

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032105.D
 Acq On : 14 Aug 2025 19:32
 Operator : SY/MD
 Sample : VSTDC0050EC
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDC0050EC

Quant Time: Aug 18 03:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	191295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	340189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	325940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166040	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146710	53.028	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 106.060%	
35) Dibromofluoromethane	7.904	113	119167	54.222	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 108.440%	
50) Toluene-d8	10.331	98	431442	53.076	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.160%	
62) 4-Bromofluorobenzene	12.617	95	151827	50.684	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 101.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	61255	44.771	ug/l	96
3) Chloromethane	2.259	50	78292	42.481	ug/l	99
4) Vinyl Chloride	2.405	62	95665	42.913	ug/l	93
5) Bromomethane	2.826	94	81791	48.904	ug/l	96
6) Chloroethane	2.972	64	68704	46.574	ug/l	100
7) Trichlorofluoromethane	3.301	101	92479	51.784	ug/l	97
8) Diethyl Ether	3.722	74	75008	51.265	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	103933	49.330	ug/l	98
10) Methyl Iodide	4.313	142	144087	48.234	ug/l	97
11) Tert butyl alcohol	5.228	59	36969	206.356	ug/l	96
12) 1,1-Dichloroethene	4.082	96	113815	49.059	ug/l	97
13) Acrolein	3.929	56	35987	126.071	ug/l	97
14) Allyl chloride	4.703	41	134232	39.755	ug/l #	87
15) Acrylonitrile	5.405	53	159692	229.148	ug/l	99
16) Acetone	4.161	43	148614	232.009	ug/l	97
17) Carbon Disulfide	4.423	76	247936	39.816	ug/l	99
18) Methyl Acetate	4.710	43	107582	53.076	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	192043	46.982	ug/l	94
20) Methylene Chloride	4.953	84	124065	41.890	ug/l	96
21) trans-1,2-Dichloroethene	5.453	96	113537	46.116	ug/l	97
22) Diisopropyl ether	6.343	45	335676	47.159	ug/l	96
23) Vinyl Acetate	6.282	43	1070647	229.096	ug/l	97
24) 1,1-Dichloroethane	6.246	63	208500	45.846	ug/l	99
25) 2-Butanone	7.197	43	213535	234.553	ug/l	96
26) 2,2-Dichloropropane	7.191	77	89156	39.077	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	141078	49.023	ug/l	95
28) Bromochloromethane	7.532	49	105860	51.150	ug/l	98
29) Tetrahydrofuran	7.557	42	143851	239.596	ug/l	100
30) Chloroform	7.691	83	243601	50.525	ug/l	95
31) Cyclohexane	7.971	56	152916	38.784	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	161712	46.176	ug/l	98
36) 1,1-Dichloropropene	8.093	75	148951	48.076	ug/l	99
37) Ethyl Acetate	7.276	43	92875	50.898	ug/l	97
38) Carbon Tetrachloride	8.081	117	152872	51.129	ug/l	96
39) Methylcyclohexane	9.343	83	169525	44.891	ug/l	94
40) Benzene	8.337	78	480231	49.865	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	50217	48.528	ug/l	91
42) 1,2-Dichloroethane	8.410	62	168647	54.726	ug/l	98
43) Isopropyl Acetate	8.434	43	169753	50.564	ug/l	99
44) Trichloroethene	9.105	130	116771	50.915	ug/l	96
45) 1,2-Dichloropropane	9.373	63	115794	49.769	ug/l	97
46) Dibromomethane	9.465	93	79744	53.105	ug/l	96
47) Bromodichloromethane	9.654	83	184629	53.359	ug/l	95
48) Methyl methacrylate	9.440	41	82474	50.886	ug/l #	90
49) 1,4-Dioxane	9.459	88	20213	1041.083	ug/l	93
51) 4-Methyl-2-Pentanone	10.215	43	510331	269.316	ug/l	96
52) Toluene	10.391	92	310694	51.219	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	158355	48.849	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	177874	48.366	ug/l	91
55) 1,1,2-Trichloroethane	10.788	97	104590	52.415	ug/l	96
56) Ethyl methacrylate	10.648	69	138833	51.993	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	176713	50.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	400276	271.010	ug/l	100
59) 2-Hexanone	10.971	43	354969	270.484	ug/l	96
60) Dibromochloromethane	11.129	129	122381	53.691	ug/l	99
61) 1,2-Dibromoethane	11.233	107	102979	53.107	ug/l	99
64) Tetrachloroethene	10.861	164	107005	56.838	ug/l	92
65) Chlorobenzene	11.660	112	348750	49.157	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	118751	53.648	ug/l	96
67) Ethyl Benzene	11.733	91	601685	50.069	ug/l	96
68) m/p-Xylenes	11.836	106	455888	98.314	ug/l	98
69) o-Xylene	12.166	106	216903	50.609	ug/l	96
70) Styrene	12.178	104	392538	51.563	ug/l	98
71) Bromoform	12.355	173	69699	55.047	ug/l #	95
73) Isopropylbenzene	12.464	105	540086	46.544	ug/l	98
74) N-amyl acetate	12.269	43	156756	47.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	130940	47.526	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	155884	69.173	ug/l	59
77) Bromobenzene	12.745	156	132649	47.862	ug/l	94
78) n-propylbenzene	12.800	91	674775	47.233	ug/l	100
79) 2-Chlorotoluene	12.891	91	405968	46.044	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	460118	46.706	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	34614	39.765	ug/l	90
82) 4-Chlorotoluene	12.989	91	431266	46.038	ug/l	98
83) tert-Butylbenzene	13.202	119	401156	49.066	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	475052	47.371	ug/l	99
85) sec-Butylbenzene	13.379	105	568054	45.955	ug/l	99
86) p-Isopropyltoluene	13.495	119	472729	45.874	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	270340	49.021	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	271213	48.665	ug/l	98
89) n-Butylbenzene	13.818	91	466468	46.594	ug/l	99
90) Hexachloroethane	14.086	117	87184	46.262	ug/l	96
91) 1,2-Dichlorobenzene	13.866	146	243969	48.837	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	21865	44.641	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	146018	48.861	ug/l	96
94) Hexachlorobutadiene	15.226	225	67884	50.817	ug/l	92
95) Naphthalene	15.354	128	345629	47.200	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	136101	50.054	ug/l	97

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QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

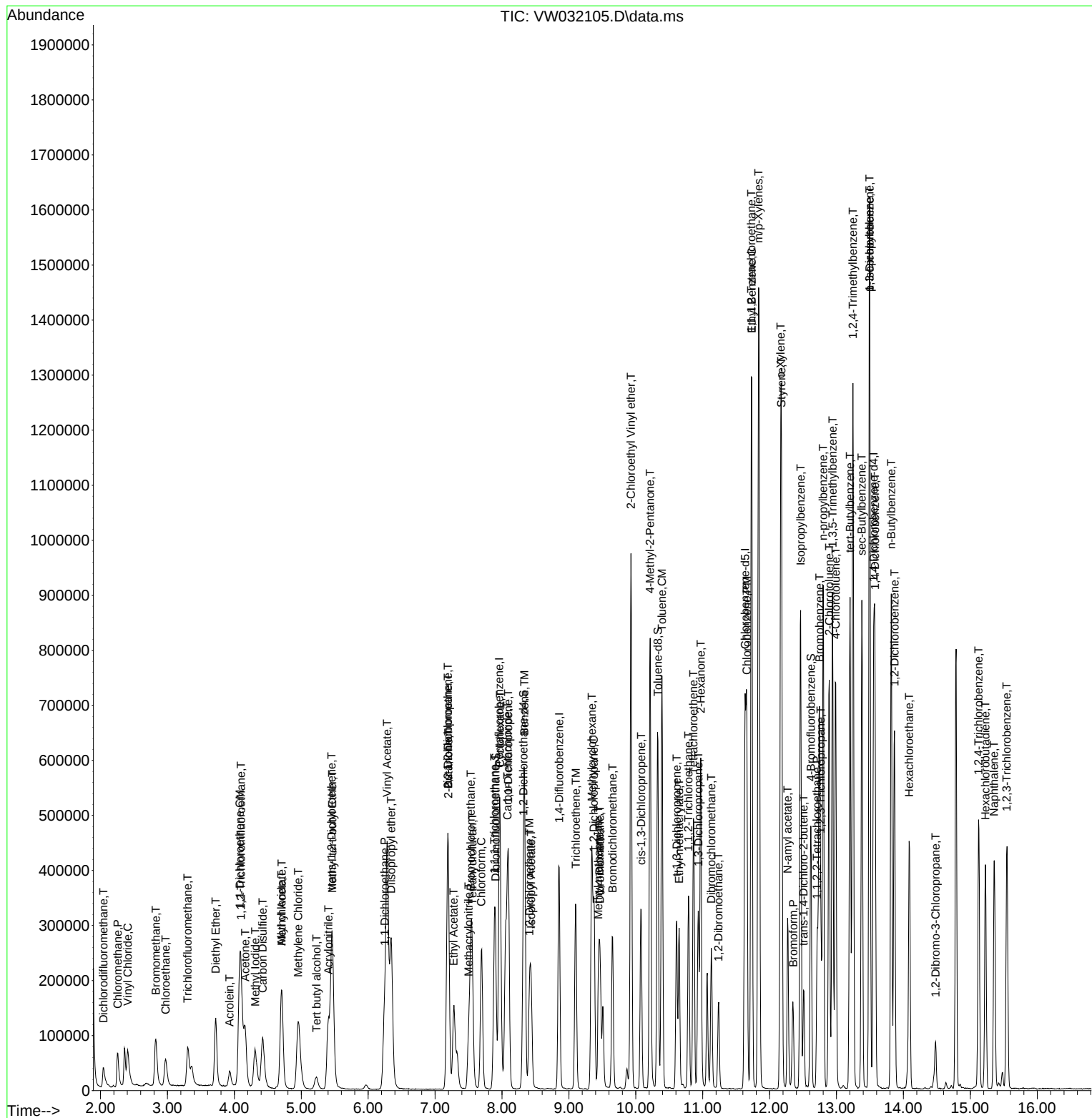
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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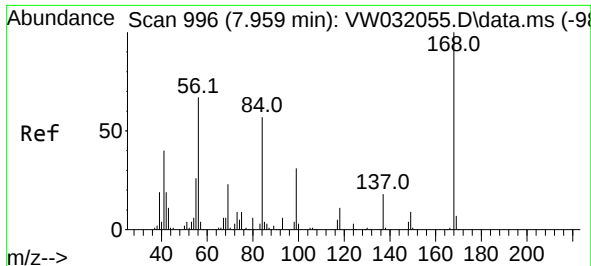
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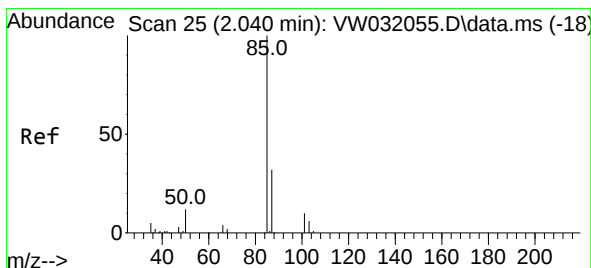
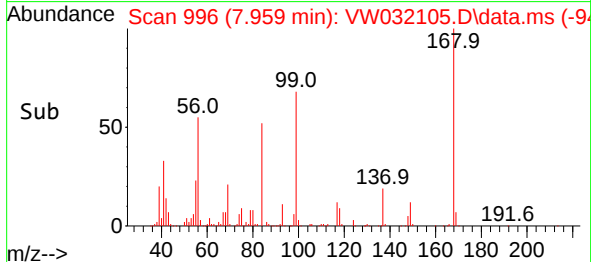
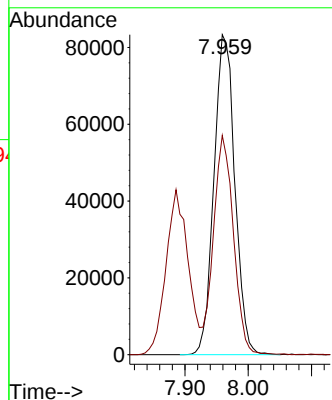
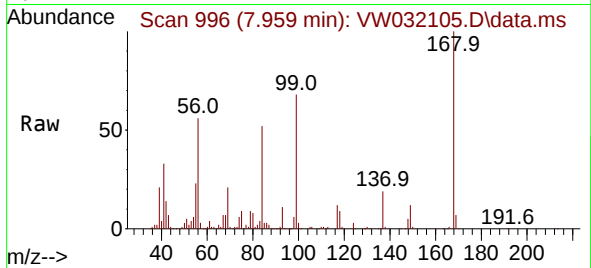




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
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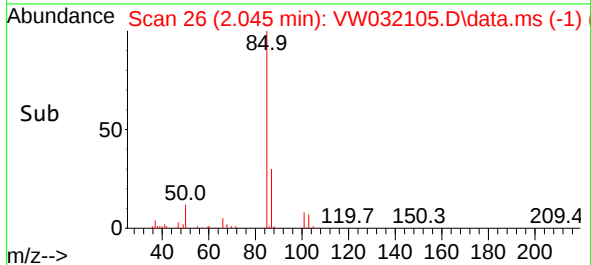
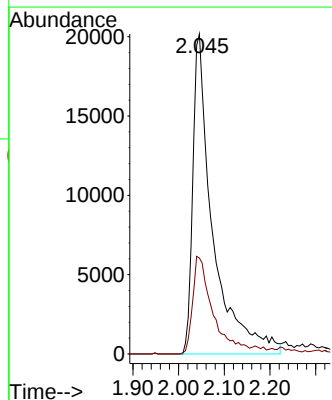
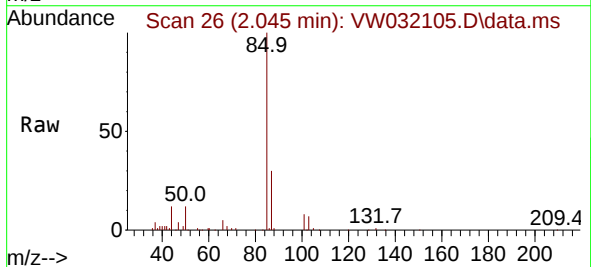
Instrument :
MSVOA_W
ClientSampleId :
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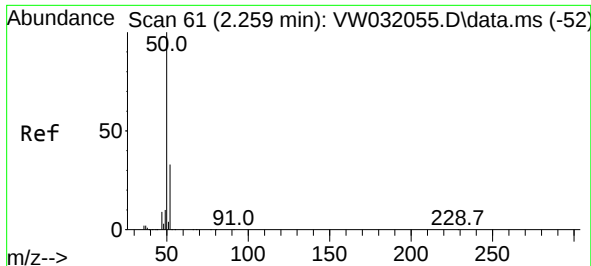
Tgt Ion:168 Resp: 191295
Ion Ratio Lower Upper
168 100
99 68.3 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 44.771 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 85 Resp: 61255
Ion Ratio Lower Upper
85 100
87 29.9 16.2 48.6

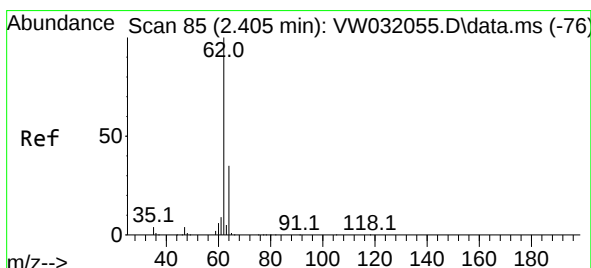
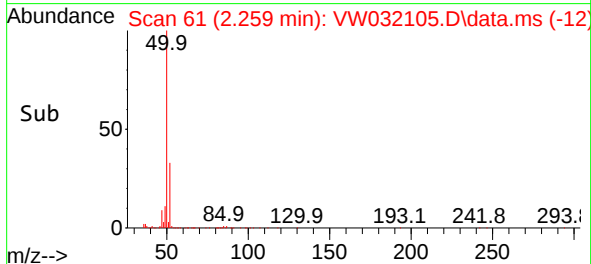
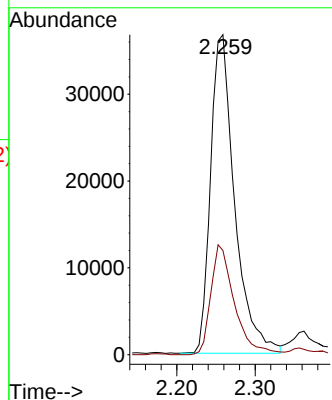
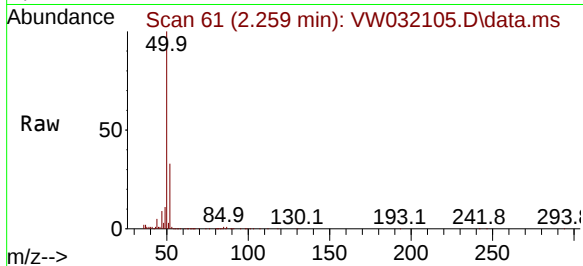




#3
Chloromethane
Concen: 42.481 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

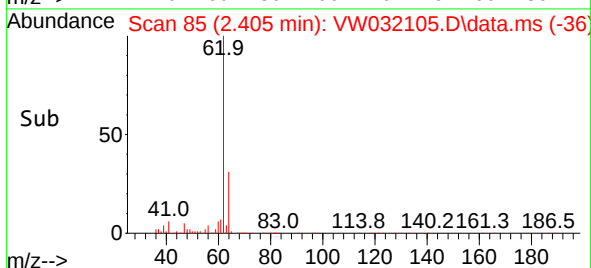
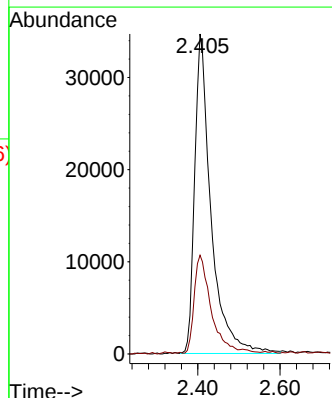
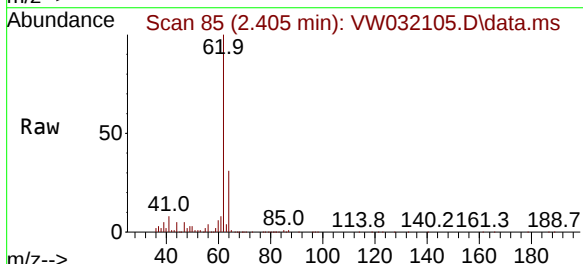
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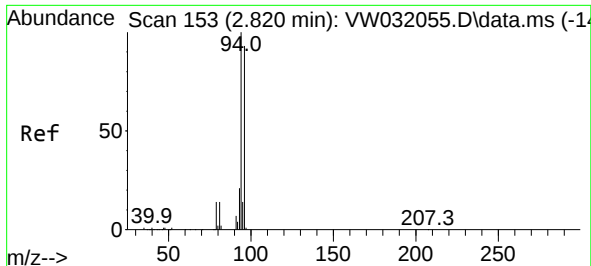
Tgt Ion: 50 Resp: 78292
Ion Ratio Lower Upper
50 100
52 32.7 26.6 39.8



#4
Vinyl Chloride
Concen: 42.913 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 62 Resp: 95665
Ion Ratio Lower Upper
62 100
64 30.6 27.8 41.6

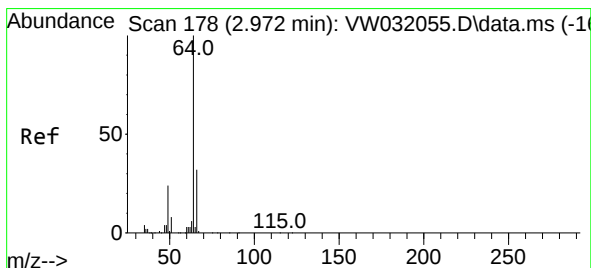
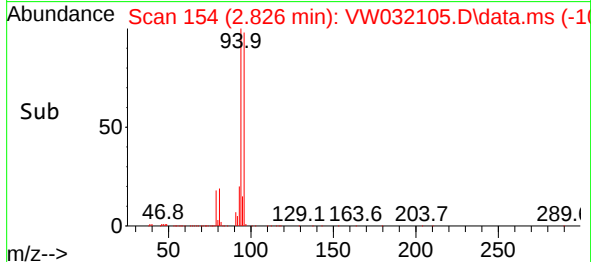
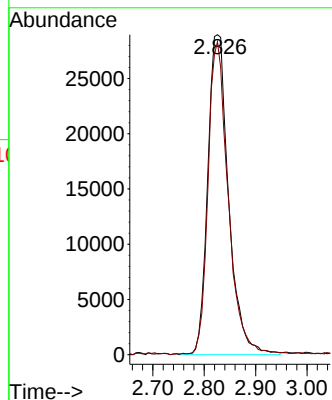
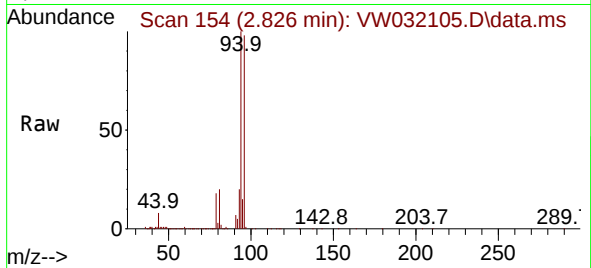




#5
Bromomethane
Concen: 48.904 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.006 min
Lab File: VW032105.D
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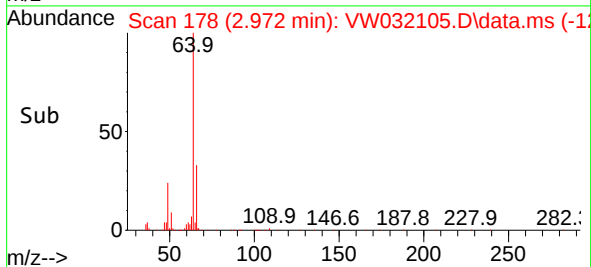
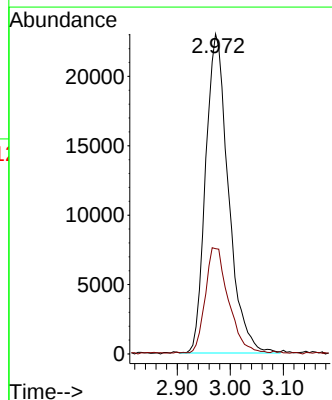
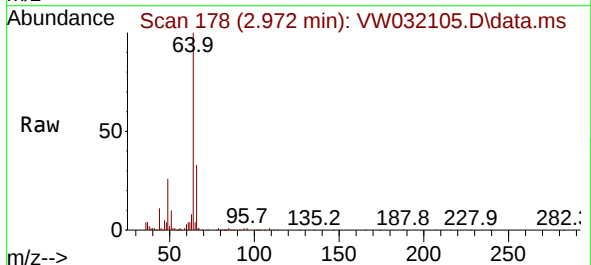
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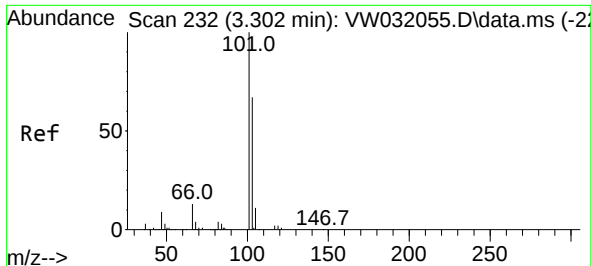
Tgt Ion: 94 Resp: 81791
Ion Ratio Lower Upper
94 100
96 97.6 74.7 112.1



#6
Chloroethane
Concen: 46.574 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032105.D
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Tgt Ion: 64 Resp: 68704
Ion Ratio Lower Upper
64 100
66 32.6 26.0 39.0

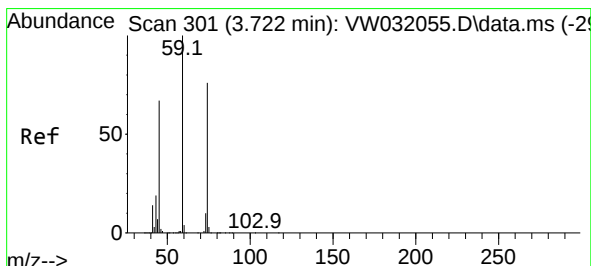
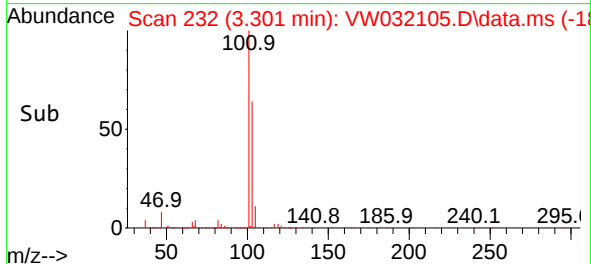
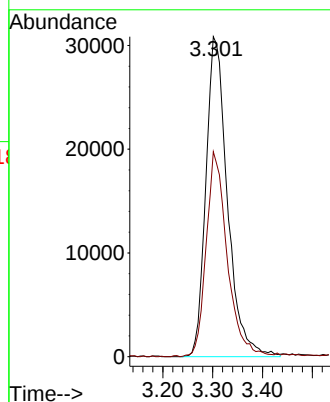
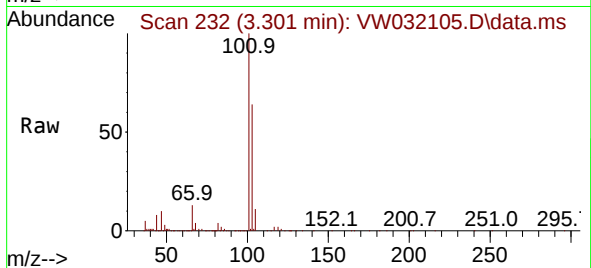




#7
 Trichlorofluoromethane
 Concen: 51.784 ug/l
 RT: 3.301 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

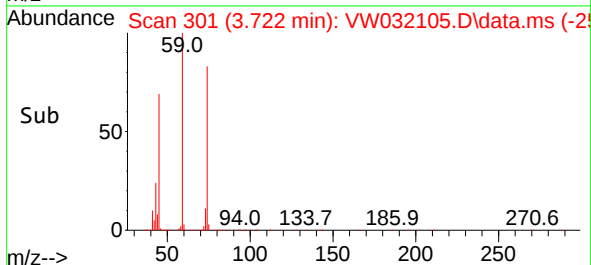
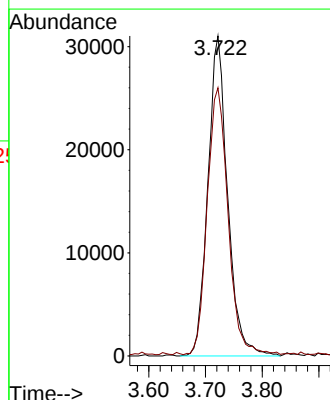
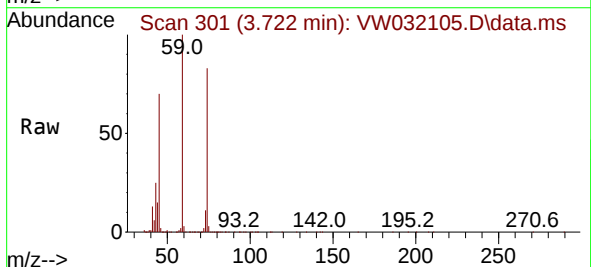
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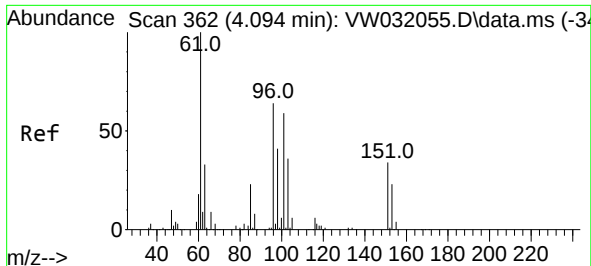
Tgt Ion:101 Resp: 92479
 Ion Ratio Lower Upper
 101 100
 103 64.0 53.4 80.0



#8
 Diethyl Ether
 Concen: 51.265 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. -0.000 min
 Lab File: VW032105.D
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Tgt Ion: 74 Resp: 75008
 Ion Ratio Lower Upper
 74 100
 45 88.0 45.4 136.2

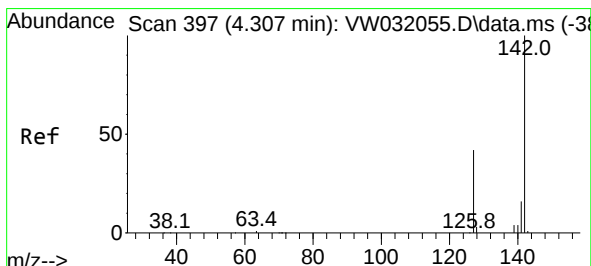
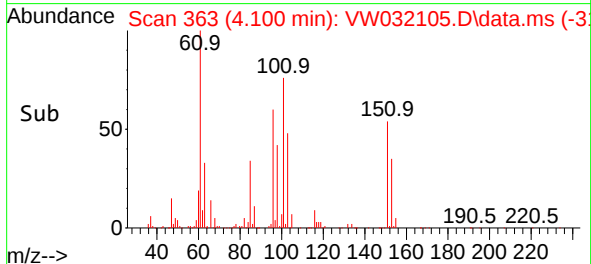
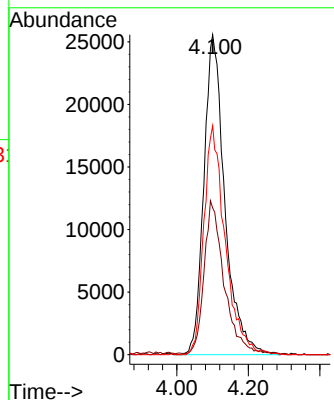
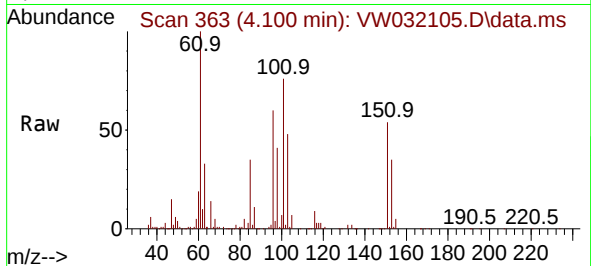




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.330 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

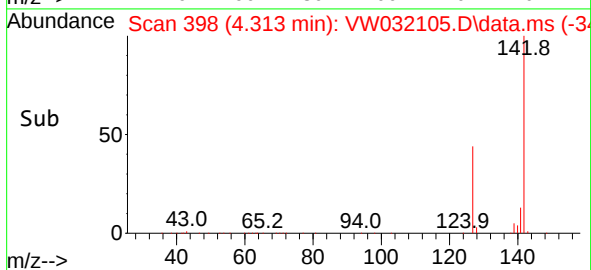
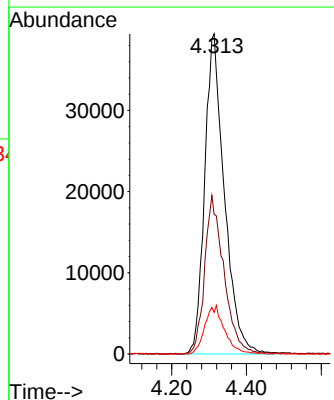
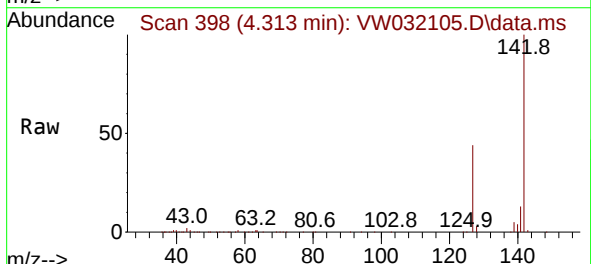
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

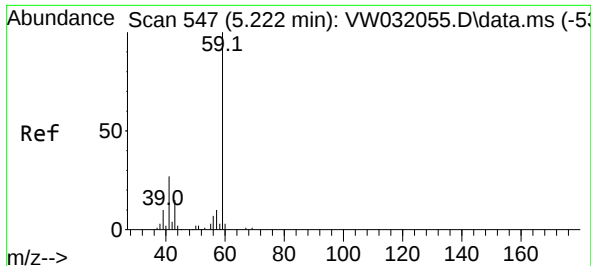
Tgt Ion:101 Resp: 103933
Ion Ratio Lower Upper
101 100
85 45.2 34.9 52.3
151 72.2 56.2 84.4



#10
Methyl Iodide
Concen: 48.234 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:142 Resp: 144087
Ion Ratio Lower Upper
142 100
127 48.3 36.6 55.0
141 15.2 12.1 18.1

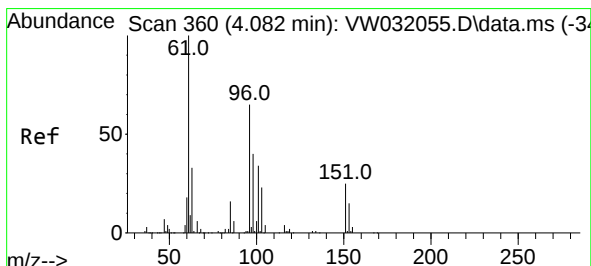
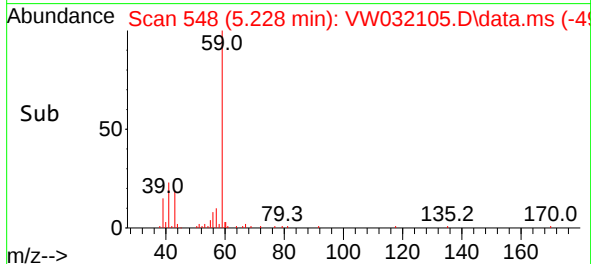
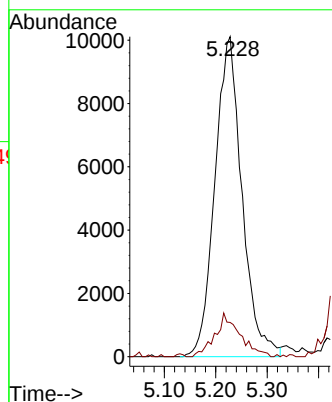
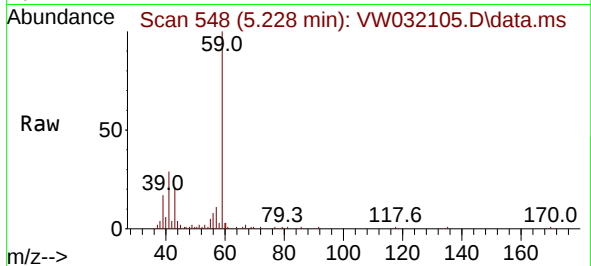




#11
Tert butyl alcohol
Concen: 206.356 ug/l
RT: 5.228 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

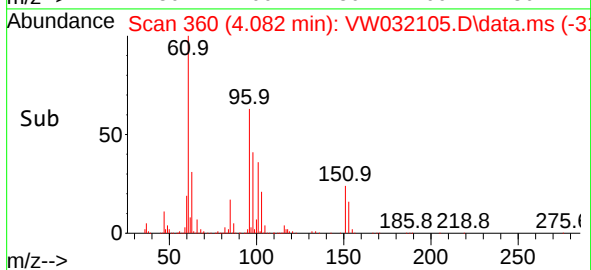
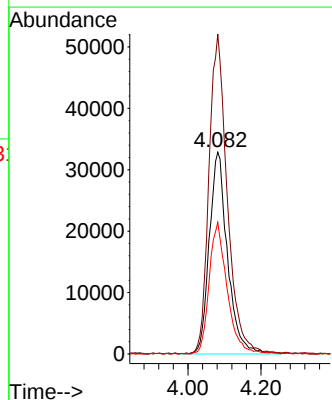
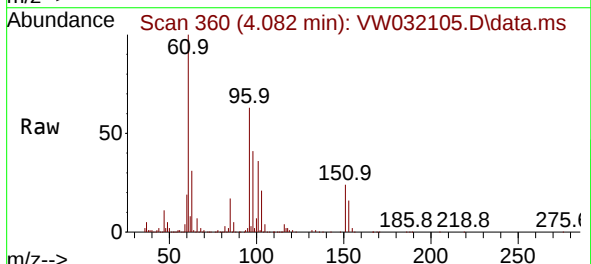
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

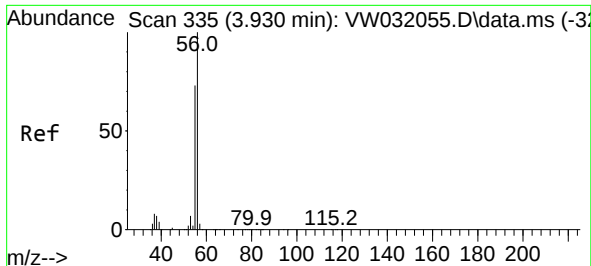
Tgt Ion: 59 Resp: 36969
Ion Ratio Lower Upper
59 100
57 12.5 8.7 13.1



#12
1,1-Dichloroethene
Concen: 49.059 ug/l
RT: 4.082 min Scan# 360
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 96 Resp: 113815
Ion Ratio Lower Upper
96 100
61 158.4 123.4 185.2
98 65.2 49.5 74.3

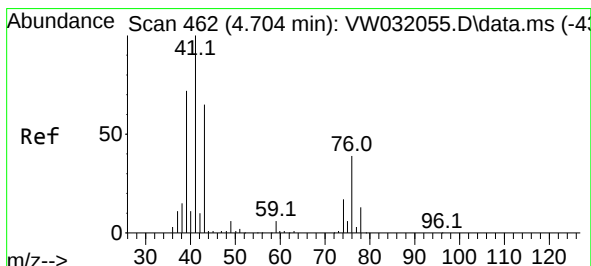
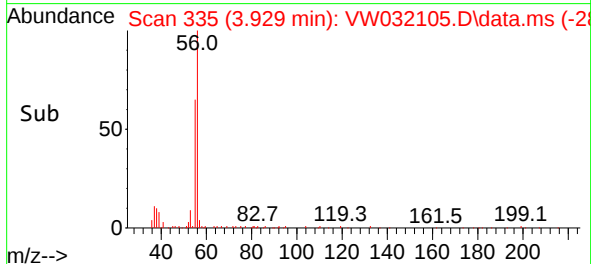
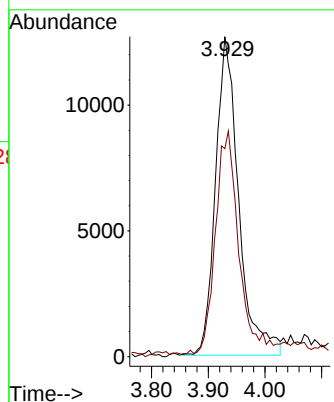
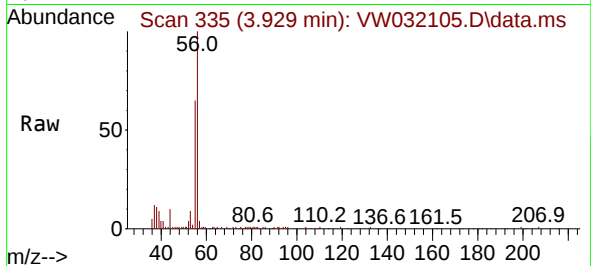




#13
Acrolein
Concen: 126.071 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

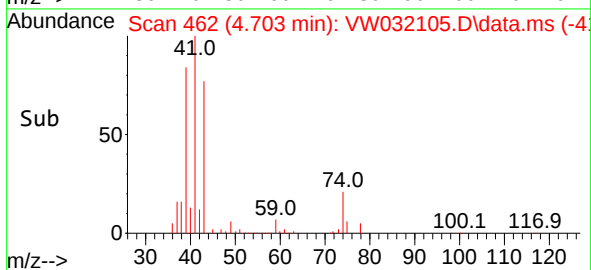
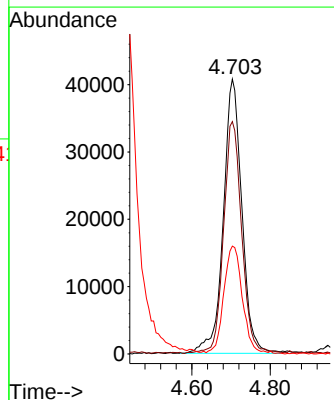
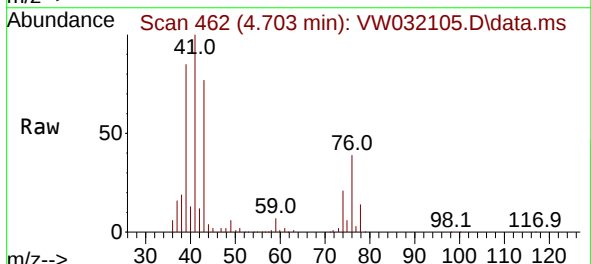
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

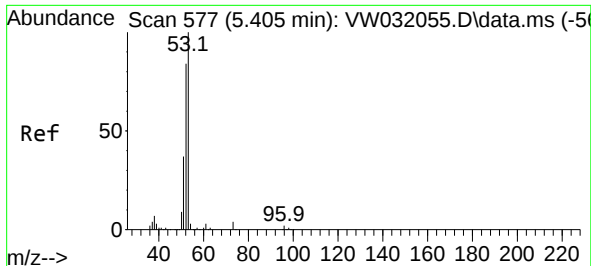
Tgt Ion: 56 Resp: 35987
Ion Ratio Lower Upper
56 100
55 71.4 55.4 83.2



#14
Allyl chloride
Concen: 39.755 ug/l
RT: 4.703 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 41 Resp: 134232
Ion Ratio Lower Upper
41 100
39 82.9 54.5 81.7#
76 38.9 29.3 43.9

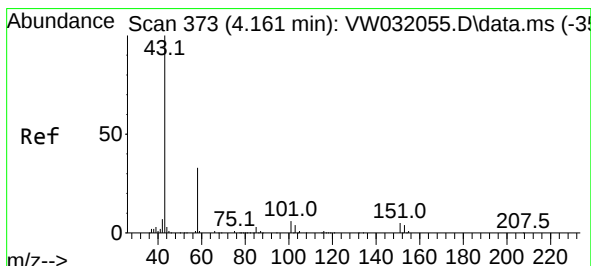
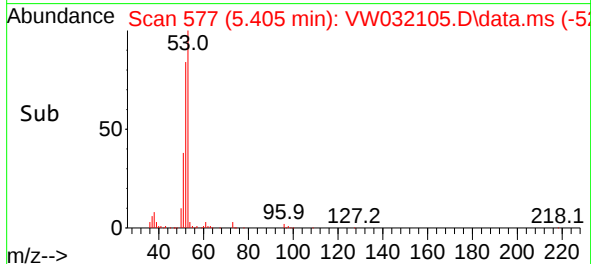
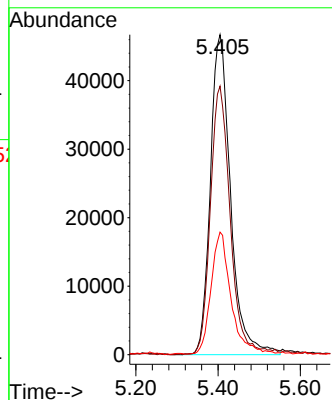
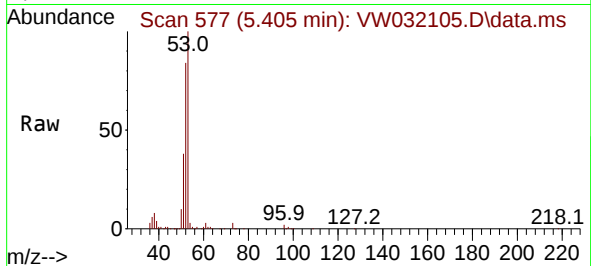




#15
Acrylonitrile
Concen: 229.148 ug/l
RT: 5.405 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

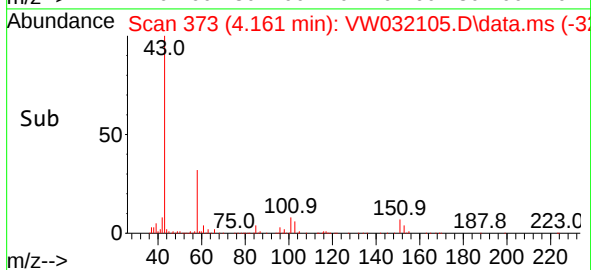
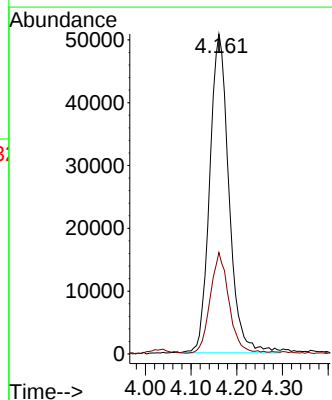
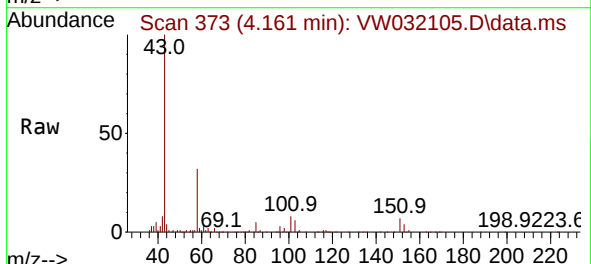
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

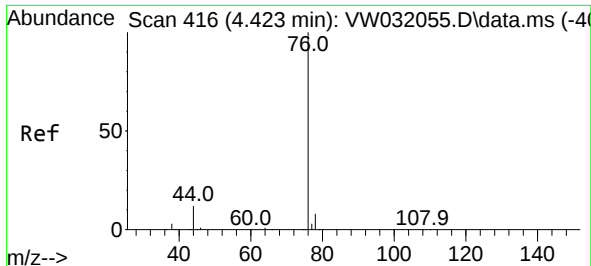
Tgt Ion: 53 Resp: 159692
Ion Ratio Lower Upper
53 100
52 83.6 66.1 99.1
51 37.5 29.2 43.8



#16
Acetone
Concen: 232.009 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 43 Resp: 148614
Ion Ratio Lower Upper
43 100
58 31.4 26.6 39.8

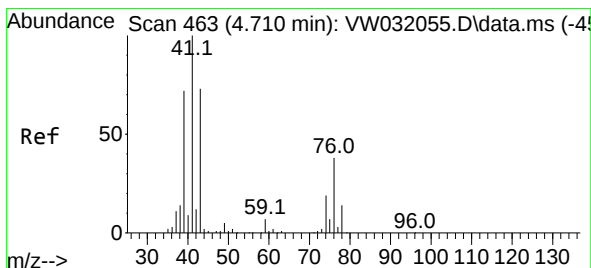
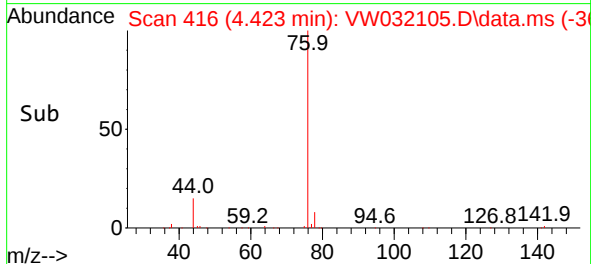
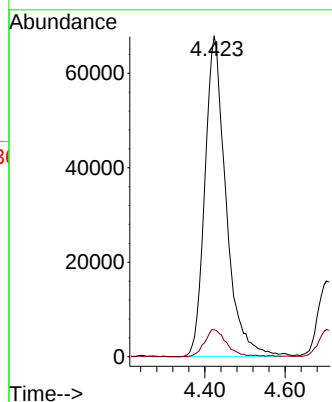
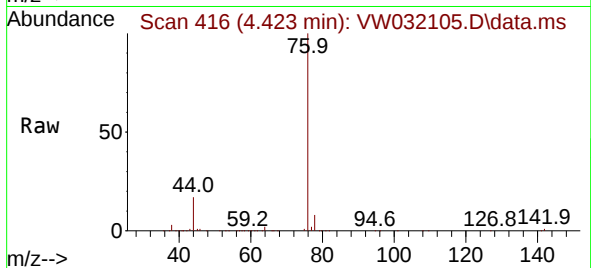




#17
Carbon Disulfide
Concen: 39.816 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

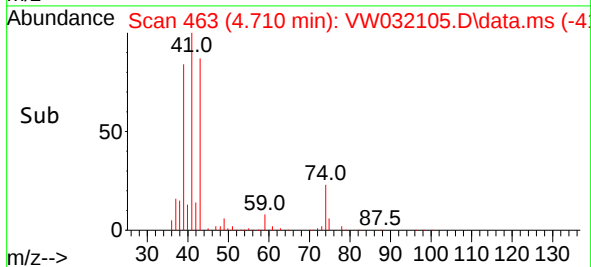
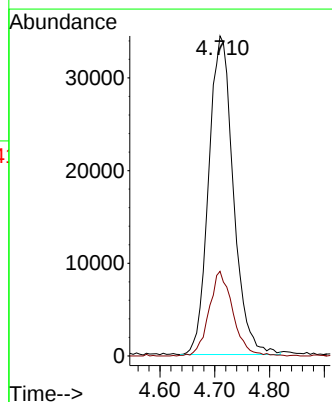
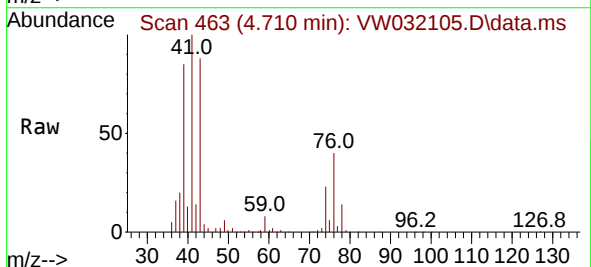
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

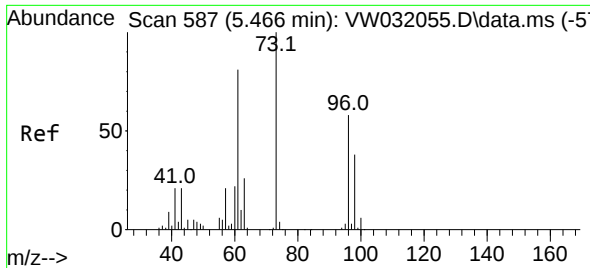
Tgt Ion: 76 Resp: 247936
Ion Ratio Lower Upper
76 100
78 8.4 6.4 9.6



#18
Methyl Acetate
Concen: 53.076 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 43 Resp: 107582
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0

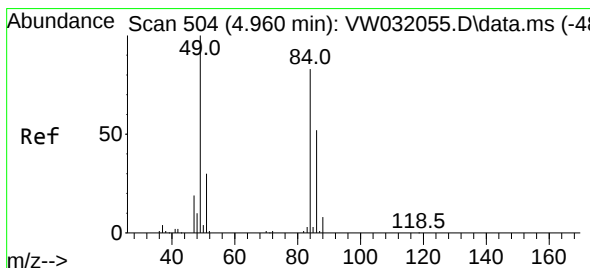
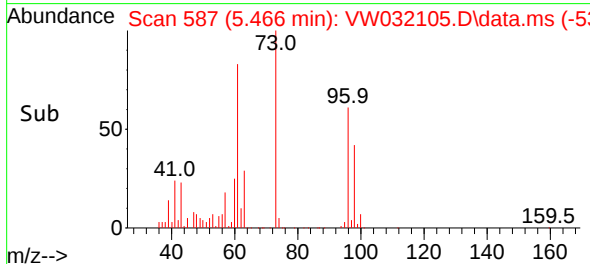
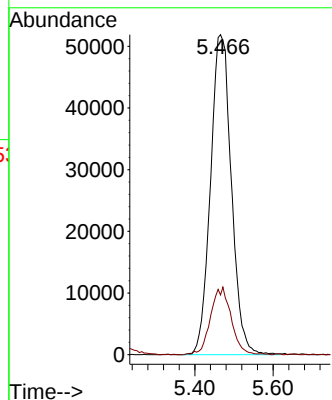
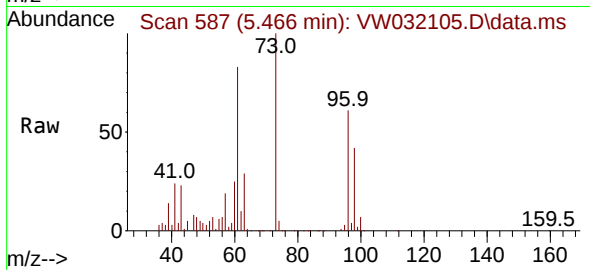




#19
Methyl tert-butyl Ether
Concen: 46.982 ug/l
RT: 5.466 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

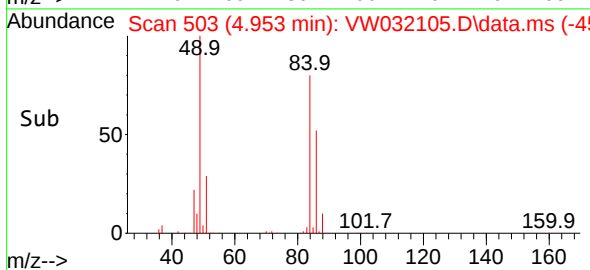
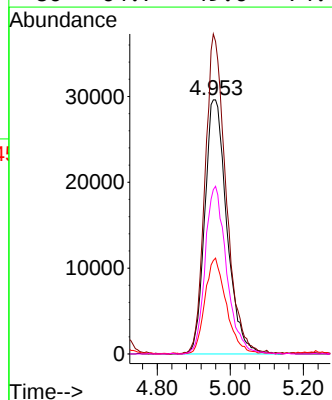
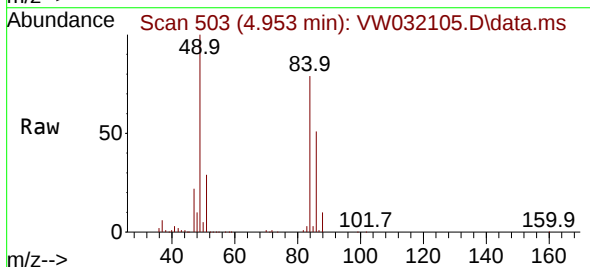
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

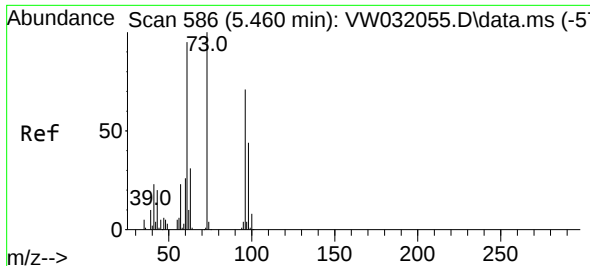
Tgt Ion: 73 Resp: 192043
Ion Ratio Lower Upper
73 100
57 18.6 17.2 25.8



#20
Methylene Chloride
Concen: 41.890 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 84 Resp: 124065
Ion Ratio Lower Upper
84 100
49 125.7 95.9 143.9
51 36.7 28.6 43.0
86 64.7 49.6 74.4

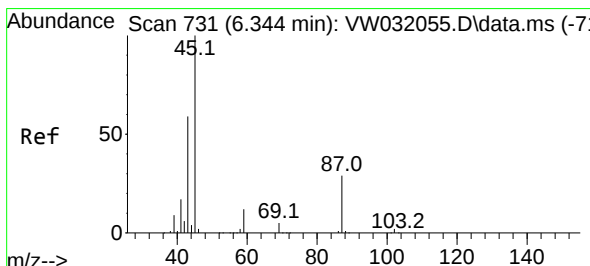
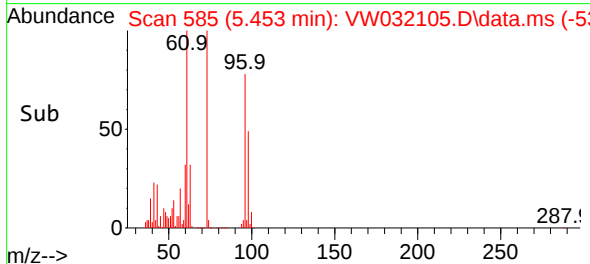
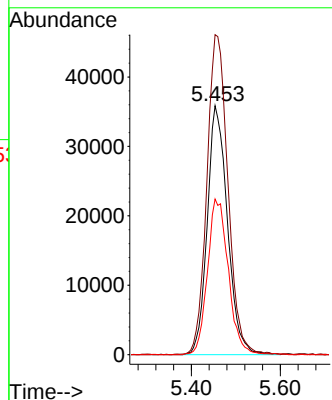
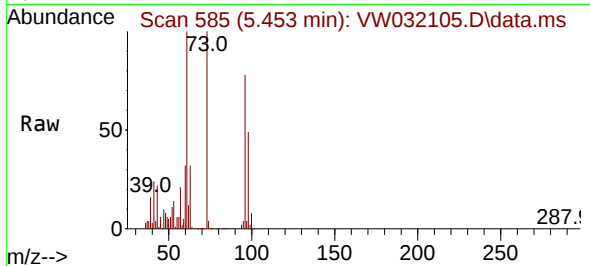




#21
trans-1,2-Dichloroethene
Concen: 46.116 ug/l
RT: 5.453 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

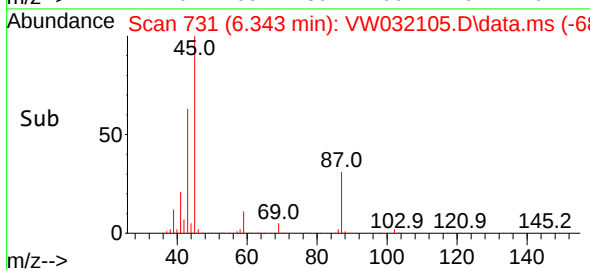
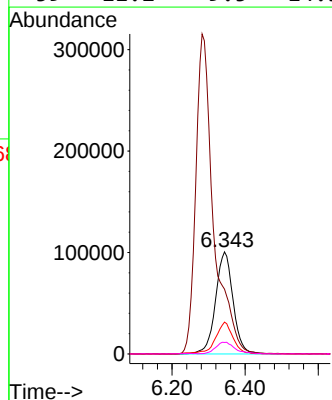
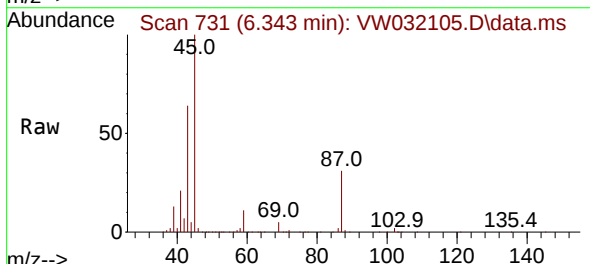
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

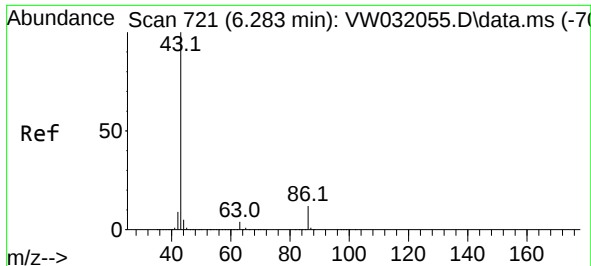
Tgt Ion: 96 Resp: 113537
Ion Ratio Lower Upper
96 100
61 128.3 106.8 160.2
98 62.5 49.6 74.4



#22
Diisopropyl ether
Concen: 47.159 ug/l
RT: 6.343 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 45 Resp: 335676
Ion Ratio Lower Upper
45 100
43 63.2 47.0 70.4
87 31.1 23.8 35.8
59 11.2 9.5 14.3

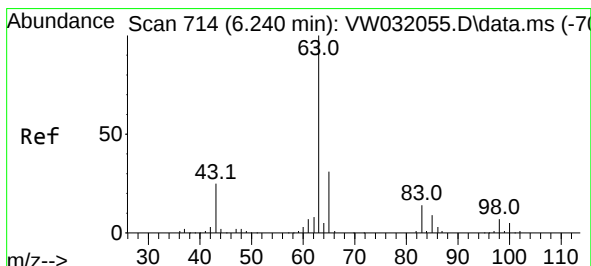
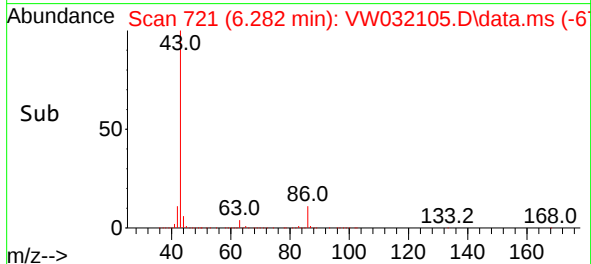
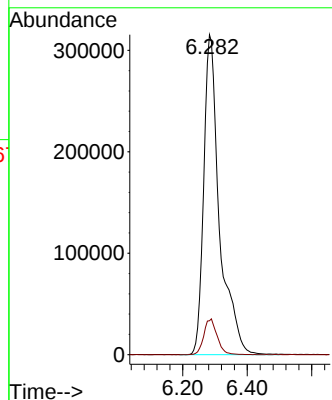
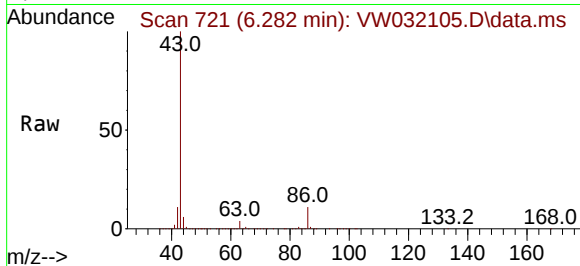




#23
 Vinyl Acetate
 Concen: 229.096 ug/l
 RT: 6.282 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

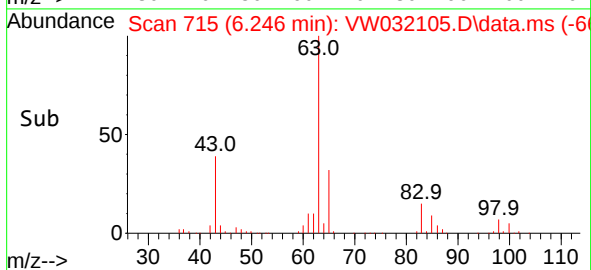
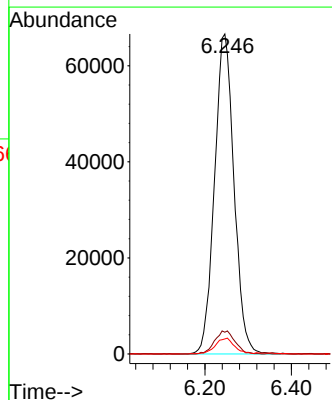
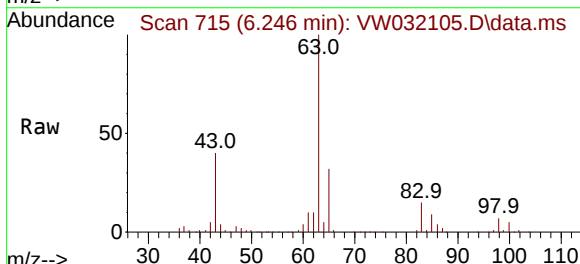
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

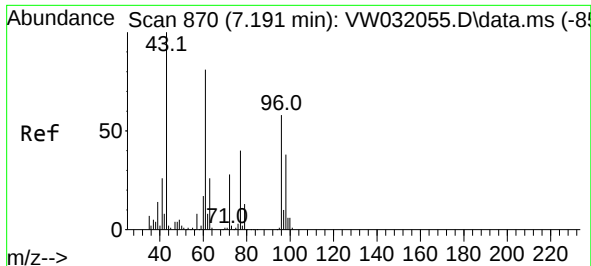
Tgt Ion: 43 Resp: 1070647
 Ion Ratio Lower Upper
 43 100
 86 10.6 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 45.846 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion: 63 Resp: 208500
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.7 11.1
 100 4.7 2.5 7.4

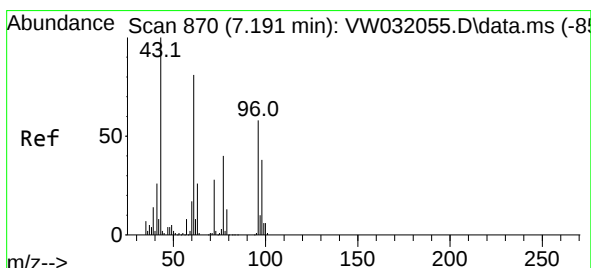
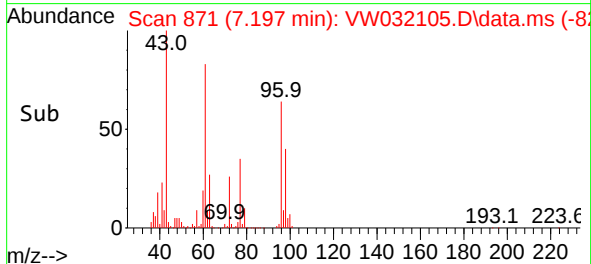
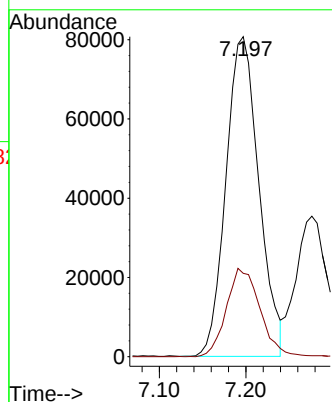
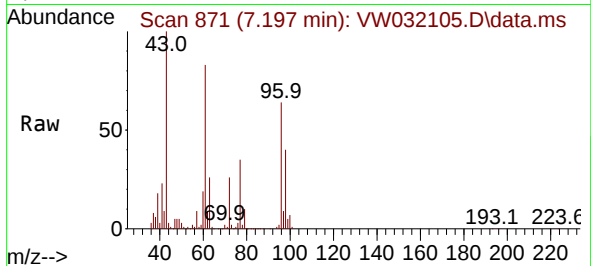




#25
2-Butanone
Concen: 234.553 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

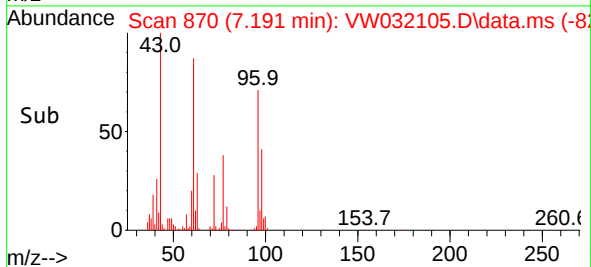
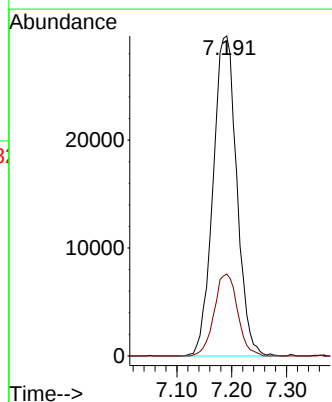
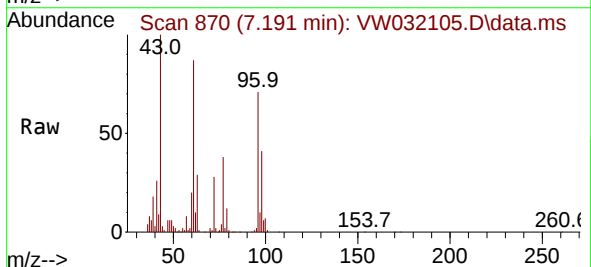
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

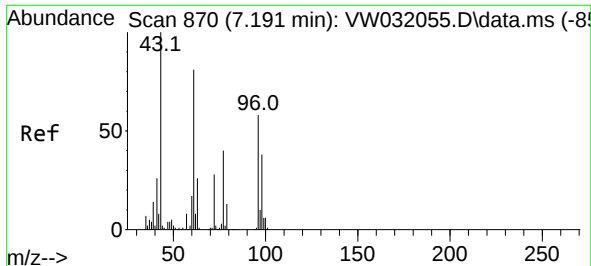
Tgt Ion: 43 Resp: 213535
Ion Ratio Lower Upper
43 100
72 26.0 22.3 33.5



#26
2,2-Dichloropropane
Concen: 39.077 ug/l
RT: 7.191 min Scan# 870
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 77 Resp: 89156
Ion Ratio Lower Upper
77 100
97 25.3 12.3 36.9



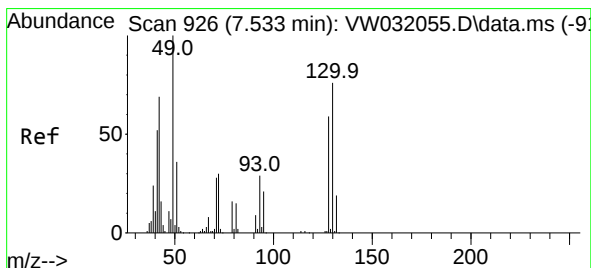
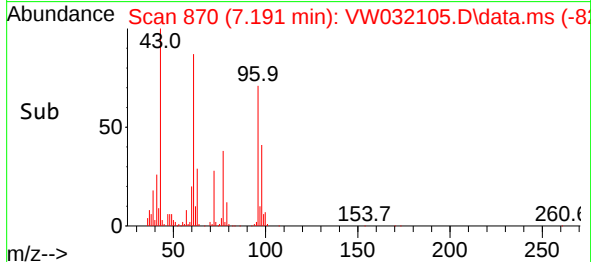
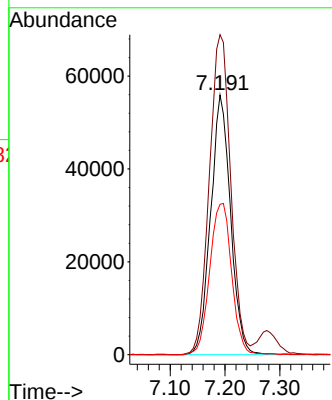
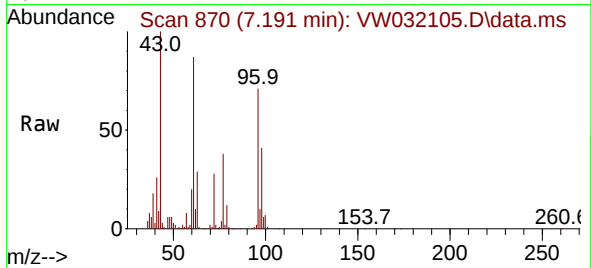


#27
 cis-1,2-Dichloroethene
 Concen: 49.023 ug/l
 RT: 7.191 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 141078

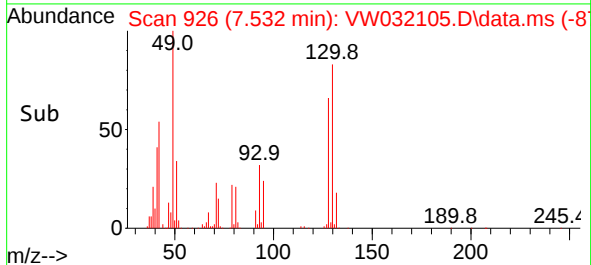
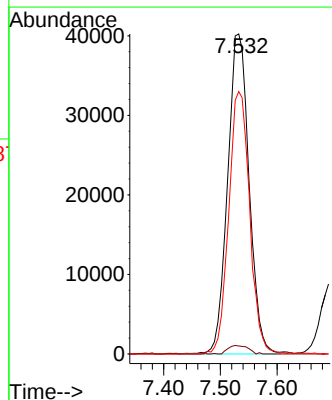
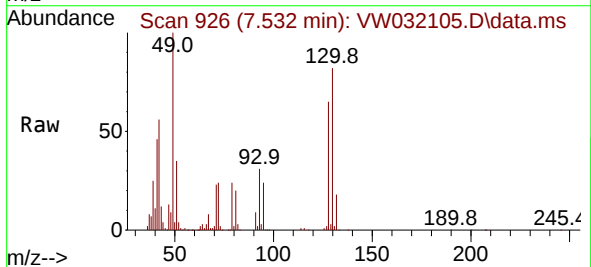
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	281.2
98	63.9	0.0	130.8

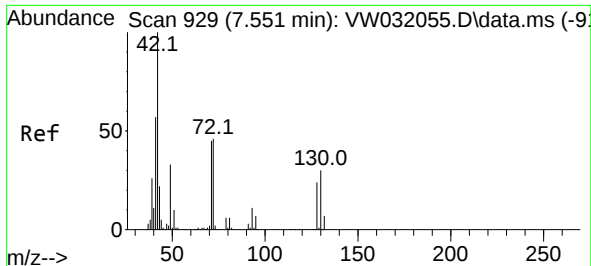


#28
 Bromochloromethane
 Concen: 51.150 ug/l
 RT: 7.532 min Scan# 926
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion: 49 Resp: 105860

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	79.6	61.9	92.9





#29

Tetrahydrofuran

Concen: 239.596 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

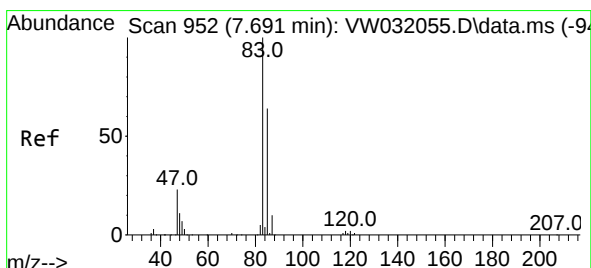
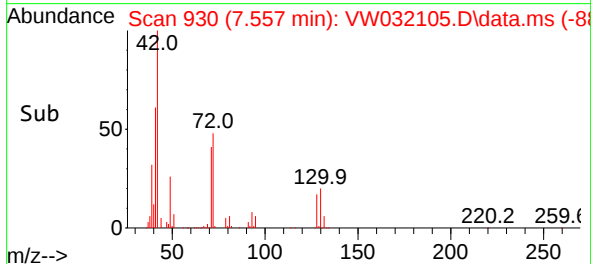
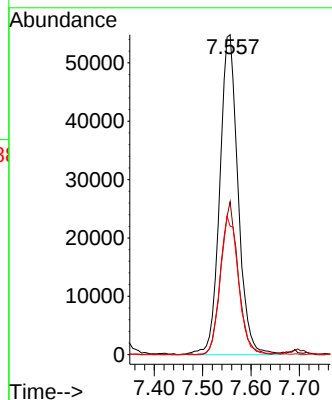
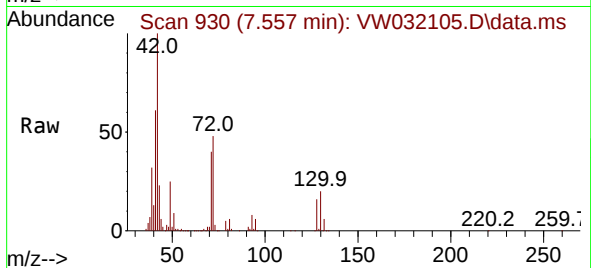
Tgt Ion: 42 Resp: 143851

Ion Ratio Lower Upper

42 100

72 45.4 36.6 55.0

71 43.5 34.7 52.1



#30

Chloroform

Concen: 50.525 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032105.D

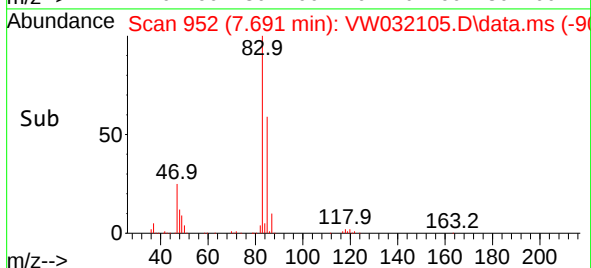
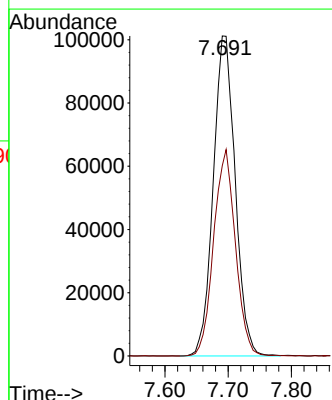
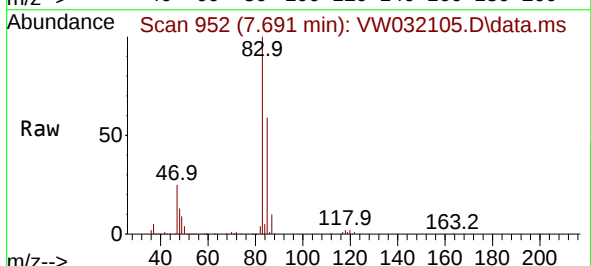
Acq: 14 Aug 2025 19:32

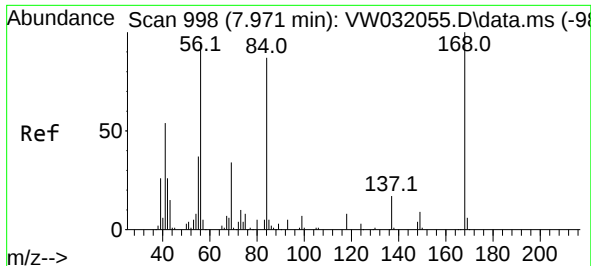
Tgt Ion: 83 Resp: 243601

Ion Ratio Lower Upper

83 100

85 59.4 51.0 76.4

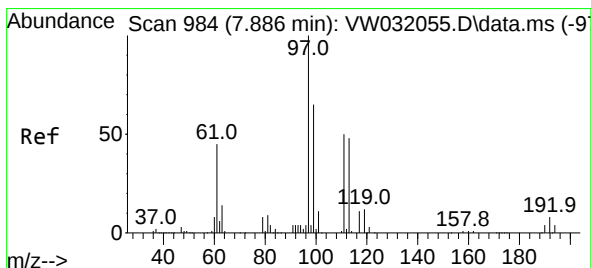
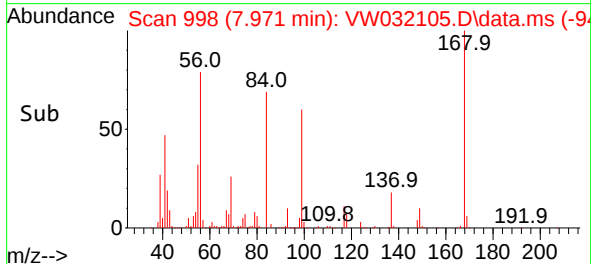
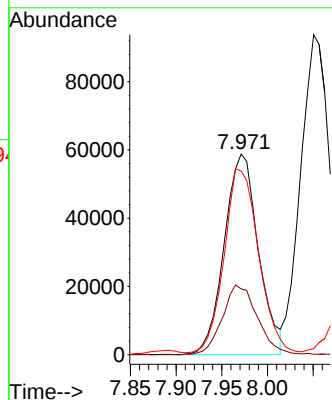
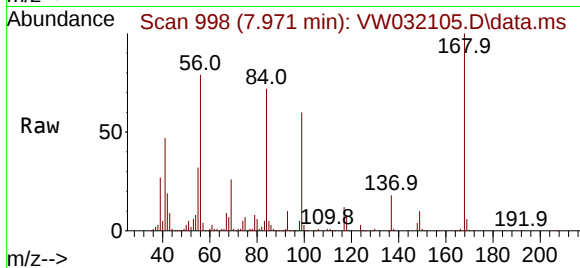




#31
Cyclohexane
Concen: 38.784 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

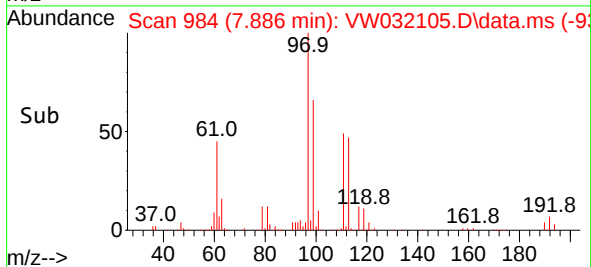
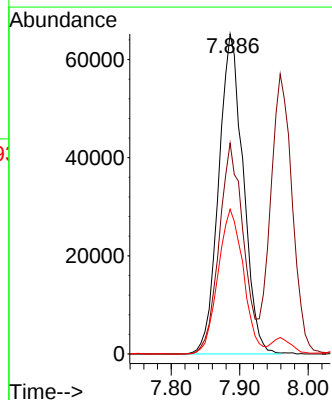
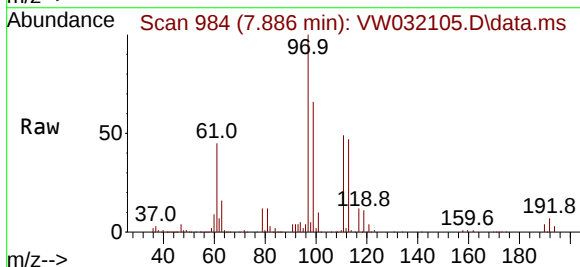
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

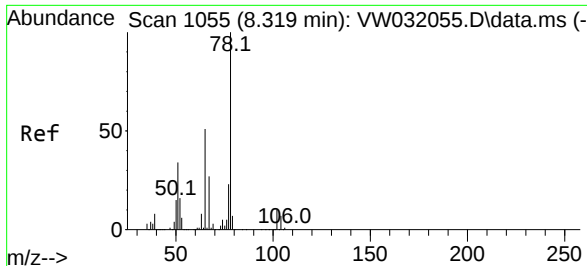
Tgt Ion: 56 Resp: 152916
Ion Ratio Lower Upper
56 100
69 32.8 28.6 42.8
84 90.3 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 46.176 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 97 Resp: 161712
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.8
61 46.8 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 53.028 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

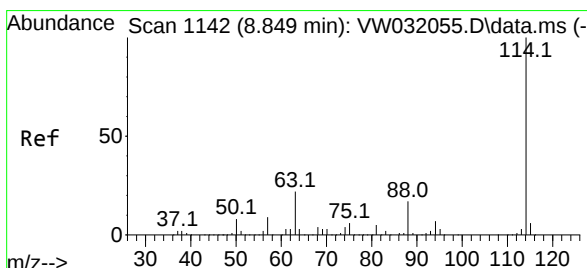
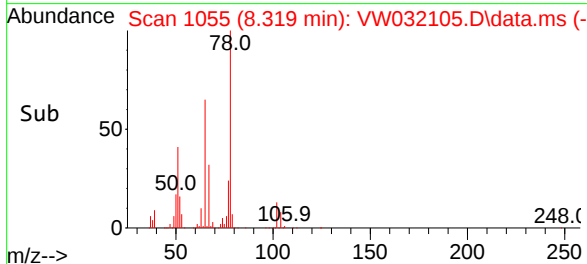
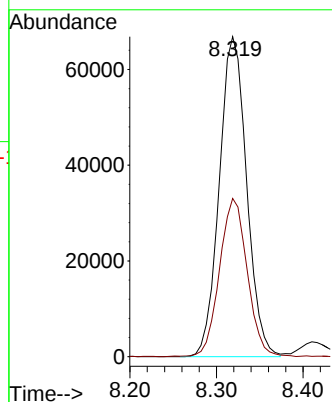
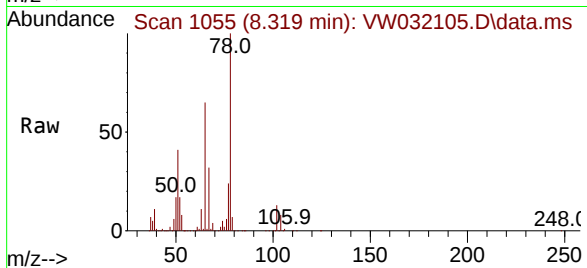
VSTDCCC050EC

Tgt Ion: 65 Resp: 146710

Ion Ratio Lower Upper

65 100

67 50.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

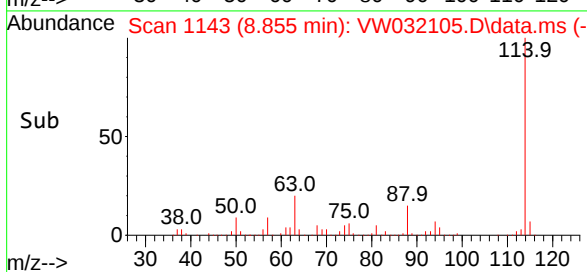
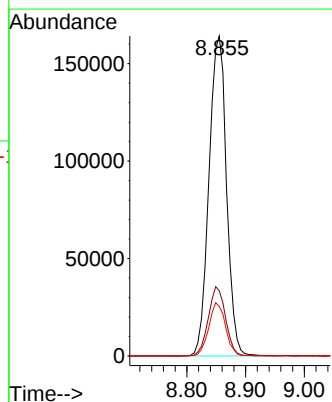
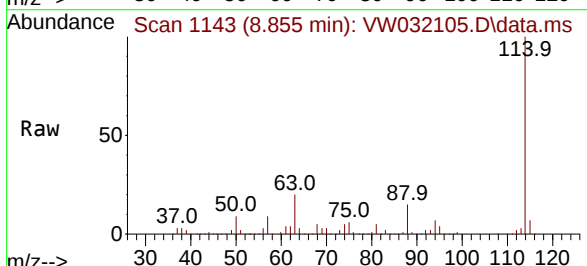
Tgt Ion: 114 Resp: 340189

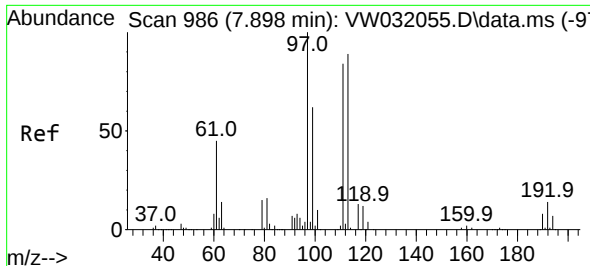
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.0

88 15.5 0.0 33.8

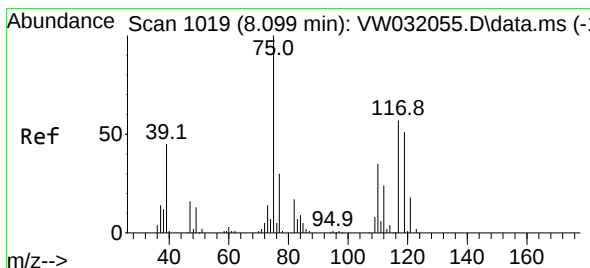
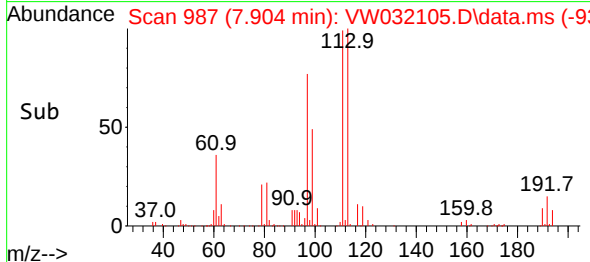
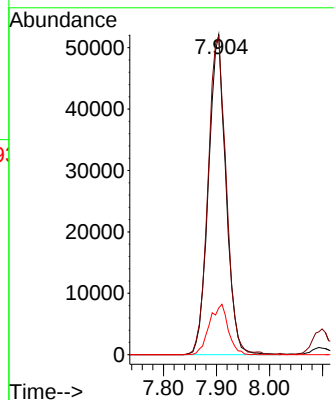
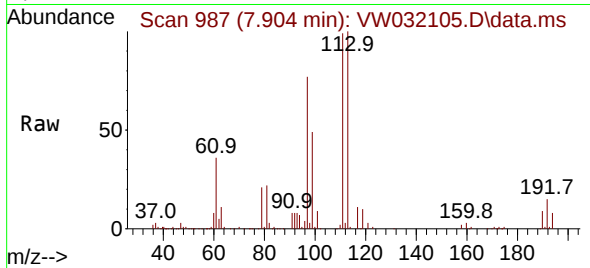




#35
 Dibromofluoromethane
 Concen: 54.222 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

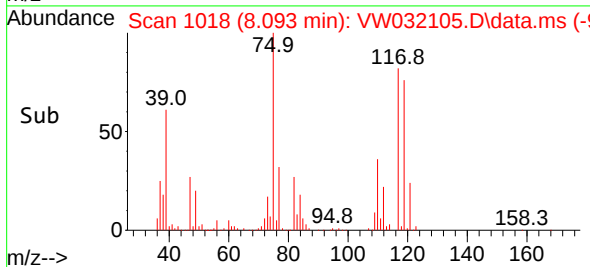
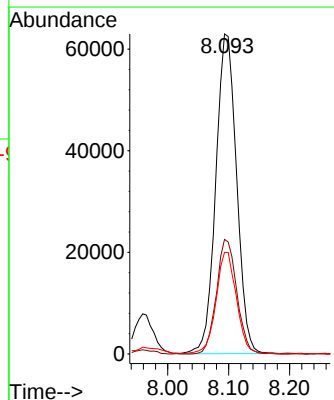
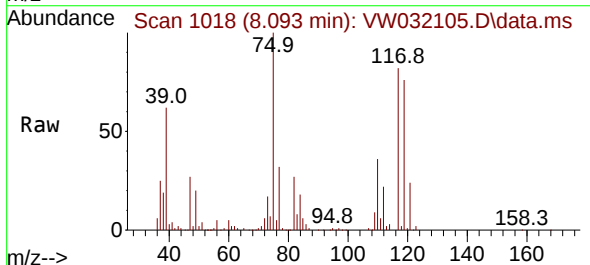
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

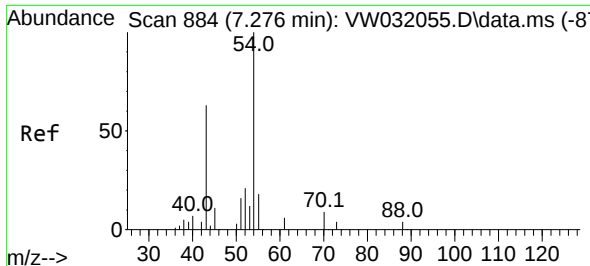
Tgt Ion:113 Resp: 119167
 Ion Ratio Lower Upper
 113 100
 111 103.6 80.1 120.1
 192 17.0 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 48.076 ug/l
 RT: 8.093 min Scan# 1018
 Delta R.T. -0.006 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion: 75 Resp: 148951
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.4 52.2
 77 31.4 24.7 37.1

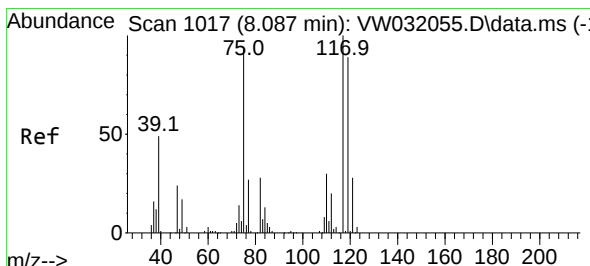
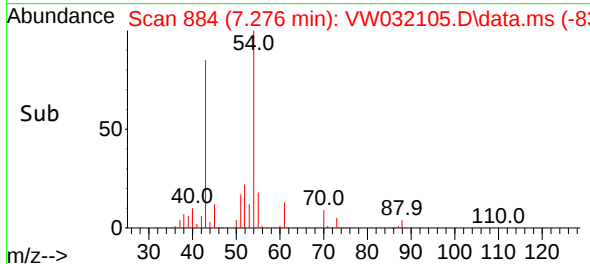
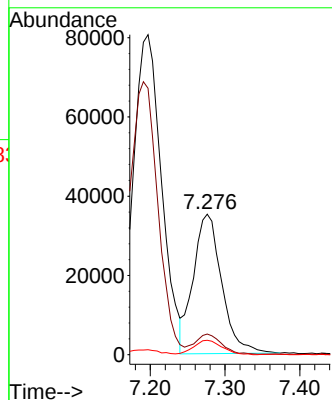
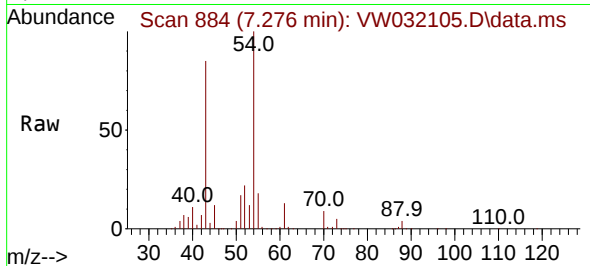




#37
Ethyl Acetate
Concen: 50.898 ug/l
RT: 7.276 min Scan# 884
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

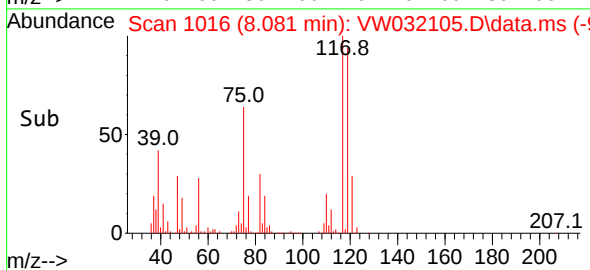
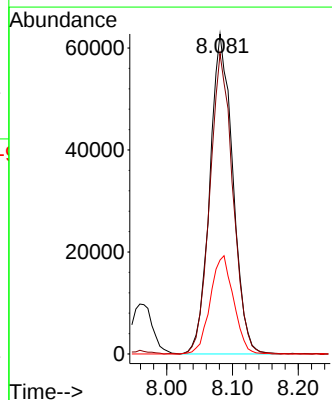
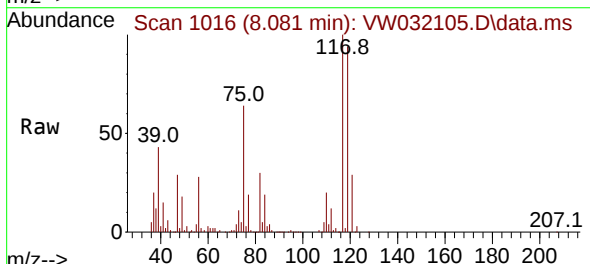
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

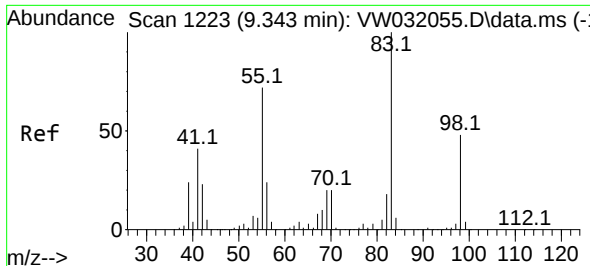
Tgt Ion:	43	Resp:	92875
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.6
70	10.3	9.4	14.0



#38
Carbon Tetrachloride
Concen: 51.129 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	117	Resp:	152872
Ion	Ratio	Lower	Upper
117	100		
119	93.8	71.4	107.2
121	29.3	22.3	33.5





#39

Methylcyclohexane

Concen: 44.891 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

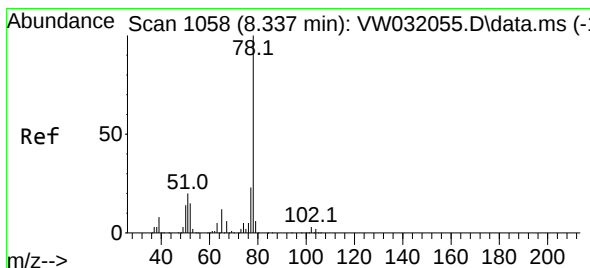
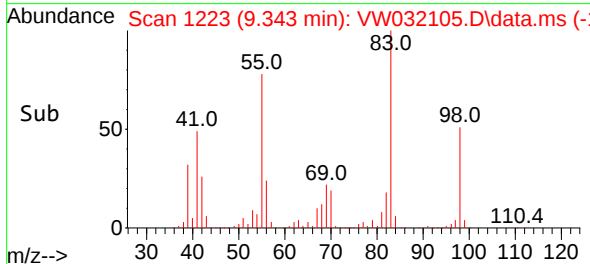
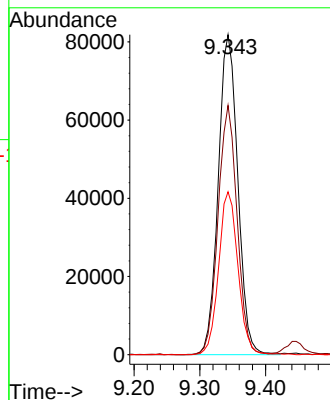
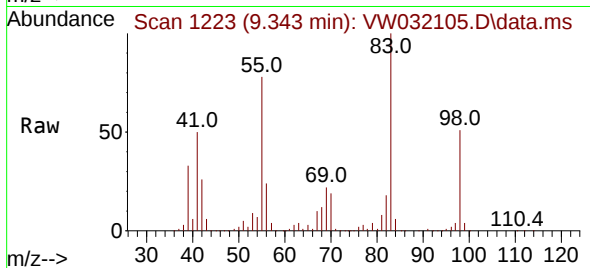
Tgt Ion: 83 Resp: 169525

Ion Ratio Lower Upper

83 100

55 77.9 57.9 86.9

98 50.9 38.3 57.5



#40

Benzene

Concen: 49.865 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032105.D

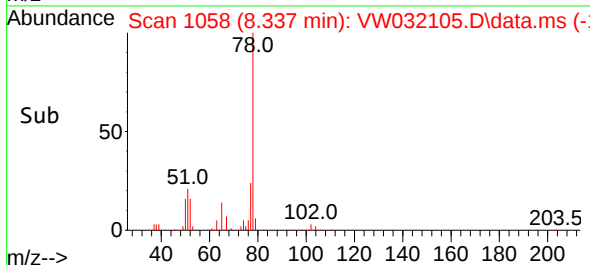
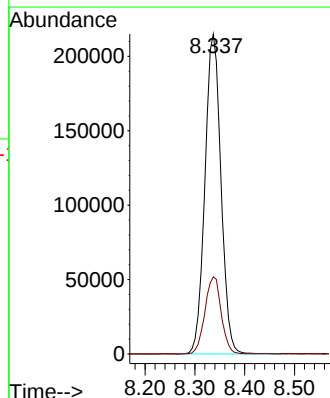
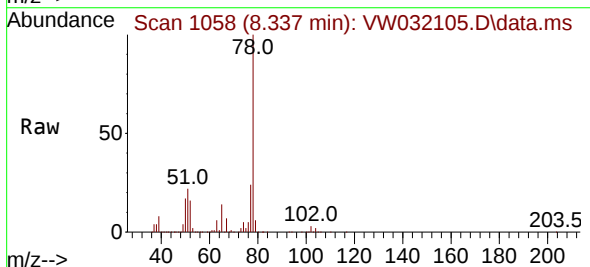
Acq: 14 Aug 2025 19:32

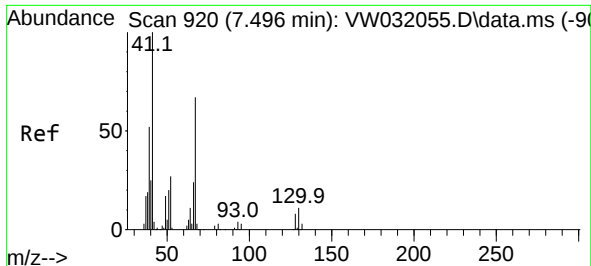
Tgt Ion: 78 Resp: 480231

Ion Ratio Lower Upper

78 100

77 24.1 18.4 27.6

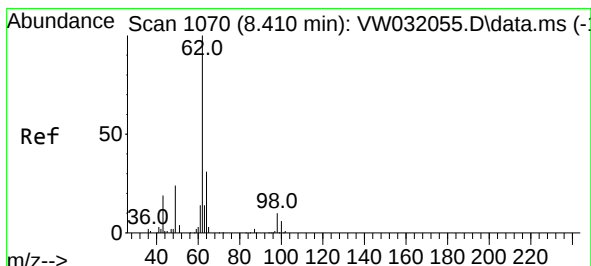
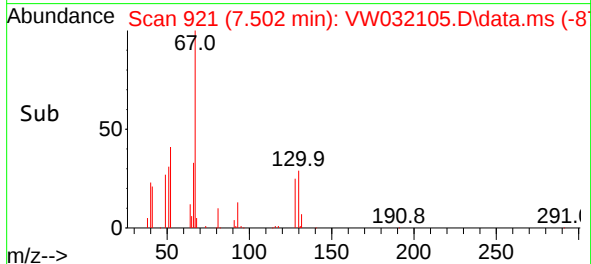
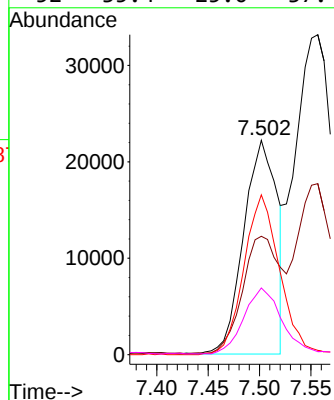
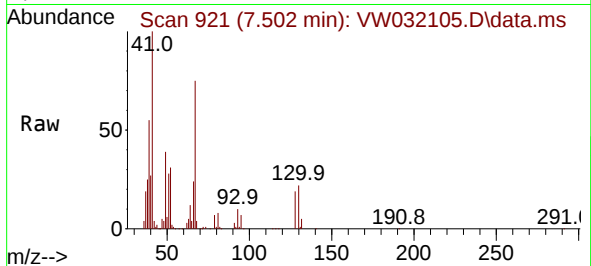




#41
Methacrylonitrile
Concen: 48.528 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

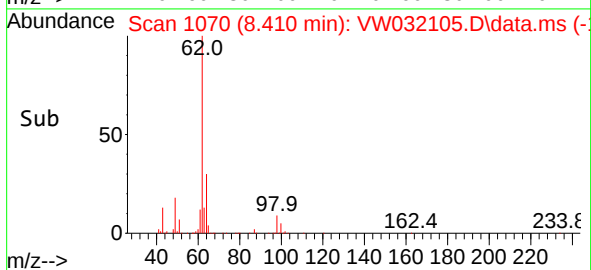
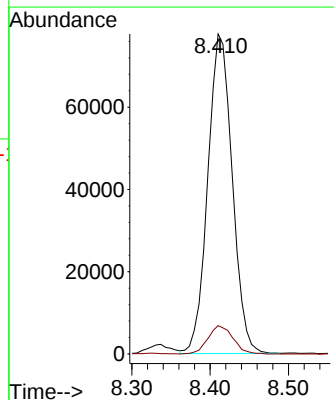
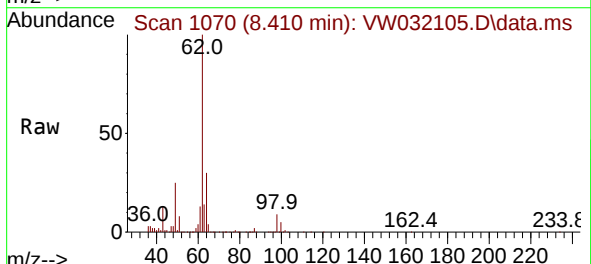
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

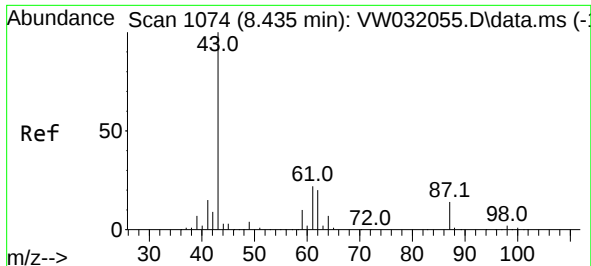
Tgt Ion:	41	Resp:	50217
Ion	Ratio	Lower	Upper
41	100		
39	63.7	42.6	63.8
67	80.8	61.0	91.4
52	35.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 54.726 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	62	Resp:	168647
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.8

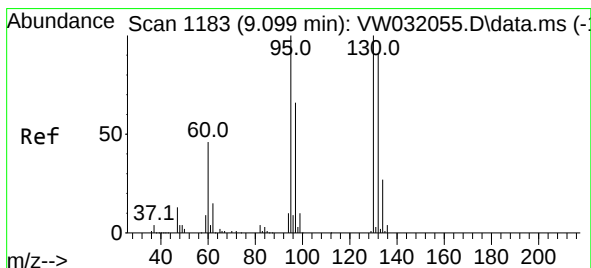
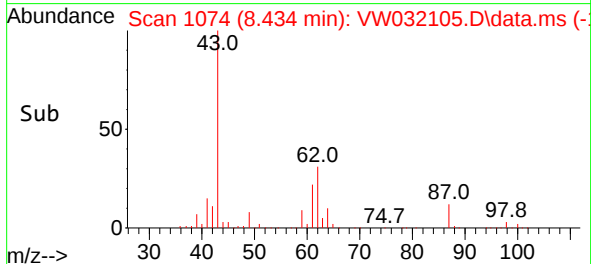
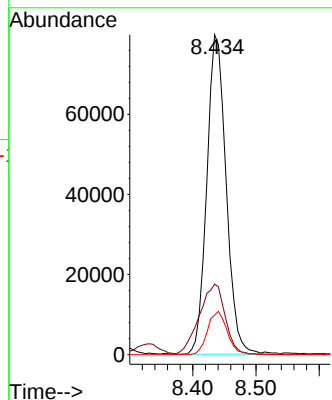
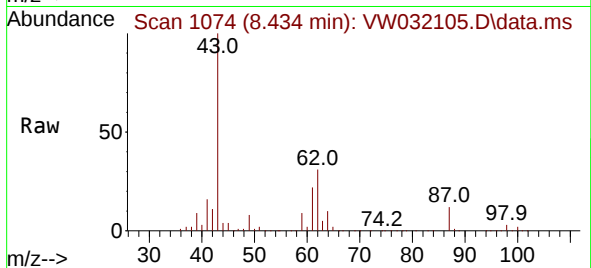




#43
Isopropyl Acetate
Concen: 50.564 ug/l
RT: 8.434 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

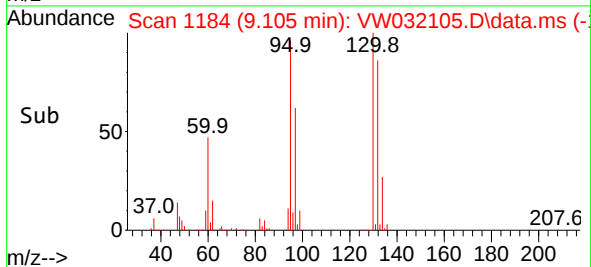
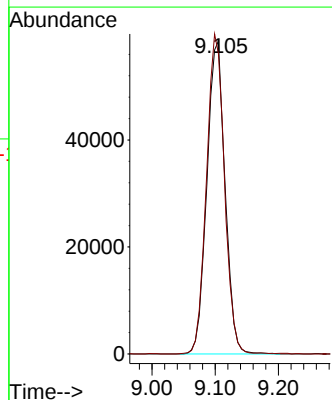
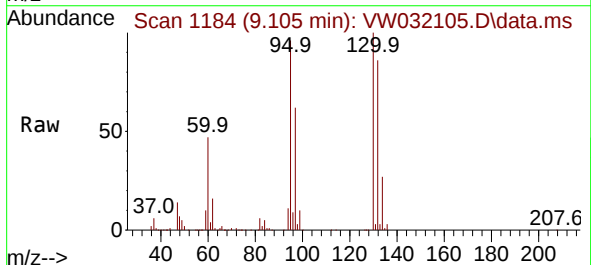
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

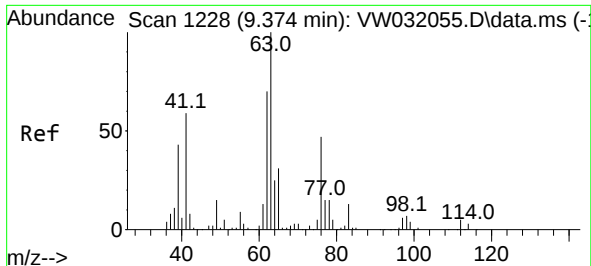
Tgt Ion: 43 Resp: 169753
Ion Ratio Lower Upper
43 100
61 29.7 23.8 35.8
87 13.9 11.7 17.5



#44
Trichloroethene
Concen: 50.915 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:130 Resp: 116771
Ion Ratio Lower Upper
130 100
95 95.8 0.0 200.6





#45

1,2-Dichloropropane

Concen: 49.769 ug/l

RT: 9.373 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

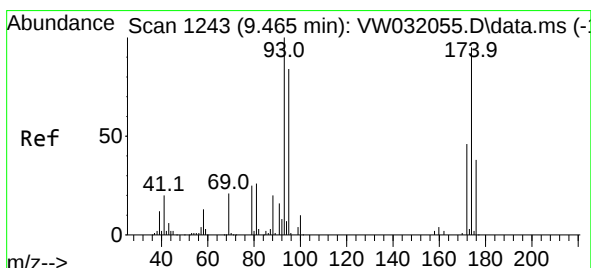
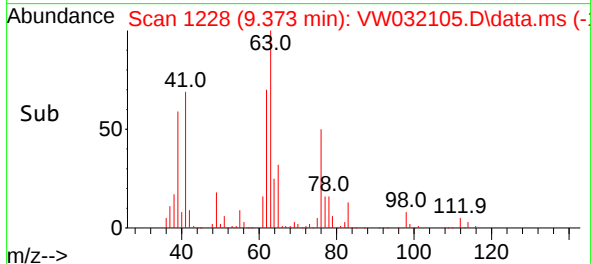
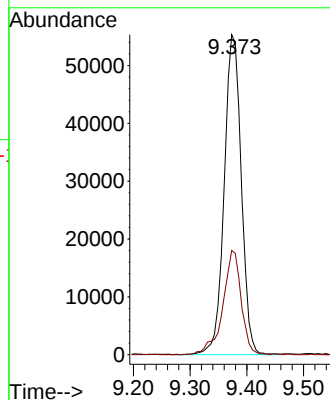
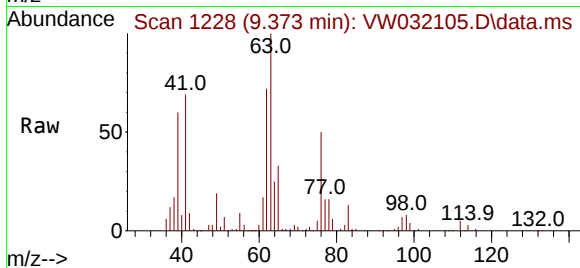
VSTDCCC050EC

Tgt Ion: 63 Resp: 115794

Ion Ratio Lower Upper

63 100

65 32.6 24.6 36.8



#46

Dibromomethane

Concen: 53.105 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

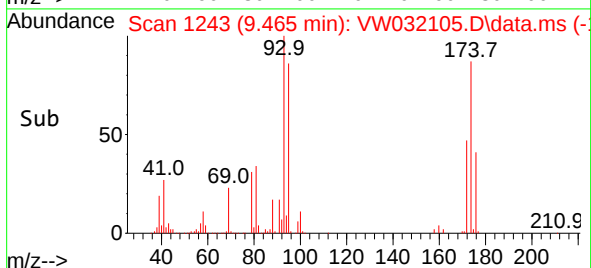
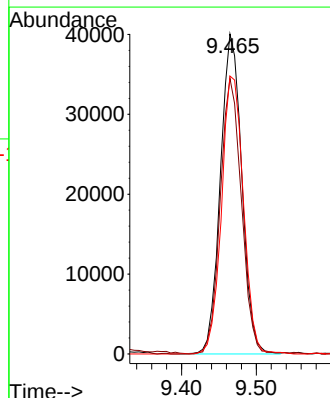
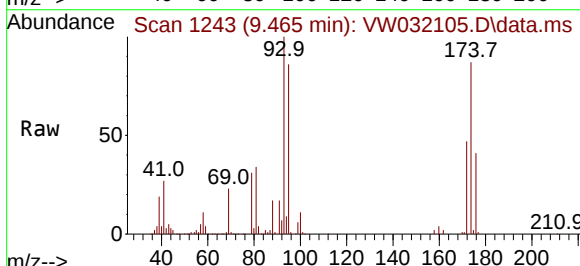
Tgt Ion: 93 Resp: 79744

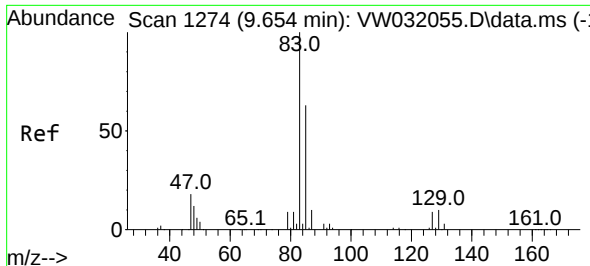
Ion Ratio Lower Upper

93 100

95 85.2 65.3 97.9

174 88.7 68.6 102.8

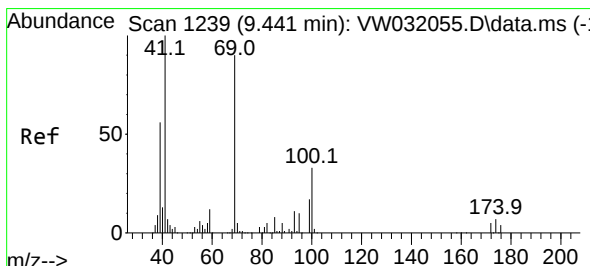
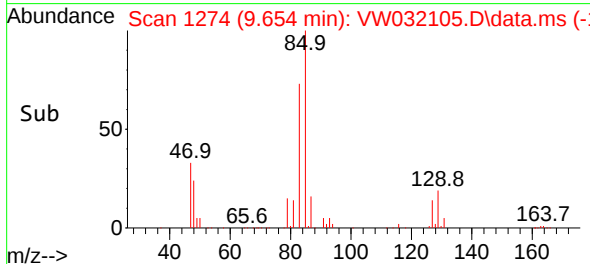
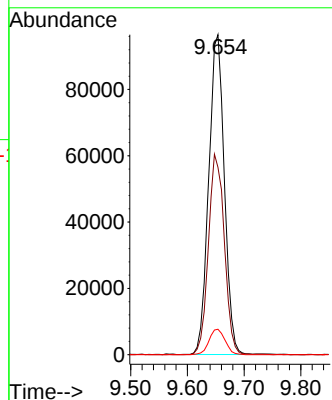
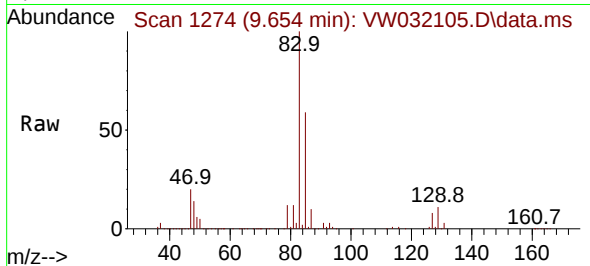




#47
Bromodichloromethane
Concen: 53.359 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

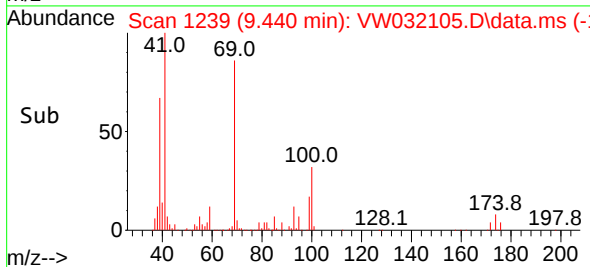
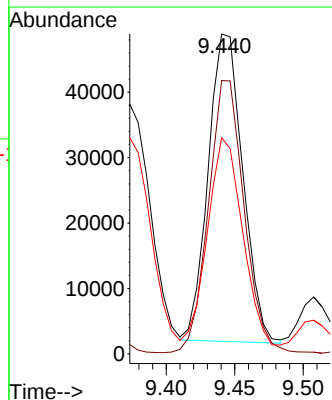
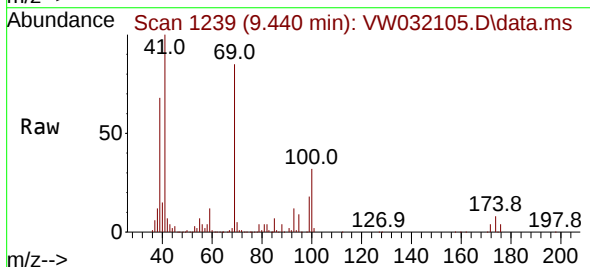
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

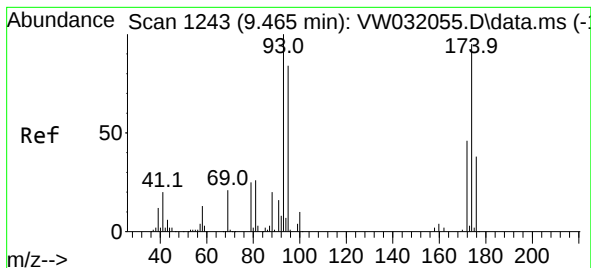
Tgt Ion: 83 Resp: 184629
Ion Ratio Lower Upper
83 100
85 58.6 50.6 75.8
127 8.0 6.9 10.3



#48
Methyl methacrylate
Concen: 50.886 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 41 Resp: 82474
Ion Ratio Lower Upper
41 100
69 91.9 73.0 109.6
39 74.0 45.0 67.4





#49

1,4-Dioxane

Concen: 1041.083 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

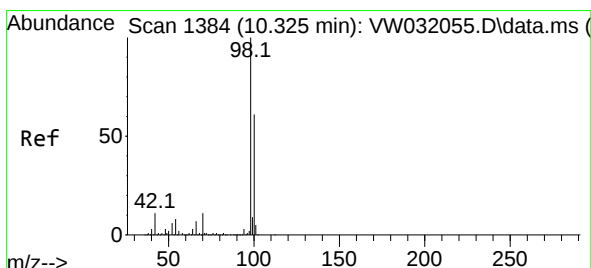
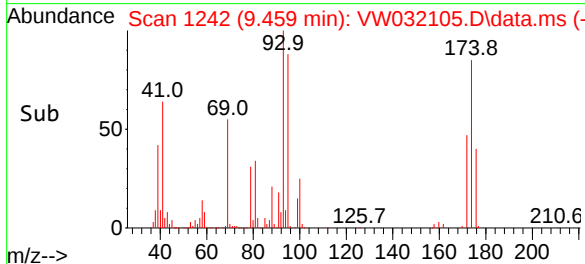
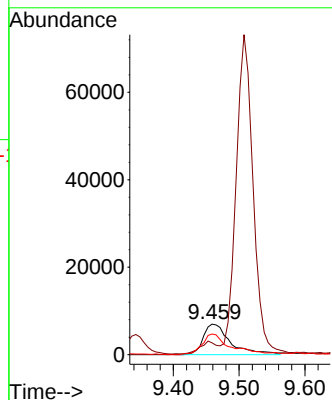
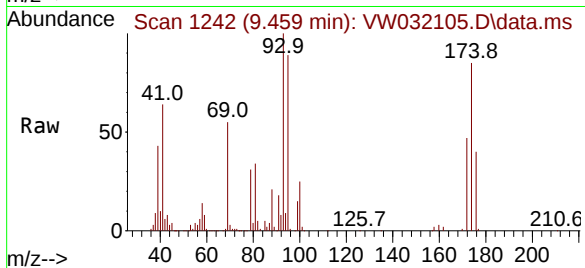
Tgt Ion: 88 Resp: 20213

Ion Ratio Lower Upper

88 100

43 27.2 20.6 30.8

58 68.8 60.4 90.6



#50

Toluene-d8

Concen: 53.076 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032105.D

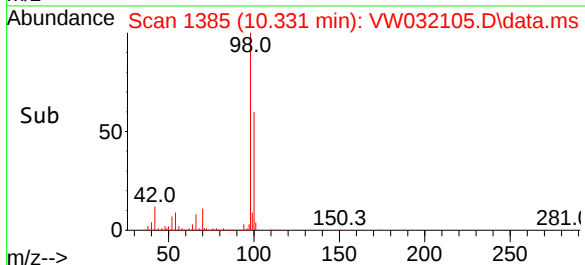
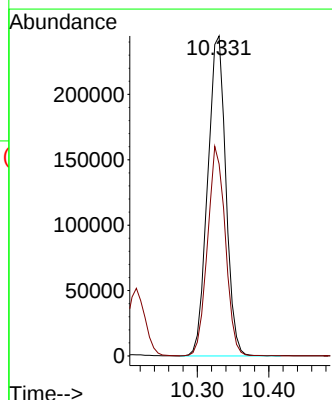
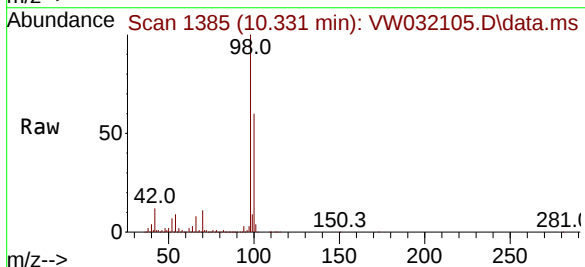
Acq: 14 Aug 2025 19:32

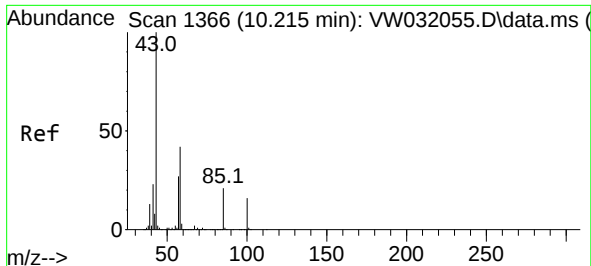
Tgt Ion: 98 Resp: 431442

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7

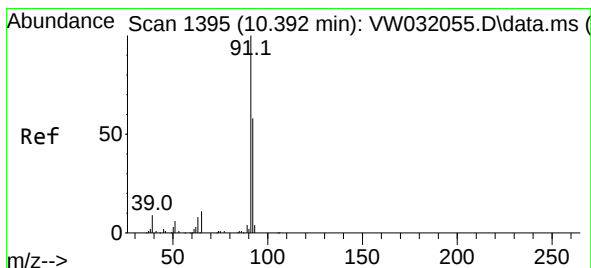
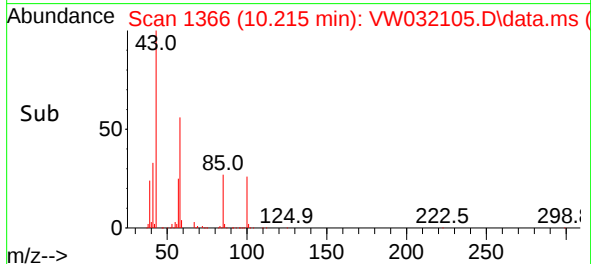
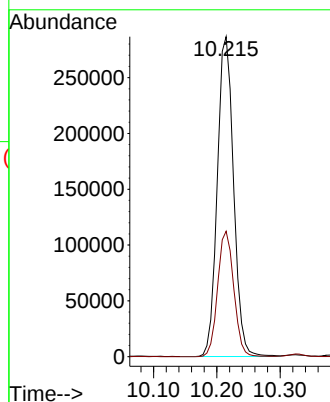
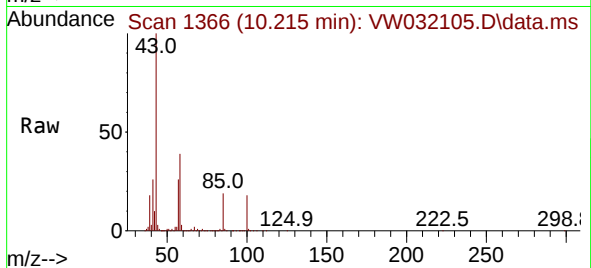




#51
4-Methyl-2-Pentanone
Concen: 269.316 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

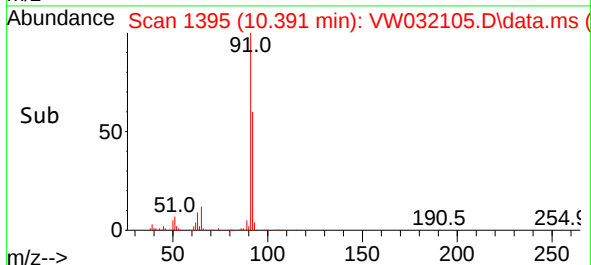
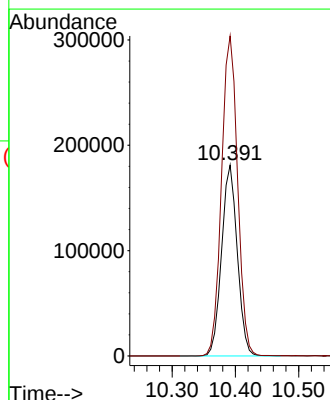
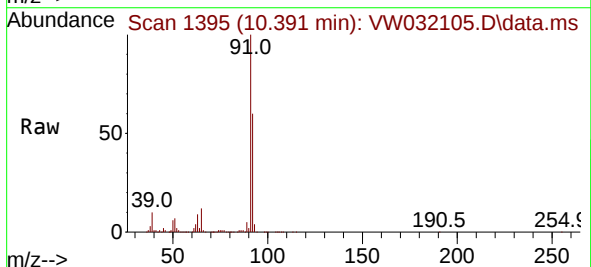
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

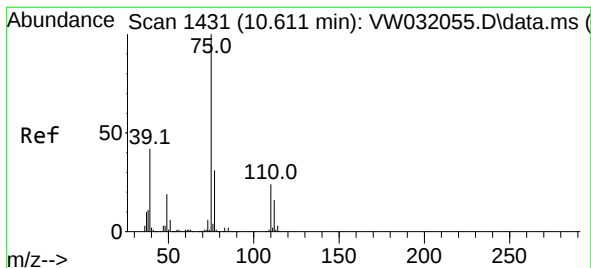
Tgt Ion: 43 Resp: 510331
Ion Ratio Lower Upper
43 100
58 38.9 33.1 49.7



#52
Toluene
Concen: 51.219 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 92 Resp: 310694
Ion Ratio Lower Upper
92 100
91 171.9 136.3 204.5

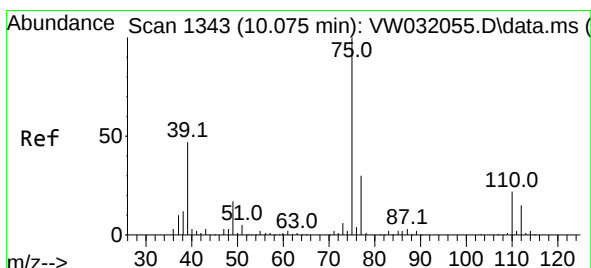
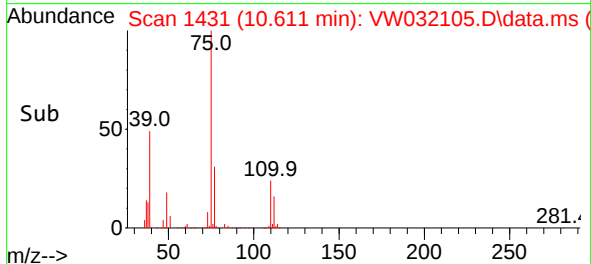
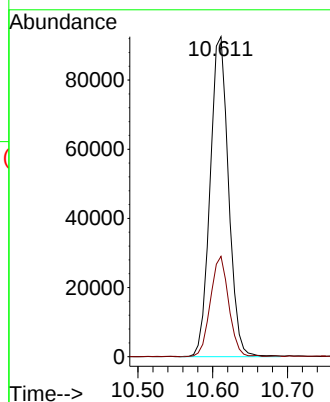
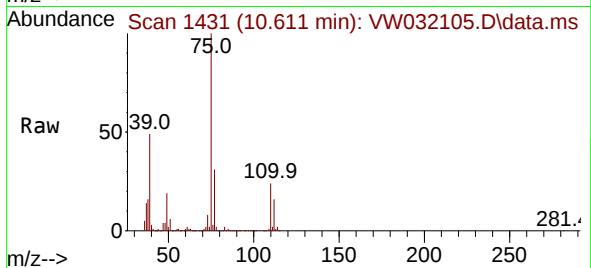




#53
t-1,3-Dichloropropene
Concen: 48.849 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

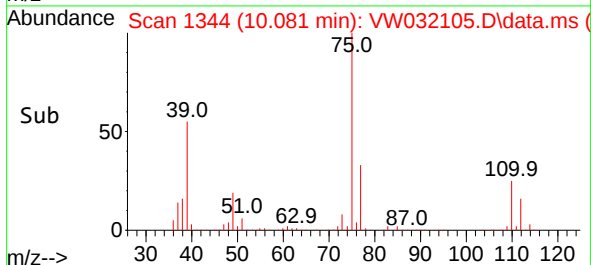
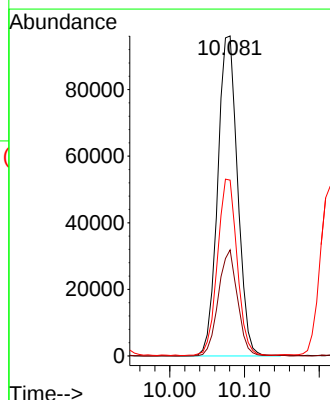
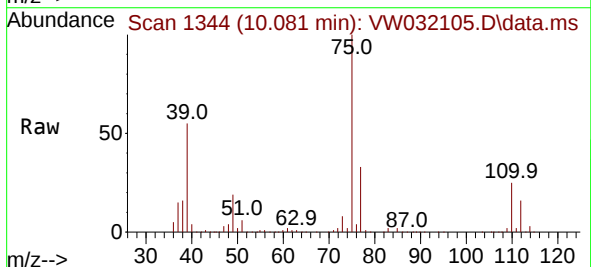
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

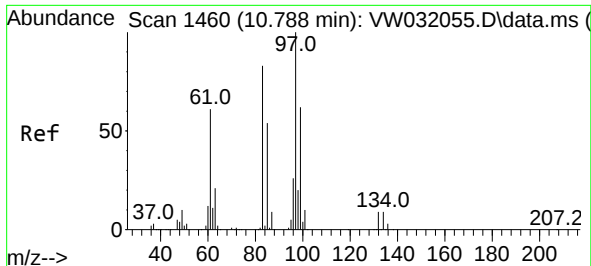
Tgt Ion: 75 Resp: 158355
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 48.366 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 75 Resp: 177874
Ion Ratio Lower Upper
75 100
77 33.2 24.0 36.0
39 54.8 37.8 56.8

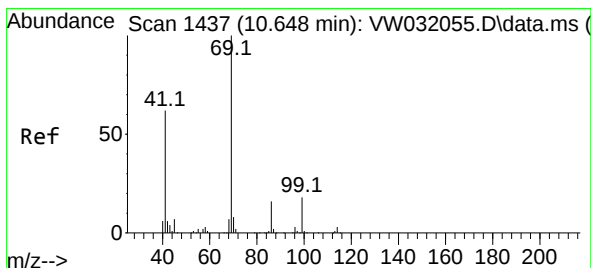
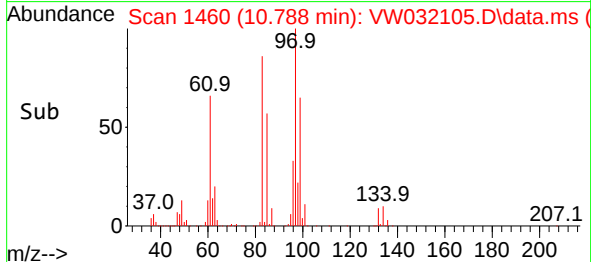
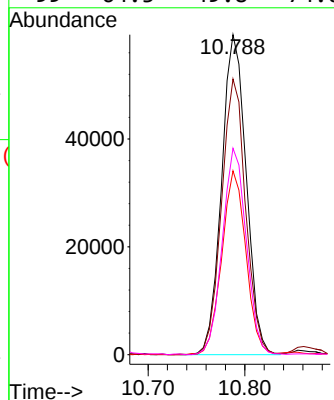
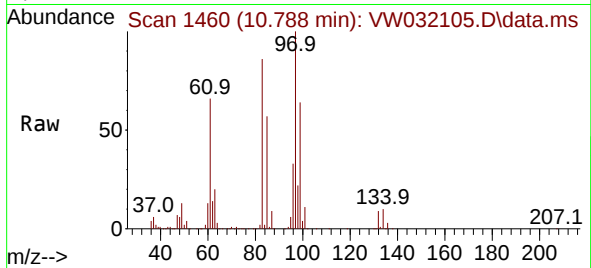




#55
1,1,2-Trichloroethane
Concen: 52.415 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

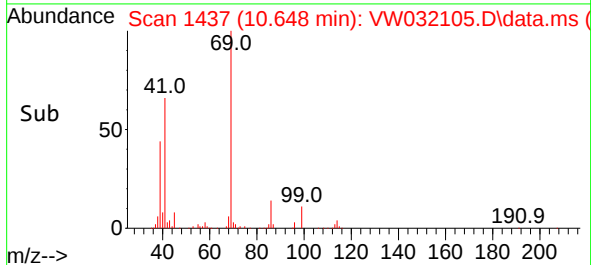
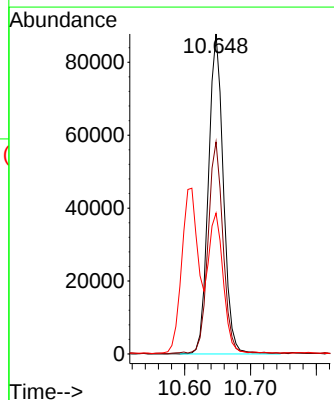
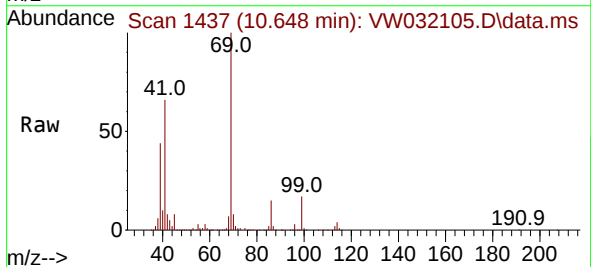
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

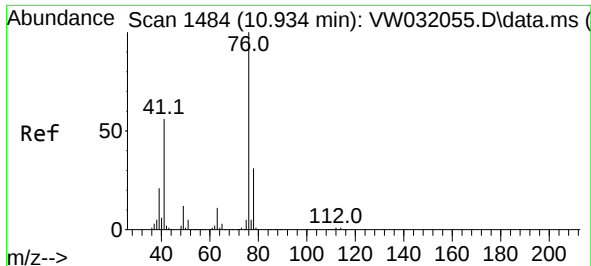
Tgt Ion:	97	Resp:	104590
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.4	99.6
85	57.5	43.1	64.7
99	64.3	49.8	74.6



#56
Ethyl methacrylate
Concen: 51.993 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	69	Resp:	138833
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.2	76.8
39	41.9	25.4	38.0





#57

1,3-Dichloropropane

Concen: 50.807 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

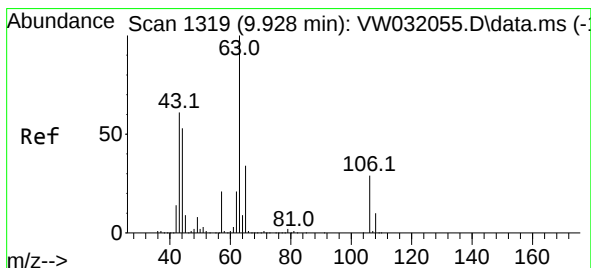
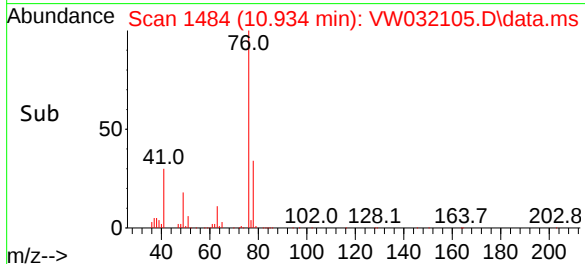
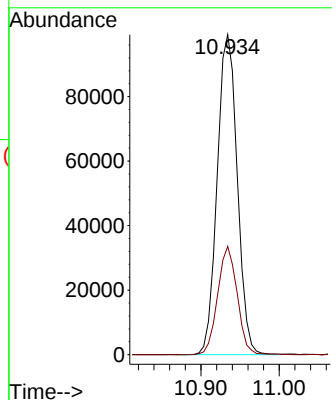
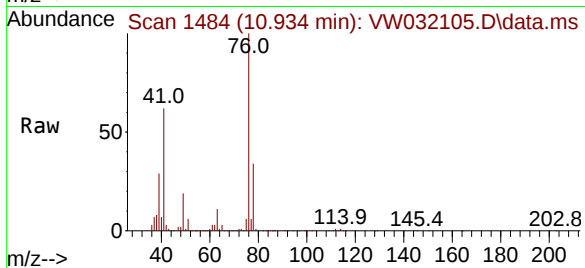
VSTDCCC050EC

Tgt Ion: 76 Resp: 176713

Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 271.010 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032105.D

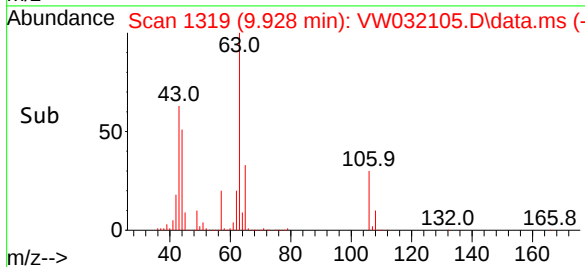
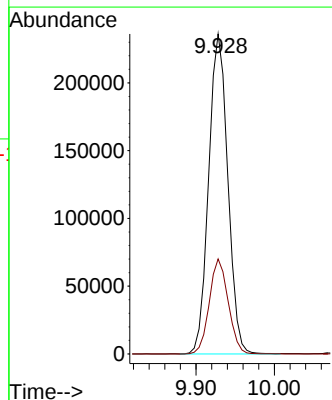
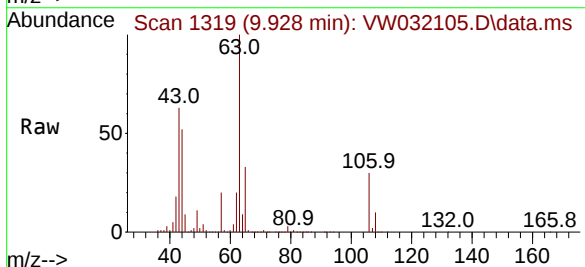
Acq: 14 Aug 2025 19:32

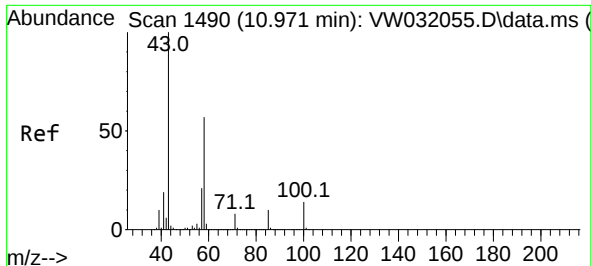
Tgt Ion: 63 Resp: 400276

Ion Ratio Lower Upper

63 100

106 29.3 23.5 35.3

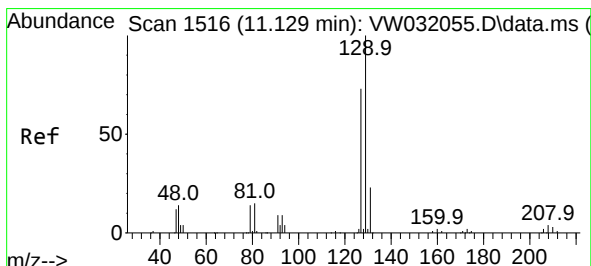
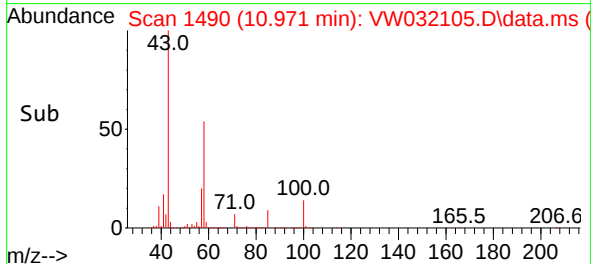
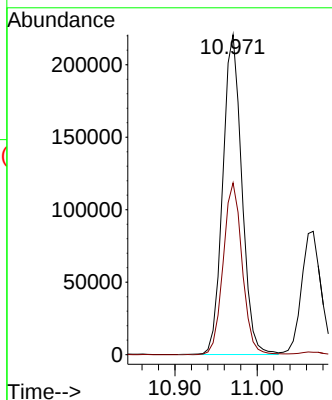
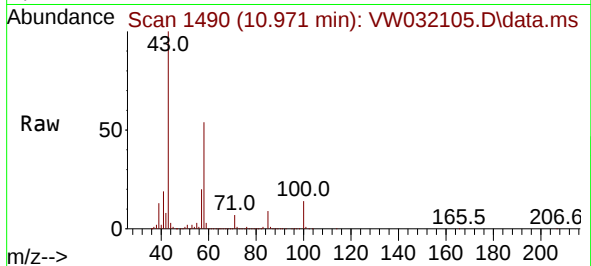




#59
2-Hexanone
Concen: 270.484 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

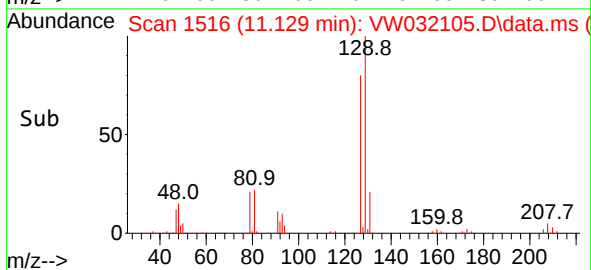
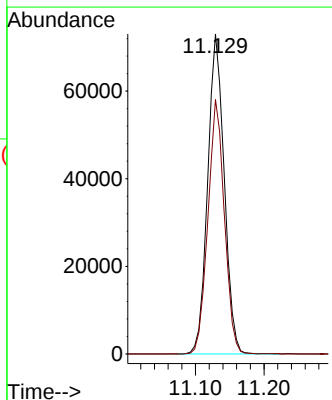
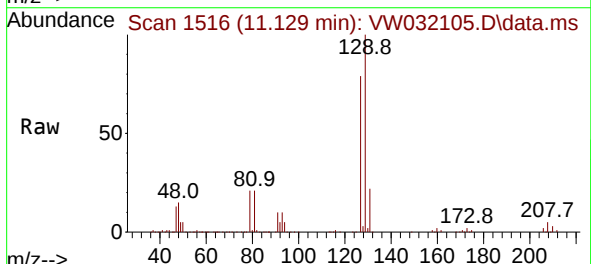
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

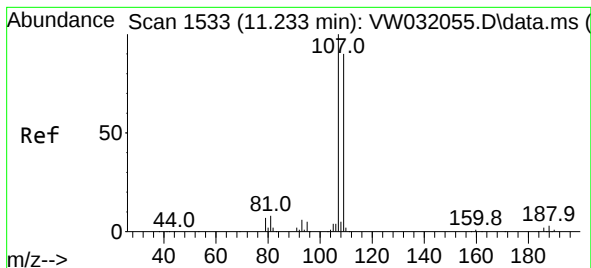
Tgt Ion: 43 Resp: 354969
Ion Ratio Lower Upper
43 100
58 53.6 28.3 85.0



#60
Dibromochloromethane
Concen: 53.691 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:129 Resp: 122381
Ion Ratio Lower Upper
129 100
127 79.1 39.0 116.9

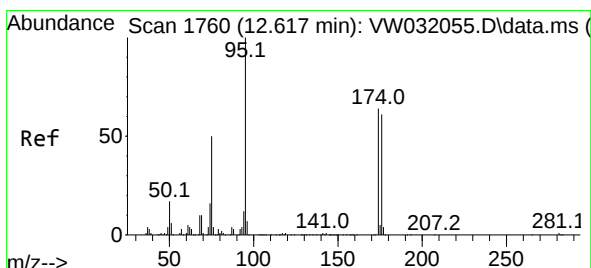
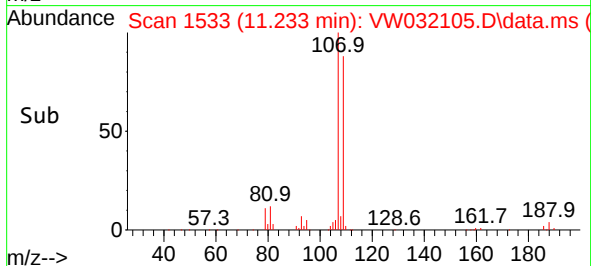
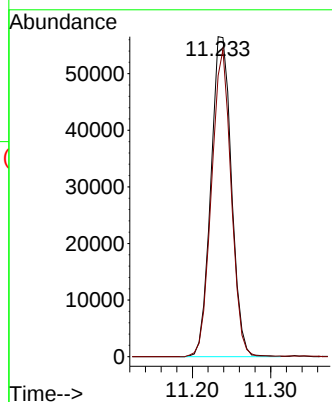
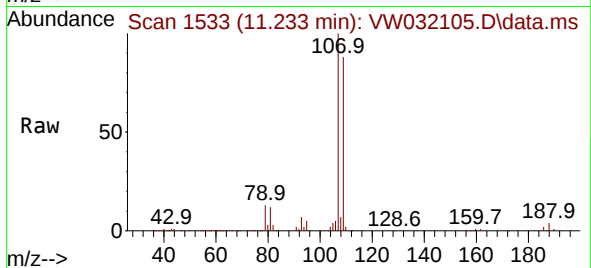




#61
1,2-Dibromoethane
Concen: 53.107 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

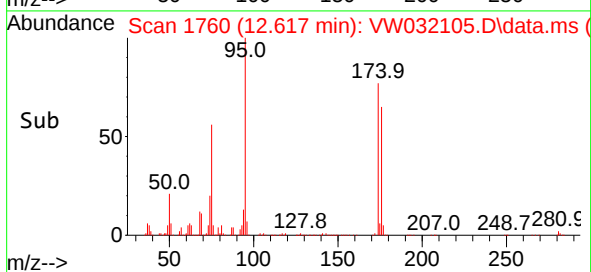
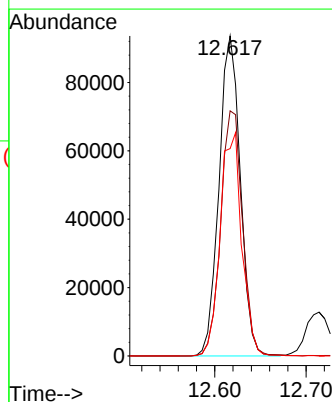
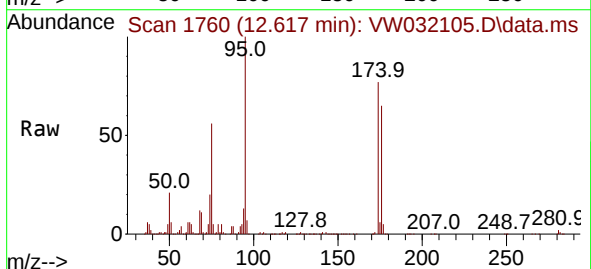
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

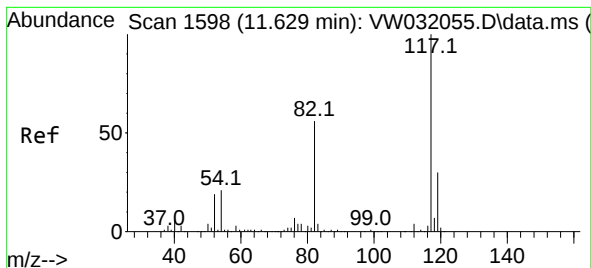
Tgt Ion:107 Resp: 102979
Ion Ratio Lower Upper
107 100
109 91.6 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 50.684 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 95 Resp: 151827
Ion Ratio Lower Upper
95 100
174 78.2 0.0 129.0
176 71.1 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

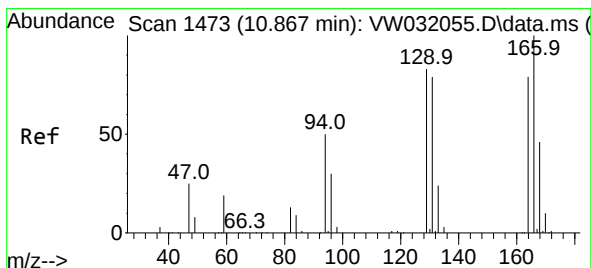
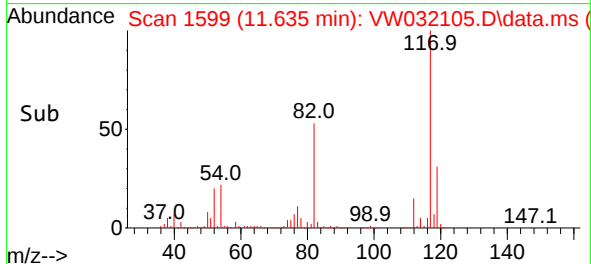
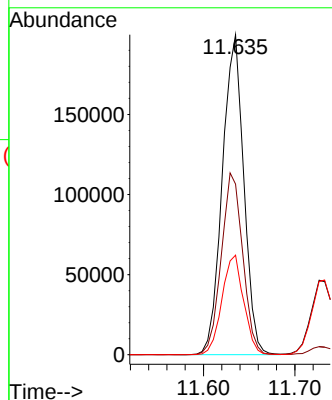
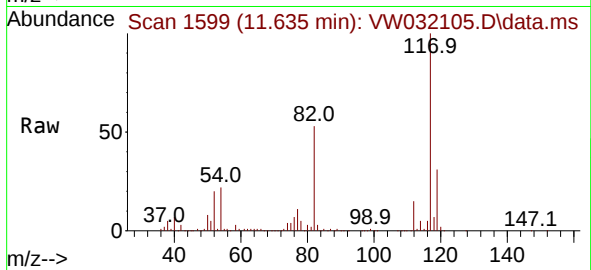
Tgt Ion:117 Resp: 325940

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

119 31.1 24.2 36.4



#64

Tetrachloroethene

Concen: 56.838 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Tgt Ion:164 Resp: 107005

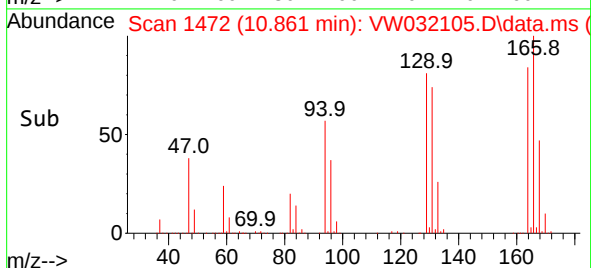
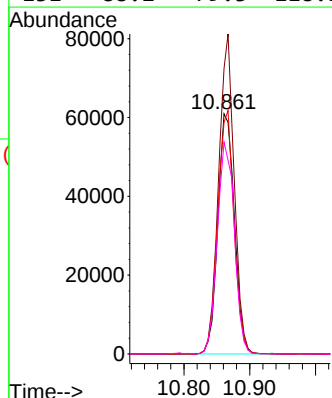
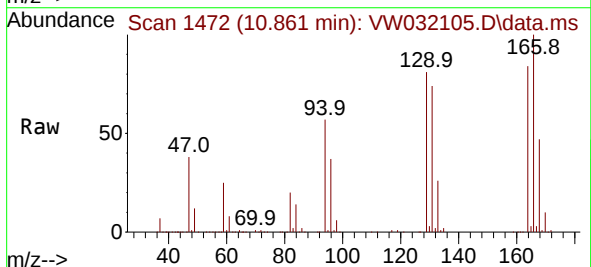
Ion Ratio Lower Upper

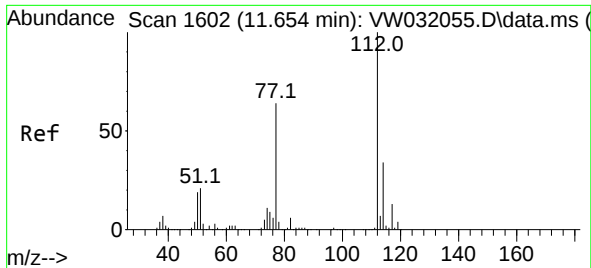
164 100

166 118.8 100.9 151.3

129 96.4 83.6 125.4

131 88.2 79.3 118.9

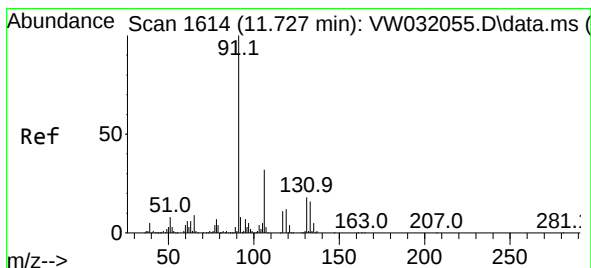
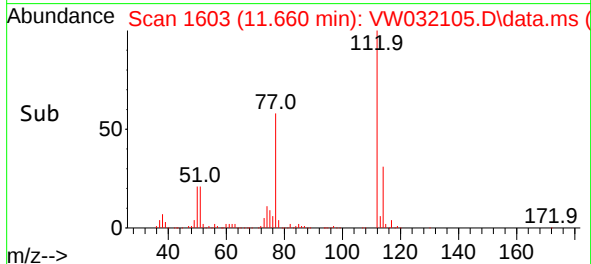
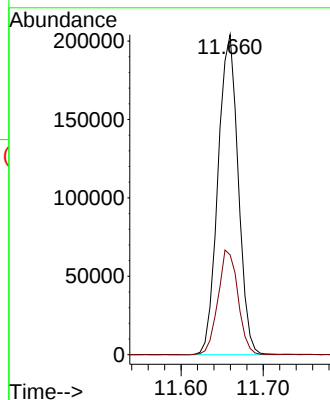
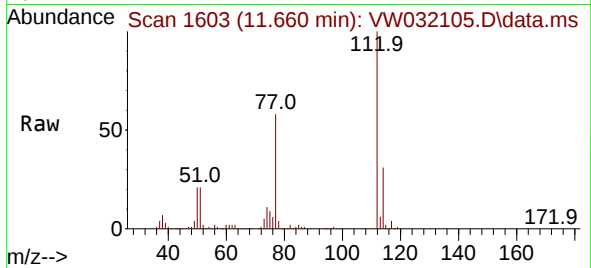




#65
Chlorobenzene
Concen: 49.157 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

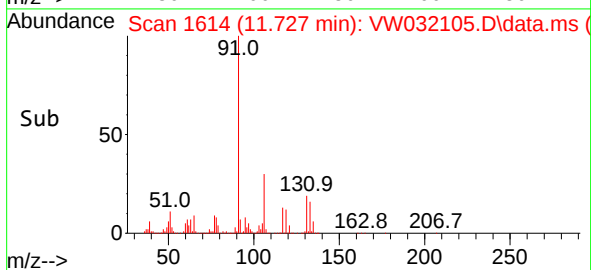
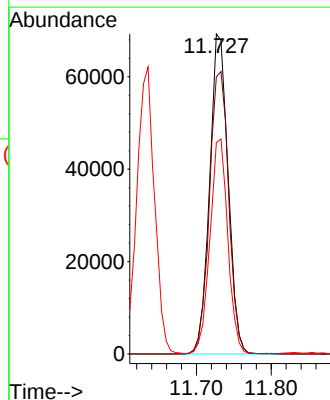
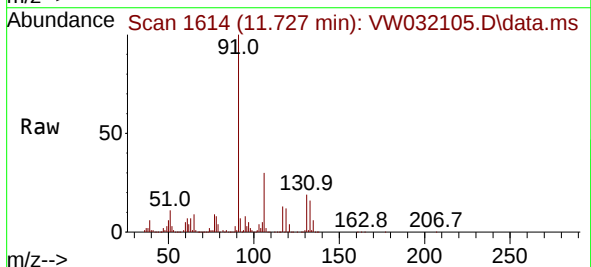
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

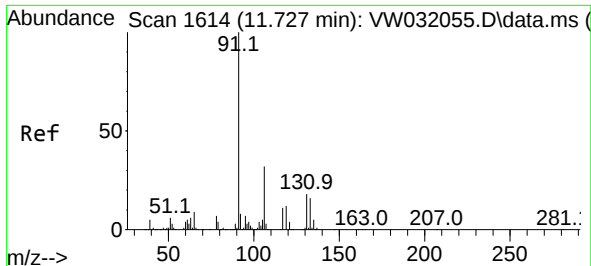
Tgt Ion:112 Resp: 348750
Ion Ratio Lower Upper
112 100
114 31.2 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 53.648 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:131 Resp: 118751
Ion Ratio Lower Upper
131 100
133 92.1 47.3 142.0
119 65.1 34.5 103.5





#67

Ethyl Benzene

Concen: 50.069 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

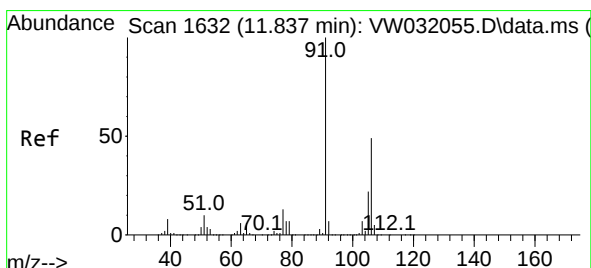
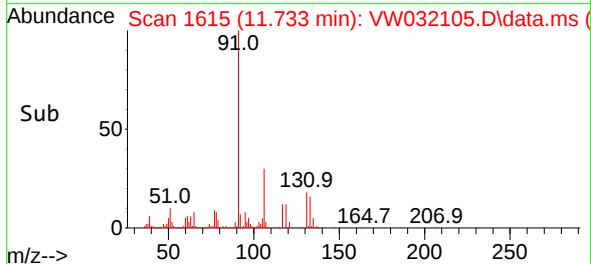
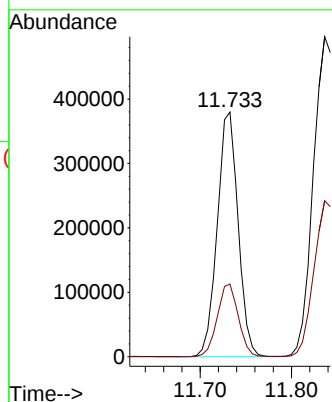
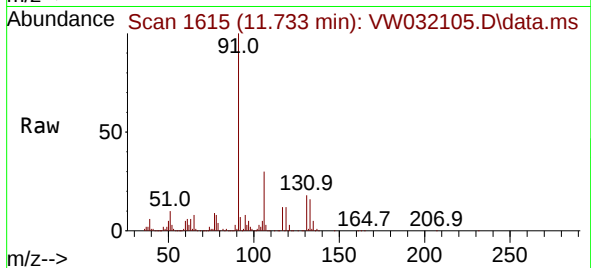
VSTDCCC050EC

Tgt Ion: 91 Resp: 601685

Ion Ratio Lower Upper

91 100

106 29.7 25.4 38.0



#68

m/p-Xylenes

Concen: 98.314 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032105.D

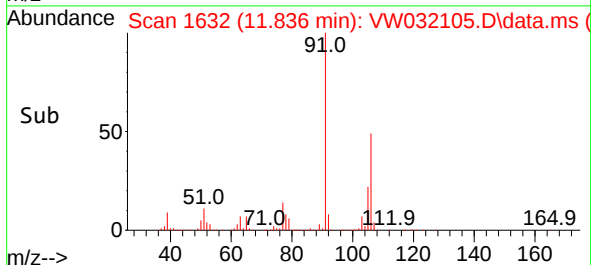
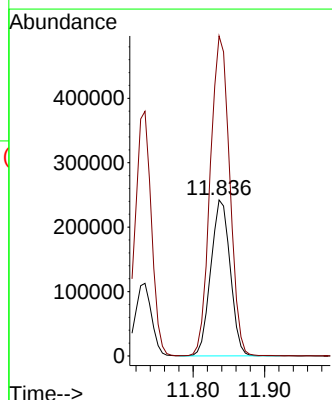
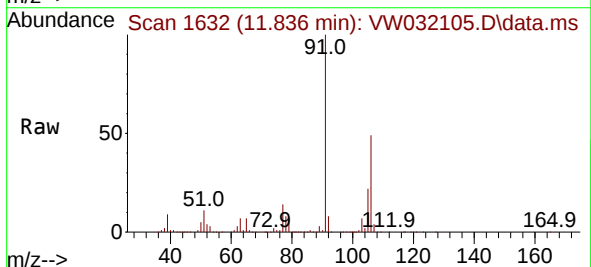
Acq: 14 Aug 2025 19:32

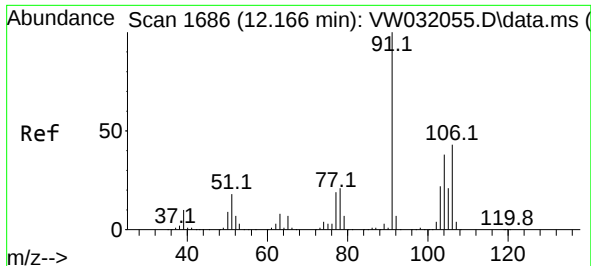
Tgt Ion:106 Resp: 455888

Ion Ratio Lower Upper

106 100

91 206.4 162.2 243.2

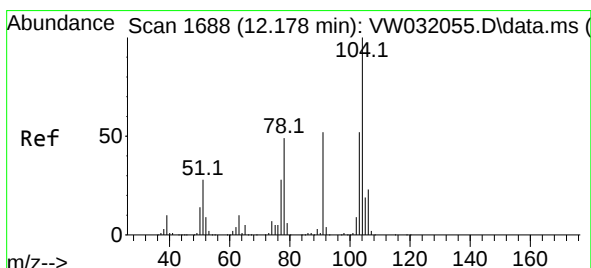
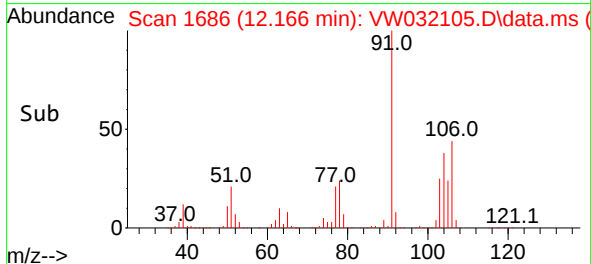
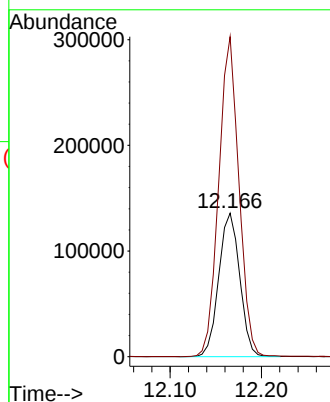
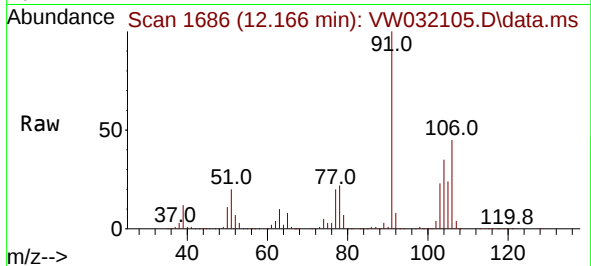




#69
o-Xylene
Concen: 50.609 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

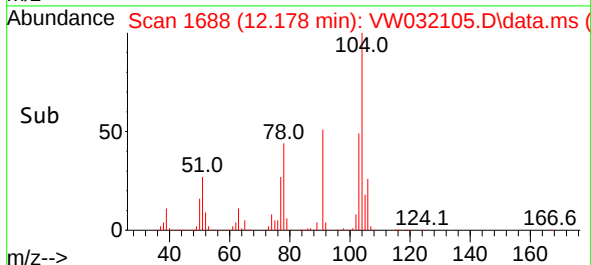
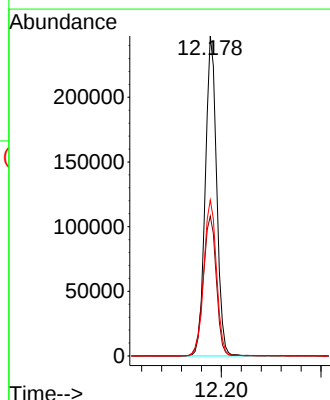
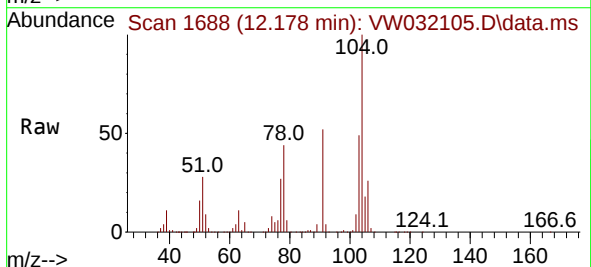
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

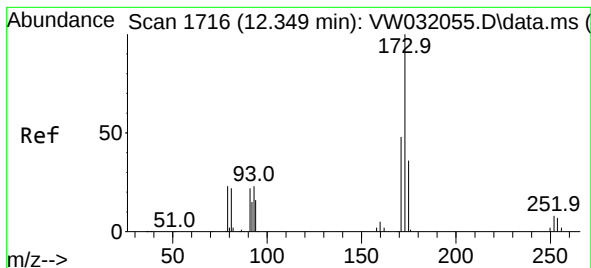
Tgt Ion:106 Resp: 216903
Ion Ratio Lower Upper
106 100
91 215.1 110.8 332.3



#70
Styrene
Concen: 51.563 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:104 Resp: 392538
Ion Ratio Lower Upper
104 100
78 50.0 41.2 61.8
103 54.2 43.8 65.8





#71

Bromoform

Concen: 55.047 ug/l

RT: 12.355 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

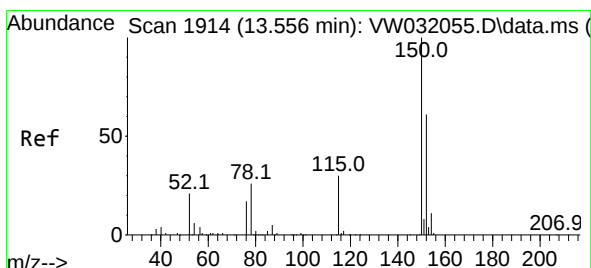
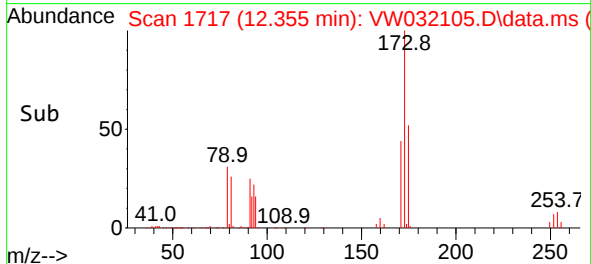
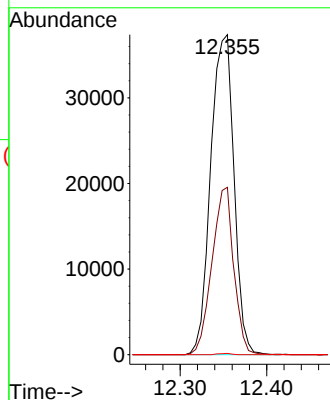
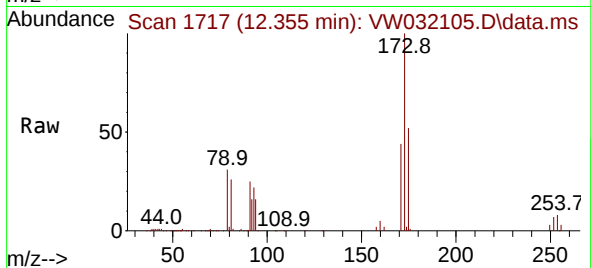
Tgt Ion:173 Resp: 69699

Ion Ratio Lower Upper

173 100

175 49.1 22.9 68.7

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

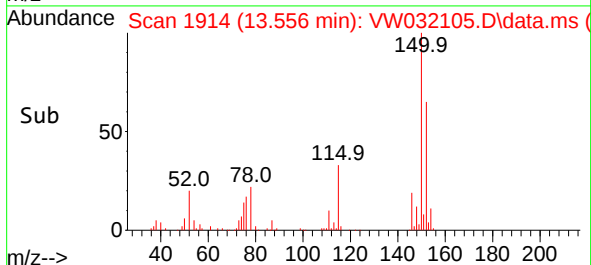
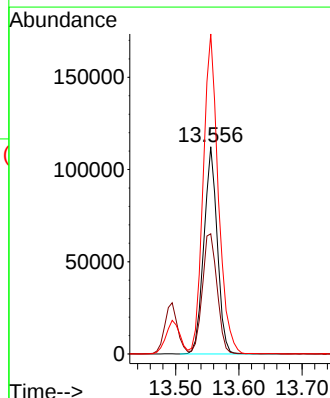
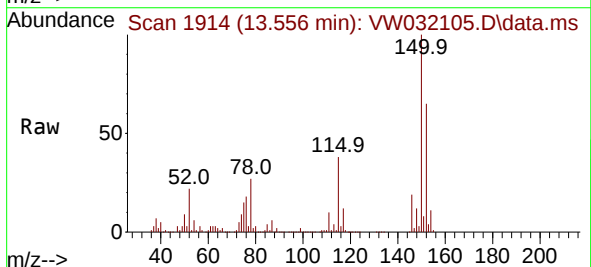
Tgt Ion:152 Resp: 166040

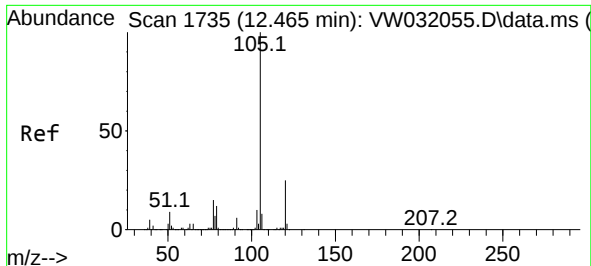
Ion Ratio Lower Upper

152 100

115 63.7 32.6 97.8

150 174.1 0.0 359.4

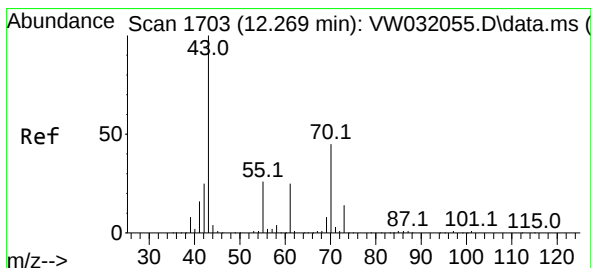
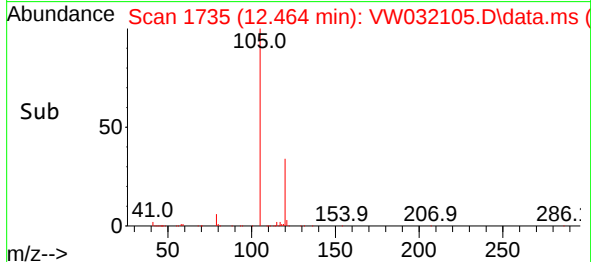
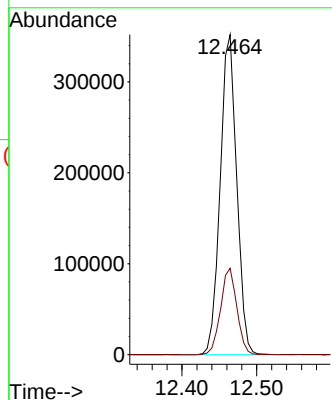
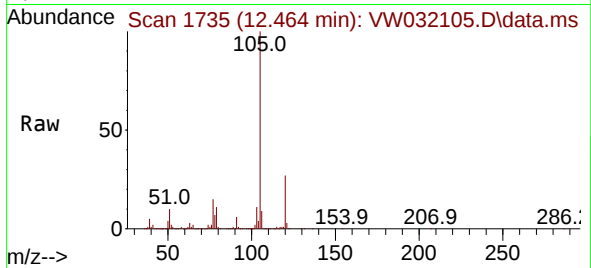




#73
Isopropylbenzene
Concen: 46.544 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

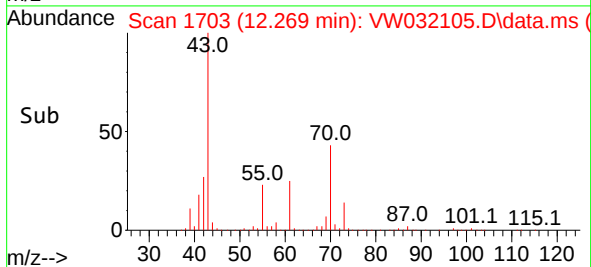
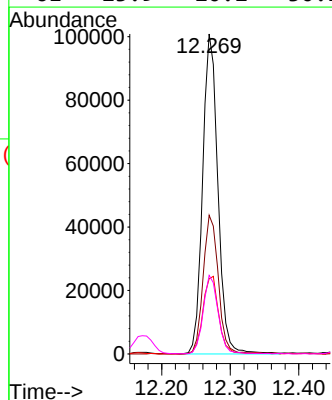
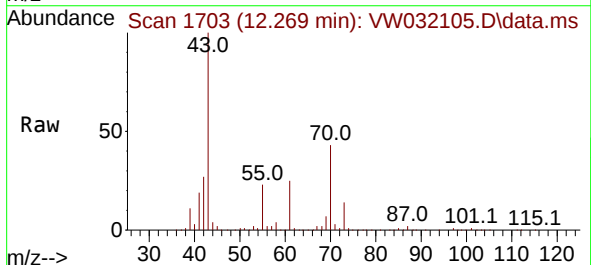
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

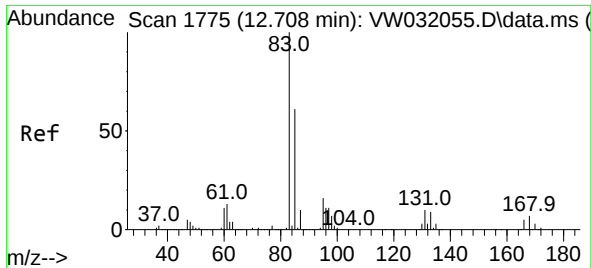
Tgt Ion:105 Resp: 540086
Ion Ratio Lower Upper
105 100
120 26.6 12.8 38.4



#74
N-ethyl acetate
Concen: 47.086 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 43 Resp: 156756
Ion Ratio Lower Upper
43 100
70 43.4 37.0 55.4
55 25.1 21.1 31.7
61 23.9 20.2 30.2

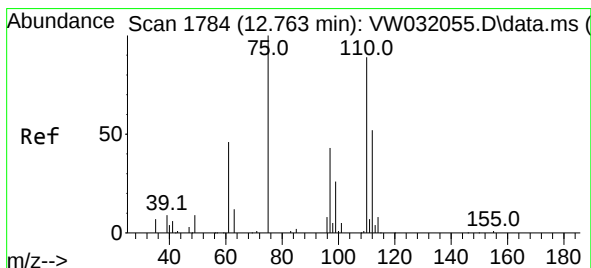
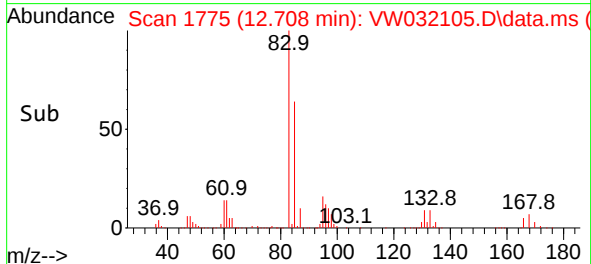
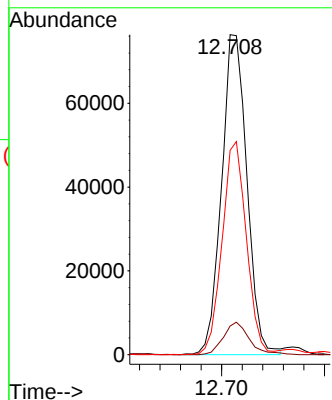
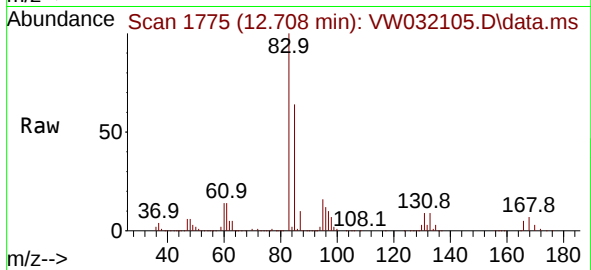




#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.526 ug/l
 RT: 12.708 min Scan# 1775
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

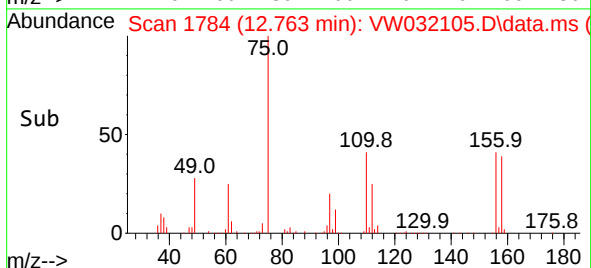
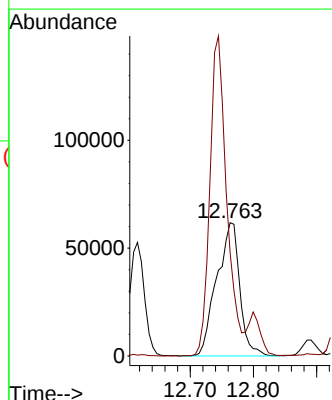
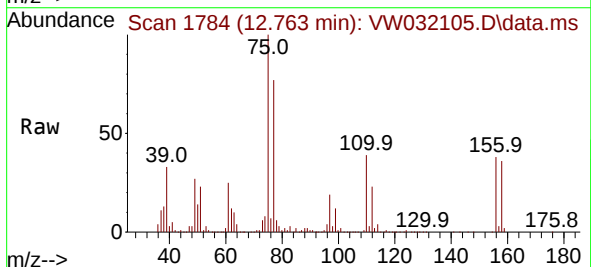
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

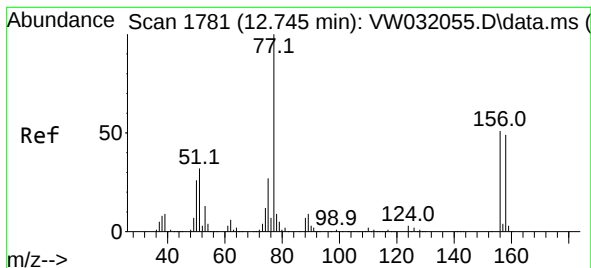
Tgt Ion: 83 Resp: 130940
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.1 15.4
 85 63.7 32.2 96.6



#76
 1,2,3-Trichloropropane
 Concen: 69.173 ug/l
 RT: 12.763 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion: 75 Resp: 155884
 Ion Ratio Lower Upper
 75 100
 77 175.2 123.5 370.5





#77

Bromobenzene

Concen: 47.862 ug/l

RT: 12.745 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

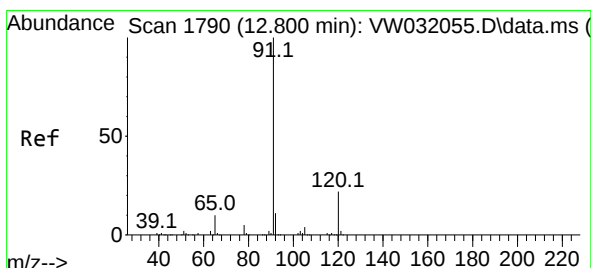
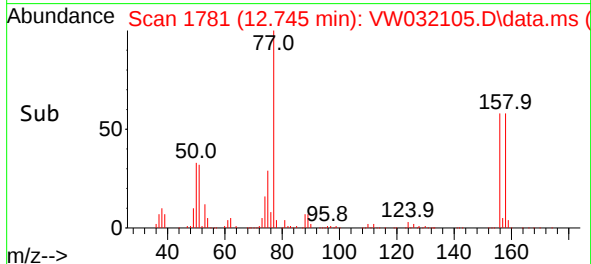
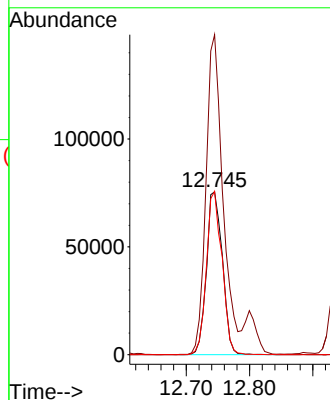
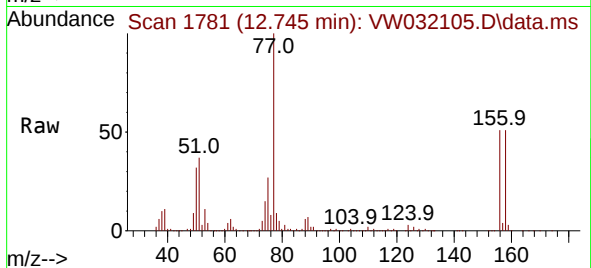
Tgt Ion:156 Resp: 132649

Ion Ratio Lower Upper

156 100

77 205.9 108.7 326.3

158 98.2 48.3 144.9



#78

n-propylbenzene

Concen: 47.233 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW032105.D

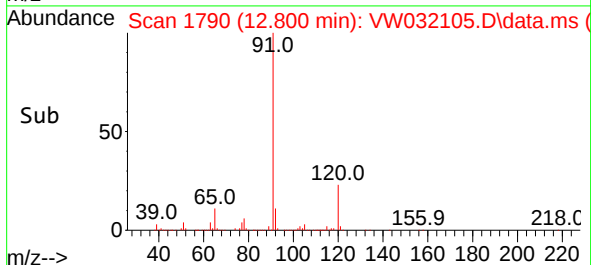
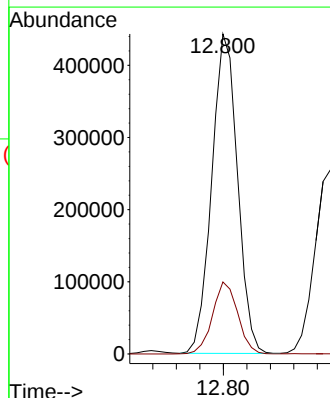
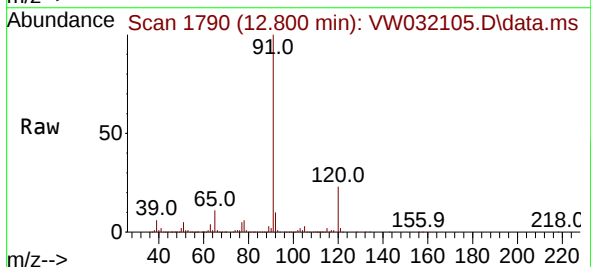
Acq: 14 Aug 2025 19:32

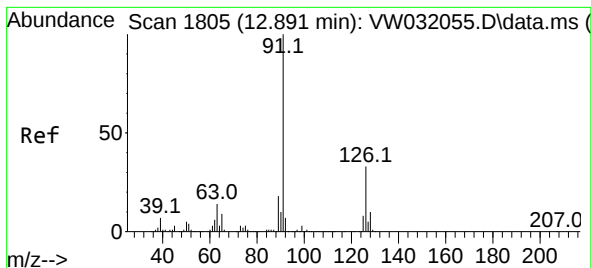
Tgt Ion: 91 Resp: 674775

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.3

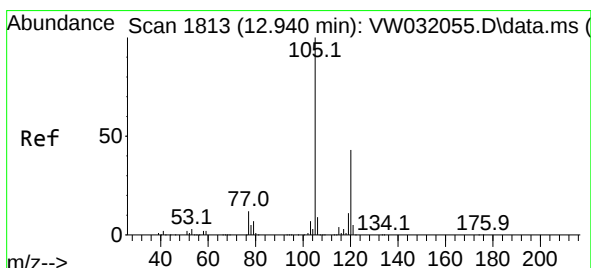
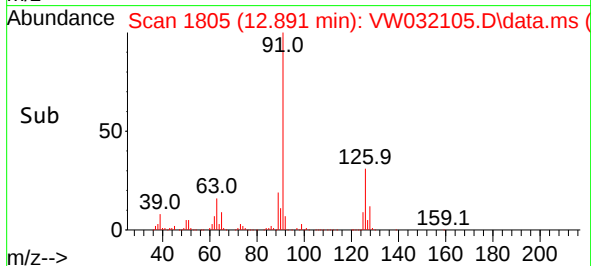
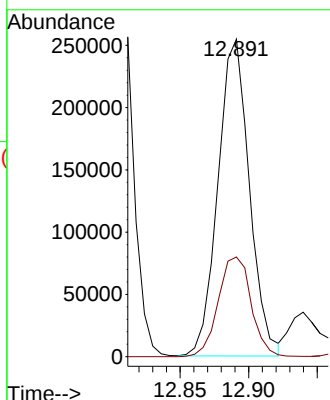
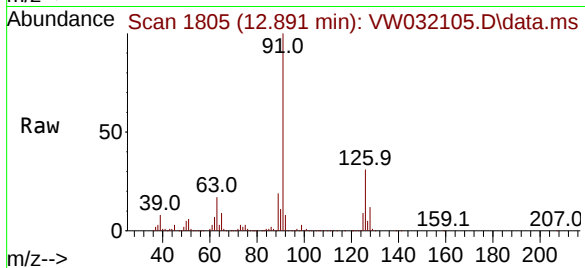




#79
2-Chlorotoluene
Concen: 46.044 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

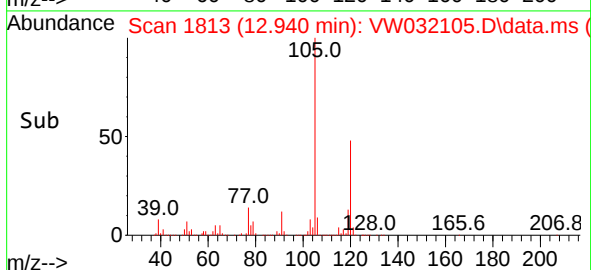
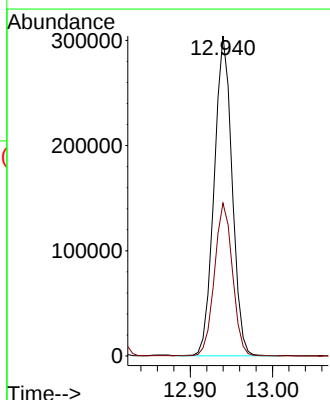
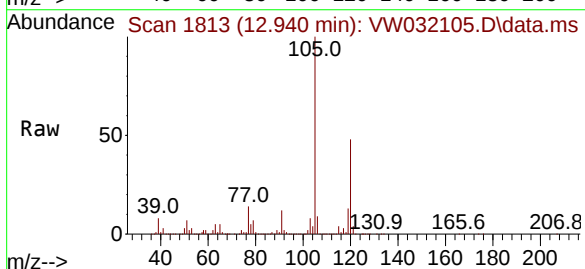
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

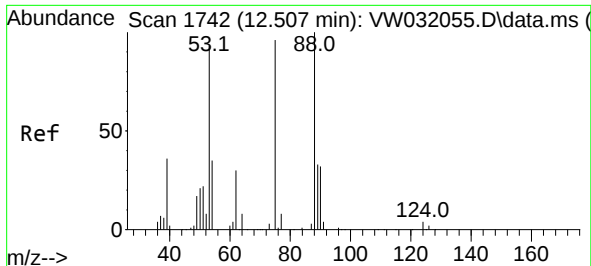
Tgt Ion: 91 Resp: 405968
Ion Ratio Lower Upper
91 100
126 32.9 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 46.706 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 105 Resp: 460118
Ion Ratio Lower Upper
105 100
120 47.9 23.4 70.0

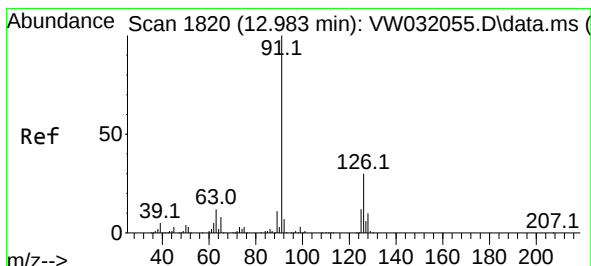
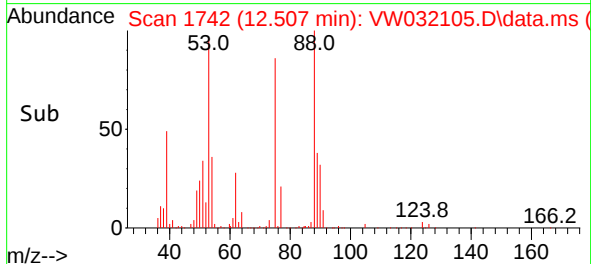
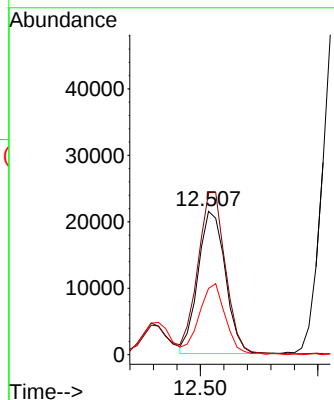
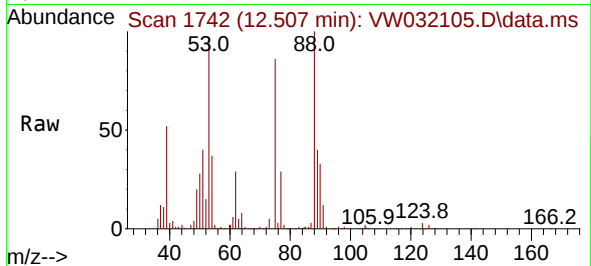




#81
trans-1,4-Dichloro-2-butene
Concen: 39.765 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

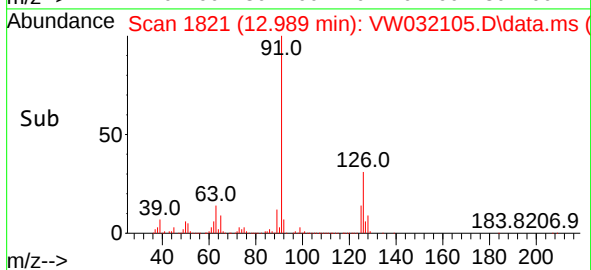
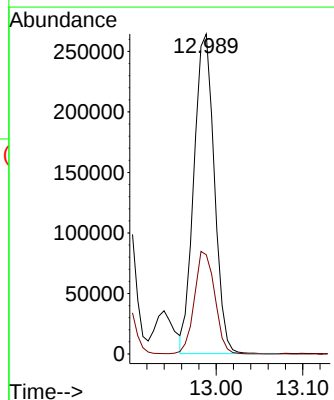
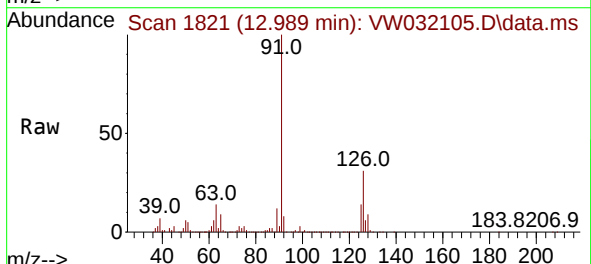
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

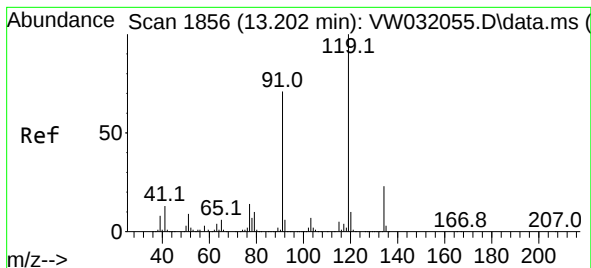
Tgt Ion:	75	Resp:	34614
Ion	Ratio	Lower	Upper
75	100		
53	114.9	81.0	121.6
89	48.3	37.3	55.9



#82
4-Chlorotoluene
Concen: 46.038 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion:	91	Resp:	431266
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.5	46.5





#83

tert-Butylbenzene

Concen: 49.066 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

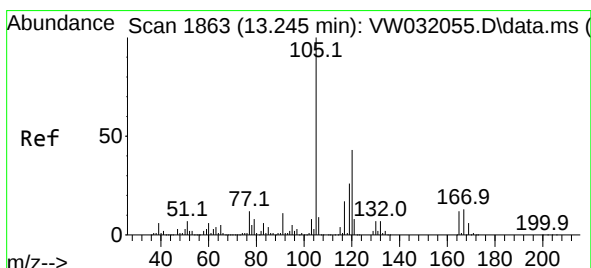
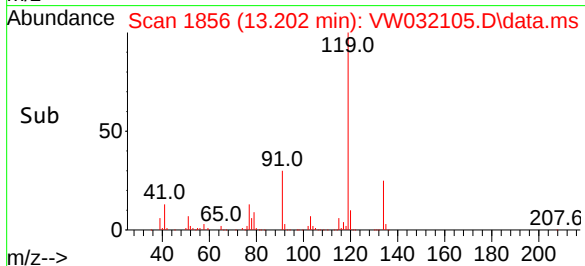
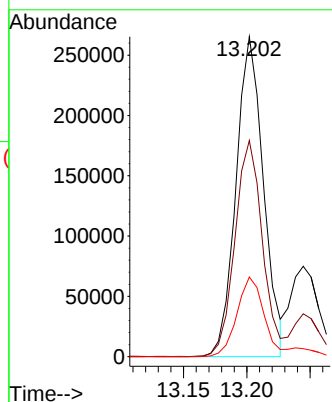
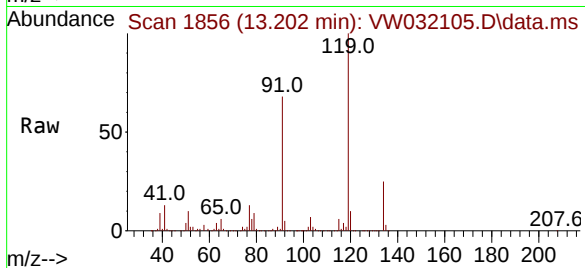
Tgt Ion:119 Resp: 401156

Ion Ratio Lower Upper

119 100

91 67.3 35.3 105.9

134 24.7 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 47.371 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW032105.D

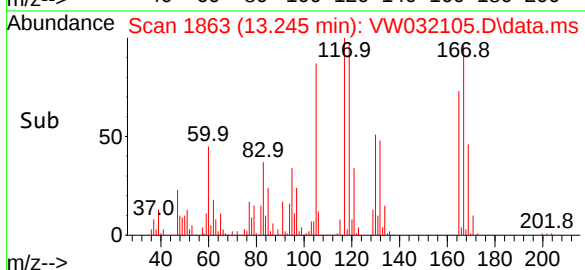
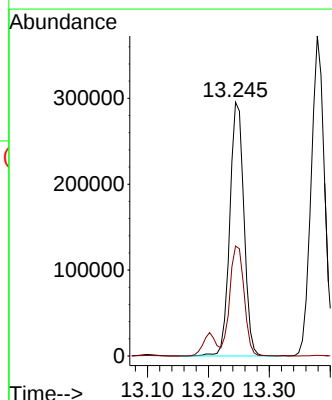
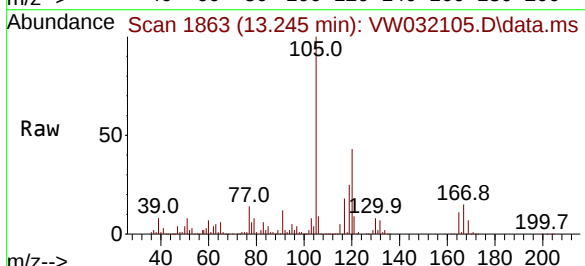
Acq: 14 Aug 2025 19:32

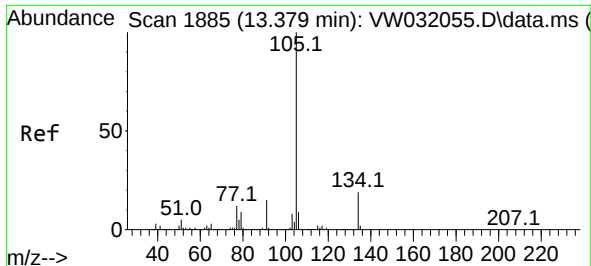
Tgt Ion:105 Resp: 475052

Ion Ratio Lower Upper

105 100

120 43.9 21.6 64.8

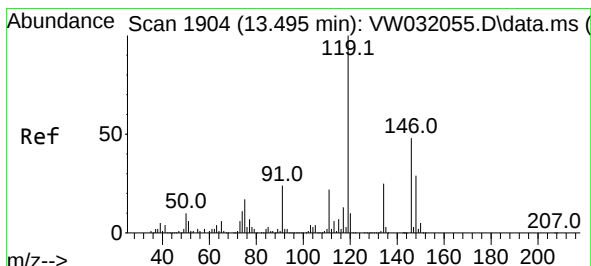
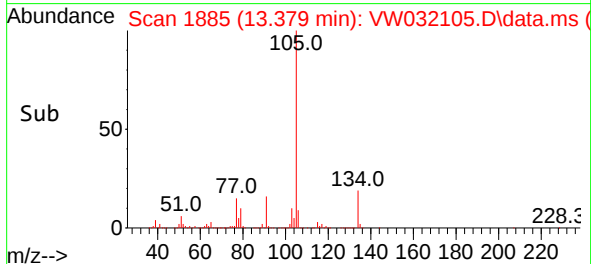
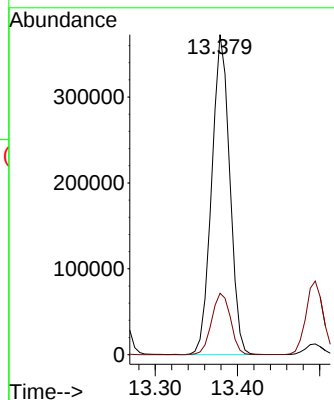
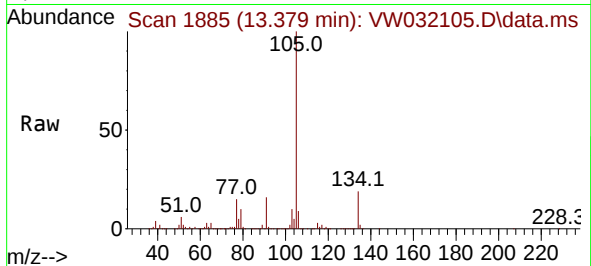




#85
 sec-Butylbenzene
 Concen: 45.955 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

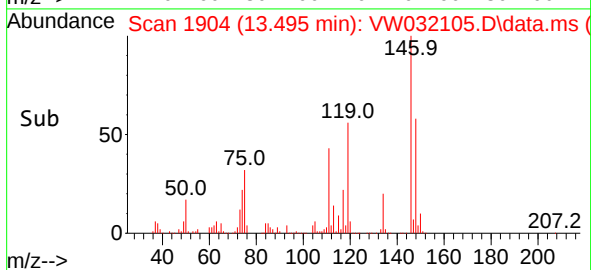
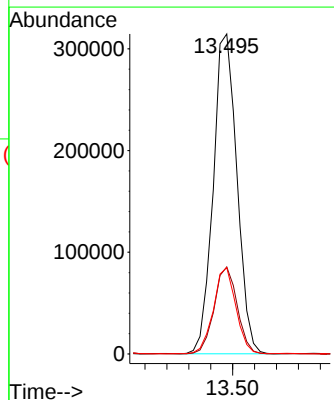
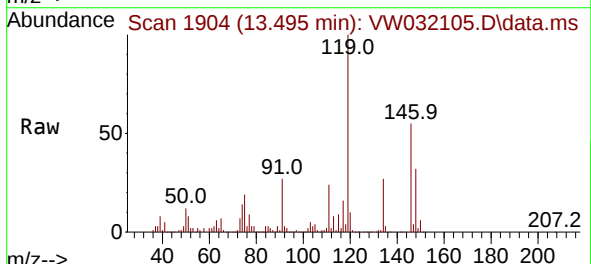
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

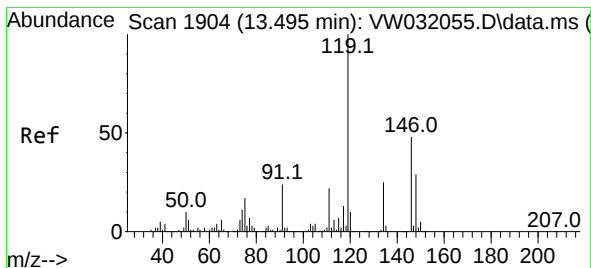
Tgt Ion:105 Resp: 568054
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 45.874 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032105.D
 Acq: 14 Aug 2025 19:32

Tgt Ion:119 Resp: 472729
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.4 37.0
 91 25.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 49.021 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

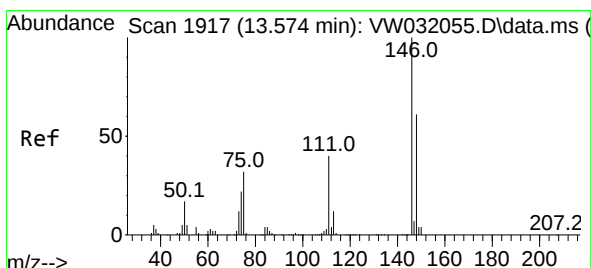
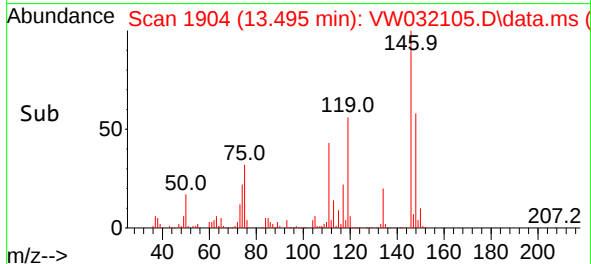
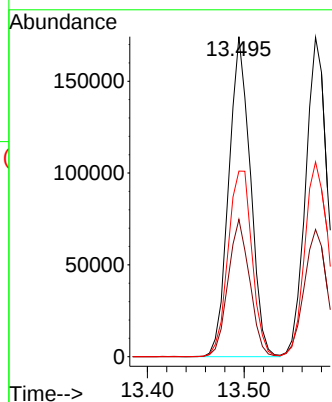
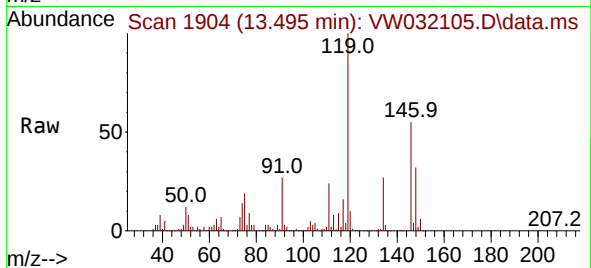
Tgt Ion:146 Resp: 270340

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

148 64.5 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 48.665 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

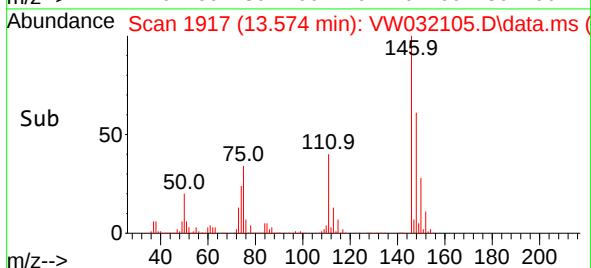
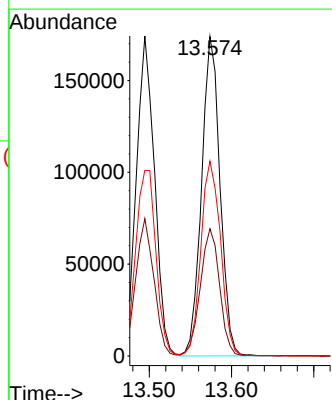
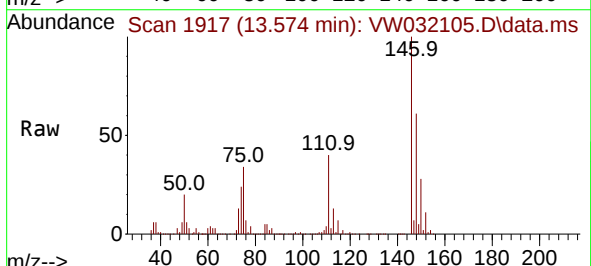
Tgt Ion:146 Resp: 271213

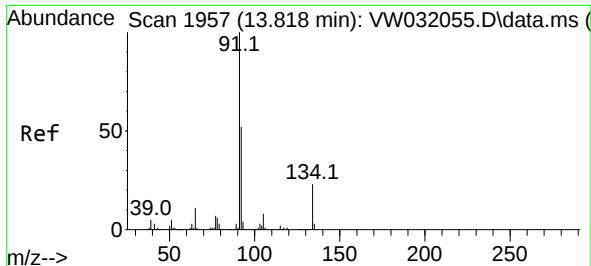
Ion Ratio Lower Upper

146 100

111 41.4 21.6 64.6

148 65.1 32.0 96.2

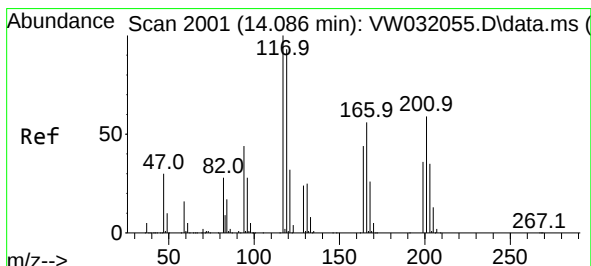
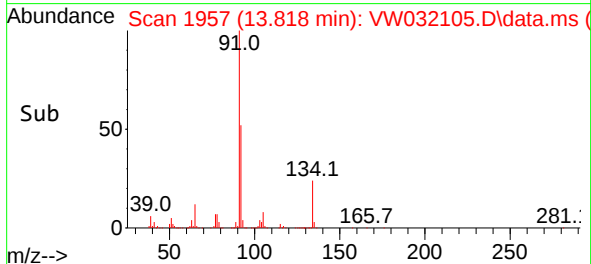
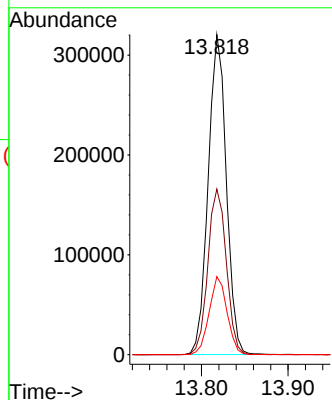
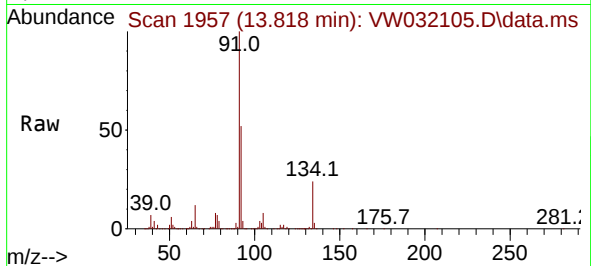




#89
n-Butylbenzene
Concen: 46.594 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

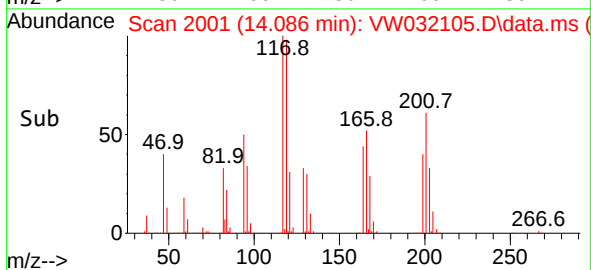
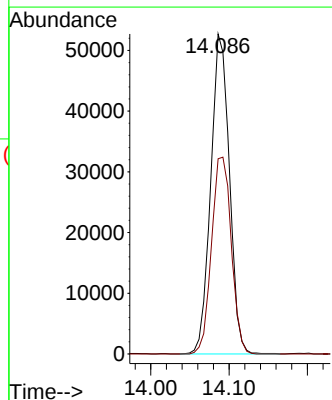
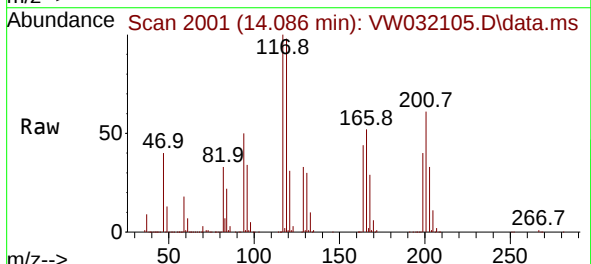
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

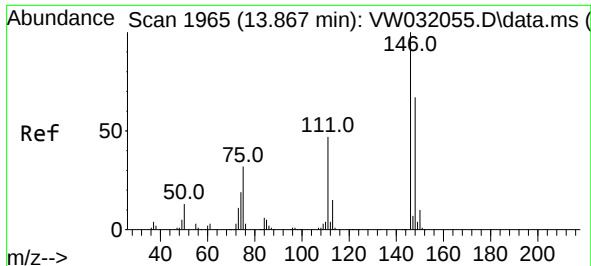
Tgt Ion: 91 Resp: 466468
Ion Ratio Lower Upper
91 100
92 52.7 26.7 80.1
134 24.2 12.0 36.1



#90
Hexachloroethane
Concen: 46.262 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032105.D
Acq: 14 Aug 2025 19:32

Tgt Ion: 117 Resp: 87184
Ion Ratio Lower Upper
117 100
201 65.1 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 48.837 ug/l

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

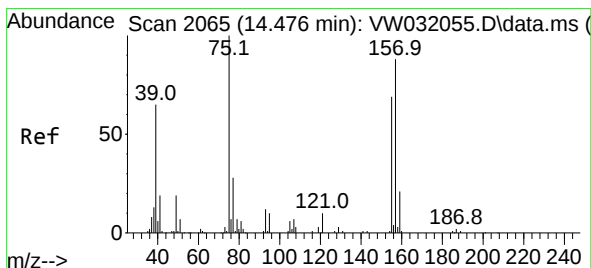
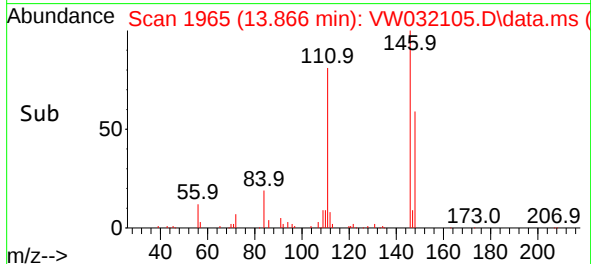
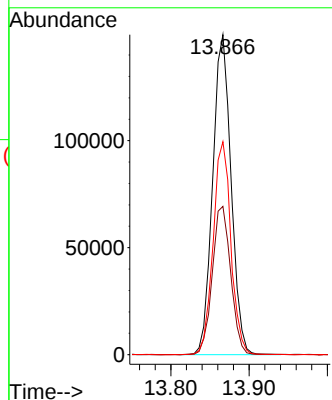
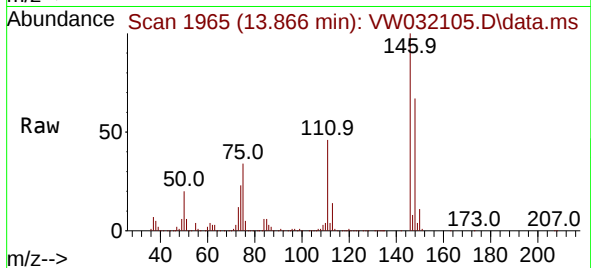
Tgt Ion:146 Resp: 243969

Ion Ratio Lower Upper

146 100

111 46.5 23.1 69.3

148 64.4 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.641 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

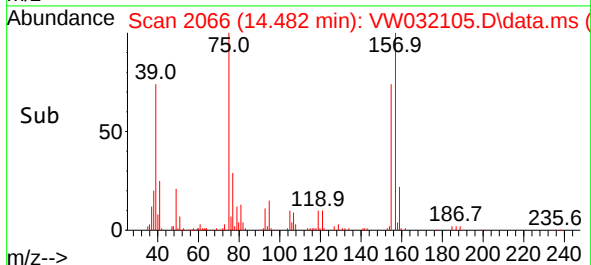
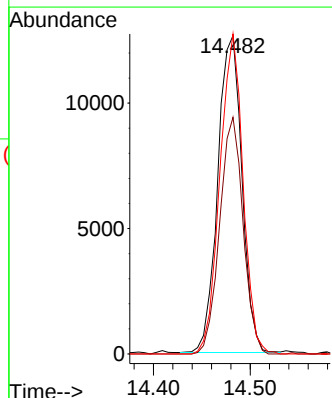
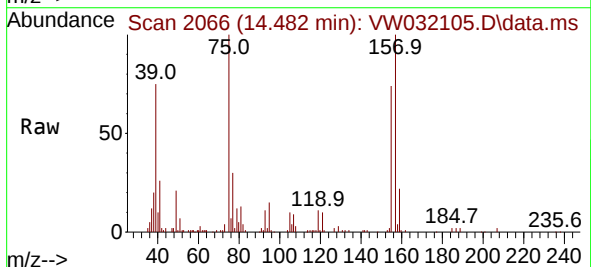
Tgt Ion: 75 Resp: 21865

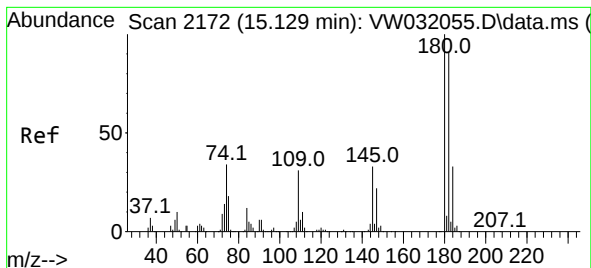
Ion Ratio Lower Upper

75 100

155 72.5 35.2 105.6

157 96.7 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 48.861 ug/l

RT: 15.122 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

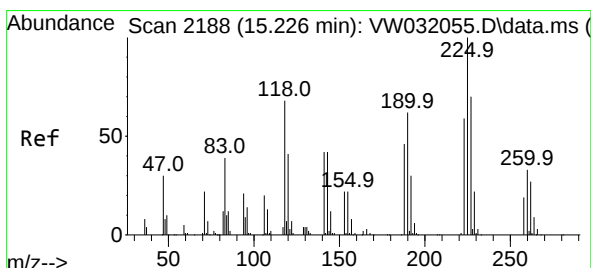
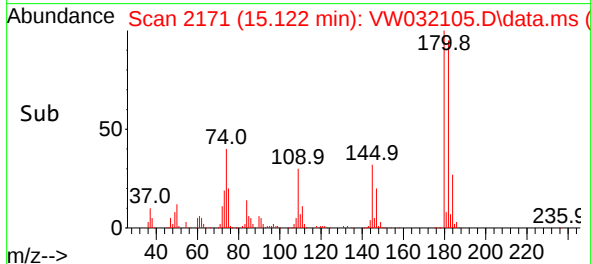
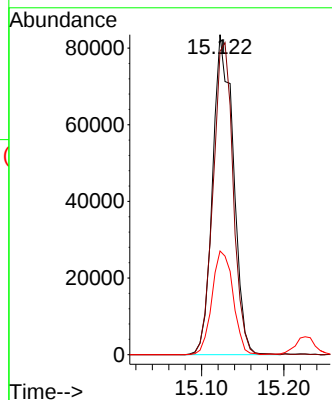
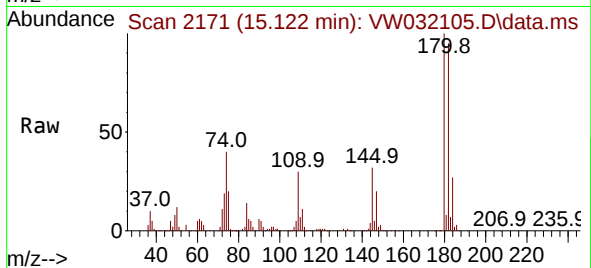
Tgt Ion:180 Resp: 146018

Ion Ratio Lower Upper

180 100

182 94.2 49.0 147.0

145 33.1 17.3 51.9



#94

Hexachlorobutadiene

Concen: 50.817 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

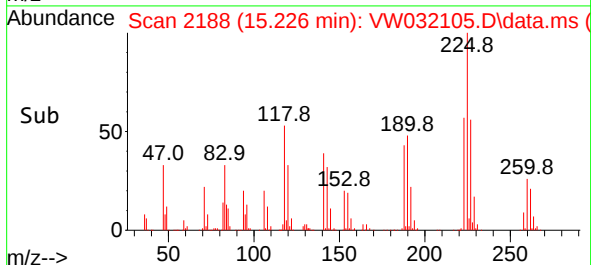
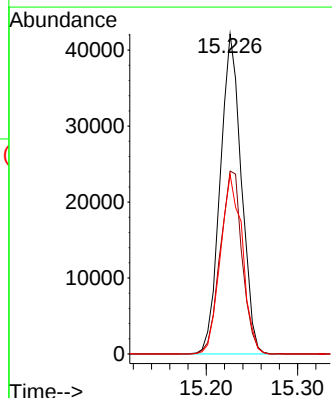
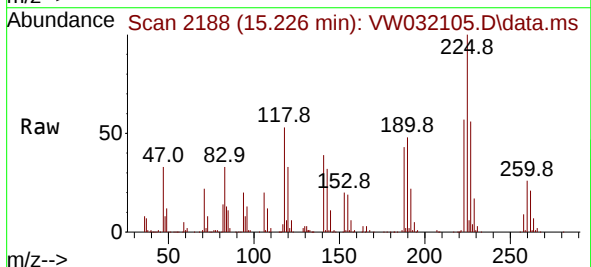
Tgt Ion:225 Resp: 67884

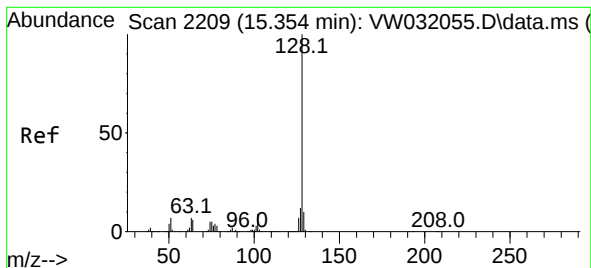
Ion Ratio Lower Upper

225 100

223 59.2 31.8 95.3

227 58.1 33.5 100.5





#95

Naphthalene

Concen: 47.200 ug/l

RT: 15.354 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

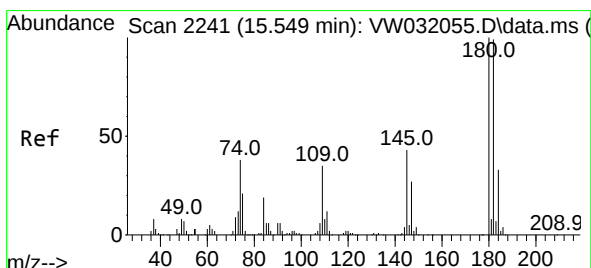
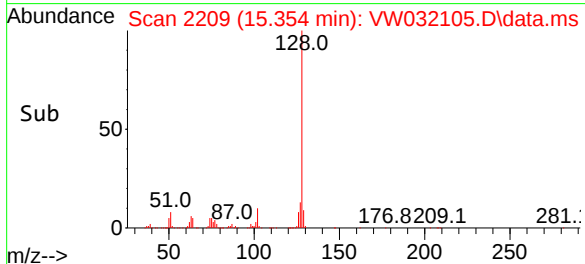
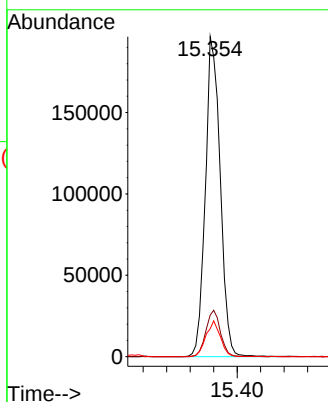
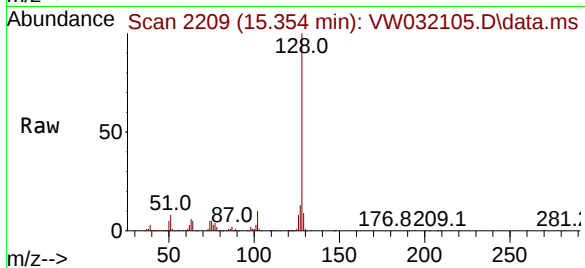
Tgt Ion:128 Resp: 345629

Ion Ratio Lower Upper

128 100

127 14.3 10.5 15.7

129 10.9 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 50.054 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032105.D

Acq: 14 Aug 2025 19:32

Tgt Ion:180 Resp: 136101

Ion Ratio Lower Upper

180 100

182 94.1 46.0 138.0

145 36.0 19.2 57.6

