

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023039.D
 Acq On : 22 Jul 2025 11:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 23 02:00:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	413516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	654916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	559169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	265668	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199791	47.727	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.460%
35) Dibromofluoromethane	7.634	113	196251	47.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.480%
50) Toluene-d8	10.109	98	792225	48.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.401	95	240644	46.403	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	149977	42.714	ug/l	99
3) Chloromethane	2.068	50	269873	45.202	ug/l	99
4) Vinyl Chloride	2.202	62	363540	48.063	ug/l	100
5) Bromomethane	2.598	94	251294	46.033	ug/l	99
6) Chloroethane	2.739	64	250614	49.610	ug/l	99
7) Trichlorofluoromethane	3.056	101	411854	46.906	ug/l	100
8) Diethyl Ether	3.458	74	101929	44.355	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	210148	45.561	ug/l	99
10) Methyl Iodide	4.001	142	241588	50.418	ug/l	100
11) Tert butyl alcohol	4.860	59	58540	231.230	ug/l	100
12) 1,1-Dichloroethene	3.793	96	202096	45.994	ug/l	99
13) Acrolein	3.659	56	11596	97.475	ug/l	93
14) Allyl chloride	4.385	41	312273	46.648	ug/l	98
15) Acrylonitrile	5.055	53	207841	238.777	ug/l	99
16) Acetone	3.866	43	163984	216.105	ug/l	100
17) Carbon Disulfide	4.110	76	607013	45.581	ug/l	100
18) Methyl Acetate	4.385	43	127109	49.478	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	497346	47.189	ug/l	98
20) Methylene Chloride	4.616	84	251271	46.493	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	229035	46.826	ug/l	97
22) Diisopropyl ether	6.018	45	695460	48.970	ug/l	98
23) Vinyl Acetate	5.964	43	1737820	242.856	ug/l	98
24) 1,1-Dichloroethane	5.915	63	426107	47.769	ug/l	99
25) 2-Butanone	6.896	43	256655	235.768	ug/l	98
26) 2,2-Dichloropropane	6.884	77	369506	47.265	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	265223	47.050	ug/l	98
28) Bromochloromethane	7.244	49	169903	49.109	ug/l	98
29) Tetrahydrofuran	7.262	42	166161	241.088	ug/l	100
30) Chloroform	7.421	83	435329	48.378	ug/l	99
31) Cyclohexane	7.701	56	373293	44.787	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	385246	47.185	ug/l	99
36) 1,1-Dichloropropene	7.835	75	315447	48.205	ug/l	99
37) Ethyl Acetate	6.982	43	116191	47.808	ug/l	99
38) Carbon Tetrachloride	7.817	117	340207	47.854	ug/l	98
39) Methylcyclohexane	9.109	83	403099	47.592	ug/l	98
40) Benzene	8.079	78	960054	48.727	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	70913	53.562	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	241145	49.194	ug/l	100
43) Isopropyl Acetate	8.195	43	236894	49.071	ug/l #	87
44) Trichloroethene	8.866	130	238928	47.213	ug/l	99
45) 1,2-Dichloropropane	9.140	63	222072	48.265	ug/l	99
46) Dibromomethane	9.231	93	114939	48.329	ug/l	98
47) Bromodichloromethane	9.426	83	324186	49.313	ug/l	100
48) Methyl methacrylate	9.219	41	117253	50.308	ug/l	100
49) 1,4-Dioxane	9.225	88	23907	953.644	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	627727	256.182	ug/l	100
52) Toluene	10.170	92	613136	50.053	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	277671	49.205	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	328881	48.352	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	153120	48.985	ug/l	98
56) Ethyl methacrylate	10.438	69	196034	50.238	ug/l	99
57) 1,3-Dichloropropane	10.713	76	266128	49.284	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	490656	256.871	ug/l	99
59) 2-Hexanone	10.762	43	409696	254.369	ug/l	99
60) Dibromochloromethane	10.914	129	202841	49.555	ug/l	98
61) 1,2-Dibromoethane	11.011	107	138348	48.738	ug/l	100
64) Tetrachloroethene	10.646	164	275448	48.193	ug/l	98
65) Chlorobenzene	11.444	112	632860	47.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	212932	47.314	ug/l	99
67) Ethyl Benzene	11.518	91	1145408	48.975	ug/l	99
68) m/p-Xylenes	11.627	106	881100	98.220	ug/l	100
69) o-Xylene	11.956	106	403716	48.493	ug/l	99
70) Styrene	11.969	104	674359	49.451	ug/l	100
71) Bromoform	12.133	173	107810	47.188	ug/l #	100
73) Isopropylbenzene	12.255	105	1077188	47.824	ug/l	100
74) N-amyl acetate	12.066	43	209264	49.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	151397	46.448	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	218827	66.102	ug/l #	100
77) Bromobenzene	12.530	156	232750	47.645	ug/l	99
78) n-propylbenzene	12.597	91	1319574	49.196	ug/l	100
79) 2-Chlorotoluene	12.682	91	720755	47.778	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	861281	48.483	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	52206	46.971	ug/l	99
82) 4-Chlorotoluene	12.773	91	748246	49.179	ug/l	99
83) tert-Butylbenzene	12.999	119	780072	48.613	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	856722	48.992	ug/l	99
85) sec-Butylbenzene	13.176	105	1177733	48.976	ug/l	100
86) p-Isopropyltoluene	13.292	119	950206	48.654	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	465065	47.173	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	451393	47.328	ug/l	100
89) n-Butylbenzene	13.615	91	901082	50.000	ug/l	99
90) Hexachloroethane	13.877	117	193375	47.824	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	397553	47.806	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	23955	49.496	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	206512	47.112	ug/l	98
94) Hexachlorobutadiene	15.023	225	126337	45.716	ug/l	99
95) Naphthalene	15.145	128	346881	49.339	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	173145	47.839	ug/l	99

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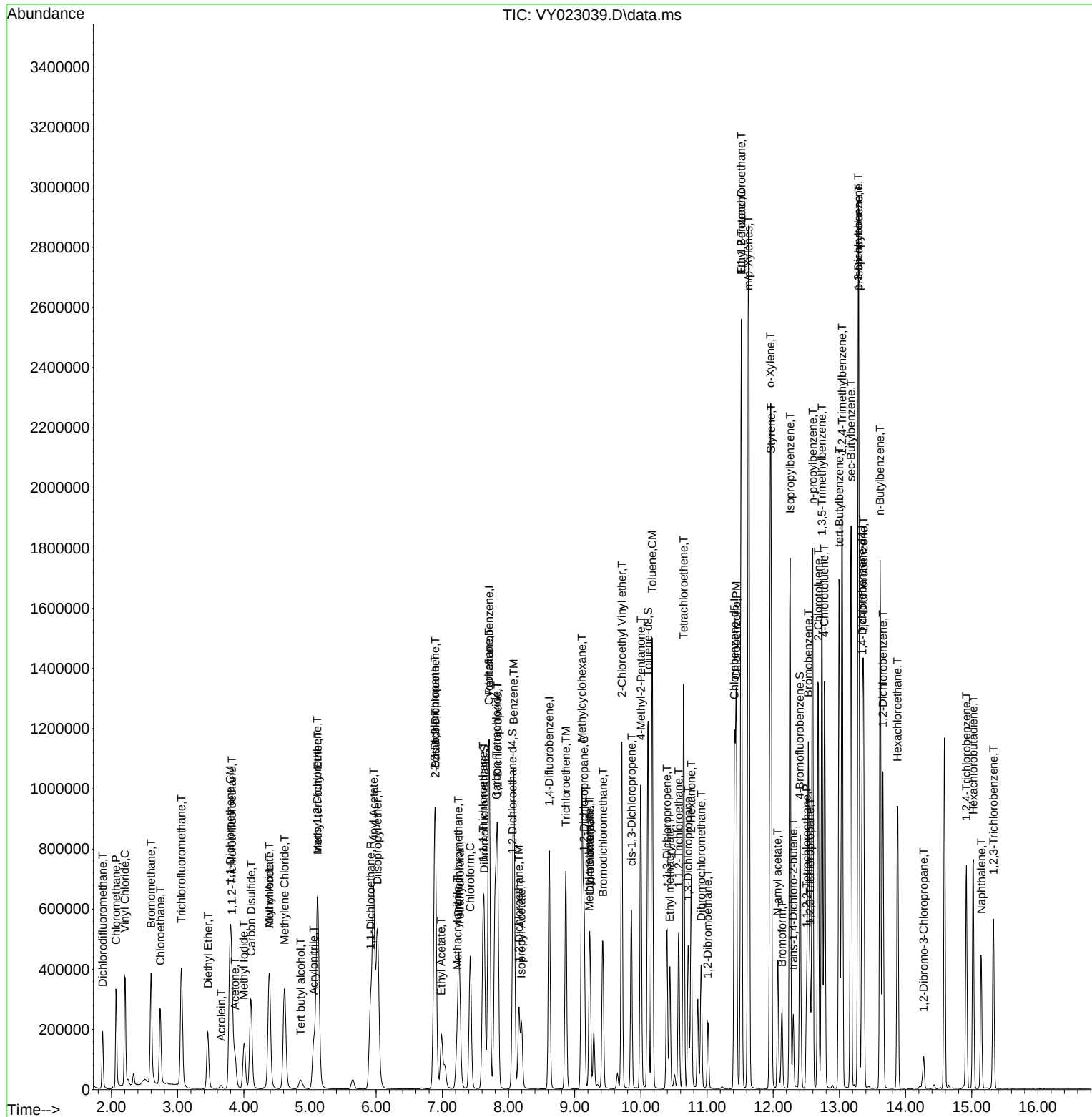
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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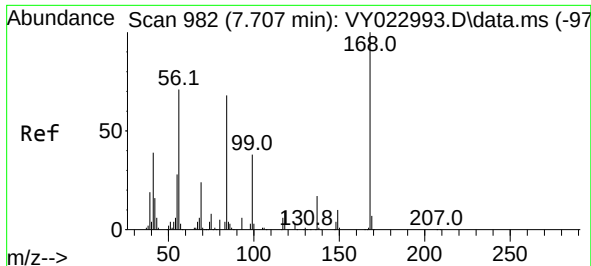
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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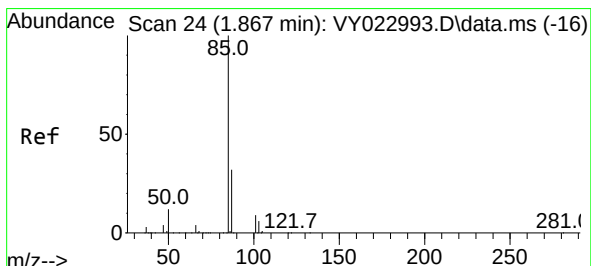
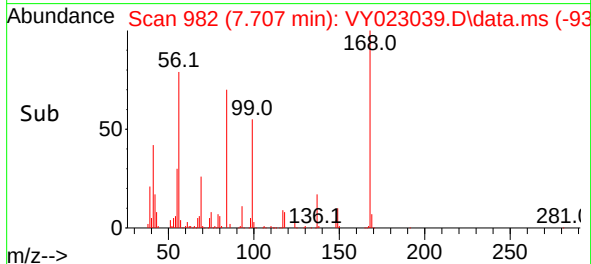
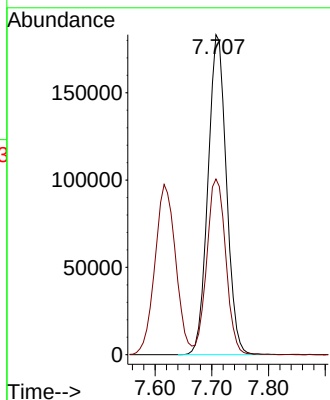
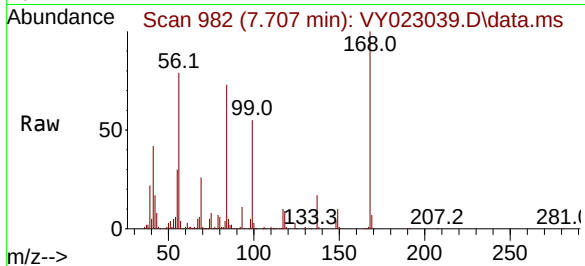




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023039.D
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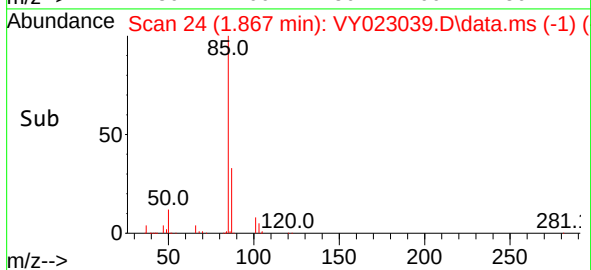
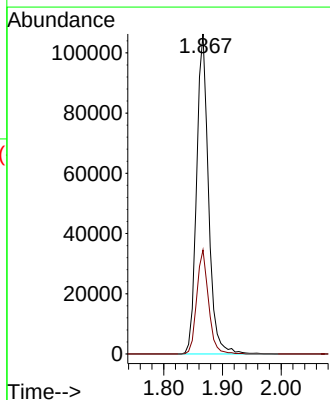
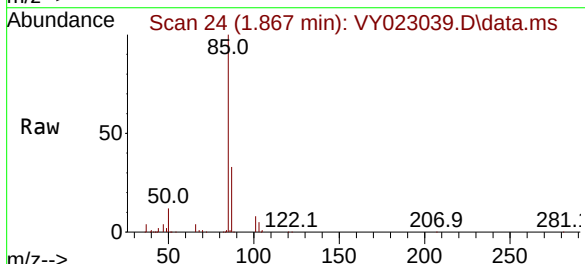
Instrument :
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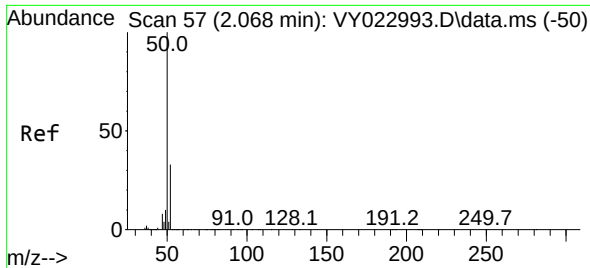
Tgt Ion:168 Resp: 413516
Ion Ratio Lower Upper
168 100
99 54.9 44.4 66.6



#2
Dichlorodifluoromethane
Concen: 42.714 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 85 Resp: 149977
Ion Ratio Lower Upper
85 100
87 32.5 16.0 47.9

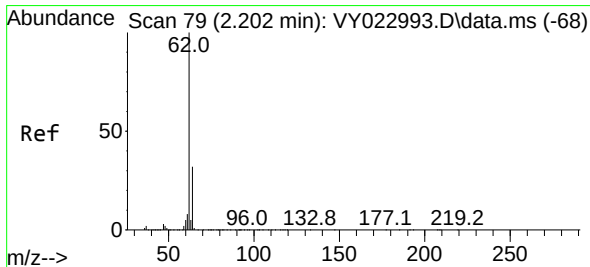
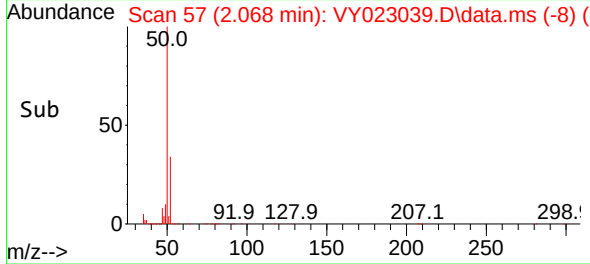
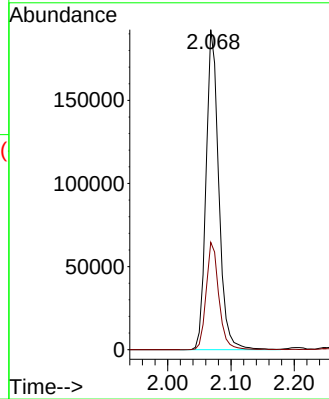
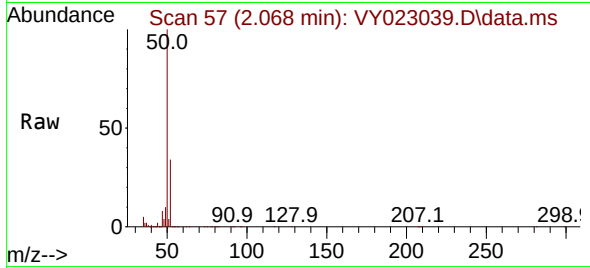




#3
Chloromethane
Concen: 45.202 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

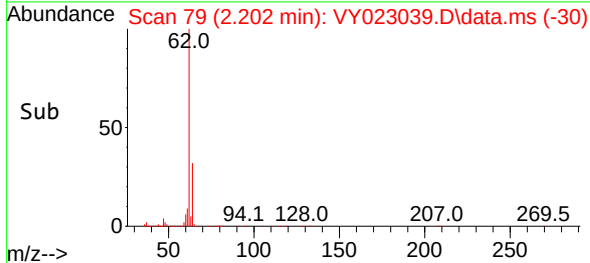
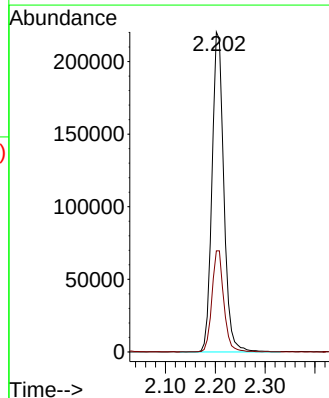
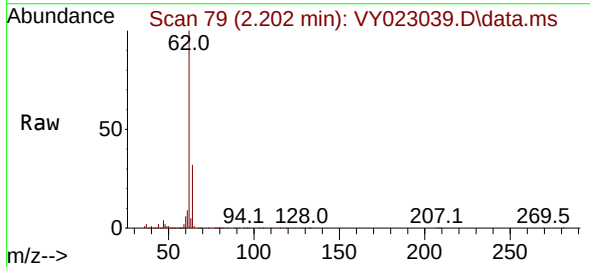
Instrument :
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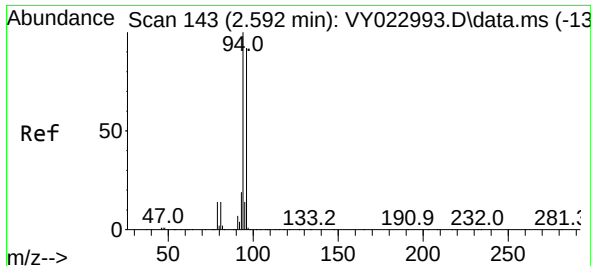
Tgt Ion: 50 Resp: 269873
Ion Ratio Lower Upper
50 100
52 33.5 26.6 39.8



#4
Vinyl Chloride
Concen: 48.063 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 62 Resp: 363540
Ion Ratio Lower Upper
62 100
64 31.6 25.2 37.8

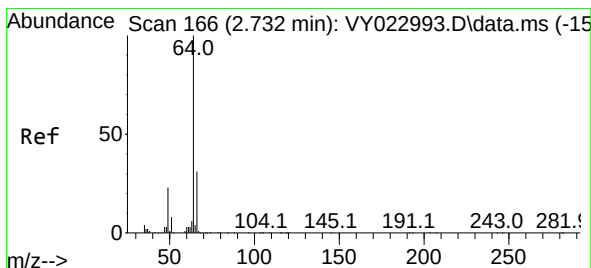
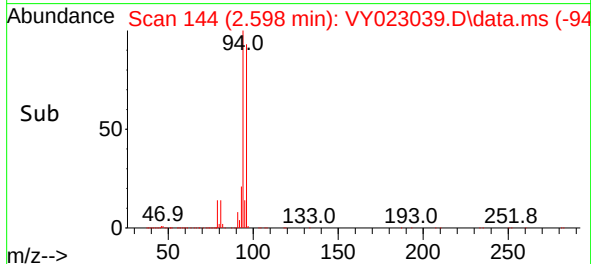
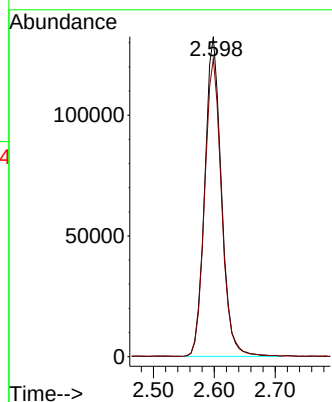
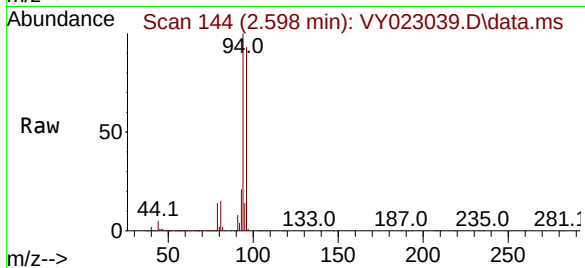




#5
Bromomethane
Concen: 46.033 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

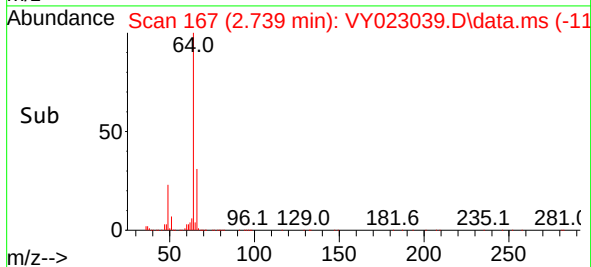
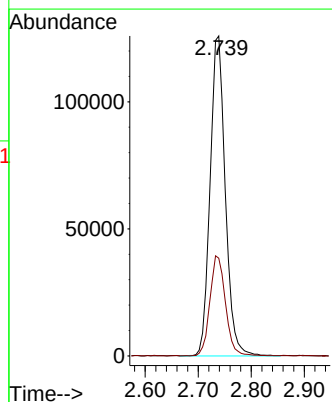
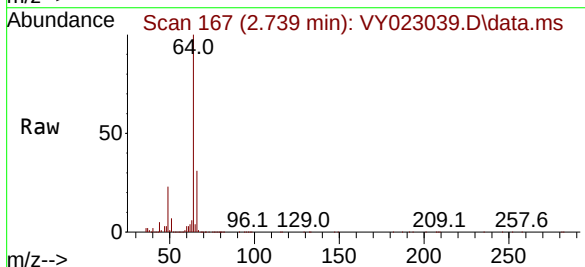
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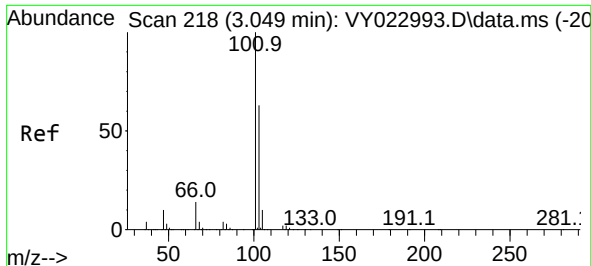
Tgt Ion: 94 Resp: 251294
Ion Ratio Lower Upper
94 100
96 93.1 73.9 110.9



#6
Chloroethane
Concen: 49.610 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 64 Resp: 250614
Ion Ratio Lower Upper
64 100
66 30.5 24.9 37.3

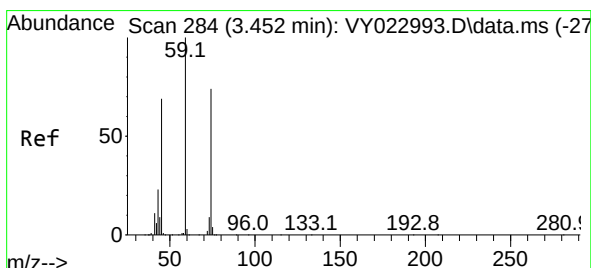
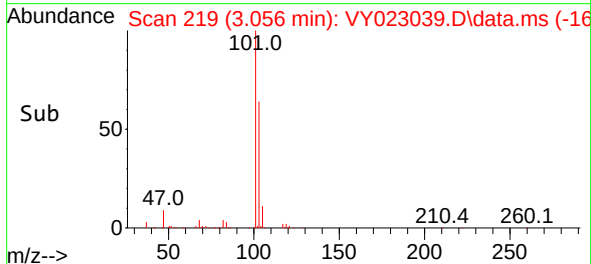
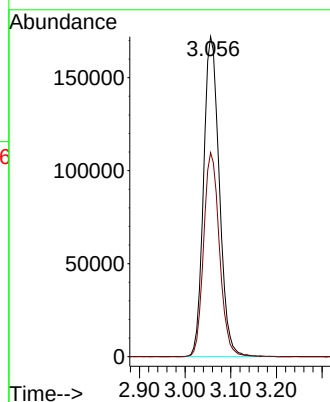
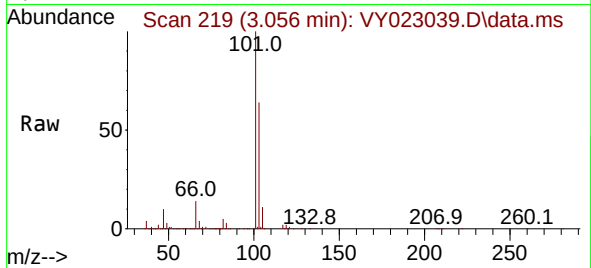




#7
Trichlorofluoromethane
Concen: 46.906 ug/l
RT: 3.056 min Scan# 218
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

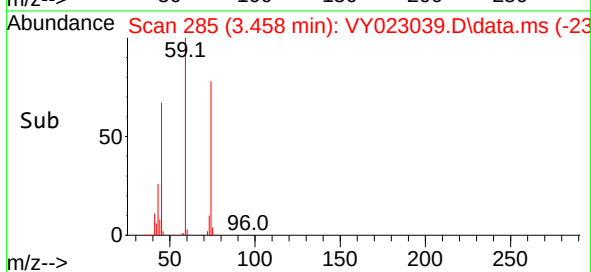
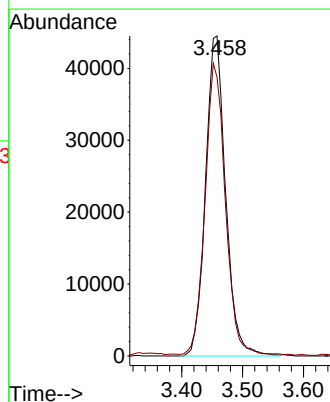
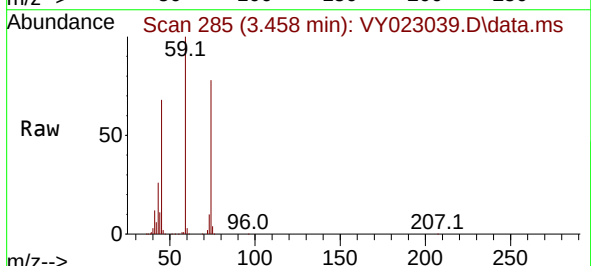
Instrument :
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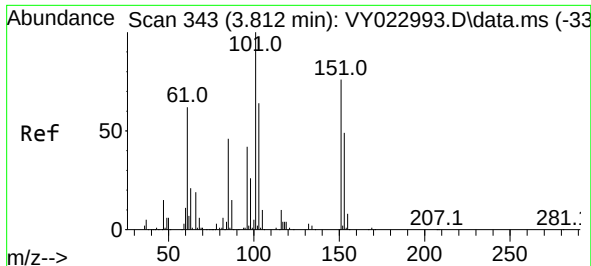
Tgt Ion:101 Resp: 411854
Ion Ratio Lower Upper
101 100
103 63.7 50.7 76.1



#8
Diethyl Ether
Concen: 44.355 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 74 Resp: 101929
Ion Ratio Lower Upper
74 100
45 92.4 45.1 135.2

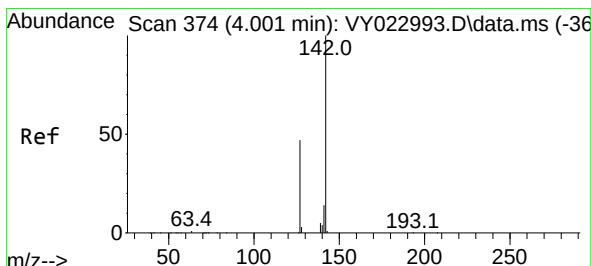
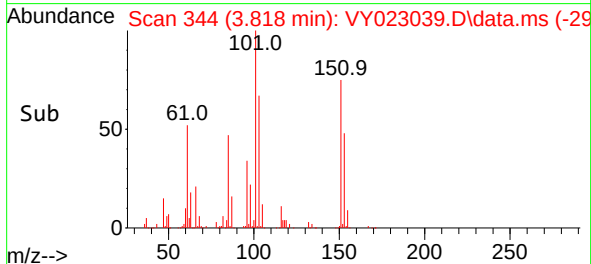
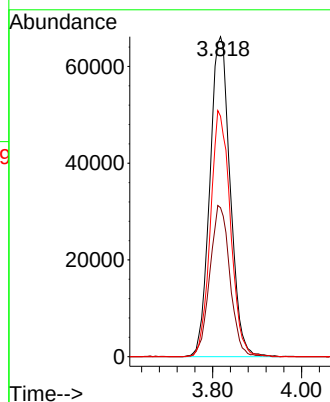
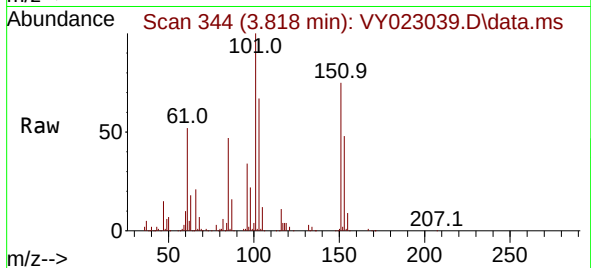




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.561 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

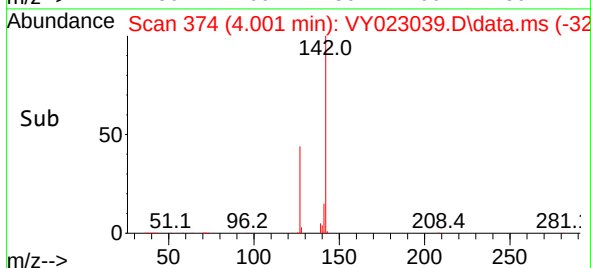
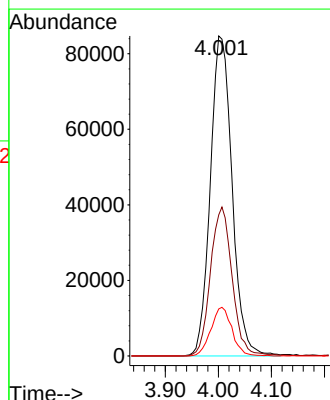
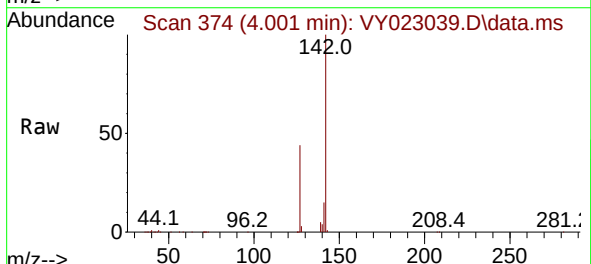
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

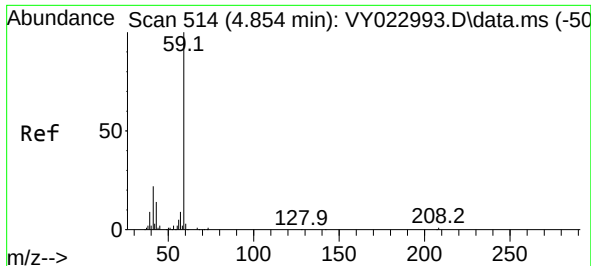
Tgt Ion:101 Resp: 210148
Ion Ratio Lower Upper
101 100
85 46.6 37.2 55.8
151 75.6 59.7 89.5



#10
Methyl Iodide
Concen: 50.418 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion:142 Resp: 241588
Ion Ratio Lower Upper
142 100
127 46.4 37.0 55.6
141 14.7 11.4 17.2

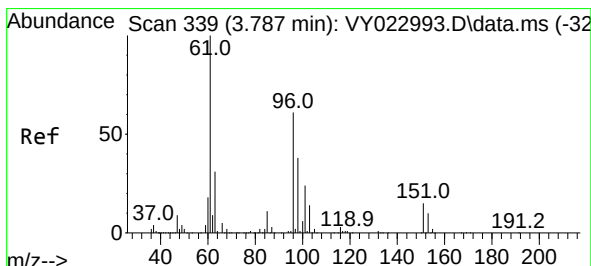
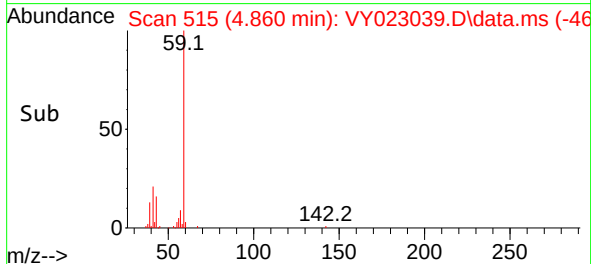
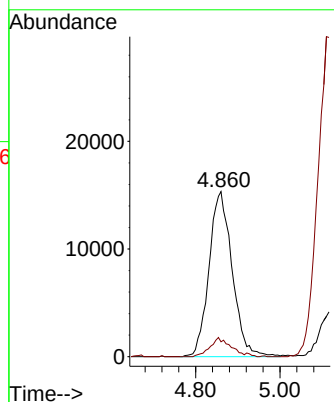
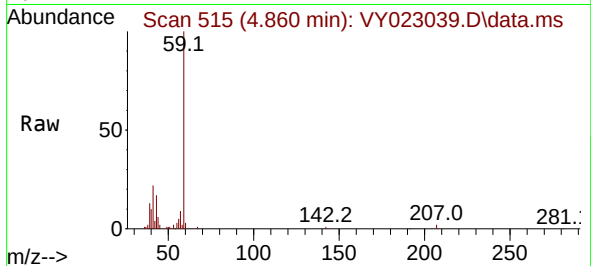




#11
Tert butyl alcohol
Concen: 231.230 ug/l
RT: 4.860 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

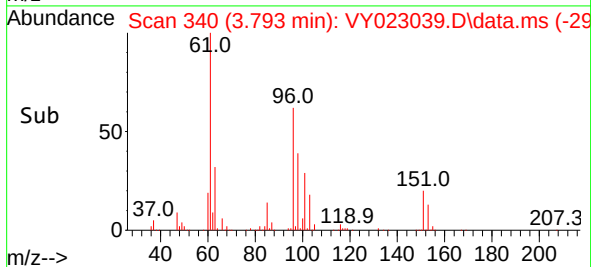
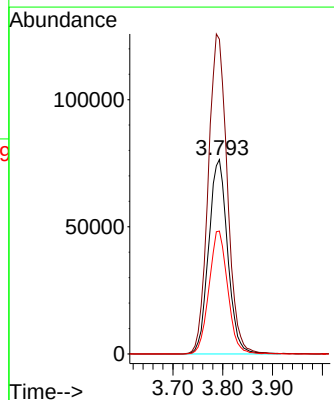
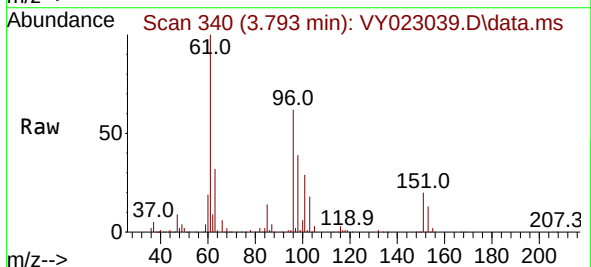
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

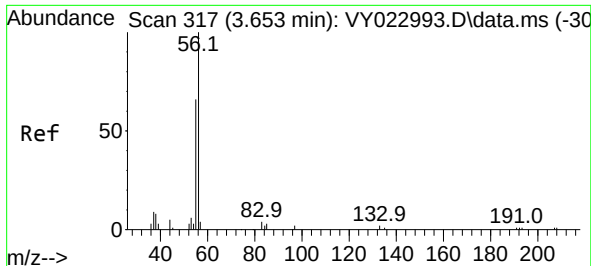
Tgt Ion: 59 Resp: 58540
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 45.994 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 96 Resp: 202096
Ion Ratio Lower Upper
96 100
61 161.8 130.4 195.6
98 63.2 49.6 74.4





#13

Acrolein

Concen: 97.475 ug/l

RT: 3.659 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

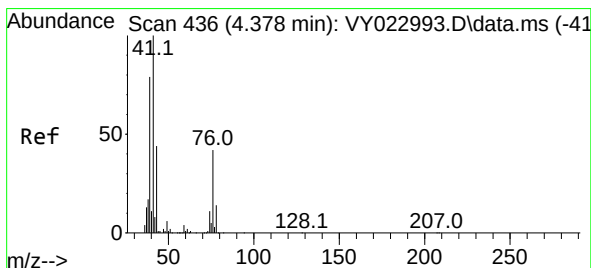
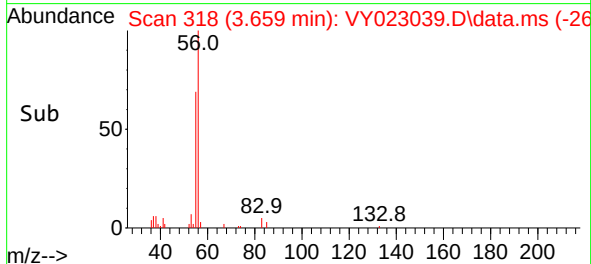
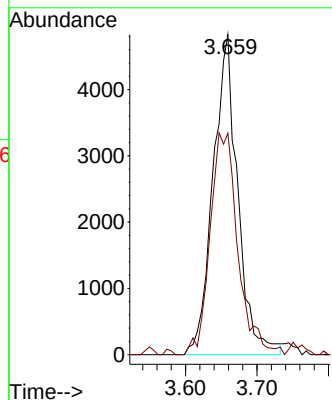
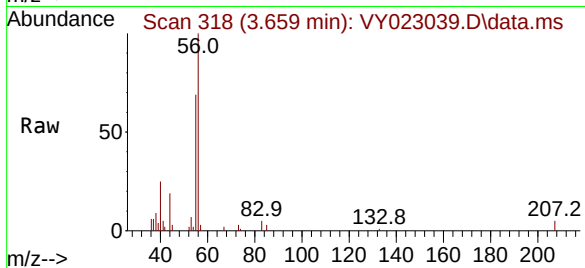
VSTDCCC050

Tgt Ion: 56 Resp: 11596

Ion Ratio Lower Upper

56 100

55 77.9 57.8 86.6



#14

Allyl chloride

Concen: 46.648 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

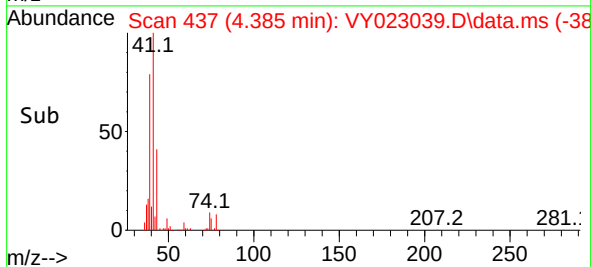
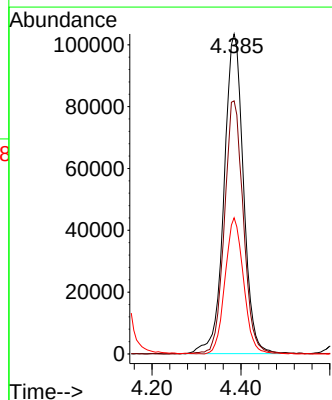
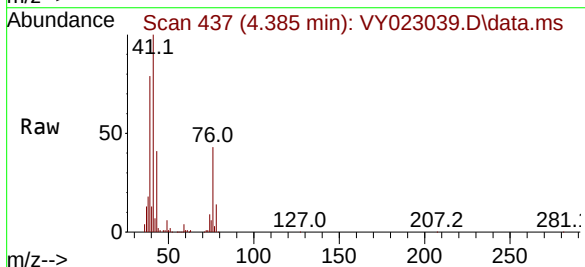
Tgt Ion: 41 Resp: 312273

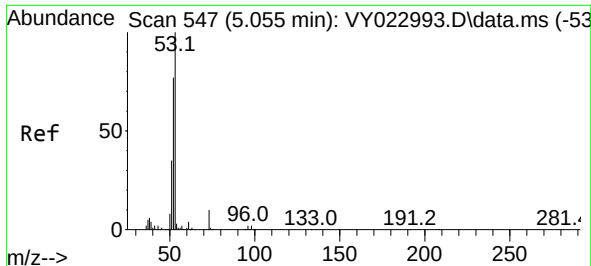
Ion Ratio Lower Upper

41 100

39 77.5 60.1 90.1

76 40.7 32.2 48.4

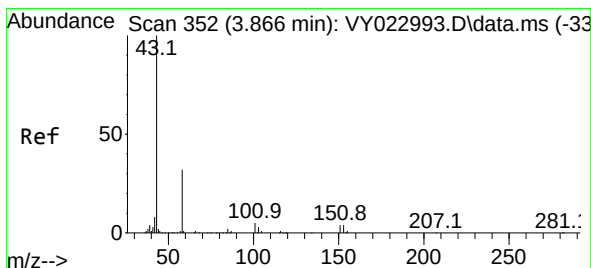
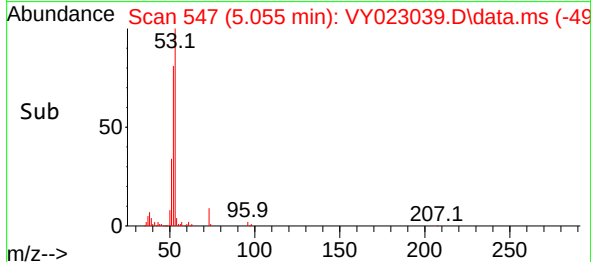
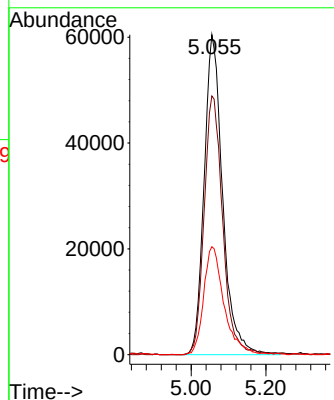
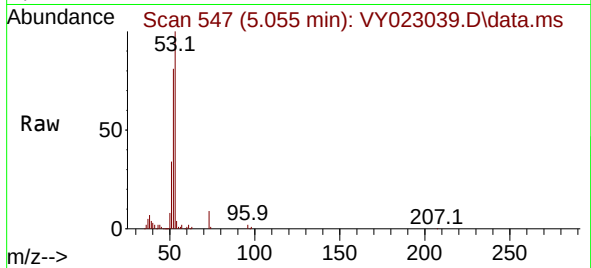




#15
Acrylonitrile
Concen: 238.777 ug/l
RT: 5.055 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

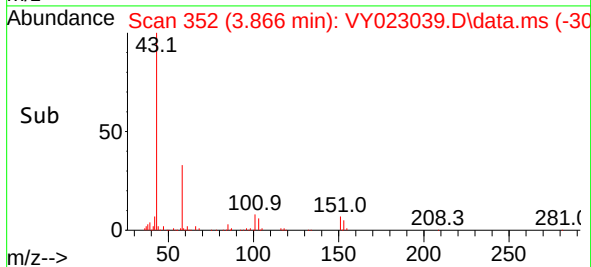
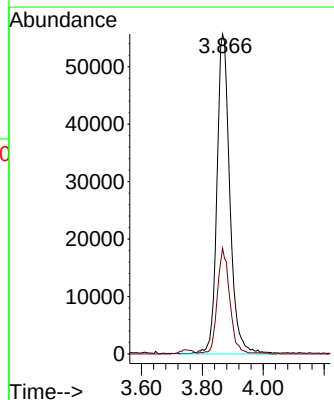
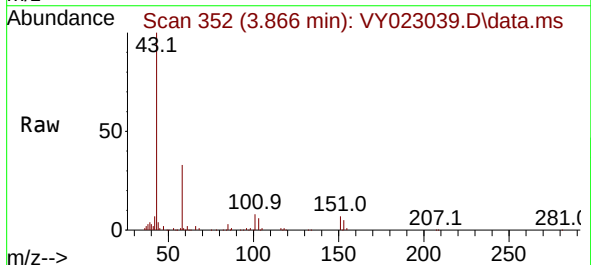
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

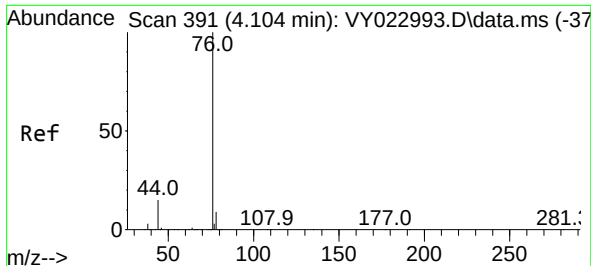
Tgt Ion: 53 Resp: 207841
Ion Ratio Lower Upper
53 100
52 81.0 65.2 97.8
51 37.2 30.3 45.5



#16
Acetone
Concen: 216.105 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 43 Resp: 163984
Ion Ratio Lower Upper
43 100
58 33.1 26.2 39.4

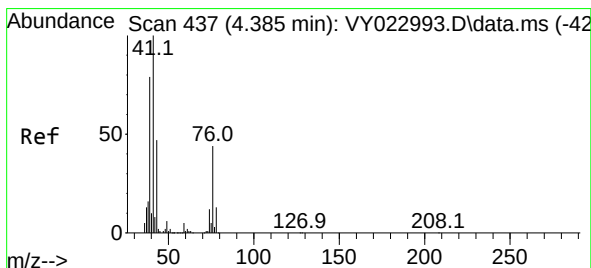
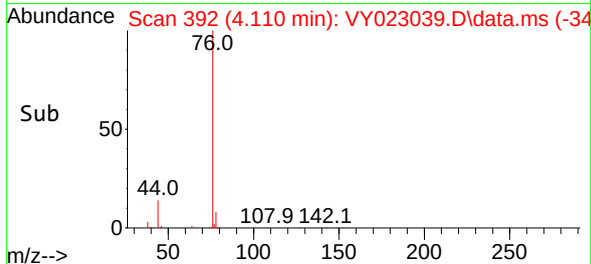
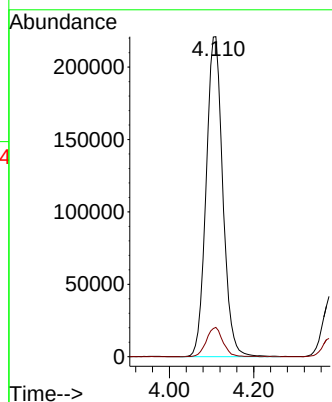
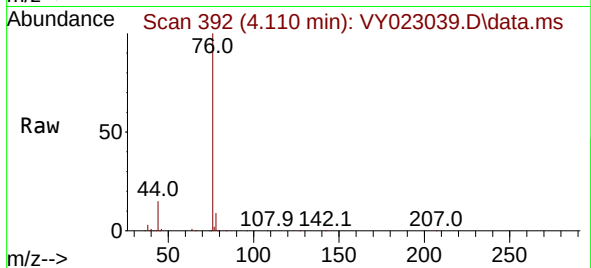




#17
Carbon Disulfide
Concen: 45.581 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

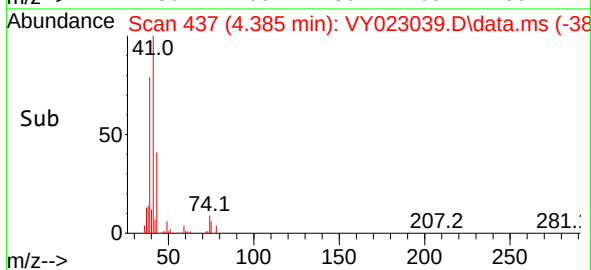
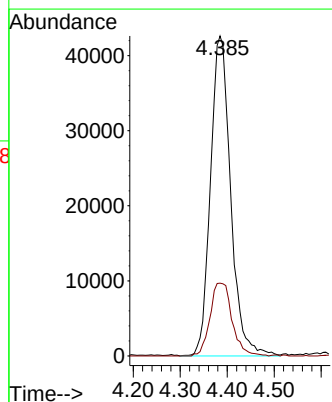
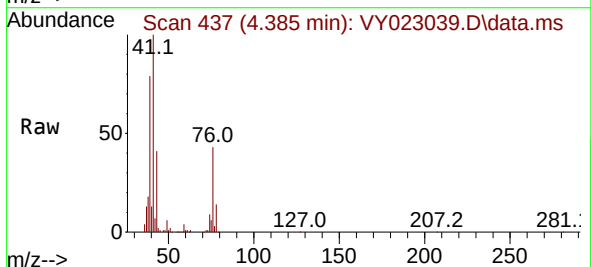
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

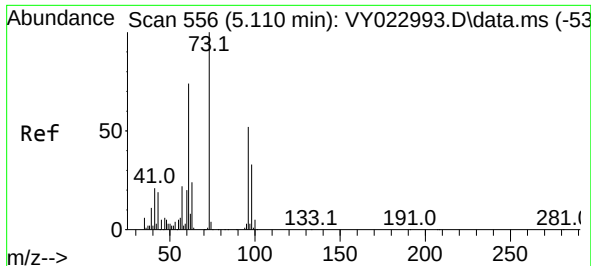
Tgt Ion: 76 Resp: 607013
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 49.478 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 43 Resp: 127109
Ion Ratio Lower Upper
43 100
74 24.8 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 47.189 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

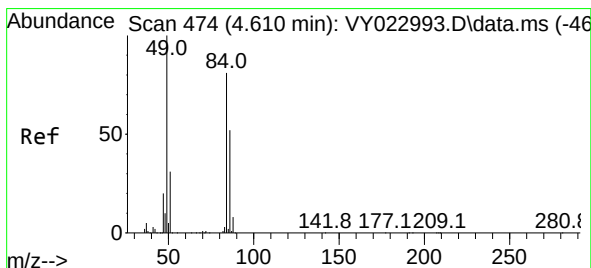
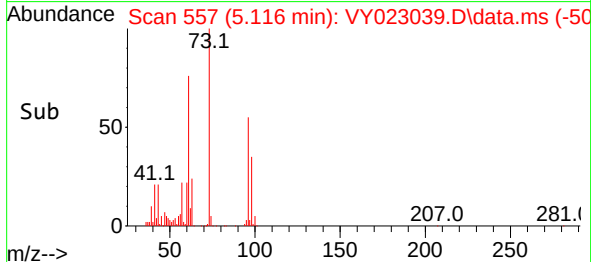
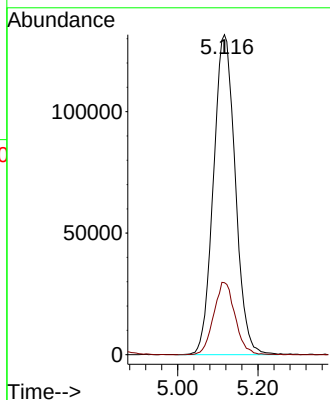
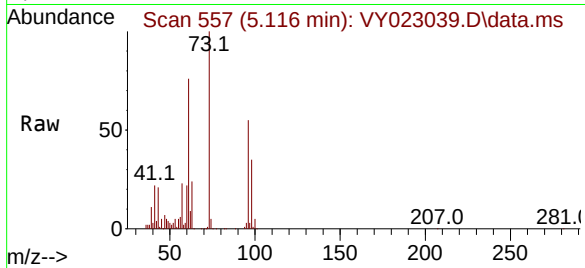
VSTDCCC050

Tgt Ion: 73 Resp: 497346

Ion Ratio Lower Upper

73 100

57 22.5 17.4 26.2



#20

Methylene Chloride

Concen: 46.493 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Tgt Ion: 84 Resp: 251271

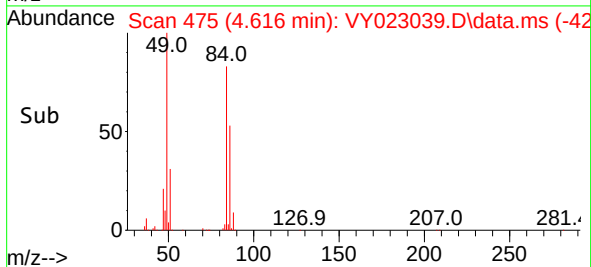
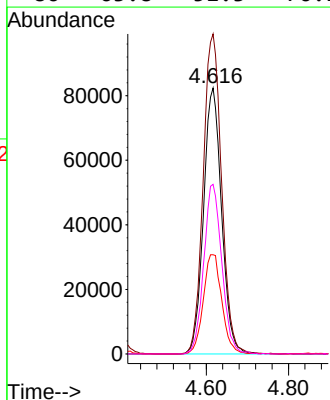
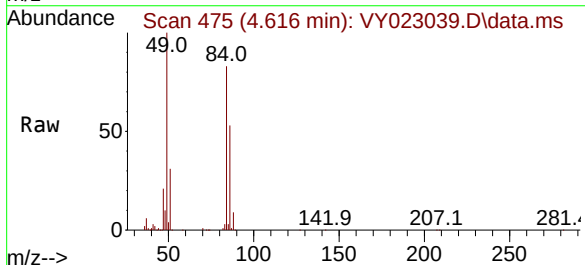
Ion Ratio Lower Upper

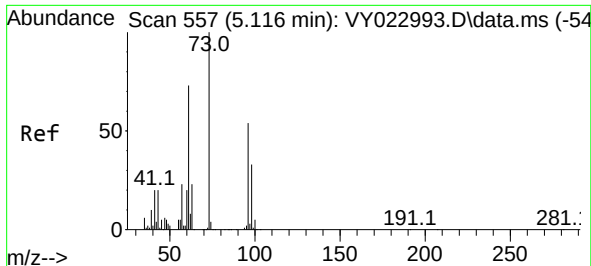
84 100

49 120.3 98.2 147.4

51 37.3 30.5 45.7

86 63.8 51.3 76.9

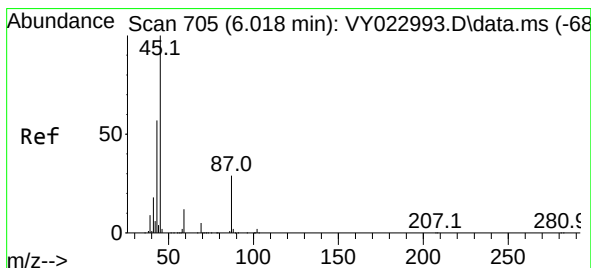
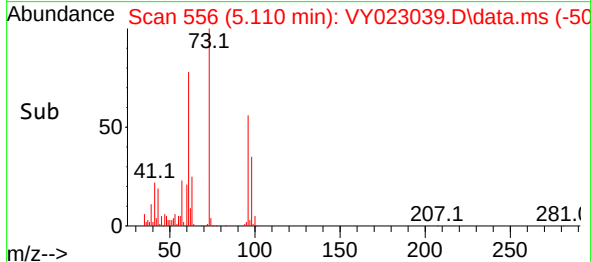
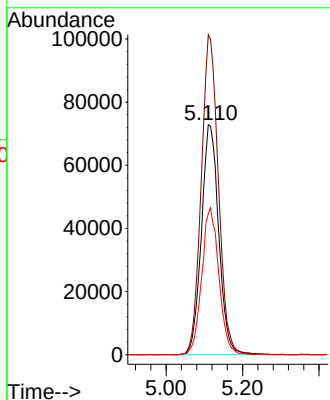
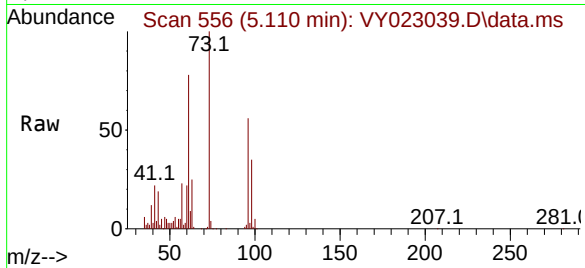




#21
trans-1,2-Dichloroethene
Concen: 46.826 ug/l
RT: 5.110 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

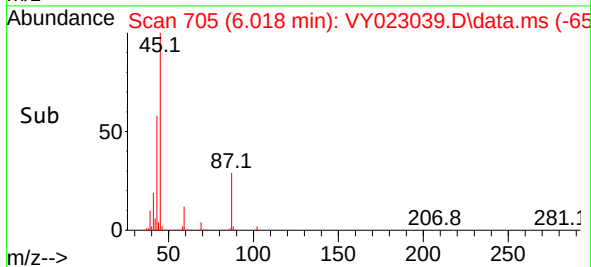
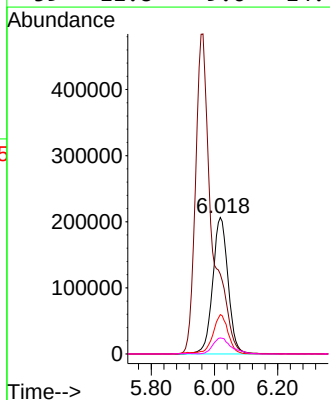
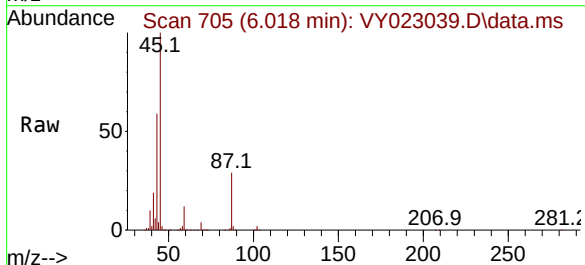
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

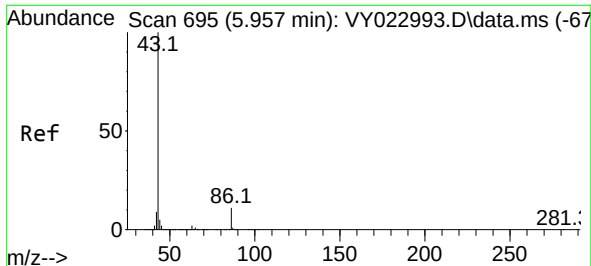
Tgt Ion: 96 Resp: 229035
Ion Ratio Lower Upper
96 100
61 139.2 107.4 161.2
98 61.3 49.3 73.9



#22
Diisopropyl ether
Concen: 48.970 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 45 Resp: 695460
Ion Ratio Lower Upper
45 100
43 58.5 45.3 67.9
87 28.8 23.3 34.9
59 11.8 9.6 14.4

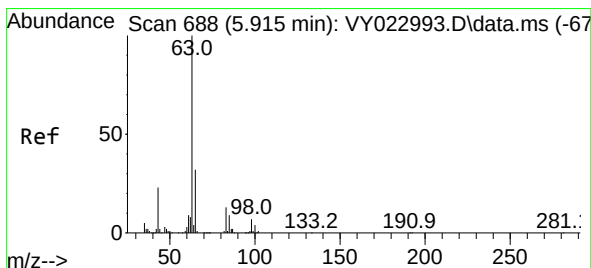
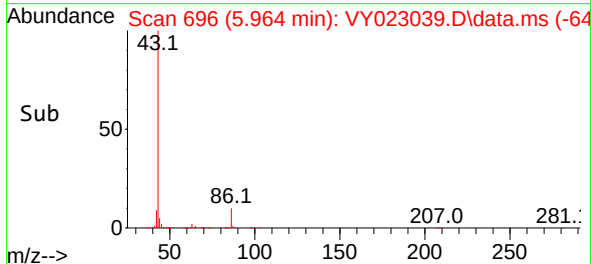
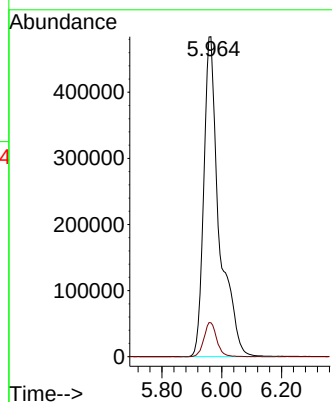
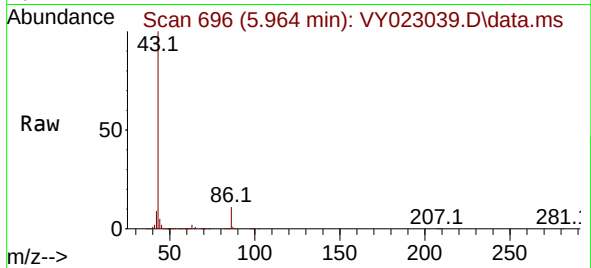




#23
 Vinyl Acetate
 Concen: 242.856 ug/l
 RT: 5.964 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY023039.D
 Acq: 22 Jul 2025 11:04

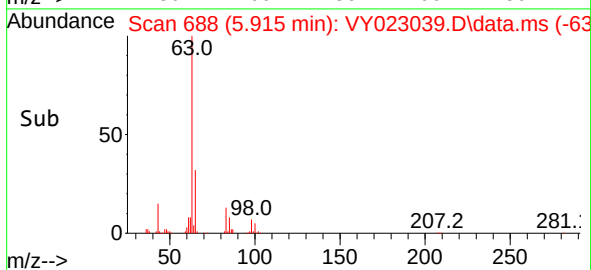
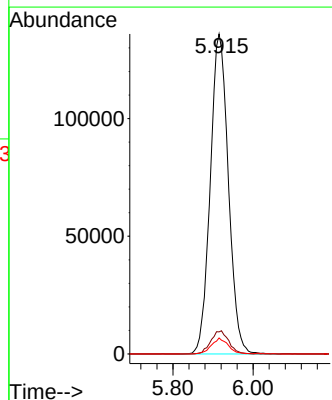
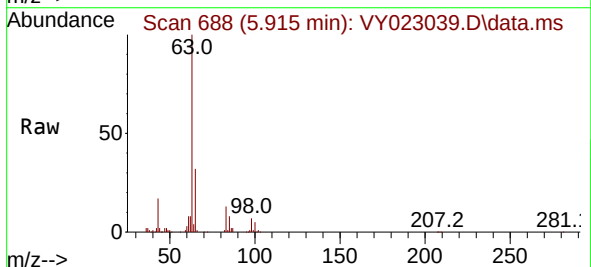
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

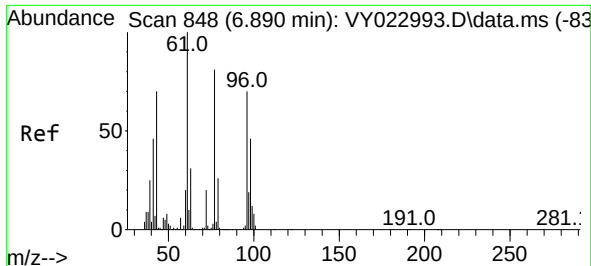
Tgt Ion: 43 Resp: 1737820
 Ion Ratio Lower Upper
 43 100
 86 10.6 9.0 13.4



#24
 1,1-Dichloroethane
 Concen: 47.769 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY023039.D
 Acq: 22 Jul 2025 11:04

Tgt Ion: 63 Resp: 426107
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 5.0 2.1 6.2





#25

2-Butanone

Concen: 235.768 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

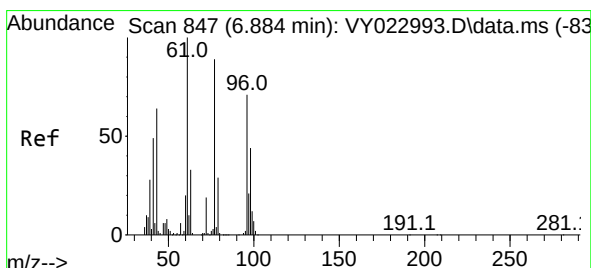
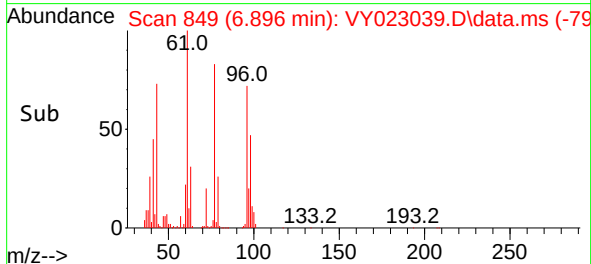
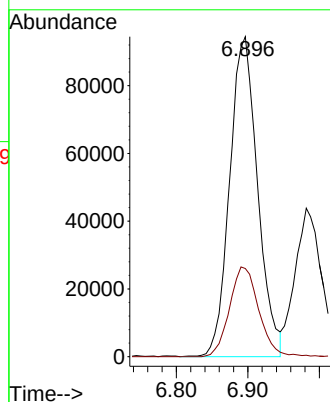
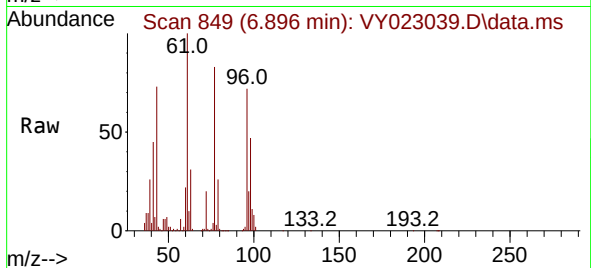
VSTDCCC050

Tgt Ion: 43 Resp: 256655

Ion Ratio Lower Upper

43 100

72 27.6 22.9 34.3



#26

2,2-Dichloropropane

Concen: 47.265 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY023039.D

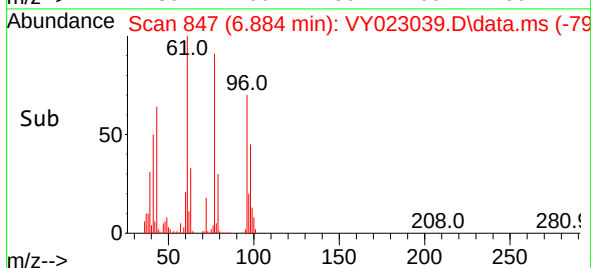
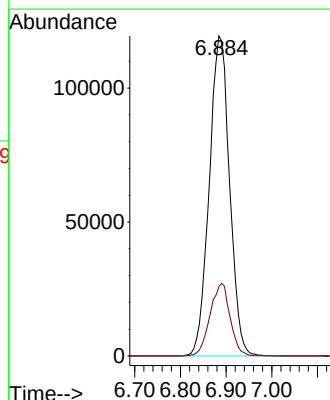
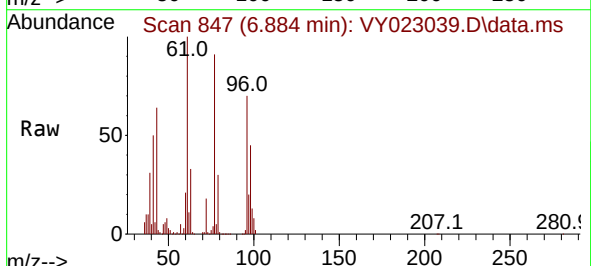
Acq: 22 Jul 2025 11:04

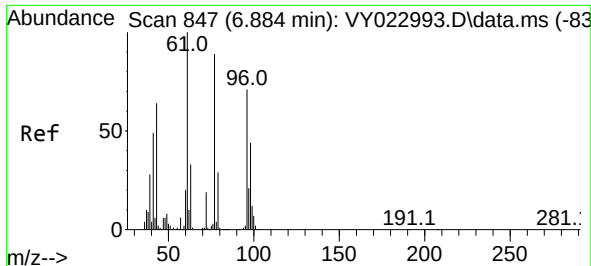
Tgt Ion: 77 Resp: 369506

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9



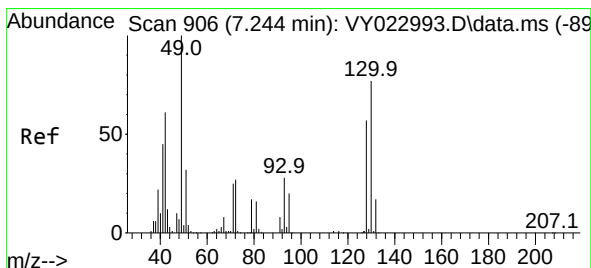
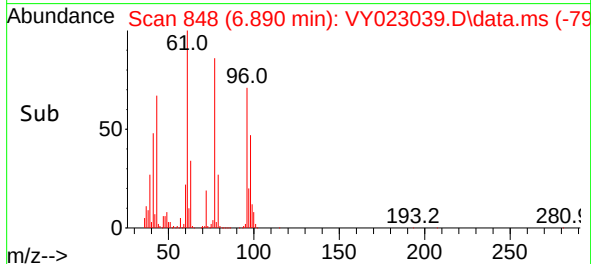
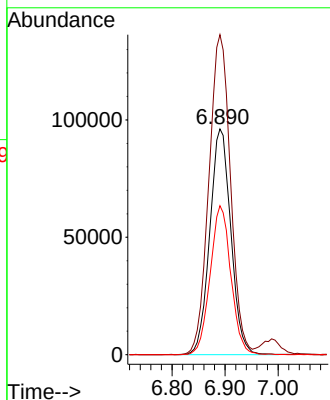
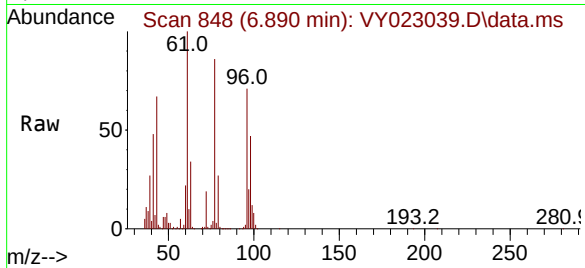


#27
 cis-1,2-Dichloroethene
 Concen: 47.050 ug/l
 RT: 6.890 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY023039.D
 Acq: 22 Jul 2025 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 265223

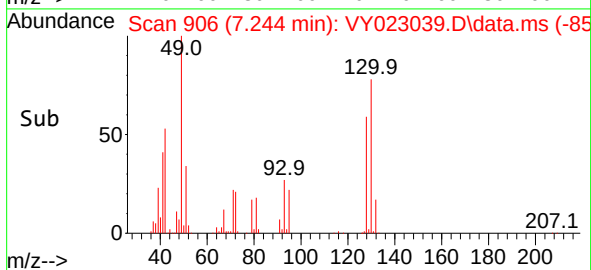
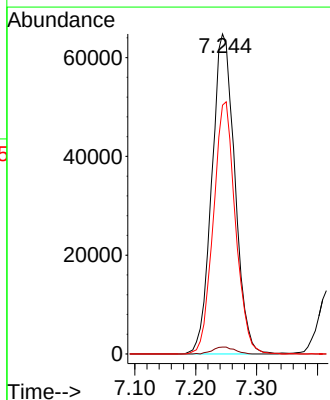
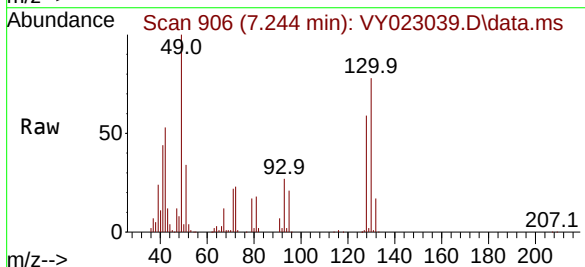
Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	286.2
98	64.8	0.0	127.4

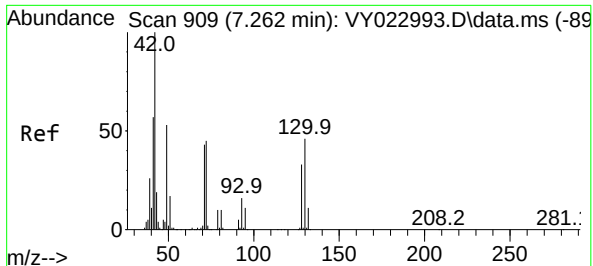


#28
 Bromochloromethane
 Concen: 49.109 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023039.D
 Acq: 22 Jul 2025 11:04

Tgt Ion: 49 Resp: 169903

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	75.6	61.8	92.8





#29

Tetrahydrofuran

Concen: 241.088 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

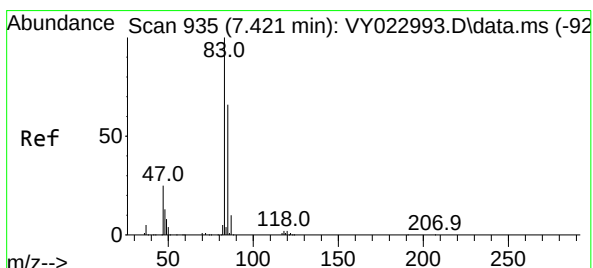
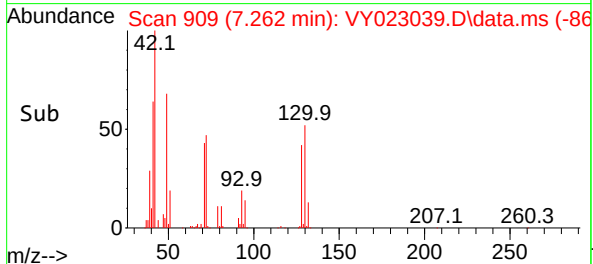
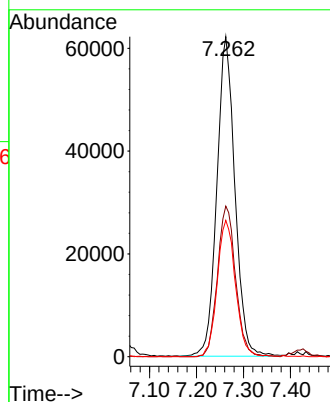
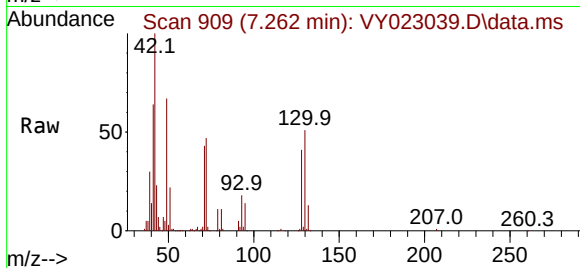
Tgt Ion: 42 Resp: 166161

Ion Ratio Lower Upper

42 100

72 47.3 37.5 56.3

71 43.0 34.2 51.4



#30

Chloroform

Concen: 48.378 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023039.D

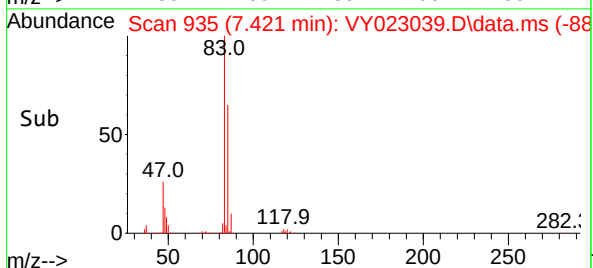
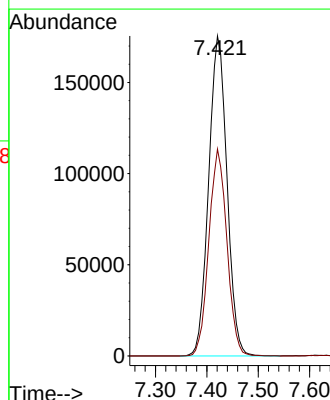
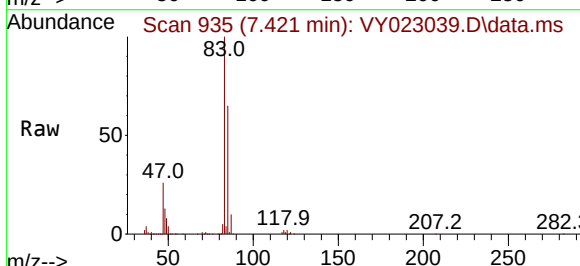
Acq: 22 Jul 2025 11:04

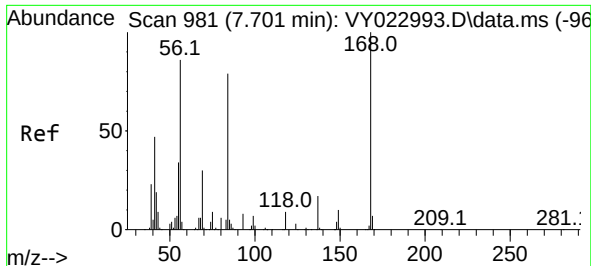
Tgt Ion: 83 Resp: 435329

Ion Ratio Lower Upper

83 100

85 64.7 52.6 78.8

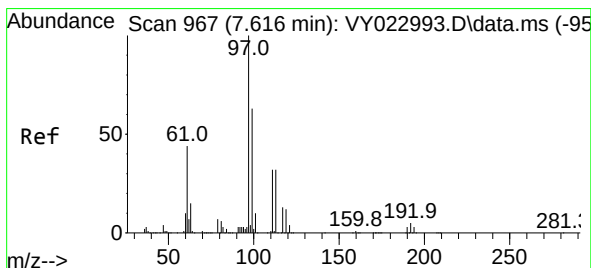
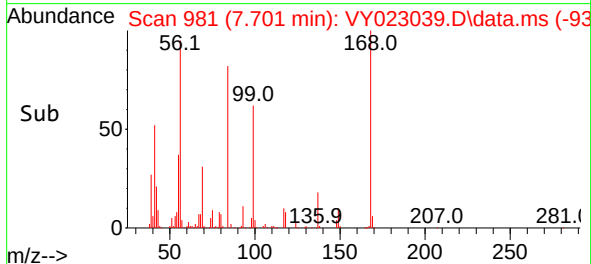
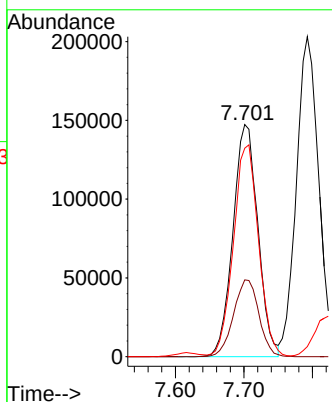
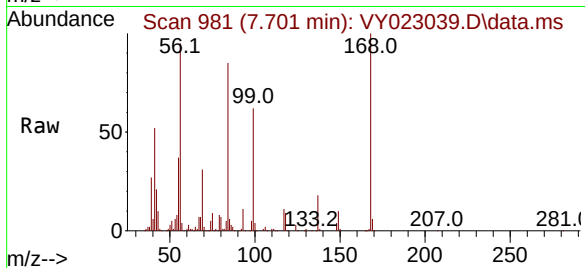




#31
Cyclohexane
Concen: 44.787 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

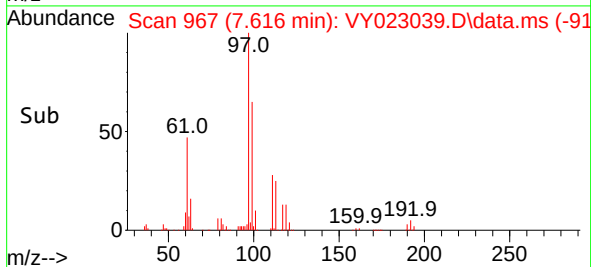
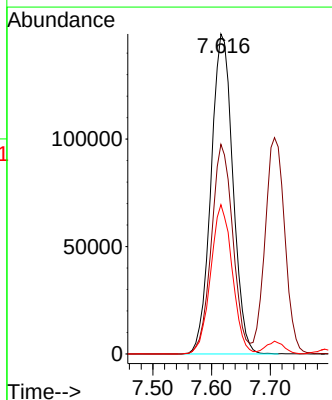
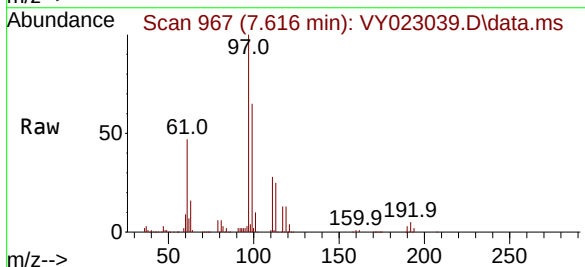
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

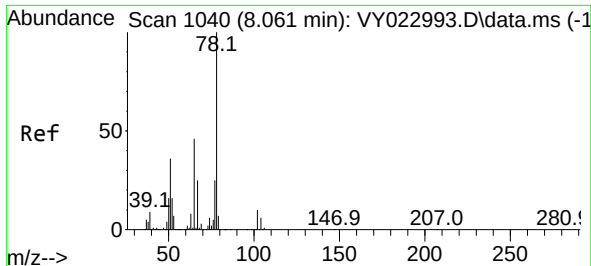
Tgt Ion: 56 Resp: 373293
Ion Ratio Lower Upper
56 100
69 33.1 28.1 42.1
84 88.7 73.5 110.3



#32
1,1,1-Trichloroethane
Concen: 47.185 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 97 Resp: 385246
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 46.2 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 47.727 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

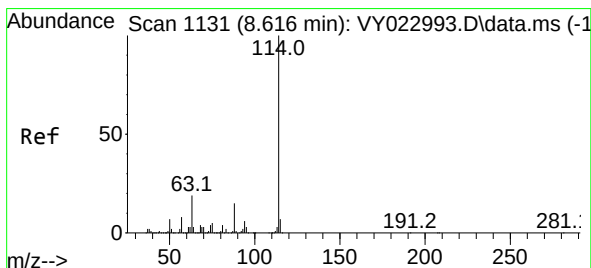
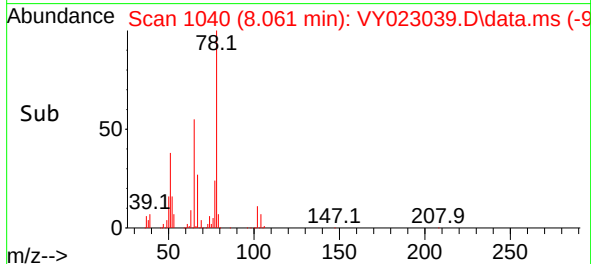
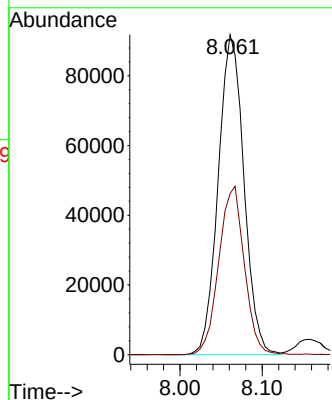
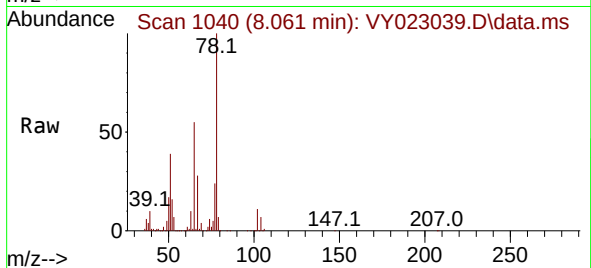
VSTDCCC050

Tgt Ion: 65 Resp: 199791

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

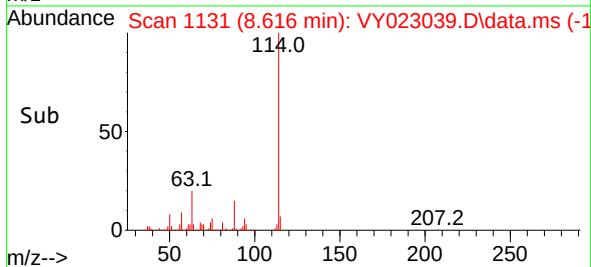
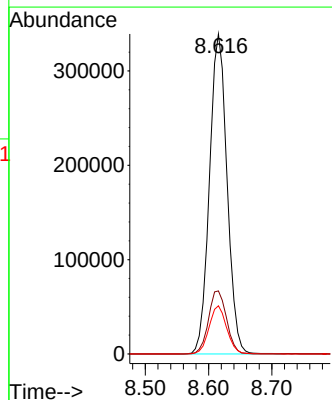
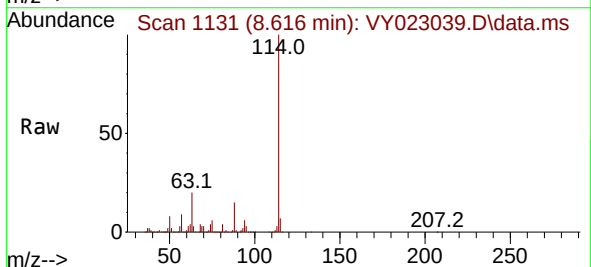
Tgt Ion: 114 Resp: 654916

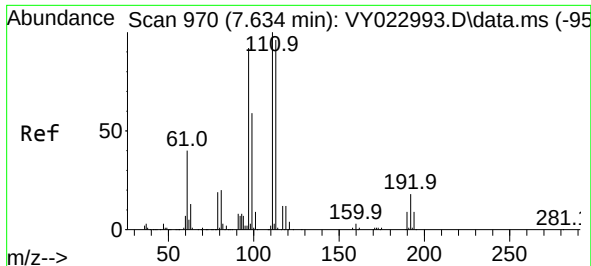
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

88 15.1 0.0 30.2

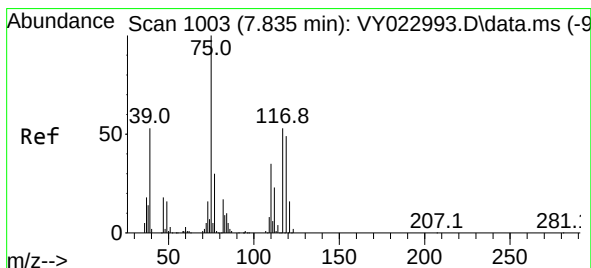
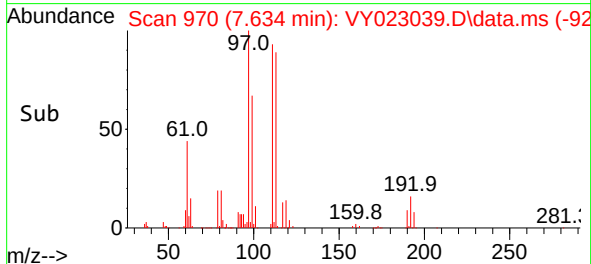
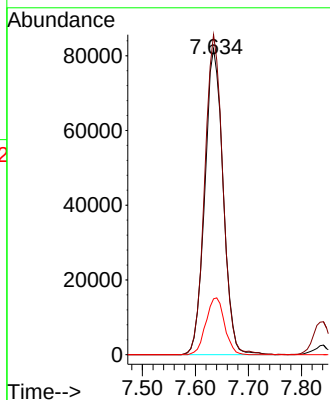
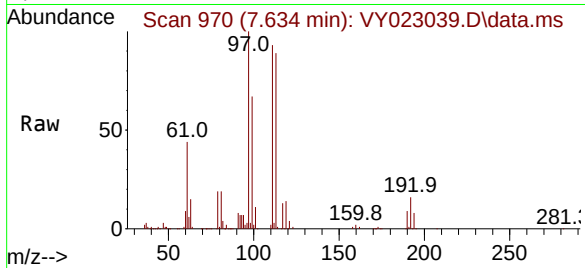




#35
Dibromofluoromethane
Concen: 47.240 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

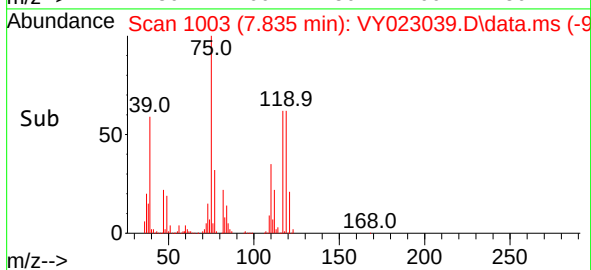
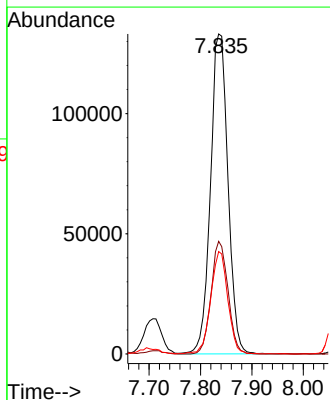
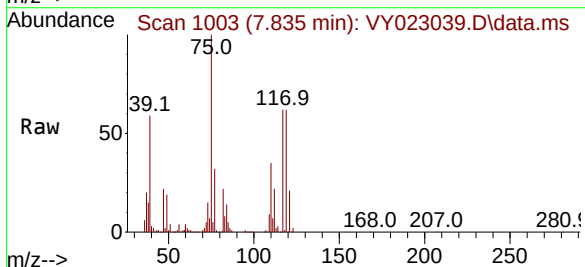
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

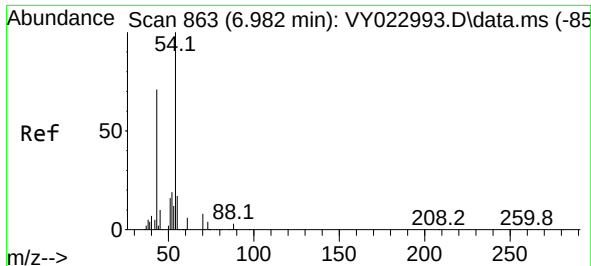
Tgt Ion:113 Resp: 196251
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 18.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 48.205 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 75 Resp: 315447
Ion Ratio Lower Upper
75 100
110 34.0 17.3 51.9
77 31.1 24.6 37.0





#37

Ethyl Acetate

Concen: 47.808 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

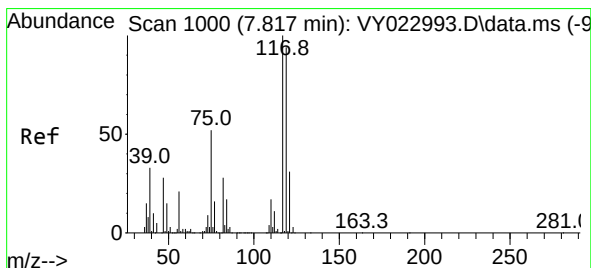
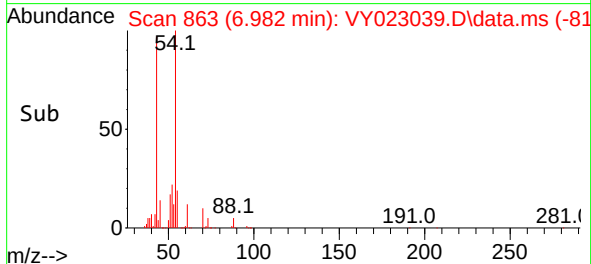
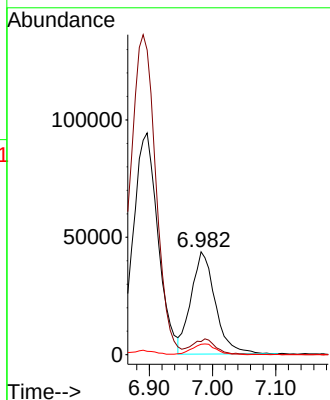
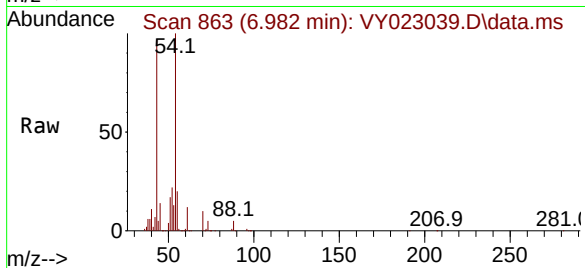
Tgt Ion: 43 Resp: 116191

Ion Ratio Lower Upper

43 100

61 15.1 11.6 17.4

70 10.6 8.5 12.7



#38

Carbon Tetrachloride

Concen: 47.854 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

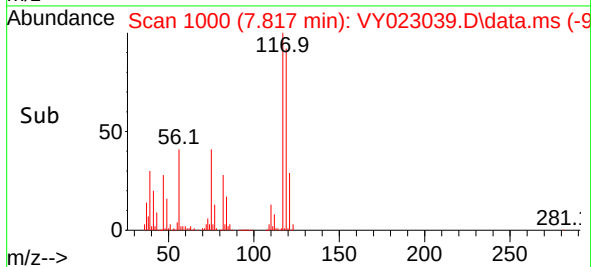
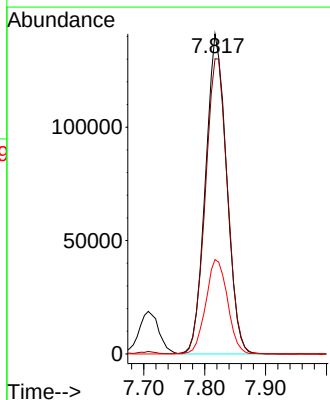
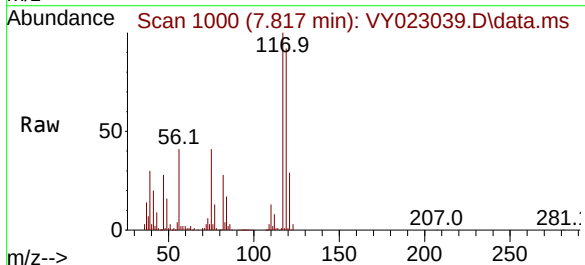
Tgt Ion: 117 Resp: 340207

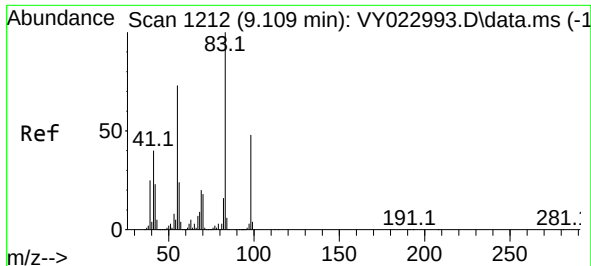
Ion Ratio Lower Upper

117 100

119 92.3 74.9 112.3

121 29.5 24.6 37.0





#39

Methylcyclohexane

Concen: 47.592 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

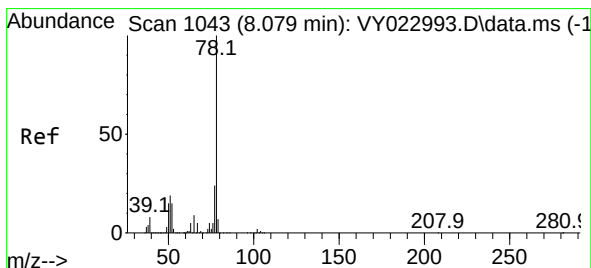
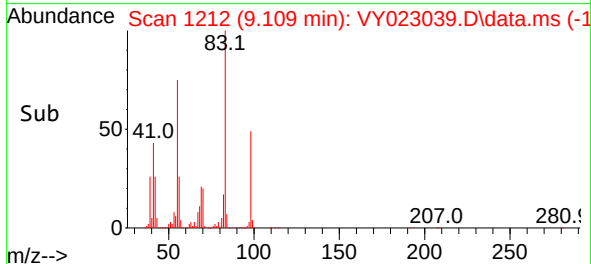
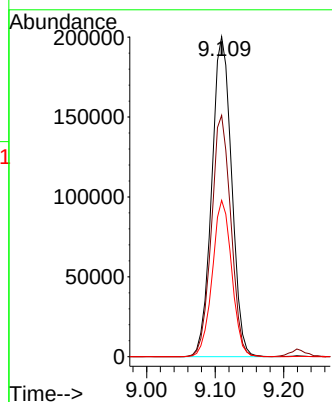
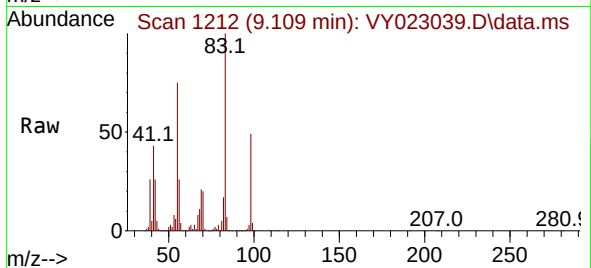
Tgt Ion: 83 Resp: 403099

Ion Ratio Lower Upper

83 100

55 75.4 58.1 87.1

98 48.8 38.5 57.7



#40

Benzene

Concen: 48.727 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023039.D

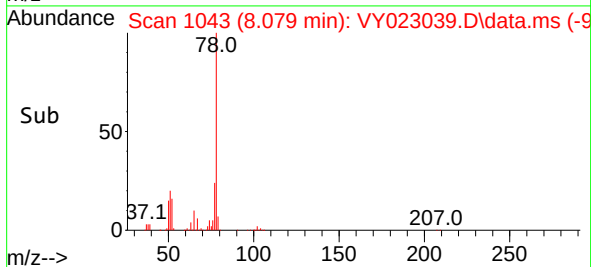
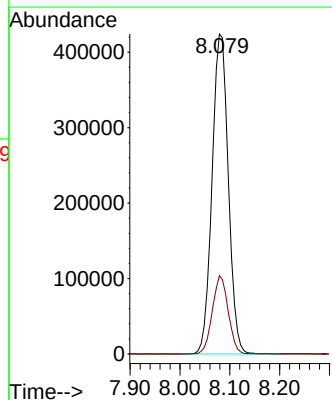
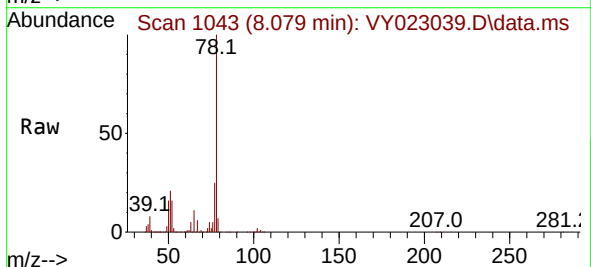
Acq: 22 Jul 2025 11:04

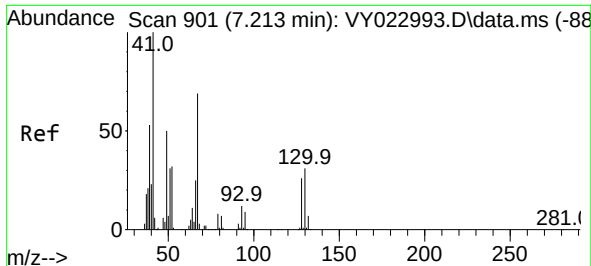
Tgt Ion: 78 Resp: 960054

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.4

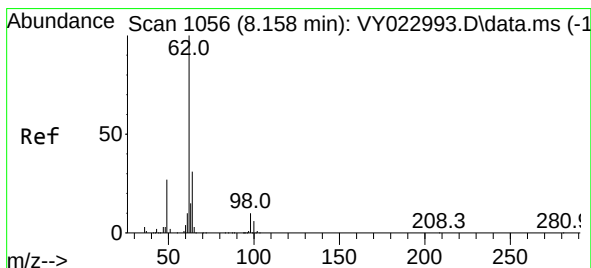
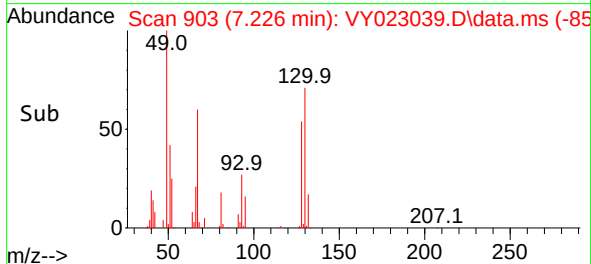
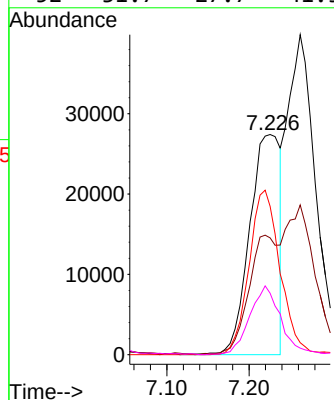
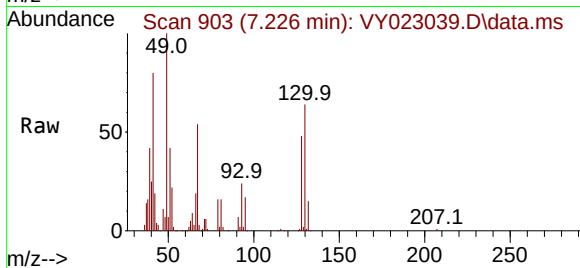




#41
Methacrylonitrile
Concen: 53.562 ug/l
RT: 7.226 min Scan# 901
Delta R.T. 0.012 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

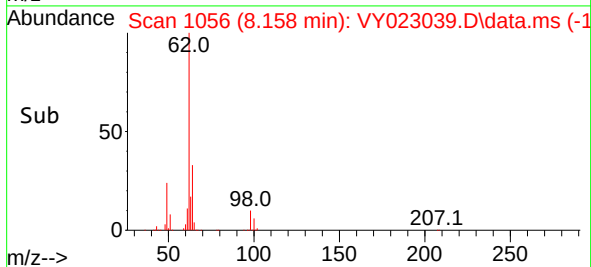
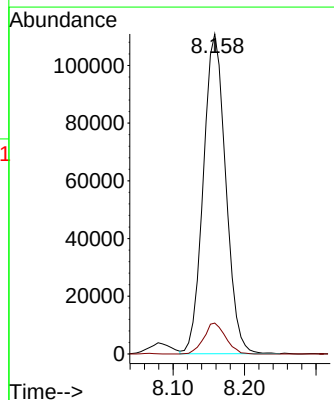
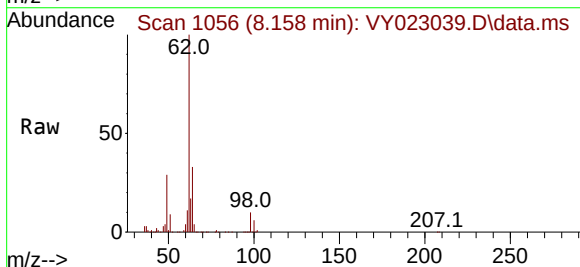
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

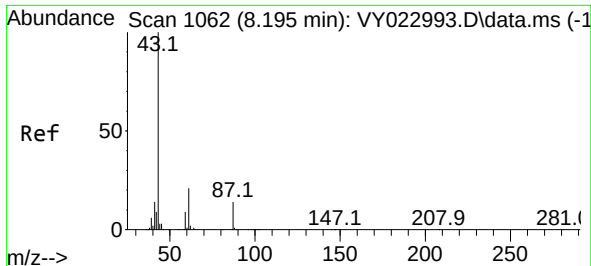
Tgt Ion: 41 Resp: 70913
Ion Ratio Lower Upper
41 100
39 47.5 50.0 75.0#
67 76.7 65.4 98.2
52 31.7 27.7 41.5



#42
1,2-Dichloroethane
Concen: 49.194 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 62 Resp: 241145
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.0

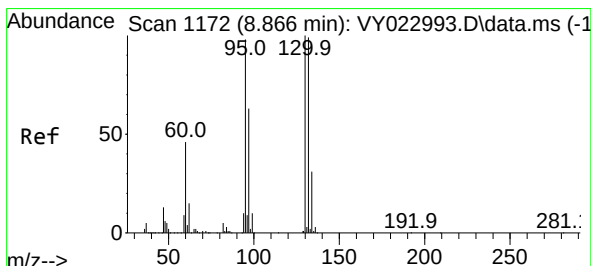
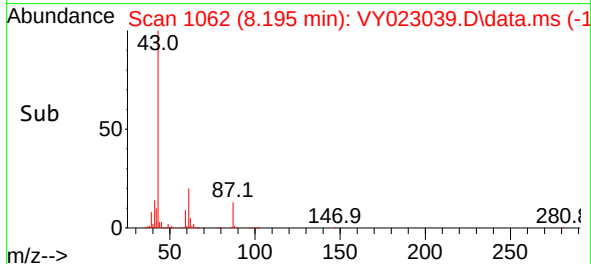
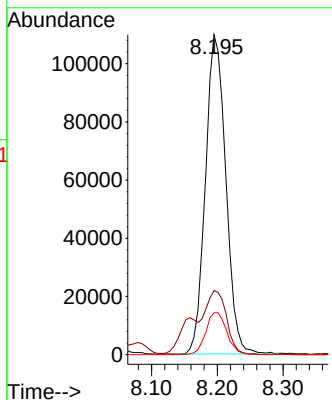
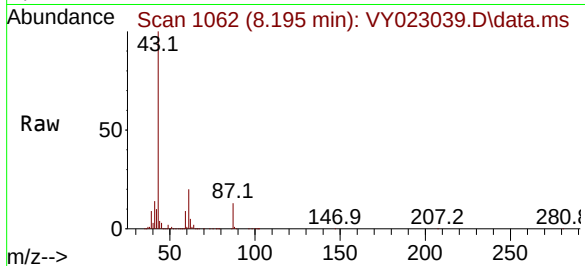




#43
Isopropyl Acetate
Concen: 49.071 ug/l
RT: 8.195 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

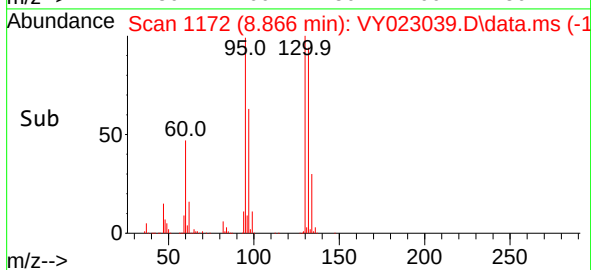
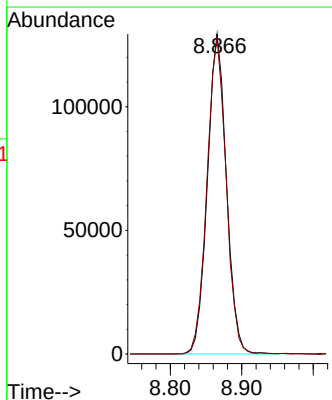
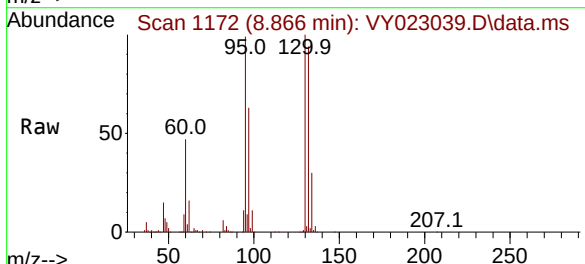
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

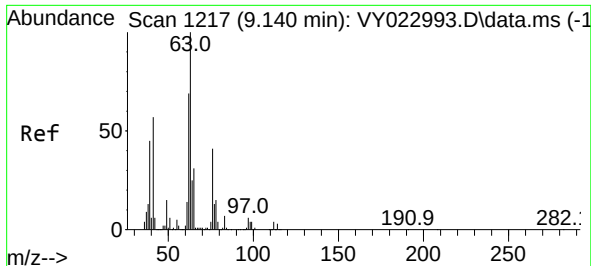
Tgt Ion: 43 Resp: 236894
Ion Ratio Lower Upper
43 100
61 21.2 25.0 37.4#
87 13.6 11.1 16.7



#44
Trichloroethene
Concen: 47.213 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion:130 Resp: 238928
Ion Ratio Lower Upper
130 100
95 99.0 0.0 195.8





#45

1,2-Dichloropropane

Concen: 48.265 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

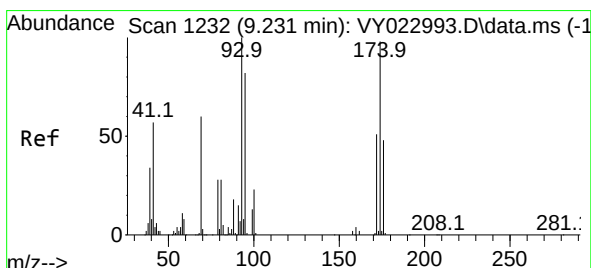
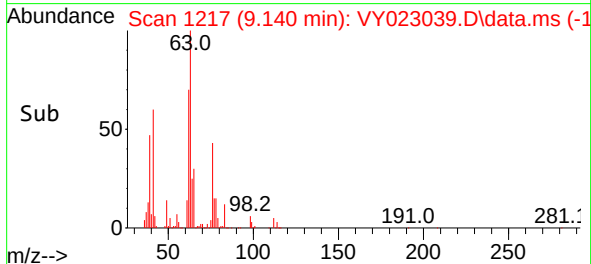
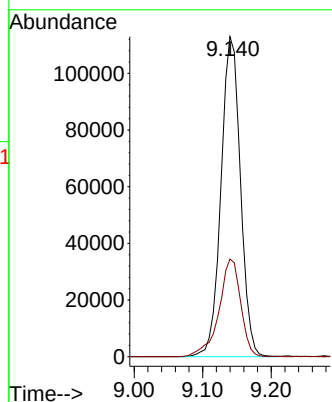
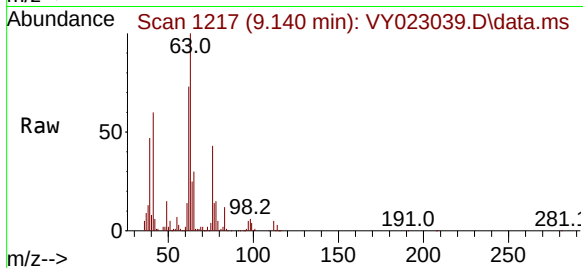
VSTDCCC050

Tgt Ion: 63 Resp: 222072

Ion Ratio Lower Upper

63 100

65 30.4 24.6 37.0



#46

Dibromomethane

Concen: 48.329 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

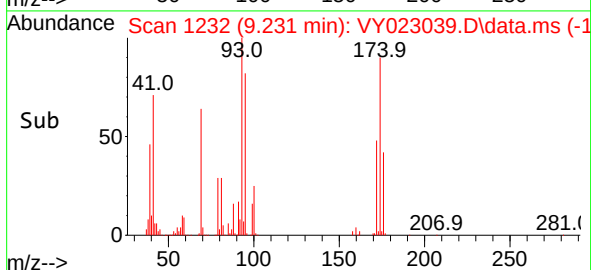
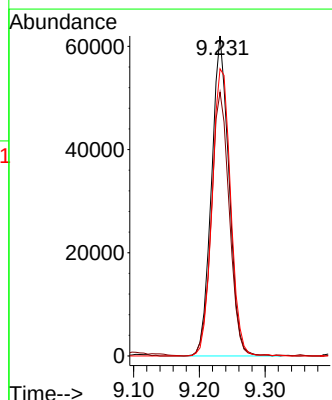
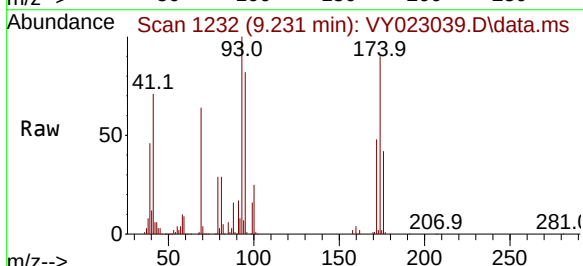
Tgt Ion: 93 Resp: 114939

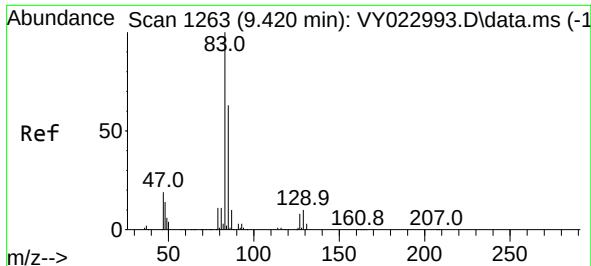
Ion Ratio Lower Upper

93 100

95 84.6 65.9 98.9

174 94.6 76.4 114.6

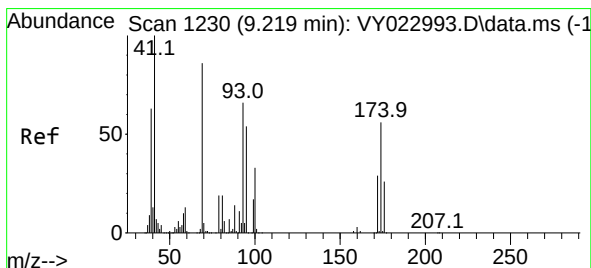
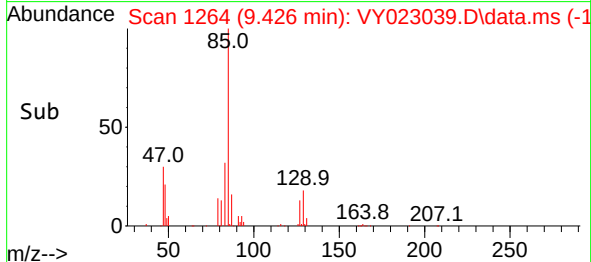
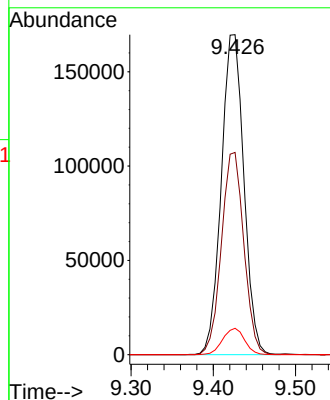
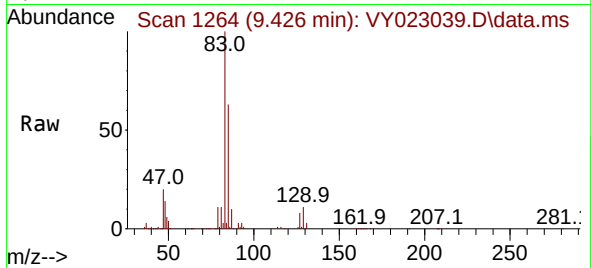




#47
Bromodichloromethane
Concen: 49.313 ug/l
RT: 9.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

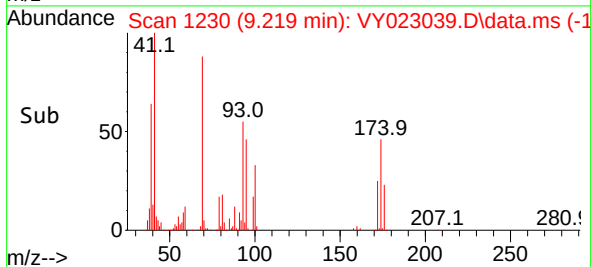
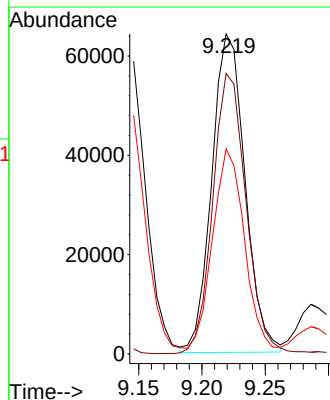
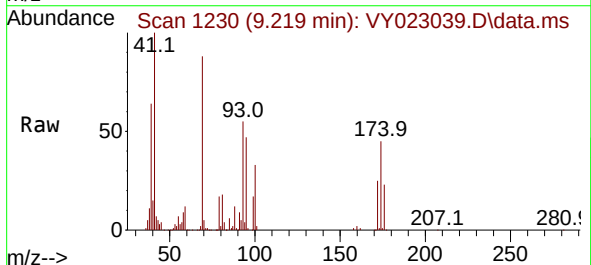
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

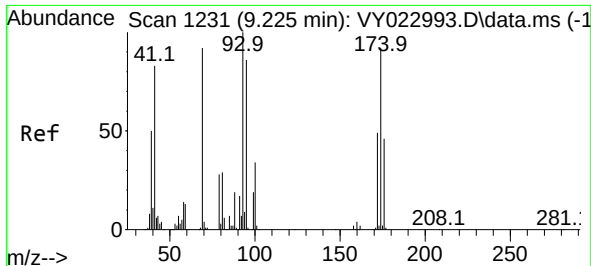
Tgt Ion: 83 Resp: 324186
Ion Ratio Lower Upper
83 100
85 63.2 50.6 75.8
127 8.3 6.5 9.7



#48
Methyl methacrylate
Concen: 50.308 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 41 Resp: 117253
Ion Ratio Lower Upper
41 100
69 89.4 71.4 107.0
39 59.3 47.8 71.8





#49

1,4-Dioxane

Concen: 953.644 ug/l

RT: 9.225 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

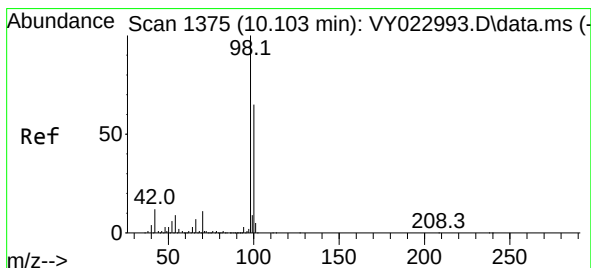
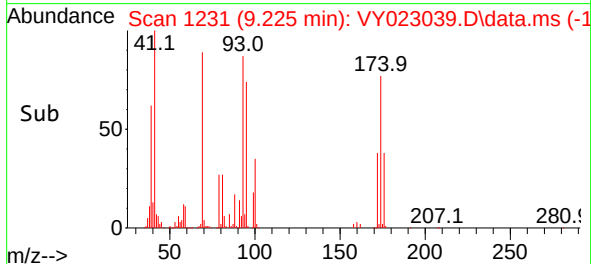
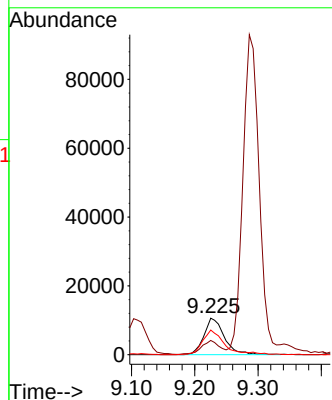
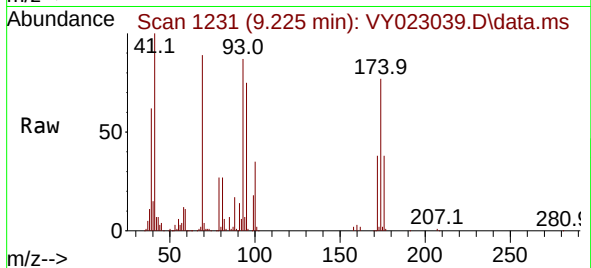
Tgt Ion: 88 Resp: 23907

Ion Ratio Lower Upper

88 100

43 33.6 28.7 43.1

58 72.2 59.8 89.6



#50

Toluene-d8

Concen: 48.088 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023039.D

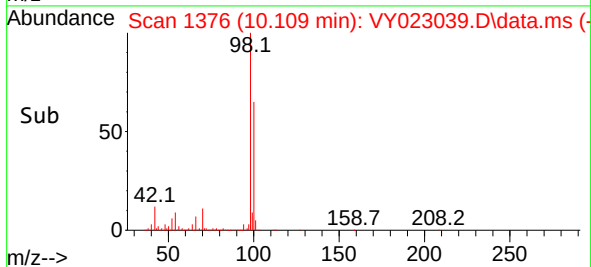
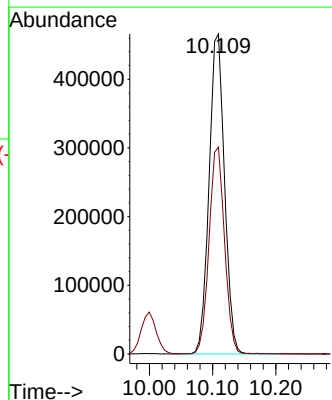
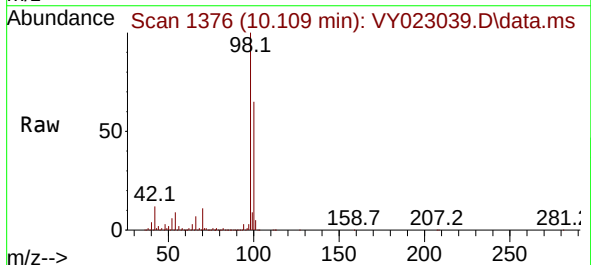
Acq: 22 Jul 2025 11:04

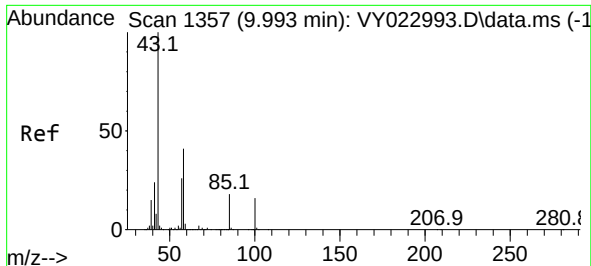
Tgt Ion: 98 Resp: 792225

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 256.182 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

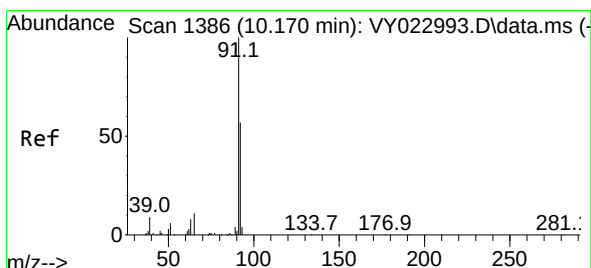
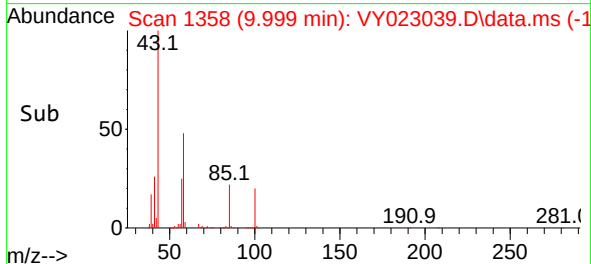
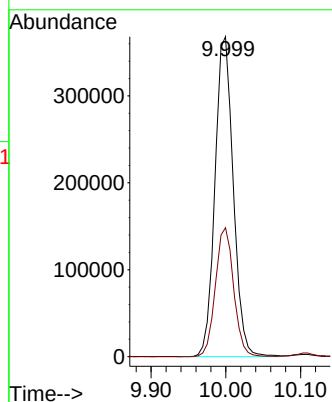
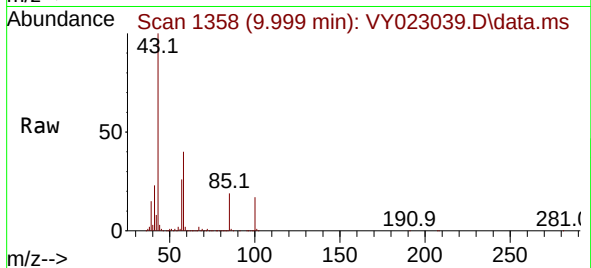
VSTDCCC050

Tgt Ion: 43 Resp: 627727

Ion Ratio Lower Upper

43 100

58 40.4 32.5 48.7



#52

Toluene

Concen: 50.053 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023039.D

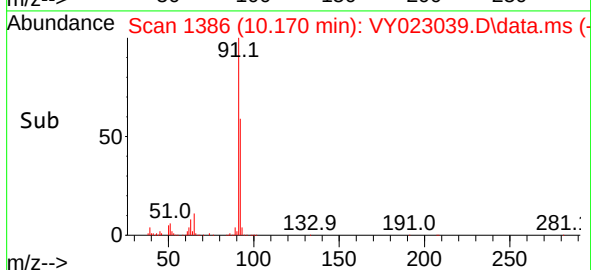
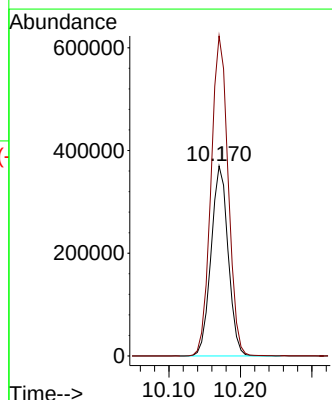
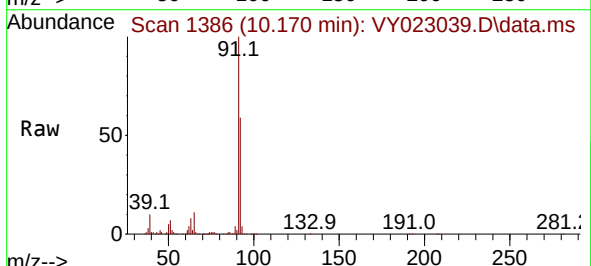
Acq: 22 Jul 2025 11:04

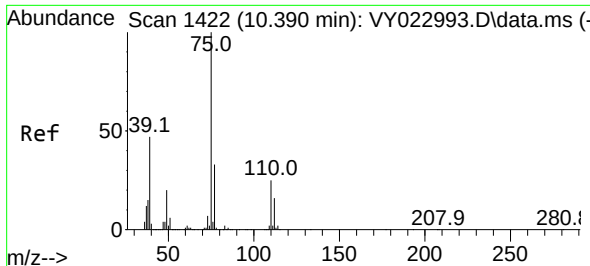
Tgt Ion: 92 Resp: 613136

Ion Ratio Lower Upper

92 100

91 169.7 137.8 206.6

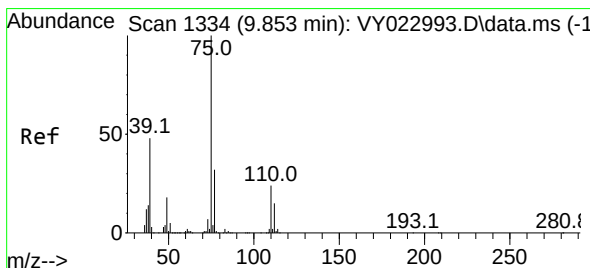
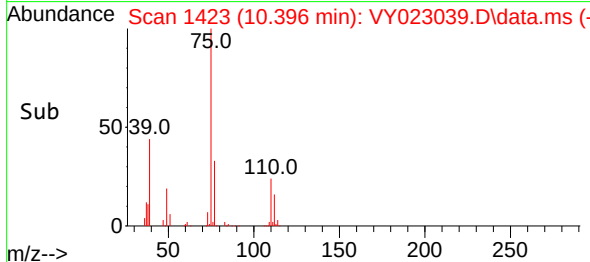
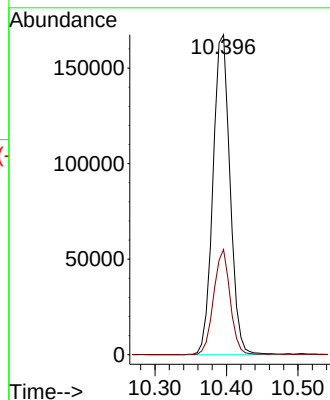
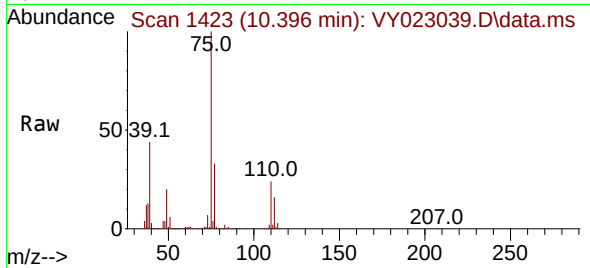




#53
t-1,3-Dichloropropene
Concen: 49.205 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

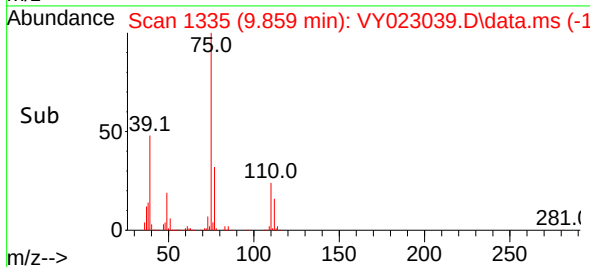
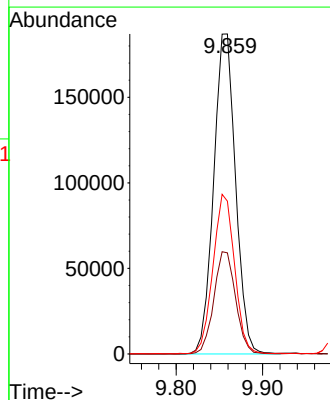
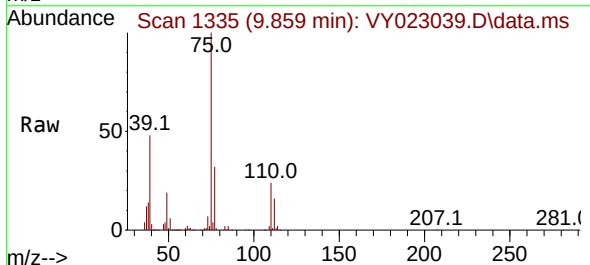
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

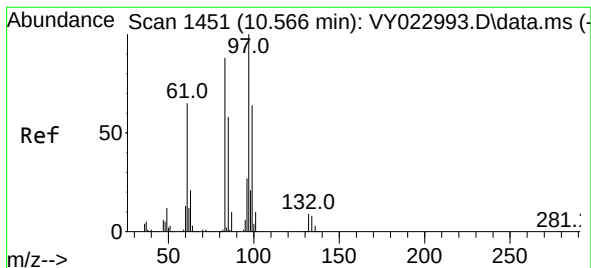
Tgt Ion: 75 Resp: 277671
Ion Ratio Lower Upper
75 100
77 32.8 26.4 39.6



#54
cis-1,3-Dichloropropene
Concen: 48.352 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 75 Resp: 328881
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 47.5 38.2 57.2



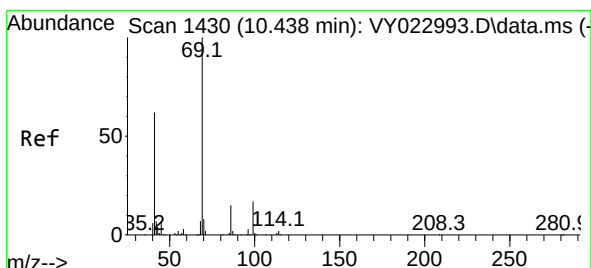
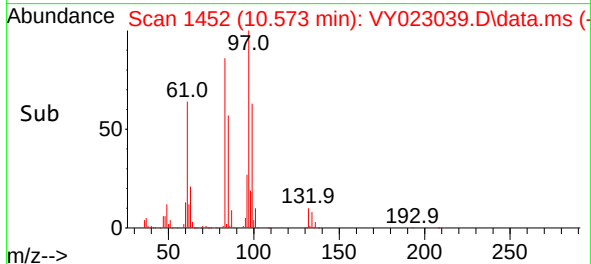
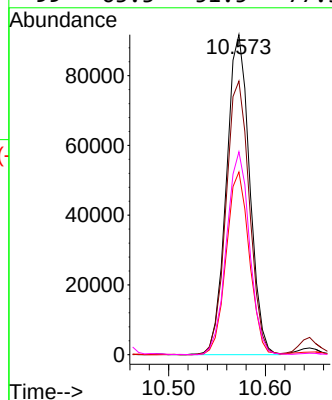
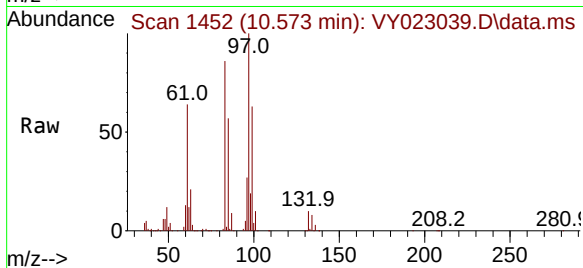


#55
1,1,2-Trichloroethane
Concen: 48.985 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 153120

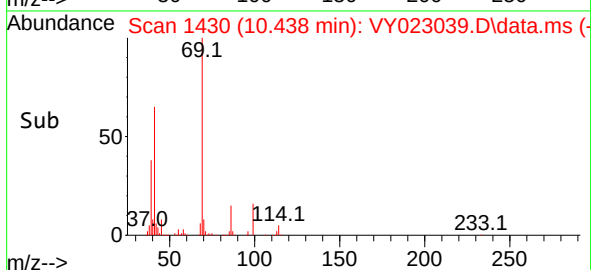
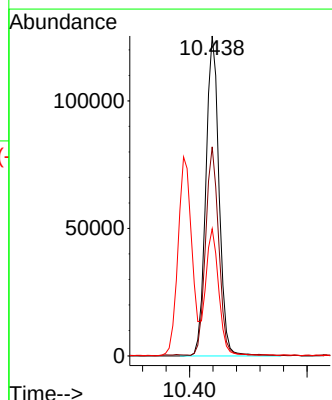
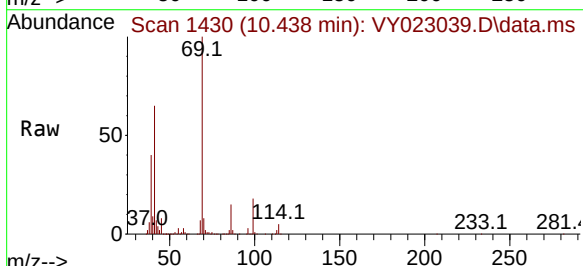
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.2	105.2
85	57.1	46.2	69.2
99	63.3	51.5	77.3

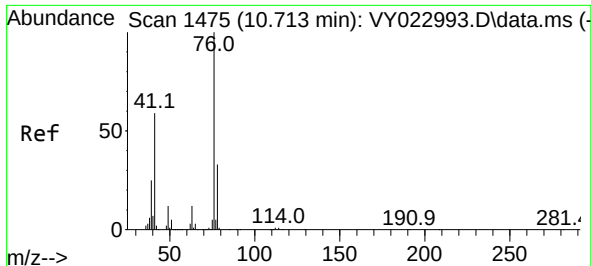


#56
Ethyl methacrylate
Concen: 50.238 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 69 Resp: 196034

Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.0	76.4
39	39.8	30.6	46.0





#57

1,3-Dichloropropane

Concen: 49.284 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

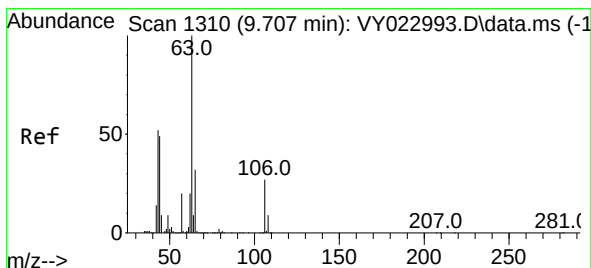
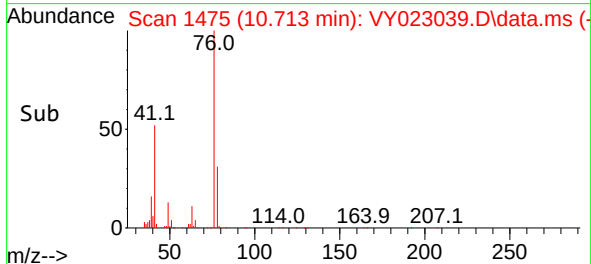
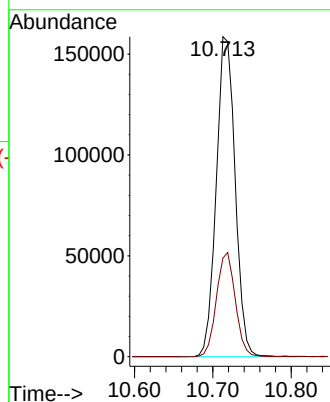
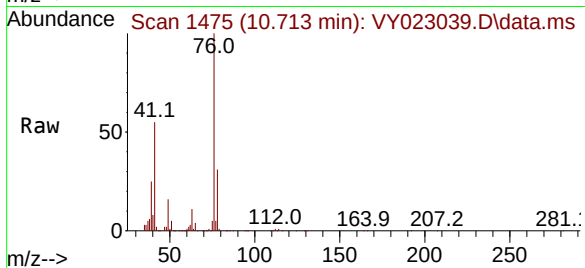
VSTDCCC050

Tgt Ion: 76 Resp: 266128

Ion Ratio Lower Upper

76 100

78 32.5 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 256.871 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023039.D

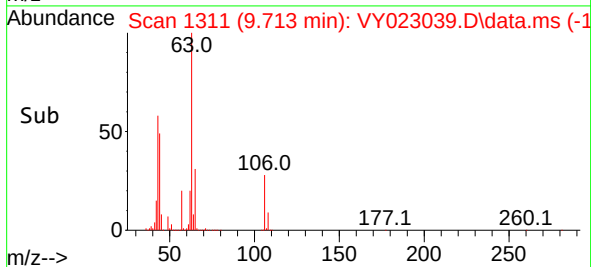
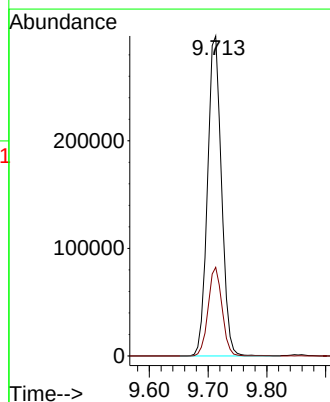
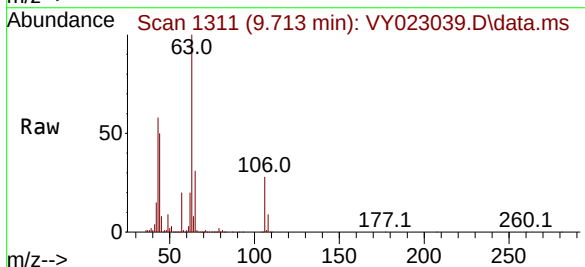
Acq: 22 Jul 2025 11:04

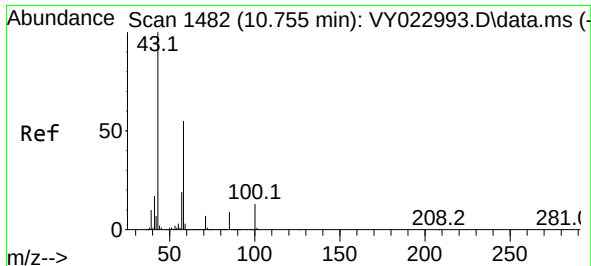
Tgt Ion: 63 Resp: 490656

Ion Ratio Lower Upper

63 100

106 27.6 22.6 33.8

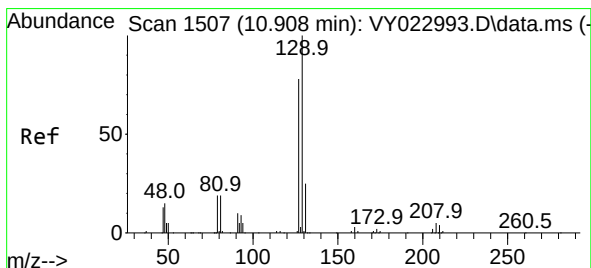
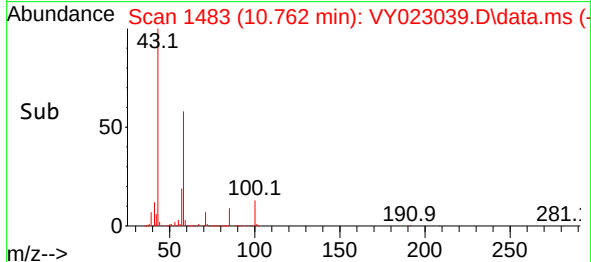
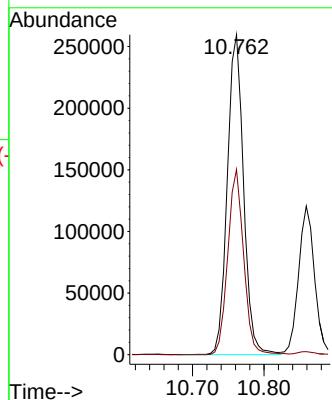
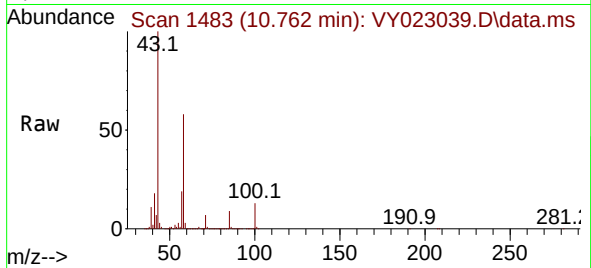




#59
2-Hexanone
Concen: 254.369 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

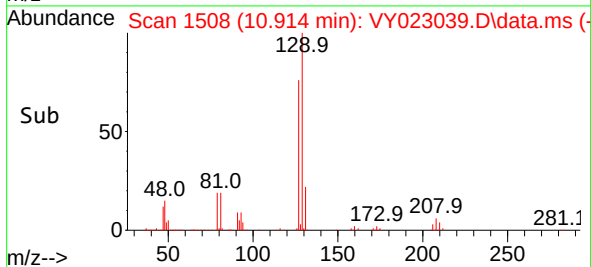
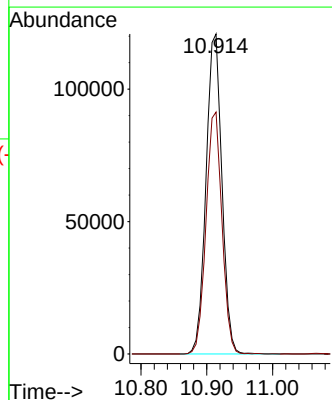
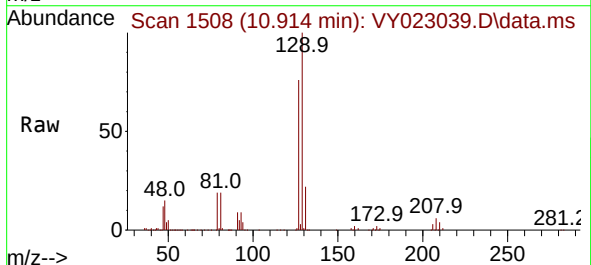
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

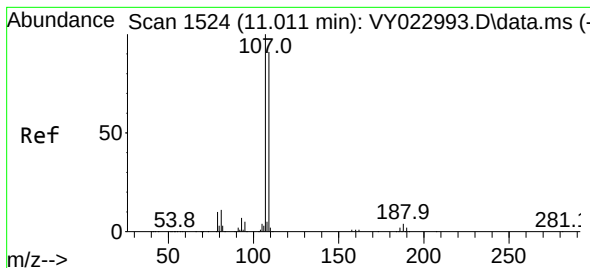
Tgt Ion: 43 Resp: 409696
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 49.555 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion:129 Resp: 202841
Ion Ratio Lower Upper
129 100
127 75.9 38.7 116.1

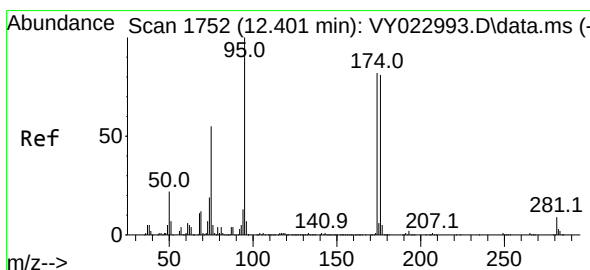
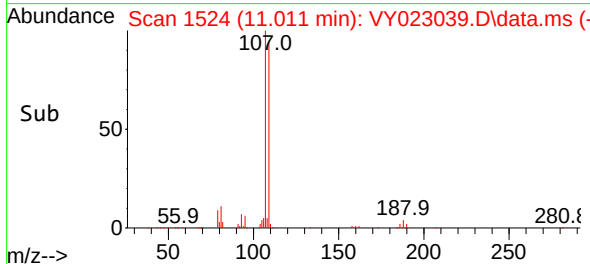
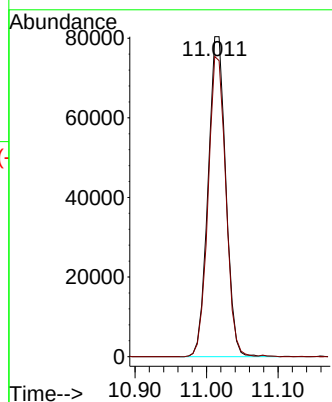
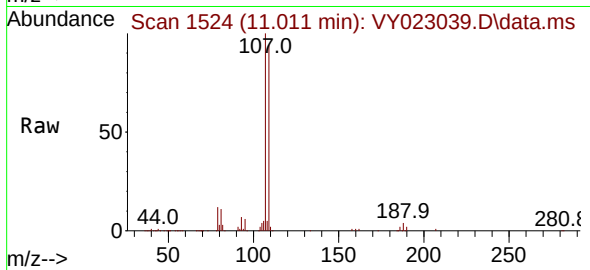




#61
1,2-Dibromoethane
Concen: 48.738 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

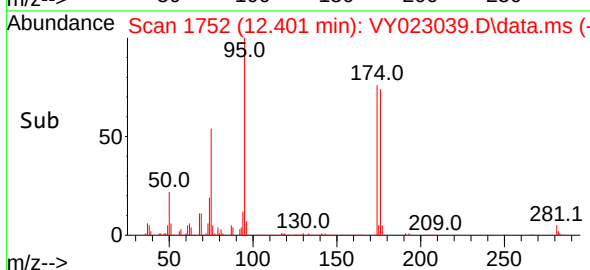
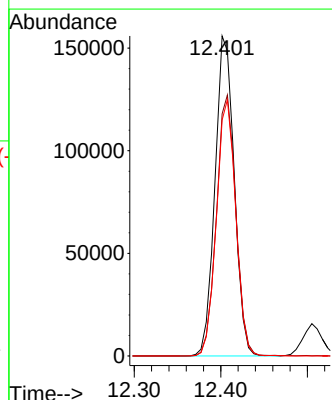
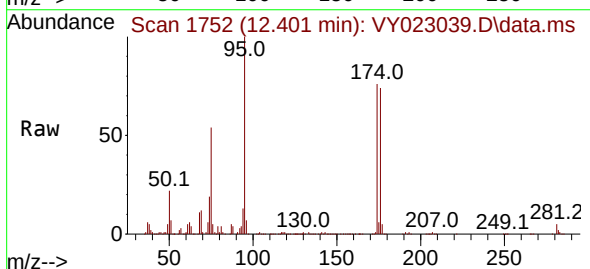
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

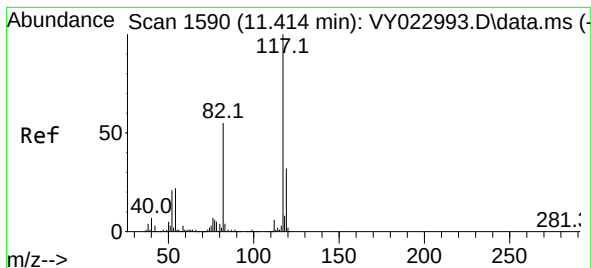
Tgt Ion:107 Resp: 138348
Ion Ratio Lower Upper
107 100
109 93.8 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 46.403 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 95 Resp: 240644
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.8
176 80.3 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

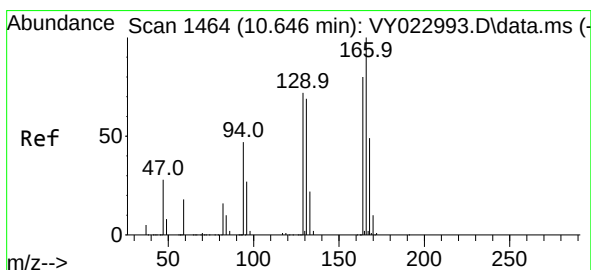
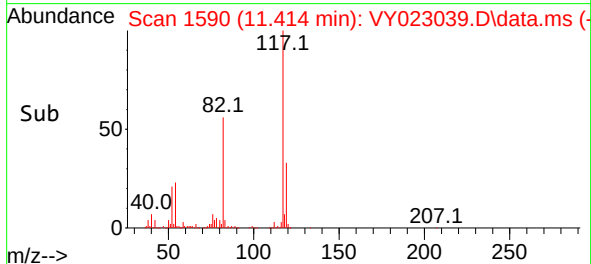
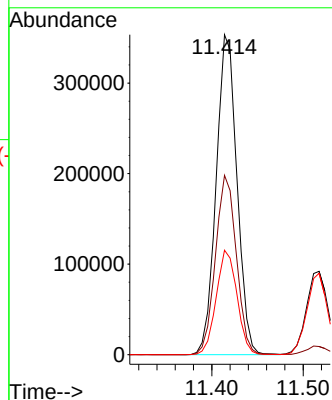
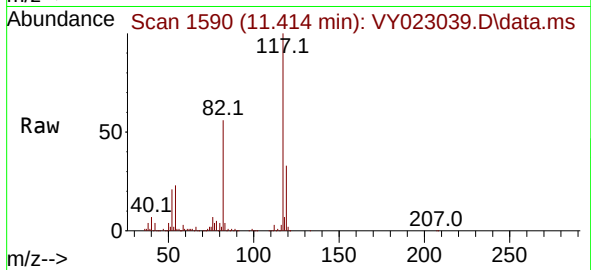
Tgt Ion:117 Resp: 559169

Ion Ratio Lower Upper

117 100

82 56.0 44.3 66.5

119 32.6 25.8 38.8



#64

Tetrachloroethene

Concen: 48.193 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Tgt Ion:164 Resp: 275448

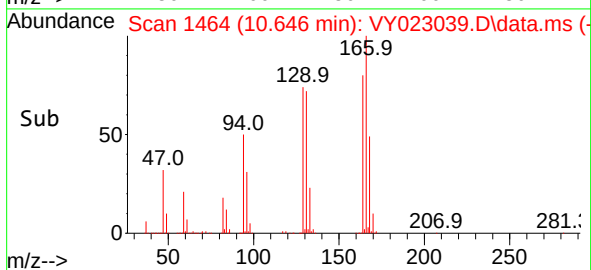
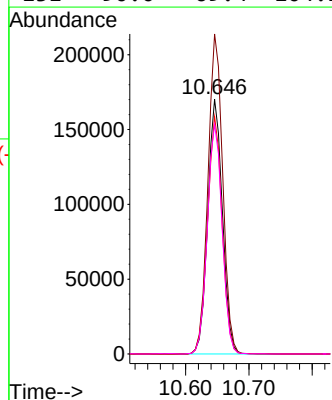
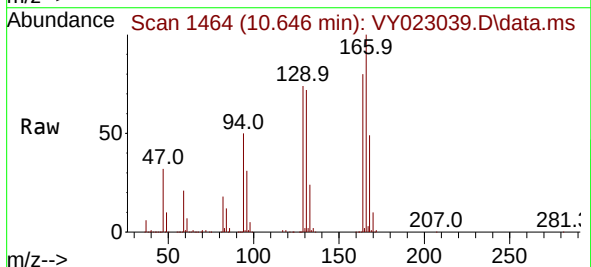
Ion Ratio Lower Upper

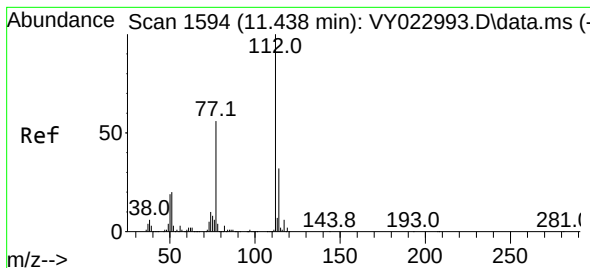
164 100

166 125.6 100.2 150.2

129 93.1 71.7 107.5

131 90.0 69.4 104.2





#65

Chlorobenzene

Concen: 47.963 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

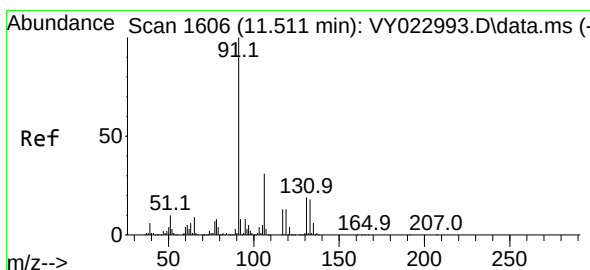
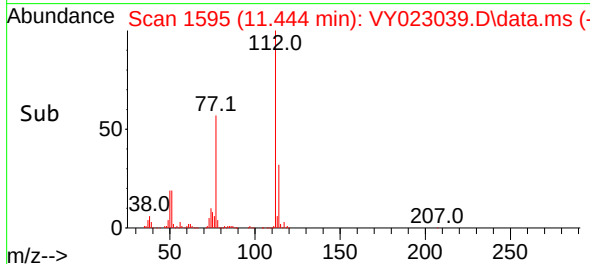
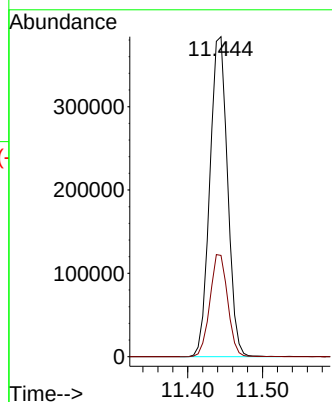
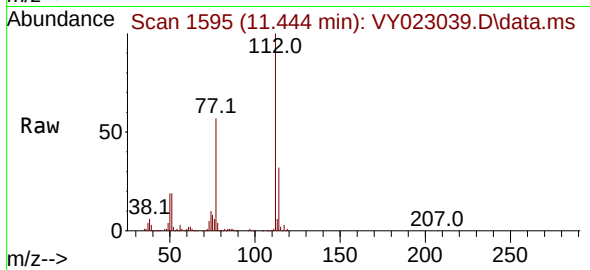
VSTDCCC050

Tgt Ion:112 Resp: 632860

Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 47.314 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

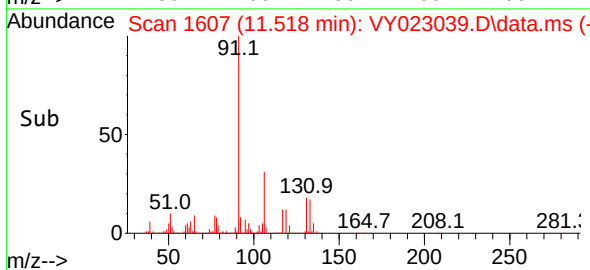
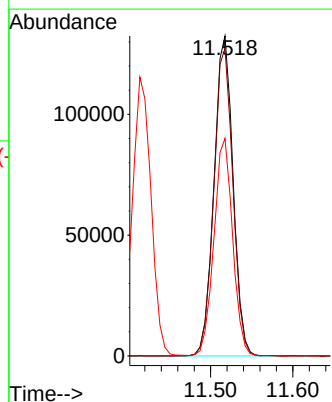
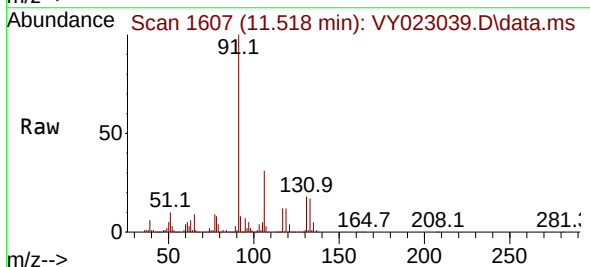
Tgt Ion:131 Resp: 212932

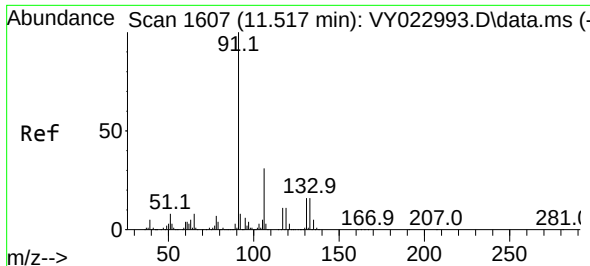
Ion Ratio Lower Upper

131 100

133 96.3 47.8 143.3

119 66.9 33.3 99.8





#67

Ethyl Benzene

Concen: 48.975 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

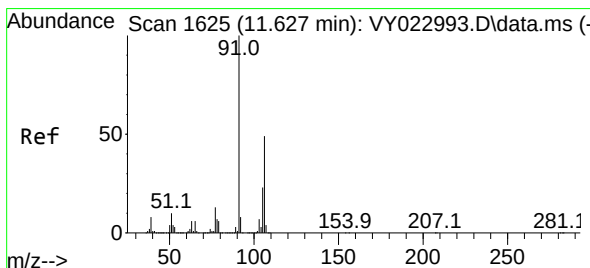
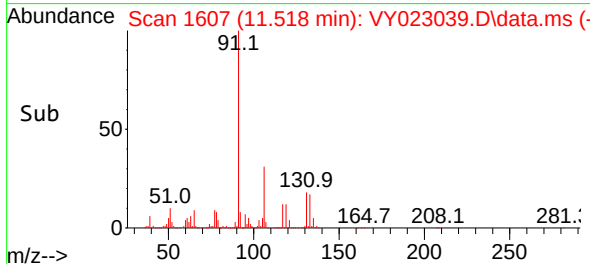
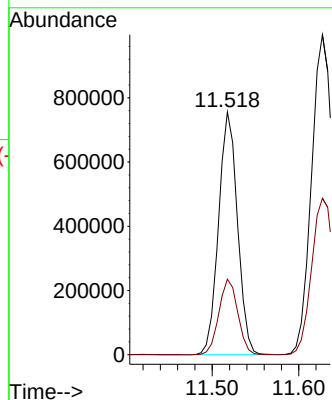
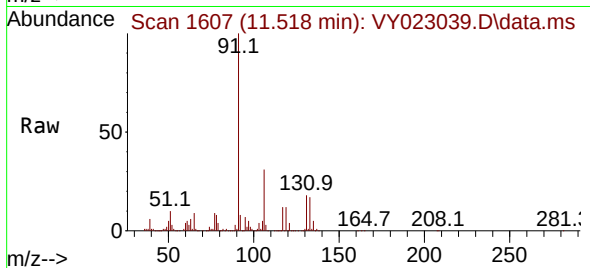
VSTDCCC050

Tgt Ion: 91 Resp: 1145408

Ion Ratio Lower Upper

91 100

106 31.1 24.6 37.0



#68

m/p-Xylenes

Concen: 98.220 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023039.D

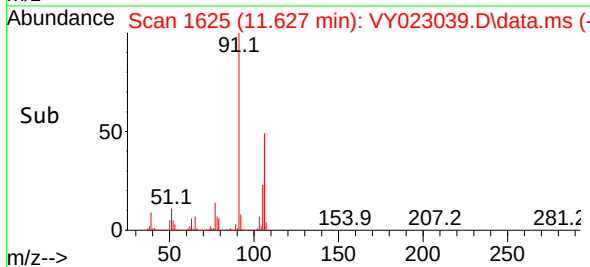
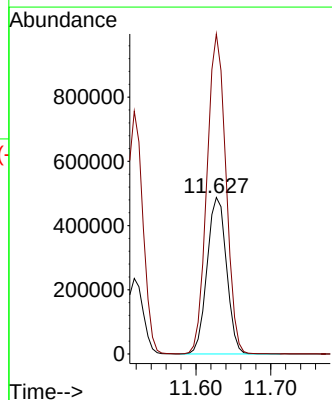
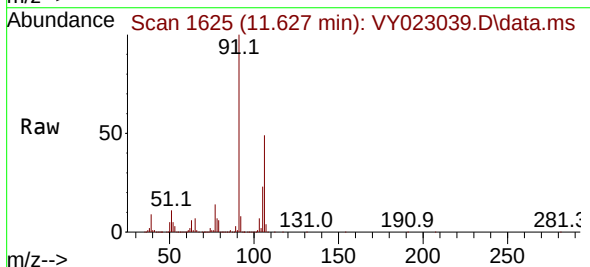
Acq: 22 Jul 2025 11:04

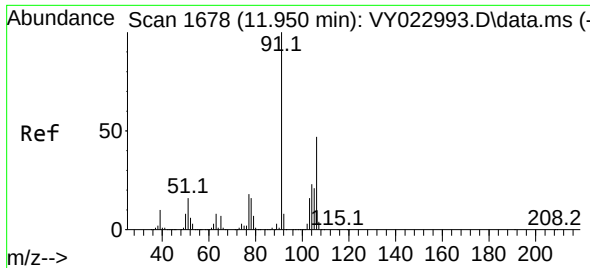
Tgt Ion:106 Resp: 881100

Ion Ratio Lower Upper

106 100

91 199.8 159.8 239.8

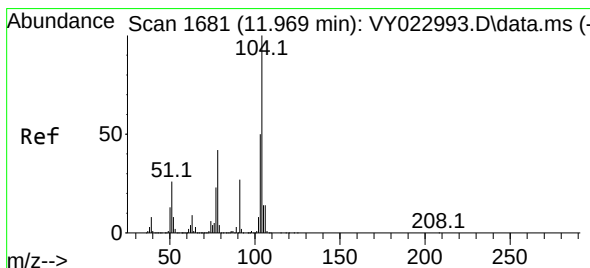
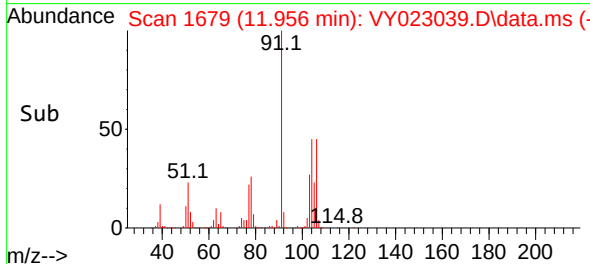
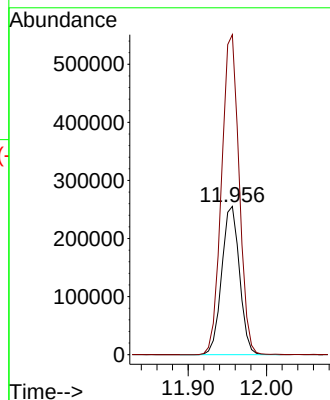
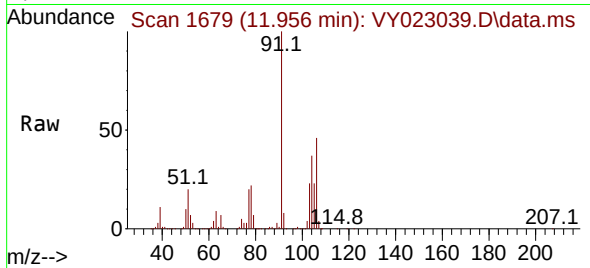




#69
o-Xylene
Concen: 48.493 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

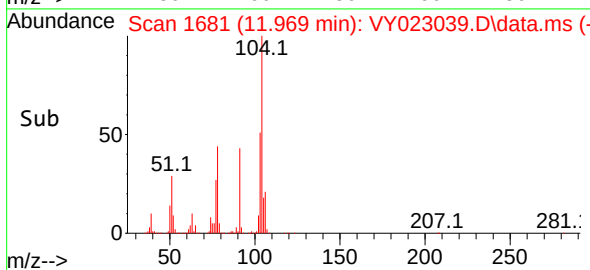
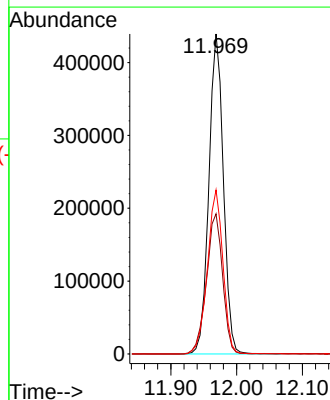
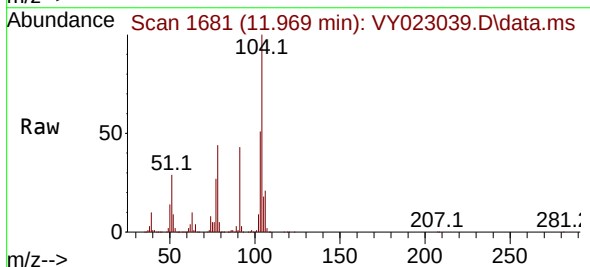
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

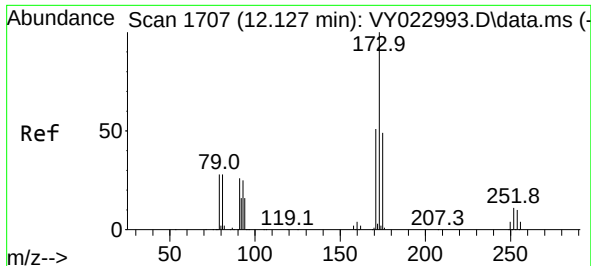
Tgt Ion:106 Resp: 403716
Ion Ratio Lower Upper
106 100
91 213.3 106.3 318.8



#70
Styrene
Concen: 49.451 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion:104 Resp: 674359
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.6
103 54.9 43.7 65.5

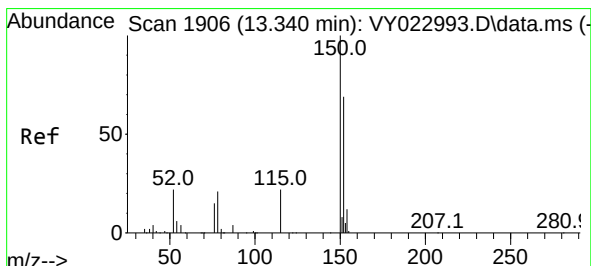
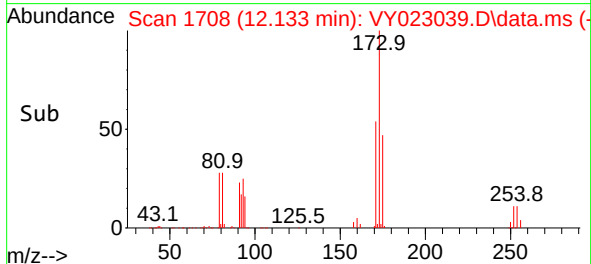
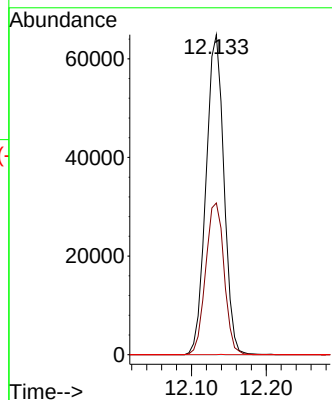
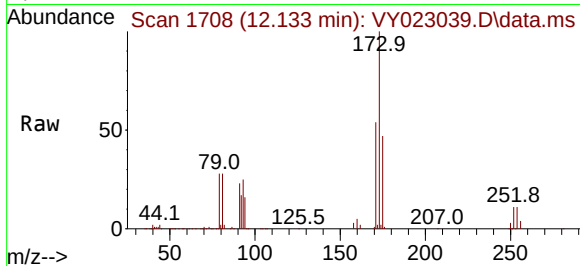




#71
Bromoform
Concen: 47.188 ug/l
RT: 12.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

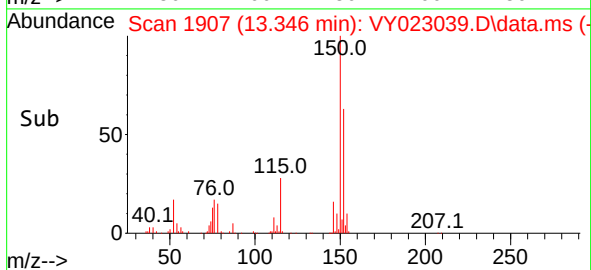
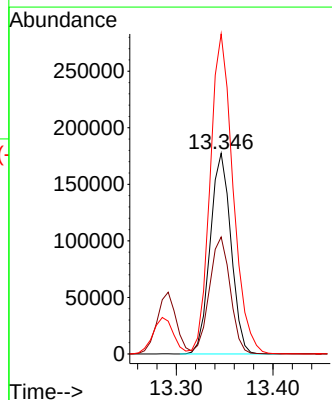
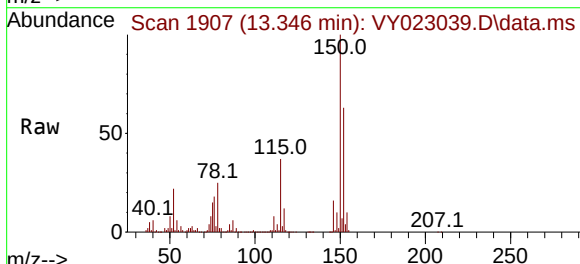
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

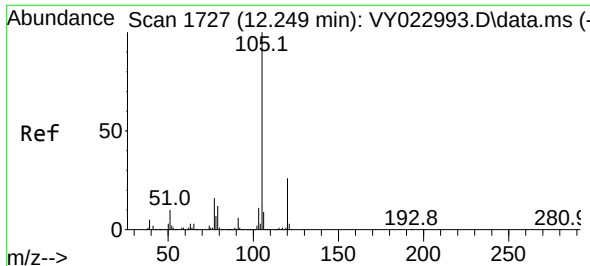
Tgt Ion:173 Resp: 107810
Ion Ratio Lower Upper
173 100
175 48.9 24.6 73.8
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion:152 Resp: 265668
Ion Ratio Lower Upper
152 100
115 58.2 29.4 88.2
150 175.4 0.0 350.0

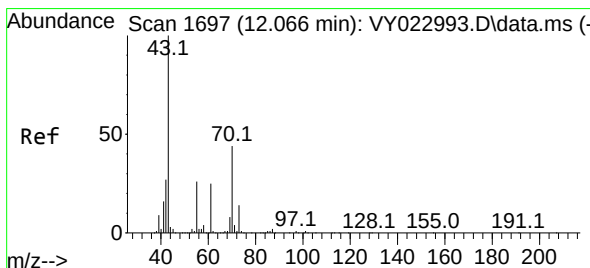
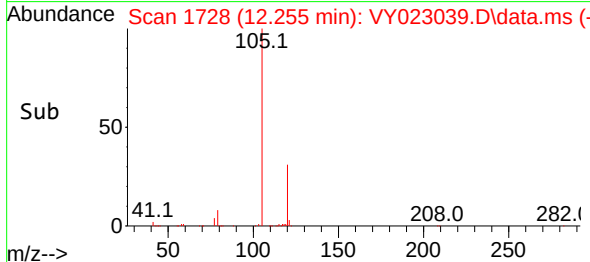
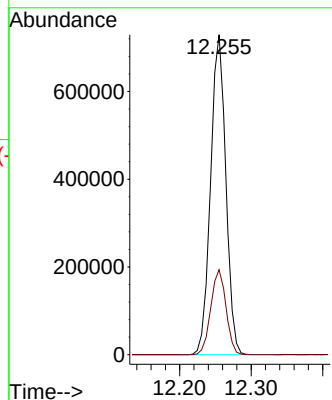
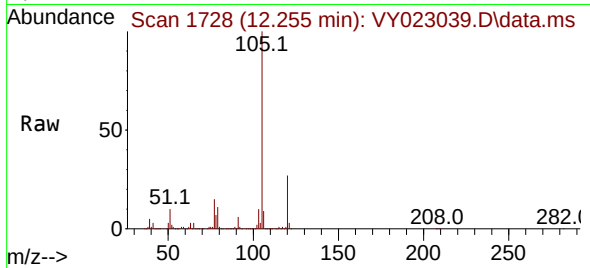




#73
Isopropylbenzene
Concen: 47.824 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

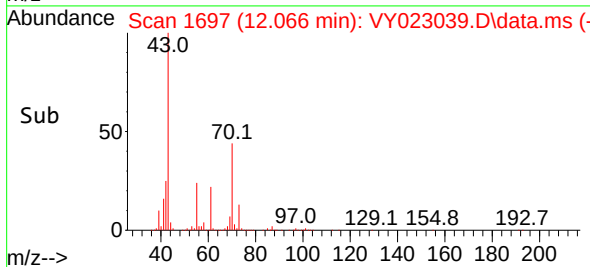
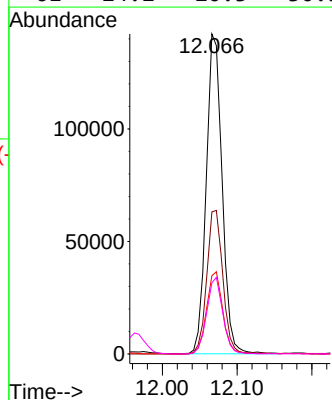
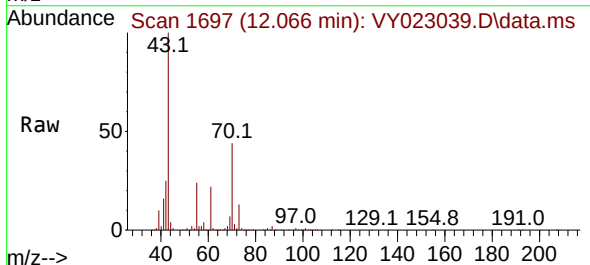
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

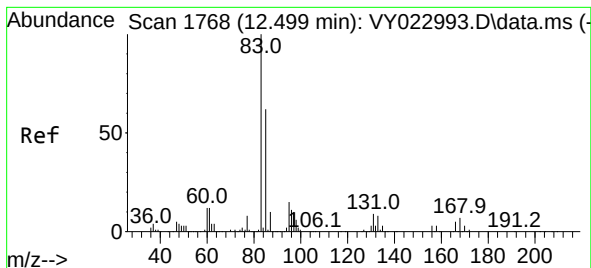
Tgt Ion:105 Resp: 1077188
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6



#74
N-ethyl acetate
Concen: 49.279 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 43 Resp: 209264
Ion Ratio Lower Upper
43 100
70 45.6 36.2 54.2
55 26.6 20.9 31.3
61 24.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.448 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

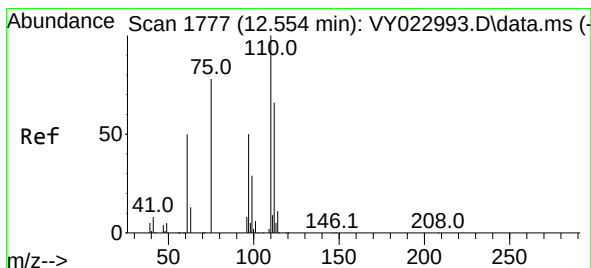
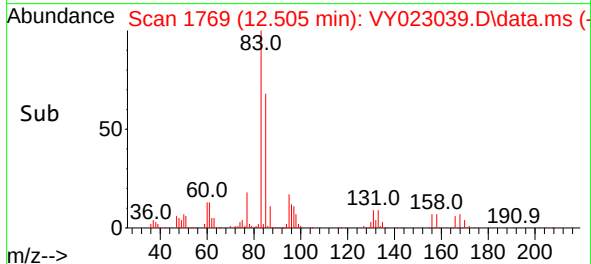
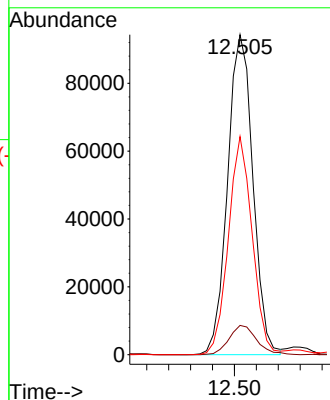
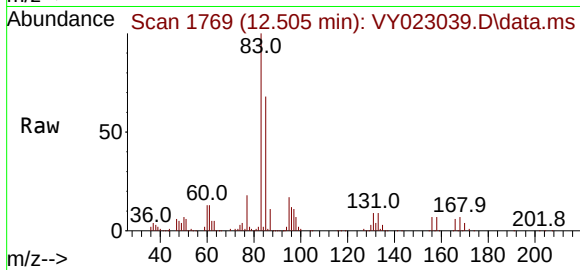
Tgt Ion: 83 Resp: 151397

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.4

85 64.1 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 66.102 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY023039.D

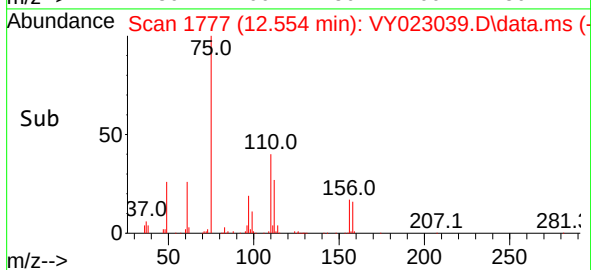
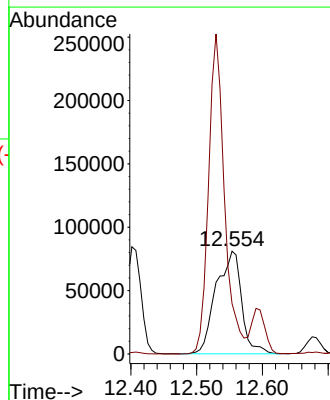
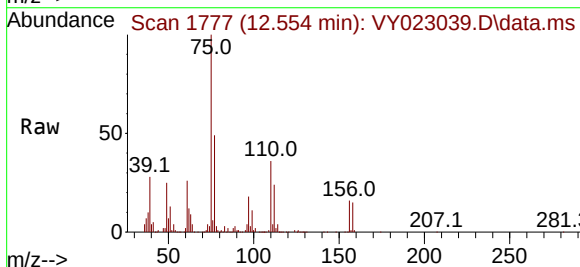
Acq: 22 Jul 2025 11:04

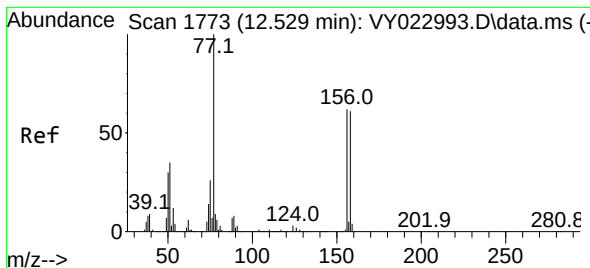
Tgt Ion: 75 Resp: 218827

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.645 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

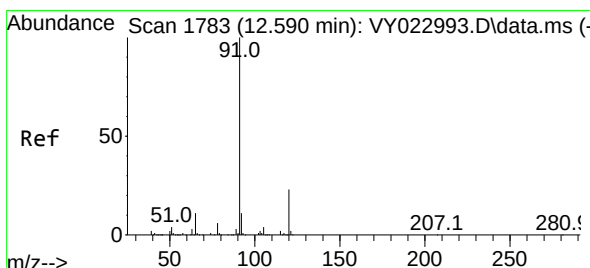
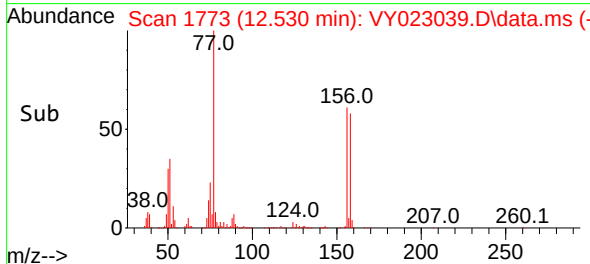
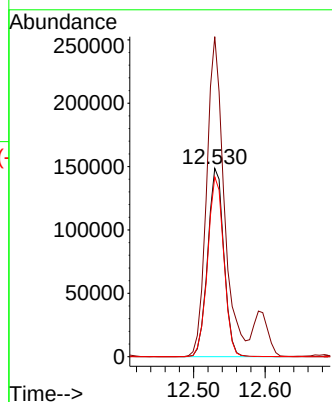
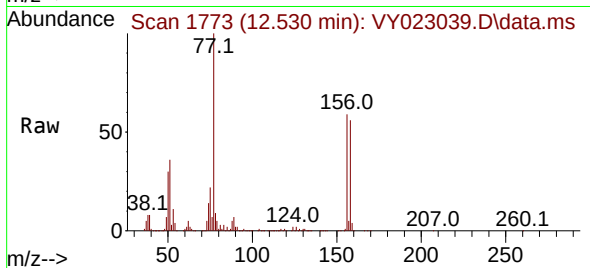
Tgt Ion:156 Resp: 232750

Ion Ratio Lower Upper

156 100

77 183.6 92.0 276.1

158 96.0 48.6 145.9



#78

n-propylbenzene

Concen: 49.196 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023039.D

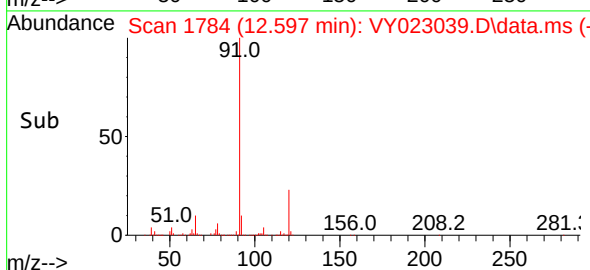
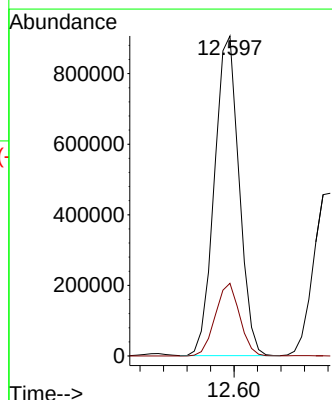
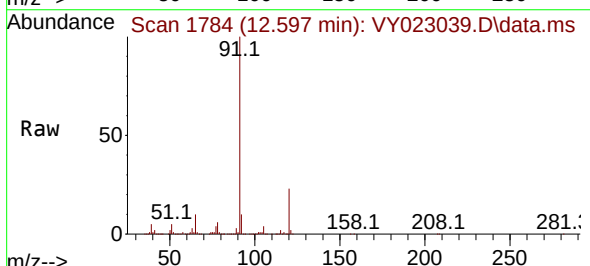
Acq: 22 Jul 2025 11:04

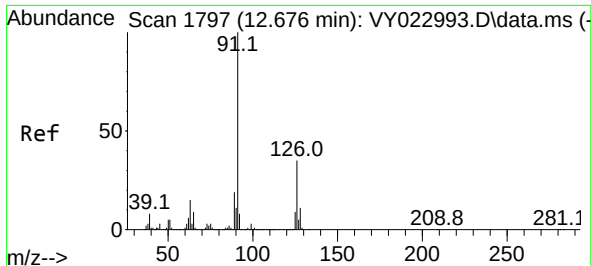
Tgt Ion: 91 Resp: 1319574

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.8

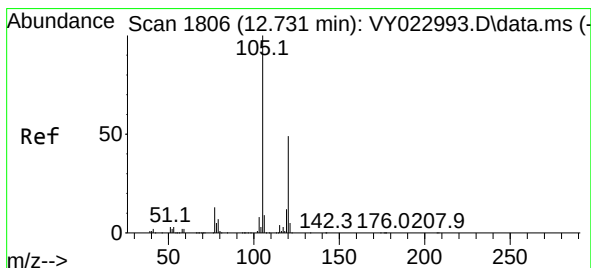
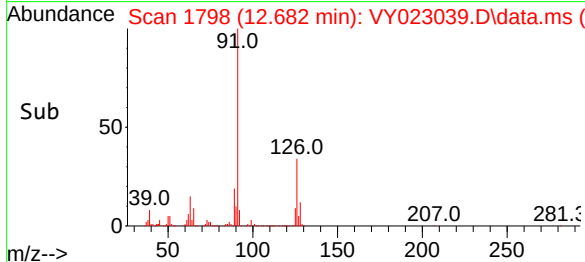
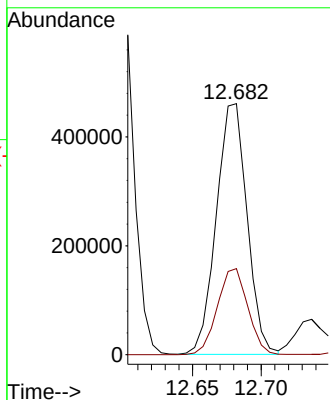
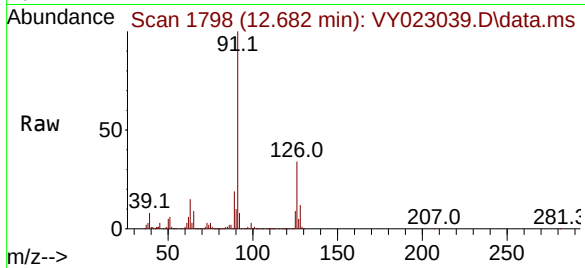




#79
2-Chlorotoluene
Concen: 47.778 ug/l
RT: 12.682 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

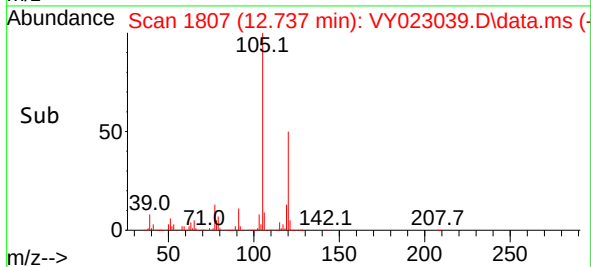
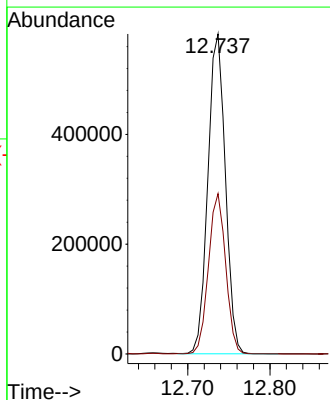
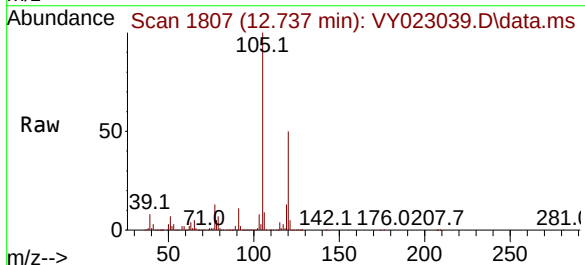
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

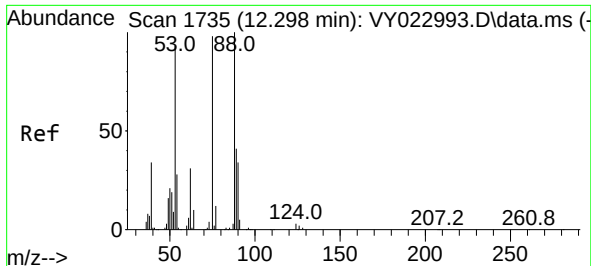
Tgt Ion: 91 Resp: 720755
Ion Ratio Lower Upper
91 100
126 34.0 17.0 50.9



#80
1,3,5-Trimethylbenzene
Concen: 48.483 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 105 Resp: 861281
Ion Ratio Lower Upper
105 100
120 49.4 24.6 73.8

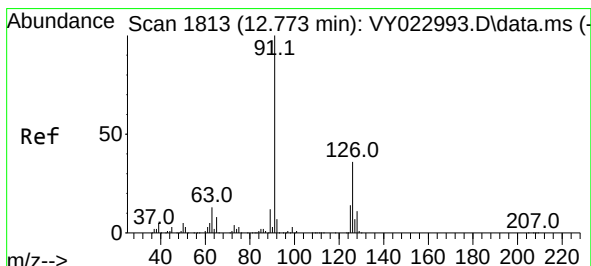
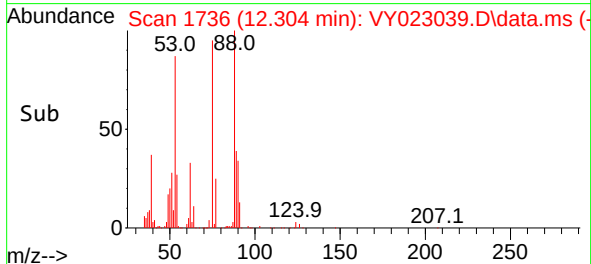
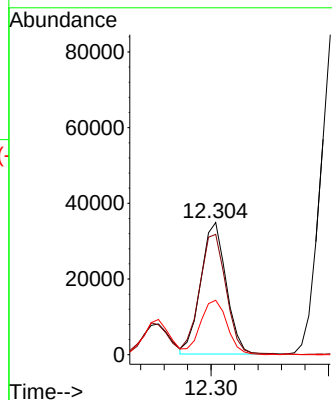
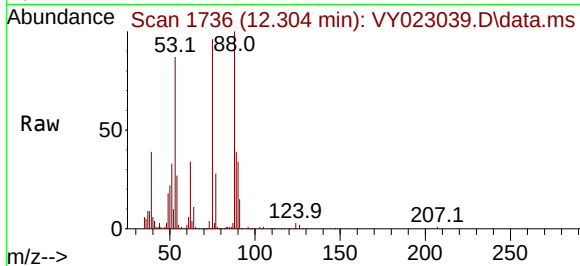




#81
trans-1,4-Dichloro-2-butene
Concen: 46.971 ug/l
RT: 12.304 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

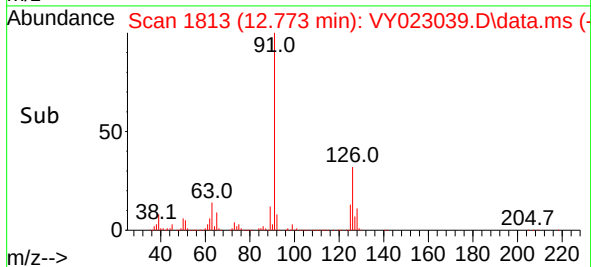
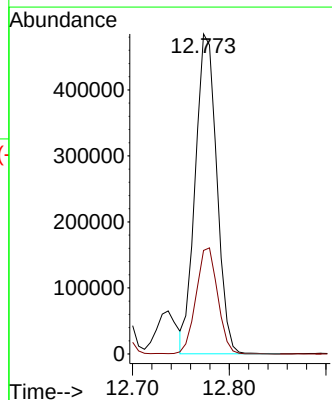
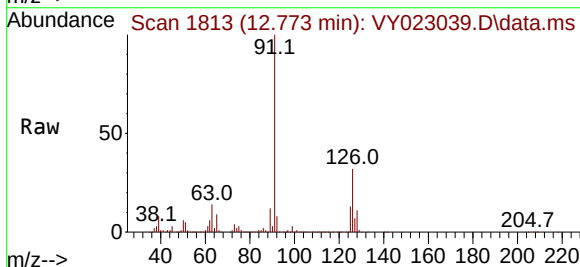
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

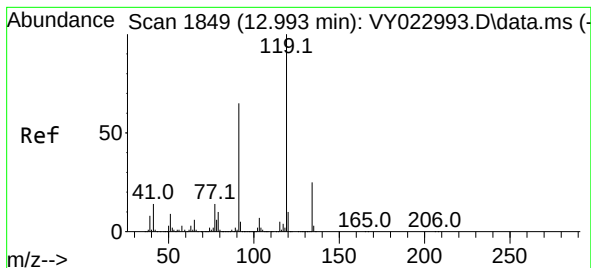
Tgt Ion: 75 Resp: 52206
Ion Ratio Lower Upper
75 100
53 96.1 76.1 114.1
89 43.8 36.1 54.1



#82
4-Chlorotoluene
Concen: 49.179 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion: 91 Resp: 748246
Ion Ratio Lower Upper
91 100
126 33.5 17.2 51.5

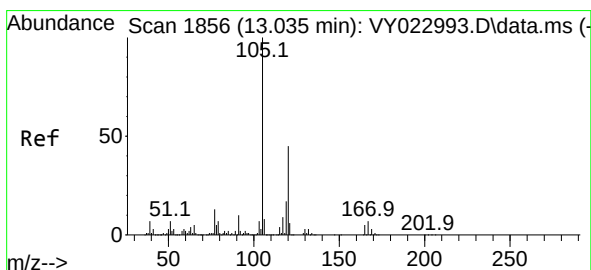
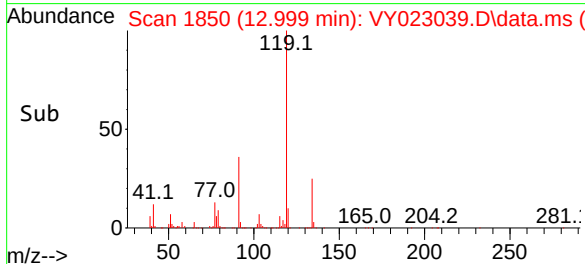
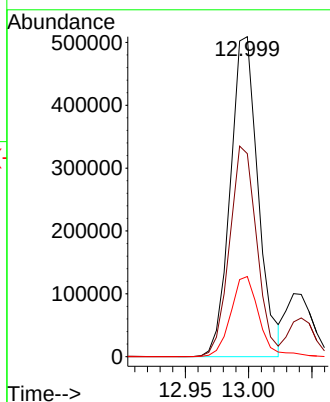
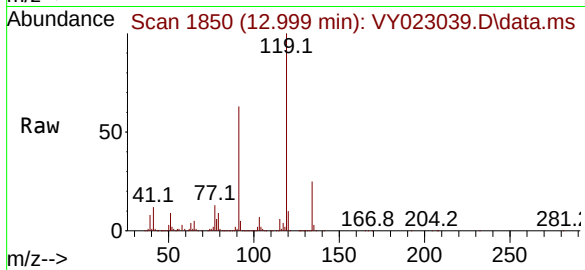




#83
 tert-Butylbenzene
 Concen: 48.613 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.006 min
 Lab File: VY023039.D
 Acq: 22 Jul 2025 11:04

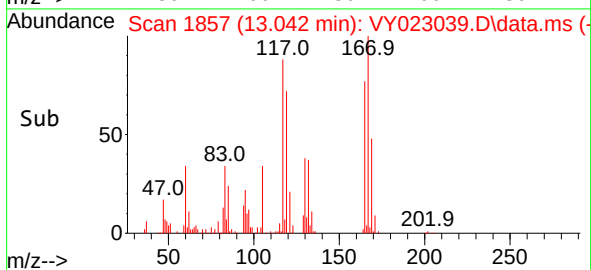
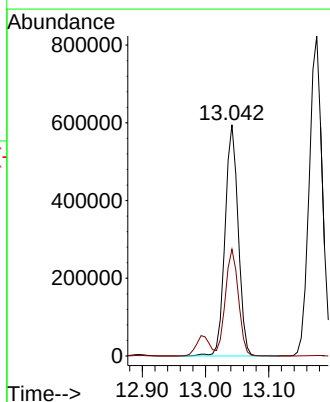
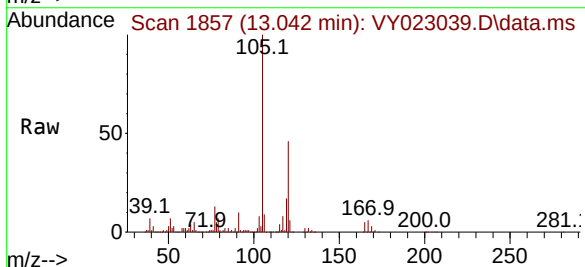
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

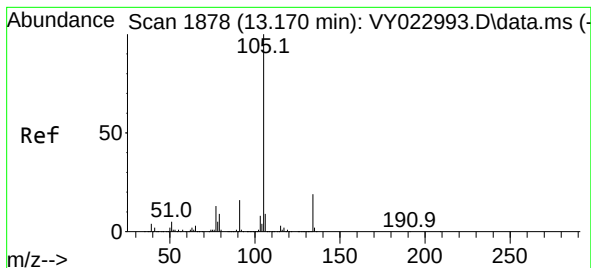
Tgt Ion:119 Resp: 780072
 Ion Ratio Lower Upper
 119 100
 91 64.3 32.0 96.2
 134 25.5 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.992 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.006 min
 Lab File: VY023039.D
 Acq: 22 Jul 2025 11:04

Tgt Ion:105 Resp: 856722
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.8





#85

sec-Butylbenzene

Concen: 48.976 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

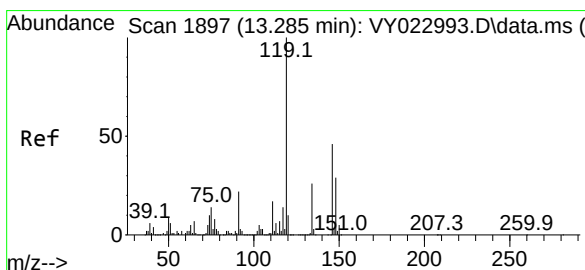
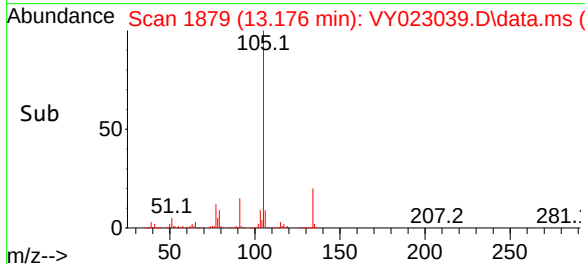
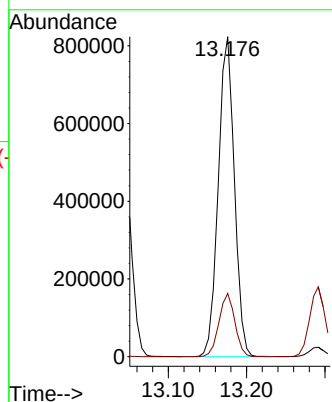
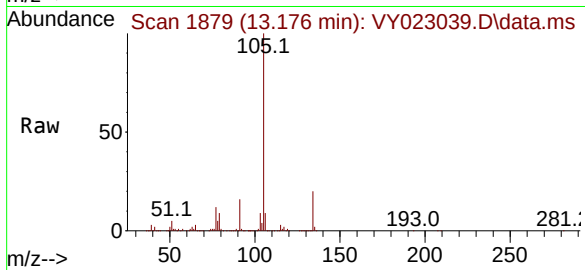
VSTDCCC050

Tgt Ion:105 Resp: 1177733

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5



#86

p-Isopropyltoluene

Concen: 48.654 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

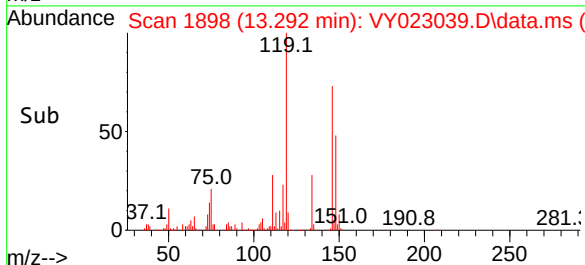
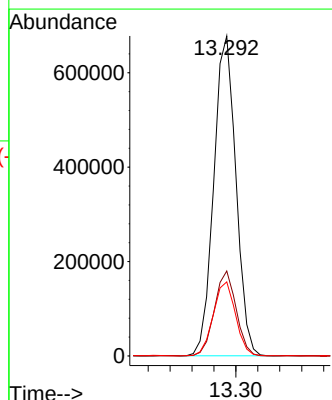
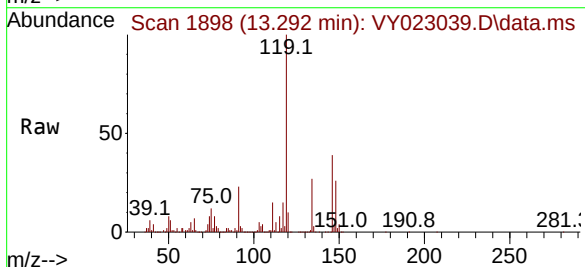
Tgt Ion:119 Resp: 950206

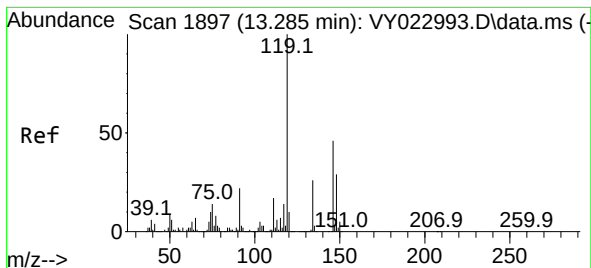
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 23.3 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 47.173 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

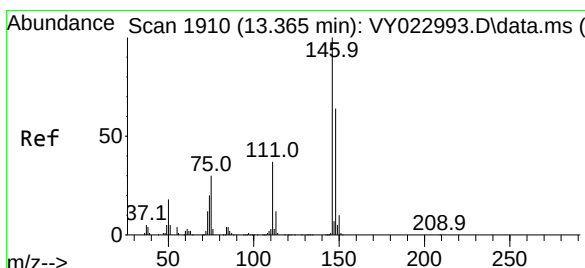
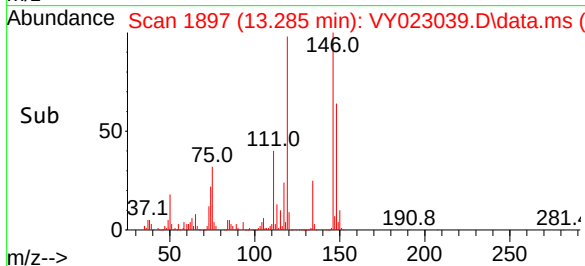
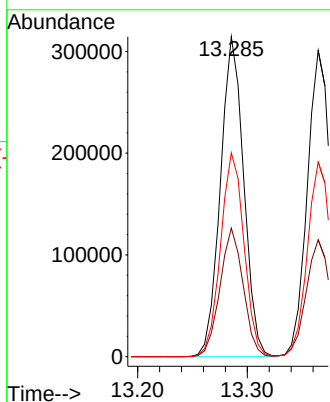
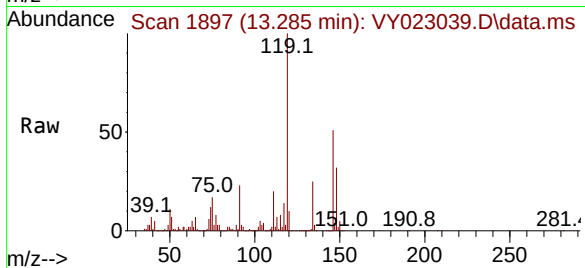
Tgt Ion:146 Resp: 465065

Ion Ratio Lower Upper

146 100

111 39.9 19.8 59.3

148 64.0 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 47.328 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

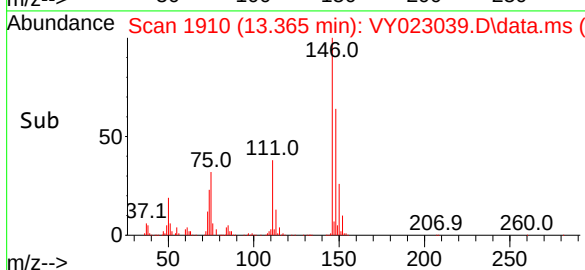
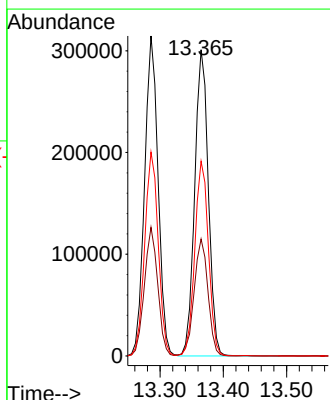
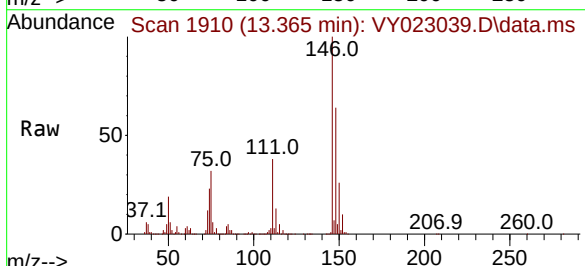
Tgt Ion:146 Resp: 451393

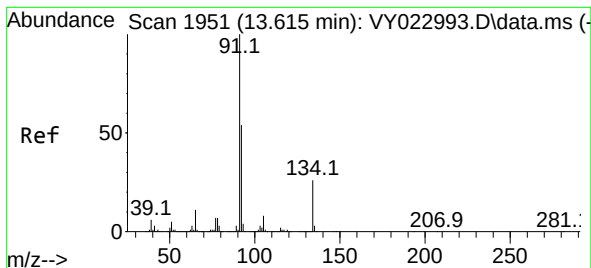
Ion Ratio Lower Upper

146 100

111 38.8 19.2 57.6

148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

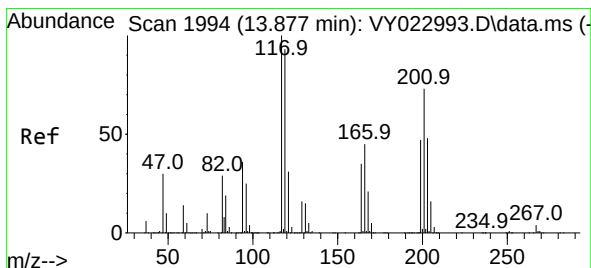
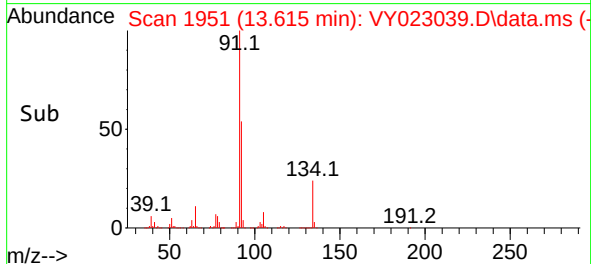
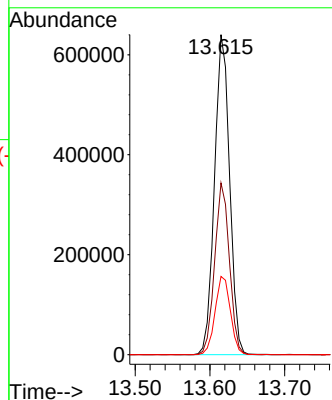
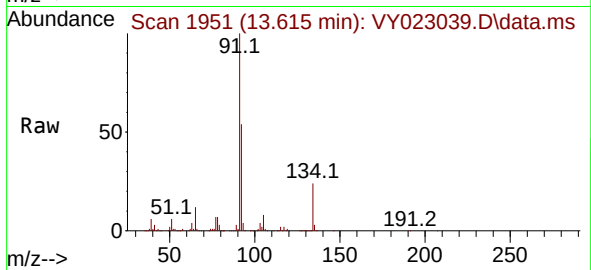
Tgt Ion: 91 Resp: 901082

Ion Ratio Lower Upper

91 100

92 52.4 26.6 79.7

134 24.9 12.6 37.6



#90

Hexachloroethane

Concen: 47.824 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023039.D

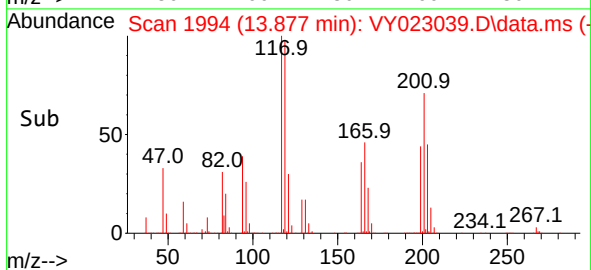
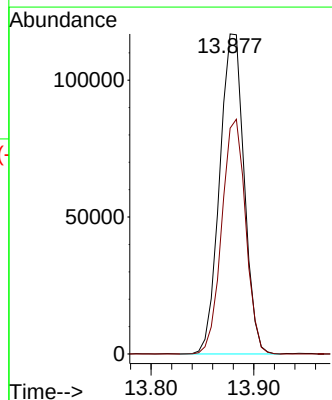
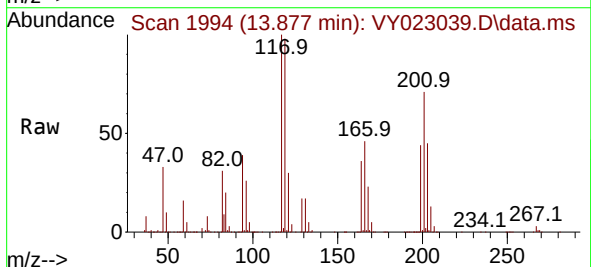
Acq: 22 Jul 2025 11:04

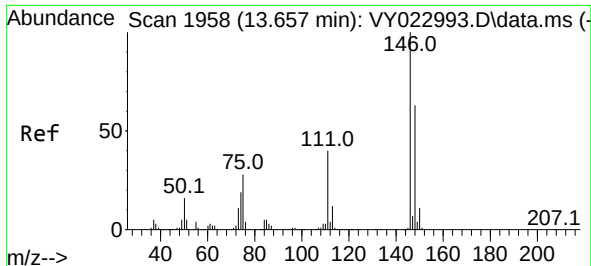
Tgt Ion: 117 Resp: 193375

Ion Ratio Lower Upper

117 100

201 71.5 36.1 108.5





#91

1,2-Dichlorobenzene

Concen: 47.806 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

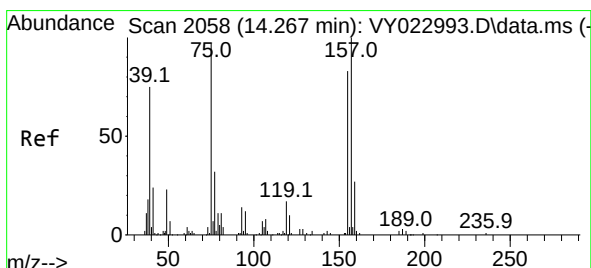
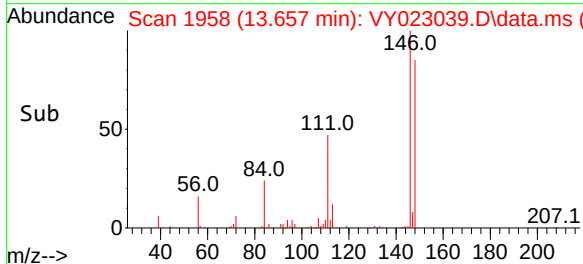
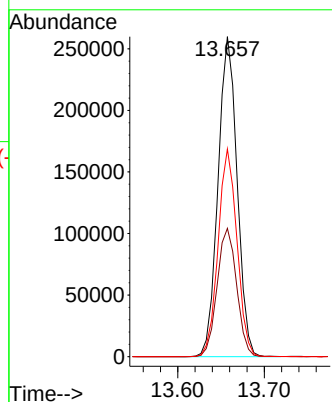
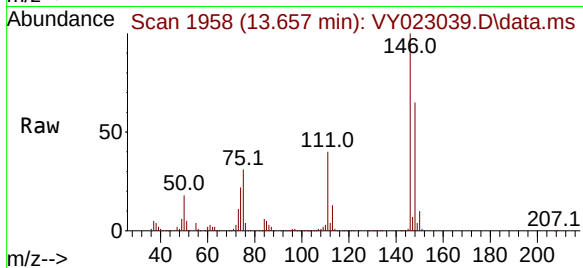
Tgt Ion:146 Resp: 397553

Ion Ratio Lower Upper

146 100

111 41.1 20.3 61.0

148 64.2 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.496 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

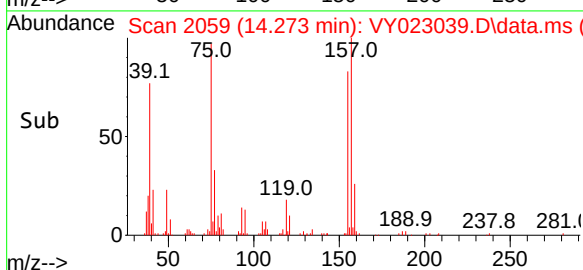
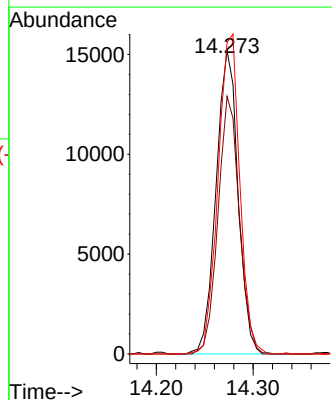
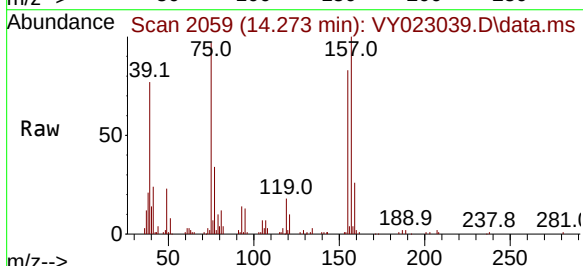
Tgt Ion: 75 Resp: 23955

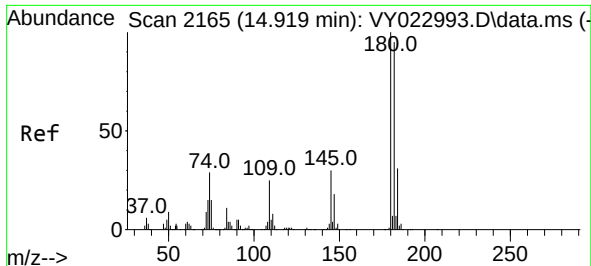
Ion Ratio Lower Upper

75 100

155 82.2 42.8 128.3

157 104.6 54.3 162.9

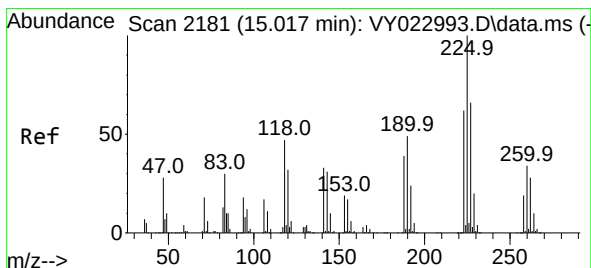
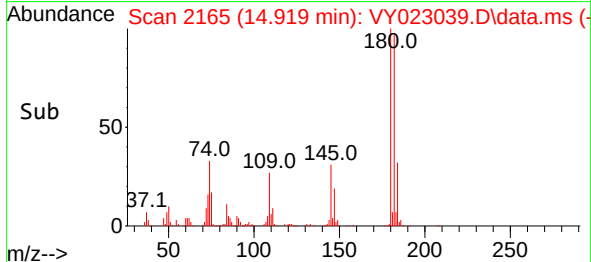
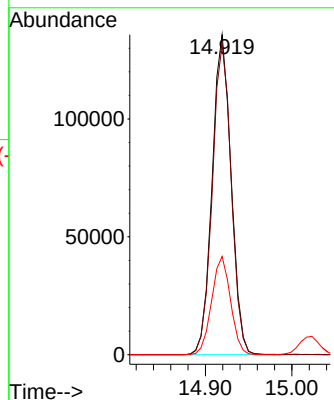
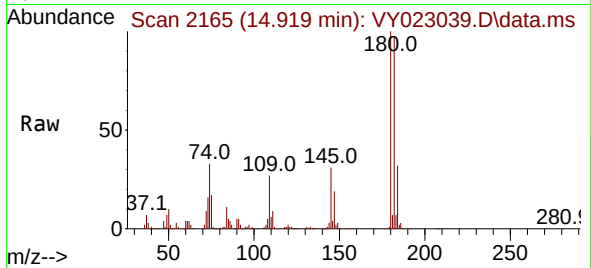




#93
1,2,4-Trichlorobenzene
Concen: 47.112 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

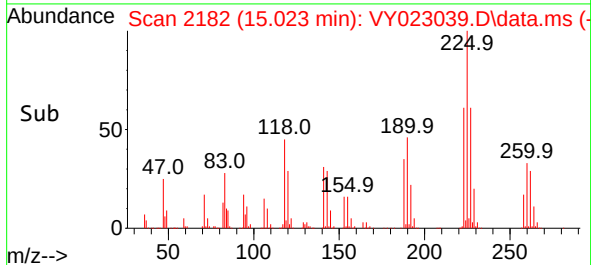
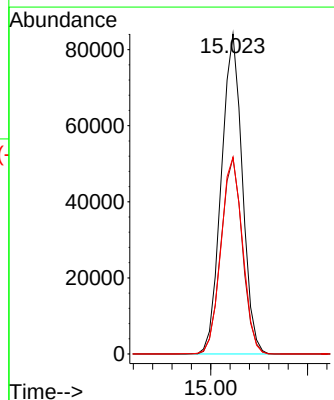
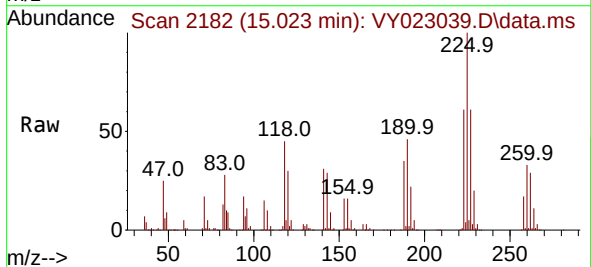
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

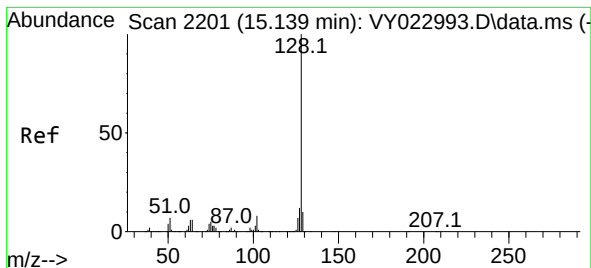
Tgt Ion:180 Resp: 206512
Ion Ratio Lower Upper
180 100
182 96.8 47.5 142.5
145 30.5 14.9 44.9



#94
Hexachlorobutadiene
Concen: 45.716 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023039.D
Acq: 22 Jul 2025 11:04

Tgt Ion:225 Resp: 126337
Ion Ratio Lower Upper
225 100
223 62.6 31.4 94.0
227 63.2 32.1 96.5





#95

Naphthalene

Concen: 49.339 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

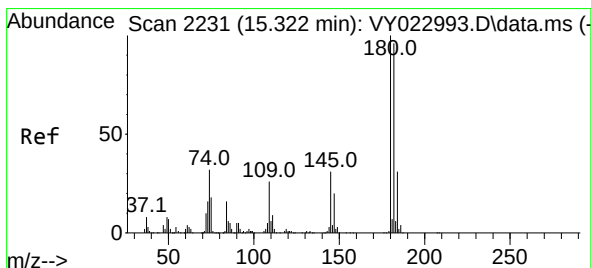
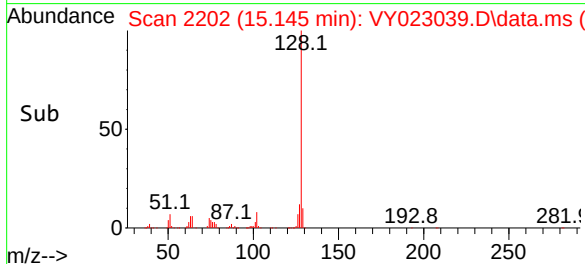
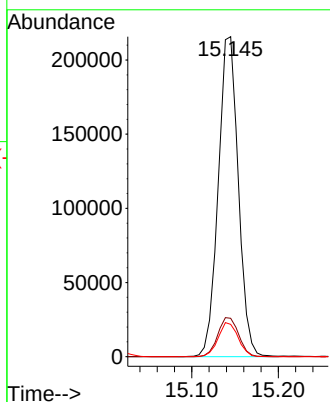
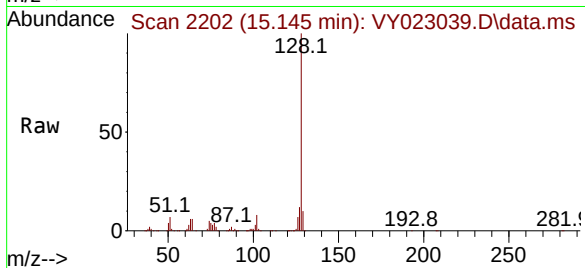
Tgt Ion:128 Resp: 346881

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.6 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 47.839 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023039.D

Acq: 22 Jul 2025 11:04

Tgt Ion:180 Resp: 173145

Ion Ratio Lower Upper

180 100

182 93.8 47.3 142.0

145 31.2 15.8 47.4

