

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032052.D
 Acq On : 11 Aug 2025 08:25
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 12 03:36:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	225574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	391234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	196943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	16827	5.158	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	10.320%#
35) Dibromofluoromethane	7.898	113	14278	5.205	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	10.400%#
50) Toluene-d8	10.331	98	49876	4.916	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	9.840%#
62) 4-Bromofluorobenzene	12.617	95	18184	4.863	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	9.720%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	9007	5.583	ug/l	100
3) Chloromethane	2.253	50	12377	5.695	ug/l	95
4) Vinyl Chloride	2.399	62	14029	5.337	ug/l	91
5) Bromomethane	2.826	94	10878	5.516	ug/l	95
6) Chloroethane	2.966	64	9219	5.300	ug/l	98
7) Trichlorofluoromethane	3.302	101	12298	5.840	ug/l	94
8) Diethyl Ether	3.716	74	8824	5.114	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	13903	5.596	ug/l	94
10) Methyl Iodide	4.301	142	17789	5.050	ug/l	99
11) Tert butyl alcohol	5.222	59	5328	25.221	ug/l	94
12) 1,1-Dichloroethene	4.076	96	14655	5.357	ug/l	94
13) Acrolein	3.929	56	9831	29.207	ug/l	89
14) Allyl chloride	4.698	41	19999	5.023	ug/l	98
15) Acrylonitrile	5.399	53	20340	24.751	ug/l	99
16) Acetone	4.161	43	22915	30.337	ug/l	99
17) Carbon Disulfide	4.417	76	38213	5.204	ug/l	96
18) Methyl Acetate	4.704	43	10943	4.578	ug/l #	76
19) Methyl tert-butyl Ether	5.460	73	23062	4.785	ug/l	99
20) Methylene Chloride	4.954	84	23529	6.737	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	14671	5.053	ug/l	93
22) Diisopropyl ether	6.338	45	38895	4.634	ug/l	94
23) Vinyl Acetate	6.283	43	124477	22.588	ug/l	98
24) 1,1-Dichloroethane	6.246	63	26909	5.018	ug/l	99
25) 2-Butanone	7.197	43	26284	24.484	ug/l	100
26) 2,2-Dichloropropane	7.185	77	14330	5.326	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	16041	4.727	ug/l	98
28) Bromochloromethane	7.526	49	12660	5.188	ug/l	98
29) Tetrahydrofuran	7.551	42	16965	23.963	ug/l	96
30) Chloroform	7.691	83	28586	5.028	ug/l	99
31) Cyclohexane	7.959	56	26393	5.677	ug/l #	83
32) 1,1,1-Trichloroethane	7.880	97	21662	5.246	ug/l	96
36) 1,1-Dichloropropene	8.099	75	19468	5.034	ug/l	99
37) Ethyl Acetate	7.276	43	11365	4.990	ug/l	99
38) Carbon Tetrachloride	8.081	117	18734	5.020	ug/l	92
39) Methylcyclohexane	9.337	83	22284	4.728	ug/l	94
40) Benzene	8.331	78	59395	4.941	ug/l	98

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Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	5910	4.576	ug/l #	95
42) 1,2-Dichloroethane	8.410	62	19560	5.085	ug/l	99
43) Isopropyl Acetate	8.435	43	19928	4.756	ug/l	98
44) Trichloroethene	9.093	130	14999	5.240	ug/l	93
45) 1,2-Dichloropropane	9.374	63	14387	4.954	ug/l	98
46) Dibromomethane	9.465	93	9753	5.204	ug/l	97
47) Bromodichloromethane	9.648	83	21279	4.927	ug/l	100
48) Methyl methacrylate	9.441	41	8949	4.424	ug/l	97
49) 1,4-Dioxane	9.465	88	2259	93.217	ug/l #	85
51) 4-Methyl-2-Pentanone	10.215	43	56184	23.755	ug/l	98
52) Toluene	10.386	92	35525	4.692	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	18259	4.513	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	21173	4.612	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	12594	5.057	ug/l	95
56) Ethyl methacrylate	10.648	69	14387	4.317	ug/l	95
57) 1,3-Dichloropropane	10.934	76	21654	4.988	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	41991	22.777	ug/l	98
59) 2-Hexanone	10.971	43	37796	23.074	ug/l	95
60) Dibromochloromethane	11.129	129	13654	4.799	ug/l	98
61) 1,2-Dibromoethane	11.239	107	11992	4.955	ug/l	100
64) Tetrachloroethene	10.861	164	11449	5.066	ug/l	93
65) Chlorobenzene	11.654	112	43515	5.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	13037	4.907	ug/l	98
67) Ethyl Benzene	11.727	91	67071	4.650	ug/l	97
68) m/p-Xylenes	11.837	106	50482	9.070	ug/l	96
69) o-Xylene	12.166	106	22602	4.393	ug/l	97
70) Styrene	12.178	104	39288	4.300	ug/l	98
71) Bromoform	12.349	173	7283	4.792	ug/l #	95
73) Isopropylbenzene	12.458	105	57306	4.164	ug/l	98
74) N-amyl acetate	12.269	43	16327	4.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.708	83	15805	4.836	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	19129	6.318	ug/l	57
77) Bromobenzene	12.745	156	14698	4.471	ug/l	97
78) n-propylbenzene	12.800	91	72140	4.257	ug/l	99
79) 2-Chlorotoluene	12.885	91	46879	4.483	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	49607	4.245	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	4520	4.378	ug/l	92
82) 4-Chlorotoluene	12.983	91	50782	4.570	ug/l	100
83) tert-Butylbenzene	13.202	119	39993	4.124	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	49891	4.194	ug/l	100
85) sec-Butylbenzene	13.379	105	64254	4.382	ug/l	98
86) p-Isopropyltoluene	13.495	119	51939	4.249	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	30445	4.654	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	32554	4.925	ug/l	95
89) n-Butylbenzene	13.818	91	51328	4.323	ug/l	99
90) Hexachloroethane	14.086	117	10372	4.640	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	28653	4.836	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2976	5.123	ug/l	93
93) 1,2,4-Trichlorobenzene	15.123	180	15646	4.414	ug/l	99
94) Hexachlorobutadiene	15.226	225	8109	5.118	ug/l	98
95) Naphthalene	15.360	128	34667	3.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14053	4.357	ug/l	92

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Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

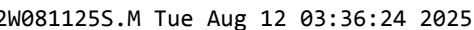
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MSVOA_W
ClientSampleId :
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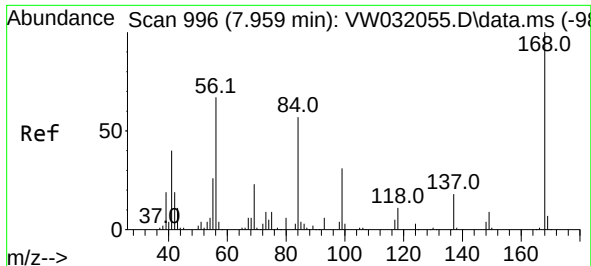
Quant Time: Aug 12 03:36:10 2025
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Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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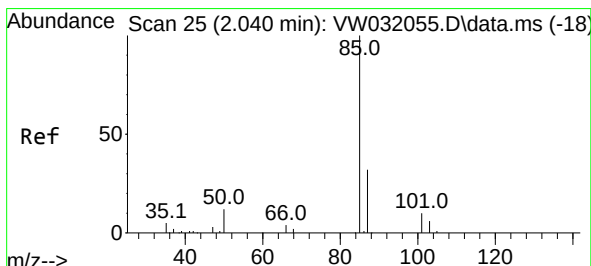
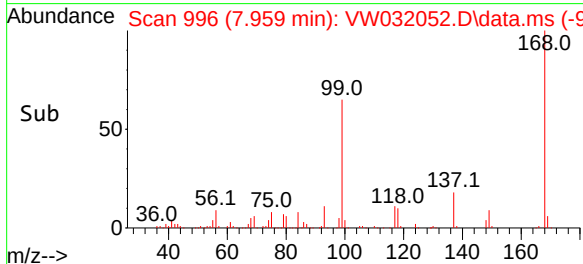
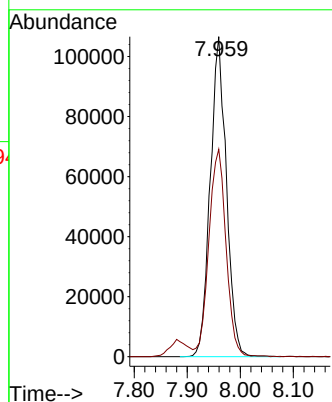
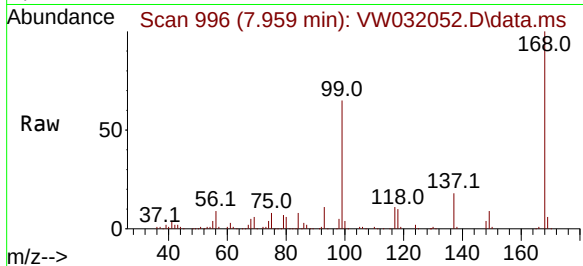




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

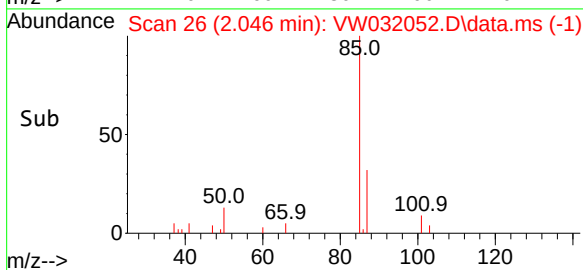
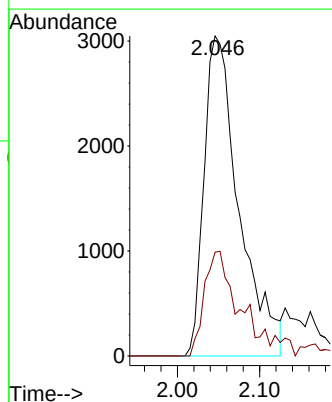
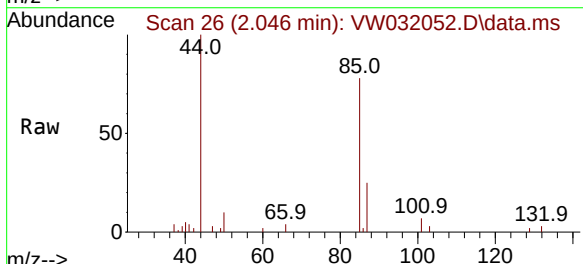
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

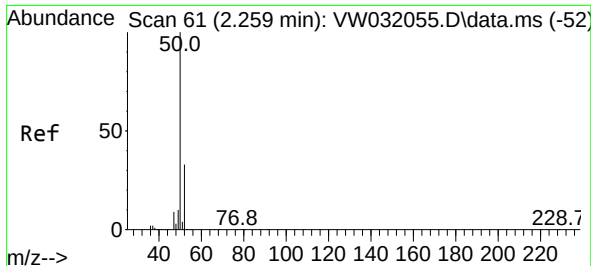
Tgt Ion:168 Resp: 225574
Ion Ratio Lower Upper
168 100
99 64.7 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 5.583 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 85 Resp: 9007
Ion Ratio Lower Upper
85 100
87 32.5 16.2 48.6

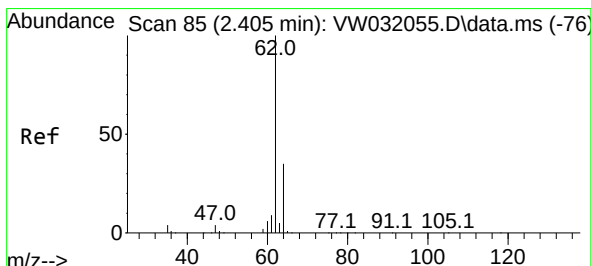
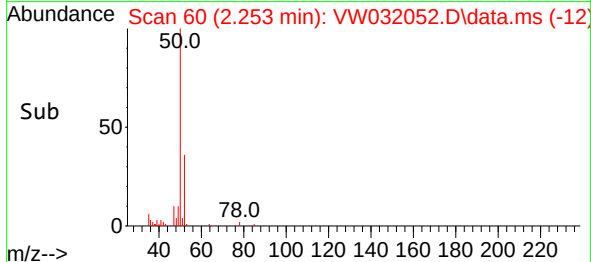
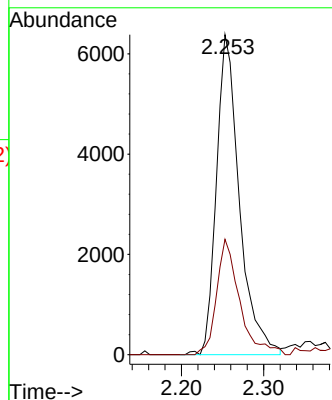
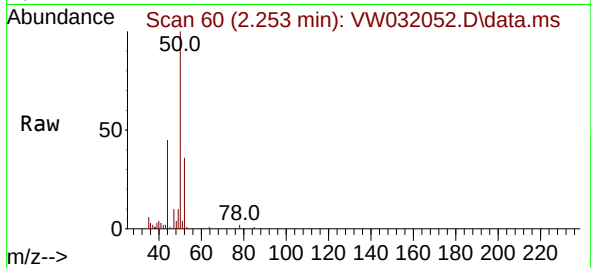




#3
Chloromethane
Concen: 5.695 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

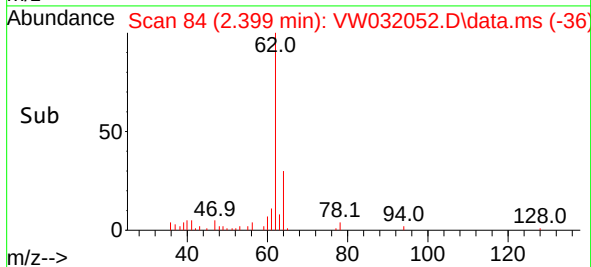
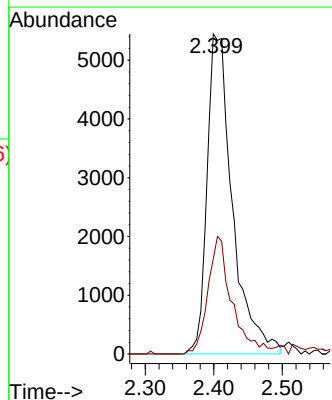
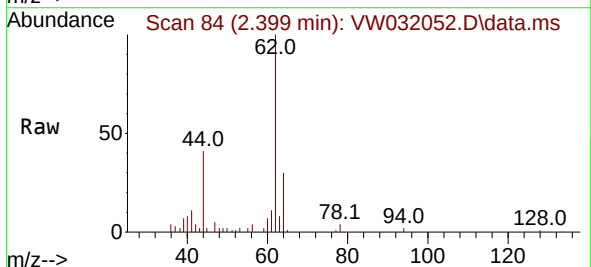
Instrument :
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ClientSampleId :
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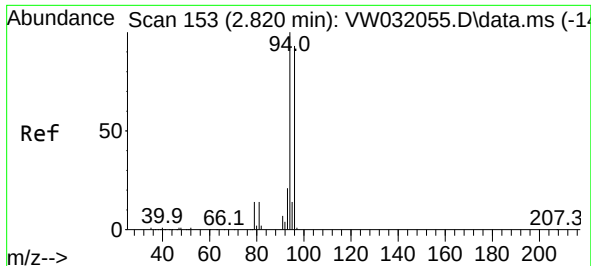
Tgt Ion: 50 Resp: 12377
Ion Ratio Lower Upper
50 100
52 36.1 26.6 39.8



#4
Vinyl Chloride
Concen: 5.337 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 62 Resp: 14029
Ion Ratio Lower Upper
62 100
64 29.8 27.8 41.6

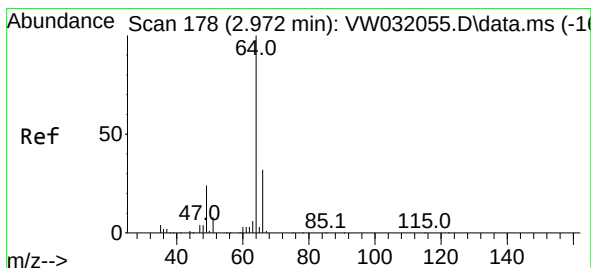
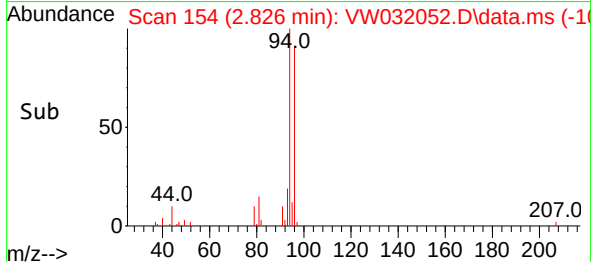
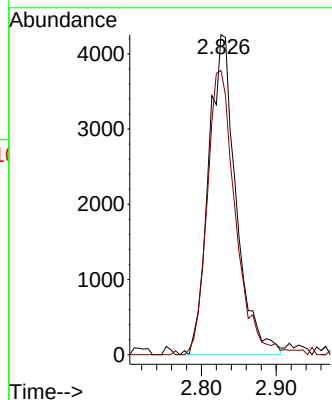
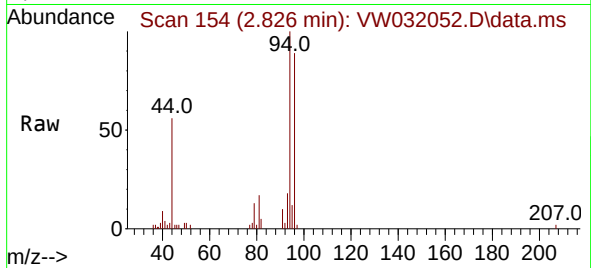




#5
Bromomethane
Concen: 5.516 ug/l
RT: 2.826 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

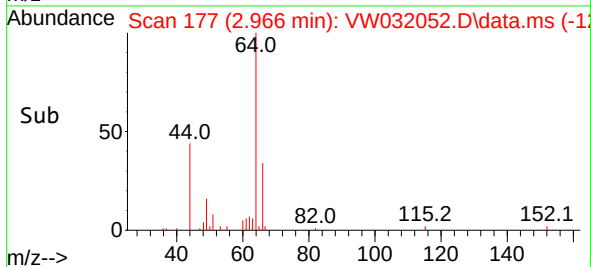
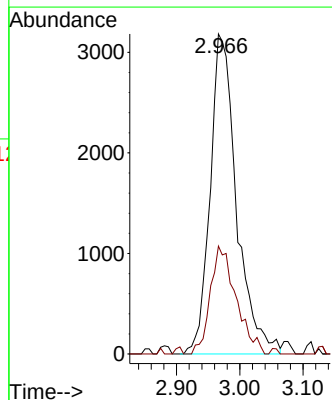
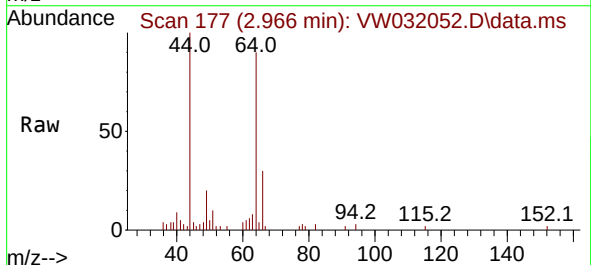
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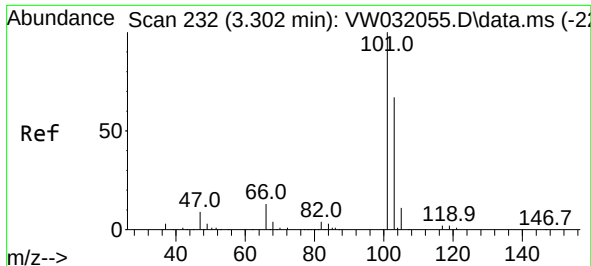
Tgt Ion: 94 Resp: 10878
Ion Ratio Lower Upper
94 100
96 88.8 74.7 112.1



#6
Chloroethane
Concen: 5.300 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 64 Resp: 9219
Ion Ratio Lower Upper
64 100
66 33.7 26.0 39.0

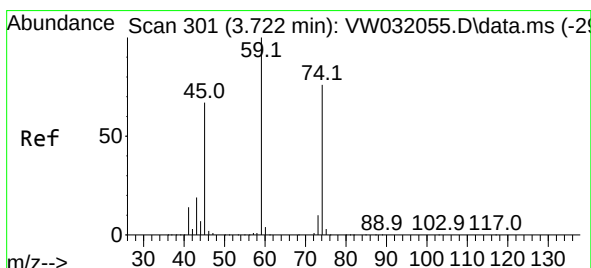
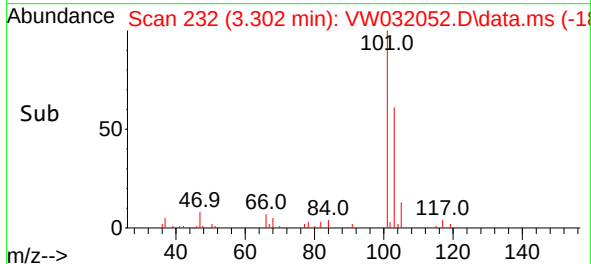
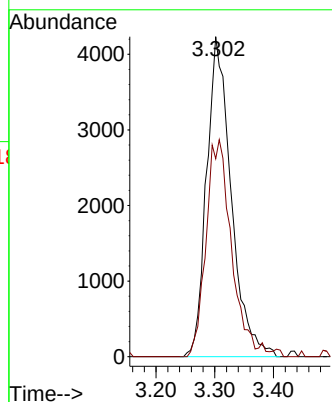
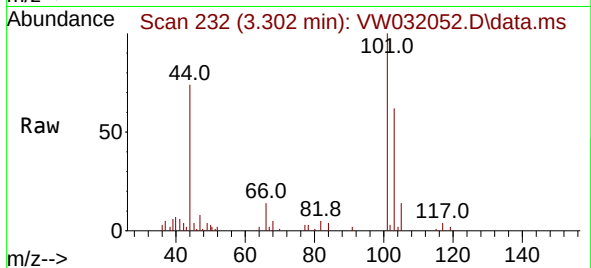




#7
 Trichlorofluoromethane
 Concen: 5.840 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

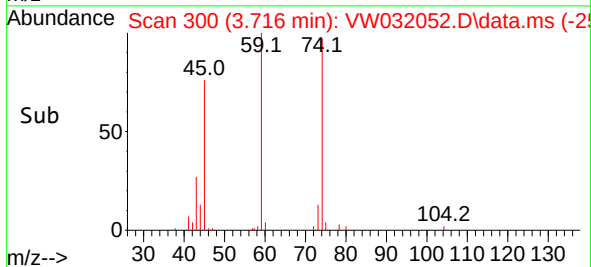
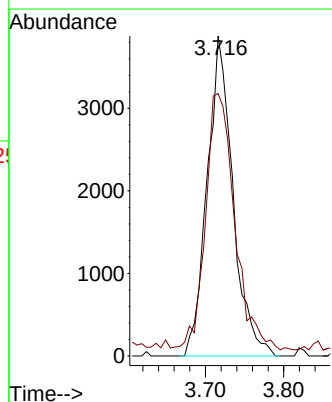
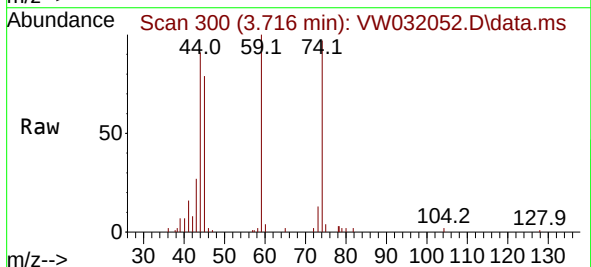
Instrument :
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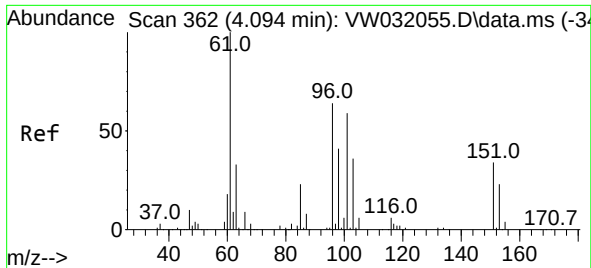
Tgt Ion:101 Resp: 12298
 Ion Ratio Lower Upper
 101 100
 103 61.8 53.4 80.0



#8
 Diethyl Ether
 Concen: 5.114 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. -0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion: 74 Resp: 8824
 Ion Ratio Lower Upper
 74 100
 45 92.8 45.4 136.2

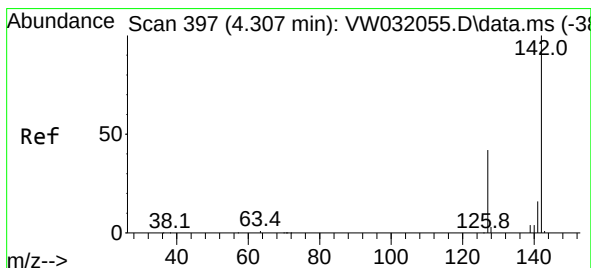
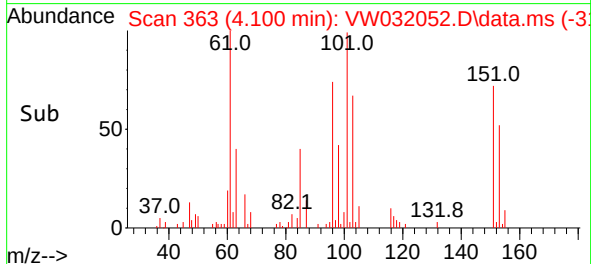
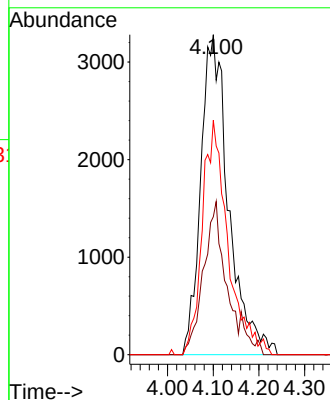
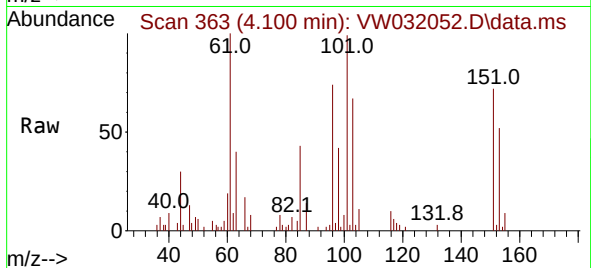




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.596 ug/l
 RT: 4.100 min Scan# 363
 Delta R.T. 0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

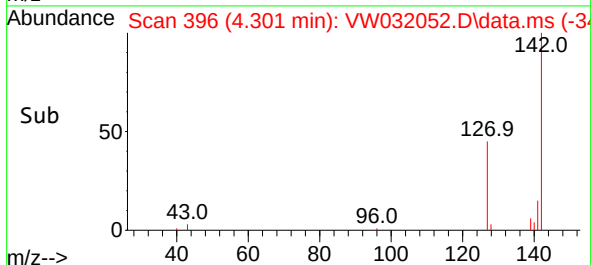
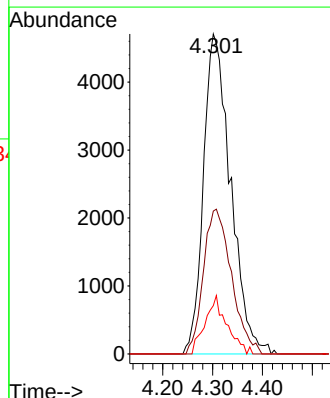
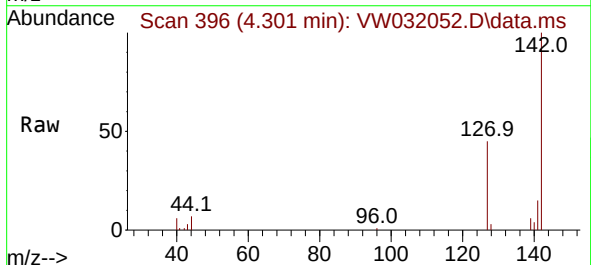
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

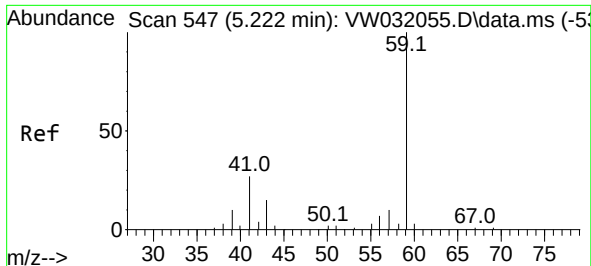
Tgt Ion:101 Resp: 13903
 Ion Ratio Lower Upper
 101 100
 85 36.9 34.9 52.3
 151 67.0 56.2 84.4



#10
 Methyl Iodide
 Concen: 5.050 ug/l
 RT: 4.301 min Scan# 396
 Delta R.T. -0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion:142 Resp: 17789
 Ion Ratio Lower Upper
 142 100
 127 46.8 36.6 55.0
 141 14.6 12.1 18.1

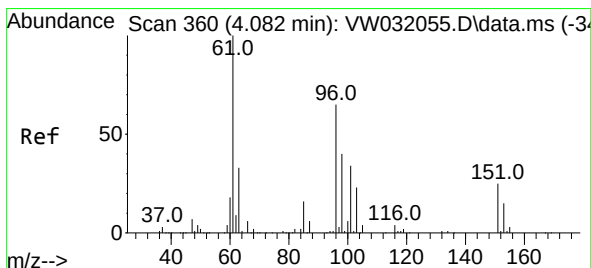
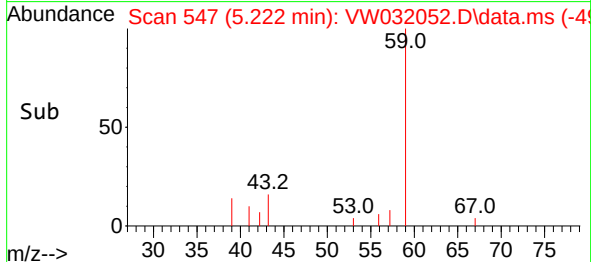
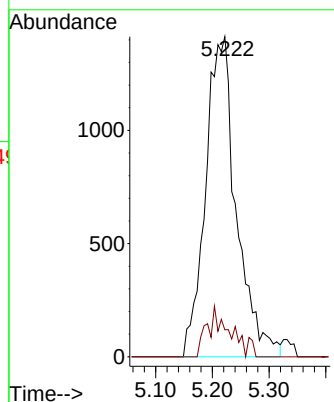
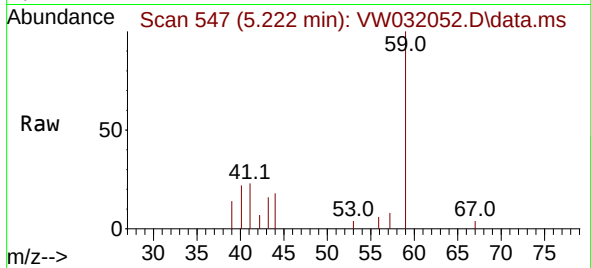




#11
Tert butyl alcohol
Concen: 25.221 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

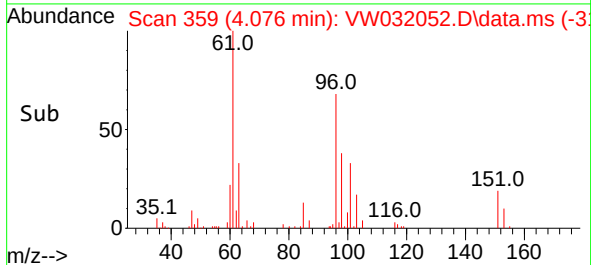
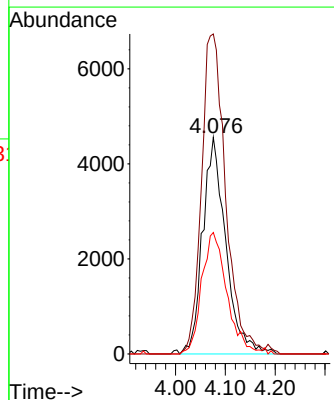
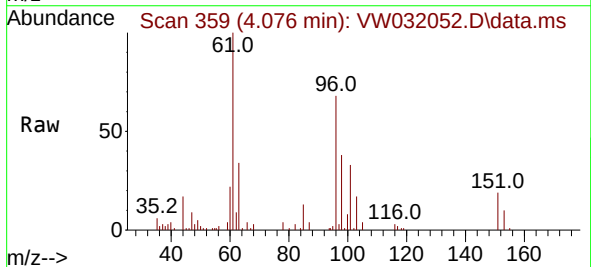
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

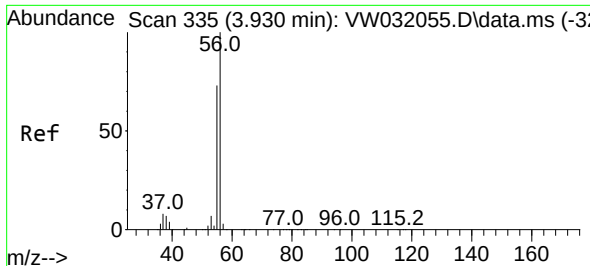
Tgt Ion: 59 Resp: 5328
Ion Ratio Lower Upper
59 100
57 8.7 8.7 13.1



#12
1,1-Dichloroethene
Concen: 5.357 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 96 Resp: 14655
Ion Ratio Lower Upper
96 100
61 147.7 123.4 185.2
98 56.0 49.5 74.3





#13

Acrolein

Concen: 29.207 ug/l

RT: 3.929 min Scan# 31

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

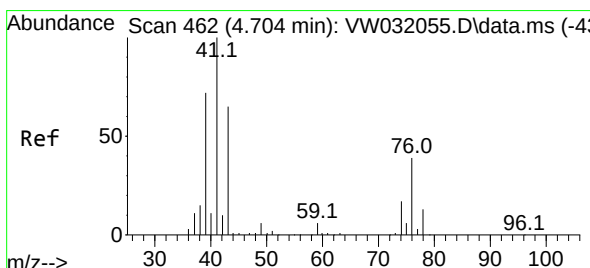
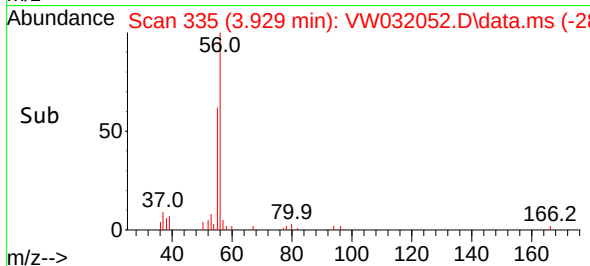
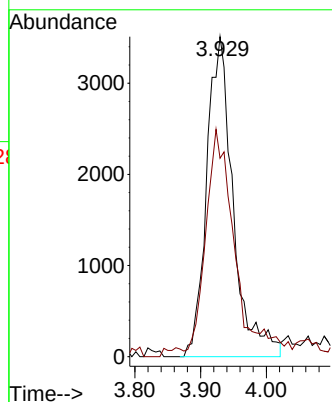
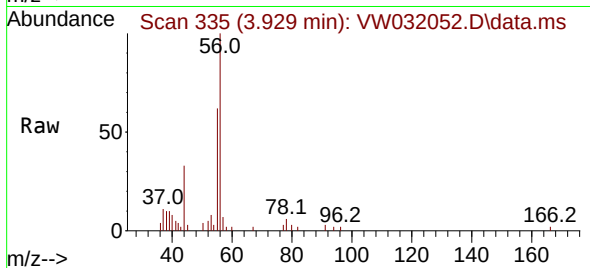
VSTDICC005

Tgt Ion: 56 Resp: 9831

Ion Ratio Lower Upper

56 100

55 78.5 55.4 83.2



#14

Allyl chloride

Concen: 5.023 ug/l

RT: 4.698 min Scan# 461

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

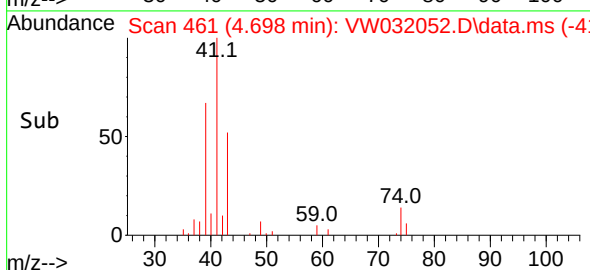
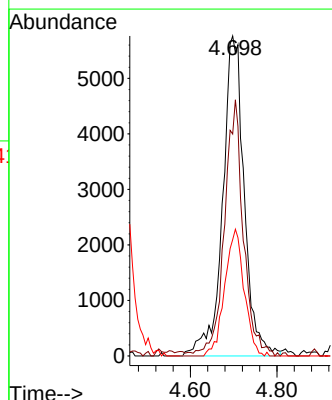
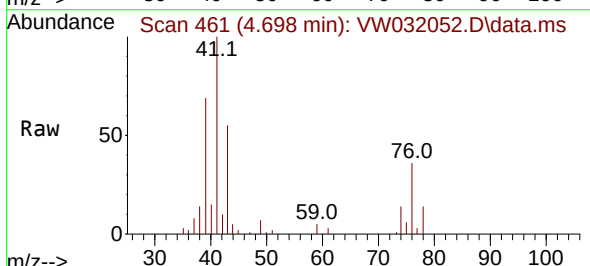
Tgt Ion: 41 Resp: 19999

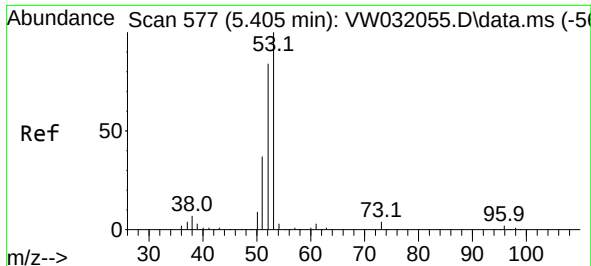
Ion Ratio Lower Upper

41 100

39 70.2 54.5 81.7

76 35.7 29.3 43.9

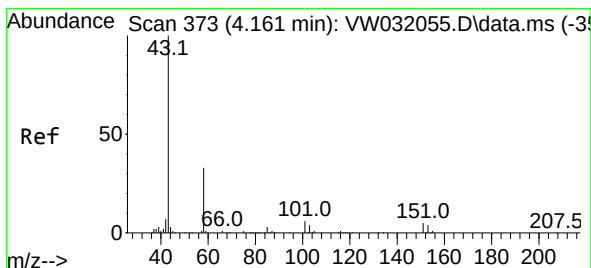
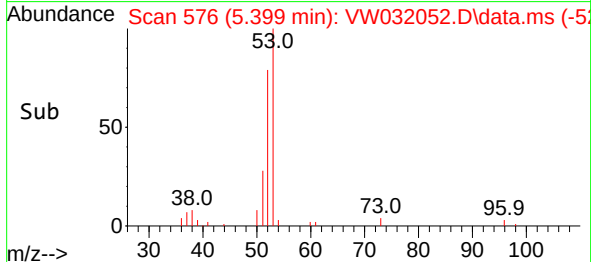
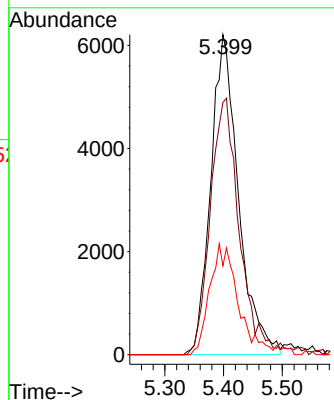
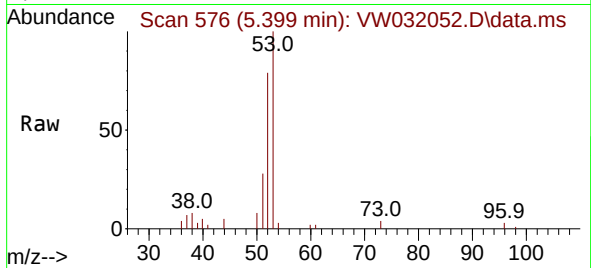




#15
Acrylonitrile
Concen: 24.751 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

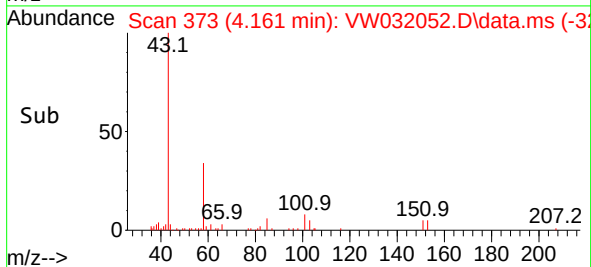
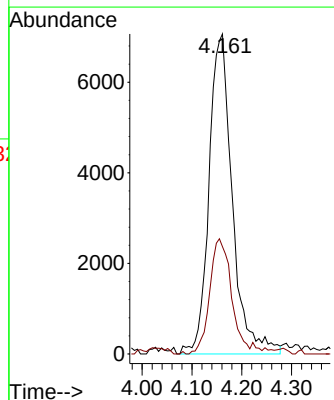
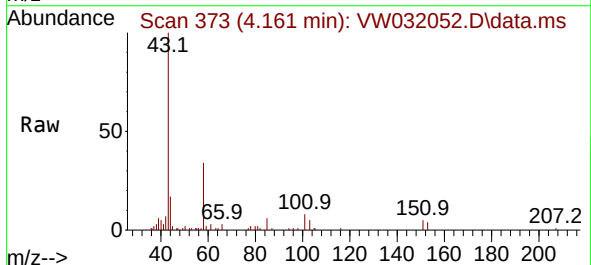
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

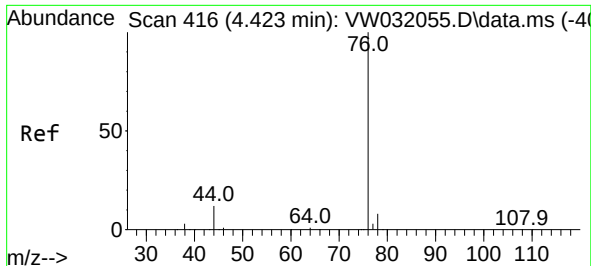
Tgt Ion: 53 Resp: 20340
Ion Ratio Lower Upper
53 100
52 83.0 66.1 99.1
51 35.2 29.2 43.8



#16
Acetone
Concen: 30.337 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 43 Resp: 22915
Ion Ratio Lower Upper
43 100
58 33.5 26.6 39.8

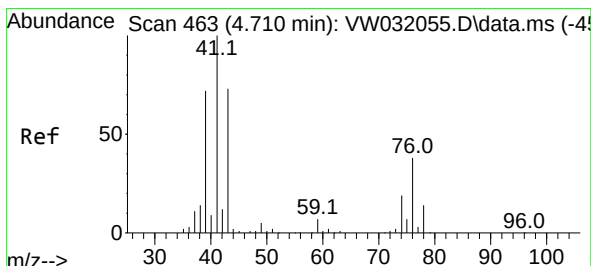
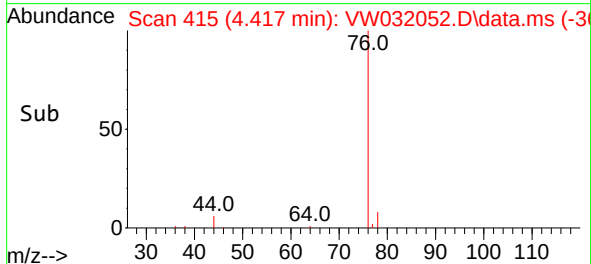
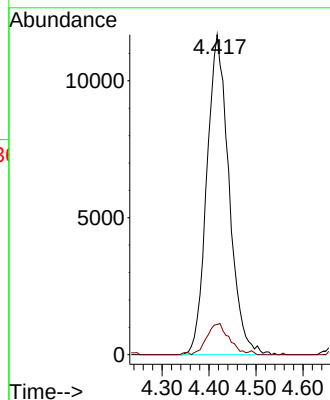
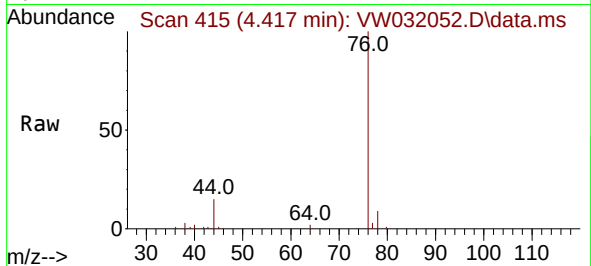




#17
Carbon Disulfide
Concen: 5.204 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

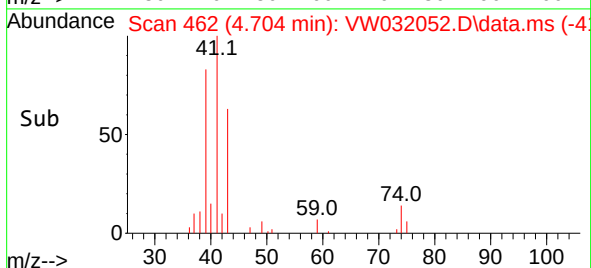
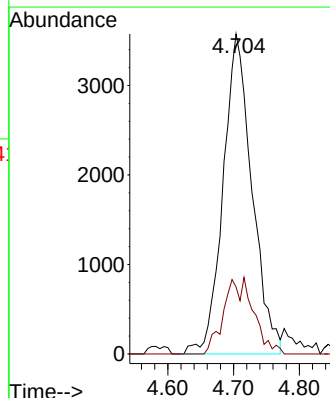
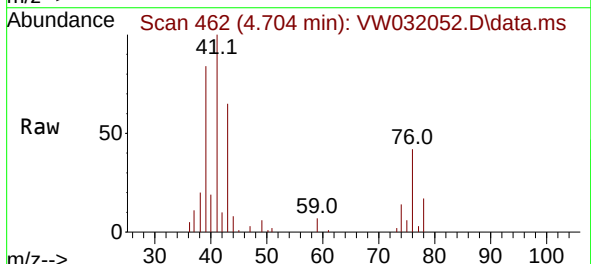
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

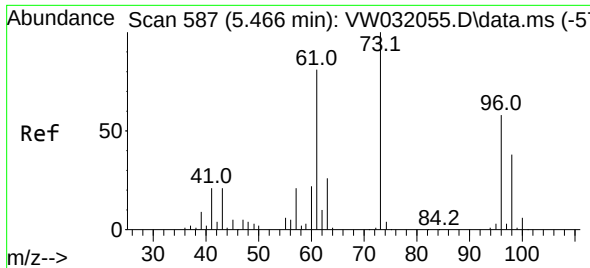
Tgt Ion: 76 Resp: 38213
Ion Ratio Lower Upper
76 100
78 9.4 6.4 9.6



#18
Methyl Acetate
Concen: 4.578 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 43 Resp: 10943
Ion Ratio Lower Upper
43 100
74 13.7 20.6 31.0#

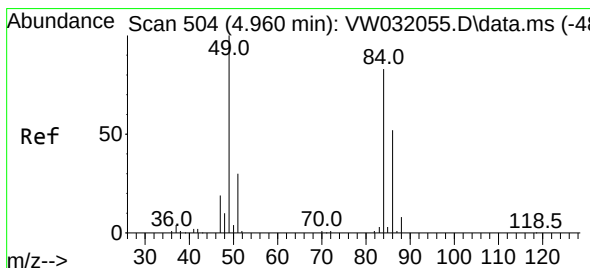
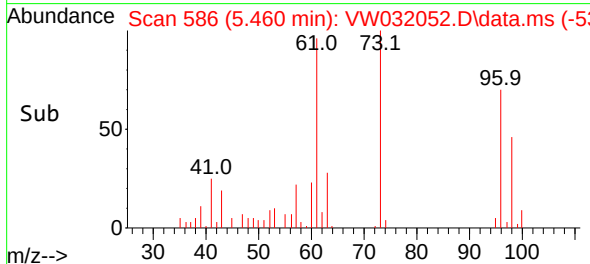
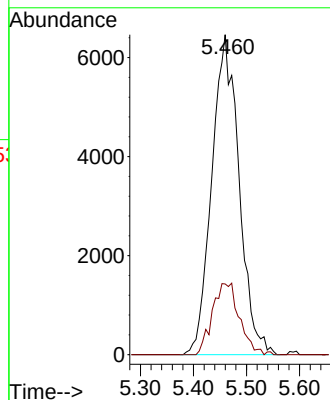
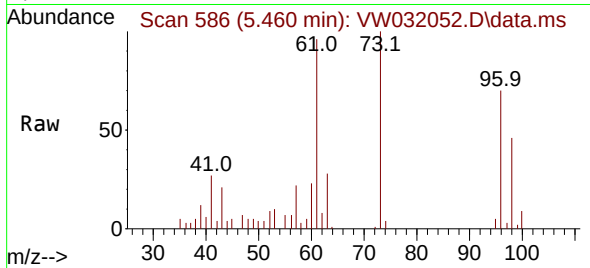




#19
Methyl tert-butyl Ether
Concen: 4.785 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

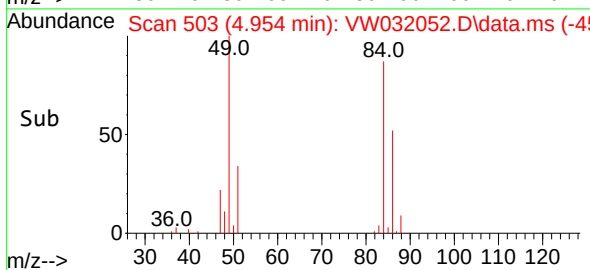
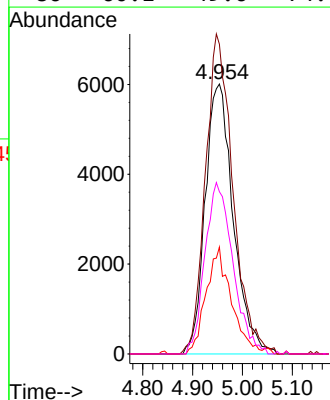
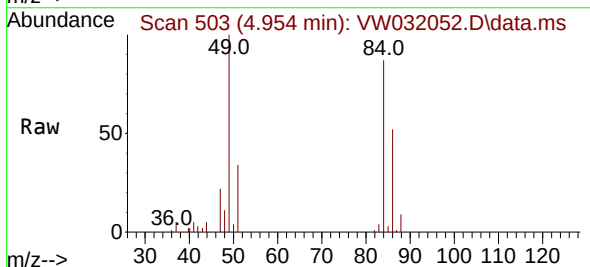
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

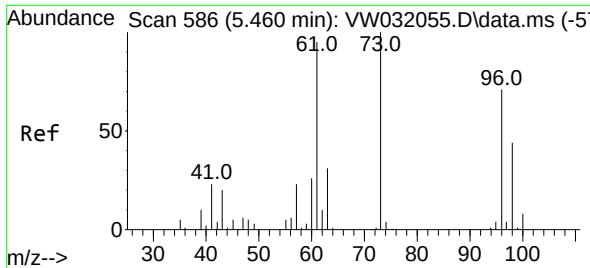
Tgt Ion: 73 Resp: 23062
Ion Ratio Lower Upper
73 100
57 22.1 17.2 25.8



#20
Methylene Chloride
Concen: 6.737 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 84 Resp: 23529
Ion Ratio Lower Upper
84 100
49 114.8 95.9 143.9
51 39.6 28.6 43.0
86 60.1 49.6 74.4

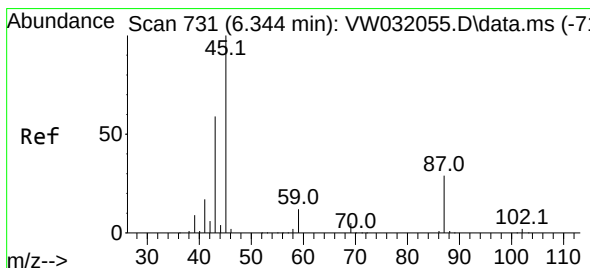
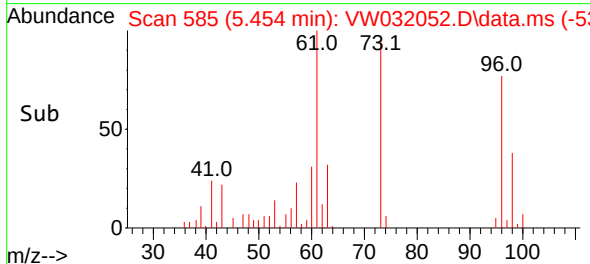
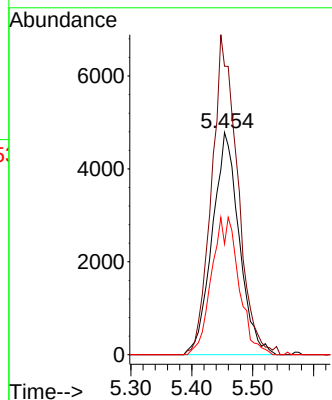
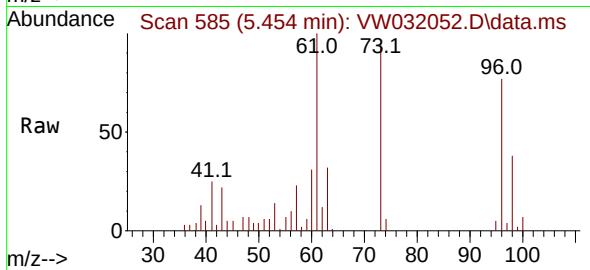




#21
trans-1,2-Dichloroethene
Concen: 5.053 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

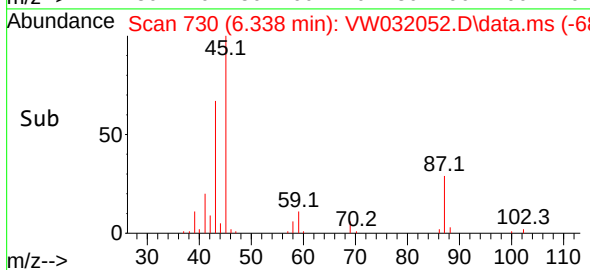
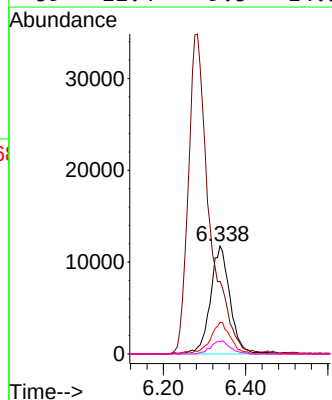
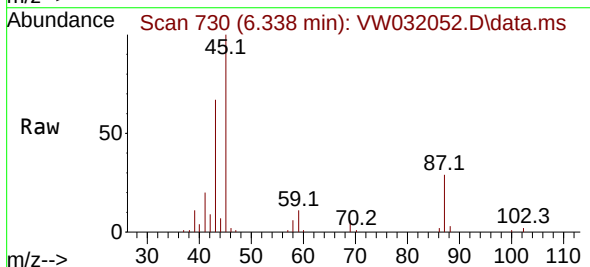
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

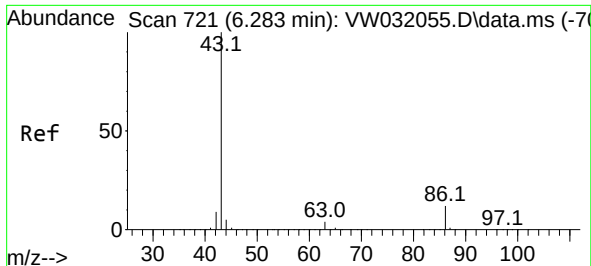
Tgt Ion: 96 Resp: 14671
Ion Ratio Lower Upper
96 100
61 129.9 106.8 160.2
98 49.8 49.6 74.4



#22
Diisopropyl ether
Concen: 4.634 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 45 Resp: 38895
Ion Ratio Lower Upper
45 100
43 66.3 47.0 70.4
87 29.4 23.8 35.8
59 11.4 9.5 14.3

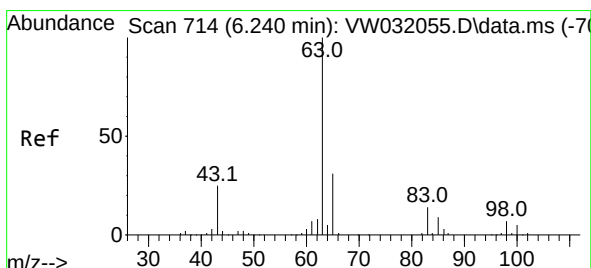
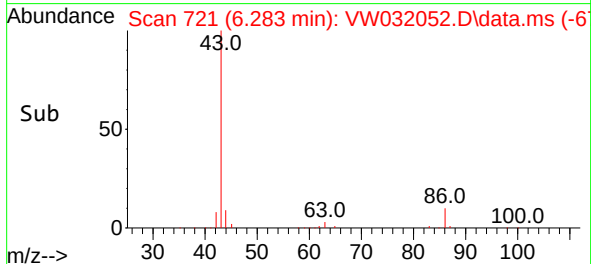
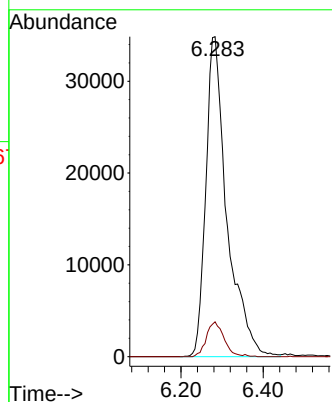
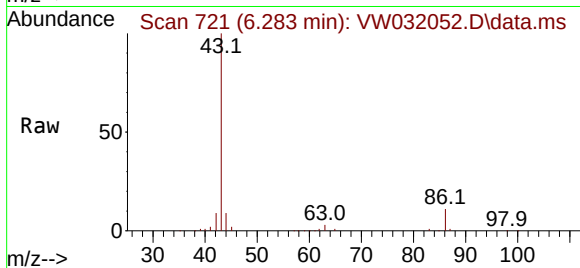




#23
 Vinyl Acetate
 Concen: 22.588 ug/l
 RT: 6.283 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

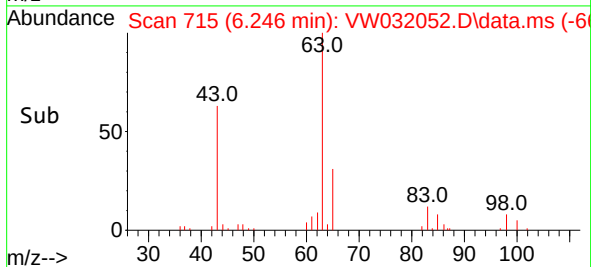
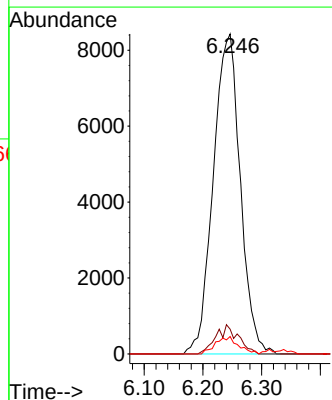
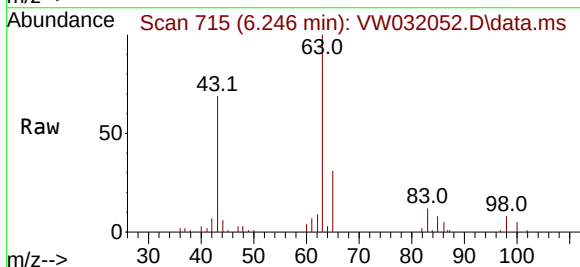
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

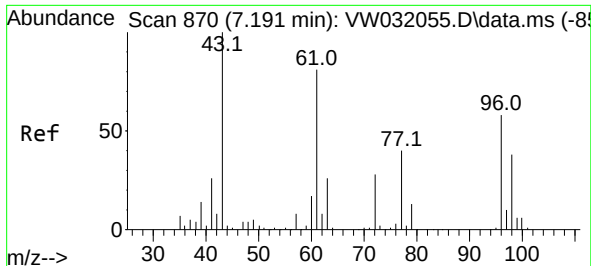
Tgt Ion: 43 Resp: 124477
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 5.018 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion: 63 Resp: 26909
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.7 11.1
 100 5.4 2.5 7.4

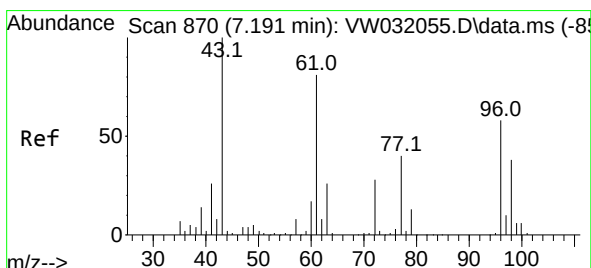
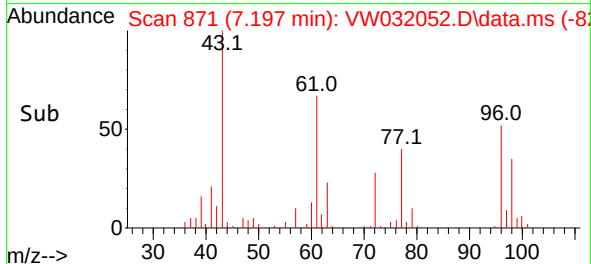
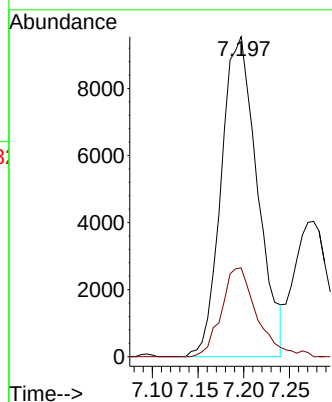
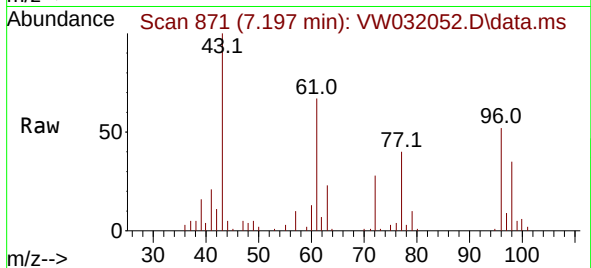




#25
2-Butanone
Concen: 24.484 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

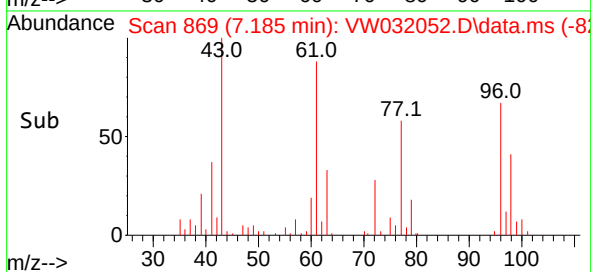
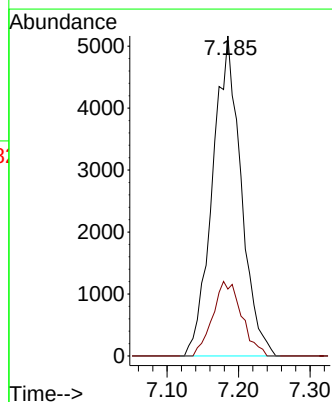
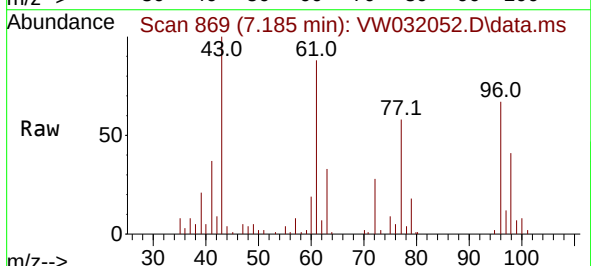
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

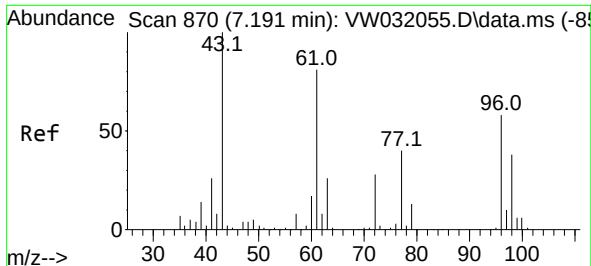
Tgt Ion: 43 Resp: 26284
Ion Ratio Lower Upper
43 100
72 27.8 22.3 33.5



#26
2,2-Dichloropropane
Concen: 5.326 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 77 Resp: 14330
Ion Ratio Lower Upper
77 100
97 23.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 4.727 ug/l

RT: 7.191 min Scan# 81

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

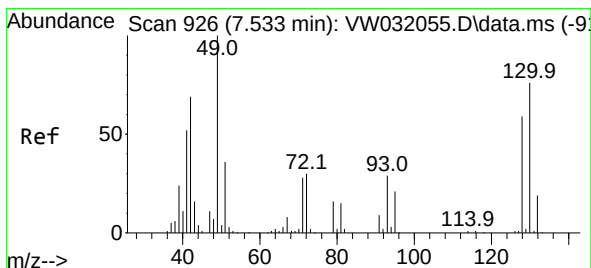
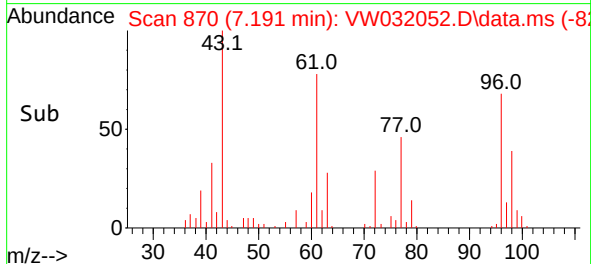
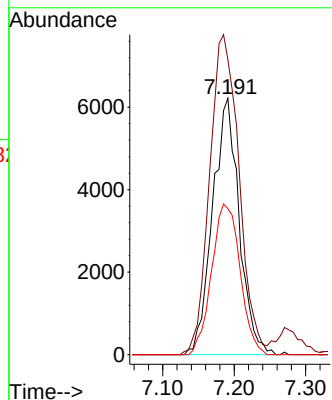
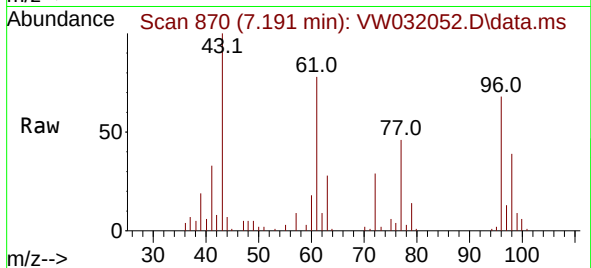
Tgt Ion: 96 Resp: 16041

Ion Ratio Lower Upper

96 100

61 138.1 0.0 281.2

98 62.9 0.0 130.8



#28

Bromochloromethane

Concen: 5.188 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

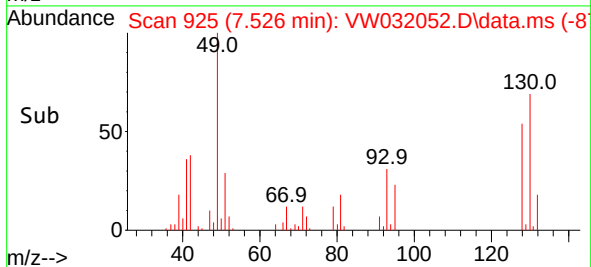
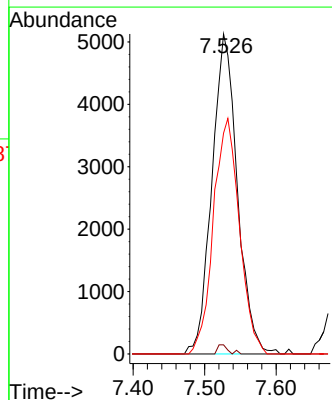
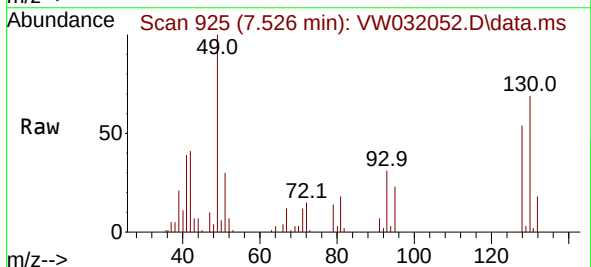
Tgt Ion: 49 Resp: 12660

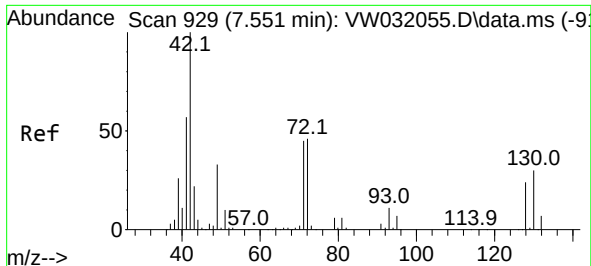
Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.2

130 75.4 61.9 92.9





#29

Tetrahydrofuran

Concen: 23.963 ug/l

RT: 7.551 min Scan# 919

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

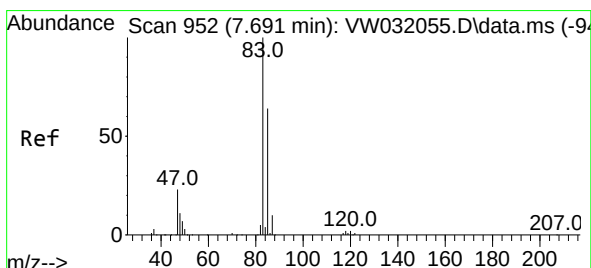
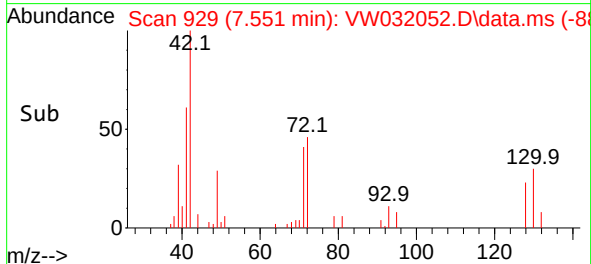
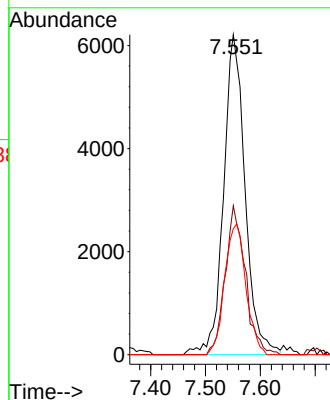
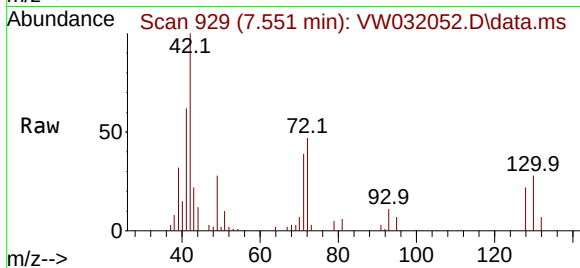
Tgt Ion: 42 Resp: 16965

Ion Ratio Lower Upper

42 100

72 43.6 36.6 55.0

71 40.3 34.7 52.1



#30

Chloroform

Concen: 5.028 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032052.D

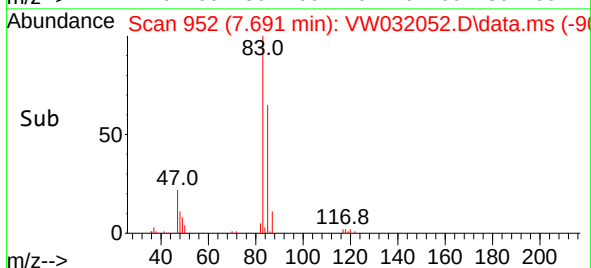
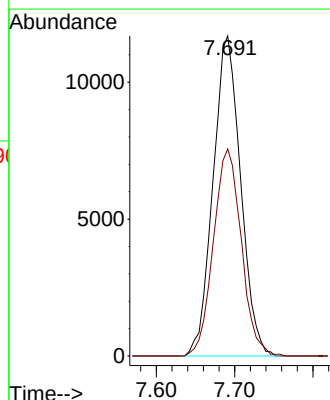
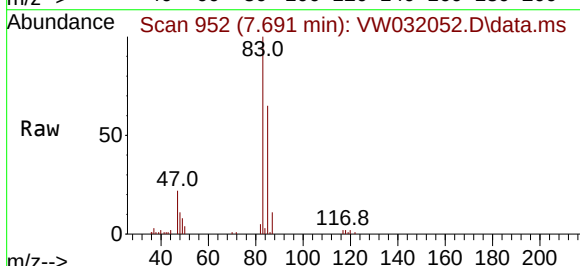
Acq: 11 Aug 2025 08:25

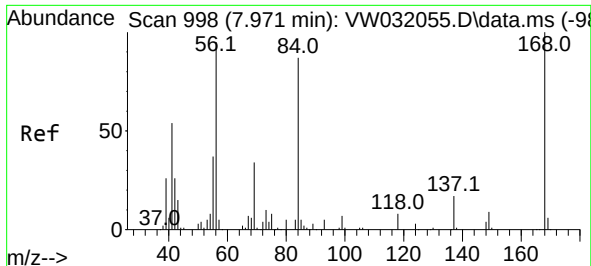
Tgt Ion: 83 Resp: 28586

Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.4

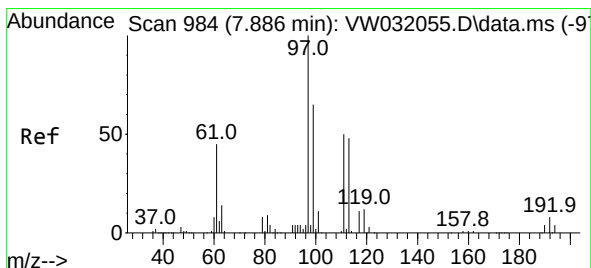
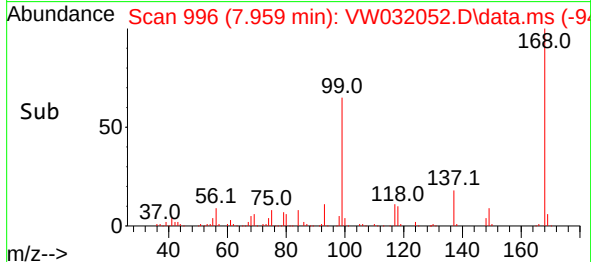
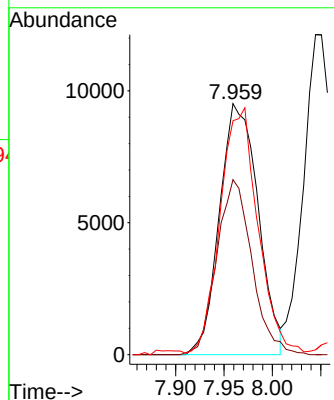
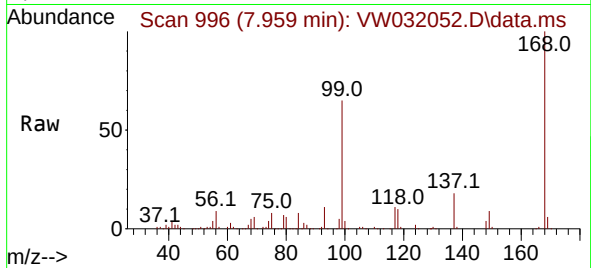




#31
Cyclohexane
Concen: 5.677 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

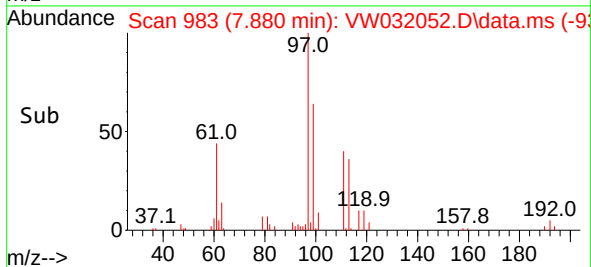
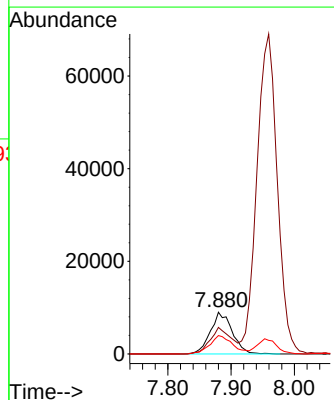
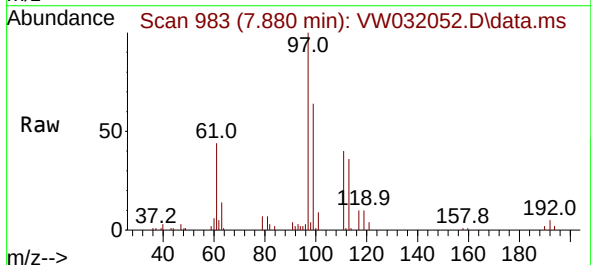
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

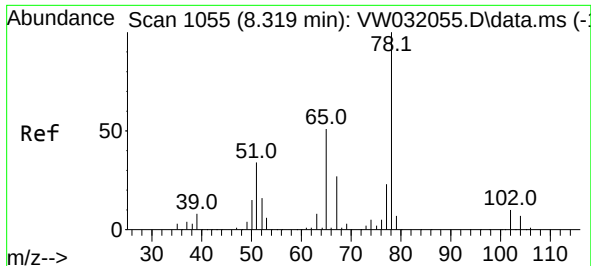
Tgt Ion: 56 Resp: 26393
Ion Ratio Lower Upper
56 100
69 69.7 28.6 42.8#
84 91.7 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 5.246 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 97 Resp: 21662
Ion Ratio Lower Upper
97 100
99 60.6 51.8 77.8
61 46.4 35.9 53.9

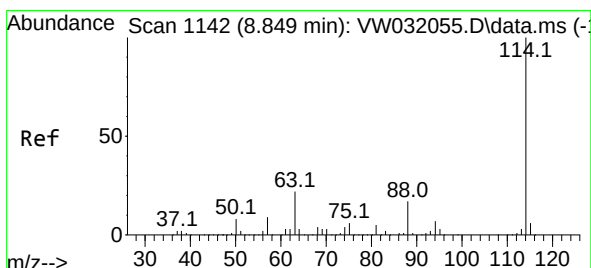
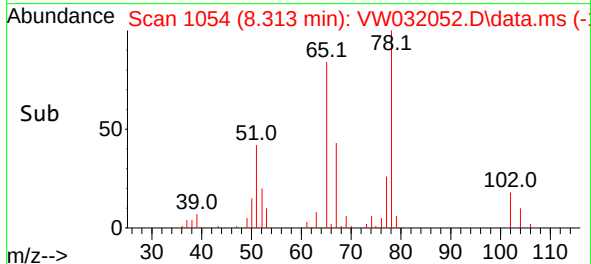
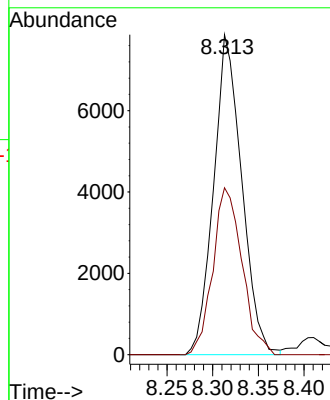
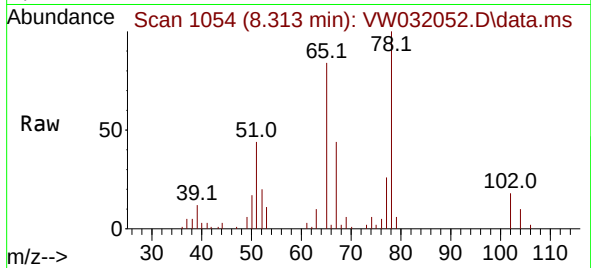




#33
 1,2-Dichloroethane-d4
 Concen: 5.158 ug/l
 RT: 8.313 min Scan# 1054
 Delta R.T. -0.006 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

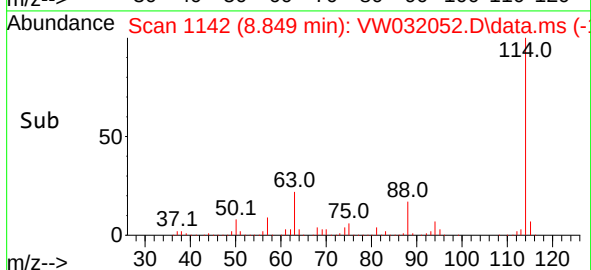
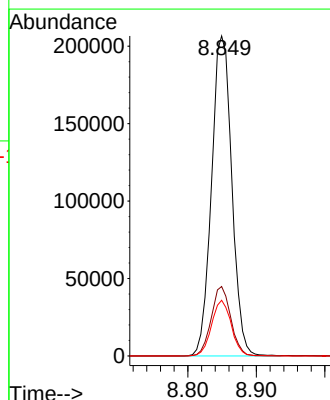
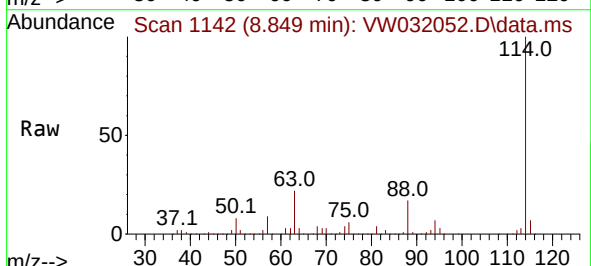
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

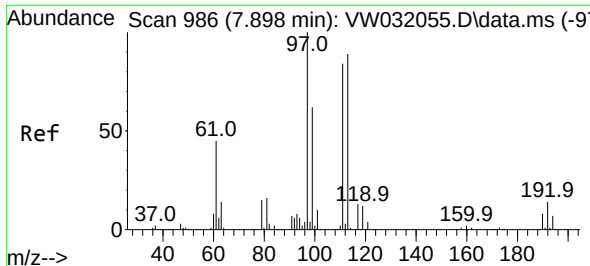
Tgt Ion: 65 Resp: 16827
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion: 114 Resp: 424617
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 17.4 0.0 33.8

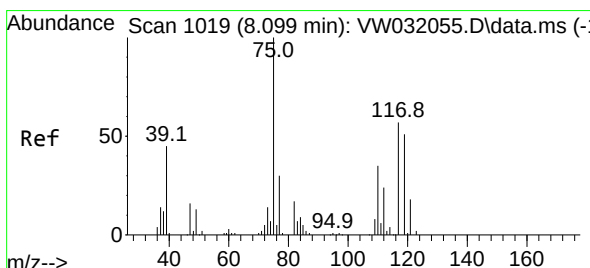
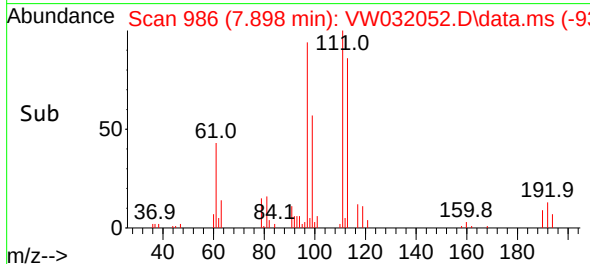
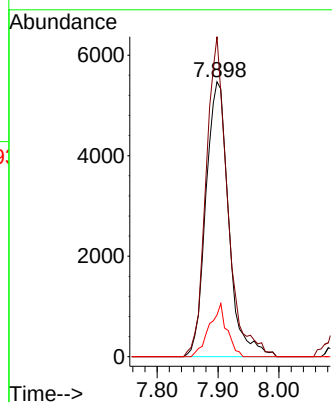
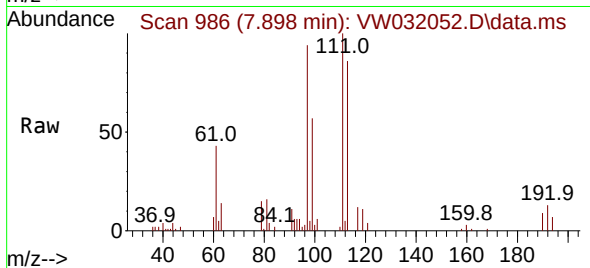




#35
 Dibromofluoromethane
 Concen: 5.205 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

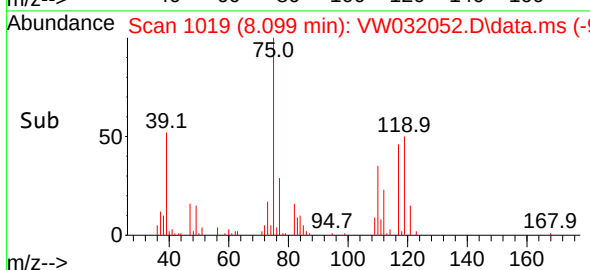
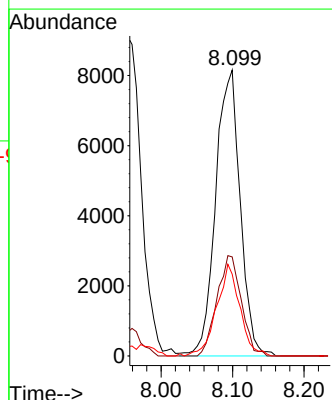
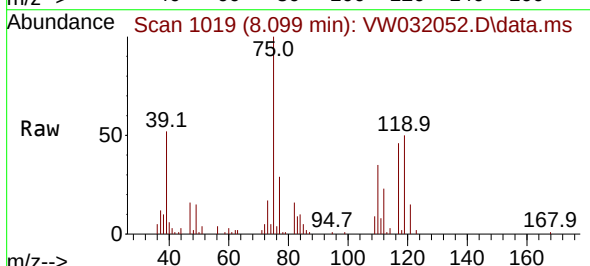
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

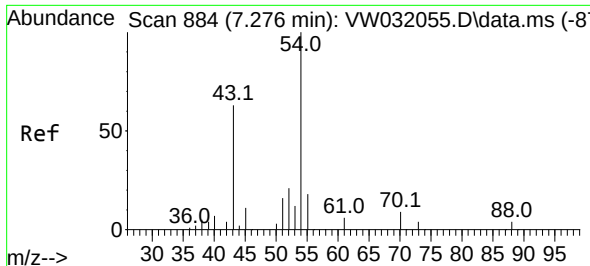
Tgt Ion:113 Resp: 14278
 Ion Ratio Lower Upper
 113 100
 111 109.4 80.1 120.1
 192 14.8 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 8.099 min Scan# 1019
 Delta R.T. -0.000 min
 Lab File: VW032052.D
 Acq: 11 Aug 2025 08:25

Tgt Ion: 75 Resp: 19468
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.4 52.2
 77 30.4 24.7 37.1

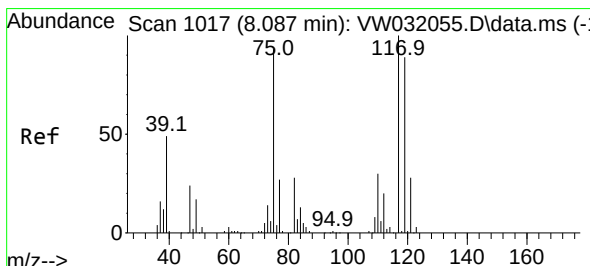
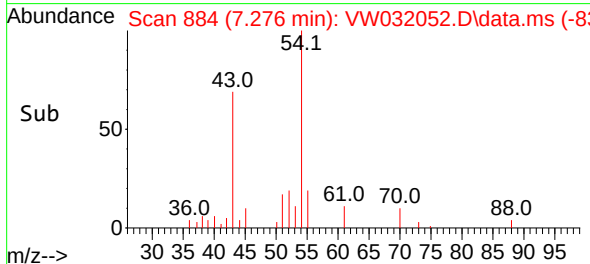
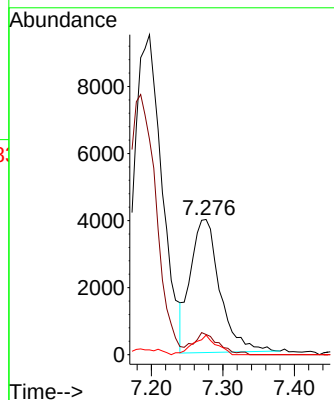
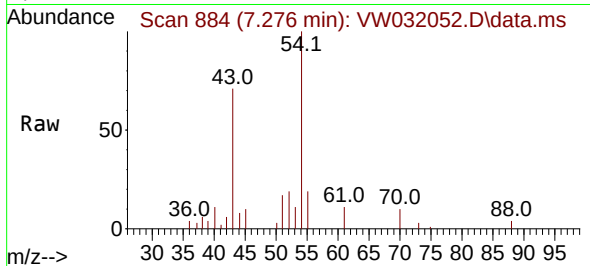




#37
Ethyl Acetate
Concen: 4.990 ug/l
RT: 7.276 min Scan# 811
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

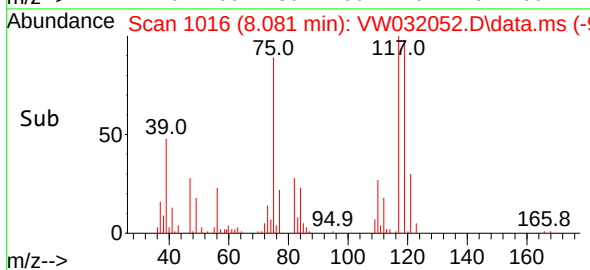
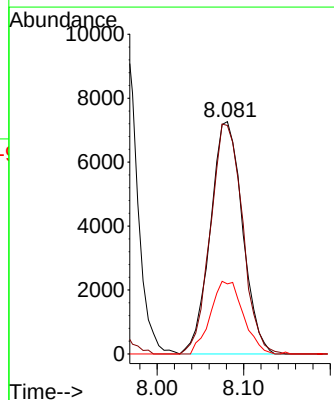
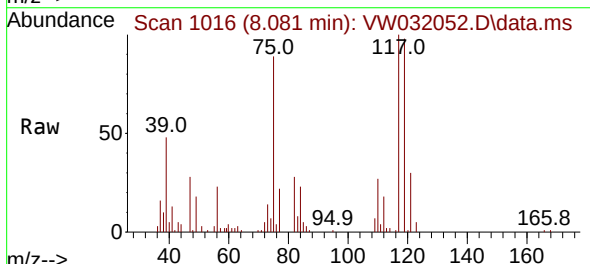
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

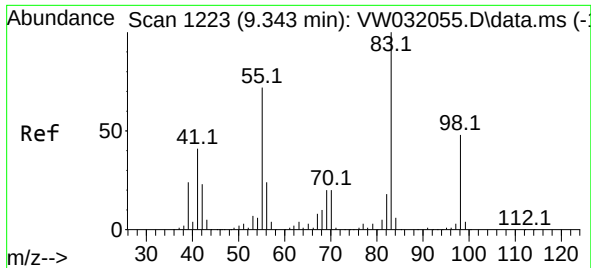
Tgt Ion:	43	Resp:	11365
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.6
70	11.4	9.4	14.0



#38
Carbon Tetrachloride
Concen: 5.020 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	117	Resp:	18734
Ion	Ratio	Lower	Upper
117	100		
119	98.3	71.4	107.2
121	30.2	22.3	33.5





#39

Methylcyclohexane

Concen: 4.728 ug/l

RT: 9.337 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

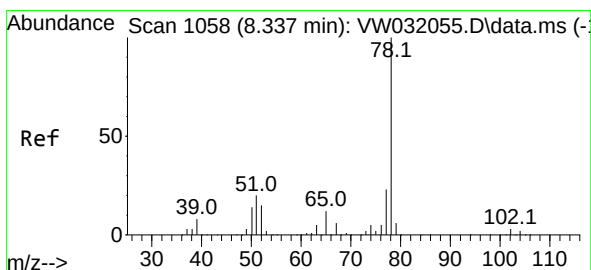
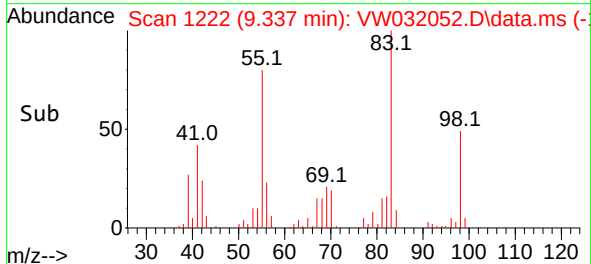
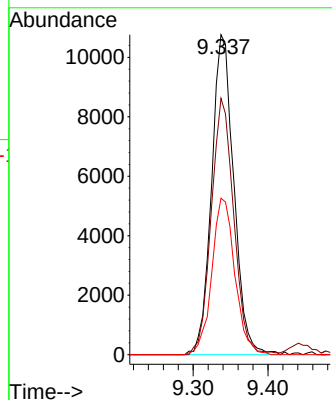
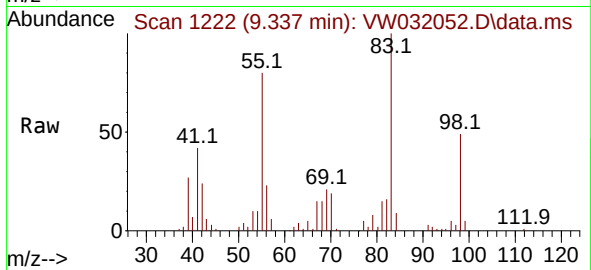
Tgt Ion: 83 Resp: 22284

Ion Ratio Lower Upper

83 100

55 80.1 57.9 86.9

98 48.9 38.3 57.5



#40

Benzene

Concen: 4.941 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW032052.D

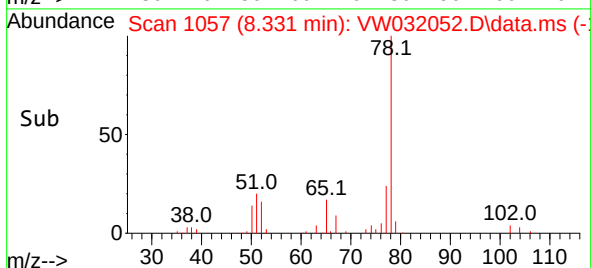
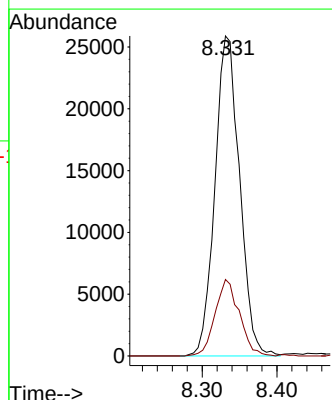
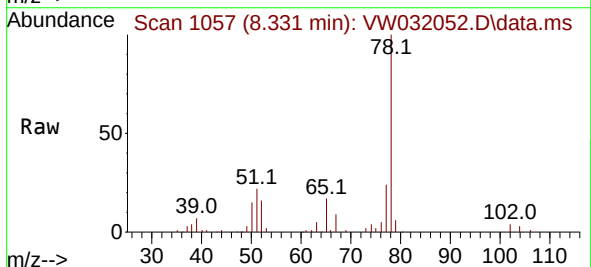
Acq: 11 Aug 2025 08:25

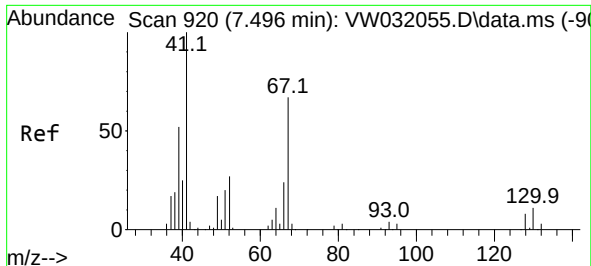
Tgt Ion: 78 Resp: 59395

Ion Ratio Lower Upper

78 100

77 23.9 18.4 27.6

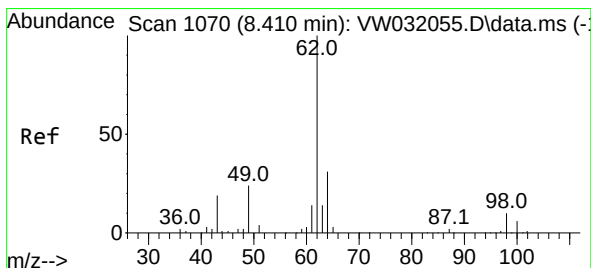
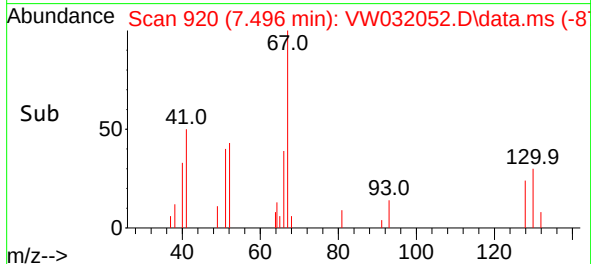
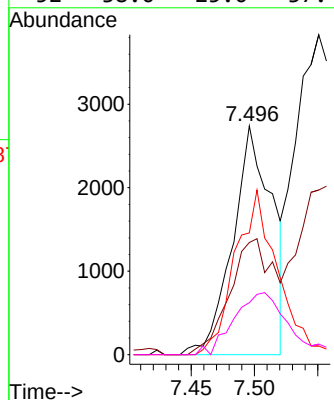
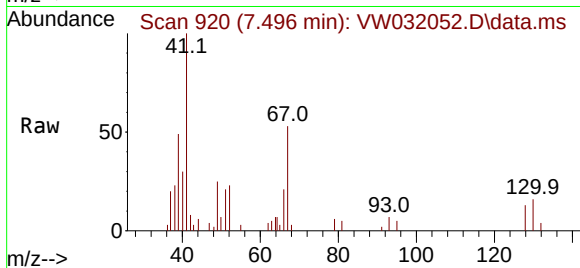




#41
Methacrylonitrile
Concen: 4.576 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

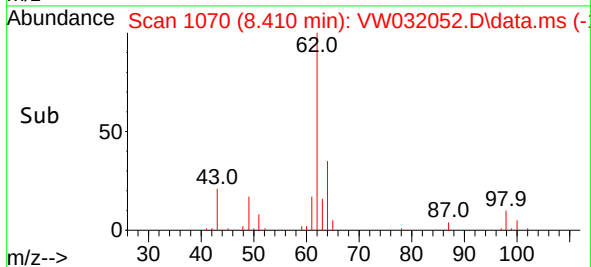
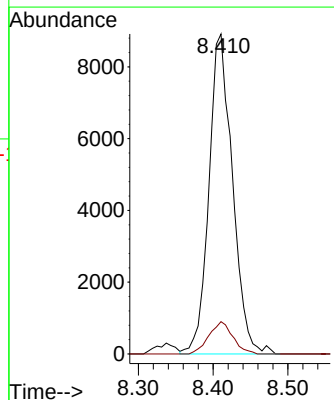
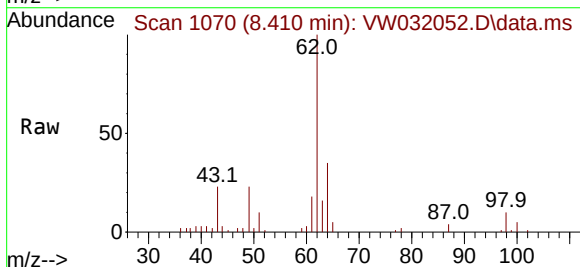
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

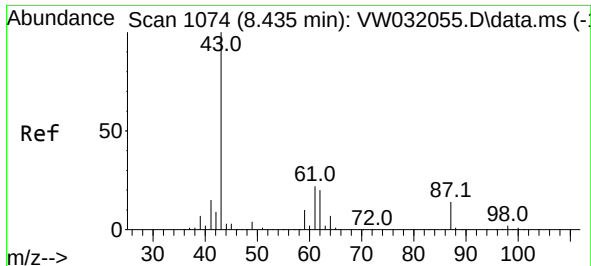
Tgt Ion:	41	Resp:	5910
Ion	Ratio	Lower	Upper
41	100		
39	57.0	42.6	63.8
67	78.0	61.0	91.4
52	38.0	25.0	37.4



#42
1,2-Dichloroethane
Concen: 5.085 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	62	Resp:	19560
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.8

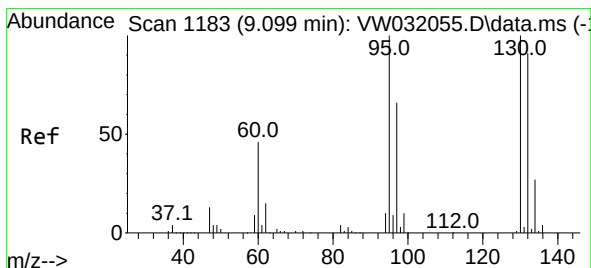
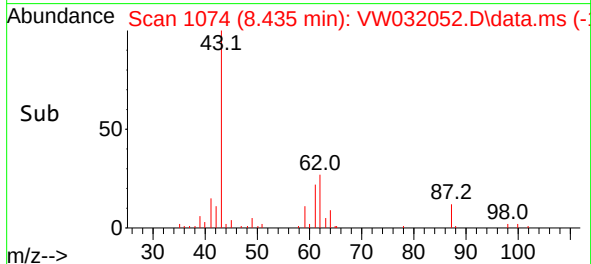
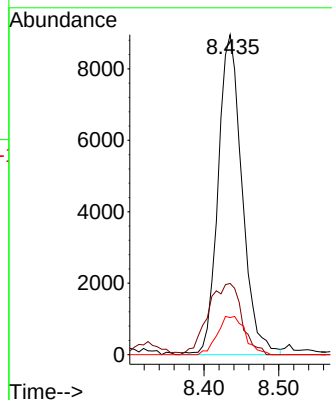
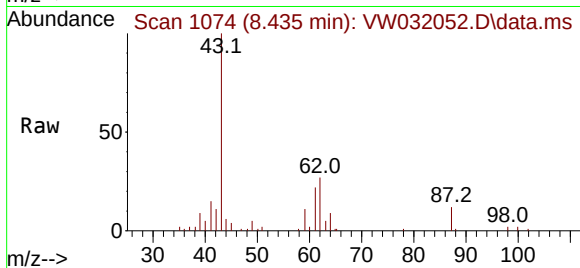




#43
Isopropyl Acetate
Concen: 4.756 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

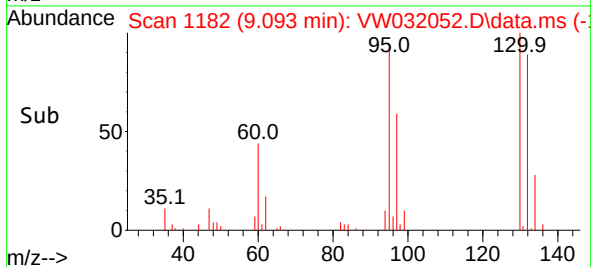
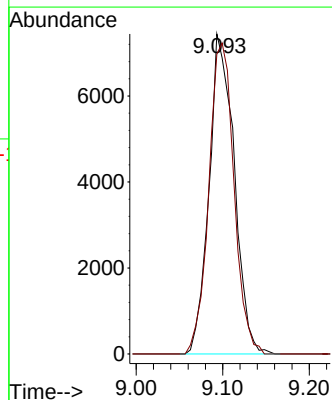
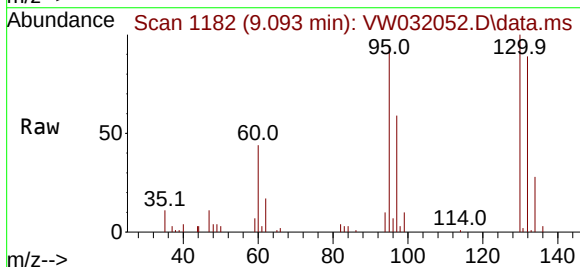
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

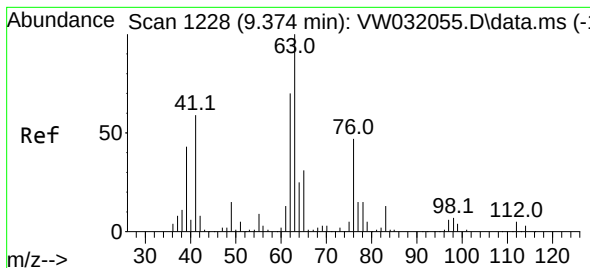
Tgt Ion:	43	Resp:	19928
Ion	Ratio	Lower	Upper
43	100		
61	31.3	23.8	35.8
87	13.9	11.7	17.5



#44
Trichloroethene
Concen: 5.240 ug/l
RT: 9.093 min Scan# 1182
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	130	Resp:	14999
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	200.6





#45

1,2-Dichloropropane

Concen: 4.954 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

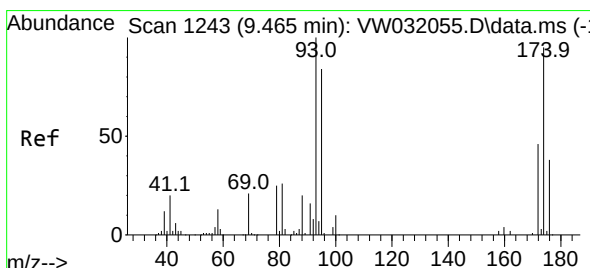
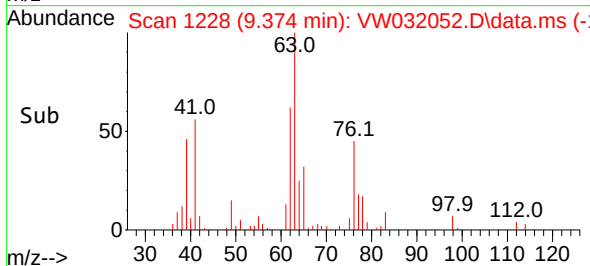
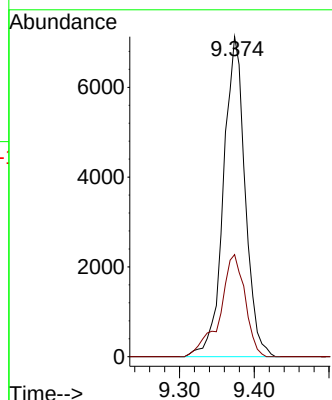
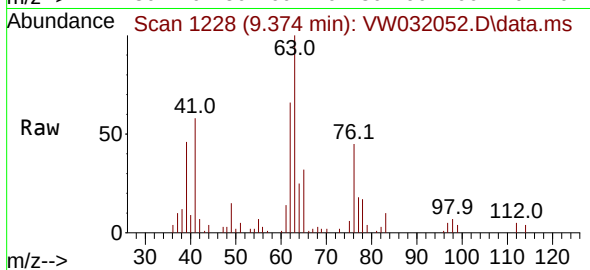
VSTDICC005

Tgt Ion: 63 Resp: 14387

Ion Ratio Lower Upper

63 100

65 31.9 24.6 36.8



#46

Dibromomethane

Concen: 5.204 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

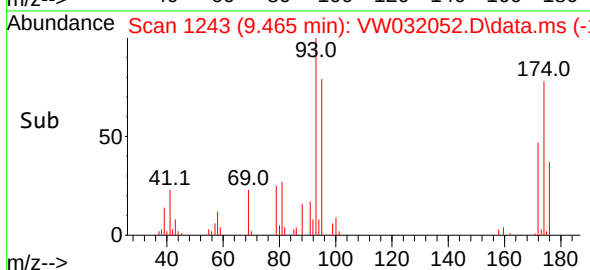
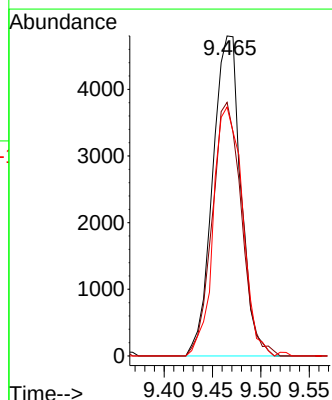
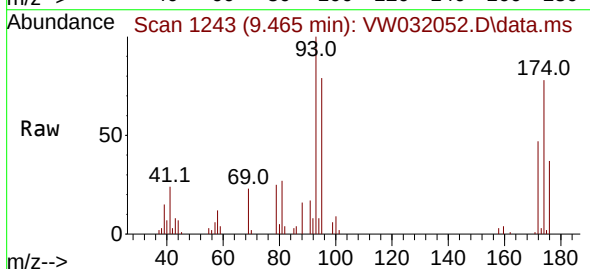
Tgt Ion: 93 Resp: 9753

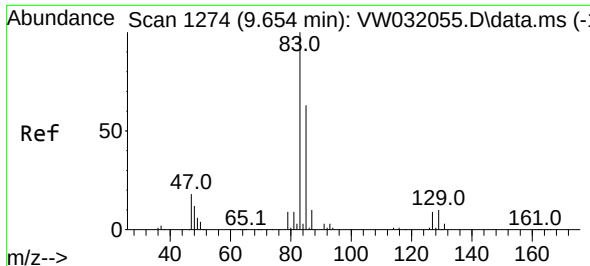
Ion Ratio Lower Upper

93 100

95 82.0 65.3 97.9

174 80.1 68.6 102.8

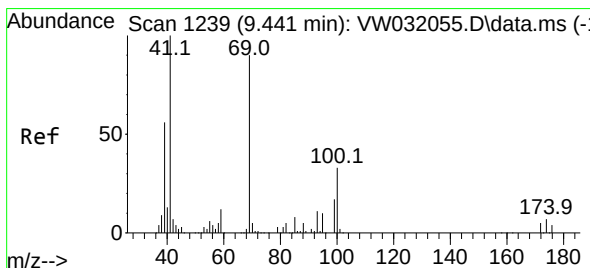
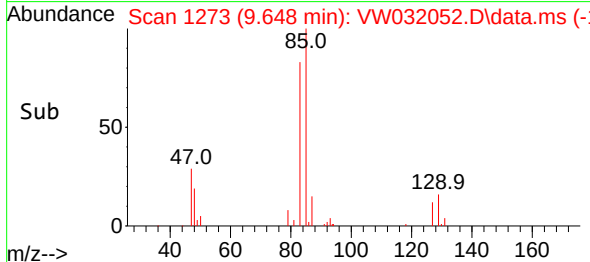
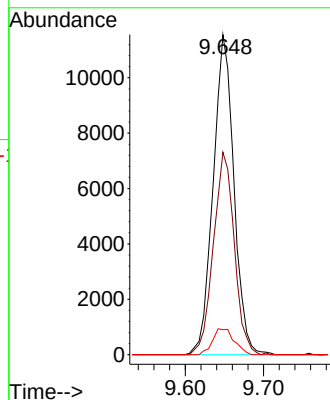
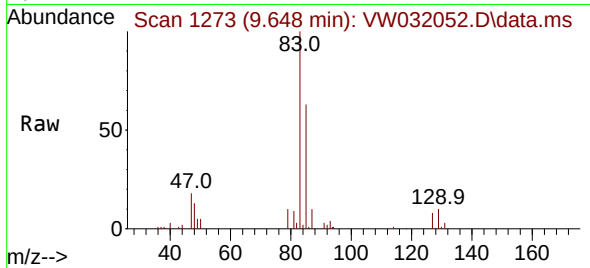




#47
Bromodichloromethane
Concen: 4.927 ug/l
RT: 9.648 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

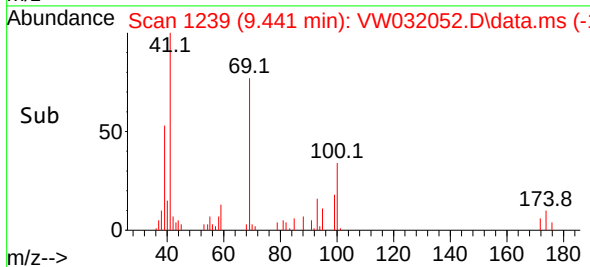
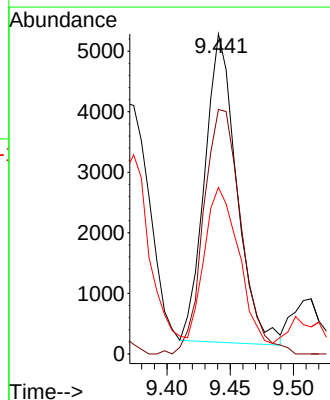
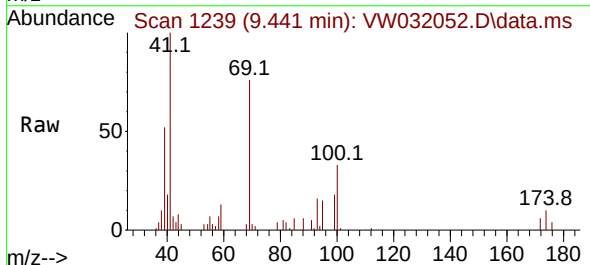
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

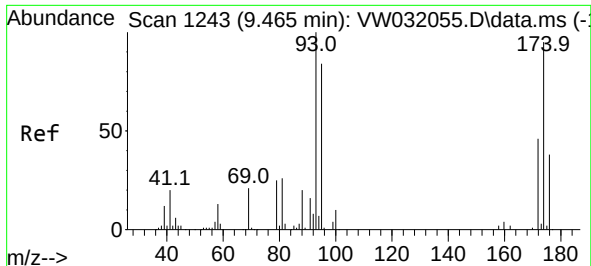
Tgt Ion:	83	Resp:	21279
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	75.8
127	7.8	6.9	10.3



#48
Methyl methacrylate
Concen: 4.424 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	41	Resp:	8949
Ion	Ratio	Lower	Upper
41	100		
69	93.4	73.0	109.6
39	53.4	45.0	67.4





#49

1,4-Dioxane

Concen: 93.217 ug/l

RT: 9.465 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

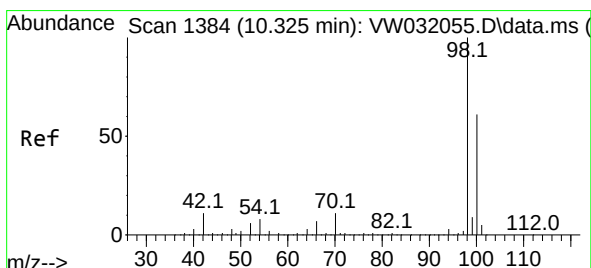
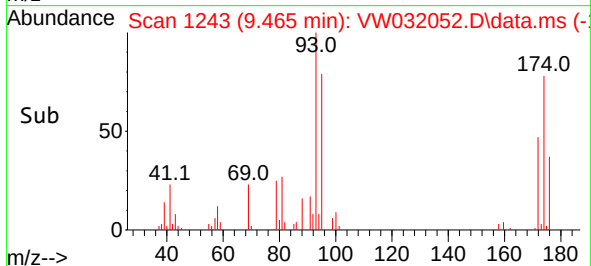
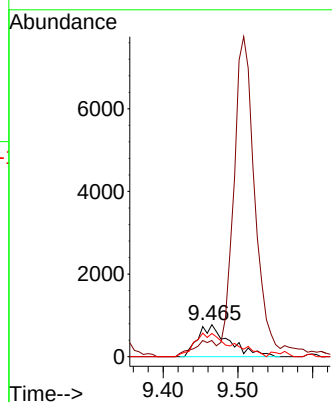
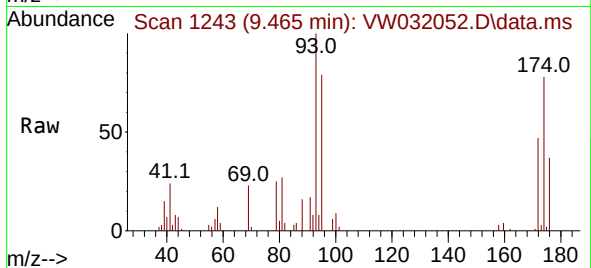
Tgt Ion: 88 Resp: 2259

Ion Ratio Lower Upper

88 100

43 35.9 20.6 30.8#

58 87.2 60.4 90.6



#50

Toluene-d8

Concen: 4.916 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032052.D

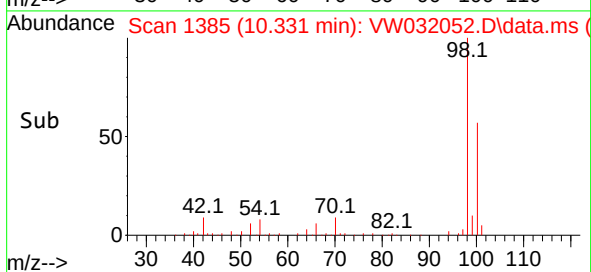
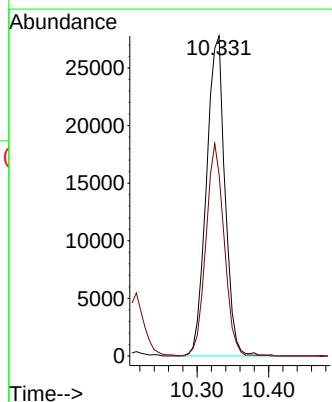
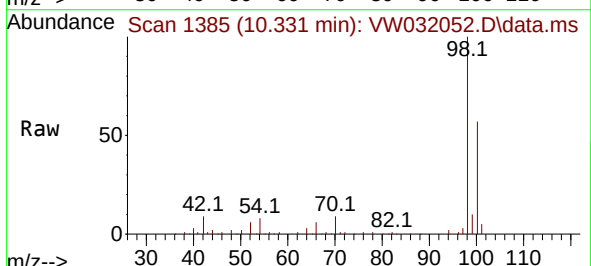
Acq: 11 Aug 2025 08:25

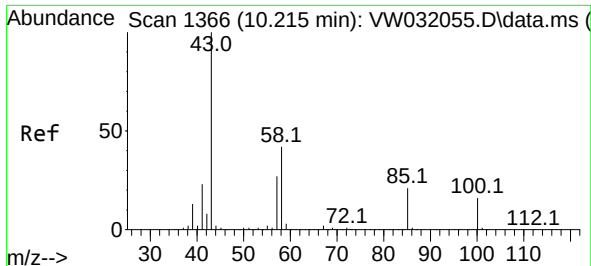
Tgt Ion: 98 Resp: 49876

Ion Ratio Lower Upper

98 100

100 65.4 51.1 76.7

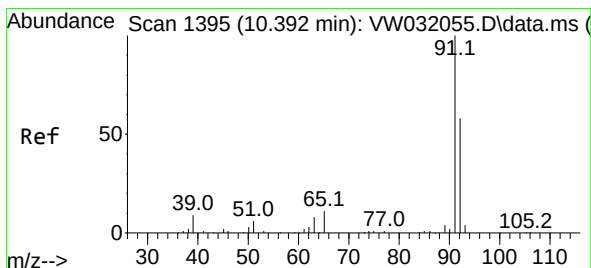
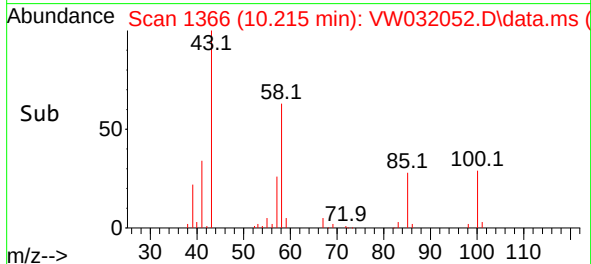
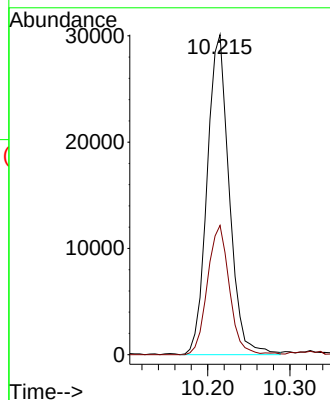
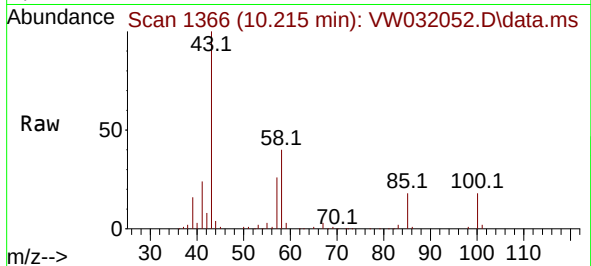




#51
4-Methyl-2-Pentanone
Concen: 23.755 ug/l
RT: 10.215 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

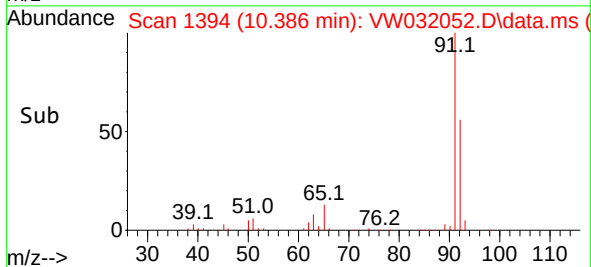
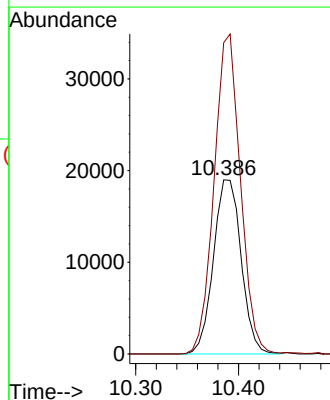
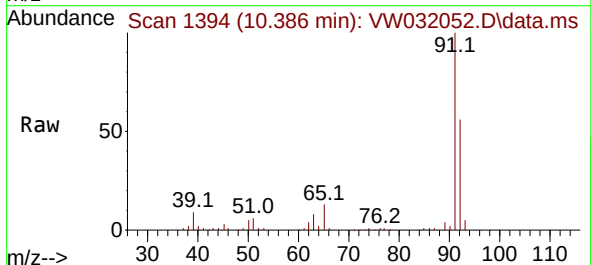
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

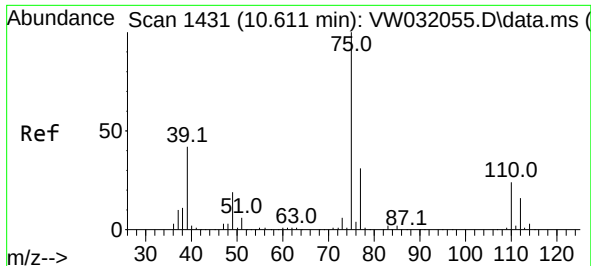
Tgt Ion: 43 Resp: 56184
Ion Ratio Lower Upper
43 100
58 40.2 33.1 49.7



#52
Toluene
Concen: 4.692 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 92 Resp: 35525
Ion Ratio Lower Upper
92 100
91 175.5 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 4.513 ug/l

RT: 10.611 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

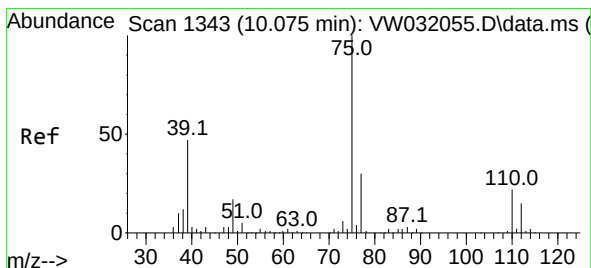
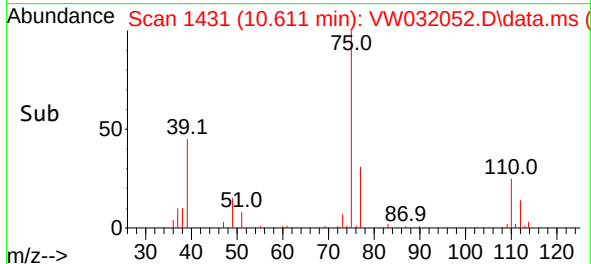
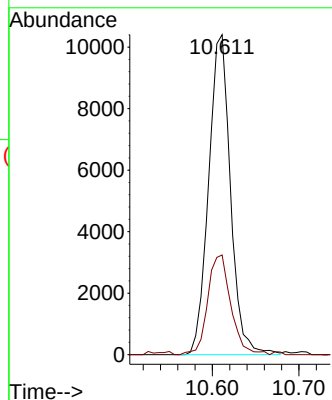
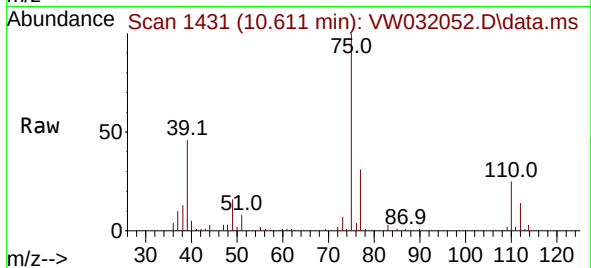
VSTDIC005

Tgt Ion: 75 Resp: 18259

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 4.612 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

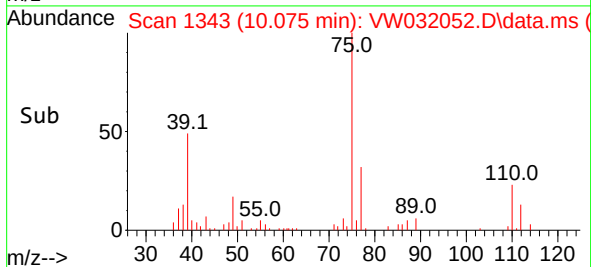
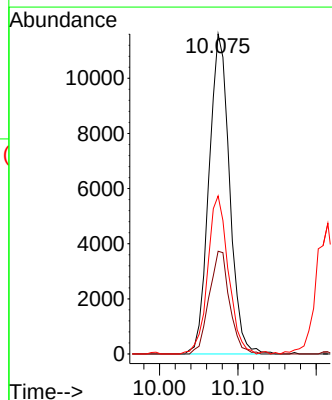
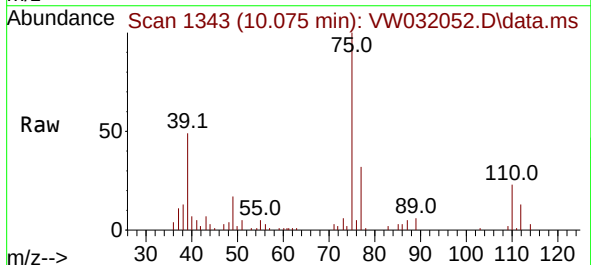
Tgt Ion: 75 Resp: 21173

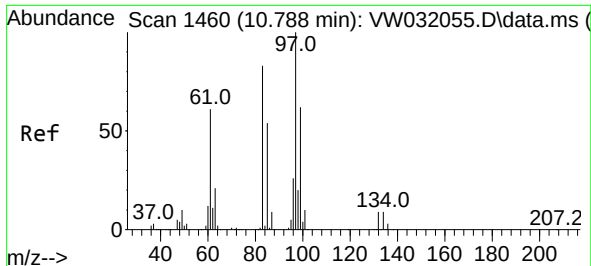
Ion Ratio Lower Upper

75 100

77 32.1 24.0 36.0

39 49.4 37.8 56.8

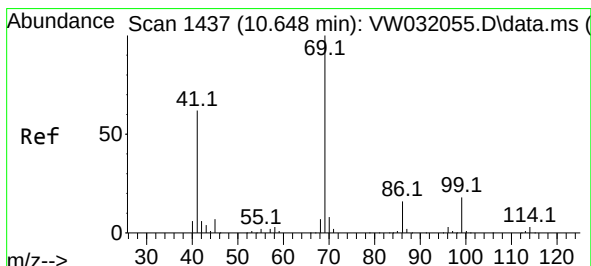
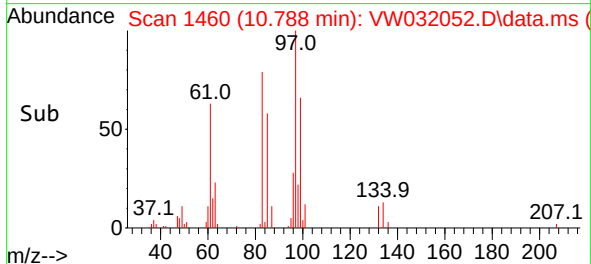
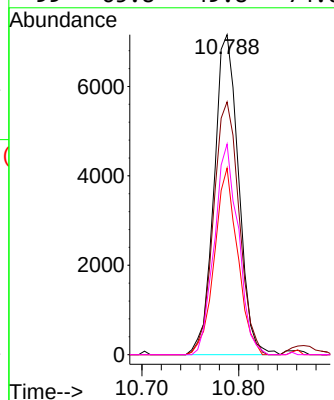
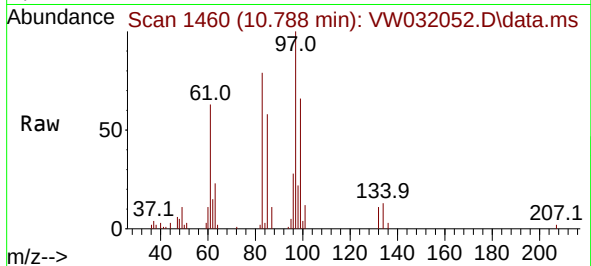




#55
1,1,2-Trichloroethane
Concen: 5.057 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

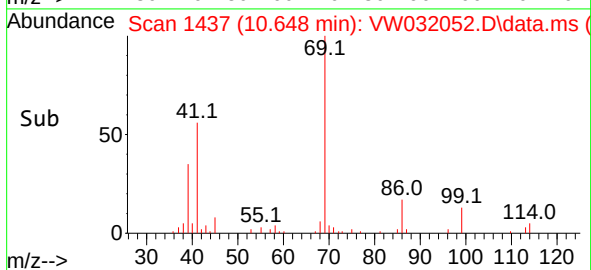
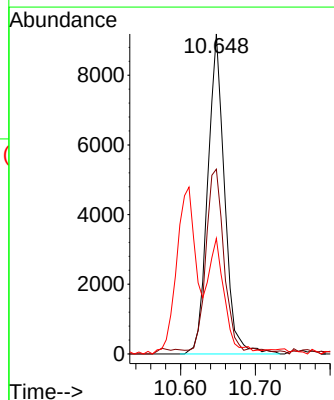
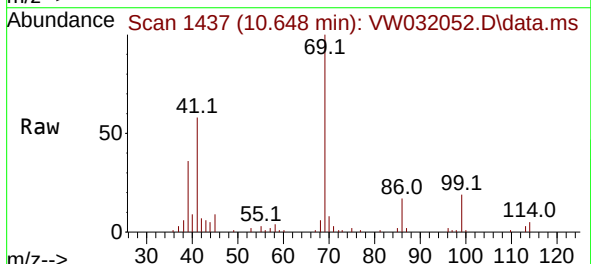
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

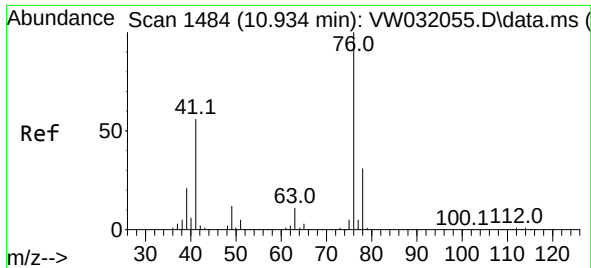
Tgt Ion: 97	Resp: 12594
Ion Ratio	Lower Upper
97 100	
83 79.0	66.4 99.6
85 58.3	43.1 64.7
99 65.8	49.8 74.6



#56
Ethyl methacrylate
Concen: 4.317 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 69	Resp: 14387
Ion Ratio	Lower Upper
69 100	
41 59.2	51.2 76.8
39 32.8	25.4 38.0





#57

1,3-Dichloropropane

Concen: 4.988 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

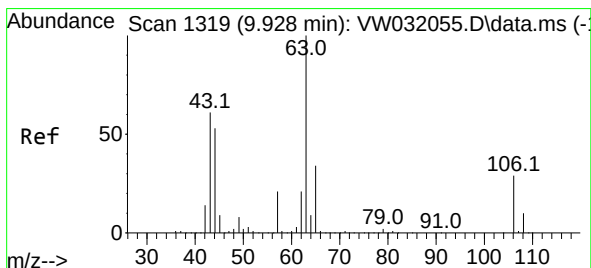
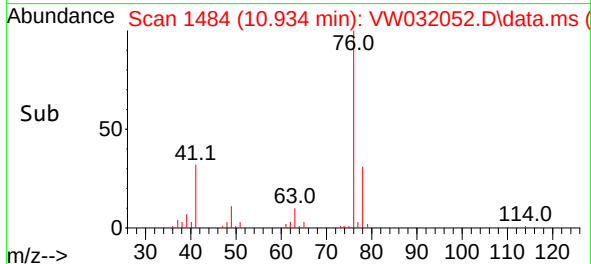
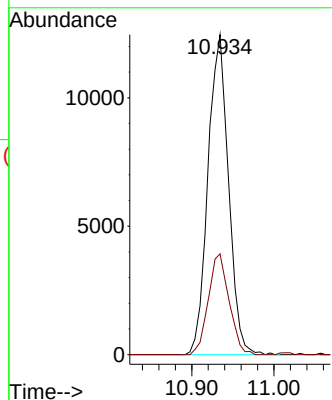
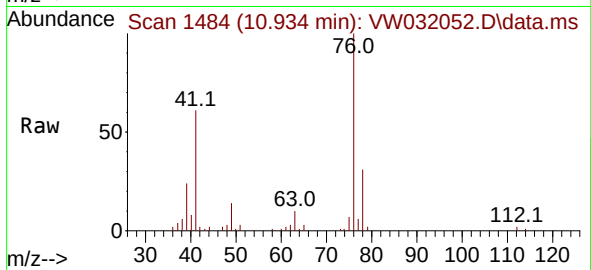
VSTDIC005

Tgt Ion: 76 Resp: 21654

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 22.777 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032052.D

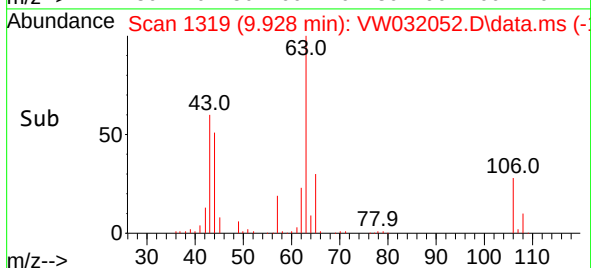
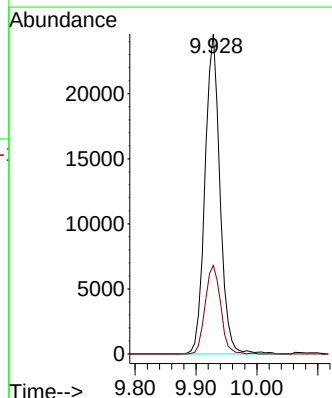
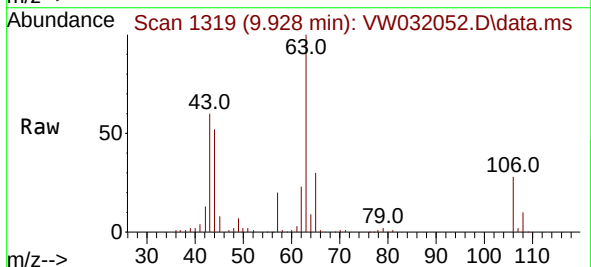
Acq: 11 Aug 2025 08:25

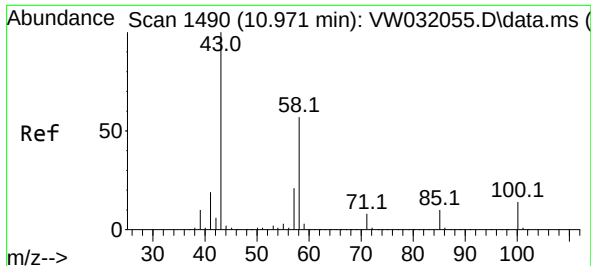
Tgt Ion: 63 Resp: 41991

Ion Ratio Lower Upper

63 100

106 28.4 23.5 35.3

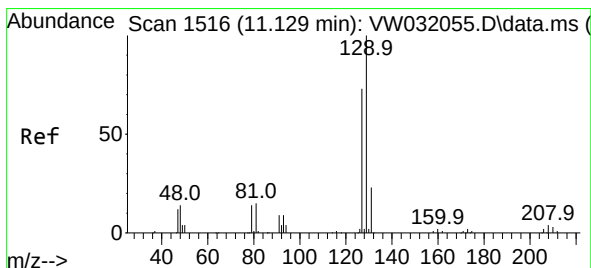
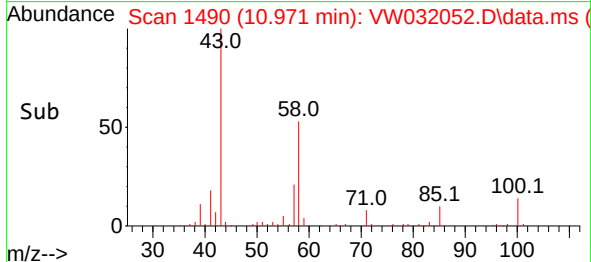
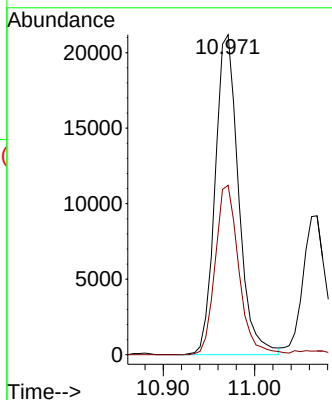
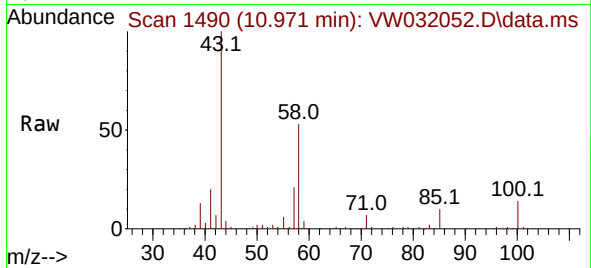




#59
2-Hexanone
Concen: 23.074 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

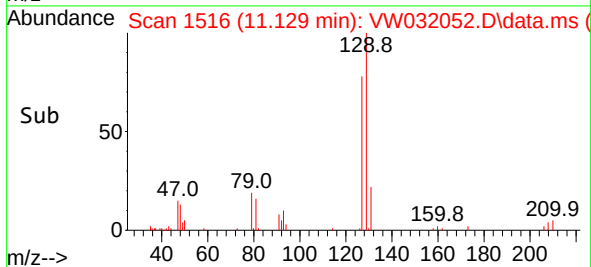
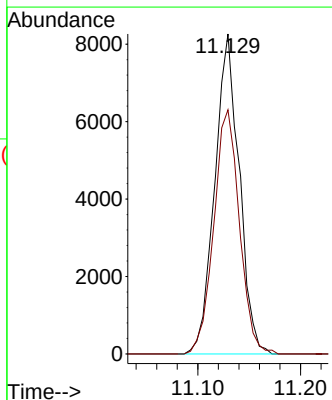
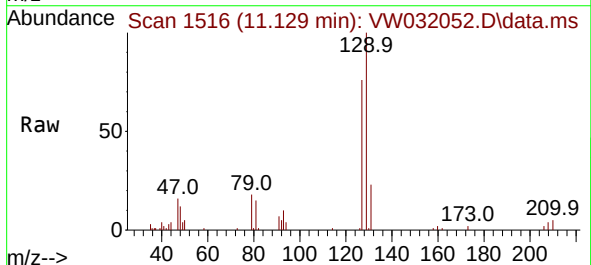
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

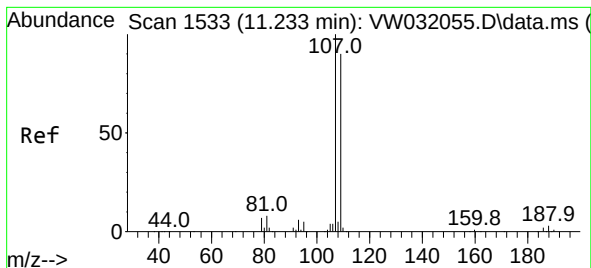
Tgt Ion: 43 Resp: 37796
Ion Ratio Lower Upper
43 100
58 53.3 28.3 85.0



#60
Dibromochloromethane
Concen: 4.799 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 129 Resp: 13654
Ion Ratio Lower Upper
129 100
127 79.8 39.0 116.9

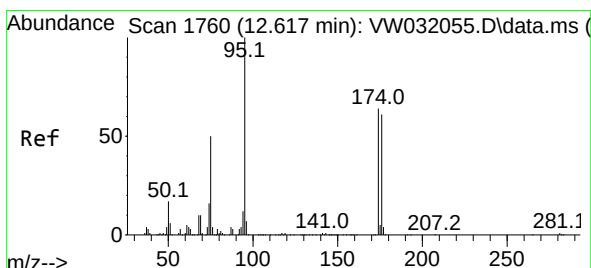
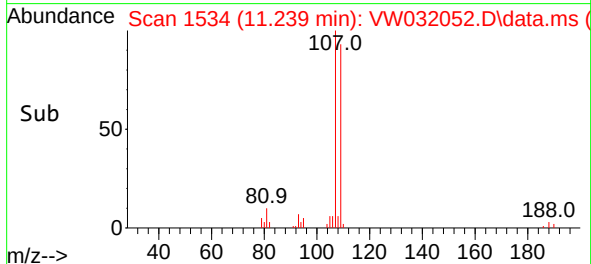
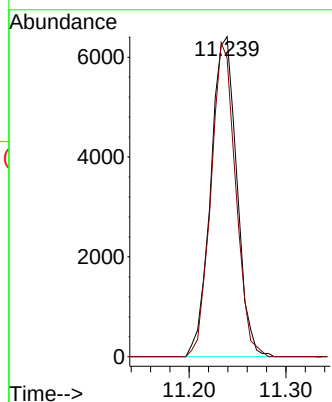
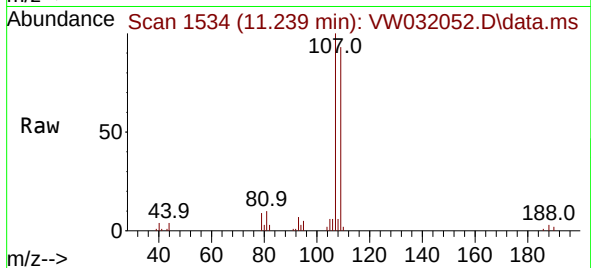




#61
1,2-Dibromoethane
Concen: 4.955 ug/l
RT: 11.239 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

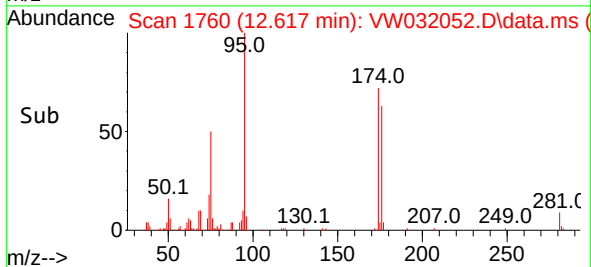
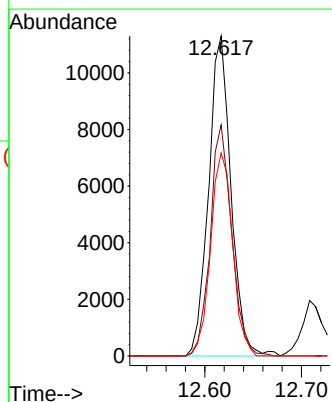
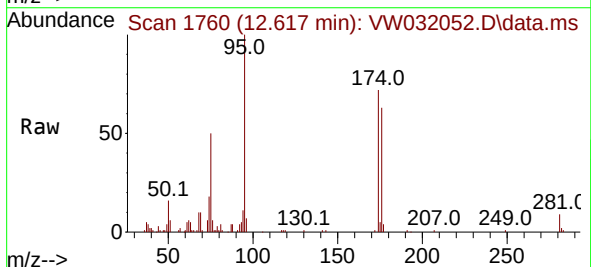
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

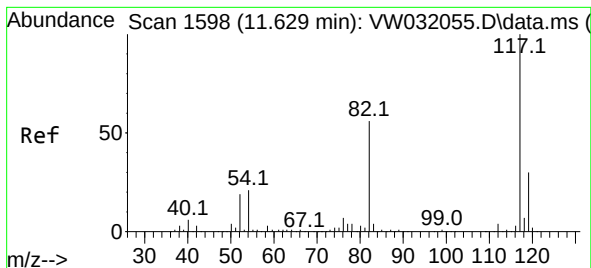
Tgt Ion:107 Resp: 11992
Ion Ratio Lower Upper
107 100
109 92.8 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 4.863 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 95 Resp: 18184
Ion Ratio Lower Upper
95 100
174 69.1 0.0 129.0
176 62.7 0.0 124.6

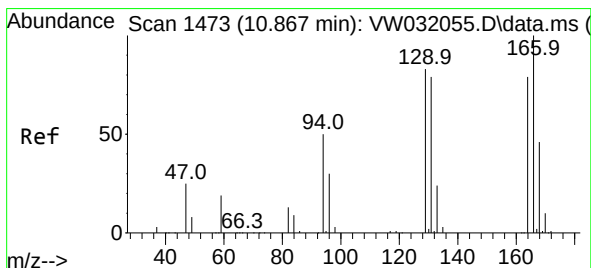
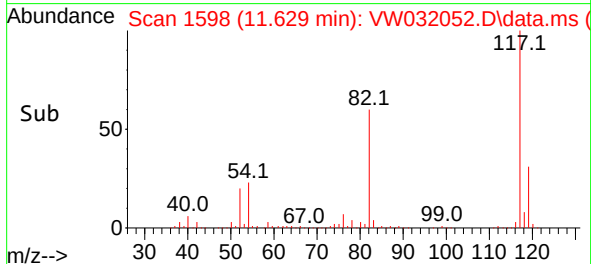
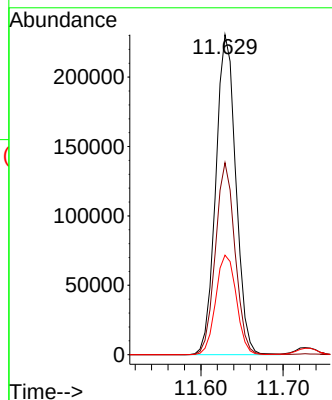
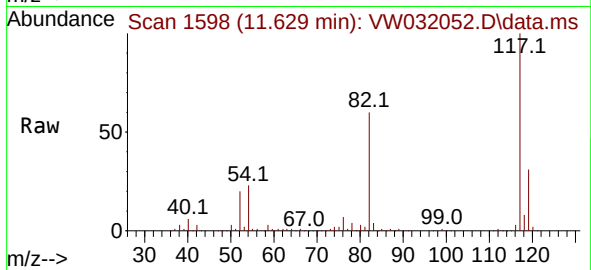




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

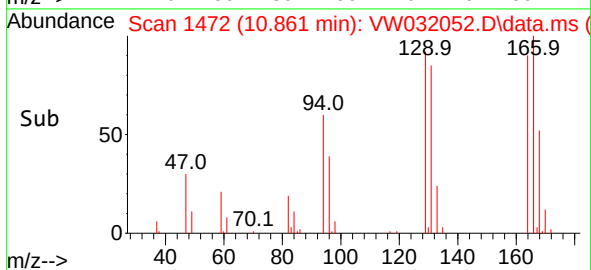
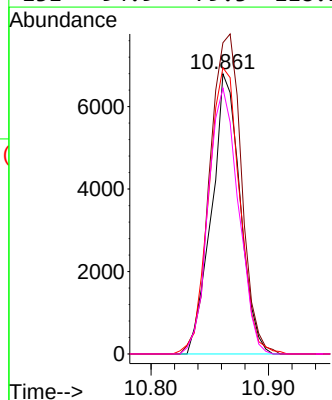
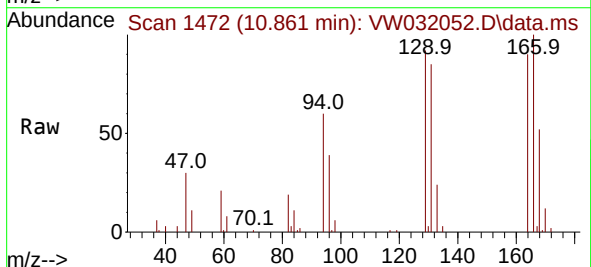
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

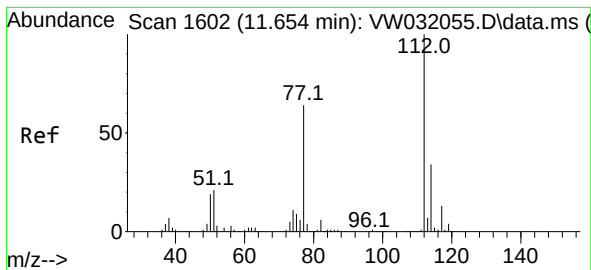
Tgt Ion:117 Resp: 391234
Ion Ratio Lower Upper
117 100
82 60.0 45.0 67.4
119 31.1 24.2 36.4



#64
Tetrachloroethene
Concen: 5.066 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:164 Resp: 11449
Ion Ratio Lower Upper
164 100
166 111.1 100.9 151.3
129 101.3 83.6 125.4
131 94.9 79.3 118.9

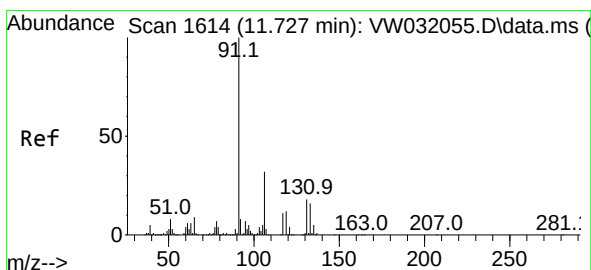
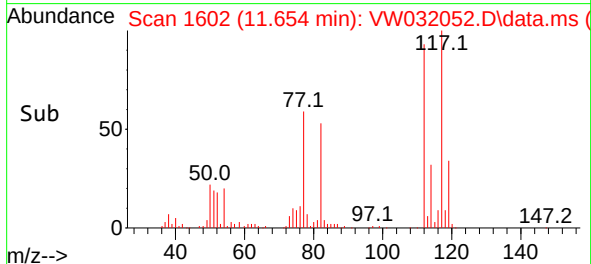
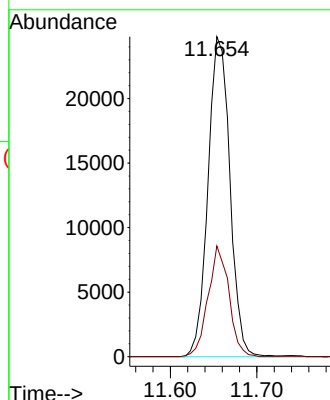
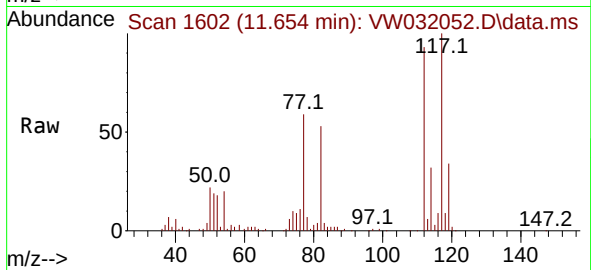




#65
Chlorobenzene
Concen: 5.110 ug/l
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

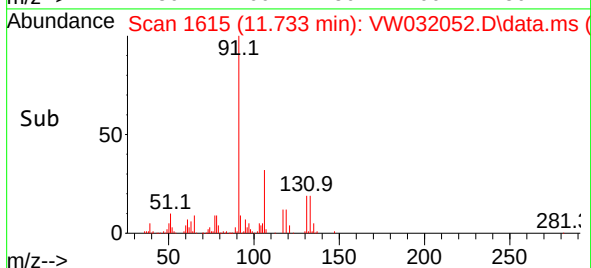
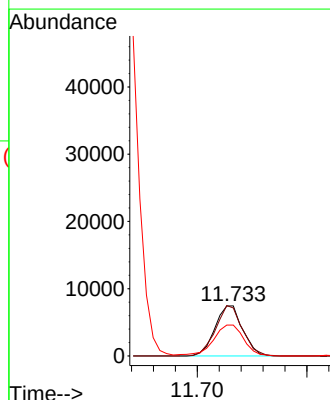
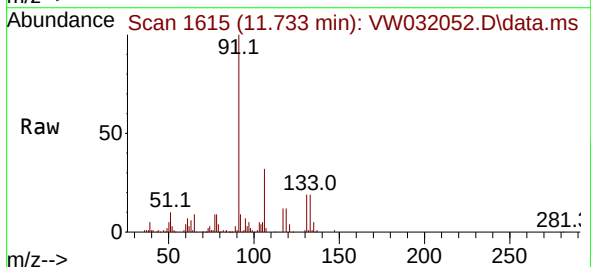
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

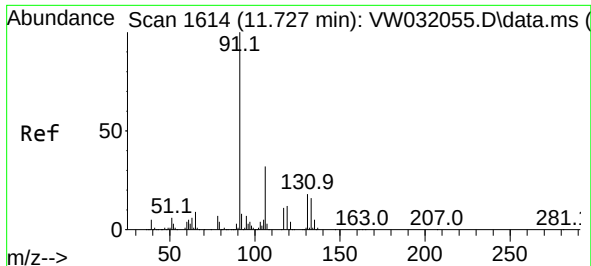
Tgt Ion:112 Resp: 43515
Ion Ratio Lower Upper
112 100
114 34.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 4.907 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:131 Resp: 13037
Ion Ratio Lower Upper
131 100
133 97.4 47.3 142.0
119 67.3 34.5 103.5





#67

Ethyl Benzene

Concen: 4.650 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

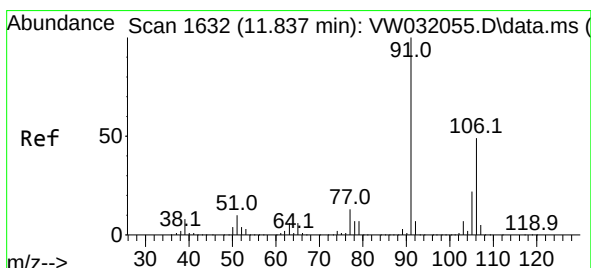
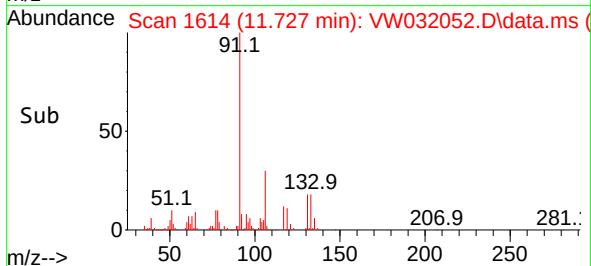
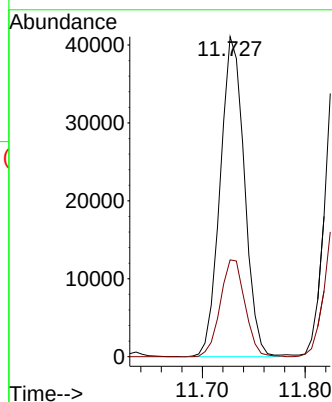
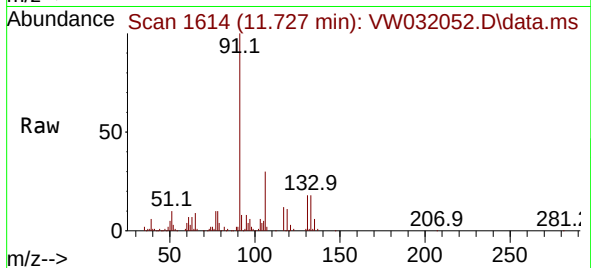
VSTDIC005

Tgt Ion: 91 Resp: 67071

Ion Ratio Lower Upper

91 100

106 30.2 25.4 38.0



#68

m/p-Xylenes

Concen: 9.070 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032052.D

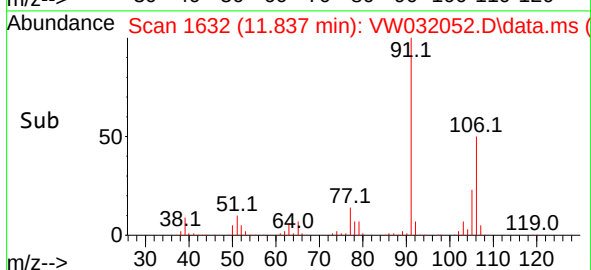
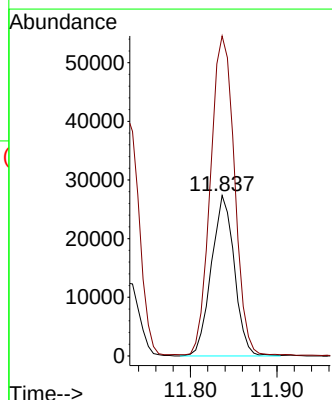
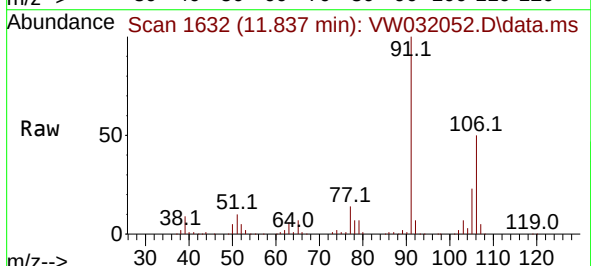
Acq: 11 Aug 2025 08:25

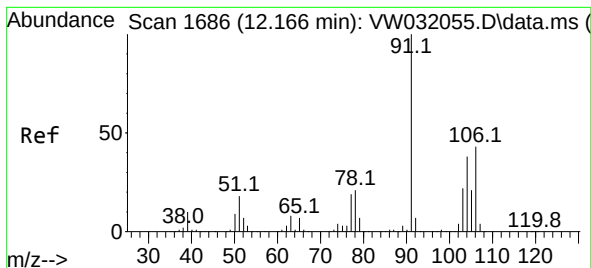
Tgt Ion: 106 Resp: 50482

Ion Ratio Lower Upper

106 100

91 209.1 162.2 243.2

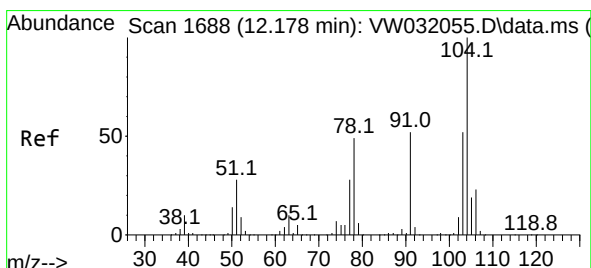
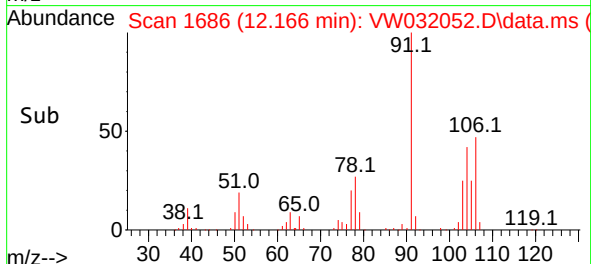
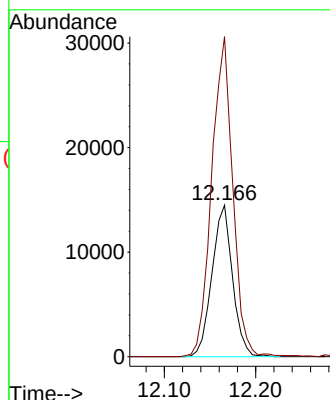
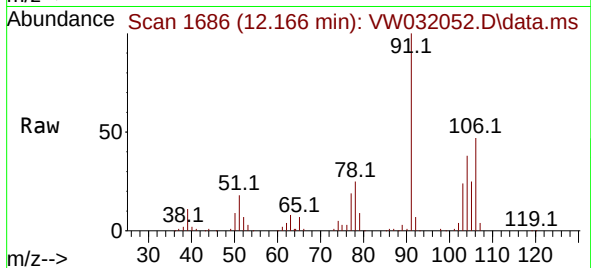




#69
o-Xylene
Concen: 4.393 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

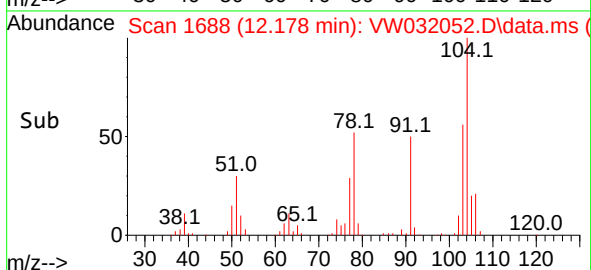
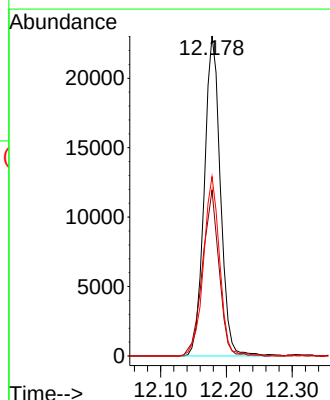
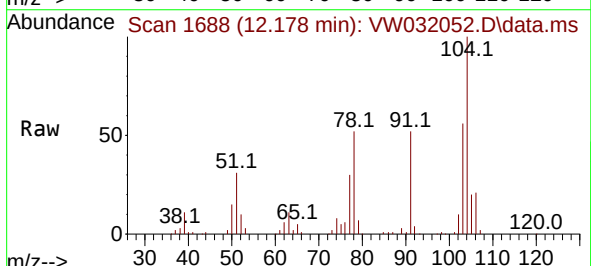
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

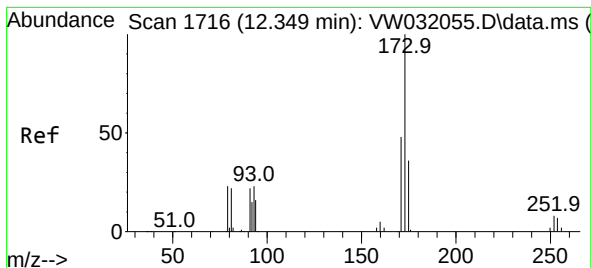
Tgt Ion:106 Resp: 22602
Ion Ratio Lower Upper
106 100
91 217.4 110.8 332.3



#70
Styrene
Concen: 4.300 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:104 Resp: 39288
Ion Ratio Lower Upper
104 100
78 53.3 41.2 61.8
103 56.1 43.8 65.8





#71

Bromoform

Concen: 4.792 ug/l

RT: 12.349 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

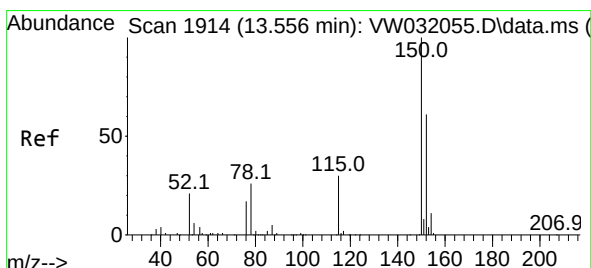
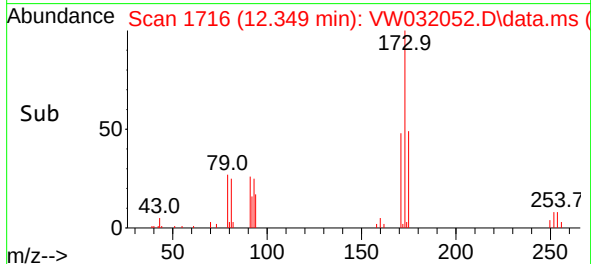
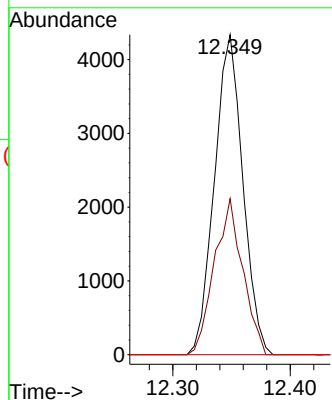
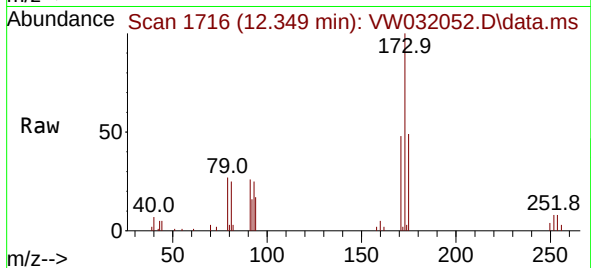
Tgt Ion:173 Resp: 7283

Ion Ratio Lower Upper

173 100

175 48.9 22.9 68.7

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

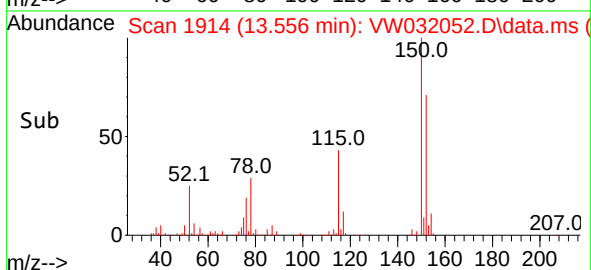
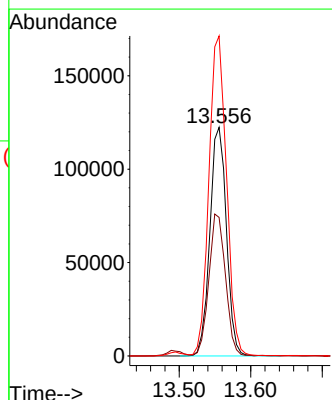
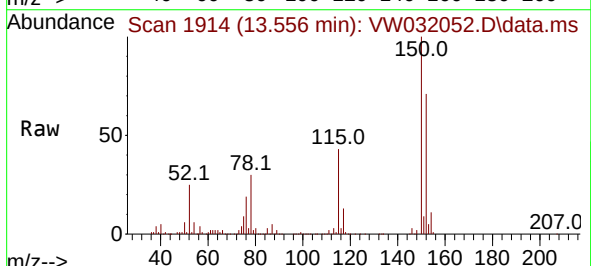
Tgt Ion:152 Resp: 196943

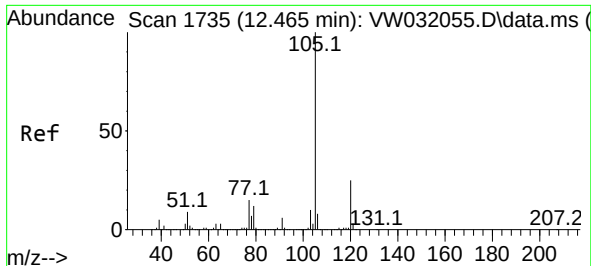
Ion Ratio Lower Upper

152 100

115 62.0 32.6 97.8

150 147.8 0.0 359.4

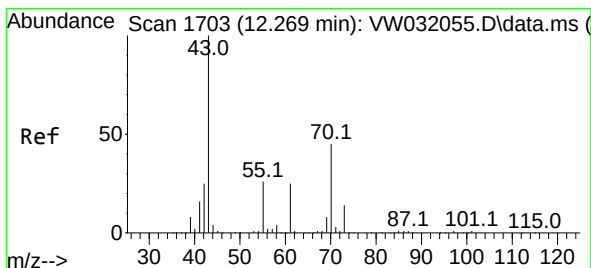
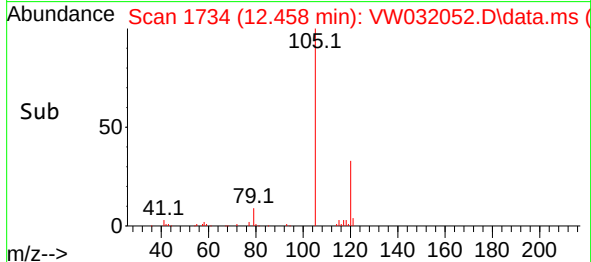
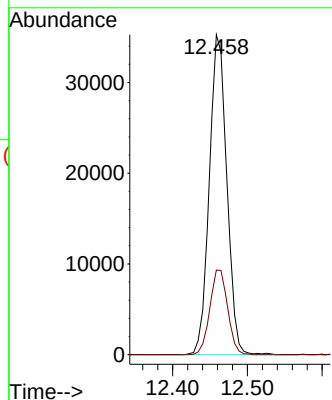
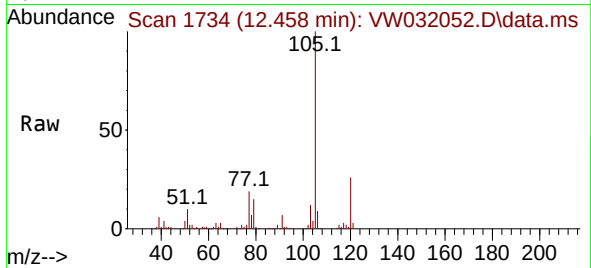




#73
Isopropylbenzene
Concen: 4.164 ug/l
RT: 12.458 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

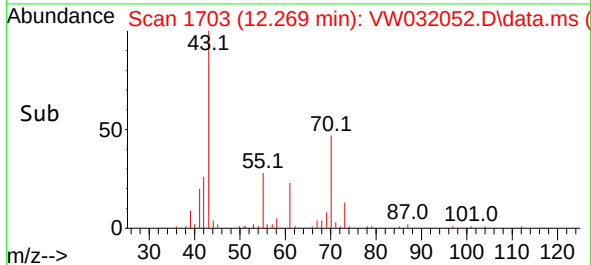
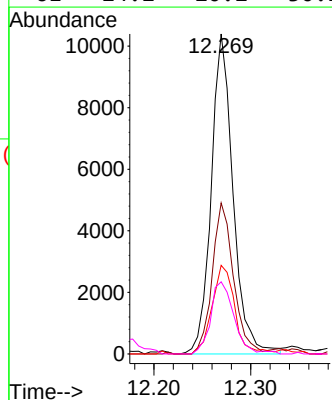
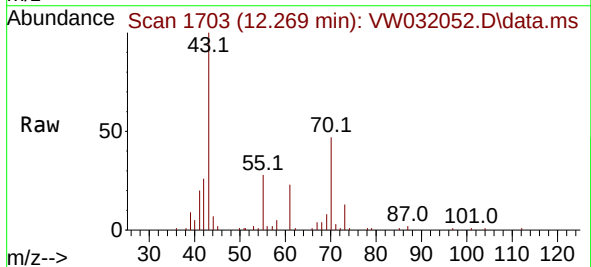
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

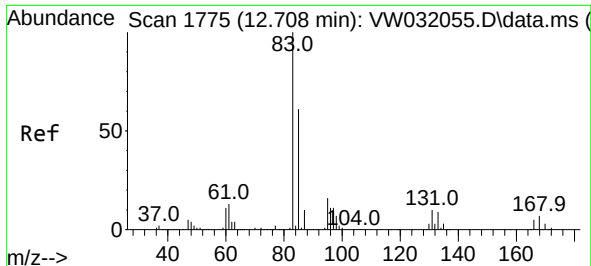
Tgt Ion:105 Resp: 57306
Ion Ratio Lower Upper
105 100
120 26.8 12.8 38.4



#74
N-ethyl acetate
Concen: 4.135 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 43 Resp: 16327
Ion Ratio Lower Upper
43 100
70 45.9 37.0 55.4
55 28.8 21.1 31.7
61 24.2 20.2 30.2

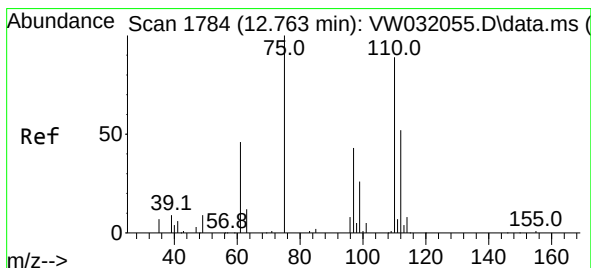
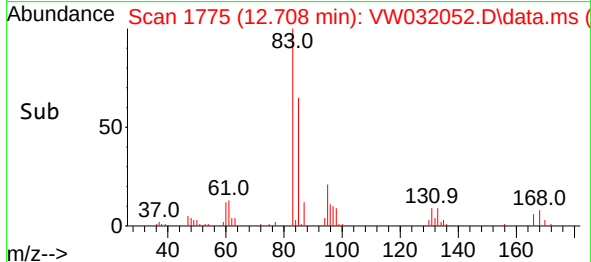
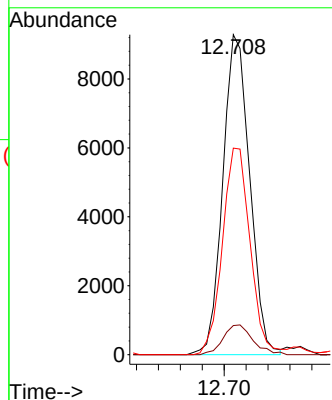
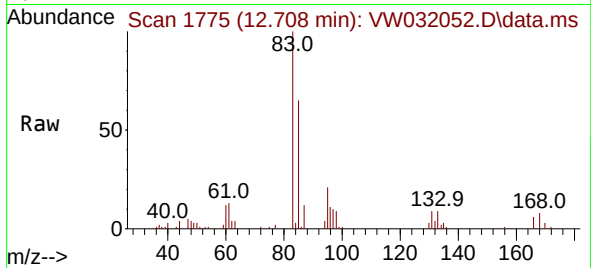




#75
1,1,2,2-Tetrachloroethane
Concen: 4.836 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

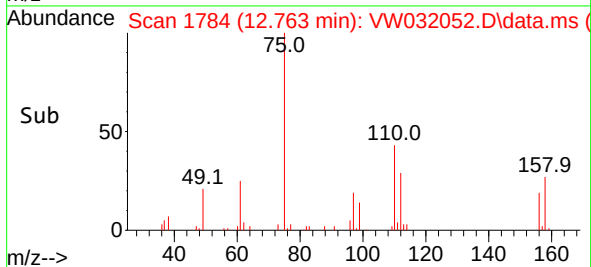
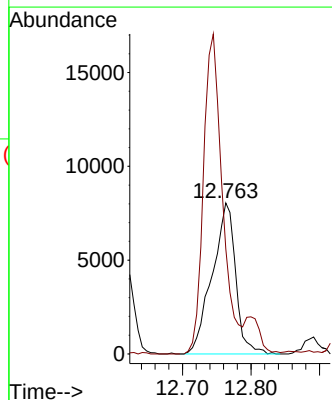
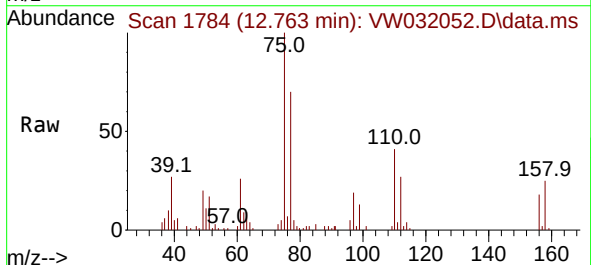
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

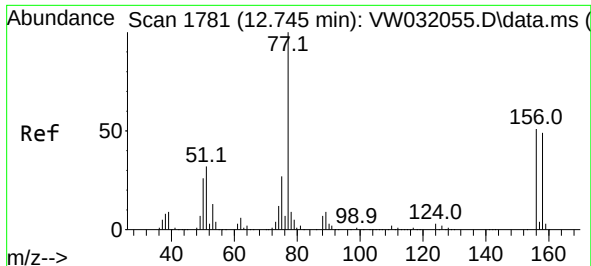
Tgt Ion:	83	Resp:	15805
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	66.7	32.2	96.6



#76
1,2,3-Trichloropropane
Concen: 6.318 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:	75	Resp:	19129
Ion	Ratio	Lower	Upper
75	100		
77	172.4	123.5	370.5

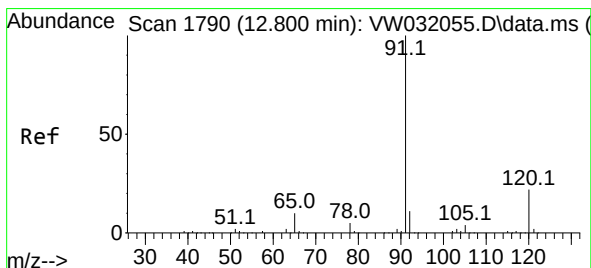
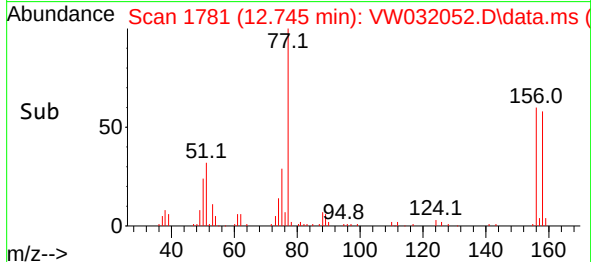
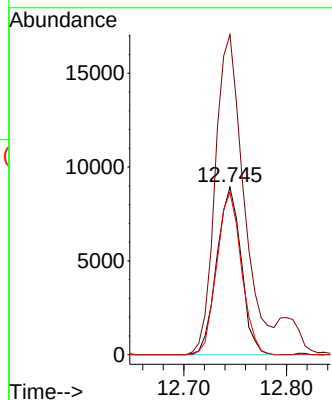
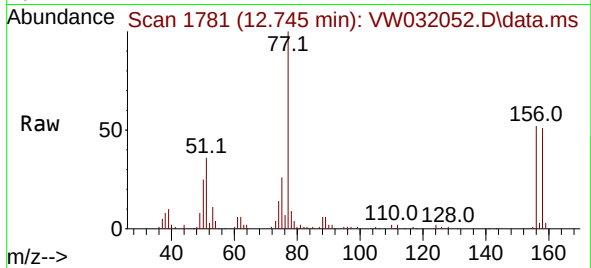




#77
Bromobenzene
Concen: 4.471 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

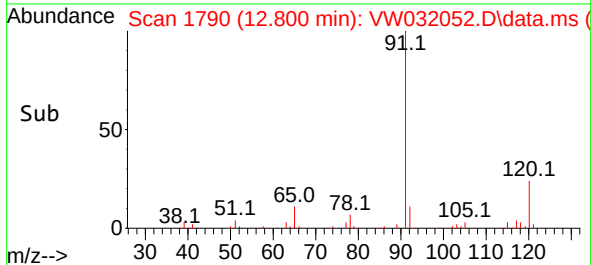
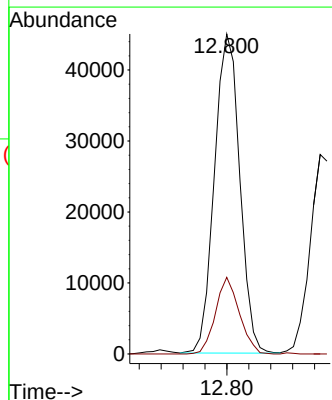
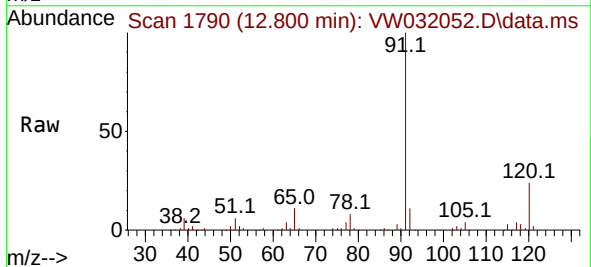
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

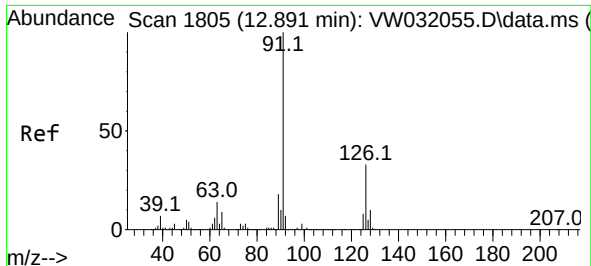
Tgt Ion:156 Resp: 14698
Ion Ratio Lower Upper
156 100
77 224.3 108.7 326.3
158 97.7 48.3 144.9



#78
n-propylbenzene
Concen: 4.257 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 91 Resp: 72140
Ion Ratio Lower Upper
91 100
120 22.6 11.1 33.3

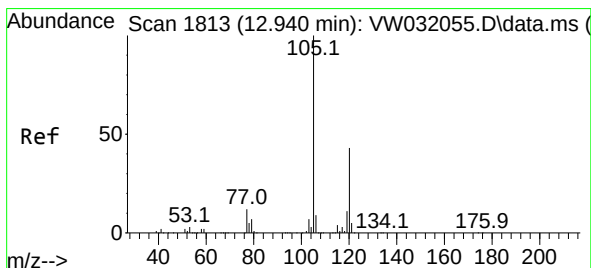
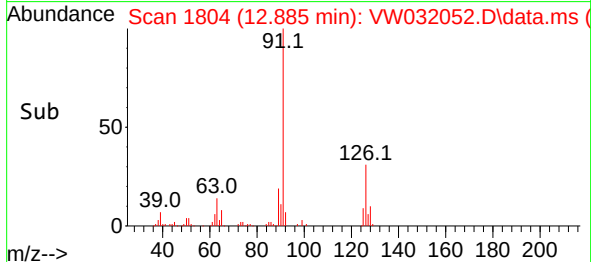
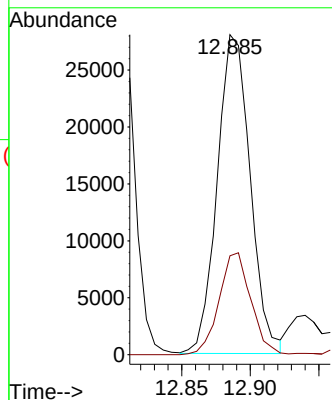
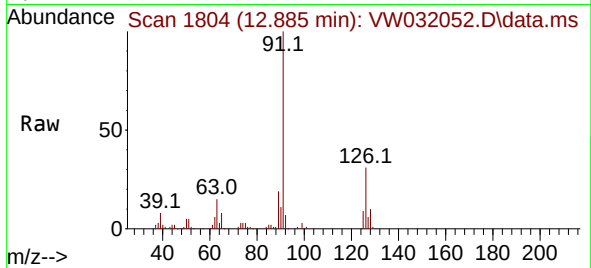




#79
2-Chlorotoluene
Concen: 4.483 ug/l
RT: 12.885 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

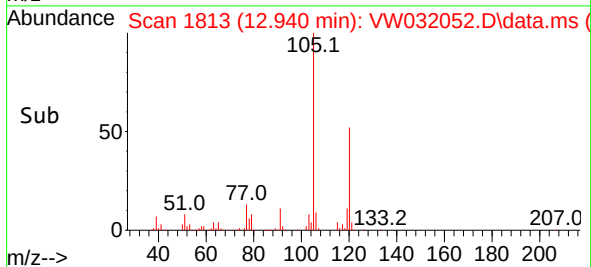
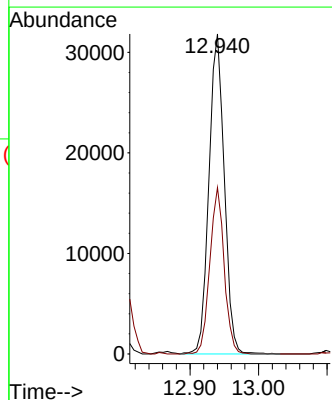
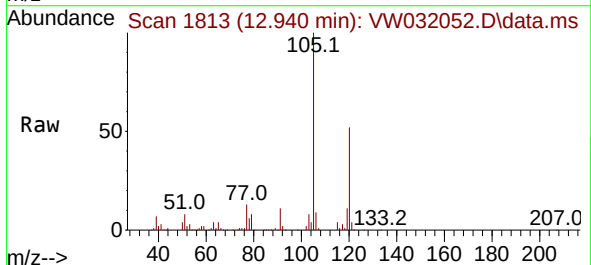
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

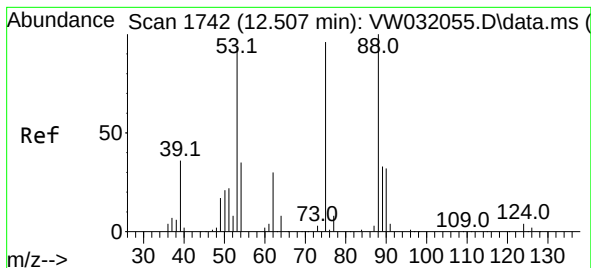
Tgt Ion: 91 Resp: 46879
Ion Ratio Lower Upper
91 100
126 30.8 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 4.245 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 105 Resp: 49607
Ion Ratio Lower Upper
105 100
120 48.6 23.4 70.0

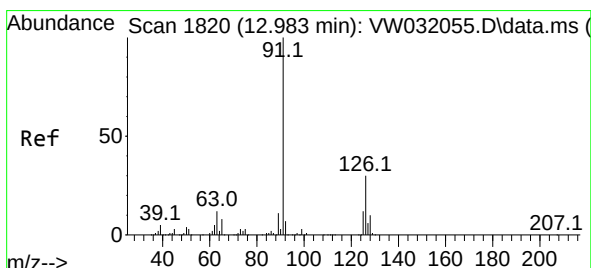
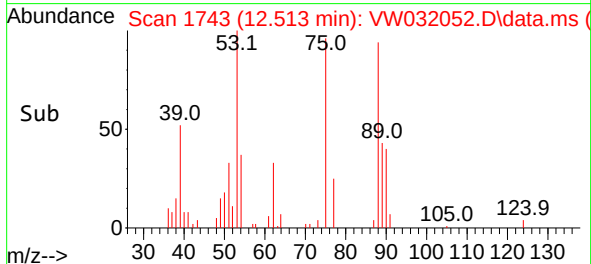
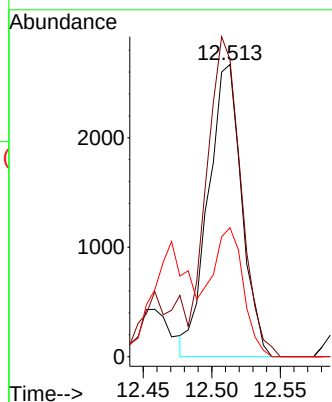
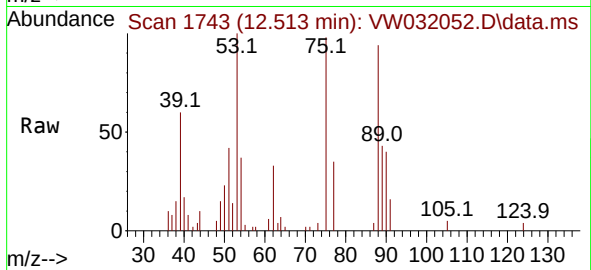




#81
trans-1,4-Dichloro-2-butene
Concen: 4.378 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

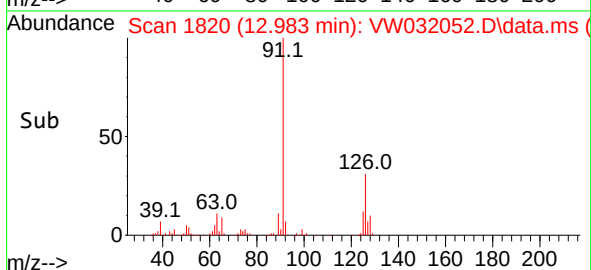
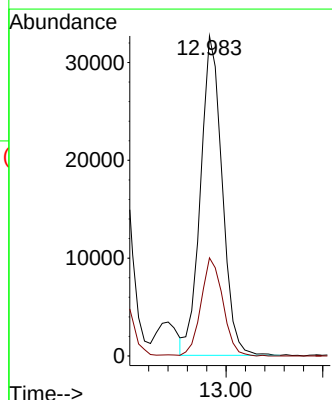
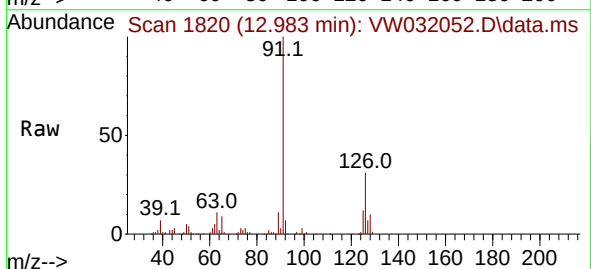
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

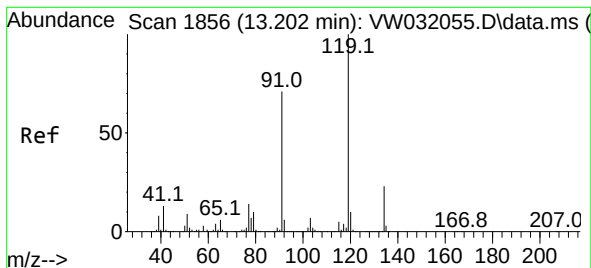
Tgt Ion: 75 Resp: 4520
Ion Ratio Lower Upper
75 100
53 110.7 81.0 121.6
89 43.0 37.3 55.9



#82
4-Chlorotoluene
Concen: 4.570 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion: 91 Resp: 50782
Ion Ratio Lower Upper
91 100
126 31.1 15.5 46.5

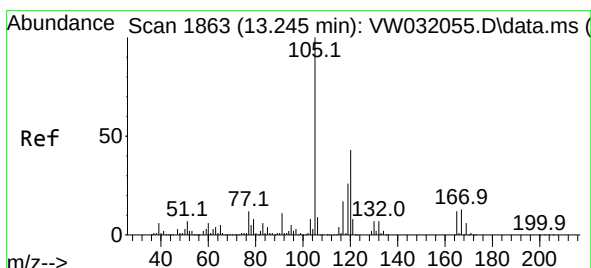
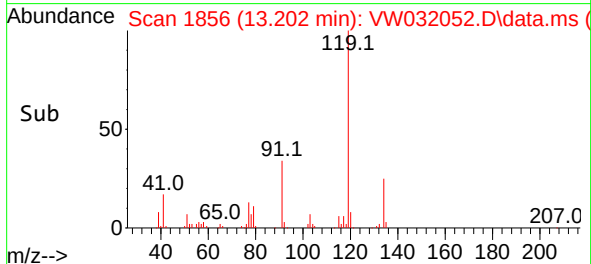
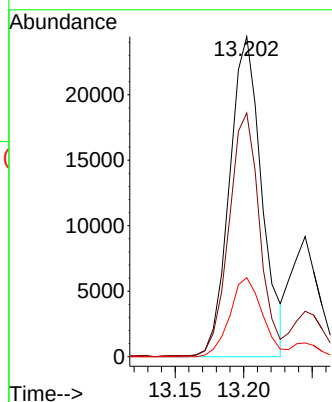
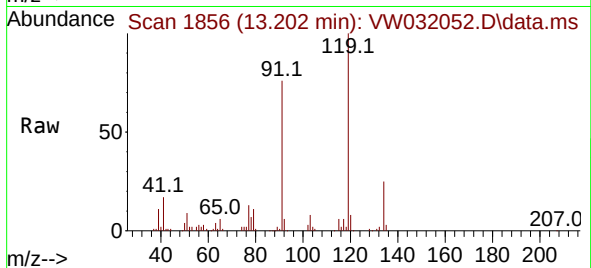




#83
tert-Butylbenzene
Concen: 4.124 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

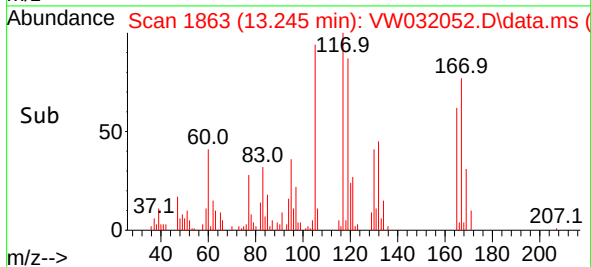
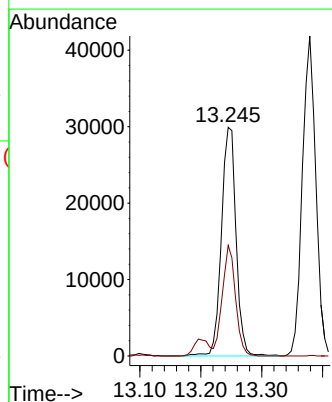
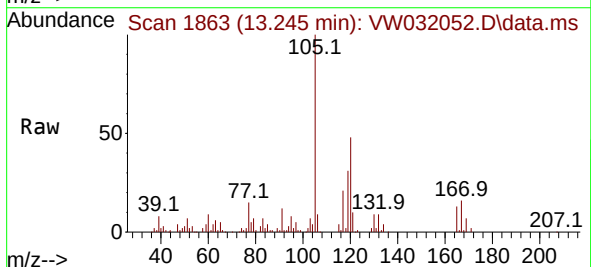
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

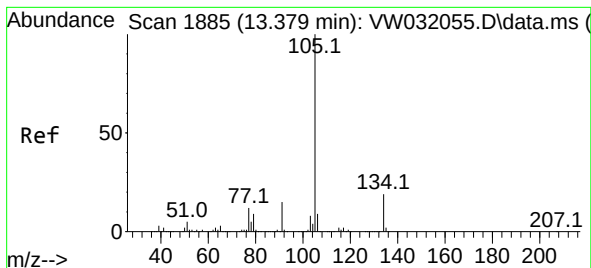
Tgt Ion:119 Resp: 39993
Ion Ratio Lower Upper
119 100
91 72.6 35.3 105.9
134 25.1 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 4.194 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032052.D
Acq: 11 Aug 2025 08:25

Tgt Ion:105 Resp: 49891
Ion Ratio Lower Upper
105 100
120 43.4 21.6 64.8





#85

sec-Butylbenzene

Concen: 4.382 ug/l

RT: 13.379 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

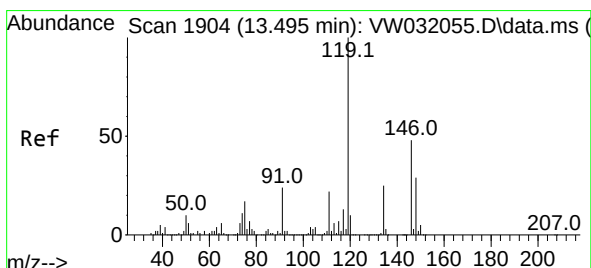
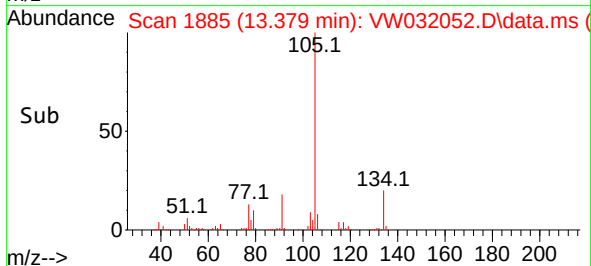
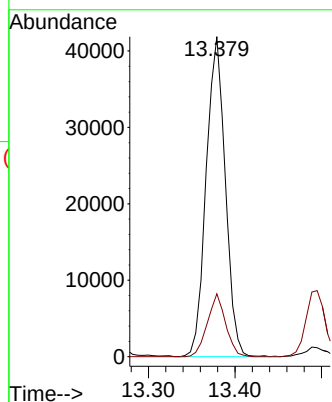
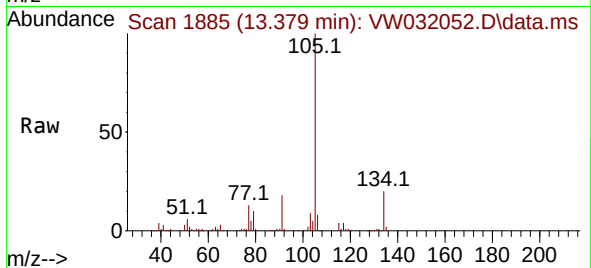
VSTDIC005

Tgt Ion:105 Resp: 64254

Ion Ratio Lower Upper

105 100

134 18.7 9.9 29.7



#86

p-Isopropyltoluene

Concen: 4.249 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

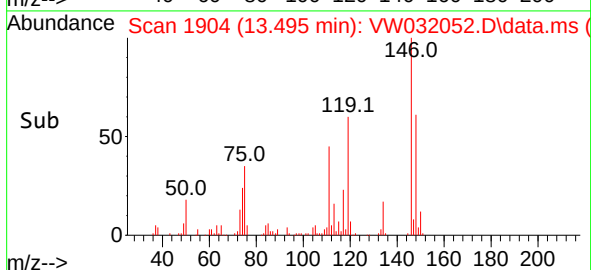
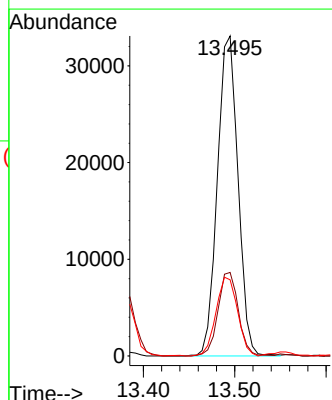
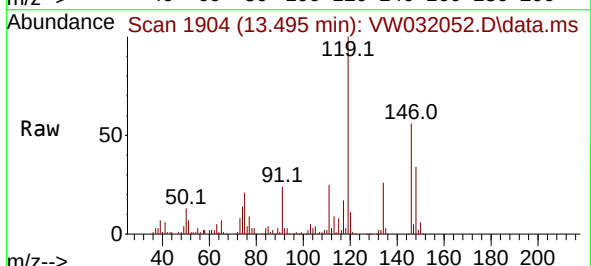
Tgt Ion:119 Resp: 51939

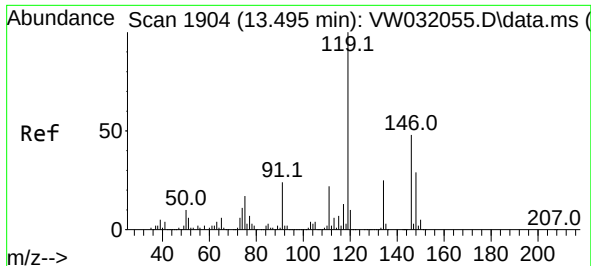
Ion Ratio Lower Upper

119 100

134 25.8 12.4 37.0

91 25.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.654 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

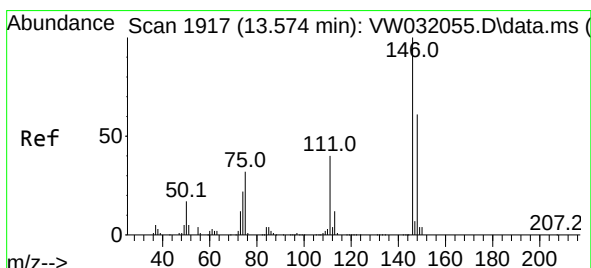
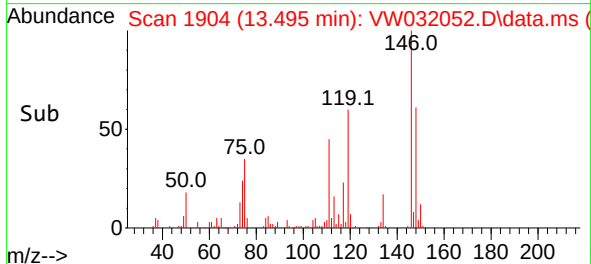
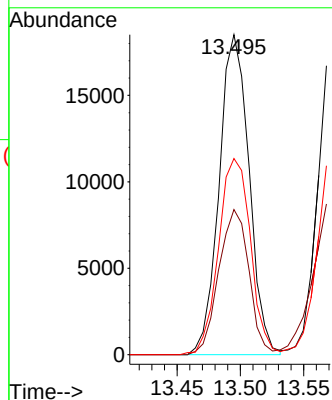
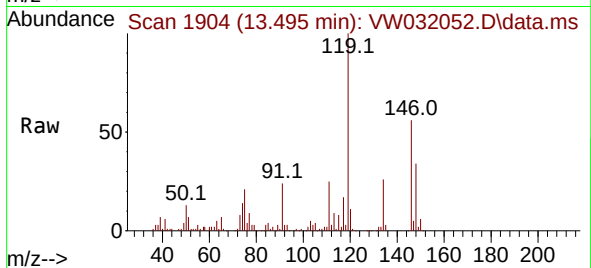
Tgt Ion:146 Resp: 30445

Ion Ratio Lower Upper

146 100

111 45.7 21.2 63.6

148 65.5 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 4.925 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

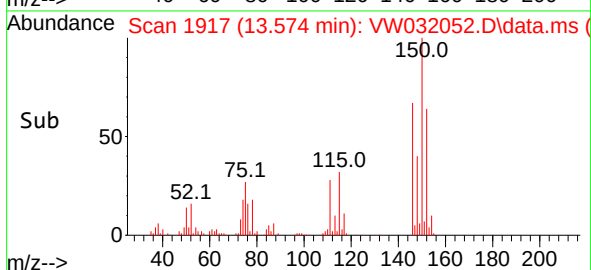
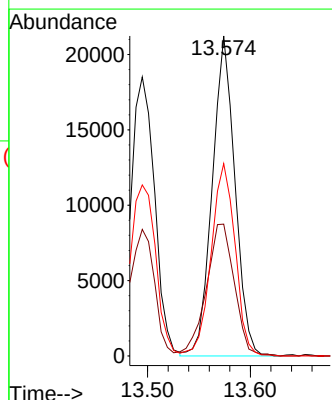
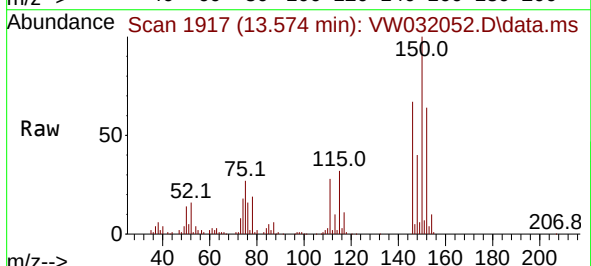
Tgt Ion:146 Resp: 32554

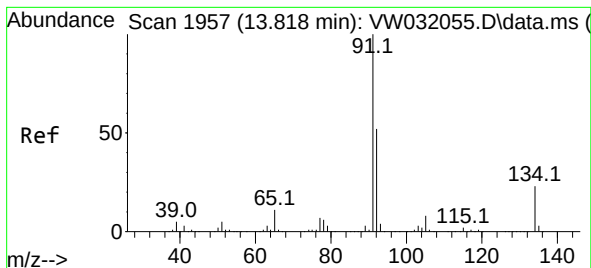
Ion Ratio Lower Upper

146 100

111 51.0 21.6 64.6

148 63.5 32.0 96.2





#89

n-Butylbenzene

Concen: 4.323 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

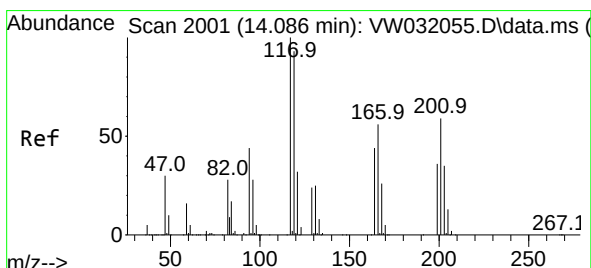
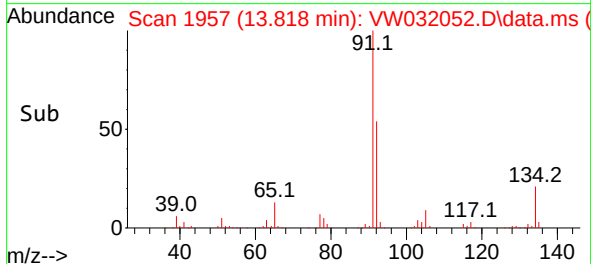
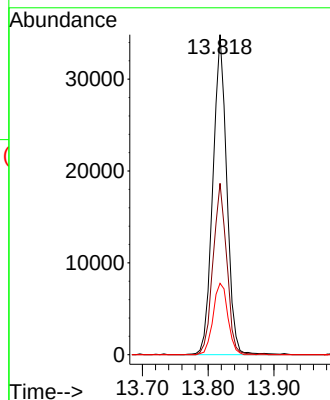
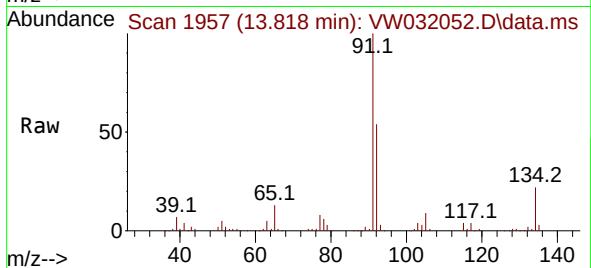
Tgt Ion: 91 Resp: 51328

Ion Ratio Lower Upper

91 100

92 52.6 26.7 80.1

134 23.5 12.0 36.1



#90

Hexachloroethane

Concen: 4.640 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW032052.D

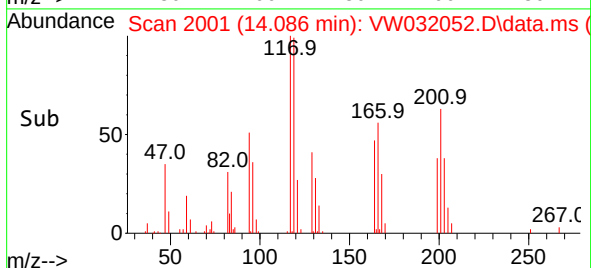
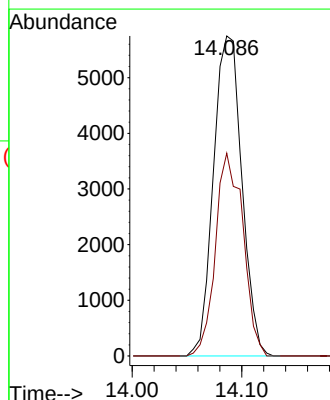
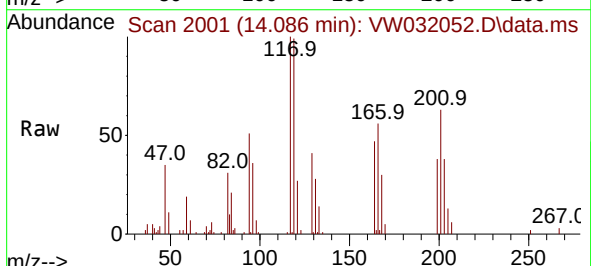
Acq: 11 Aug 2025 08:25

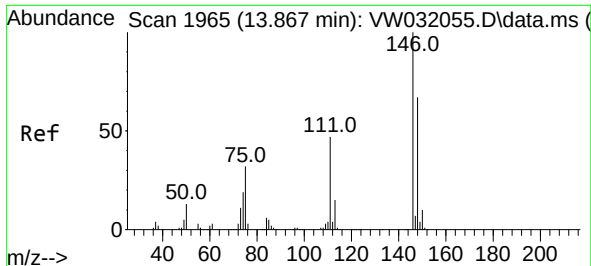
Tgt Ion: 117 Resp: 10372

Ion Ratio Lower Upper

117 100

201 61.2 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 4.836 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

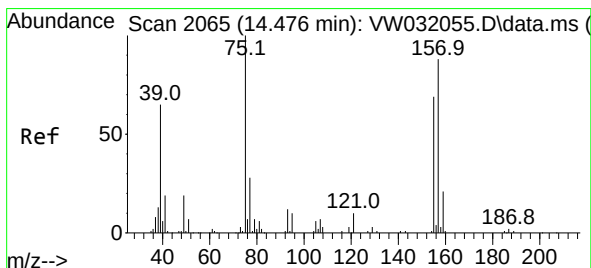
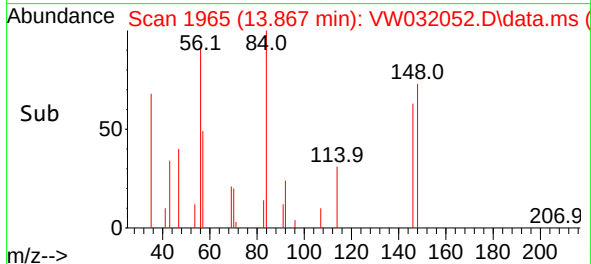
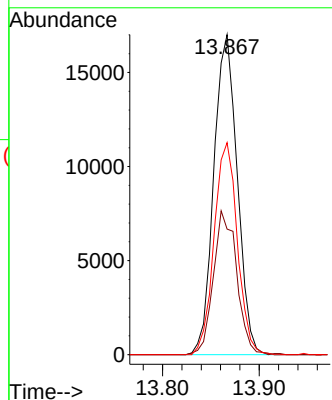
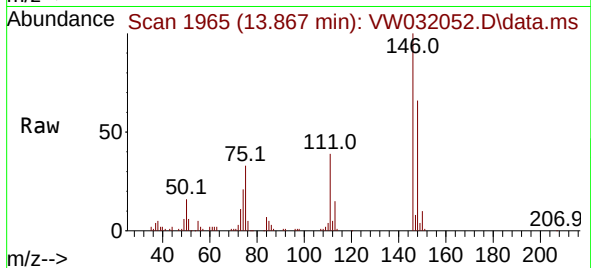
Tgt Ion:146 Resp: 28653

Ion Ratio Lower Upper

146 100

111 44.7 23.1 69.3

148 65.7 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.123 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

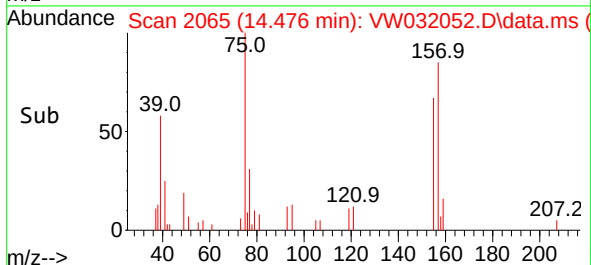
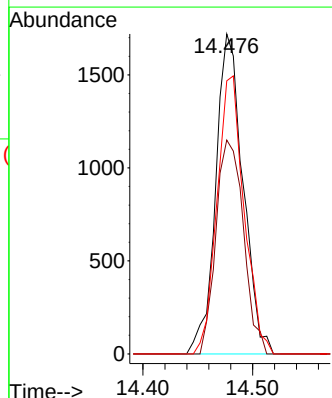
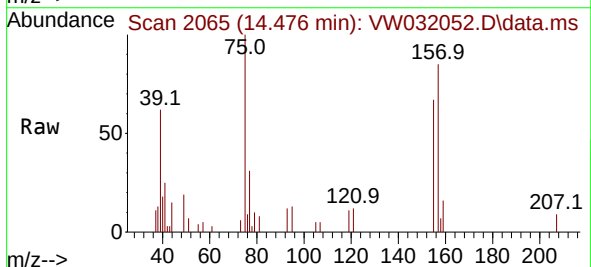
Tgt Ion: 75 Resp: 2976

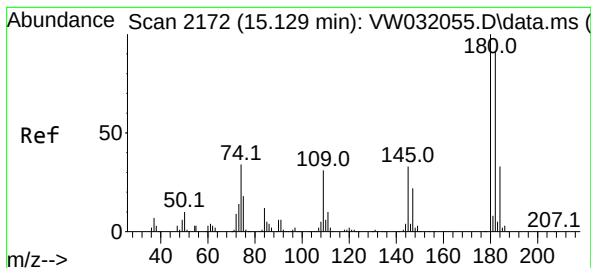
Ion Ratio Lower Upper

75 100

155 67.4 35.2 105.6

157 86.2 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 4.414 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

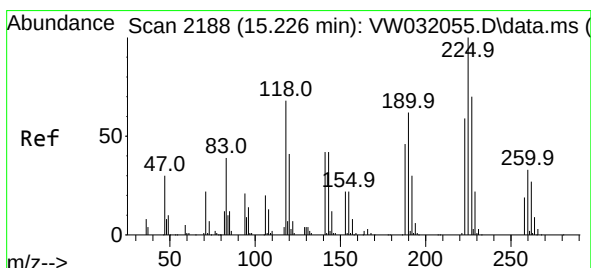
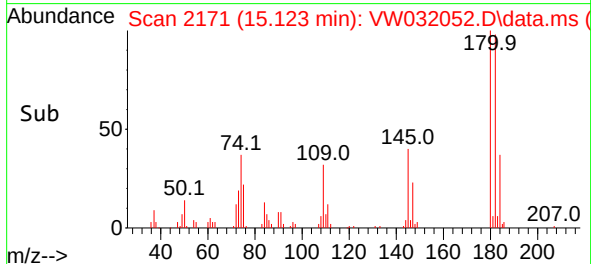
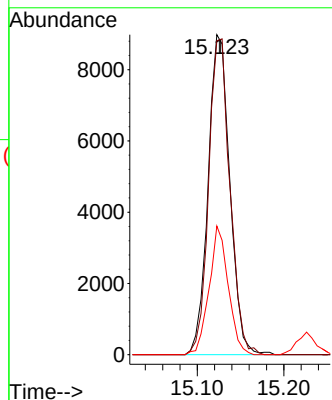
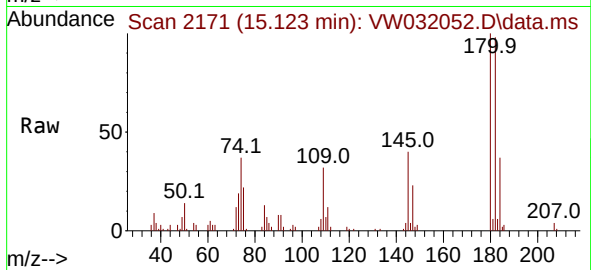
Tgt Ion:180 Resp: 15646

Ion Ratio Lower Upper

180 100

182 96.8 49.0 147.0

145 35.4 17.3 51.9



#94

Hexachlorobutadiene

Concen: 5.118 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

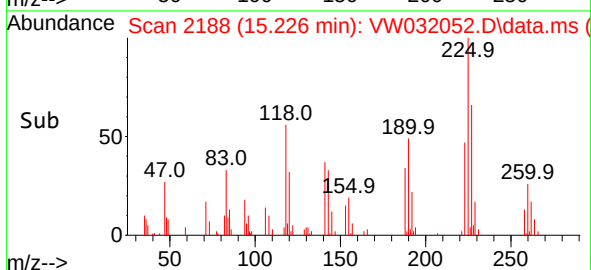
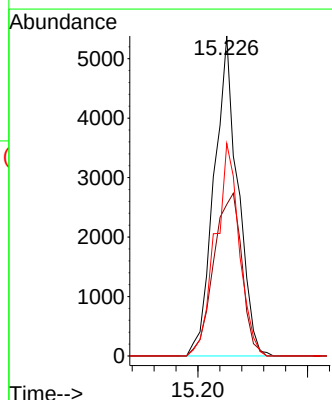
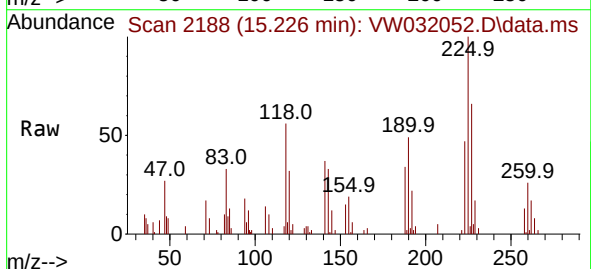
Tgt Ion:225 Resp: 8109

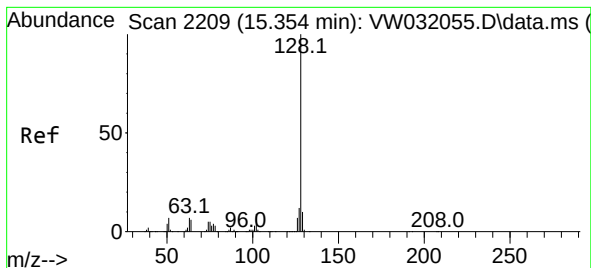
Ion Ratio Lower Upper

225 100

223 60.1 31.8 95.3

227 66.8 33.5 100.5





#95

Naphthalene

Concen: 3.991 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

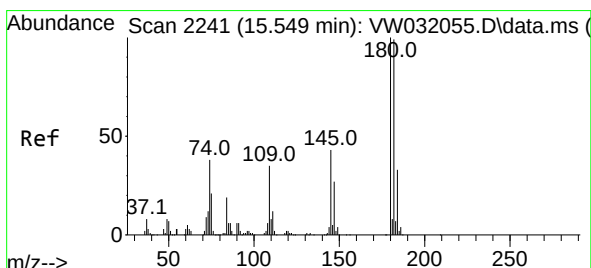
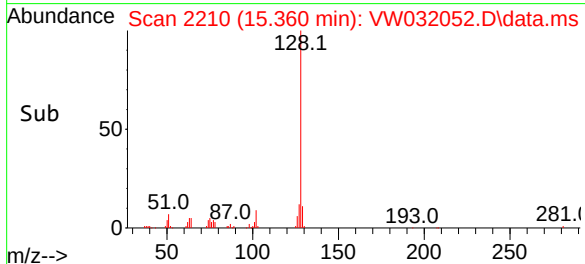
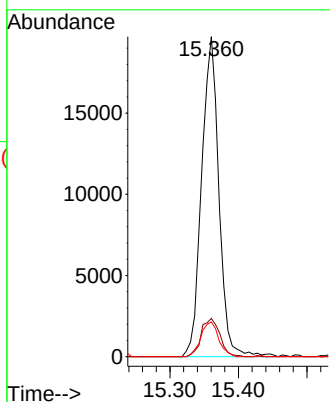
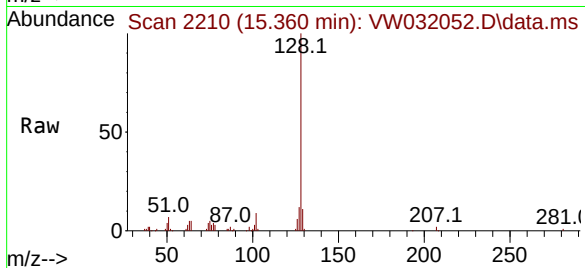
Tgt Ion:128 Resp: 34667

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 11.2 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 4.357 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW032052.D

Acq: 11 Aug 2025 08:25

Tgt Ion:180 Resp: 14053

Ion Ratio Lower Upper

180 100

182 100.4 46.0 138.0

145 41.7 19.2 57.6

