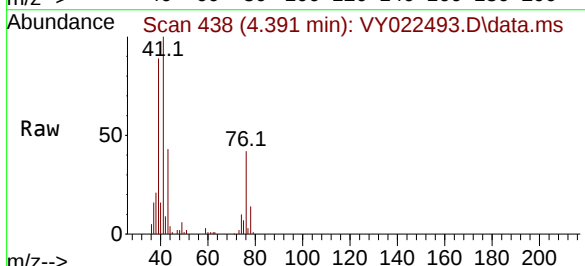
Tgt Ion: 41 Resp: 73926

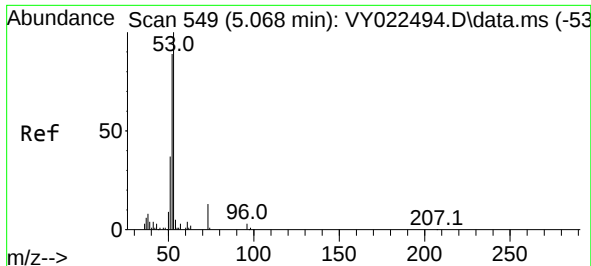
Ion Ratio Lower Upper

41 100

39 84.7 69.1 103.7

76 40.5 33.5 50.3

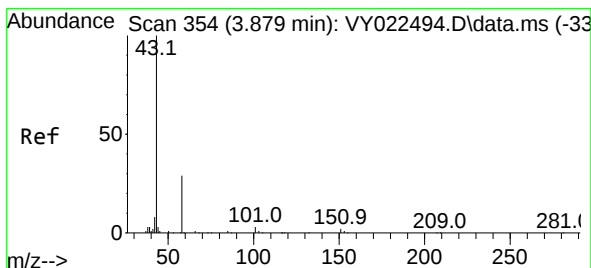
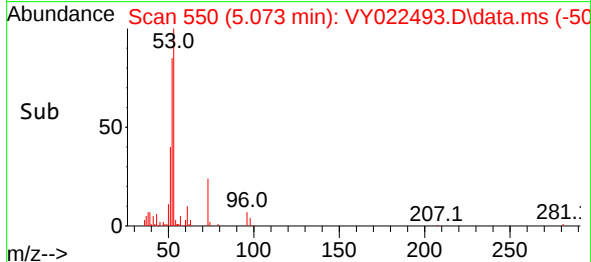
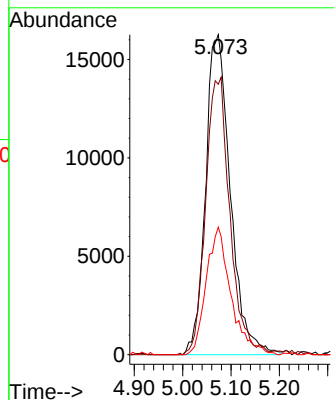
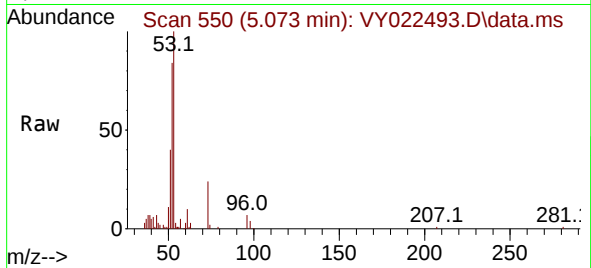




#15
Acrylonitrile
Concen: 110.420 ug/l
RT: 5.073 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

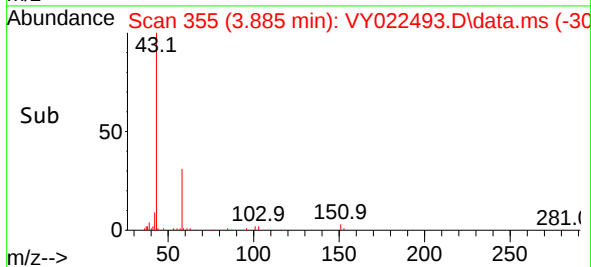
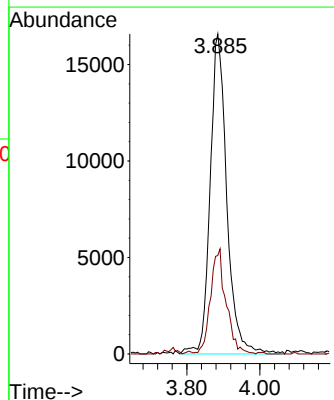
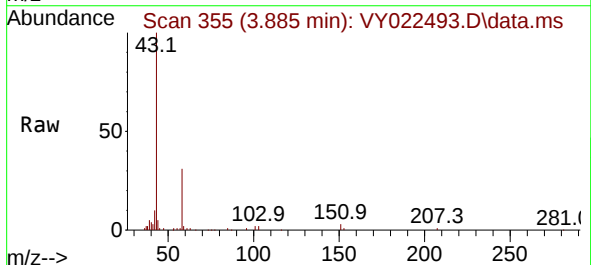
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

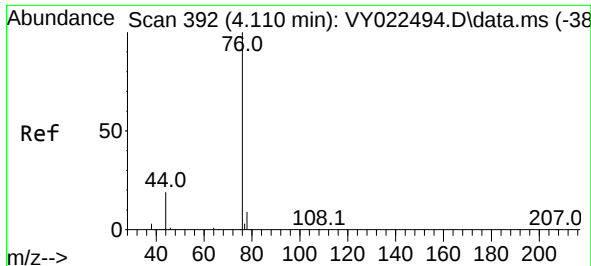
Tgt Ion: 53 Resp: 57803
Ion Ratio Lower Upper
53 100
52 84.1 65.7 98.5
51 39.8 30.1 45.1



#16
Acetone
Concen: 111.925 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 52330
Ion Ratio Lower Upper
43 100
58 30.8 24.0 36.0

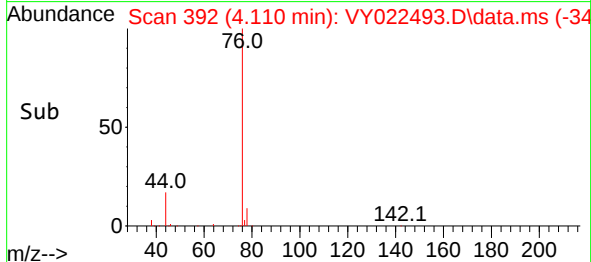
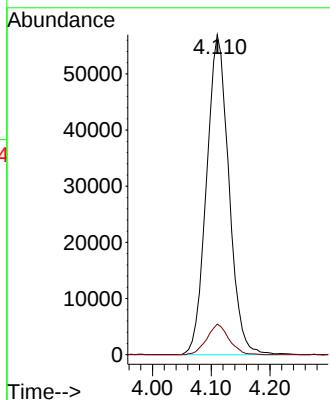
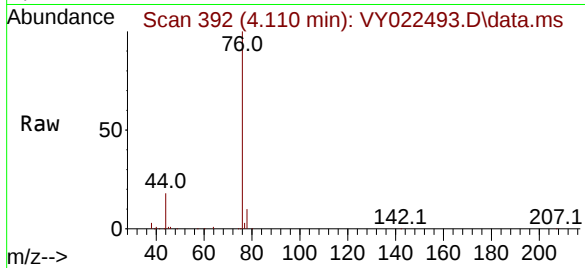




#17
Carbon Disulfide
Concen: 21.130 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

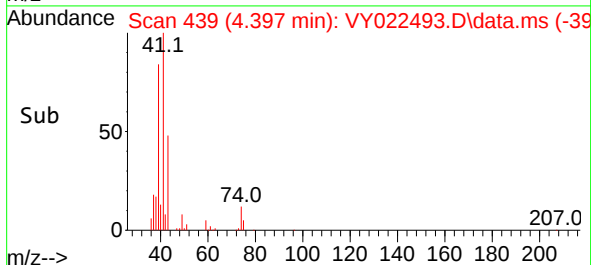
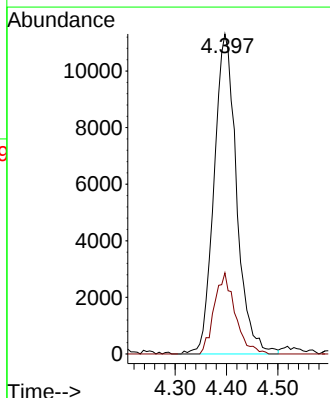
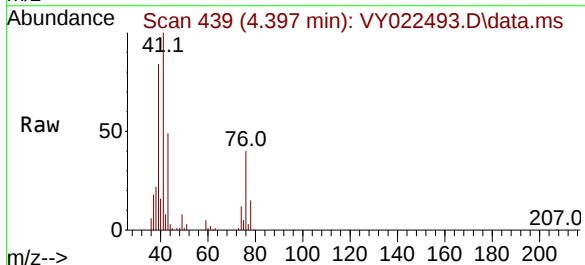
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

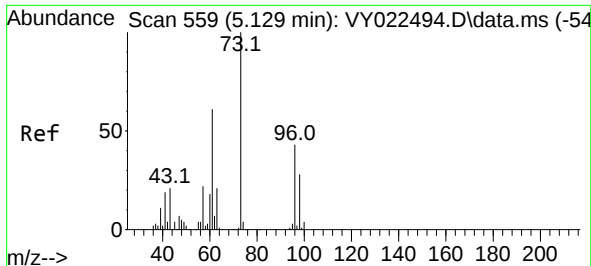
Tgt Ion: 76 Resp: 150515
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#18
Methyl Acetate
Concen: 24.470 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 34419
Ion Ratio Lower Upper
43 100
74 23.5 19.8 29.6

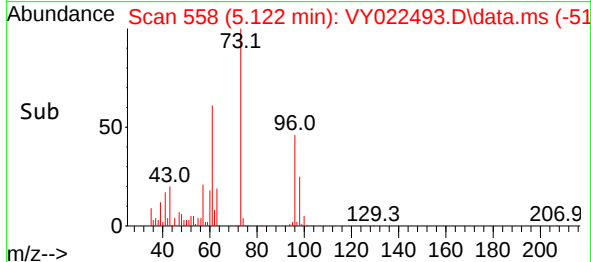
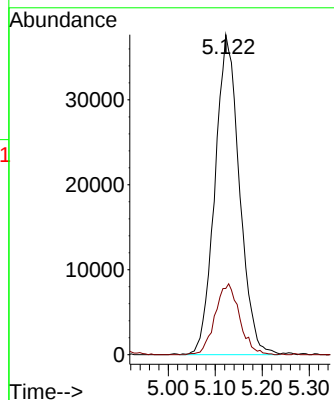
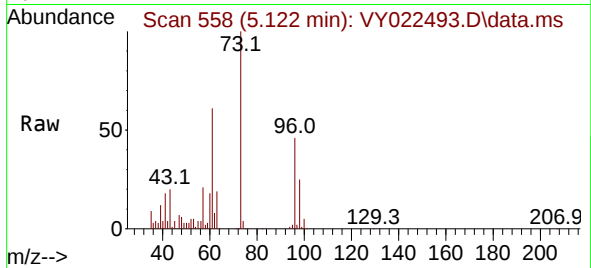




#19
Methyl tert-butyl Ether
Concen: 21.935 ug/l
RT: 5.122 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

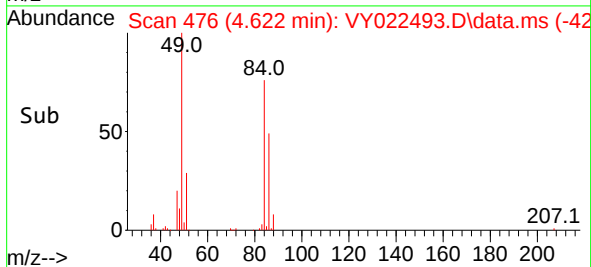
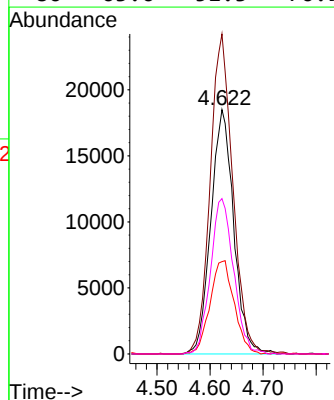
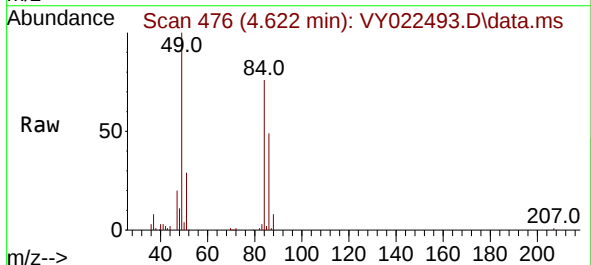
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

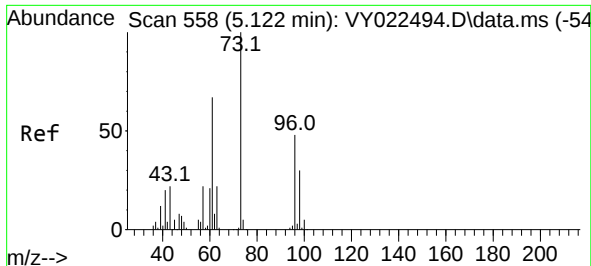
Tgt Ion: 73 Resp: 136549
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.0



#20
Methylene Chloride
Concen: 21.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 84 Resp: 55399
Ion Ratio Lower Upper
84 100
49 131.0 101.9 152.9
51 37.8 29.8 44.8
86 63.6 51.3 76.9

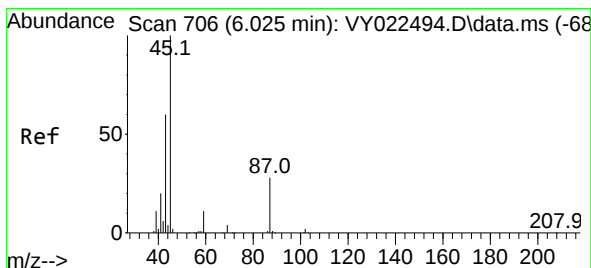
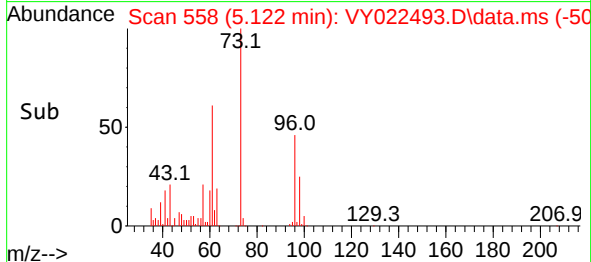
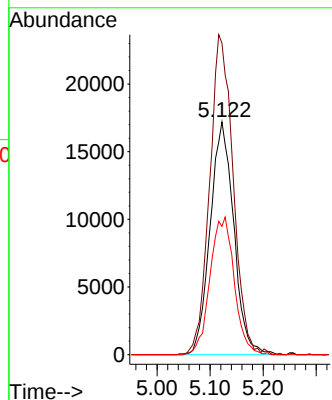
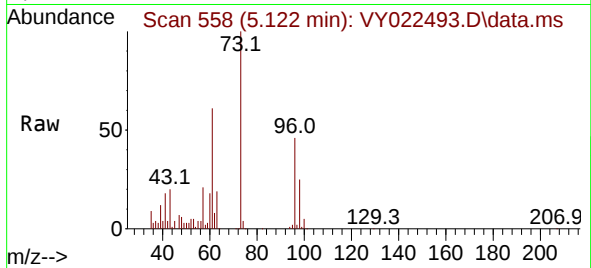




#21
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 5.122 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

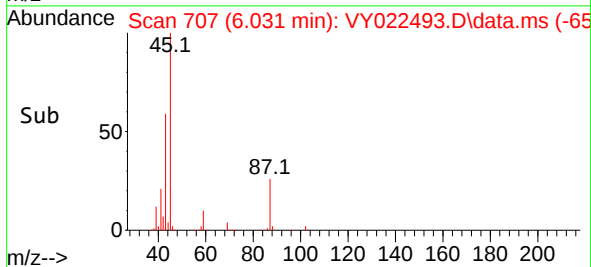
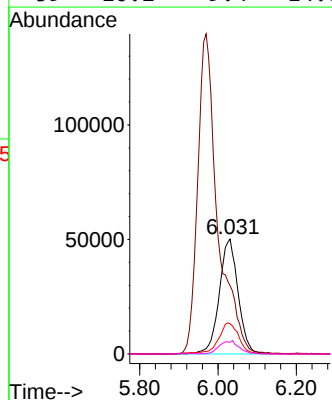
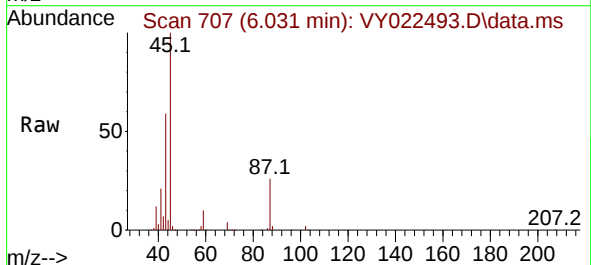
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

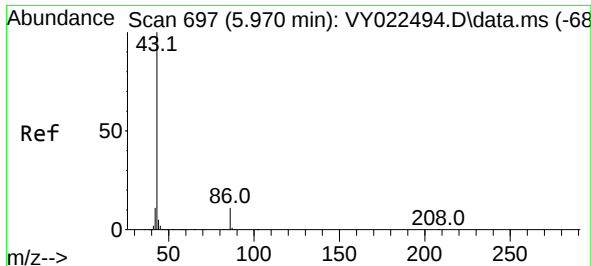
Tgt Ion: 96 Resp: 53194
Ion Ratio Lower Upper
96 100
61 133.3 112.6 169.0
98 55.1 50.6 75.8



#22
Diisopropyl ether
Concen: 21.739 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 45 Resp: 168064
Ion Ratio Lower Upper
45 100
43 59.0 48.3 72.5
87 26.3 23.0 34.6
59 10.2 9.4 14.0

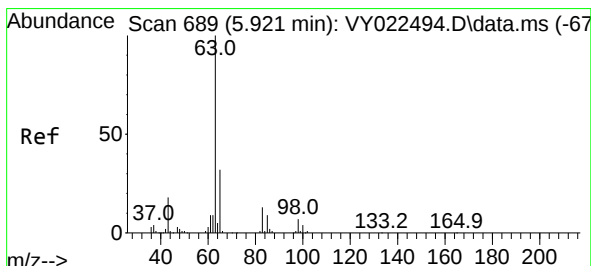
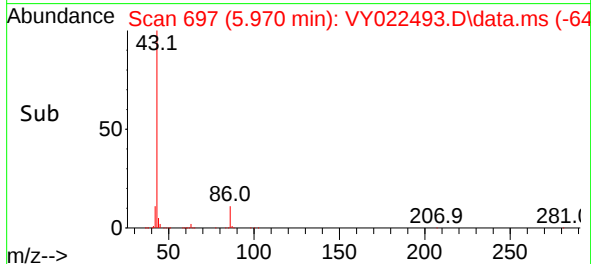
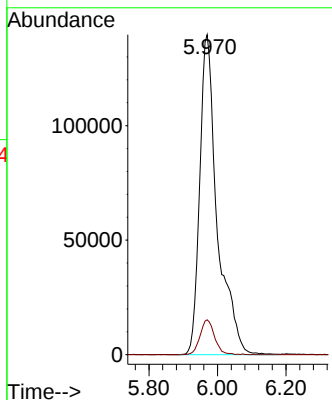
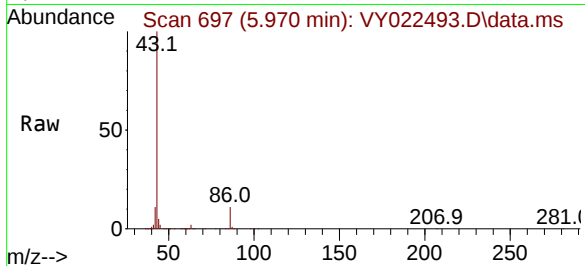




#23
 Vinyl Acetate
 Concen: 108.569 ug/l
 RT: 5.970 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VY022493.D
 Acq: 02 Jun 2025 12:32

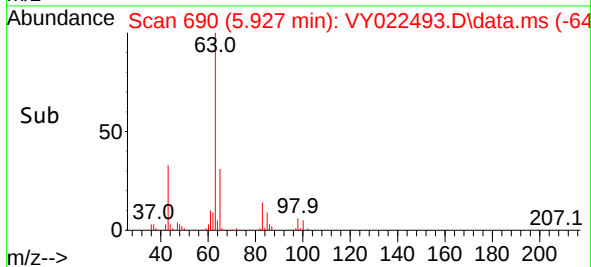
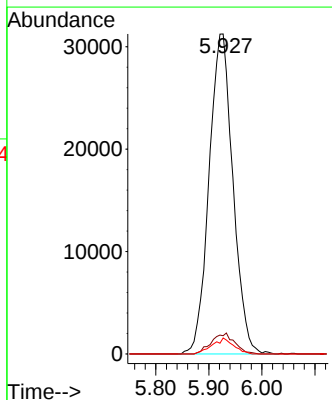
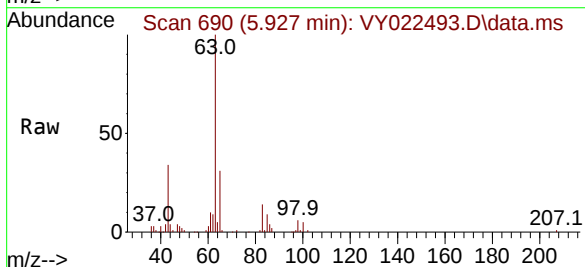
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Tgt Ion: 43 Resp: 497937
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 21.392 ug/l
 RT: 5.927 min Scan# 690
 Delta R.T. 0.006 min
 Lab File: VY022493.D
 Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 97760
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.4 10.1
 100 5.0 2.1 6.3





#25

2-Butanone

Concen: 112.124 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

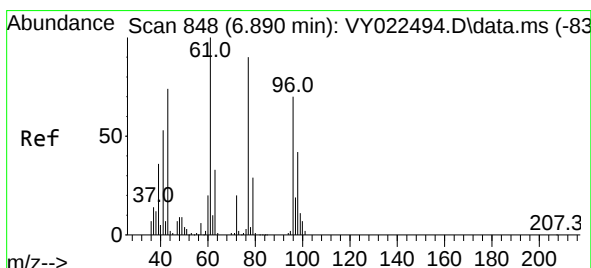
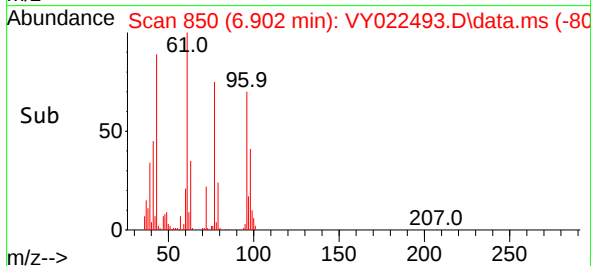
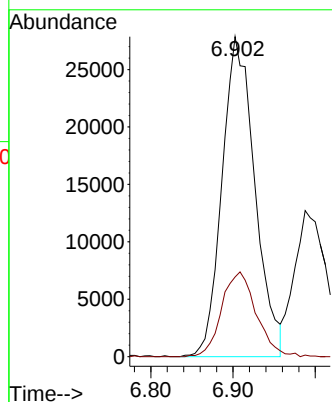
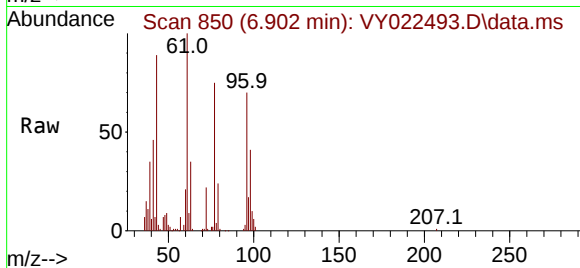
VSTDICC020

Tgt Ion: 43 Resp: 77329

Ion Ratio Lower Upper

43 100

72 24.9 22.9 34.3



#26

2,2-Dichloropropane

Concen: 20.811 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022493.D

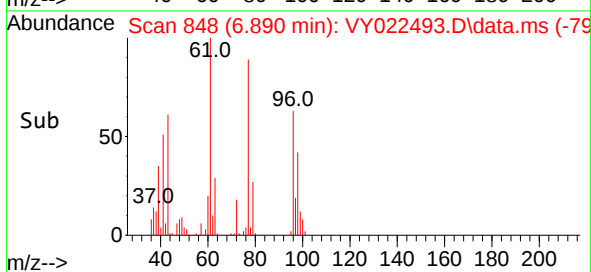
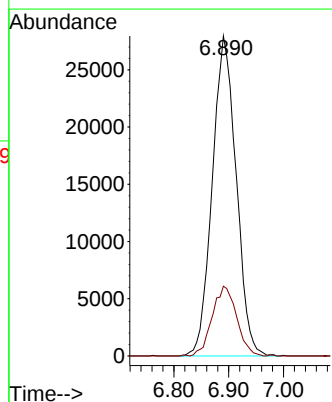
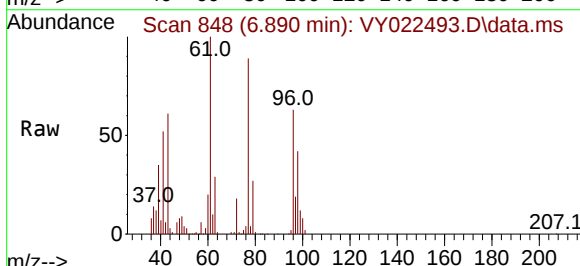
Acq: 02 Jun 2025 12:32

Tgt Ion: 77 Resp: 84543

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.300 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

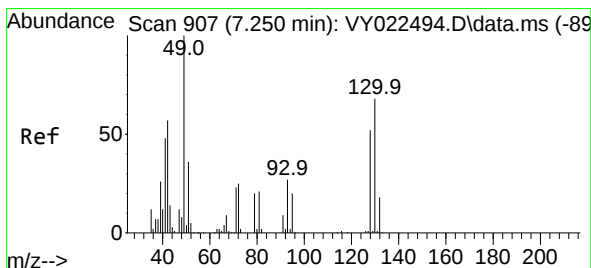
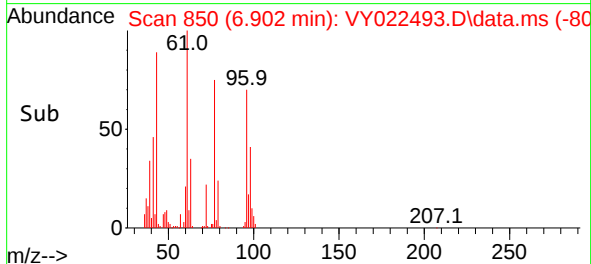
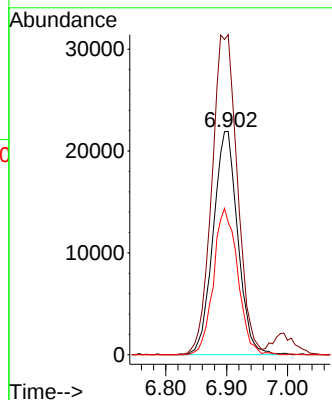
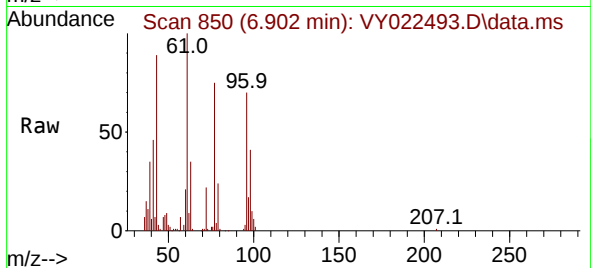
Tgt Ion: 96 Resp: 61362

Ion Ratio Lower Upper

96 100

61 149.0 0.0 290.0

98 64.4 0.0 128.4



#28

Bromochloromethane

Concen: 21.085 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

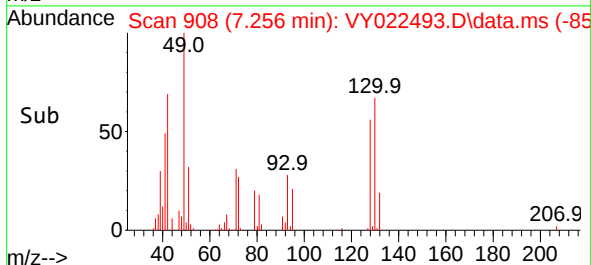
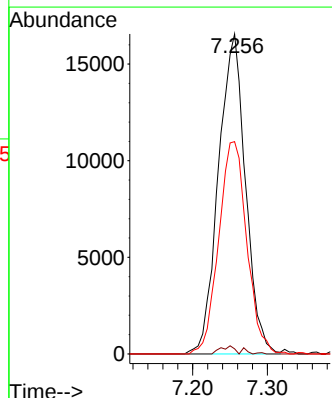
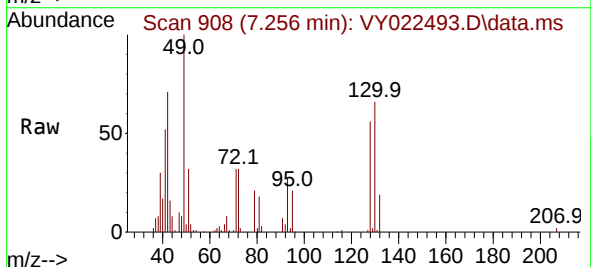
Tgt Ion: 49 Resp: 41634

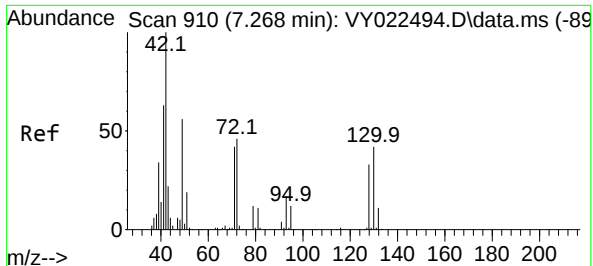
Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.6

130 69.0 55.7 83.5





#29

Tetrahydrofuran

Concen: 111.296 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

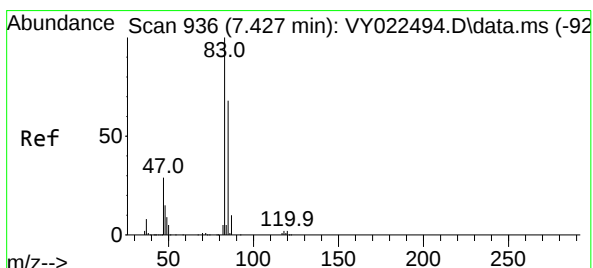
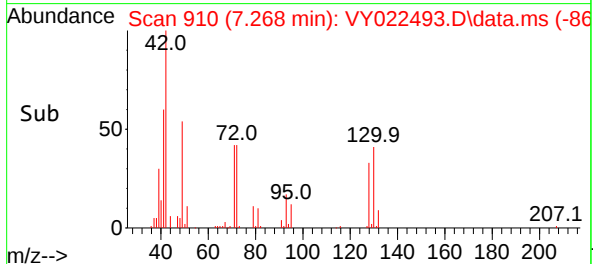
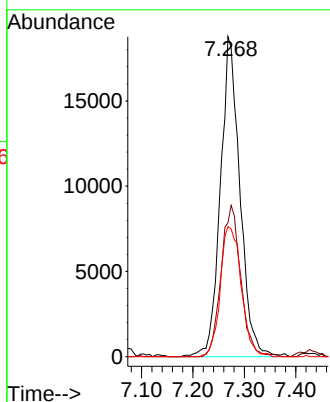
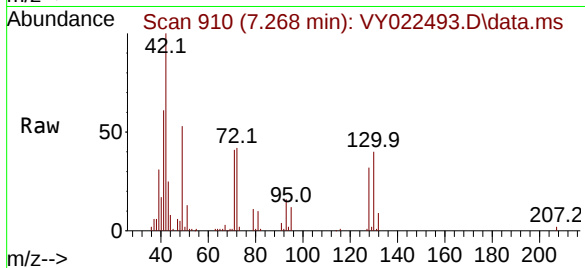
Tgt Ion: 42 Resp: 49517

Ion Ratio Lower Upper

42 100

72 47.6 37.4 56.2

71 43.6 34.2 51.2



#30

Chloroform

Concen: 21.350 ug/l

RT: 7.427 min Scan# 936

Delta R.T. -0.000 min

Lab File: VY022493.D

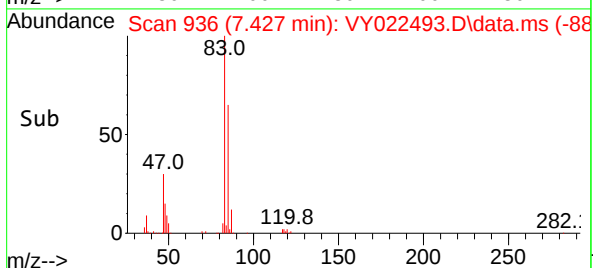
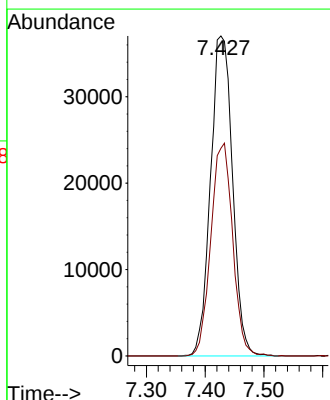
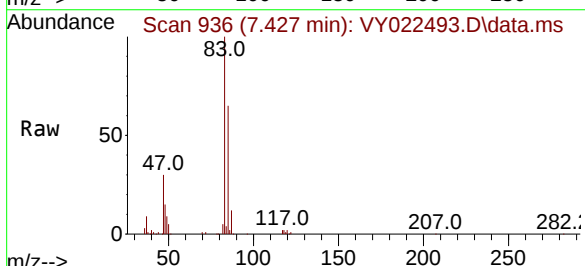
Acq: 02 Jun 2025 12:32

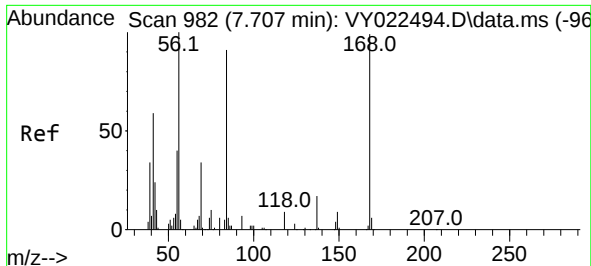
Tgt Ion: 83 Resp: 96414

Ion Ratio Lower Upper

83 100

85 64.9 54.2 81.4

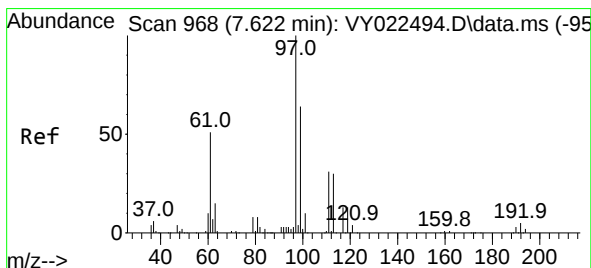
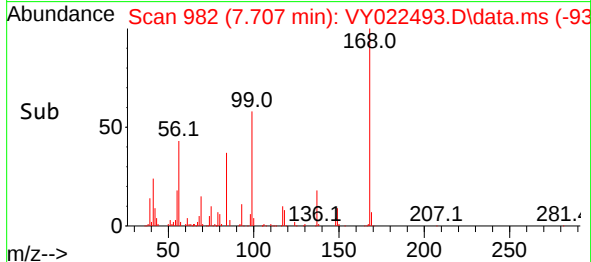
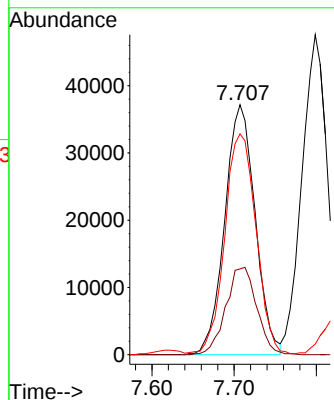
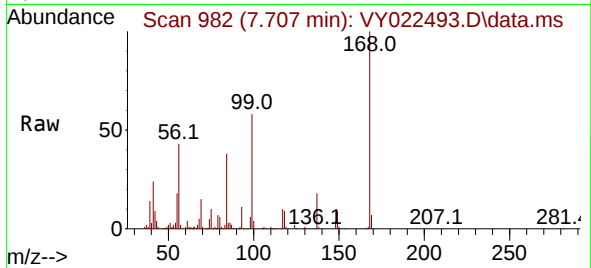




#31
Cyclohexane
Concen: 20.762 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

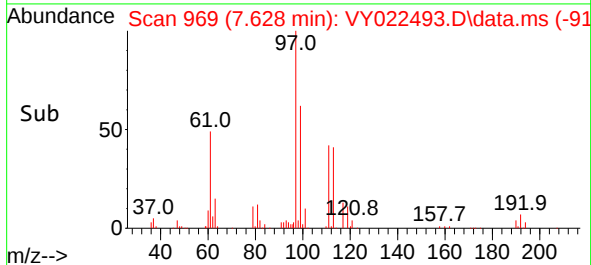
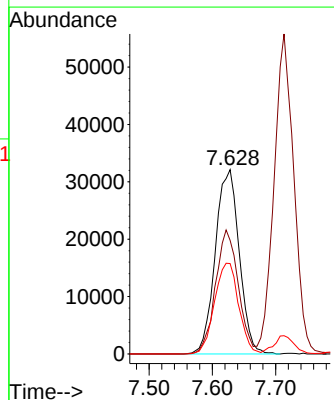
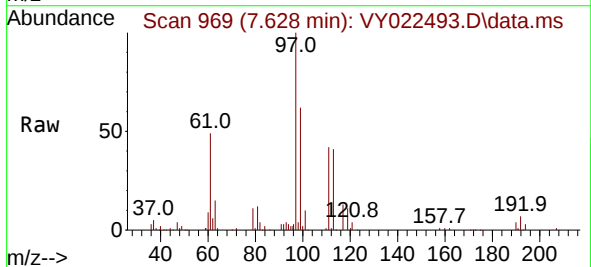
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 95487
Ion Ratio Lower Upper
56 100
69 34.3 27.0 40.6
84 87.0 72.6 109.0



#32
1,1,1-Trichloroethane
Concen: 20.905 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 84365
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 49.7 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 20.457 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

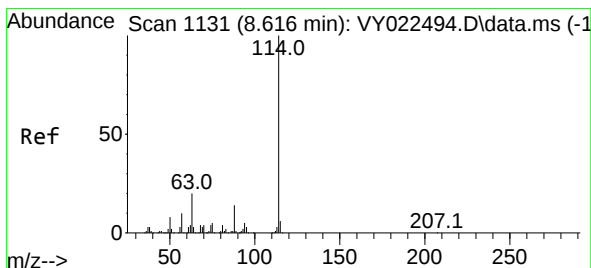
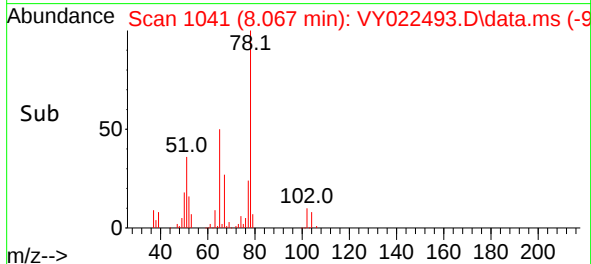
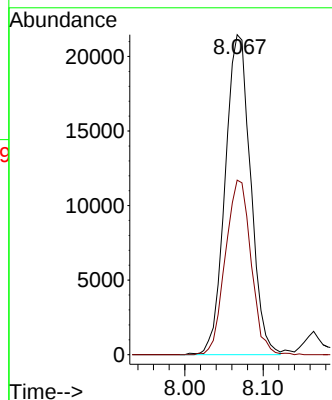
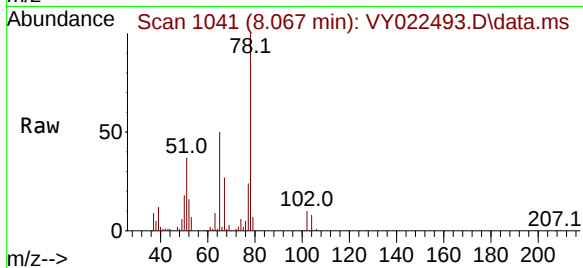
VSTDICC020

Tgt Ion: 65 Resp: 48383

Ion Ratio Lower Upper

65 100

67 55.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

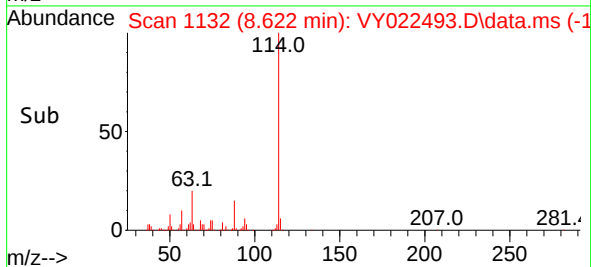
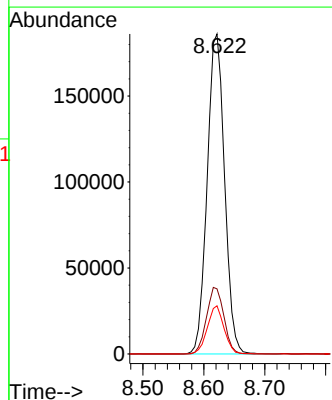
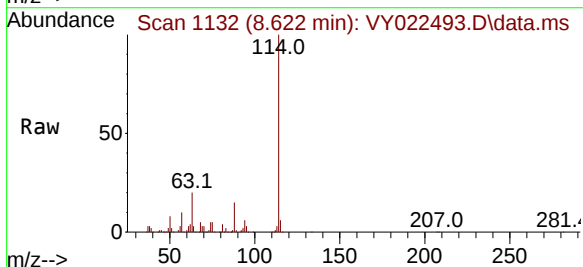
Tgt Ion:114 Resp: 369398

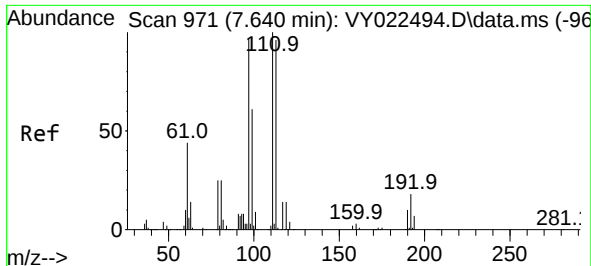
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 20.456 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

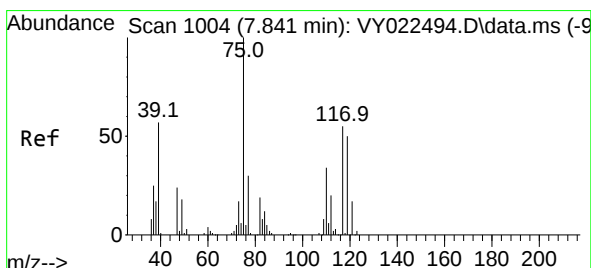
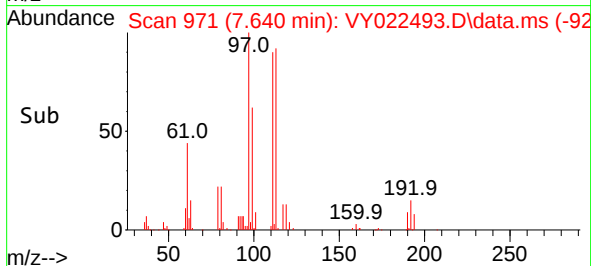
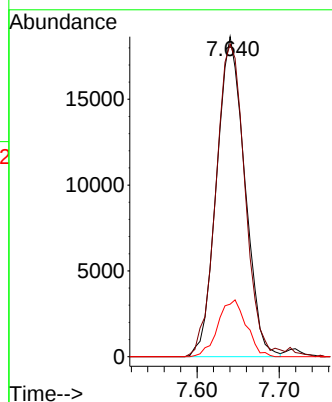
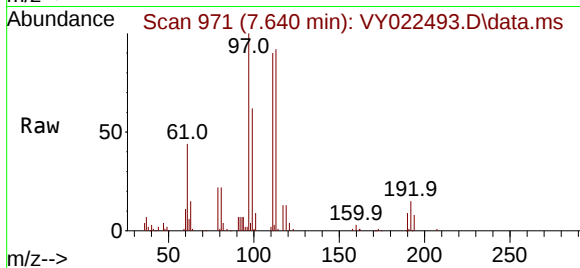
Tgt Ion:113 Resp: 44482

Ion Ratio Lower Upper

113 100

111 100.5 81.1 121.7

192 17.8 14.2 21.2



#36

1,1-Dichloropropene

Concen: 20.670 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

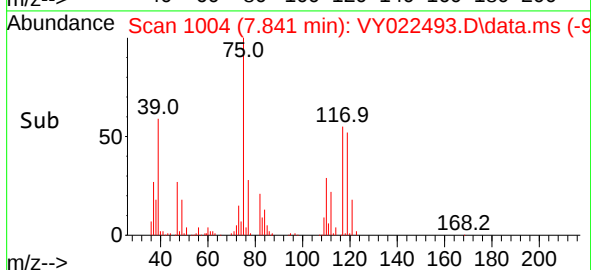
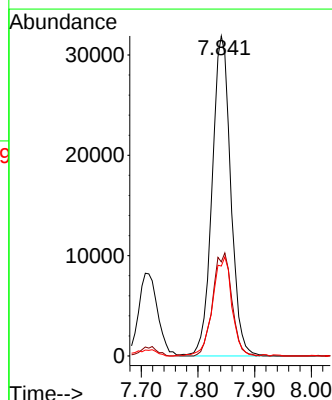
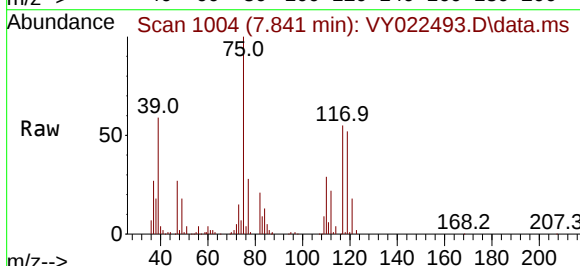
Tgt Ion: 75 Resp: 72658

Ion Ratio Lower Upper

75 100

110 33.2 16.9 50.7

77 32.2 24.8 37.2

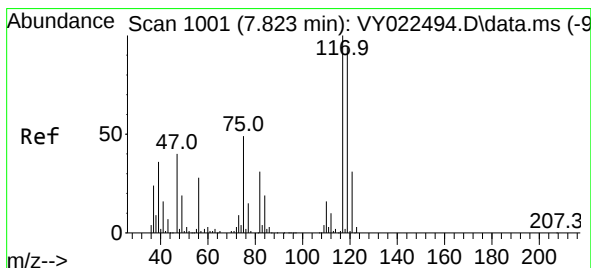
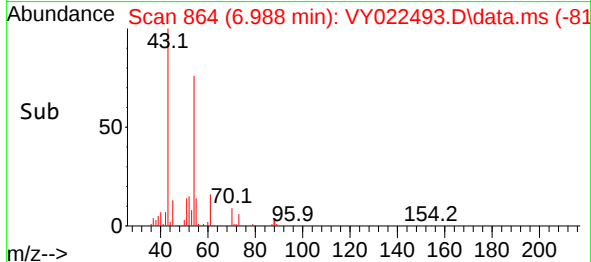
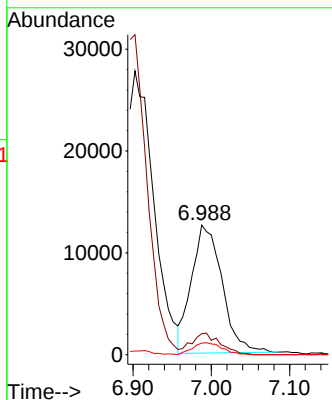
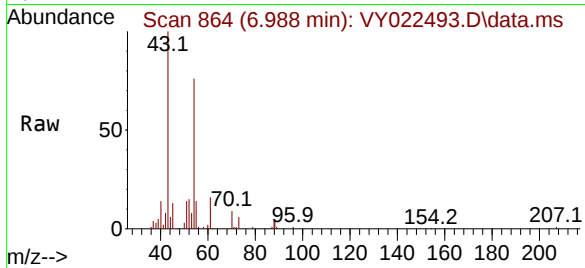




#37
Ethyl Acetate
Concen: 22.110 ug/l
RT: 6.988 min Scan# 864
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

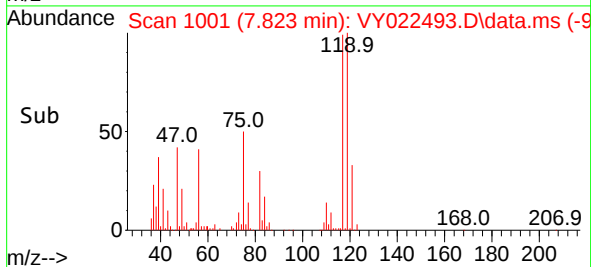
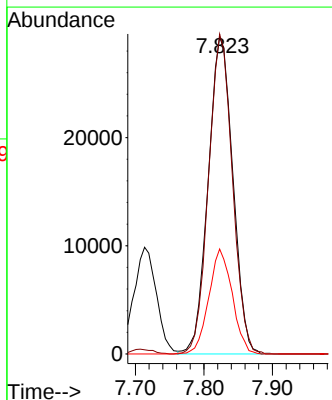
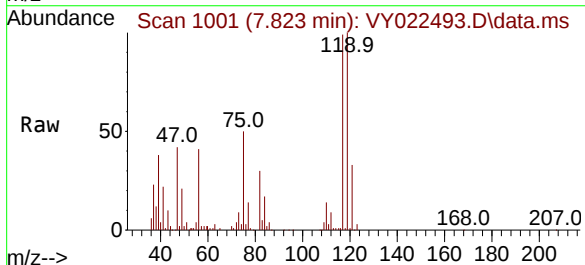
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

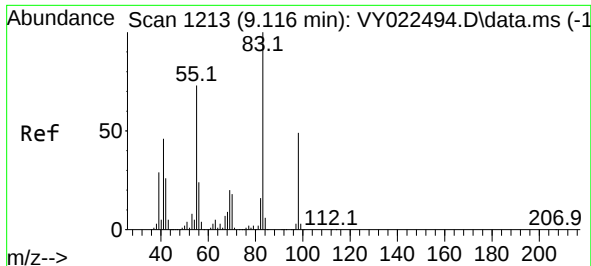
Tgt Ion: 43 Resp: 34204
Ion Ratio Lower Upper
43 100
61 15.9 11.5 17.3
70 8.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 20.247 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 117 Resp: 73370
Ion Ratio Lower Upper
117 100
119 101.1 75.0 112.6
121 33.2 25.0 37.4





#39

Methylcyclohexane

Concen: 20.065 ug/l

RT: 9.115 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

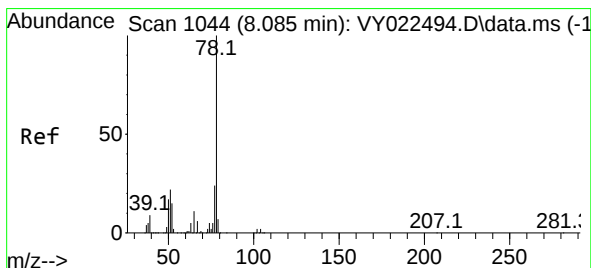
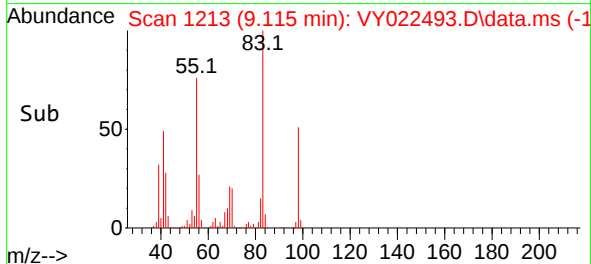
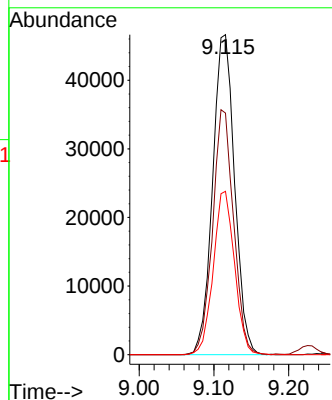
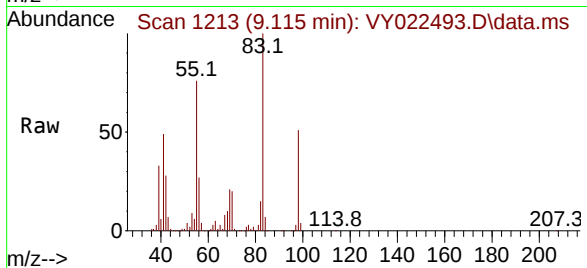
Tgt Ion: 83 Resp: 95280

Ion Ratio Lower Upper

83 100

55 75.5 58.1 87.1

98 51.1 39.0 58.6



#40

Benzene

Concen: 21.000 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY022493.D

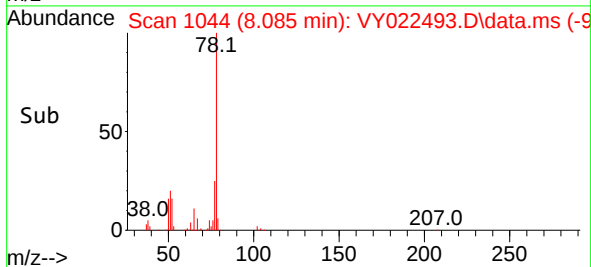
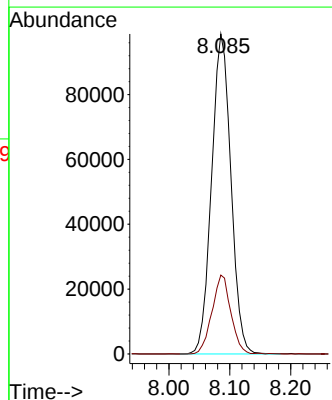
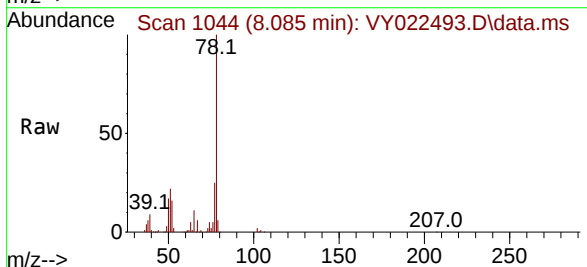
Acq: 02 Jun 2025 12:32

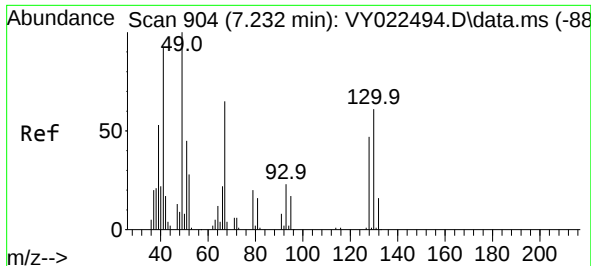
Tgt Ion: 78 Resp: 217595

Ion Ratio Lower Upper

78 100

77 24.7 19.3 28.9

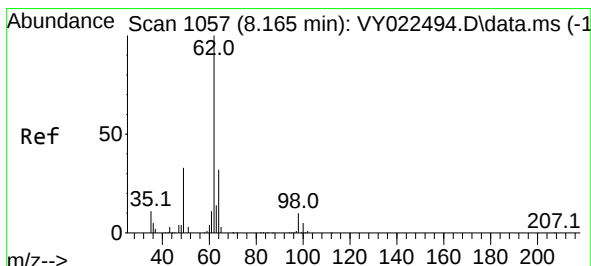
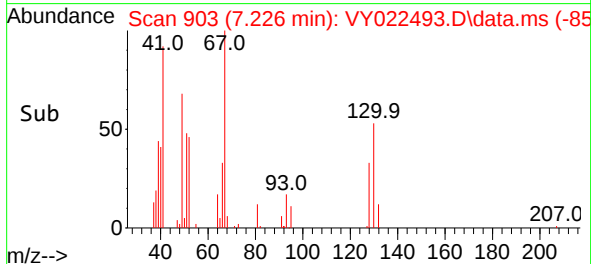
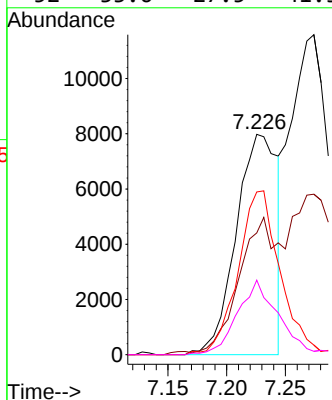
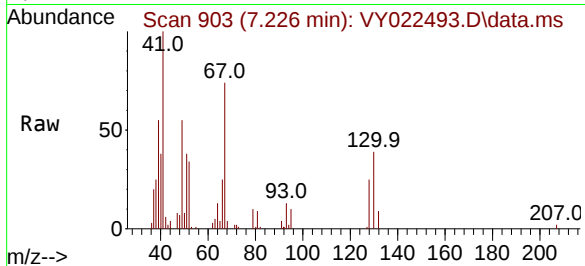




#41
Methacrylonitrile
Concen: 19.542 ug/l
RT: 7.226 min Scan# 904
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

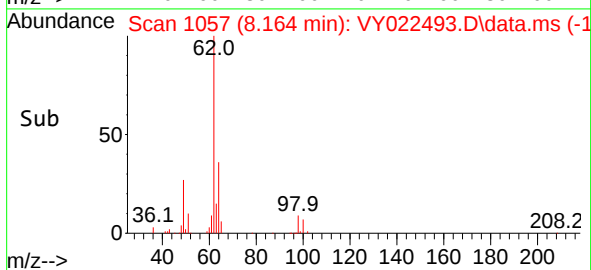
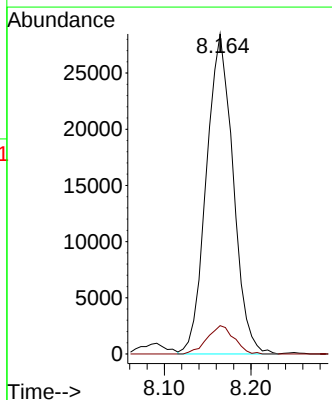
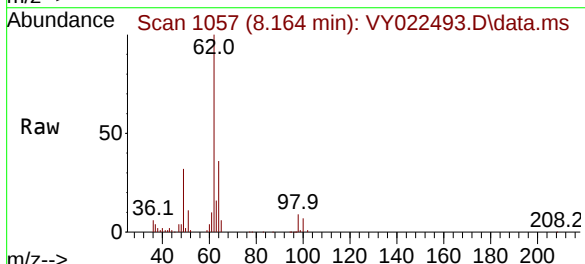
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

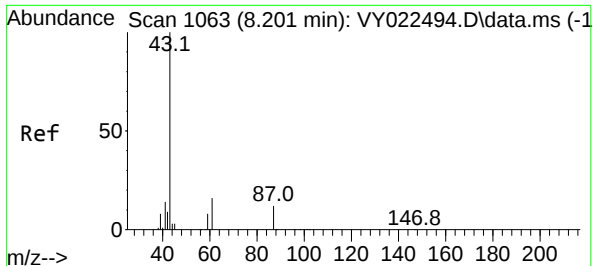
Tgt Ion: 41	Resp: 19470
Ion Ratio	Lower Upper
41 100	
39 64.4	46.6 69.8
67 76.2	63.3 94.9
52 33.6	27.5 41.3



#42
1,2-Dichloroethane
Concen: 21.676 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62	Resp: 61097
Ion Ratio	Lower Upper
62 100	
98 8.9	0.0 19.2

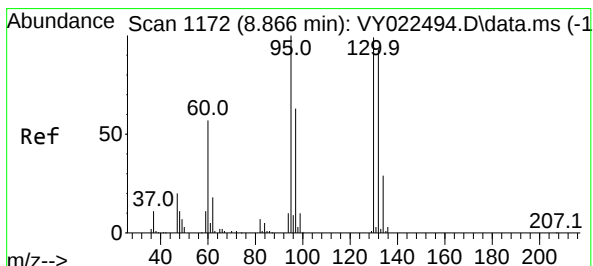
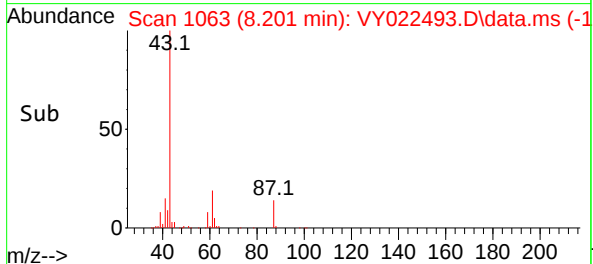
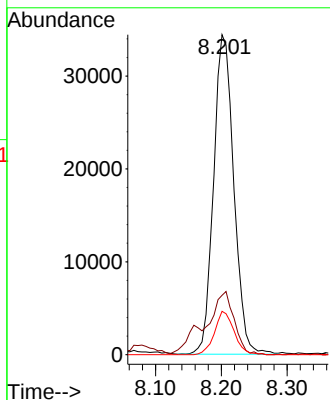
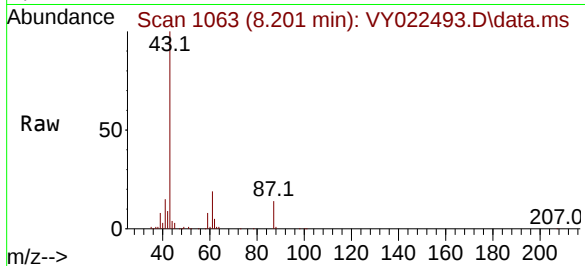




#43
Isopropyl Acetate
Concen: 21.814 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

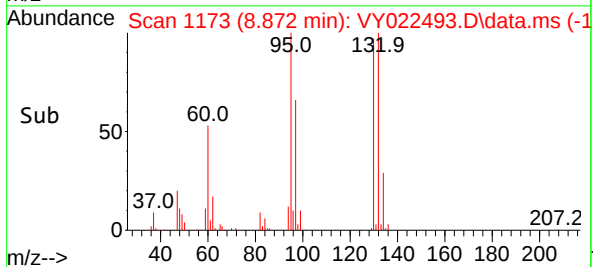
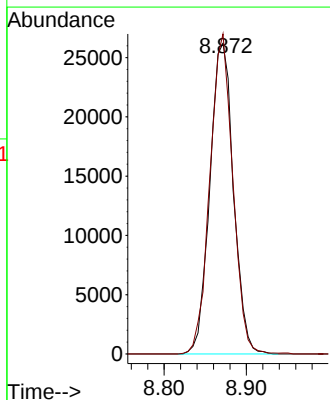
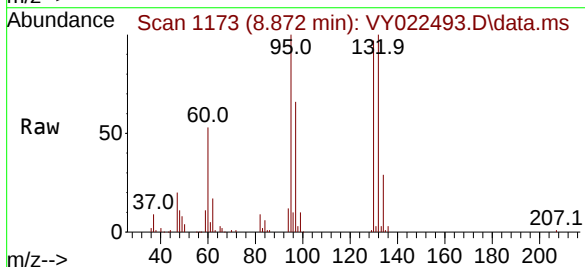
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

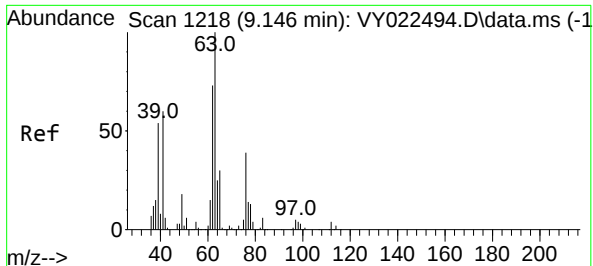
Tgt Ion: 43 Resp: 73745
Ion Ratio Lower Upper
43 100
61 21.6 15.6 23.4
87 13.1 10.2 15.4



#44
Trichloroethene
Concen: 20.613 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:130 Resp: 52175
Ion Ratio Lower Upper
130 100
95 103.0 0.0 203.0





#45

1,2-Dichloropropane

Concen: 21.204 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

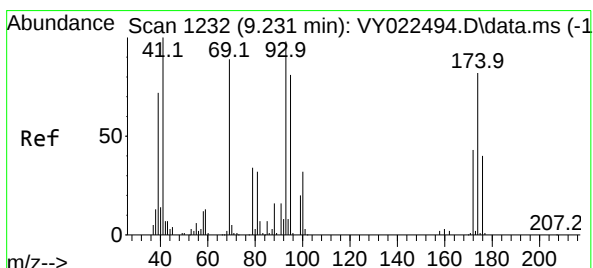
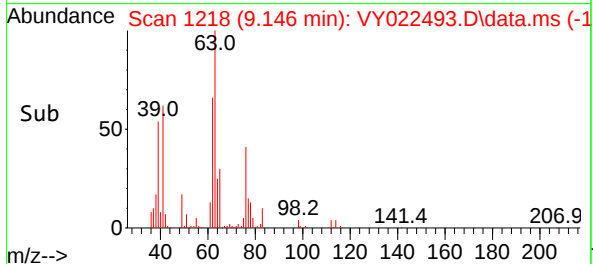
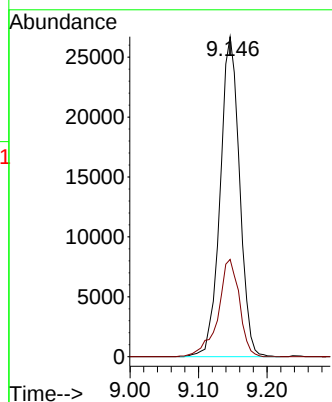
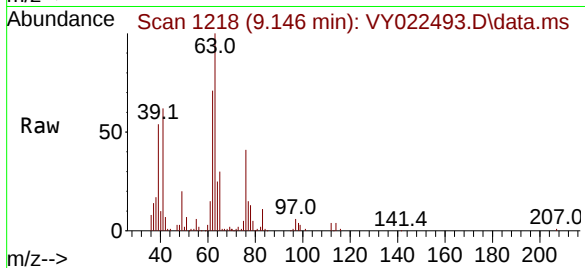
VSTDICC020

Tgt Ion: 63 Resp: 52378

Ion Ratio Lower Upper

63 100

65 30.4 24.0 36.0



#46

Dibromomethane

Concen: 21.491 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

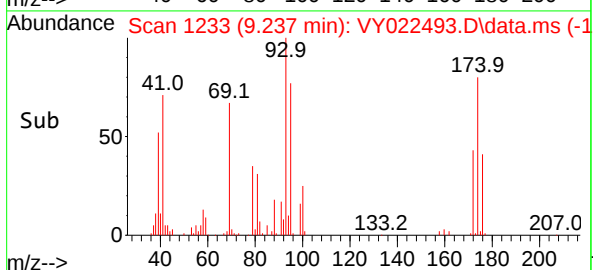
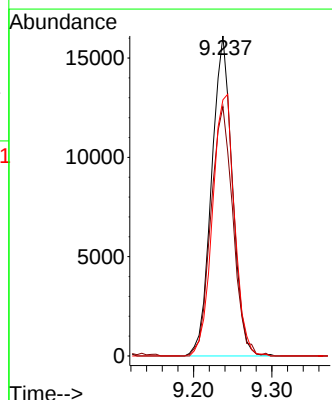
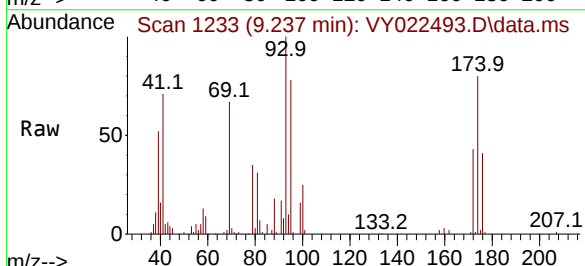
Tgt Ion: 93 Resp: 29741

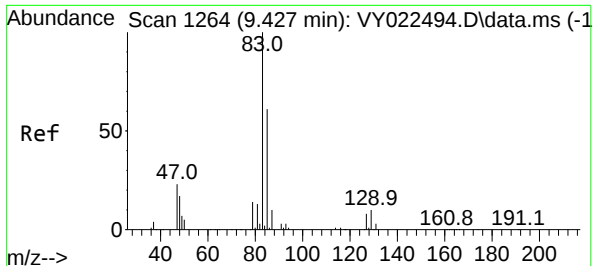
Ion Ratio Lower Upper

93 100

95 82.6 65.6 98.4

174 86.2 70.4 105.6

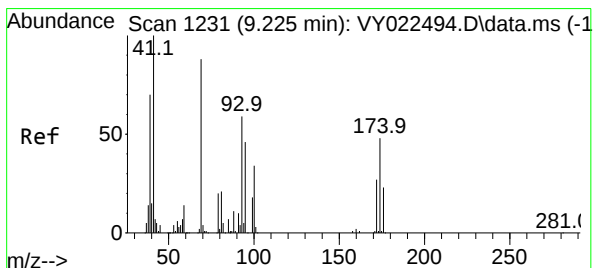
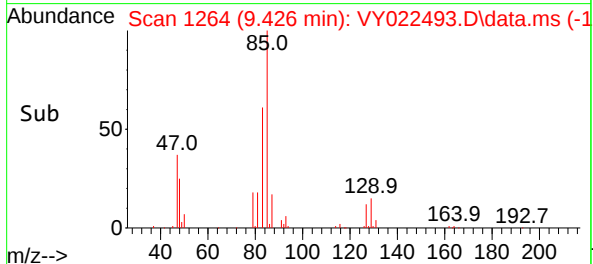
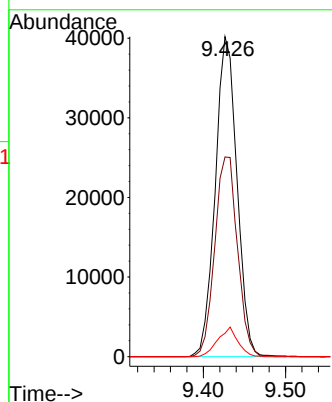
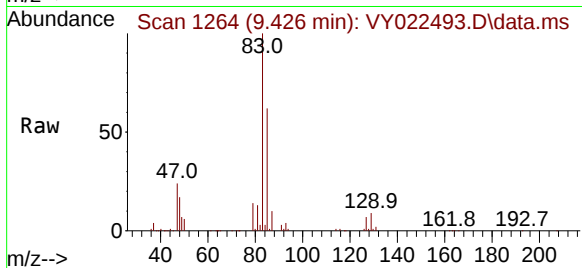




#47
Bromodichloromethane
Concen: 20.995 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

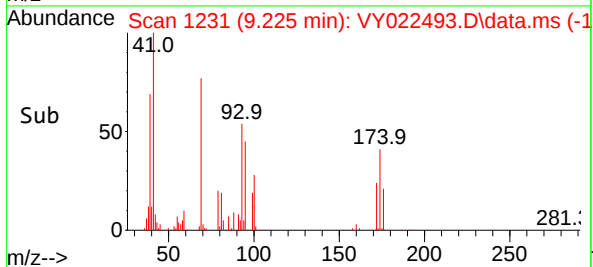
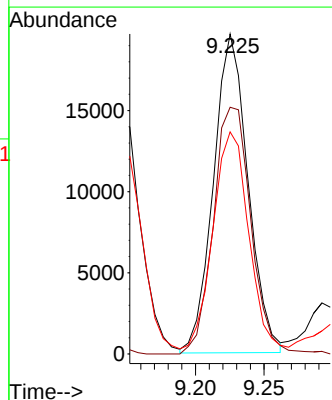
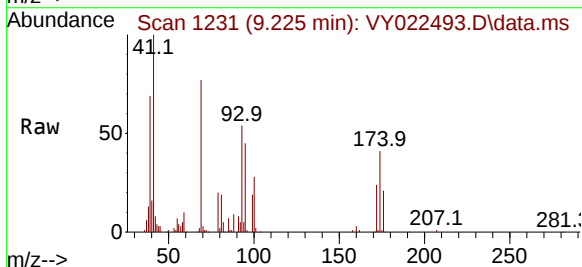
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

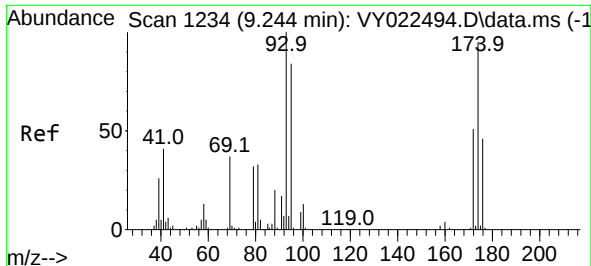
Tgt Ion: 83 Resp: 73717
Ion Ratio Lower Upper
83 100
85 62.4 49.1 73.7
127 7.3 6.2 9.4



#48
Methyl methacrylate
Concen: 22.294 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 34508
Ion Ratio Lower Upper
41 100
69 84.1 67.8 101.8
39 69.9 55.0 82.4





#49

1,4-Dioxane

Concen: 450.895 ug/l

RT: 9.237 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

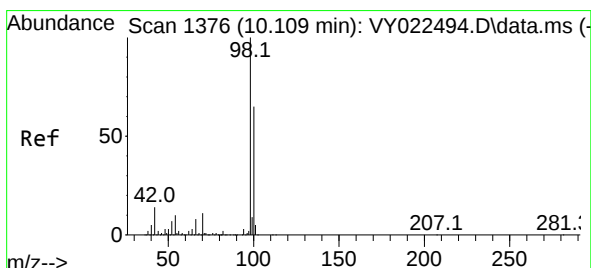
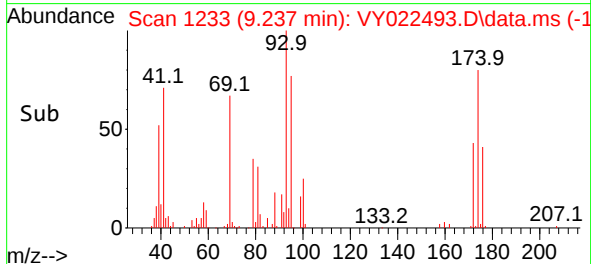
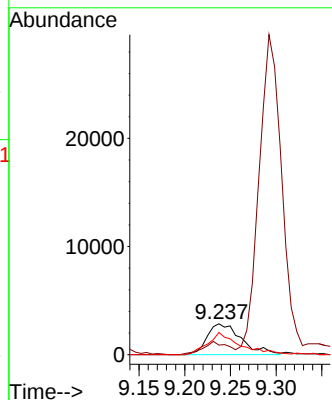
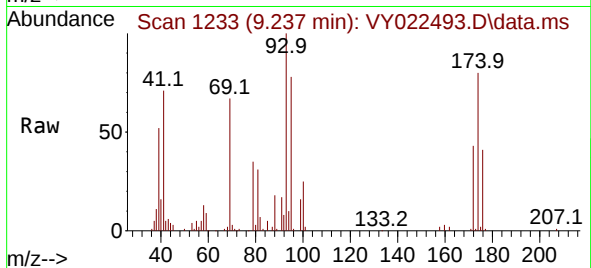
Tgt Ion: 88 Resp: 7444

Ion Ratio Lower Upper

88 100

43 31.1 25.4 38.2

58 67.3 54.9 82.3



#50

Toluene-d8

Concen: 19.474 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022493.D

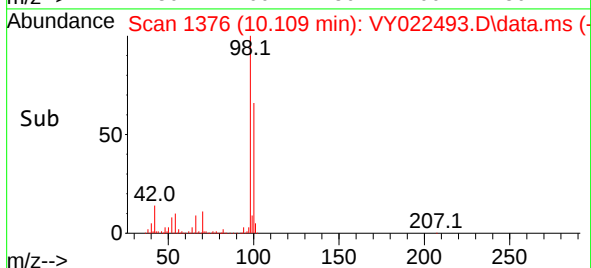
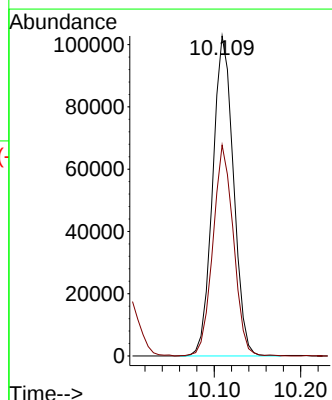
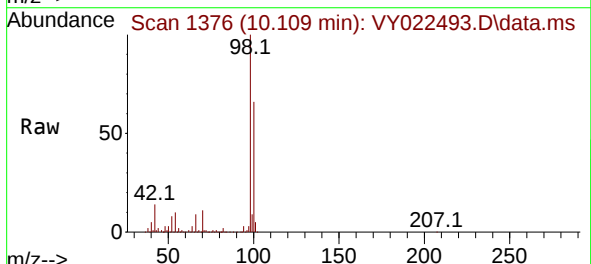
Acq: 02 Jun 2025 12:32

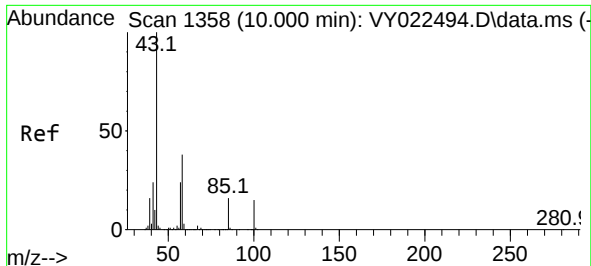
Tgt Ion: 98 Resp: 171165

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0

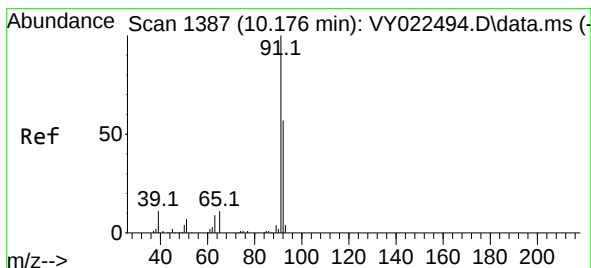
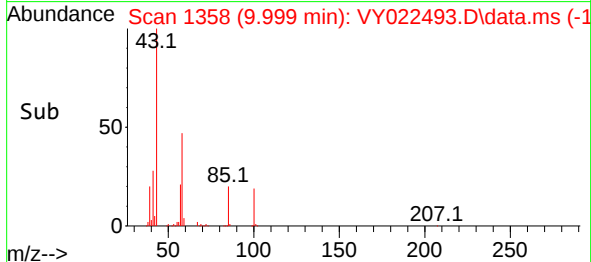
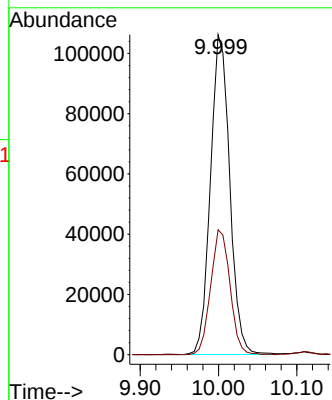
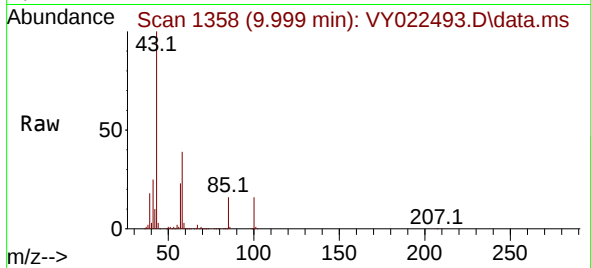




#51
4-Methyl-2-Pentanone
Concen: 108.147 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

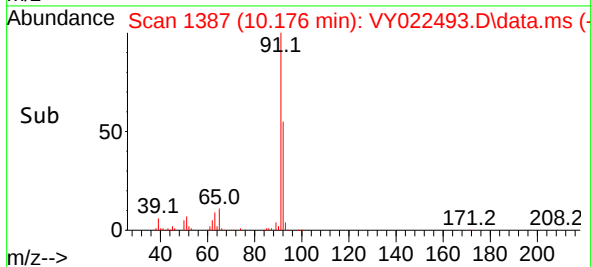
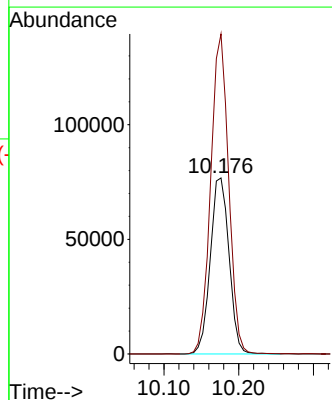
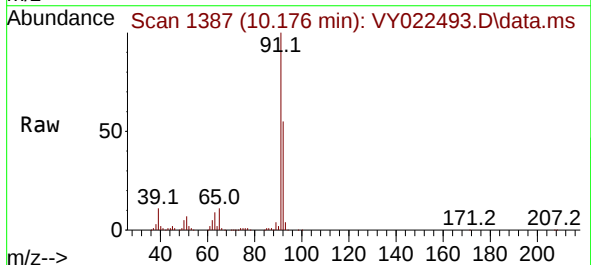
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

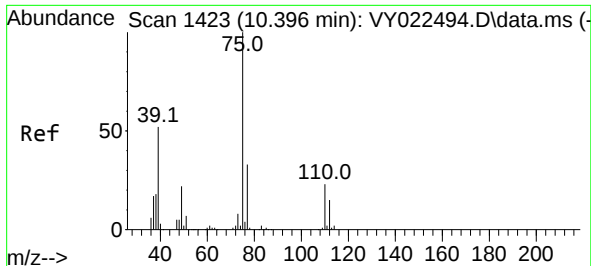
Tgt Ion: 43 Resp: 181461
Ion Ratio Lower Upper
43 100
58 39.2 30.4 45.6



#52
Toluene
Concen: 20.508 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 92 Resp: 133601
Ion Ratio Lower Upper
92 100
91 174.3 139.0 208.4

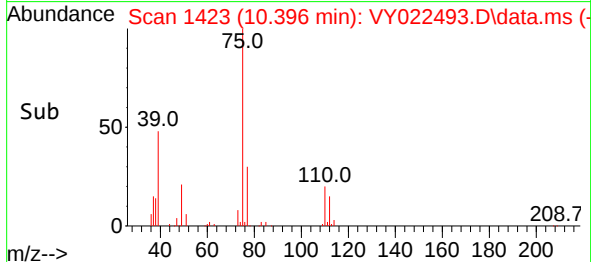
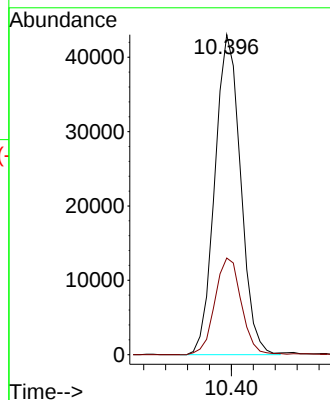
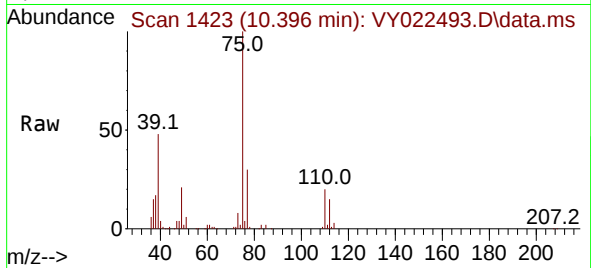




#53
t-1,3-Dichloropropene
Concen: 21.660 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

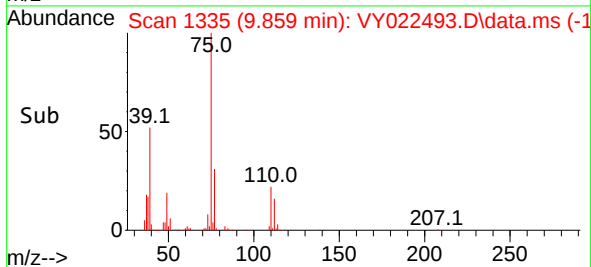
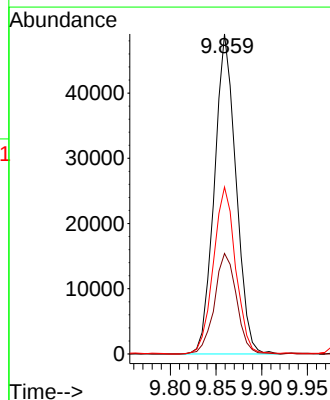
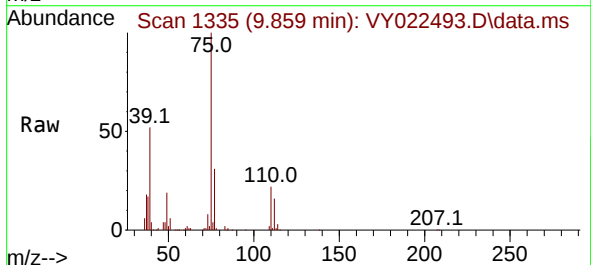
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

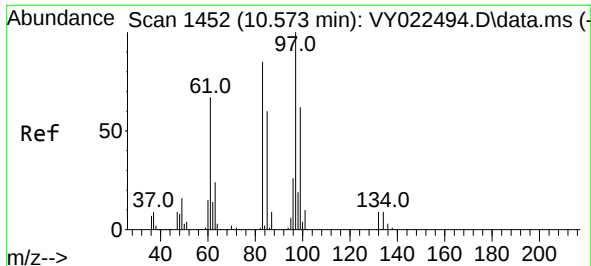
Tgt Ion: 75 Resp: 70358
Ion Ratio Lower Upper
75 100
77 30.2 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 21.141 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 80524
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 52.1 42.7 64.1

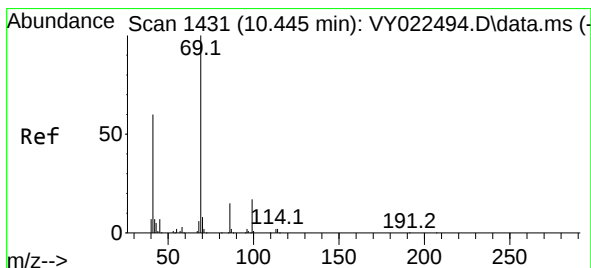
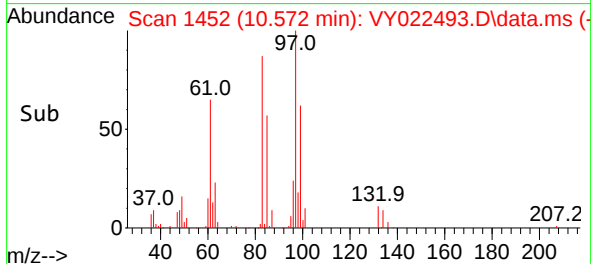
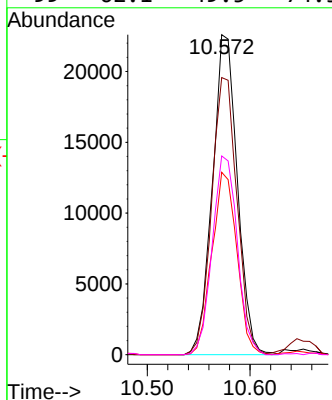
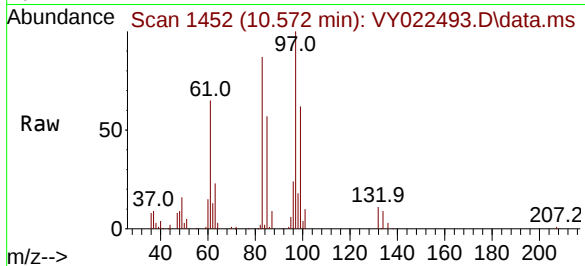




#55
1,1,2-Trichloroethane
Concen: 21.849 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

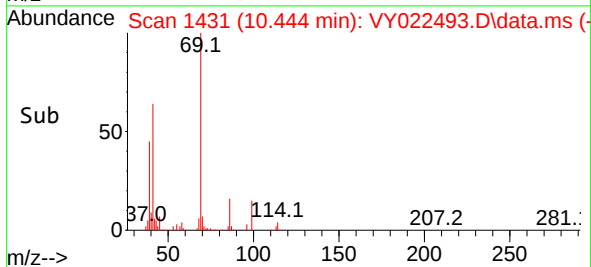
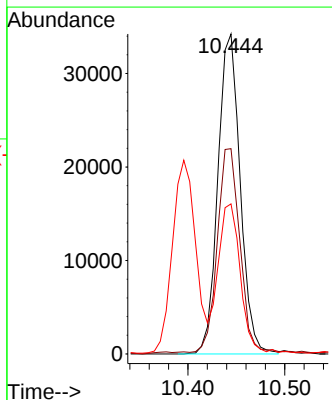
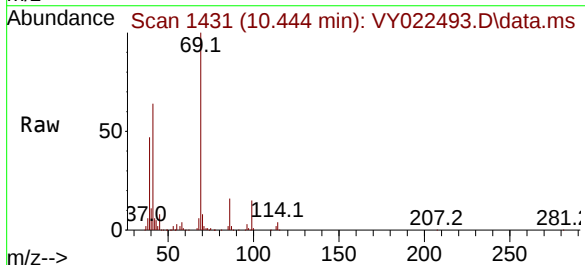
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

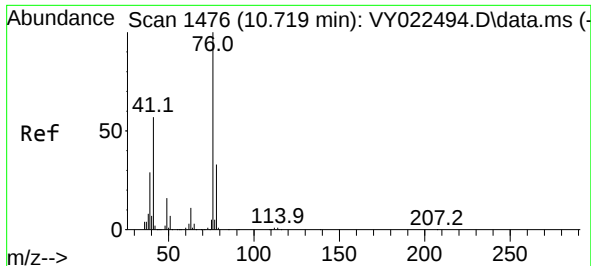
Tgt Ion: 97	Resp: 38079
Ion Ratio	Lower Upper
97 100	
83 86.6	68.1 102.1
85 57.0	48.2 72.2
99 62.1	49.5 74.3



#56
Ethyl methacrylate
Concen: 21.626 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 69	Resp: 54734
Ion Ratio	Lower Upper
69 100	
41 64.8	52.2 78.2
39 46.8	36.7 55.1





#57

1,3-Dichloropropane

Concen: 21.317 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

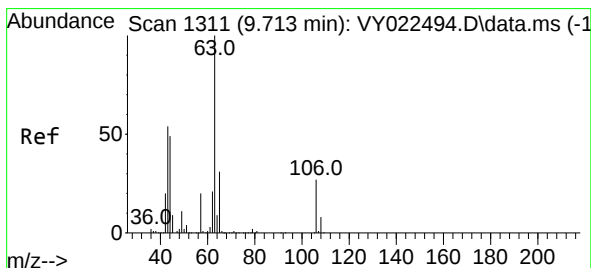
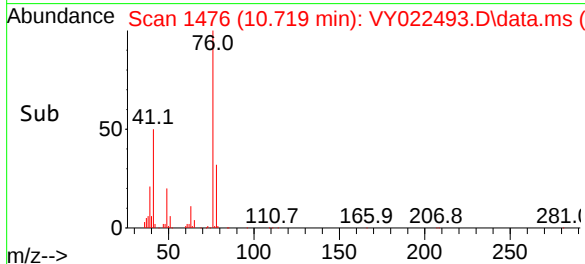
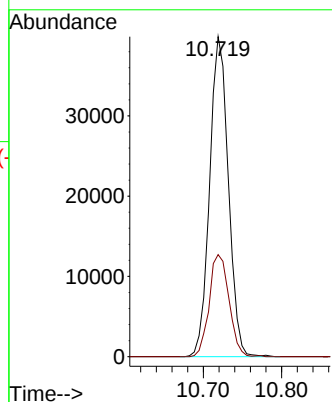
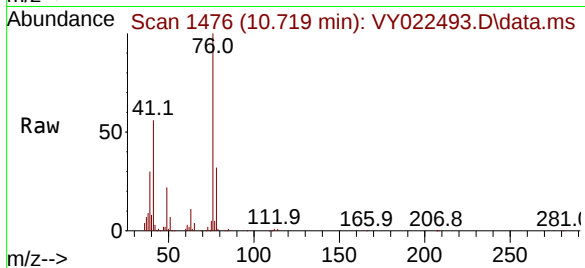
VSTDICC020

Tgt Ion: 76 Resp: 66163

Ion Ratio Lower Upper

76 100

78 33.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 104.797 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022493.D

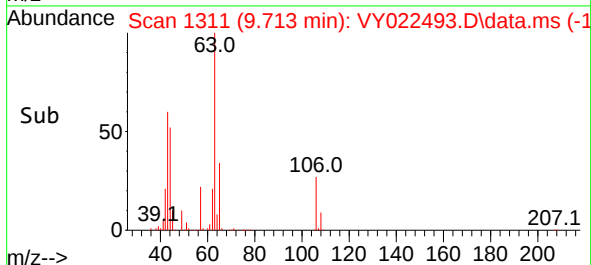
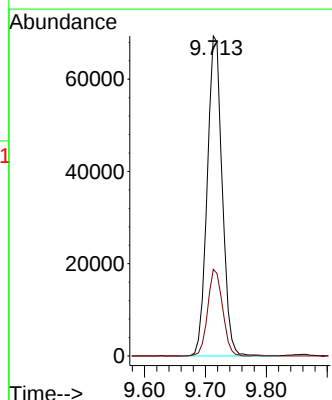
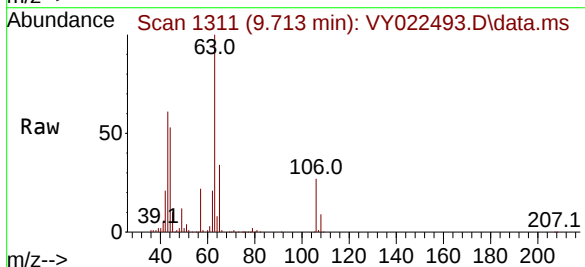
Acq: 02 Jun 2025 12:32

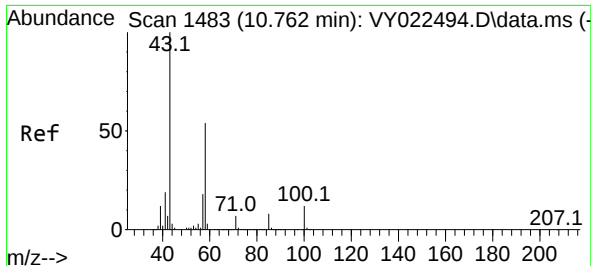
Tgt Ion: 63 Resp: 118244

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4





#59

2-Hexanone

Concen: 109.805 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

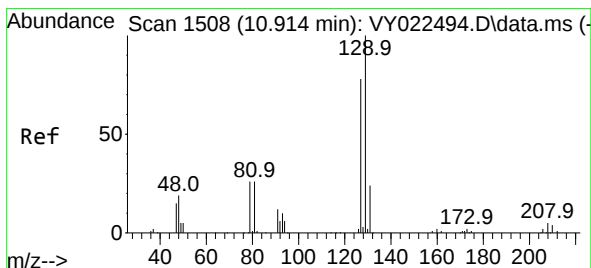
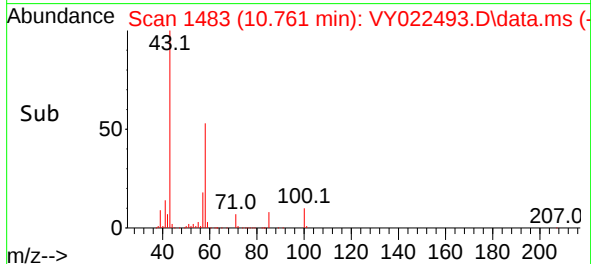
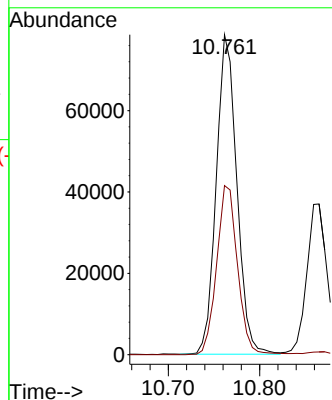
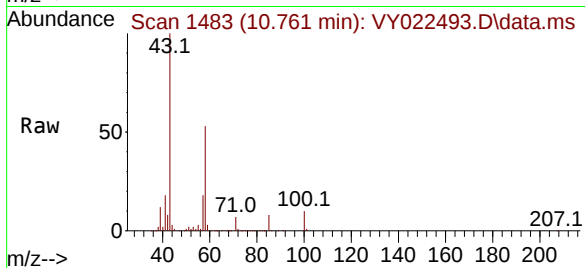
VSTDICC020

Tgt Ion: 43 Resp: 122817

Ion Ratio Lower Upper

43 100

58 53.8 27.3 81.8



#60

Dibromochloromethane

Concen: 21.715 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VY022493.D

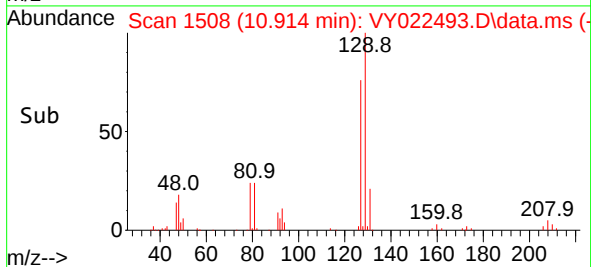
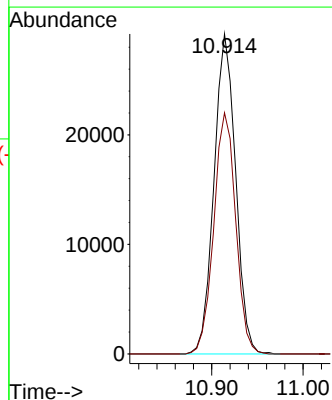
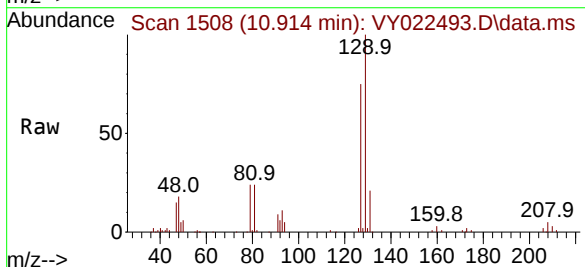
Acq: 02 Jun 2025 12:32

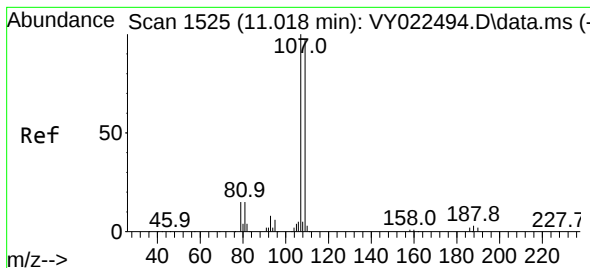
Tgt Ion: 129 Resp: 47952

Ion Ratio Lower Upper

129 100

127 76.5 39.1 117.2

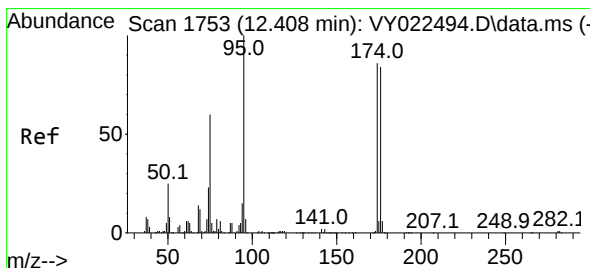
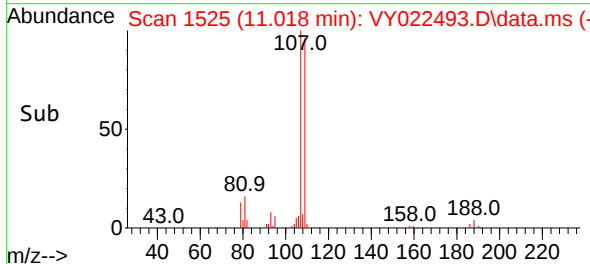
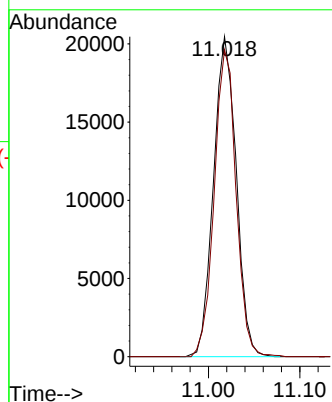
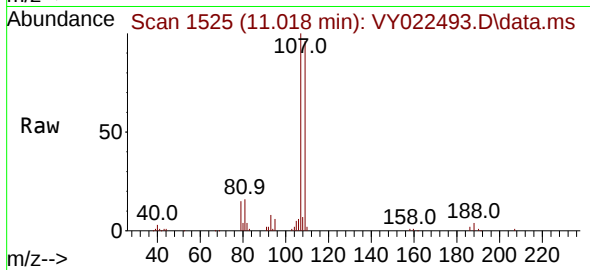




#61
1,2-Dibromoethane
Concen: 21.965 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

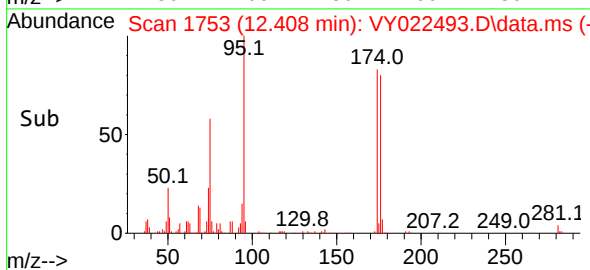
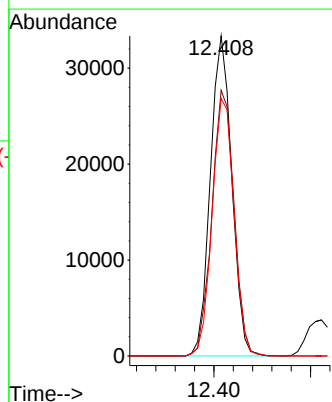
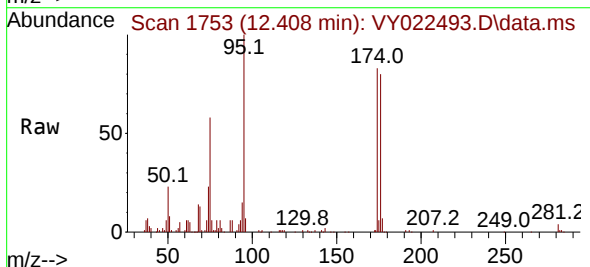
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

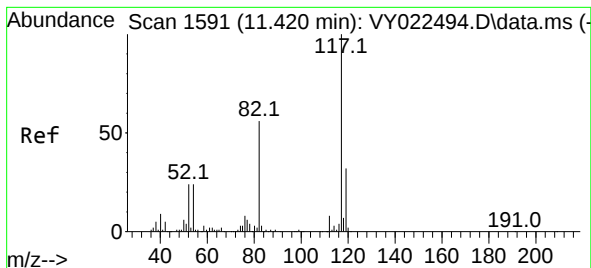
Tgt Ion:107 Resp: 35324
Ion Ratio Lower Upper
107 100
109 92.4 77.7 116.5



#62
4-Bromofluorobenzene
Concen: 19.225 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 95 Resp: 51231
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.0
176 82.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

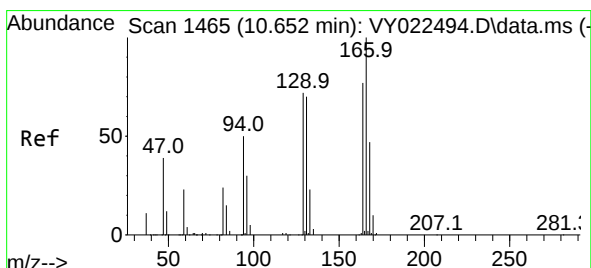
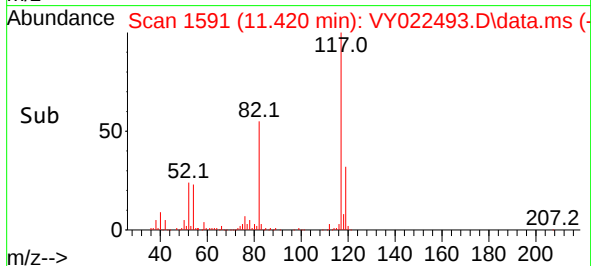
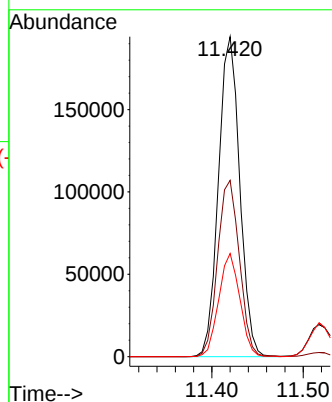
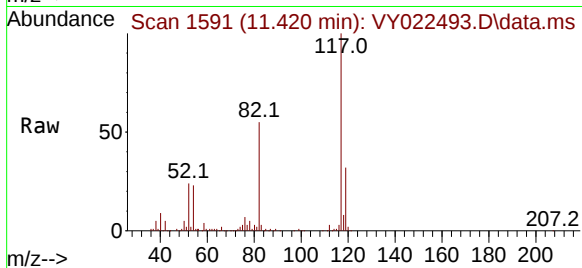
Tgt Ion:117 Resp: 314276

Ion Ratio Lower Upper

117 100

82 55.1 44.6 66.8

119 32.2 25.4 38.0



#64

Tetrachloroethene

Concen: 21.063 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion:164 Resp: 56256

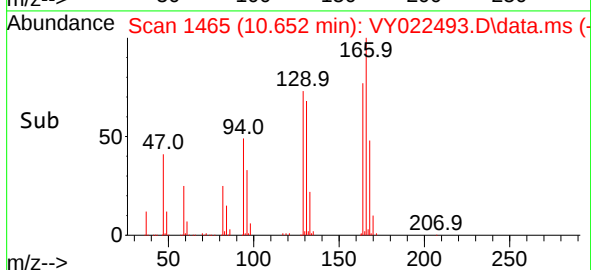
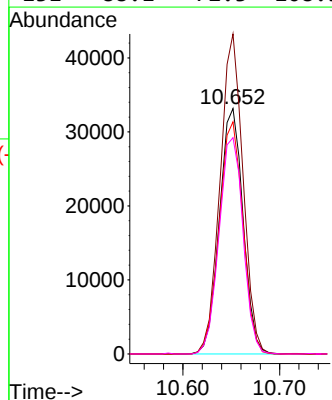
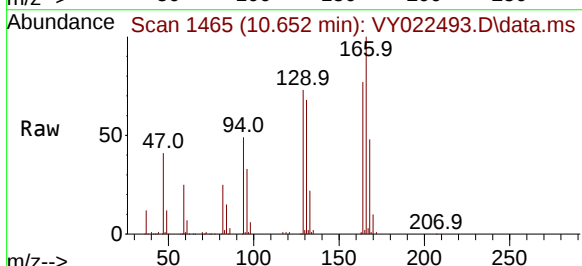
Ion Ratio Lower Upper

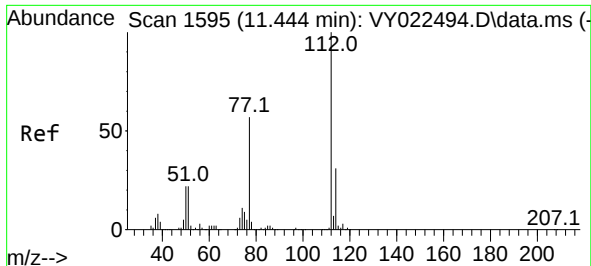
164 100

166 130.3 104.0 156.0

129 94.6 74.5 111.7

131 88.1 72.3 108.5

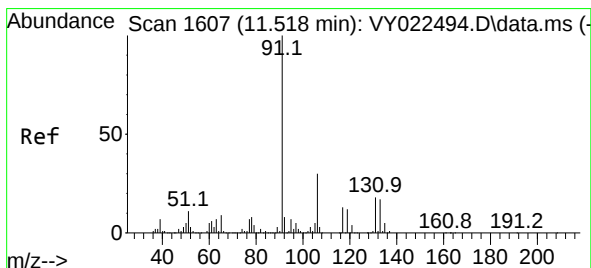
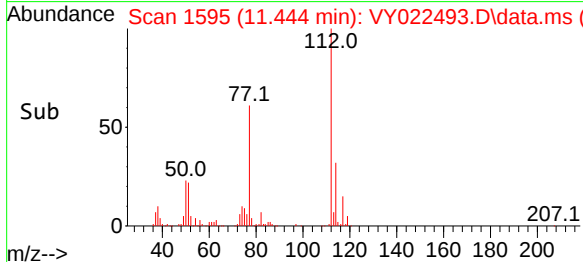
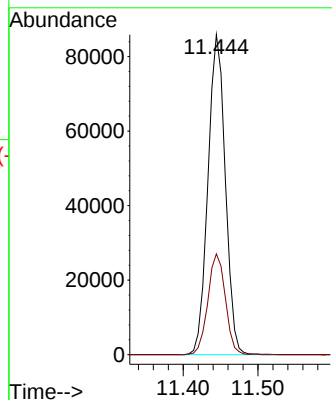
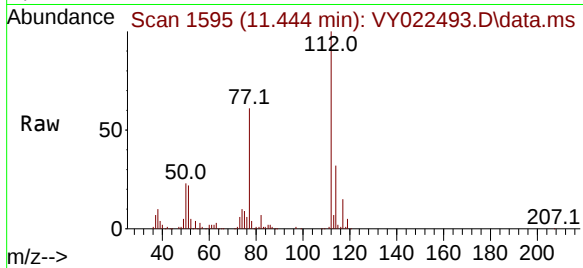




#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

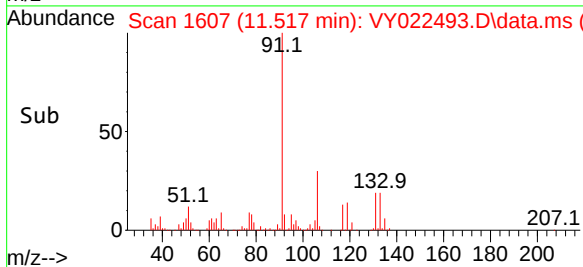
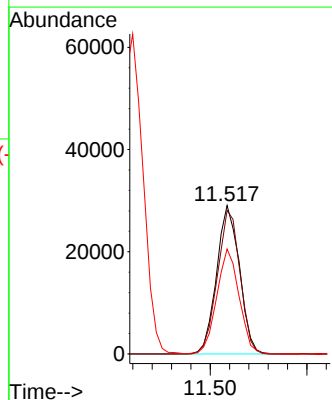
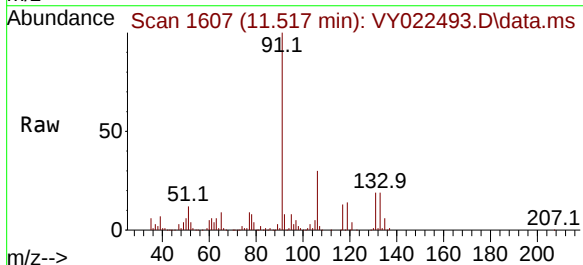
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

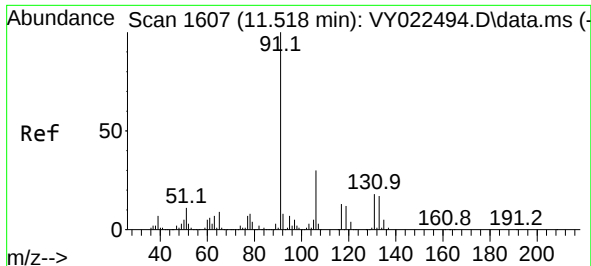
Tgt Ion:112 Resp: 138583
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.600 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:131 Resp: 47587
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.8
119 68.9 33.1 99.3





#67

Ethyl Benzene

Concen: 19.871 ug/l

RT: 11.524 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

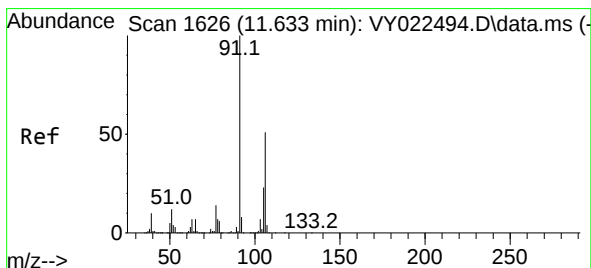
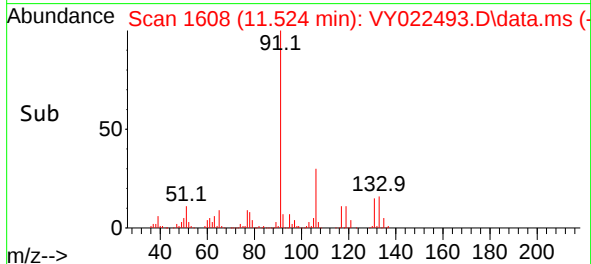
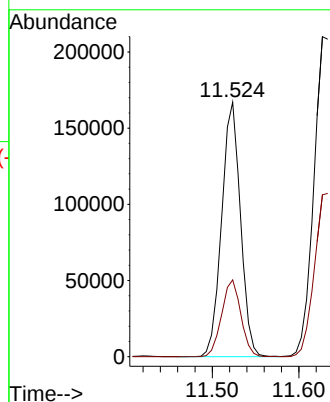
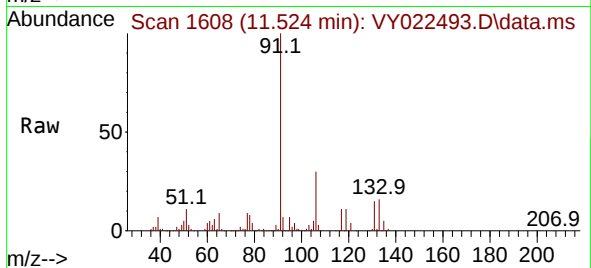
VSTDIC020

Tgt Ion: 91 Resp: 252180

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.4



#68

m/p-Xylenes

Concen: 40.053 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VY022493.D

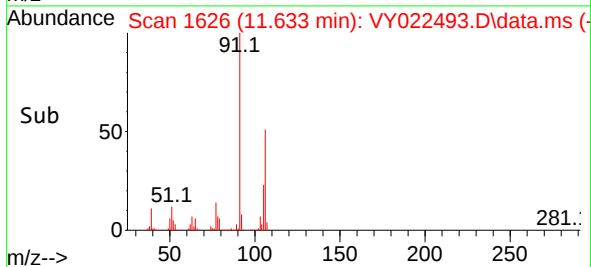
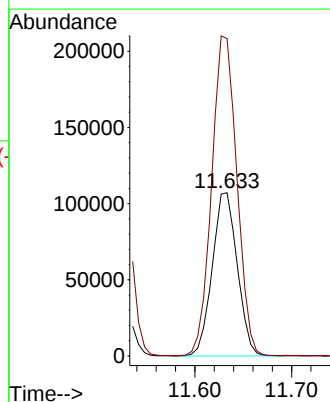
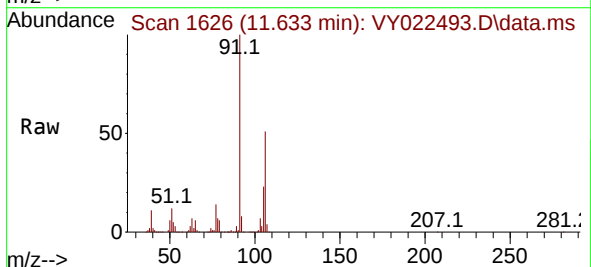
Acq: 02 Jun 2025 12:32

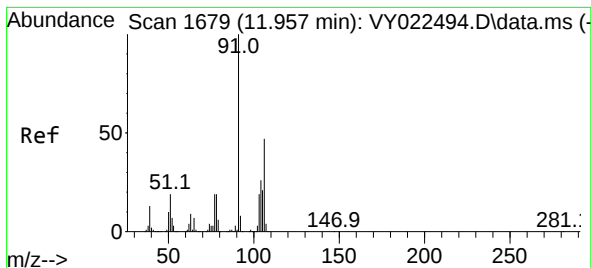
Tgt Ion:106 Resp: 192372

Ion Ratio Lower Upper

106 100

91 197.2 159.4 239.0





#69

o-Xylene

Concen: 20.155 ug/l

RT: 11.956 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

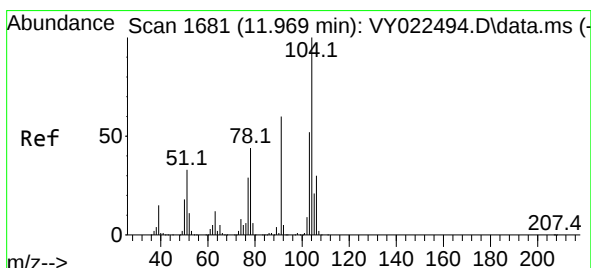
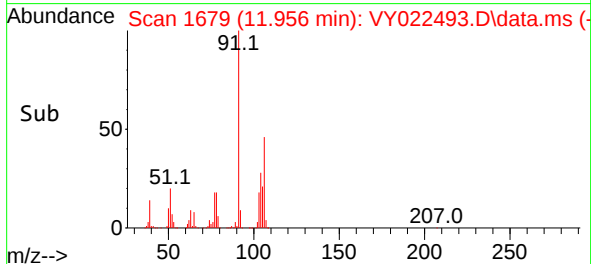
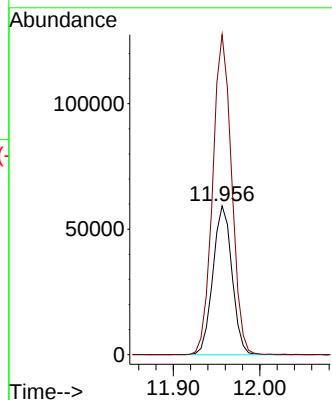
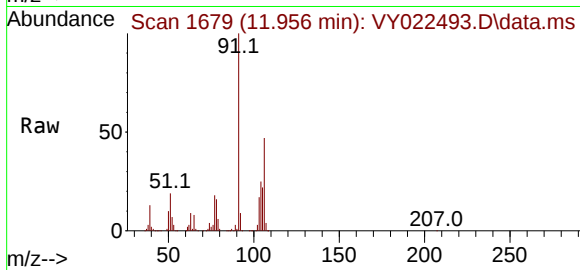
VSTDICC020

Tgt Ion:106 Resp: 90598

Ion Ratio Lower Upper

106 100

91 214.1 105.8 317.3



#70

Styrene

Concen: 20.086 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

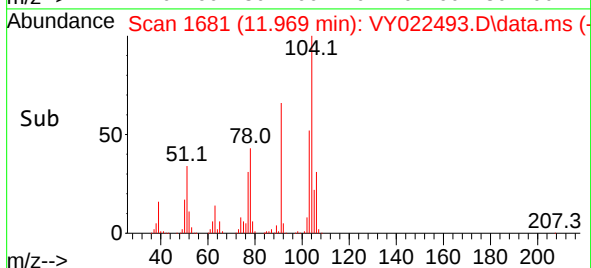
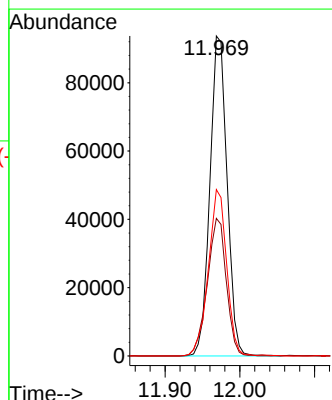
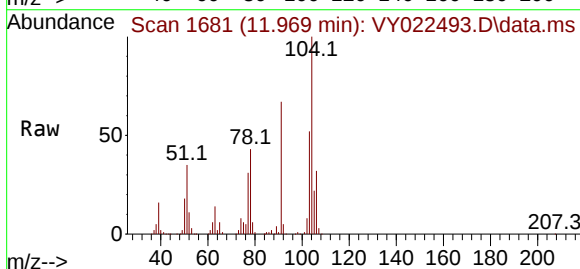
Tgt Ion:104 Resp: 149486

Ion Ratio Lower Upper

104 100

78 47.5 39.5 59.3

103 55.4 44.1 66.1





#71

Bromoform

Concen: 20.668 ug/l

RT: 12.133 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

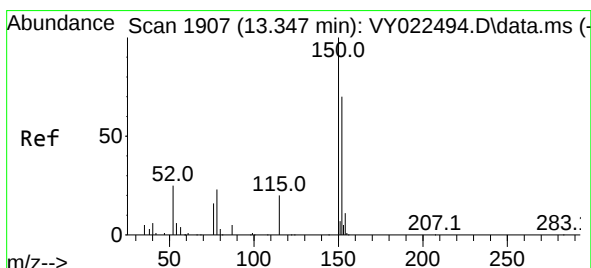
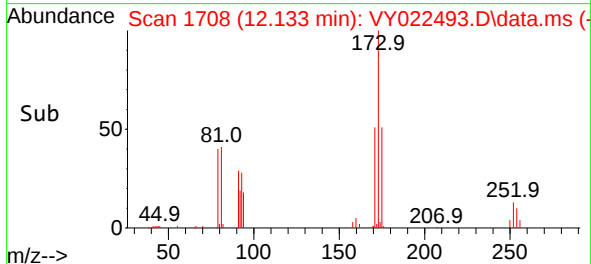
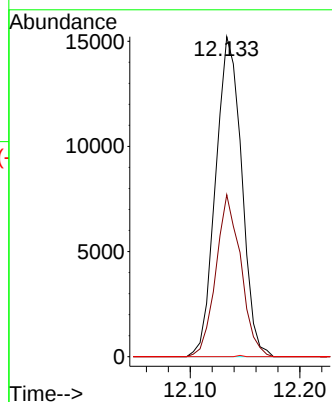
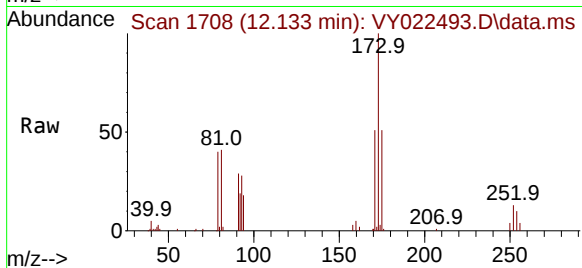
Tgt Ion:173 Resp: 25089

Ion Ratio Lower Upper

173 100

175 48.6 23.8 71.5

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

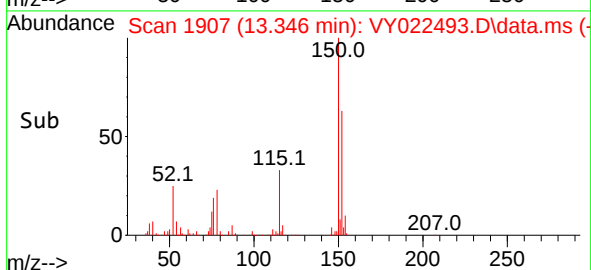
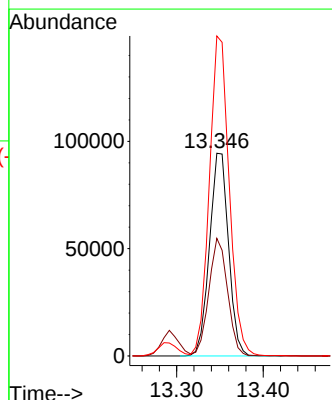
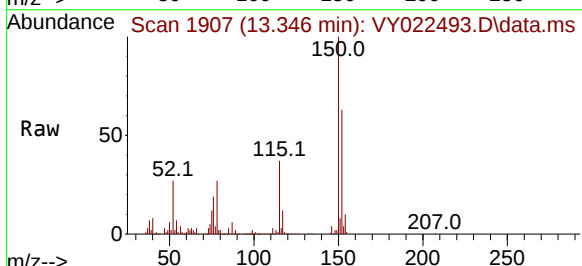
Tgt Ion:152 Resp: 144385

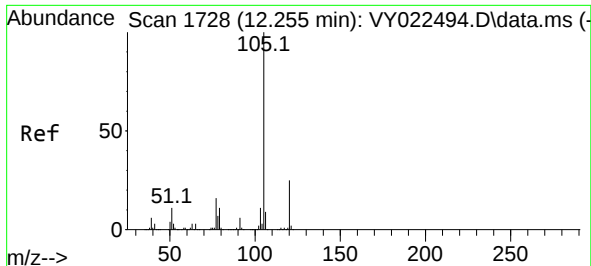
Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 164.8 0.0 349.6

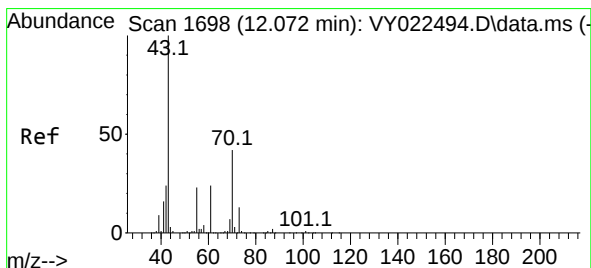
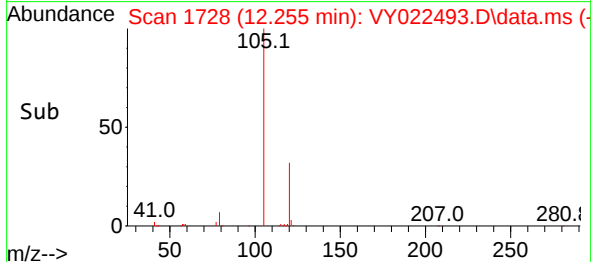
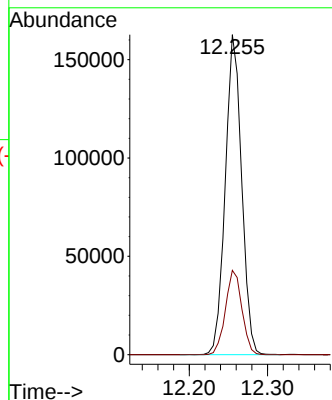
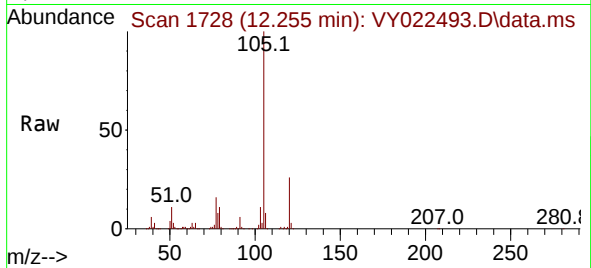




#73
Isopropylbenzene
Concen: 20.303 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

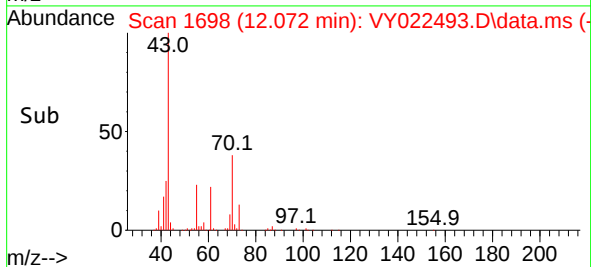
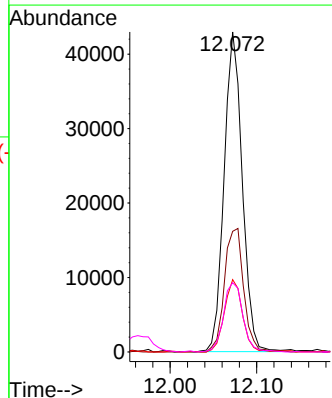
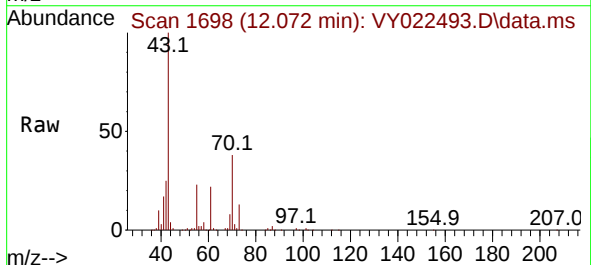
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 236185
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9



#74
N-ethyl acetate
Concen: 21.224 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 62437
Ion Ratio Lower Upper
43 100
70 41.2 34.2 51.2
55 22.6 18.2 27.4
61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.165 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

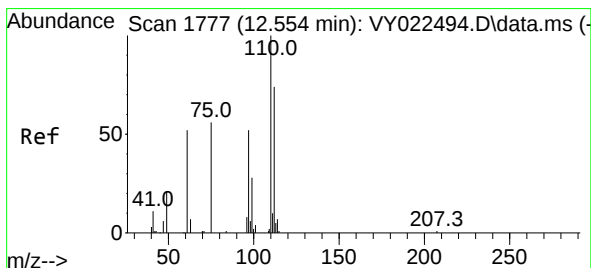
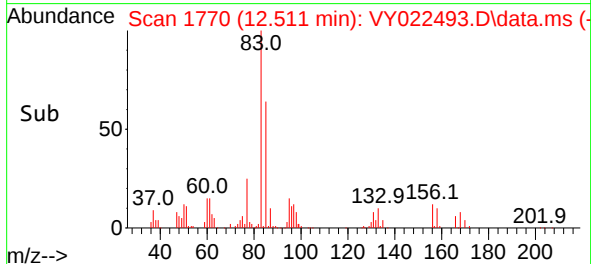
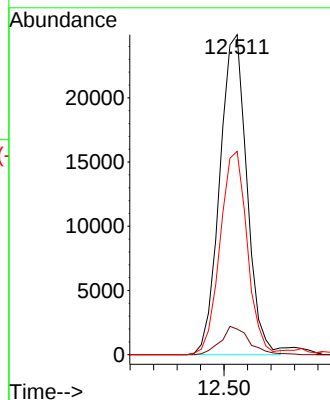
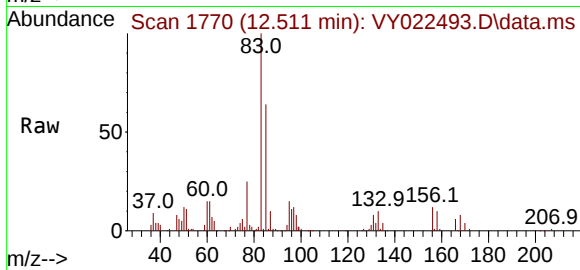
Tgt Ion: 83 Resp: 39986

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.7

85 63.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 29.805 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY022493.D

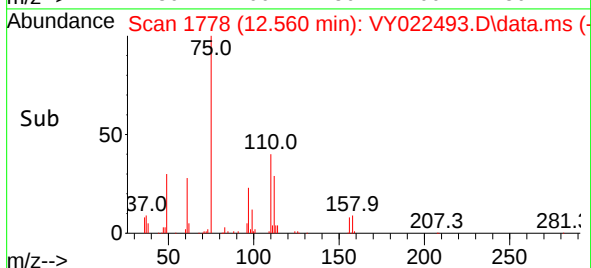
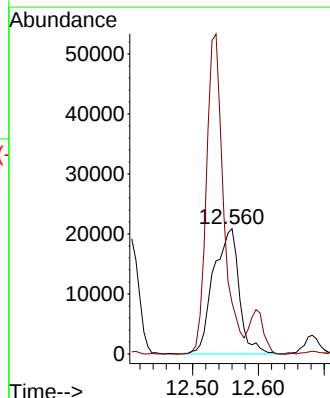
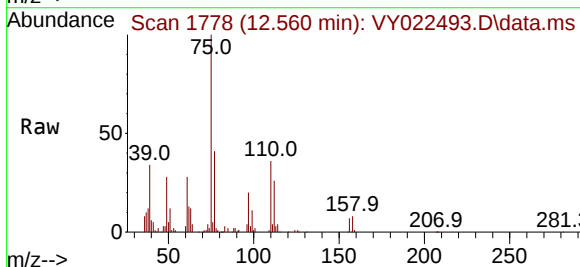
Acq: 02 Jun 2025 12:32

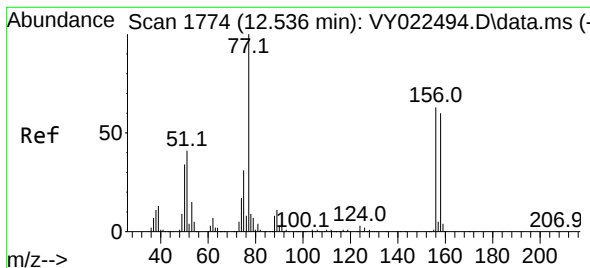
Tgt Ion: 75 Resp: 56811

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.853 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

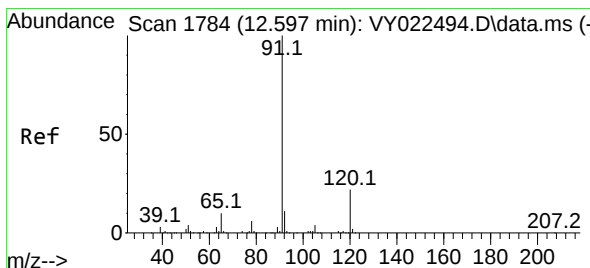
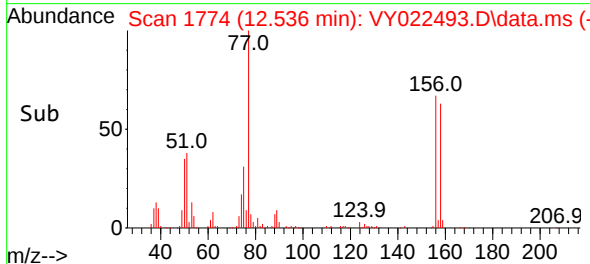
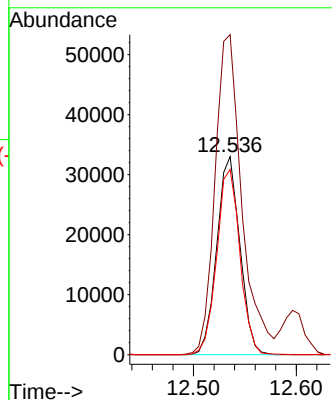
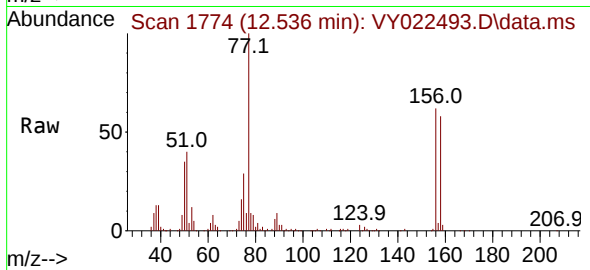
Tgt Ion:156 Resp: 51416

Ion Ratio Lower Upper

156 100

77 187.6 94.0 282.1

158 94.2 48.2 144.6



#78

n-propylbenzene

Concen: 20.239 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY022493.D

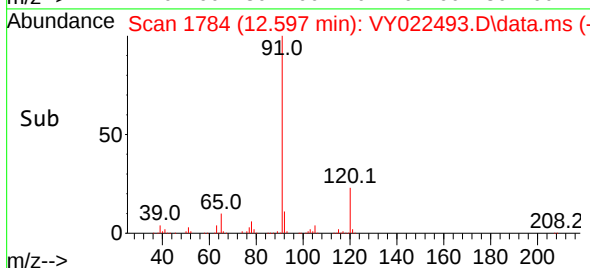
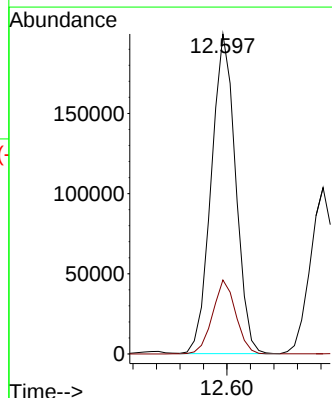
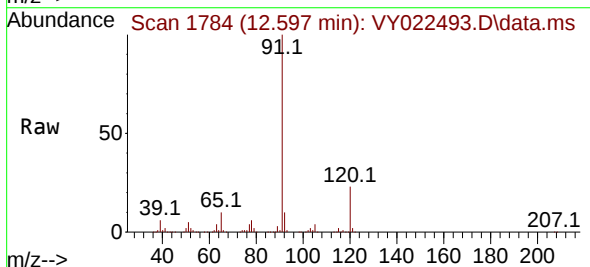
Acq: 02 Jun 2025 12:32

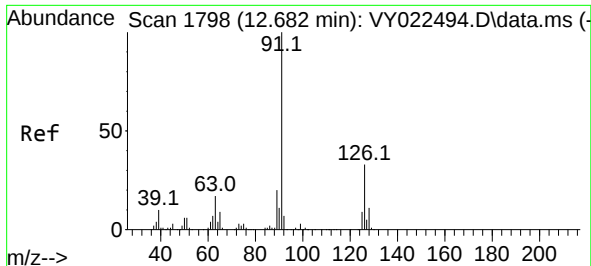
Tgt Ion: 91 Resp: 286589

Ion Ratio Lower Upper

91 100

120 22.1 10.8 32.4

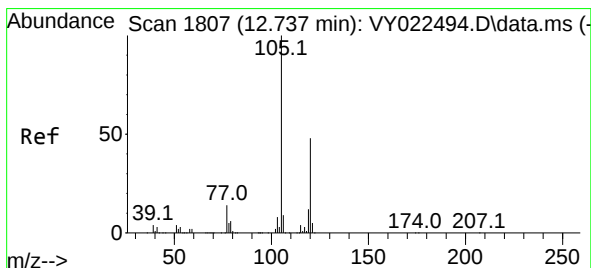
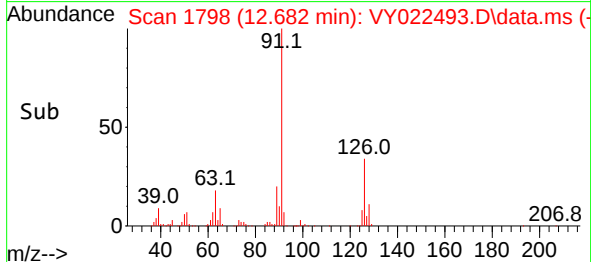
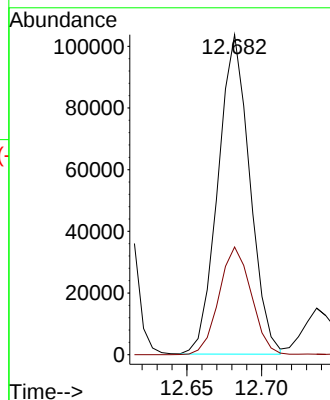
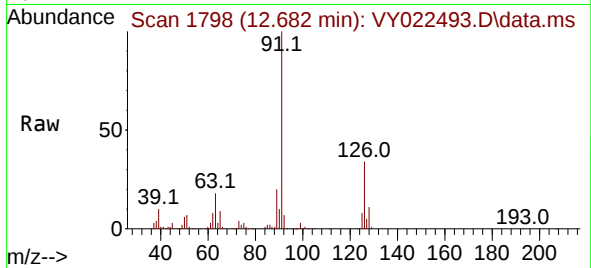




#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

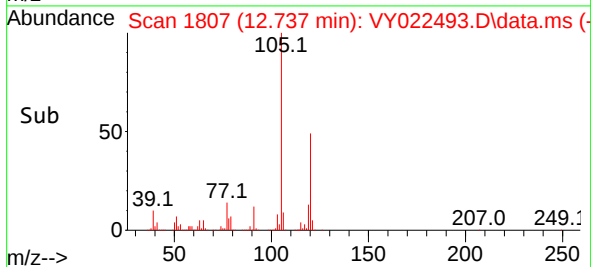
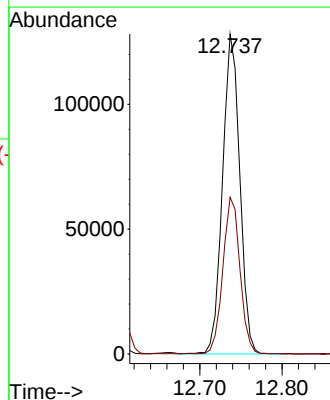
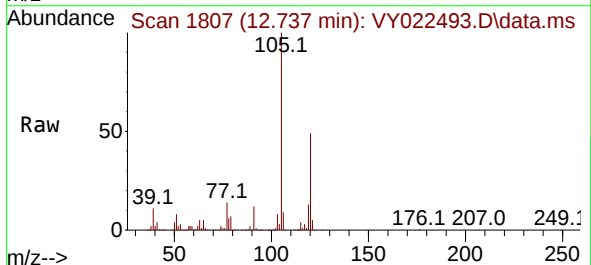
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

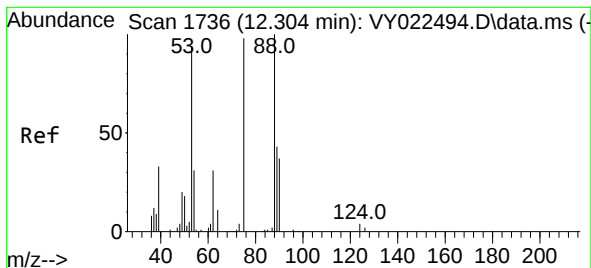
Tgt Ion: 91 Resp: 153250
Ion Ratio Lower Upper
91 100
126 34.2 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 20.570 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 187101
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.4

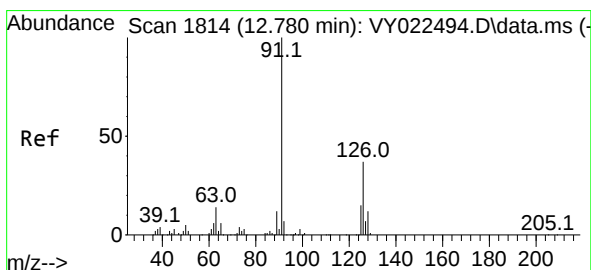
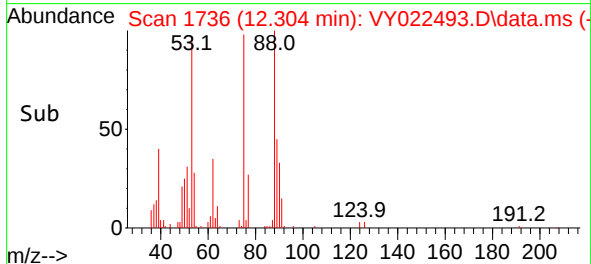
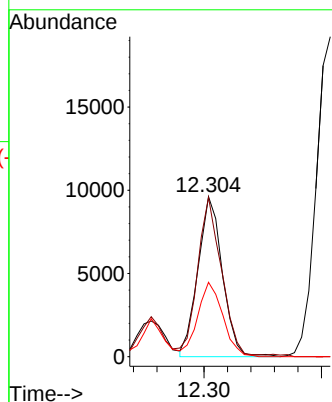
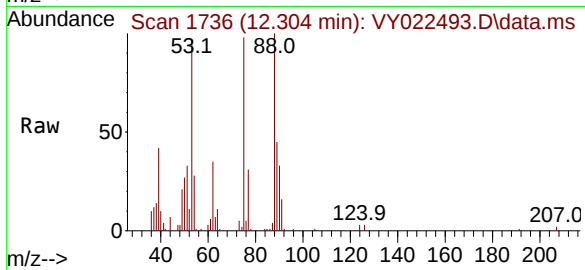




#81
trans-1,4-Dichloro-2-butene
Concen: 20.904 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

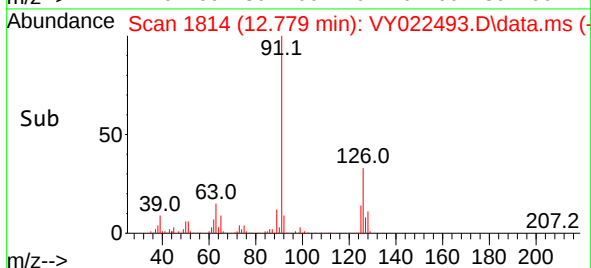
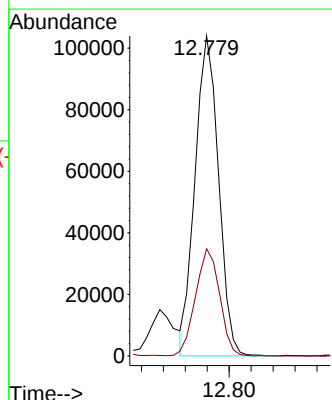
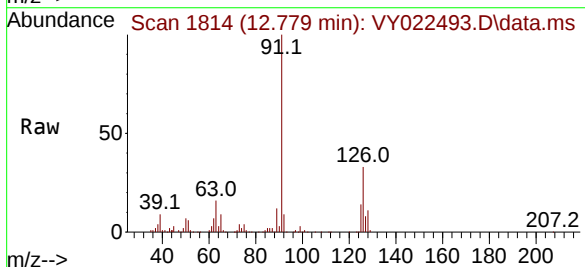
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

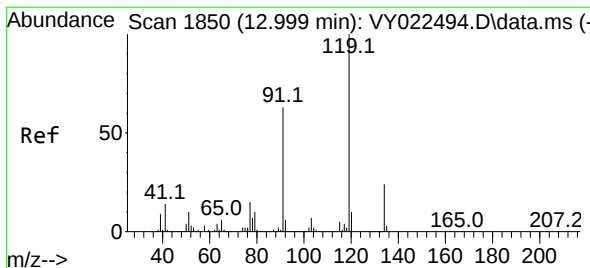
Tgt Ion: 75 Resp: 13897
Ion Ratio Lower Upper
75 100
53 96.6 78.5 117.7
89 47.7 35.7 53.5



#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 154601
Ion Ratio Lower Upper
91 100
126 34.4 17.0 50.9





#83

tert-Butylbenzene

Concen: 20.188 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

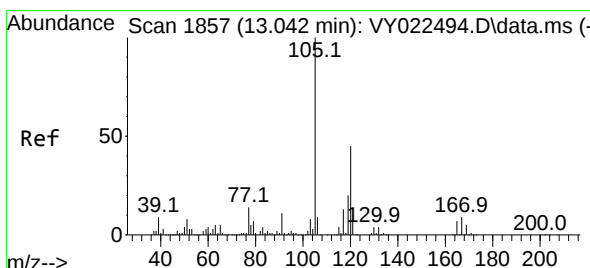
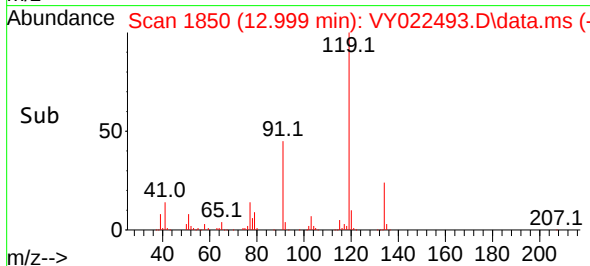
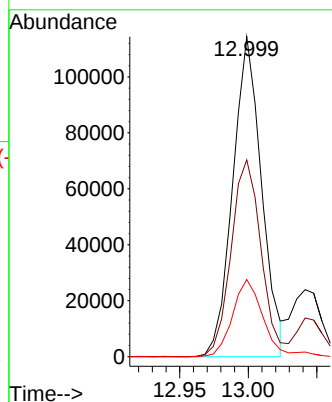
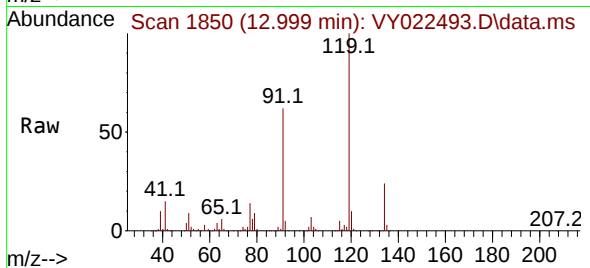
Tgt Ion:119 Resp: 167512

Ion Ratio Lower Upper

119 100

91 64.4 32.1 96.3

134 25.7 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 20.241 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022493.D

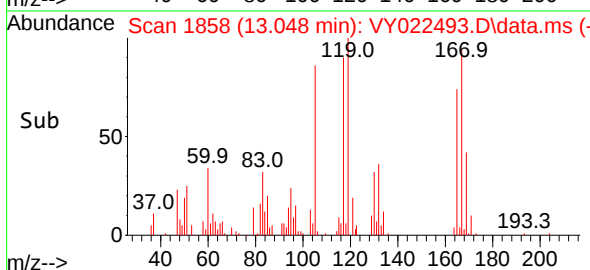
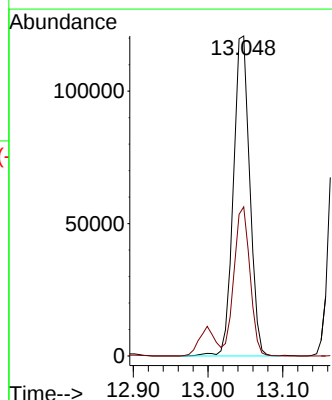
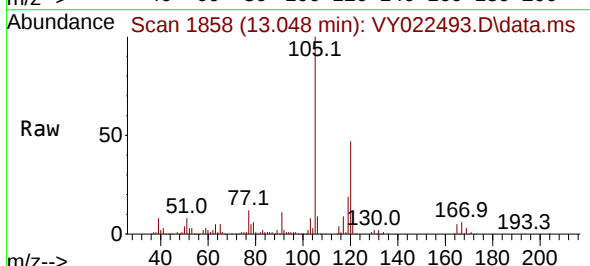
Acq: 02 Jun 2025 12:32

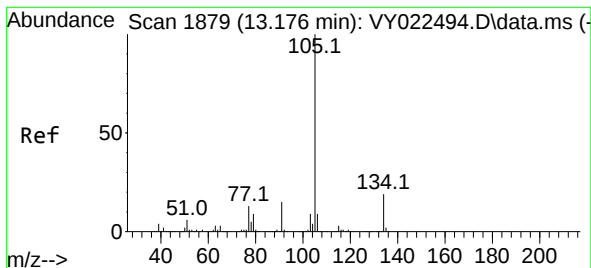
Tgt Ion:105 Resp: 184202

Ion Ratio Lower Upper

105 100

120 45.6 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.979 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

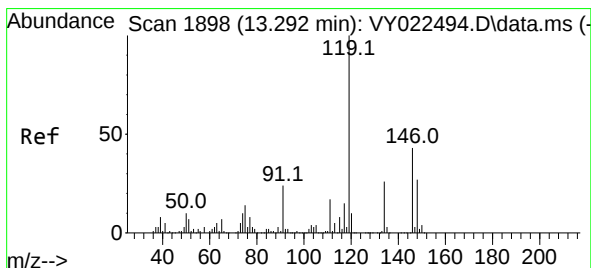
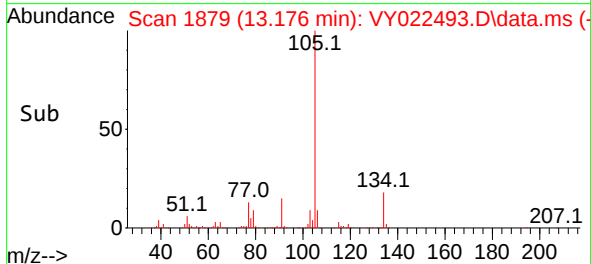
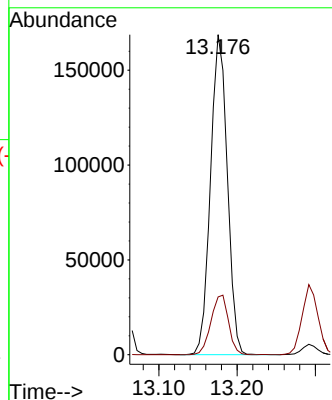
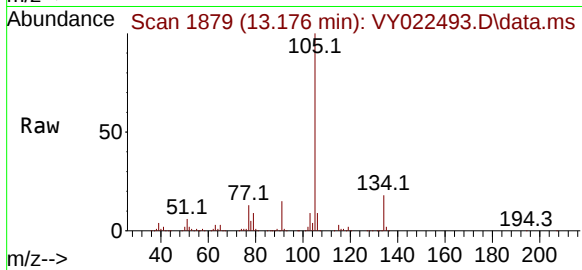
VSTDIC020

Tgt Ion:105 Resp: 251350

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



#86

p-Isopropyltoluene

Concen: 20.054 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

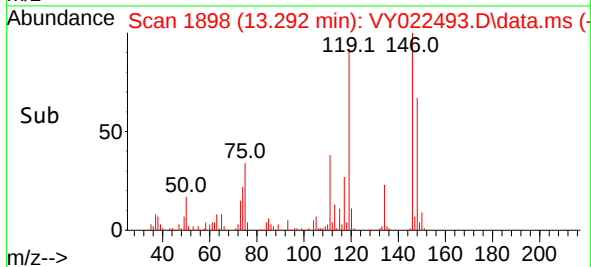
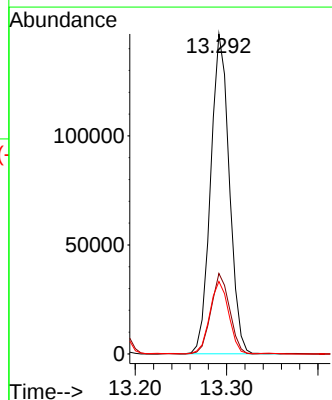
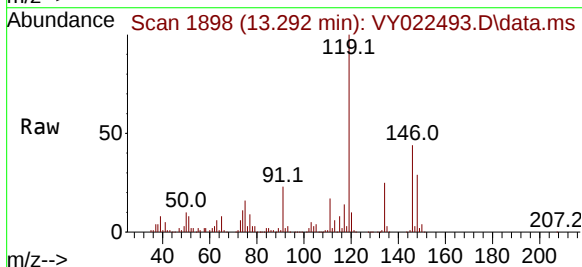
Tgt Ion:119 Resp: 207417

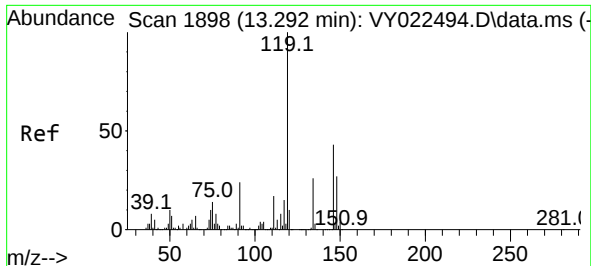
Ion Ratio Lower Upper

119 100

134 25.1 13.1 39.1

91 22.8 11.6 34.8

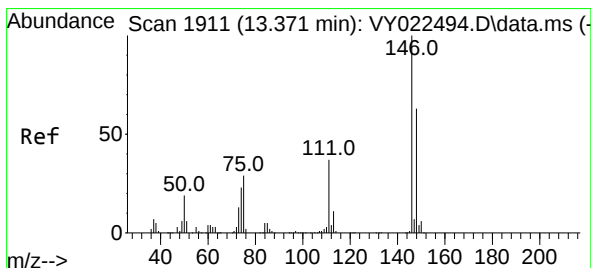
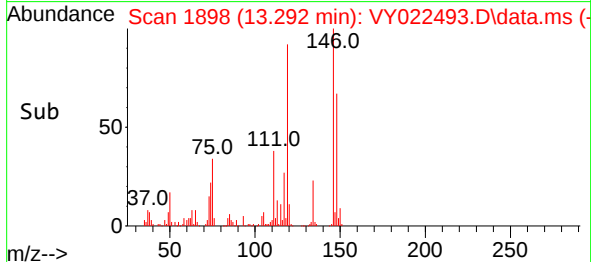
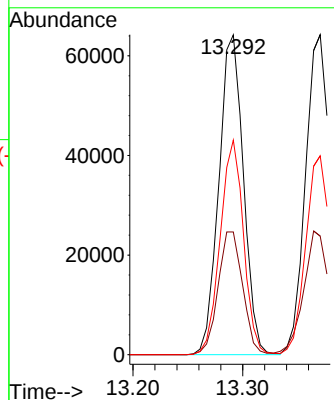
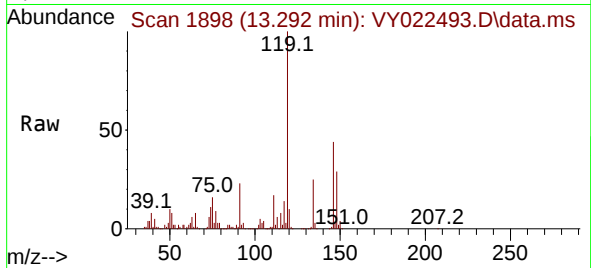




#87
 1,3-Dichlorobenzene
 Concen: 20.252 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022493.D
 Acq: 02 Jun 2025 12:32

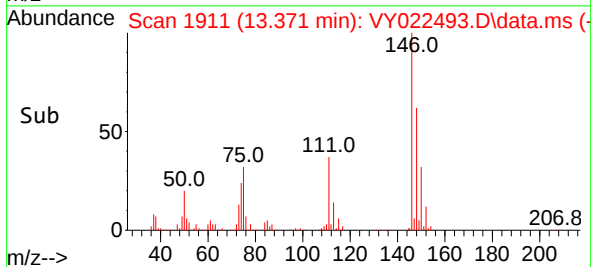
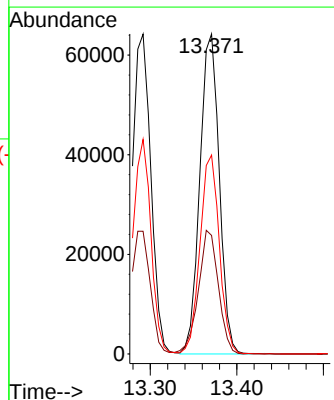
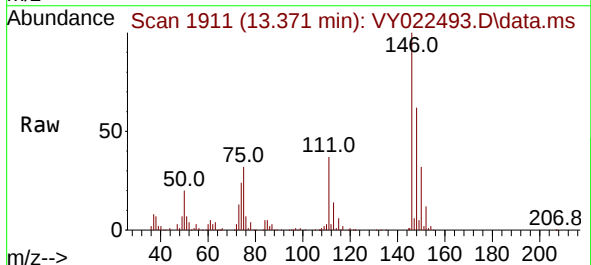
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

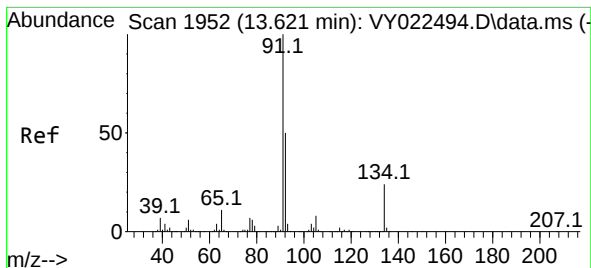
Tgt Ion:146 Resp: 99901
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.1 60.2
 148 63.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.823 ug/l
 RT: 13.371 min Scan# 1911
 Delta R.T. -0.000 min
 Lab File: VY022493.D
 Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 100082
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.4 58.2
 148 62.1 31.6 94.8





#89

n-Butylbenzene

Concen: 20.287 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

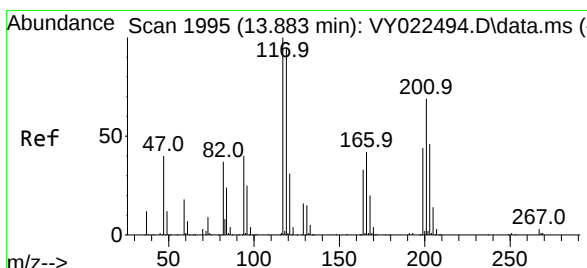
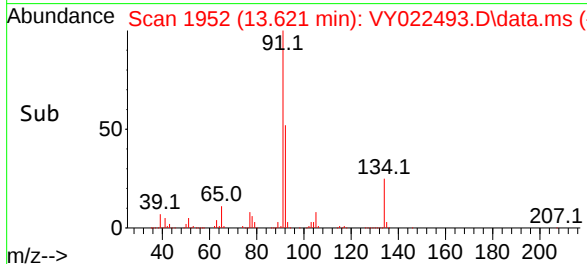
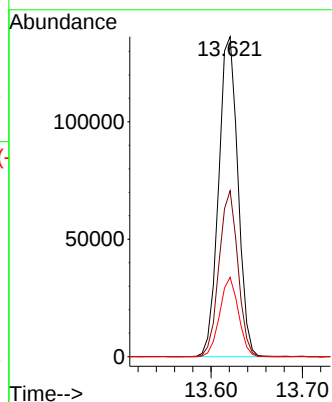
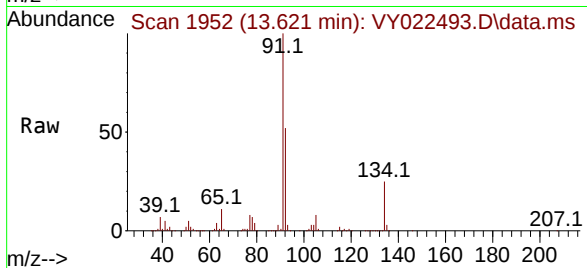
Tgt Ion: 91 Resp: 199786

Ion Ratio Lower Upper

91 100

92 50.7 25.9 77.8

134 24.1 12.0 36.1



#90

Hexachloroethane

Concen: 20.316 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. -0.000 min

Lab File: VY022493.D

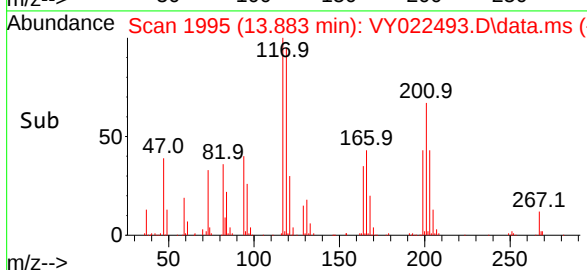
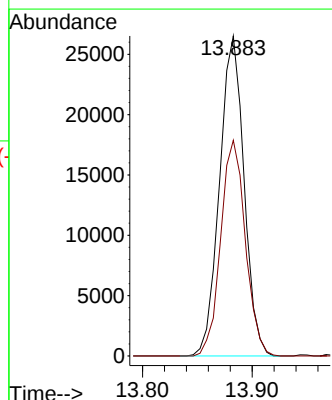
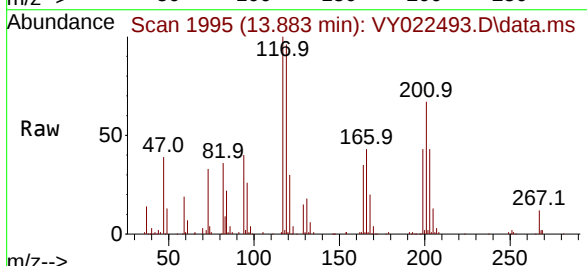
Acq: 02 Jun 2025 12:32

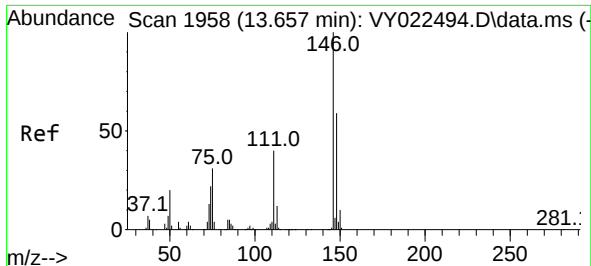
Tgt Ion: 117 Resp: 41119

Ion Ratio Lower Upper

117 100

201 67.9 34.0 102.0

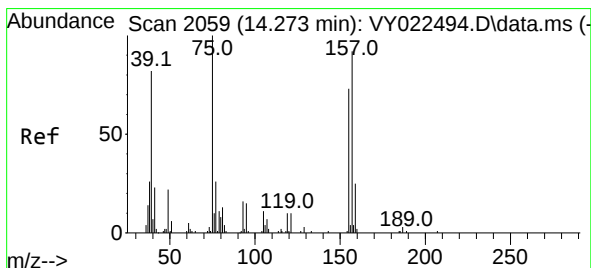
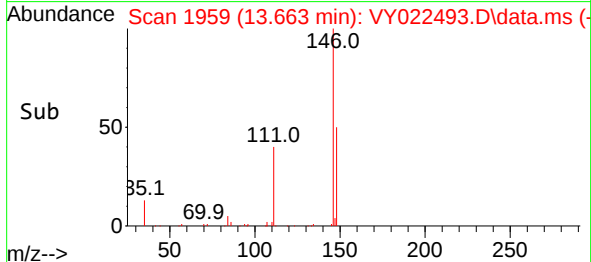
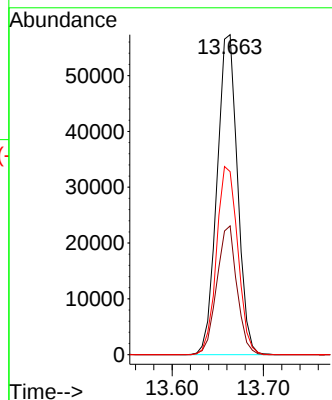
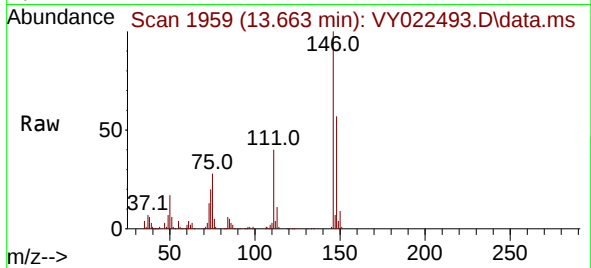




#91
1,2-Dichlorobenzene
Concen: 21.085 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

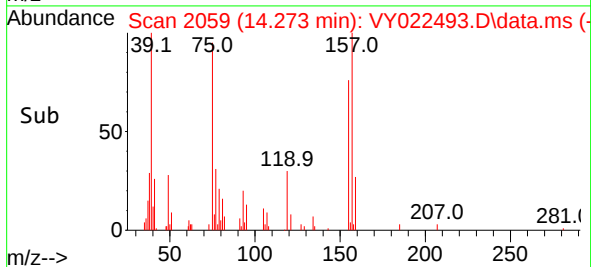
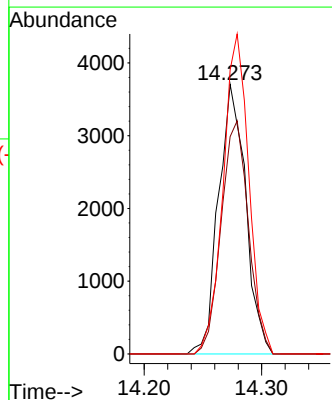
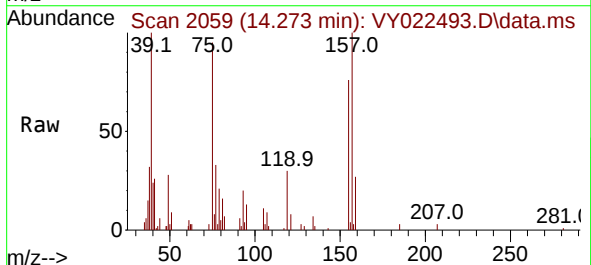
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

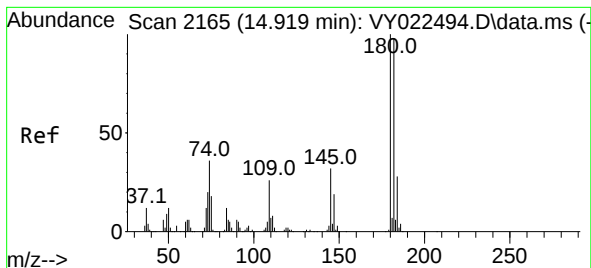
Tgt Ion:146 Resp: 89355
Ion Ratio Lower Upper
146 100
111 39.7 20.2 60.6
148 60.9 31.4 94.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.796 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 5939
Ion Ratio Lower Upper
75 100
155 87.0 39.9 119.6
157 112.6 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 20.254 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

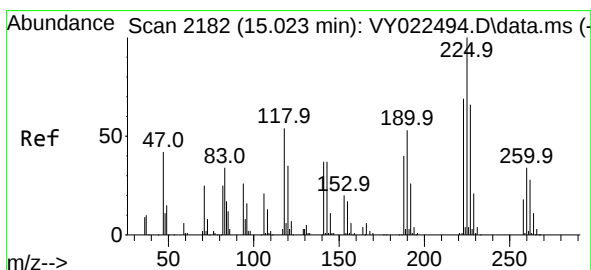
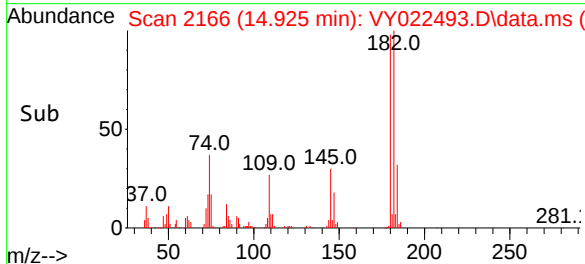
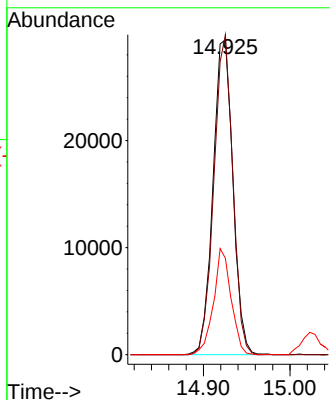
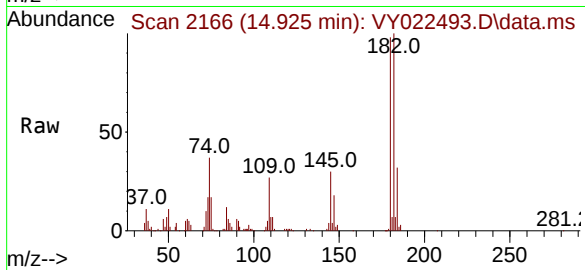
Tgt Ion:180 Resp: 46919

Ion Ratio Lower Upper

180 100

182 96.4 48.4 145.3

145 29.8 15.5 46.5



#94

Hexachlorobutadiene

Concen: 20.124 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

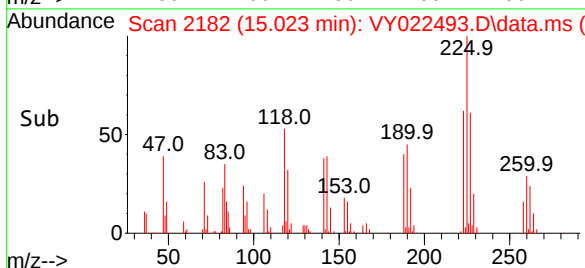
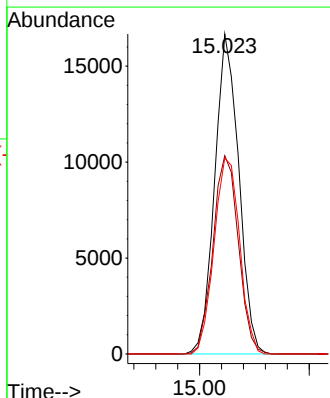
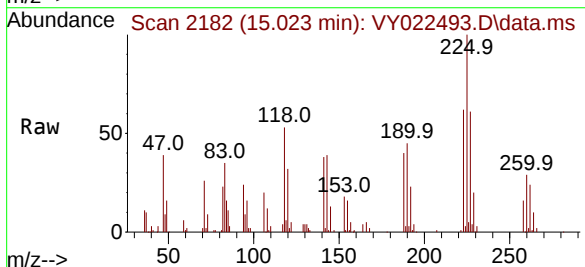
Tgt Ion:225 Resp: 25462

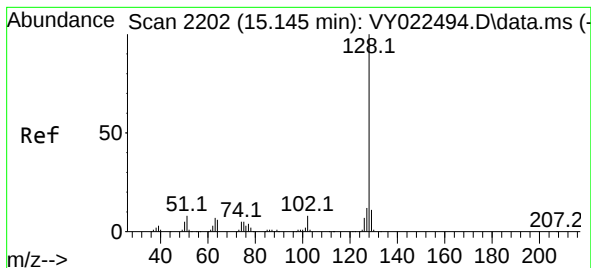
Ion Ratio Lower Upper

225 100

223 65.4 32.5 97.4

227 65.0 32.3 96.9





#95

Naphthalene

Concen: 20.994 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

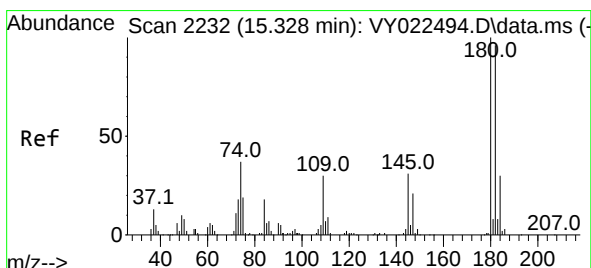
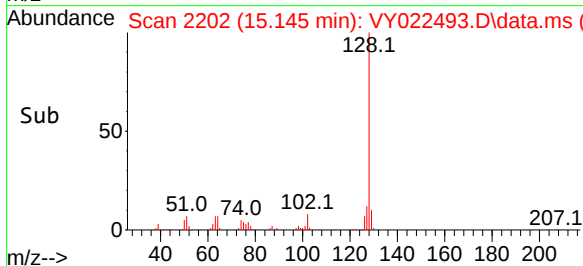
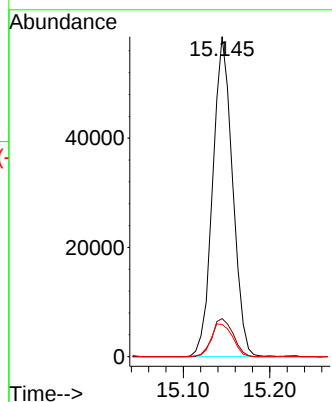
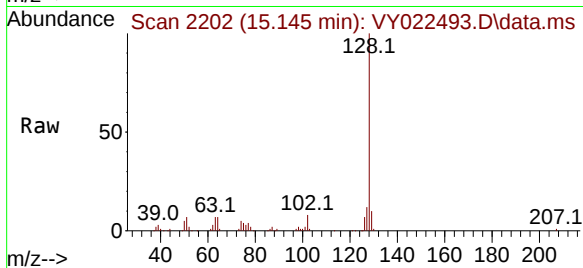
Tgt Ion:128 Resp: 93203

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 11.1 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 20.892 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022493.D

Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 41131

Ion Ratio Lower Upper

180 100

182 91.9 47.1 141.3

145 31.1 15.2 45.6

