

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081225\
 Data File : VY023053.D
 Acq On : 12 Aug 2025 16:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 13 01:53:26 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	7.707	168	539282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	856556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	751969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	377839	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	249044	48.455	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.900%
35) Dibromofluoromethane	7.628	113	251193	49.010	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.020%
50) Toluene-d8	10.103	98	979082	48.899	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.800%
62) 4-Bromofluorobenzene	12.401	95	316770	49.194	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.380%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	187863	42.677	ug/l	100
3) Chloromethane	2.068	50	327481	45.932	ug/l	100
4) Vinyl Chloride	2.196	62	414609	47.044	ug/l	100
5) Bromomethane	2.592	94	291336	44.263	ug/l	100
6) Chloroethane	2.726	64	277698	47.394	ug/l	100
7) Trichlorofluoromethane	3.049	101	505137	47.136	ug/l	100
8) Diethyl Ether	3.446	74	135373	47.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	249063	47.109	ug/l	100
10) Methyl Iodide	3.994	142	296087	51.899	ug/l	100
11) Tert butyl alcohol	4.860	59	85712	243.383	ug/l	100
12) 1,1-Dichloroethene	3.781	96	249492	48.009	ug/l	100
13) Acrolein	3.647	56	121185	234.966	ug/l	100
14) Allyl chloride	4.378	41	369720	48.350	ug/l	100
15) Acrylonitrile	5.049	53	285675	247.839	ug/l	100
16) Acetone	3.860	43	278510	250.122	ug/l	100
17) Carbon Disulfide	4.098	76	804119	47.456	ug/l	100
18) Methyl Acetate	4.378	43	173642	52.403	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	666514	49.495	ug/l	100
20) Methylene Chloride	4.604	84	275004	47.415	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	282272	48.334	ug/l	100
22) Diisopropyl ether	6.018	45	815359	49.070	ug/l	100
23) Vinyl Acetate	5.951	43	2268046	246.849	ug/l	100
24) 1,1-Dichloroethane	5.909	63	495073	48.732	ug/l	100
25) 2-Butanone	6.884	43	382711	252.715	ug/l	100
26) 2,2-Dichloropropane	6.884	77	425773	48.571	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	327272	48.474	ug/l	100
28) Bromochloromethane	7.244	49	196667	48.795	ug/l	100
29) Tetrahydrofuran	7.256	42	235169	250.523	ug/l	100
30) Chloroform	7.415	83	508641	48.547	ug/l	100
31) Cyclohexane	7.695	56	440266	45.989	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	451521	48.569	ug/l	100
36) 1,1-Dichloropropene	7.829	75	371204	48.734	ug/l	100
37) Ethyl Acetate	6.982	43	160980	50.311	ug/l	100
38) Carbon Tetrachloride	7.817	117	399463	48.285	ug/l	100
39) Methylcyclohexane	9.103	83	484691	48.321	ug/l	100
40) Benzene	8.073	78	1142910	48.683	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	94123	50.916	ug/l	100
42) 1,2-Dichloroethane	8.152	62	296907	48.627	ug/l	100
43) Isopropyl Acetate	8.195	43	319600	49.419	ug/l	100
44) Trichloroethene	8.859	130	292421	48.199	ug/l	100
45) 1,2-Dichloropropane	9.140	63	264354	48.938	ug/l	100
46) Dibromomethane	9.225	93	152822	49.291	ug/l	100
47) Bromodichloromethane	9.420	83	393523	49.327	ug/l	100
48) Methyl methacrylate	9.213	41	160792	51.958	ug/l	100
49) 1,4-Dioxane	9.225	88	36249	997.124	ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	853025	255.710	ug/l	100
52) Toluene	10.164	92	735326	49.315	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	359698	49.790	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	424834	49.731	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	204368	49.261	ug/l	100
56) Ethyl methacrylate	10.432	69	273801	51.576	ug/l	100
57) 1,3-Dichloropropane	10.713	76	346510	49.249	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	663351	264.906	ug/l	100
59) 2-Hexanone	10.755	43	584223	257.194	ug/l	100
60) Dibromochloromethane	10.908	129	272171	49.719	ug/l	100
61) 1,2-Dibromoethane	11.005	107	193398	49.598	ug/l	100
64) Tetrachloroethene	10.640	164	327271	48.740	ug/l	100
65) Chlorobenzene	11.438	112	793490	48.920	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	271839	49.381	ug/l	100
67) Ethyl Benzene	11.511	91	1397704	50.073	ug/l	100
68) m/p-Xylenes	11.621	106	1080401	99.103	ug/l	100
69) o-Xylene	11.950	106	516002	50.536	ug/l	100
70) Styrene	11.962	104	844409	50.569	ug/l	100
71) Bromoform	12.127	173	160769	49.969	ug/l #	100
73) Isopropylbenzene	12.249	105	1324313	49.660	ug/l	100
74) N-amyl acetate	12.066	43	289914	51.264	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	220853	48.503	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	303093	83.064	ug/l #	100
77) Bromobenzene	12.523	156	312706	49.152	ug/l	100
78) n-propylbenzene	12.590	91	1593368	50.186	ug/l	100
79) 2-Chlorotoluene	12.670	91	899967	49.473	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1080333	50.126	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	74567	49.500	ug/l	100
82) 4-Chlorotoluene	12.767	91	930329	49.299	ug/l	100
83) tert-Butylbenzene	12.993	119	978031	50.244	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	1071926	49.963	ug/l	100
85) sec-Butylbenzene	13.170	105	1425553	49.854	ug/l	100
86) p-Isopropyltoluene	13.285	119	1196645	50.417	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	608249	48.481	ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	605079	48.618	ug/l	100
89) n-Butylbenzene	13.609	91	1099864	50.454	ug/l	100
90) Hexachloroethane	13.871	117	238005	48.984	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	536637	48.772	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35867	50.592	ug/l	100
93) 1,2,4-Trichlorobenzene	14.913	180	320080	49.192	ug/l	100
94) Hexachlorobutadiene	15.017	225	185604	48.543	ug/l	100
95) Naphthalene	15.139	128	562363	50.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	272154	48.540	ug/l	100

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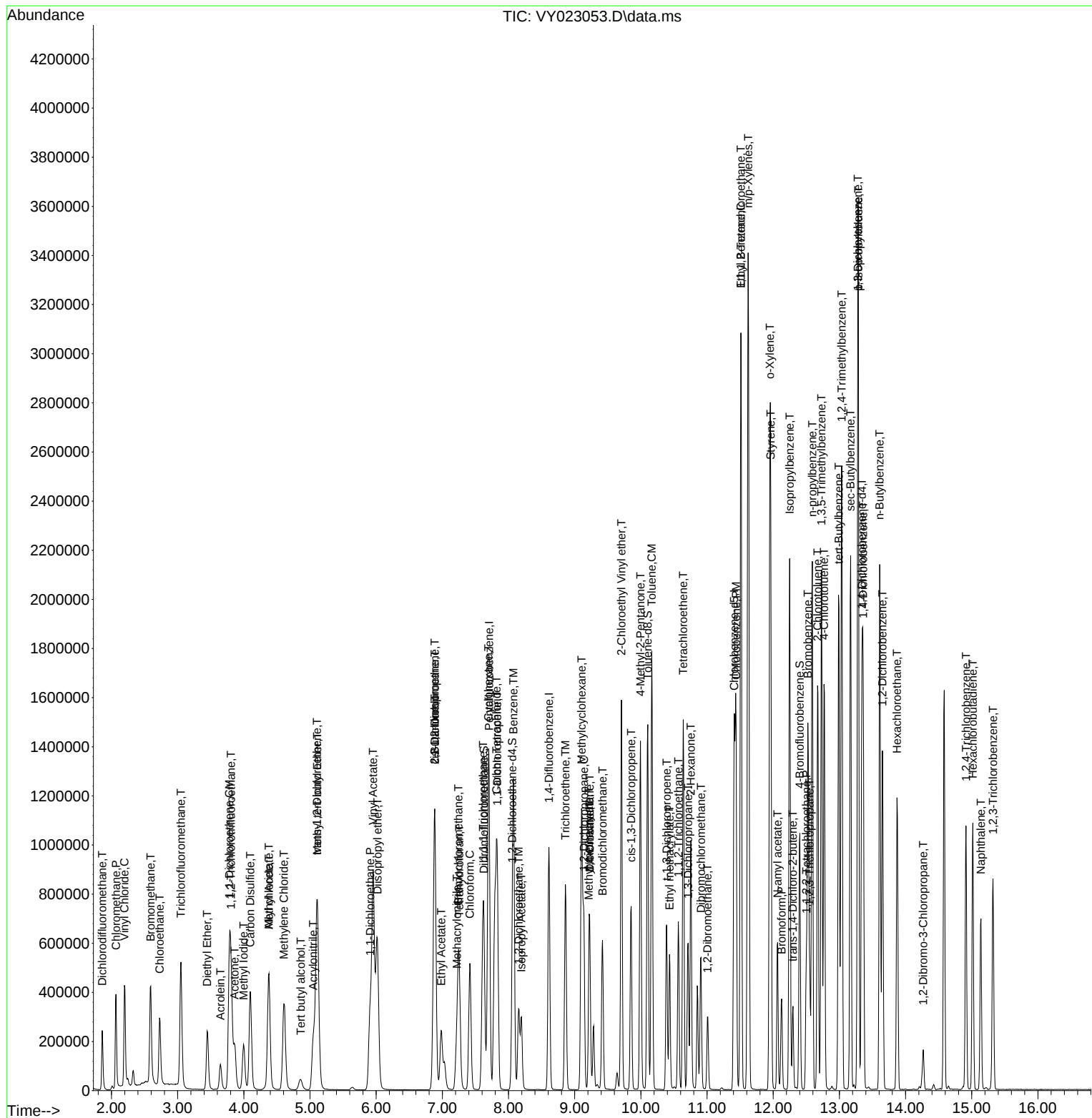
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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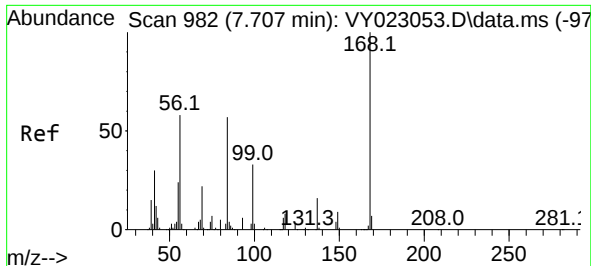
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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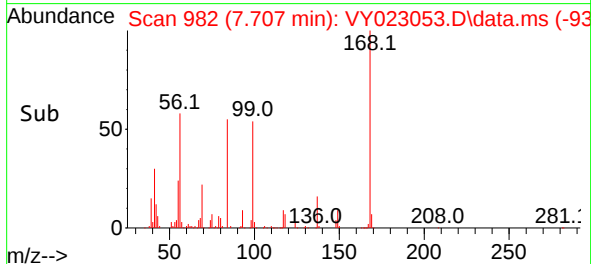
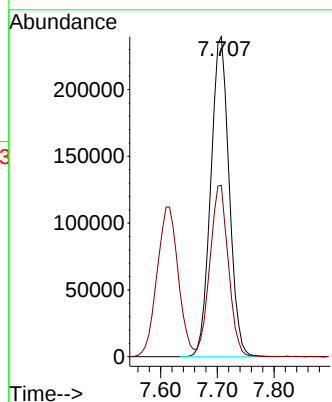
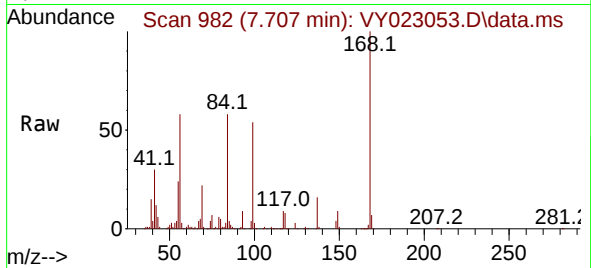




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023053.D
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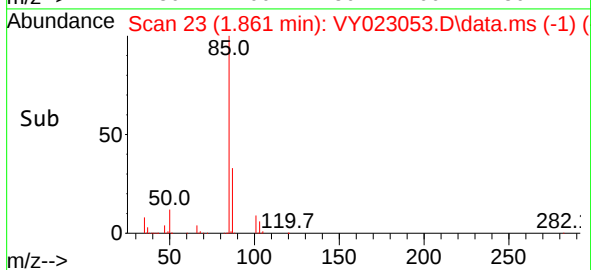
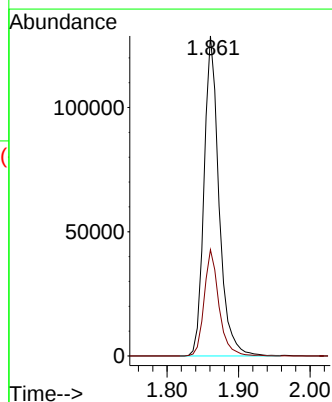
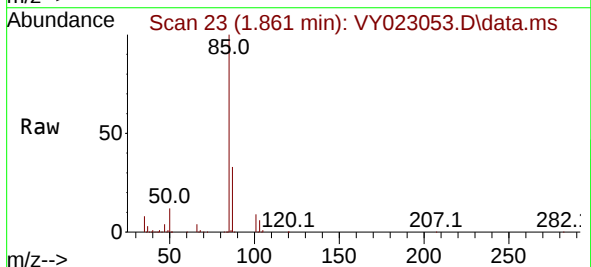
Instrument :
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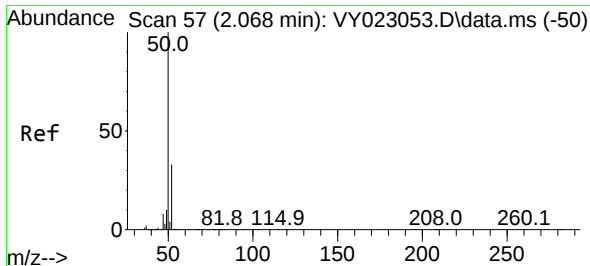
Tgt Ion:168 Resp: 539282
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2



#2
Dichlorodifluoromethane
Concen: 42.677 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 85 Resp: 187863
Ion Ratio Lower Upper
85 100
87 33.2 16.6 49.8

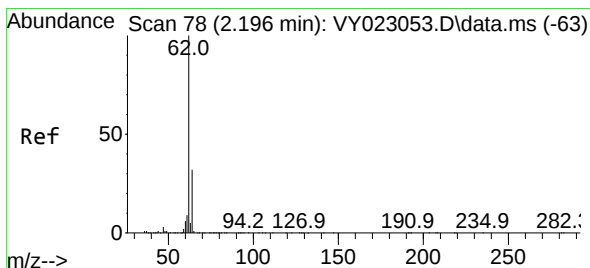
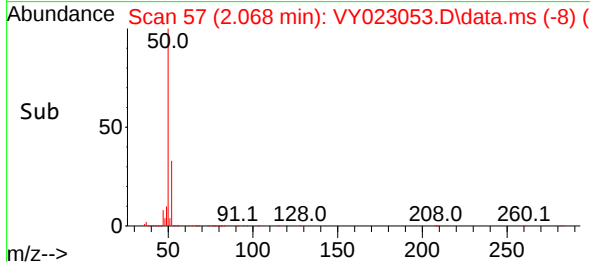
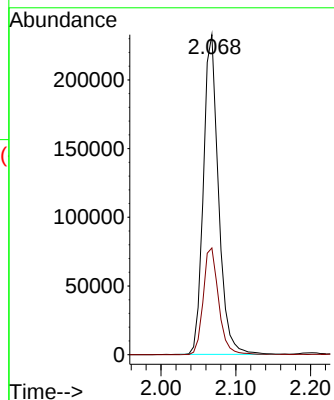
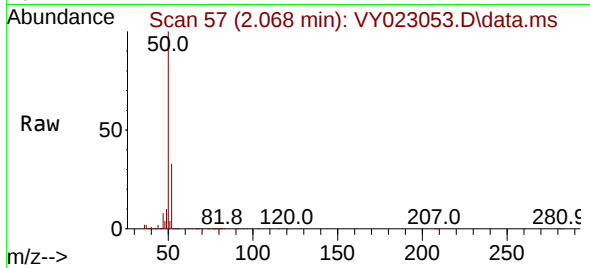




#3
Chloromethane
Concen: 45.932 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

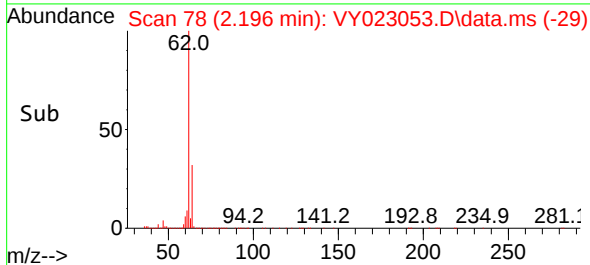
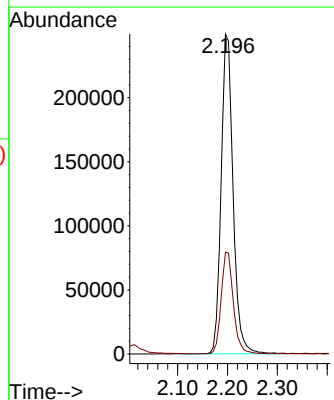
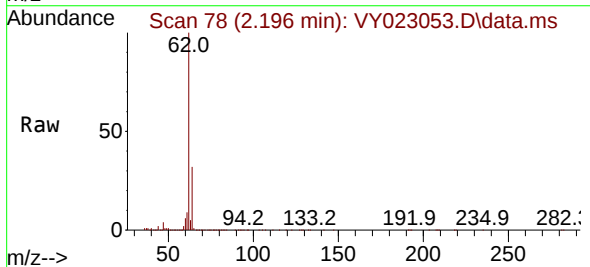
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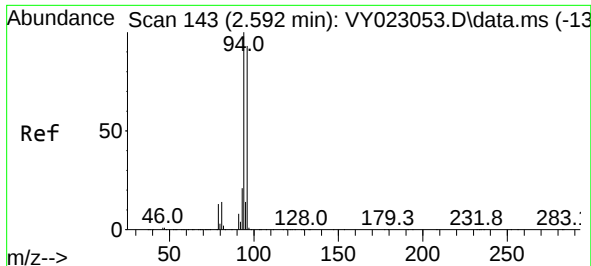
Tgt Ion: 50 Resp: 327481
Ion Ratio Lower Upper
50 100
52 33.4 26.7 40.1



#4
Vinyl Chloride
Concen: 47.044 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 62 Resp: 414609
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0

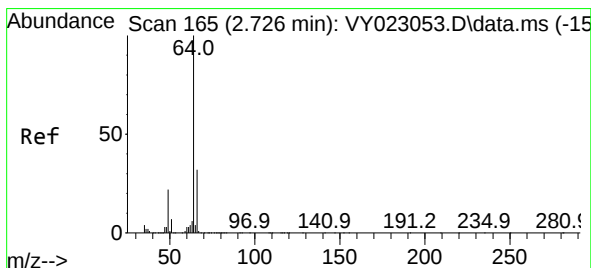
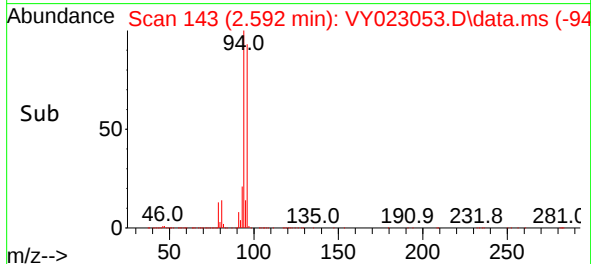
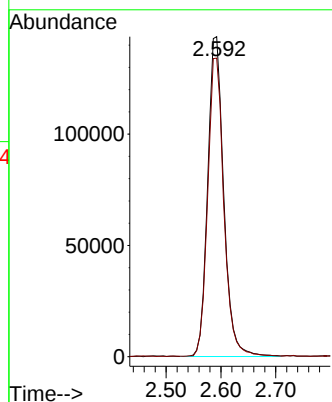
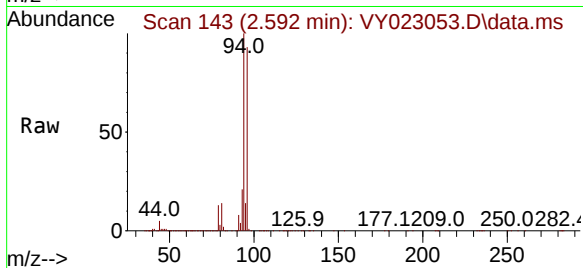




#5
Bromomethane
Concen: 44.263 ug/l
RT: 2.592 min Scan# 143
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

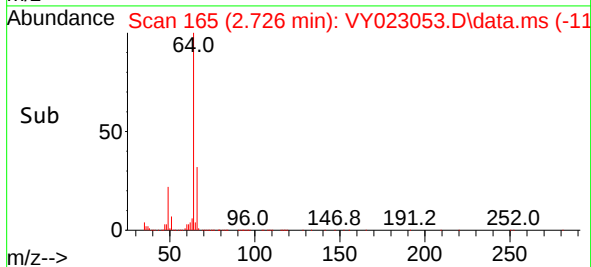
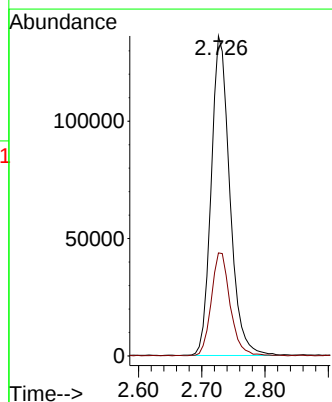
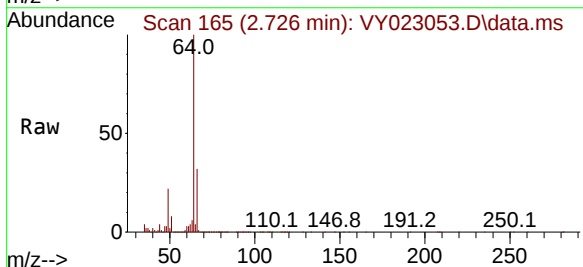
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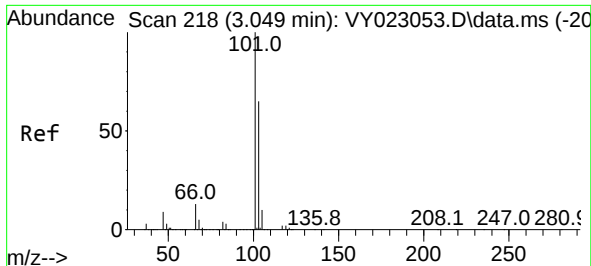
Tgt Ion: 94 Resp: 291336
Ion Ratio Lower Upper
94 100
96 93.3 74.6 112.0



#6
Chloroethane
Concen: 47.394 ug/l
RT: 2.726 min Scan# 165
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 64 Resp: 277698
Ion Ratio Lower Upper
64 100
66 32.2 25.8 38.6

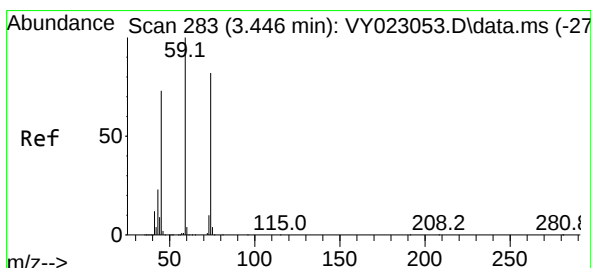
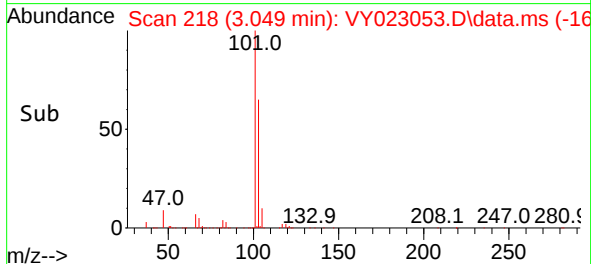
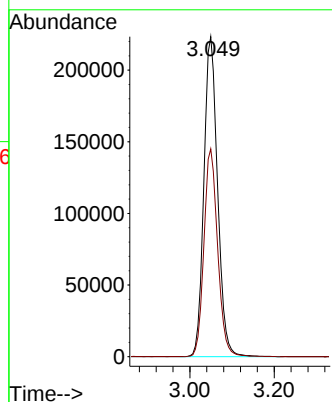
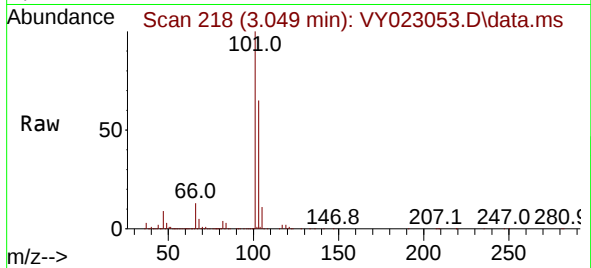




#7
Trichlorofluoromethane
Concen: 47.136 ug/l
RT: 3.049 min Scan# 218
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

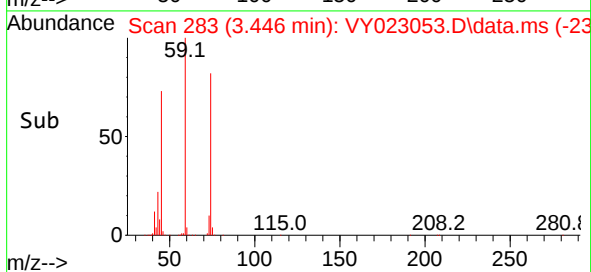
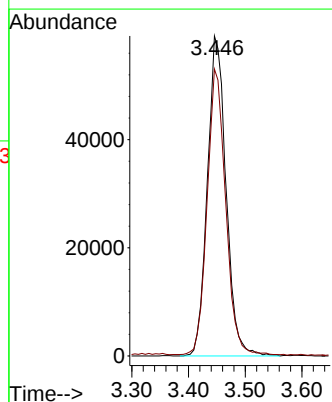
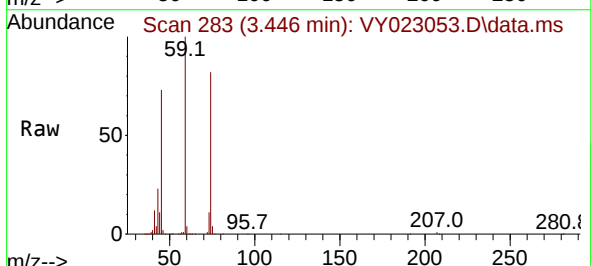
Instrument :
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Tgt Ion:101 Resp: 505137
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9



#8
Diethyl Ether
Concen: 47.747 ug/l
RT: 3.446 min Scan# 283
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 74 Resp: 135373
Ion Ratio Lower Upper
74 100
45 88.8 44.4 133.2

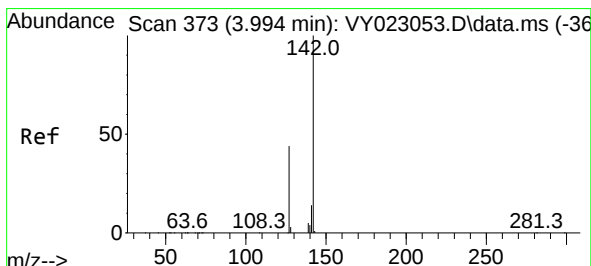
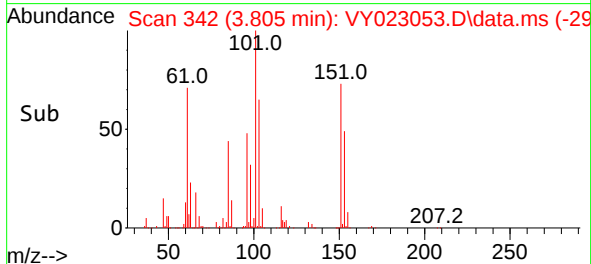
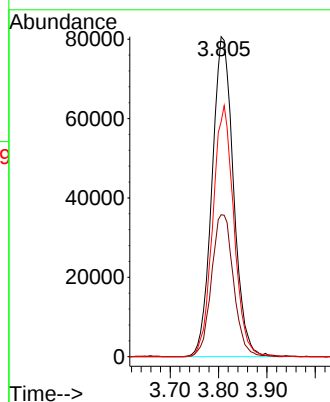
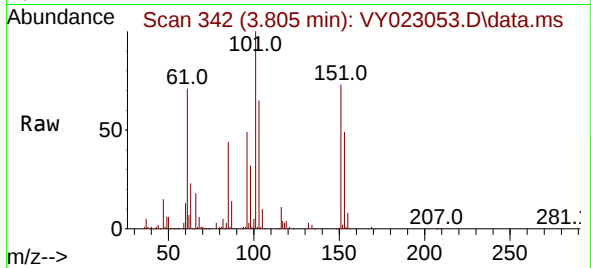




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.109 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

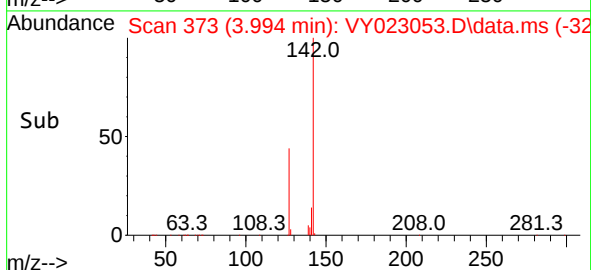
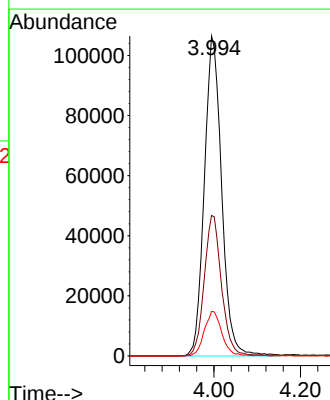
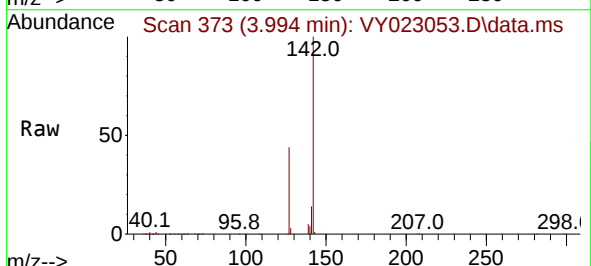
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 249063
Ion Ratio Lower Upper
101 100
85 45.4 36.3 54.5
151 76.9 61.5 92.3



#10
Methyl Iodide
Concen: 51.899 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:142 Resp: 296087
Ion Ratio Lower Upper
142 100
127 43.6 34.9 52.3
141 14.1 11.3 16.9

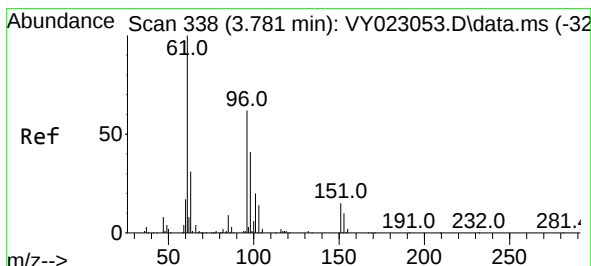
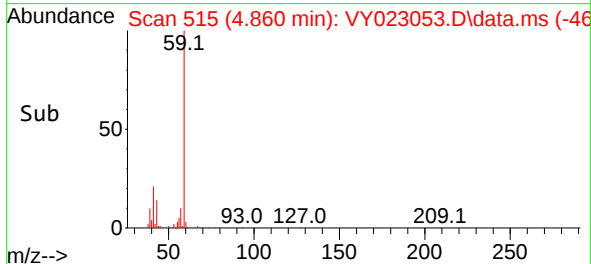
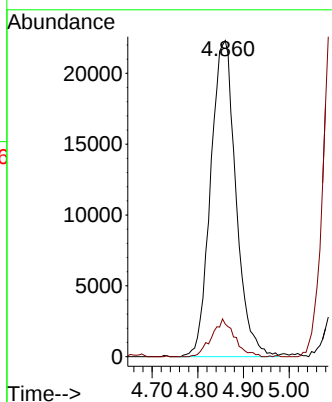
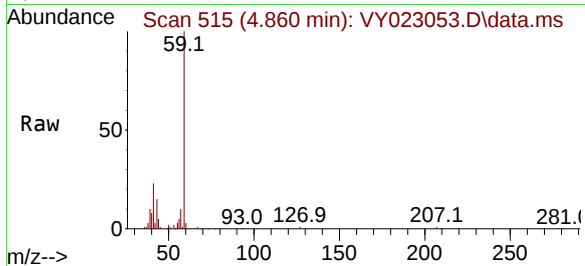




#11
Tert butyl alcohol
Concen: 243.383 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

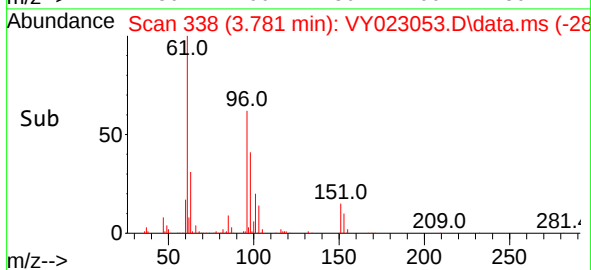
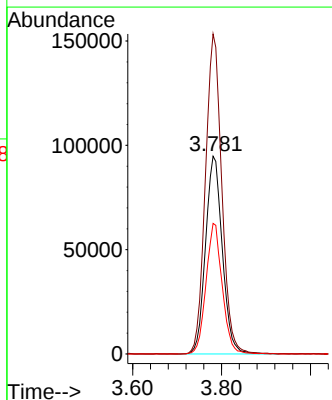
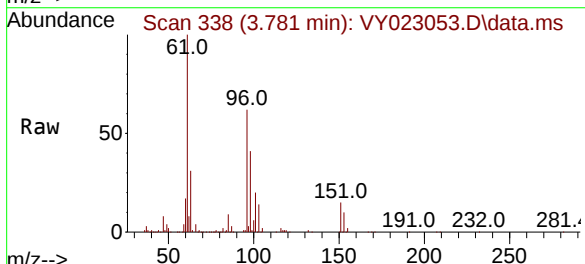
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

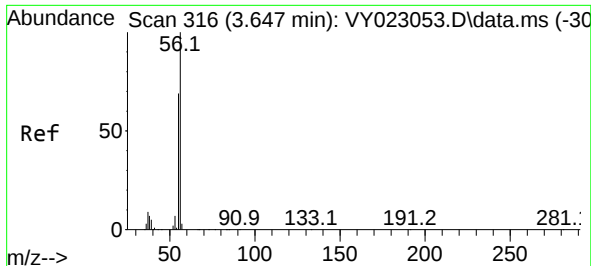
Tgt Ion: 59 Resp: 85712
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0



#12
1,1-Dichloroethene
Concen: 48.009 ug/l
RT: 3.781 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 96 Resp: 249492
Ion Ratio Lower Upper
96 100
61 161.8 129.4 194.2
98 66.0 52.8 79.2

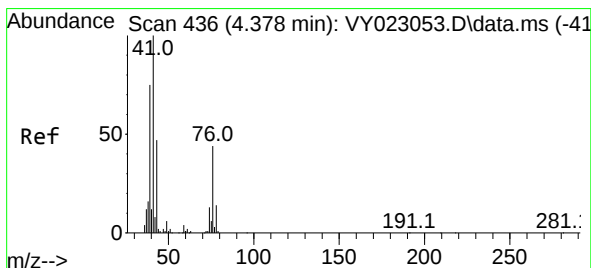
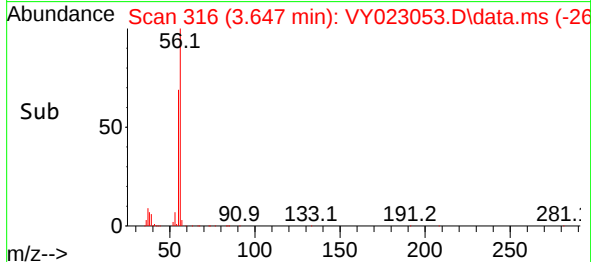
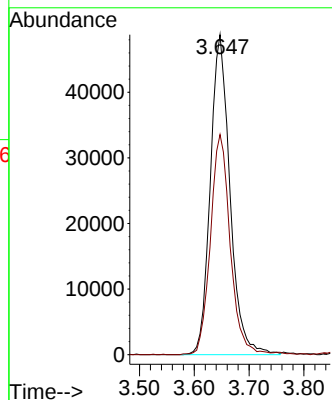
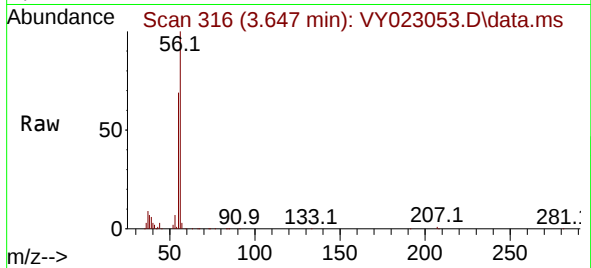




#13
Acrolein
Concen: 234.966 ug/l
RT: 3.647 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

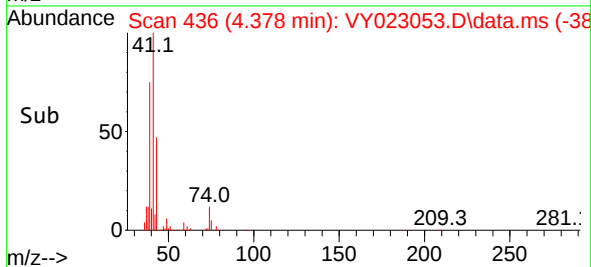
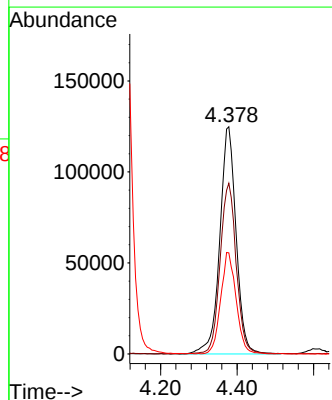
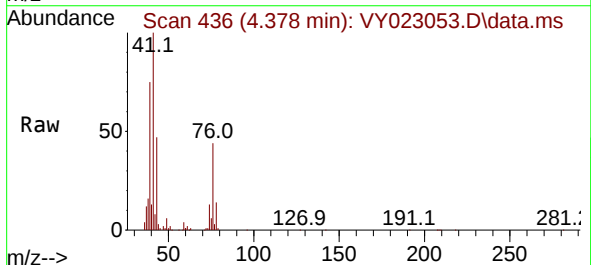
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

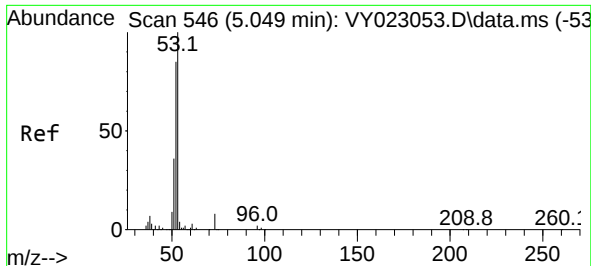
Tgt Ion: 56 Resp: 121185
Ion Ratio Lower Upper
56 100
55 69.0 55.2 82.8



#14
Allyl chloride
Concen: 48.350 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 369720
Ion Ratio Lower Upper
41 100
39 74.7 59.8 89.6
76 42.1 33.7 50.5

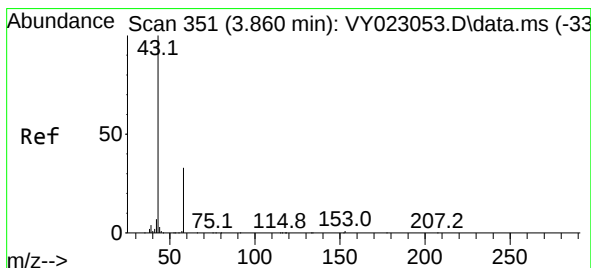
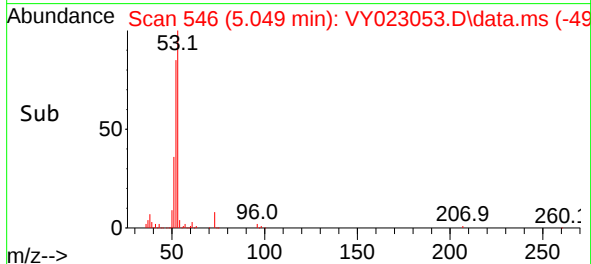
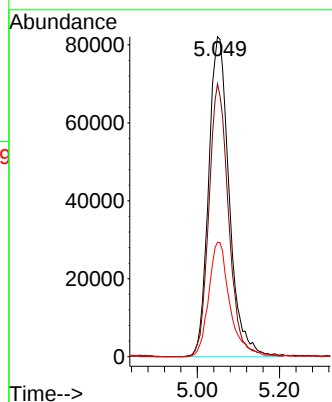
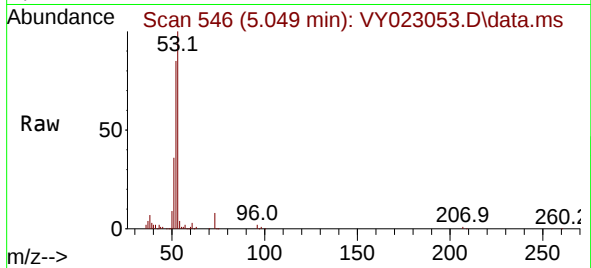




#15
Acrylonitrile
Concen: 247.839 ug/l
RT: 5.049 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

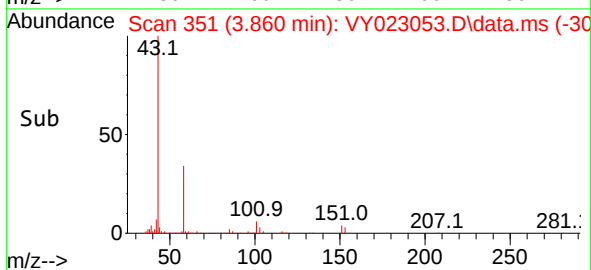
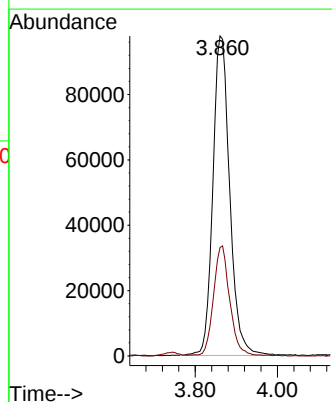
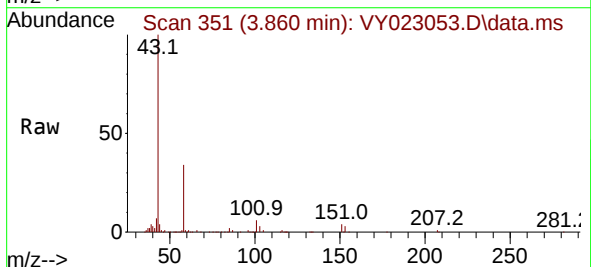
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

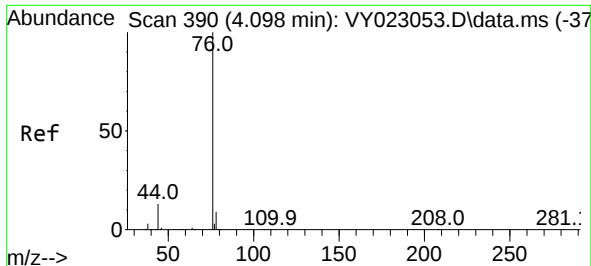
Tgt Ion:	53	Resp:	285675
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	36.9	29.5	44.3



#16
Acetone
Concen: 250.122 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:	43	Resp:	278510
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7

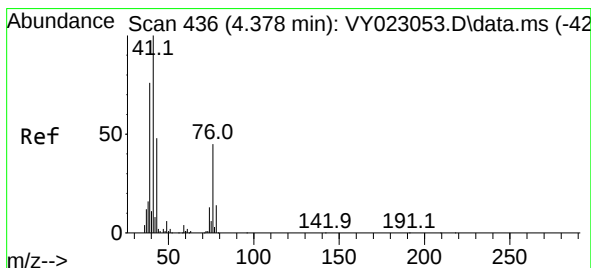
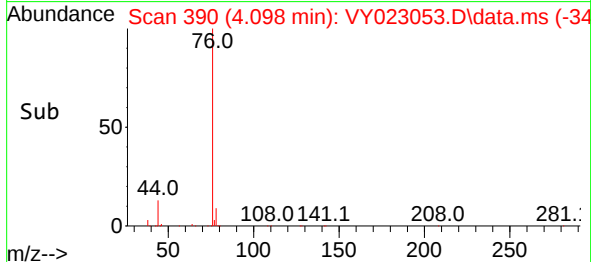
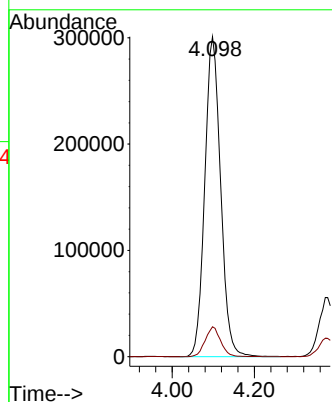
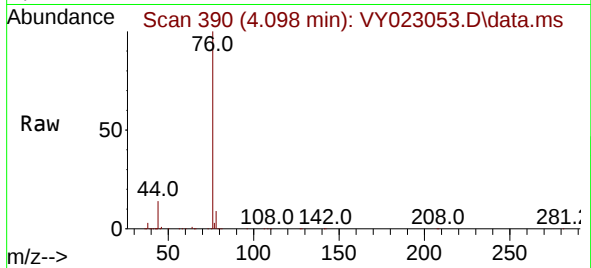




#17
Carbon Disulfide
Concen: 47.456 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

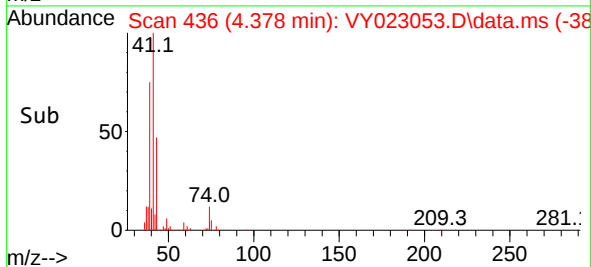
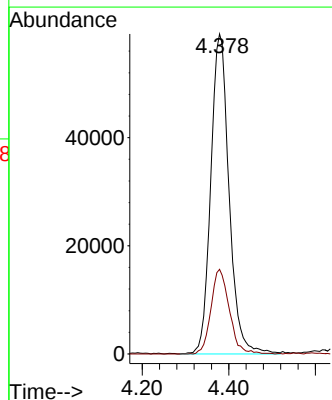
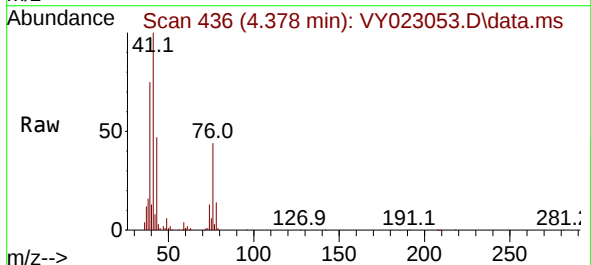
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

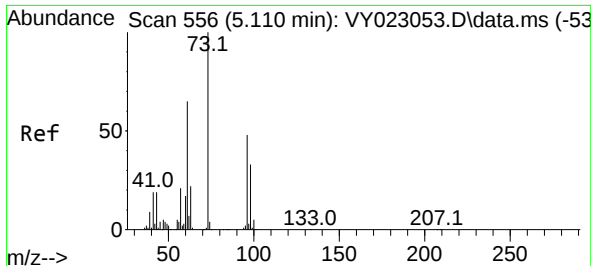
Tgt Ion: 76 Resp: 804119
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 52.403 ug/l
RT: 4.378 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 173642
Ion Ratio Lower Upper
43 100
74 26.5 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 49.495 ug/l

RT: 5.110 min Scan# 556

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

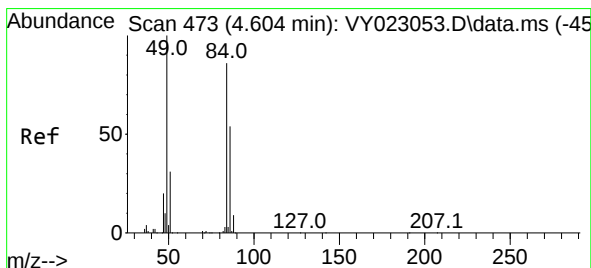
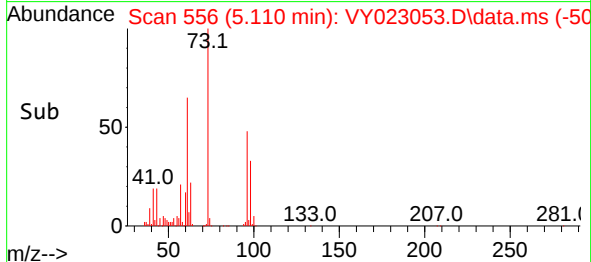
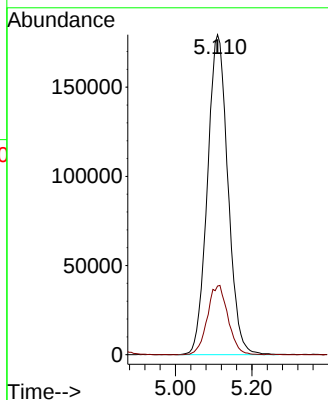
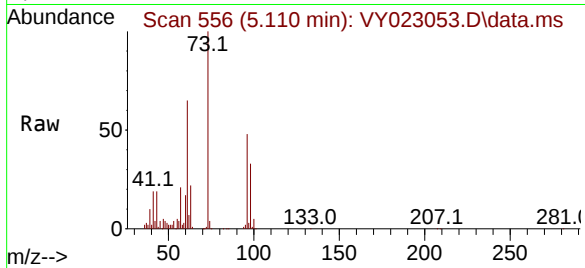
VSTDICCC050

Tgt Ion: 73 Resp: 666514

Ion Ratio Lower Upper

73 100

57 21.4 17.1 25.7



#20

Methylene Chloride

Concen: 47.415 ug/l

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion: 84 Resp: 275004

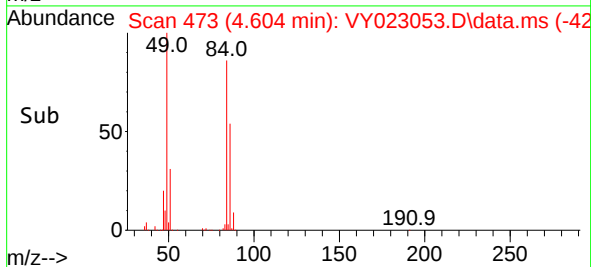
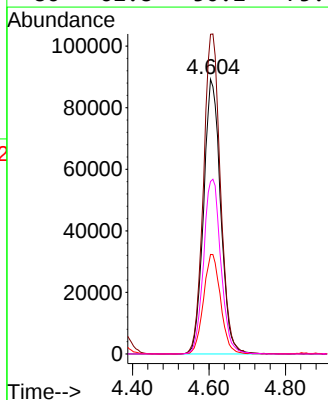
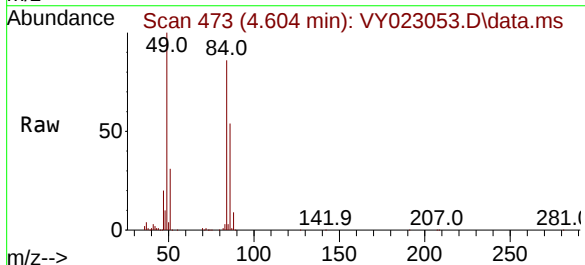
Ion Ratio Lower Upper

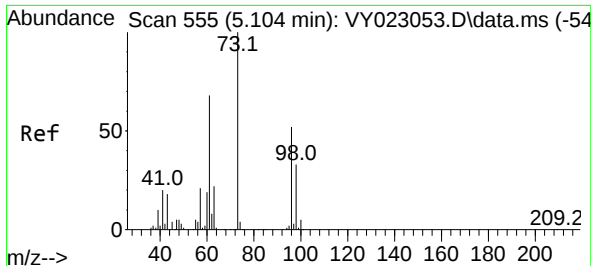
84 100

49 116.3 93.0 139.6

51 36.2 29.0 43.4

86 62.8 50.2 75.4

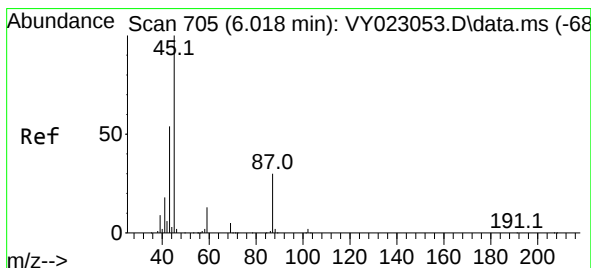
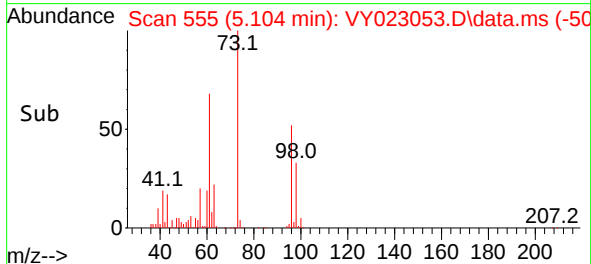
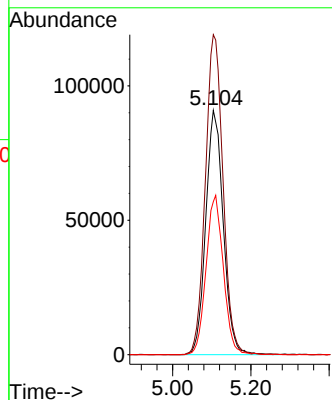
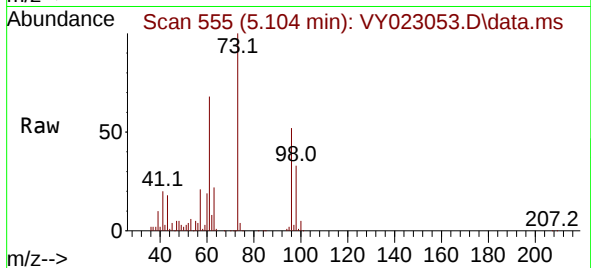




#21
trans-1,2-Dichloroethene
Concen: 48.334 ug/l
RT: 5.104 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

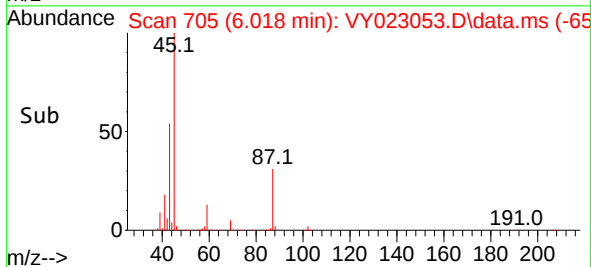
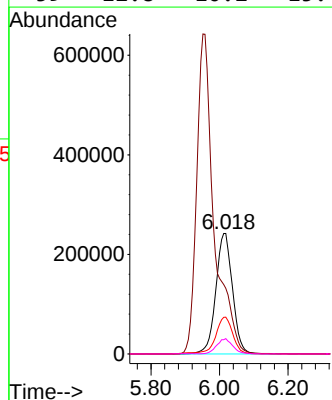
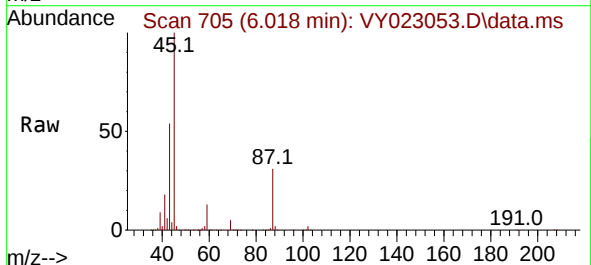
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 282272
Ion Ratio Lower Upper
96 100
61 131.0 104.8 157.2
98 62.6 50.1 75.1



#22
Diisopropyl ether
Concen: 49.070 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 45 Resp: 815359
Ion Ratio Lower Upper
45 100
43 54.2 43.4 65.0
87 30.5 24.4 36.6
59 12.8 10.2 15.4

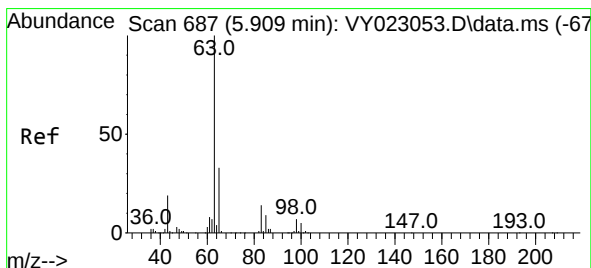
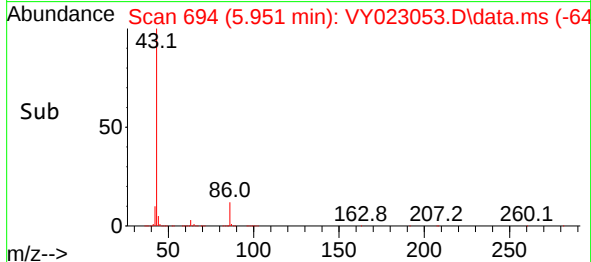
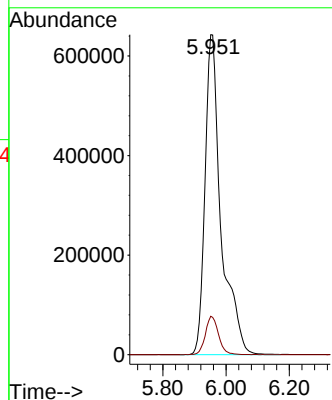
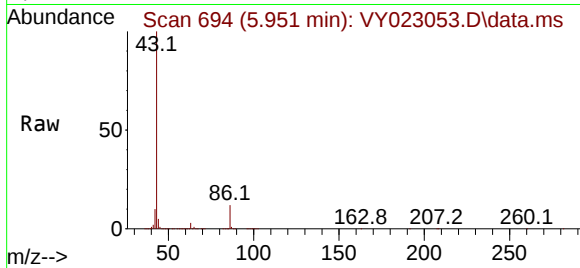




#23
 Vinyl Acetate
 Concen: 246.849 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

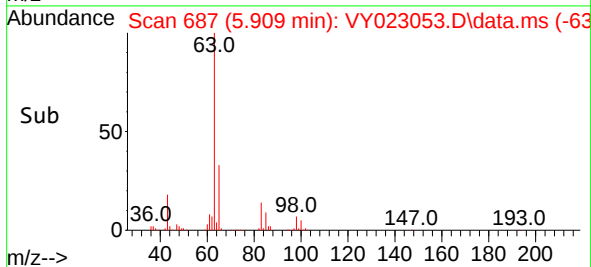
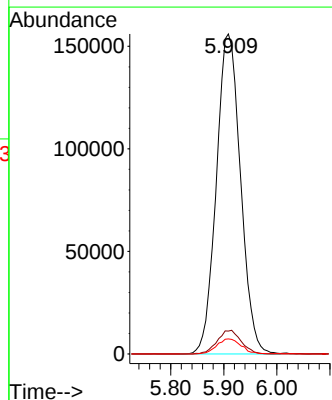
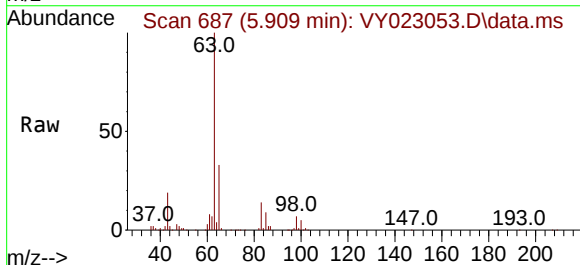
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 2268046
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 48.732 ug/l
 RT: 5.909 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

Tgt Ion: 63 Resp: 495073
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.6
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 252.715 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

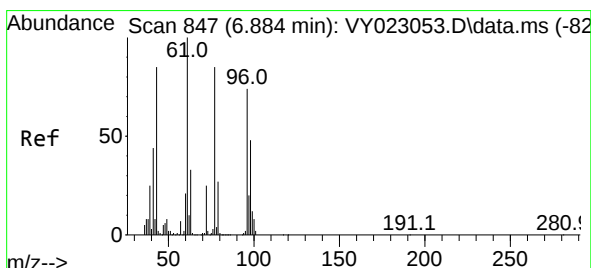
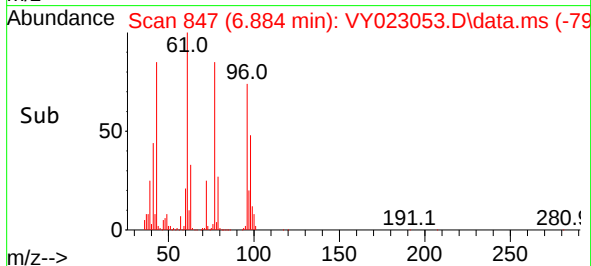
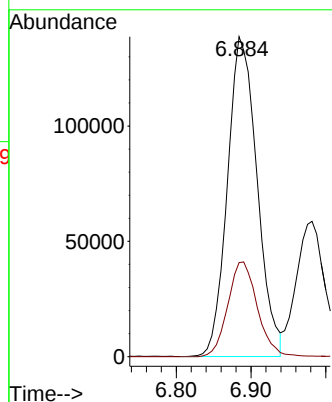
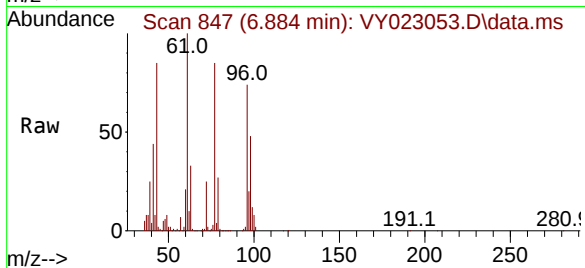
VSTDICCC050

Tgt Ion: 43 Resp: 382711

Ion Ratio Lower Upper

43 100

72 29.4 23.5 35.3



#26

2,2-Dichloropropane

Concen: 48.571 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023053.D

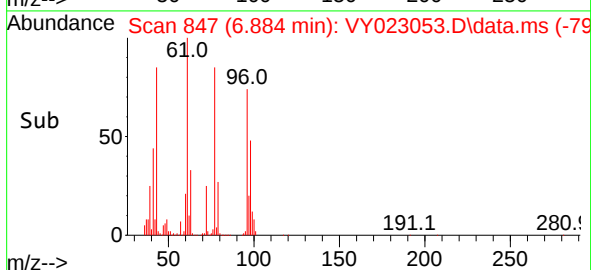
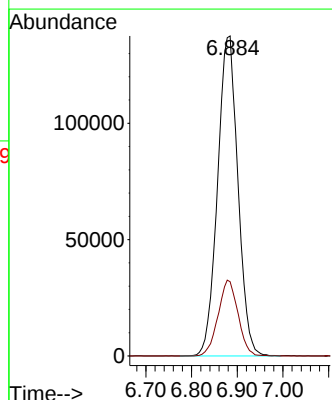
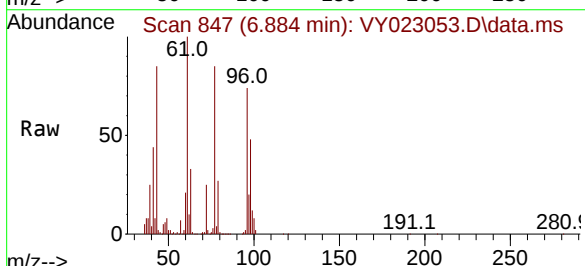
Acq: 12 Aug 2025 16:02

Tgt Ion: 77 Resp: 425773

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 48.474 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

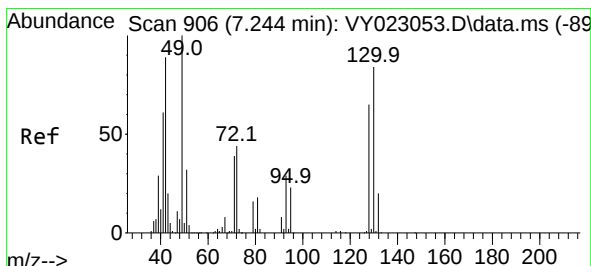
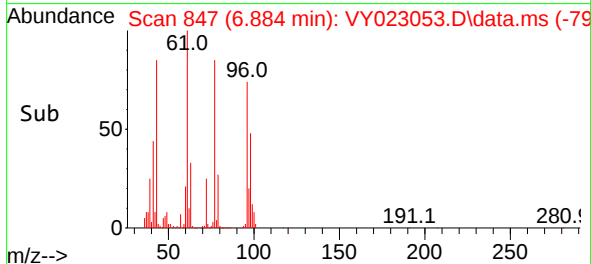
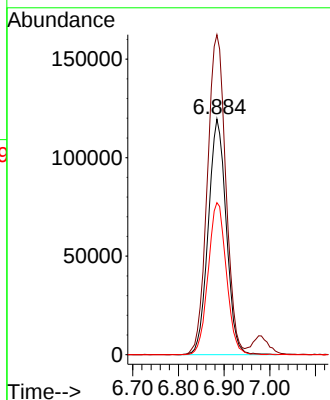
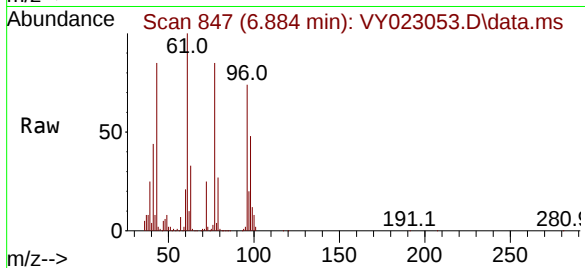
Tgt Ion: 96 Resp: 327272

Ion Ratio Lower Upper

96 100

61 139.3 0.0 278.6

98 65.2 0.0 130.4



#28

Bromochloromethane

Concen: 48.795 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

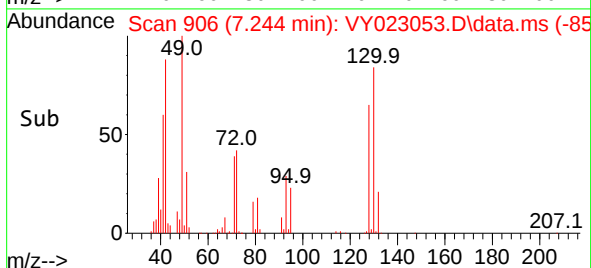
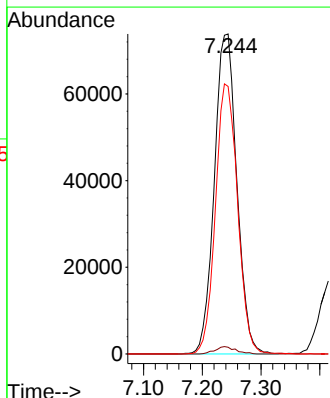
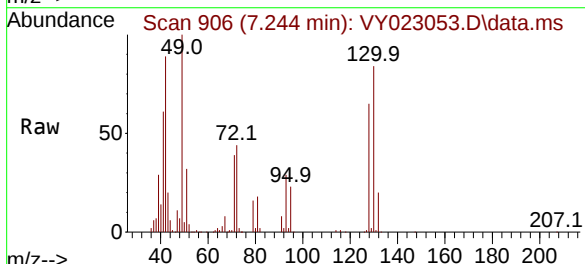
Tgt Ion: 49 Resp: 196667

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 83.0 66.4 99.6

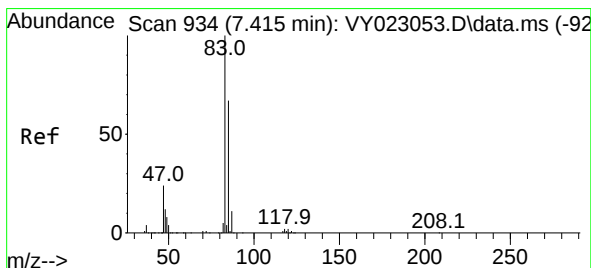
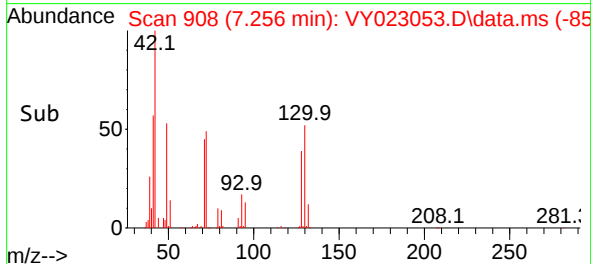
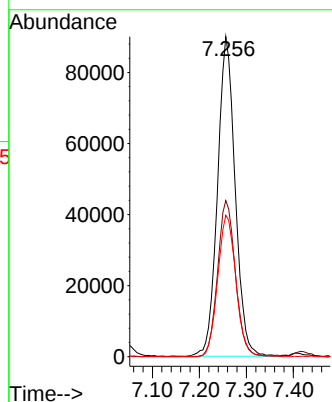
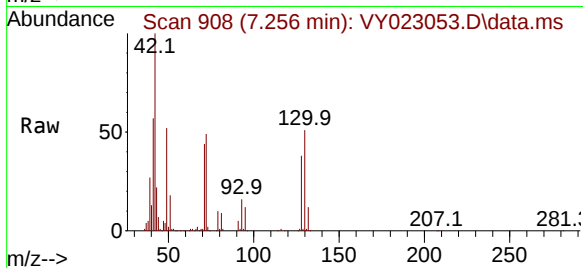




#29
Tetrahydrofuran
Concen: 250.523 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

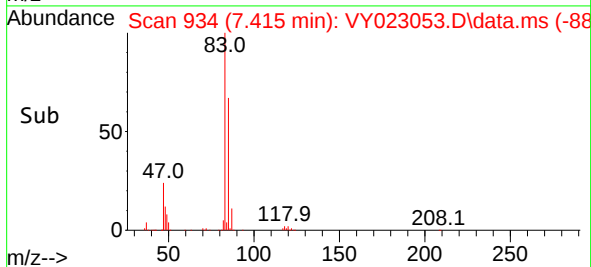
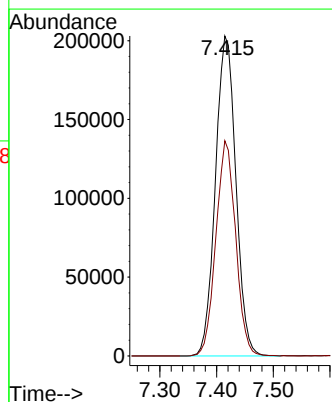
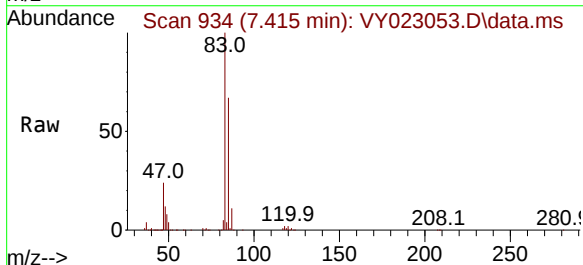
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

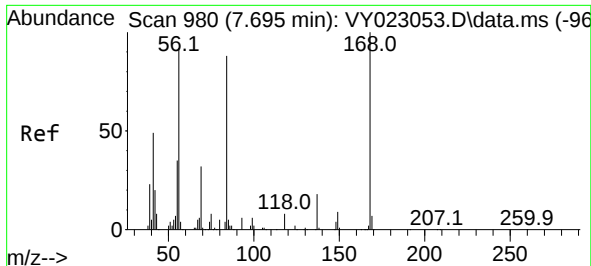
Tgt Ion: 42 Resp: 235169
Ion Ratio Lower Upper
42 100
72 49.3 39.4 59.2
71 45.6 36.5 54.7



#30
Chloroform
Concen: 48.547 ug/l
RT: 7.415 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 83 Resp: 508641
Ion Ratio Lower Upper
83 100
85 67.3 53.8 80.8

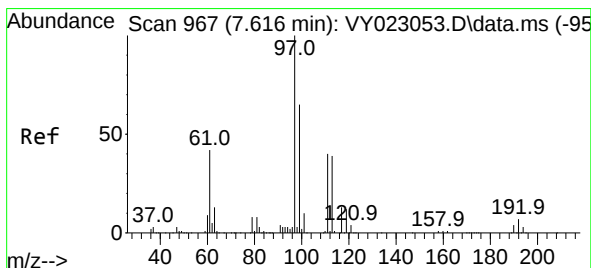
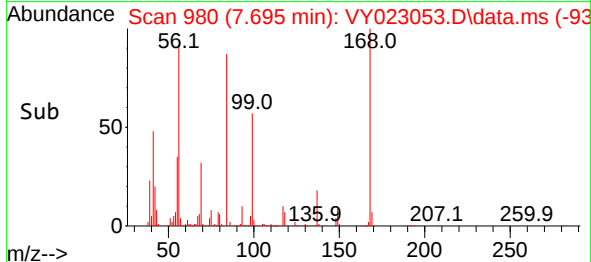
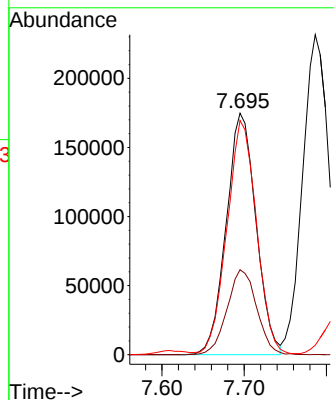
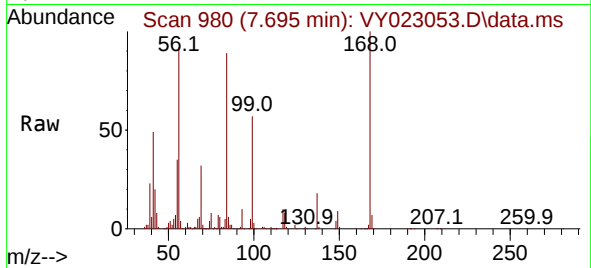




#31
Cyclohexane
Concen: 45.989 ug/l
RT: 7.695 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

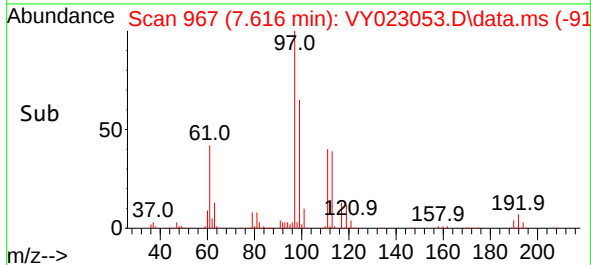
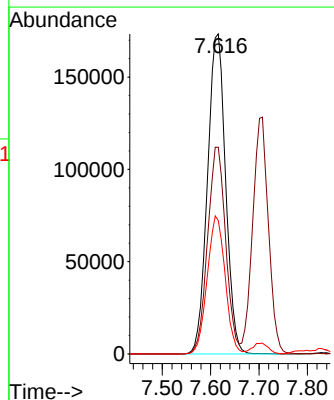
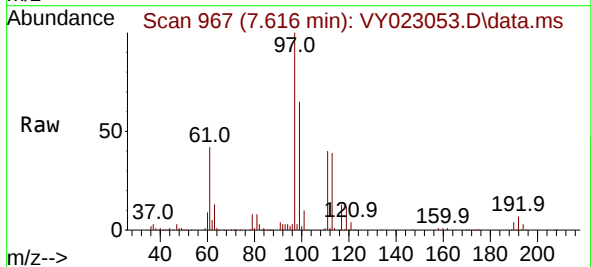
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 440266
Ion Ratio Lower Upper
56 100
69 35.2 28.2 42.2
84 95.7 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 48.569 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 97 Resp: 451521
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 42.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 48.455 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

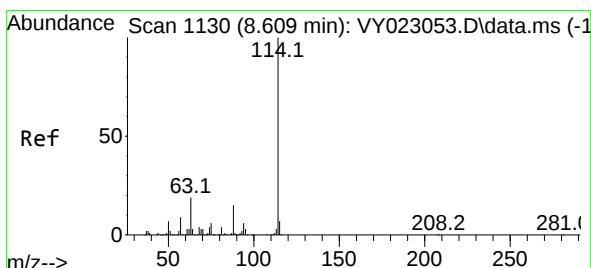
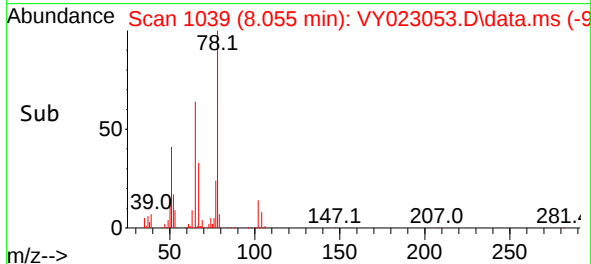
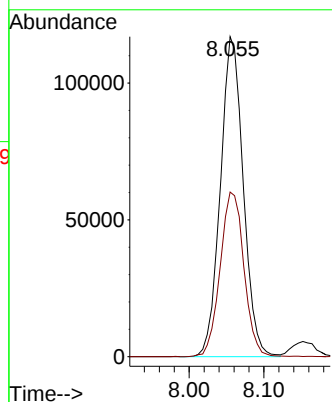
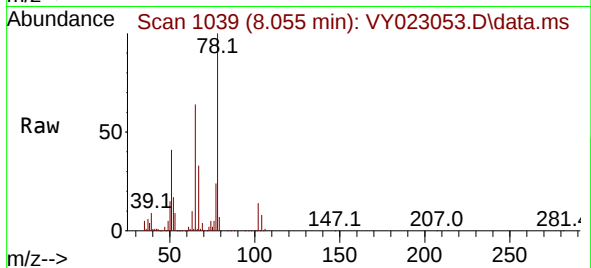
VSTDICCC050

Tgt Ion: 65 Resp: 249044

Ion Ratio Lower Upper

65 100

67 53.4 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: VY023053.D

Acq: 12 Aug 2025 16:02

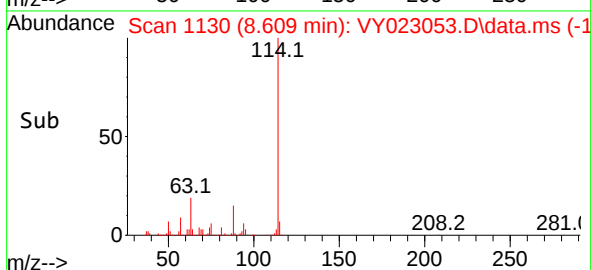
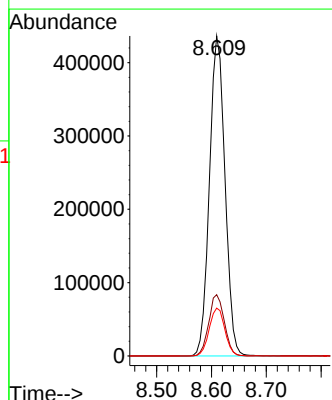
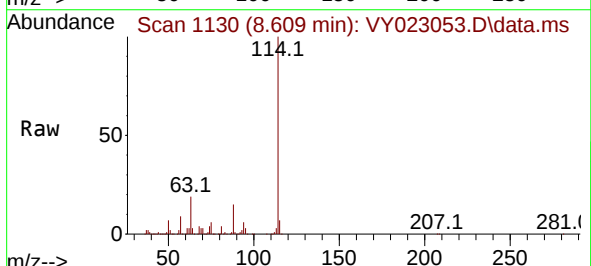
Tgt Ion: 114 Resp: 856556

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.0 0.0 30.0

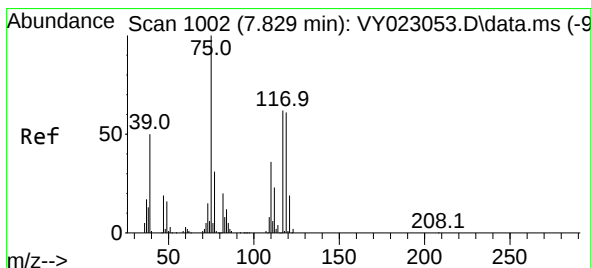
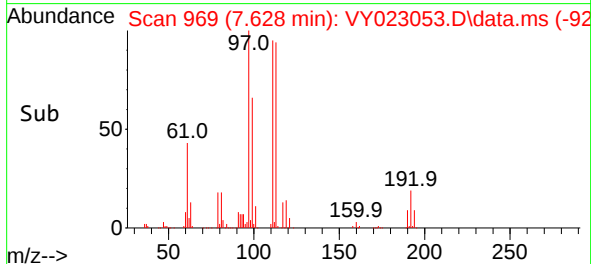
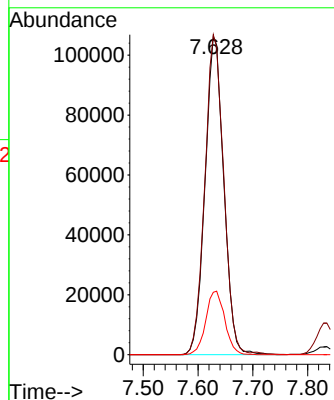
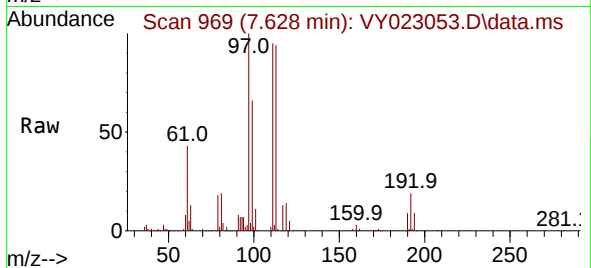




#35
Dibromofluoromethane
Concen: 49.010 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

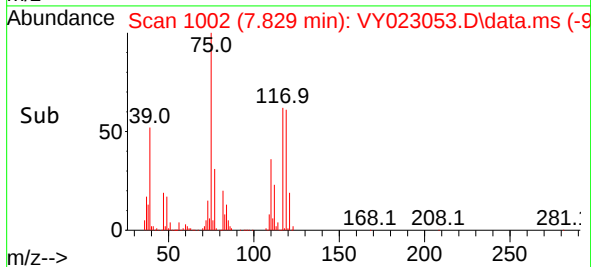
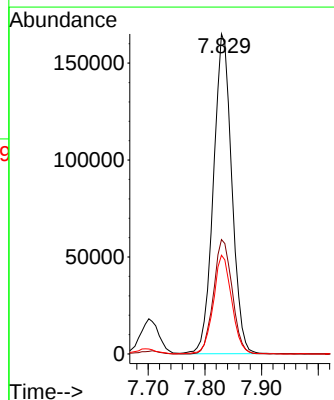
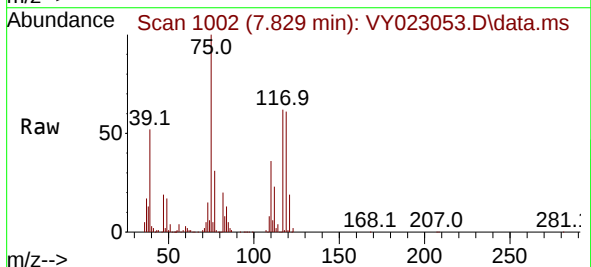
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

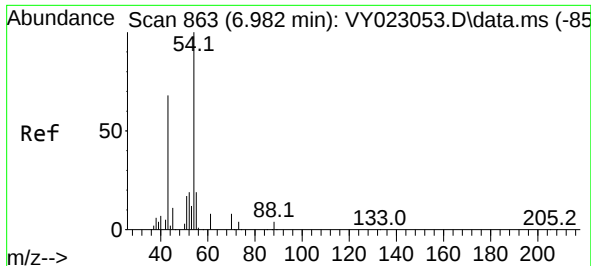
Tgt Ion:113 Resp: 251193
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 20.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 48.734 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 371204
Ion Ratio Lower Upper
75 100
110 36.3 18.1 54.4
77 30.8 24.6 37.0

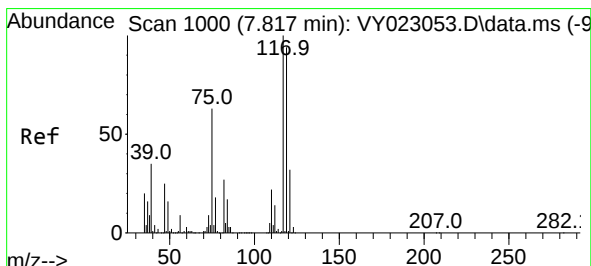
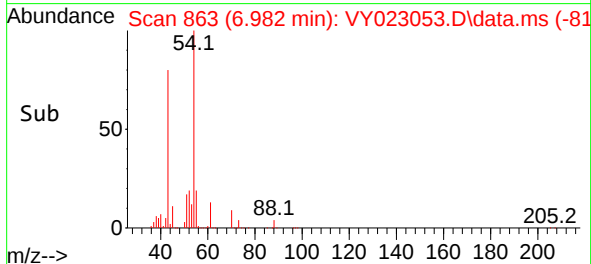
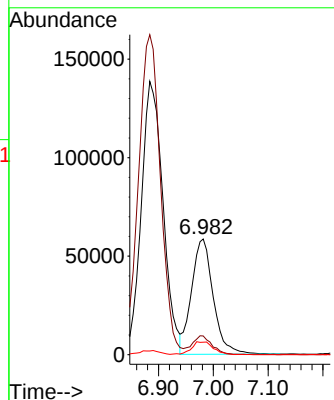
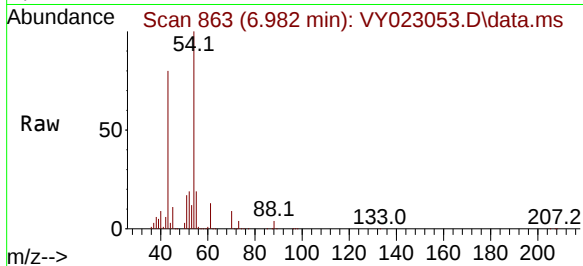




#37
Ethyl Acetate
Concen: 50.311 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

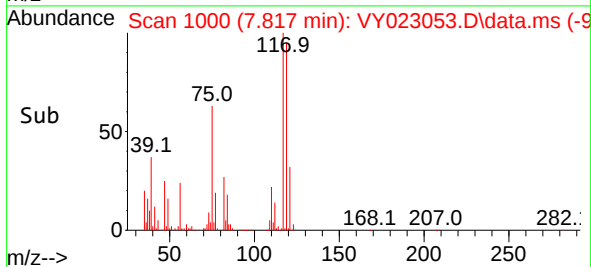
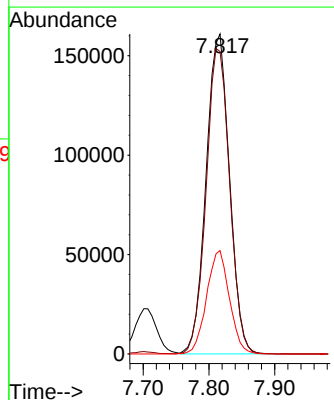
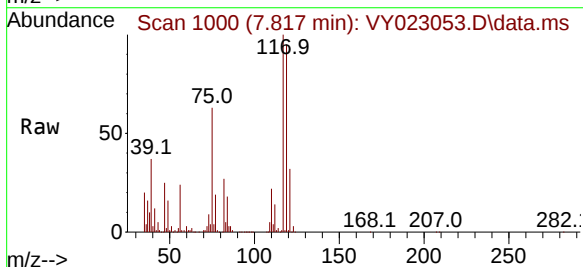
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

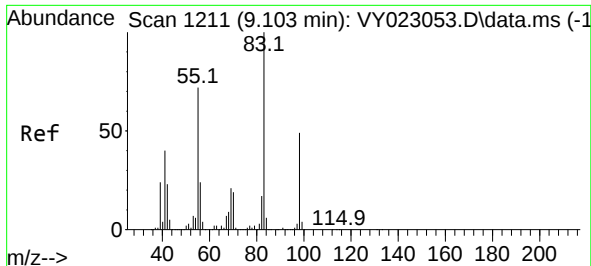
Tgt Ion: 43 Resp: 160980
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 48.285 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 117 Resp: 399463
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 32.3 25.8 38.8





#39

Methylcyclohexane

Concen: 48.321 ug/l

RT: 9.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

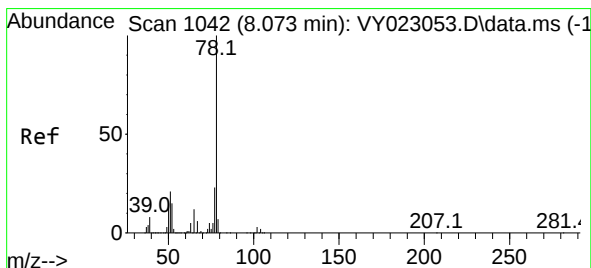
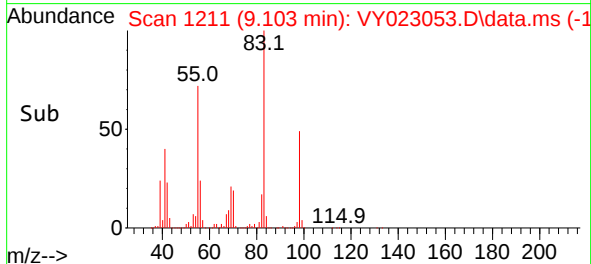
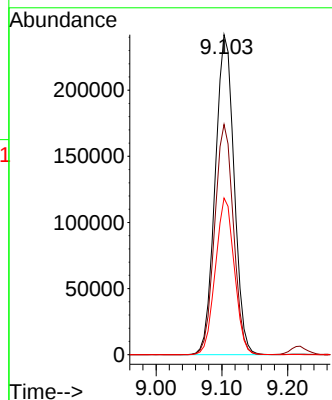
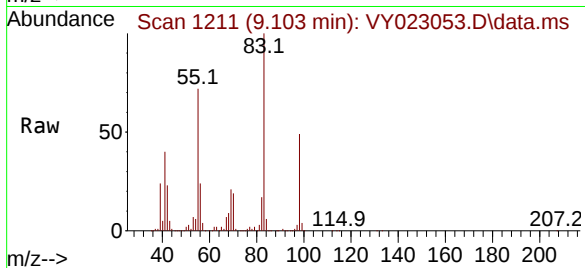
Tgt Ion: 83 Resp: 484691

Ion Ratio Lower Upper

83 100

55 72.0 57.6 86.4

98 49.0 39.2 58.8



#40

Benzene

Concen: 48.683 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY023053.D

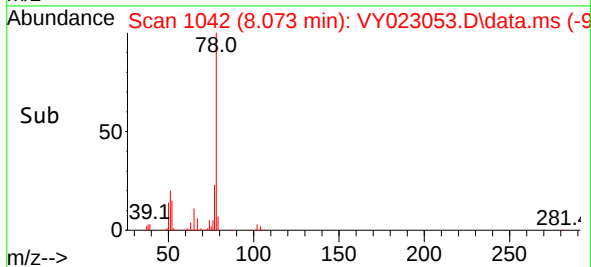
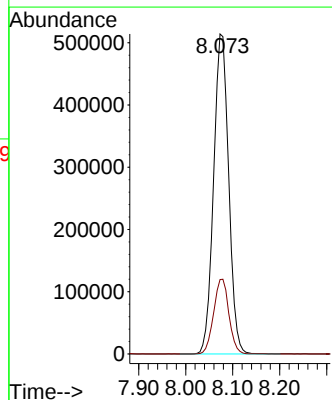
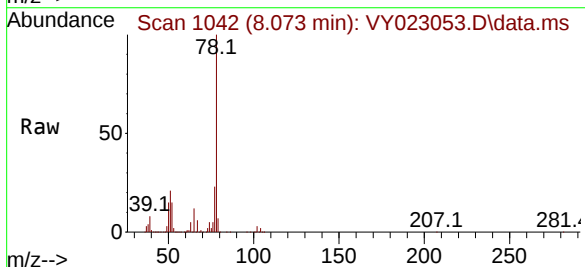
Acq: 12 Aug 2025 16:02

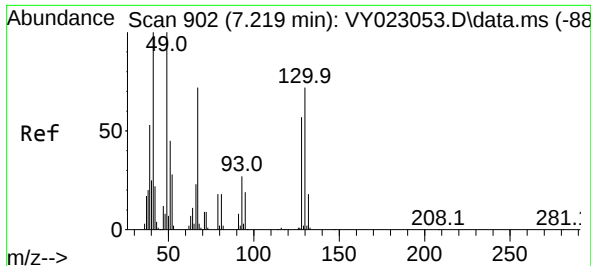
Tgt Ion: 78 Resp: 1142910

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0

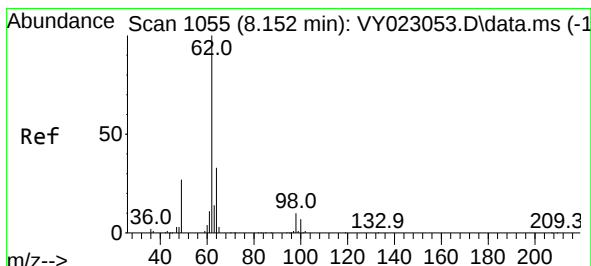
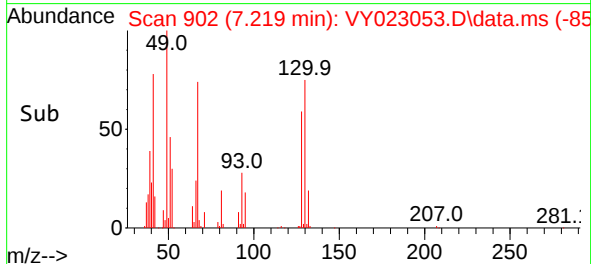
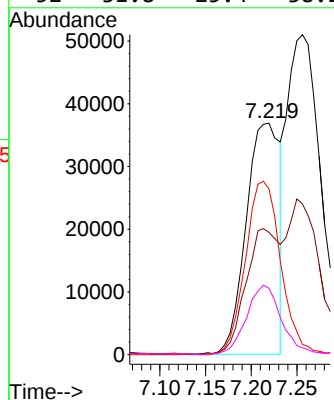
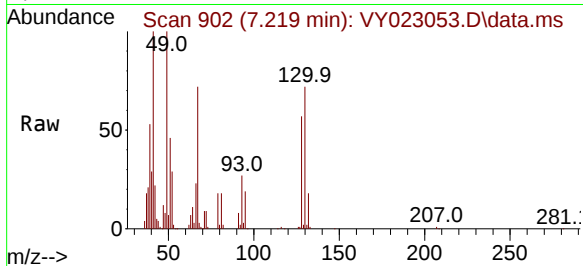




#41
Methacrylonitrile
Concen: 50.916 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

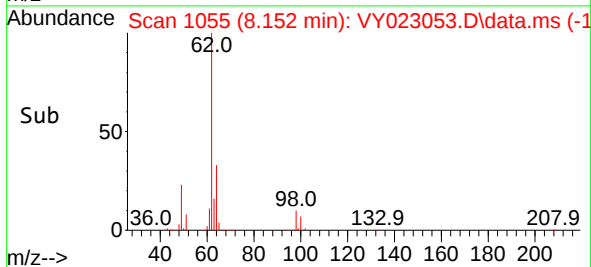
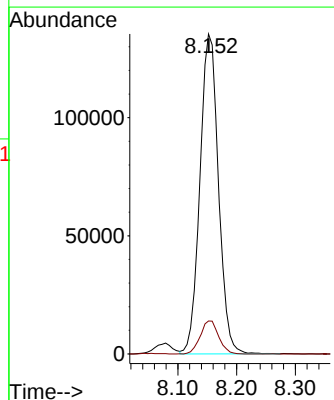
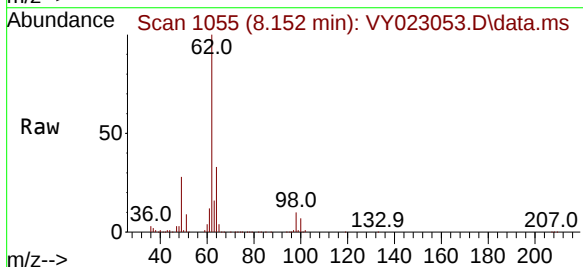
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	94123
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.4	65.2
67	79.5	63.6	95.4
52	31.8	25.4	38.2



#42
1,2-Dichloroethane
Concen: 48.627 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:	62	Resp:	296907
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6

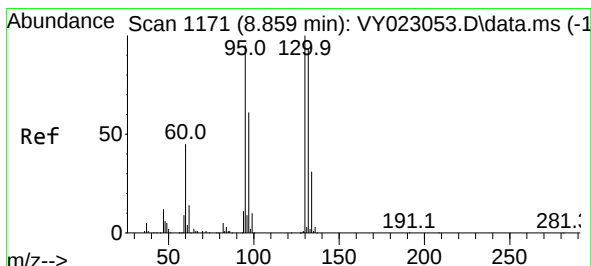
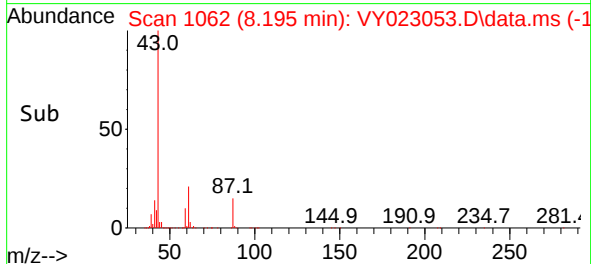
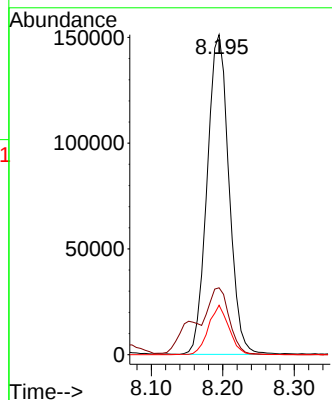
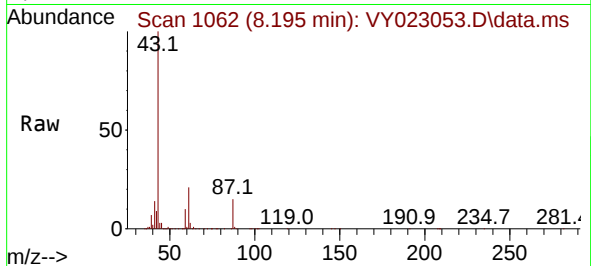




#43
Isopropyl Acetate
Concen: 49.419 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

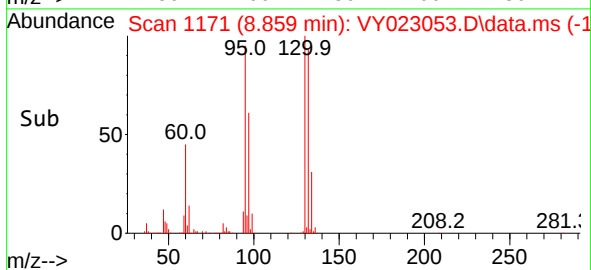
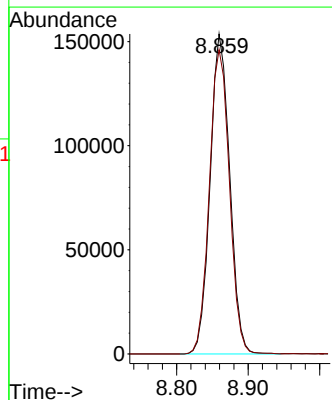
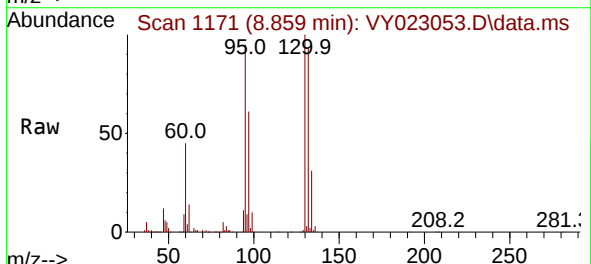
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 319600
Ion Ratio Lower Upper
43 100
61 20.5 16.4 24.6
87 14.7 11.8 17.6



#44
Trichloroethene
Concen: 48.199 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:130 Resp: 292421
Ion Ratio Lower Upper
130 100
95 95.1 0.0 190.2





#45

1,2-Dichloropropane

Concen: 48.938 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

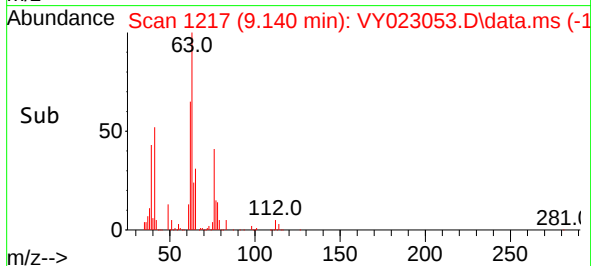
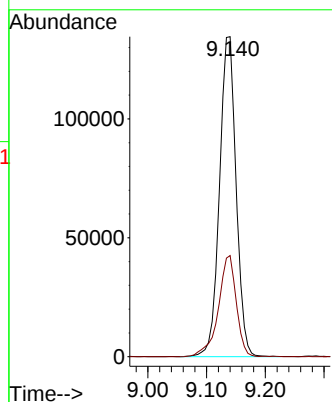
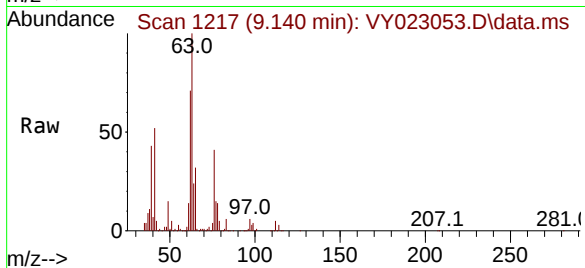
VSTDICCC050

Tgt Ion: 63 Resp: 264354

Ion Ratio Lower Upper

63 100

65 31.6 25.3 37.9



#46

Dibromomethane

Concen: 49.291 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

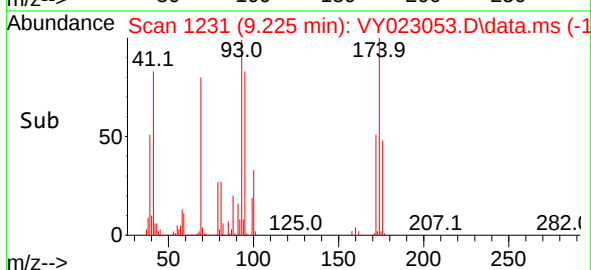
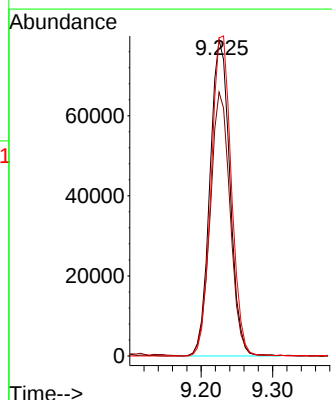
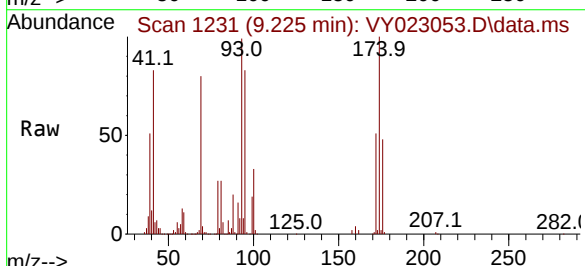
Tgt Ion: 93 Resp: 152822

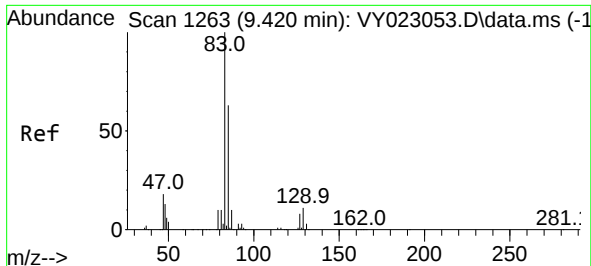
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 102.3 81.8 122.8

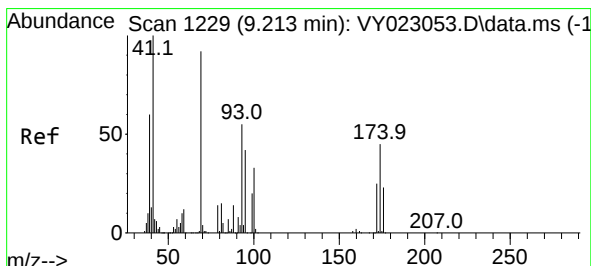
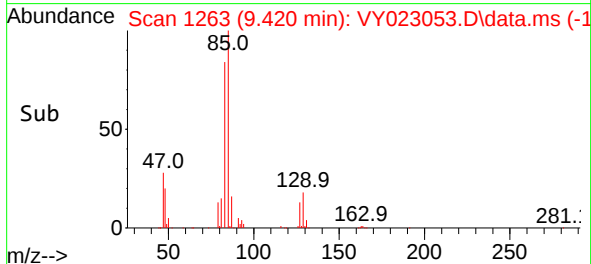
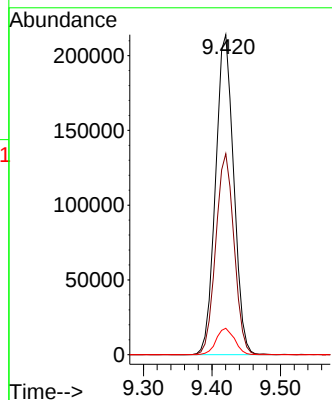
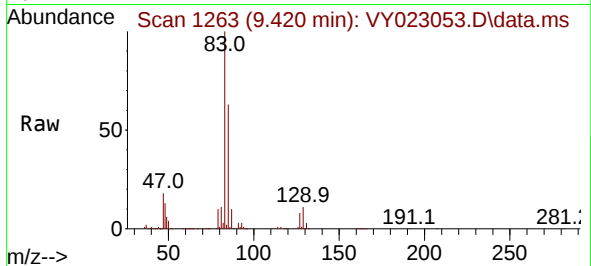




#47
Bromodichloromethane
Concen: 49.327 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

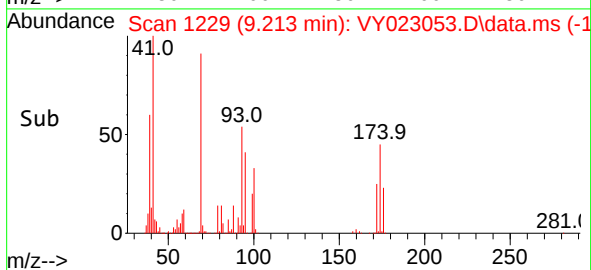
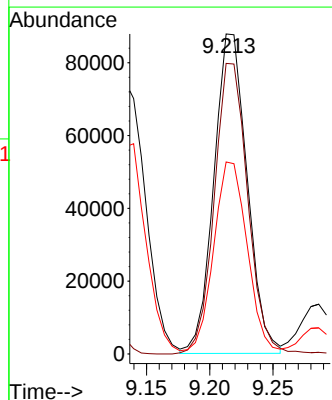
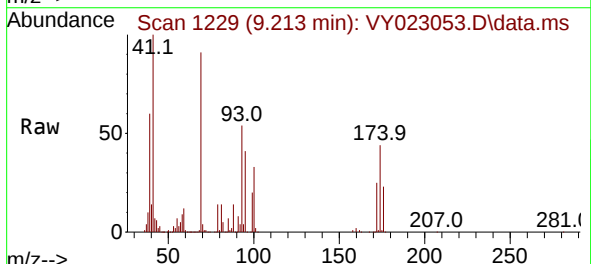
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 393523
Ion Ratio Lower Upper
83 100
85 62.8 50.2 75.4
127 8.3 6.6 10.0



#48
Methyl methacrylate
Concen: 51.958 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 41 Resp: 160792
Ion Ratio Lower Upper
41 100
69 91.5 73.2 109.8
39 58.7 47.0 70.4





#49

1,4-Dioxane

Concen: 997.124 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

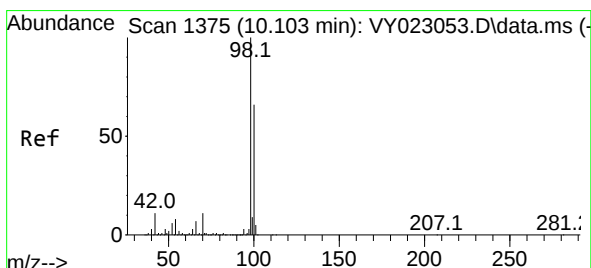
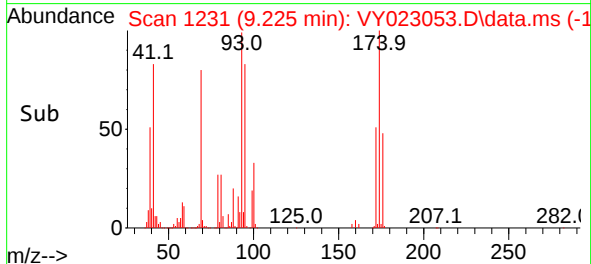
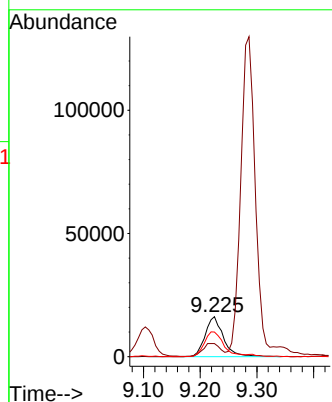
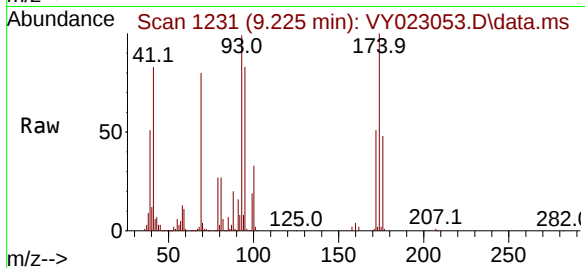
Tgt Ion: 88 Resp: 36249

Ion Ratio Lower Upper

88 100

43 30.4 24.3 36.5

58 69.2 55.4 83.0



#50

Toluene-d8

Concen: 48.899 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023053.D

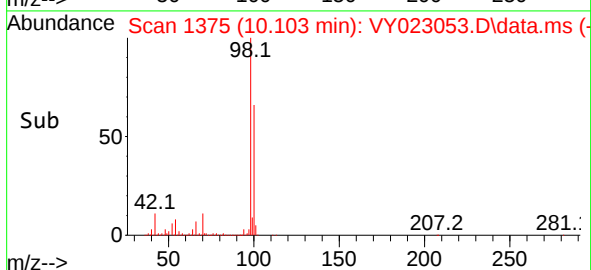
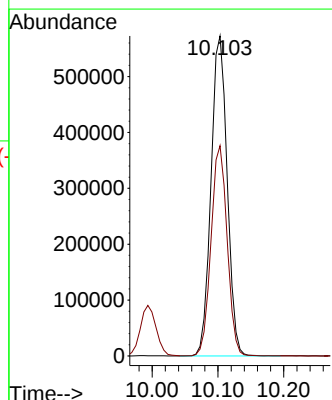
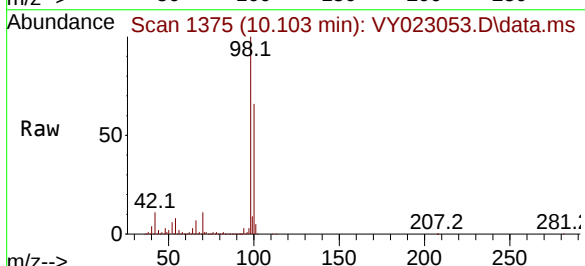
Acq: 12 Aug 2025 16:02

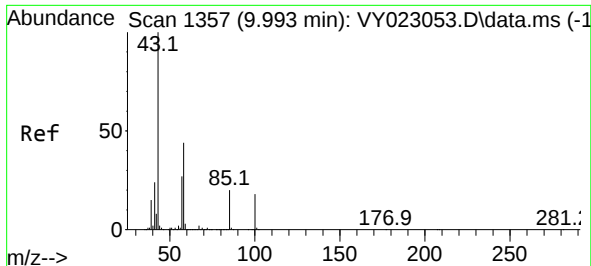
Tgt Ion: 98 Resp: 979082

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 255.710 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

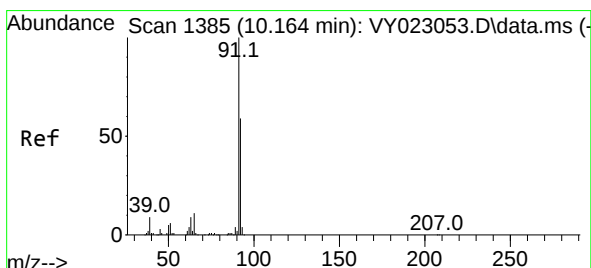
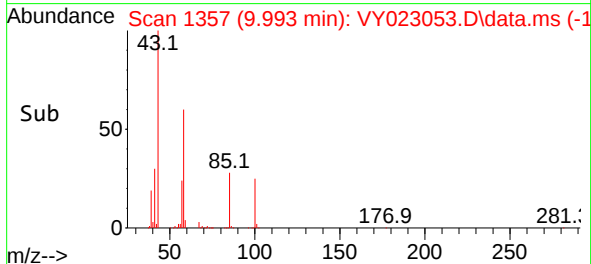
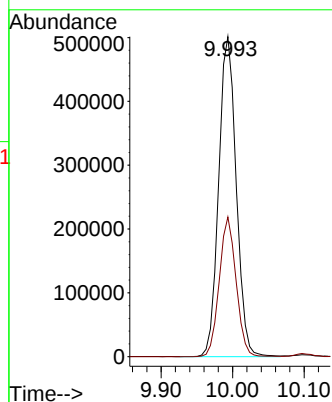
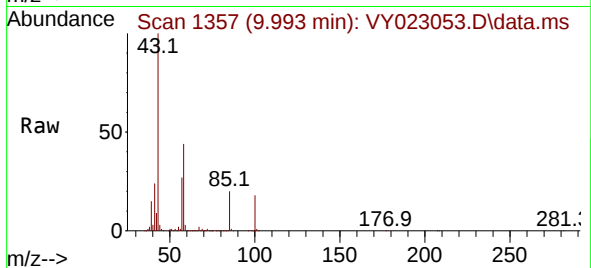
VSTDICCC050

Tgt Ion: 43 Resp: 853025

Ion Ratio Lower Upper

43 100

58 41.9 33.5 50.3



#52

Toluene

Concen: 49.315 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VY023053.D

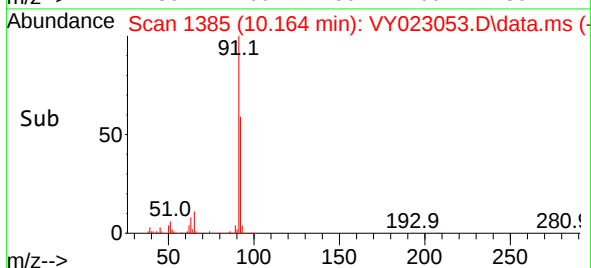
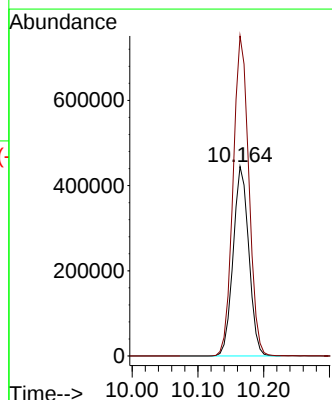
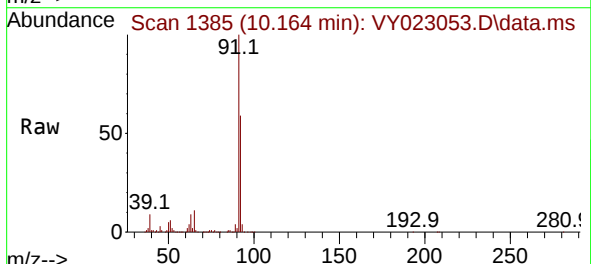
Acq: 12 Aug 2025 16:02

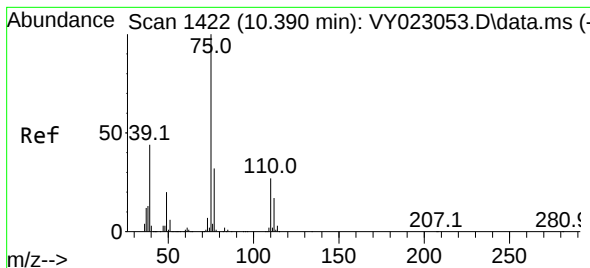
Tgt Ion: 92 Resp: 735326

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6

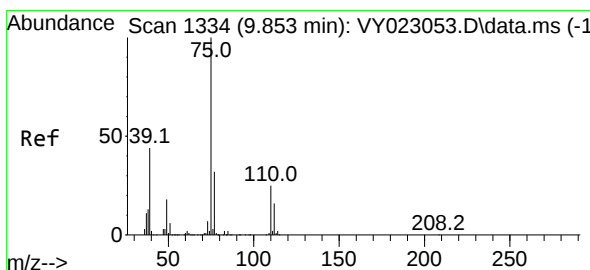
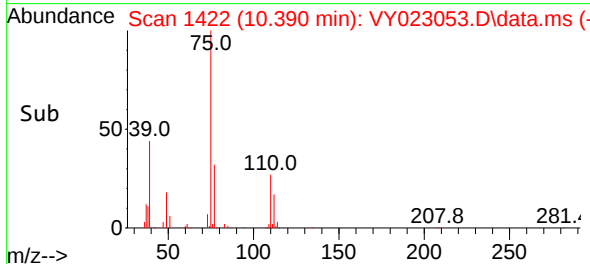
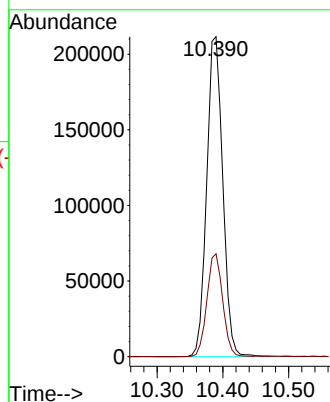
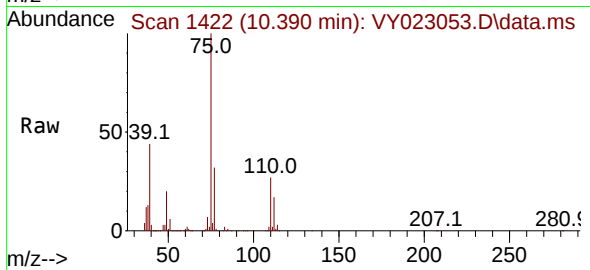




#53
t-1,3-Dichloropropene
Concen: 49.790 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

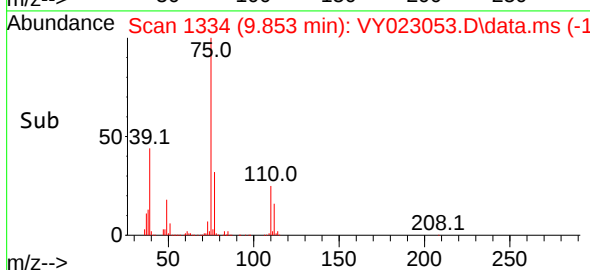
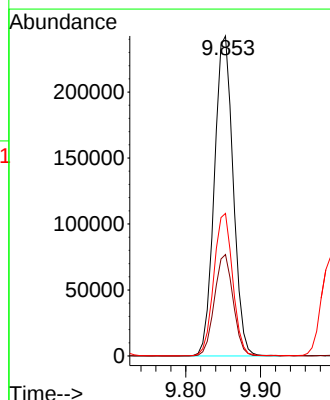
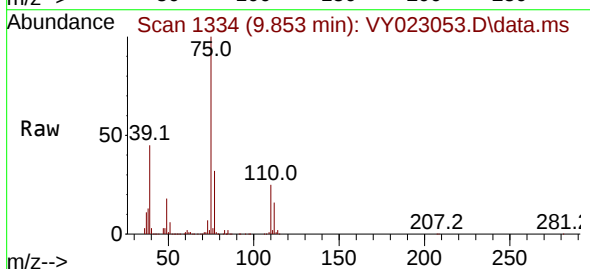
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

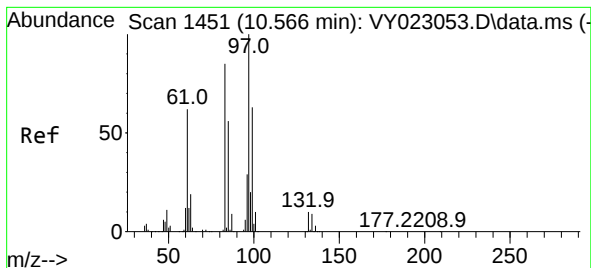
Tgt Ion: 75 Resp: 359698
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 49.731 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 424834
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 44.5 35.6 53.4



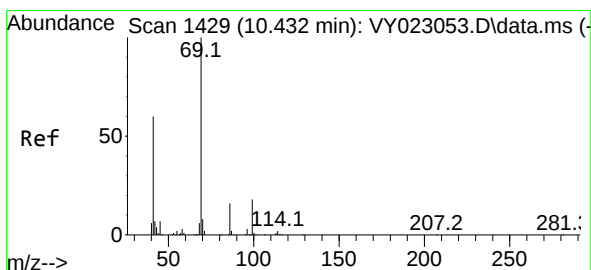
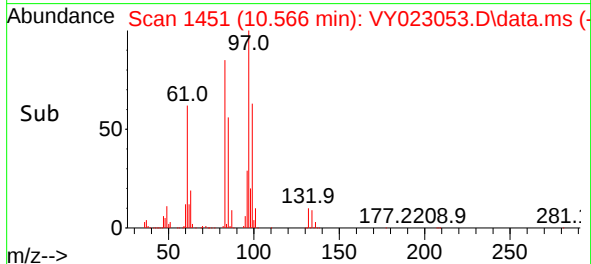
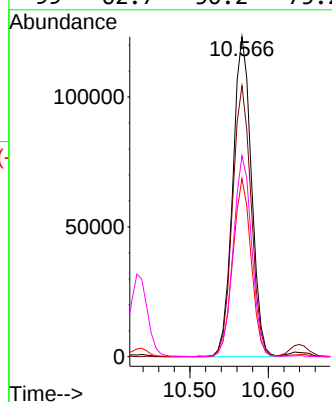
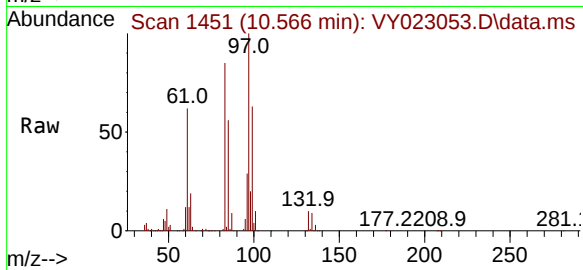


#55
1,1,2-Trichloroethane
Concen: 49.261 ug/l
RT: 10.566 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 204368

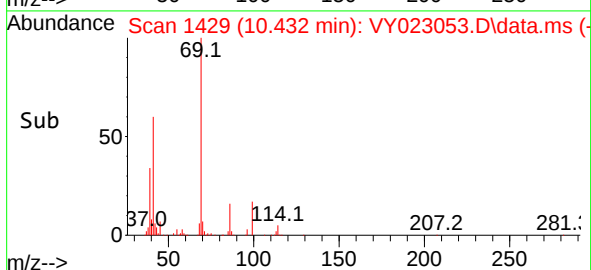
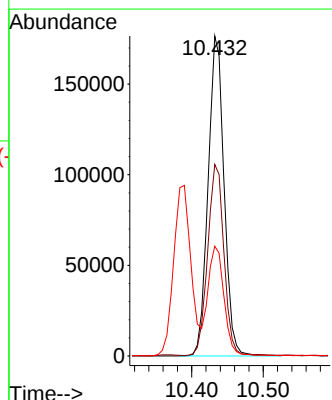
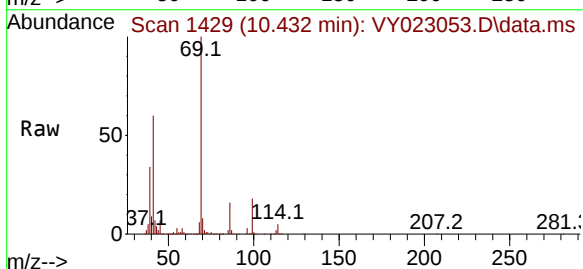
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	55.6	44.5	66.7
99	62.7	50.2	75.2

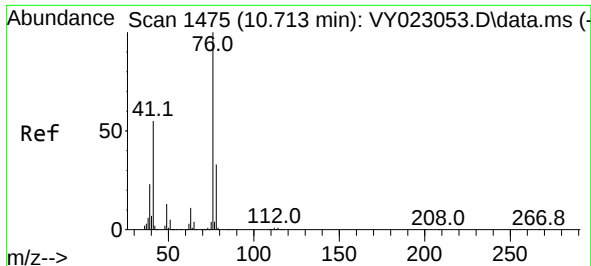


#56
Ethyl methacrylate
Concen: 51.576 ug/l
RT: 10.432 min Scan# 1429
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 69 Resp: 273801

Ion	Ratio	Lower	Upper
69	100		
41	60.7	48.6	72.8
39	33.7	27.0	40.4





#57

1,3-Dichloropropane

Concen: 49.249 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

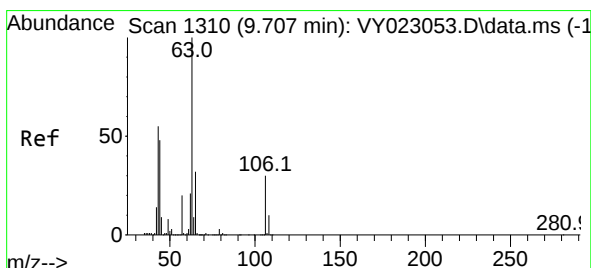
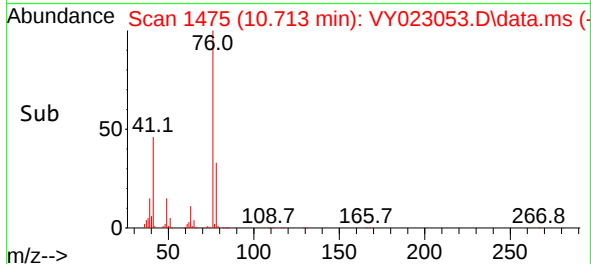
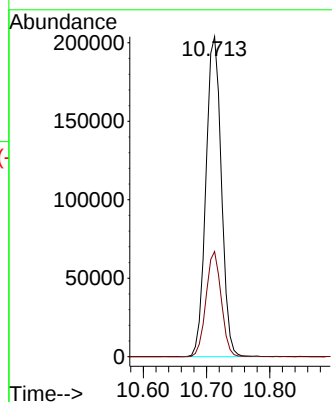
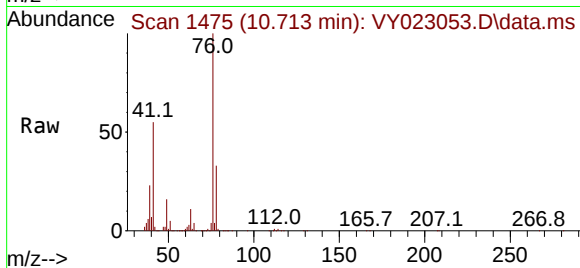
VSTDICCC050

Tgt Ion: 76 Resp: 346510

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 264.906 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY023053.D

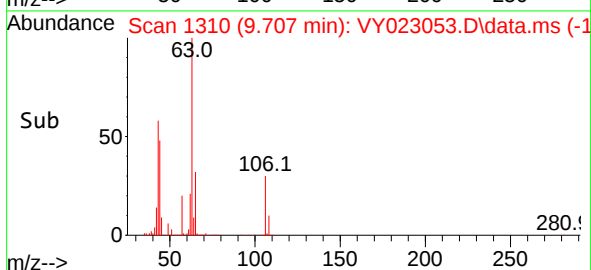
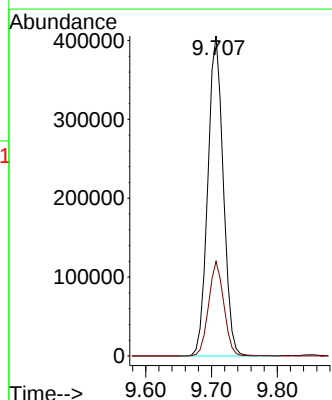
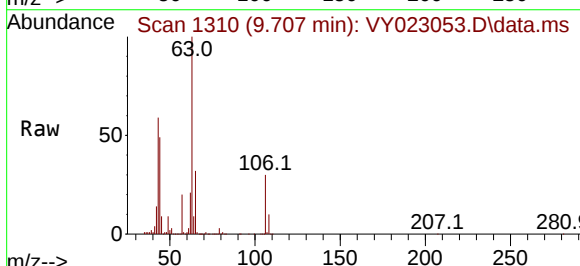
Acq: 12 Aug 2025 16:02

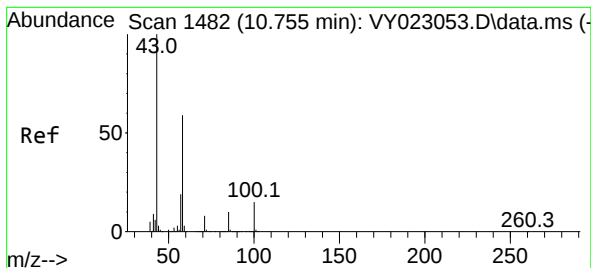
Tgt Ion: 63 Resp: 663351

Ion Ratio Lower Upper

63 100

106 29.0 23.2 34.8

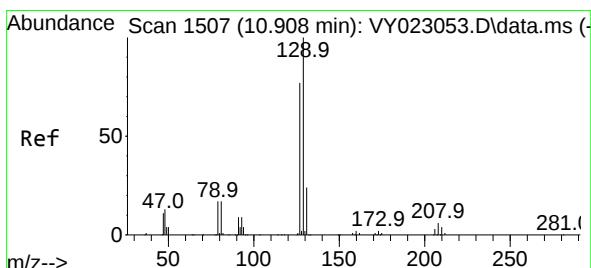
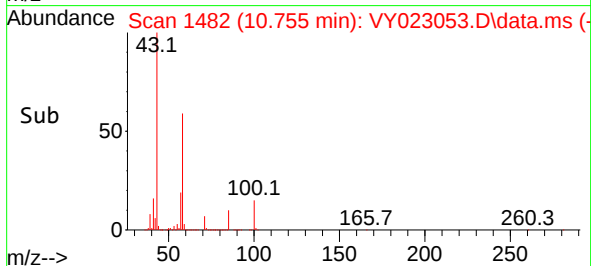
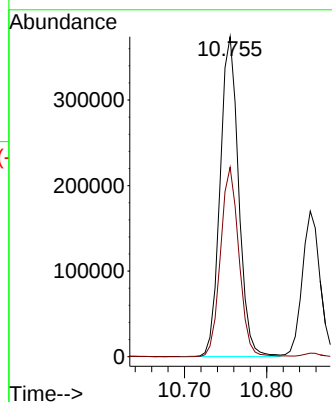
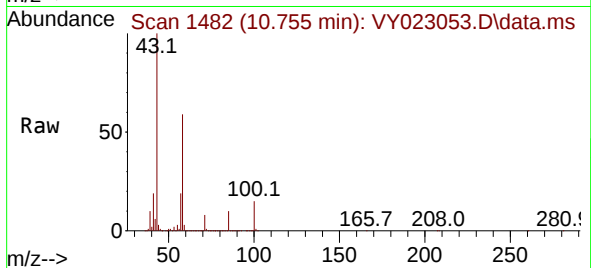




#59
2-Hexanone
Concen: 257.194 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

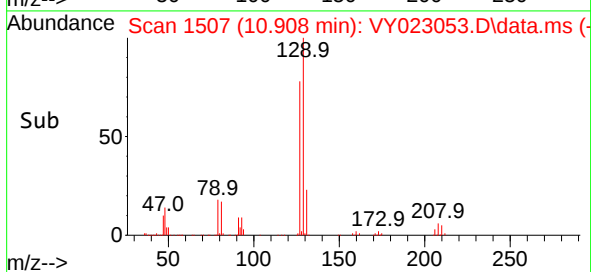
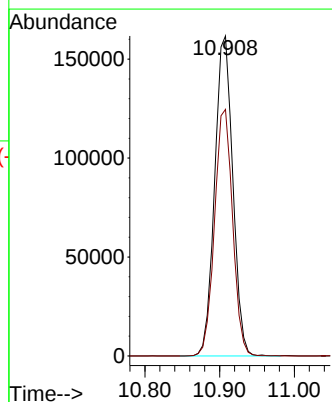
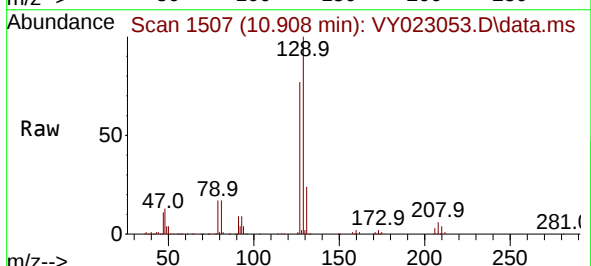
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

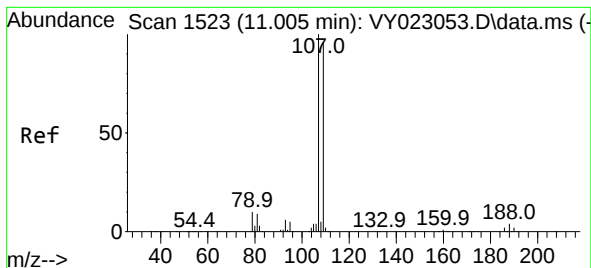
Tgt Ion: 43 Resp: 584223
Ion Ratio Lower Upper
43 100
58 59.0 29.5 88.5



#60
Dibromochloromethane
Concen: 49.719 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 129 Resp: 272171
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

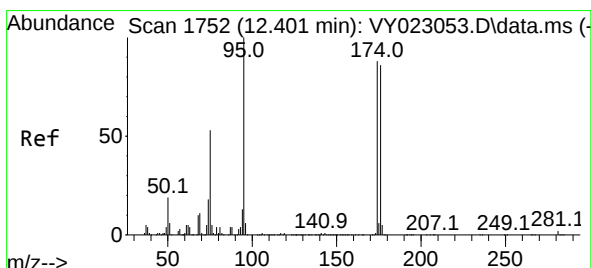
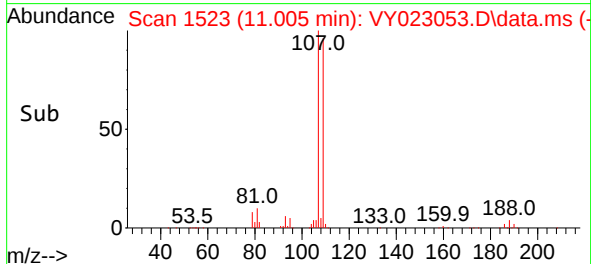
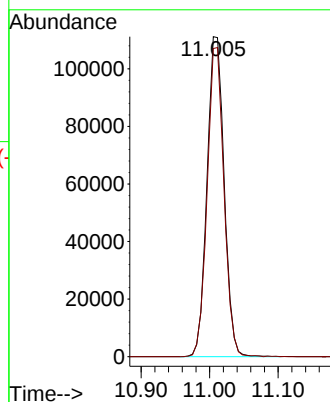
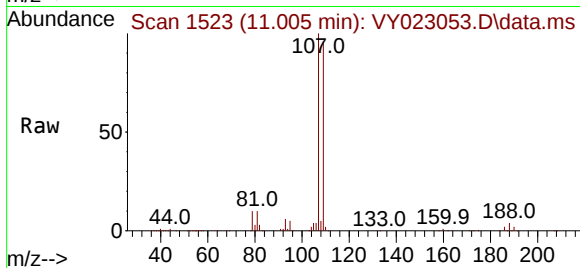




#61
1,2-Dibromoethane
Concen: 49.598 ug/l
RT: 11.005 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

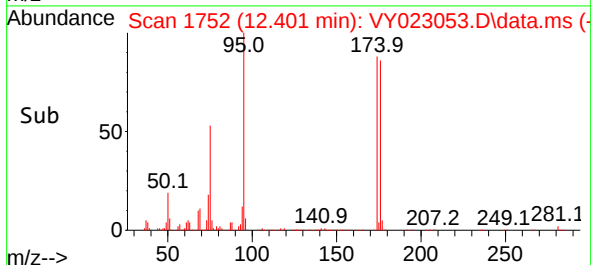
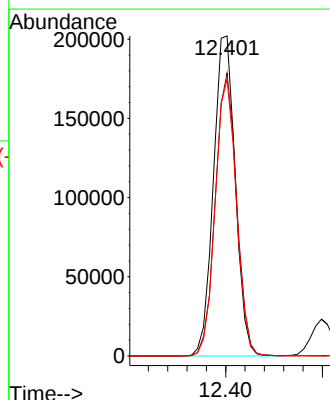
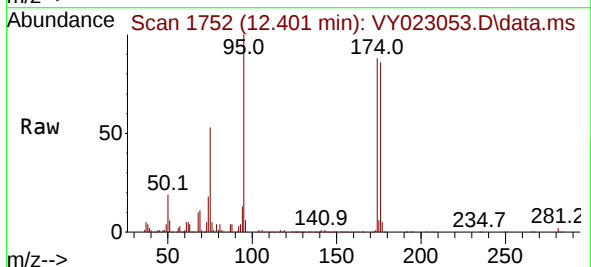
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

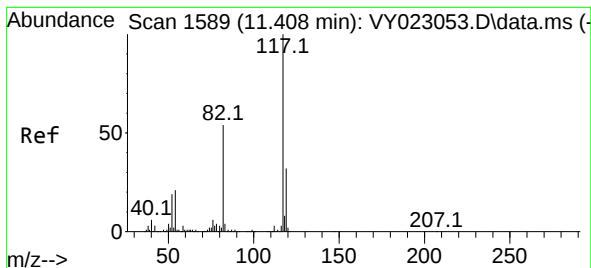
Tgt Ion:107 Resp: 193398
Ion Ratio Lower Upper
107 100
109 94.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 49.194 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 95 Resp: 316770
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 83.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.408 min Scan# 1589

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

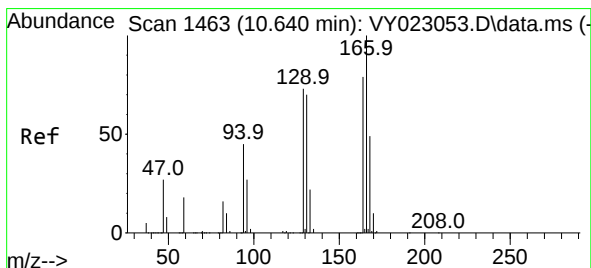
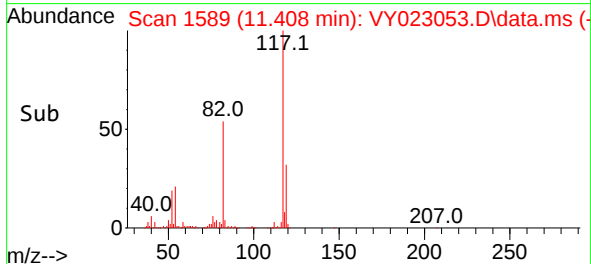
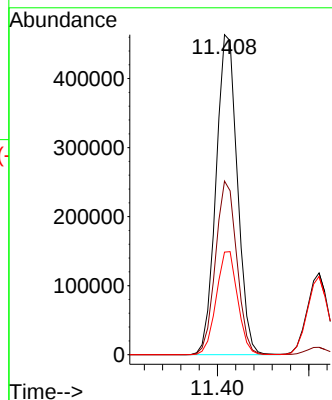
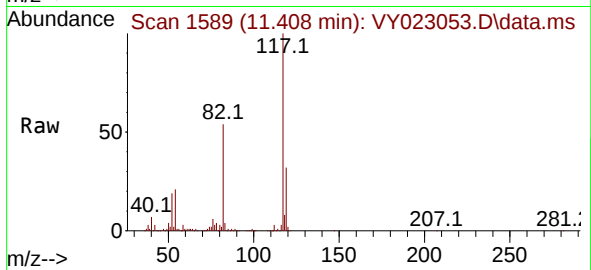
Tgt Ion:117 Resp: 751969

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 32.0 25.6 38.4



#64

Tetrachloroethene

Concen: 48.740 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion:164 Resp: 327271

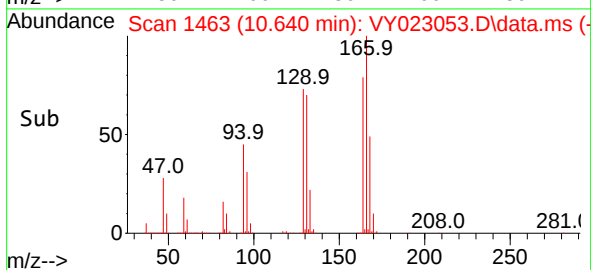
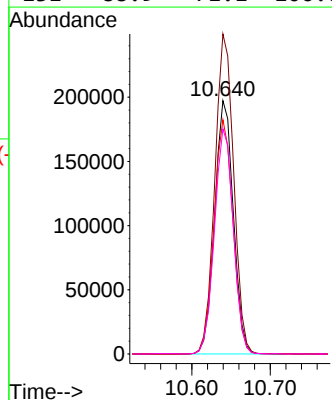
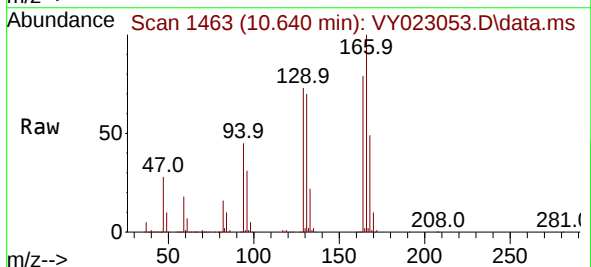
Ion Ratio Lower Upper

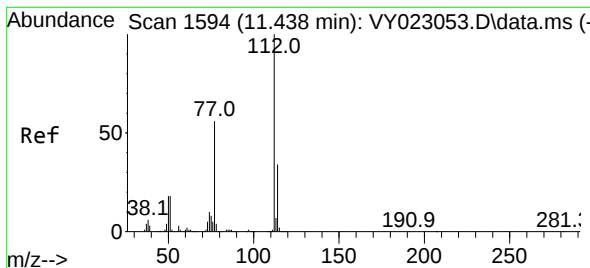
164 100

166 126.4 101.1 151.7

129 92.5 74.0 111.0

131 88.9 71.1 106.7

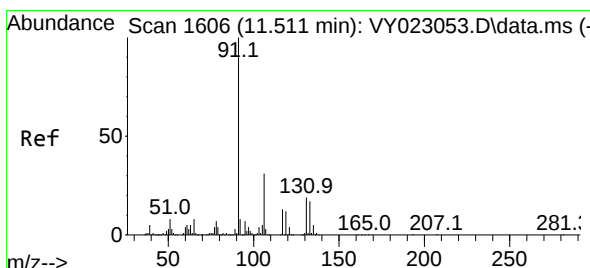
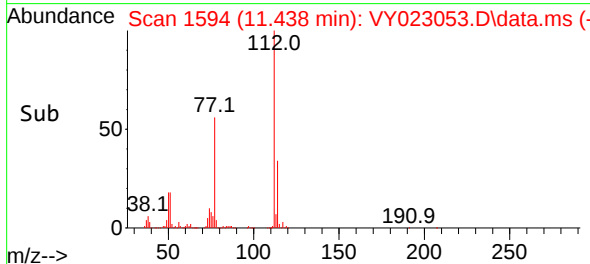
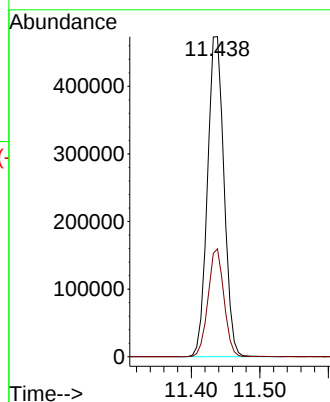
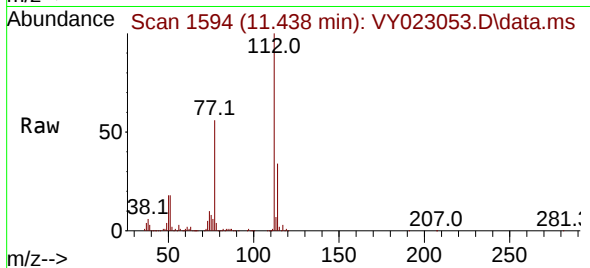




#65
Chlorobenzene
Concen: 48.920 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

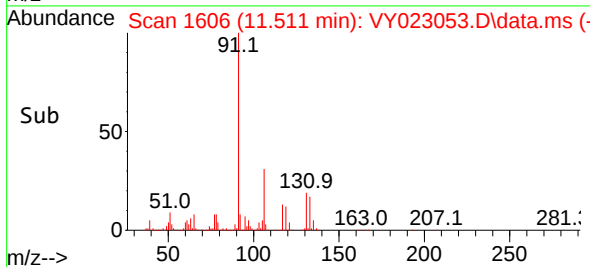
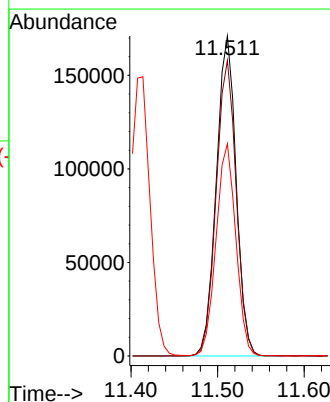
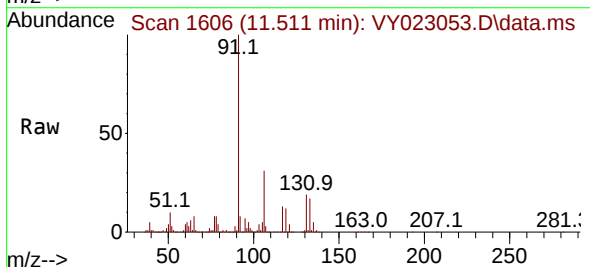
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

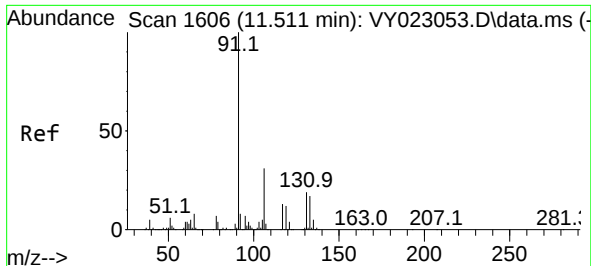
Tgt Ion:112 Resp: 793490
Ion Ratio Lower Upper
112 100
114 33.7 27.0 40.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.381 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:131 Resp: 271839
Ion Ratio Lower Upper
131 100
133 93.7 46.9 140.6
119 66.4 33.2 99.6

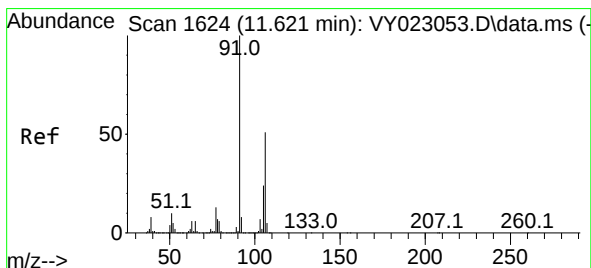
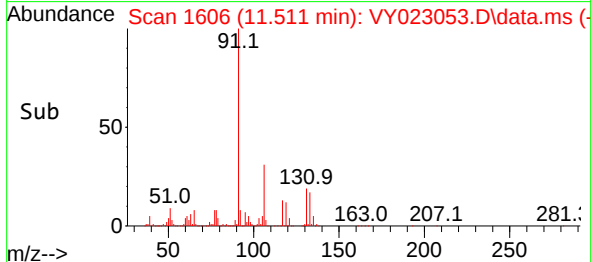
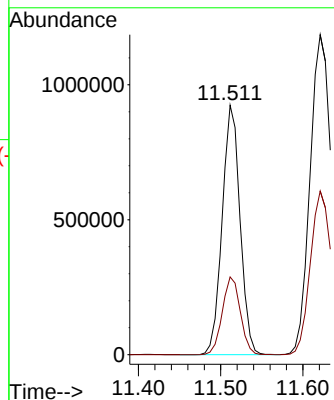
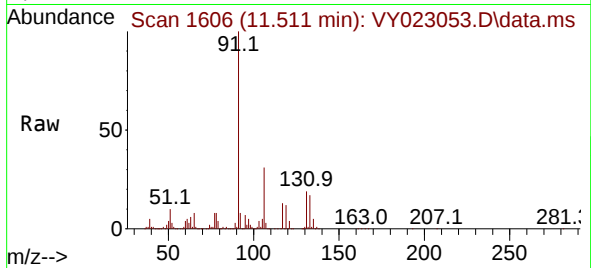




#67
Ethyl Benzene
Concen: 50.073 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

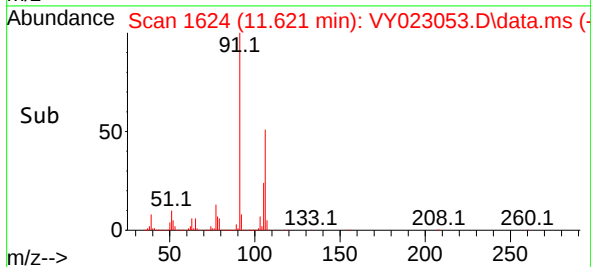
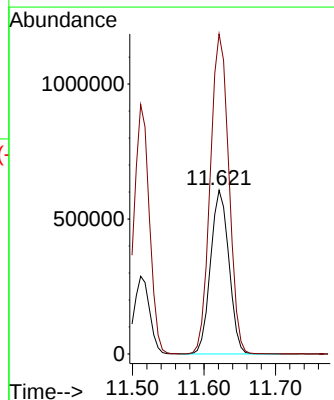
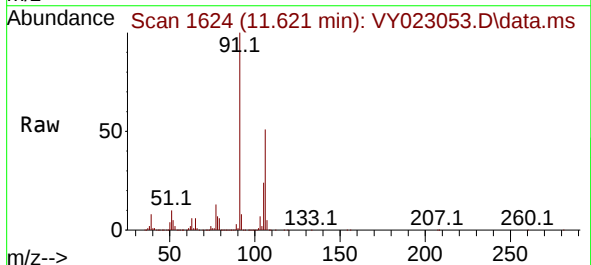
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

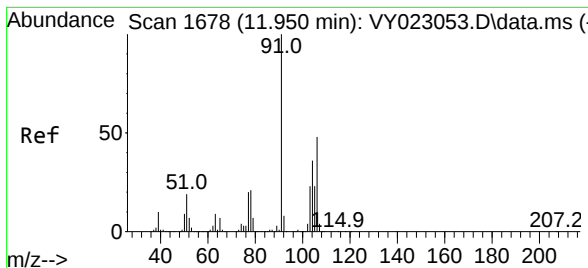
Tgt Ion: 91 Resp: 1397704
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 99.103 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:106 Resp: 1080401
Ion Ratio Lower Upper
106 100
91 198.3 158.6 238.0

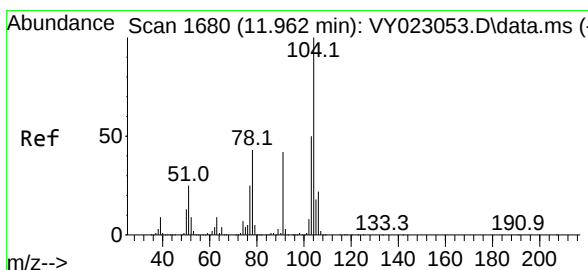
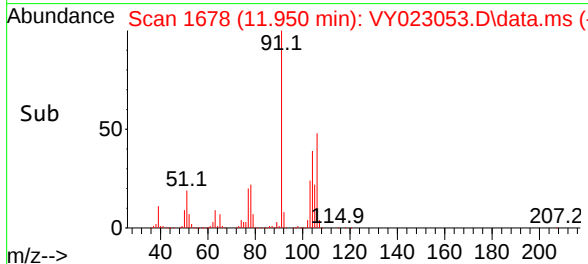
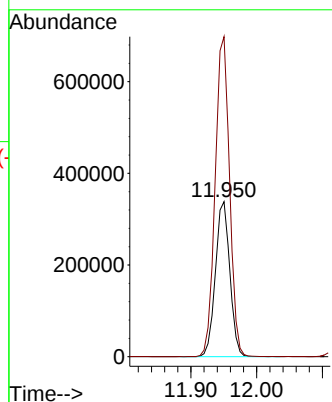
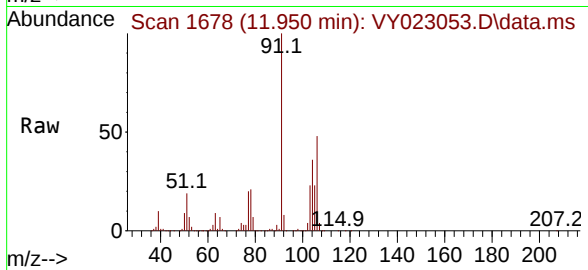




#69
o-Xylene
Concen: 50.536 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

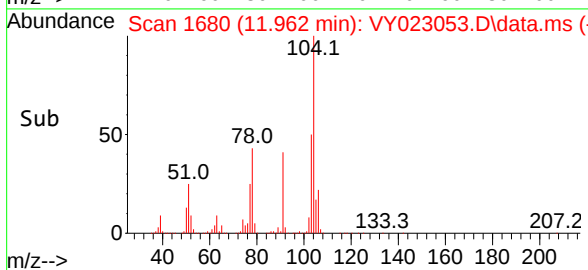
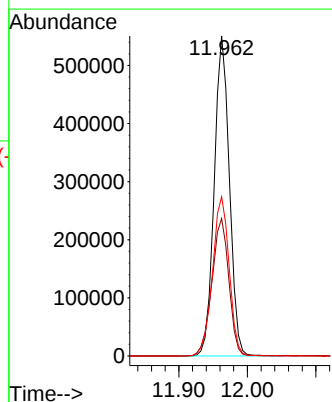
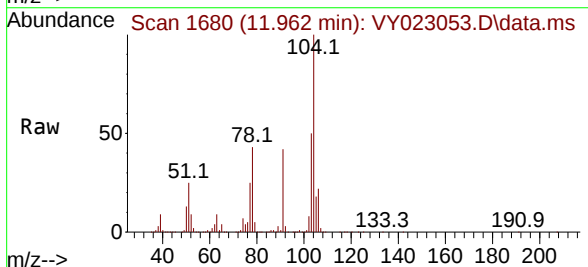
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 516002
Ion Ratio Lower Upper
106 100
91 206.3 103.2 309.4



#70
Styrene
Concen: 50.569 ug/l
RT: 11.962 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:104 Resp: 844409
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.6 43.7 65.5





#71

Bromoform

Concen: 49.969 ug/l

RT: 12.127 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

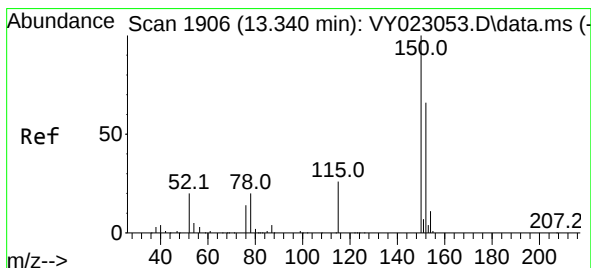
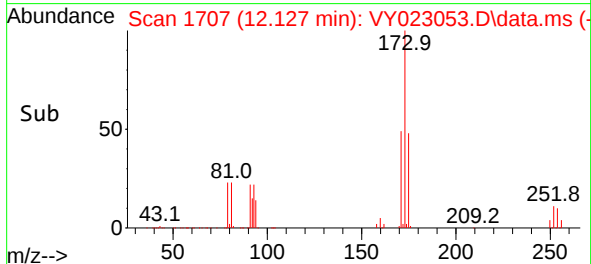
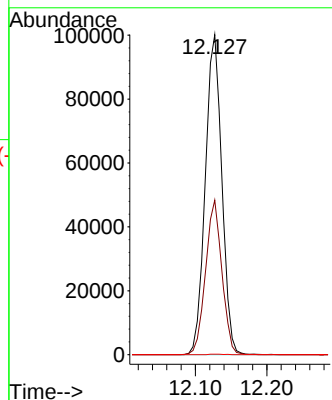
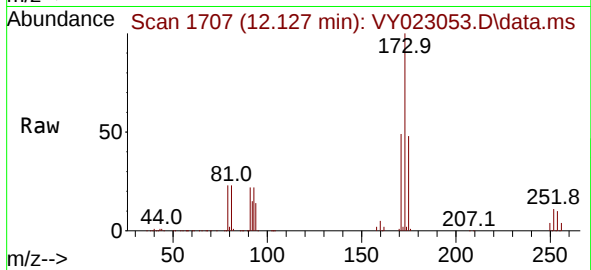
Tgt Ion:173 Resp: 160769

Ion Ratio Lower Upper

173 100

175 47.8 23.9 71.7

254 0.1 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: VY023053.D

Acq: 12 Aug 2025 16:02

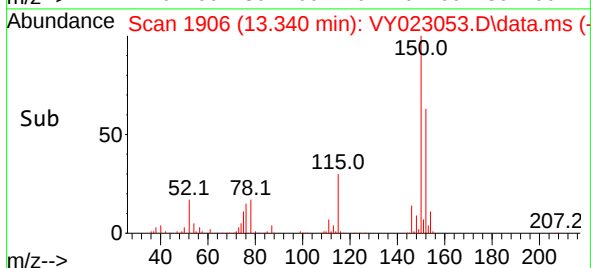
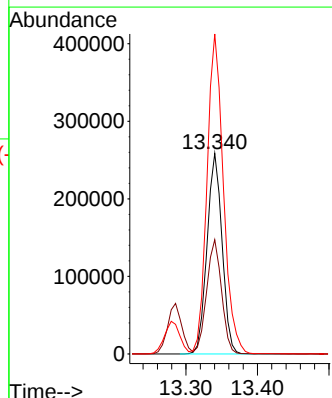
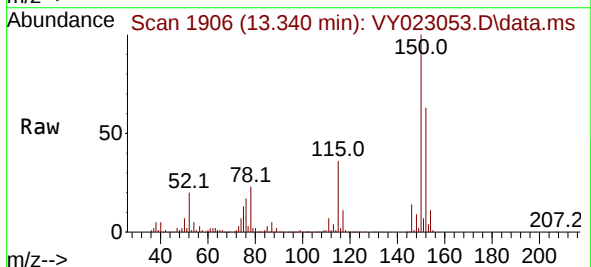
Tgt Ion:152 Resp: 377839

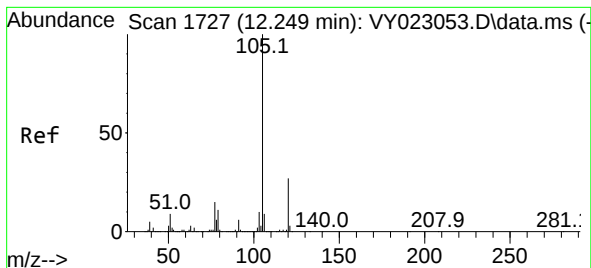
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 174.0 0.0 348.0





#73

Isopropylbenzene

Concen: 49.660 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

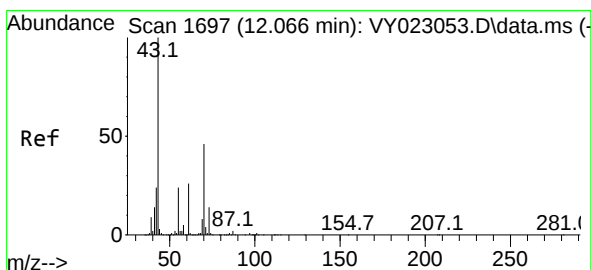
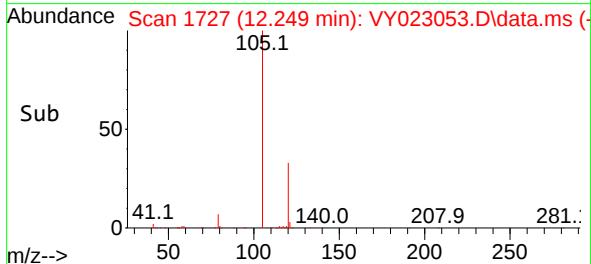
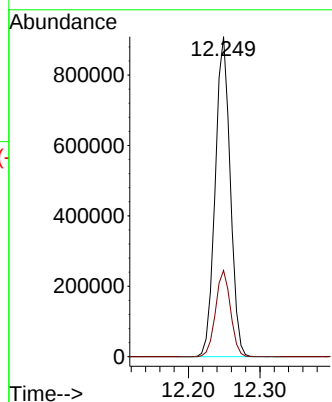
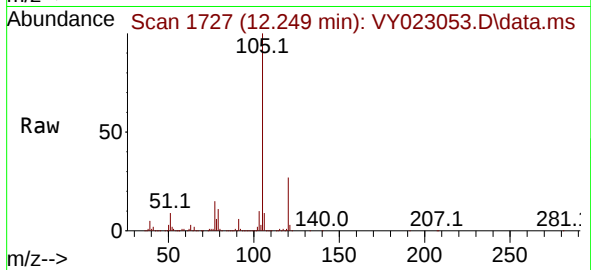
VSTDICCC050

Tgt Ion:105 Resp: 1324313

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 51.264 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion: 43 Resp: 289914

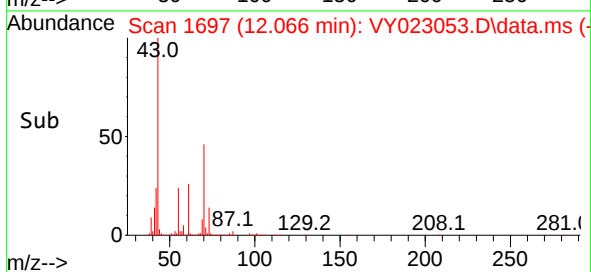
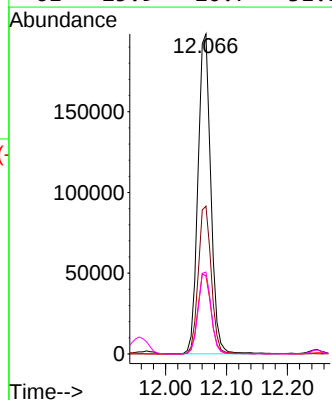
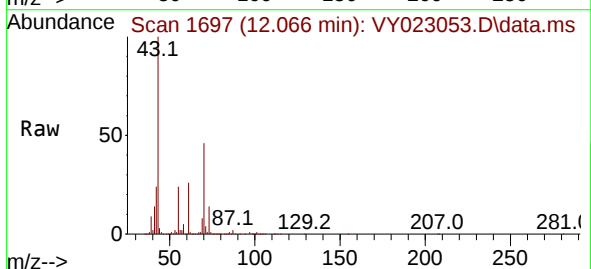
Ion Ratio Lower Upper

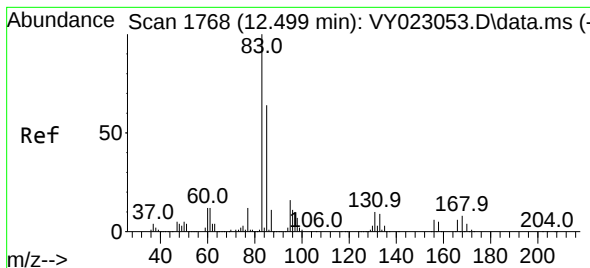
43 100

70 46.9 37.5 56.3

55 25.9 20.7 31.1

61 25.9 20.7 31.1

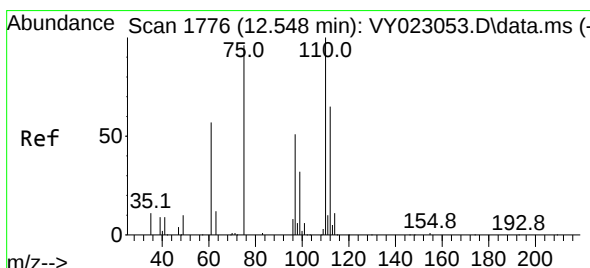
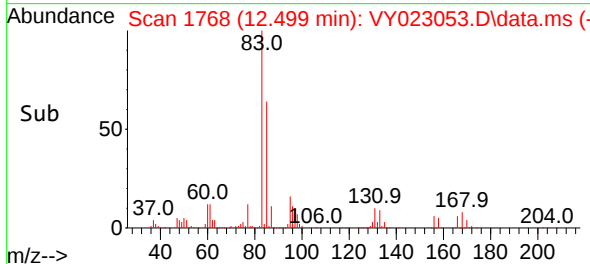
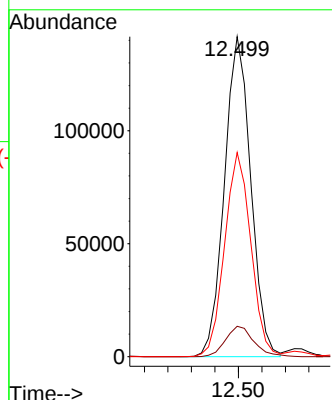
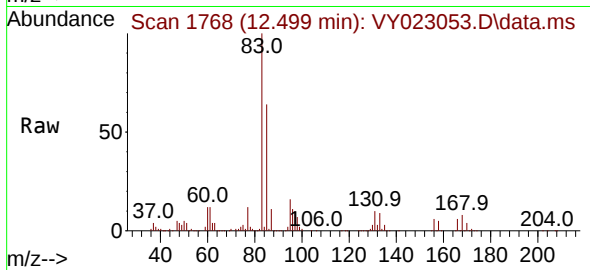




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.503 ug/l
 RT: 12.499 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

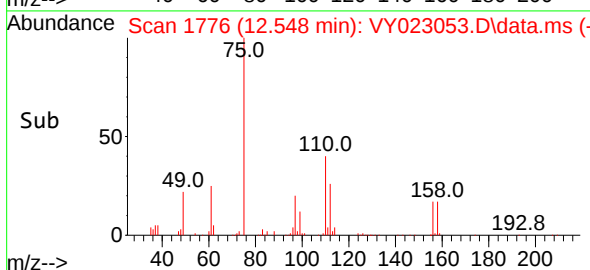
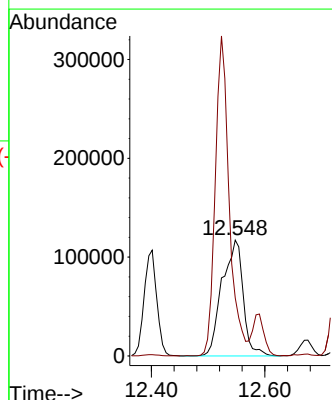
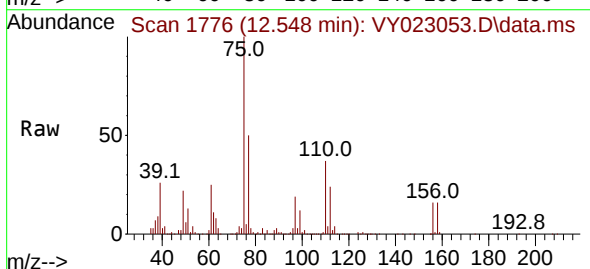
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

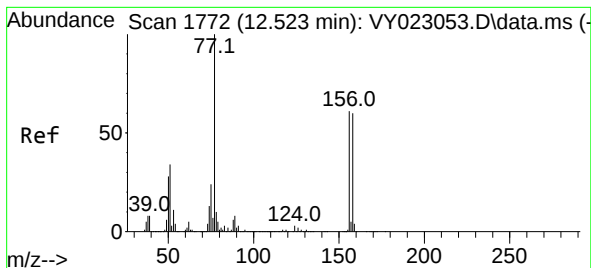
Tgt Ion: 83 Resp: 220853
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.1 15.3
 85 63.5 31.8 95.3



#76
 1,2,3-Trichloropropane
 Concen: 83.064 ug/l
 RT: 12.548 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 303093
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.152 ug/l

RT: 12.523 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

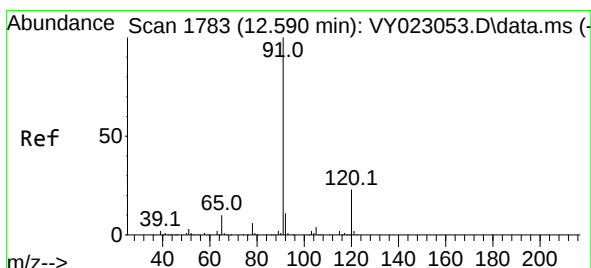
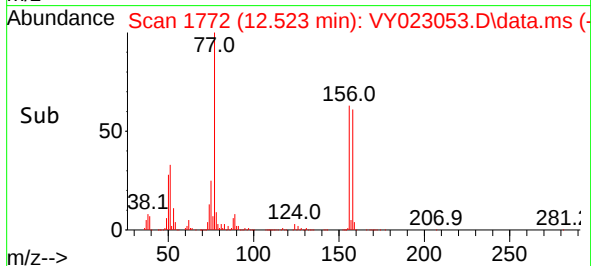
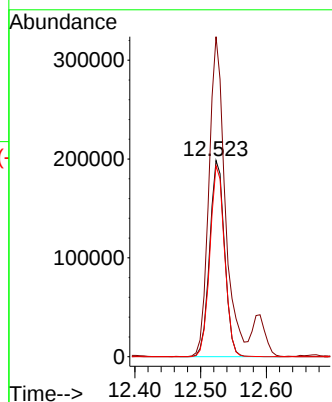
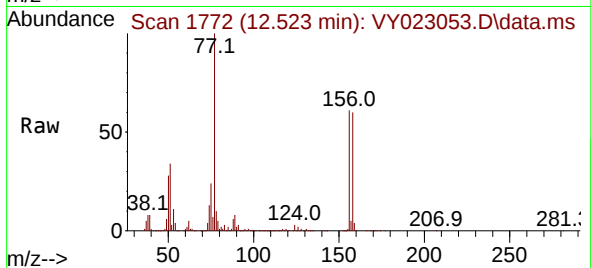
Tgt Ion:156 Resp: 312706

Ion Ratio Lower Upper

156 100

77 176.3 88.1 264.4

158 96.0 48.0 144.0



#78

n-propylbenzene

Concen: 50.186 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. 0.000 min

Lab File: VY023053.D

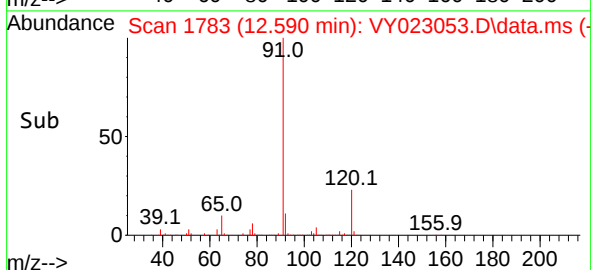
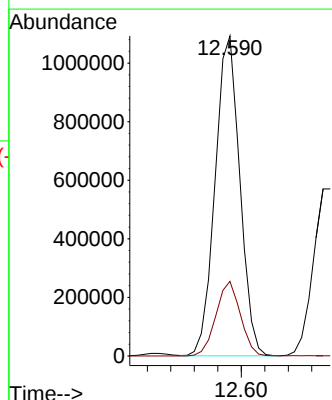
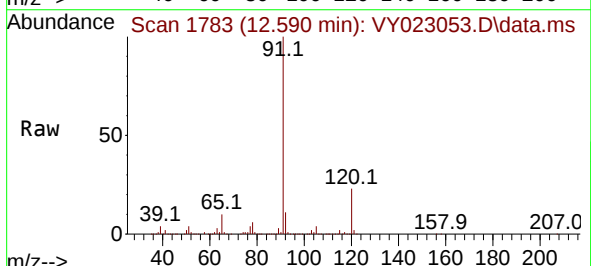
Acq: 12 Aug 2025 16:02

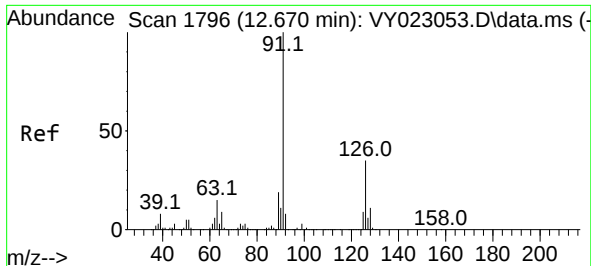
Tgt Ion: 91 Resp: 1593368

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.5





#79

2-Chlorotoluene

Concen: 49.473 ug/l

RT: 12.670 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

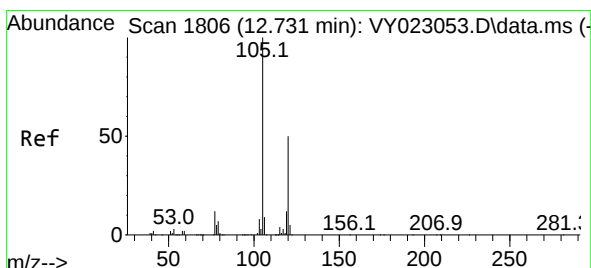
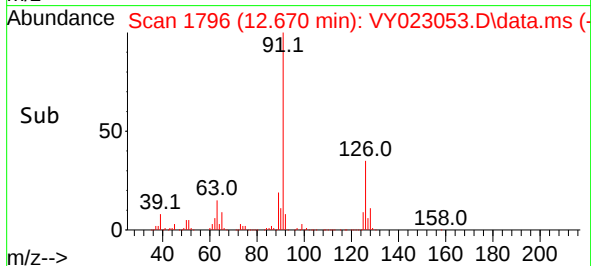
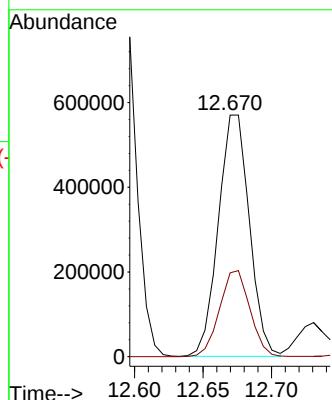
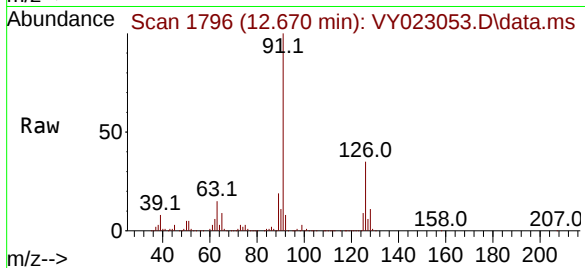
VSTDICCC050

Tgt Ion: 91 Resp: 899967

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.126 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY023053.D

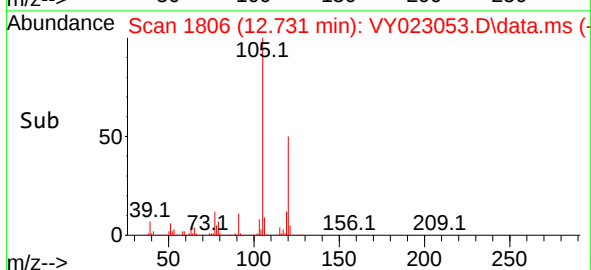
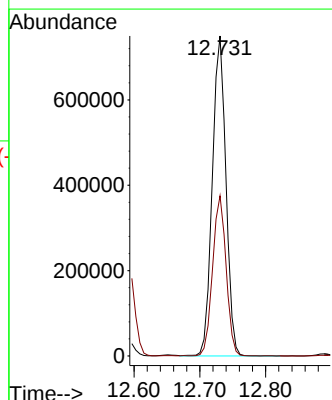
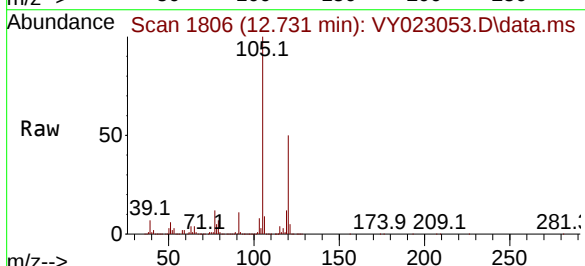
Acq: 12 Aug 2025 16:02

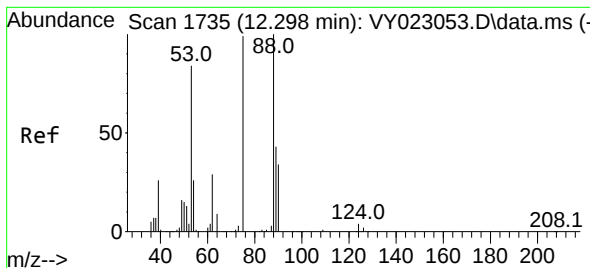
Tgt Ion:105 Resp: 1080333

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4

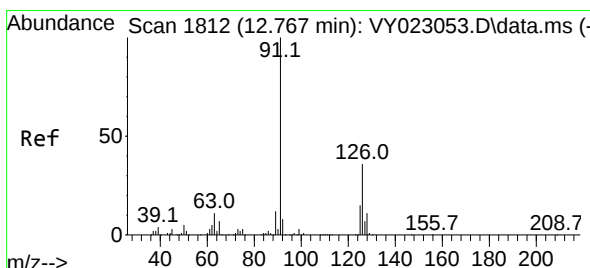
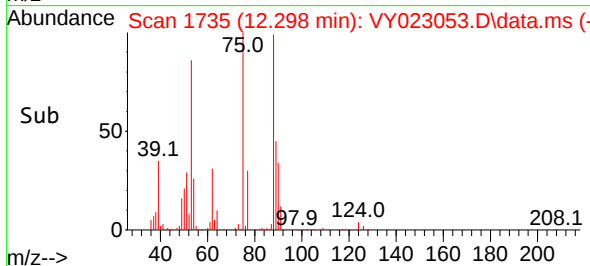
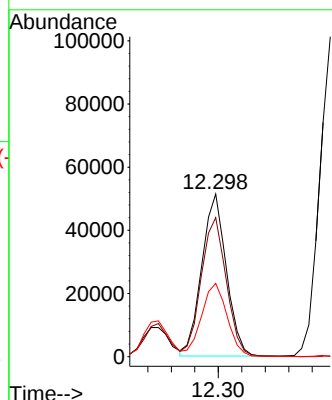
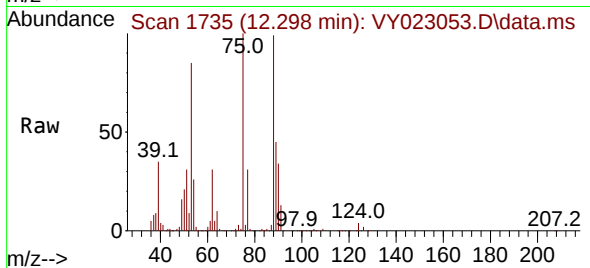




#81
trans-1,4-Dichloro-2-butene
Concen: 49.500 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

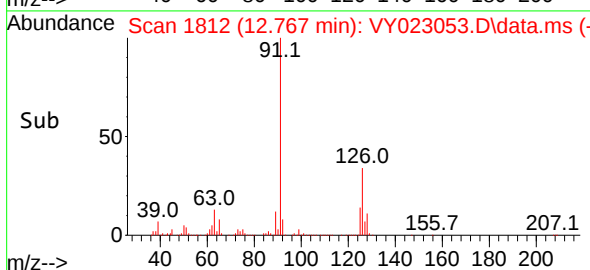
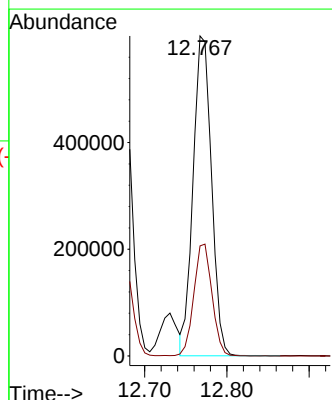
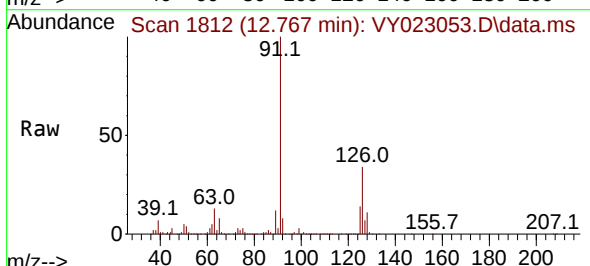
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

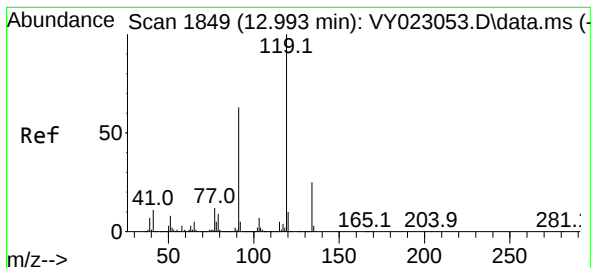
Tgt Ion: 75 Resp: 74567
Ion Ratio Lower Upper
75 100
53 88.5 70.8 106.2
89 47.6 38.1 57.1



#82
4-Chlorotoluene
Concen: 49.299 ug/l
RT: 12.767 min Scan# 1812
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 91 Resp: 930329
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0

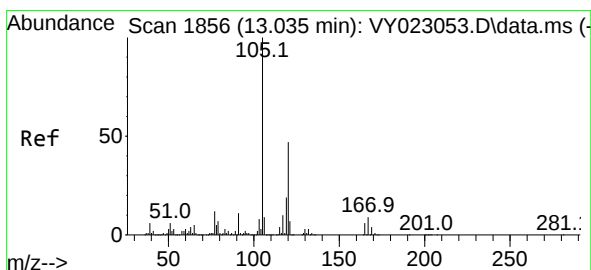
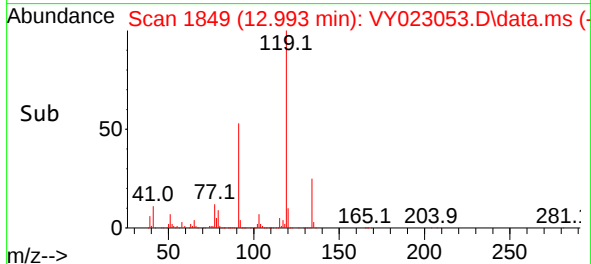
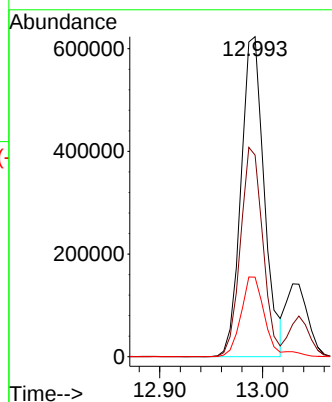
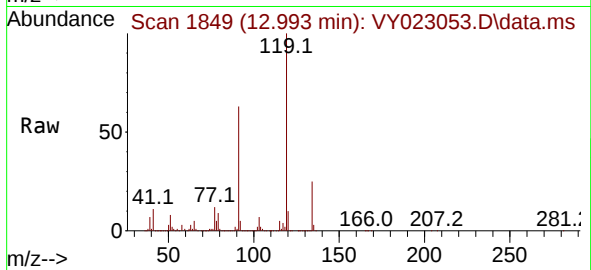




#83
tert-Butylbenzene
Concen: 50.244 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

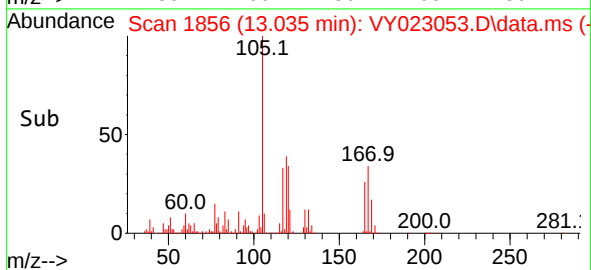
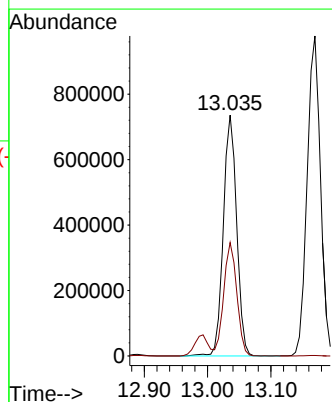
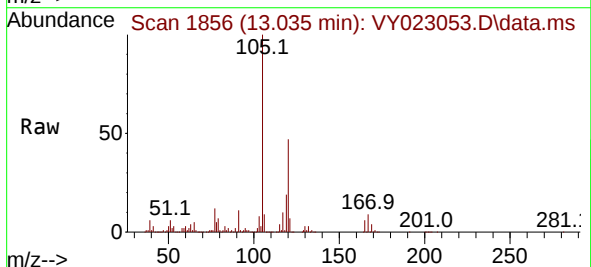
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

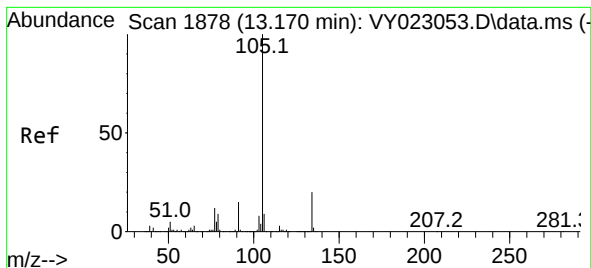
Tgt Ion:119 Resp: 978031
Ion Ratio Lower Upper
119 100
91 63.2 31.6 94.8
134 25.8 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 49.963 ug/l
RT: 13.035 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion:105 Resp: 1071926
Ion Ratio Lower Upper
105 100
120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 49.854 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

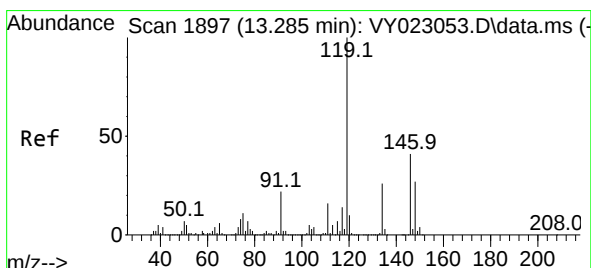
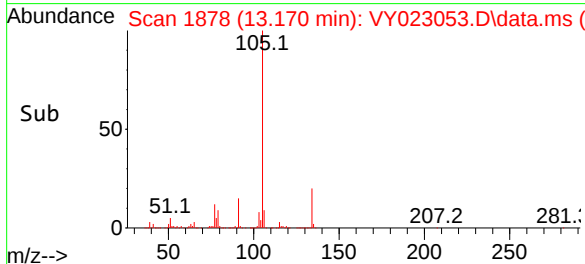
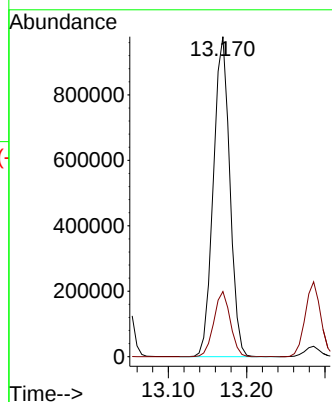
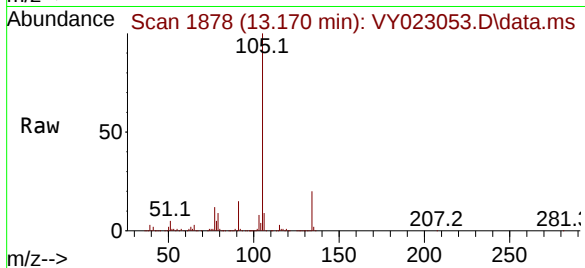
VSTDICCC050

Tgt Ion:105 Resp: 1425553

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 50.417 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

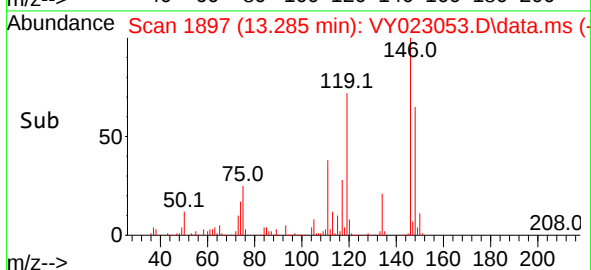
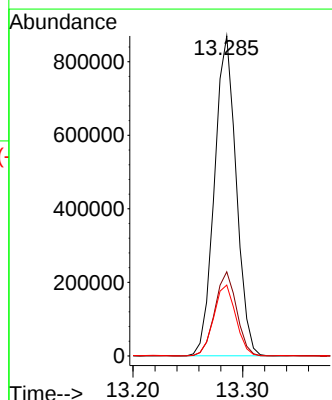
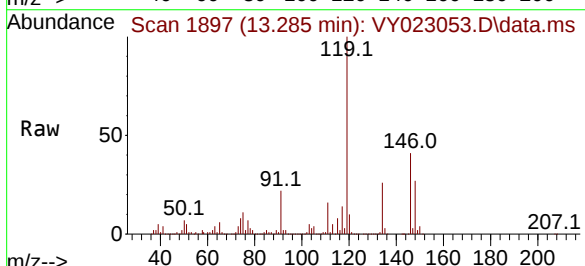
Tgt Ion:119 Resp: 1196645

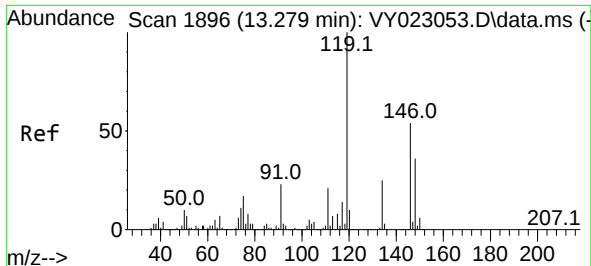
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

91 22.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 48.481 ug/l

RT: 13.279 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

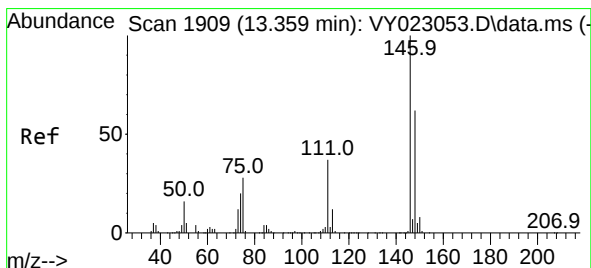
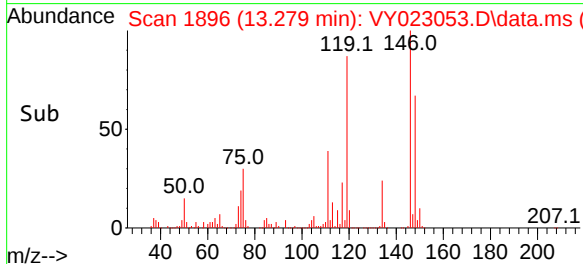
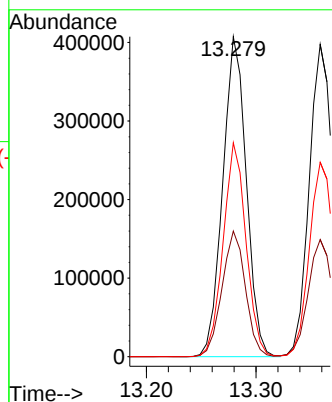
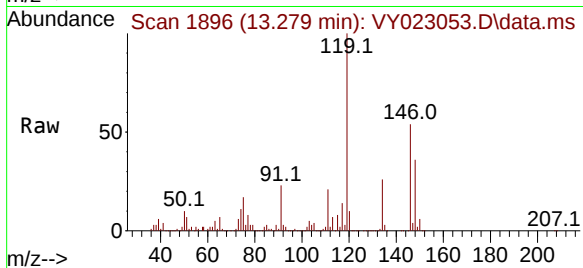
Tgt Ion:146 Resp: 608249

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

148 65.0 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 48.618 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

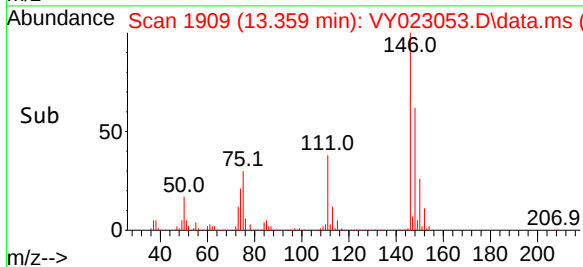
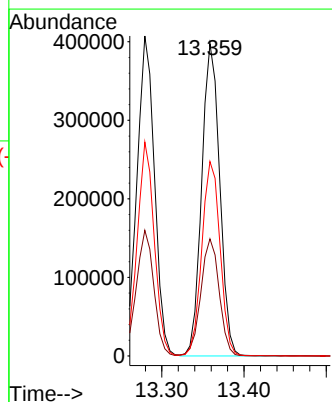
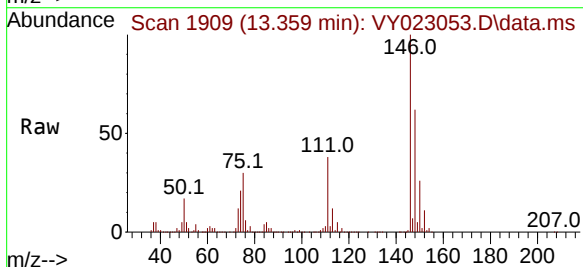
Tgt Ion:146 Resp: 605079

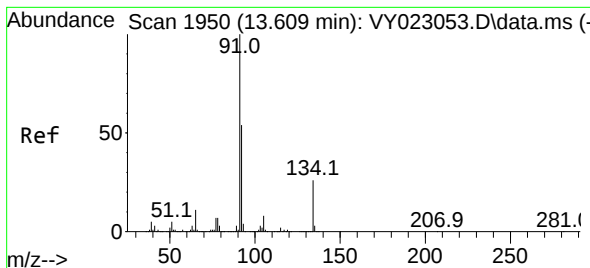
Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

148 63.1 31.6 94.7

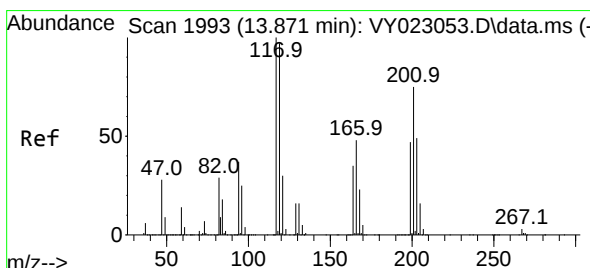
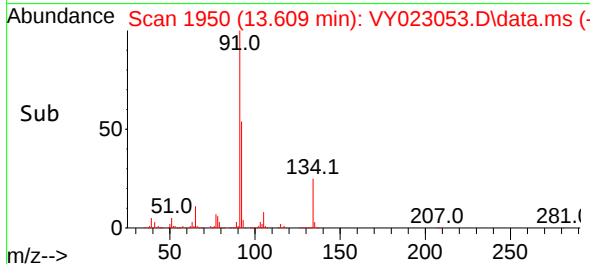
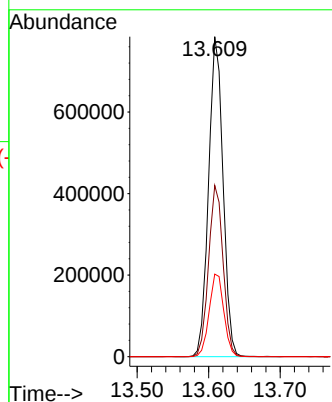
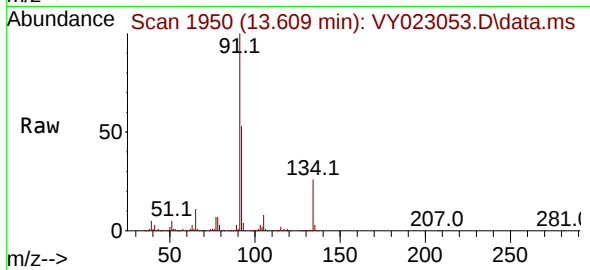




#89
n-Butylbenzene
Concen: 50.454 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

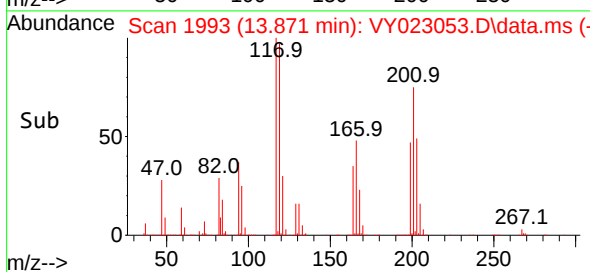
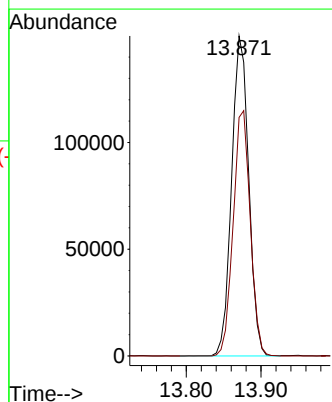
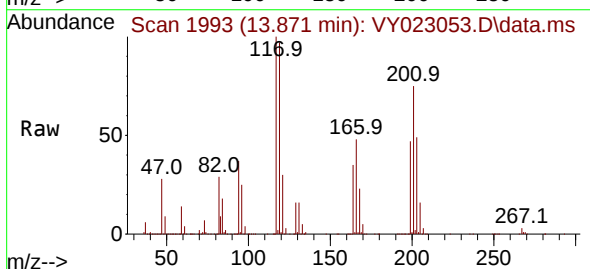
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

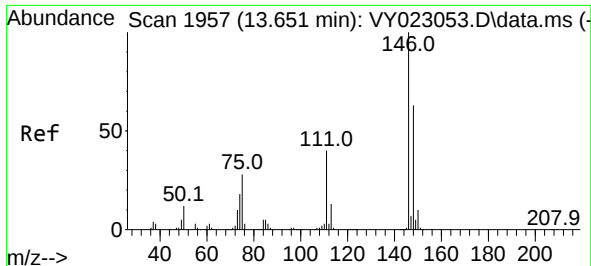
Tgt Ion: 91 Resp: 1099864
Ion Ratio Lower Upper
91 100
92 53.8 26.9 80.7
134 26.3 13.2 39.5



#90
Hexachloroethane
Concen: 48.984 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VY023053.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 117 Resp: 238005
Ion Ratio Lower Upper
117 100
201 76.7 38.4 115.1

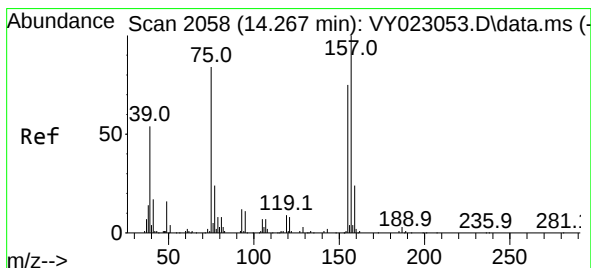
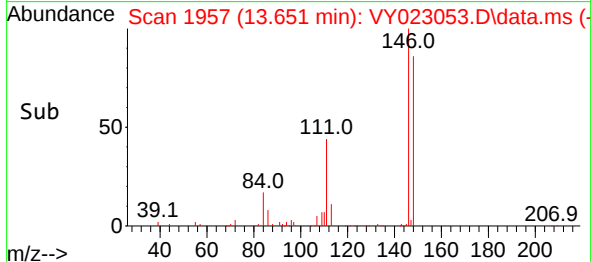
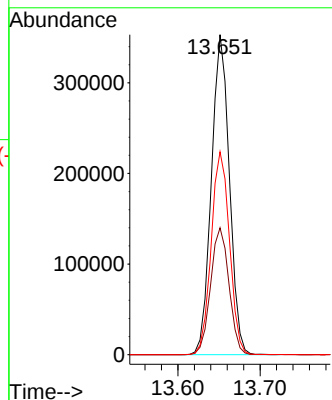
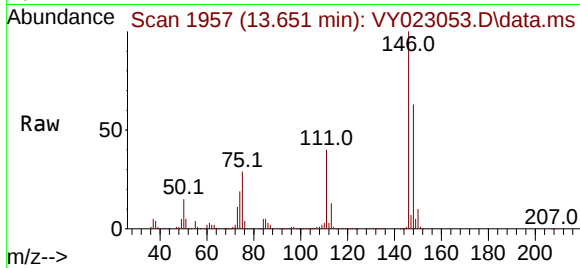




#91
 1,2-Dichlorobenzene
 Concen: 48.772 ug/l
 RT: 13.651 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

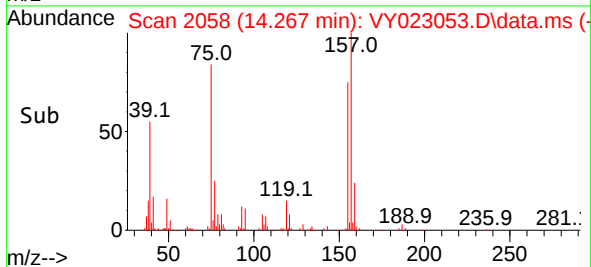
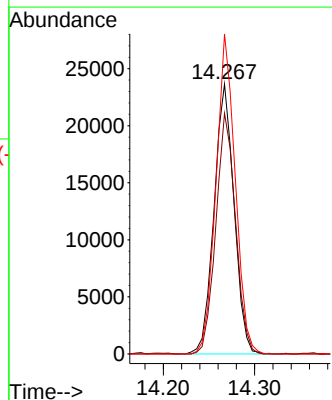
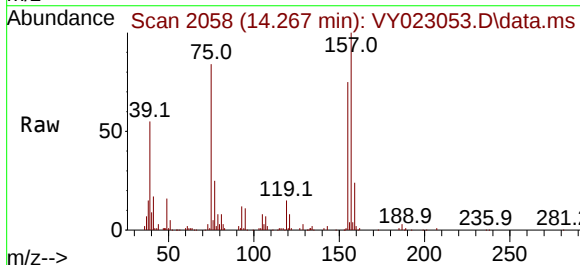
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 536637
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.592 ug/l
 RT: 14.267 min Scan# 2058
 Delta R.T. 0.000 min
 Lab File: VY023053.D
 Acq: 12 Aug 2025 16:02

Tgt Ion: 75 Resp: 35867
 Ion Ratio Lower Upper
 75 100
 155 87.7 43.9 131.6
 157 114.4 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 49.192 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

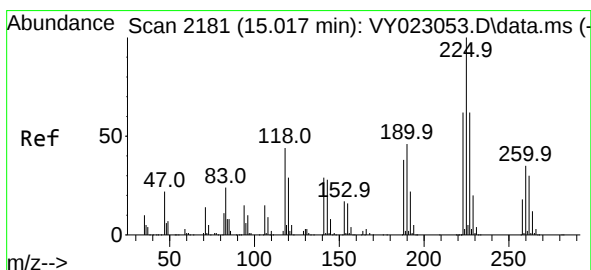
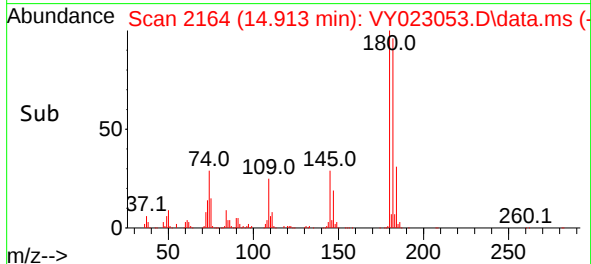
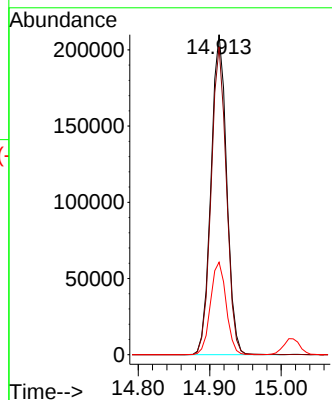
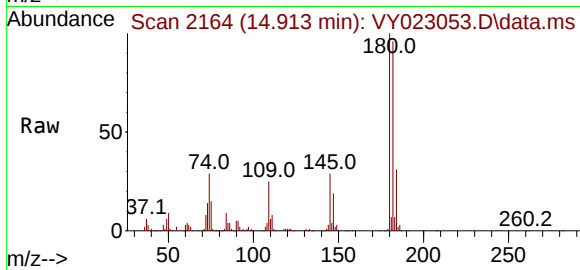
Tgt Ion:180 Resp: 320080

Ion Ratio Lower Upper

180 100

182 93.6 46.8 140.4

145 28.9 14.4 43.4



#94

Hexachlorobutadiene

Concen: 48.543 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

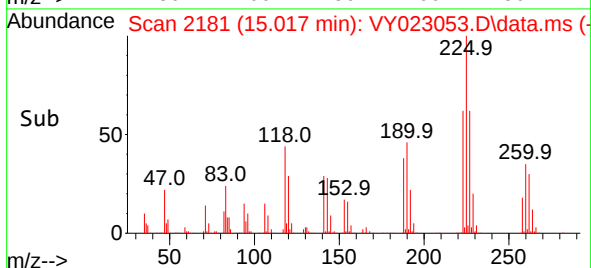
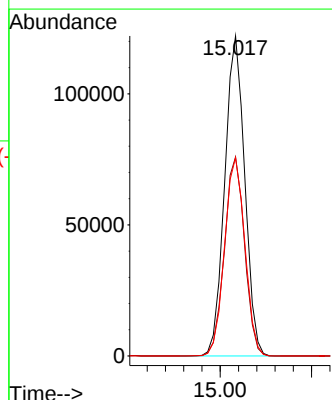
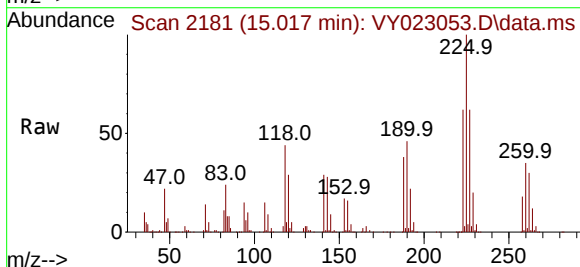
Tgt Ion:225 Resp: 185604

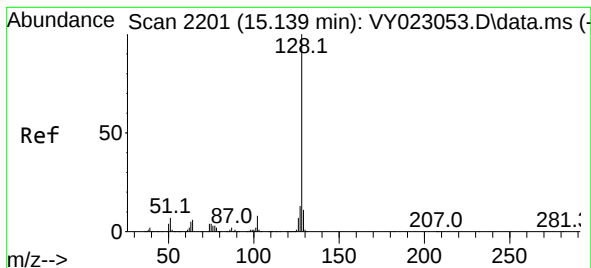
Ion Ratio Lower Upper

225 100

223 62.5 31.3 93.8

227 63.0 31.5 94.5





#95

Naphthalene

Concen: 50.685 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

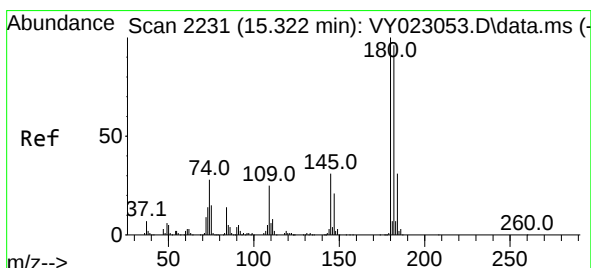
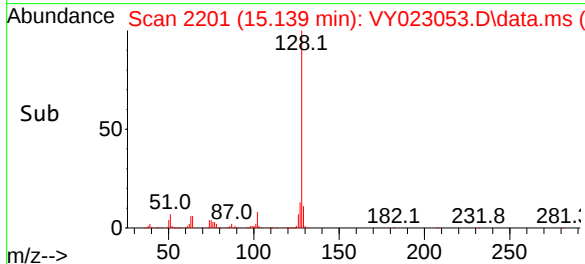
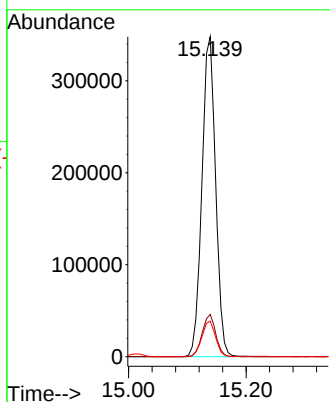
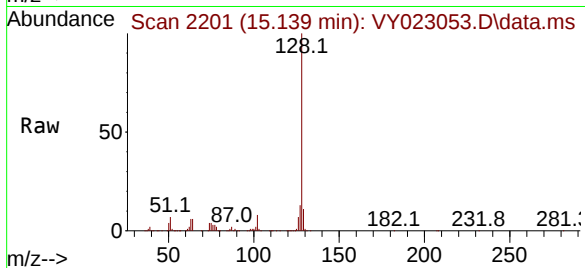
Tgt Ion:128 Resp: 562363

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.2 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 48.540 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023053.D

Acq: 12 Aug 2025 16:02

Tgt Ion:180 Resp: 272154

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 31.8 15.9 47.7

