

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022992.D
 Acq On : 18 Jul 2025 11:41
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Jul 19 01:31:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:28:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	408920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	651408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	541736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	248244	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96238	23.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	46.500%#
35) Dibromofluoromethane	7.634	113	97474	23.589	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	47.180%#
50) Toluene-d8	10.103	98	385999	23.556	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	47.120%#
62) 4-Bromofluorobenzene	12.402	95	114873	22.270	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	44.540%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	83107	23.935	ug/l	95
3) Chloromethane	2.074	50	144975	24.556	ug/l	98
4) Vinyl Chloride	2.208	62	185061	24.741	ug/l	100
5) Bromomethane	2.592	94	129537	23.996	ug/l	98
6) Chloroethane	2.739	64	119604	23.942	ug/l	95
7) Trichlorofluoromethane	3.056	101	204047	23.500	ug/l	100
8) Diethyl Ether	3.452	74	51301	22.575	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	111028	24.342	ug/l	100
10) Methyl Iodide	4.007	142	113170	23.883	ug/l	98
11) Tert butyl alcohol	4.860	59	28061	111.476	ug/l	96
12) 1,1-Dichloroethene	3.793	96	102333	23.551	ug/l	99
13) Acrolein	3.653	56	19800	174.501	ug/l	100
14) Allyl chloride	4.385	41	153543	23.195	ug/l	97
15) Acrylonitrile	5.055	53	96516	112.128	ug/l	99
16) Acetone	3.873	43	88498	117.937	ug/l	97
17) Carbon Disulfide	4.104	76	320990	24.374	ug/l	100
18) Methyl Acetate	4.391	43	57450	22.614	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	237393	22.778	ug/l	97
20) Methylene Chloride	4.616	84	152623	24.700	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	115595	23.899	ug/l	98
22) Diisopropyl ether	6.019	45	325183	23.155	ug/l	99
23) Vinyl Acetate	5.958	43	808683	114.282	ug/l	100
24) 1,1-Dichloroethane	5.915	63	206224	23.379	ug/l	99
25) 2-Butanone	6.890	43	119127	110.662	ug/l	99
26) 2,2-Dichloropropane	6.884	77	181752	23.510	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	128882	23.120	ug/l	97
28) Bromochloromethane	7.244	49	79854	23.340	ug/l	98
29) Tetrahydrofuran	7.262	42	78302	114.888	ug/l	98
30) Chloroform	7.415	83	207172	23.282	ug/l	97
31) Cyclohexane	7.701	56	192200	23.319	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	190105	23.546	ug/l	99
36) 1,1-Dichloropropene	7.835	75	156287	24.012	ug/l	99
37) Ethyl Acetate	6.988	43	53987	22.333	ug/l	99
38) Carbon Tetrachloride	7.817	117	168861	23.880	ug/l	97
39) Methylcyclohexane	9.109	83	199123	23.636	ug/l	97
40) Benzene	8.079	78	462756	23.613	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	23752	18.616	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	113164	23.210	ug/l	98
43) Isopropyl Acetate	8.195	43	109734	22.853	ug/l #	86
44) Trichloroethene	8.866	130	117248	23.293	ug/l	96
45) 1,2-Dichloropropane	9.140	63	107925	23.583	ug/l	100
46) Dibromomethane	9.231	93	54583	23.074	ug/l	99
47) Bromodichloromethane	9.420	83	153091	23.413	ug/l	100
48) Methyl methacrylate	9.219	41	52108	22.478	ug/l	99
49) 1,4-Dioxane	9.231	88	10878	436.257	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	276366	113.395	ug/l	98
52) Toluene	10.170	92	283471	23.265	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	128369	22.870	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	157554	23.288	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	71370	22.955	ug/l	95
56) Ethyl methacrylate	10.438	69	84006	21.644	ug/l	99
57) 1,3-Dichloropropane	10.713	76	124222	23.129	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	199993	105.265	ug/l	98
59) 2-Hexanone	10.762	43	176582	110.226	ug/l	100
60) Dibromochloromethane	10.908	129	93599	22.990	ug/l	99
61) 1,2-Dibromoethane	11.012	107	64601	22.880	ug/l	100
64) Tetrachloroethene	10.646	164	122138	22.057	ug/l	92
65) Chlorobenzene	11.438	112	293874	22.989	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	99114	22.732	ug/l	99
67) Ethyl Benzene	11.518	91	522955	23.080	ug/l	97
68) m/p-Xylenes	11.627	106	402055	46.261	ug/l	99
69) o-Xylene	11.950	106	186047	23.067	ug/l	98
70) Styrene	11.969	104	303236	22.952	ug/l	100
71) Bromoform	12.127	173	48429	21.879	ug/l #	100
73) Isopropylbenzene	12.255	105	497888	23.656	ug/l	100
74) N-amyl acetate	12.066	43	86729	21.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	74385	24.423	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	98962	31.675	ug/l #	100
77) Bromobenzene	12.530	156	105553	23.124	ug/l	99
78) n-propylbenzene	12.591	91	596905	23.816	ug/l	99
79) 2-Chlorotoluene	12.676	91	331602	23.524	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	389641	23.473	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	23253	22.390	ug/l	97
82) 4-Chlorotoluene	12.773	91	330802	23.268	ug/l	99
83) tert-Butylbenzene	12.993	119	352211	23.490	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	382534	23.411	ug/l	99
85) sec-Butylbenzene	13.170	105	534996	23.809	ug/l	100
86) p-Isopropyltoluene	13.286	119	428741	23.494	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	210649	22.867	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	204733	22.973	ug/l	100
89) n-Butylbenzene	13.615	91	396249	23.531	ug/l	100
90) Hexachloroethane	13.877	117	88795	23.502	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	177792	22.880	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10028	22.174	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	93971	22.942	ug/l	98
94) Hexachlorobutadiene	15.017	225	62599	24.242	ug/l	98
95) Naphthalene	15.139	128	139330	21.209	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	75143	22.219	ug/l	100

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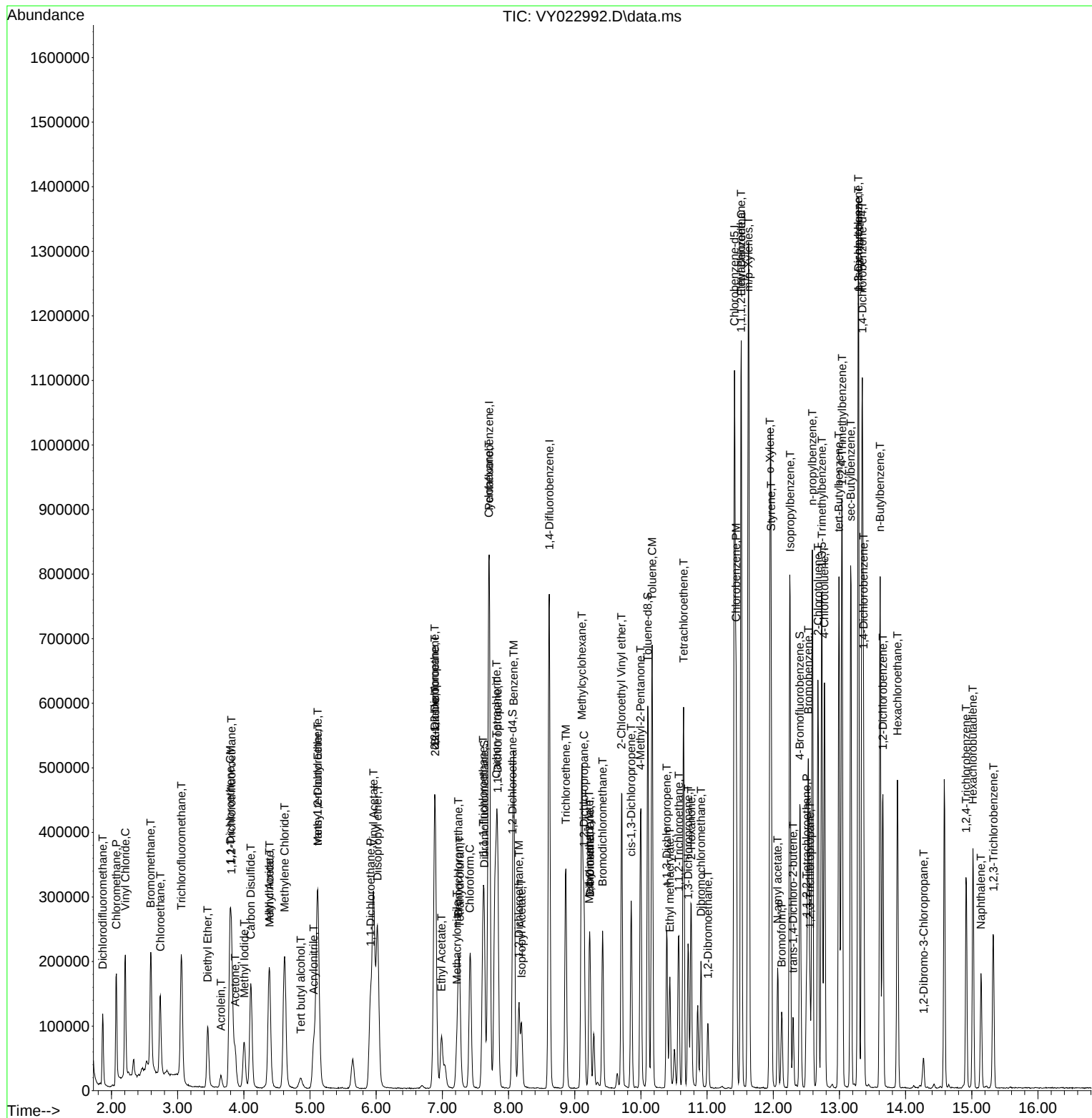
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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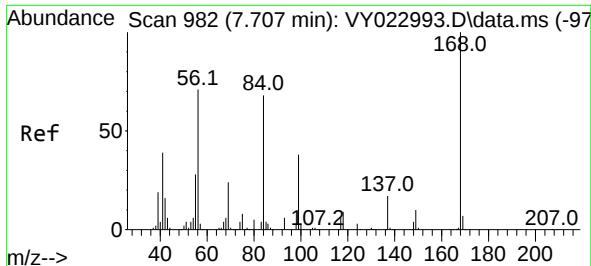
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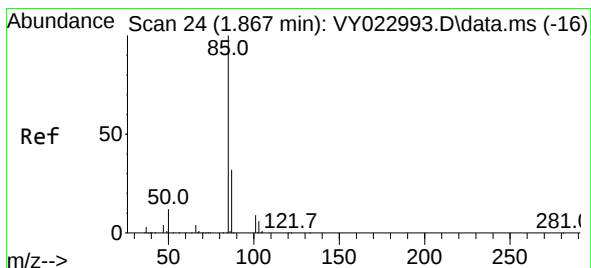
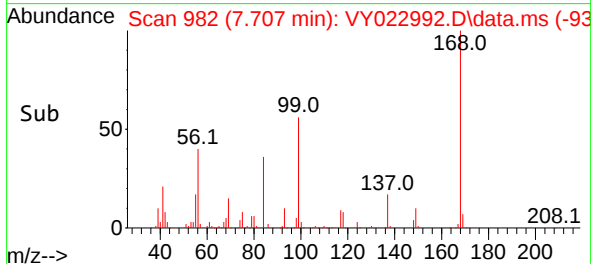
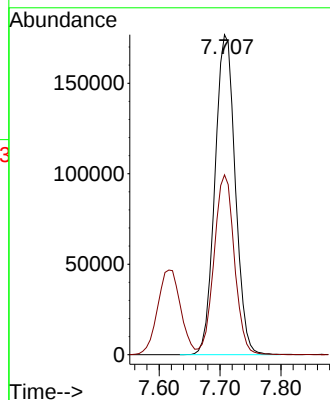
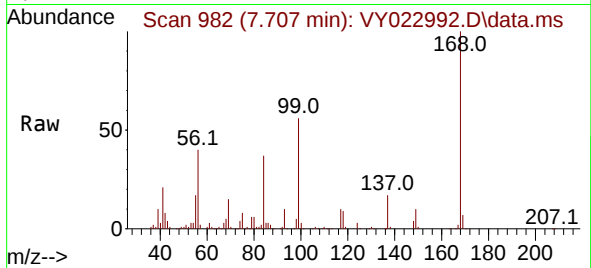




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022992.D
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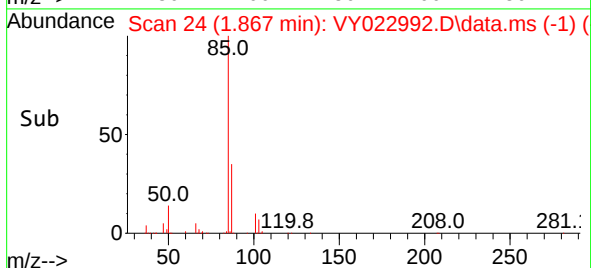
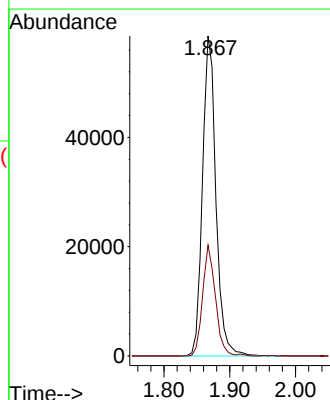
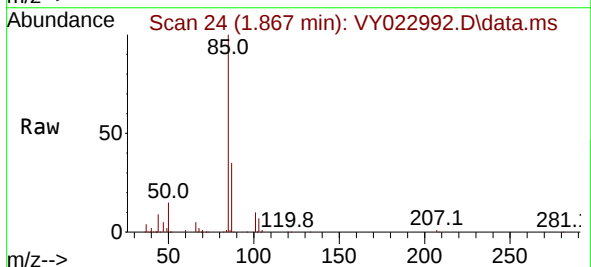
Instrument :
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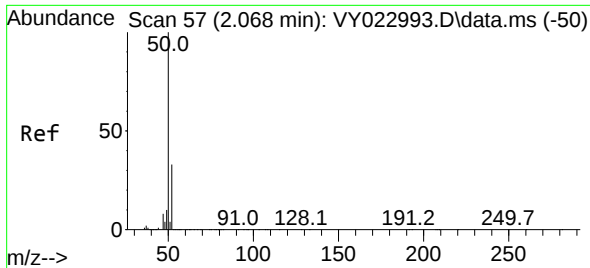
Tgt Ion:168 Resp: 408920
Ion Ratio Lower Upper
168 100
99 56.1 44.4 66.6



#2
Dichlorodifluoromethane
Concen: 23.935 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 85 Resp: 83107
Ion Ratio Lower Upper
85 100
87 34.6 16.0 47.9

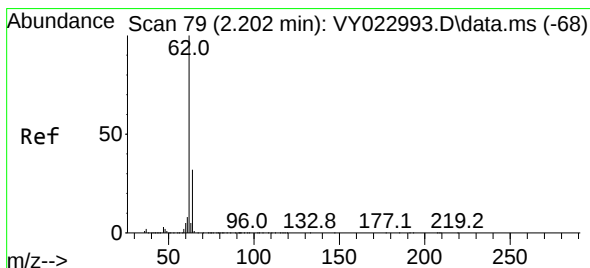
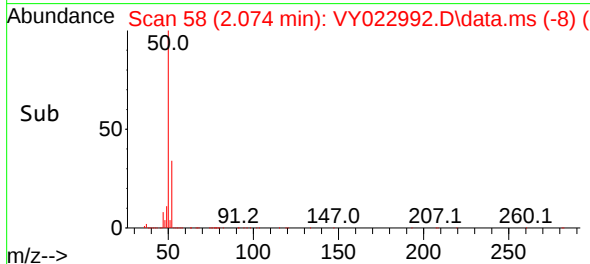
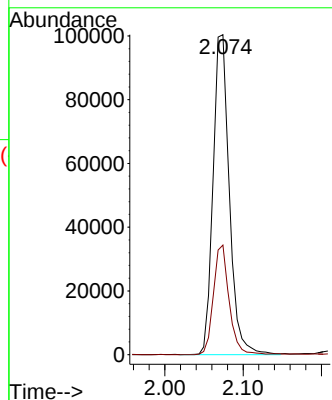
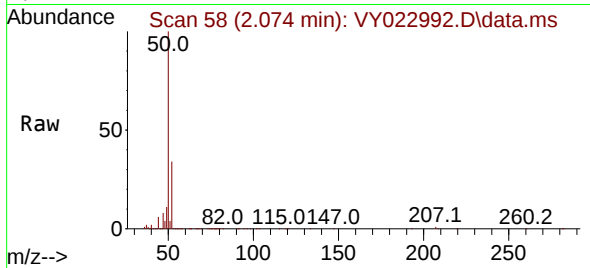




#3
Chloromethane
Concen: 24.556 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

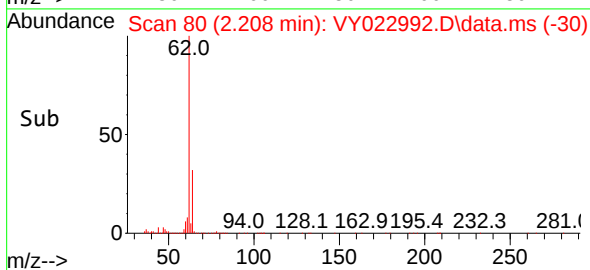
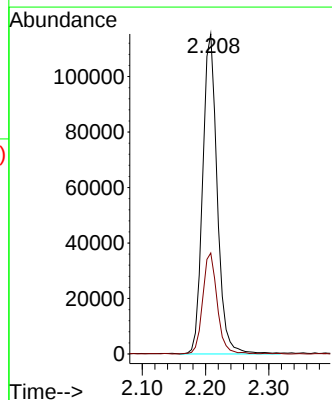
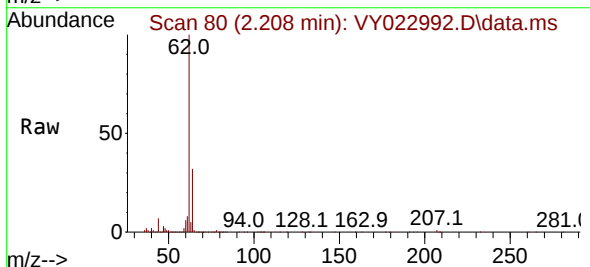
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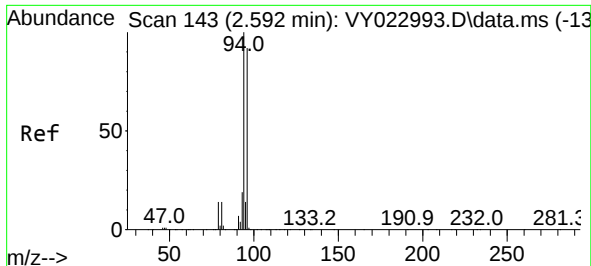
Tgt Ion: 50 Resp: 144975
Ion Ratio Lower Upper
50 100
52 34.2 26.6 39.8



#4
Vinyl Chloride
Concen: 24.741 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 62 Resp: 185061
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8

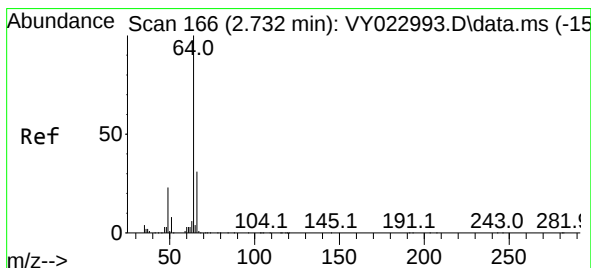
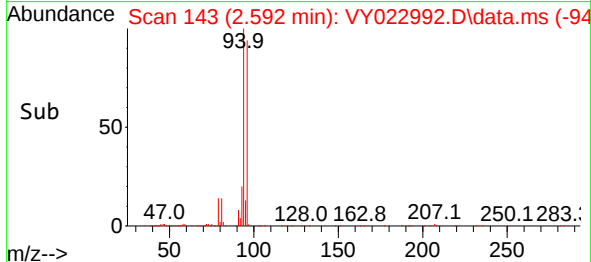
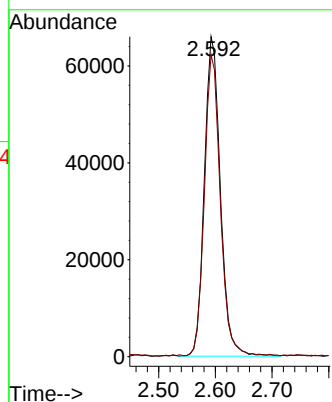
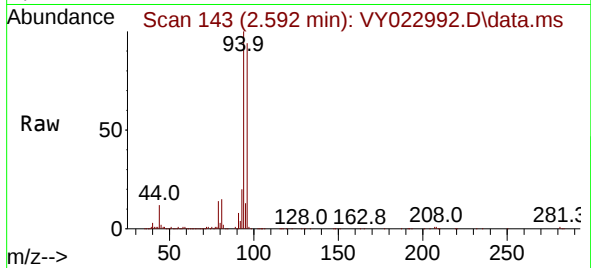




#5
Bromomethane
Concen: 23.996 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY022992.D
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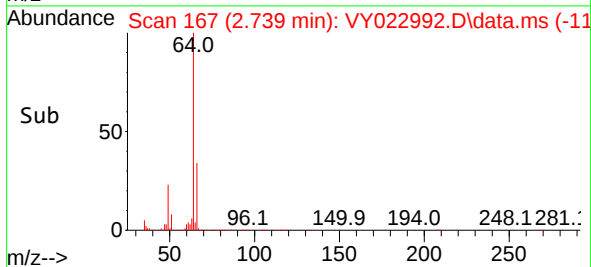
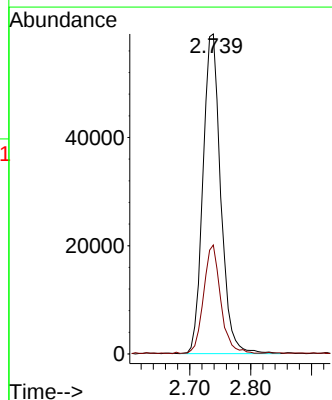
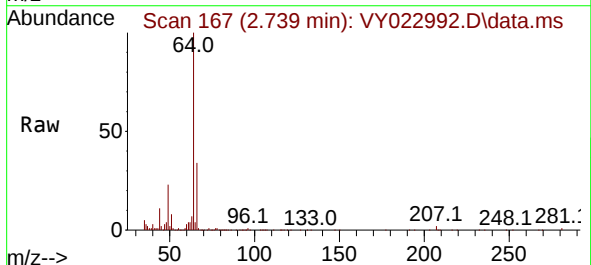
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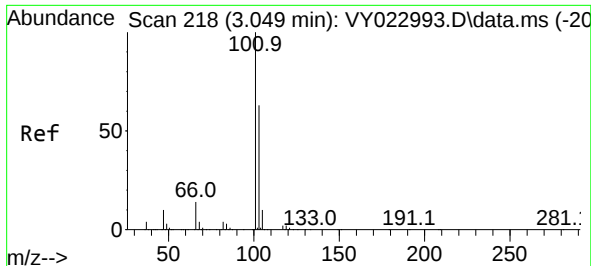
Tgt Ion: 94 Resp: 129537
Ion Ratio Lower Upper
94 100
96 94.2 73.9 110.9



#6
Chloroethane
Concen: 23.942 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022992.D
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Tgt Ion: 64 Resp: 119604
Ion Ratio Lower Upper
64 100
66 33.9 24.9 37.3

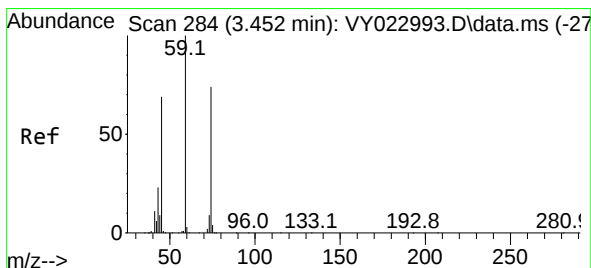
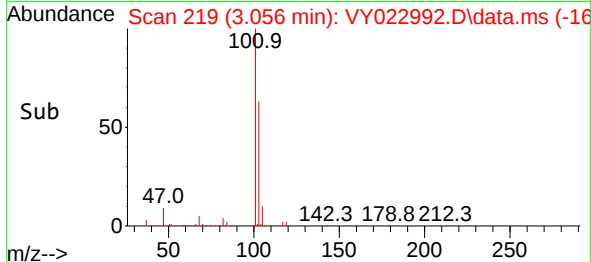
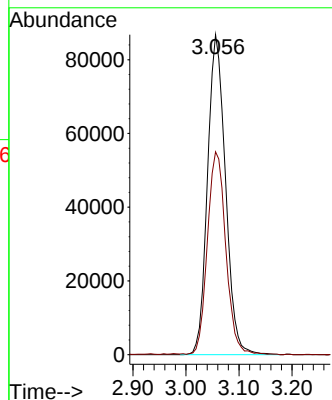
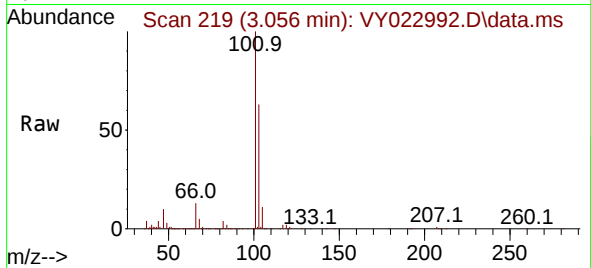




#7
Trichlorofluoromethane
Concen: 23.500 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

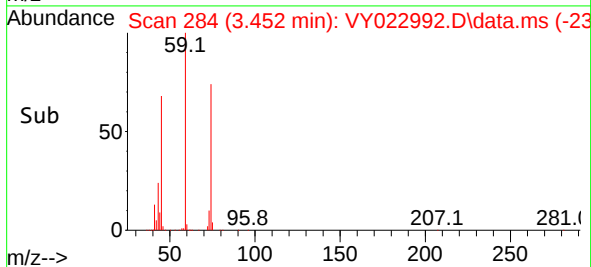
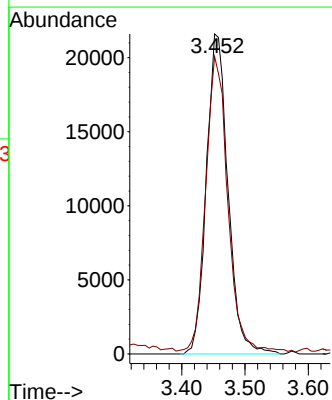
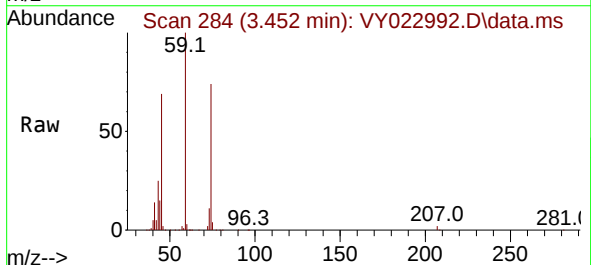
Instrument :
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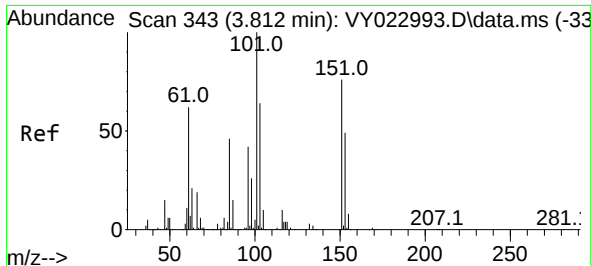
Tgt Ion:101 Resp: 204047
Ion Ratio Lower Upper
101 100
103 63.4 50.7 76.1



#8
Diethyl Ether
Concen: 22.575 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 74 Resp: 51301
Ion Ratio Lower Upper
74 100
45 94.4 45.1 135.2

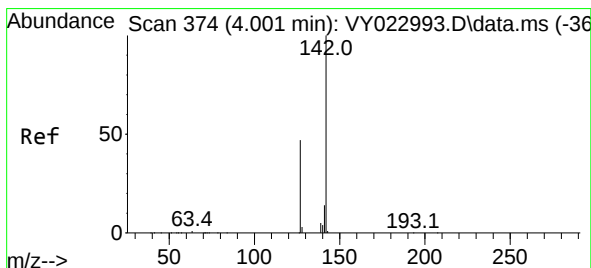
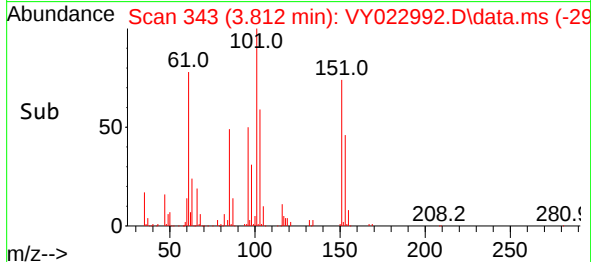
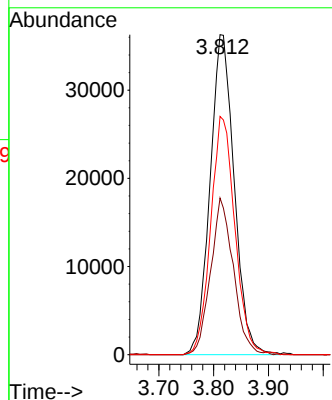
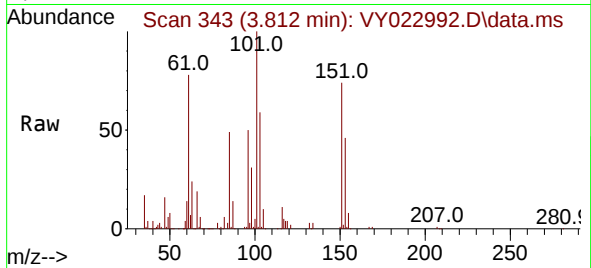




#9
1,1,2-Trichlorotrifluoroethane
Concen: 24.342 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

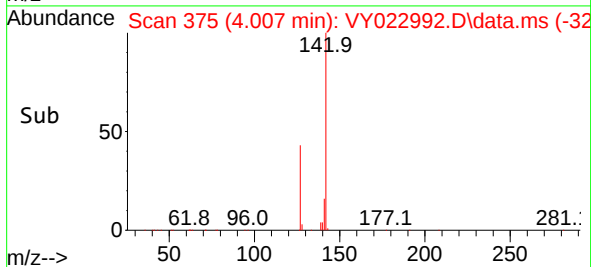
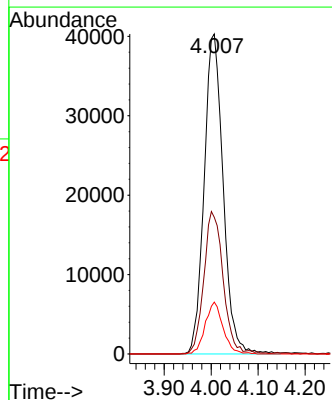
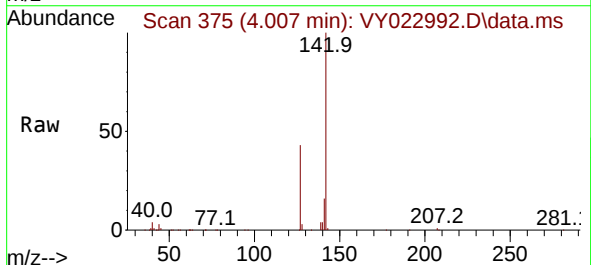
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

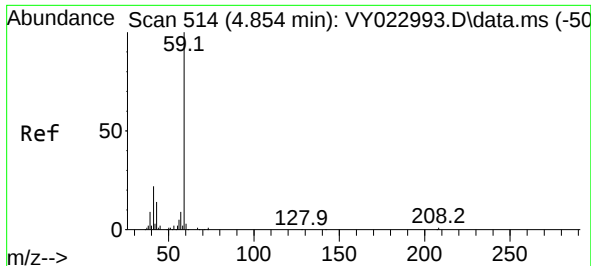
Tgt Ion:101 Resp: 111028
Ion Ratio Lower Upper
101 100
85 46.3 37.2 55.8
151 74.7 59.7 89.5



#10
Methyl Iodide
Concen: 23.883 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion:142 Resp: 113170
Ion Ratio Lower Upper
142 100
127 44.8 37.0 55.6
141 15.2 11.4 17.2

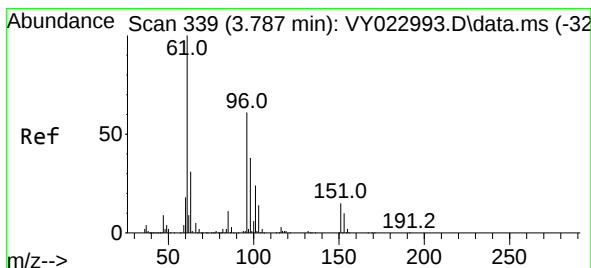
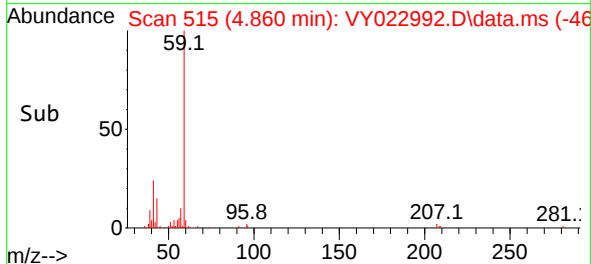
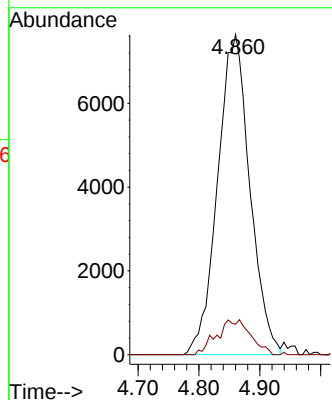
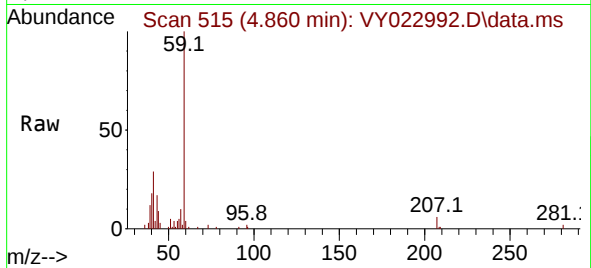




#11
Tert butyl alcohol
Concen: 111.476 ug/l
RT: 4.860 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

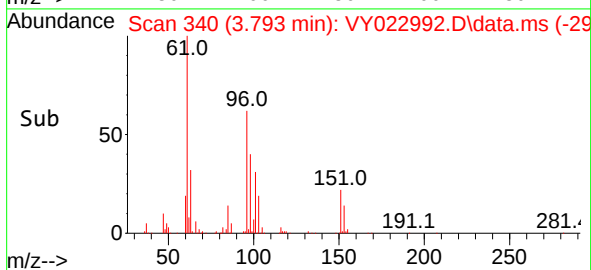
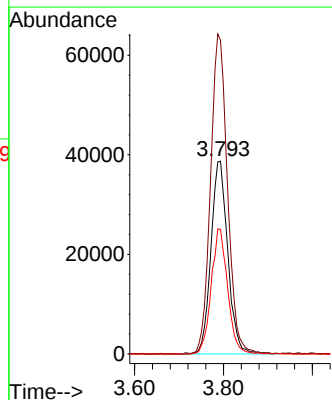
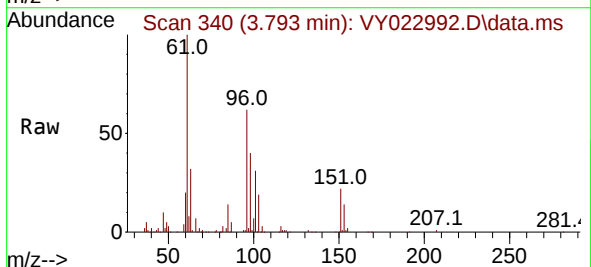
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

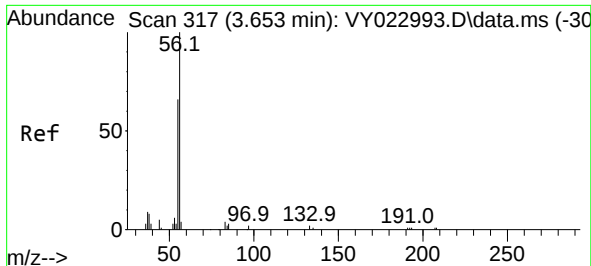
Tgt Ion: 59 Resp: 28061
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 23.551 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 96 Resp: 102333
Ion Ratio Lower Upper
96 100
61 162.5 130.4 195.6
98 64.6 49.6 74.4

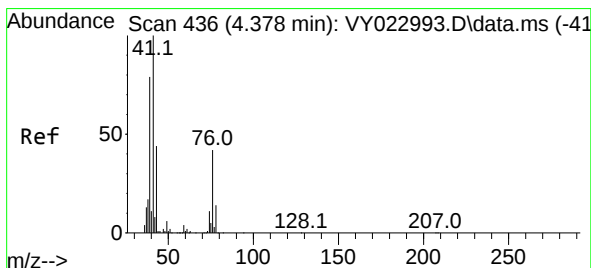
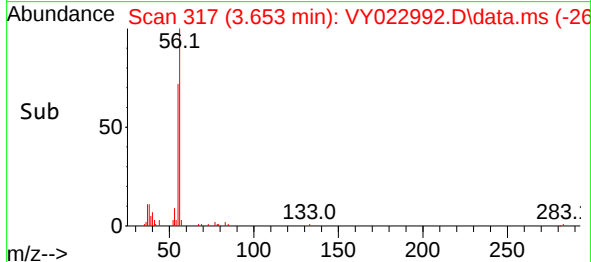
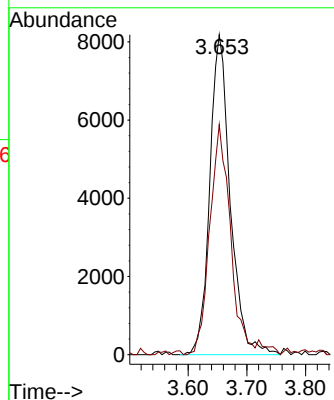
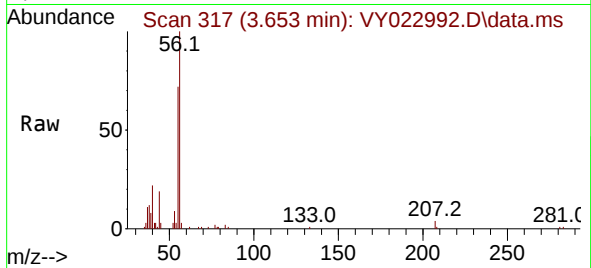




#13
Acrolein
Concen: 174.501 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

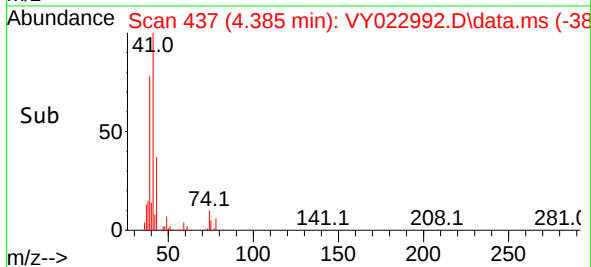
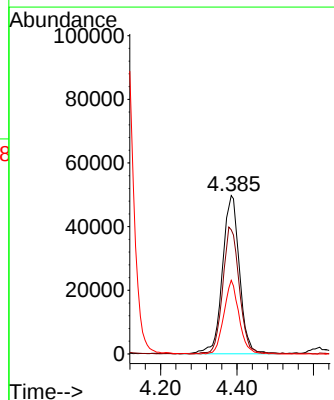
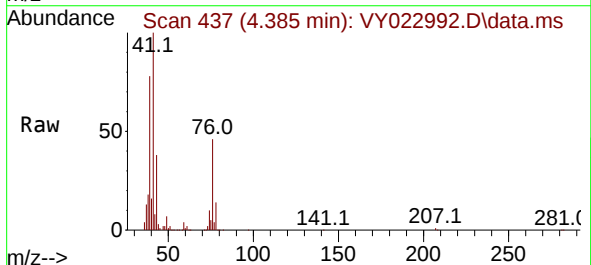
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

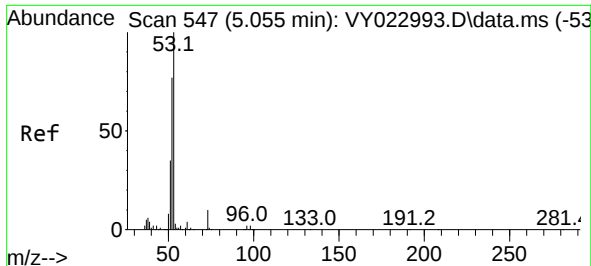
Tgt Ion: 56 Resp: 19800
Ion Ratio Lower Upper
56 100
55 71.9 57.8 86.6



#14
Allyl chloride
Concen: 23.195 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 41 Resp: 153543
Ion Ratio Lower Upper
41 100
39 78.5 60.1 90.1
76 41.5 32.2 48.4

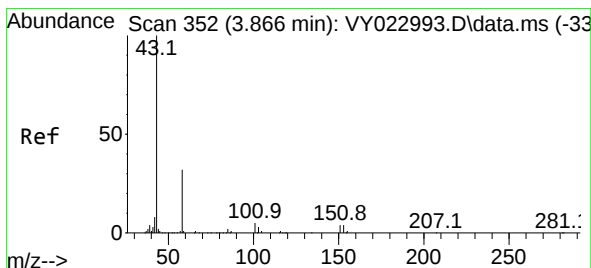
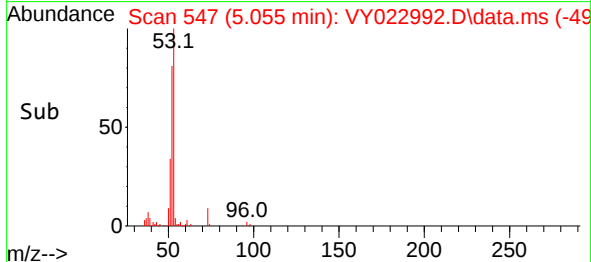
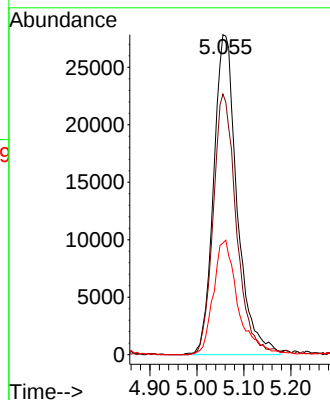
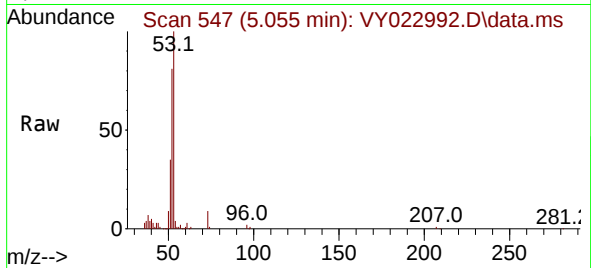




#15
Acrylonitrile
Concen: 112.128 ug/l
RT: 5.055 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

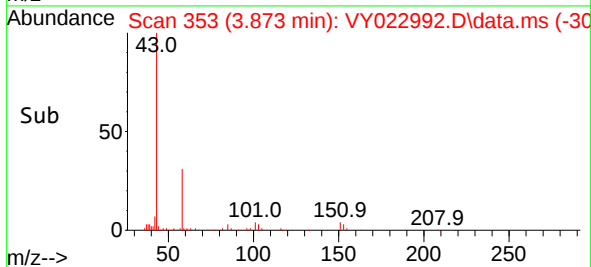
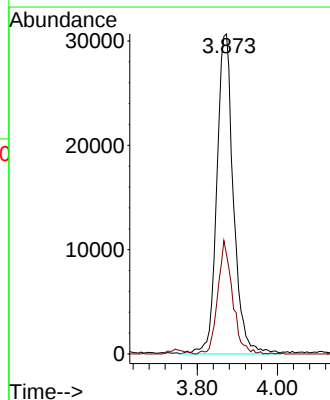
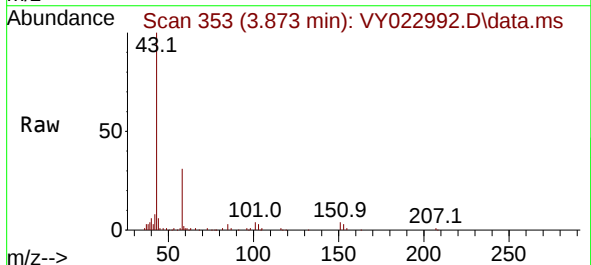
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

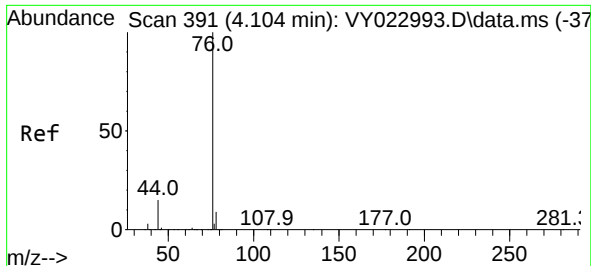
Tgt Ion: 53	Resp: 96516
Ion Ratio	Lower Upper
53	100
52	80.9 65.2 97.8
51	37.7 30.3 45.5



#16
Acetone
Concen: 117.937 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 43	Resp: 88498
Ion Ratio	Lower Upper
43	100
58	31.2 26.2 39.4

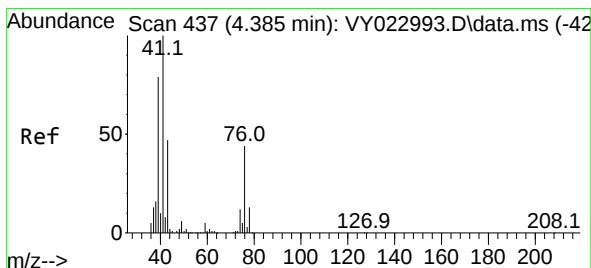
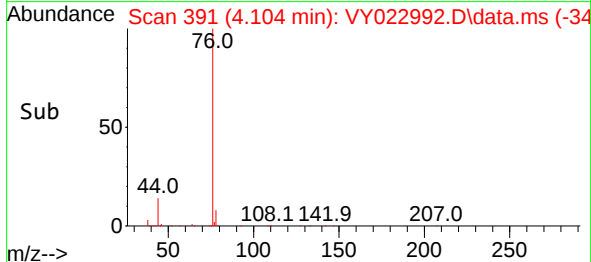
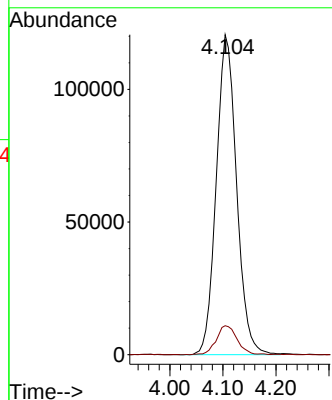
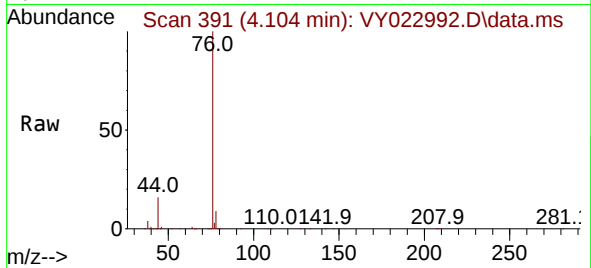




#17
Carbon Disulfide
Concen: 24.374 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

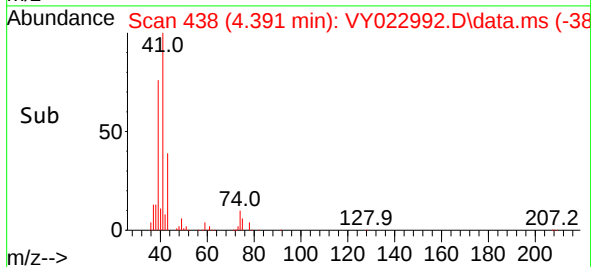
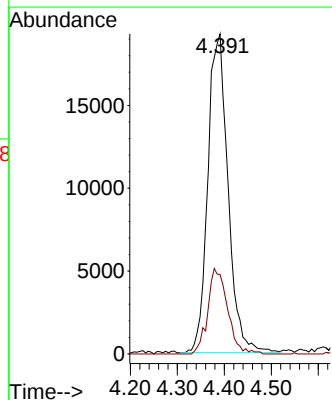
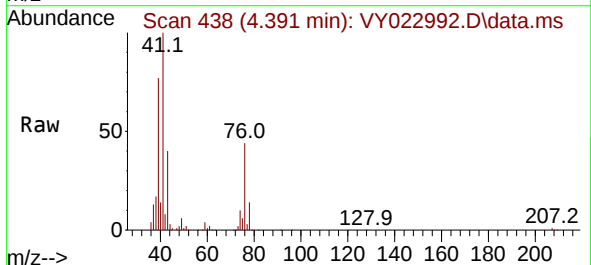
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

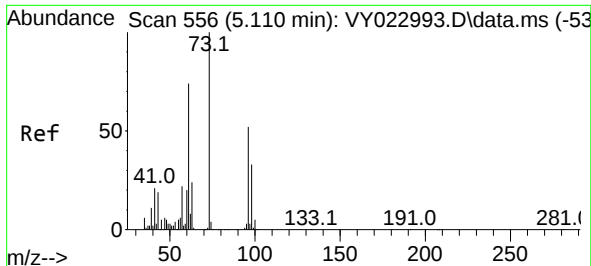
Tgt Ion: 76 Resp: 320990
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 22.614 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 43 Resp: 57450
Ion Ratio Lower Upper
43 100
74 26.3 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 22.778 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

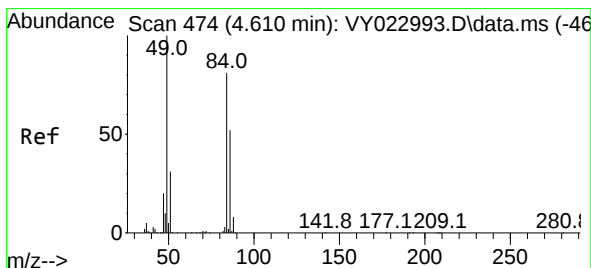
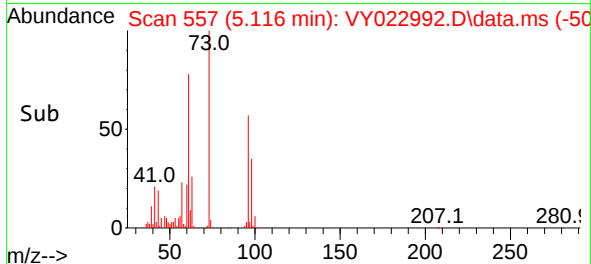
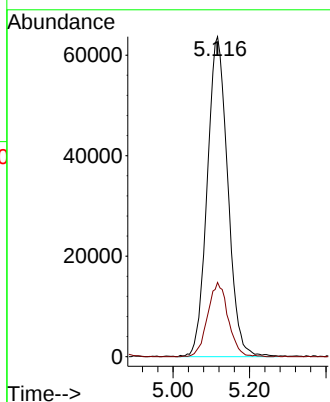
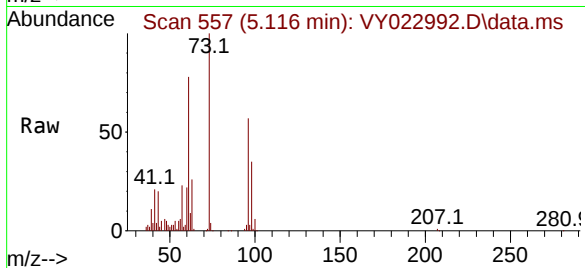
VSTDICC020

Tgt Ion: 73 Resp: 237393

Ion Ratio Lower Upper

73 100

57 23.2 17.4 26.2



#20

Methylene Chloride

Concen: 24.700 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Tgt Ion: 84 Resp: 152623

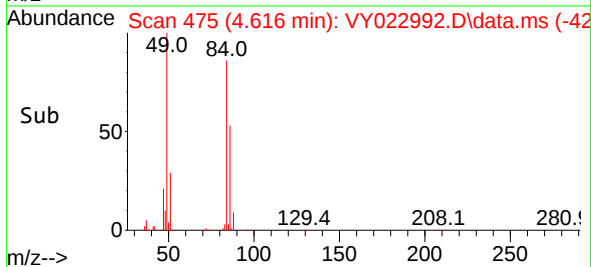
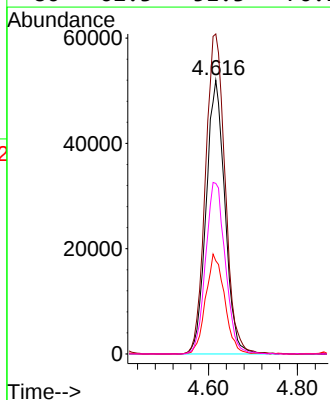
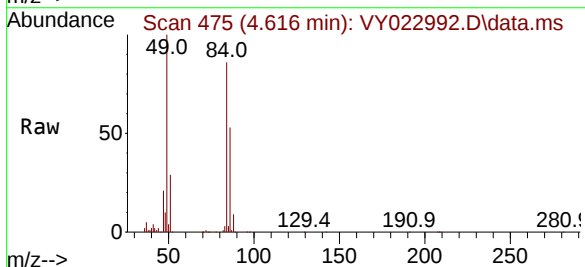
Ion Ratio Lower Upper

84 100

49 116.9 98.2 147.4

51 34.0 30.5 45.7

86 62.3 51.3 76.9

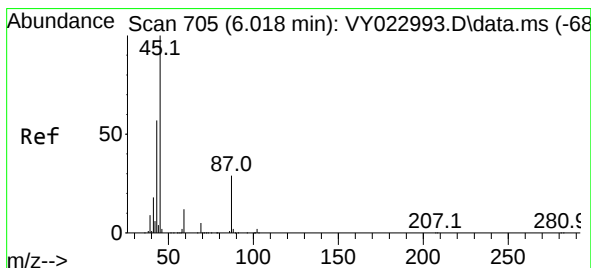
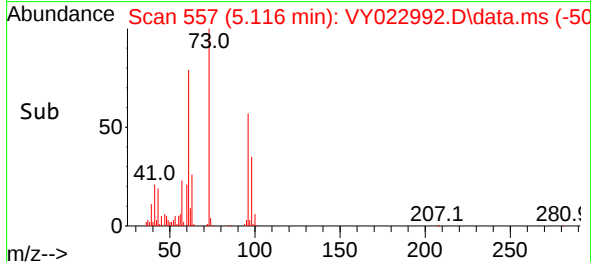
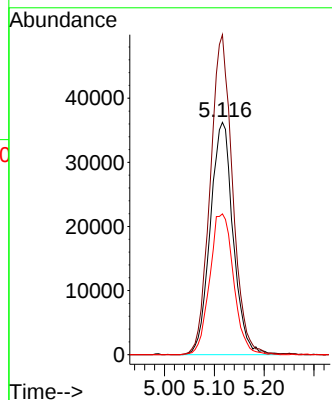
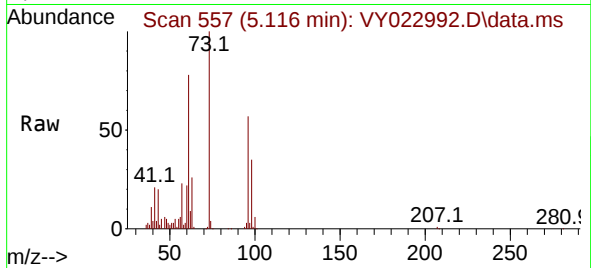




#21
trans-1,2-Dichloroethene
Concen: 23.899 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

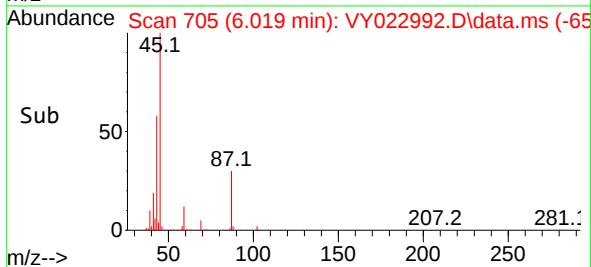
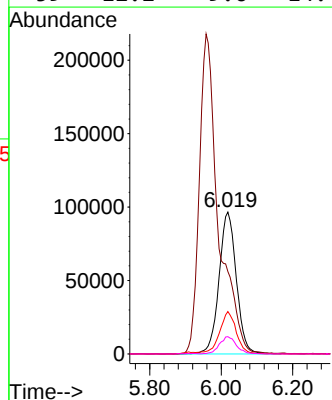
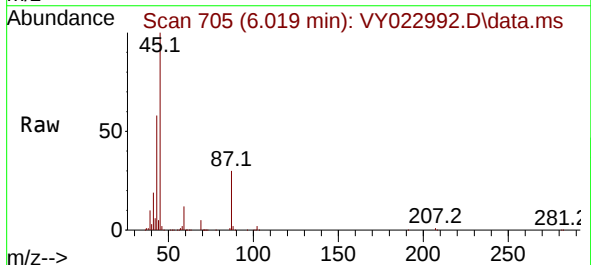
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

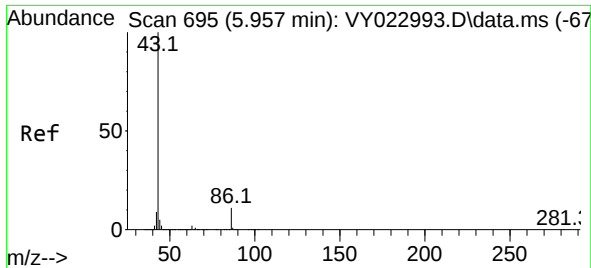
Tgt Ion: 96 Resp: 115595
Ion Ratio Lower Upper
96 100
61 137.7 107.4 161.2
98 60.6 49.3 73.9



#22
Diisopropyl ether
Concen: 23.155 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 45 Resp: 325183
Ion Ratio Lower Upper
45 100
43 57.8 45.3 67.9
87 29.8 23.3 34.9
59 12.2 9.6 14.4

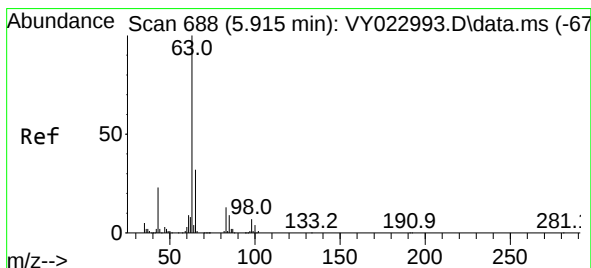
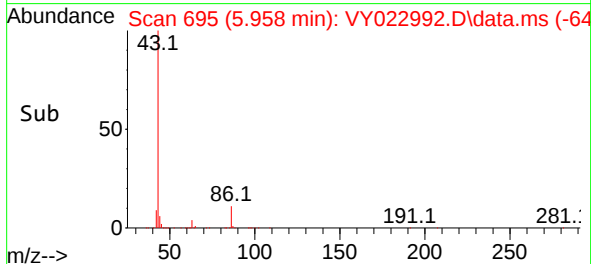
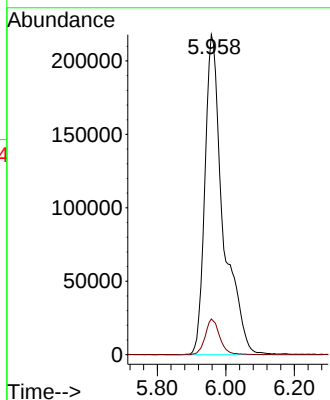
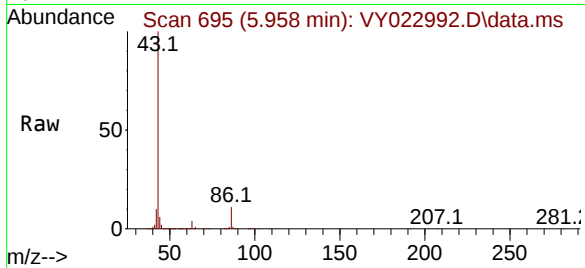




#23
 Vinyl Acetate
 Concen: 114.282 ug/l
 RT: 5.958 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VY022992.D
 Acq: 18 Jul 2025 11:41

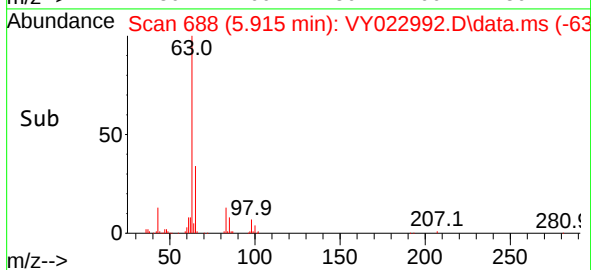
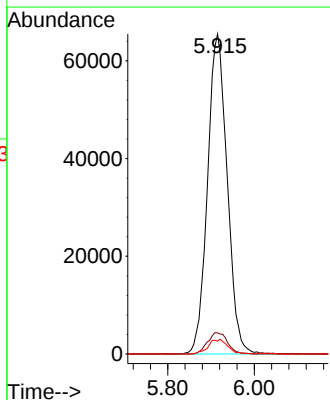
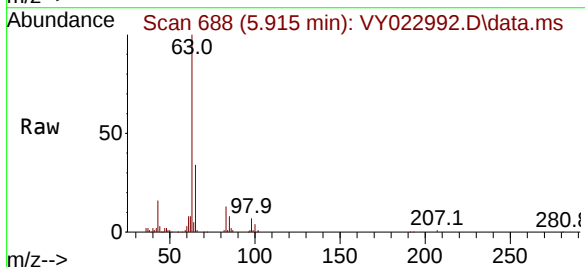
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

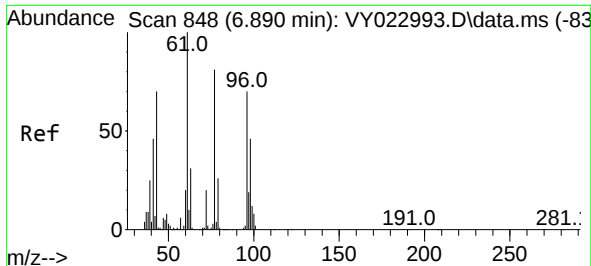
Tgt Ion: 43 Resp: 808683
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.0 13.4



#24
 1,1-Dichloroethane
 Concen: 23.379 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY022992.D
 Acq: 18 Jul 2025 11:41

Tgt Ion: 63 Resp: 206224
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 4.0 2.1 6.2

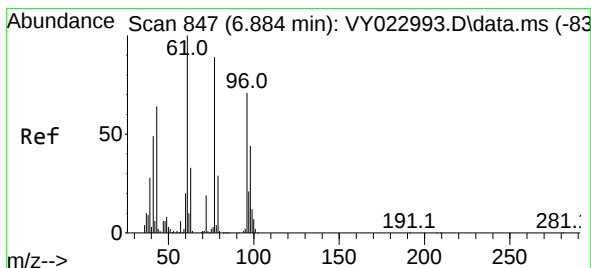
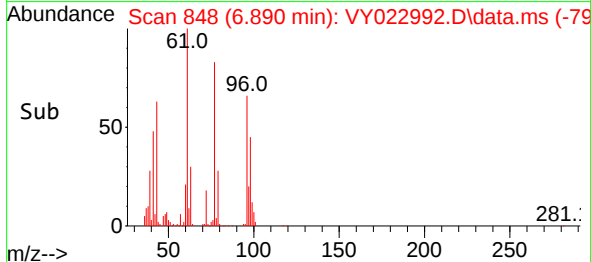
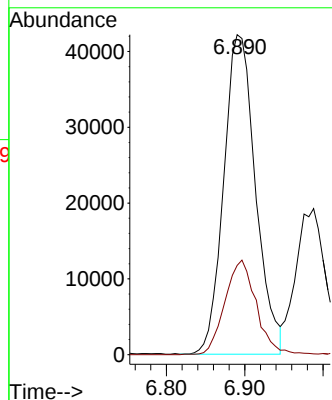
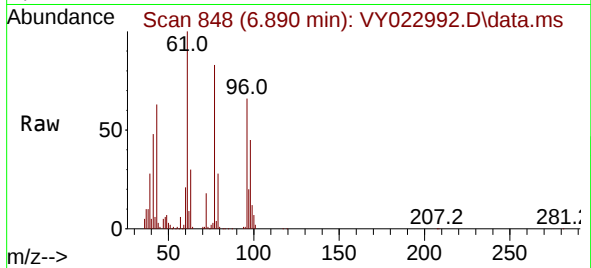




#25
2-Butanone
Concen: 110.662 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

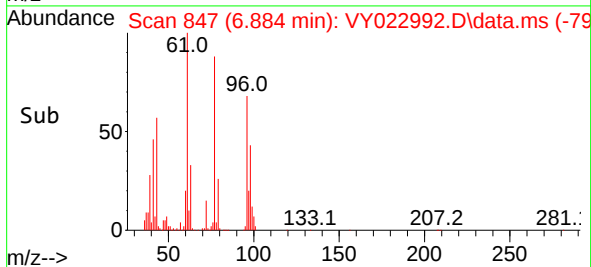
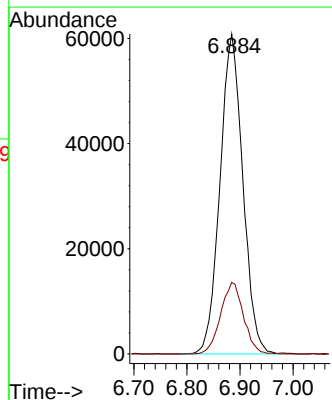
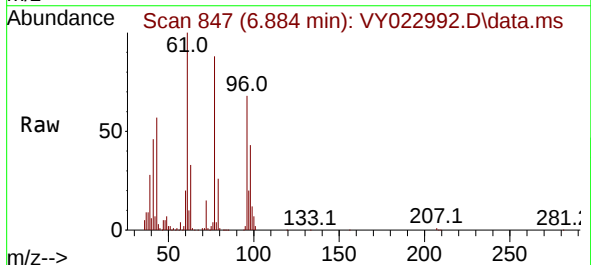
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

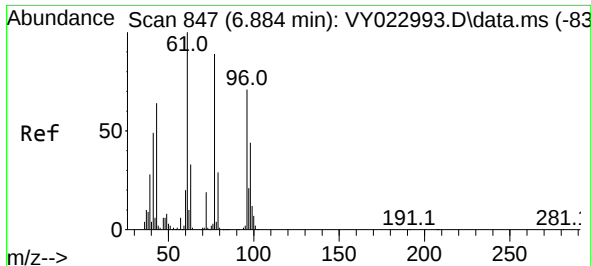
Tgt Ion: 43 Resp: 119127
Ion Ratio Lower Upper
43 100
72 27.9 22.9 34.3



#26
2,2-Dichloropropane
Concen: 23.510 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 77 Resp: 181752
Ion Ratio Lower Upper
77 100
97 22.4 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 23.120 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

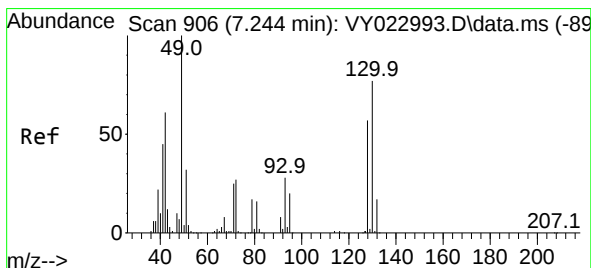
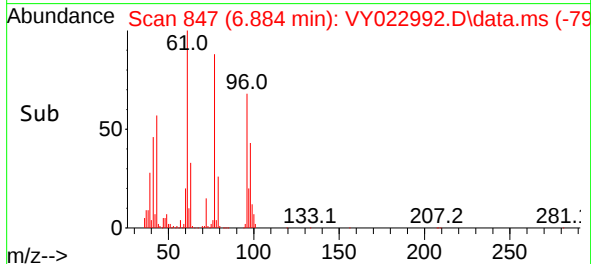
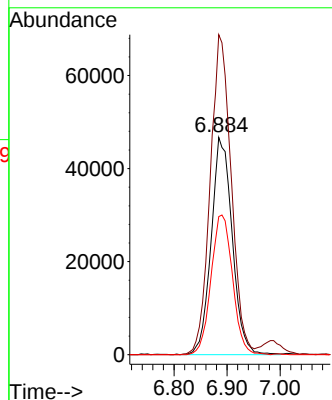
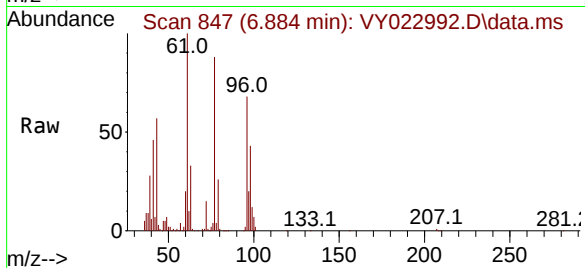
Tgt Ion: 96 Resp: 128882

Ion Ratio Lower Upper

96 100

61 146.8 0.0 286.2

98 65.5 0.0 127.4



#28

Bromochloromethane

Concen: 23.340 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

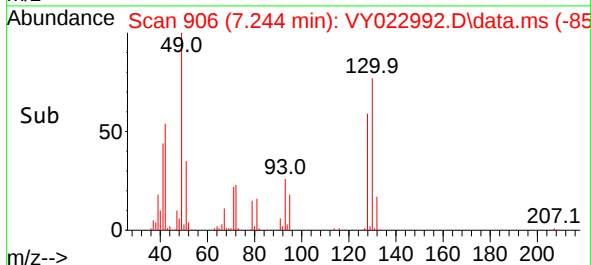
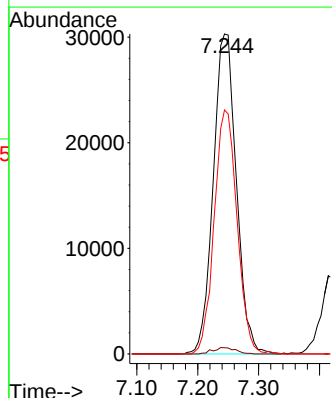
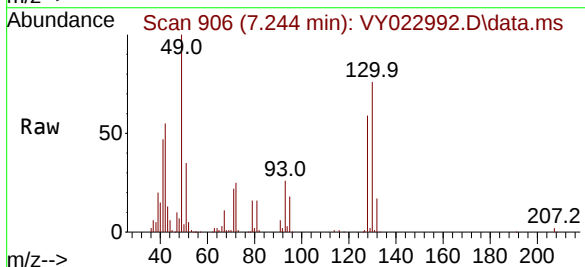
Tgt Ion: 49 Resp: 79854

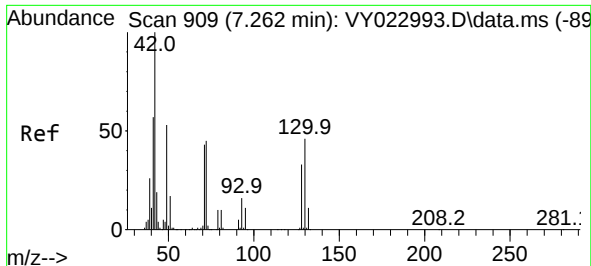
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 75.2 61.8 92.8

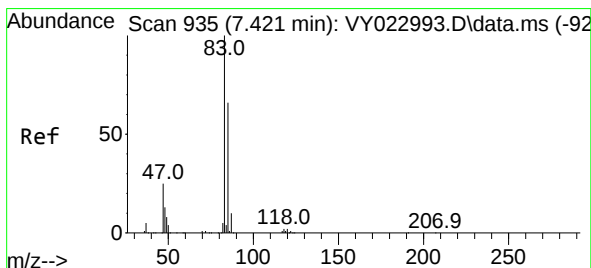
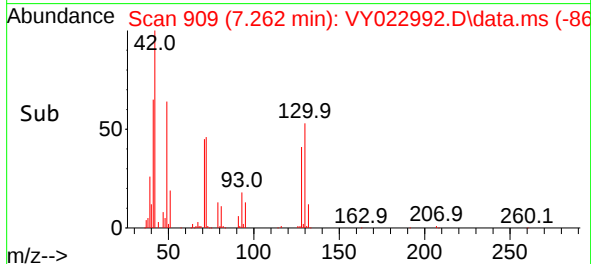
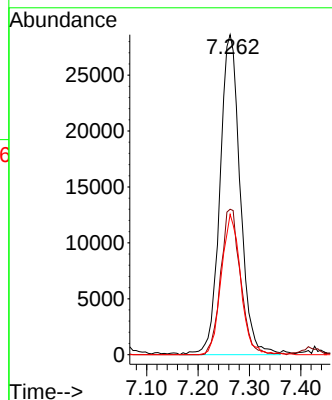
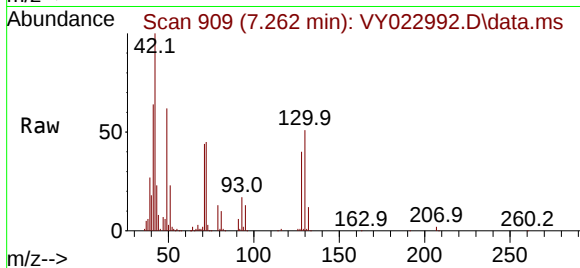




#29
Tetrahydrofuran
Concen: 114.888 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

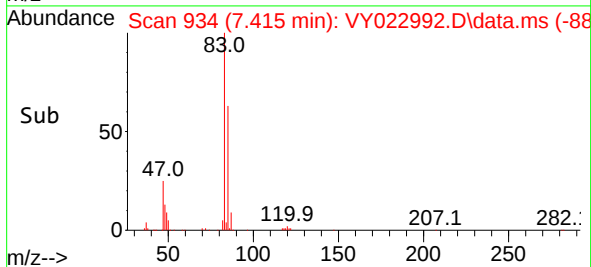
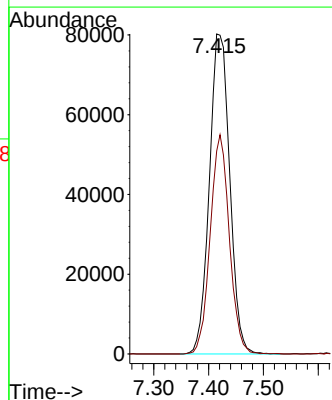
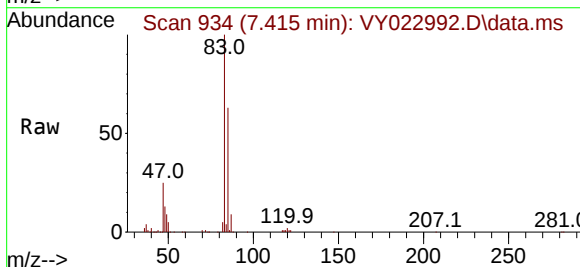
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

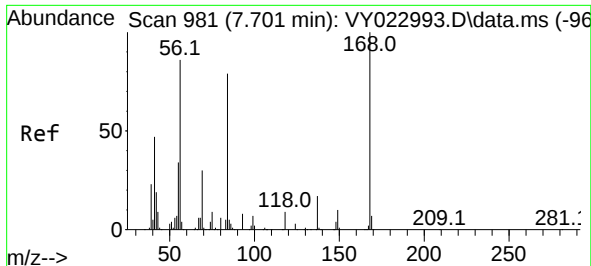
Tgt Ion: 42 Resp: 78302
Ion Ratio Lower Upper
42 100
72 44.5 37.5 56.3
71 42.0 34.2 51.4



#30
Chloroform
Concen: 23.282 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 83 Resp: 207172
Ion Ratio Lower Upper
83 100
85 63.4 52.6 78.8

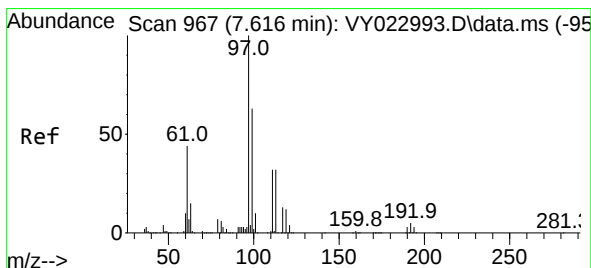
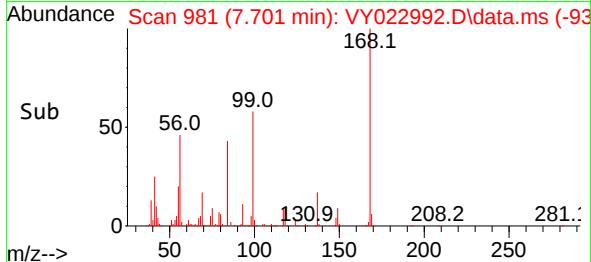
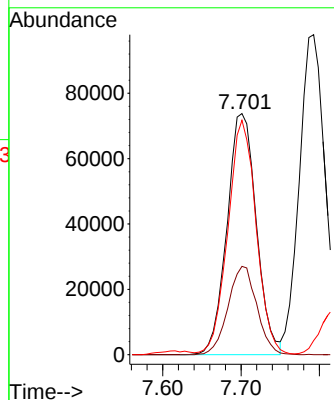
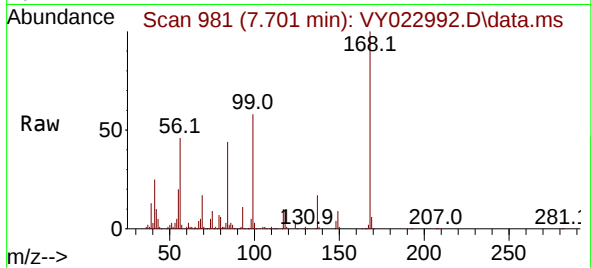




#31
Cyclohexane
Concen: 23.319 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

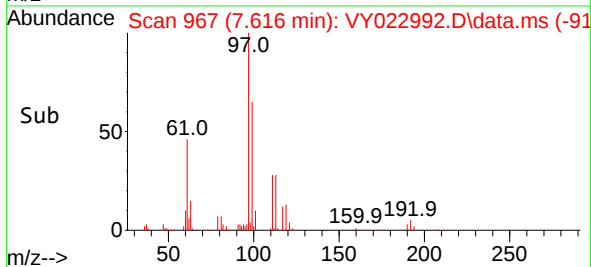
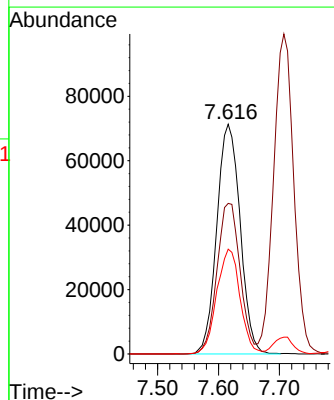
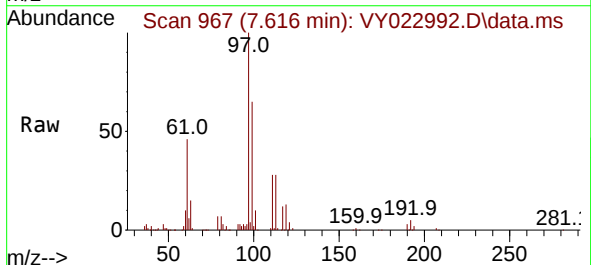
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

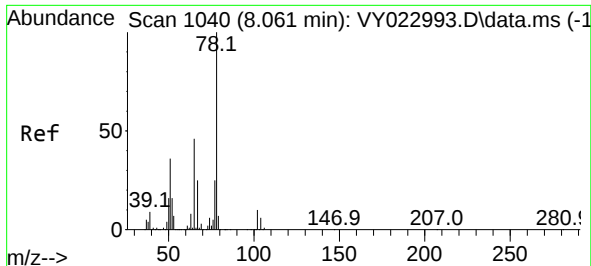
Tgt Ion: 56 Resp: 192200
Ion Ratio Lower Upper
56 100
69 36.6 28.1 42.1
84 96.1 73.5 110.3



#32
1,1,1-Trichloroethane
Concen: 23.546 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 97 Resp: 190105
Ion Ratio Lower Upper
97 100
99 64.8 51.1 76.7
61 45.5 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 23.248 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

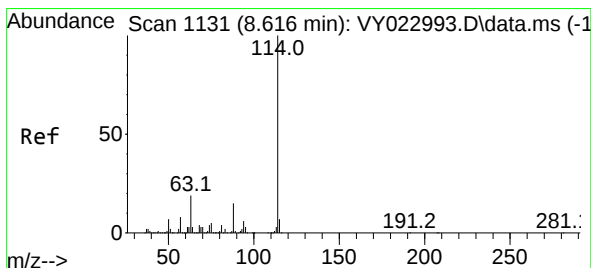
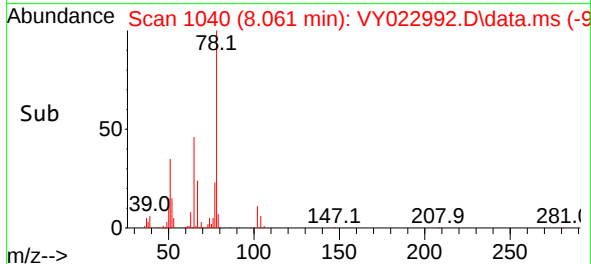
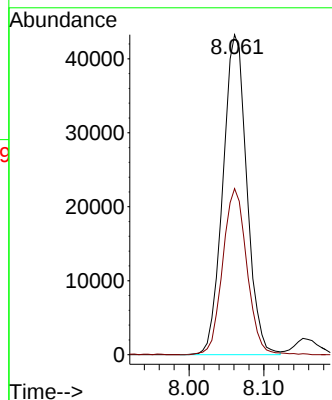
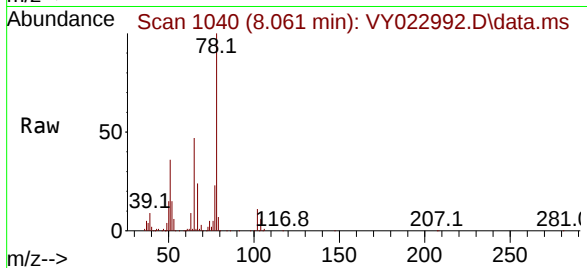
VSTDIC020

Tgt Ion: 65 Resp: 96238

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

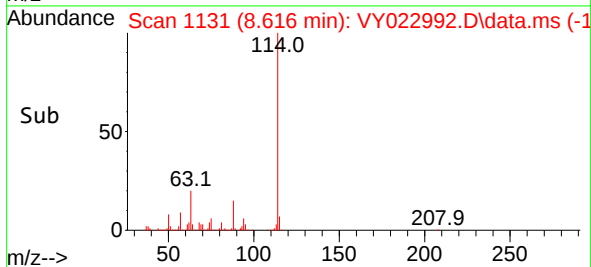
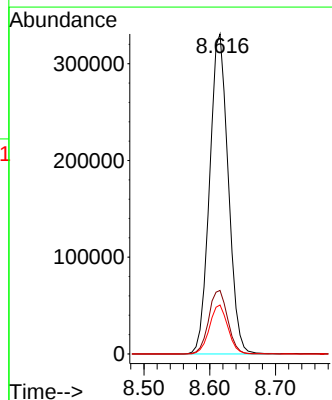
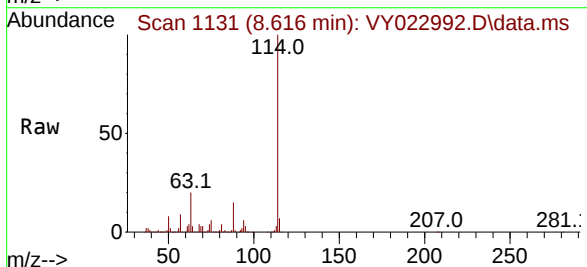
Tgt Ion: 114 Resp: 651408

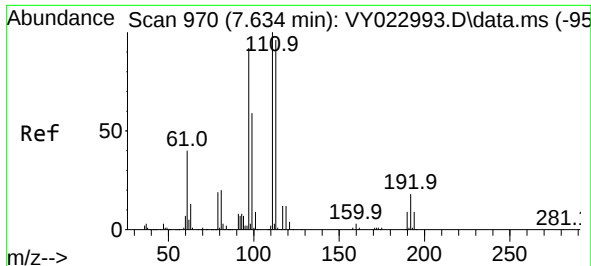
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

88 15.3 0.0 30.2

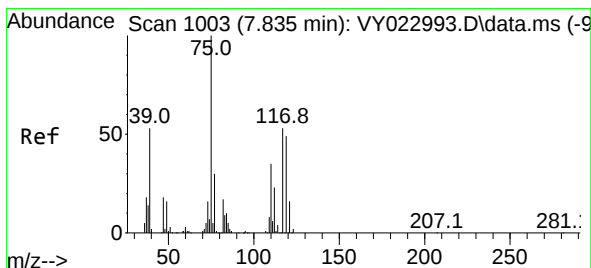
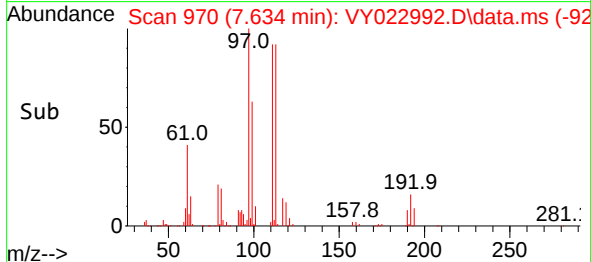
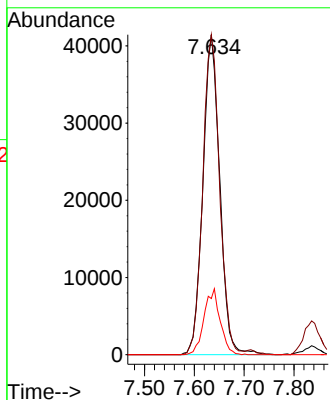
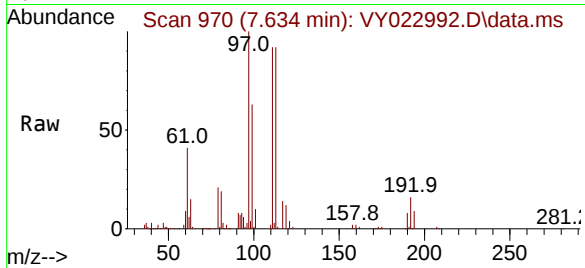




#35
Dibromofluoromethane
Concen: 23.589 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

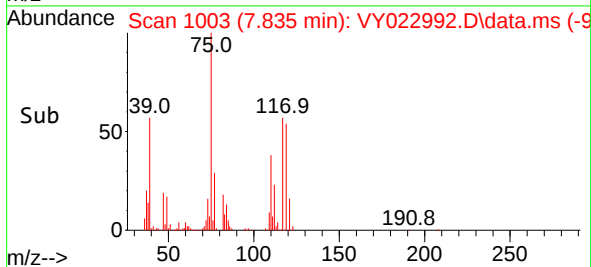
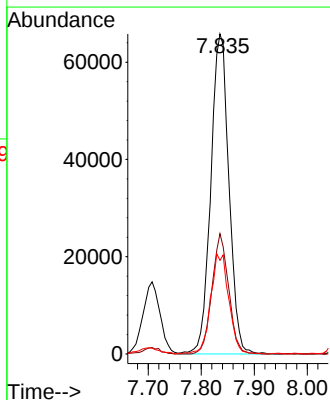
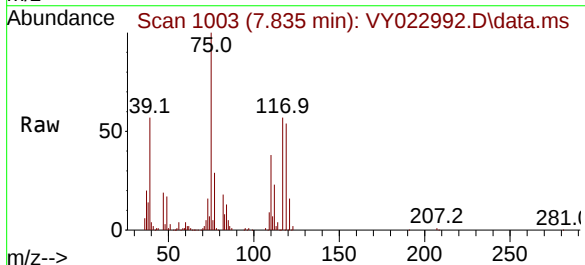
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

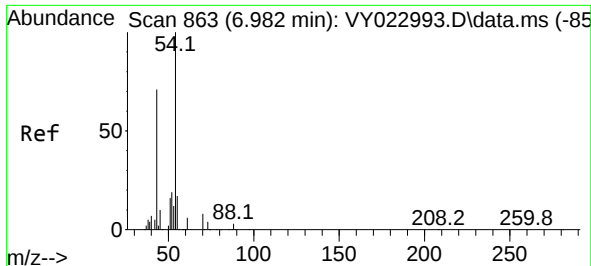
Tgt Ion:113 Resp: 97474
Ion Ratio Lower Upper
113 100
111 99.8 83.2 124.8
192 19.6 15.3 22.9



#36
1,1-Dichloropropene
Concen: 24.012 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 75 Resp: 156287
Ion Ratio Lower Upper
75 100
110 34.5 17.3 51.9
77 31.4 24.6 37.0

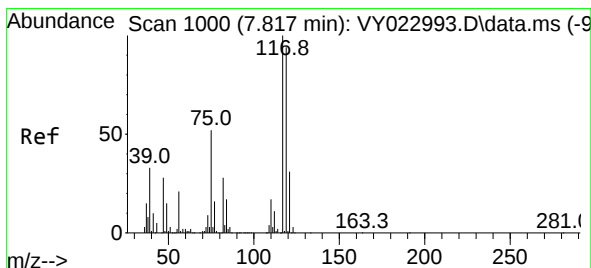
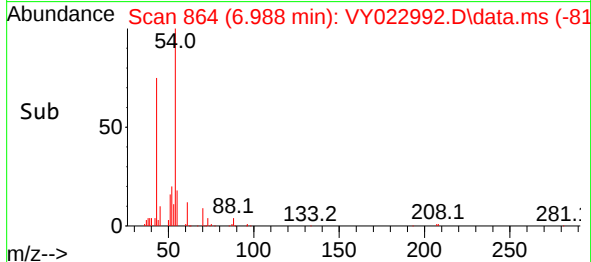
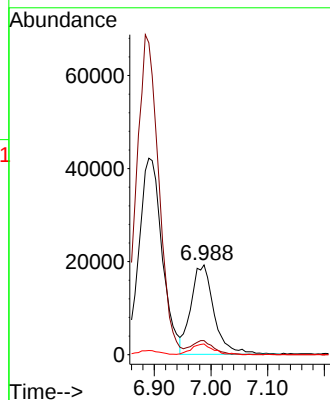
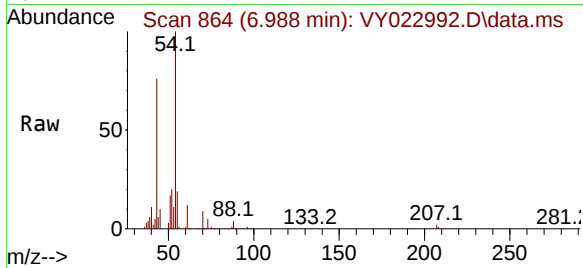




#37
Ethyl Acetate
Concen: 22.333 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

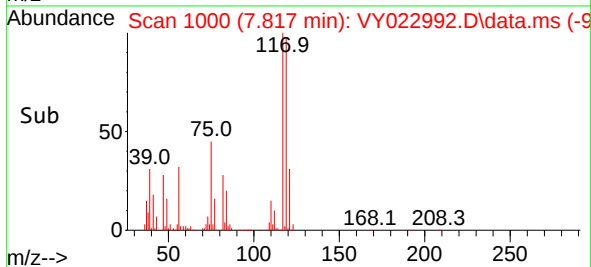
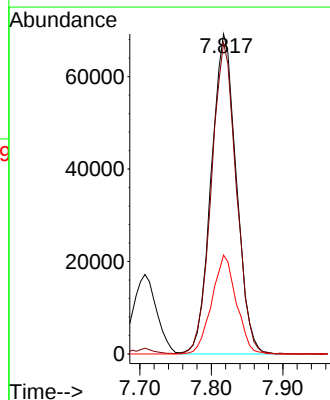
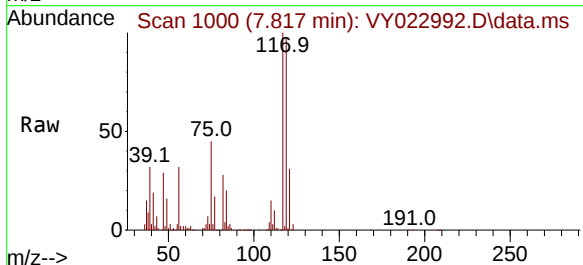
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

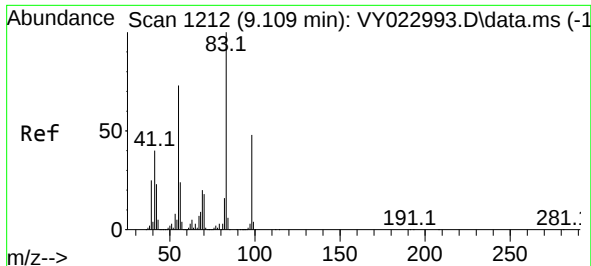
Tgt Ion: 43 Resp: 53987
Ion Ratio Lower Upper
43 100
61 14.7 11.6 17.4
70 10.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 23.880 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 117 Resp: 168861
Ion Ratio Lower Upper
117 100
119 97.0 74.9 112.3
121 30.9 24.6 37.0





#39

Methylcyclohexane

Concen: 23.636 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

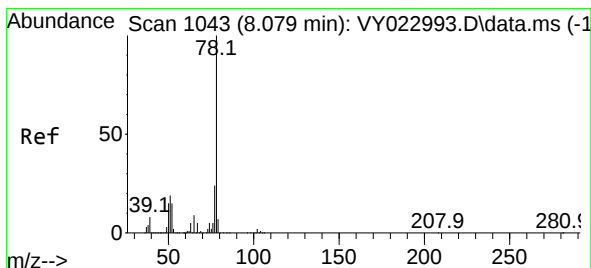
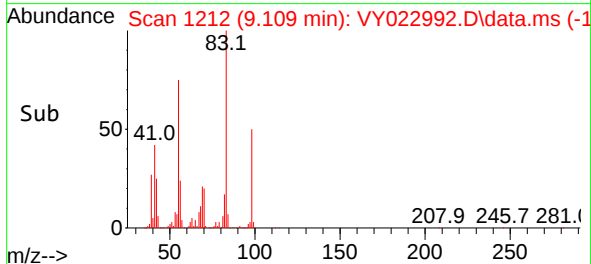
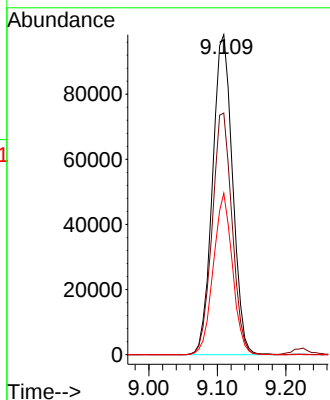
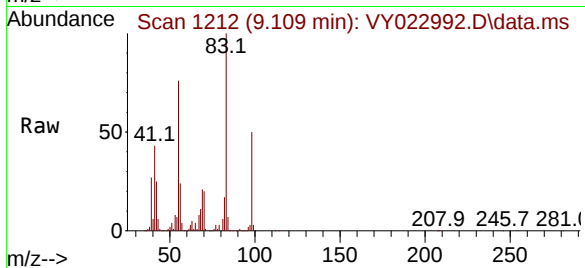
Tgt Ion: 83 Resp: 199123

Ion Ratio Lower Upper

83 100

55 75.5 58.1 87.1

98 50.4 38.5 57.7



#40

Benzene

Concen: 23.613 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY022992.D

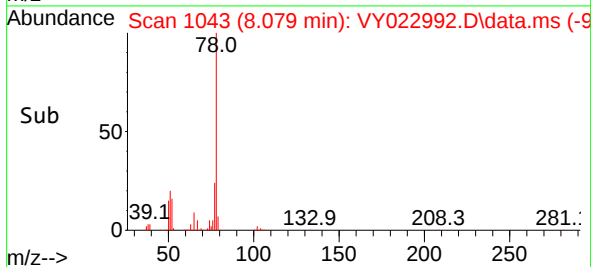
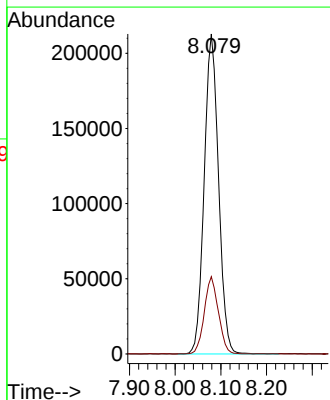
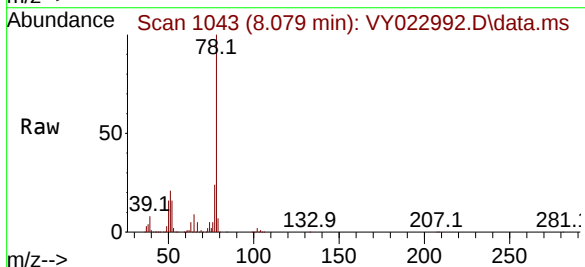
Acq: 18 Jul 2025 11:41

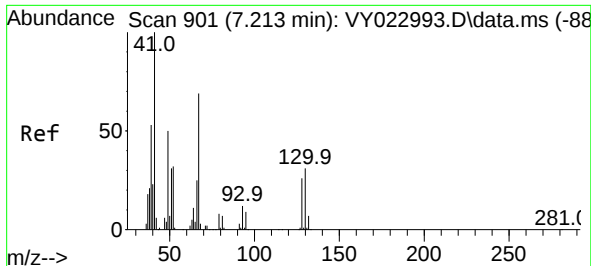
Tgt Ion: 78 Resp: 462756

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4

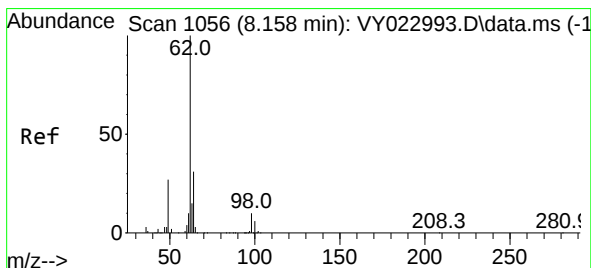
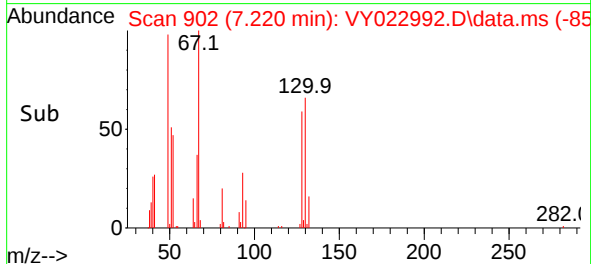
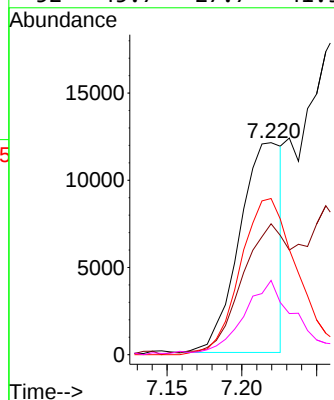
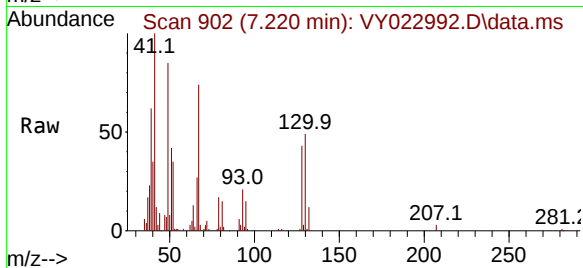




#41
Methacrylonitrile
Concen: 18.616 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

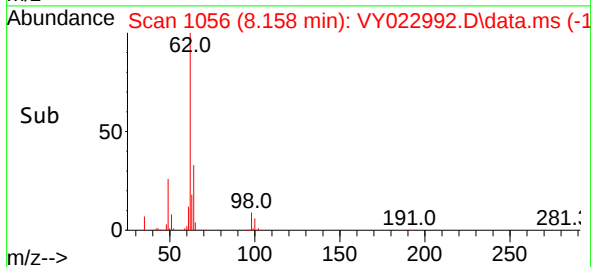
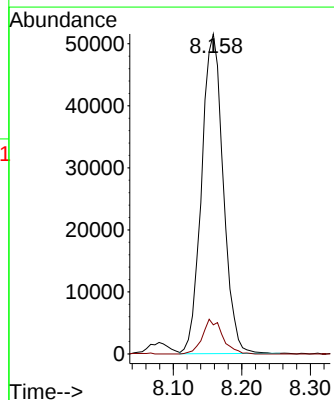
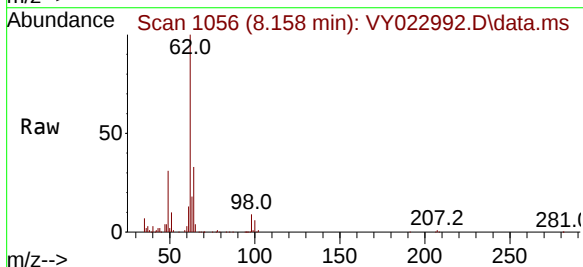
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

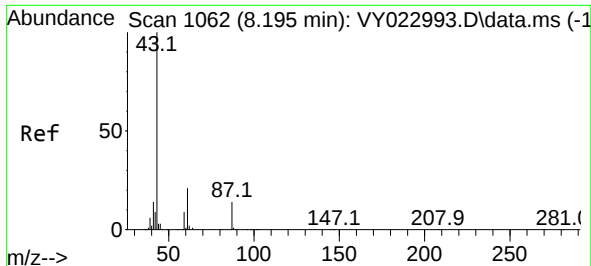
Tgt Ion:	41	Resp:	23752
Ion	Ratio	Lower	Upper
41	100		
39	68.5	50.0	75.0
67	101.7	65.4	98.2#
52	45.7	27.7	41.5#



#42
1,2-Dichloroethane
Concen: 23.210 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion:	62	Resp:	113164
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0

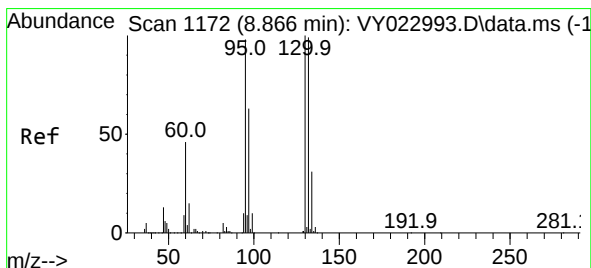
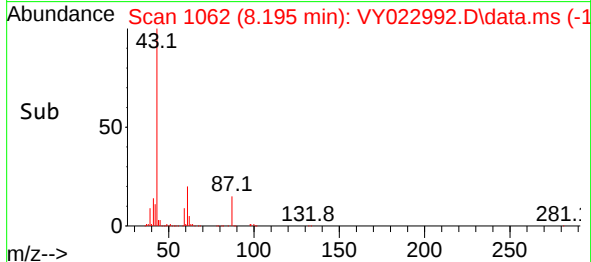
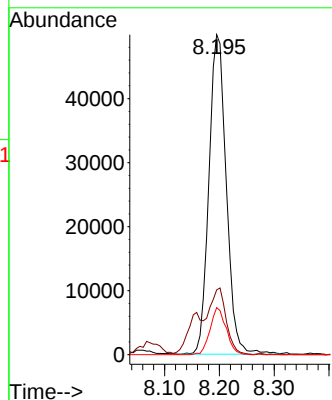
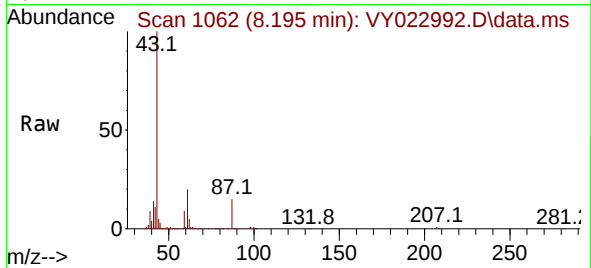




#43
Isopropyl Acetate
Concen: 22.853 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

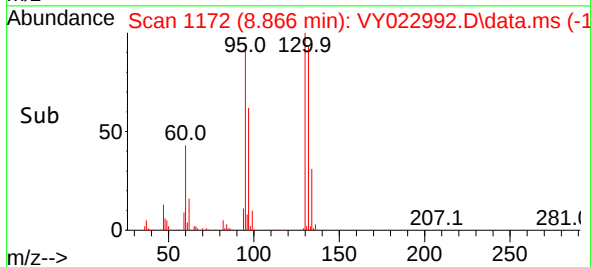
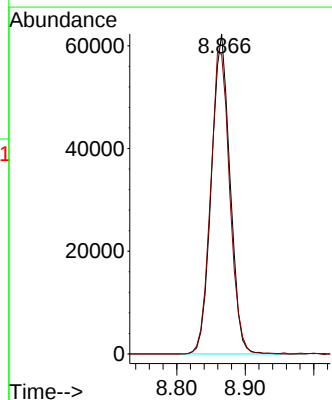
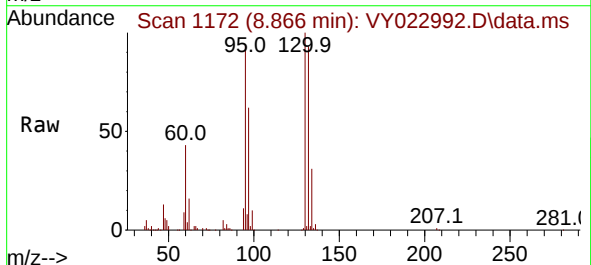
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

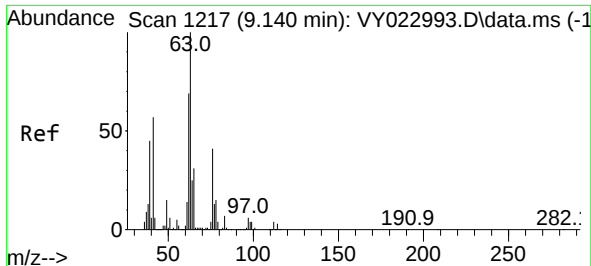
Tgt Ion: 43 Resp: 109734
Ion Ratio Lower Upper
43 100
61 20.4 25.0 37.4#
87 13.7 11.1 16.7



#44
Trichloroethene
Concen: 23.293 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion:130 Resp: 117248
Ion Ratio Lower Upper
130 100
95 93.6 0.0 195.8





#45

1,2-Dichloropropane

Concen: 23.583 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

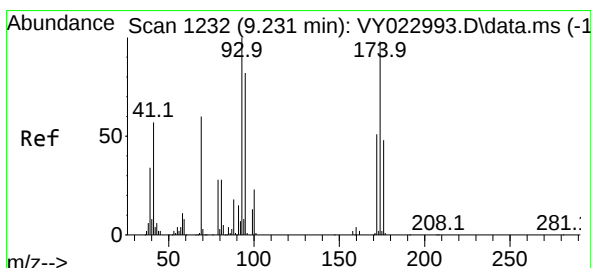
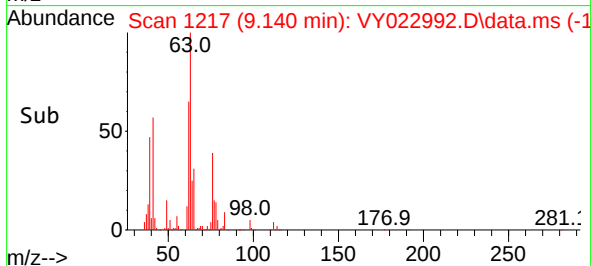
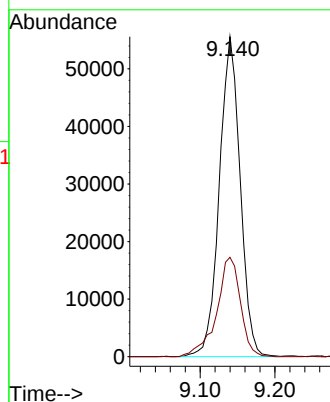
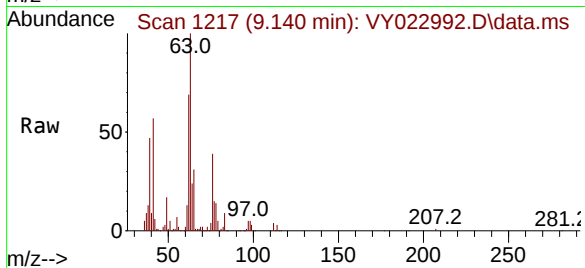
VSTDIC020

Tgt Ion: 63 Resp: 107925

Ion Ratio Lower Upper

63 100

65 31.1 24.6 37.0



#46

Dibromomethane

Concen: 23.074 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

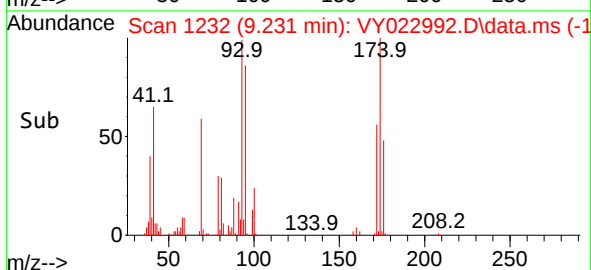
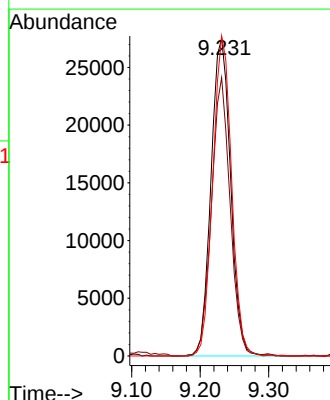
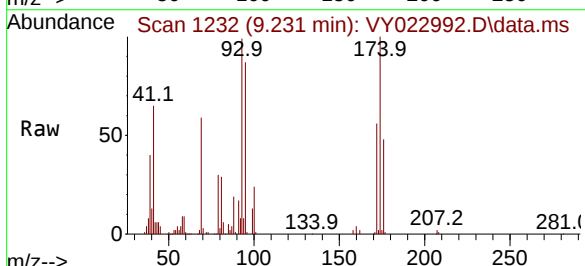
Tgt Ion: 93 Resp: 54583

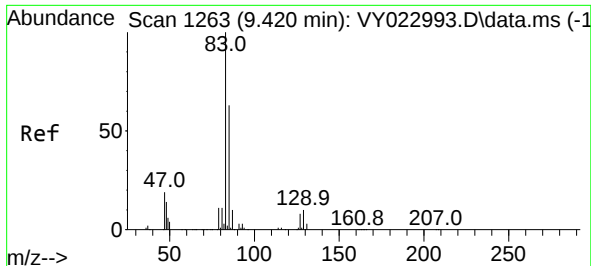
Ion Ratio Lower Upper

93 100

95 83.3 65.9 98.9

174 96.7 76.4 114.6

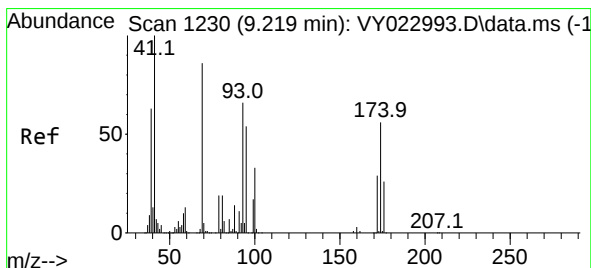
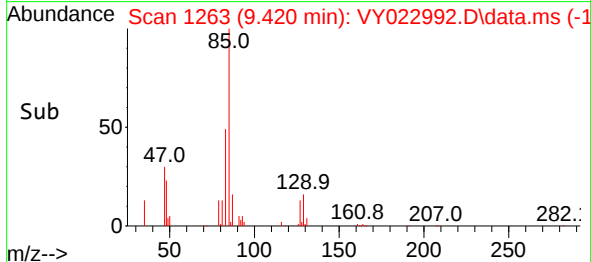
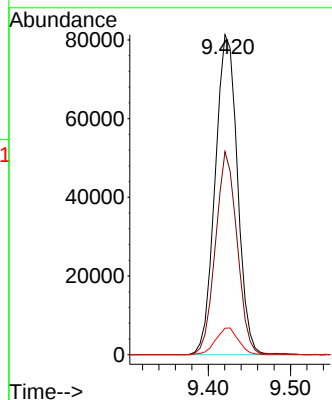
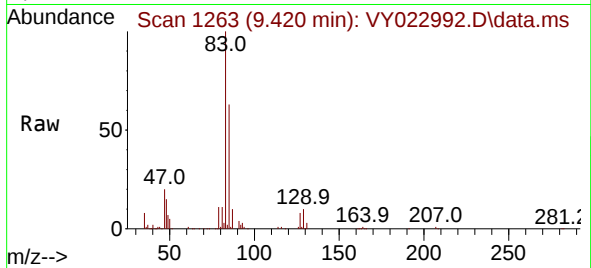




#47
Bromodichloromethane
Concen: 23.413 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

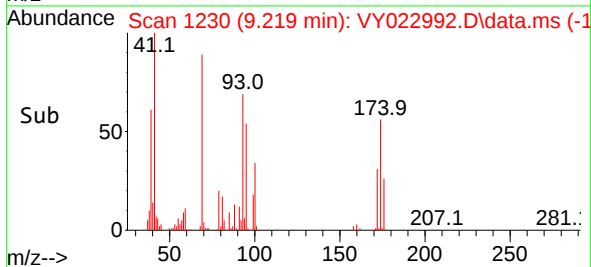
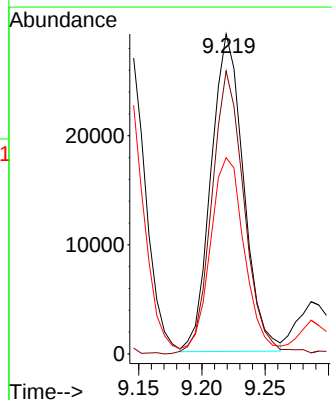
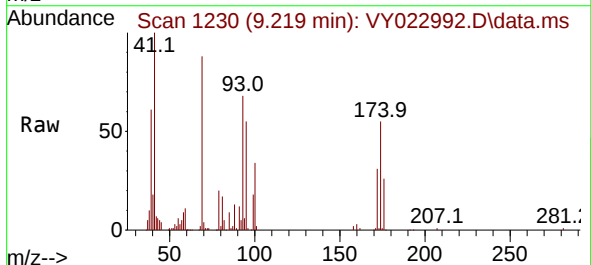
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

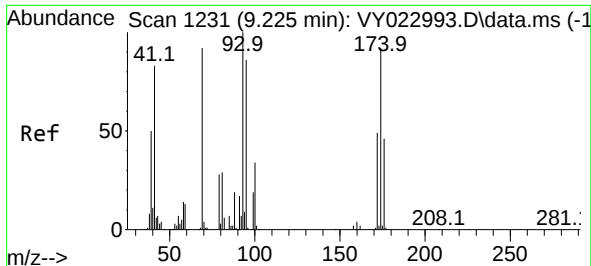
Tgt Ion: 83 Resp: 153091
Ion Ratio Lower Upper
83 100
85 63.5 50.6 75.8
127 8.2 6.5 9.7



#48
Methyl methacrylate
Concen: 22.478 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 41 Resp: 52108
Ion Ratio Lower Upper
41 100
69 89.2 71.4 107.0
39 61.2 47.8 71.8





#49

1,4-Dioxane

Concen: 436.257 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

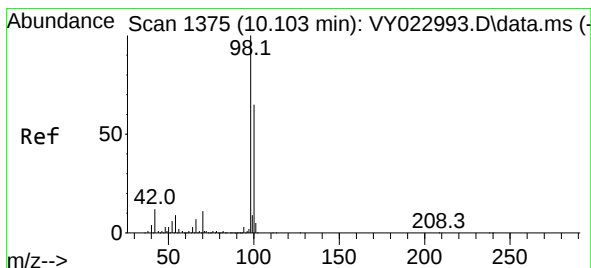
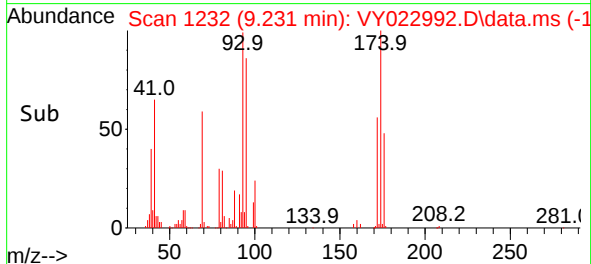
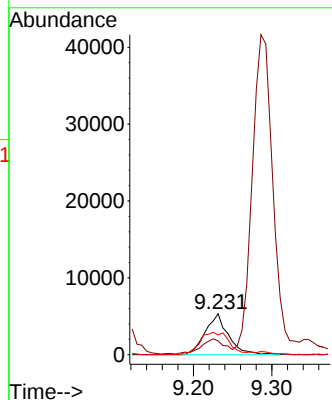
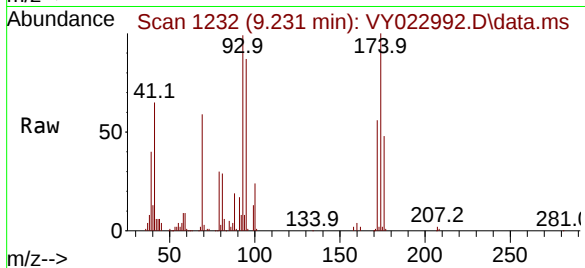
Tgt Ion: 88 Resp: 10878

Ion Ratio Lower Upper

88 100

43 38.0 28.7 43.1

58 69.6 59.8 89.6



#50

Toluene-d8

Concen: 23.556 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022992.D

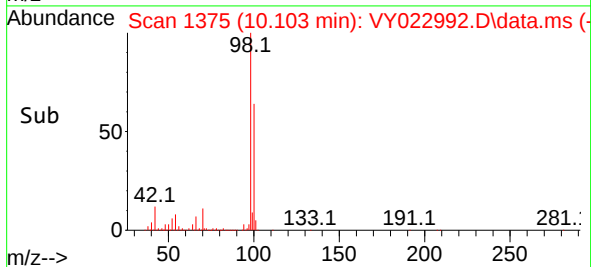
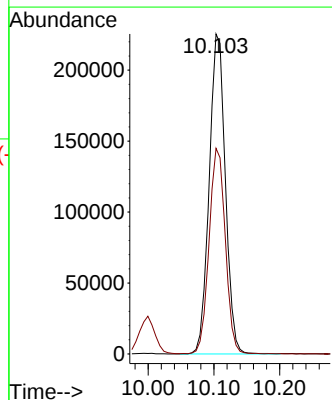
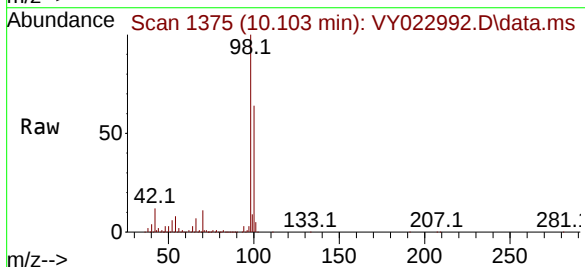
Acq: 18 Jul 2025 11:41

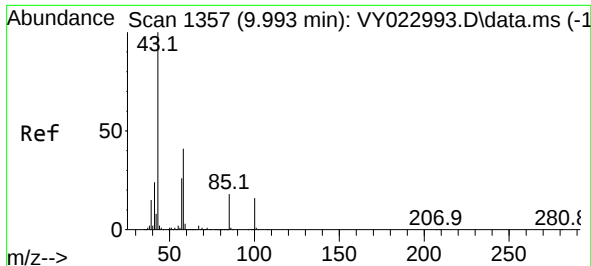
Tgt Ion: 98 Resp: 385999

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2

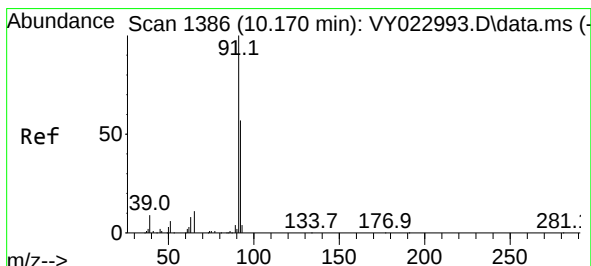
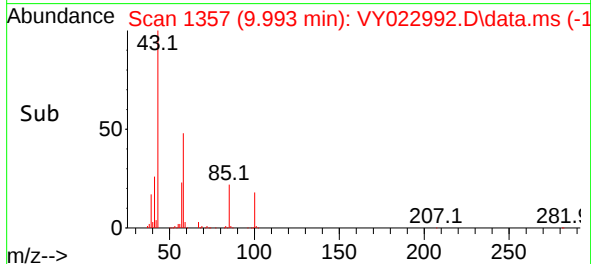
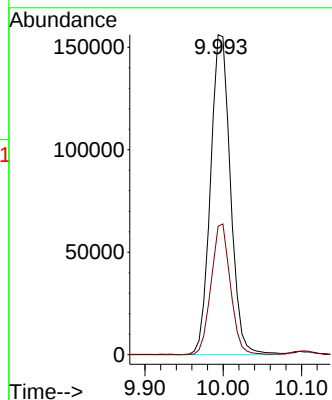
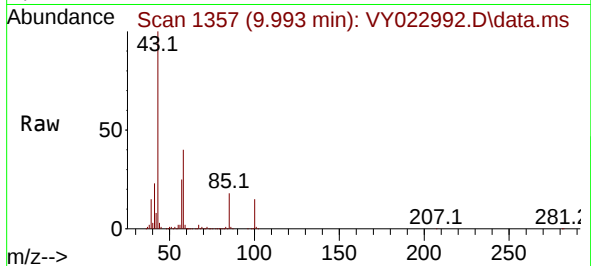




#51
4-Methyl-2-Pentanone
Concen: 113.395 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

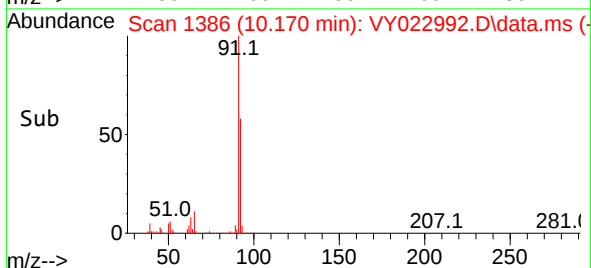
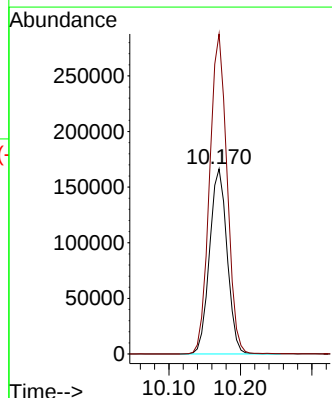
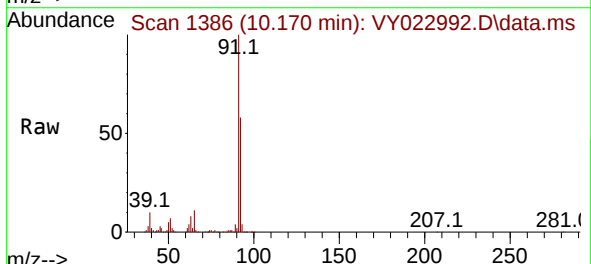
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

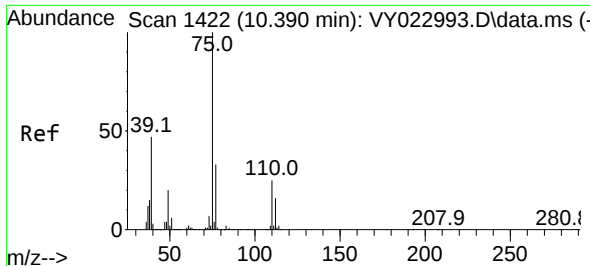
Tgt Ion: 43 Resp: 276366
Ion Ratio Lower Upper
43 100
58 39.5 32.5 48.7



#52
Toluene
Concen: 23.265 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 92 Resp: 283471
Ion Ratio Lower Upper
92 100
91 172.6 137.8 206.6

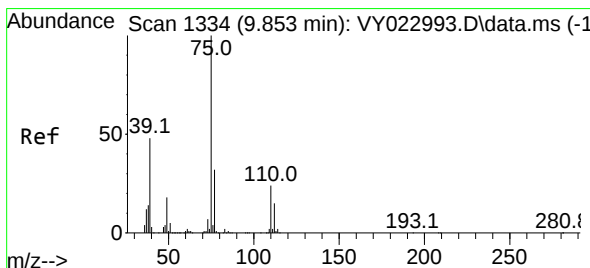
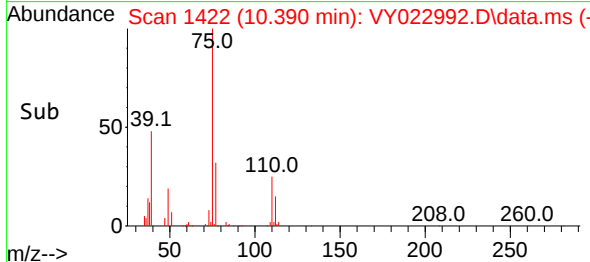
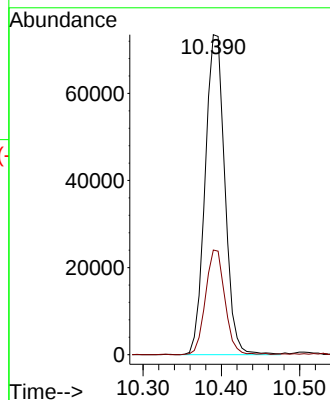
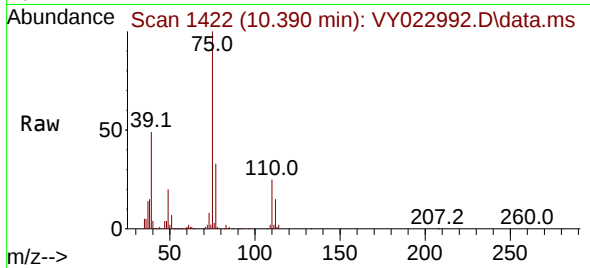




#53
t-1,3-Dichloropropene
Concen: 22.870 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

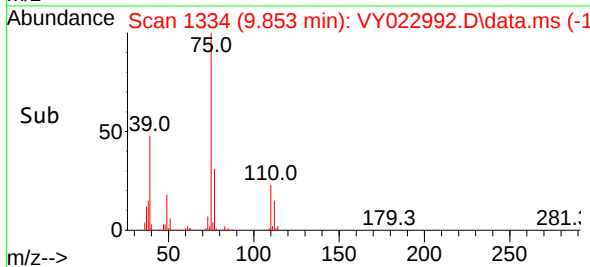
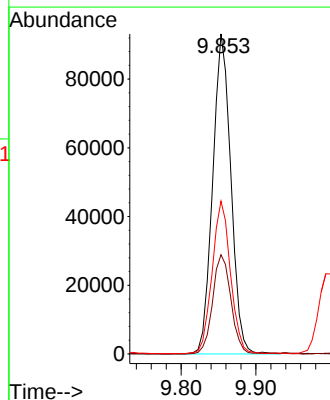
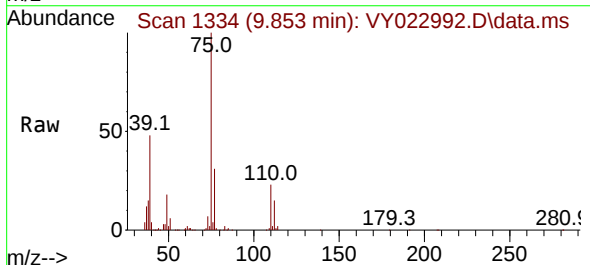
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

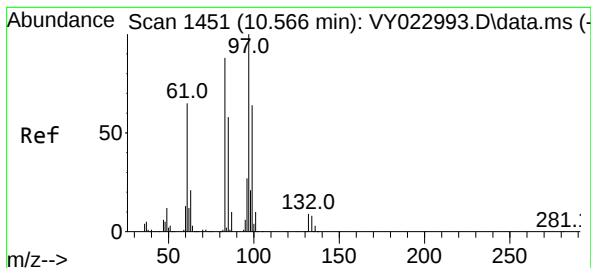
Tgt Ion: 75 Resp: 128369
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6



#54
cis-1,3-Dichloropropene
Concen: 23.288 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 75 Resp: 157554
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0
39 47.6 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 22.955 ug/l

RT: 10.573 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 71370

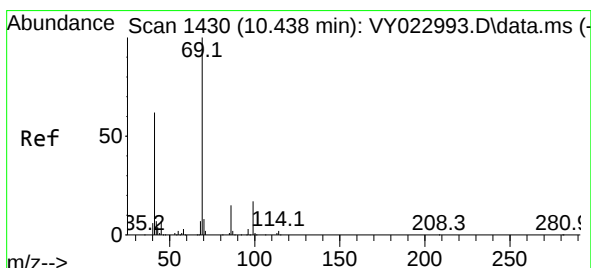
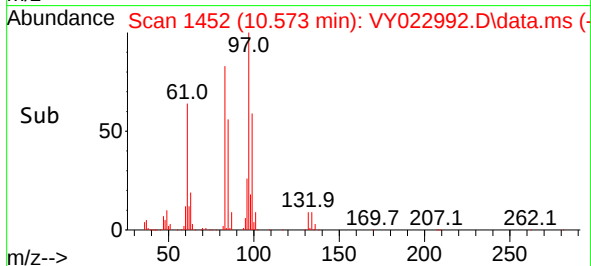
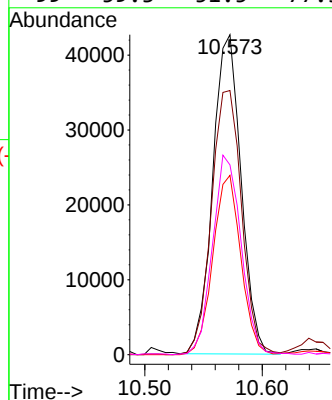
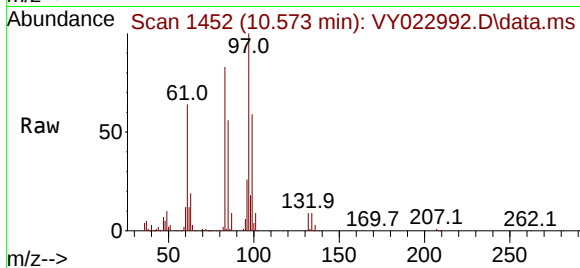
Ion Ratio Lower Upper

97 100

83 82.7 70.2 105.2

85 56.2 46.2 69.2

99 59.3 51.5 77.3



#56

Ethyl methacrylate

Concen: 21.644 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

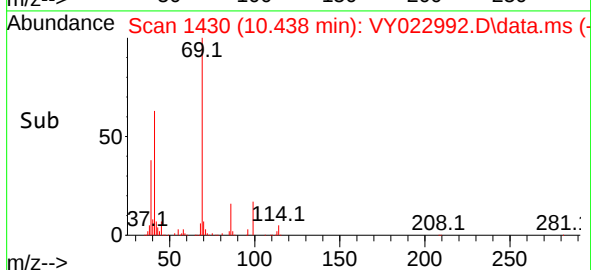
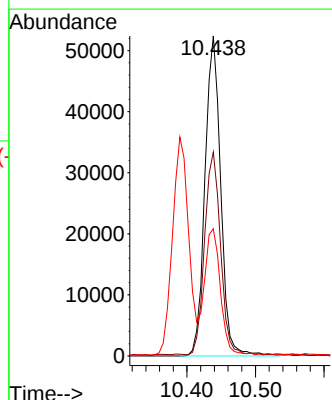
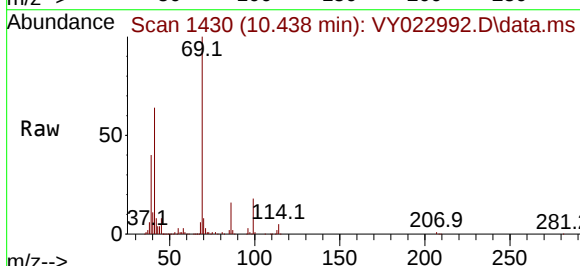
Tgt Ion: 69 Resp: 84006

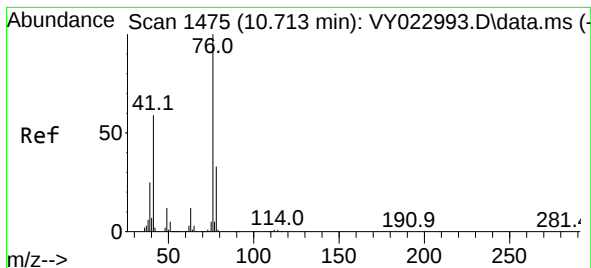
Ion Ratio Lower Upper

69 100

41 64.0 51.0 76.4

39 39.8 30.6 46.0

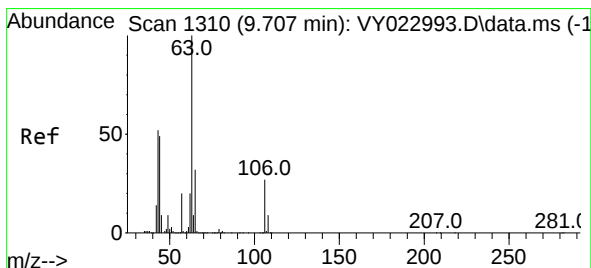
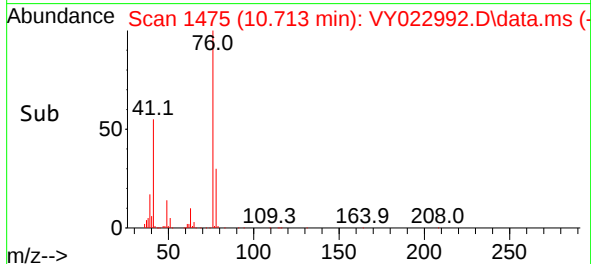
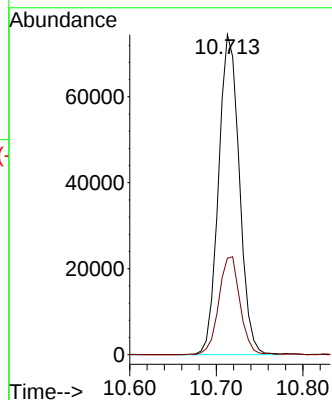
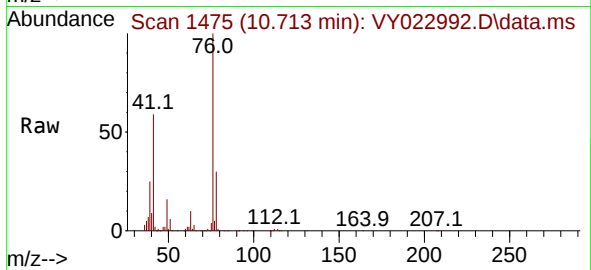




#57
1,3-Dichloropropane
Concen: 23.129 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

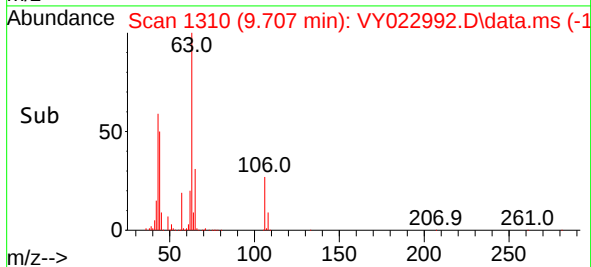
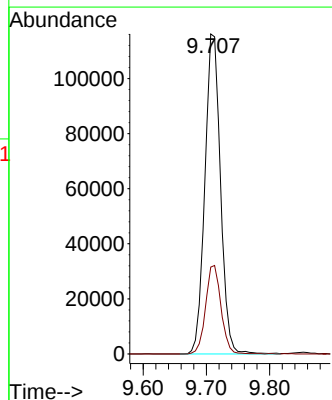
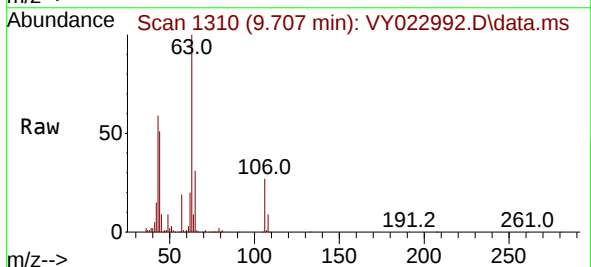
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

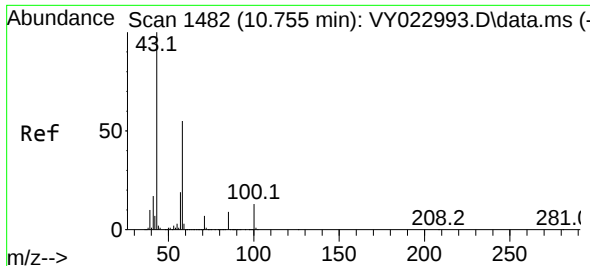
Tgt Ion: 76 Resp: 124222
Ion Ratio Lower Upper
76 100
78 31.4 26.6 39.8



#58
2-Chloroethyl Vinyl ether
Concen: 105.265 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 63 Resp: 199993
Ion Ratio Lower Upper
63 100
106 27.2 22.6 33.8

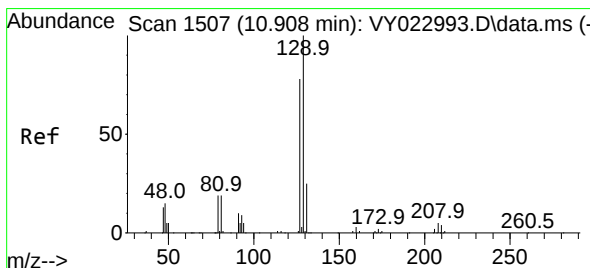
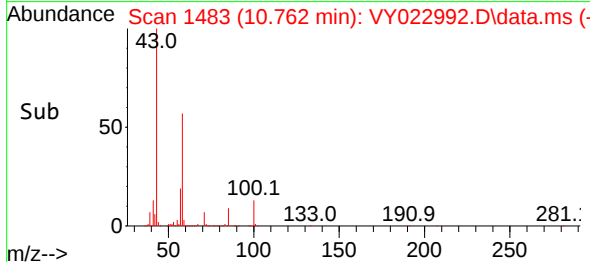
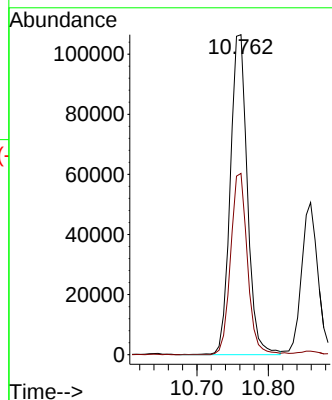
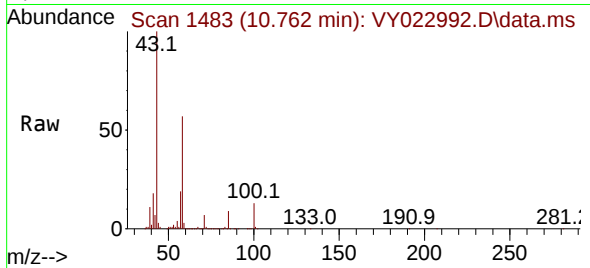




#59
2-Hexanone
Concen: 110.226 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

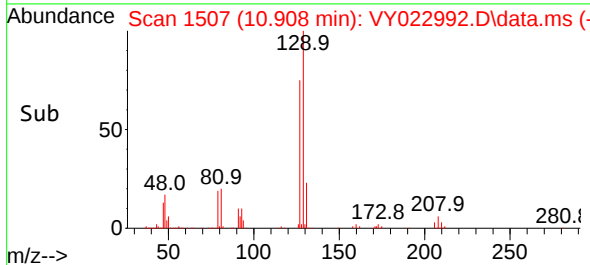
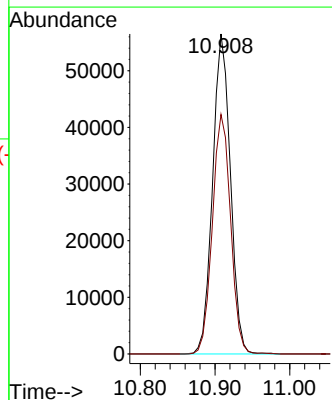
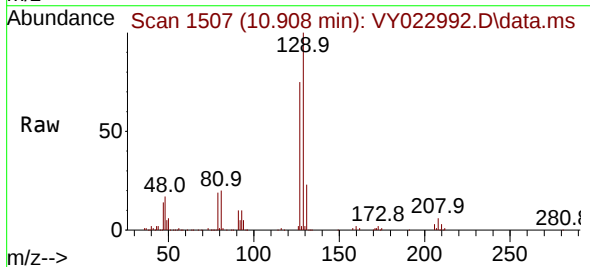
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

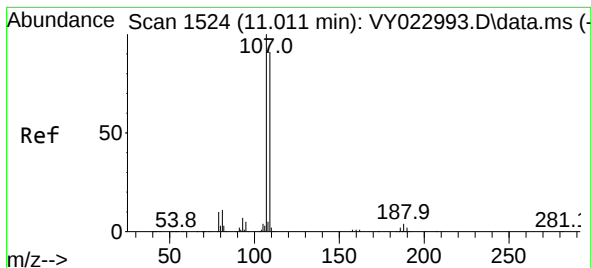
Tgt Ion: 43 Resp: 176582
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.3



#60
Dibromochloromethane
Concen: 22.990 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 129 Resp: 93599
Ion Ratio Lower Upper
129 100
127 76.7 38.7 116.1

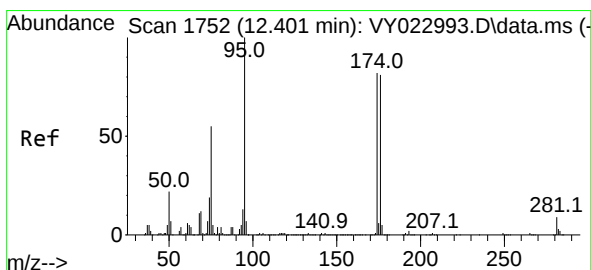
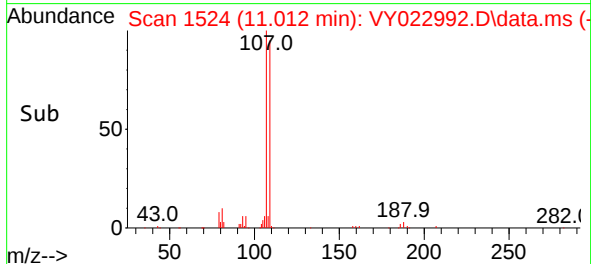
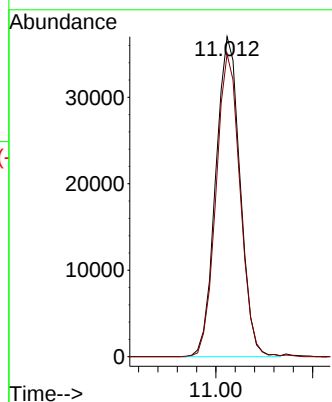
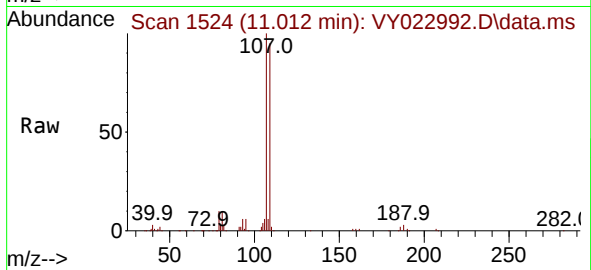




#61
1,2-Dibromoethane
Concen: 22.880 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

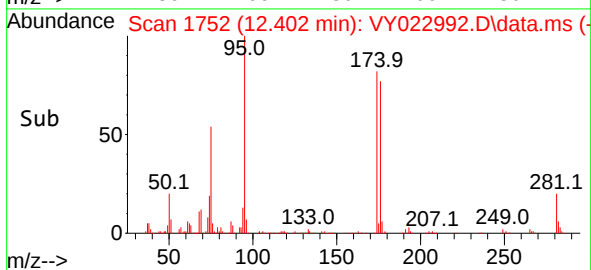
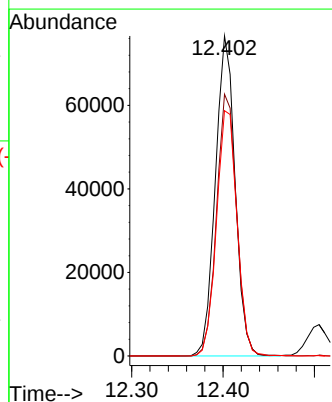
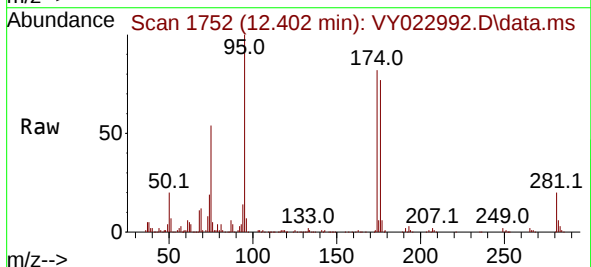
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

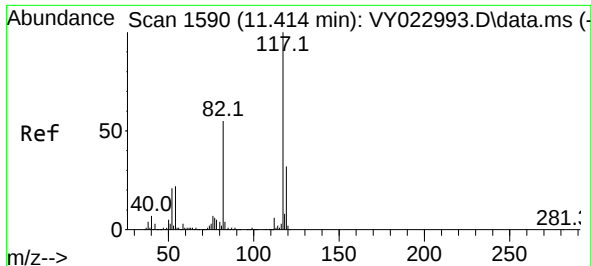
Tgt Ion:107 Resp: 64601
Ion Ratio Lower Upper
107 100
109 93.6 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 22.270 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 95 Resp: 114873
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 80.0 0.0 163.6

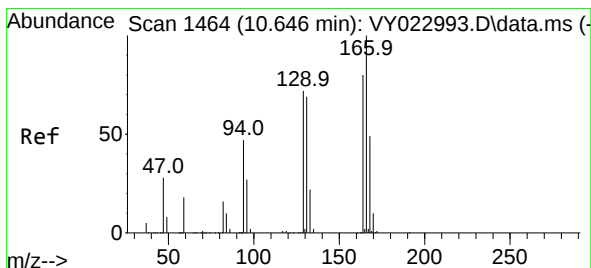
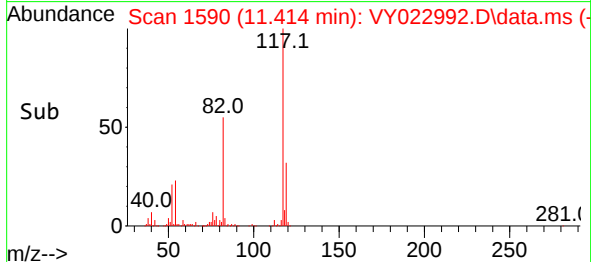
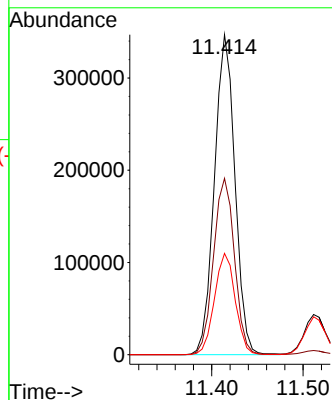
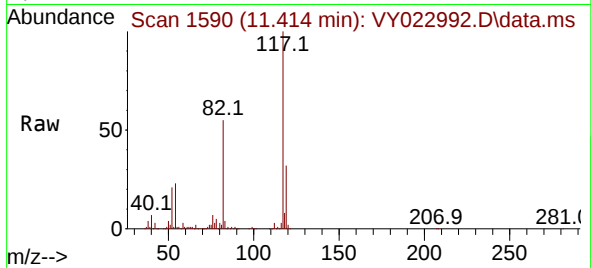




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

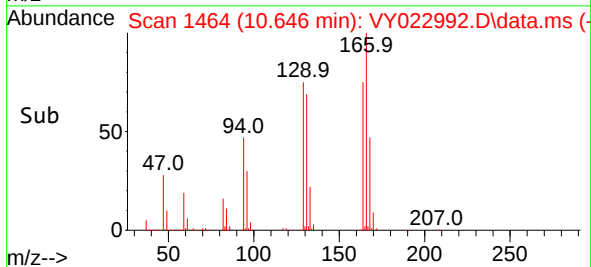
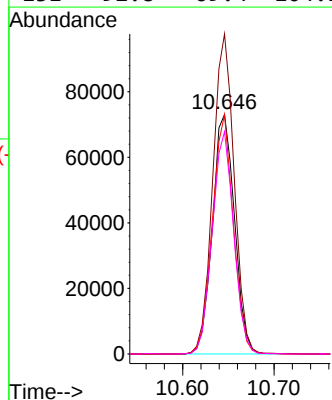
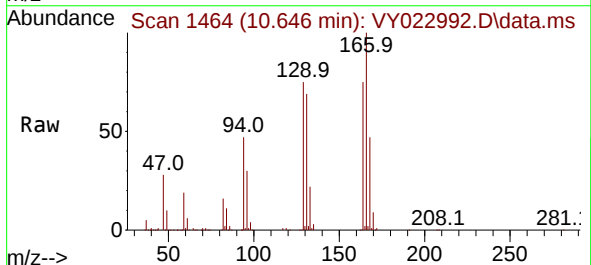
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

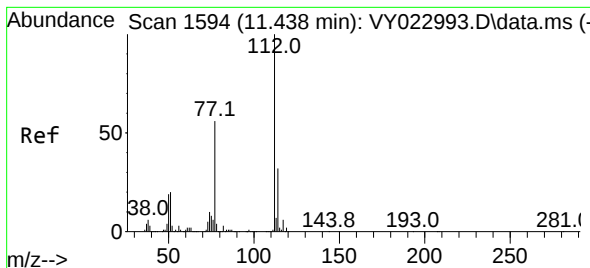
Tgt Ion:117 Resp: 541736
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 31.7 25.8 38.8



#64
Tetrachloroethene
Concen: 22.057 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion:164 Resp: 122138
Ion Ratio Lower Upper
164 100
166 133.6 100.2 150.2
129 99.9 71.7 107.5
131 92.8 69.4 104.2





#65

Chlorobenzene

Concen: 22.989 ug/l

RT: 11.438 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

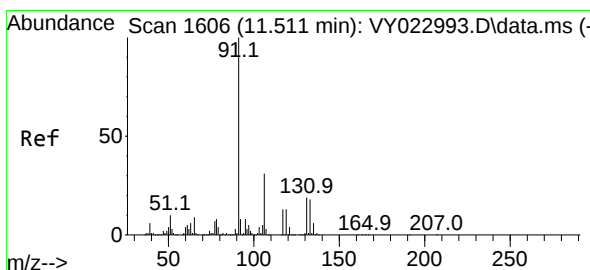
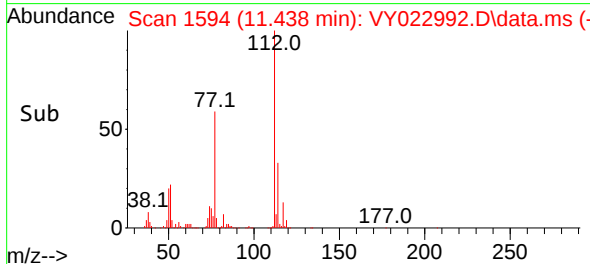
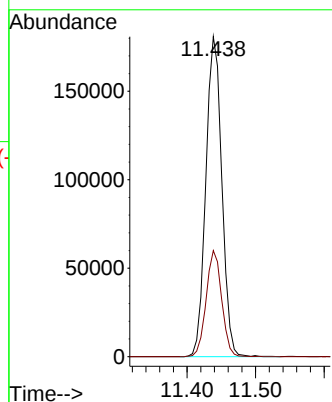
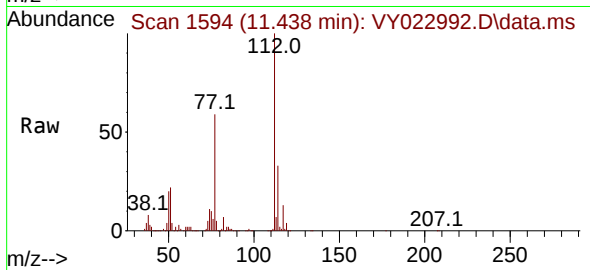
VSTDICC020

Tgt Ion:112 Resp: 293874

Ion Ratio Lower Upper

112 100

114 33.2 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 22.732 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

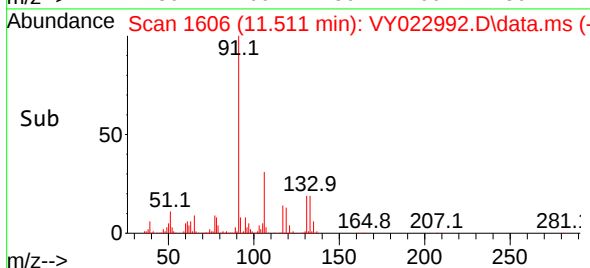
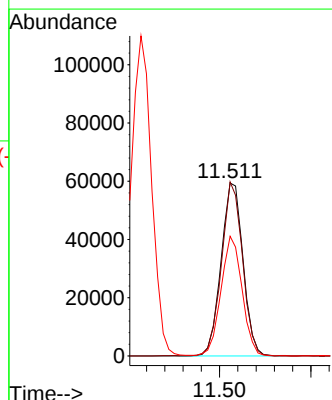
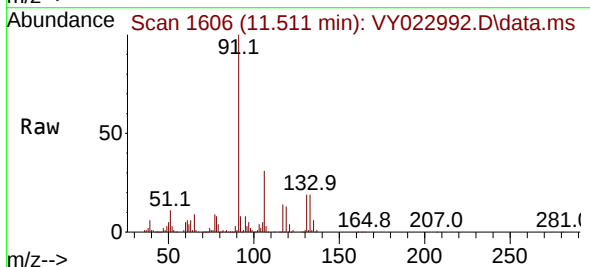
Tgt Ion:131 Resp: 99114

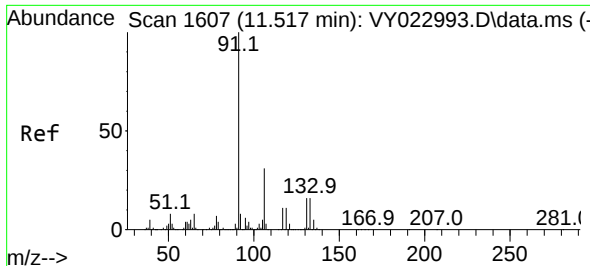
Ion Ratio Lower Upper

131 100

133 96.6 47.8 143.3

119 66.6 33.3 99.8





#67

Ethyl Benzene

Concen: 23.080 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

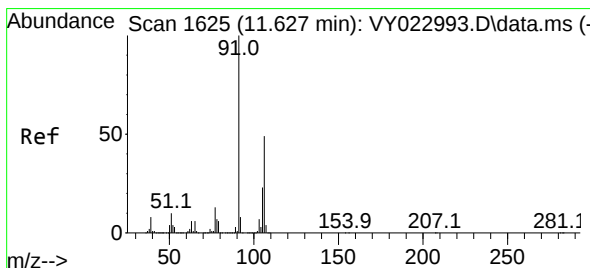
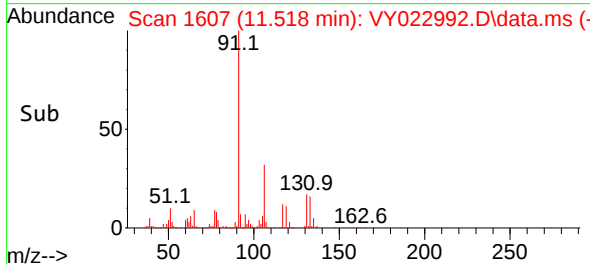
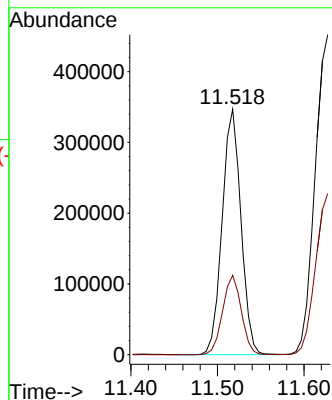
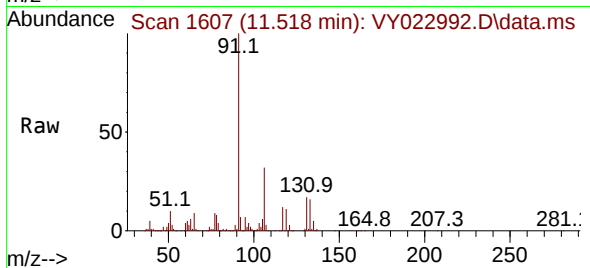
VSTDIC020

Tgt Ion: 91 Resp: 522955

Ion Ratio Lower Upper

91 100

106 32.4 24.6 37.0



#68

m/p-Xylenes

Concen: 46.261 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY022992.D

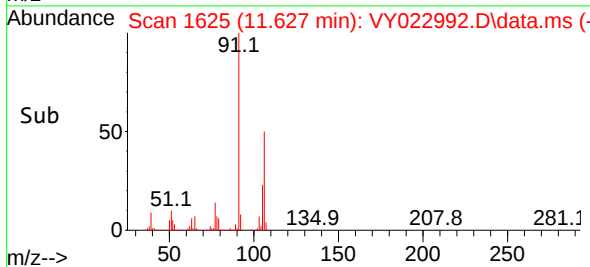
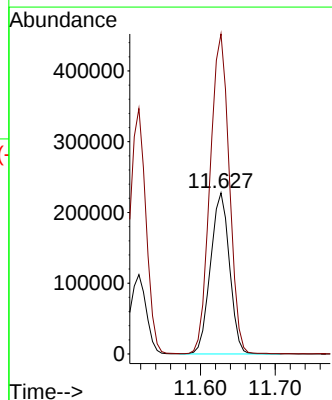
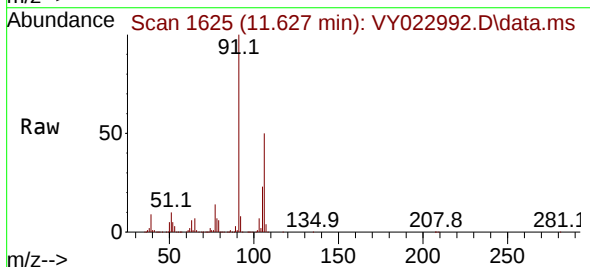
Acq: 18 Jul 2025 11:41

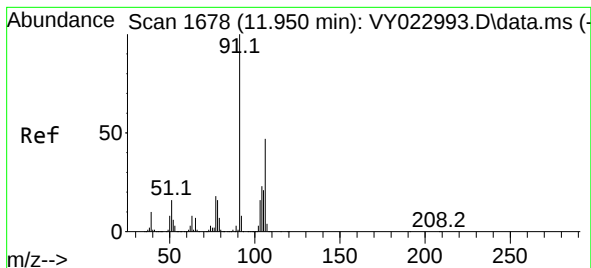
Tgt Ion:106 Resp: 402055

Ion Ratio Lower Upper

106 100

91 201.1 159.8 239.8





#69

o-Xylene

Concen: 23.067 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

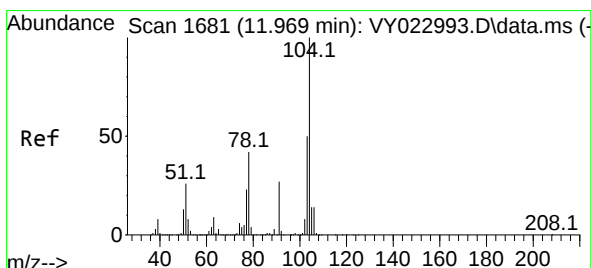
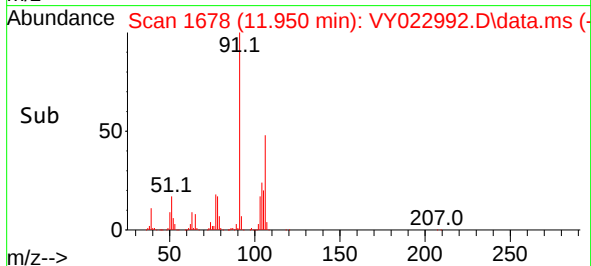
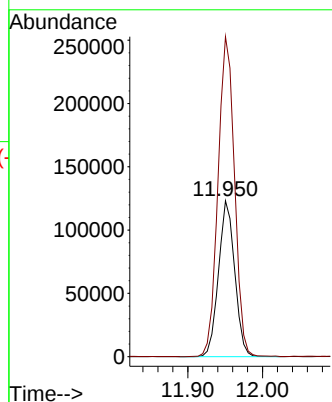
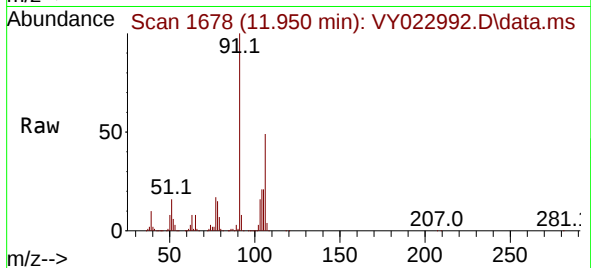
VSTDIC020

Tgt Ion:106 Resp: 186047

Ion Ratio Lower Upper

106 100

91 209.5 106.3 318.8



#70

Styrene

Concen: 22.952 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

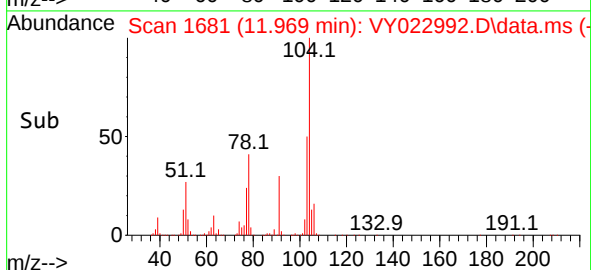
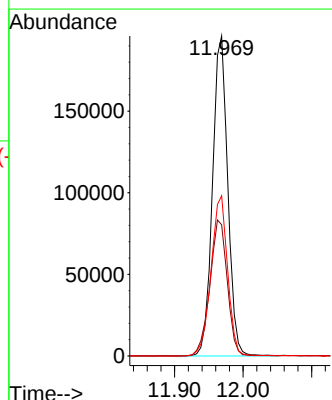
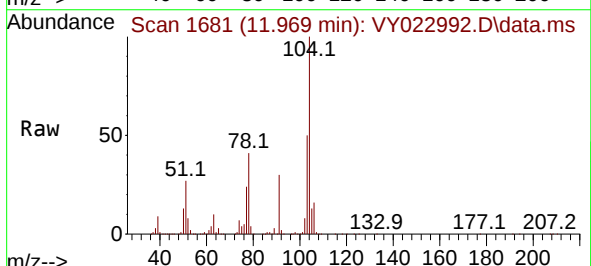
Tgt Ion:104 Resp: 303236

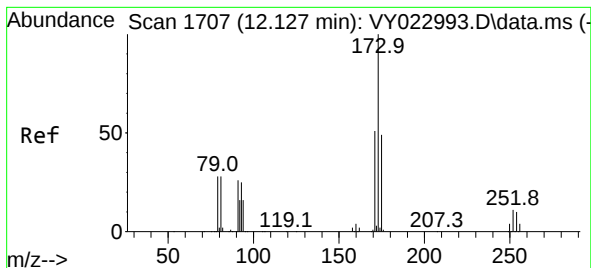
Ion Ratio Lower Upper

104 100

78 48.4 39.0 58.6

103 54.4 43.7 65.5





#71

Bromoform

Concen: 21.879 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

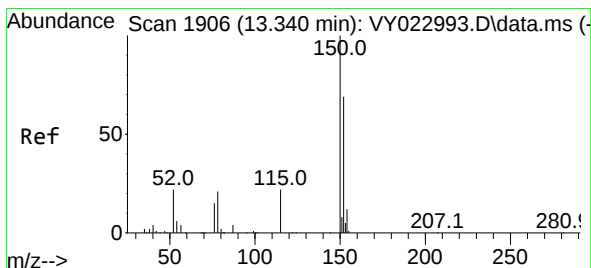
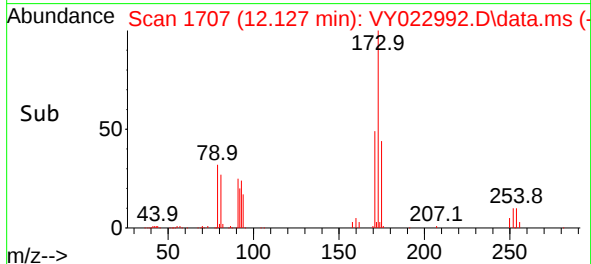
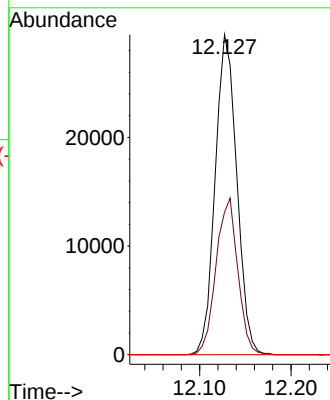
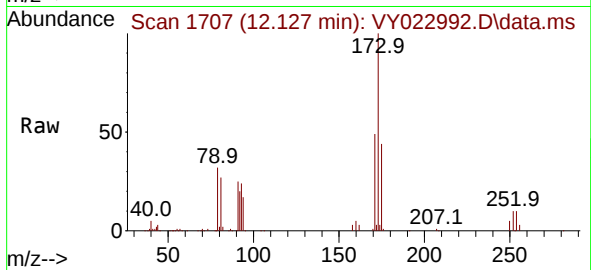
Tgt Ion:173 Resp: 48429

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

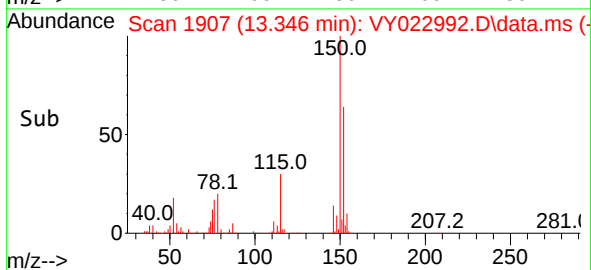
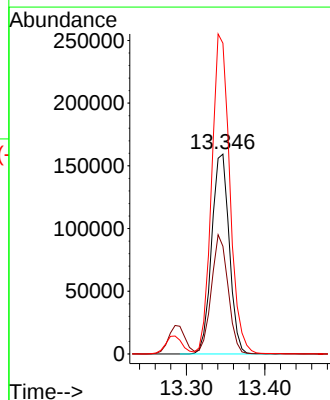
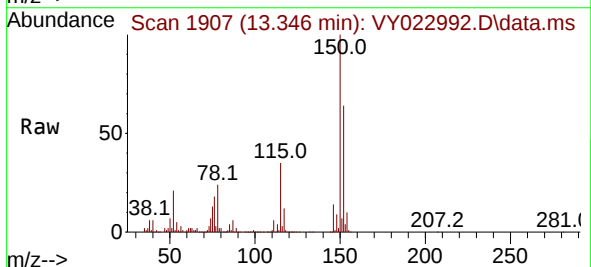
Tgt Ion:152 Resp: 248244

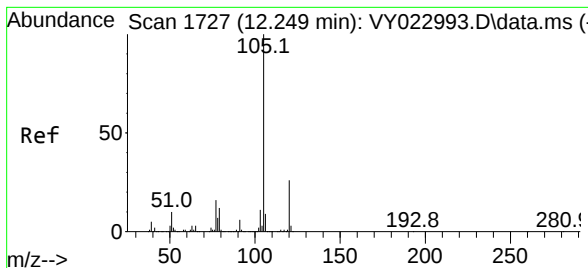
Ion Ratio Lower Upper

152 100

115 56.4 29.4 88.2

150 164.8 0.0 350.0





#73

Isopropylbenzene

Concen: 23.656 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

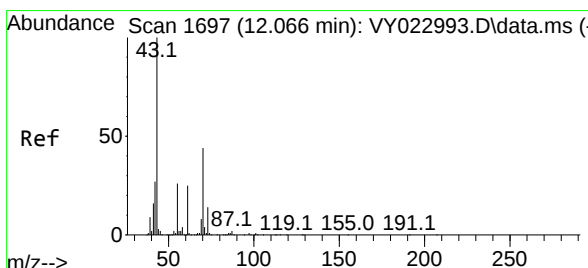
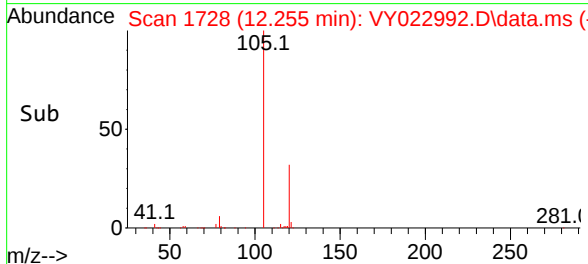
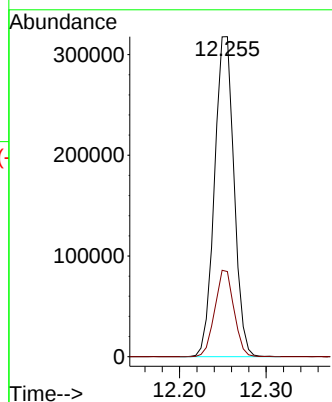
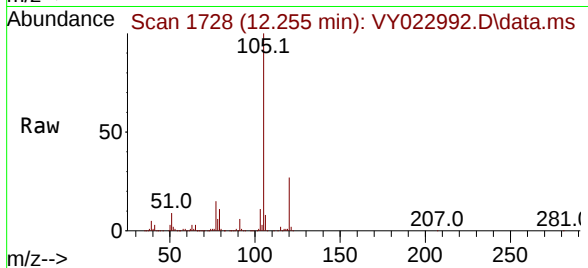
VSTDIC020

Tgt Ion:105 Resp: 497888

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



#74

N-ethyl acetate

Concen: 21.857 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Tgt Ion: 43 Resp: 86729

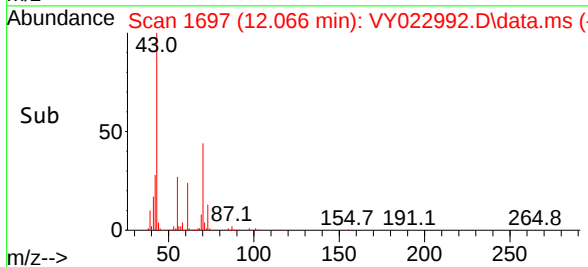
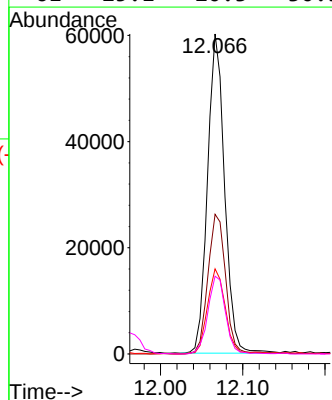
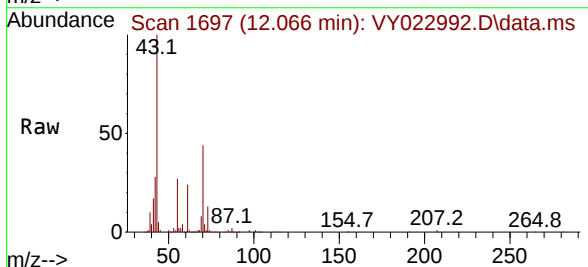
Ion Ratio Lower Upper

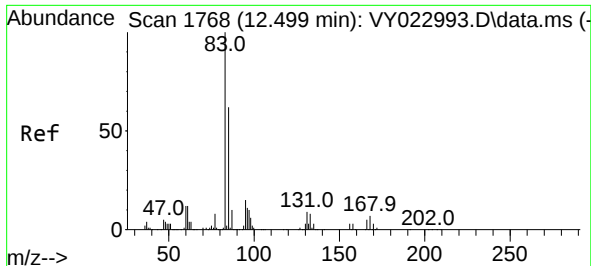
43 100

70 46.0 36.2 54.2

55 28.1 20.9 31.3

61 25.1 20.3 30.5

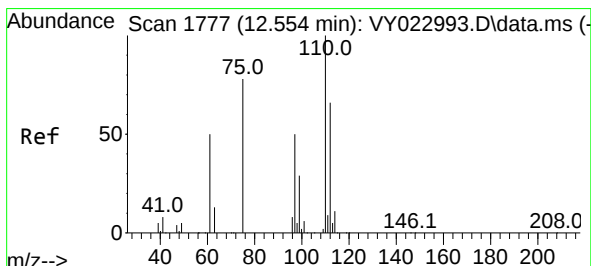
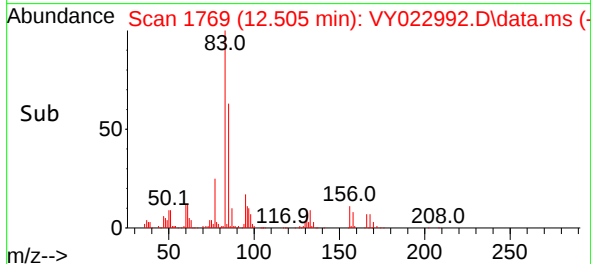
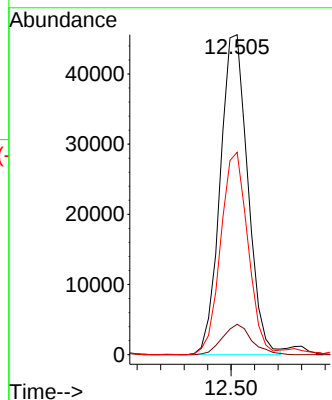
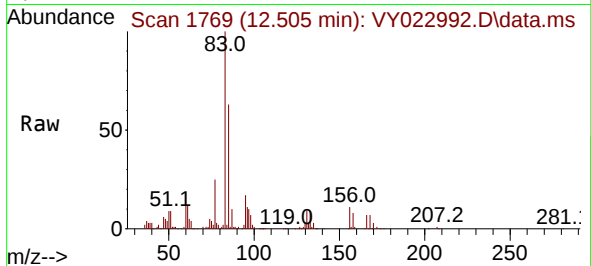




#75
1,1,2,2-Tetrachloroethane
Concen: 24.423 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

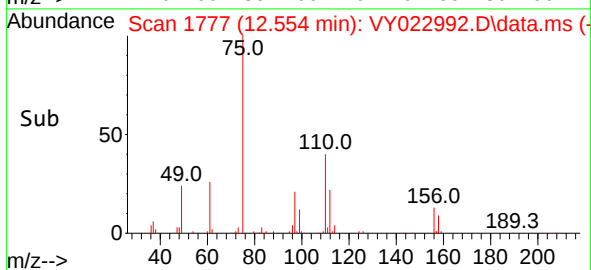
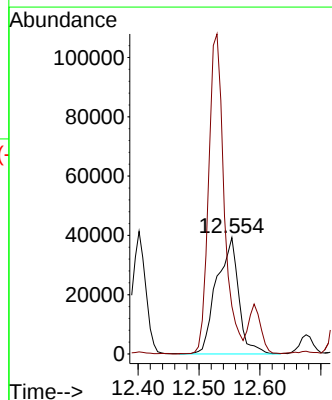
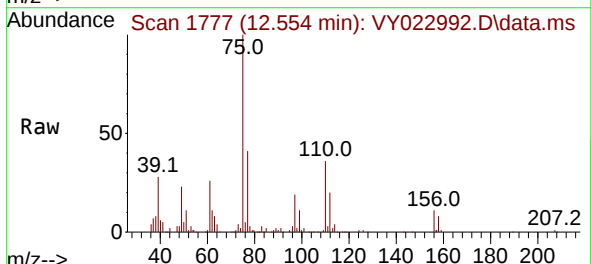
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

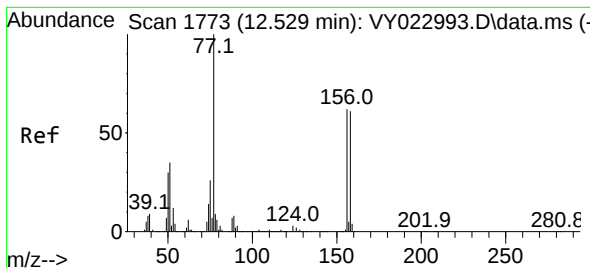
Tgt Ion: 83 Resp: 74385
Ion Ratio Lower Upper
83 100
131 10.0 5.1 15.4
85 62.7 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 31.675 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 75 Resp: 98962
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 23.124 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

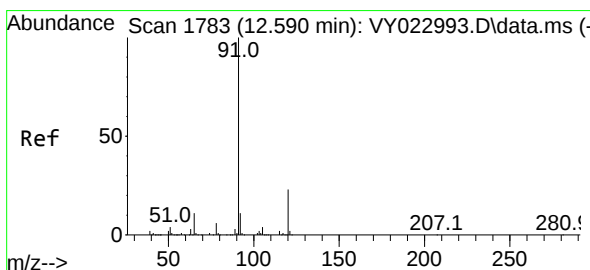
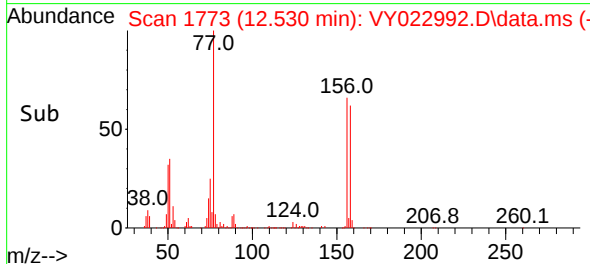
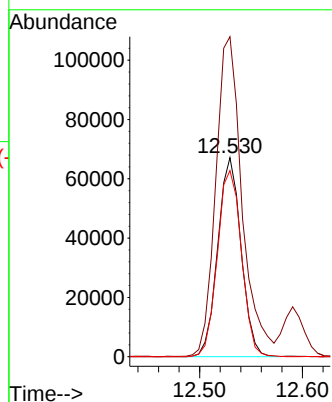
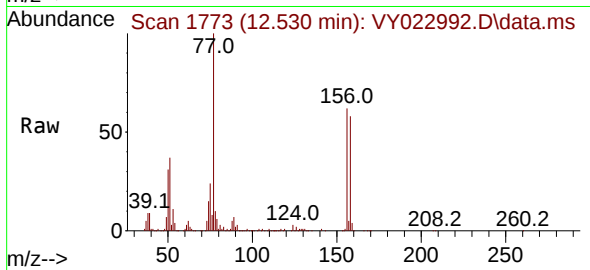
Tgt Ion:156 Resp: 105553

Ion Ratio Lower Upper

156 100

77 182.2 92.0 276.1

158 96.5 48.6 145.9



#78

n-propylbenzene

Concen: 23.816 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY022992.D

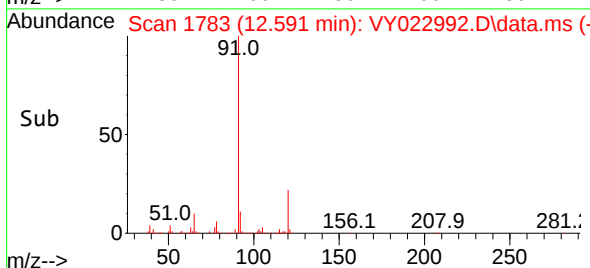
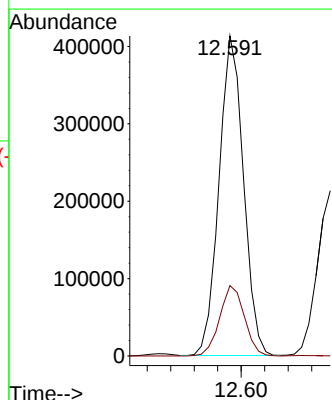
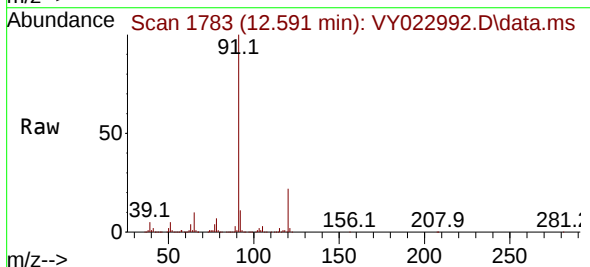
Acq: 18 Jul 2025 11:41

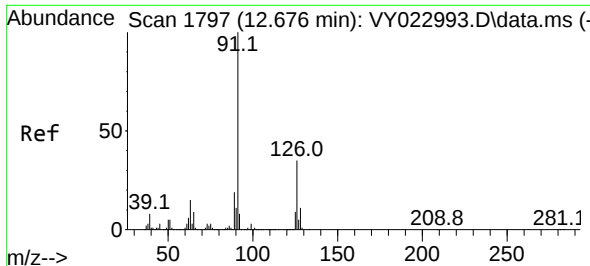
Tgt Ion: 91 Resp: 596905

Ion Ratio Lower Upper

91 100

120 22.2 11.3 33.8

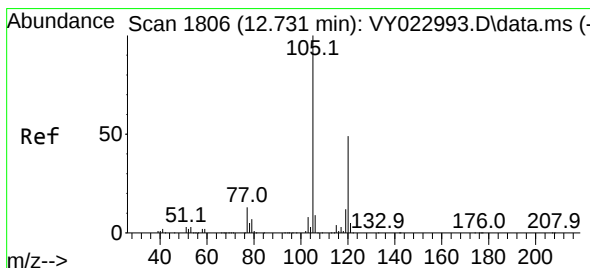
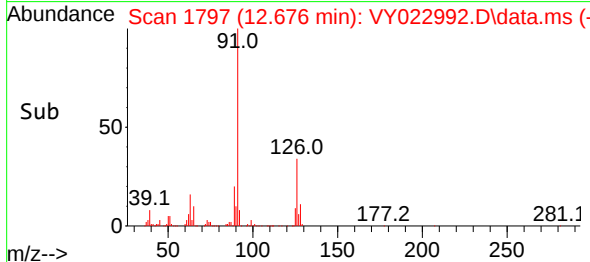
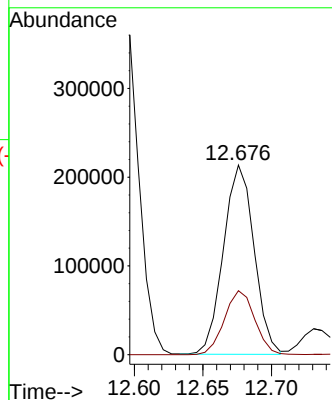
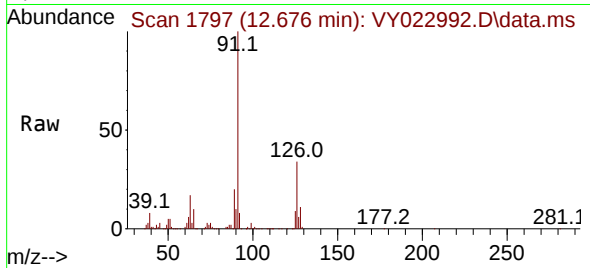




#79
2-Chlorotoluene
Concen: 23.524 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

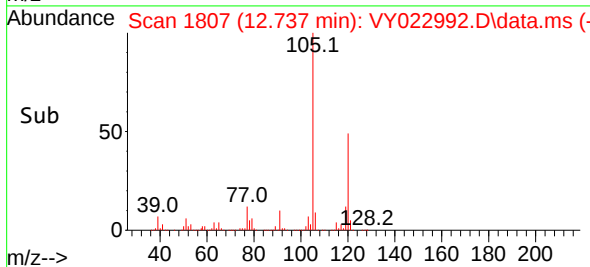
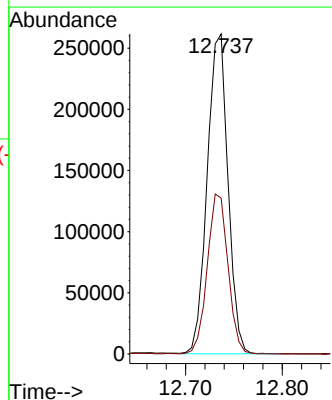
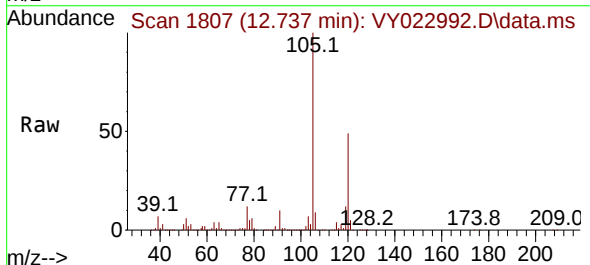
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

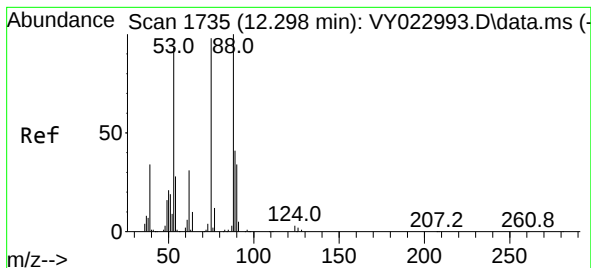
Tgt Ion: 91 Resp: 331602
Ion Ratio Lower Upper
91 100
126 33.5 17.0 50.9



#80
1,3,5-Trimethylbenzene
Concen: 23.473 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 105 Resp: 389641
Ion Ratio Lower Upper
105 100
120 49.8 24.6 73.8

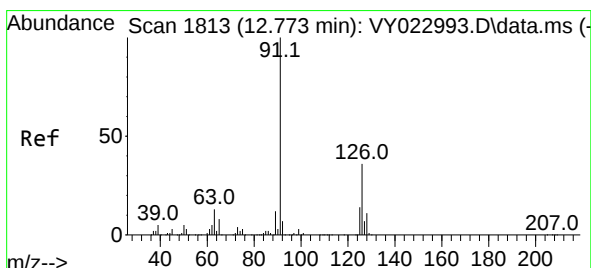
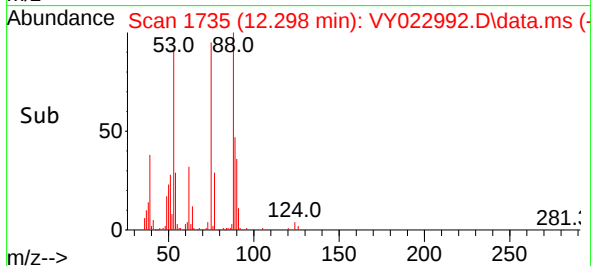
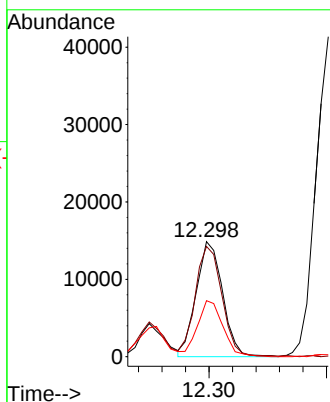
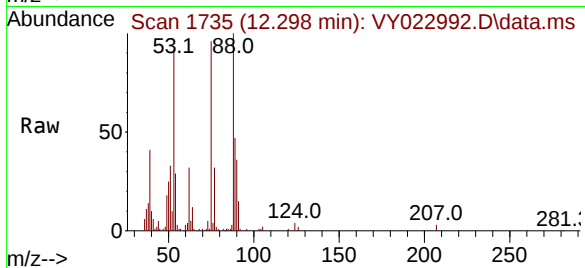




#81
trans-1,4-Dichloro-2-butene
Concen: 22.390 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

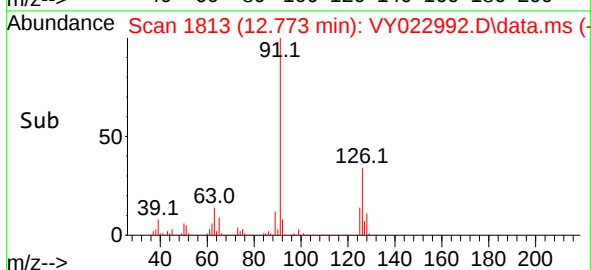
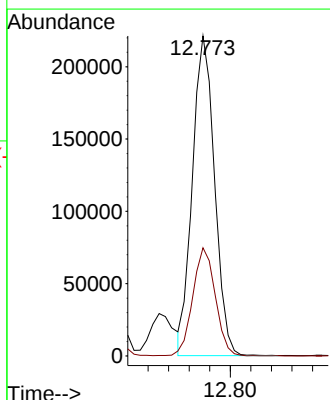
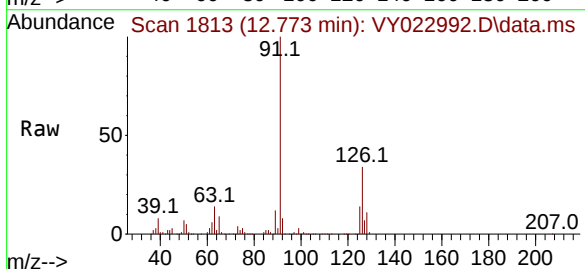
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

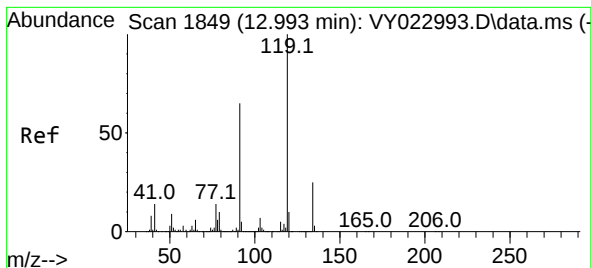
Tgt Ion: 75 Resp: 23253
Ion Ratio Lower Upper
75 100
53 97.5 76.1 114.1
89 47.4 36.1 54.1



#82
4-Chlorotoluene
Concen: 23.268 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion: 91 Resp: 330802
Ion Ratio Lower Upper
91 100
126 34.7 17.2 51.5

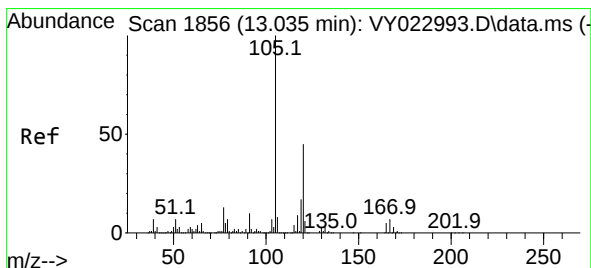
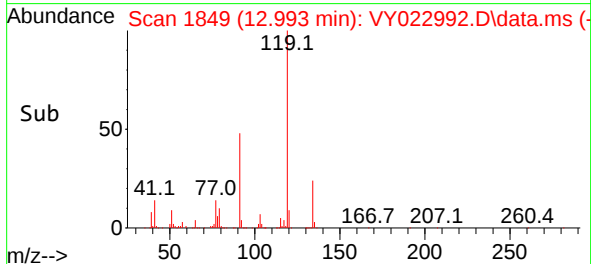
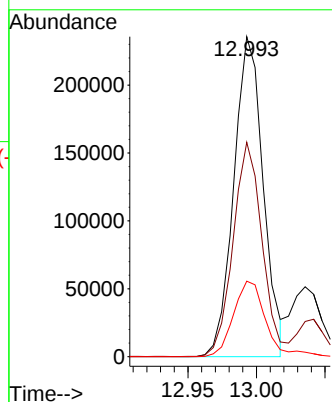
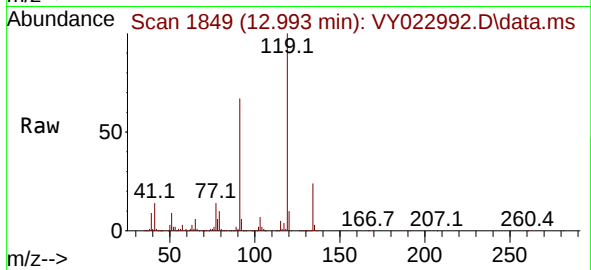




#83
tert-Butylbenzene
Concen: 23.490 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

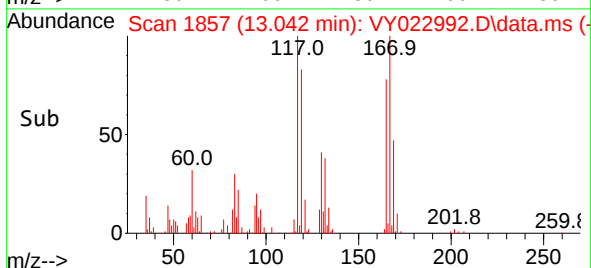
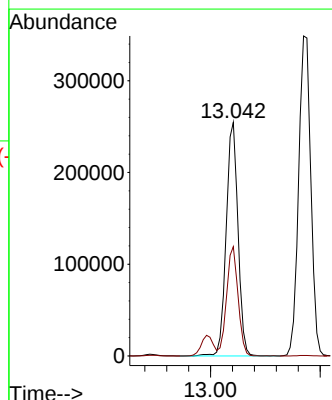
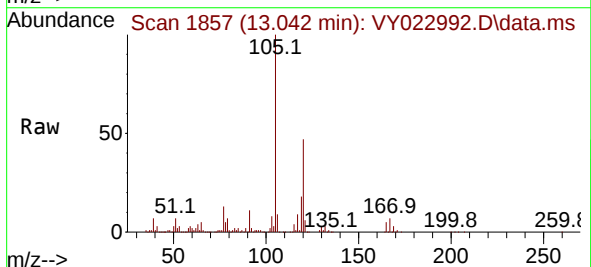
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

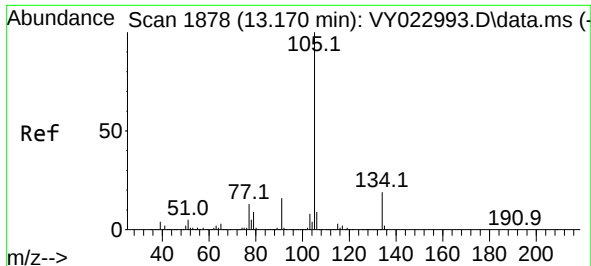
Tgt Ion:119 Resp: 352211
Ion Ratio Lower Upper
119 100
91 66.4 32.0 96.2
134 26.0 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 23.411 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion:105 Resp: 382534
Ion Ratio Lower Upper
105 100
120 45.5 22.9 68.8

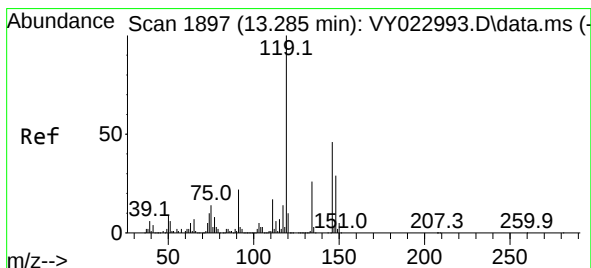
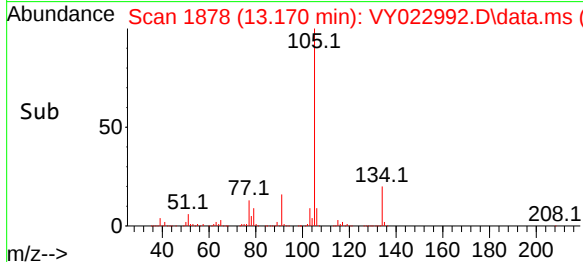
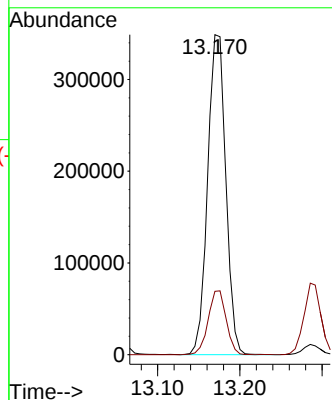
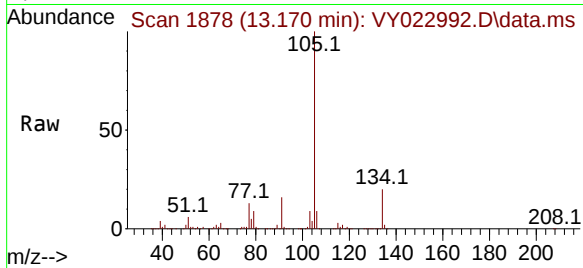




#85
 sec-Butylbenzene
 Concen: 23.809 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY022992.D
 Acq: 18 Jul 2025 11:41

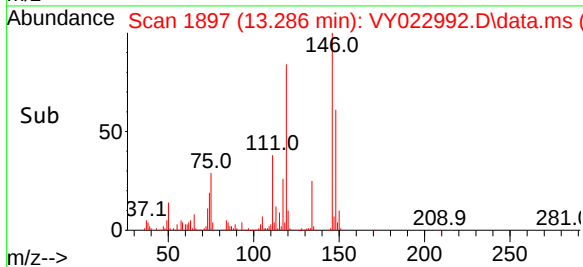
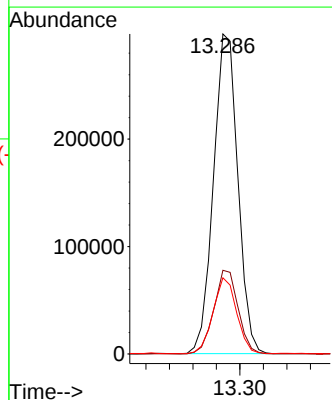
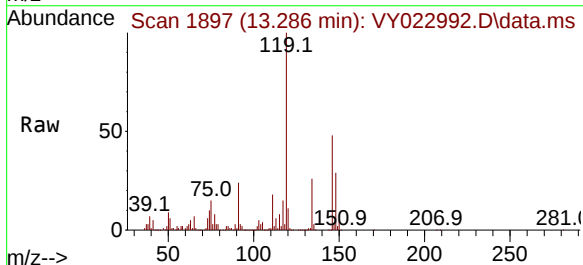
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

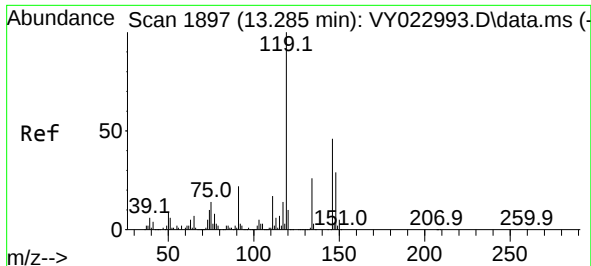
Tgt Ion:105 Resp: 534996
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 23.494 ug/l
 RT: 13.286 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VY022992.D
 Acq: 18 Jul 2025 11:41

Tgt Ion:119 Resp: 428741
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 22.9 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 22.867 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

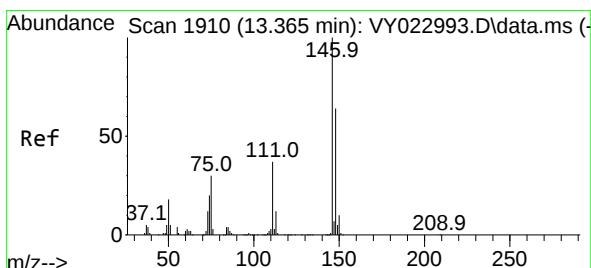
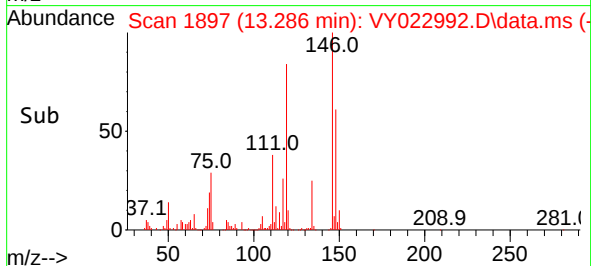
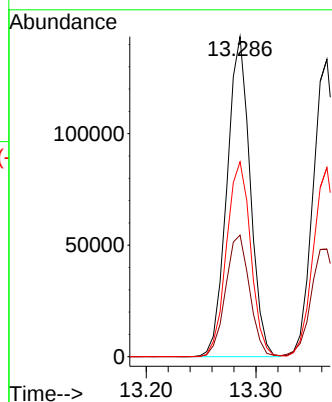
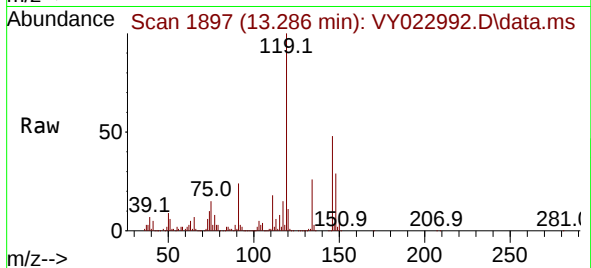
Tgt Ion:146 Resp: 210649

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.3

148 63.7 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 22.973 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

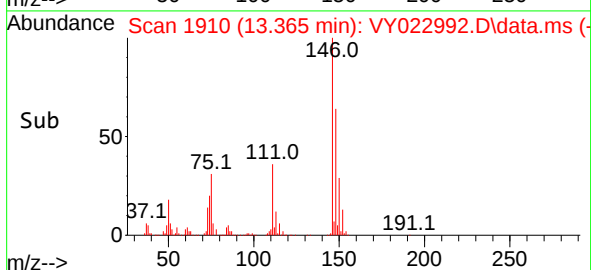
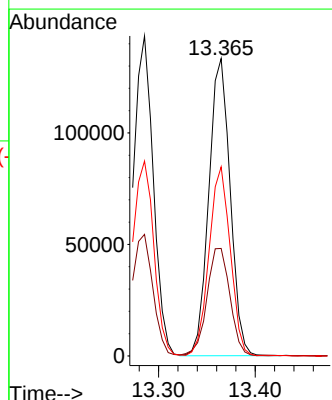
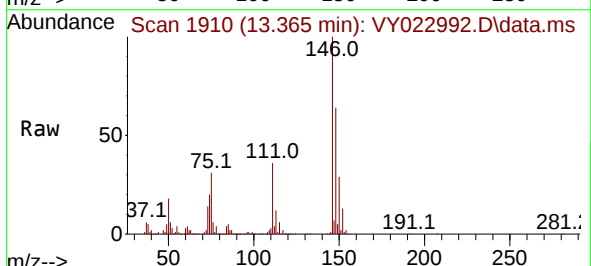
Tgt Ion:146 Resp: 204733

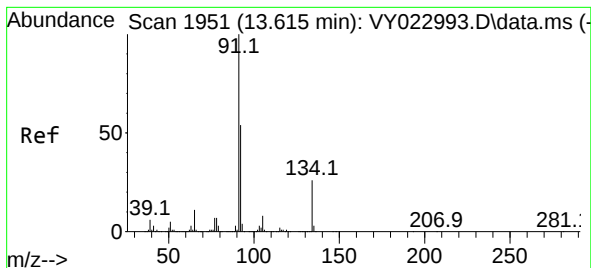
Ion Ratio Lower Upper

146 100

111 38.9 19.2 57.6

148 63.5 31.9 95.5





#89

n-Butylbenzene

Concen: 23.531 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

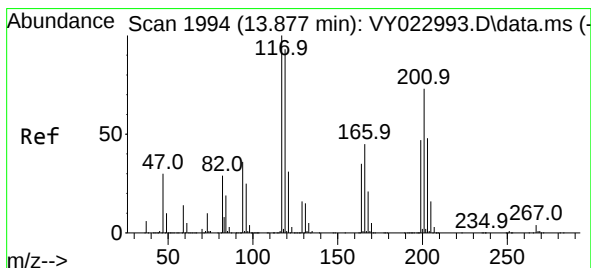
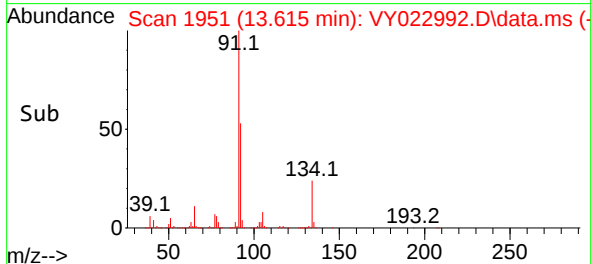
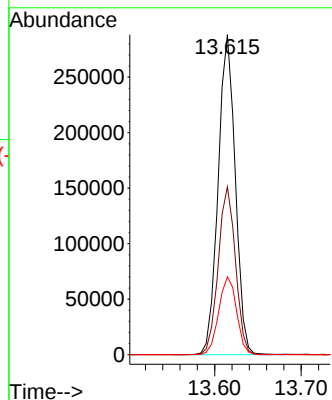
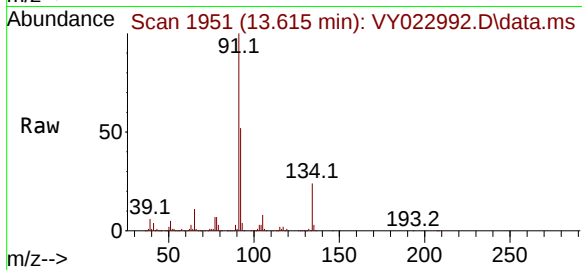
Tgt Ion: 91 Resp: 396249

Ion Ratio Lower Upper

91 100

92 52.8 26.6 79.7

134 25.3 12.6 37.6



#90

Hexachloroethane

Concen: 23.502 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY022992.D

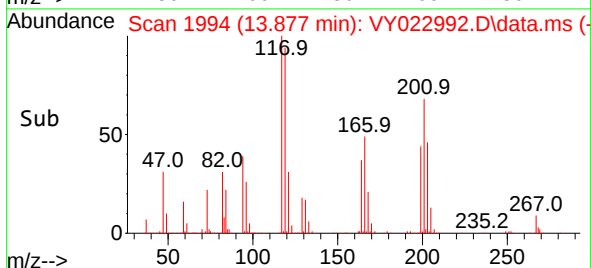
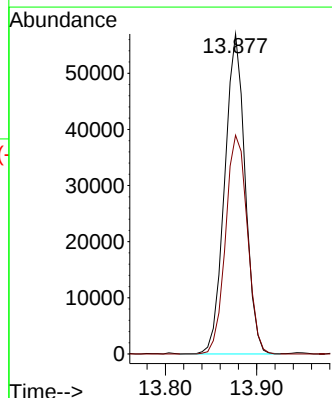
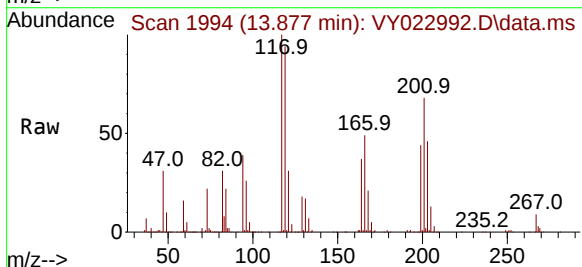
Acq: 18 Jul 2025 11:41

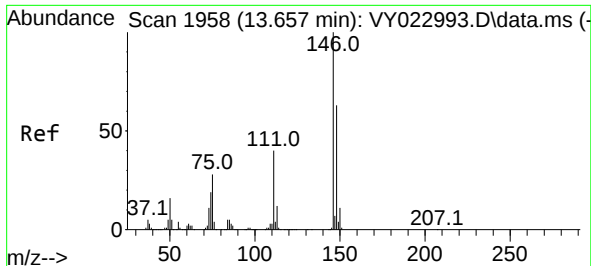
Tgt Ion: 117 Resp: 88795

Ion Ratio Lower Upper

117 100

201 72.6 36.1 108.5





#91

1,2-Dichlorobenzene

Concen: 22.880 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

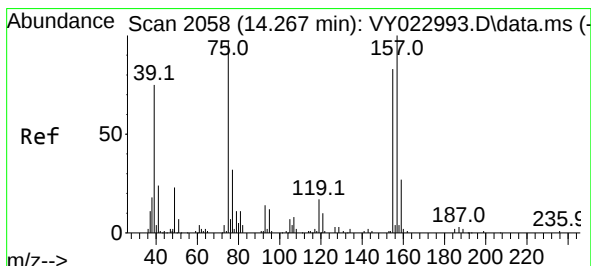
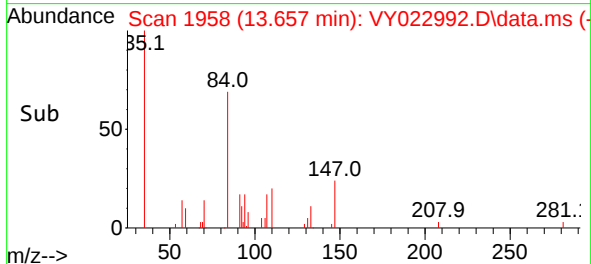
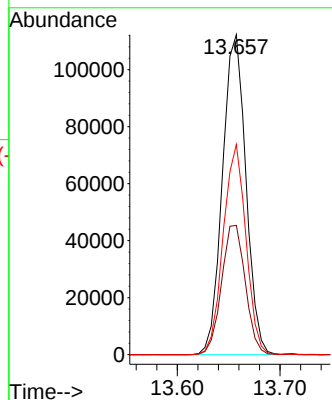
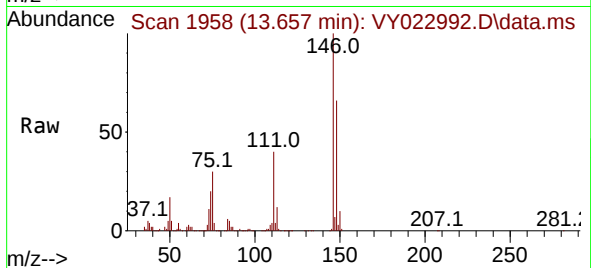
Tgt Ion:146 Resp: 177792

Ion Ratio Lower Upper

146 100

111 41.1 20.3 61.0

148 63.8 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.174 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

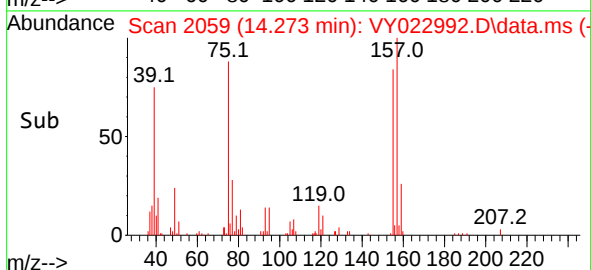
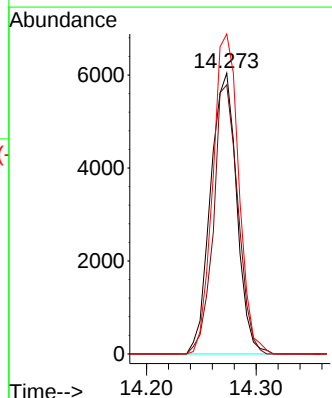
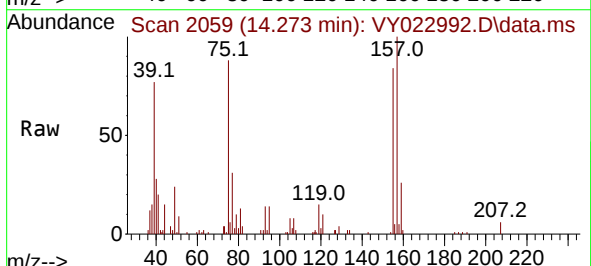
Tgt Ion: 75 Resp: 10028

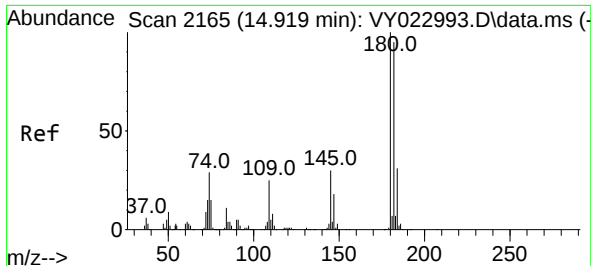
Ion Ratio Lower Upper

75 100

155 89.3 42.8 128.3

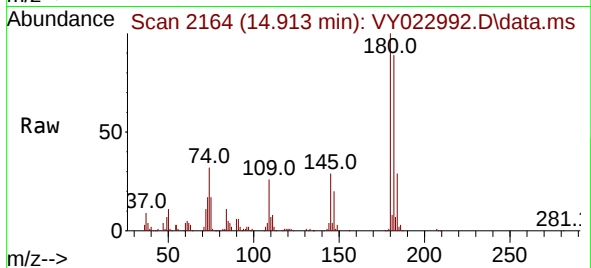
157 112.7 54.3 162.9



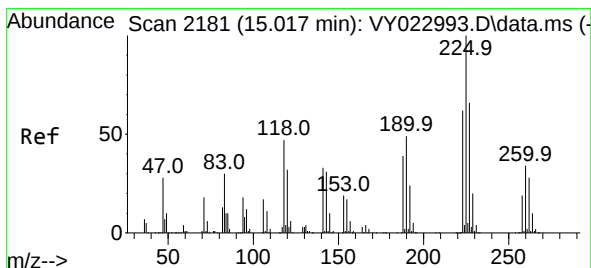
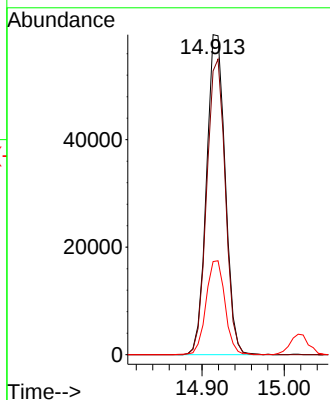
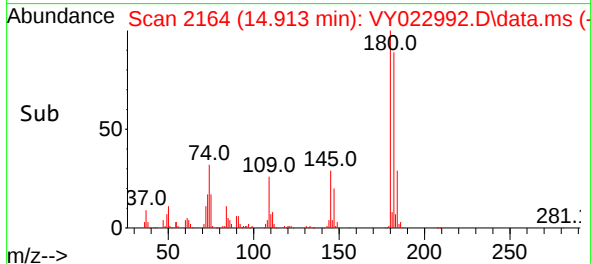


#93
1,2,4-Trichlorobenzene
Concen: 22.942 ug/l
RT: 14.913 min Scan# 2164
Delta R.T. -0.006 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

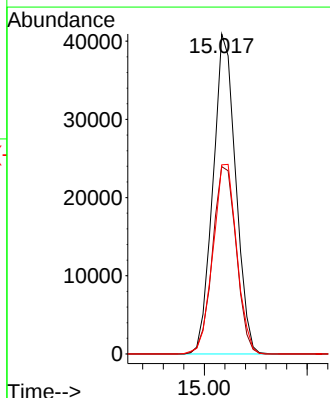
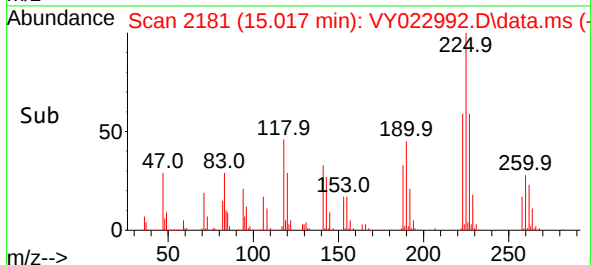
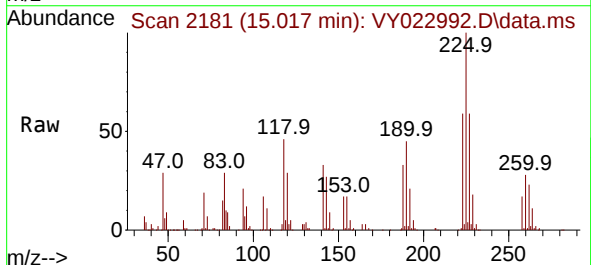


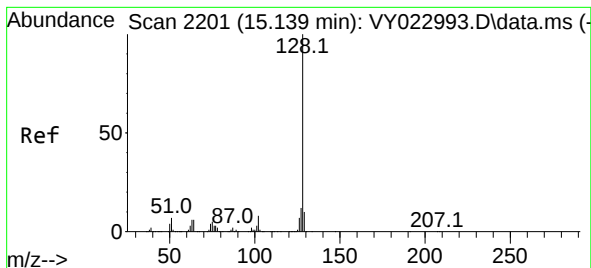
Tgt Ion:180 Resp: 93971
Ion Ratio Lower Upper
180 100
182 91.9 47.5 142.5
145 29.8 14.9 44.9



#94
Hexachlorobutadiene
Concen: 24.242 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY022992.D
Acq: 18 Jul 2025 11:41

Tgt Ion:225 Resp: 62599
Ion Ratio Lower Upper
225 100
223 61.2 31.4 94.0
227 62.2 32.1 96.5





#95

Naphthalene

Concen: 21.209 ug/l

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

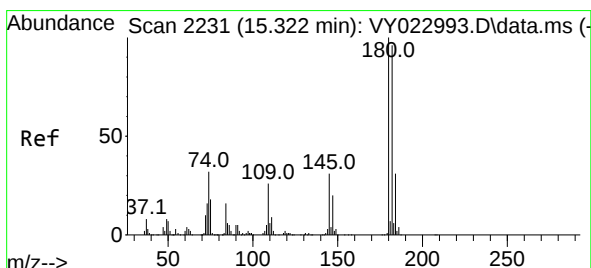
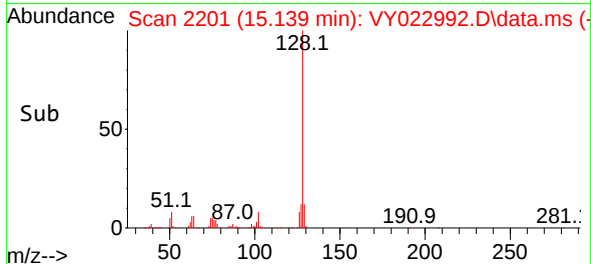
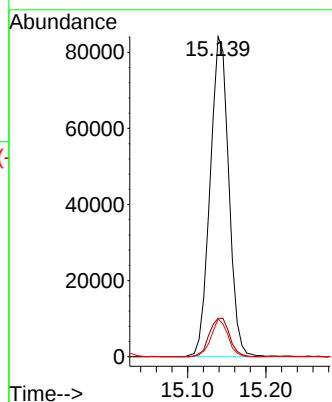
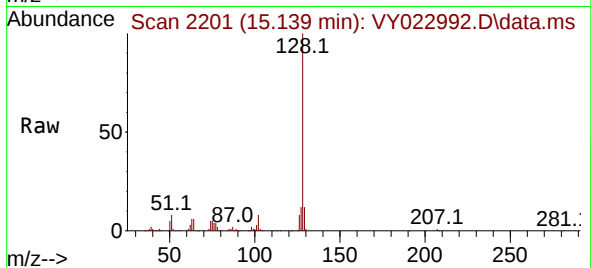
Tgt Ion:128 Resp: 139330

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 10.6 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 22.219 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY022992.D

Acq: 18 Jul 2025 11:41

Tgt Ion:180 Resp: 75143

Ion Ratio Lower Upper

180 100

182 94.6 47.3 142.0

145 32.0 15.8 47.4

