

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023051.D
 Acq On : 12 Aug 2025 15:17
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 13 01:51:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 01:46:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	551522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	883548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	761327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	365647	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54002	10.274	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.540%#
35) Dibromofluoromethane	7.628	113	52916	10.009	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.020%#
50) Toluene-d8	10.103	98	204532	9.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	19.800%#
62) 4-Bromofluorobenzene	12.401	95	64927	9.775	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	19.540%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	51022	11.334	ug/l	95
3) Chloromethane	2.068	50	77982	10.695	ug/l	97
4) Vinyl Chloride	2.202	62	95983	10.649	ug/l	99
5) Bromomethane	2.592	94	70415	10.461	ug/l	99
6) Chloroethane	2.732	64	62514	10.432	ug/l	97
7) Trichlorofluoromethane	3.049	101	115150	10.507	ug/l	94
8) Diethyl Ether	3.452	74	30390	10.481	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	57210	10.581	ug/l	100
10) Methyl Iodide	4.001	142	54184	9.287	ug/l	99
11) Tert butyl alcohol	4.866	59	20212	56.119	ug/l	99
12) 1,1-Dichloroethene	3.781	96	55669	10.475	ug/l	92
13) Acrolein	3.647	56	30081	57.030	ug/l	97
14) Allyl chloride	4.372	41	79145	10.121	ug/l	98
15) Acrylonitrile	5.049	53	62889	53.349	ug/l	99
16) Acetone	3.873	43	61290	53.821	ug/l	94
17) Carbon Disulfide	4.098	76	183399	10.583	ug/l	98
18) Methyl Acetate	4.385	43	33996	10.032	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	139820	10.153	ug/l	95
20) Methylene Chloride	4.604	84	77920	11.095	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	61826	10.352	ug/l	100
22) Diisopropyl ether	6.012	45	172602	10.157	ug/l	93
23) Vinyl Acetate	5.957	43	482714	51.372	ug/l	98
24) 1,1-Dichloroethane	5.903	63	106831	10.282	ug/l	99
25) 2-Butanone	6.896	43	83923	54.187	ug/l	96
26) 2,2-Dichloropropane	6.878	77	91579	10.215	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	68839	9.970	ug/l	99
28) Bromochloromethane	7.238	49	41820	10.146	ug/l	100
29) Tetrahydrofuran	7.262	42	49926	52.005	ug/l	99
30) Chloroform	7.415	83	109942	10.260	ug/l	93
31) Cyclohexane	7.701	56	103068	10.527	ug/l #	89
32) 1,1,1-Trichloroethane	7.616	97	96693	10.170	ug/l	98
36) 1,1-Dichloropropene	7.829	75	80479	10.243	ug/l	99
37) Ethyl Acetate	6.982	43	34854	10.560	ug/l	97
38) Carbon Tetrachloride	7.811	117	85932	10.070	ug/l	97
39) Methylcyclohexane	9.103	83	102275	9.885	ug/l	99
40) Benzene	8.073	78	243060	10.037	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	18825	9.872	ug/l #	89
42) 1,2-Dichloroethane	8.152	62	65350	10.376	ug/l	99
43) Isopropyl Acetate	8.195	43	67669	10.144	ug/l	99
44) Trichloroethene	8.859	130	62689	10.017	ug/l	98
45) 1,2-Dichloropropane	9.134	63	56720	10.179	ug/l	97
46) Dibromomethane	9.225	93	33460	10.462	ug/l	98
47) Bromodichloromethane	9.420	83	81951	9.959	ug/l	97
48) Methyl methacrylate	9.213	41	31851	9.978	ug/l	96
49) 1,4-Dioxane	9.231	88	7705	205.471	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	177157	51.484	ug/l	98
52) Toluene	10.164	92	150422	9.780	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	72507	9.730	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	85945	9.753	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	42712	9.981	ug/l	97
56) Ethyl methacrylate	10.432	69	52746	9.632	ug/l	98
57) 1,3-Dichloropropane	10.713	76	74433	10.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	119417	46.232	ug/l	98
59) 2-Hexanone	10.755	43	118452	50.553	ug/l	99
60) Dibromochloromethane	10.902	129	56045	9.925	ug/l	99
61) 1,2-Dibromoethane	11.011	107	41009	10.196	ug/l	99
64) Tetrachloroethene	10.640	164	70502	10.371	ug/l	98
65) Chlorobenzene	11.438	112	162985	9.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	54856	9.842	ug/l	97
67) Ethyl Benzene	11.511	91	273281	9.670	ug/l	99
68) m/p-Xylenes	11.621	106	212766	19.277	ug/l	99
69) o-Xylene	11.950	106	97841	9.465	ug/l	98
70) Styrene	11.963	104	155809	9.216	ug/l	99
71) Bromoform	12.127	173	32470	9.968	ug/l #	97
73) Isopropylbenzene	12.249	105	254745	9.871	ug/l	99
74) N-amyl acetate	12.066	43	53943	9.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	47304	10.735	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	61290	17.357	ug/l #	100
77) Bromobenzene	12.523	156	60728	9.864	ug/l	96
78) n-propylbenzene	12.590	91	303440	9.876	ug/l	100
79) 2-Chlorotoluene	12.676	91	175364	9.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	205544	9.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	15715	10.780	ug/l	96
82) 4-Chlorotoluene	12.767	91	181812	9.956	ug/l	99
83) tert-Butylbenzene	12.993	119	181408	9.630	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	201812	9.720	ug/l	100
85) sec-Butylbenzene	13.170	105	274178	9.908	ug/l	99
86) p-Isopropyltoluene	13.285	119	217799	9.482	ug/l	98
87) 1,3-Dichlorobenzene	13.279	146	120109	9.893	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	121160	10.060	ug/l	97
89) n-Butylbenzene	13.609	91	205420	9.737	ug/l	98
90) Hexachloroethane	13.871	117	47353	10.071	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	107656	10.110	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7032	10.250	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	61323	9.739	ug/l	99
94) Hexachlorobutadiene	15.017	225	37011	10.003	ug/l	99
95) Naphthalene	15.139	128	99780	9.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	53626	9.883	ug/l	96

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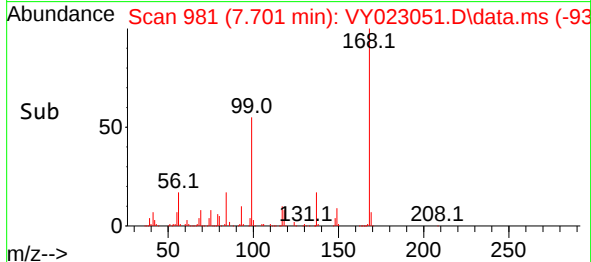
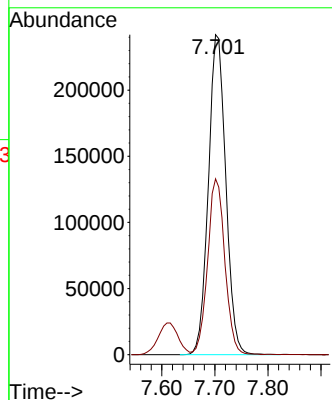
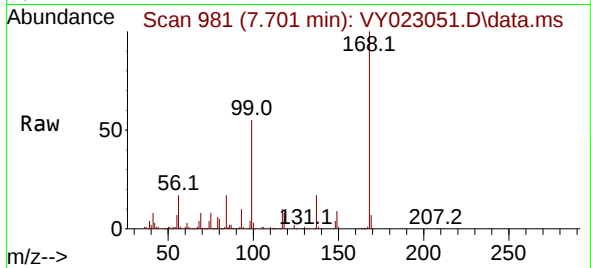
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023051.D
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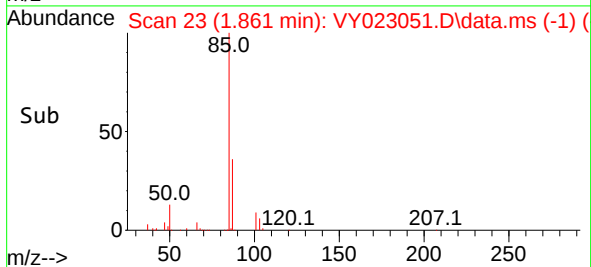
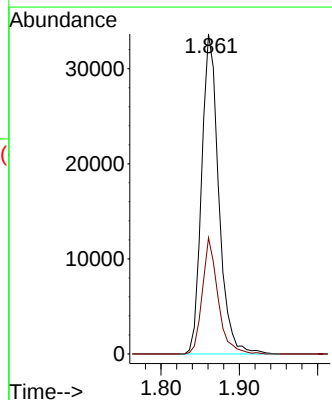
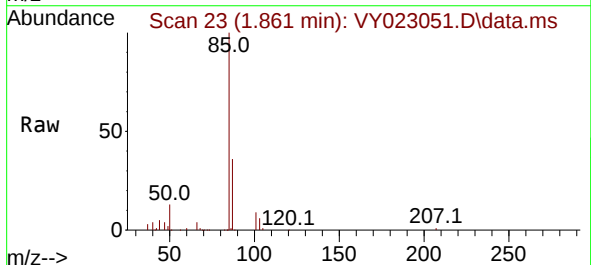
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:168 Resp: 551522
Ion Ratio Lower Upper
168 100
99 54.9 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 11.334 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 85 Resp: 51022
Ion Ratio Lower Upper
85 100
87 36.3 16.6 49.8

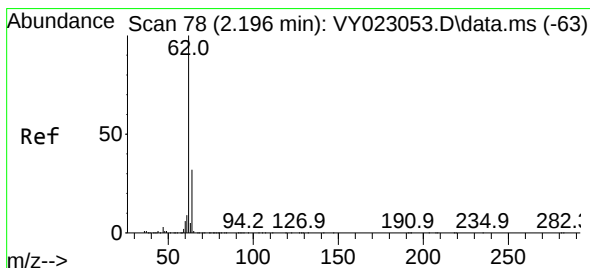
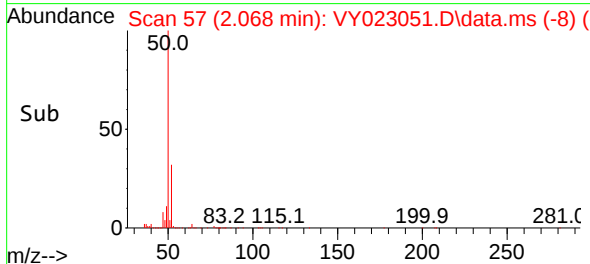
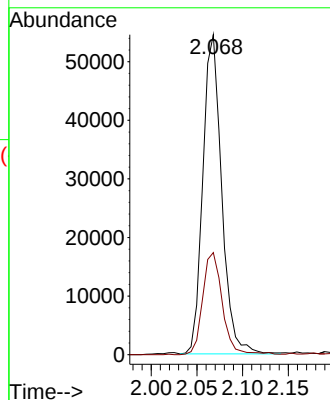
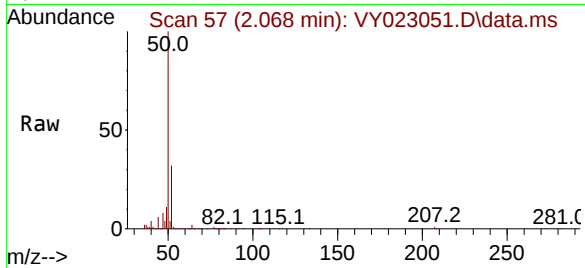




#3
Chloromethane
Concen: 10.695 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

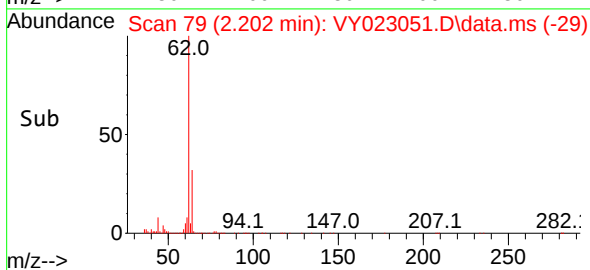
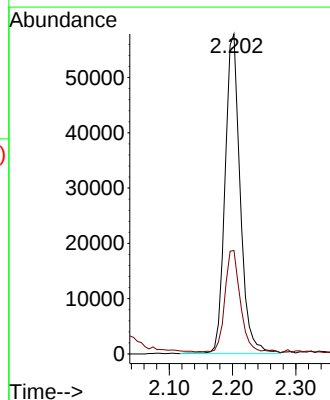
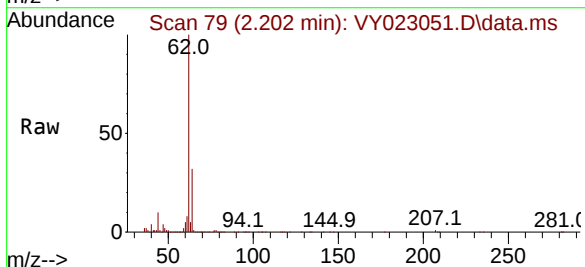
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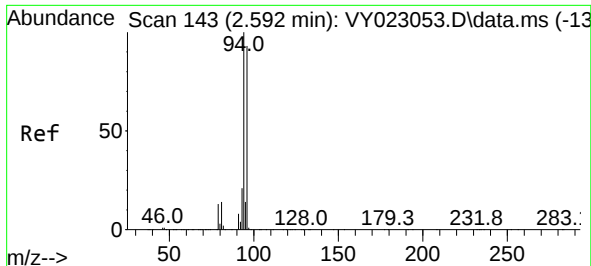
Tgt Ion: 50 Resp: 77982
Ion Ratio Lower Upper
50 100
52 32.0 26.7 40.1



#4
Vinyl Chloride
Concen: 10.649 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 62 Resp: 95983
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0

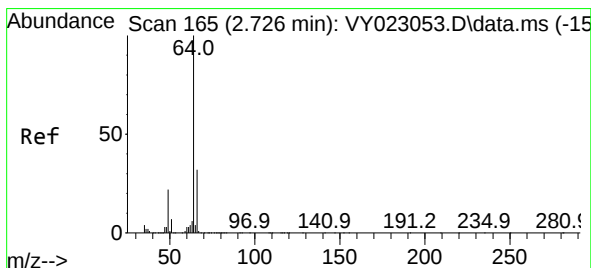
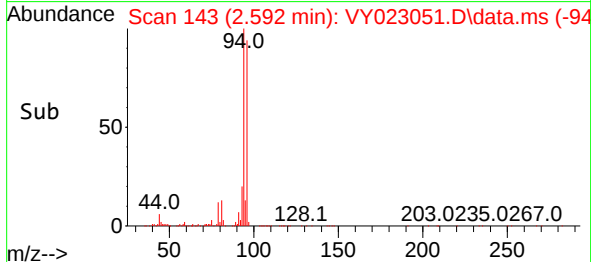
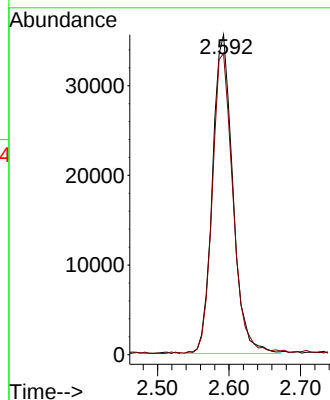
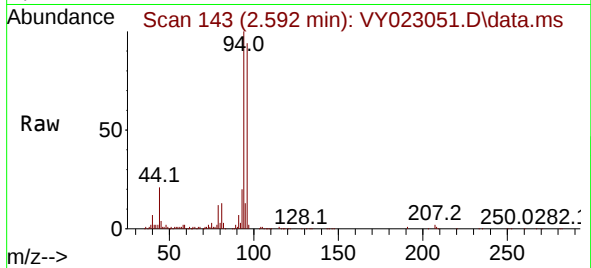




#5
Bromomethane
Concen: 10.461 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

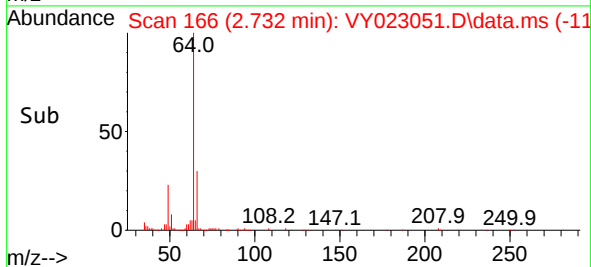
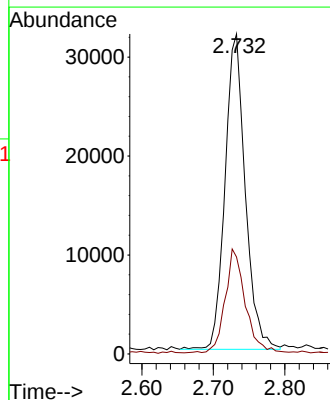
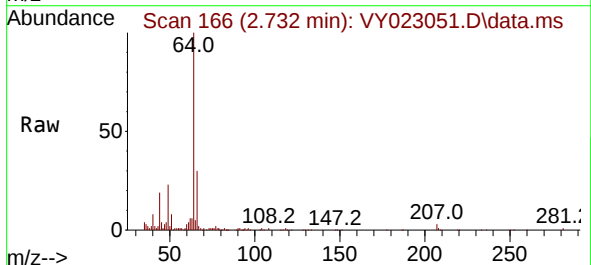
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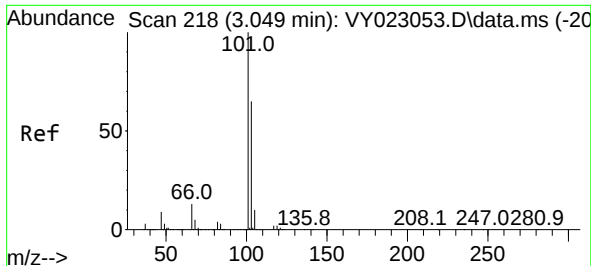
Tgt Ion: 94 Resp: 70415
Ion Ratio Lower Upper
94 100
96 93.8 74.6 112.0



#6
Chloroethane
Concen: 10.432 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 64 Resp: 62514
Ion Ratio Lower Upper
64 100
66 30.4 25.8 38.6

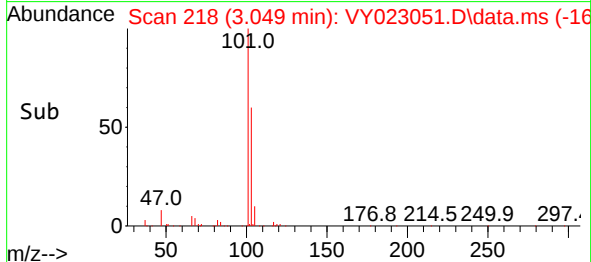
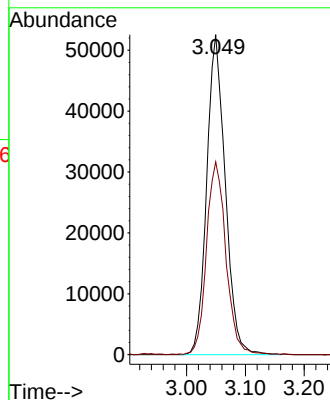
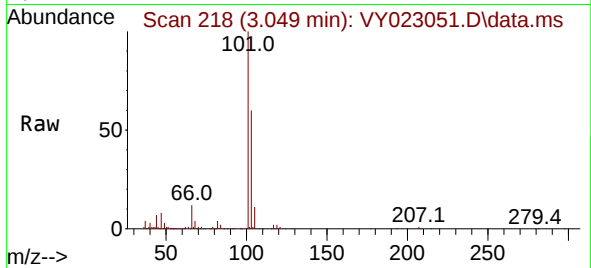




#7
 Trichlorofluoromethane
 Concen: 10.507 ug/l
 RT: 3.049 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VY023051.D
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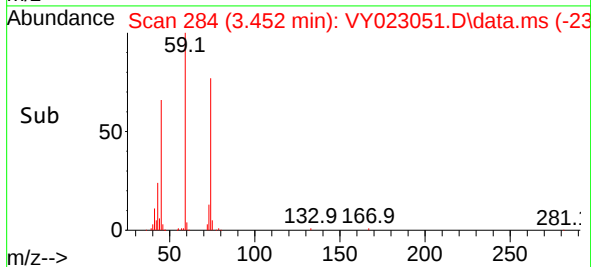
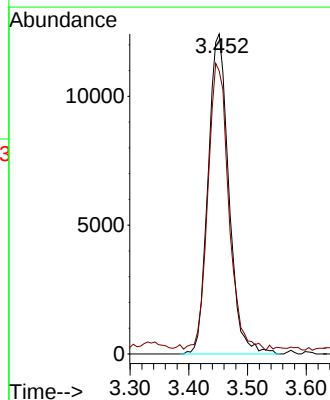
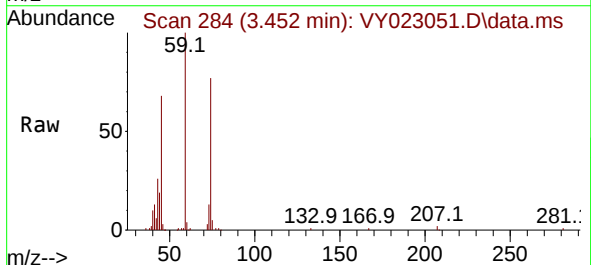
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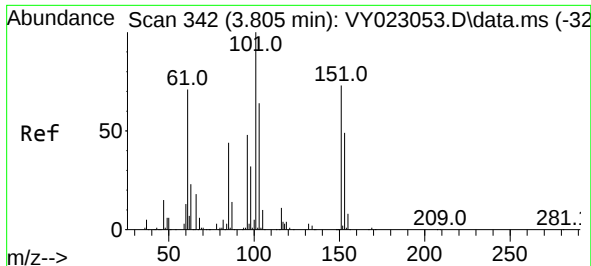
Tgt Ion:101 Resp: 115150
 Ion Ratio Lower Upper
 101 100
 103 60.1 51.9 77.9



#8
 Diethyl Ether
 Concen: 10.481 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. 0.006 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion: 74 Resp: 30390
 Ion Ratio Lower Upper
 74 100
 45 90.2 44.4 133.2

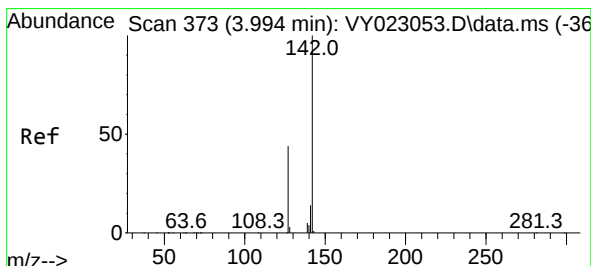
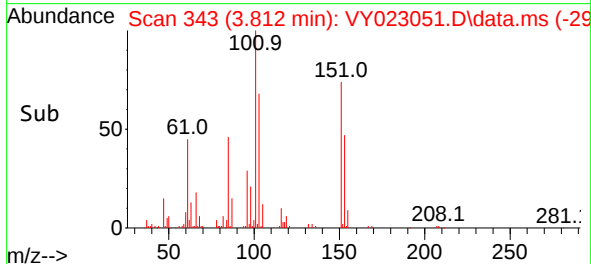
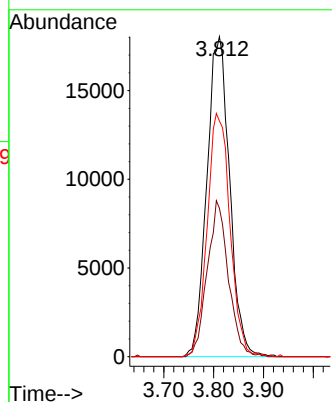
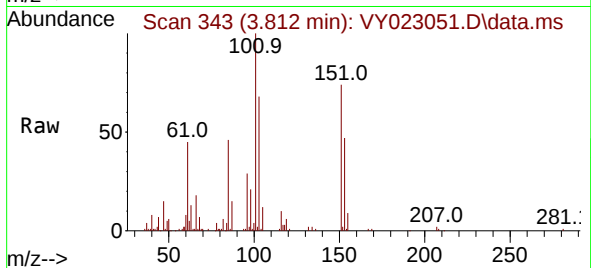




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.581 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023051.D
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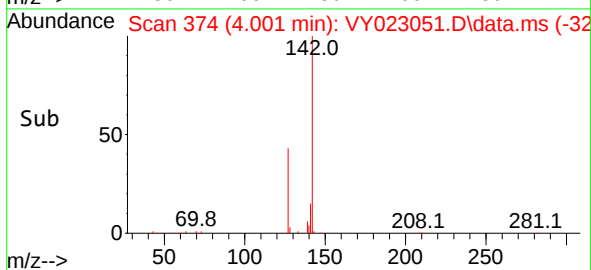
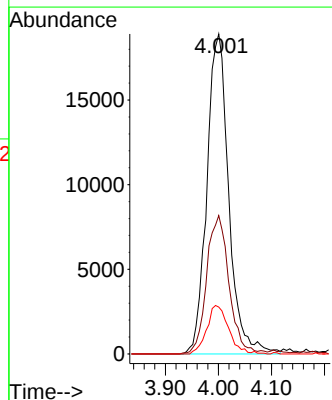
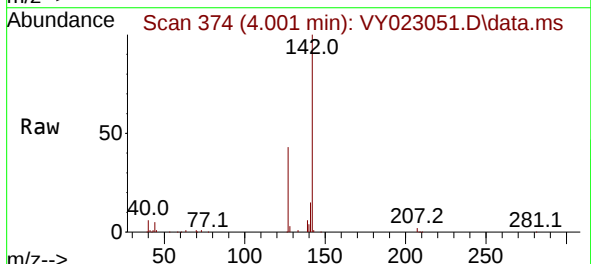
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Tgt Ion:101 Resp: 57210
Ion Ratio Lower Upper
101 100
85 45.3 36.3 54.5
151 76.3 61.5 92.3



#10
Methyl Iodide
Concen: 9.287 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:142 Resp: 54184
Ion Ratio Lower Upper
142 100
127 44.3 34.9 52.3
141 14.9 11.3 16.9

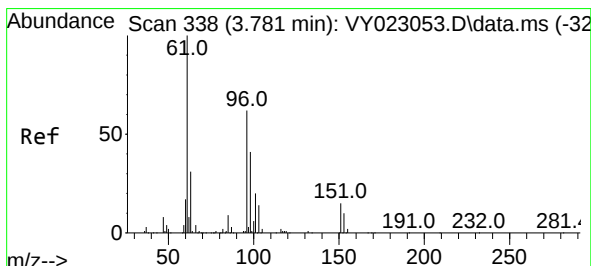
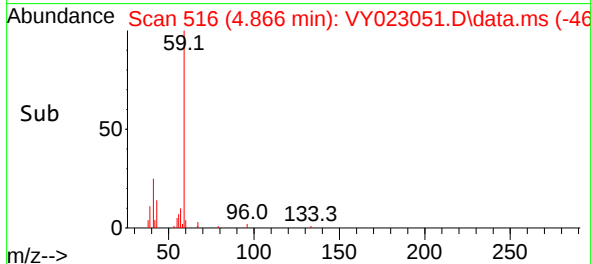
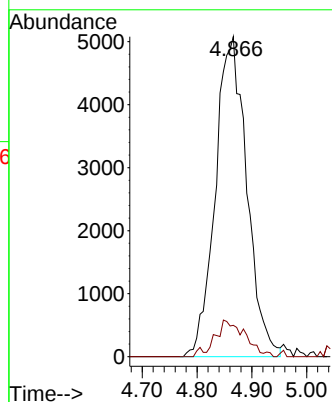
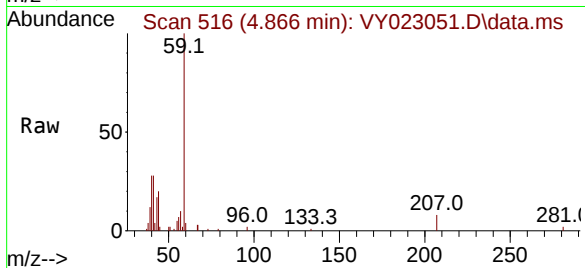




#11
Tert butyl alcohol
Concen: 56.119 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

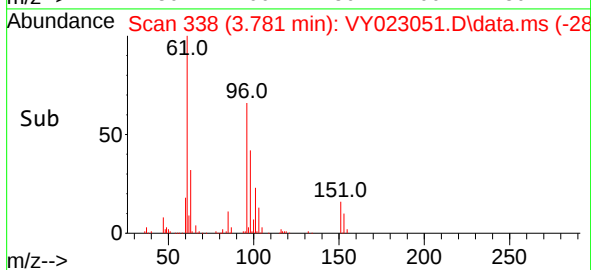
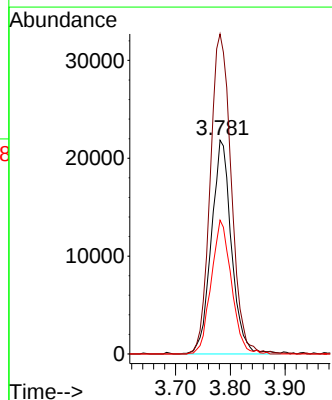
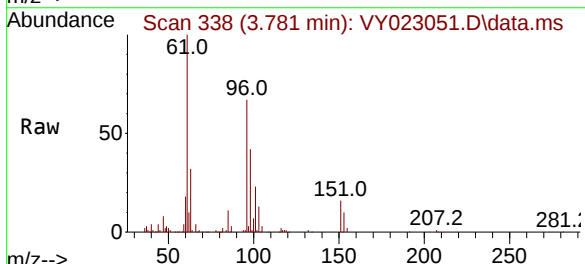
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 59 Resp: 20212
Ion Ratio Lower Upper
59 100
57 10.3 8.6 13.0



#12
1,1-Dichloroethene
Concen: 10.475 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 96 Resp: 55669
Ion Ratio Lower Upper
96 100
61 149.7 129.4 194.2
98 62.6 52.8 79.2

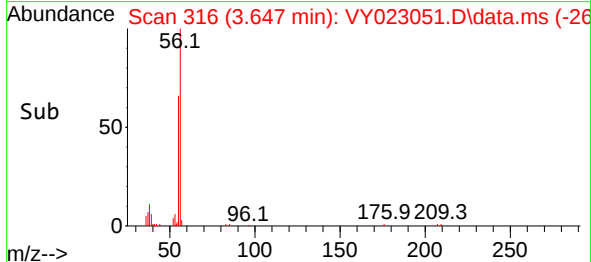
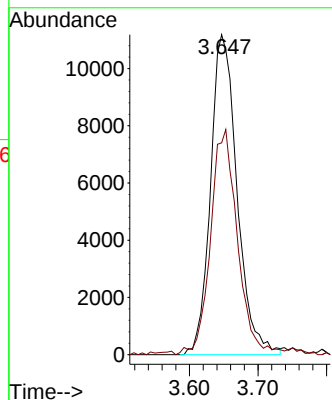
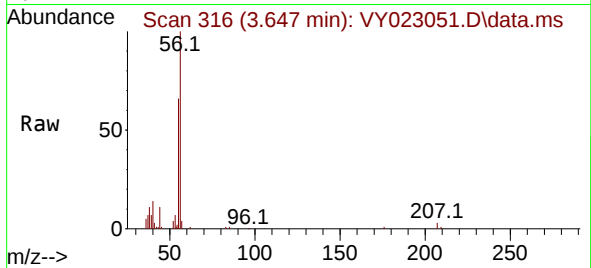




#13
Acrolein
Concen: 57.030 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

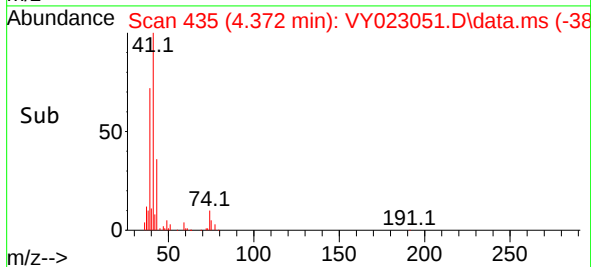
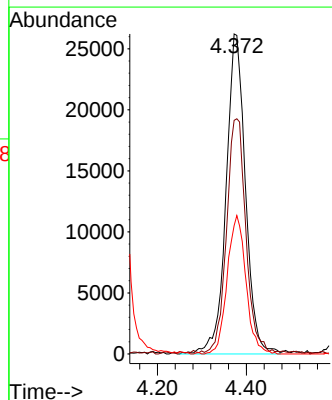
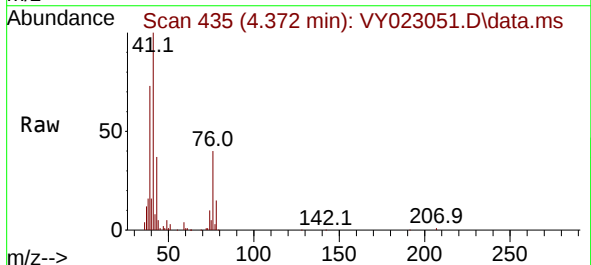
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

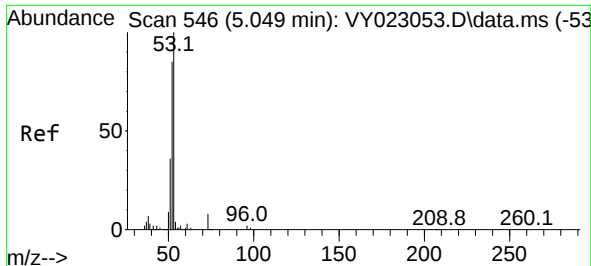
Tgt Ion: 56 Resp: 30081
Ion Ratio Lower Upper
56 100
55 71.2 55.2 82.8



#14
Allyl chloride
Concen: 10.121 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 79145
Ion Ratio Lower Upper
41 100
39 72.7 59.8 89.6
76 41.9 33.7 50.5

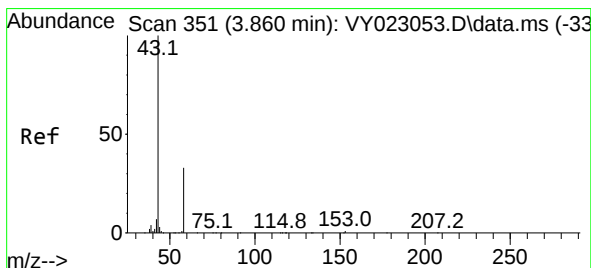
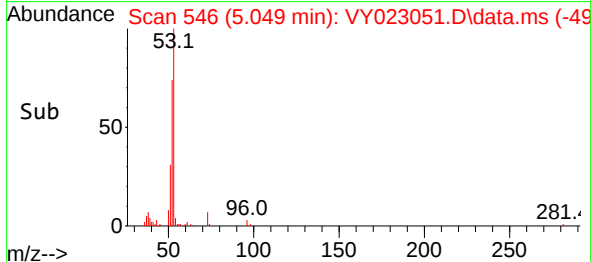
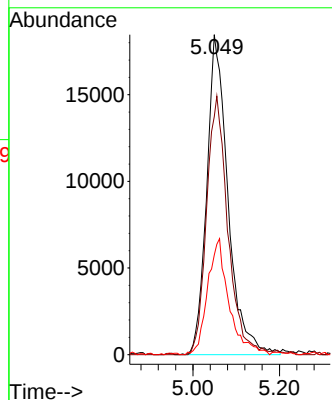
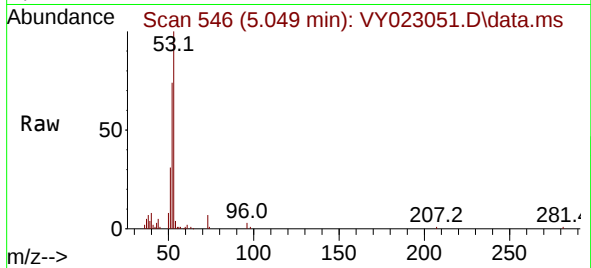




#15
Acrylonitrile
Concen: 53.349 ug/l
RT: 5.049 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

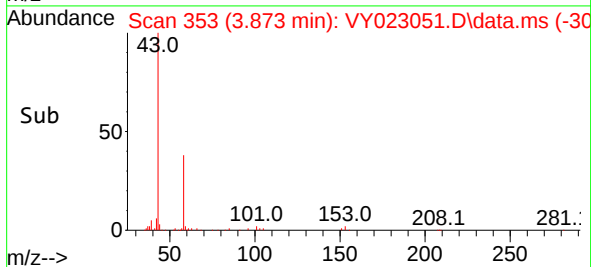
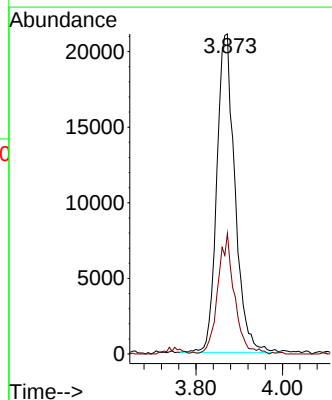
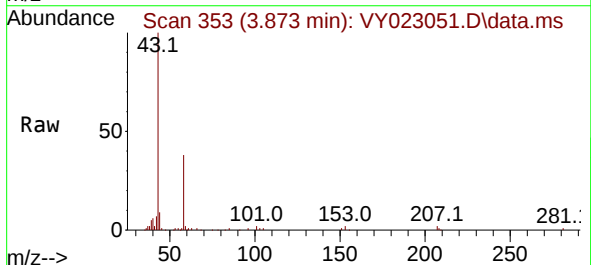
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 53 Resp: 62889
Ion Ratio Lower Upper
53 100
52 81.0 65.3 97.9
51 36.5 29.5 44.3



#16
Acetone
Concen: 53.821 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 61290
Ion Ratio Lower Upper
43 100
58 37.4 27.1 40.7

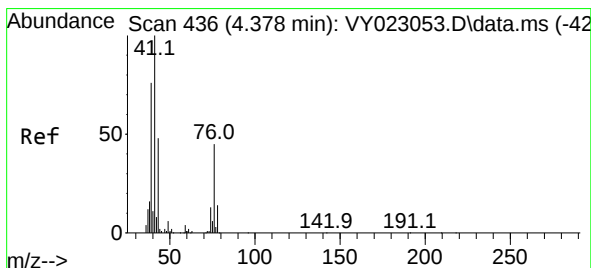
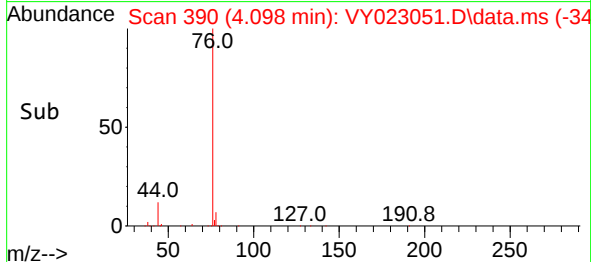
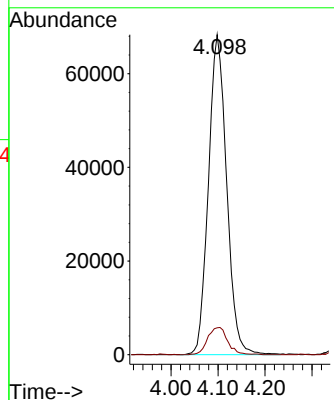
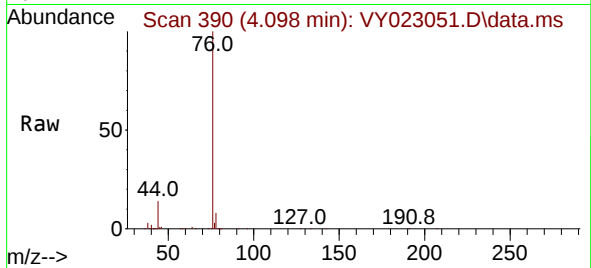




#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

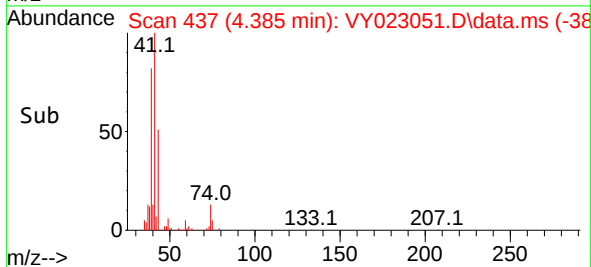
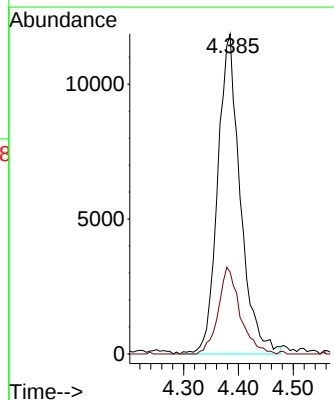
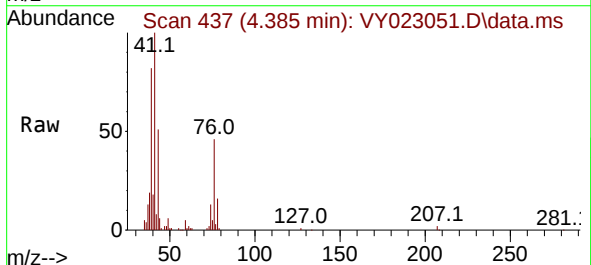
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

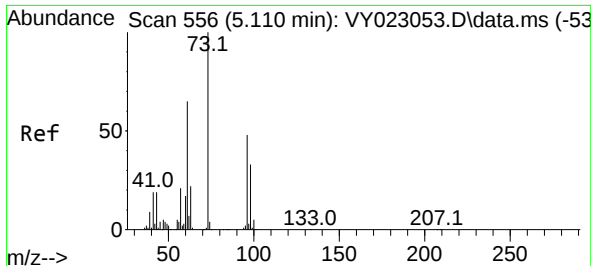
Tgt Ion: 76 Resp: 183399
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 10.032 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 33996
Ion Ratio Lower Upper
43 100
74 26.2 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 10.153 ug/l

RT: 5.110 min Scan# 511

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

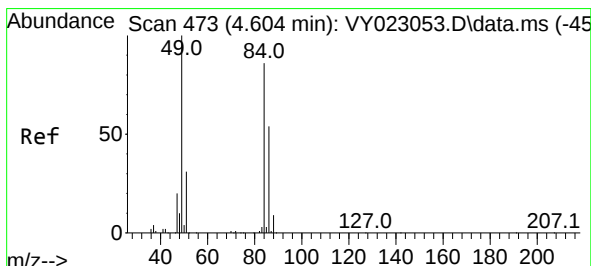
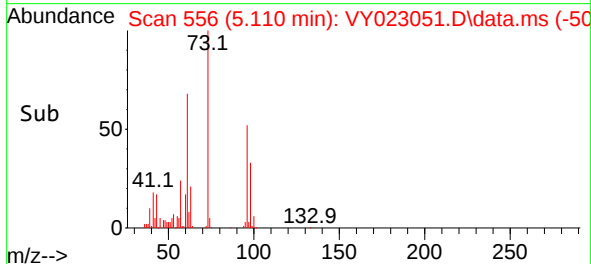
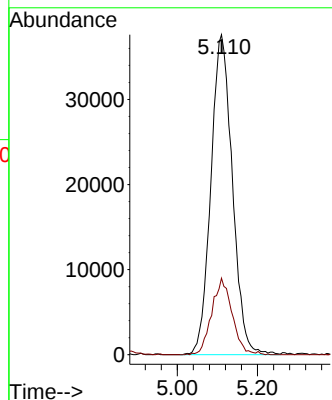
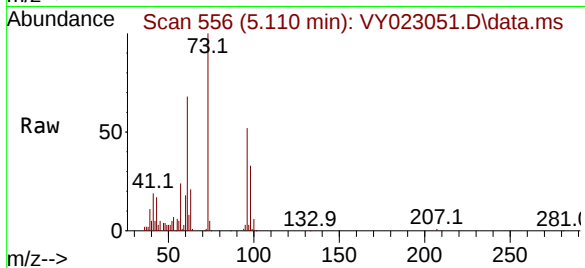
VSTDIC010

Tgt Ion: 73 Resp: 139820

Ion Ratio Lower Upper

73 100

57 23.9 17.1 25.7



#20

Methylene Chloride

Concen: 11.095 ug/l

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion: 84 Resp: 77920

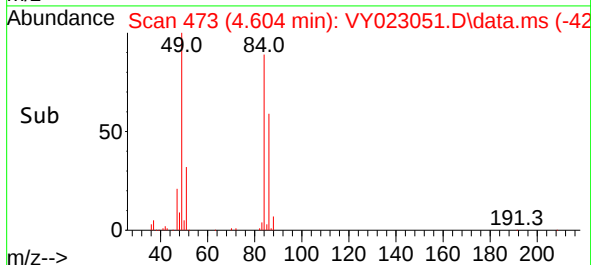
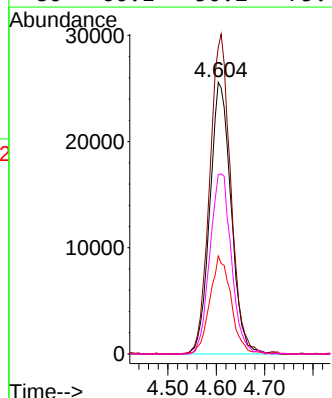
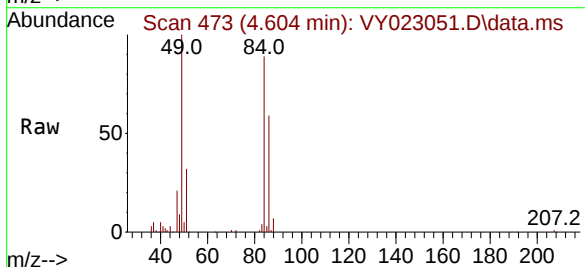
Ion Ratio Lower Upper

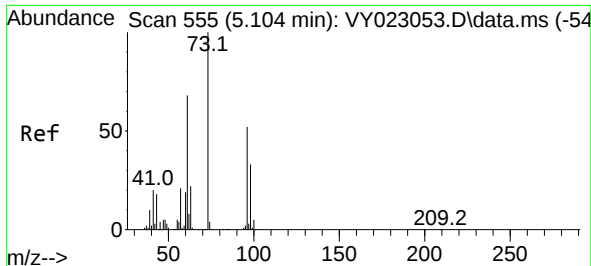
84 100

49 112.8 93.0 139.6

51 36.1 29.0 43.4

86 66.1 50.2 75.4

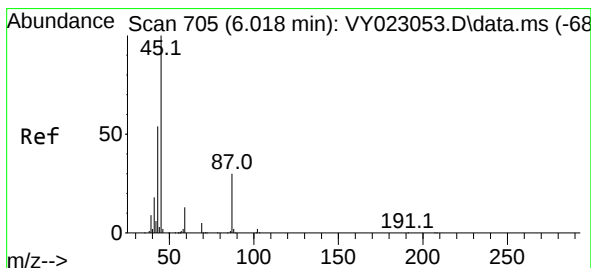
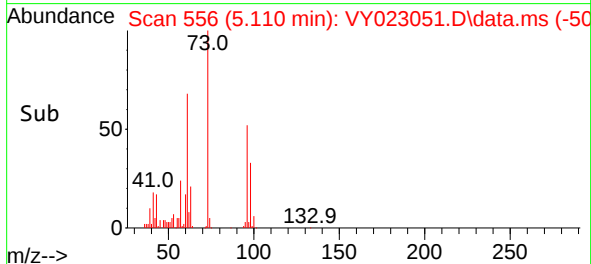
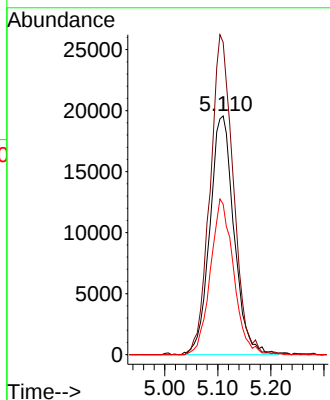
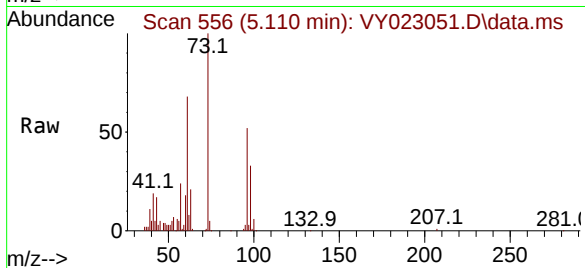




#21
trans-1,2-Dichloroethene
Concen: 10.352 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

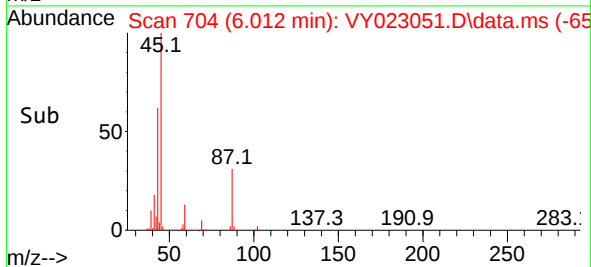
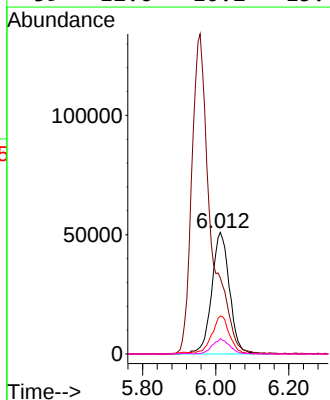
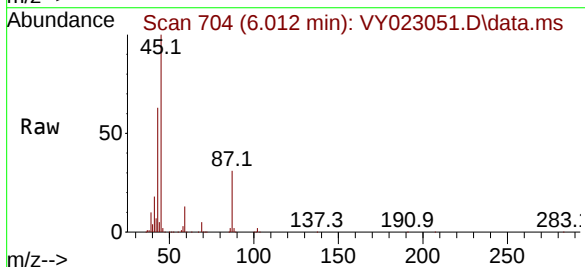
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

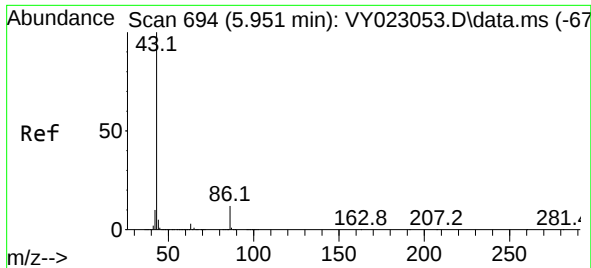
Tgt Ion: 96 Resp: 61826
Ion Ratio Lower Upper
96 100
61 130.8 104.8 157.2
98 63.0 50.1 75.1



#22
Diisopropyl ether
Concen: 10.157 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 45 Resp: 172602
Ion Ratio Lower Upper
45 100
43 62.2 43.4 65.0
87 31.2 24.4 36.6
59 12.6 10.2 15.4

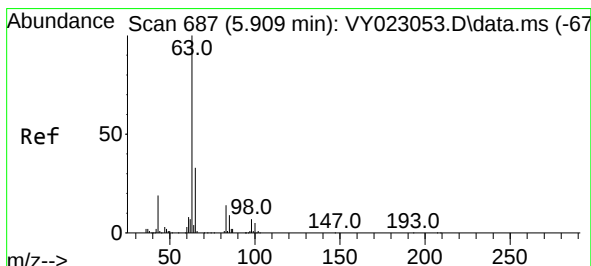
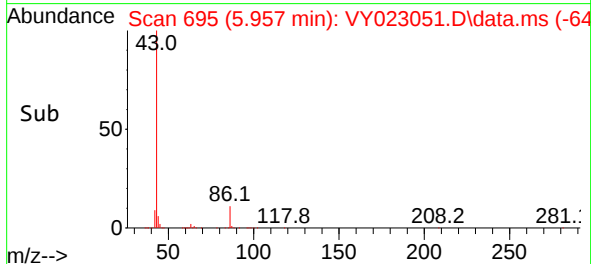
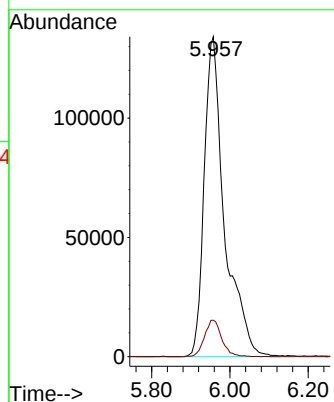
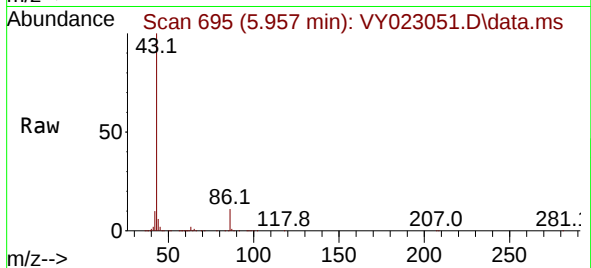




#23
 Vinyl Acetate
 Concen: 51.372 ug/l
 RT: 5.957 min Scan# 694
 Delta R.T. 0.006 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

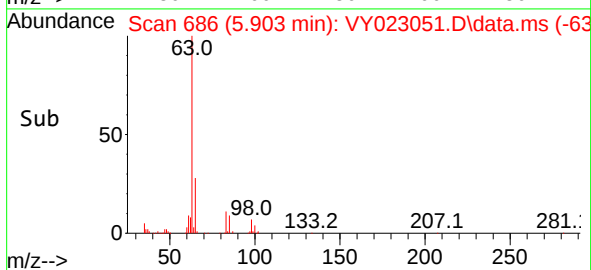
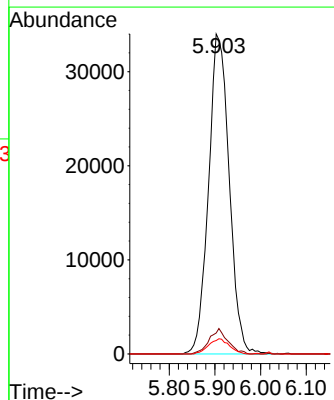
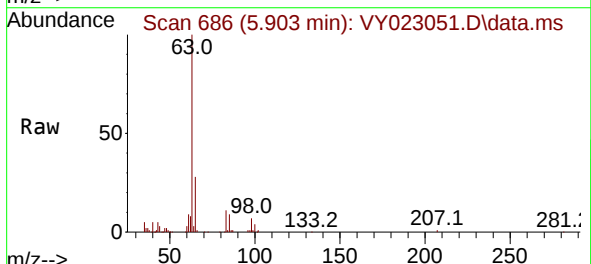
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

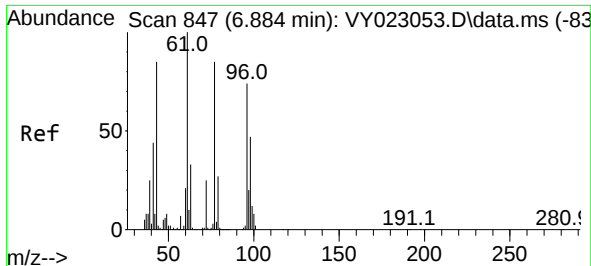
Tgt Ion: 43 Resp: 482714
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 10.282 ug/l
 RT: 5.903 min Scan# 686
 Delta R.T. -0.006 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion: 63 Resp: 106831
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.6
 100 4.2 2.4 7.1

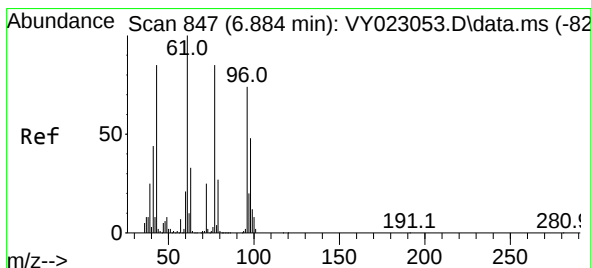
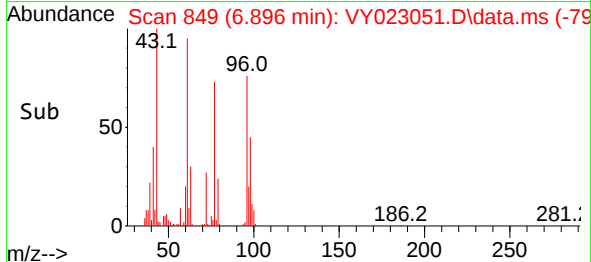
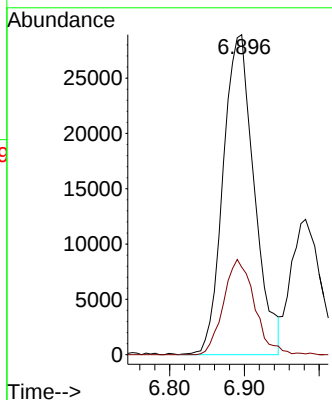
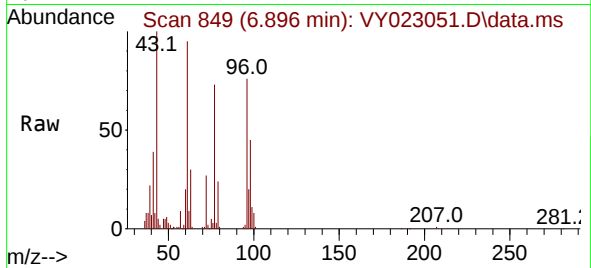




#25
2-Butanone
Concen: 54.187 ug/l
RT: 6.896 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

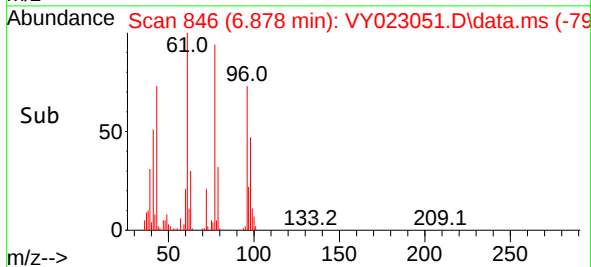
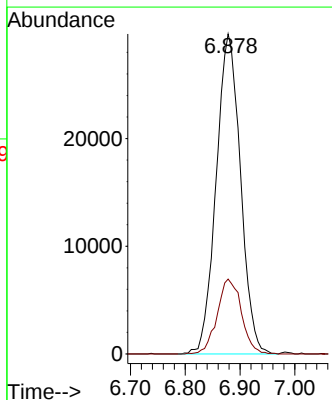
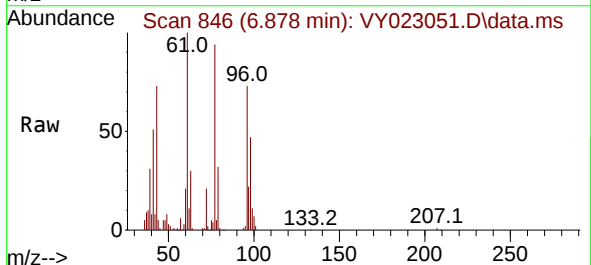
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 83923
Ion Ratio Lower Upper
43 100
72 27.3 23.5 35.3



#26
2,2-Dichloropropane
Concen: 10.215 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 77 Resp: 91579
Ion Ratio Lower Upper
77 100
97 23.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 9.970 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

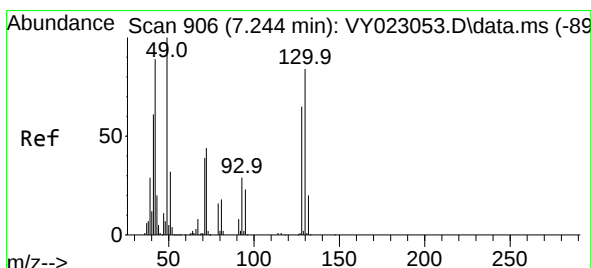
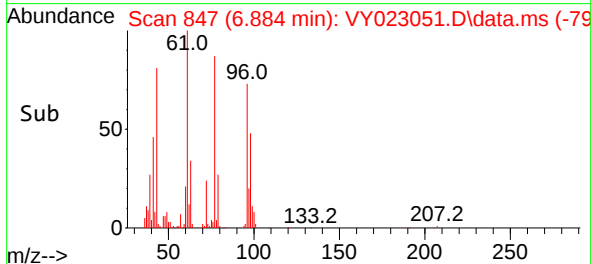
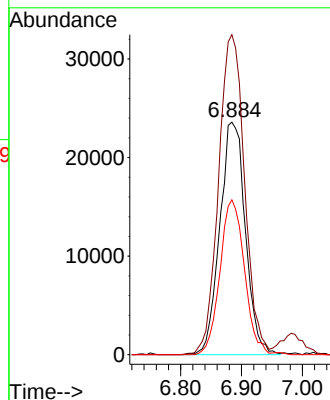
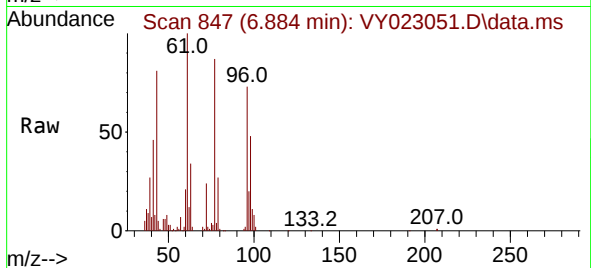
Tgt Ion: 96 Resp: 68839

Ion Ratio Lower Upper

96 100

61 139.5 0.0 278.6

98 63.6 0.0 130.4



#28

Bromochloromethane

Concen: 10.146 ug/l

RT: 7.238 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

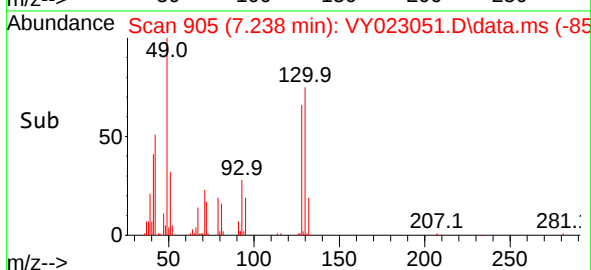
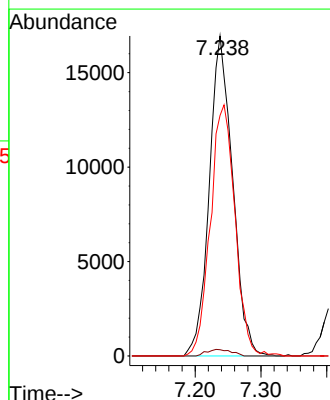
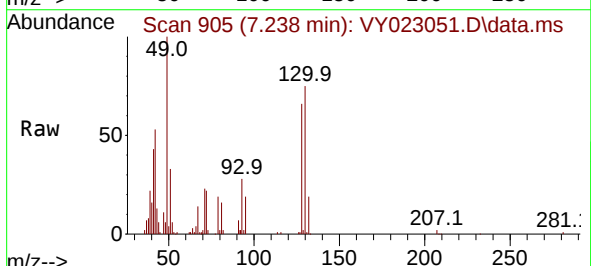
Tgt Ion: 49 Resp: 41820

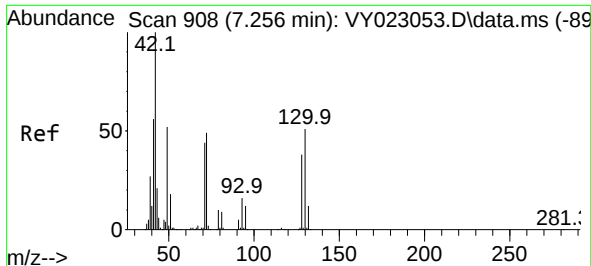
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 82.8 66.4 99.6





#29

Tetrahydrofuran

Concen: 52.005 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

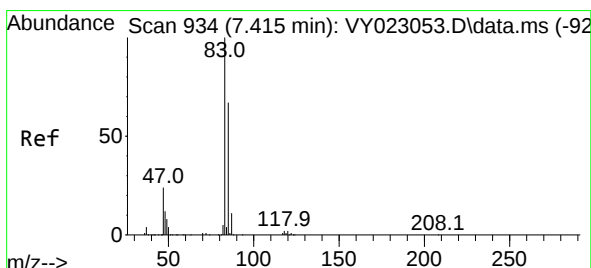
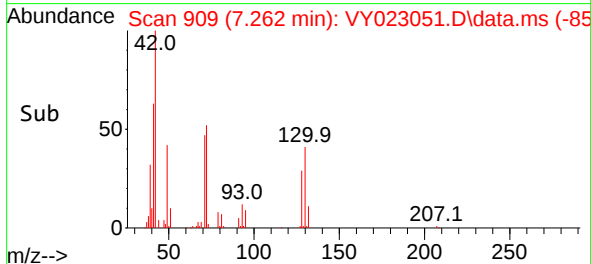
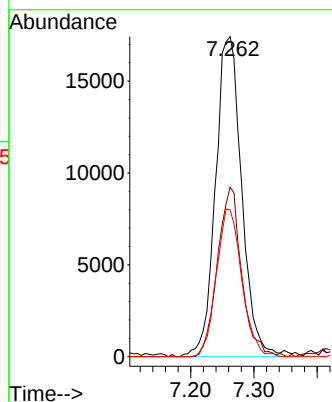
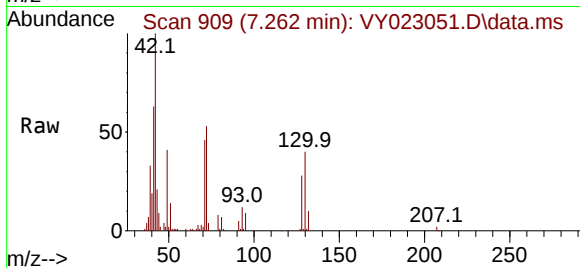
Tgt Ion: 42 Resp: 49926

Ion Ratio Lower Upper

42 100

72 49.0 39.4 59.2

71 44.8 36.5 54.7



#30

Chloroform

Concen: 10.260 ug/l

RT: 7.415 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY023051.D

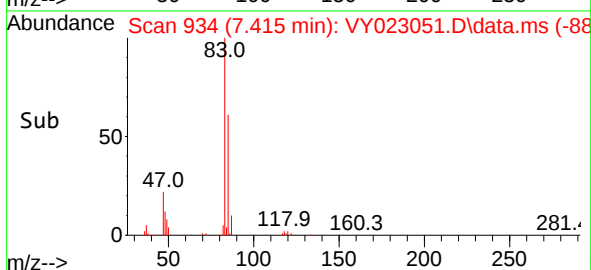
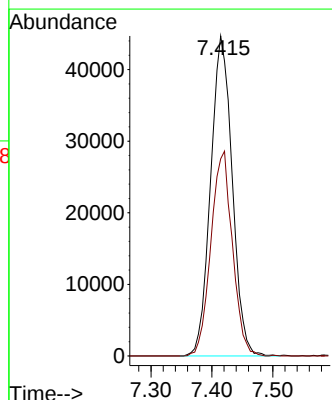
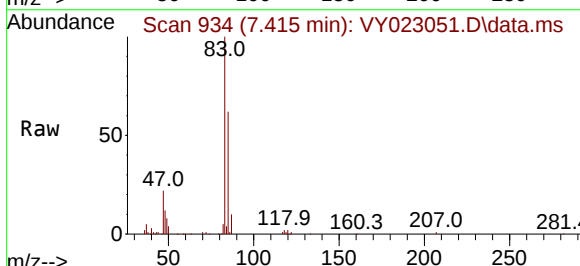
Acq: 12 Aug 2025 15:17

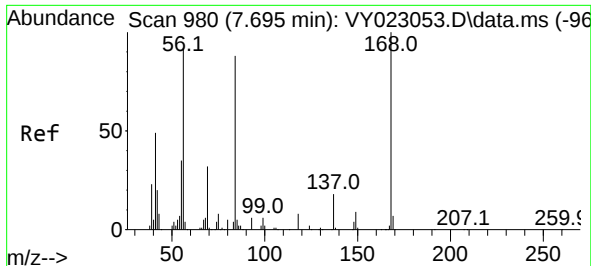
Tgt Ion: 83 Resp: 109942

Ion Ratio Lower Upper

83 100

85 61.6 53.8 80.8

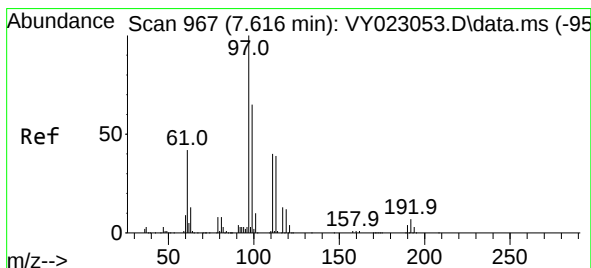
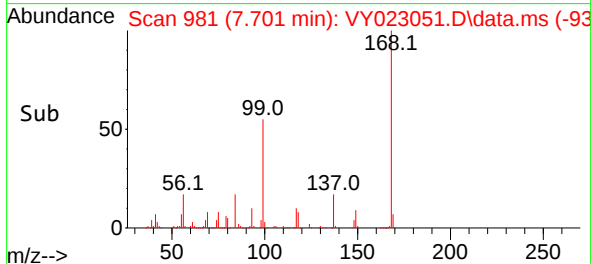
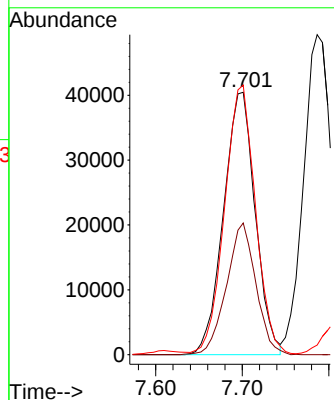
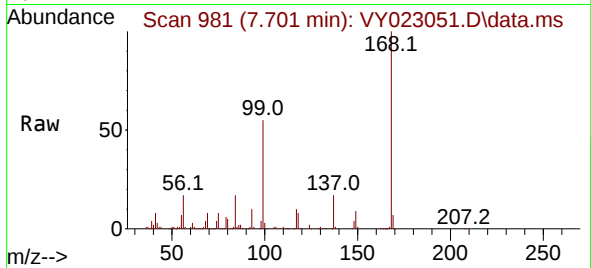




#31
Cyclohexane
Concen: 10.527 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

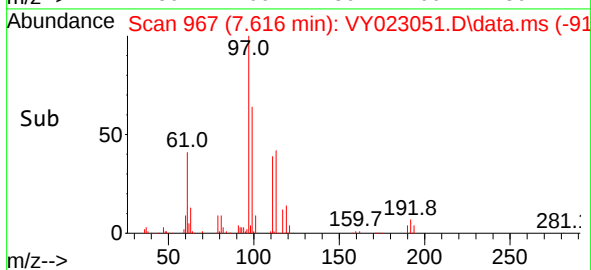
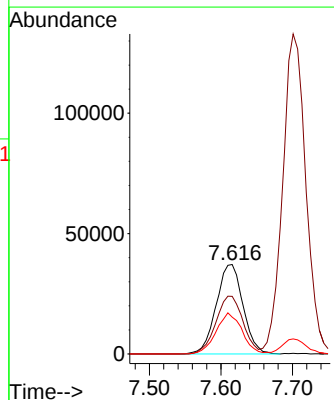
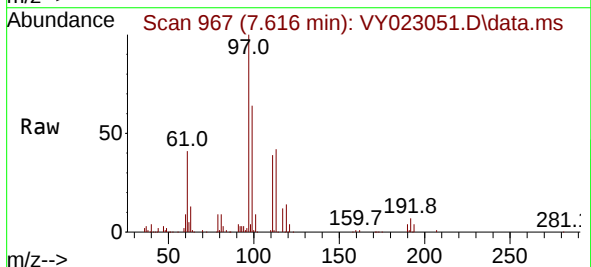
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 103068
Ion Ratio Lower Upper
56 100
69 50.2 28.2 42.2#
84 101.8 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 10.170 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 97 Resp: 96693
Ion Ratio Lower Upper
97 100
99 65.2 51.6 77.4
61 44.2 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 10.274 ug/l

RT: 8.061 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

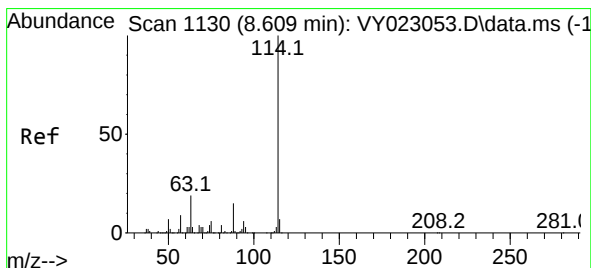
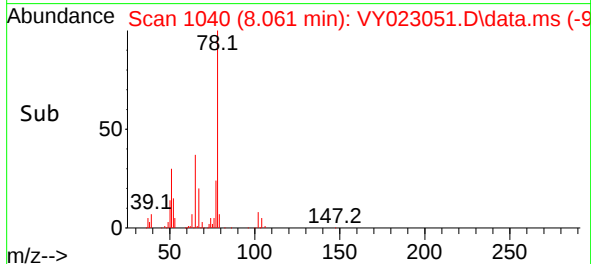
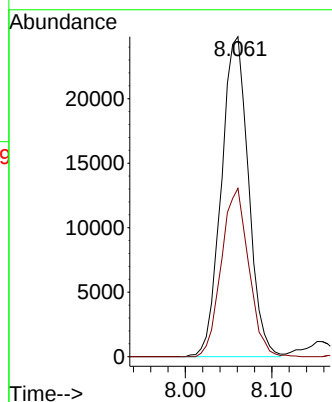
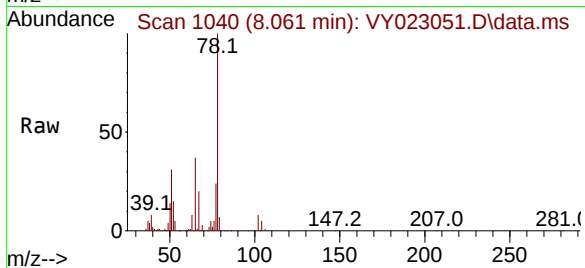
VSTDIC010

Tgt Ion: 65 Resp: 54002

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

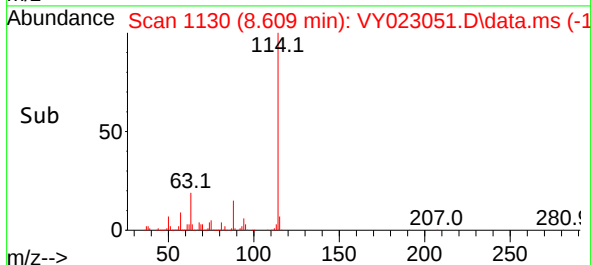
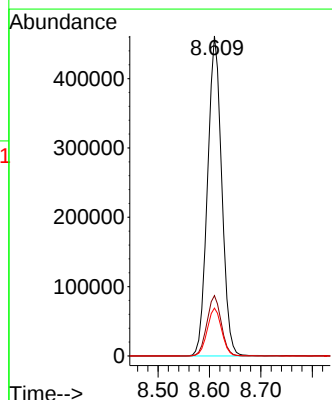
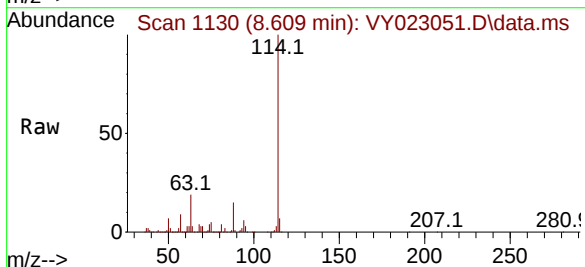
Tgt Ion: 114 Resp: 883548

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 14.9 0.0 30.0

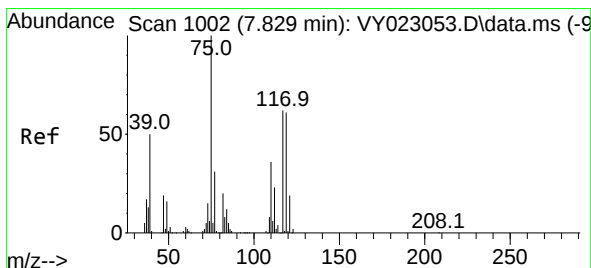
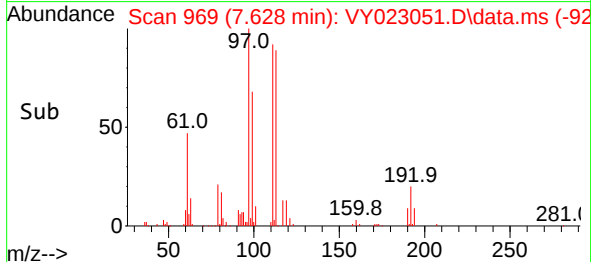
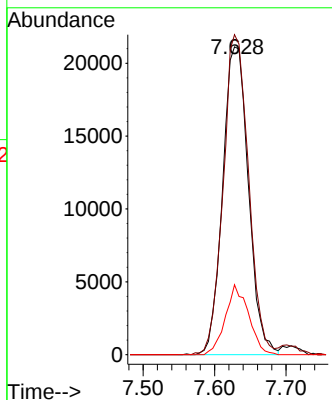
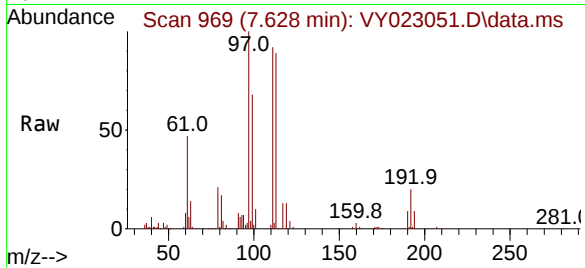




#35
Dibromofluoromethane
Concen: 10.009 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

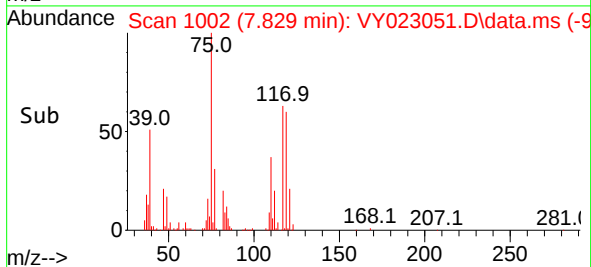
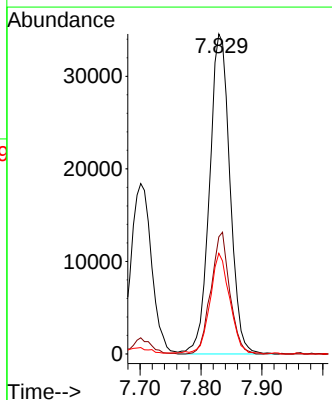
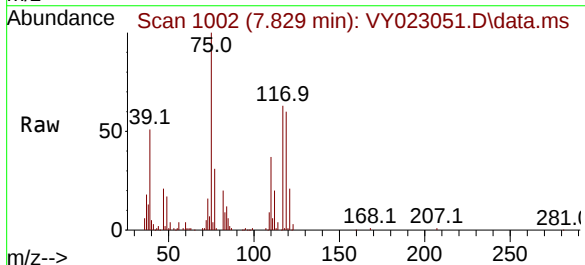
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

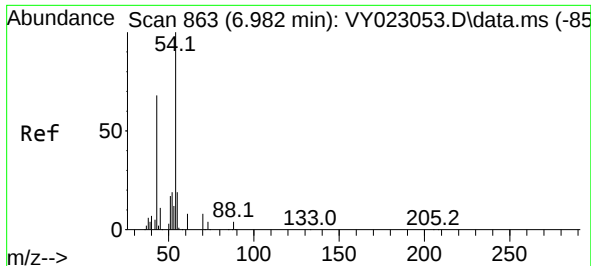
Tgt Ion:113 Resp: 52916
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 20.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 10.243 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 80479
Ion Ratio Lower Upper
75 100
110 35.2 18.1 54.4
77 30.7 24.6 37.0





#37

Ethyl Acetate

Concen: 10.560 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

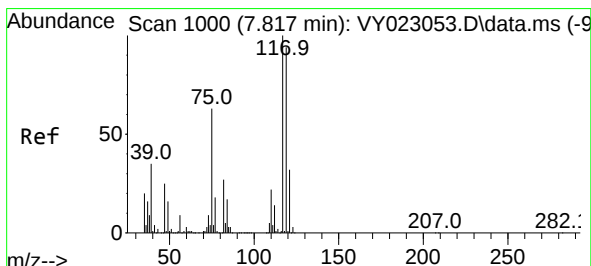
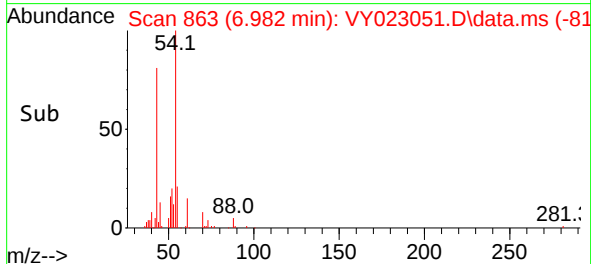
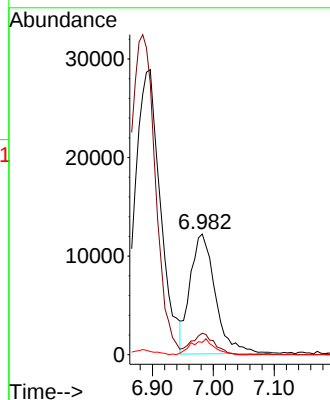
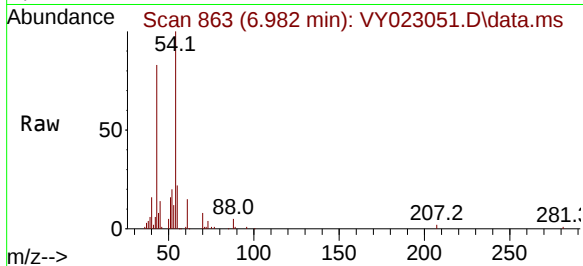
Tgt Ion: 43 Resp: 34854

Ion Ratio Lower Upper

43 100

61 16.5 11.9 17.9

70 11.7 8.8 13.2



#38

Carbon Tetrachloride

Concen: 10.070 ug/l

RT: 7.811 min Scan# 999

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

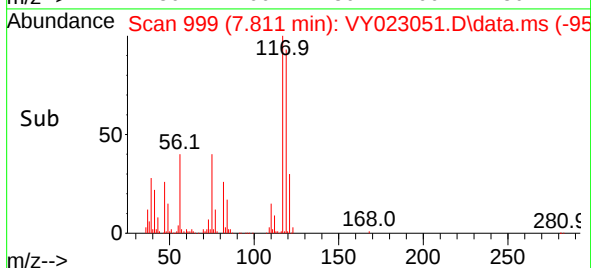
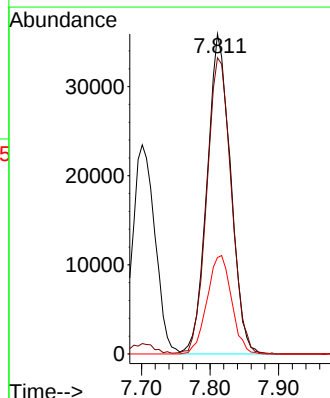
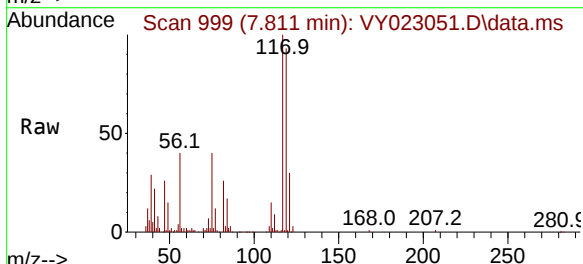
Tgt Ion: 117 Resp: 85932

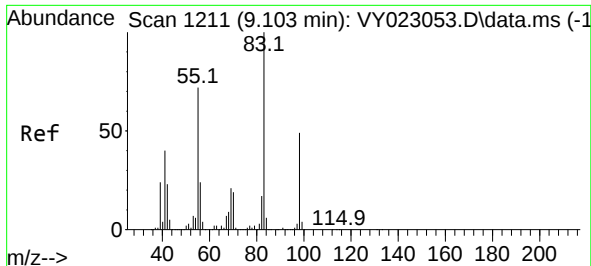
Ion Ratio Lower Upper

117 100

119 92.5 75.6 113.4

121 30.1 25.8 38.8

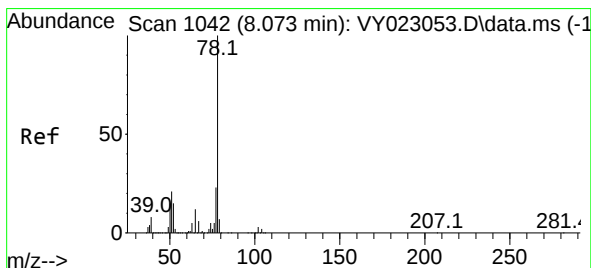
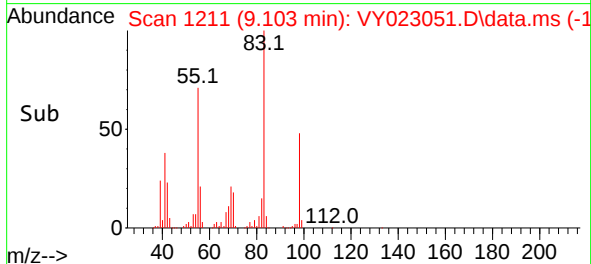
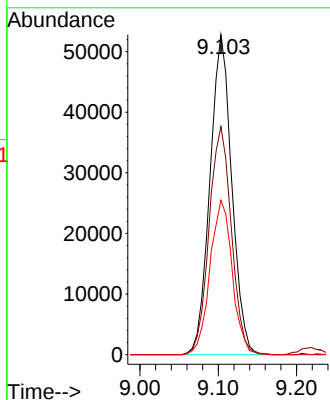
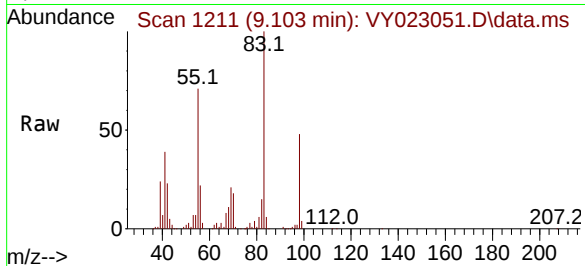




#39
Methylcyclohexane
Concen: 9.885 ug/l
RT: 9.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

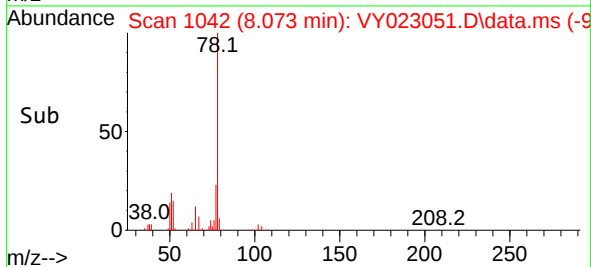
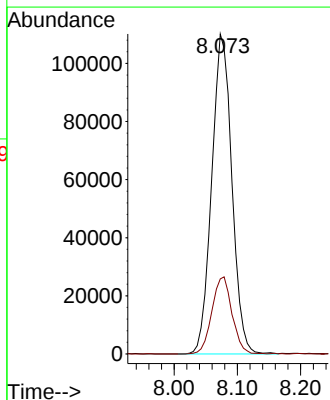
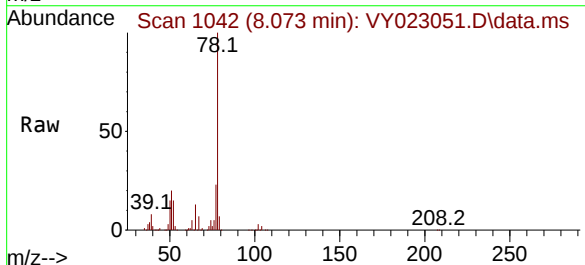
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

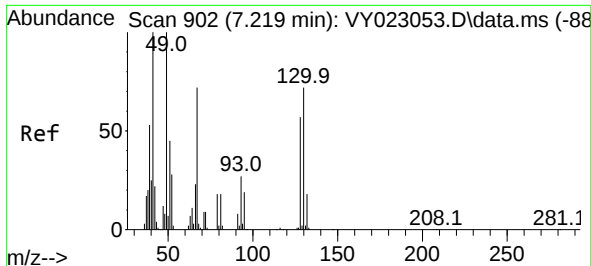
Tgt Ion: 83 Resp: 102275
Ion Ratio Lower Upper
83 100
55 71.3 57.6 86.4
98 48.2 39.2 58.8



#40
Benzene
Concen: 10.037 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 78 Resp: 243060
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0

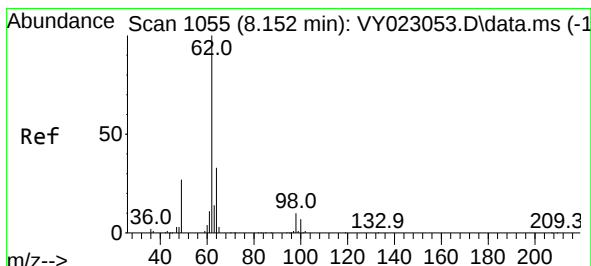
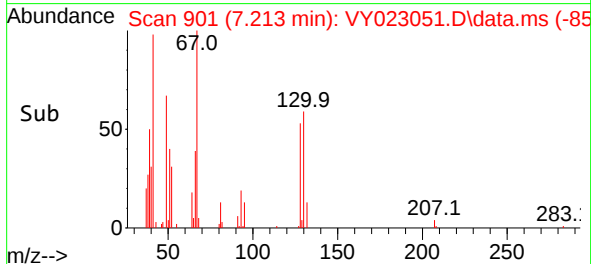
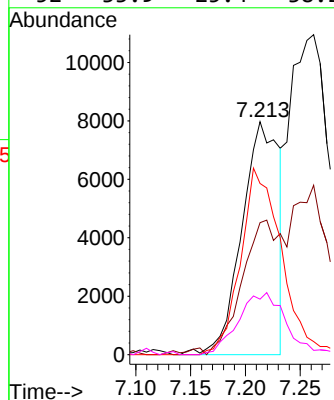
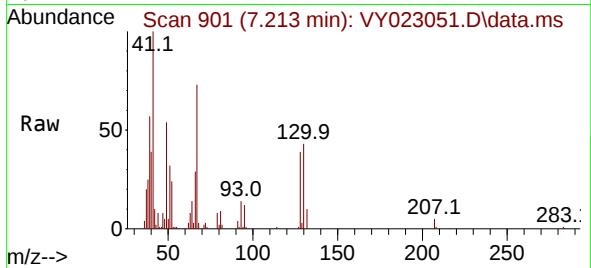




#41
Methacrylonitrile
Concen: 9.872 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

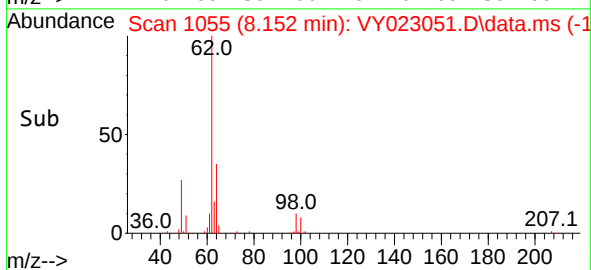
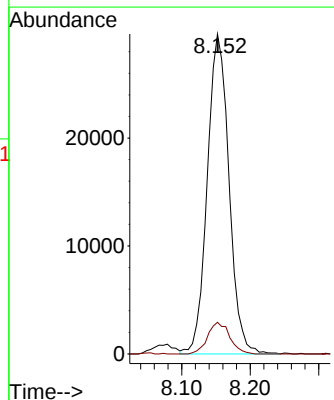
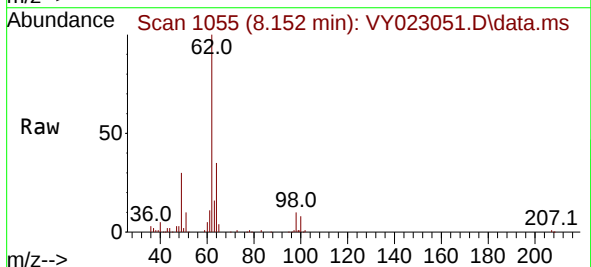
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion:	41	Resp:	18825
Ion	Ratio	Lower	Upper
41	100		
39	66.1	43.4	65.2#
67	88.6	63.6	95.4
52	33.9	25.4	38.2



#42
1,2-Dichloroethane
Concen: 10.376 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:	62	Resp:	65350
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6

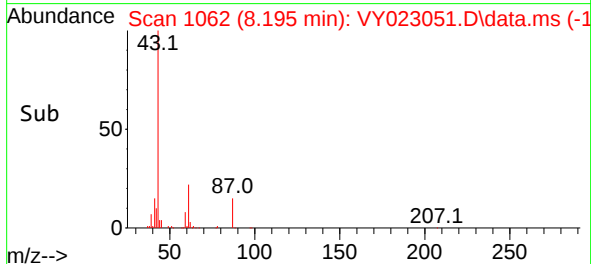
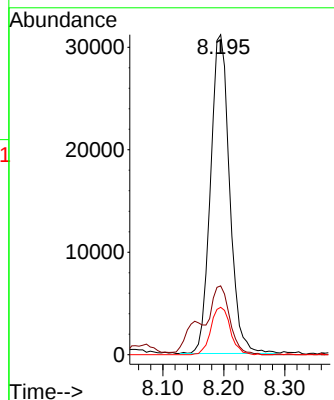
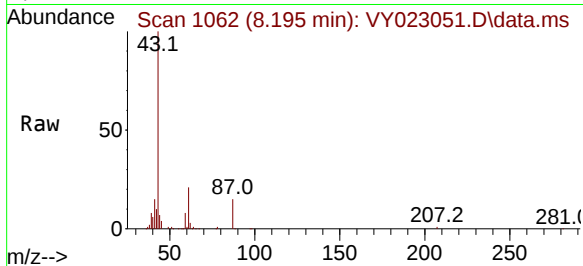




#43
Isopropyl Acetate
Concen: 10.144 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

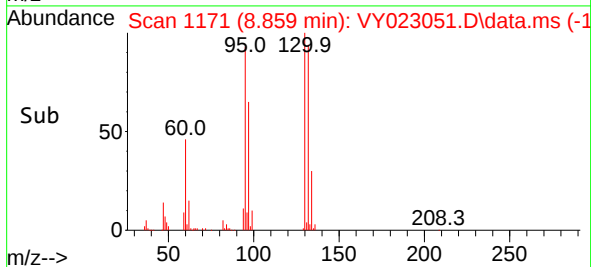
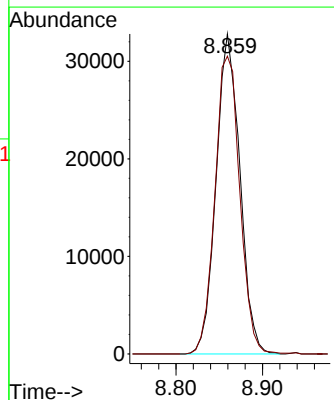
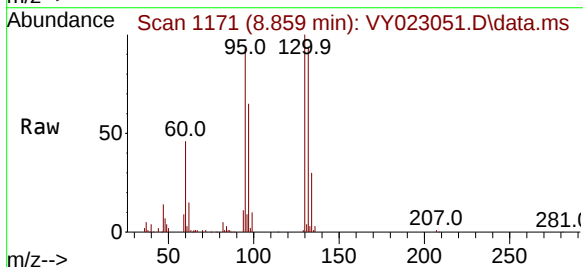
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

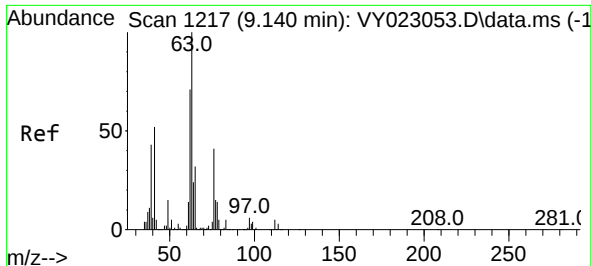
Tgt Ion: 43 Resp: 67669
Ion Ratio Lower Upper
43 100
61 20.8 16.4 24.6
87 15.2 11.8 17.6



#44
Trichloroethene
Concen: 10.017 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:130 Resp: 62689
Ion Ratio Lower Upper
130 100
95 93.0 0.0 190.2





#45

1,2-Dichloropropane

Concen: 10.179 ug/l

RT: 9.134 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

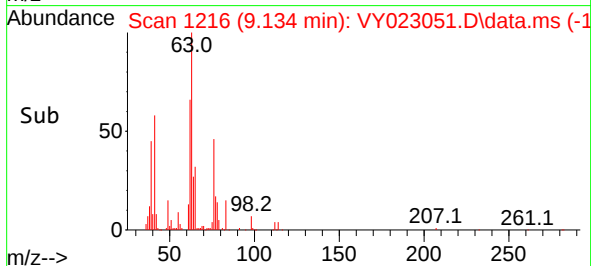
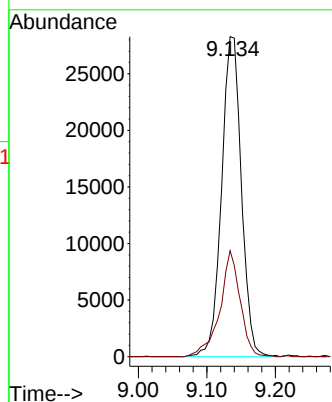
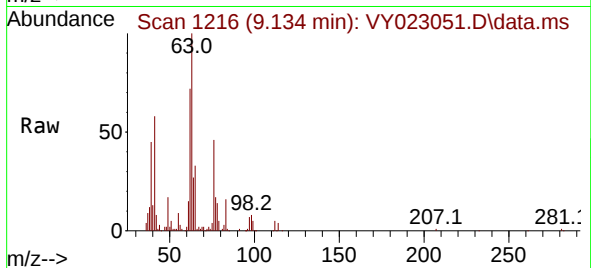
VSTDIC010

Tgt Ion: 63 Resp: 56720

Ion Ratio Lower Upper

63 100

65 33.1 25.3 37.9



#46

Dibromomethane

Concen: 10.462 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

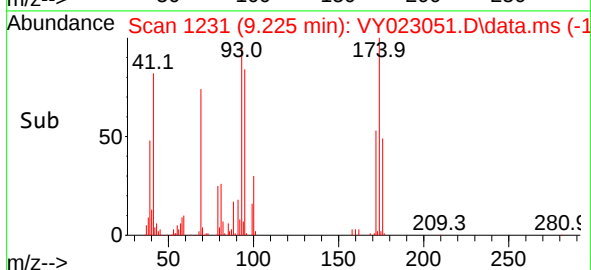
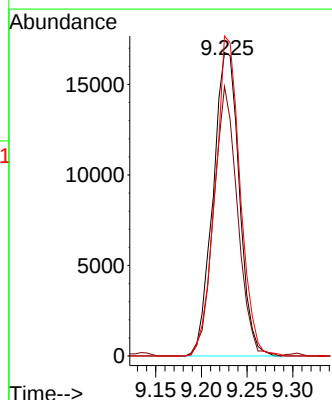
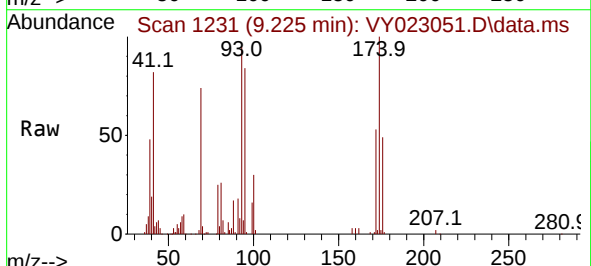
Tgt Ion: 93 Resp: 33460

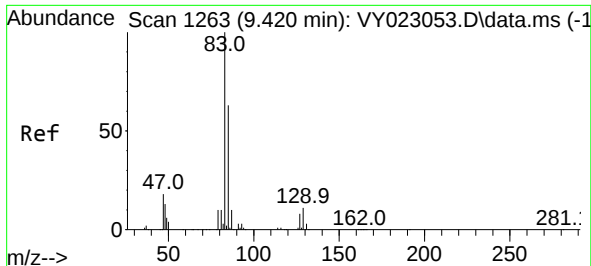
Ion Ratio Lower Upper

93 100

95 80.9 66.5 99.7

174 100.0 81.8 122.8

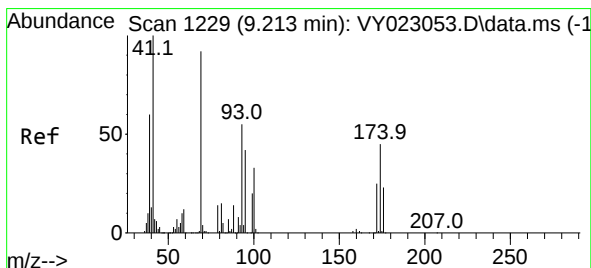
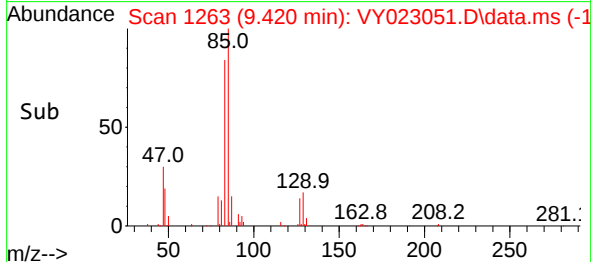
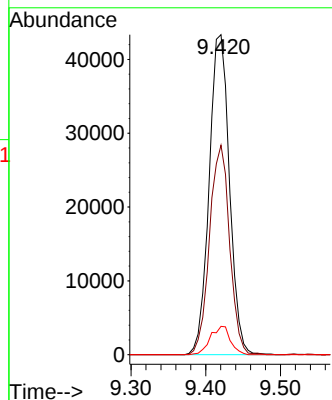
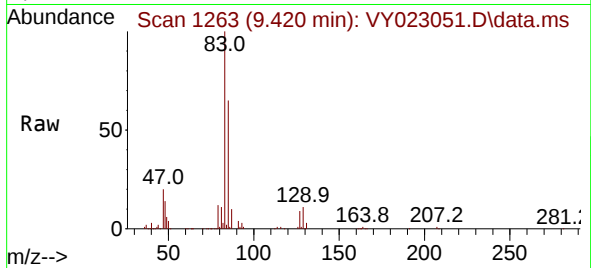




#47
Bromodichloromethane
Concen: 9.959 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

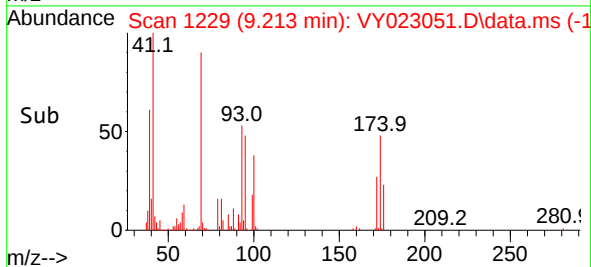
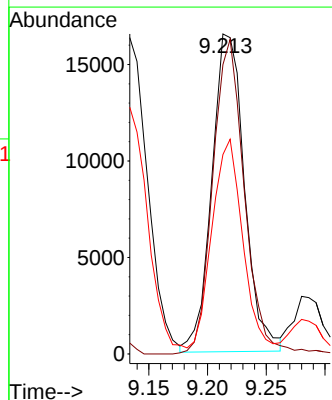
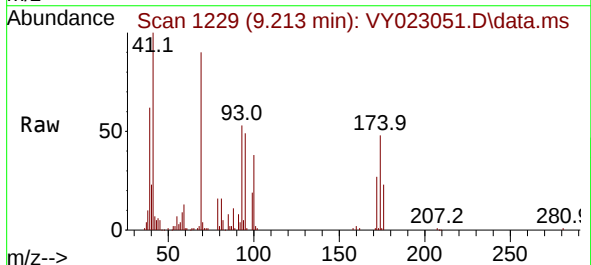
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 81951
Ion Ratio Lower Upper
83 100
85 65.5 50.2 75.4
127 8.8 6.6 10.0



#48
Methyl methacrylate
Concen: 9.978 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 41 Resp: 31851
Ion Ratio Lower Upper
41 100
69 96.0 73.2 109.8
39 60.9 47.0 70.4





#49

1,4-Dioxane

Concen: 205.471 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

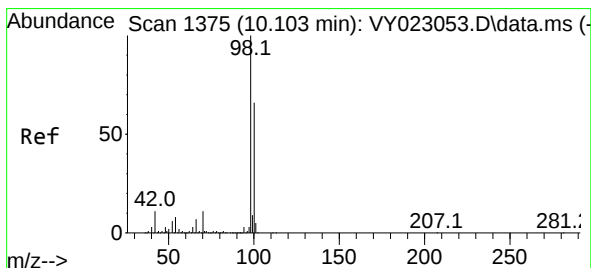
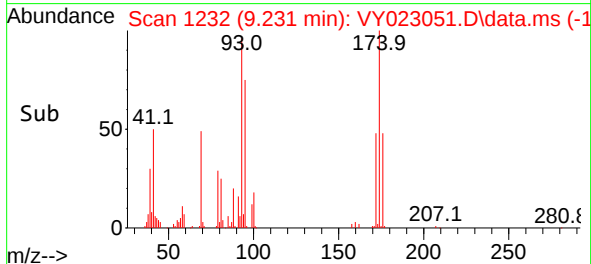
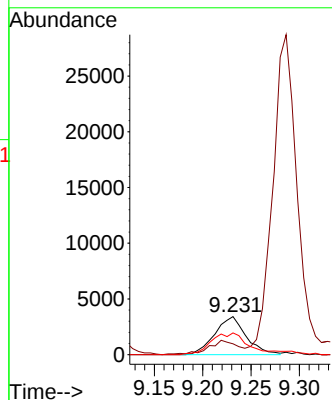
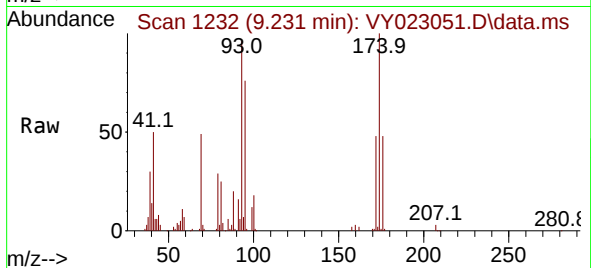
Tgt Ion: 88 Resp: 7705

Ion Ratio Lower Upper

88 100

43 35.3 24.3 36.5

58 73.3 55.4 83.0



#50

Toluene-d8

Concen: 9.903 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023051.D

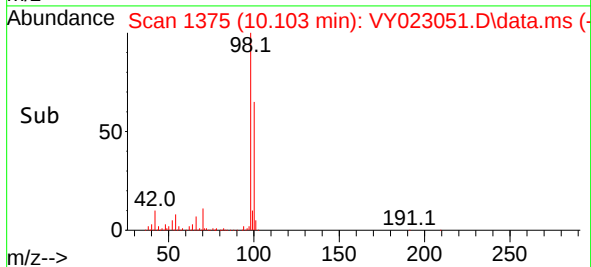
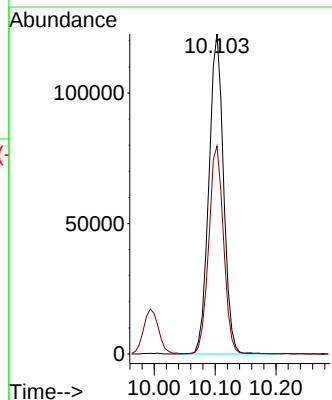
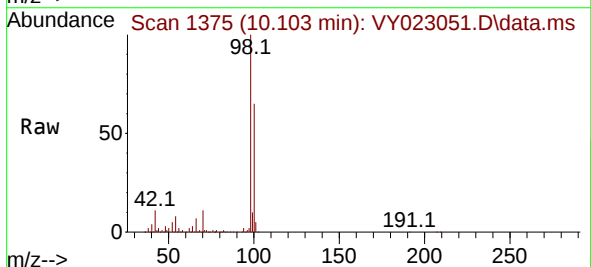
Acq: 12 Aug 2025 15:17

Tgt Ion: 98 Resp: 204532

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 51.484 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

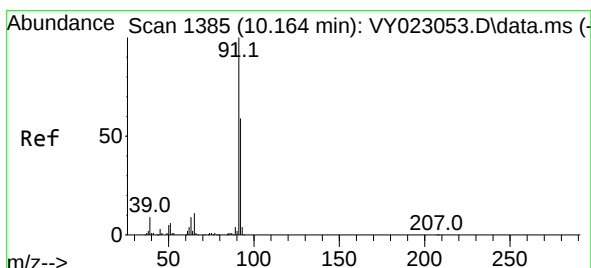
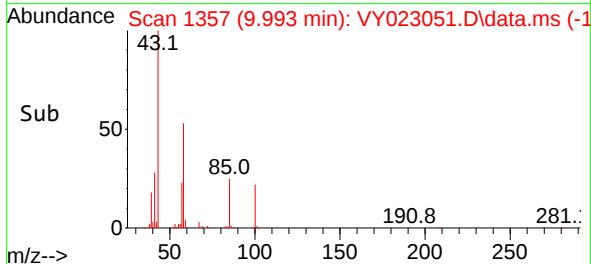
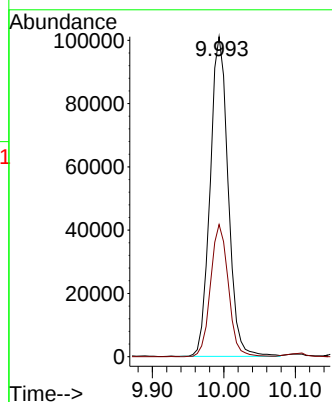
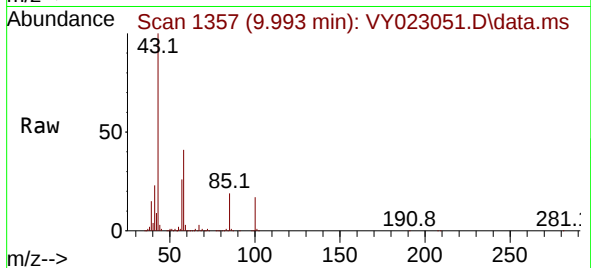
VSTDIC010

Tgt Ion: 43 Resp: 177157

Ion Ratio Lower Upper

43 100

58 40.7 33.5 50.3



#52

Toluene

Concen: 9.780 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023051.D

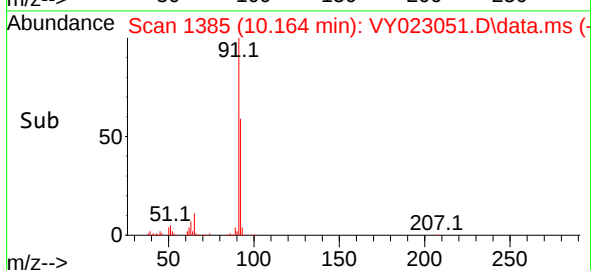
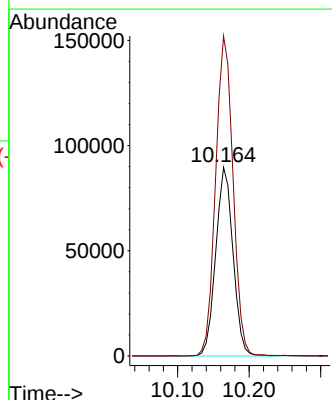
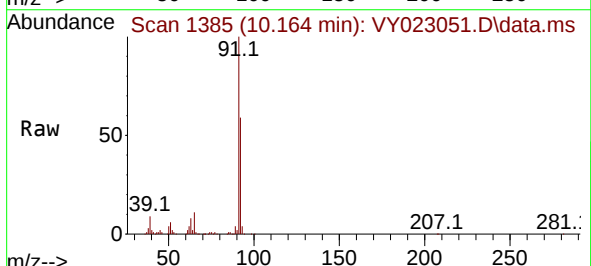
Acq: 12 Aug 2025 15:17

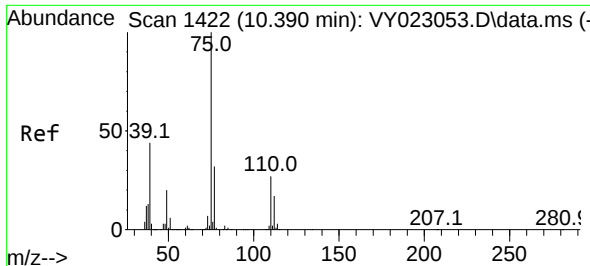
Tgt Ion: 92 Resp: 150422

Ion Ratio Lower Upper

92 100

91 171.3 136.4 204.6

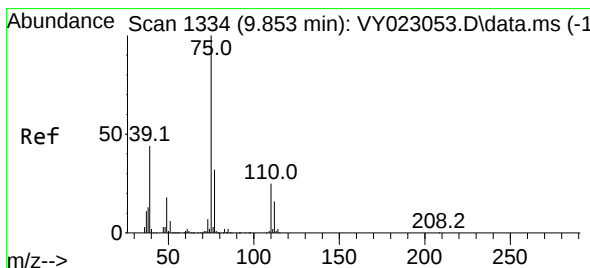
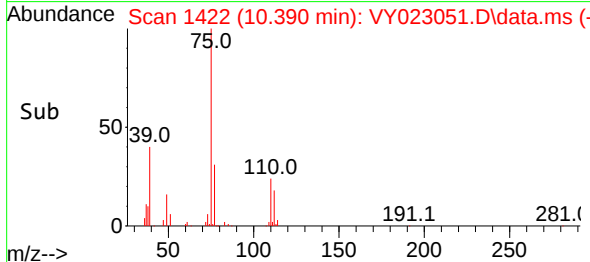
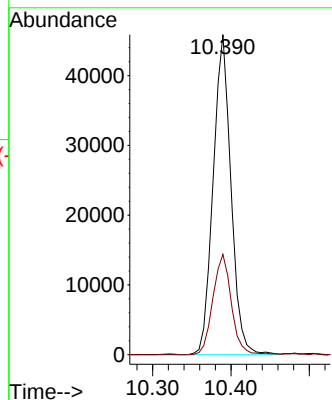
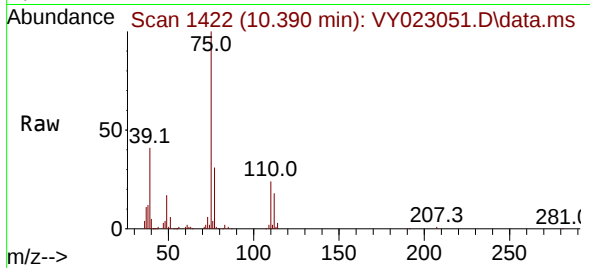




#53
 t-1,3-Dichloropropene
 Concen: 9.730 ug/l
 RT: 10.390 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

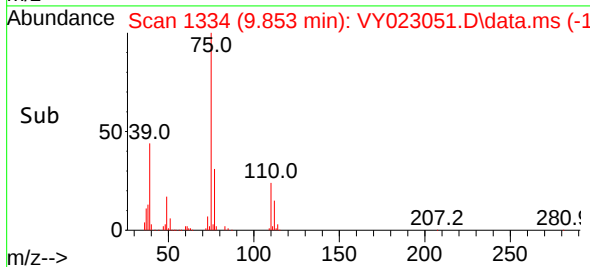
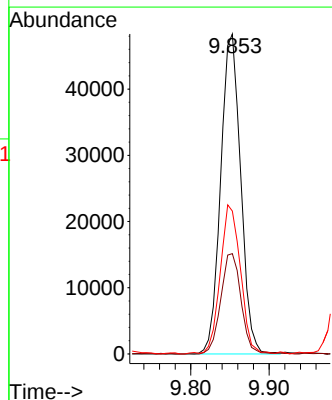
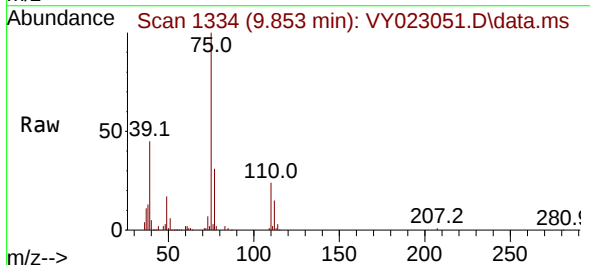
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

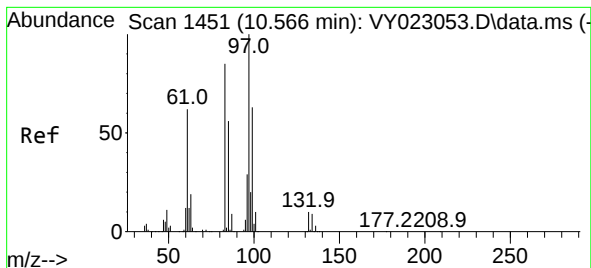
Tgt Ion: 75 Resp: 72507
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 9.753 ug/l
 RT: 9.853 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 85945
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 44.6 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 9.981 ug/l

RT: 10.566 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 42712

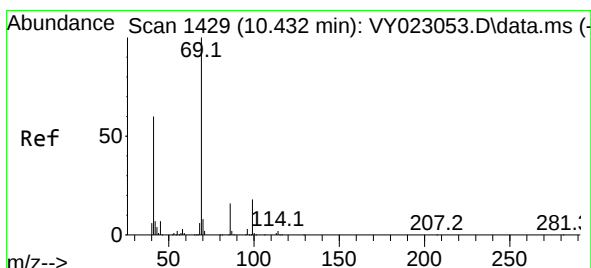
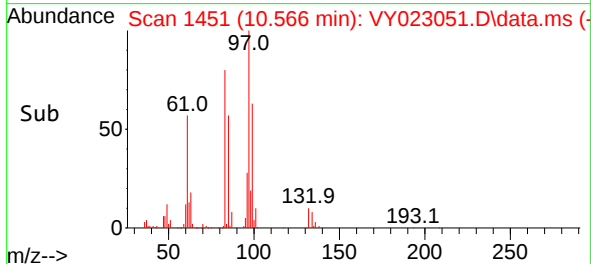
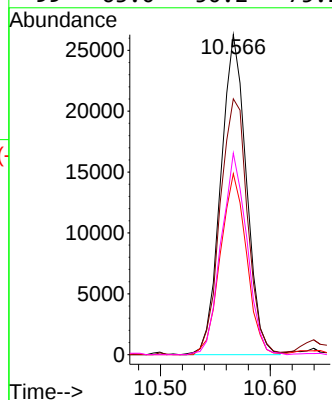
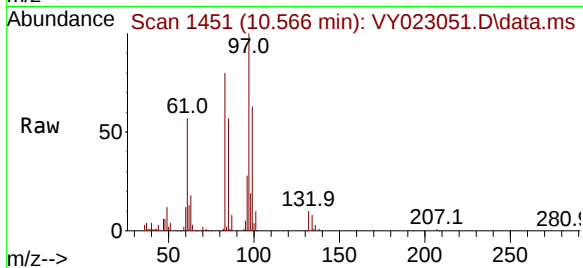
Ion Ratio Lower Upper

97 100

83 79.9 67.7 101.5

85 56.6 44.5 66.7

99 63.0 50.2 75.2



#56

Ethyl methacrylate

Concen: 9.632 ug/l

RT: 10.432 min Scan# 1429

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

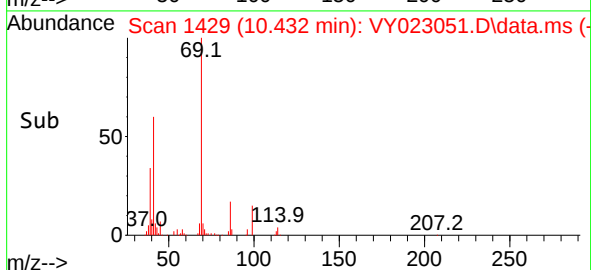
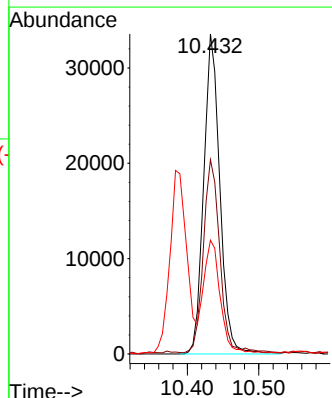
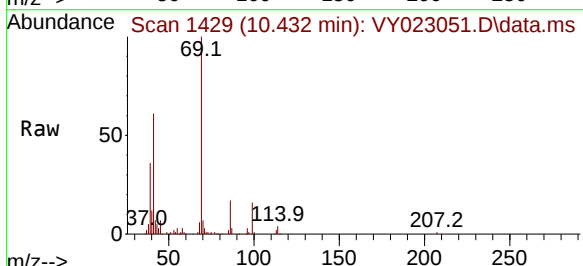
Tgt Ion: 69 Resp: 52746

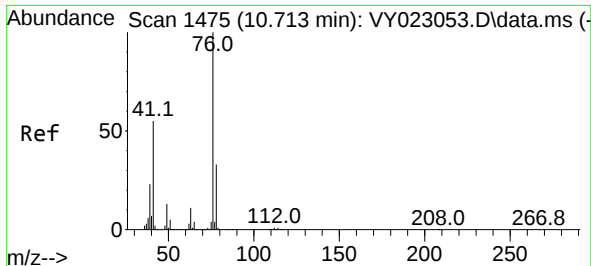
Ion Ratio Lower Upper

69 100

41 61.0 48.6 72.8

39 35.9 27.0 40.4





#57

1,3-Dichloropropane

Concen: 10.256 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

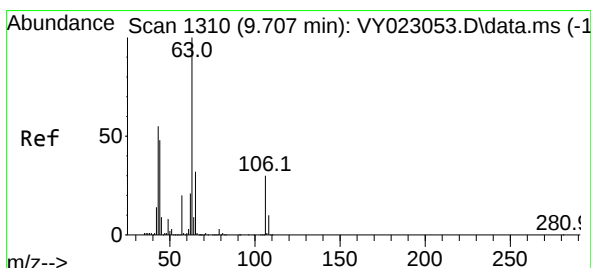
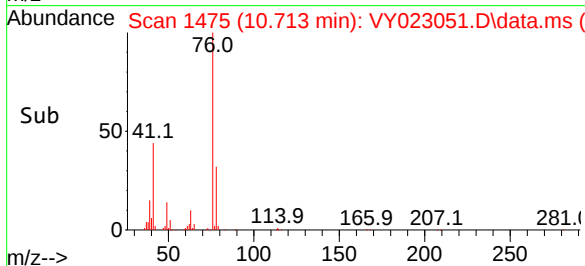
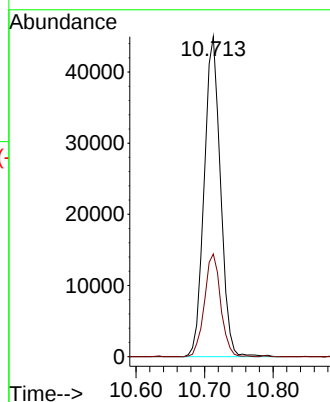
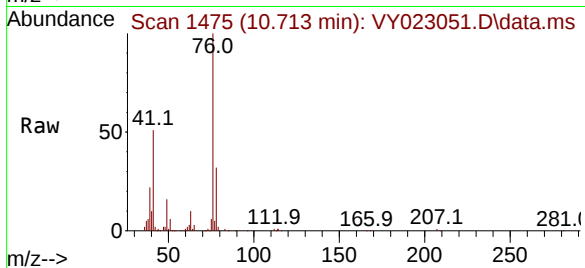
VSTDIC010

Tgt Ion: 76 Resp: 74433

Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 46.232 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023051.D

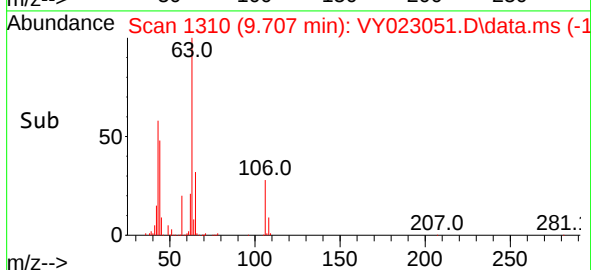
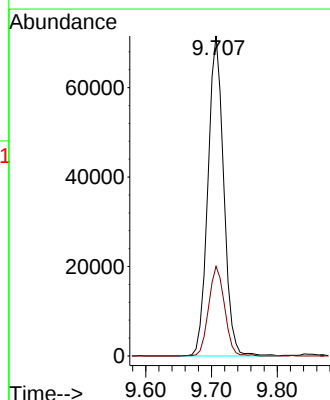
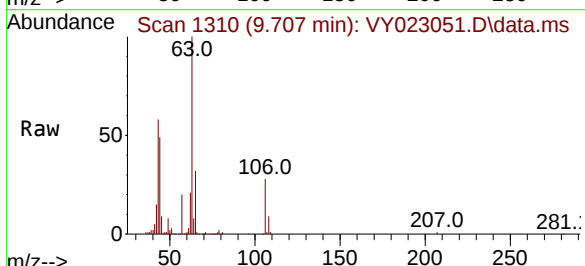
Acq: 12 Aug 2025 15:17

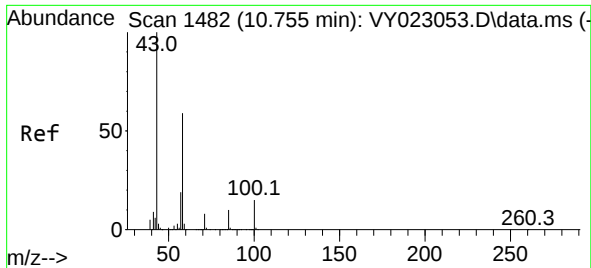
Tgt Ion: 63 Resp: 119417

Ion Ratio Lower Upper

63 100

106 28.2 23.2 34.8

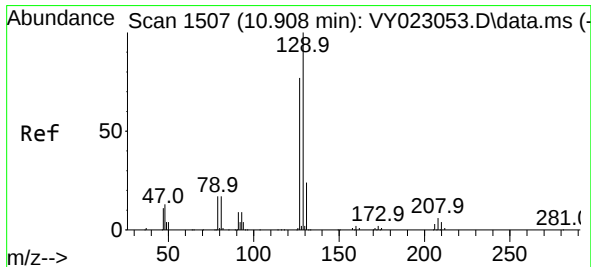
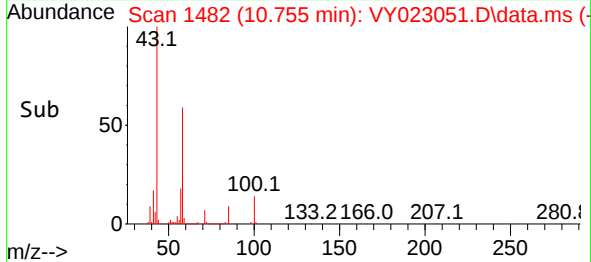
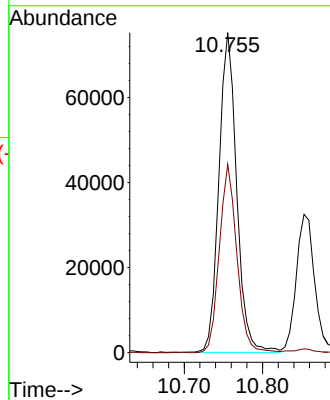
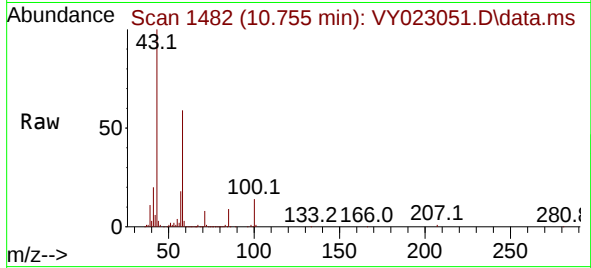




#59
2-Hexanone
Concen: 50.553 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

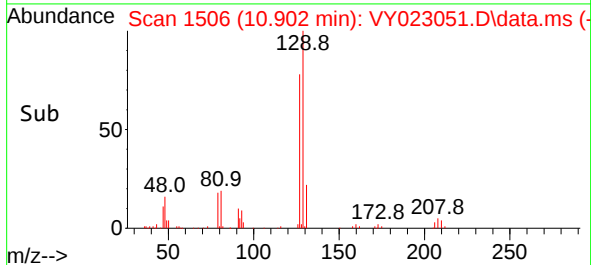
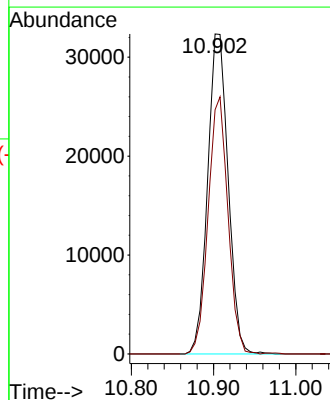
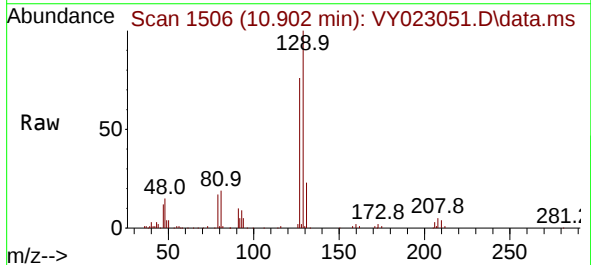
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

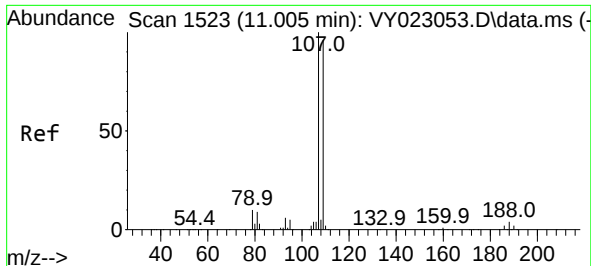
Tgt Ion: 43 Resp: 118452
Ion Ratio Lower Upper
43 100
58 58.3 29.5 88.5



#60
Dibromochloromethane
Concen: 9.925 ug/l
RT: 10.902 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 129 Resp: 56045
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

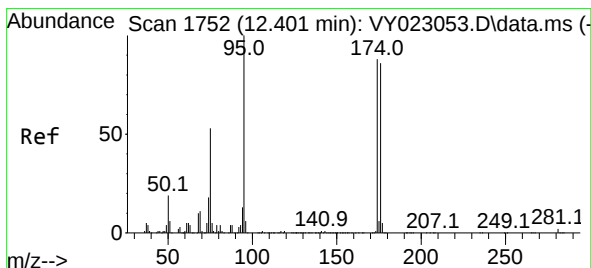
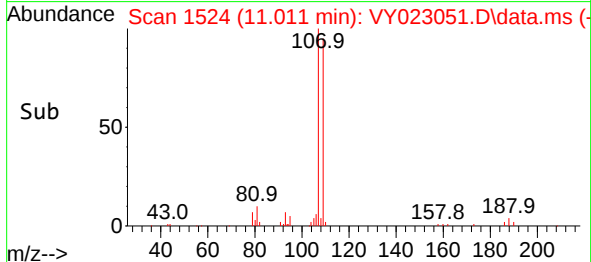
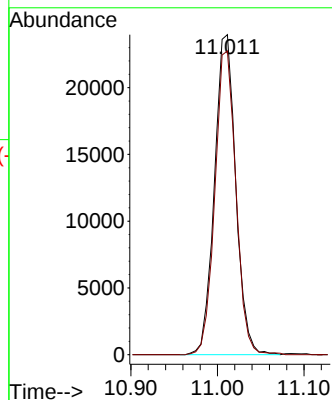
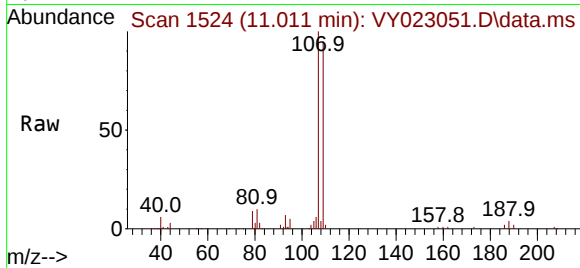




#61
1,2-Dibromoethane
Concen: 10.196 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

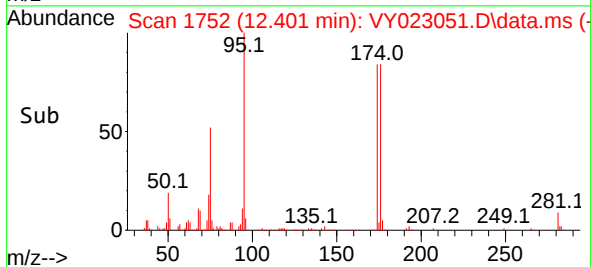
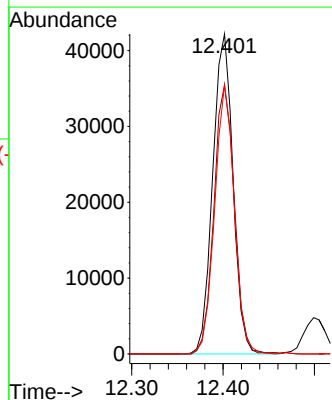
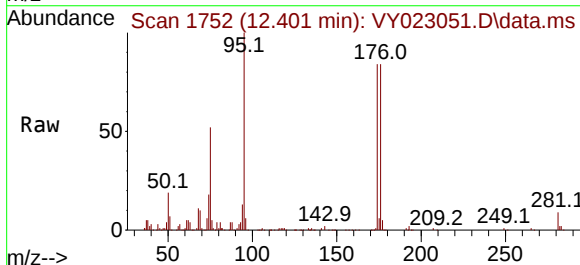
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

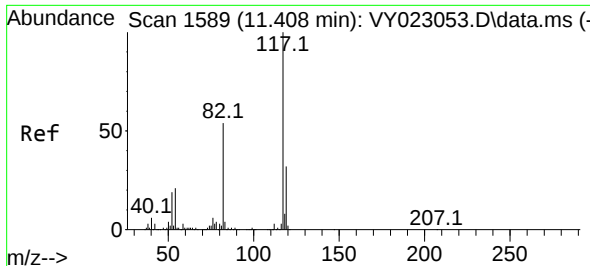
Tgt Ion:107 Resp: 41009
Ion Ratio Lower Upper
107 100
109 93.8 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 9.775 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 95 Resp: 64927
Ion Ratio Lower Upper
95 100
174 84.8 0.0 171.6
176 81.7 0.0 167.6

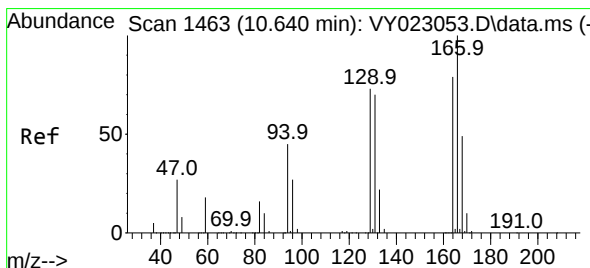
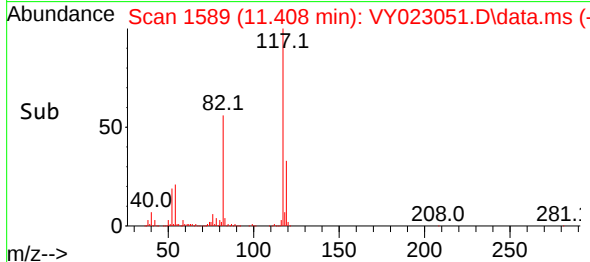
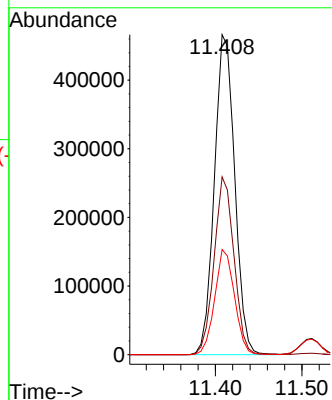
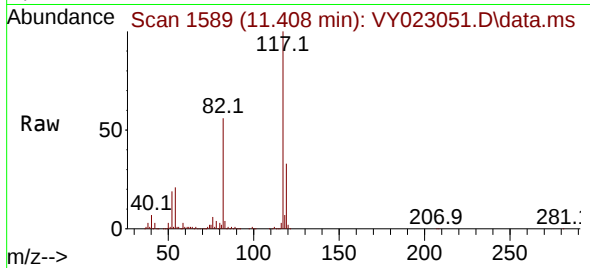




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

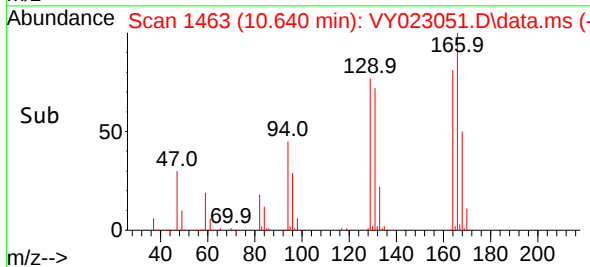
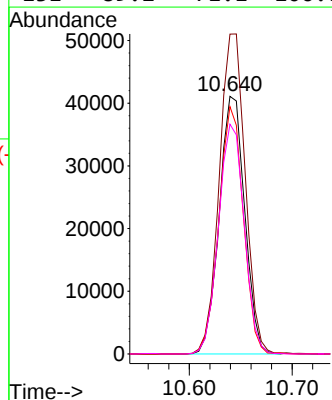
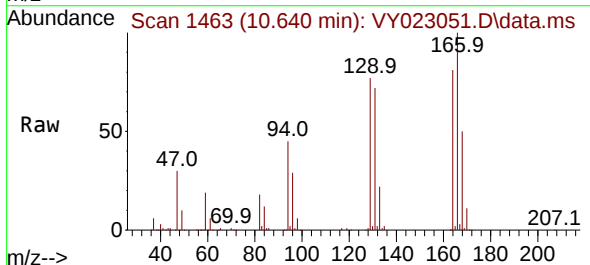
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

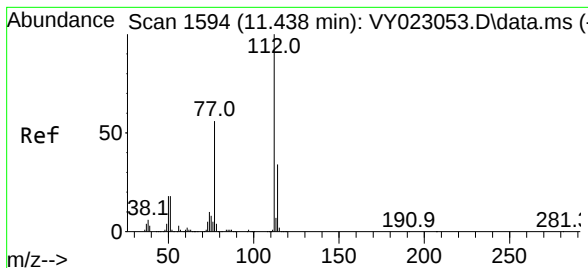
Tgt Ion:117 Resp: 761327
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 32.8 25.6 38.4



#64
Tetrachloroethene
Concen: 10.371 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:164 Resp: 70502
Ion Ratio Lower Upper
164 100
166 124.2 101.1 151.7
129 96.0 74.0 111.0
131 89.2 71.1 106.7

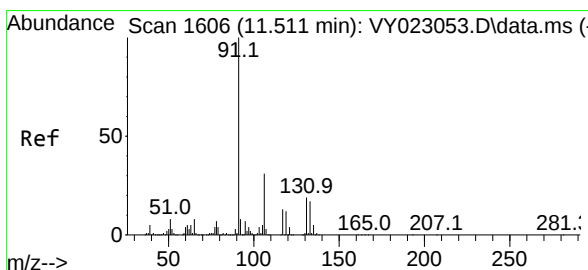
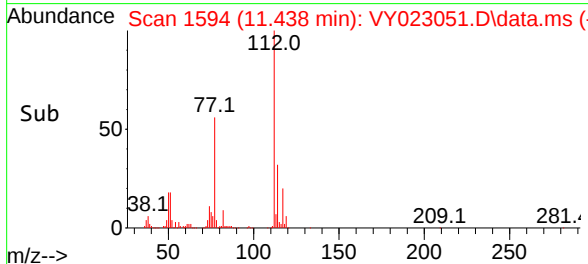
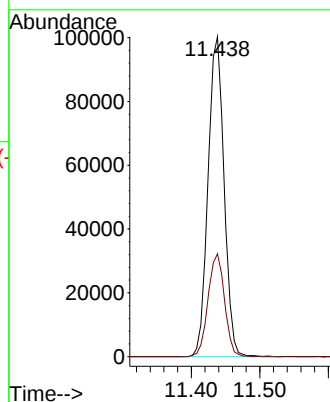
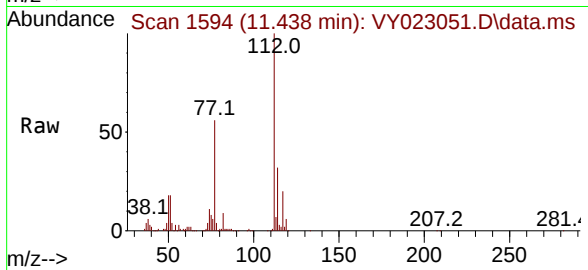




#65
Chlorobenzene
Concen: 9.925 ug/l
RT: 11.438 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

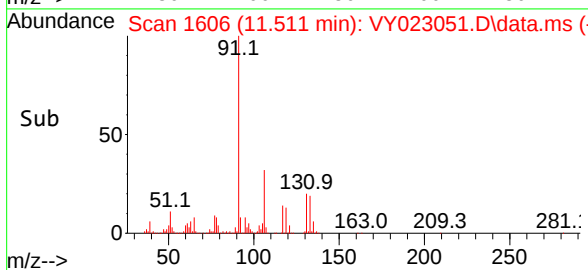
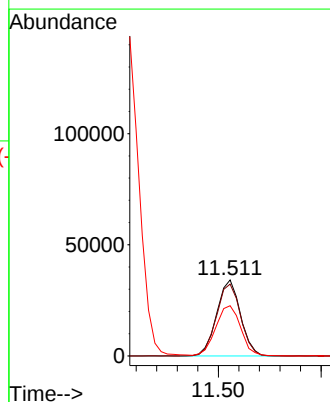
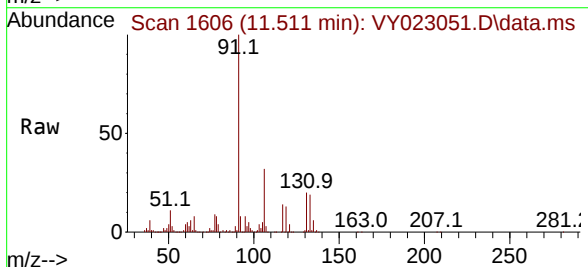
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

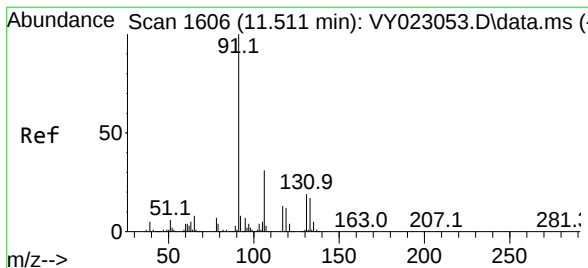
Tgt Ion:112 Resp: 162985
Ion Ratio Lower Upper
112 100
114 32.2 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 9.842 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:131 Resp: 54856
Ion Ratio Lower Upper
131 100
133 96.5 46.9 140.6
119 69.8 33.2 99.6

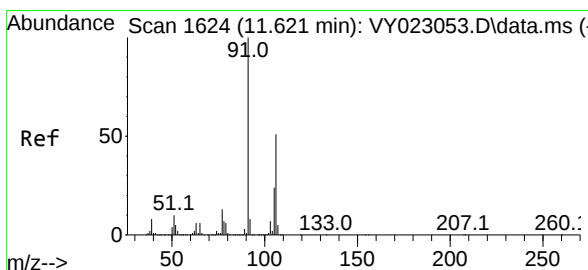
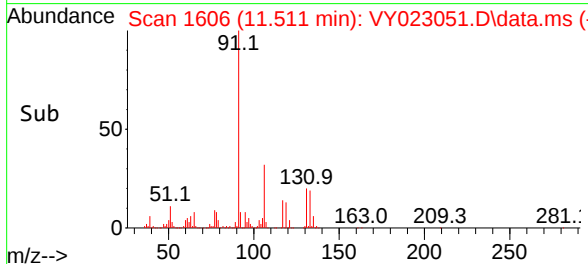
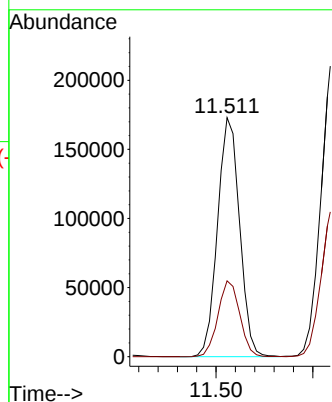
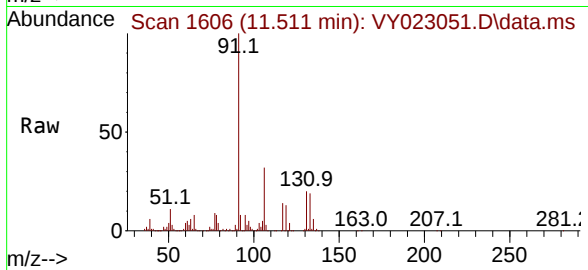




#67
Ethyl Benzene
Concen: 9.670 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

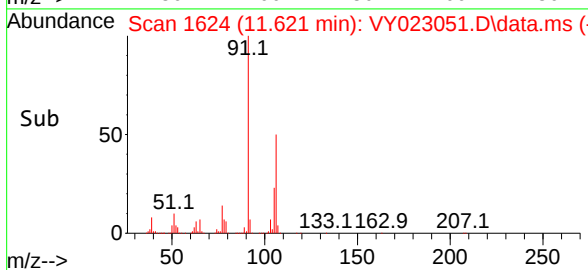
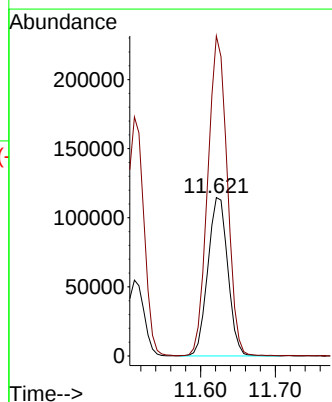
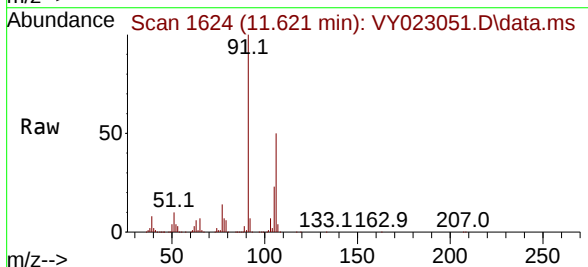
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

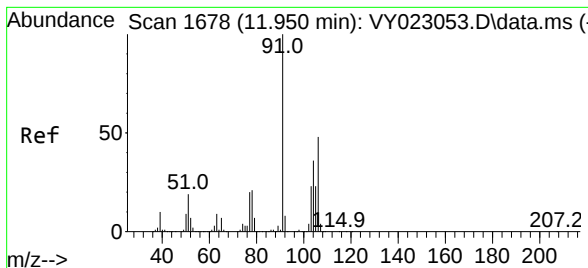
Tgt Ion: 91 Resp: 273281
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 19.277 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 106 Resp: 212766
Ion Ratio Lower Upper
106 100
91 196.5 158.6 238.0

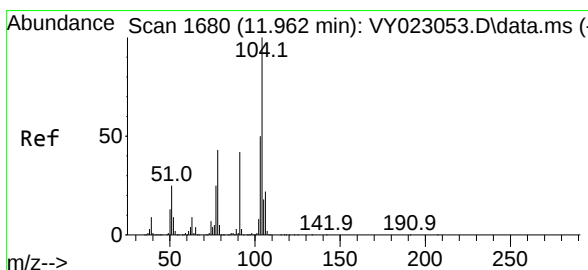
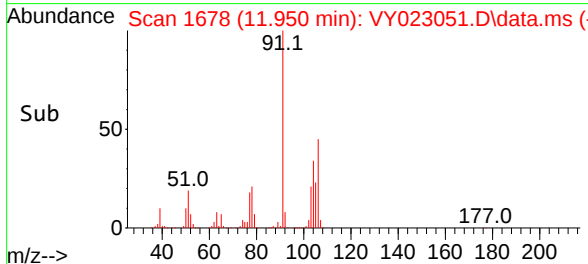
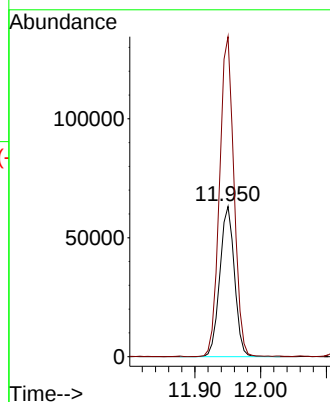
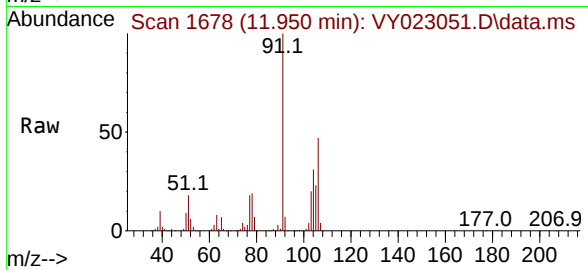




#69
o-Xylene
Concen: 9.465 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

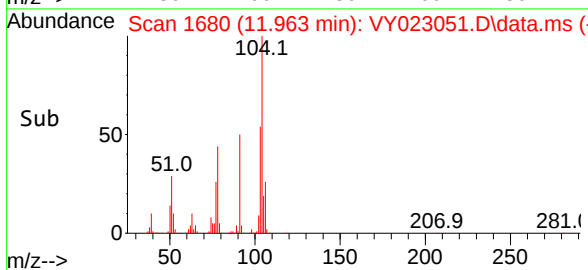
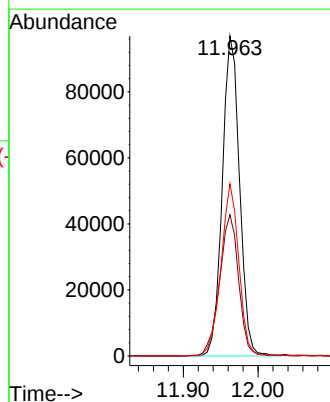
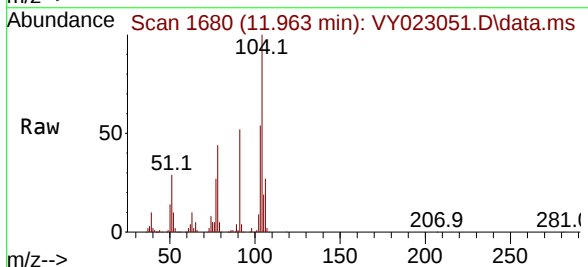
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

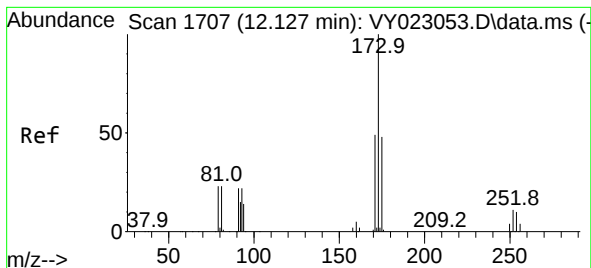
Tgt Ion:106 Resp: 97841
Ion Ratio Lower Upper
106 100
91 210.2 103.2 309.4



#70
Styrene
Concen: 9.216 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion:104 Resp: 155809
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 55.6 43.7 65.5





#71

Bromoform

Concen: 9.968 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

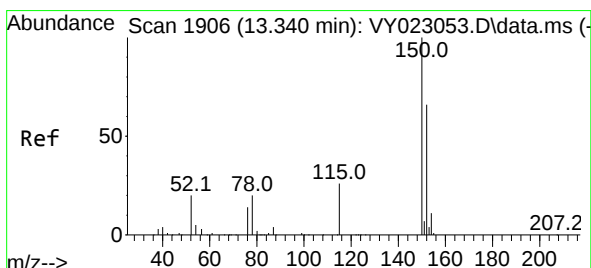
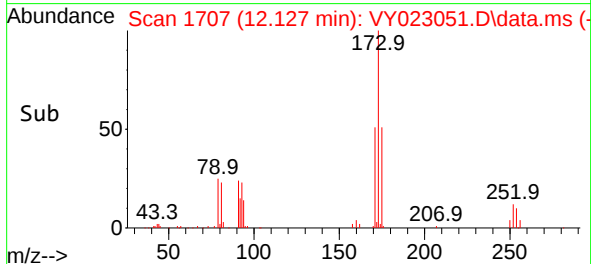
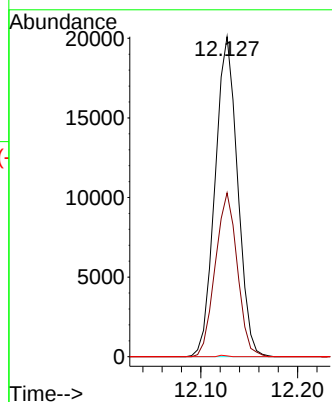
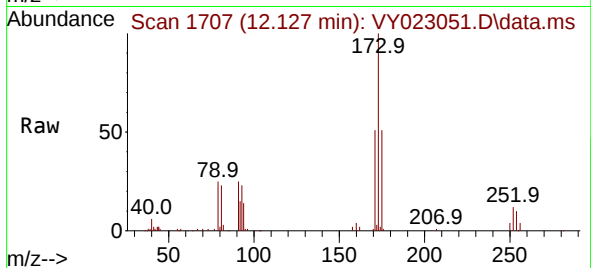
Tgt Ion:173 Resp: 32470

Ion Ratio Lower Upper

173 100

175 50.0 23.9 71.7

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

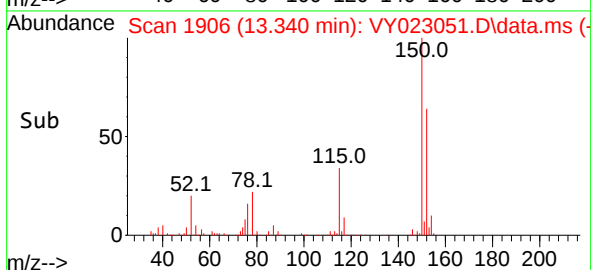
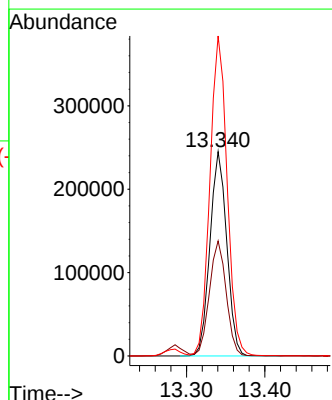
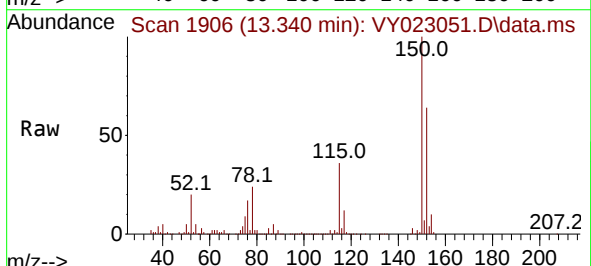
Tgt Ion:152 Resp: 365647

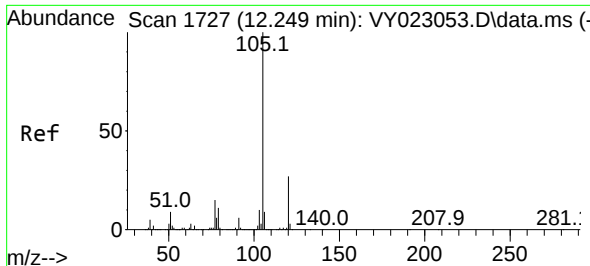
Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 159.7 0.0 348.0

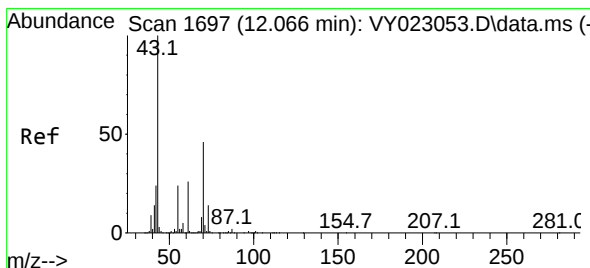
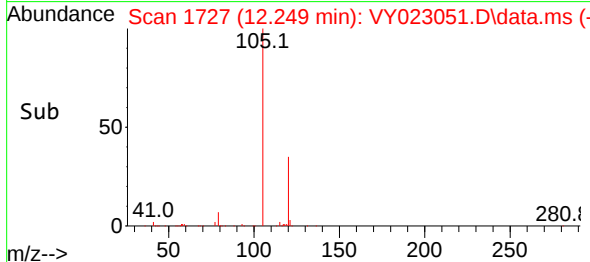
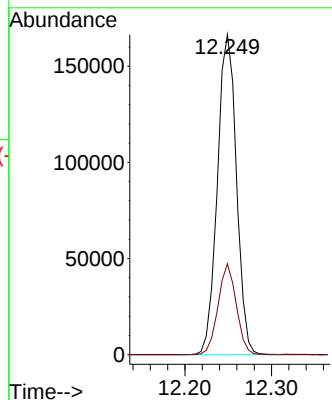
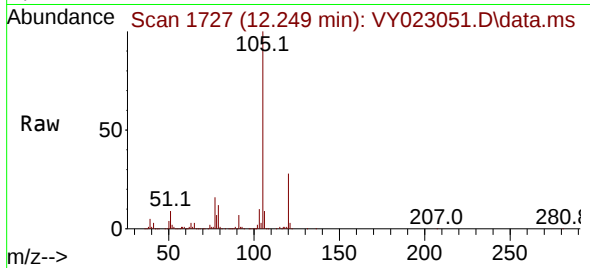




#73
Isopropylbenzene
Concen: 9.871 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

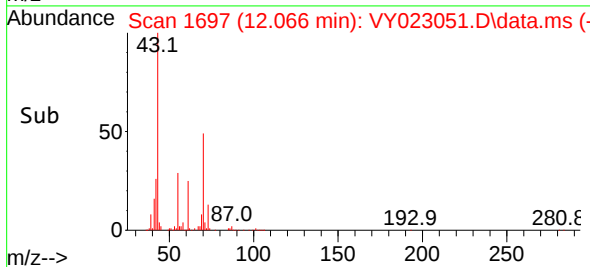
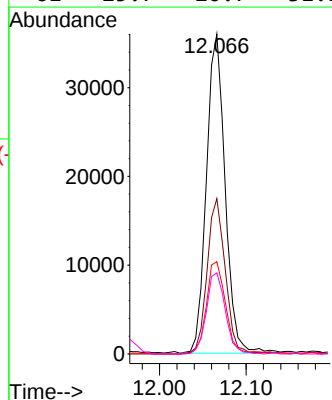
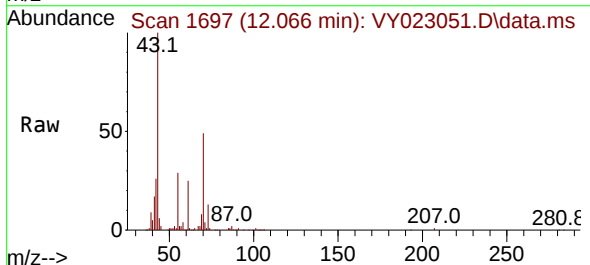
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

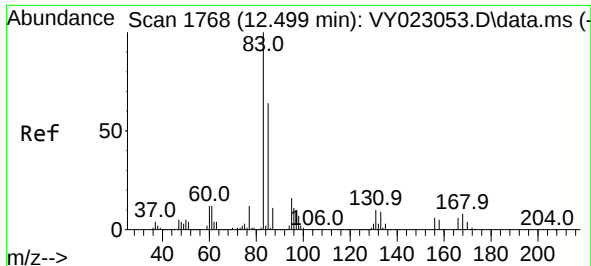
Tgt Ion:105 Resp: 254745
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2



#74
N-ethyl acetate
Concen: 9.857 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 43 Resp: 53943
Ion Ratio Lower Upper
43 100
70 47.0 37.5 56.3
55 30.2 20.7 31.1
61 25.7 20.7 31.1

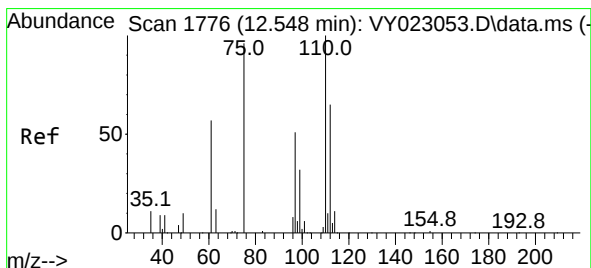
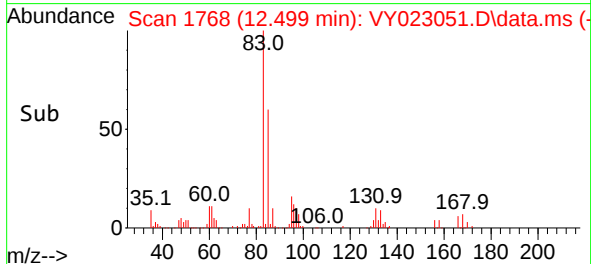
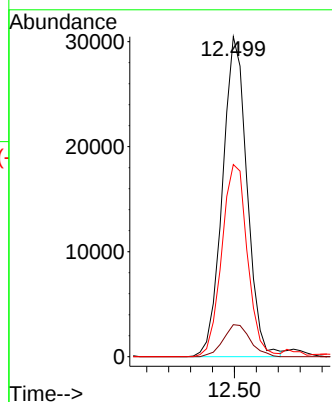
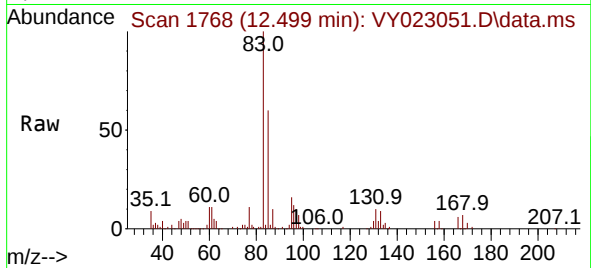




#75
 1,1,2-Tetrachloroethane
 Concen: 10.735 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

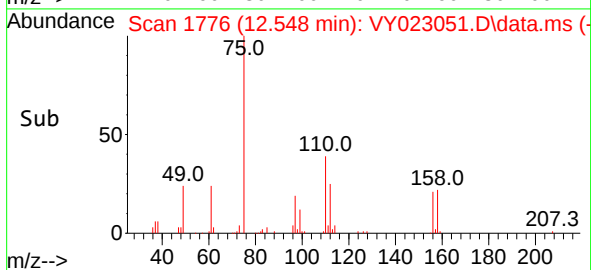
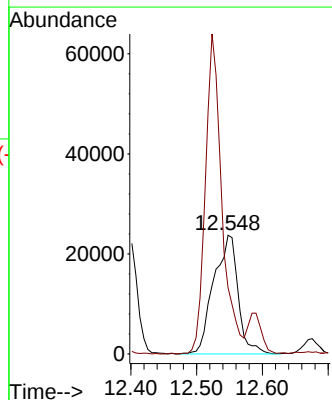
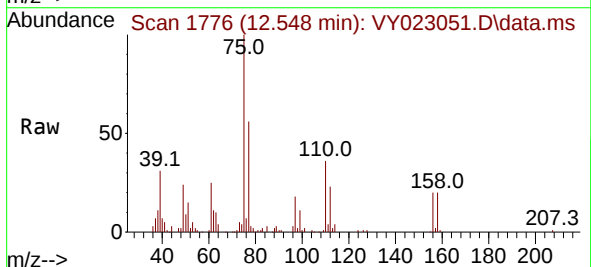
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

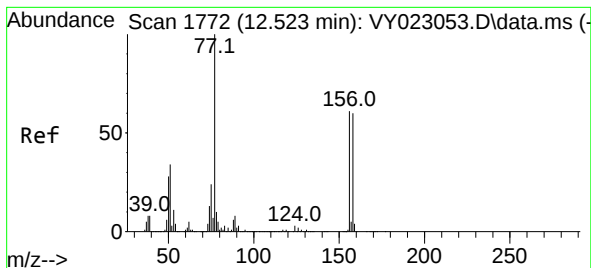
Tgt Ion: 83 Resp: 47304
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.1 15.3
 85 62.9 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 17.357 ug/l
 RT: 12.548 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: VY023051.D
 Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 61290
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 9.864 ug/l

RT: 12.523 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

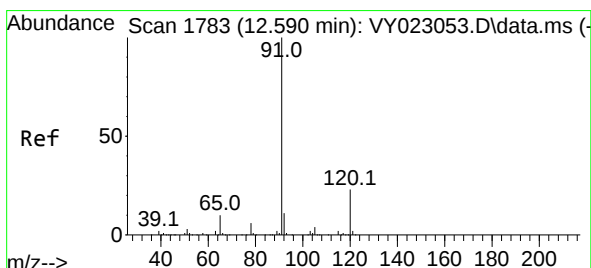
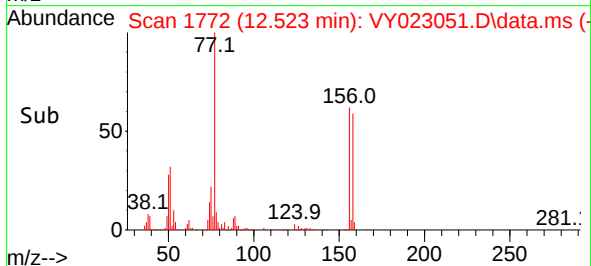
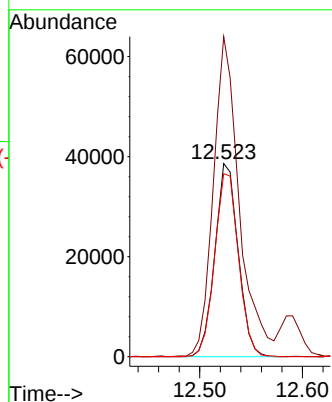
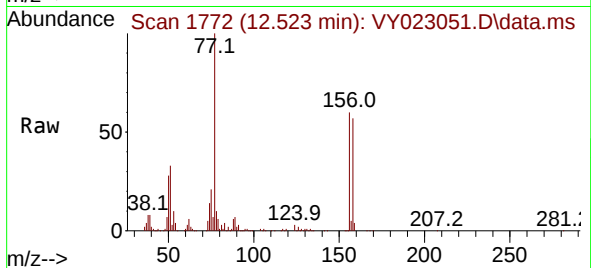
Tgt Ion:156 Resp: 60728

Ion Ratio Lower Upper

156 100

77 184.8 88.1 264.4

158 97.2 48.0 144.0



#78

n-propylbenzene

Concen: 9.876 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023051.D

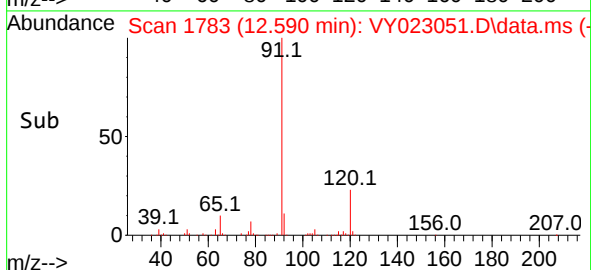
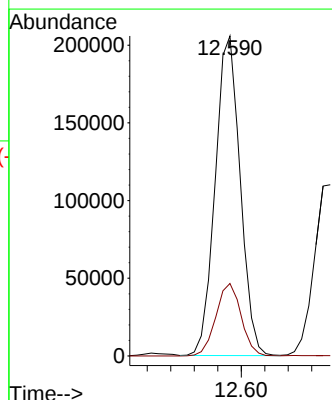
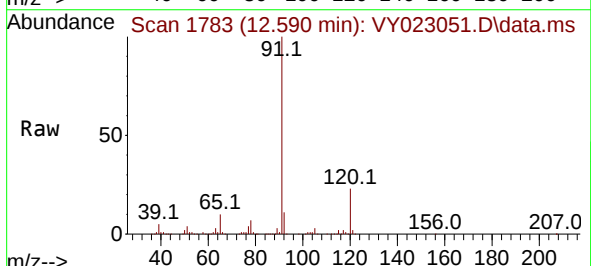
Acq: 12 Aug 2025 15:17

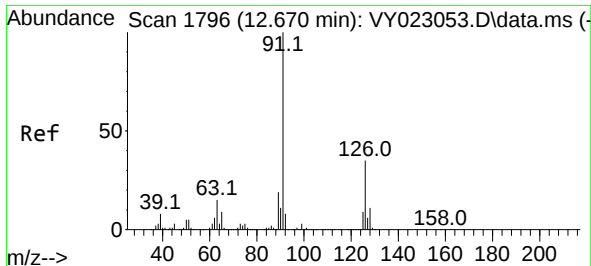
Tgt Ion: 91 Resp: 303440

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5

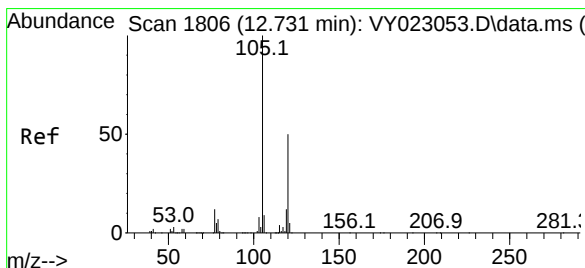
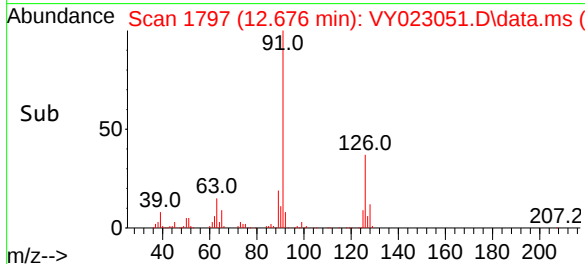
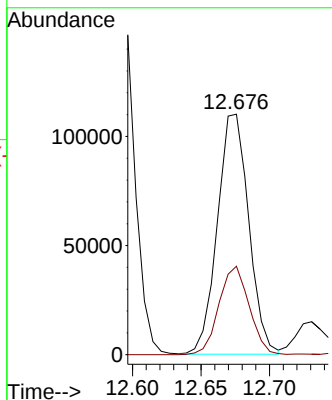
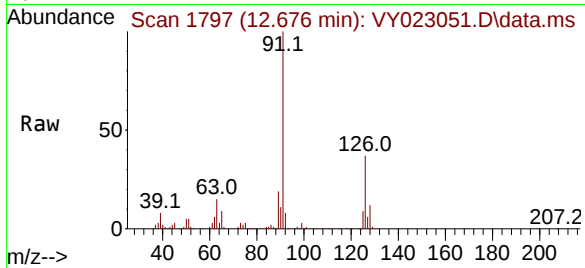




#79
2-Chlorotoluene
Concen: 9.962 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

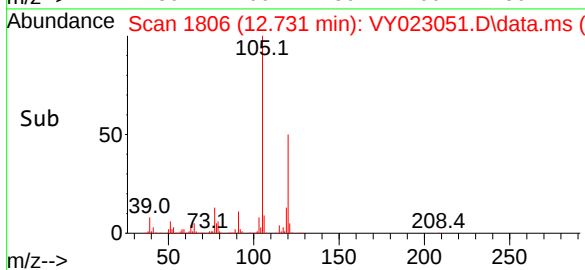
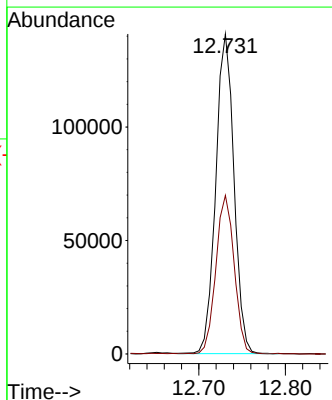
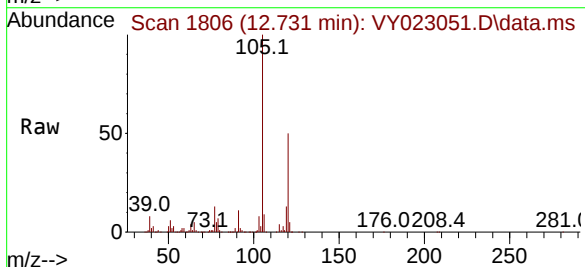
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

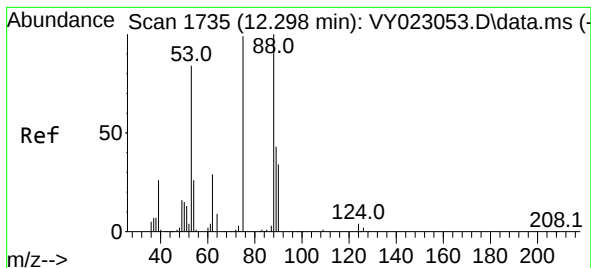
Tgt Ion: 91 Resp: 175364
Ion Ratio Lower Upper
91 100
126 35.6 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 9.855 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 105 Resp: 205544
Ion Ratio Lower Upper
105 100
120 49.8 24.8 74.4

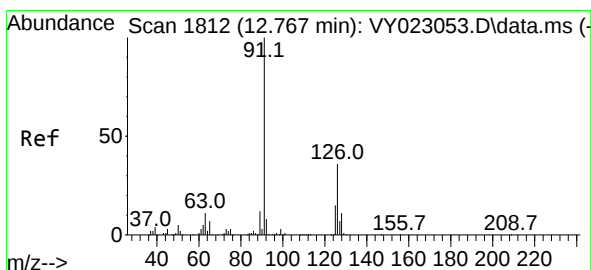
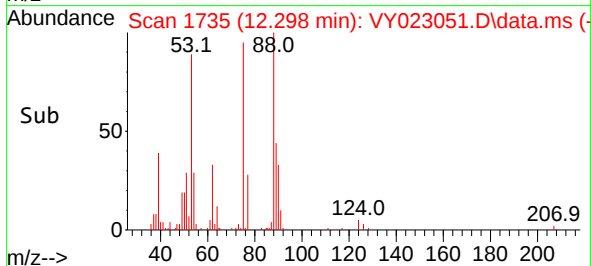
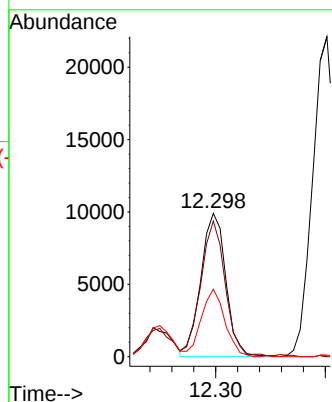
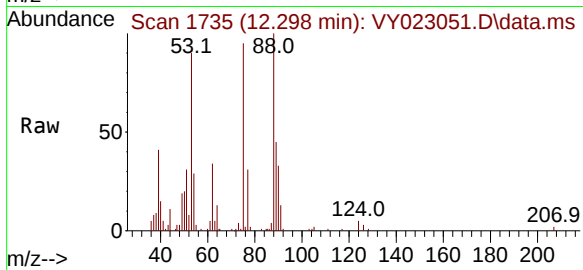




#81
trans-1,4-Dichloro-2-butene
Concen: 10.780 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

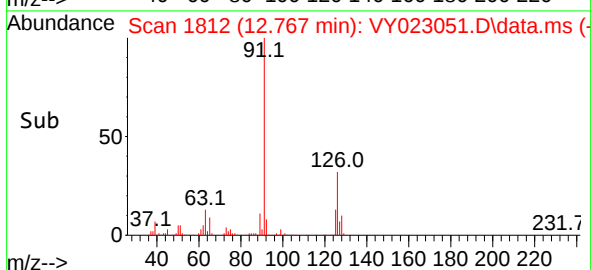
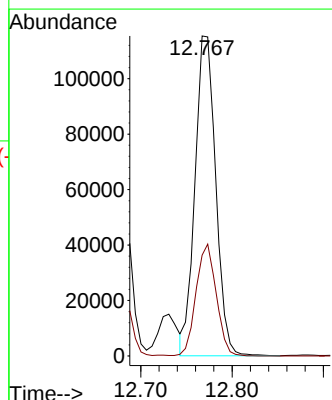
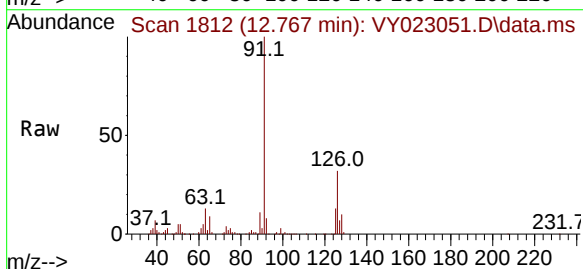
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

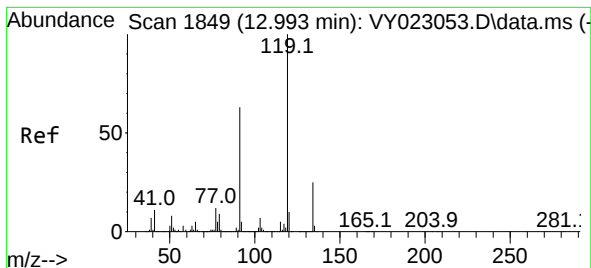
Tgt Ion: 75 Resp: 15715
Ion Ratio Lower Upper
75 100
53 91.4 70.8 106.2
89 44.0 38.1 57.1



#82
4-Chlorotoluene
Concen: 9.956 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 91 Resp: 181812
Ion Ratio Lower Upper
91 100
126 34.1 17.3 52.0





#83

tert-Butylbenzene

Concen: 9.630 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

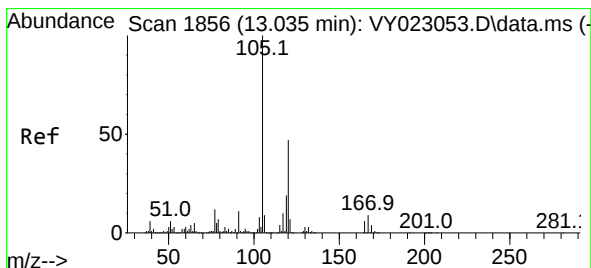
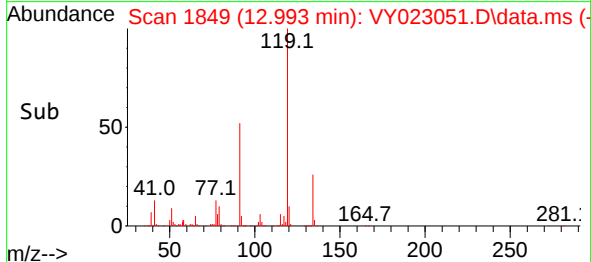
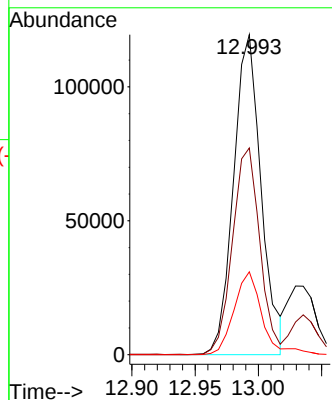
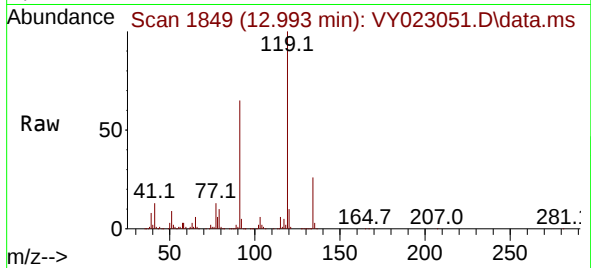
Tgt Ion:119 Resp: 181408

Ion Ratio Lower Upper

119 100

91 63.9 31.6 94.8

134 26.4 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 9.720 ug/l

RT: 13.035 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY023051.D

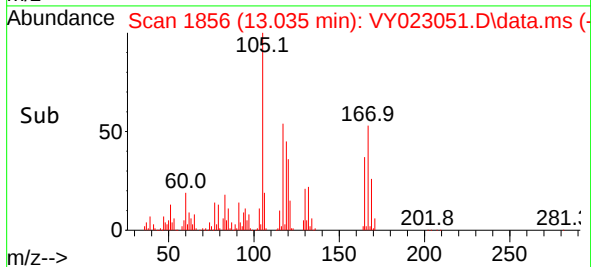
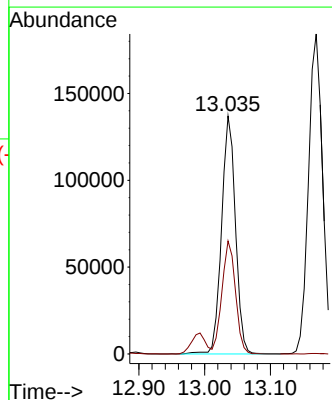
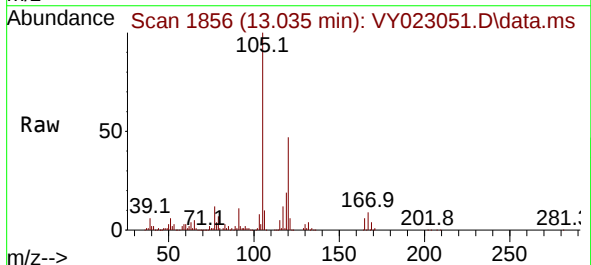
Acq: 12 Aug 2025 15:17

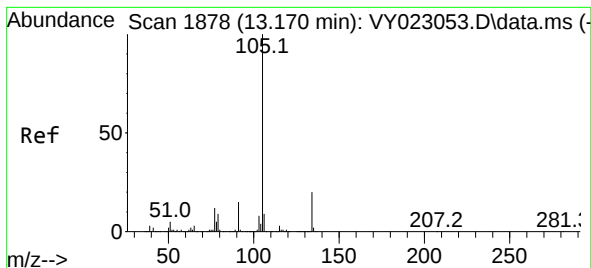
Tgt Ion:105 Resp: 201812

Ion Ratio Lower Upper

105 100

120 46.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 9.908 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

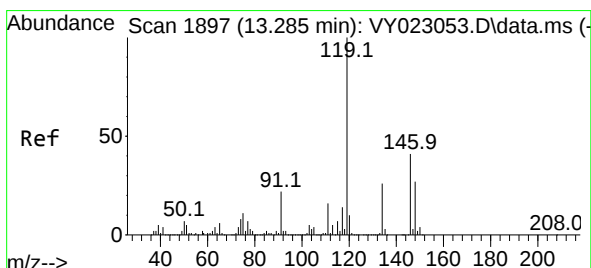
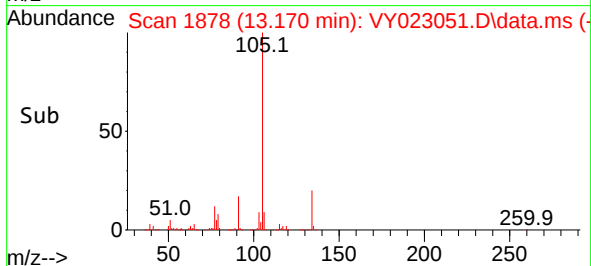
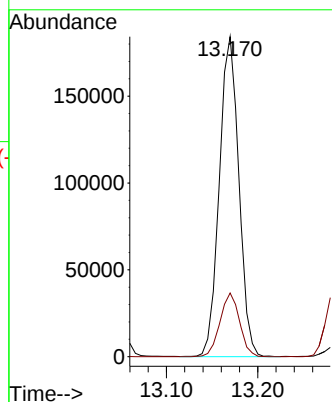
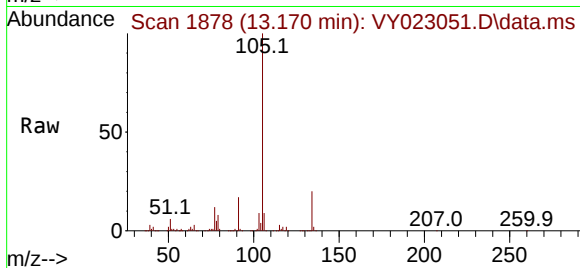
VSTDIC010

Tgt Ion:105 Resp: 274178

Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.4



#86

p-Isopropyltoluene

Concen: 9.482 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

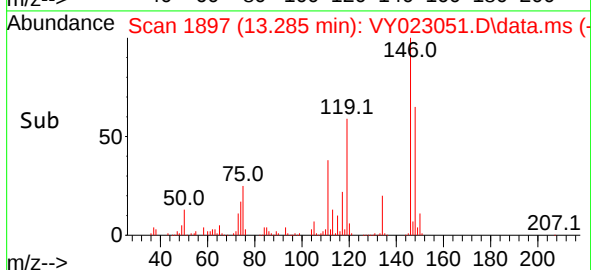
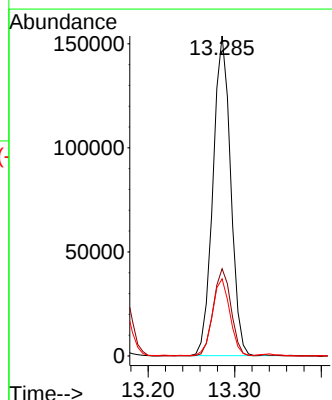
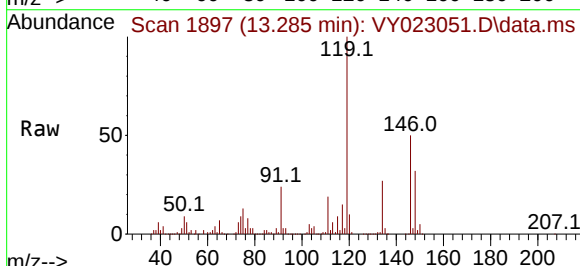
Tgt Ion:119 Resp: 217799

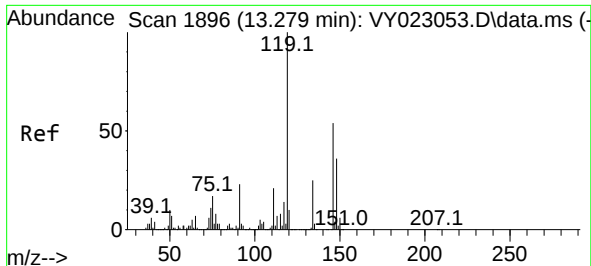
Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.6

91 23.9 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 9.893 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

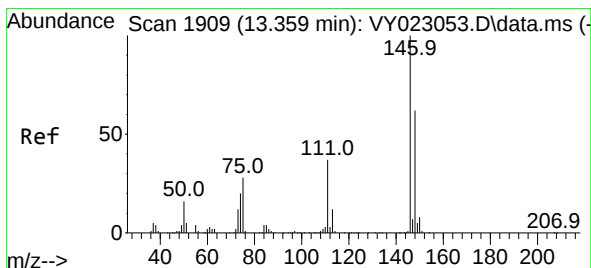
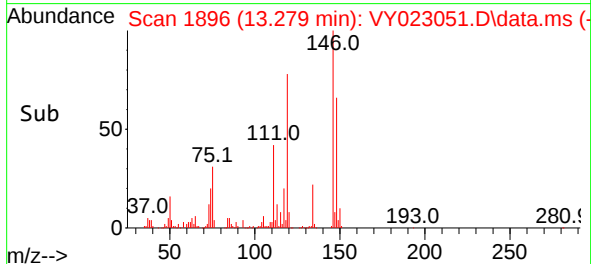
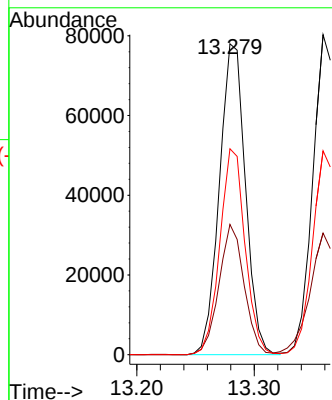
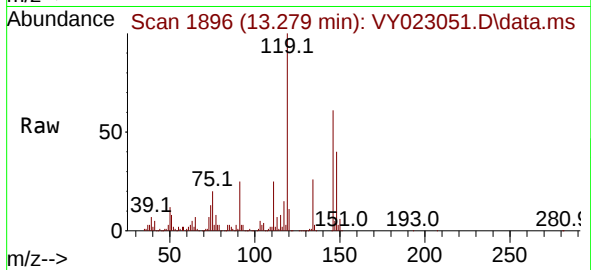
Tgt Ion:146 Resp: 120109

Ion Ratio Lower Upper

146 100

111 40.6 19.6 58.7

148 64.3 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 10.060 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

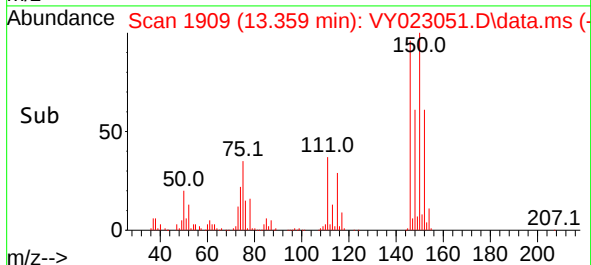
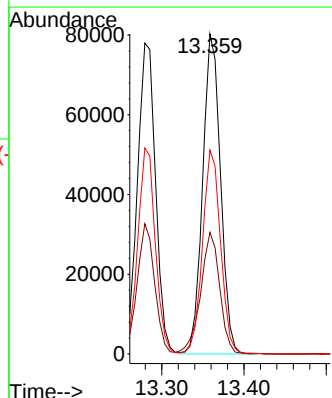
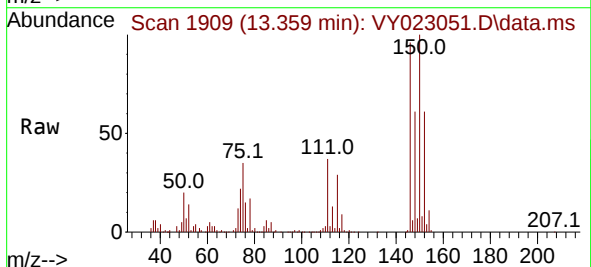
Tgt Ion:146 Resp: 121160

Ion Ratio Lower Upper

146 100

111 40.7 19.1 57.1

148 64.3 31.6 94.7





#89

n-Butylbenzene

Concen: 9.737 ug/l

RT: 13.609 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

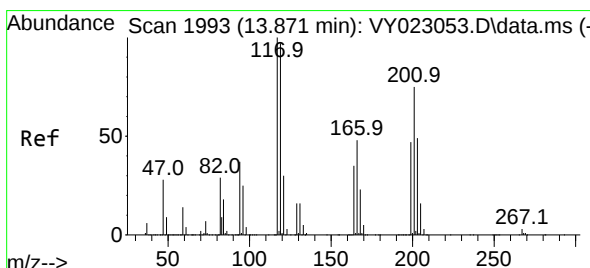
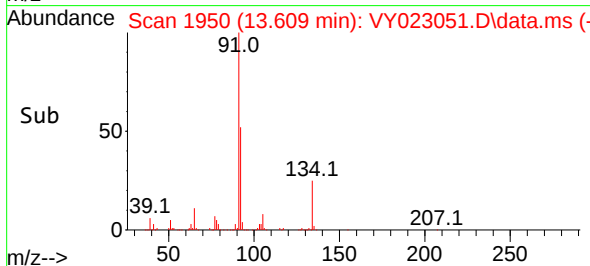
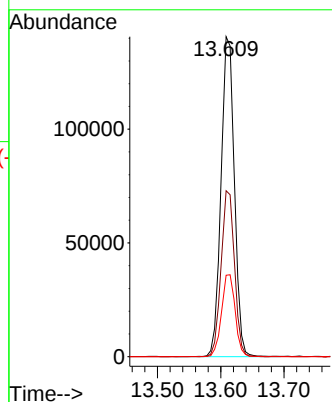
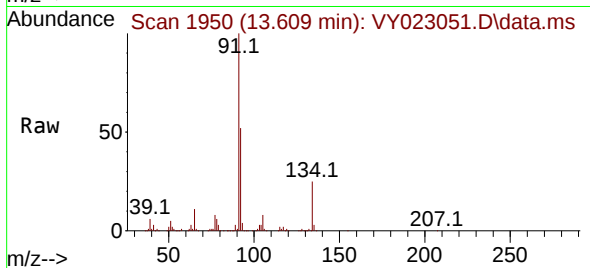
Tgt Ion: 91 Resp: 205420

Ion Ratio Lower Upper

91 100

92 52.1 26.9 80.7

134 26.1 13.2 39.5



#90

Hexachloroethane

Concen: 10.071 ug/l

RT: 13.871 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY023051.D

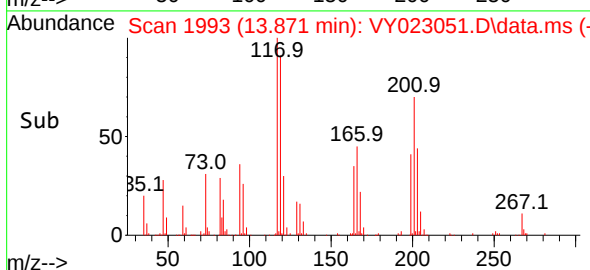
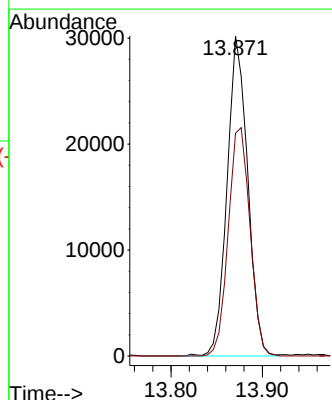
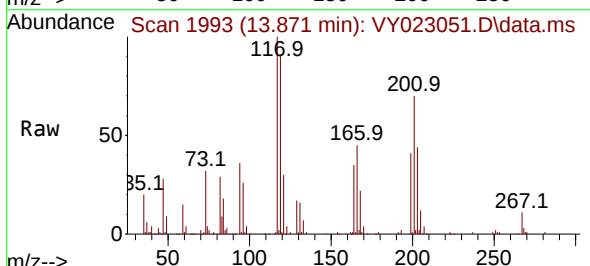
Acq: 12 Aug 2025 15:17

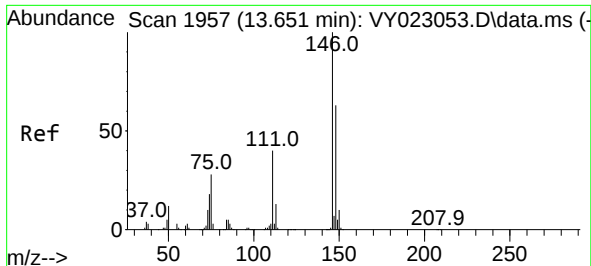
Tgt Ion: 117 Resp: 47353

Ion Ratio Lower Upper

117 100

201 75.3 38.4 115.1

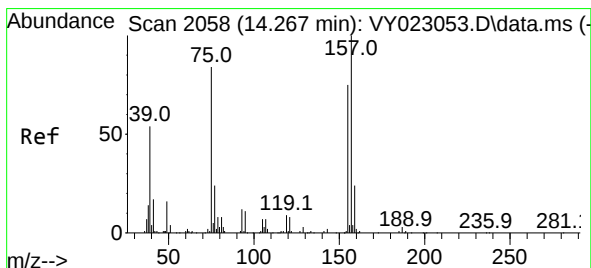
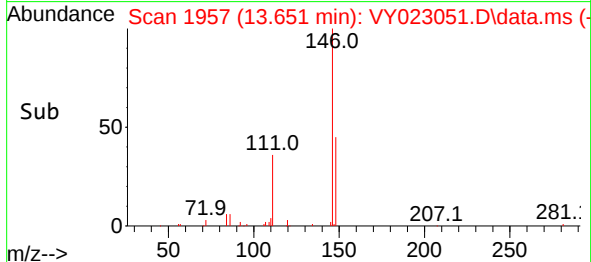
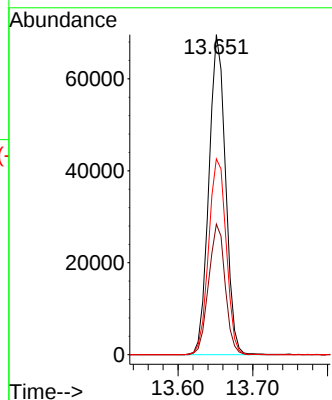
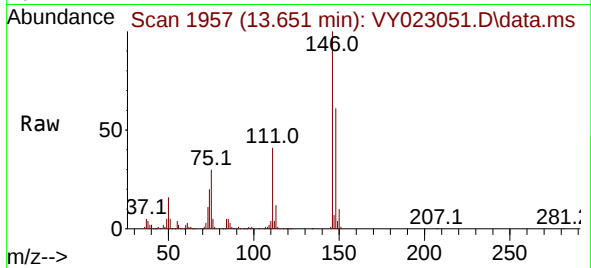




#91
1,2-Dichlorobenzene
Concen: 10.110 ug/l
RT: 13.651 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

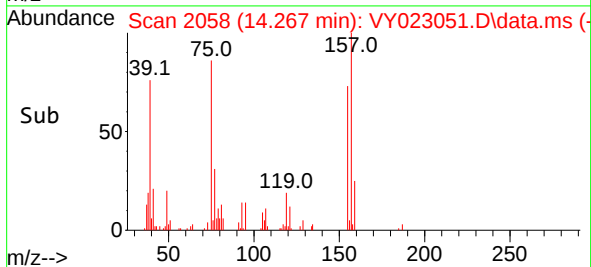
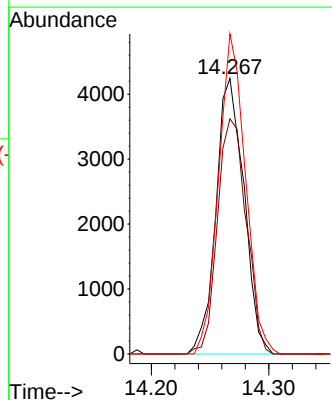
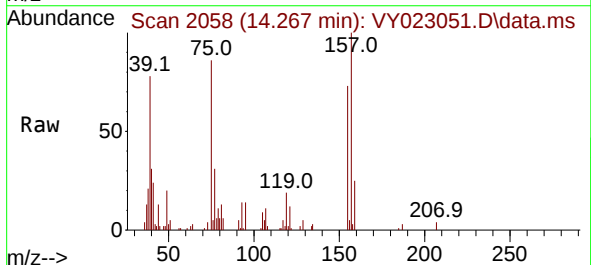
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

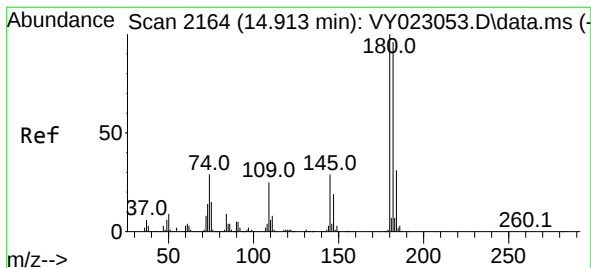
Tgt Ion:146 Resp: 107656
Ion Ratio Lower Upper
146 100
111 40.5 20.3 60.8
148 64.5 32.2 96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.250 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY023051.D
Acq: 12 Aug 2025 15:17

Tgt Ion: 75 Resp: 7032
Ion Ratio Lower Upper
75 100
155 87.6 43.9 131.6
157 111.5 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 9.739 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

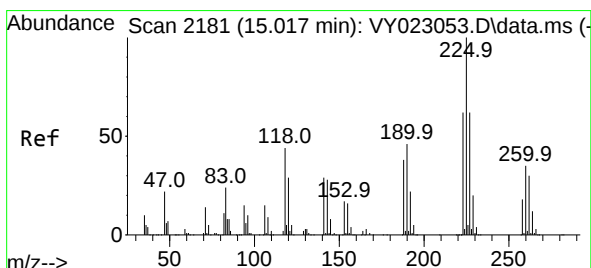
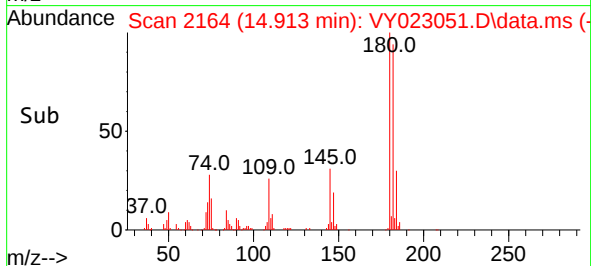
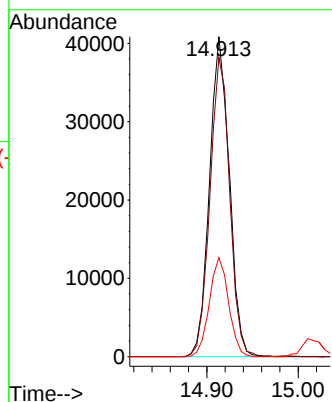
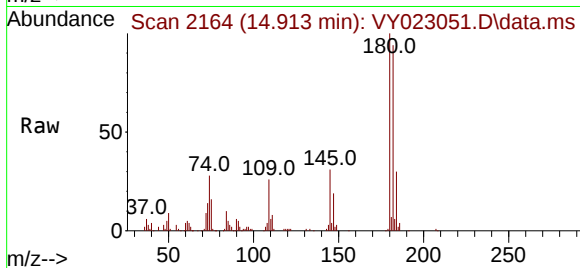
Tgt Ion:180 Resp: 61323

Ion Ratio Lower Upper

180 100

182 93.2 46.8 140.4

145 30.2 14.4 43.4



#94

Hexachlorobutadiene

Concen: 10.003 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

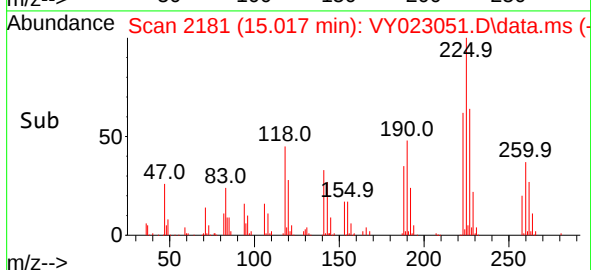
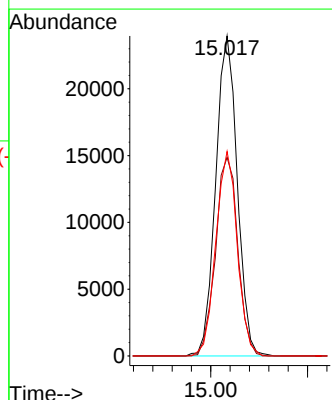
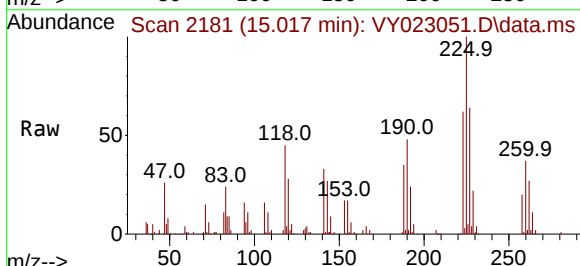
Tgt Ion:225 Resp: 37011

Ion Ratio Lower Upper

225 100

223 64.1 31.3 93.8

227 63.5 31.5 94.5





#95

Naphthalene

Concen: 9.293 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

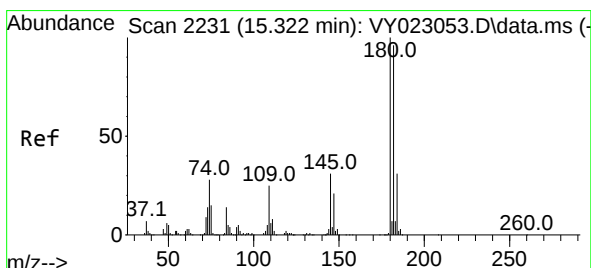
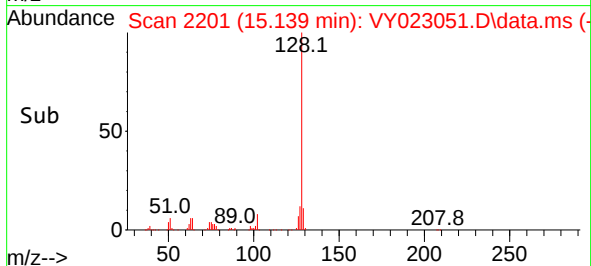
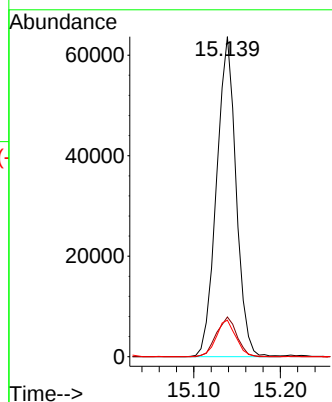
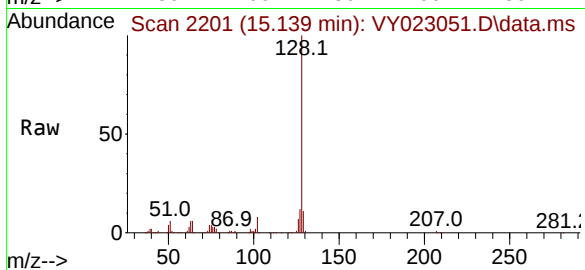
Tgt Ion:128 Resp: 99780

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.6 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 9.883 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023051.D

Acq: 12 Aug 2025 15:17

Tgt Ion:180 Resp: 53626

Ion Ratio Lower Upper

180 100

182 91.9 47.9 143.7

145 30.2 15.9 47.7

