

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW032002.D
 Acq On : 04 Aug 2025 15:24
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 05 01:20:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	210865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	411619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	375477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	177640	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	162574	50.966	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 101.940%	
35) Dibromofluoromethane	7.898	113	139653	49.929	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.860%	
50) Toluene-d8	10.324	98	506349	47.833	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 95.660%	
62) 4-Bromofluorobenzene	12.617	95	198243	48.771	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 97.540%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.045	85	78662	50.193	ug/l	98
3) Chloromethane	2.259	50	110157	54.763	ug/l	98
4) Vinyl Chloride	2.405	62	128952	49.350	ug/l	99
5) Bromomethane	2.826	94	104463	54.290	ug/l	99
6) Chloroethane	2.966	64	93658	54.308	ug/l	99
7) Trichlorofluoromethane	3.307	101	128247	48.458	ug/l	100
8) Diethyl Ether	3.722	74	94004	53.173	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	134456	52.819	ug/l	98
10) Methyl Iodide	4.313	142	197932	52.004	ug/l	99
11) Tert butyl alcohol	5.228	59	56395	300.768	ug/l	100
12) 1,1-Dichloroethene	4.082	96	145568	51.773	ug/l	97
13) Acrolein	3.929	56	14972	49.545	ug/l	98
14) Allyl chloride	4.709	41	229096	52.341	ug/l	99
15) Acrylonitrile	5.404	53	233800	295.808	ug/l	98
16) Acetone	4.161	43	195270	257.974	ug/l	99
17) Carbon Disulfide	4.423	76	394155	54.053	ug/l	99
18) Methyl Acetate	4.709	43	136825	65.611	ug/l	100
19) Methyl tert-butyl Ether	5.465	73	285227	58.711	ug/l	98
20) Methylene Chloride	4.959	84	167663	51.974	ug/l	97
21) trans-1,2-Dichloroethene	5.459	96	162609	54.508	ug/l	99
22) Diisopropyl ether	6.343	45	487017	55.606	ug/l	99
23) Vinyl Acetate	6.282	43	1599078	279.463	ug/l	98
24) 1,1-Dichloroethane	6.246	63	298659	54.769	ug/l	99
25) 2-Butanone	7.197	43	294187	284.058	ug/l	97
26) 2,2-Dichloropropane	7.185	77	157807	51.117	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	196701	56.086	ug/l	99
28) Bromochloromethane	7.532	49	109656	48.028	ug/l	97
29) Tetrahydrofuran	7.550	42	202700	298.524	ug/l	100
30) Chloroform	7.691	83	316638	55.380	ug/l	96
31) Cyclohexane	7.971	56	246168	50.319	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	230094	52.886	ug/l	99
36) 1,1-Dichloropropene	8.099	75	217478	50.630	ug/l	98
37) Ethyl Acetate	7.276	43	132746	54.174	ug/l	99
38) Carbon Tetrachloride	8.087	117	203826	49.444	ug/l	90
39) Methylcyclohexane	9.343	83	269494	49.854	ug/l	99
40) Benzene	8.337	78	665711	52.355	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	72701	49.564	ug/l	89
42) 1,2-Dichloroethane	8.416	62	214722	52.764	ug/l	99
43) Isopropyl Acetate	8.434	43	240471	54.209	ug/l	99
44) Trichloroethene	9.105	130	159011	52.612	ug/l	94
45) 1,2-Dichloropropane	9.373	63	163908	53.525	ug/l	98
46) Dibromomethane	9.465	93	103944	54.757	ug/l	99
47) Bromodichloromethane	9.654	83	242060	53.178	ug/l	95
48) Methyl methacrylate	9.440	41	116879	55.382	ug/l	98
49) 1,4-Dioxane	9.465	88	22580	1192.087	ug/l #	77
51) 4-Methyl-2-Pentanone	10.215	43	695504	286.490	ug/l	99
52) Toluene	10.391	92	423299	51.787	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	232934	53.347	ug/l	96
54) cis-1,3-Dichloropropene	10.080	75	267688	53.683	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	138694	55.004	ug/l	95
56) Ethyl methacrylate	10.647	69	200814	56.390	ug/l	99
57) 1,3-Dichloropropane	10.934	76	241452	54.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	448842	245.376	ug/l	99
59) 2-Hexanone	10.971	43	477821	283.159	ug/l	100
60) Dibromochloromethane	11.129	129	163699	55.682	ug/l	100
61) 1,2-Dibromoethane	11.239	107	136645	54.843	ug/l	99
64) Tetrachloroethene	10.867	164	125818	50.824	ug/l	91
65) Chlorobenzene	11.659	112	469117	51.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	148536	52.138	ug/l	97
67) Ethyl Benzene	11.733	91	824369	51.057	ug/l	97
68) m/p-Xylenes	11.836	106	618923	101.825	ug/l	98
69) o-Xylene	12.165	106	293833	51.081	ug/l	97
70) Styrene	12.178	104	518864	52.978	ug/l	99
71) Bromoform	12.348	173	87472	56.142	ug/l #	100
73) Isopropylbenzene	12.464	105	759756	49.293	ug/l	98
74) N-amyl acetate	12.269	43	220001	52.797	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	171757	52.499	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	217427	88.652	ug/l #	100
77) Bromobenzene	12.745	156	177897	53.344	ug/l	90
78) n-propylbenzene	12.799	91	926422	48.939	ug/l	99
79) 2-Chlorotoluene	12.891	91	558833	49.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	642679	49.717	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	55119	51.886	ug/l	96
82) 4-Chlorotoluene	12.988	91	578985	48.829	ug/l	100
83) tert-Butylbenzene	13.202	119	536042	48.682	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	634587	48.501	ug/l	96
85) sec-Butylbenzene	13.379	105	791591	47.871	ug/l	98
86) p-Isopropyltoluene	13.494	119	661739	48.416	ug/l	98
87) 1,3-Dichlorobenzene	13.501	146	313676	45.186	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	339595	49.938	ug/l	99
89) n-Butylbenzene	13.818	91	653516	48.742	ug/l	99
90) Hexachloroethane	14.092	117	113537	48.040	ug/l	94
91) 1,2-Dichlorobenzene	13.866	146	316158	51.389	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30503	51.606	ug/l	99
93) 1,2,4-Trichlorobenzene	15.122	180	183993	49.590	ug/l	98
94) Hexachlorobutadiene	15.226	225	83998	47.777	ug/l	100
95) Naphthalene	15.360	128	480952	52.726	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	172358	51.272	ug/l	92

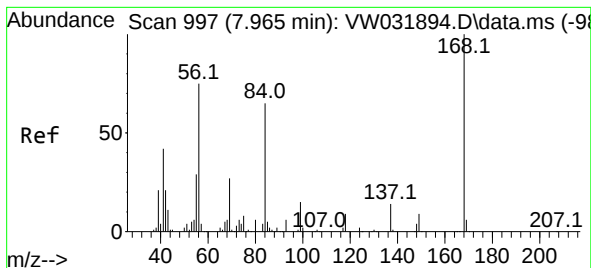
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

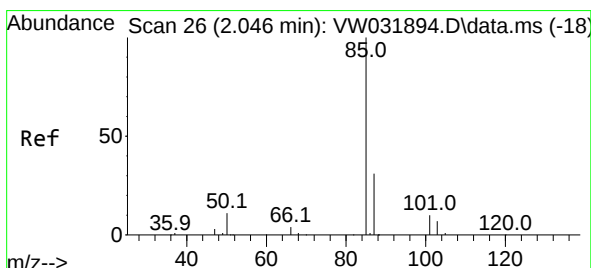
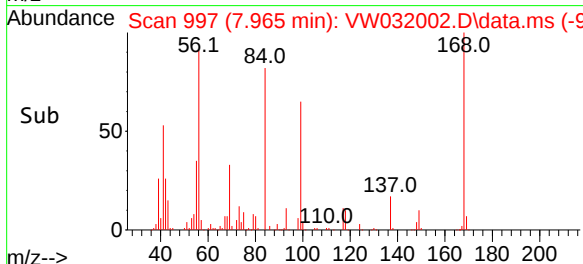
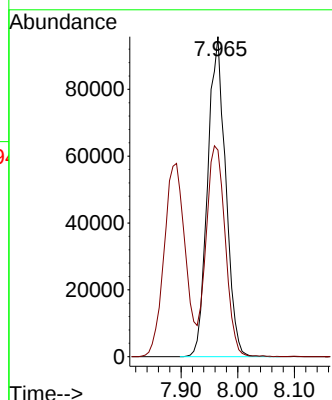
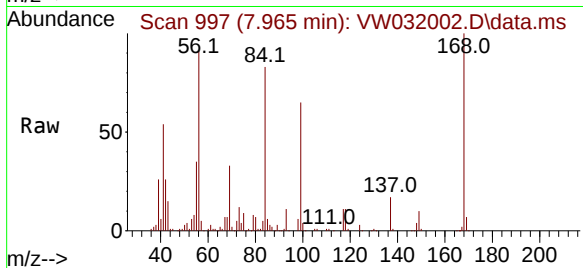
VSTDCCC050EC

Tgt Ion:168 Resp: 210865

Ion Ratio Lower Upper

168 100

99 64.5 48.2 72.2



#2

Dichlorodifluoromethane

Concen: 50.193 ug/l

RT: 2.045 min Scan# 26

Delta R.T. -0.000 min

Lab File: VW032002.D

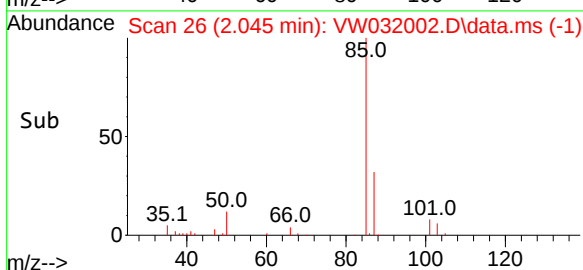
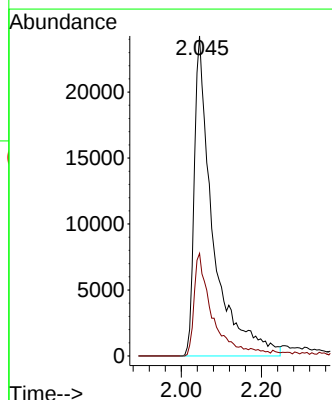
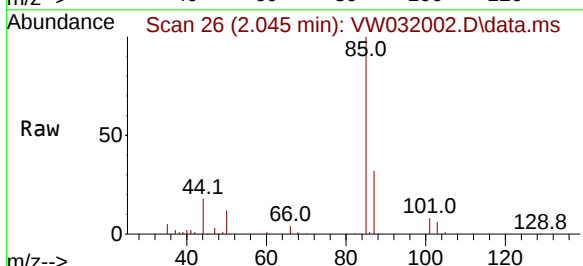
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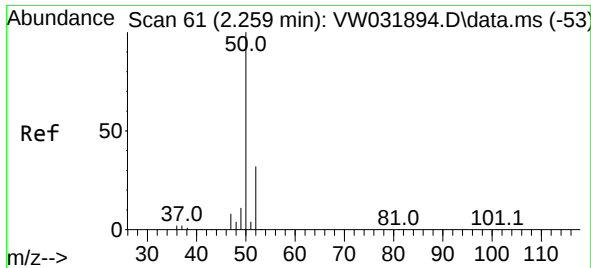
Tgt Ion: 85 Resp: 78662

Ion Ratio Lower Upper

85 100

87 32.0 15.5 46.5

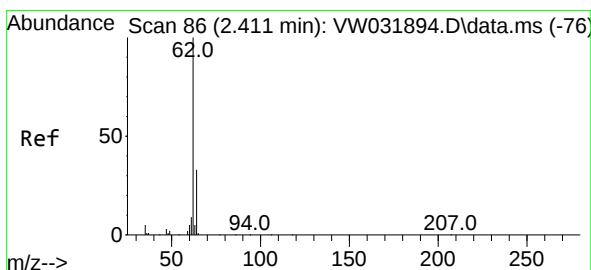
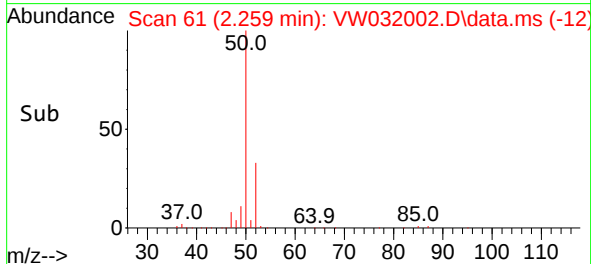
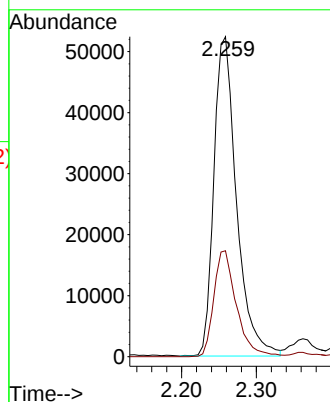
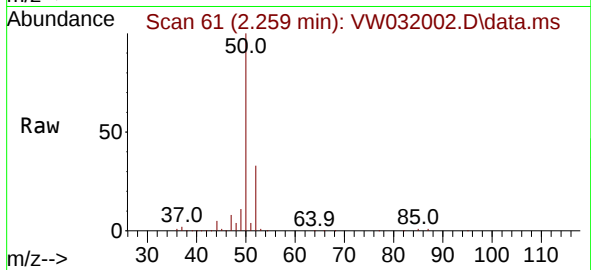




#3
Chloromethane
Concen: 54.763 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

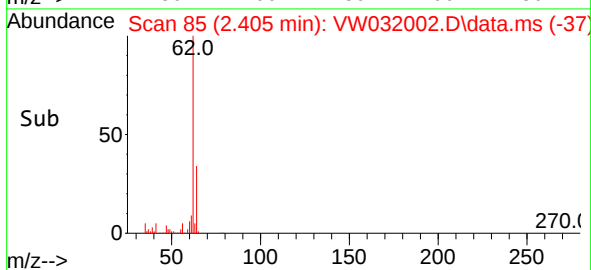
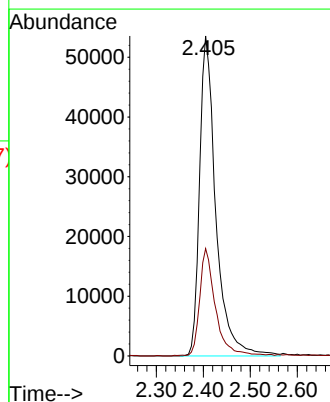
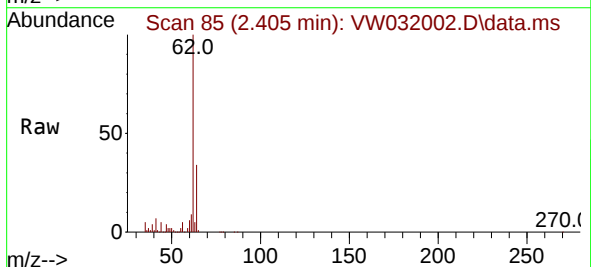
Instrument :
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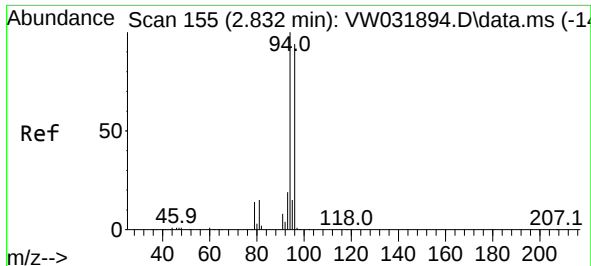
Tgt Ion: 50 Resp: 110157
Ion Ratio Lower Upper
50 100
52 33.2 25.7 38.5



#4
Vinyl Chloride
Concen: 49.350 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 62 Resp: 128952
Ion Ratio Lower Upper
62 100
64 33.3 26.2 39.2

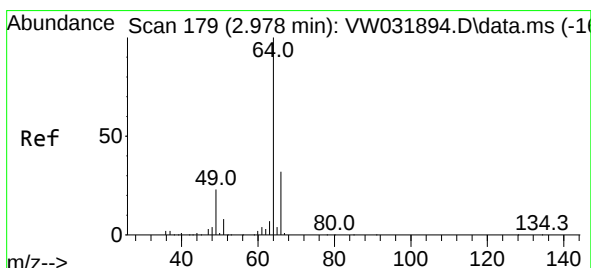
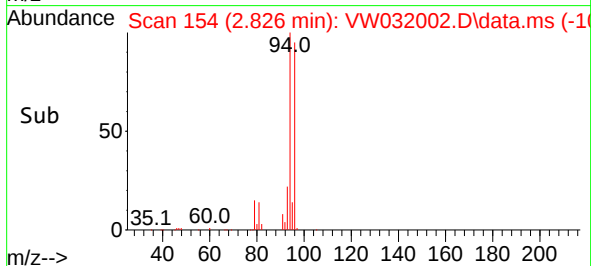
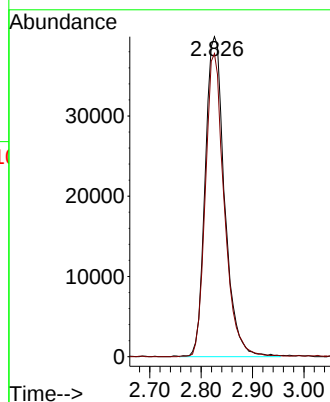
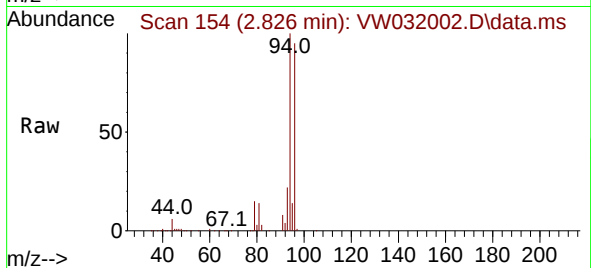




#5
Bromomethane
Concen: 54.290 ug/l
RT: 2.826 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

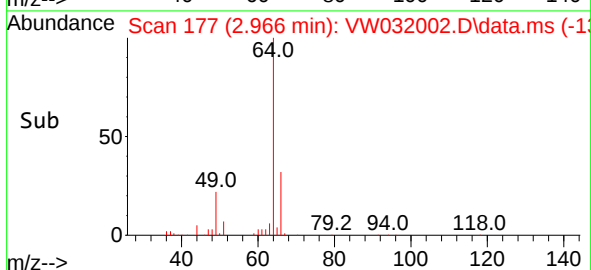
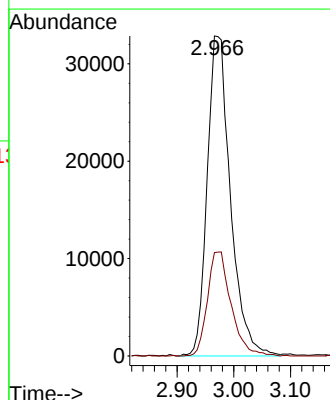
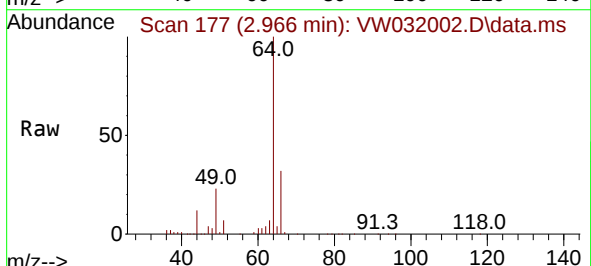
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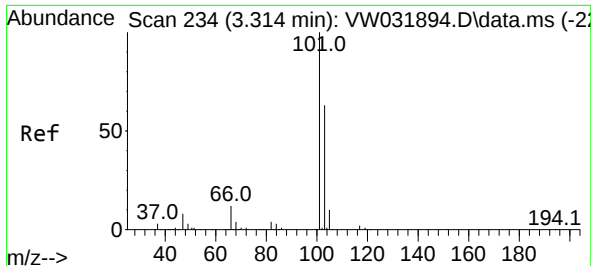
Tgt Ion: 94 Resp: 104463
Ion Ratio Lower Upper
94 100
96 94.5 75.0 112.6



#6
Chloroethane
Concen: 54.308 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 64 Resp: 93658
Ion Ratio Lower Upper
64 100
66 32.3 25.6 38.4

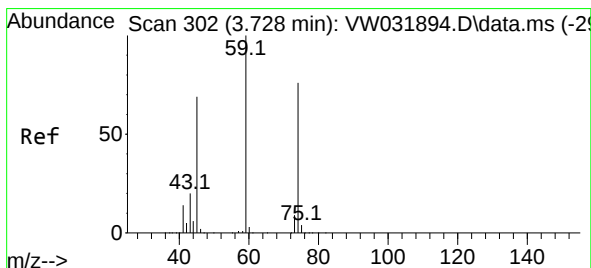
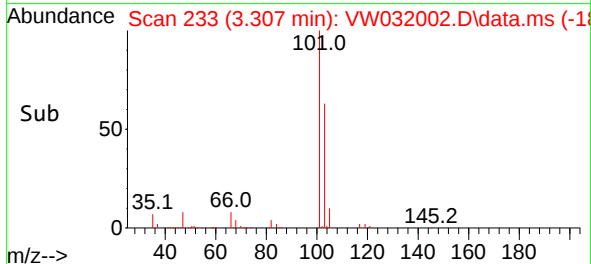
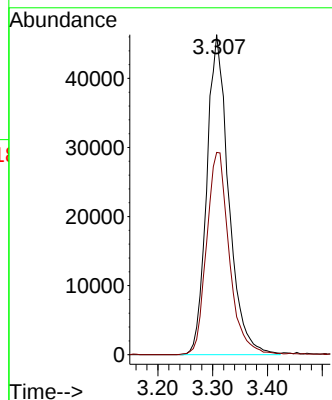
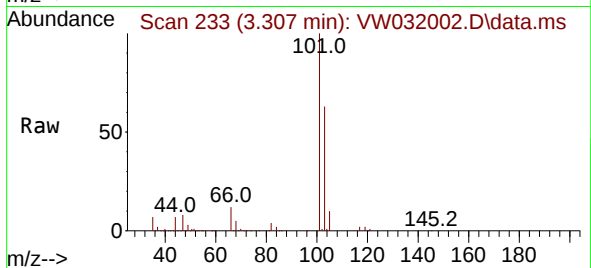




#7
Trichlorofluoromethane
Concen: 48.458 ug/l
RT: 3.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

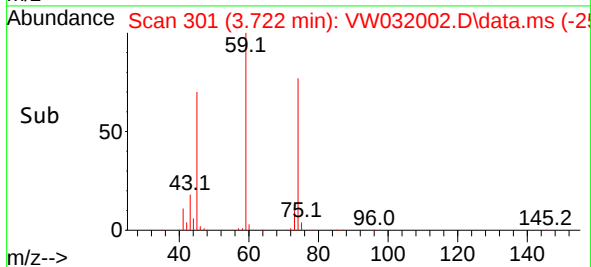
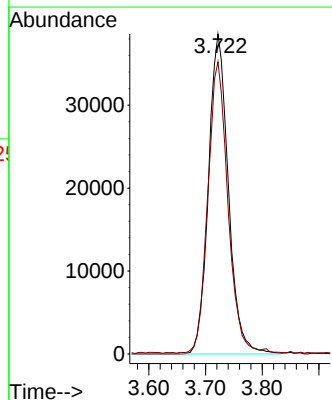
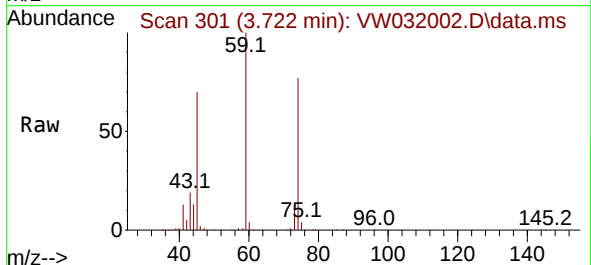
Instrument :
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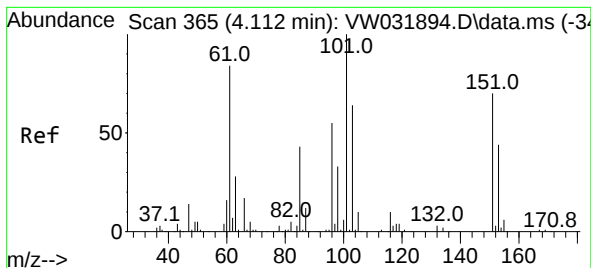
Tgt Ion:101 Resp: 128247
Ion Ratio Lower Upper
101 100
103 63.1 50.7 76.1



#8
Diethyl Ether
Concen: 53.173 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 74 Resp: 94004
Ion Ratio Lower Upper
74 100
45 91.9 45.5 136.5

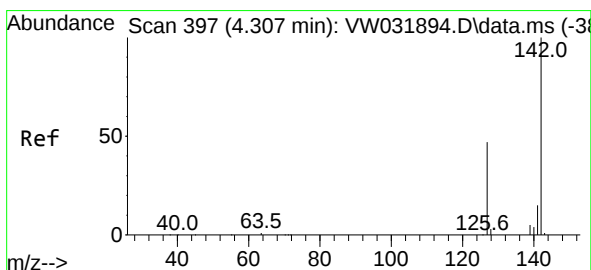
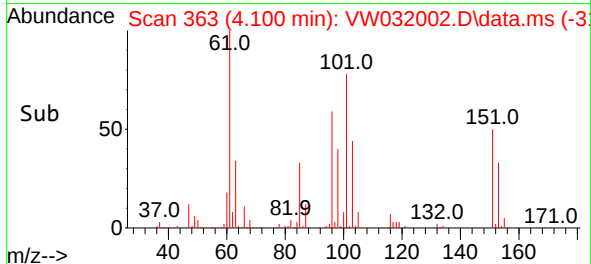
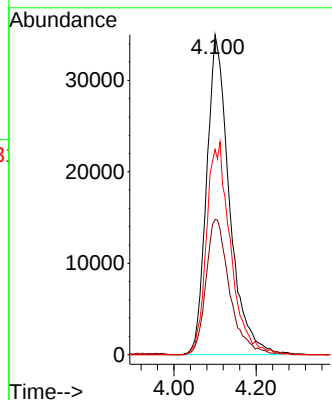
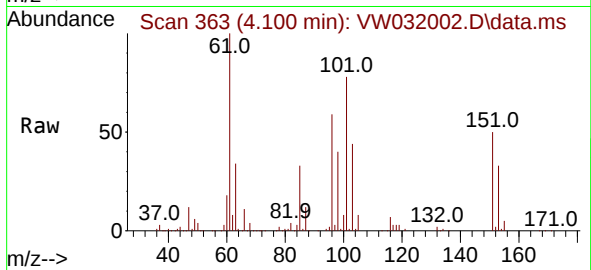




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.819 ug/l
 RT: 4.100 min Scan# 363
 Delta R.T. -0.012 min
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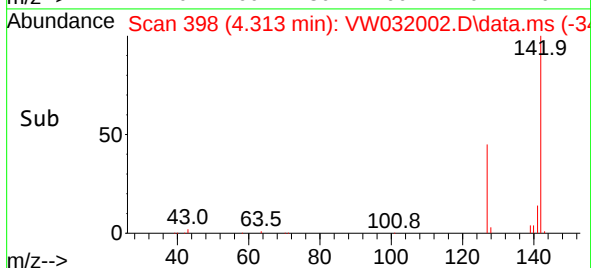
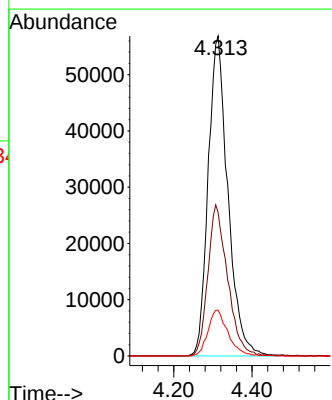
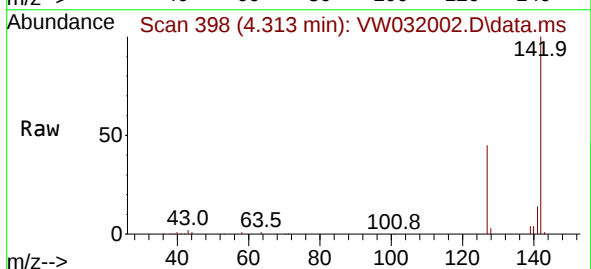
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

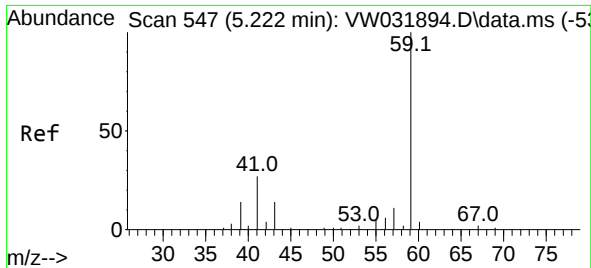
Tgt Ion:101 Resp: 134456
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.5 53.3
 151 70.0 54.6 81.8



#10
 Methyl Iodide
 Concen: 52.004 ug/l
 RT: 4.313 min Scan# 398
 Delta R.T. 0.006 min
 Lab File: VW032002.D
 Acq: 04 Aug 2025 15:24

Tgt Ion:142 Resp: 197932
 Ion Ratio Lower Upper
 142 100
 127 47.2 37.4 56.2
 141 14.6 11.9 17.9

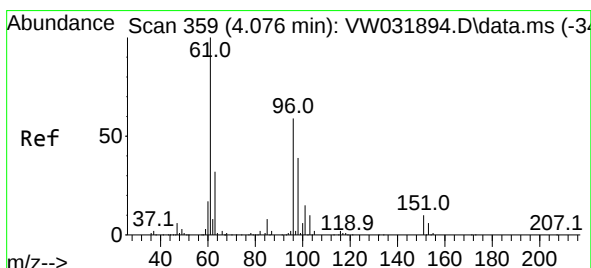
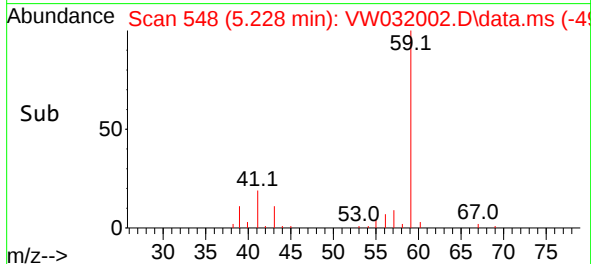
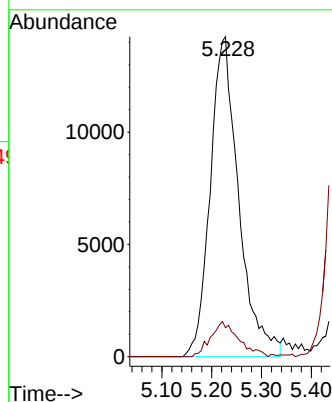
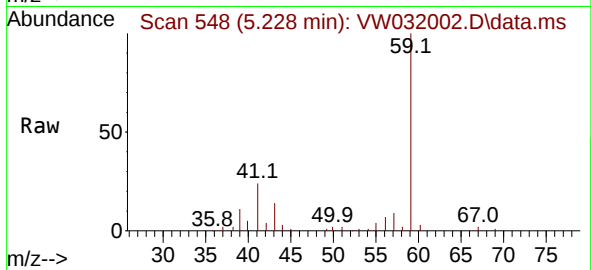




#11
Tert butyl alcohol
Concen: 300.768 ug/l
RT: 5.228 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

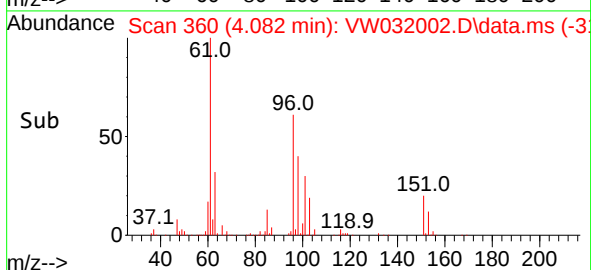
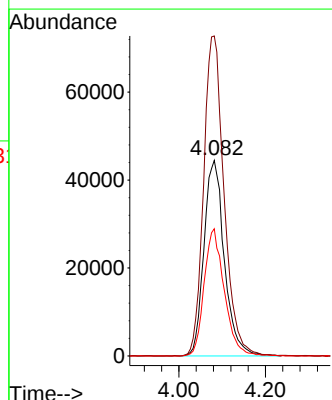
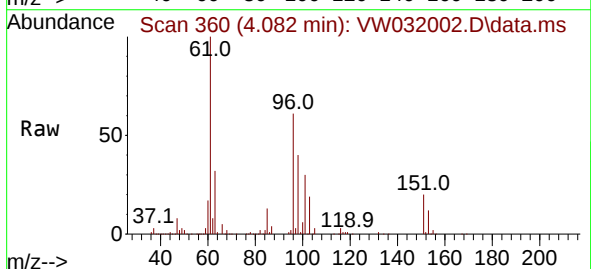
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

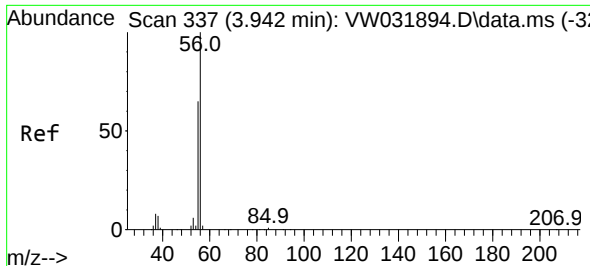
Tgt Ion: 59 Resp: 56395
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8



#12
1,1-Dichloroethene
Concen: 51.773 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 96 Resp: 145568
Ion Ratio Lower Upper
96 100
61 163.6 135.0 202.6
98 65.1 52.3 78.5

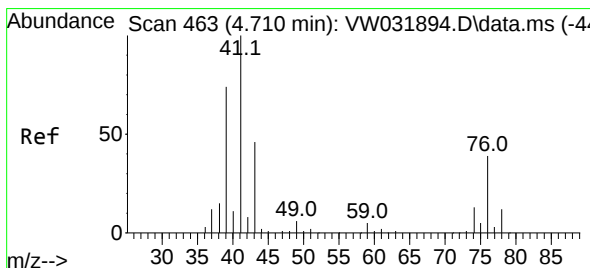
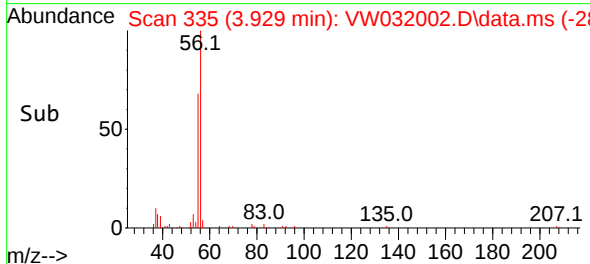
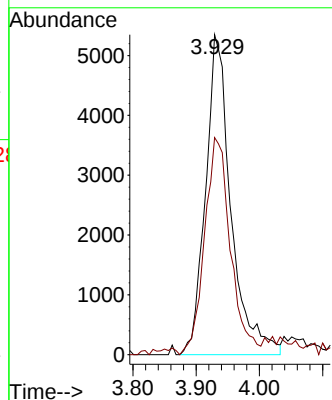
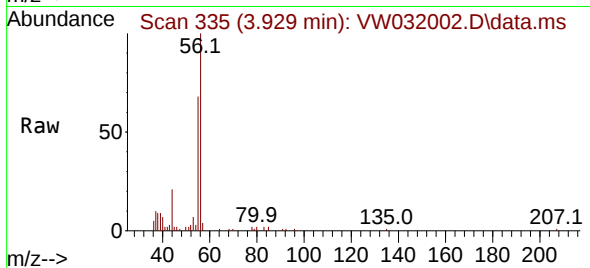




#13
Acrolein
Concen: 49.545 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.013 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

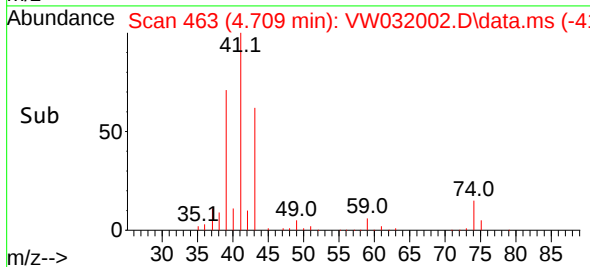
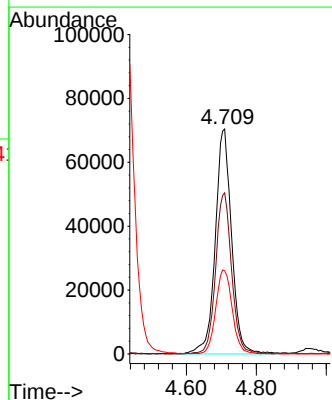
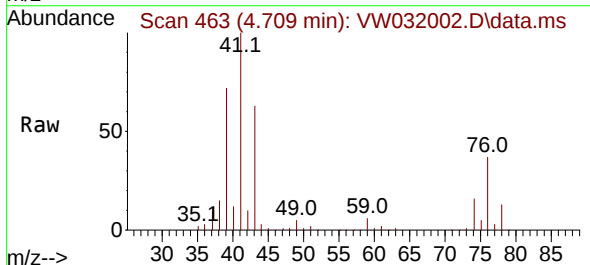
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

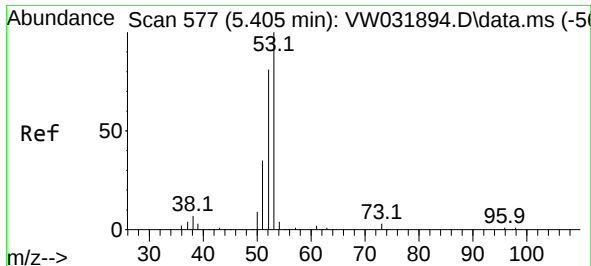
Tgt Ion: 56 Resp: 14972
Ion Ratio Lower Upper
56 100
55 68.9 56.7 85.1



#14
Allyl chloride
Concen: 52.341 ug/l
RT: 4.709 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 41 Resp: 229096
Ion Ratio Lower Upper
41 100
39 69.7 56.6 85.0
76 37.1 30.1 45.1

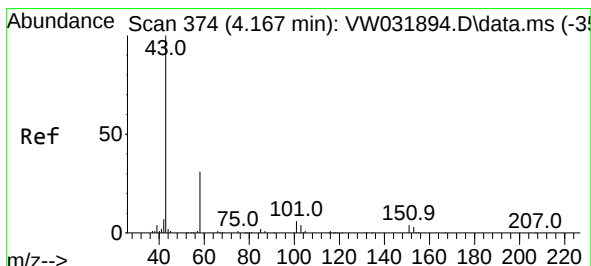
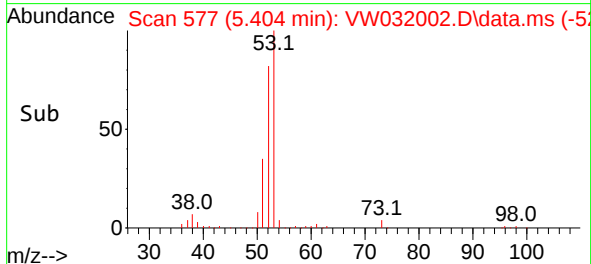
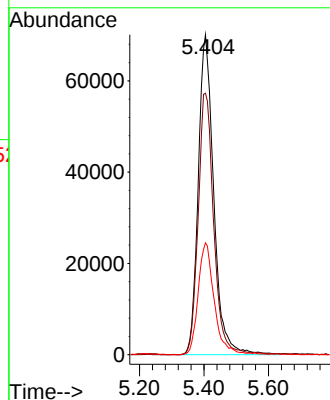
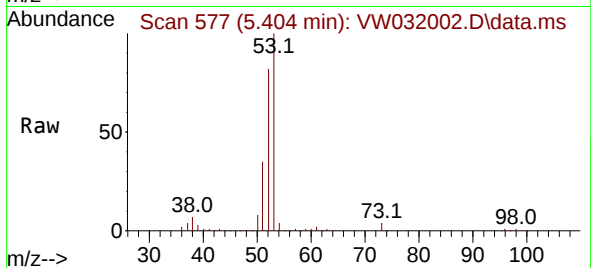




#15
Acrylonitrile
Concen: 295.808 ug/l
RT: 5.404 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

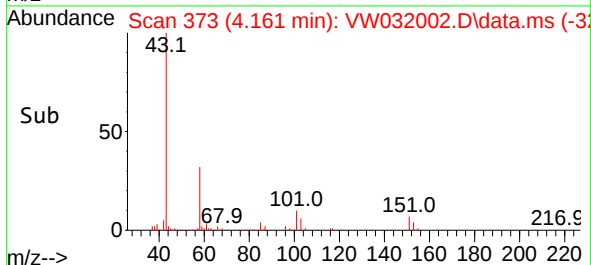
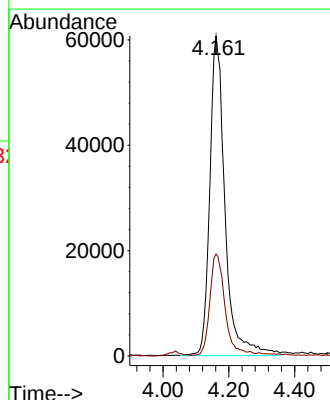
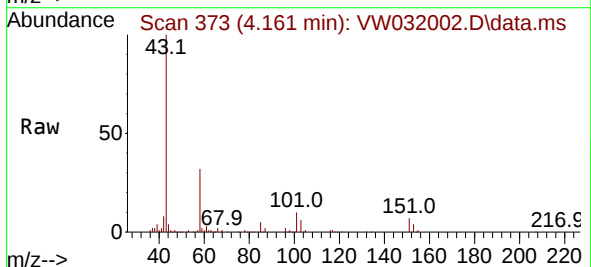
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

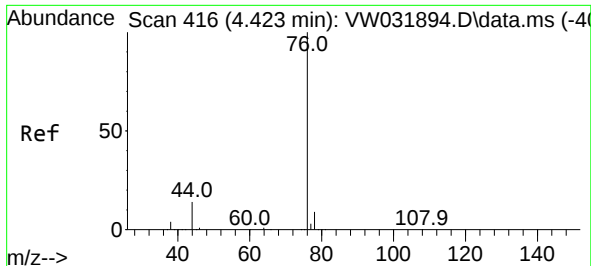
Tgt Ion: 53 Resp: 233800
Ion Ratio Lower Upper
53 100
52 81.9 67.0 100.4
51 36.2 29.9 44.9



#16
Acetone
Concen: 257.974 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 195270
Ion Ratio Lower Upper
43 100
58 31.3 25.5 38.3

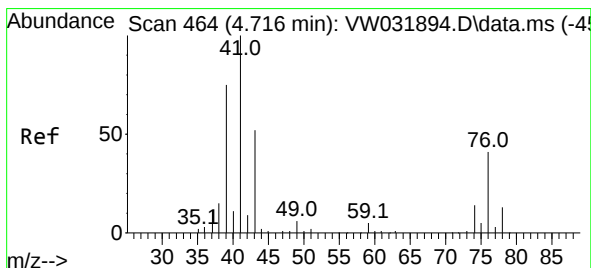
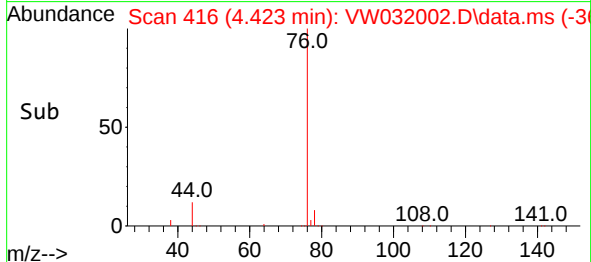
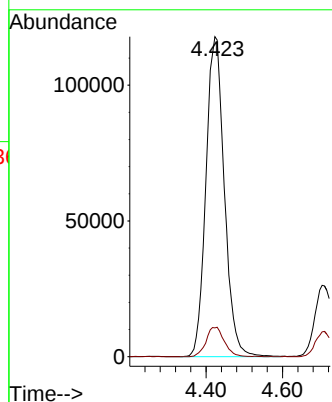
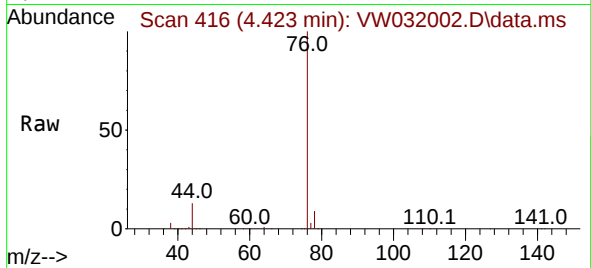




#17
Carbon Disulfide
Concen: 54.053 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

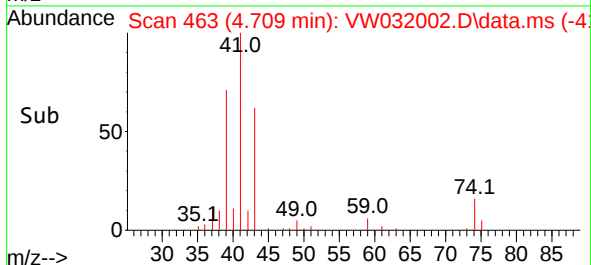
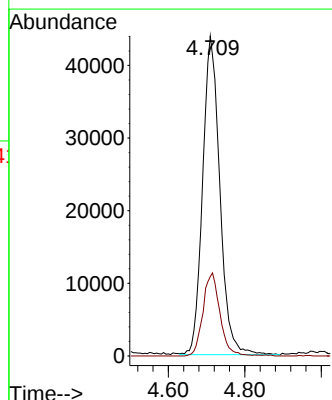
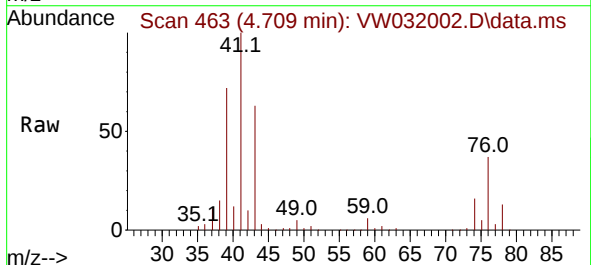
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

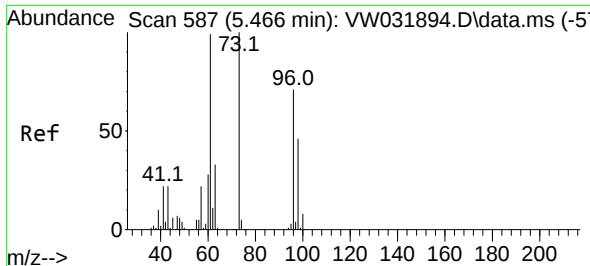
Tgt Ion: 76 Resp: 394155
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 65.611 ug/l
RT: 4.709 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 136825
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0

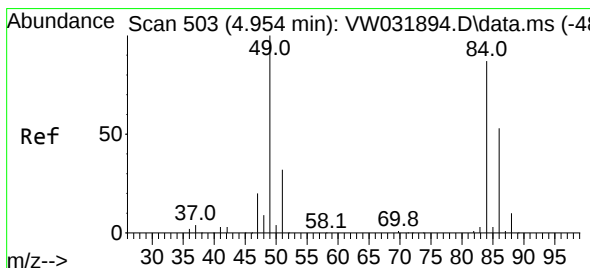
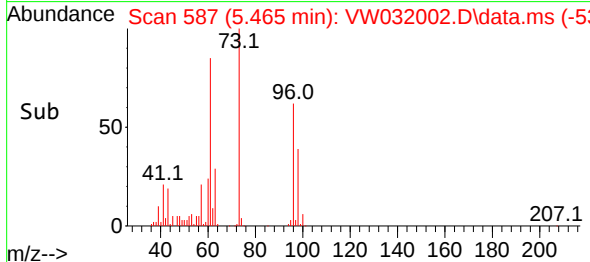
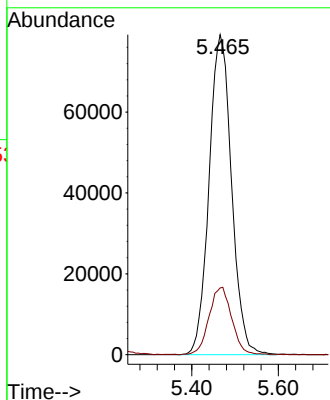
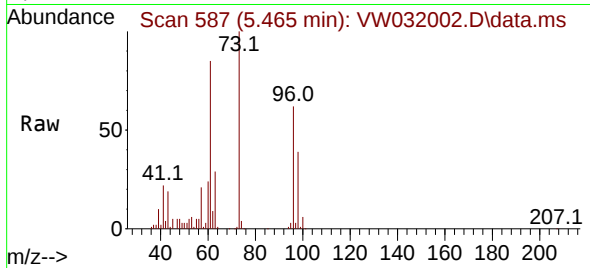




#19
Methyl tert-butyl Ether
Concen: 58.711 ug/l
RT: 5.465 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

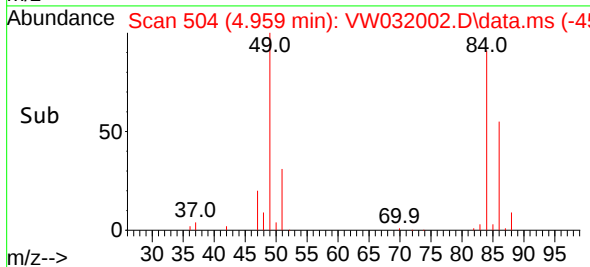
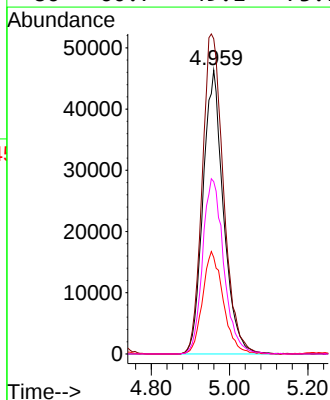
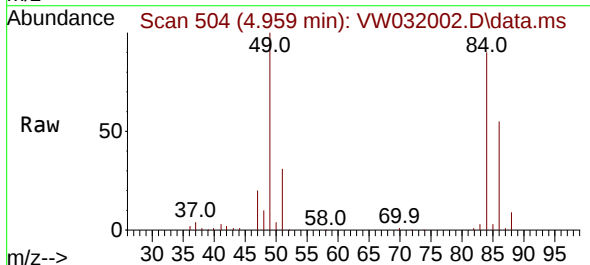
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

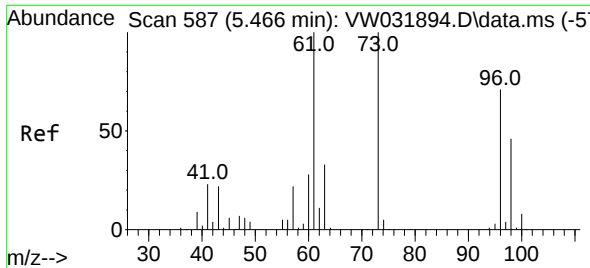
Tgt Ion: 73 Resp: 285227
Ion Ratio Lower Upper
73 100
57 20.9 17.5 26.3



#20
Methylene Chloride
Concen: 51.974 ug/l
RT: 4.959 min Scan# 504
Delta R.T. 0.005 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 84 Resp: 167663
Ion Ratio Lower Upper
84 100
49 111.0 91.9 137.9
51 34.1 29.0 43.6
86 60.7 49.1 73.7

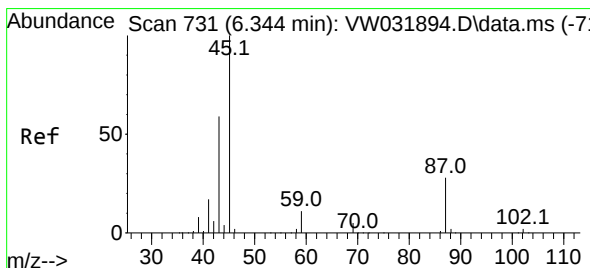
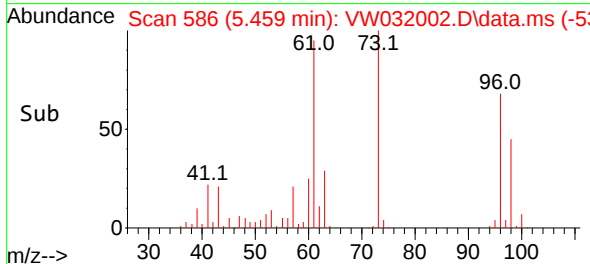
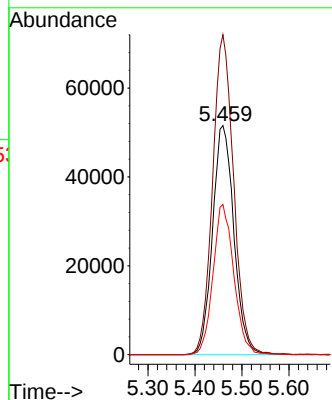
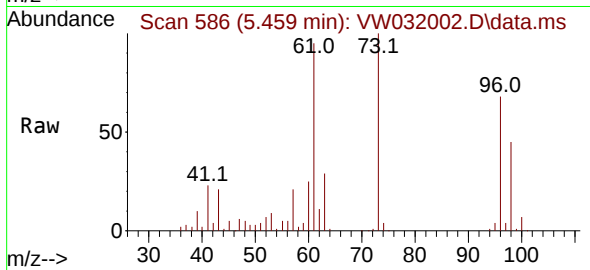




#21
trans-1,2-Dichloroethene
Concen: 54.508 ug/l
RT: 5.459 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

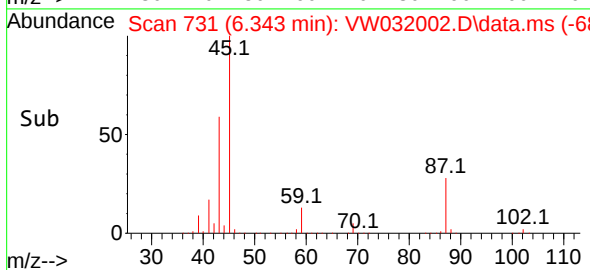
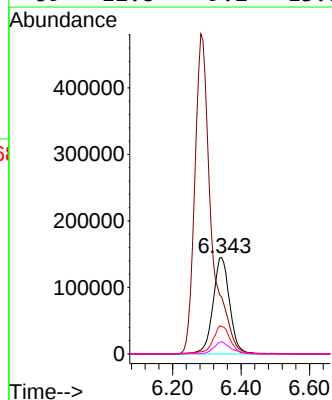
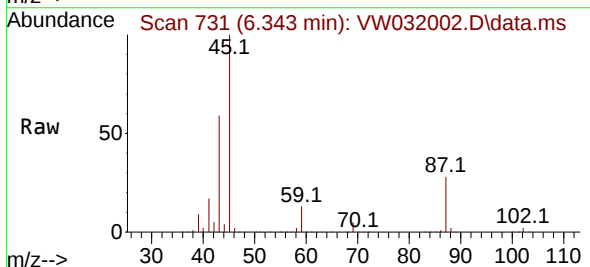
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

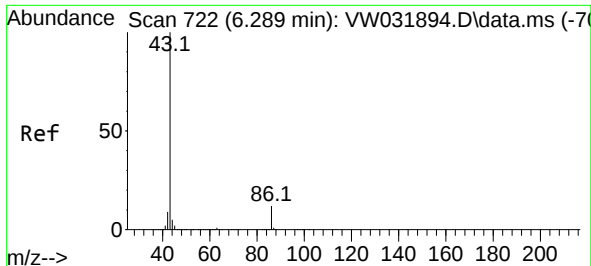
Tgt Ion: 96 Resp: 162609
Ion Ratio Lower Upper
96 100
61 139.6 112.8 169.2
98 65.6 51.9 77.9



#22
Diisopropyl ether
Concen: 55.606 ug/l
RT: 6.343 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 45 Resp: 487017
Ion Ratio Lower Upper
45 100
43 58.6 47.0 70.6
87 28.3 22.8 34.2
59 12.8 9.2 13.8

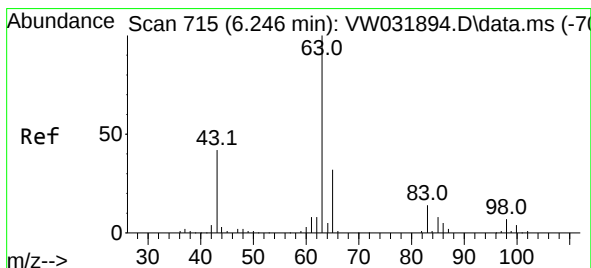
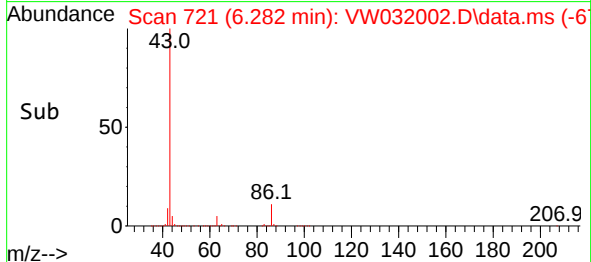
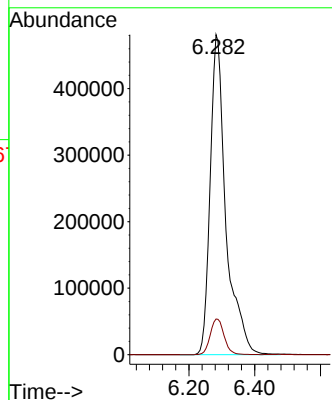
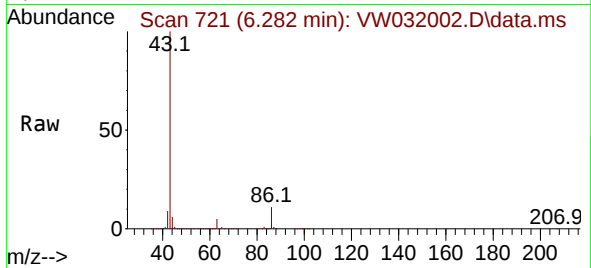




#23
 Vinyl Acetate
 Concen: 279.463 ug/l
 RT: 6.282 min Scan# 721
 Delta R.T. -0.006 min
 Lab File: VW032002.D
 Acq: 04 Aug 2025 15:24

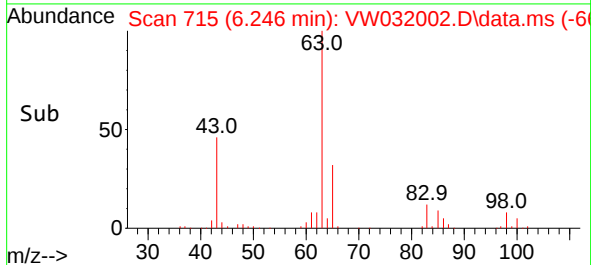
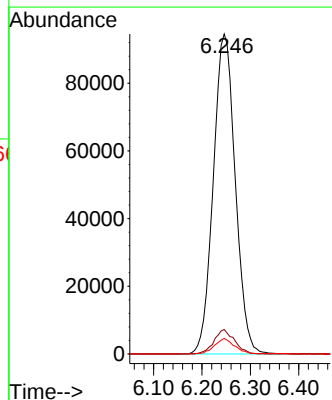
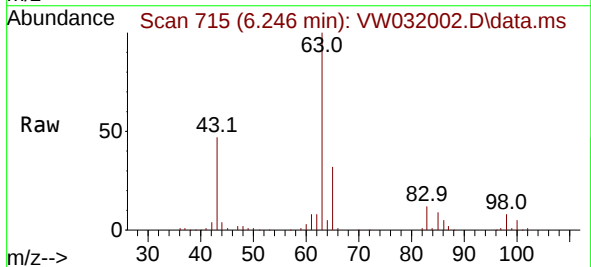
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

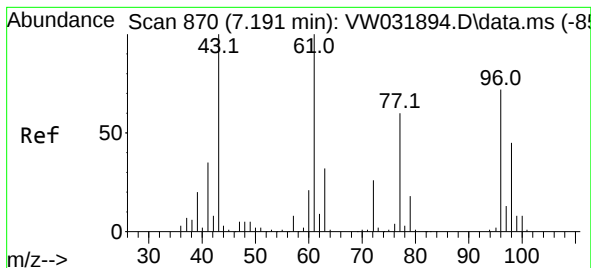
Tgt Ion: 43 Resp: 1599078
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.4 14.2



#24
 1,1-Dichloroethane
 Concen: 54.769 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VW032002.D
 Acq: 04 Aug 2025 15:24

Tgt Ion: 63 Resp: 298659
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.6 10.9
 100 4.8 2.2 6.6





#25

2-Butanone

Concen: 284.058 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

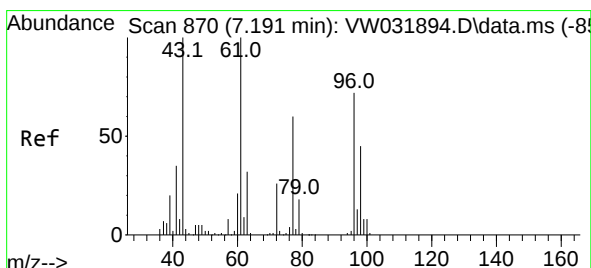
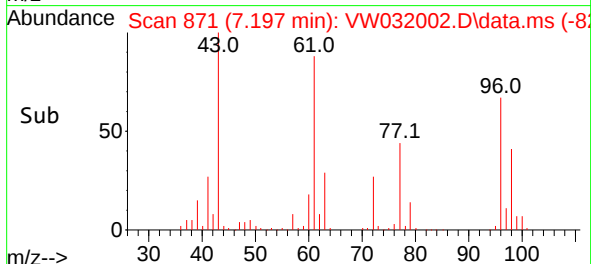
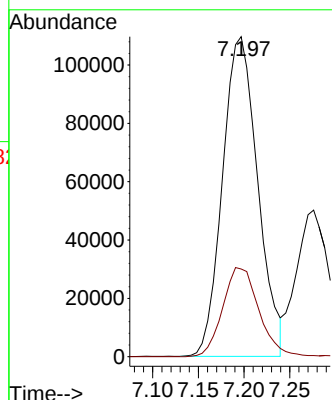
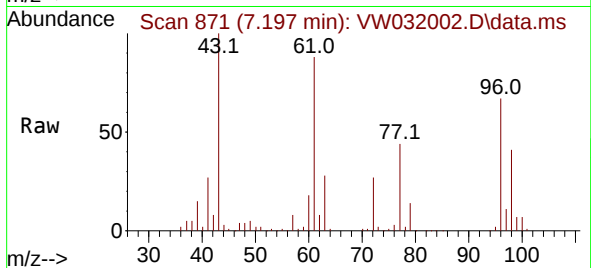
VSTDCCC050EC

Tgt Ion: 43 Resp: 294187

Ion Ratio Lower Upper

43 100

72 27.4 20.8 31.2



#26

2,2-Dichloropropane

Concen: 51.117 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.006 min

Lab File: VW032002.D

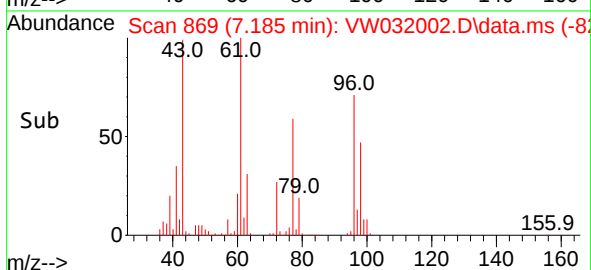
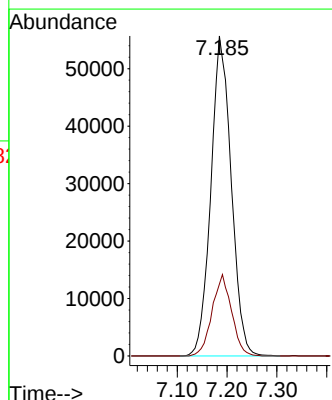
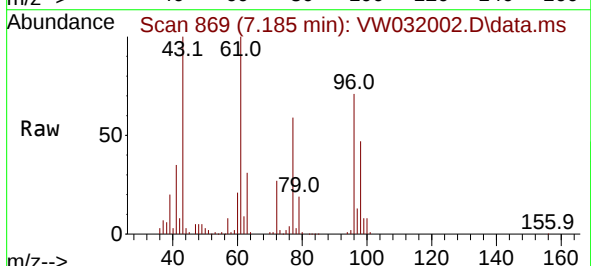
Acq: 04 Aug 2025 15:24

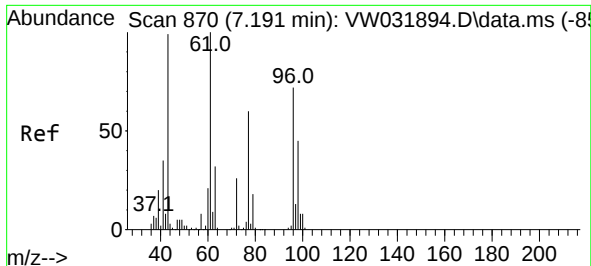
Tgt Ion: 77 Resp: 157807

Ion Ratio Lower Upper

77 100

97 24.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 56.086 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

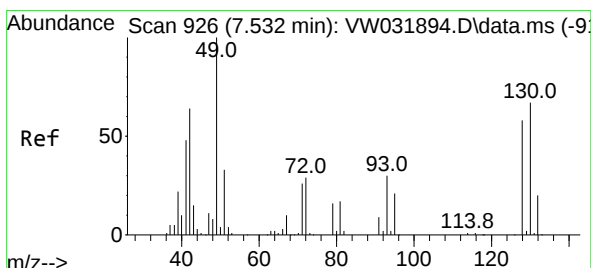
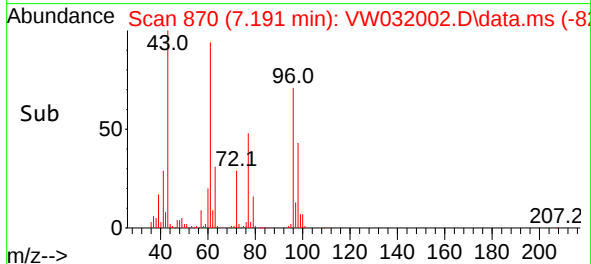
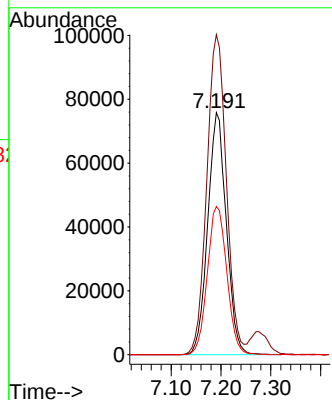
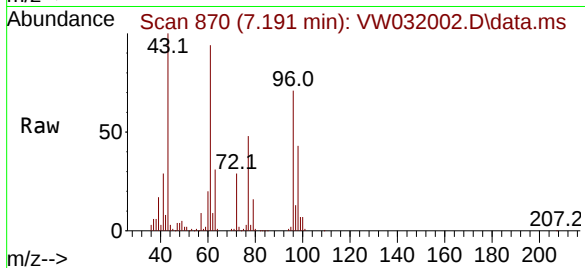
Tgt Ion: 96 Resp: 196701

Ion Ratio Lower Upper

96 100

61 138.6 0.0 280.2

98 64.1 0.0 126.8



#28

Bromochloromethane

Concen: 48.028 ug/l

RT: 7.532 min Scan# 926

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

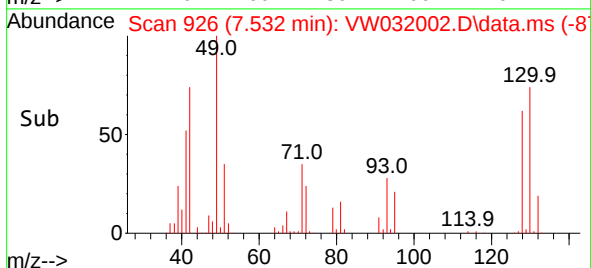
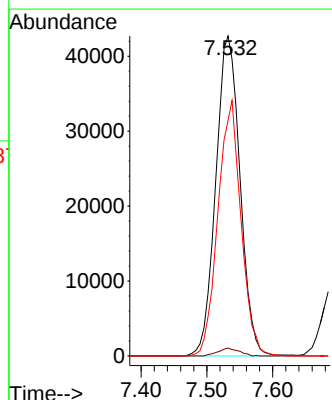
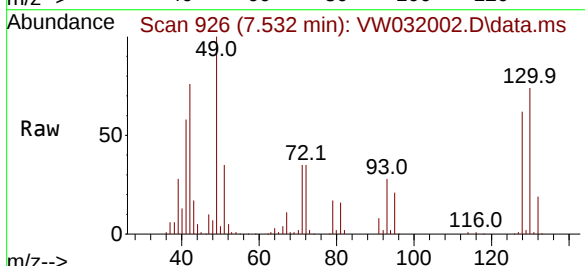
Tgt Ion: 49 Resp: 109656

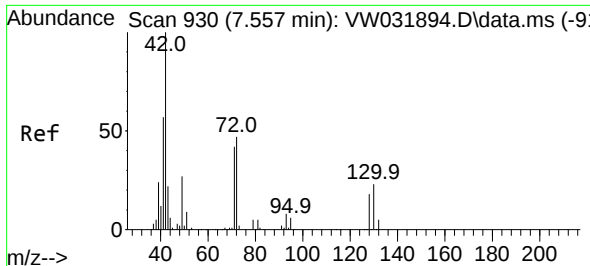
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 76.0 59.0 88.4





#29

Tetrahydrofuran

Concen: 298.524 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

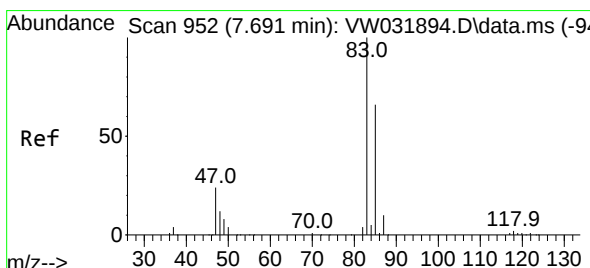
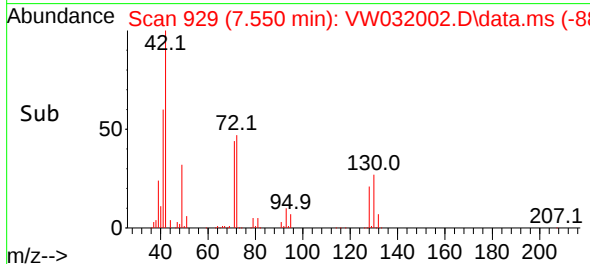
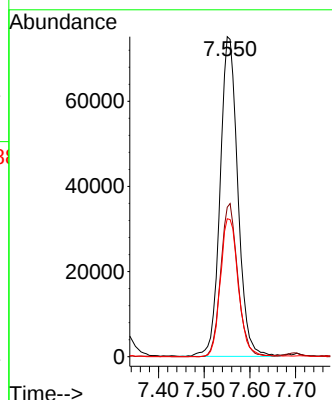
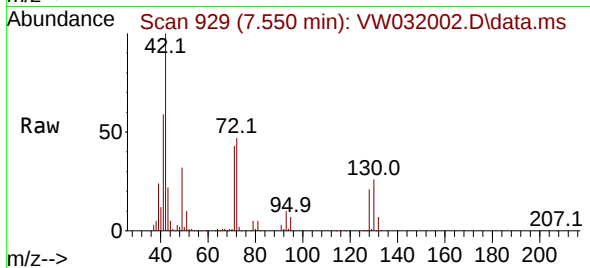
Tgt Ion: 42 Resp: 202700

Ion Ratio Lower Upper

42 100

72 46.2 37.0 55.6

71 43.6 34.5 51.7



#30

Chloroform

Concen: 55.380 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032002.D

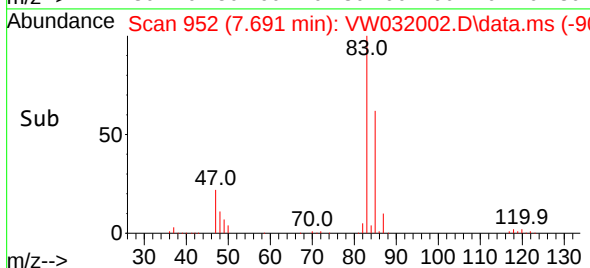
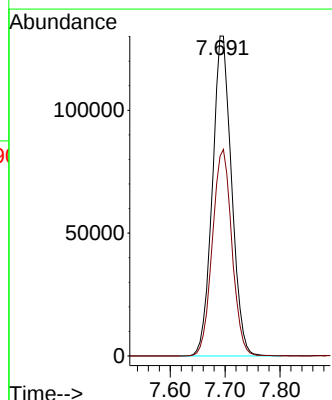
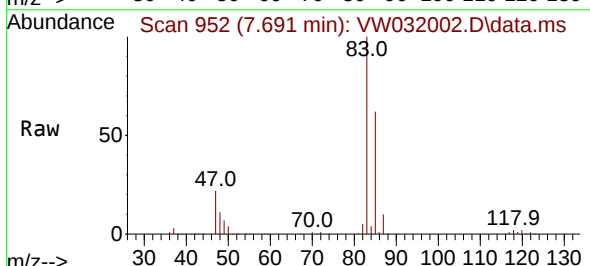
Acq: 04 Aug 2025 15:24

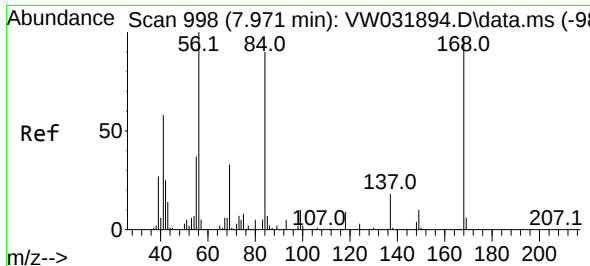
Tgt Ion: 83 Resp: 316638

Ion Ratio Lower Upper

83 100

85 62.4 52.6 78.8

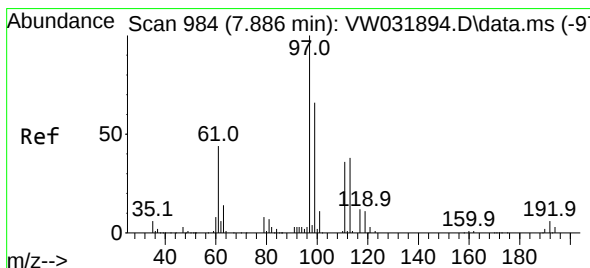
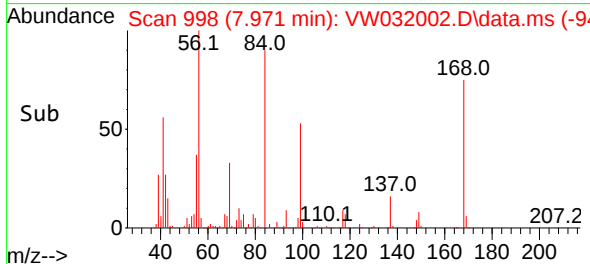
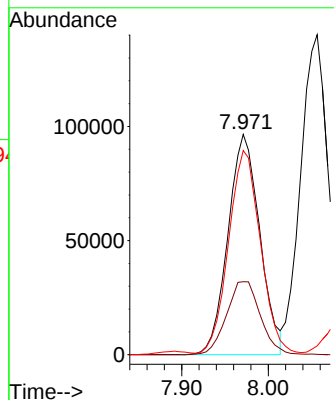
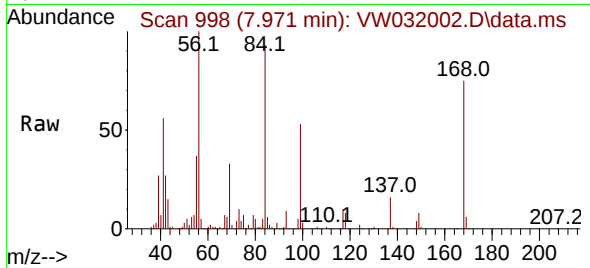




#31
Cyclohexane
Concen: 50.319 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

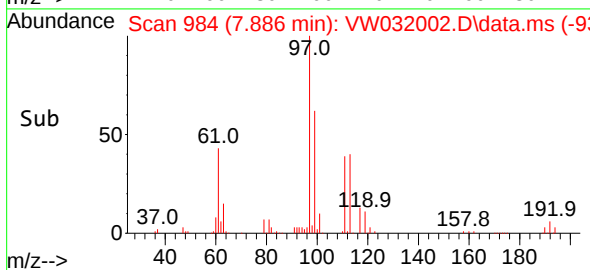
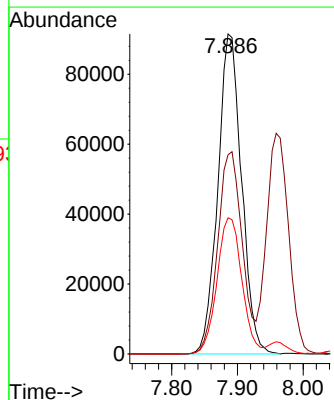
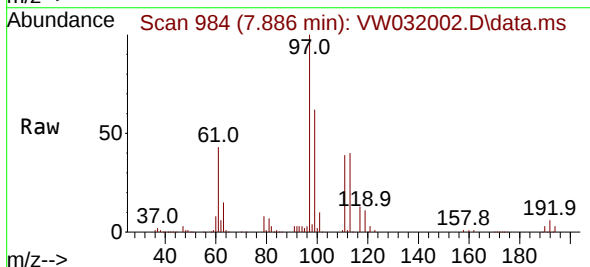
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

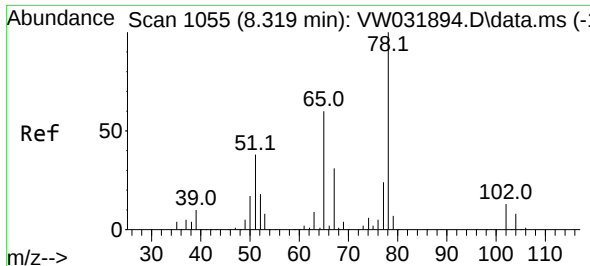
Tgt Ion: 56 Resp: 246168
Ion Ratio Lower Upper
56 100
69 33.1 26.7 40.1
84 91.3 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 52.886 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 97 Resp: 230094
Ion Ratio Lower Upper
97 100
99 65.6 53.0 79.4
61 44.7 35.4 53.0

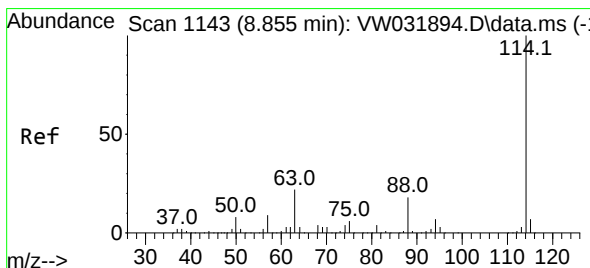
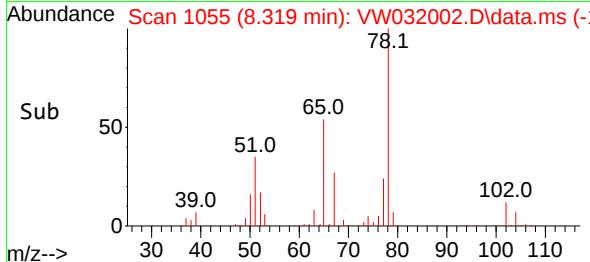
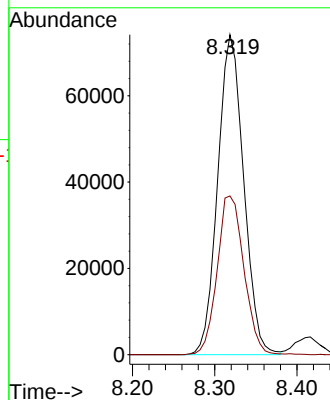
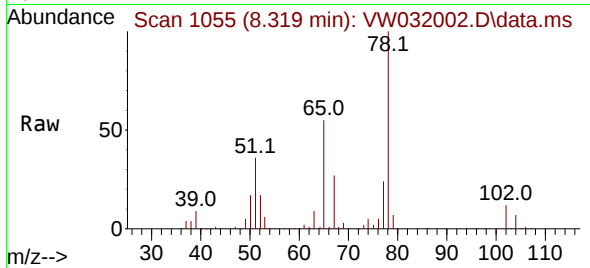




#33
1,2-Dichloroethane-d4
Concen: 50.966 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

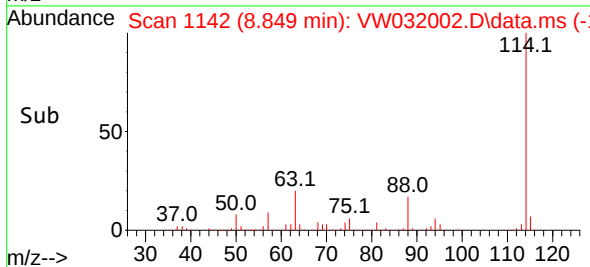
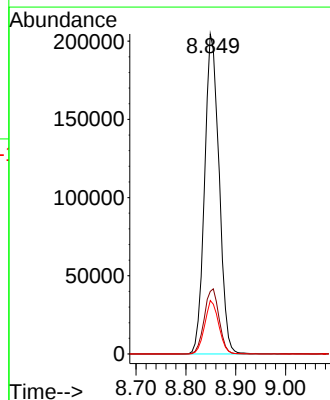
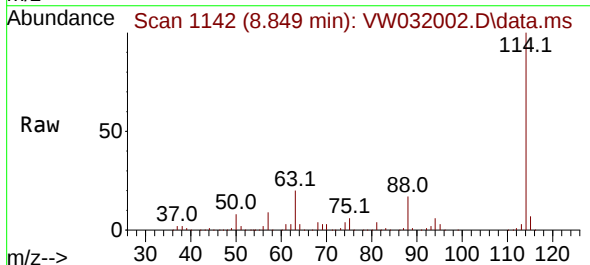
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

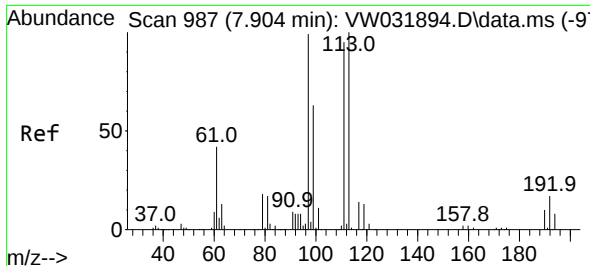
Tgt Ion: 65 Resp: 162574
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 114 Resp: 411619
Ion Ratio Lower Upper
114 100
63 19.6 0.0 44.2
88 16.7 0.0 35.6

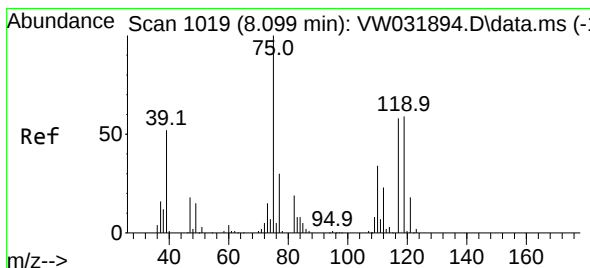
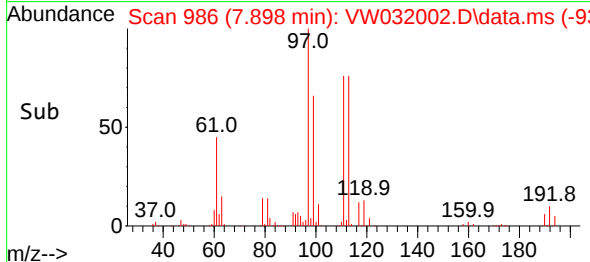
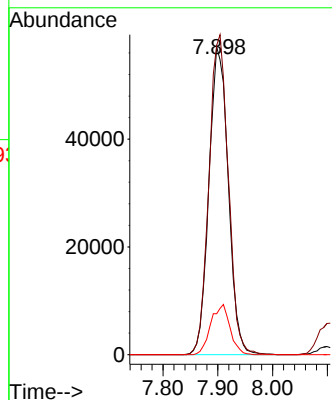
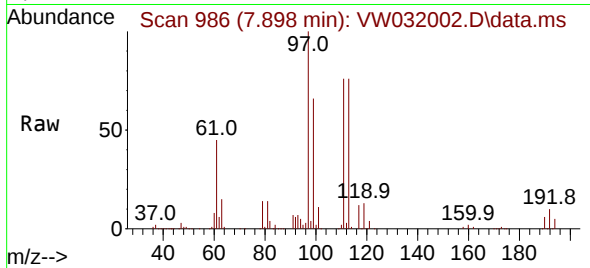




#35
 Dibromofluoromethane
 Concen: 49.929 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032002.D
 Acq: 04 Aug 2025 15:24

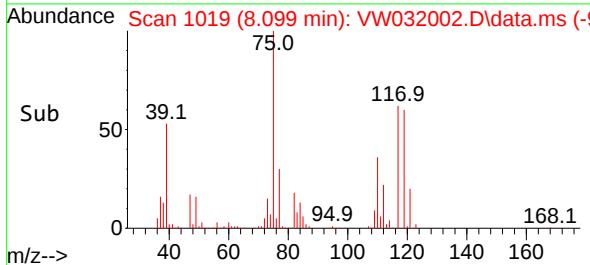
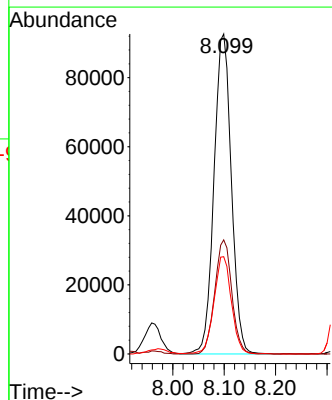
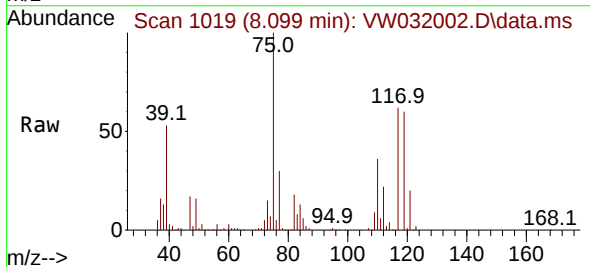
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

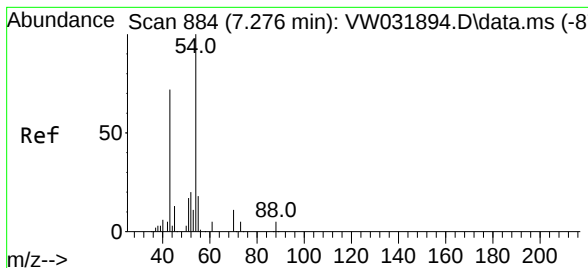
Tgt Ion:113 Resp: 139653
 Ion Ratio Lower Upper
 113 100
 111 104.1 79.9 119.9
 192 16.2 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 50.630 ug/l
 RT: 8.099 min Scan# 1019
 Delta R.T. -0.000 min
 Lab File: VW032002.D
 Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 217478
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.0 50.9
 77 30.5 25.1 37.7





#37

Ethyl Acetate

Concen: 54.174 ug/l

RT: 7.276 min Scan# 884

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

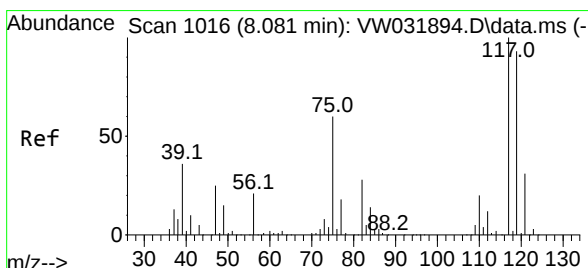
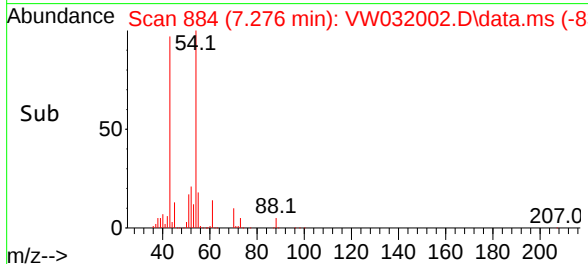
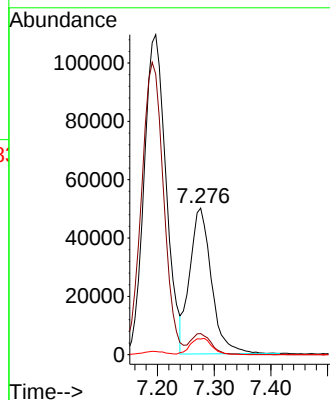
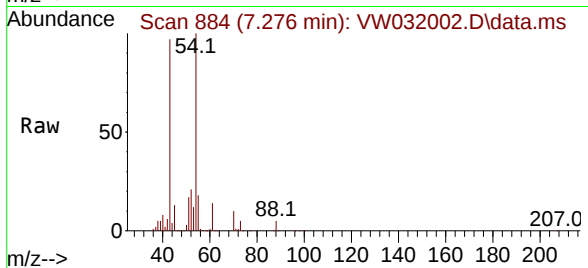
Tgt Ion: 43 Resp: 132746

Ion Ratio Lower Upper

43 100

61 13.8 10.6 15.8

70 11.4 9.0 13.4



#38

Carbon Tetrachloride

Concen: 49.444 ug/l

RT: 8.087 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

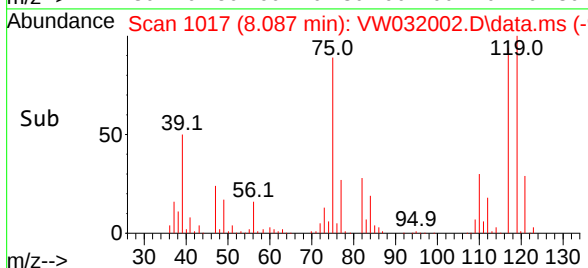
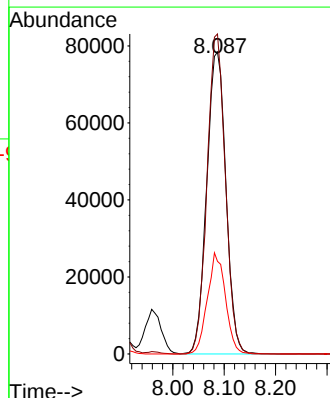
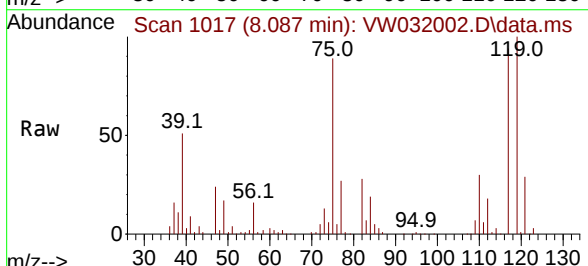
Tgt Ion: 117 Resp: 203826

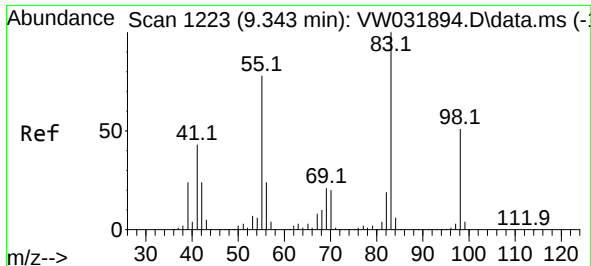
Ion Ratio Lower Upper

117 100

119 106.0 74.3 111.5

121 30.7 24.6 37.0





#39

Methylcyclohexane

Concen: 49.854 ug/l

RT: 9.343 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

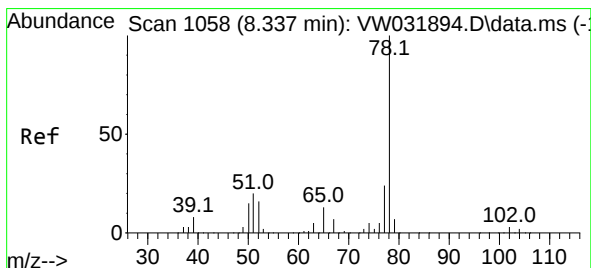
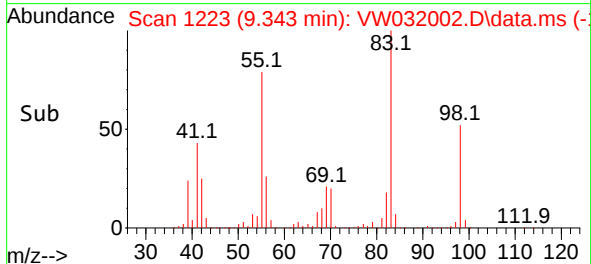
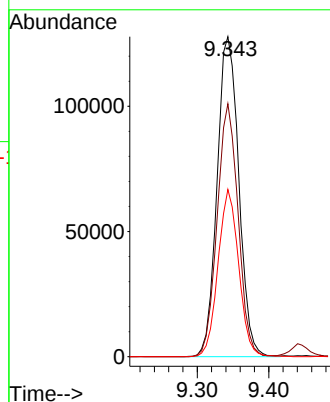
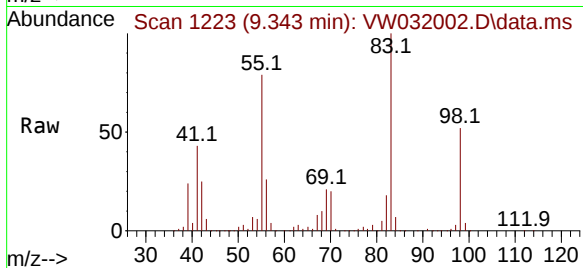
Tgt Ion: 83 Resp: 269494

Ion Ratio Lower Upper

83 100

55 79.0 62.5 93.7

98 52.2 40.6 61.0



#40

Benzene

Concen: 52.355 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032002.D

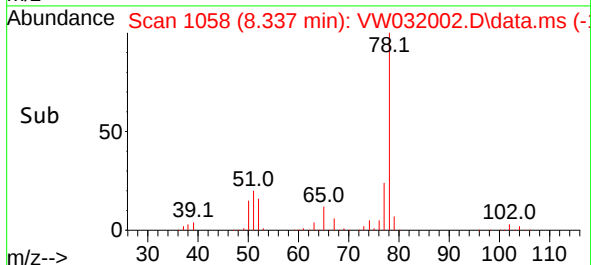
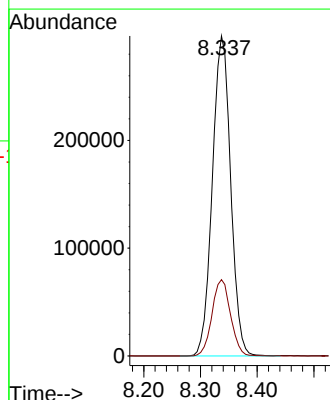
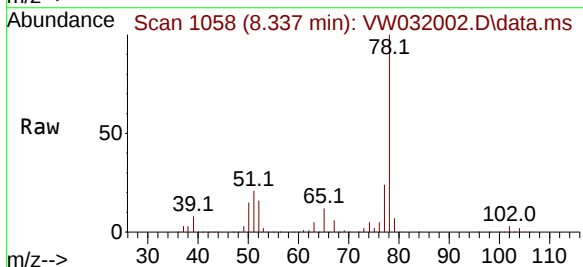
Acq: 04 Aug 2025 15:24

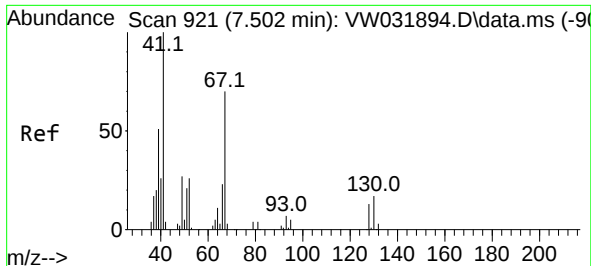
Tgt Ion: 78 Resp: 665711

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

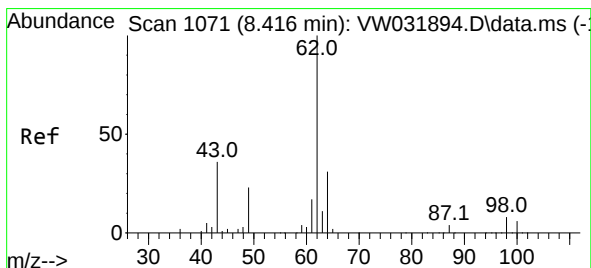
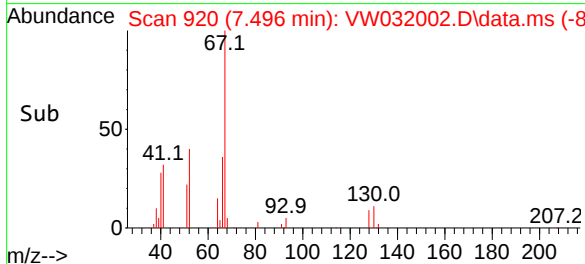
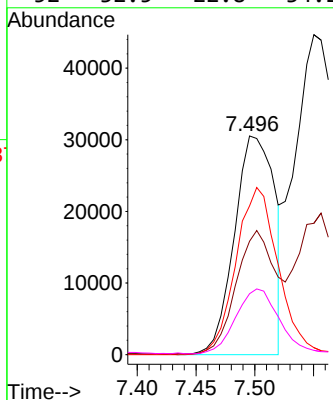
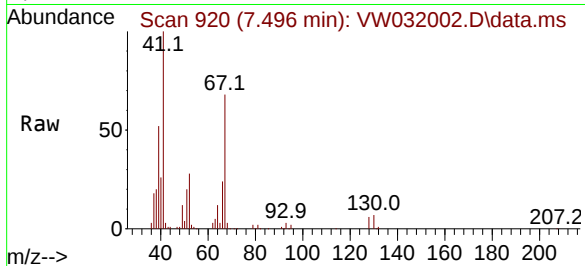




#41
Methacrylonitrile
Concen: 49.564 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

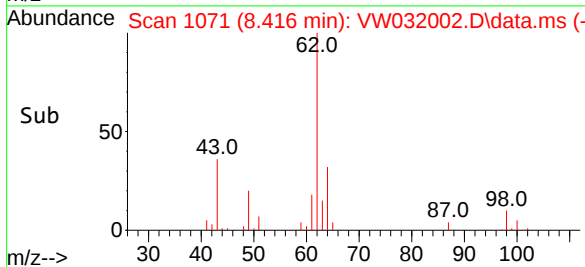
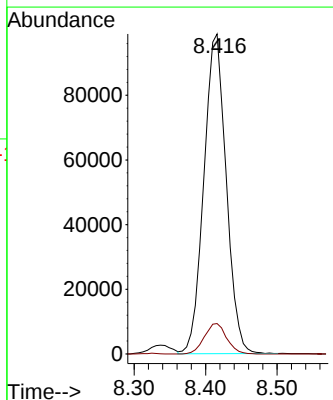
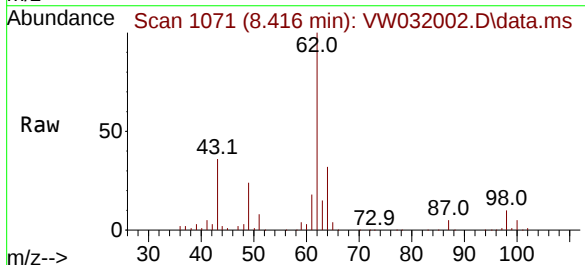
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

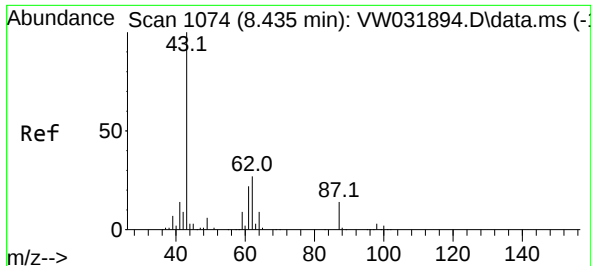
Tgt Ion:	41	Resp:	72701
Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.1	61.7
67	81.2	56.2	84.4
52	32.5	22.8	34.2



#42
1,2-Dichloroethane
Concen: 52.764 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:	62	Resp:	214722
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

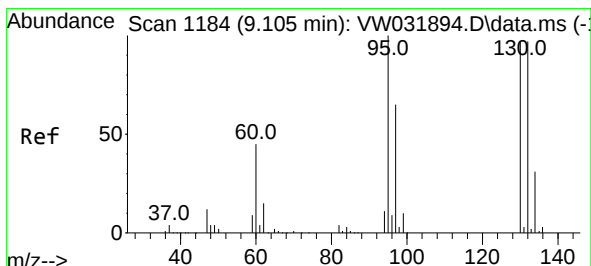
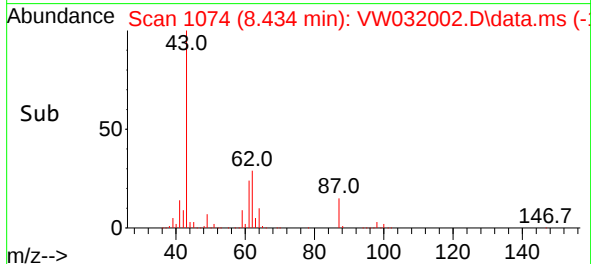
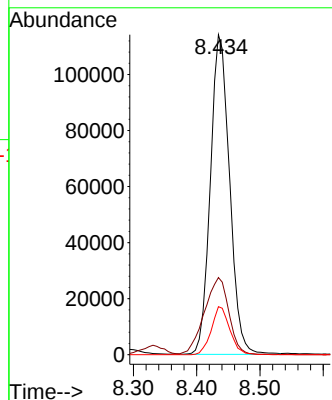
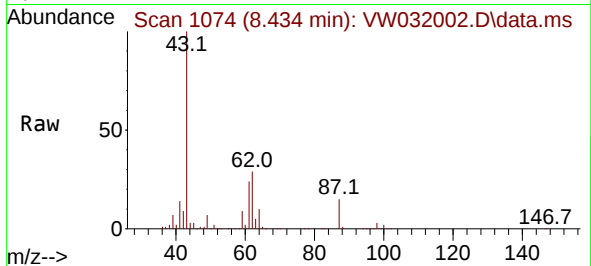




#43
Isopropyl Acetate
Concen: 54.209 ug/l
RT: 8.434 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

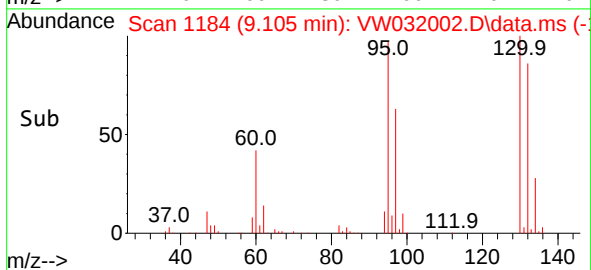
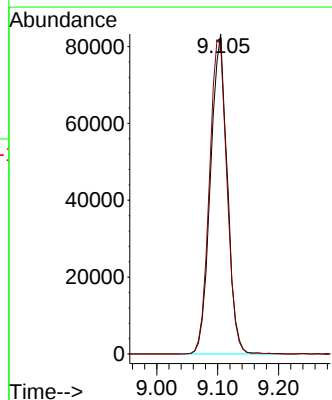
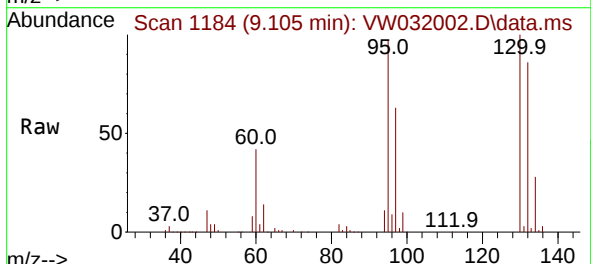
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

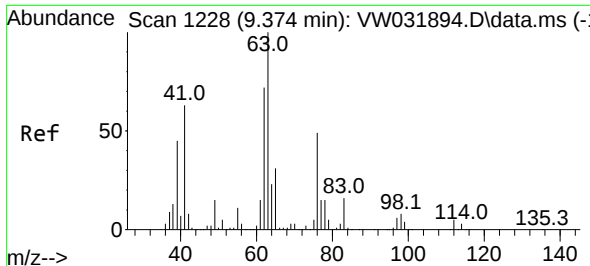
Tgt Ion: 43 Resp: 240471
Ion Ratio Lower Upper
43 100
61 30.4 24.0 36.0
87 14.5 11.1 16.7



#44
Trichloroethene
Concen: 52.612 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:130 Resp: 159011
Ion Ratio Lower Upper
130 100
95 96.7 0.0 206.4





#45

1,2-Dichloropropane

Concen: 53.525 ug/l

RT: 9.373 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

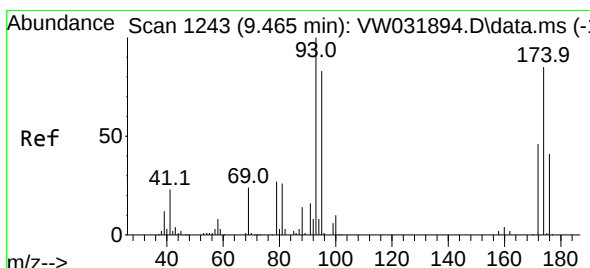
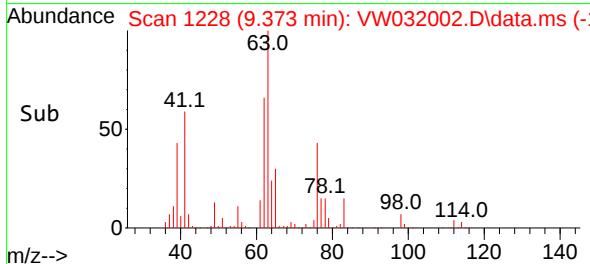
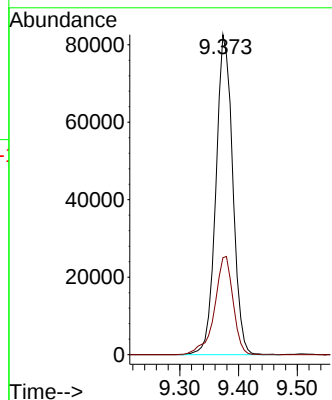
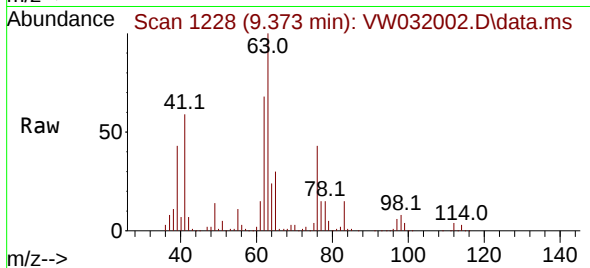
VSTDCCC050EC

Tgt Ion: 63 Resp: 163908

Ion Ratio Lower Upper

63 100

65 30.3 25.0 37.4



#46

Dibromomethane

Concen: 54.757 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

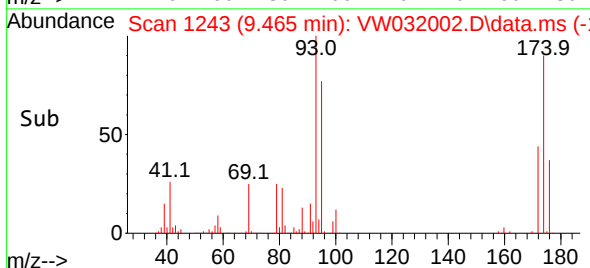
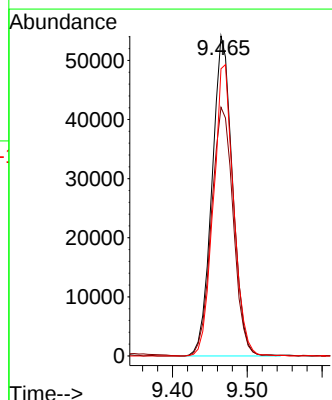
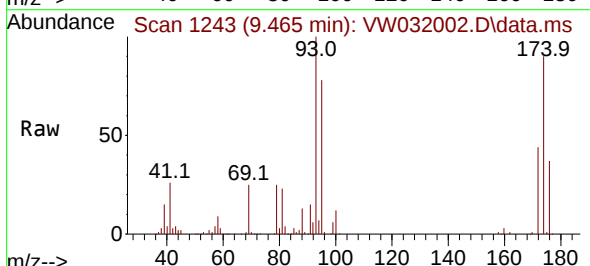
Tgt Ion: 93 Resp: 103944

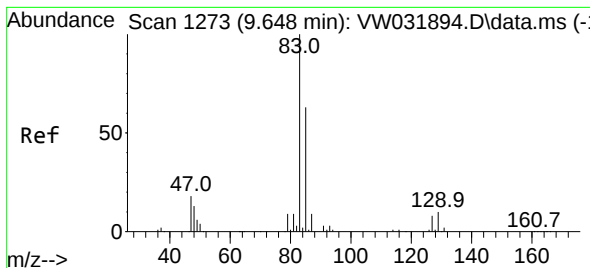
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

174 89.0 70.2 105.2





#47

Bromodichloromethane

Concen: 53.178 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

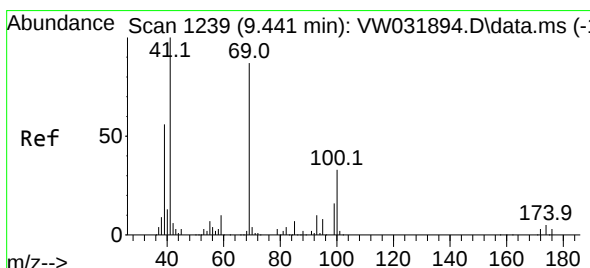
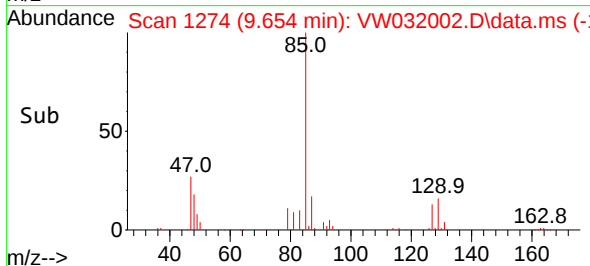
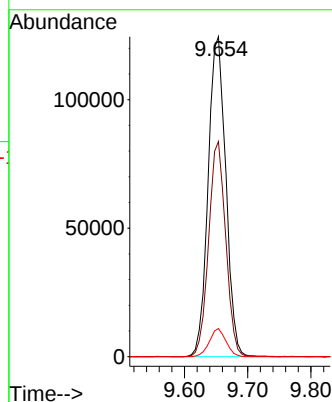
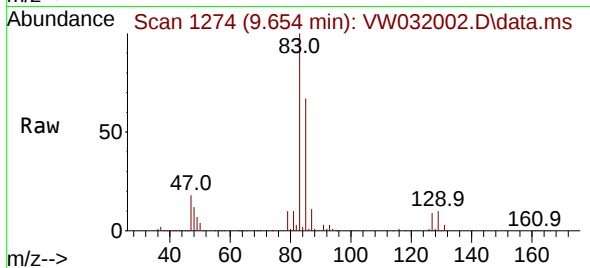
Tgt Ion: 83 Resp: 242060

Ion Ratio Lower Upper

83 100

85 67.2 50.6 76.0

127 8.8 6.5 9.7



#48

Methyl methacrylate

Concen: 55.382 ug/l

RT: 9.440 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

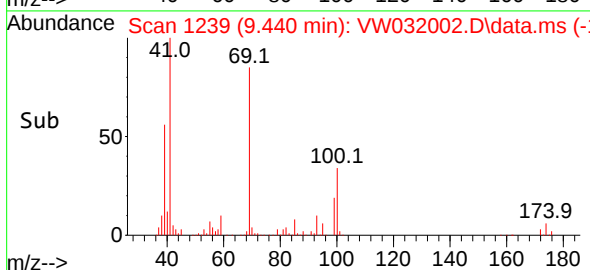
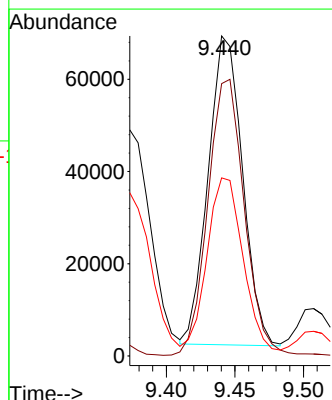
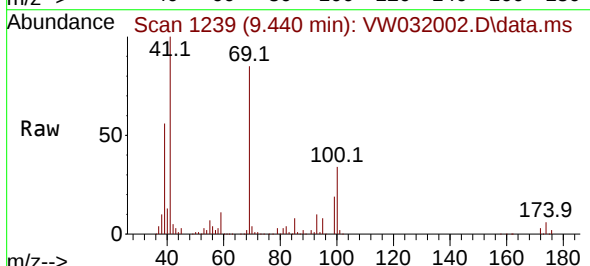
Tgt Ion: 41 Resp: 116879

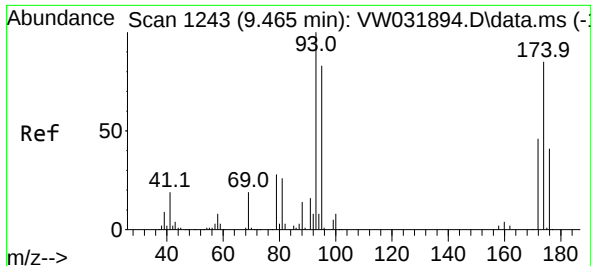
Ion Ratio Lower Upper

41 100

69 95.5 73.6 110.4

39 57.3 45.5 68.3





#49

1,4-Dioxane

Concen: 1192.087 ug/l

RT: 9.465 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

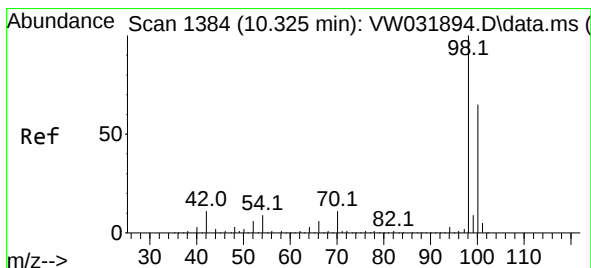
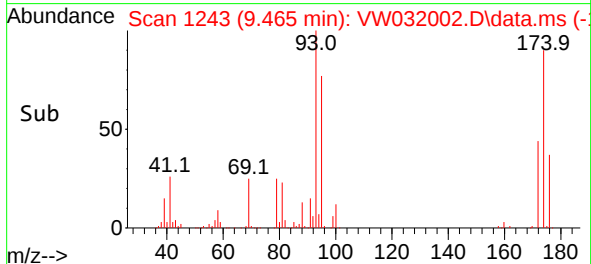
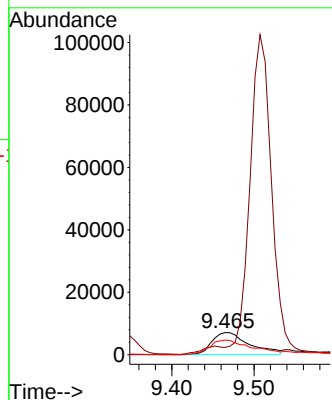
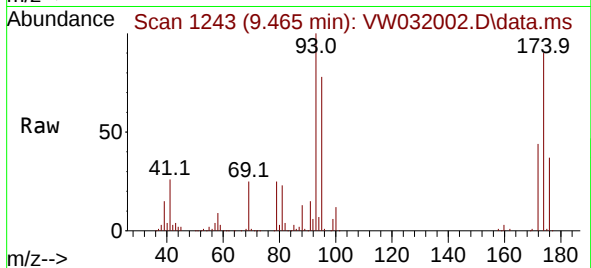
Tgt Ion: 88 Resp: 22580

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.4#

58 84.7 58.2 87.2



#50

Toluene-d8

Concen: 47.833 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032002.D

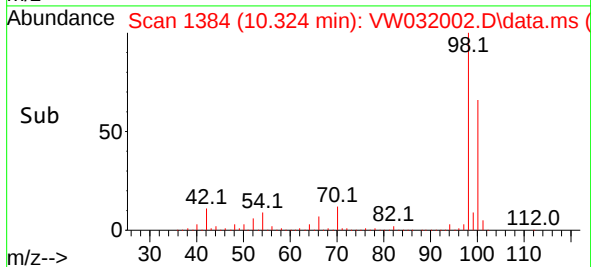
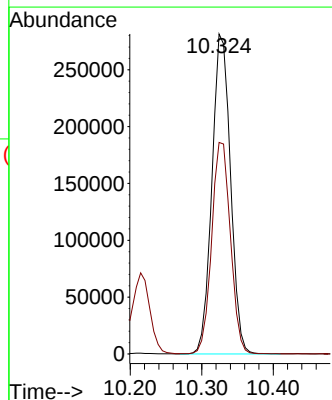
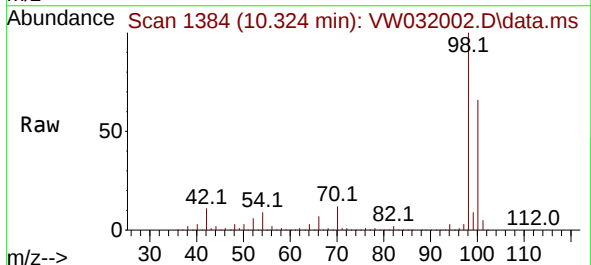
Acq: 04 Aug 2025 15:24

Tgt Ion: 98 Resp: 506349

Ion Ratio Lower Upper

98 100

100 66.8 51.7 77.5

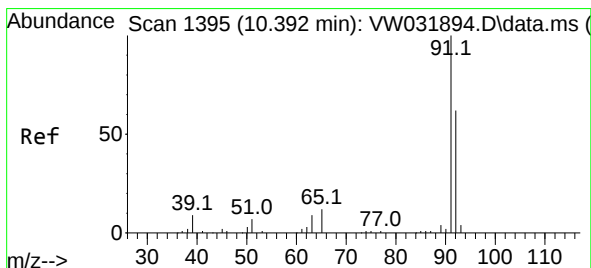
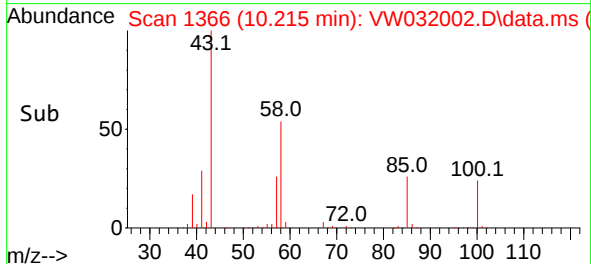
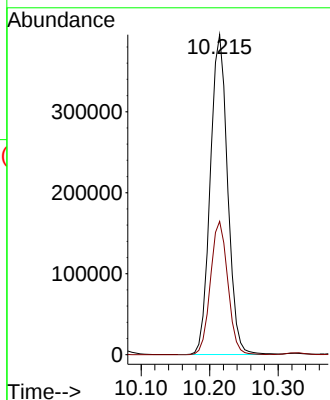
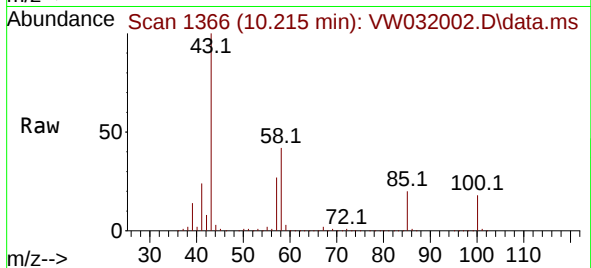




#51
4-Methyl-2-Pentanone
Concen: 286.490 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

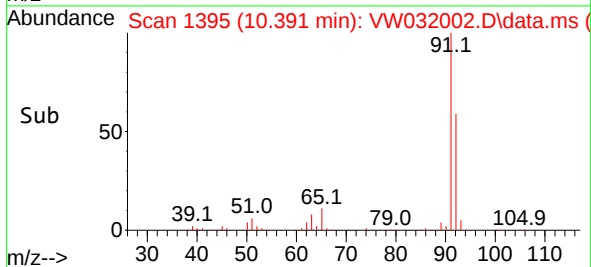
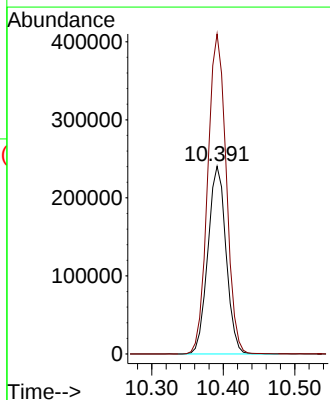
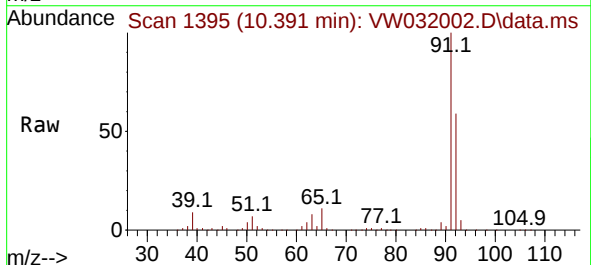
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

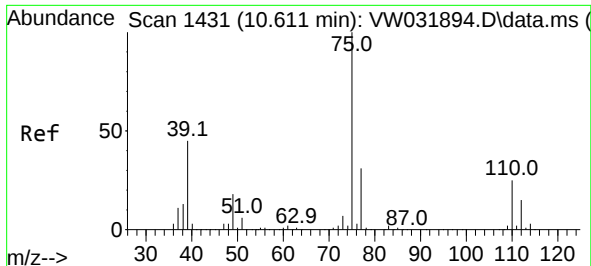
Tgt Ion: 43 Resp: 695504
Ion Ratio Lower Upper
43 100
58 41.7 32.8 49.2



#52
Toluene
Concen: 51.787 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 92 Resp: 423299
Ion Ratio Lower Upper
92 100
91 173.8 133.7 200.5

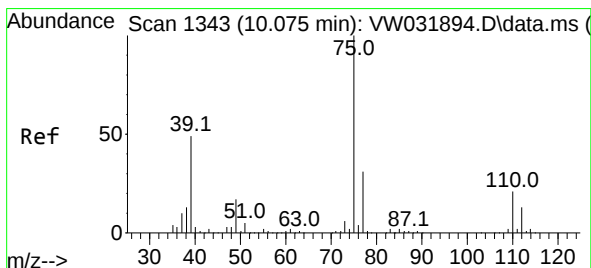
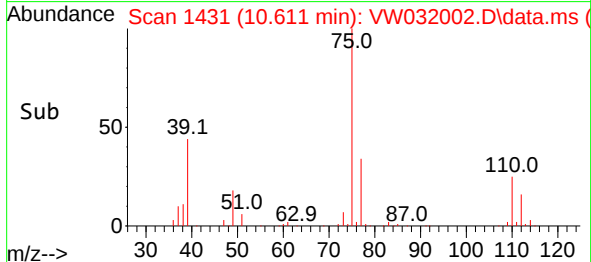
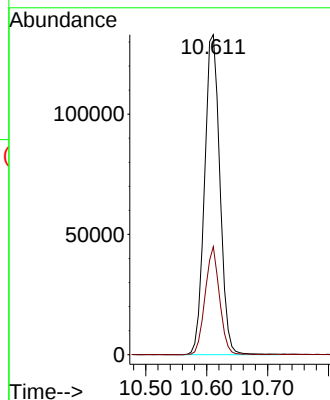
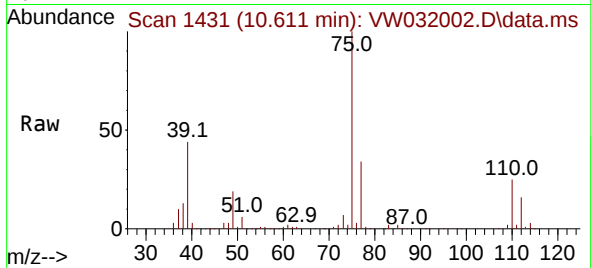




#53
 t-1,3-Dichloropropene
 Concen: 53.347 ug/l
 RT: 10.611 min Scan# 1431
 Delta R.T. -0.000 min
 Lab File: VW032002.D
 Acq: 04 Aug 2025 15:24

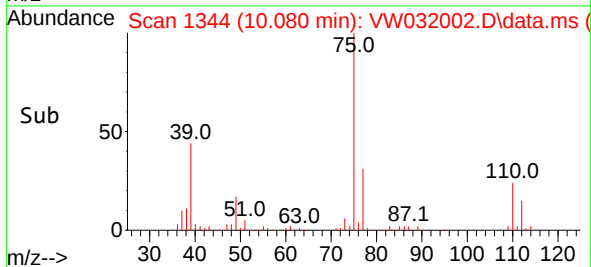
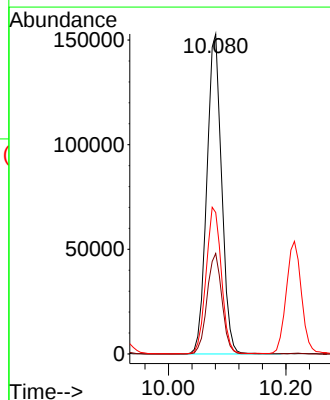
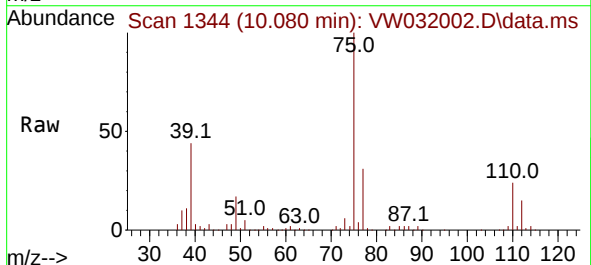
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

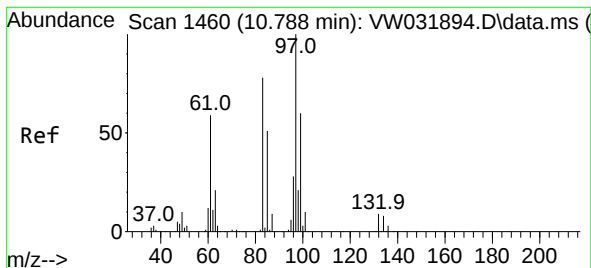
Tgt Ion: 75 Resp: 232934
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.683 ug/l
 RT: 10.080 min Scan# 1344
 Delta R.T. 0.006 min
 Lab File: VW032002.D
 Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 267688
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.5 36.7
 39 44.1 39.3 58.9



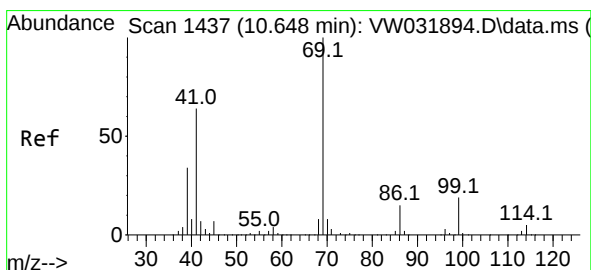
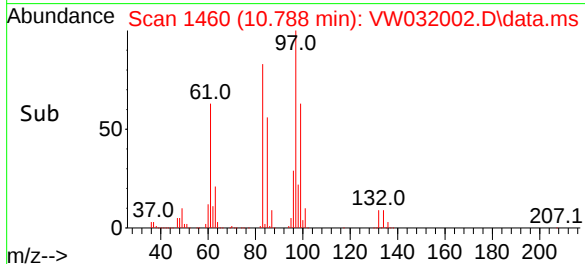
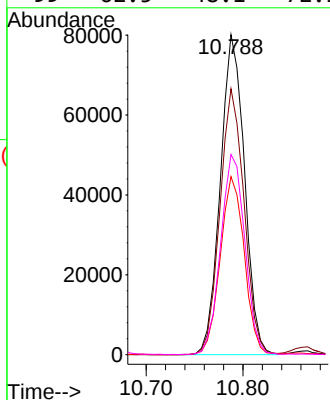
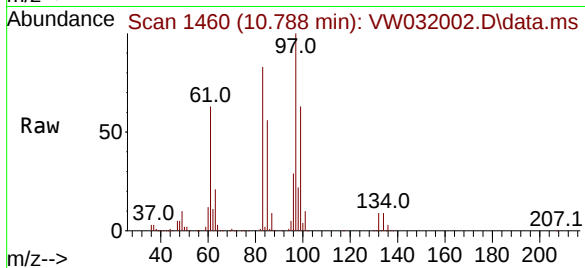


#55
1,1,2-Trichloroethane
Concen: 55.004 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 138694

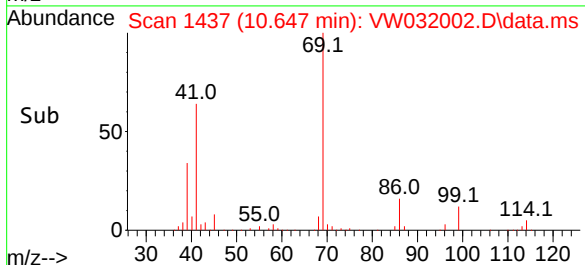
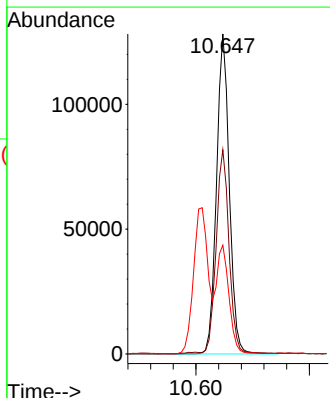
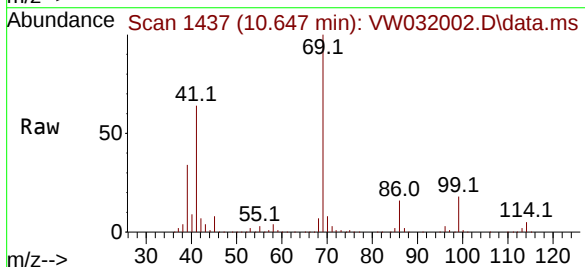
Ion	Ratio	Lower	Upper
97	100		
83	83.1	62.4	93.6
85	55.7	41.0	61.6
99	62.5	48.1	72.1

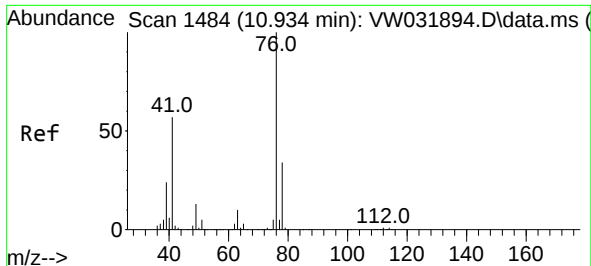


#56
Ethyl methacrylate
Concen: 56.390 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 69 Resp: 200814

Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.0	78.0
39	32.7	26.6	40.0





#57

1,3-Dichloropropane

Concen: 54.354 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

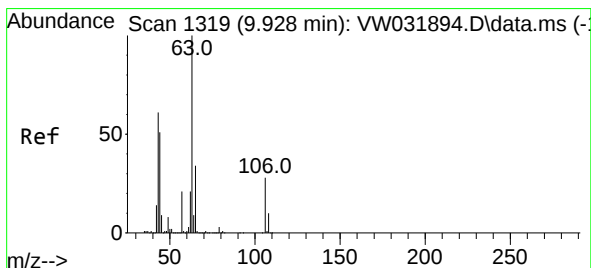
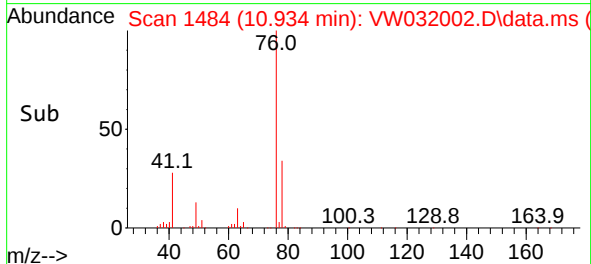
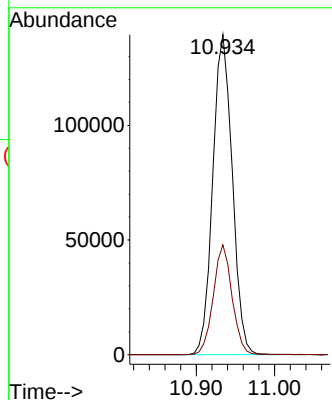
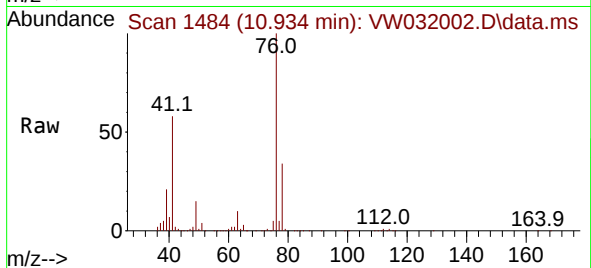
VSTDCCC050EC

Tgt Ion: 76 Resp: 241452

Ion Ratio Lower Upper

76 100

78 33.0 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 245.376 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032002.D

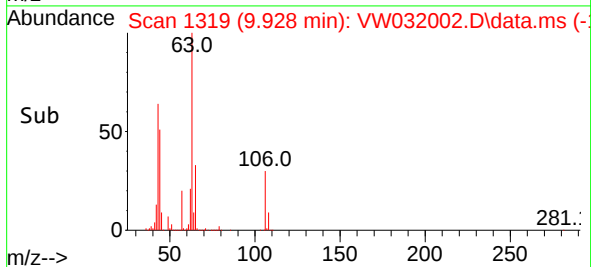
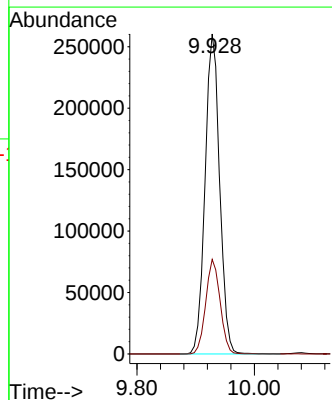
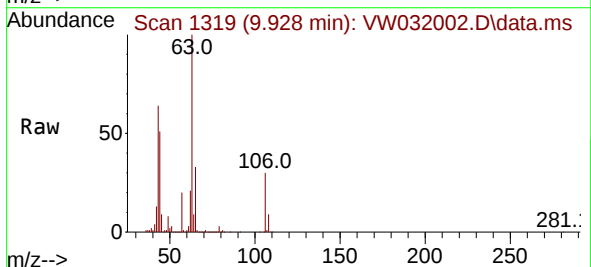
Acq: 04 Aug 2025 15:24

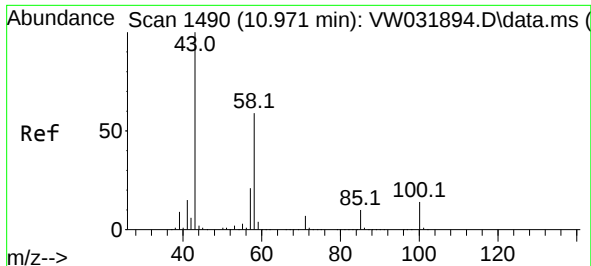
Tgt Ion: 63 Resp: 448842

Ion Ratio Lower Upper

63 100

106 29.1 22.7 34.1

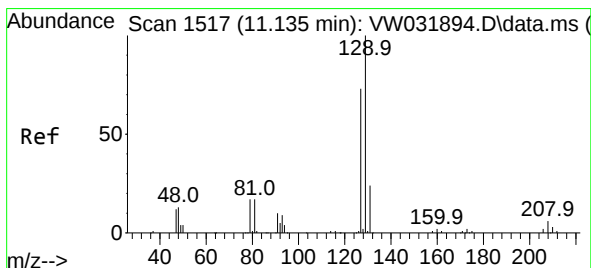
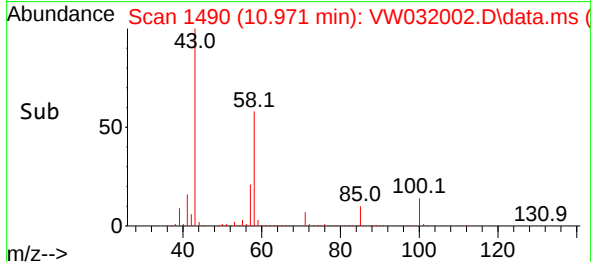
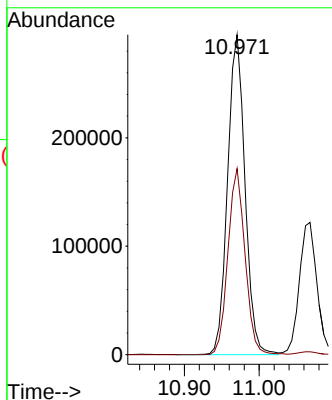
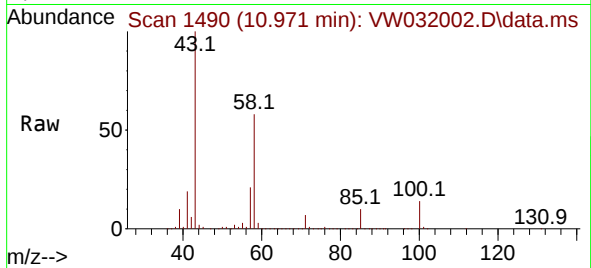




#59
2-Hexanone
Concen: 283.159 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

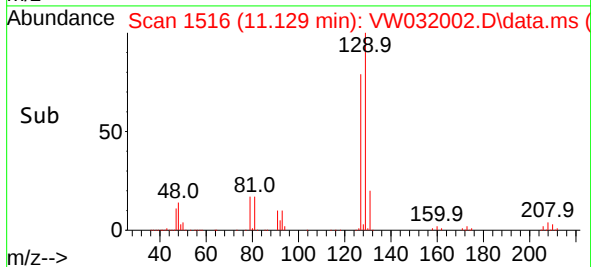
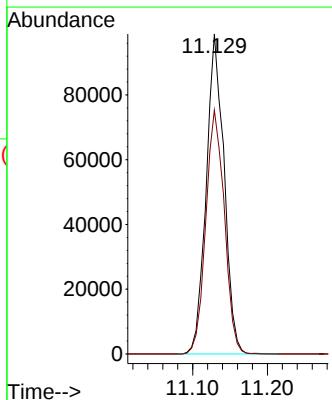
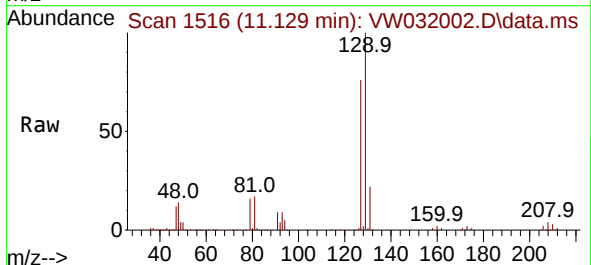
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

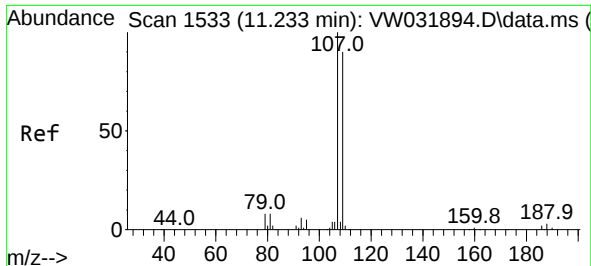
Tgt Ion: 43 Resp: 477821
Ion Ratio Lower Upper
43 100
58 57.3 28.5 85.6



#60
Dibromochloromethane
Concen: 55.682 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:129 Resp: 163699
Ion Ratio Lower Upper
129 100
127 79.2 39.6 118.8

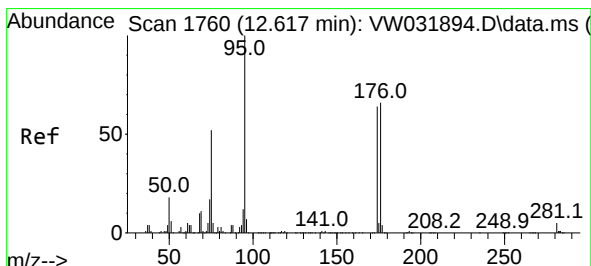
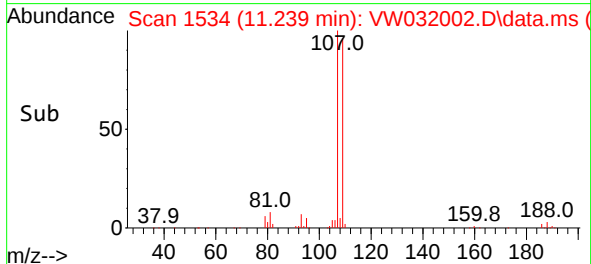
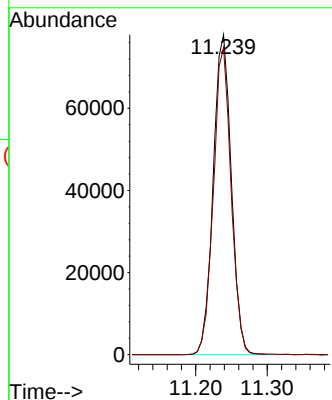
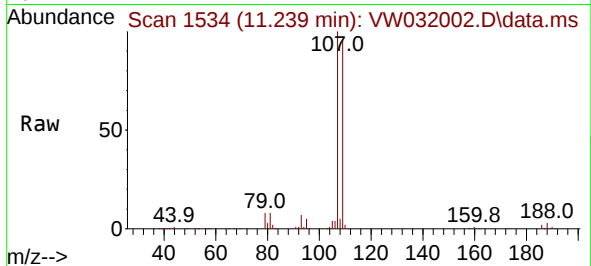




#61
1,2-Dibromoethane
Concen: 54.843 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

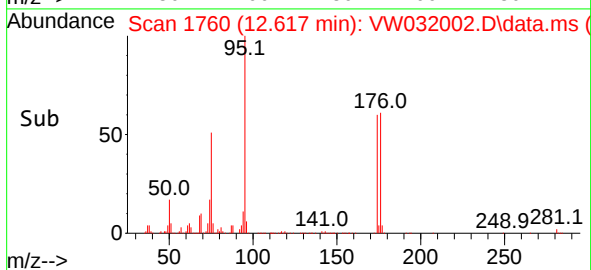
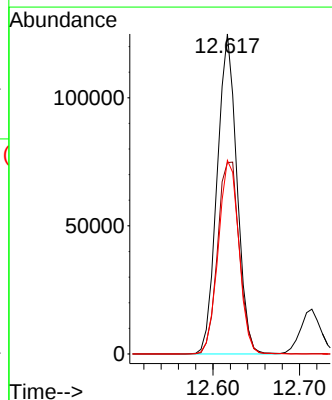
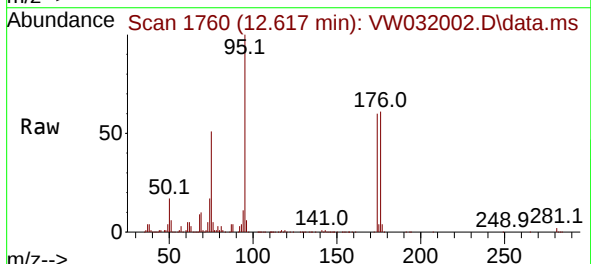
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

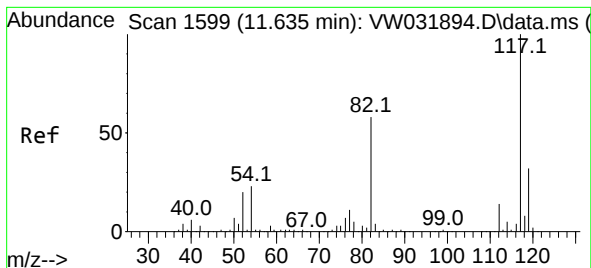
Tgt Ion:107 Resp: 136645
Ion Ratio Lower Upper
107 100
109 94.0 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 48.771 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 95 Resp: 198243
Ion Ratio Lower Upper
95 100
174 66.1 0.0 129.8
176 63.0 0.0 130.4

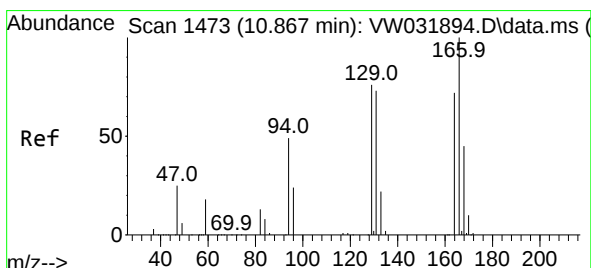
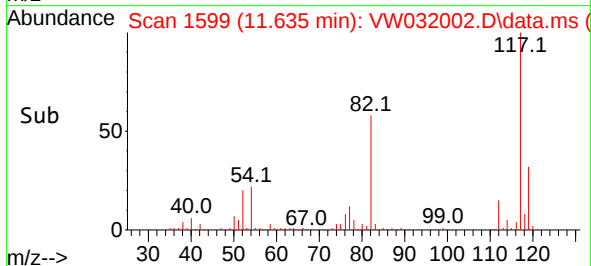
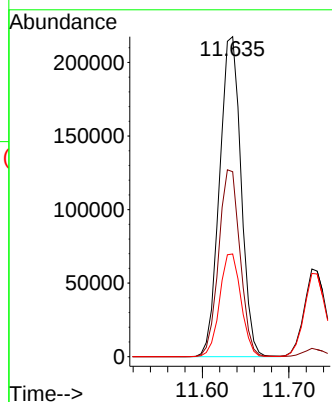
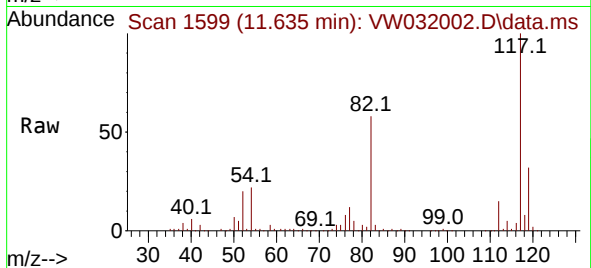




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

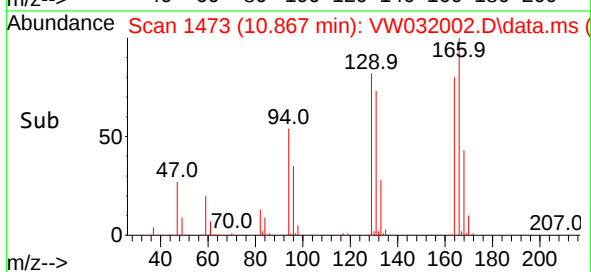
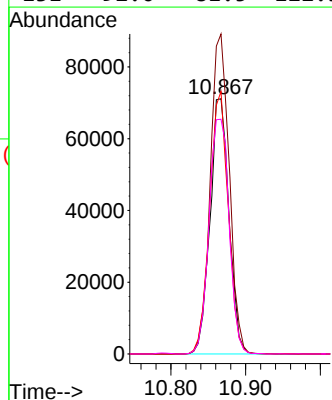
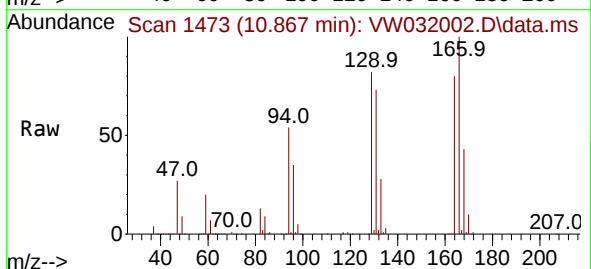
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 375477
Ion Ratio Lower Upper
117 100
82 57.8 46.5 69.7
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 50.824 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:164 Resp: 125818
Ion Ratio Lower Upper
164 100
166 125.4 111.5 167.3
129 102.9 85.1 127.7
131 92.0 81.5 122.3





#65

Chlorobenzene

Concen: 51.049 ug/l

RT: 11.659 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

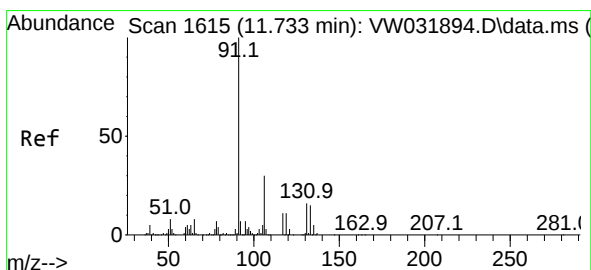
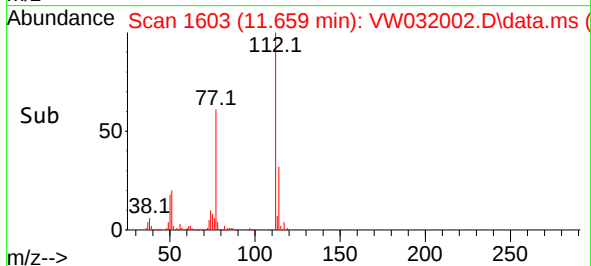
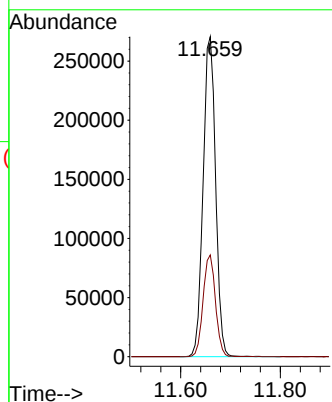
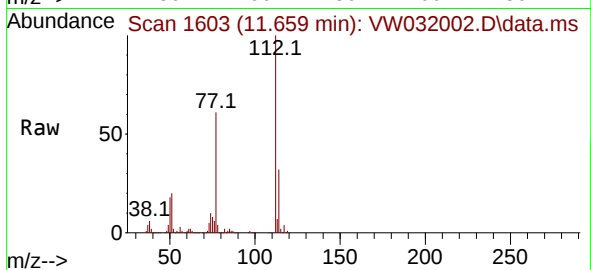
VSTDCCC050EC

Tgt Ion:112 Resp: 469117

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 52.138 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

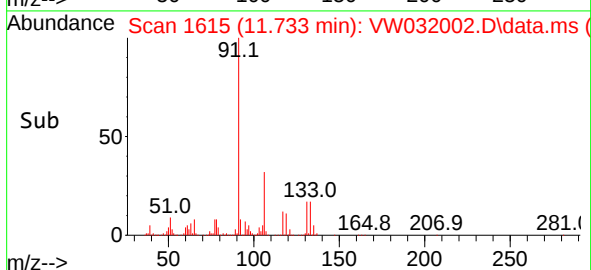
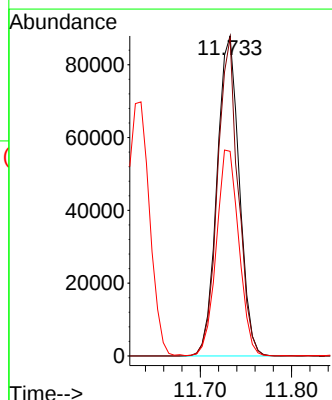
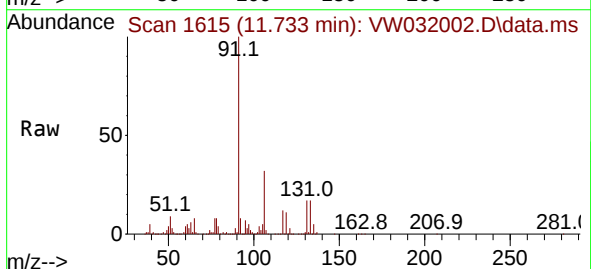
Tgt Ion:131 Resp: 148536

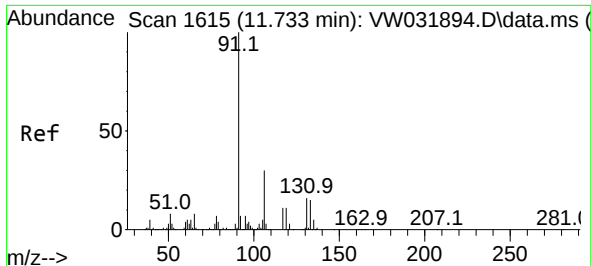
Ion Ratio Lower Upper

131 100

133 92.5 48.1 144.4

119 65.3 33.7 101.1





#67

Ethyl Benzene

Concen: 51.057 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

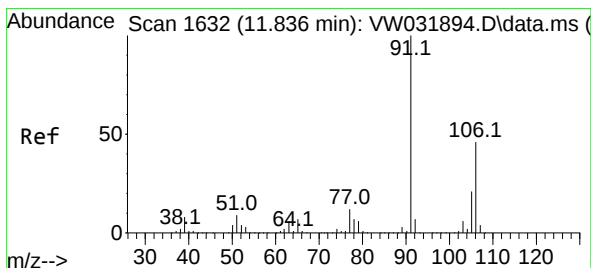
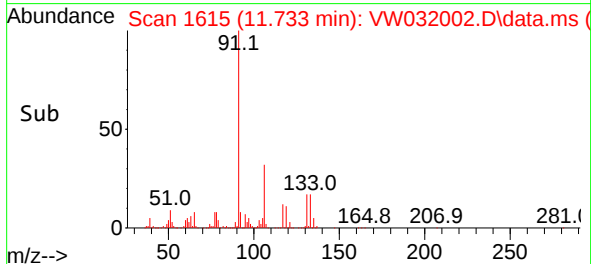
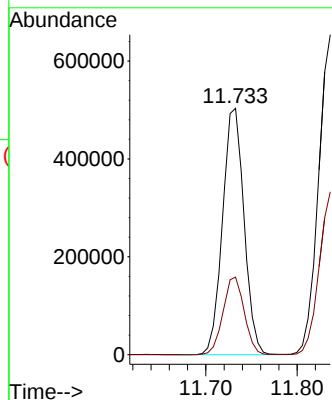
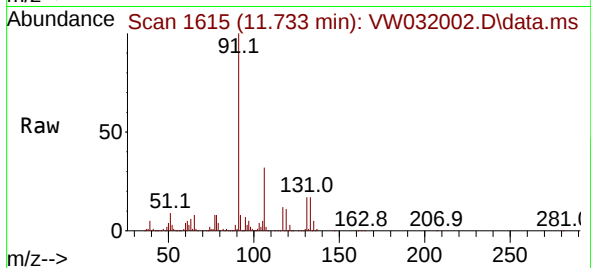
VSTDCCC050EC

Tgt Ion: 91 Resp: 824369

Ion Ratio Lower Upper

91 100

106 31.5 23.8 35.6



#68

m/p-Xylenes

Concen: 101.825 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032002.D

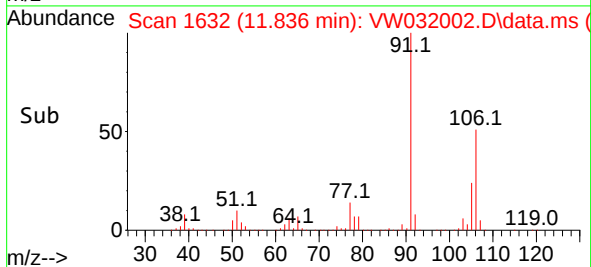
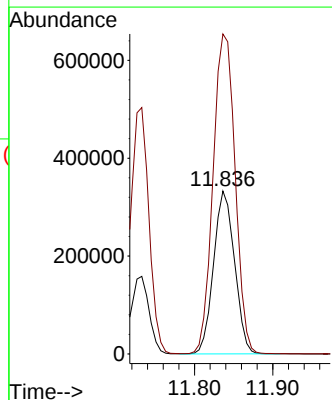
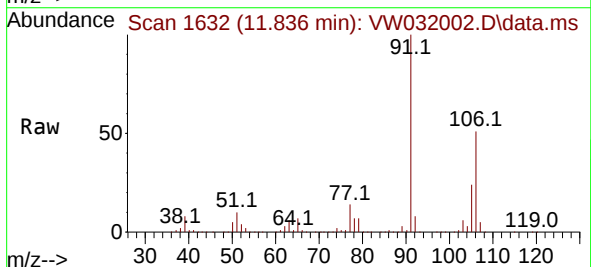
Acq: 04 Aug 2025 15:24

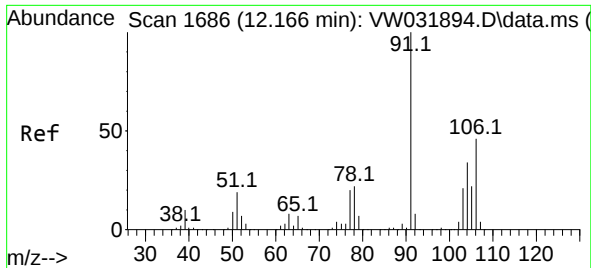
Tgt Ion: 106 Resp: 618923

Ion Ratio Lower Upper

106 100

91 207.2 167.7 251.5

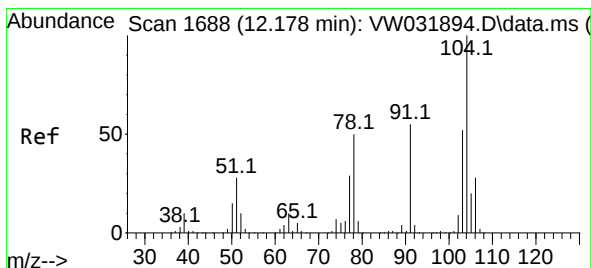
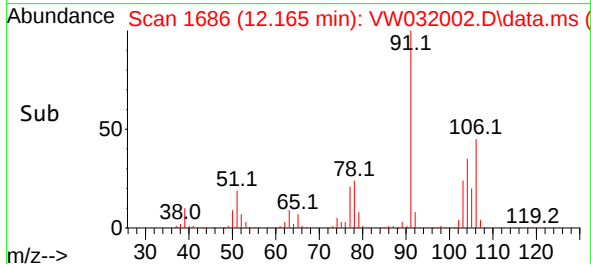
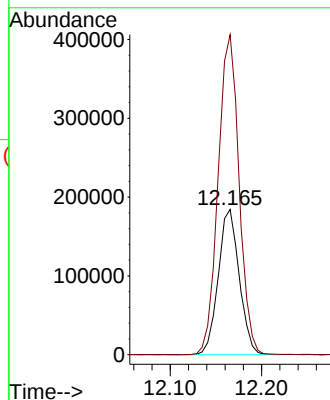
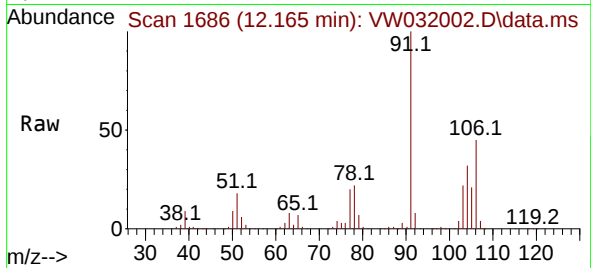




#69
o-Xylene
Concen: 51.081 ug/l
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

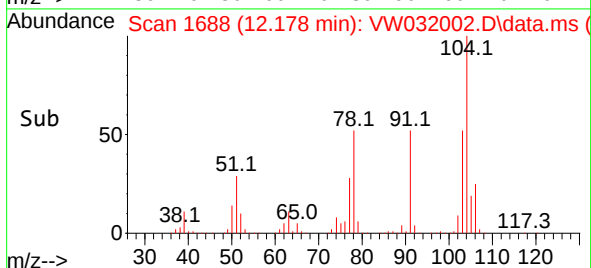
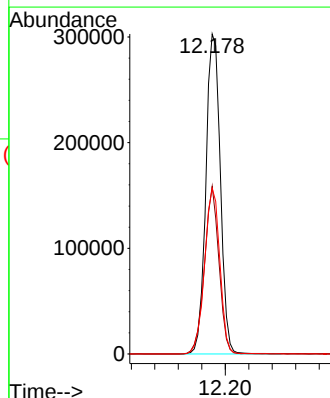
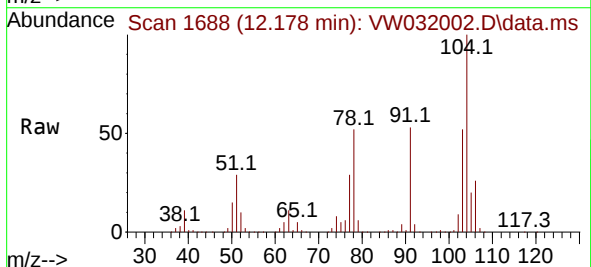
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

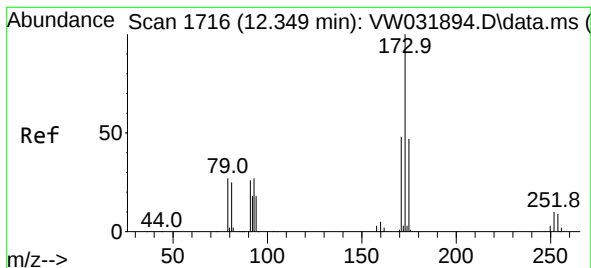
Tgt Ion:106 Resp: 293833
Ion Ratio Lower Upper
106 100
91 220.5 108.2 324.6



#70
Styrene
Concen: 52.978 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:104 Resp: 518864
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.4
103 54.5 42.8 64.2





#71

Bromoform

Concen: 56.142 ug/l

RT: 12.348 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

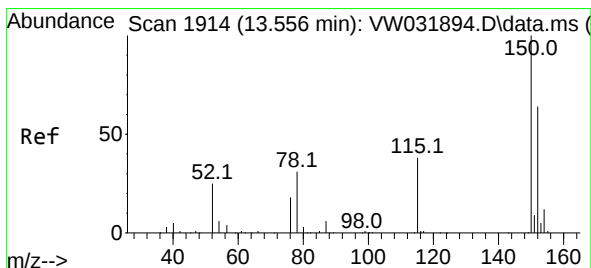
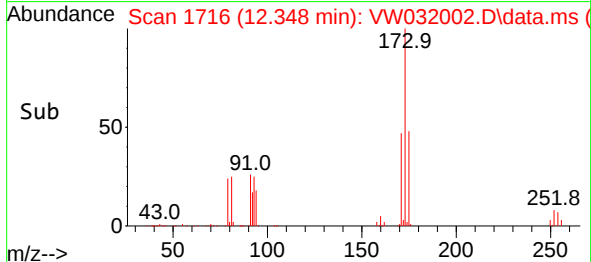
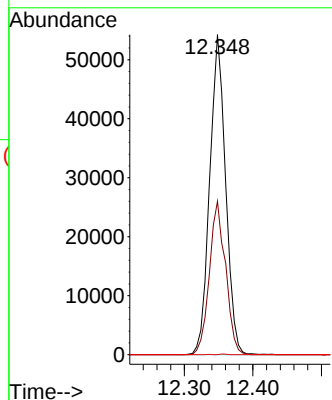
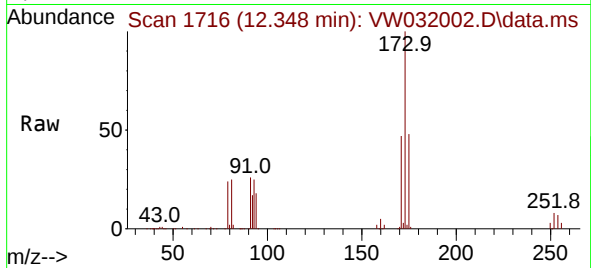
Tgt Ion:173 Resp: 87472

Ion Ratio Lower Upper

173 100

175 48.7 24.5 73.5

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

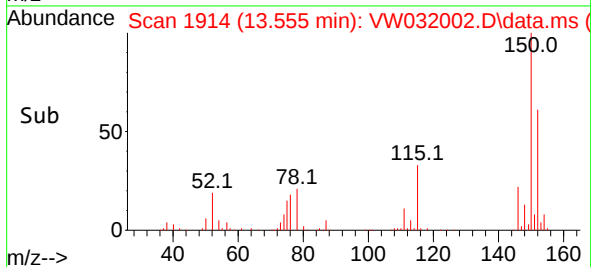
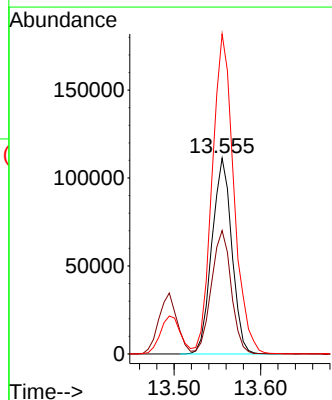
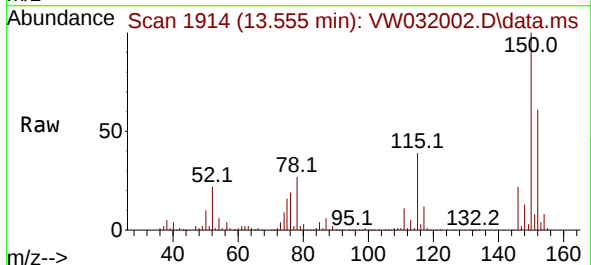
Tgt Ion:152 Resp: 177640

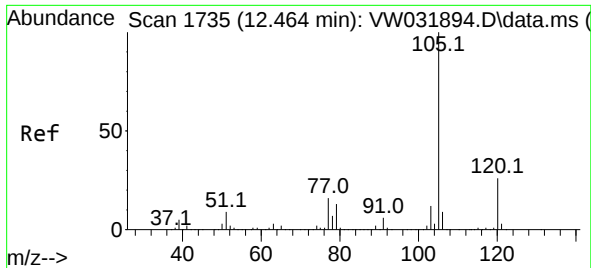
Ion Ratio Lower Upper

152 100

115 62.7 33.4 100.1

150 177.7 0.0 352.2

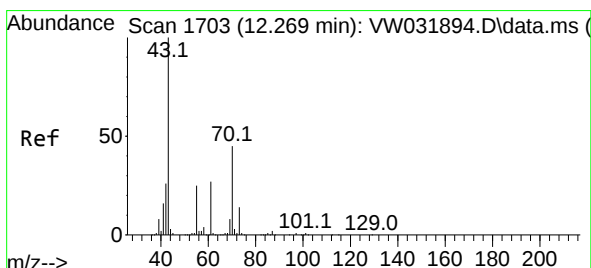
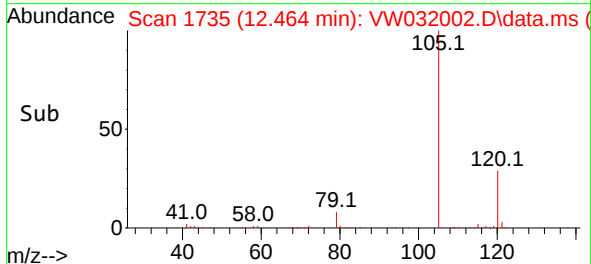
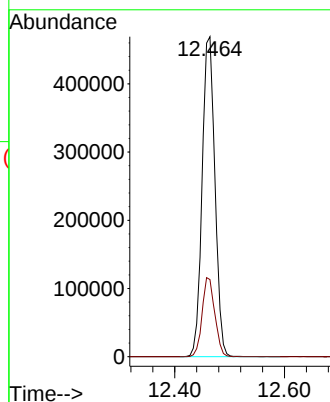
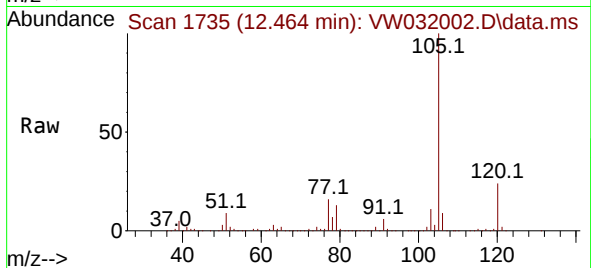




#73
Isopropylbenzene
Concen: 49.293 ug/l
RT: 12.464 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

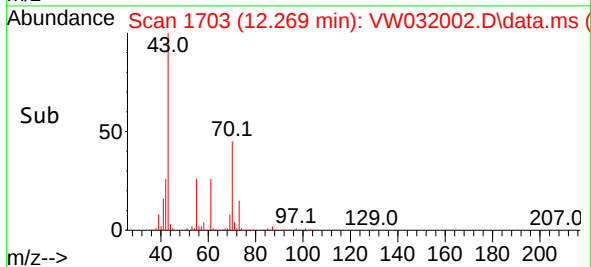
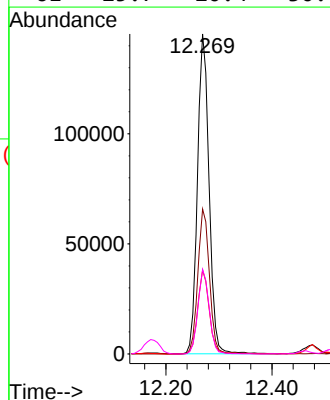
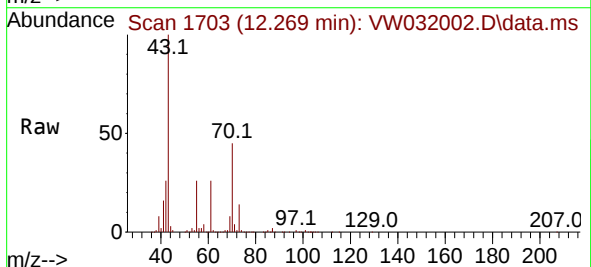
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

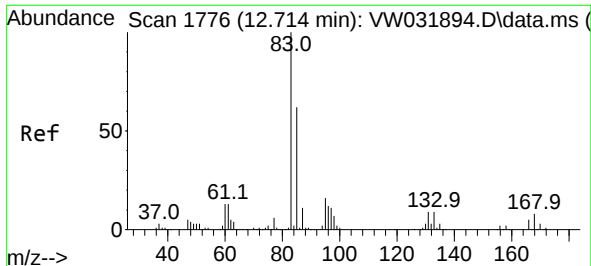
Tgt Ion:105 Resp: 759756
Ion Ratio Lower Upper
105 100
120 24.4 12.6 37.8



#74
N-ethyl acetate
Concen: 52.797 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 220001
Ion Ratio Lower Upper
43 100
70 45.8 36.6 55.0
55 26.1 20.7 31.1
61 25.7 20.4 30.6

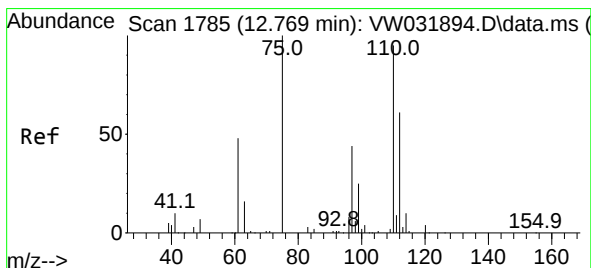
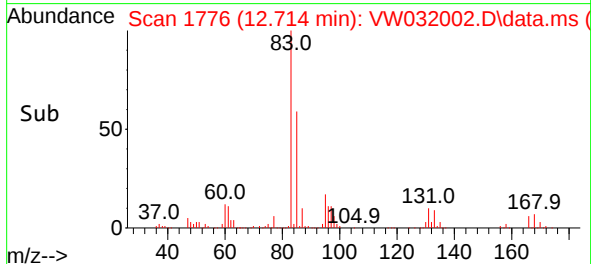
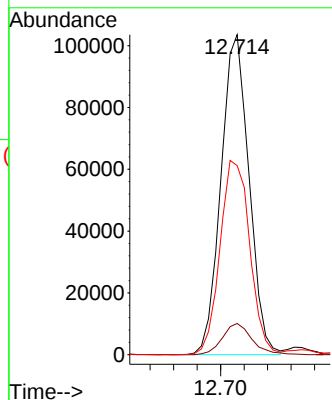
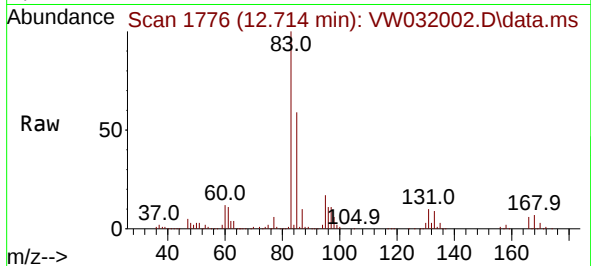




#75
1,1,2,2-Tetrachloroethane
Concen: 52.499 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

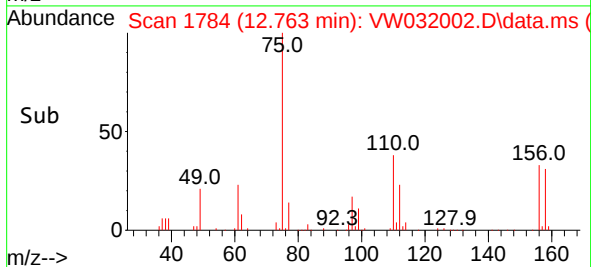
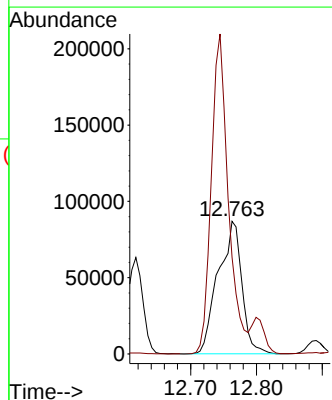
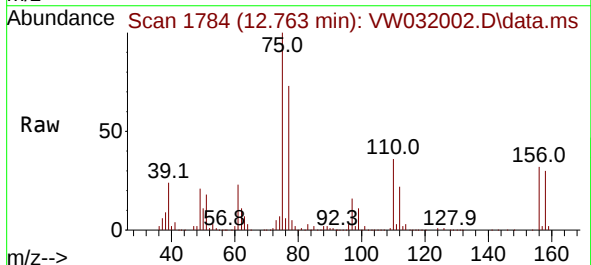
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

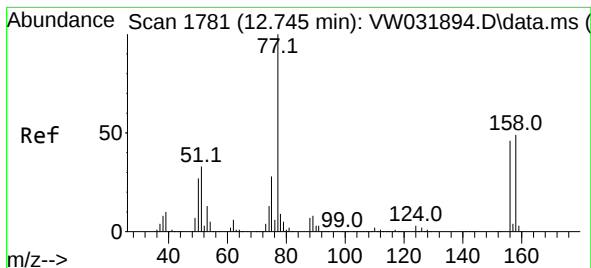
Tgt Ion: 83 Resp: 171757
Ion Ratio Lower Upper
83 100
131 10.3 5.0 15.0
85 64.4 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 88.652 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 217427
Ion Ratio Lower Upper
75 100
77 175.0 0.0 0.0#





#77

Bromobenzene

Concen: 53.344 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

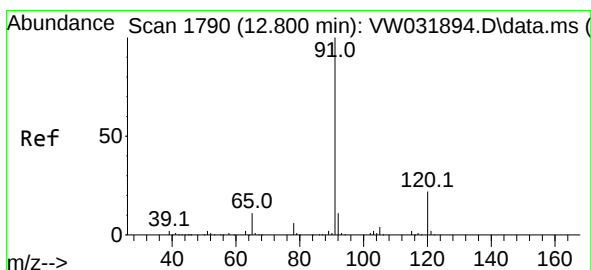
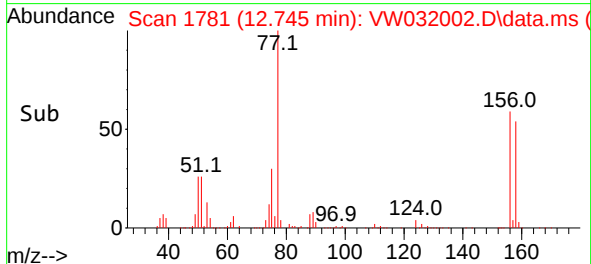
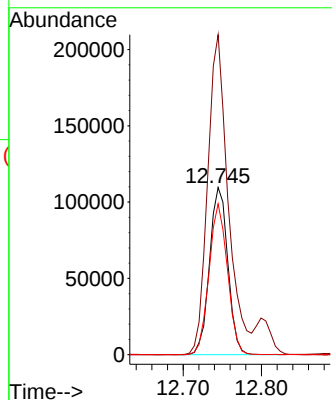
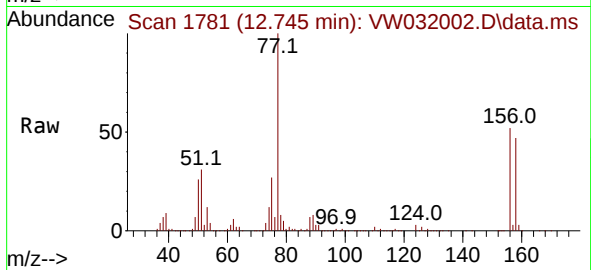
Tgt Ion:156 Resp: 177897

Ion Ratio Lower Upper

156 100

77 213.9 115.3 345.8

158 90.8 50.1 150.3



#78

n-propylbenzene

Concen: 48.939 ug/l

RT: 12.799 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW032002.D

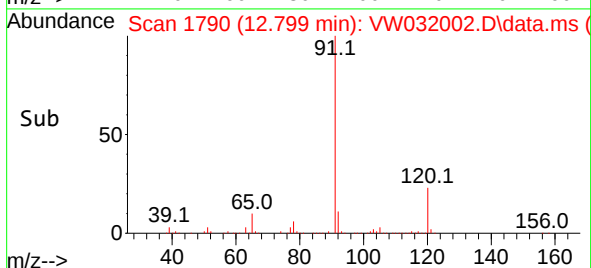
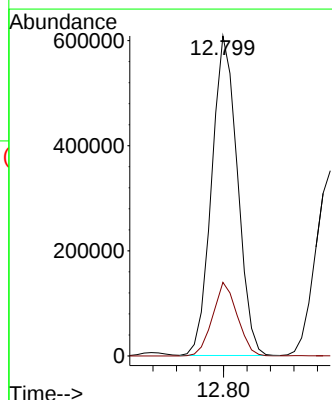
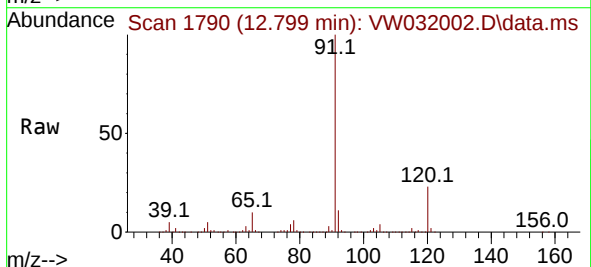
Acq: 04 Aug 2025 15:24

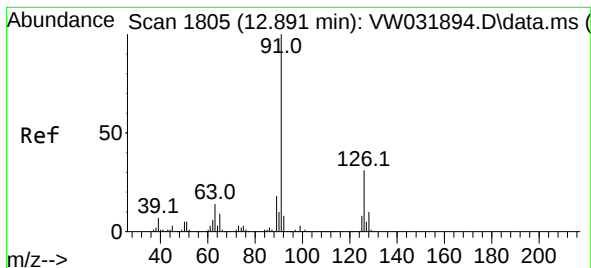
Tgt Ion: 91 Resp: 926422

Ion Ratio Lower Upper

91 100

120 22.0 10.9 32.6

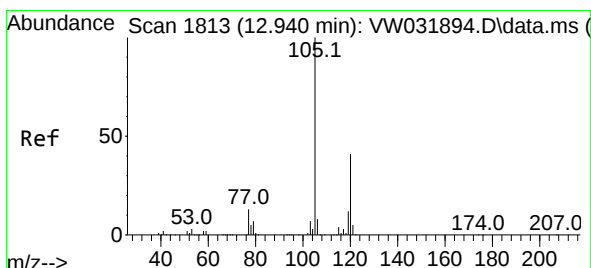
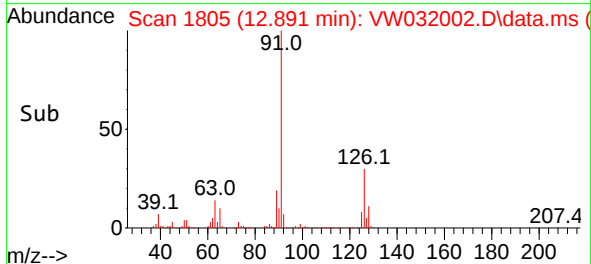
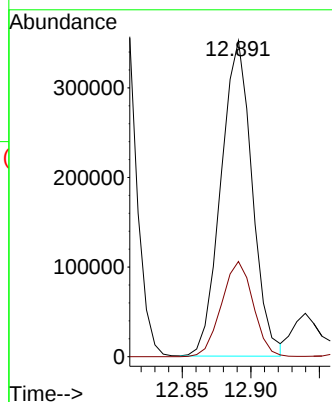
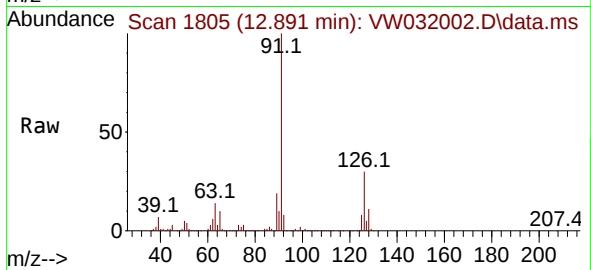




#79
2-Chlorotoluene
Concen: 49.443 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

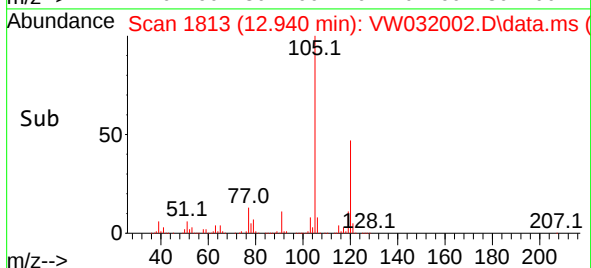
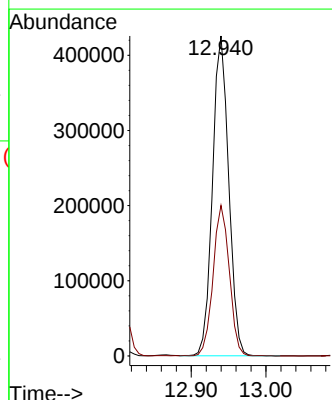
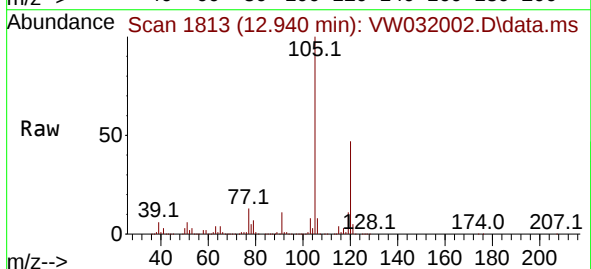
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 558833
Ion Ratio Lower Upper
91 100
126 30.6 15.6 46.8



#80
1,3,5-Trimethylbenzene
Concen: 49.717 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 105 Resp: 642679
Ion Ratio Lower Upper
105 100
120 47.3 23.5 70.5

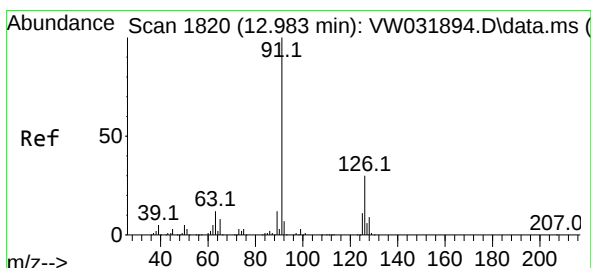
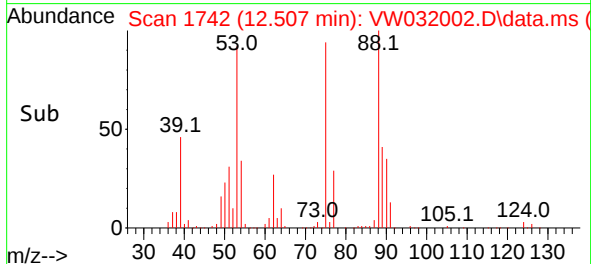
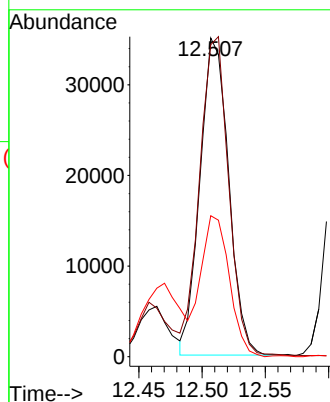
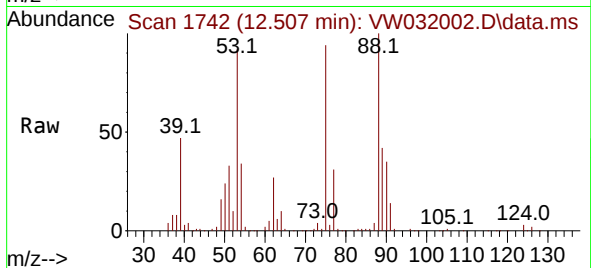




#81
trans-1,4-Dichloro-2-butene
Concen: 51.886 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

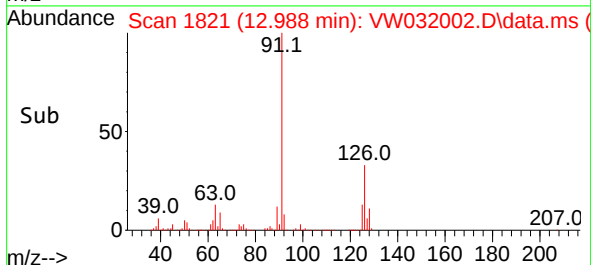
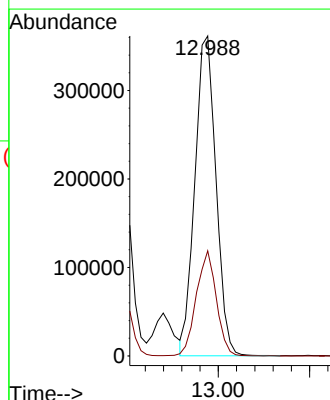
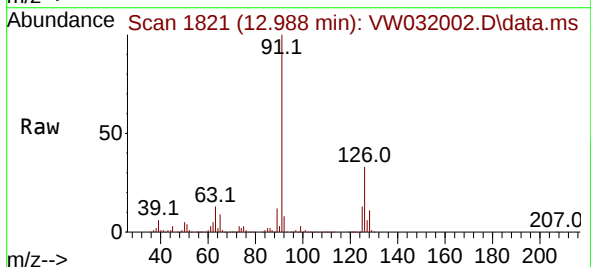
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

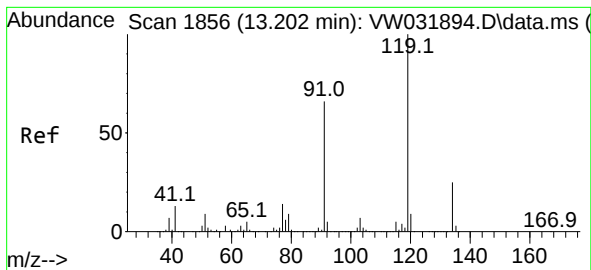
Tgt Ion: 75 Resp: 55119
Ion Ratio Lower Upper
75 100
53 102.3 83.7 125.5
89 44.2 39.0 58.6



#82
4-Chlorotoluene
Concen: 48.829 ug/l
RT: 12.988 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 91 Resp: 578985
Ion Ratio Lower Upper
91 100
126 31.4 15.8 47.3

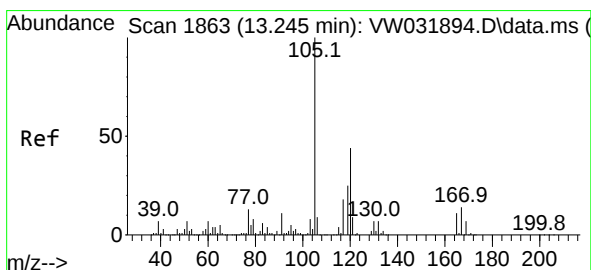
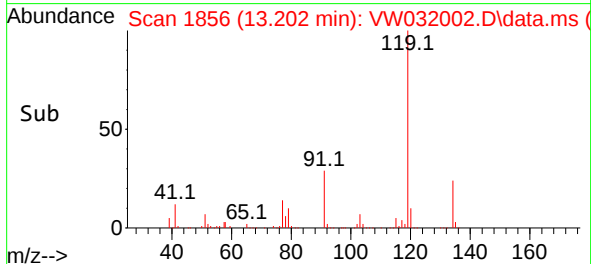
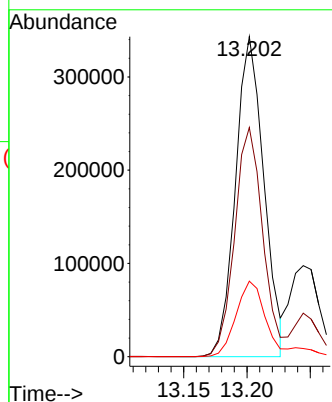
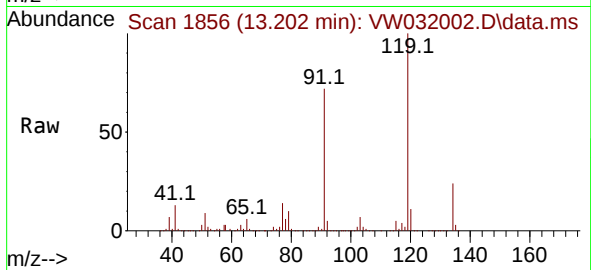




#83
tert-Butylbenzene
Concen: 48.682 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

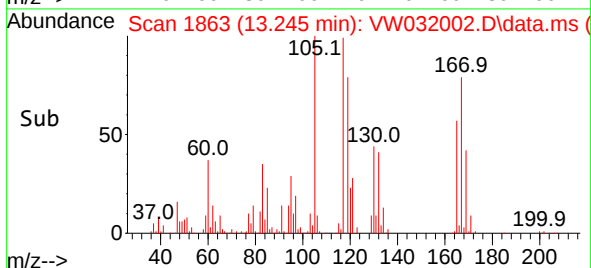
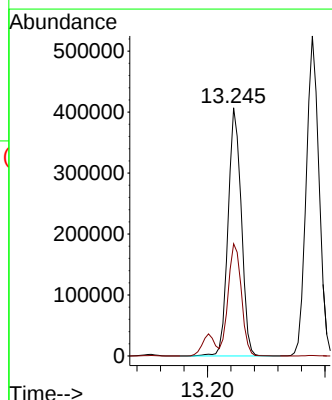
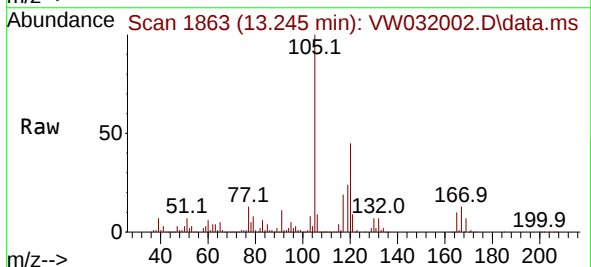
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

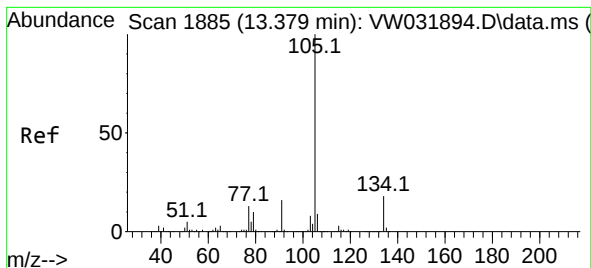
Tgt Ion:119 Resp: 536042
Ion Ratio Lower Upper
119 100
91 72.0 35.5 106.5
134 24.3 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 48.501 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:105 Resp: 634587
Ion Ratio Lower Upper
105 100
120 45.3 21.3 63.9





#85

sec-Butylbenzene

Concen: 47.871 ug/l

RT: 13.379 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

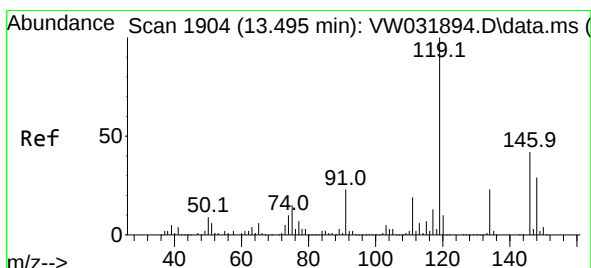
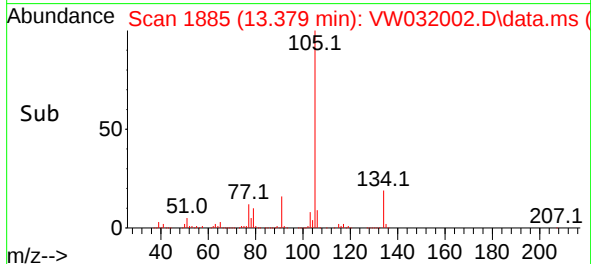
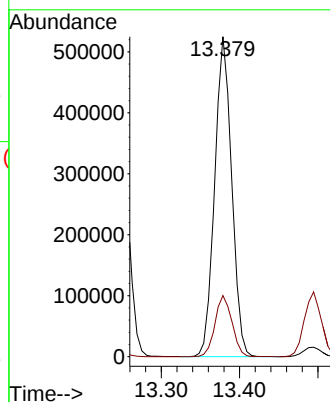
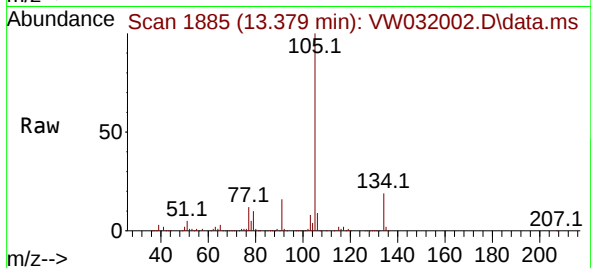
VSTDCCC050EC

Tgt Ion:105 Resp: 791591

Ion Ratio Lower Upper

105 100

134 19.1 9.2 27.6



#86

p-Isopropyltoluene

Concen: 48.416 ug/l

RT: 13.494 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

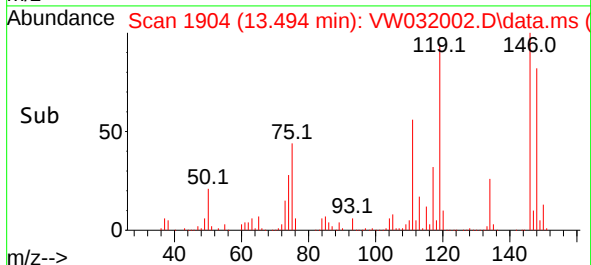
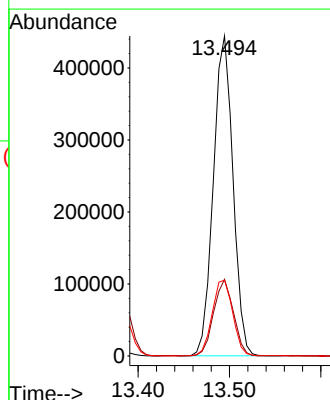
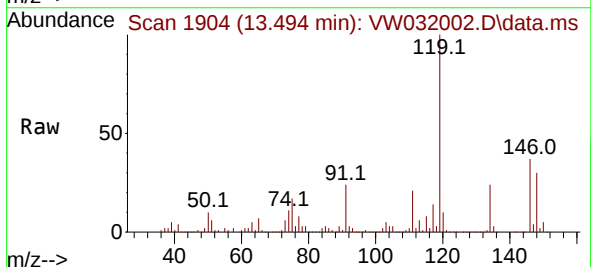
Tgt Ion:119 Resp: 661739

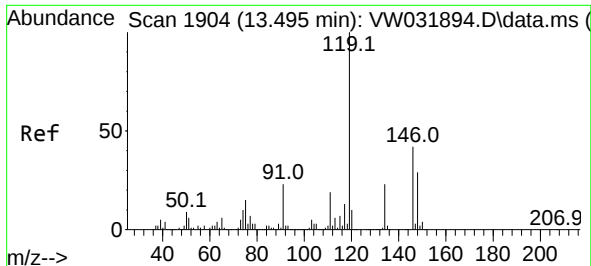
Ion Ratio Lower Upper

119 100

134 24.3 13.0 39.0

91 24.7 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 45.186 ug/l

RT: 13.501 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

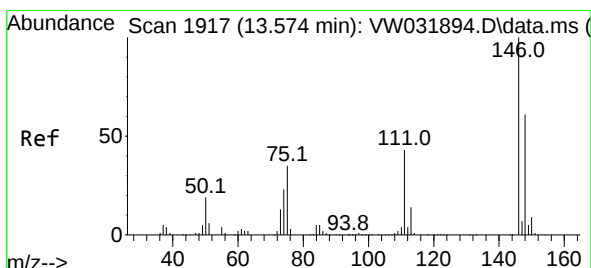
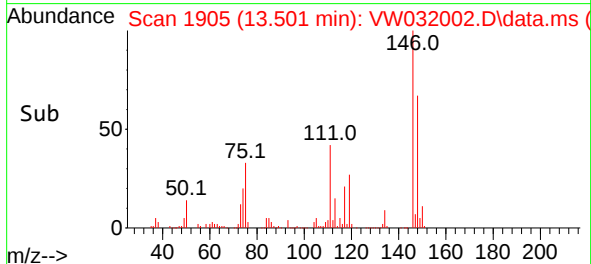
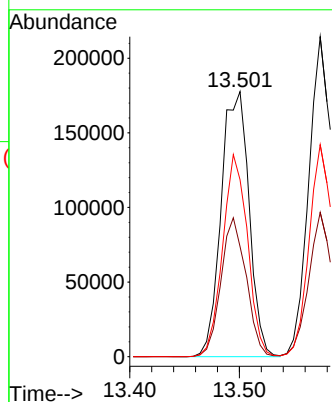
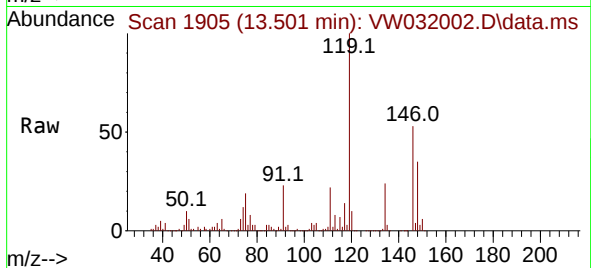
Tgt Ion:146 Resp: 313676

Ion Ratio Lower Upper

146 100

111 47.3 21.9 65.7

148 68.1 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 49.938 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

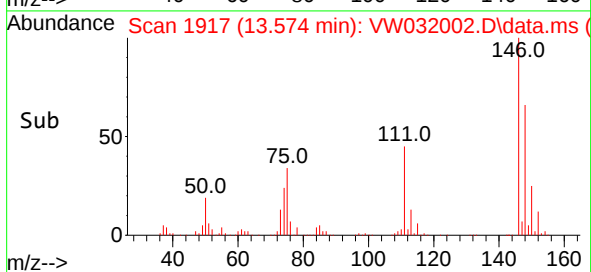
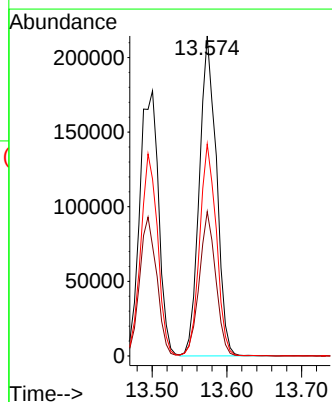
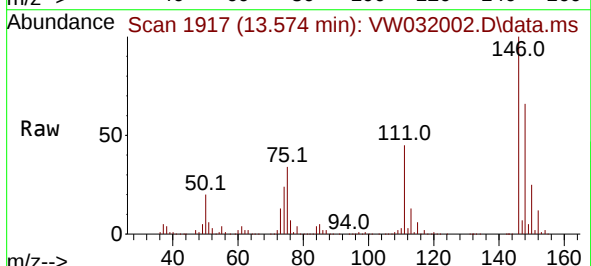
Tgt Ion:146 Resp: 339595

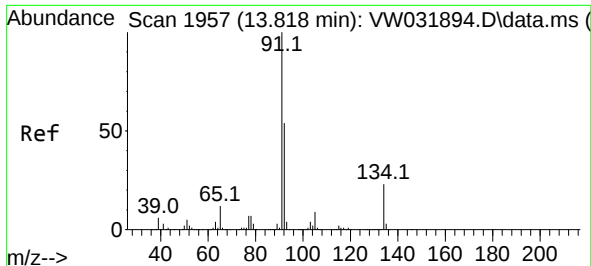
Ion Ratio Lower Upper

146 100

111 43.6 22.1 66.3

148 64.8 31.8 95.3





#89

n-Butylbenzene

Concen: 48.742 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

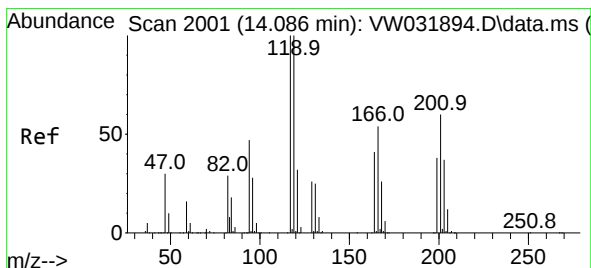
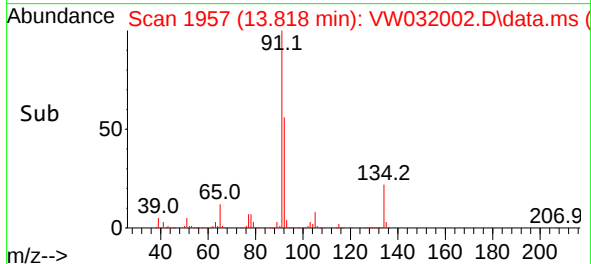
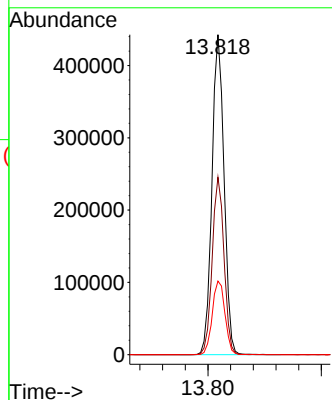
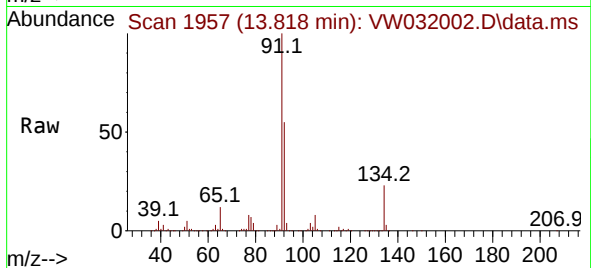
Tgt Ion: 91 Resp: 653516

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

134 24.2 11.6 34.7



#90

Hexachloroethane

Concen: 48.040 ug/l

RT: 14.092 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VW032002.D

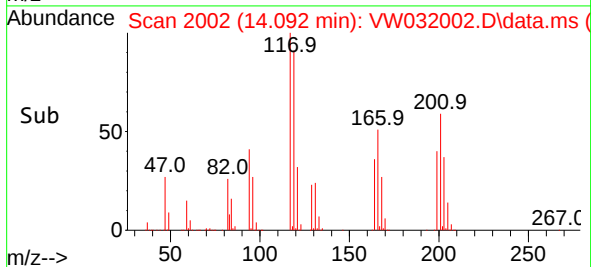
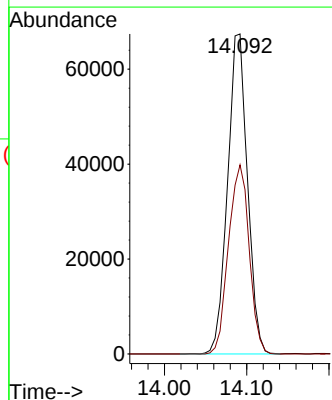
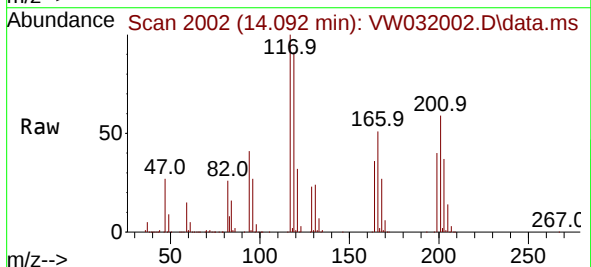
Acq: 04 Aug 2025 15:24

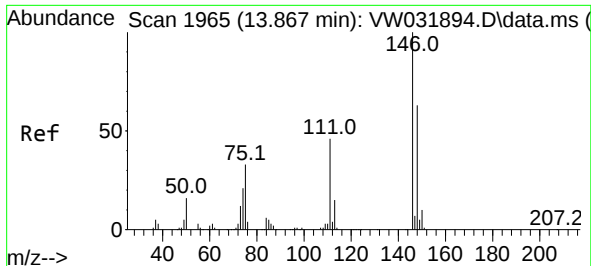
Tgt Ion: 117 Resp: 113537

Ion Ratio Lower Upper

117 100

201 61.4 28.4 85.2





#91

1,2-Dichlorobenzene

Concen: 51.389 ug/l

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

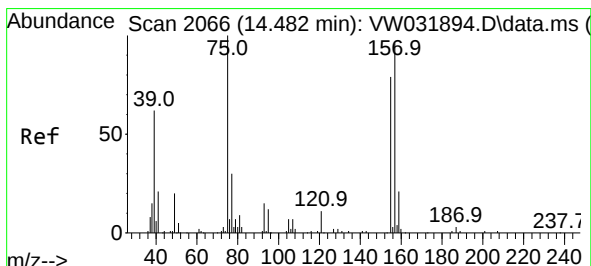
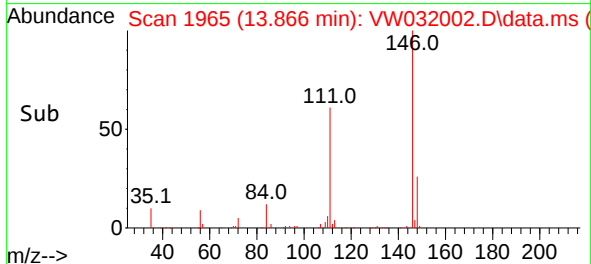
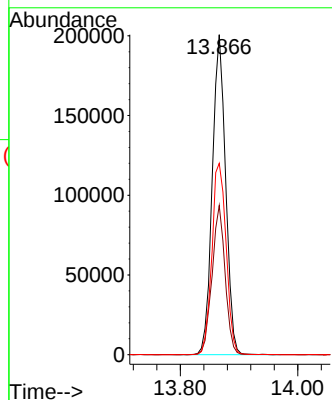
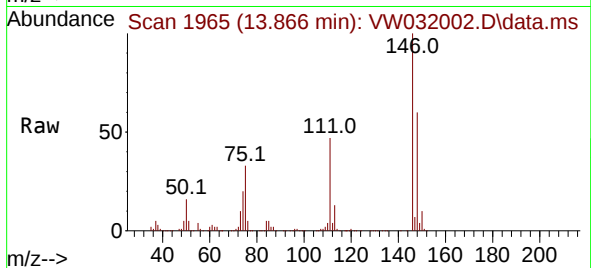
Tgt Ion:146 Resp: 316158

Ion Ratio Lower Upper

146 100

111 45.8 23.6 71.0

148 63.9 32.4 97.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.606 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

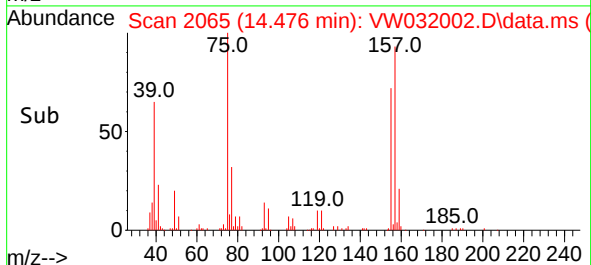
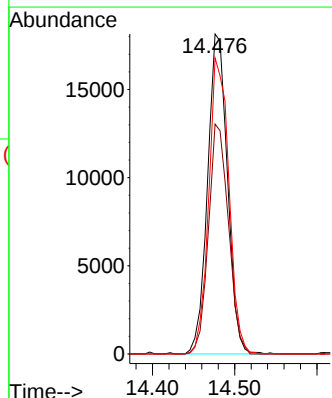
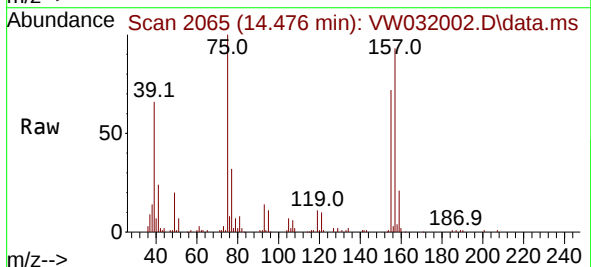
Tgt Ion: 75 Resp: 30503

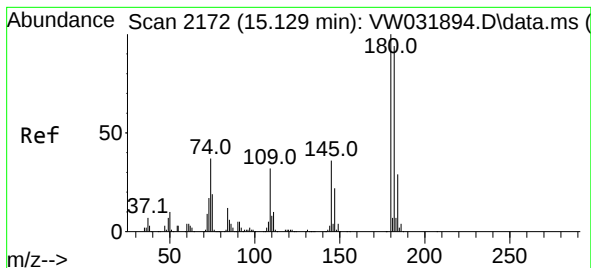
Ion Ratio Lower Upper

75 100

155 72.3 35.9 107.7

157 93.3 47.4 142.2





#93

1,2,4-Trichlorobenzene

Concen: 49.590 ug/l

RT: 15.122 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

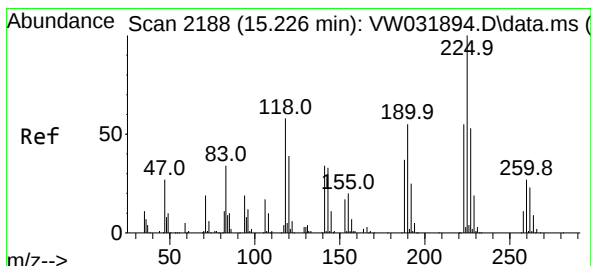
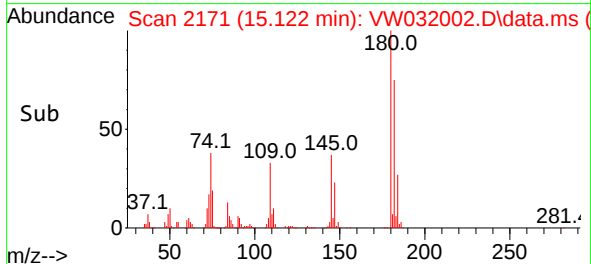
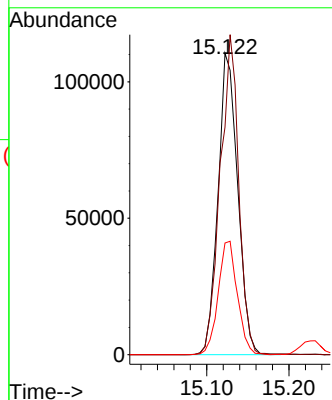
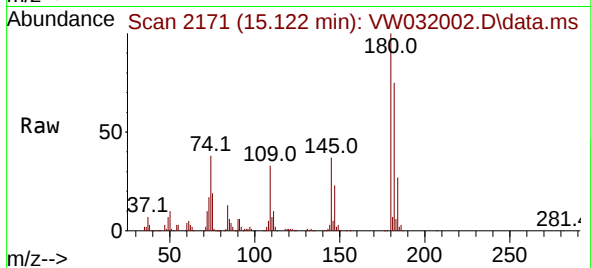
Tgt Ion:180 Resp: 183993

Ion Ratio Lower Upper

180 100

182 100.1 51.0 153.1

145 36.7 18.4 55.4



#94

Hexachlorobutadiene

Concen: 47.777 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

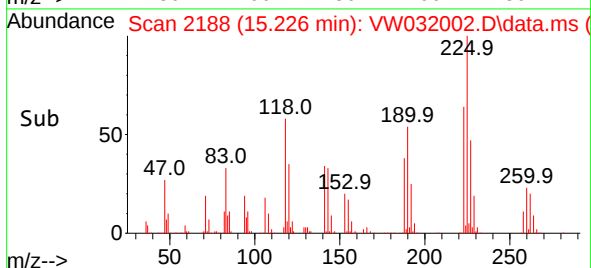
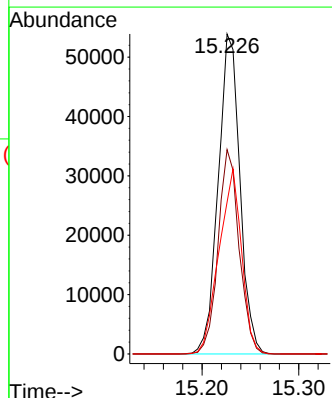
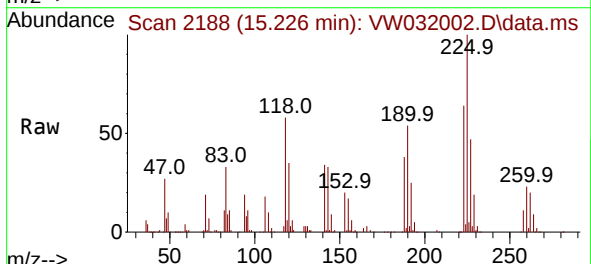
Tgt Ion:225 Resp: 83998

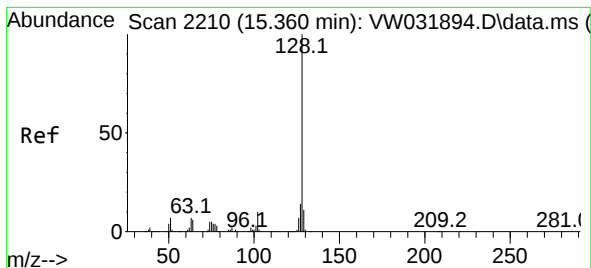
Ion Ratio Lower Upper

225 100

223 62.0 30.9 92.7

227 60.0 30.0 90.1





#95

Naphthalene

Concen: 52.726 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

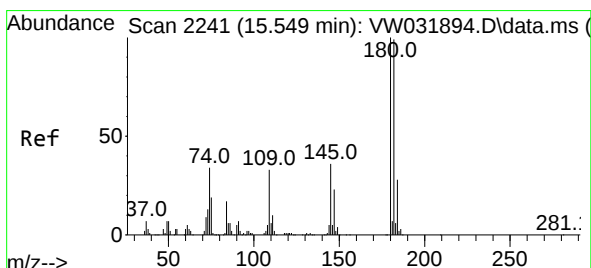
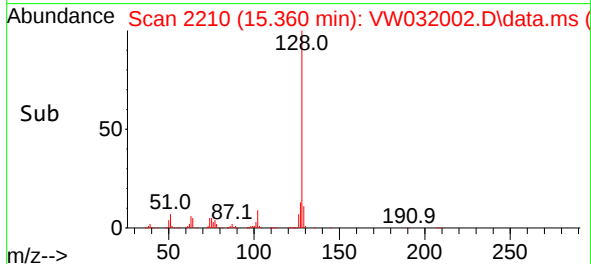
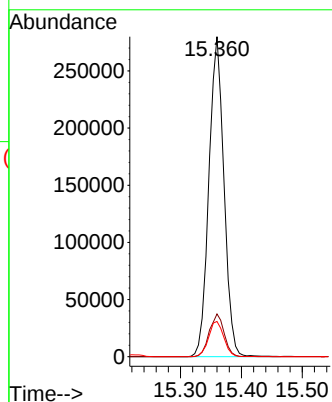
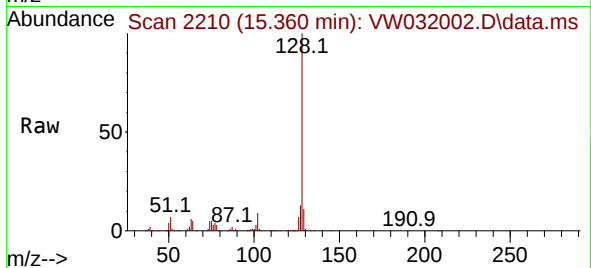
Tgt Ion:128 Resp: 480952

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 11.1 9.2 13.8



#96

1,2,3-Trichlorobenzene

Concen: 51.272 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW032002.D

Acq: 04 Aug 2025 15:24

Tgt Ion:180 Resp: 172358

Ion Ratio Lower Upper

180 100

182 91.1 50.4 151.2

145 35.9 18.6 55.8

