

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032054.D
 Acq On : 11 Aug 2025 09:47
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 12 03:37:51 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	221832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	428395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	386857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	191343	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	63857	19.904	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	39.800%#
35) Dibromofluoromethane	7.898	113	55788	20.158	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	40.320%#
50) Toluene-d8	10.325	98	206901	20.212	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	40.420%#
62) 4-Bromofluorobenzene	12.617	95	76008	20.149	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	40.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	34171	21.537	ug/l	94
3) Chloromethane	2.253	50	44499	20.821	ug/l	99
4) Vinyl Chloride	2.405	62	57293	22.162	ug/l	91
5) Bromomethane	2.814	94	41008	21.144	ug/l	93
6) Chloroethane	2.966	64	36220	21.173	ug/l	100
7) Trichlorofluoromethane	3.302	101	38977	18.821	ug/l	99
8) Diethyl Ether	3.716	74	34764	20.489	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.088	101	52165	21.351	ug/l	99
10) Methyl Iodide	4.308	142	74197	21.419	ug/l	99
11) Tert butyl alcohol	5.216	59	18539	89.237	ug/l	100
12) 1,1-Dichloroethene	4.076	96	57624	21.419	ug/l	98
13) Acrolein	3.923	56	32512	98.218	ug/l	96
14) Allyl chloride	4.698	41	81458	20.804	ug/l	99
15) Acrylonitrile	5.393	53	75311	93.190	ug/l	98
16) Acetone	4.155	43	67134	90.379	ug/l	99
17) Carbon Disulfide	4.417	76	153247	21.222	ug/l	97
18) Methyl Acetate	4.704	43	43536	18.522	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	96253	20.306	ug/l	99
20) Methylene Chloride	4.948	84	74547	21.706	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	59717	20.917	ug/l	97
22) Diisopropyl ether	6.338	45	172071	20.846	ug/l	99
23) Vinyl Acetate	6.277	43	539862	99.617	ug/l	99
24) 1,1-Dichloroethane	6.240	63	110835	21.016	ug/l	98
25) 2-Butanone	7.191	43	96191	91.114	ug/l	97
26) 2,2-Dichloropropane	7.179	77	53780	20.327	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	68545	20.540	ug/l	99
28) Bromochloromethane	7.527	49	48715	20.298	ug/l	99
29) Tetrahydrofuran	7.551	42	64317	92.379	ug/l	98
30) Chloroform	7.691	83	117474	21.011	ug/l	97
31) Cyclohexane	7.965	56	95253	20.833	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	85600	21.078	ug/l	97
36) 1,1-Dichloropropene	8.087	75	80811	20.712	ug/l	99
37) Ethyl Acetate	7.270	43	41235	17.945	ug/l	98
38) Carbon Tetrachloride	8.081	117	77289	20.527	ug/l	91
39) Methylcyclohexane	9.337	83	97412	20.484	ug/l	94
40) Benzene	8.331	78	246590	20.333	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	25075	19.242	ug/l	97
42) 1,2-Dichloroethane	8.410	62	78543	20.239	ug/l	99
43) Isopropyl Acetate	8.435	43	78887	18.660	ug/l	98
44) Trichloroethene	9.099	130	58636	20.302	ug/l	99
45) 1,2-Dichloropropane	9.374	63	60346	20.597	ug/l	100
46) Dibromomethane	9.465	93	37580	19.873	ug/l	98
47) Bromodichloromethane	9.648	83	86577	19.869	ug/l	92
48) Methyl methacrylate	9.441	41	38175	18.704	ug/l	97
49) 1,4-Dioxane	9.459	88	8924	364.998	ug/l	97
51) 4-Methyl-2-Pentanone	10.209	43	220661	92.472	ug/l	99
52) Toluene	10.392	92	155974	20.418	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	79452	19.463	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	90828	19.612	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	49974	19.888	ug/l	95
56) Ethyl methacrylate	10.648	69	62694	18.645	ug/l	97
57) 1,3-Dichloropropane	10.934	76	86678	19.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	176339	94.809	ug/l	98
59) 2-Hexanone	10.971	43	151264	91.530	ug/l	100
60) Dibromochloromethane	11.130	129	56607	19.721	ug/l	100
61) 1,2-Dibromoethane	11.233	107	47302	19.371	ug/l	100
64) Tetrachloroethene	10.861	164	45660	20.434	ug/l	99
65) Chlorobenzene	11.654	112	169830	20.169	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	52937	20.150	ug/l	98
67) Ethyl Benzene	11.727	91	297193	20.836	ug/l	97
68) m/p-Xylenes	11.837	106	233224	42.376	ug/l	98
69) o-Xylene	12.166	106	104192	20.482	ug/l	100
70) Styrene	12.178	104	189664	20.991	ug/l	98
71) Bromoform	12.349	173	28540	18.991	ug/l #	96
73) Isopropylbenzene	12.459	105	269829	20.178	ug/l	99
74) N-amyl acetate	12.270	43	69075	18.005	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.709	83	58836	18.531	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	73585	25.017	ug/l	63
77) Bromobenzene	12.745	156	61389	19.221	ug/l	98
78) n-propylbenzene	12.800	91	337098	20.476	ug/l	100
79) 2-Chlorotoluene	12.885	91	203918	20.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	229615	20.226	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	17512	17.458	ug/l	92
82) 4-Chlorotoluene	12.983	91	218637	20.253	ug/l	98
83) tert-Butylbenzene	13.202	119	194168	20.608	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	240078	20.774	ug/l	100
85) sec-Butylbenzene	13.379	105	292689	20.547	ug/l	97
86) p-Isopropyltoluene	13.495	119	245081	20.638	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	128893	20.282	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	133097	20.724	ug/l	97
89) n-Butylbenzene	13.818	91	234522	20.328	ug/l	99
90) Hexachloroethane	14.086	117	43226	19.904	ug/l	93
91) 1,2-Dichlorobenzene	13.861	146	114056	19.812	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10011	17.736	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	69229	20.102	ug/l	95
94) Hexachlorobutadiene	15.226	225	30358	19.720	ug/l	91
95) Naphthalene	15.360	128	153137	18.147	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	61526	19.635	ug/l	97

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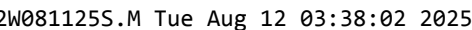
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MSVOA_W
ClientSampleId :
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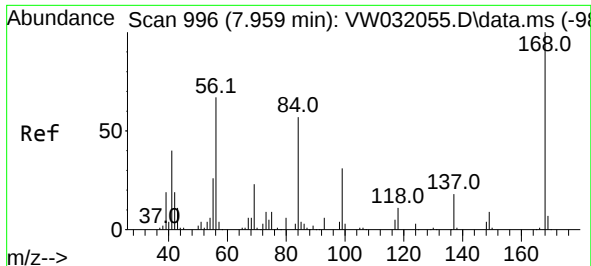
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Quant Title : SW846 8260
QLast Update : Tue Aug 12 03:34:13 2025
Response via : Initial Calibration

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

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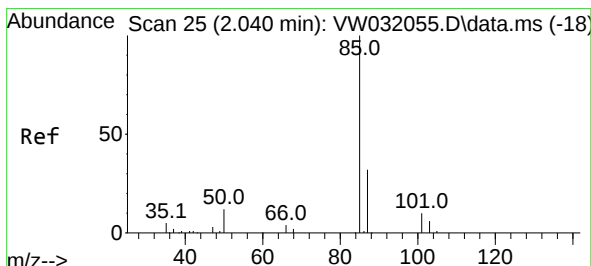
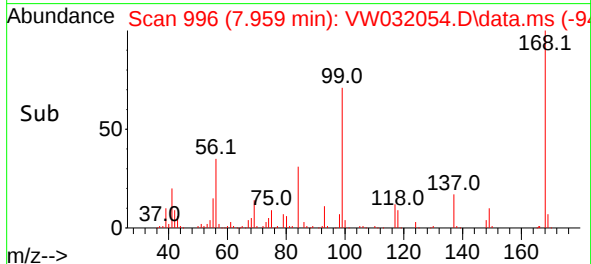
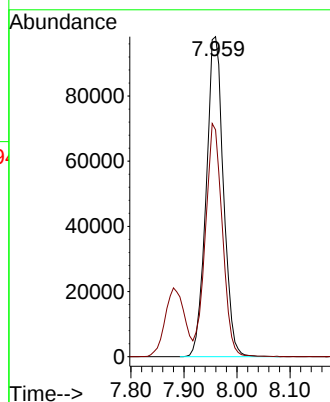
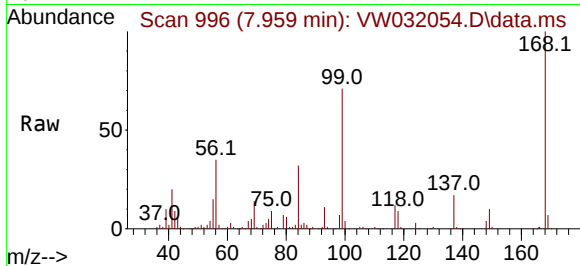




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032054.D
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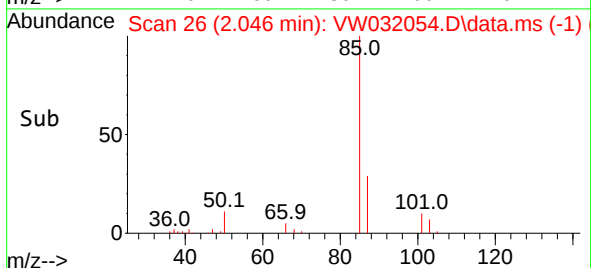
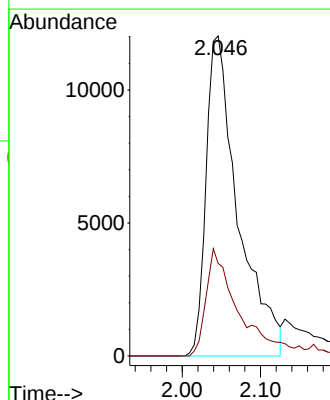
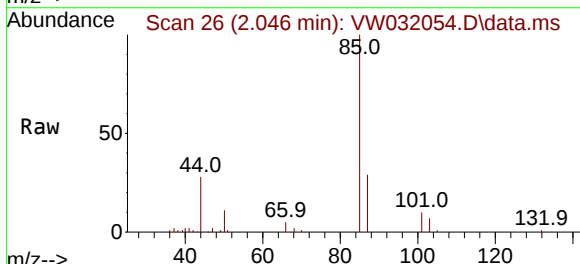
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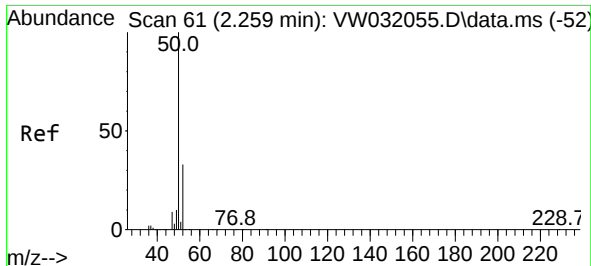
Tgt Ion:168 Resp: 221832
Ion Ratio Lower Upper
168 100
99 70.9 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 21.537 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 85 Resp: 34171
Ion Ratio Lower Upper
85 100
87 29.0 16.2 48.6

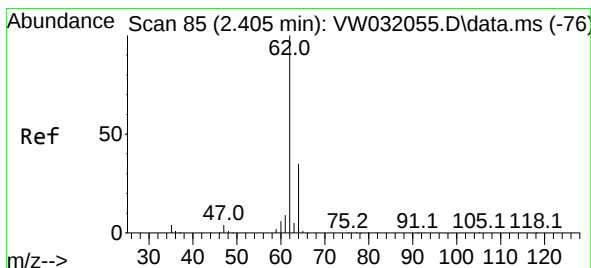
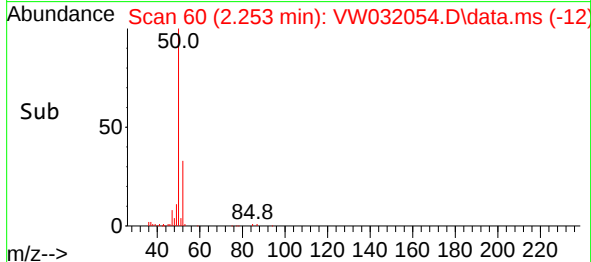
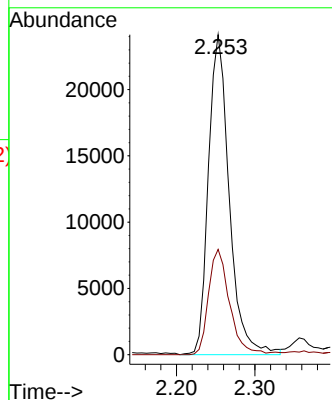
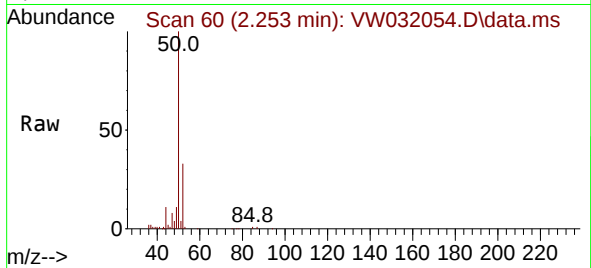




#3
Chloromethane
Concen: 20.821 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

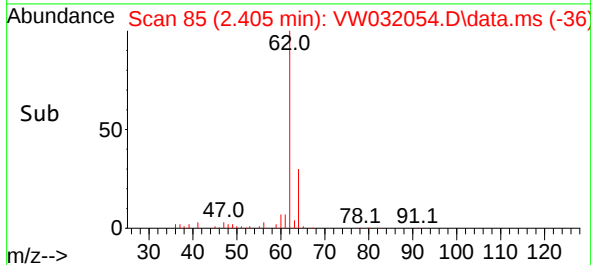
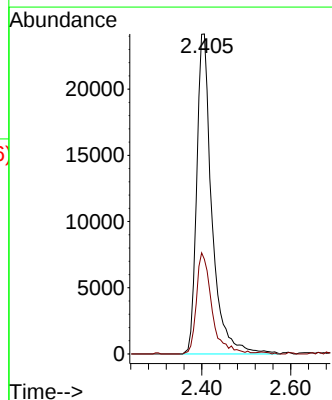
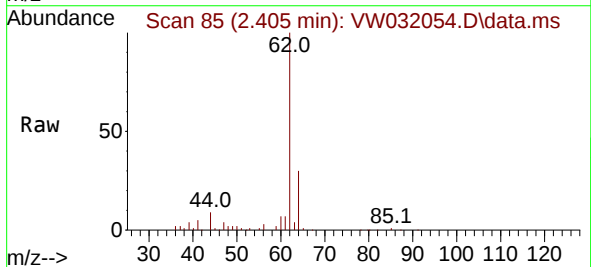
Instrument :
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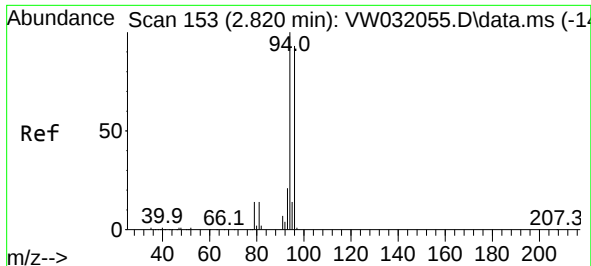
Tgt Ion: 50 Resp: 44499
Ion Ratio Lower Upper
50 100
52 32.9 26.6 39.8



#4
Vinyl Chloride
Concen: 22.162 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 62 Resp: 57293
Ion Ratio Lower Upper
62 100
64 29.6 27.8 41.6

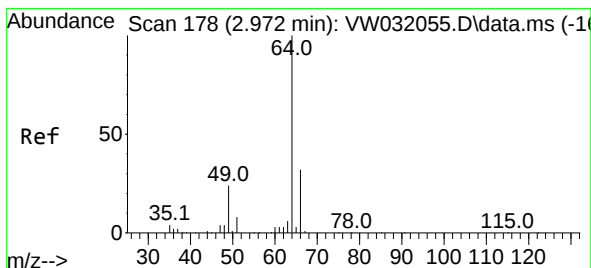
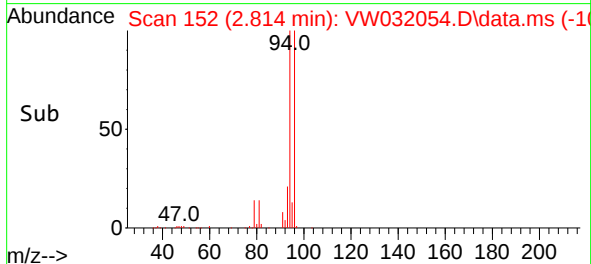
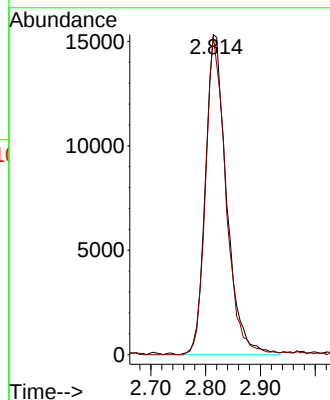
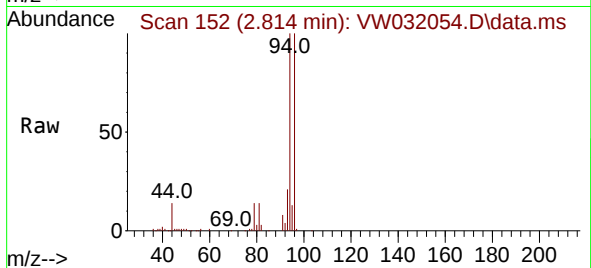




#5
Bromomethane
Concen: 21.144 ug/l
RT: 2.814 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

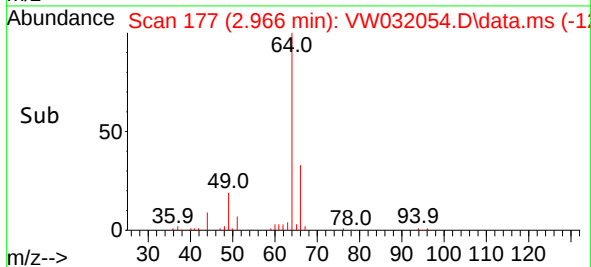
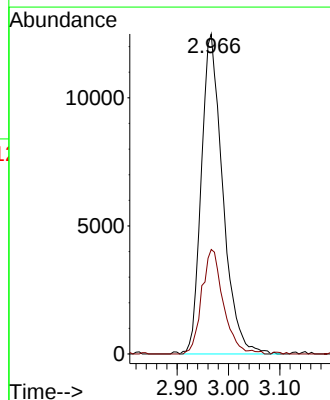
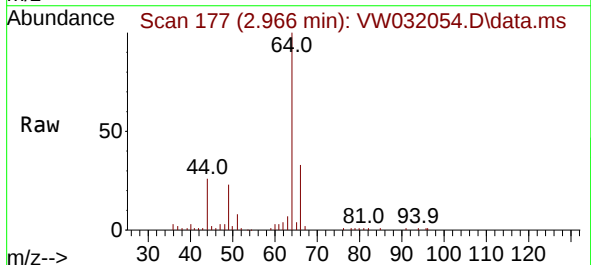
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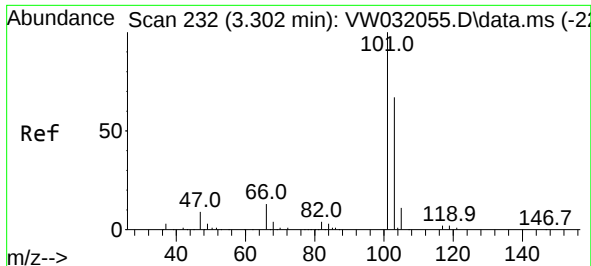
Tgt Ion: 94 Resp: 41008
Ion Ratio Lower Upper
94 100
96 99.7 74.7 112.1



#6
Chloroethane
Concen: 21.173 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 64 Resp: 36220
Ion Ratio Lower Upper
64 100
66 32.7 26.0 39.0

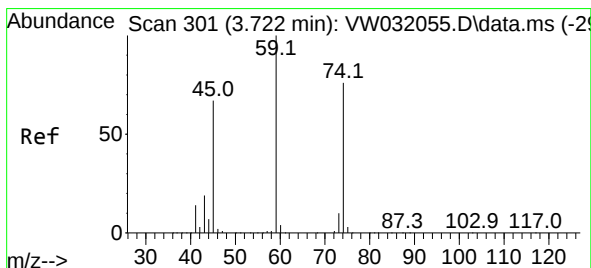
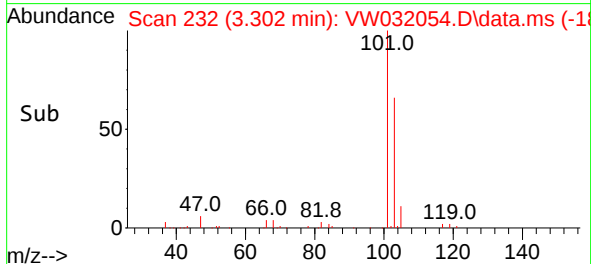
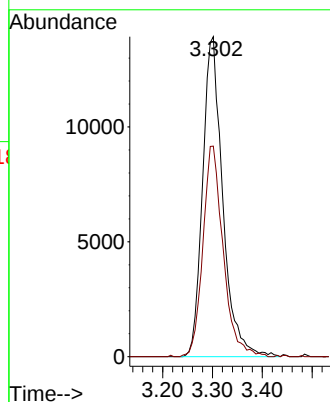
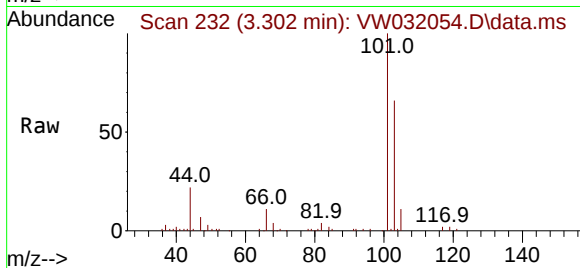




#7
 Trichlorofluoromethane
 Concen: 18.821 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

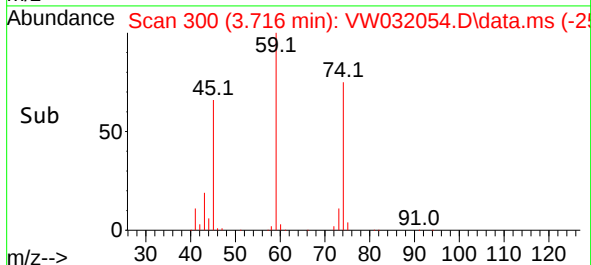
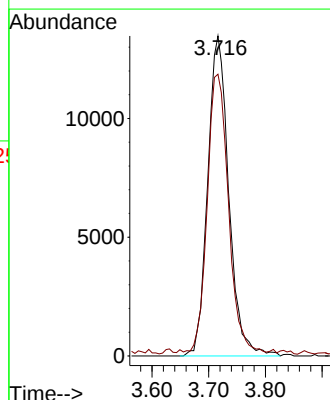
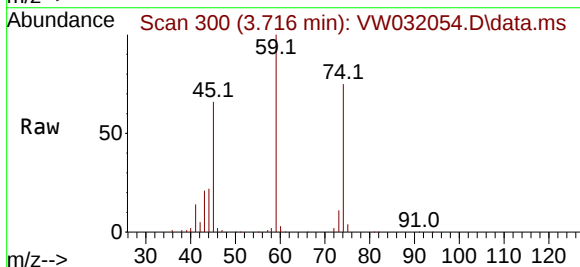
Instrument :
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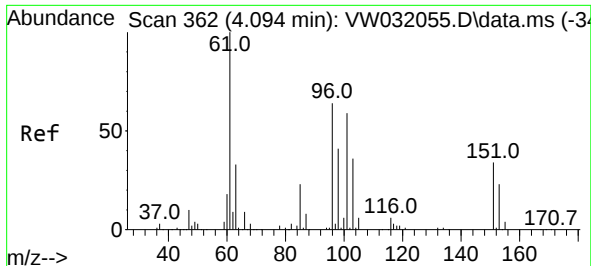
Tgt Ion:101 Resp: 38977
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.4 80.0



#8
 Diethyl Ether
 Concen: 20.489 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. -0.006 min
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Tgt Ion: 74 Resp: 34764
 Ion Ratio Lower Upper
 74 100
 45 86.6 45.4 136.2

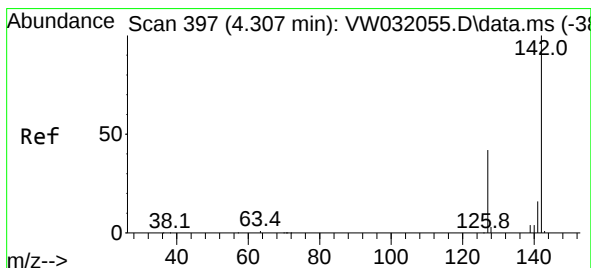
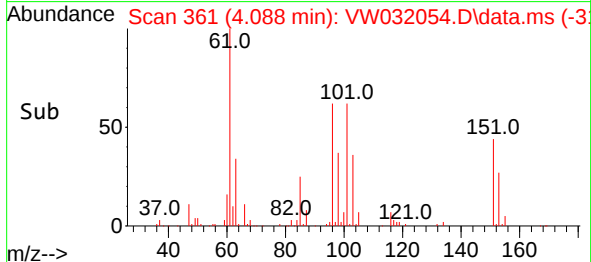
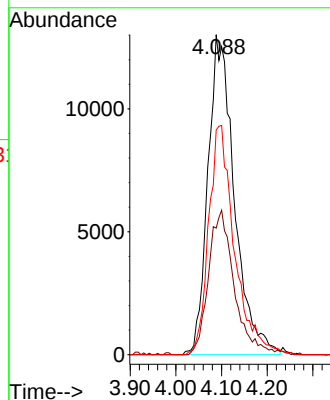
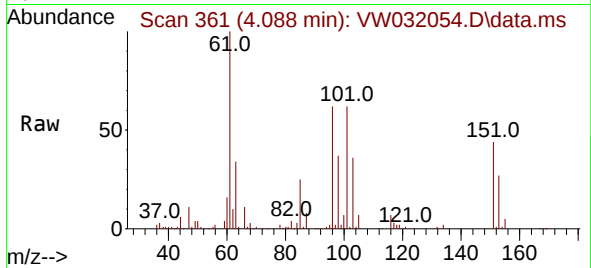




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.351 ug/l
RT: 4.088 min Scan# 361
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

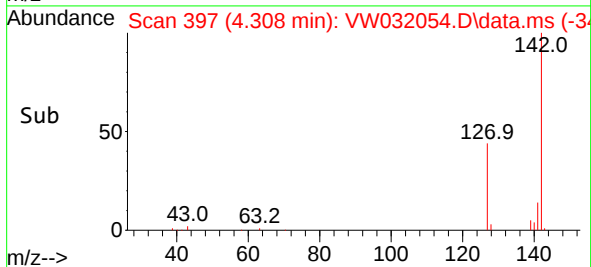
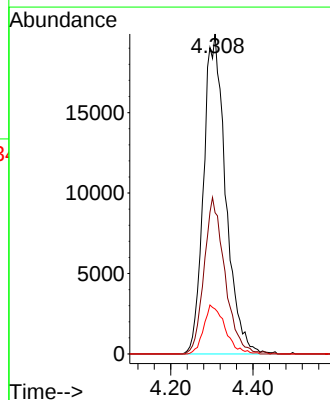
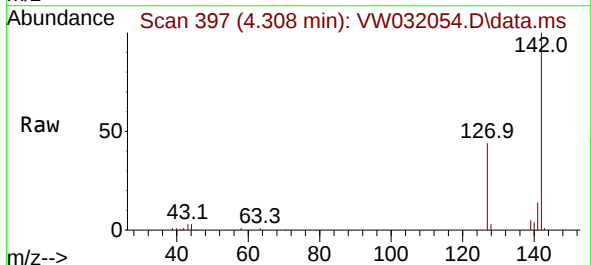
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

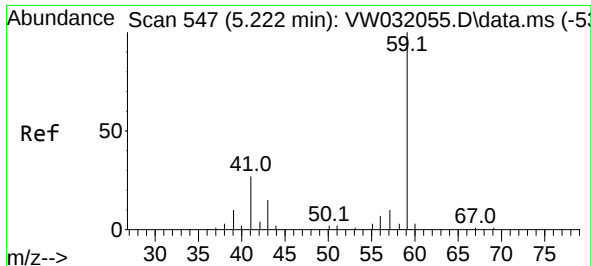
Tgt Ion:101 Resp: 52165
Ion Ratio Lower Upper
101 100
85 44.1 34.9 52.3
151 70.0 56.2 84.4



#10
Methyl Iodide
Concen: 21.419 ug/l
RT: 4.308 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:142 Resp: 74197
Ion Ratio Lower Upper
142 100
127 46.1 36.6 55.0
141 14.8 12.1 18.1

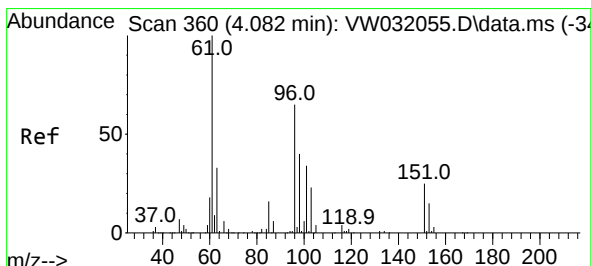
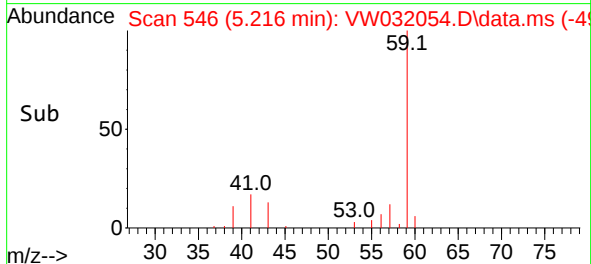
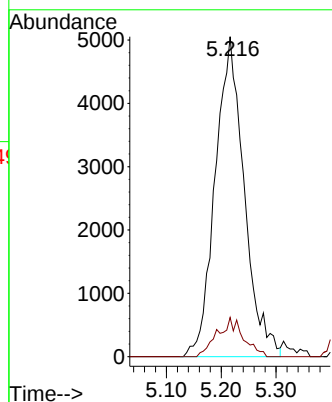
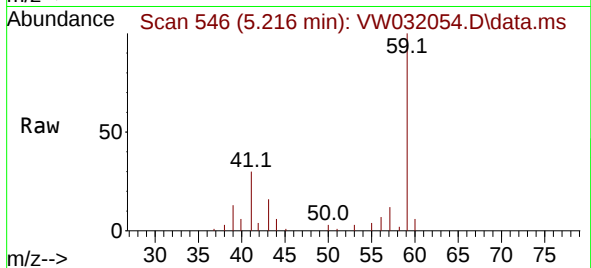




#11
Tert butyl alcohol
Concen: 89.237 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

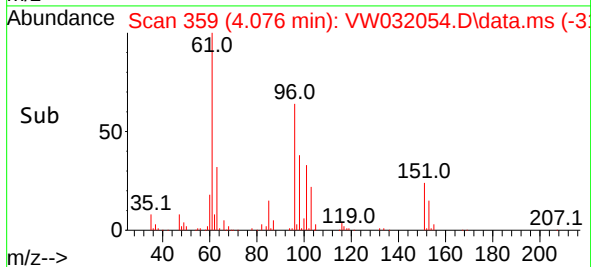
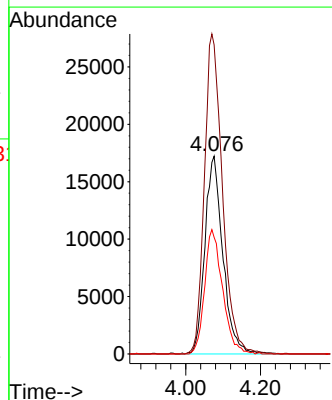
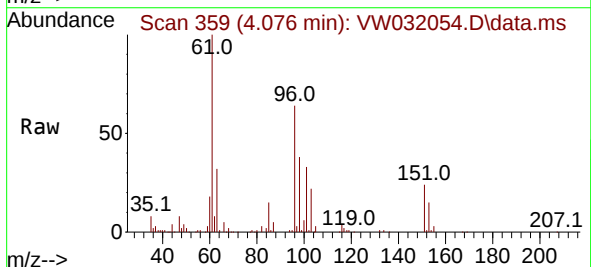
Instrument :
MSVOA_W
ClientSampleId :
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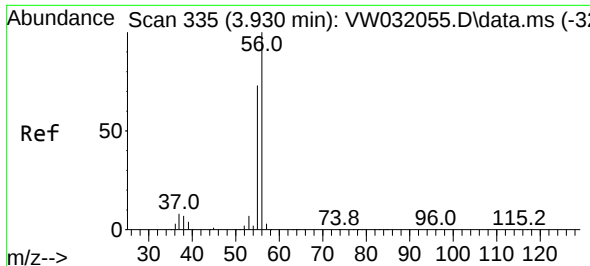
Tgt Ion: 59 Resp: 18539
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1



#12
1,1-Dichloroethene
Concen: 21.419 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 96 Resp: 57624
Ion Ratio Lower Upper
96 100
61 156.3 123.4 185.2
98 59.0 49.5 74.3

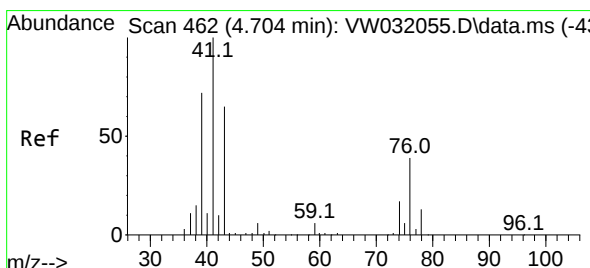
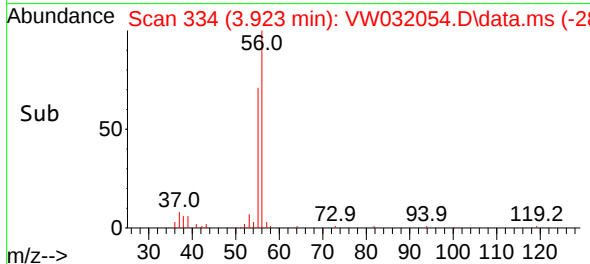
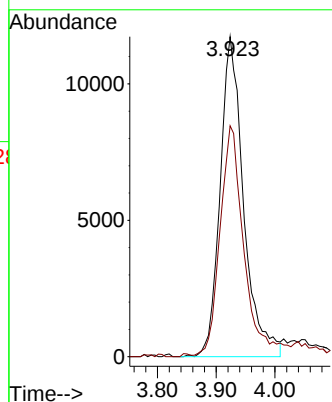
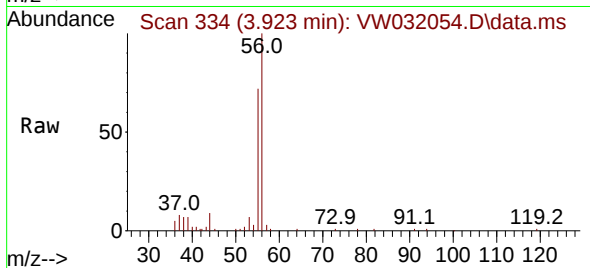




#13
Acrolein
Concen: 98.218 ug/l
RT: 3.923 min Scan# 311
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

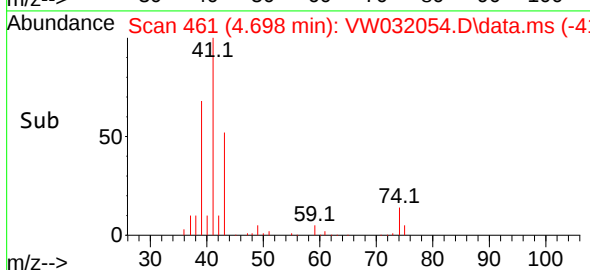
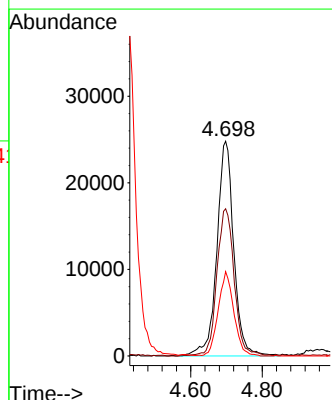
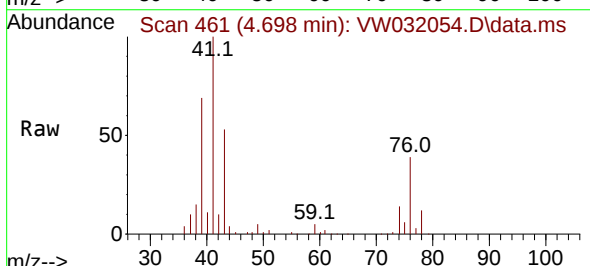
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

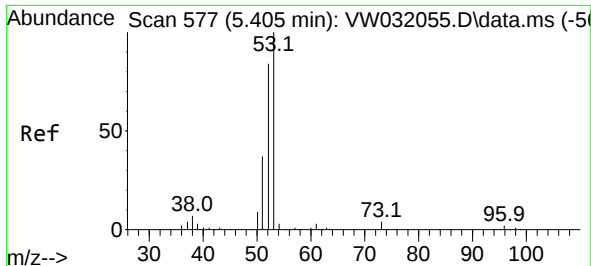
Tgt Ion: 56 Resp: 32512
Ion Ratio Lower Upper
56 100
55 72.7 55.4 83.2



#14
Allyl chloride
Concen: 20.804 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 41 Resp: 81458
Ion Ratio Lower Upper
41 100
39 69.3 54.5 81.7
76 36.3 29.3 43.9

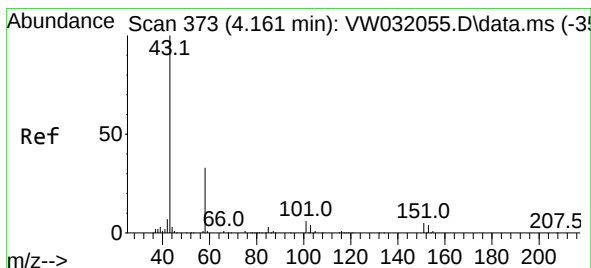
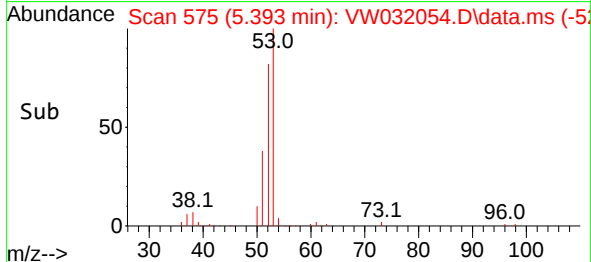
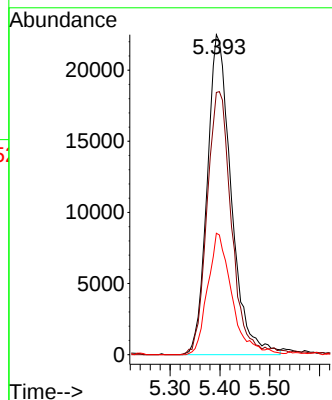
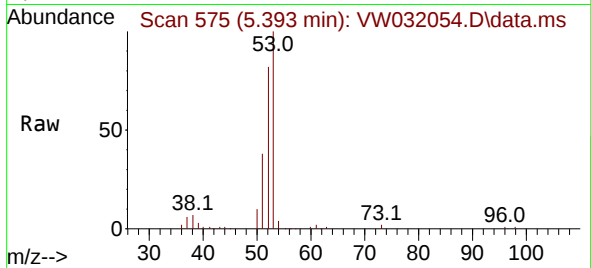




#15
Acrylonitrile
Concen: 93.190 ug/l
RT: 5.393 min Scan# 51
Delta R.T. -0.012 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

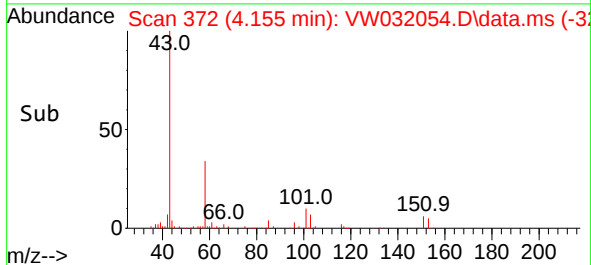
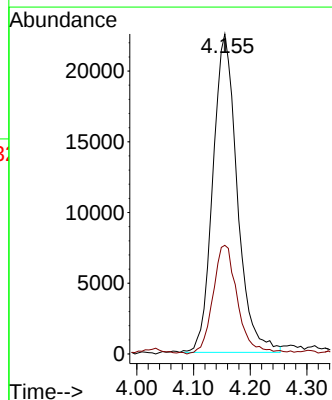
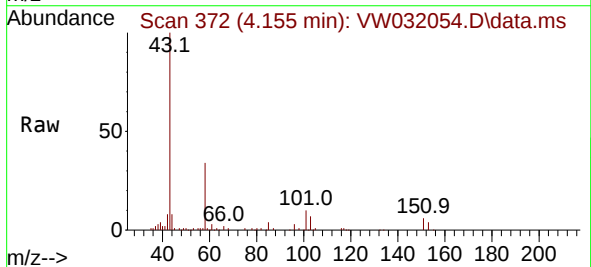
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

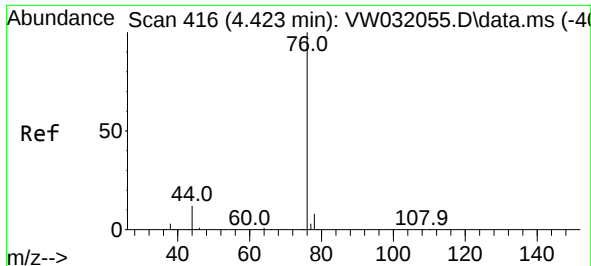
Tgt Ion: 53 Resp: 75311
Ion Ratio Lower Upper
53 100
52 84.2 66.1 99.1
51 38.4 29.2 43.8



#16
Acetone
Concen: 90.379 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 43 Resp: 67134
Ion Ratio Lower Upper
43 100
58 33.6 26.6 39.8

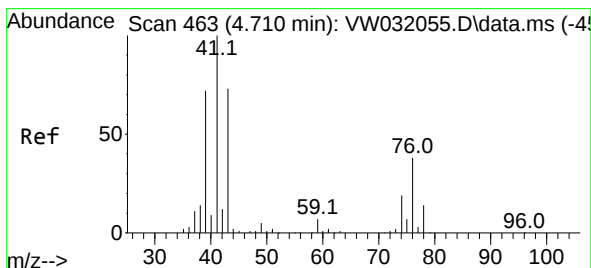
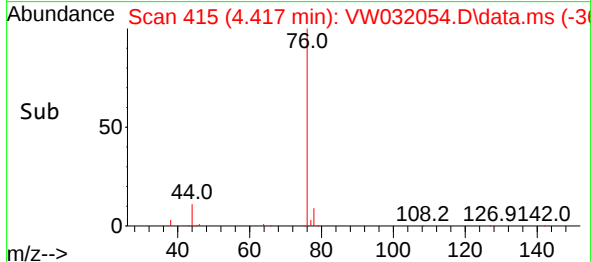
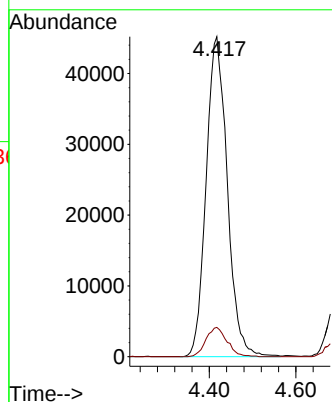
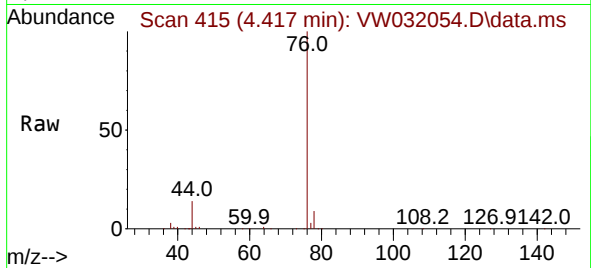




#17
Carbon Disulfide
Concen: 21.222 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

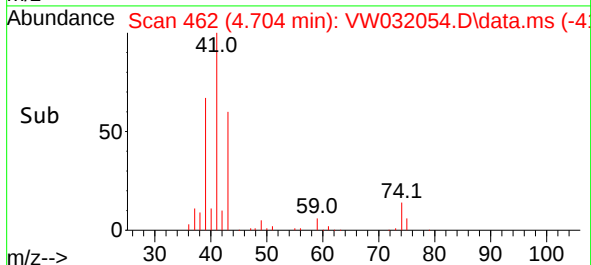
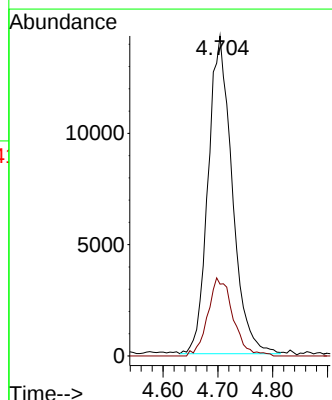
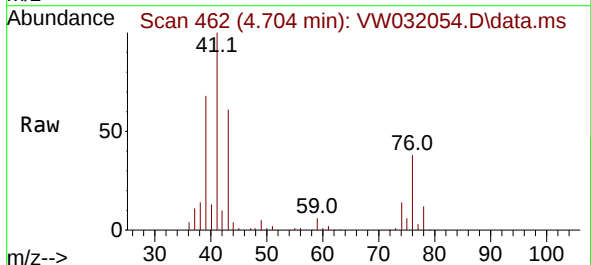
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ClientSampleId :
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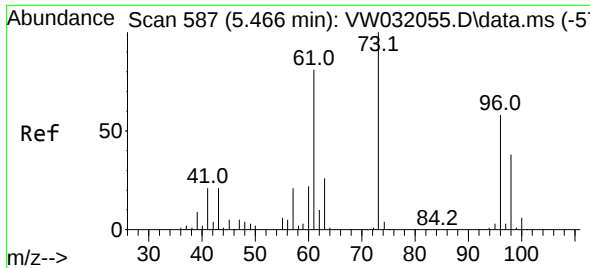
Tgt Ion: 76 Resp: 153247
Ion Ratio Lower Upper
76 100
78 9.2 6.4 9.6



#18
Methyl Acetate
Concen: 18.522 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 43 Resp: 43536
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0

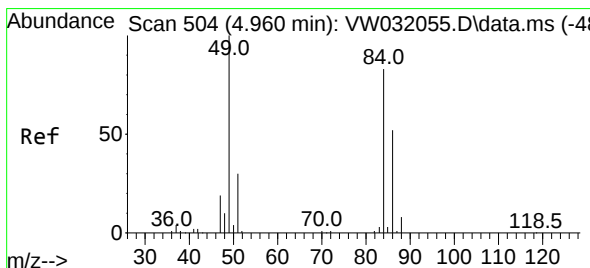
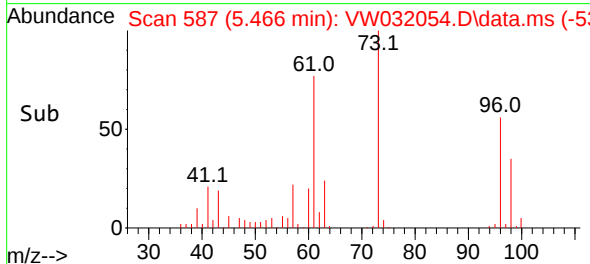
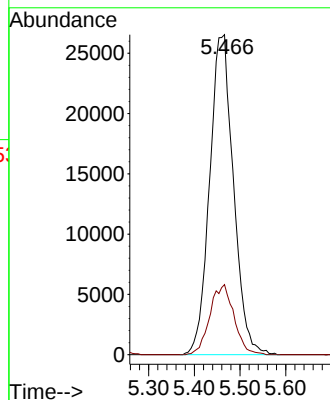
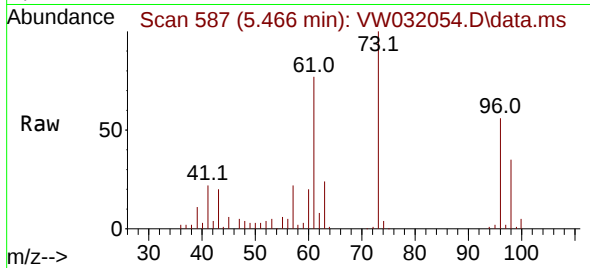




#19
Methyl tert-butyl Ether
Concen: 20.306 ug/l
RT: 5.466 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

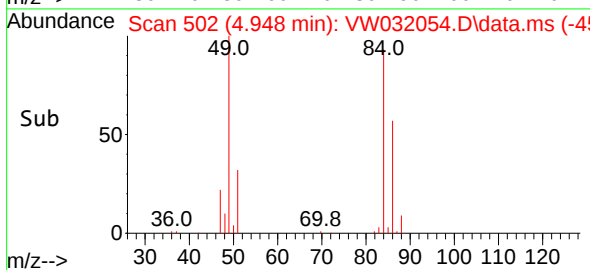
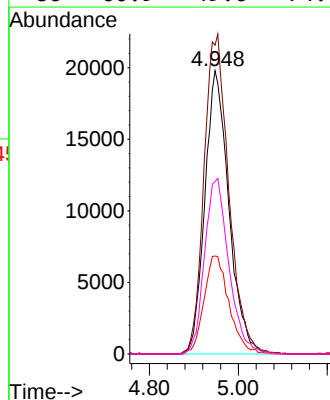
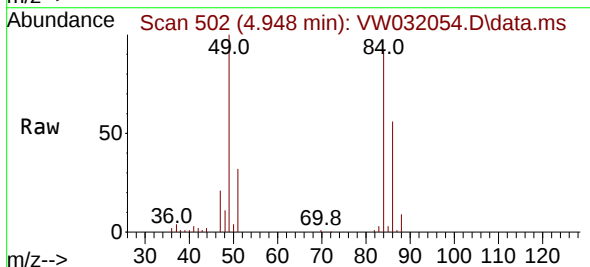
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

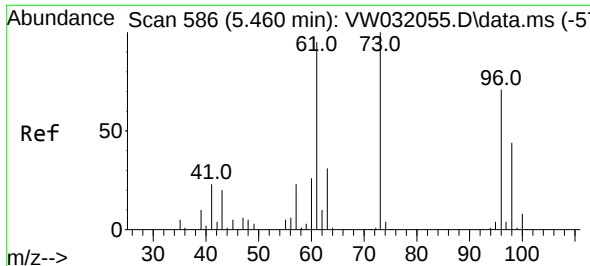
Tgt Ion: 73 Resp: 96253
Ion Ratio Lower Upper
73 100
57 21.9 17.2 25.8



#20
Methylene Chloride
Concen: 21.706 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 84 Resp: 74547
Ion Ratio Lower Upper
84 100
49 109.1 95.9 143.9
51 34.6 28.6 43.0
86 60.9 49.6 74.4

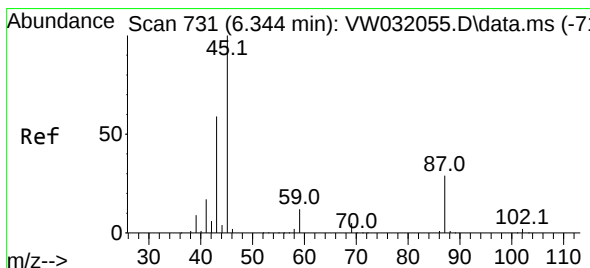
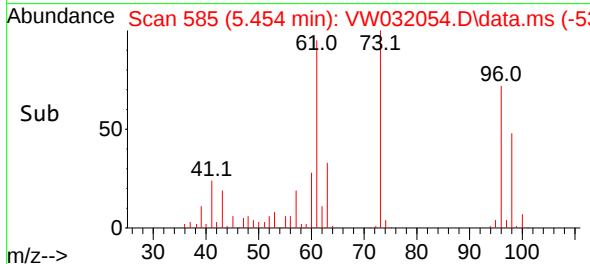
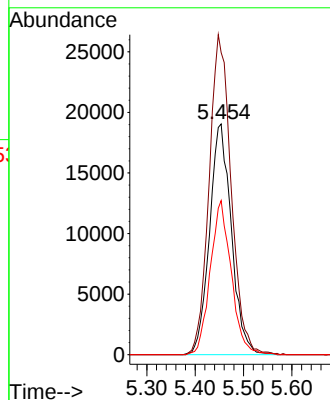
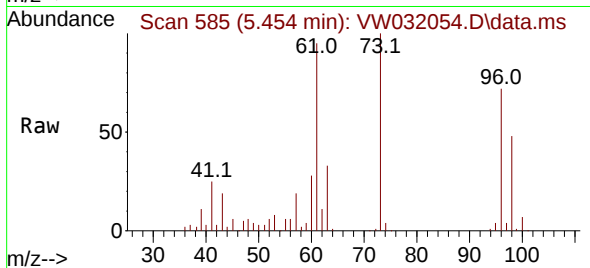




#21
trans-1,2-Dichloroethene
Concen: 20.917 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

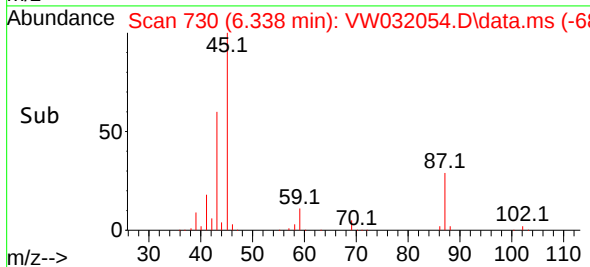
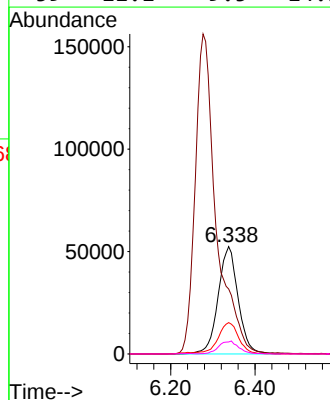
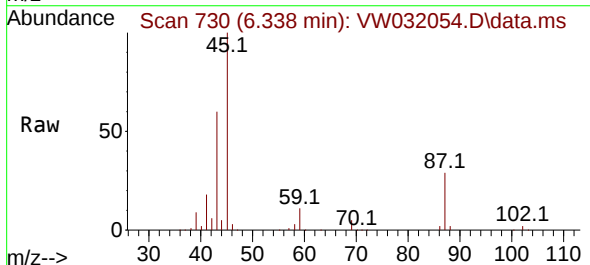
Instrument :
MSVOA_W
ClientSampleId :
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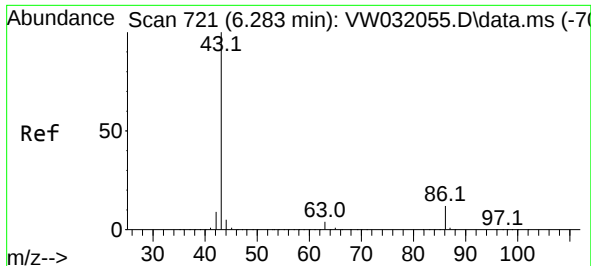
Tgt Ion: 96 Resp: 59717
Ion Ratio Lower Upper
96 100
61 131.0 106.8 160.2
98 66.8 49.6 74.4



#22
Diisopropyl ether
Concen: 20.846 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 45 Resp: 172071
Ion Ratio Lower Upper
45 100
43 59.6 47.0 70.4
87 29.2 23.8 35.8
59 11.1 9.5 14.3

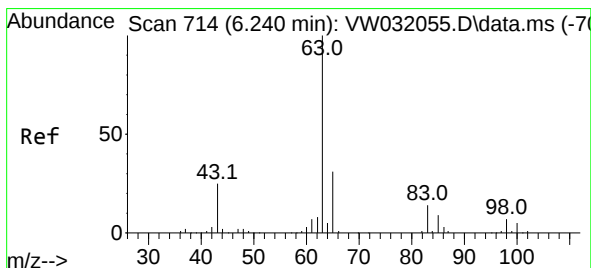
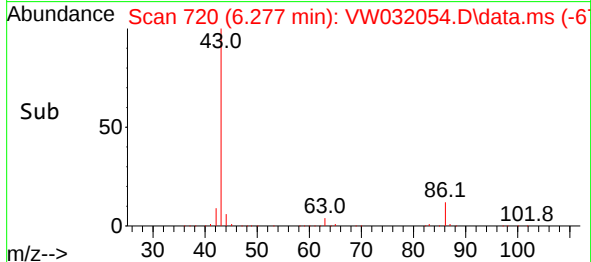
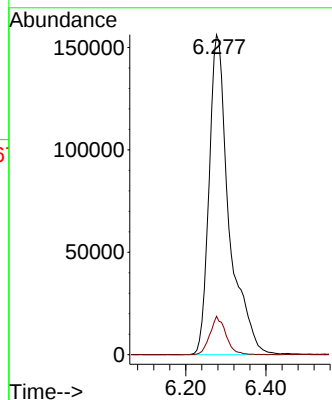
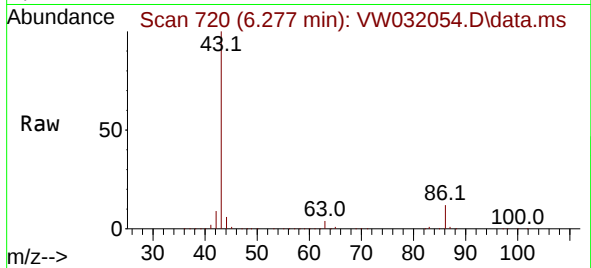




#23
 Vinyl Acetate
 Concen: 99.617 ug/l
 RT: 6.277 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

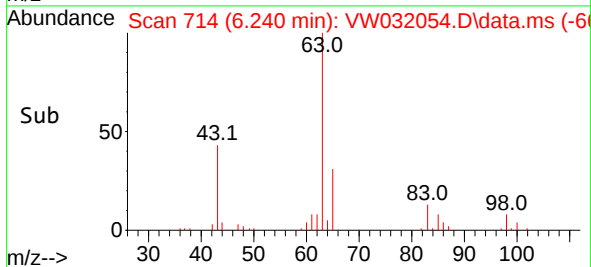
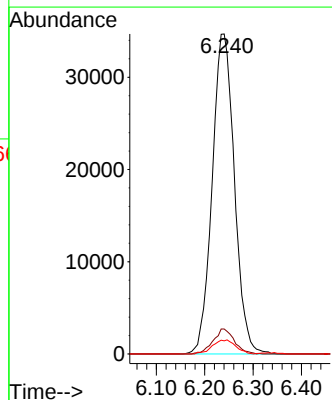
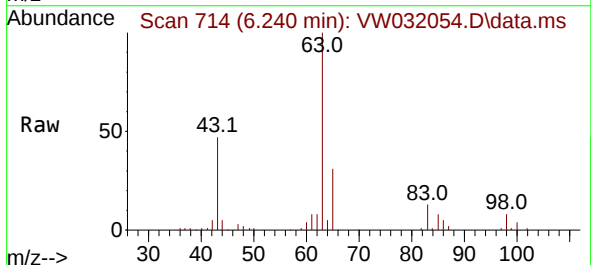
Instrument :
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 ClientSampleId :
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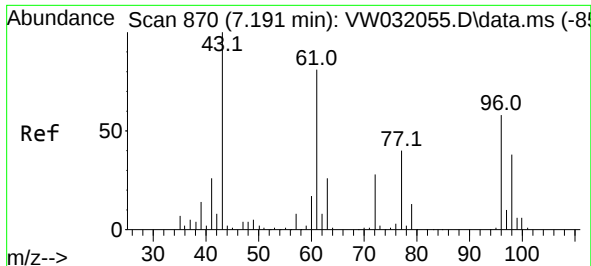
Tgt Ion: 43 Resp: 539862
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 21.016 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Tgt Ion: 63 Resp: 110835
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.7 11.1
 100 4.1 2.5 7.4

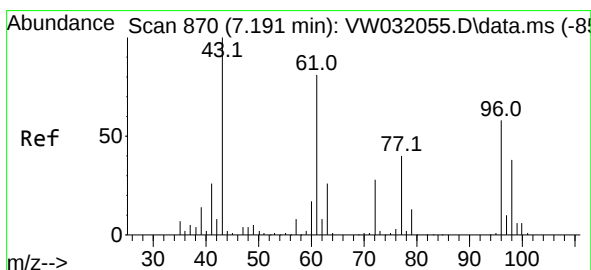
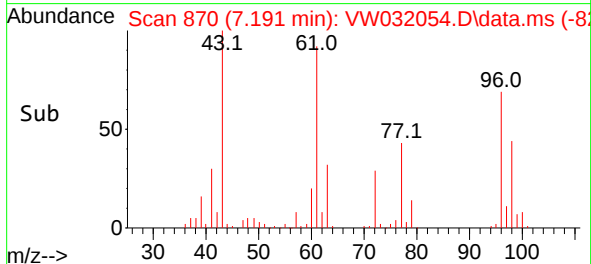
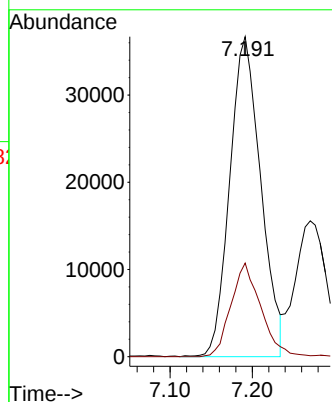
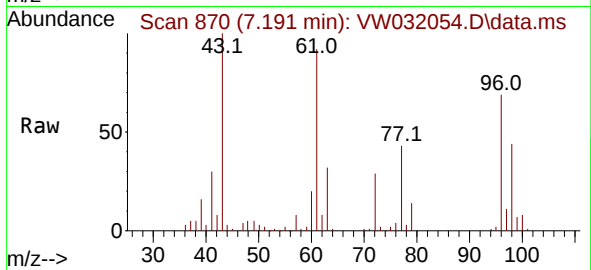




#25
2-Butanone
Concen: 91.114 ug/l
RT: 7.191 min Scan# 81
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

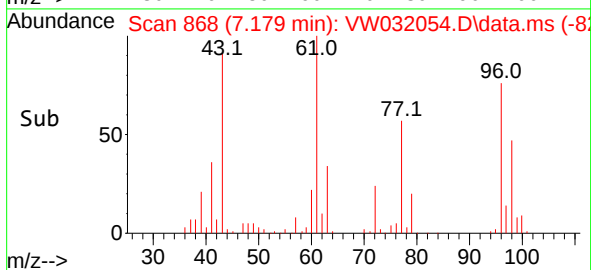
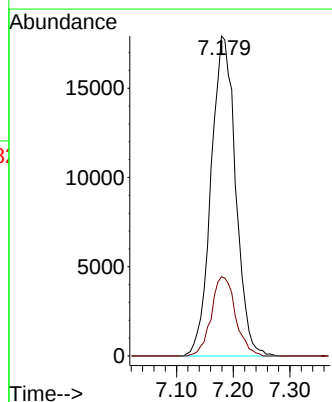
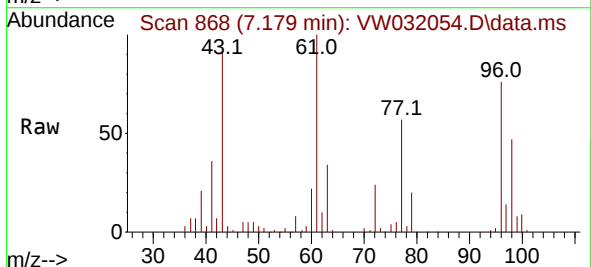
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

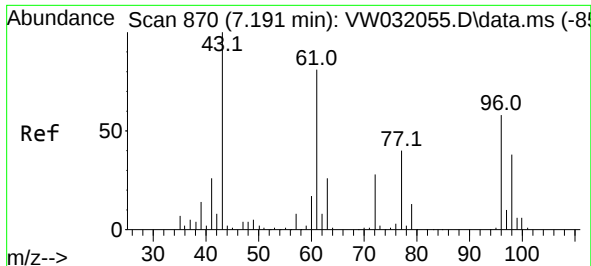
Tgt Ion: 43 Resp: 96191
Ion Ratio Lower Upper
43 100
72 29.2 22.3 33.5



#26
2,2-Dichloropropane
Concen: 20.327 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 77 Resp: 53780
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.540 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

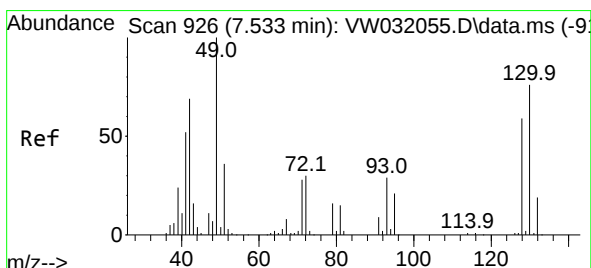
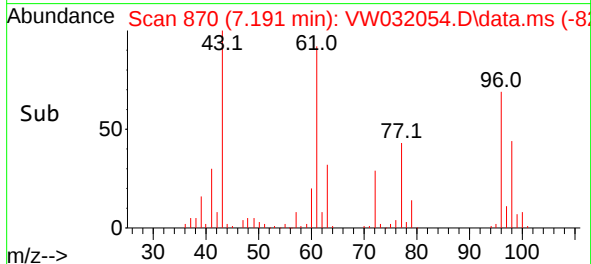
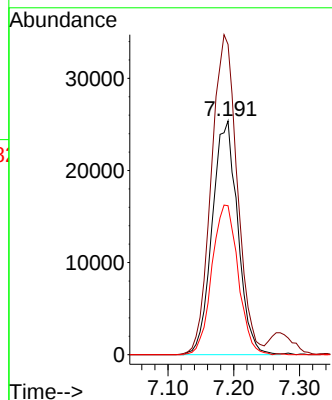
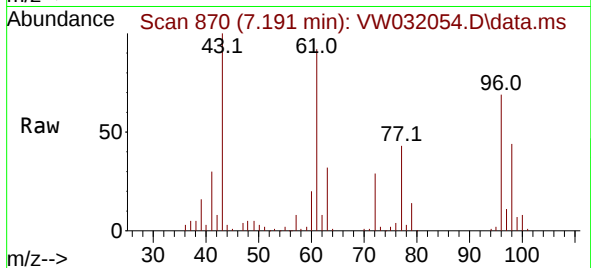
Tgt Ion: 96 Resp: 68545

Ion Ratio Lower Upper

96 100

61 139.8 0.0 281.2

98 65.7 0.0 130.8



#28

Bromochloromethane

Concen: 20.298 ug/l

RT: 7.527 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

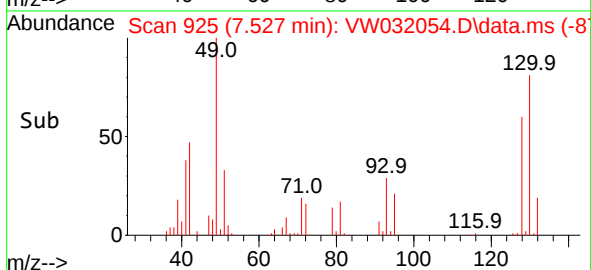
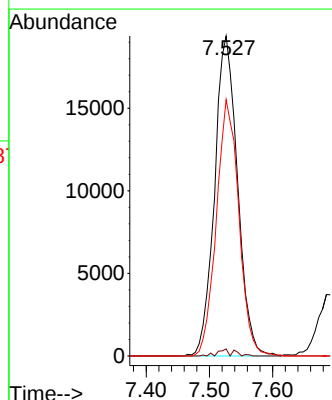
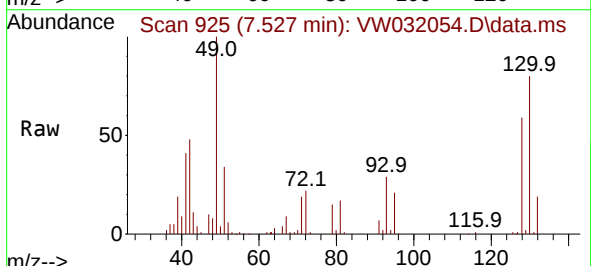
Tgt Ion: 49 Resp: 48715

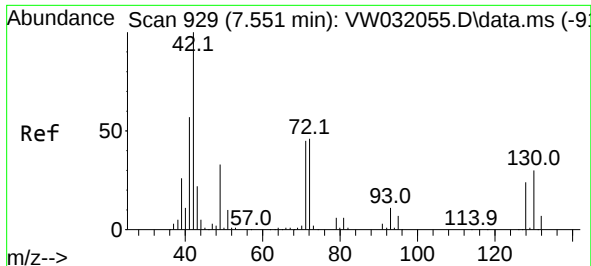
Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.2

130 78.4 61.9 92.9

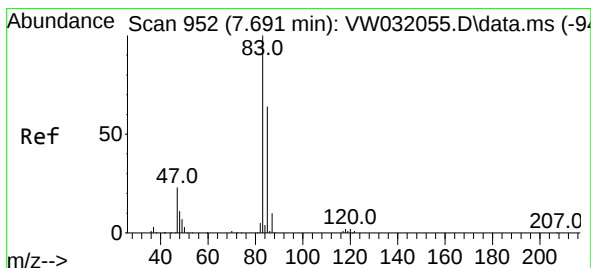
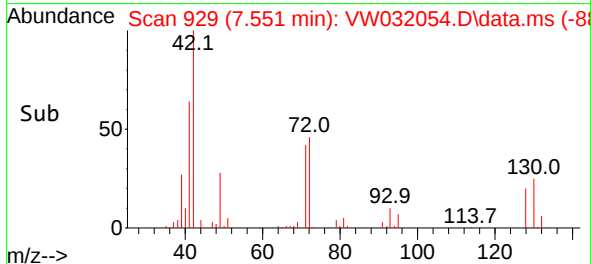
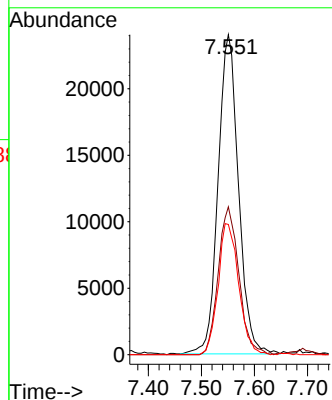
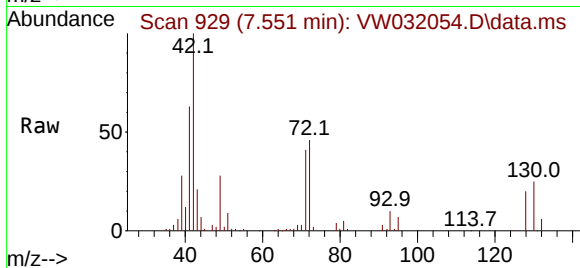




#29
Tetrahydrofuran
Concen: 92.379 ug/l
RT: 7.551 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

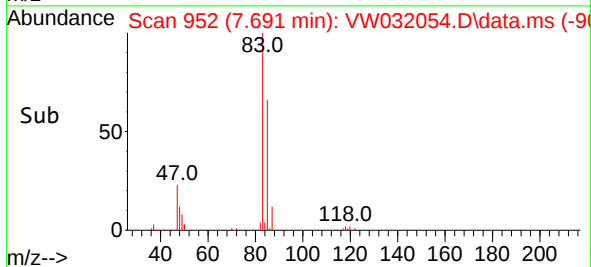
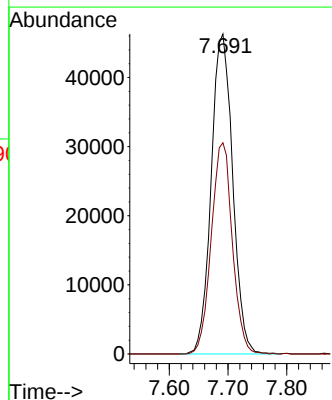
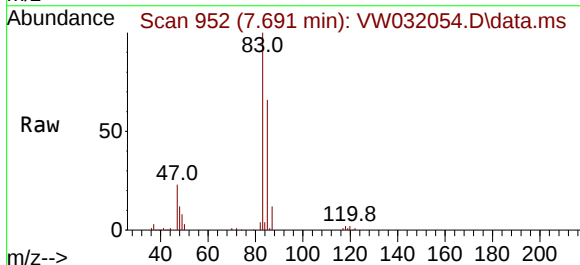
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

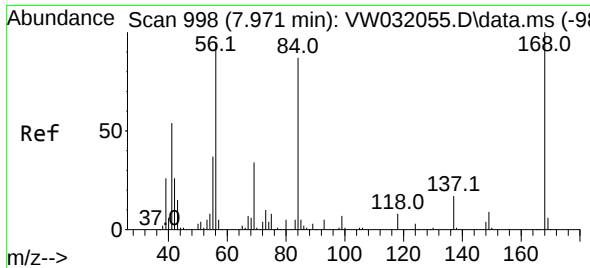
Tgt Ion: 42 Resp: 64317
Ion Ratio Lower Upper
42 100
72 46.7 36.6 55.0
71 41.5 34.7 52.1



#30
Chloroform
Concen: 21.011 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 83 Resp: 117474
Ion Ratio Lower Upper
83 100
85 66.0 51.0 76.4

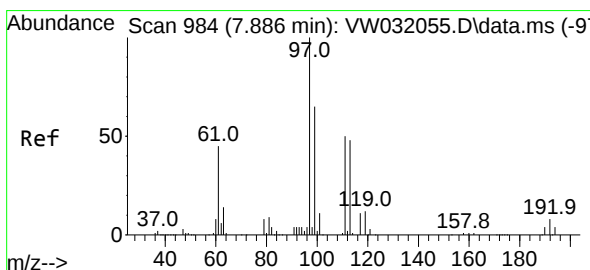
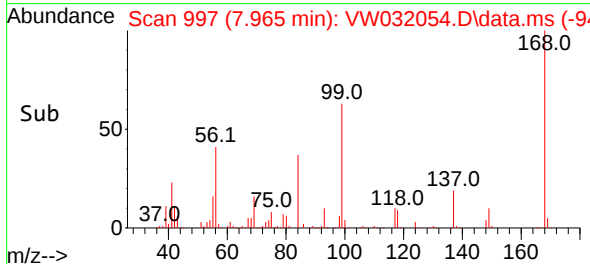
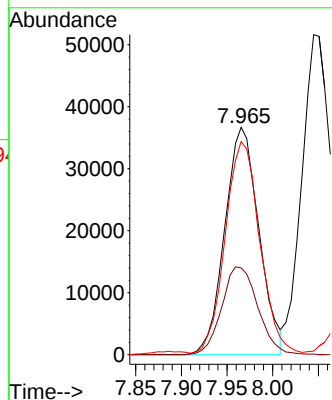
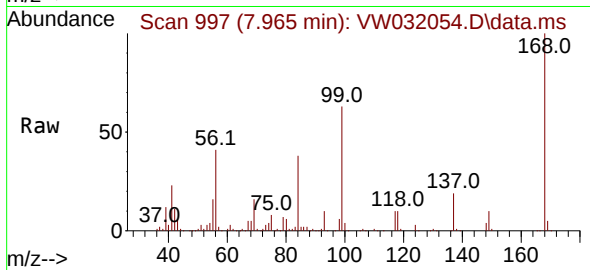




#31
Cyclohexane
Concen: 20.833 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

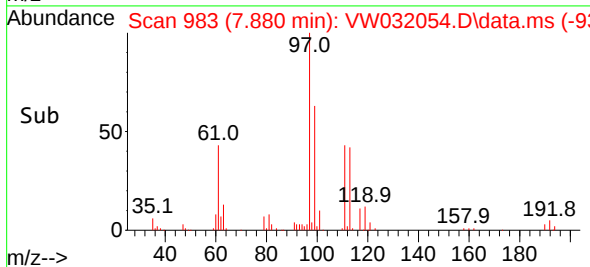
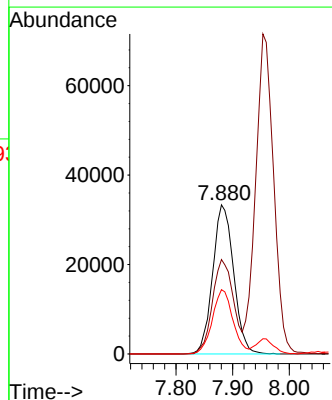
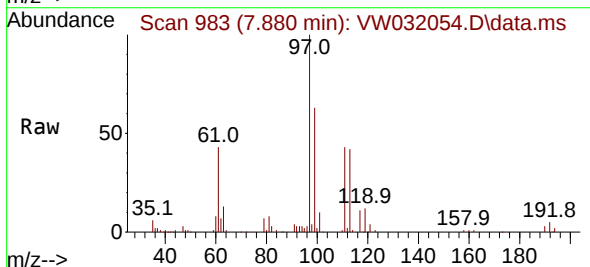
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

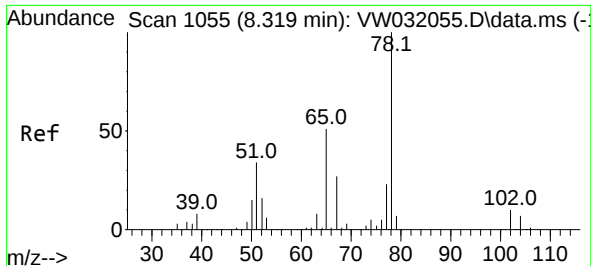
Tgt Ion: 56 Resp: 95253
Ion Ratio Lower Upper
56 100
69 38.2 28.6 42.8
84 92.4 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 21.078 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 97 Resp: 85600
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.8
61 42.4 35.9 53.9

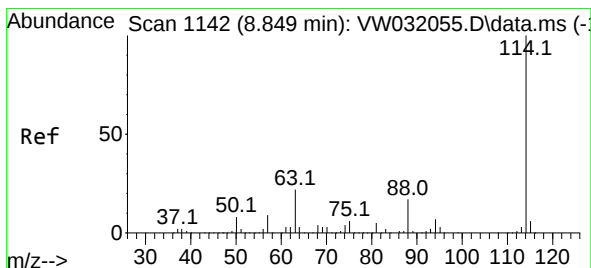
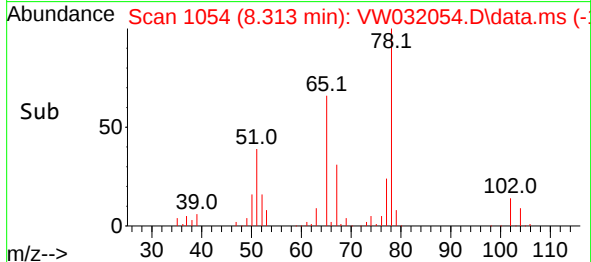
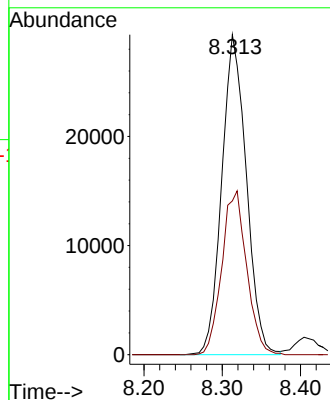
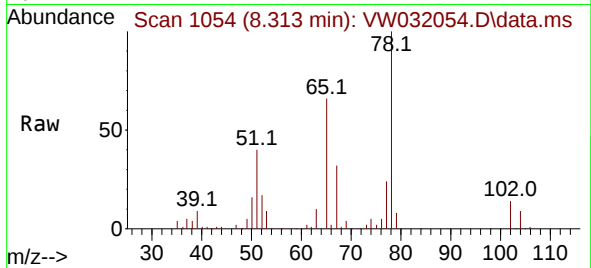




#33
 1,2-Dichloroethane-d4
 Concen: 19.904 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

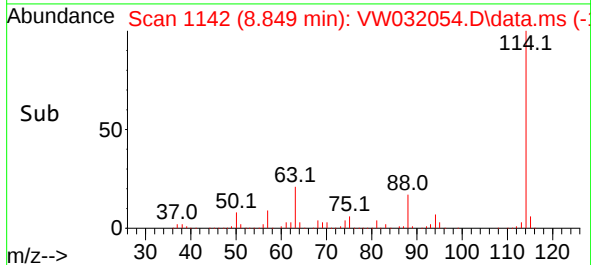
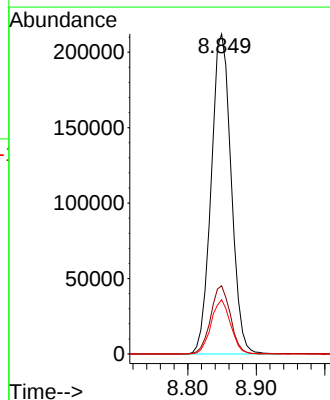
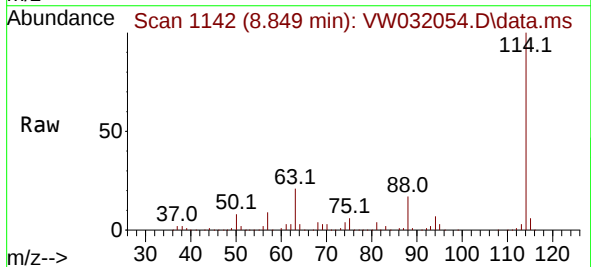
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

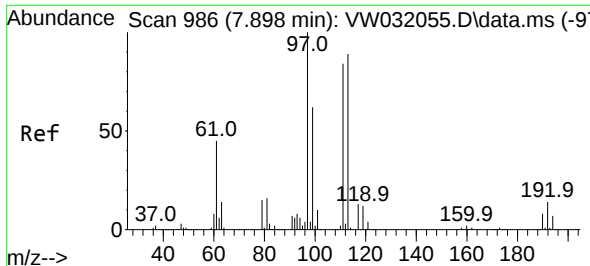
Tgt Ion: 65 Resp: 63857
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Tgt Ion: 114 Resp: 428395
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.0
 88 16.9 0.0 33.8

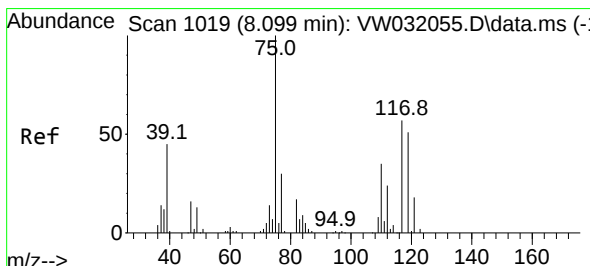
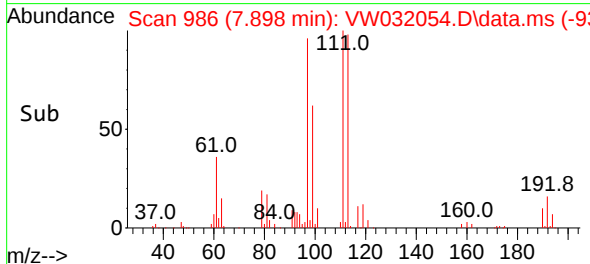
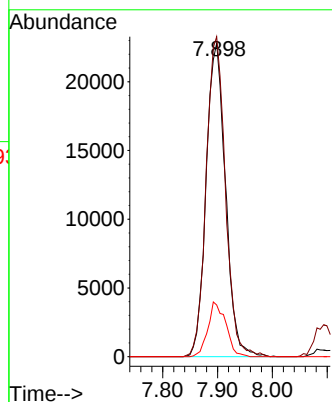
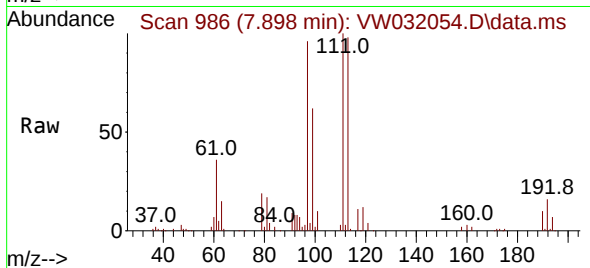




#35
 Dibromofluoromethane
 Concen: 20.158 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

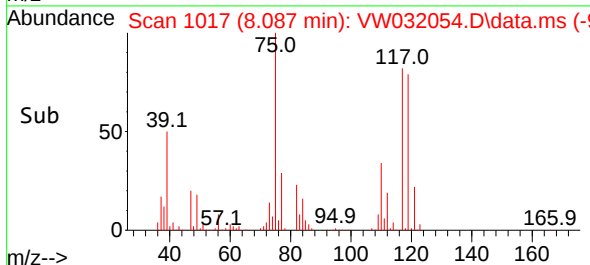
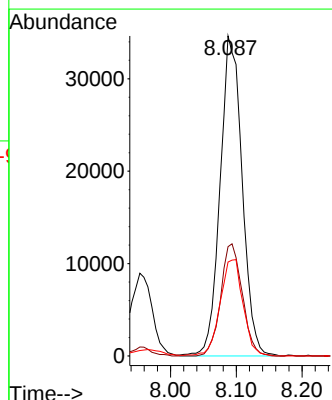
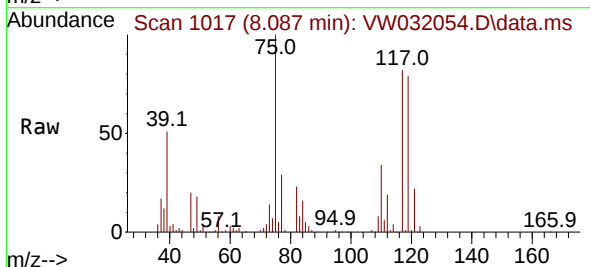
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

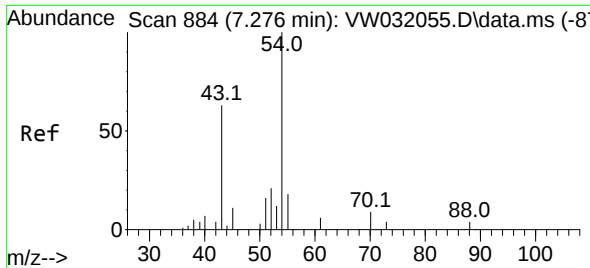
Tgt Ion:113 Resp: 55788
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.1 120.1
 192 16.3 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 20.712 ug/l
 RT: 8.087 min Scan# 1017
 Delta R.T. -0.012 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Tgt Ion: 75 Resp: 80811
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.4 52.2
 77 31.4 24.7 37.1

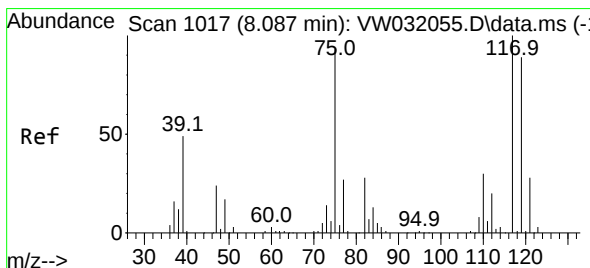
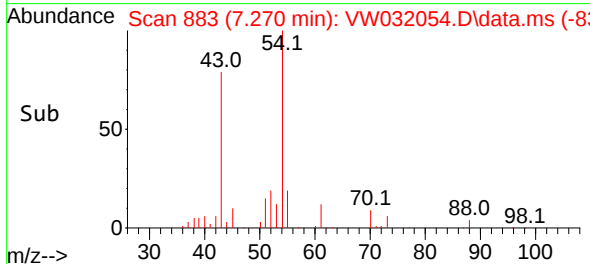
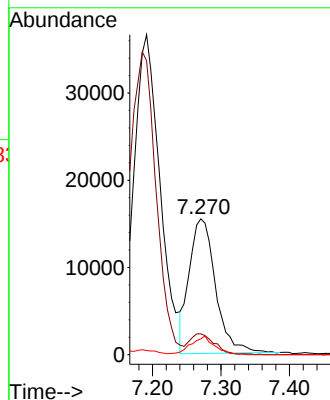
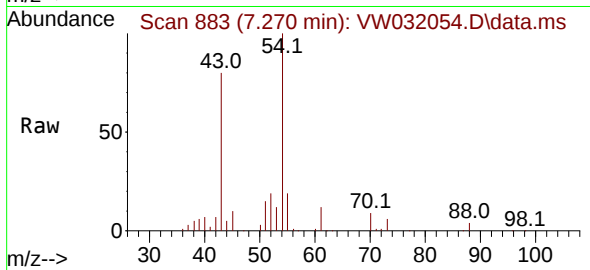




#37
Ethyl Acetate
Concen: 17.945 ug/l
RT: 7.270 min Scan# 884
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

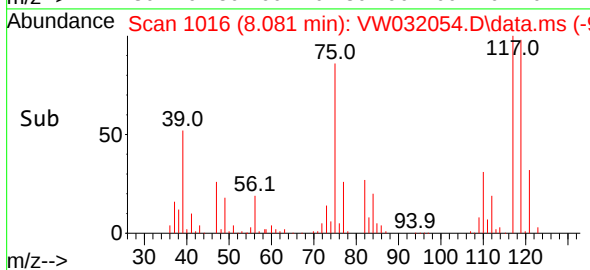
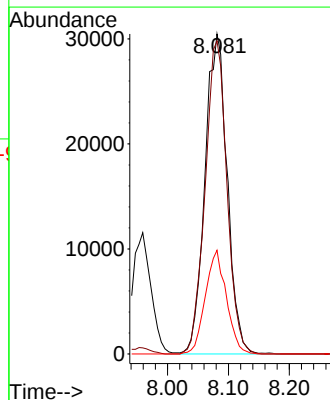
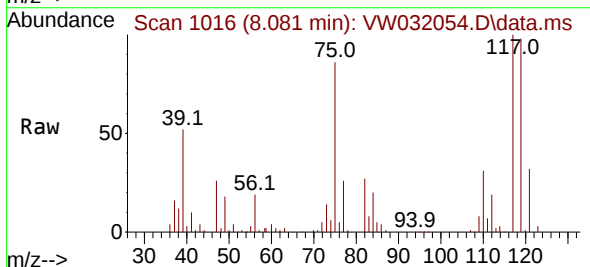
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

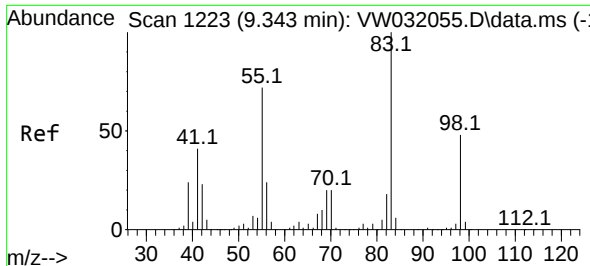
Tgt Ion: 43 Resp: 41235
Ion Ratio Lower Upper
43 100
61 13.7 11.8 17.6
70 12.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 20.527 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 117 Resp: 77289
Ion Ratio Lower Upper
117 100
119 97.8 71.4 107.2
121 32.4 22.3 33.5

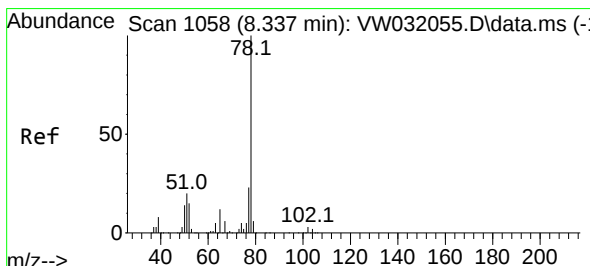
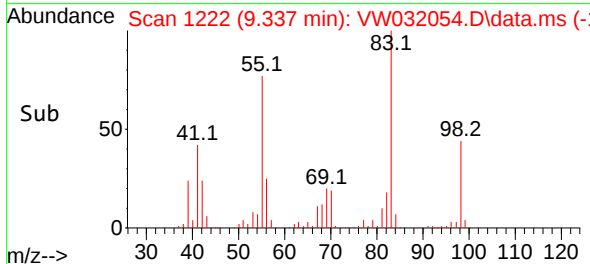
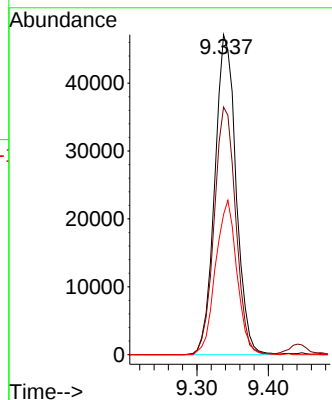
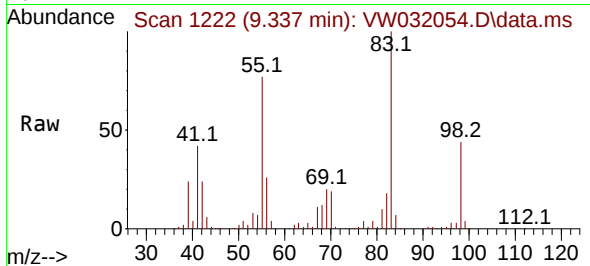




#39
Methylcyclohexane
Concen: 20.484 ug/l
RT: 9.337 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

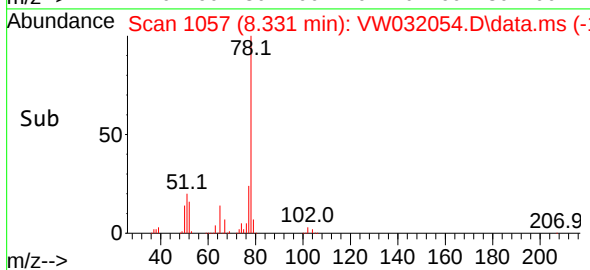
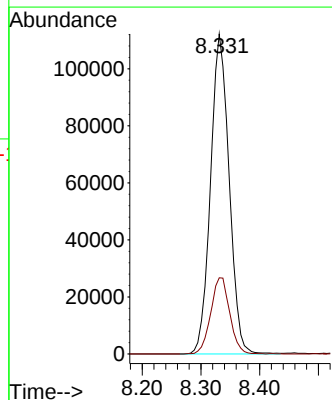
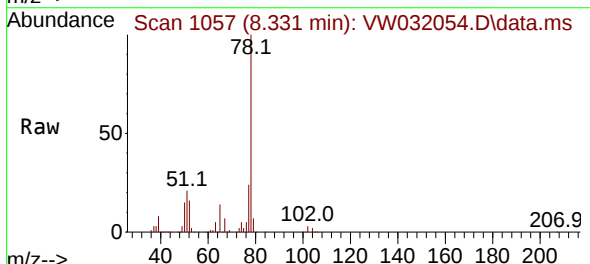
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MSVOA_W
ClientSampleId :
VSTDIC020

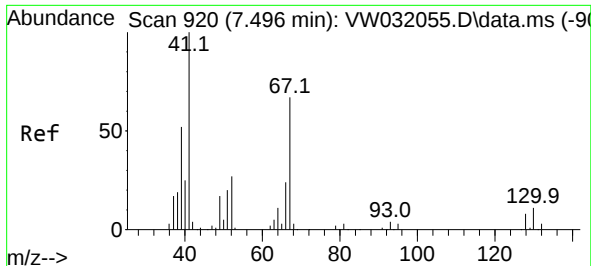
Tgt Ion: 83 Resp: 97412
Ion Ratio Lower Upper
83 100
55 77.4 57.9 86.9
98 43.8 38.3 57.5



#40
Benzene
Concen: 20.333 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 78 Resp: 246590
Ion Ratio Lower Upper
78 100
77 23.8 18.4 27.6

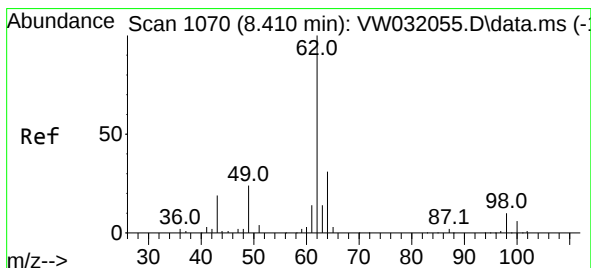
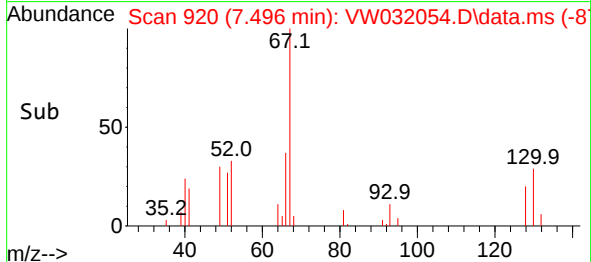
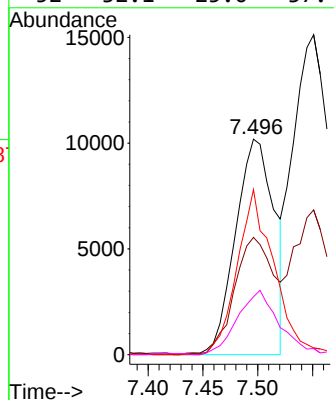
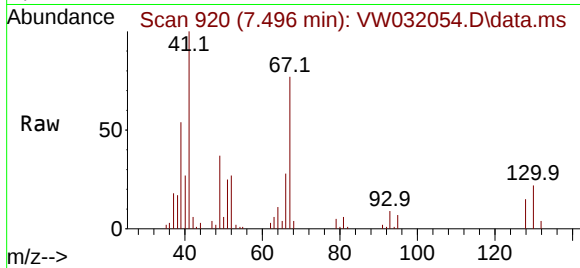




#41
Methacrylonitrile
Concen: 19.242 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

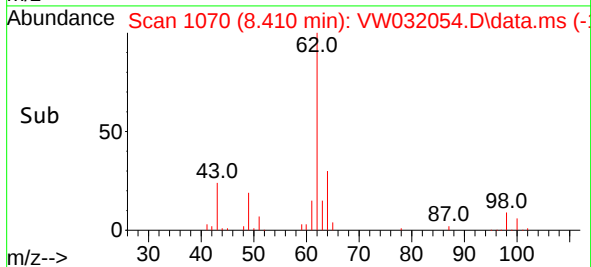
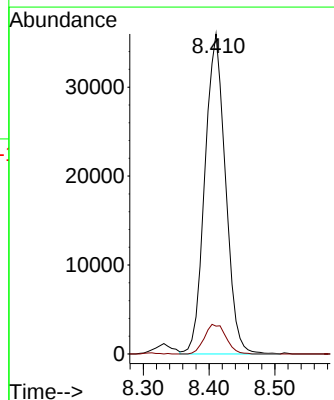
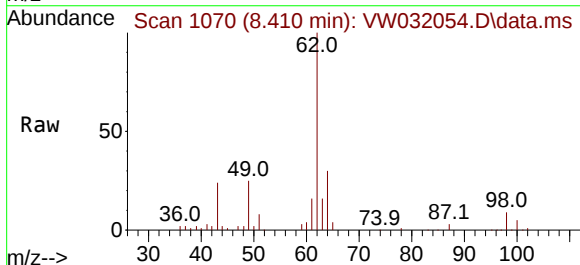
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

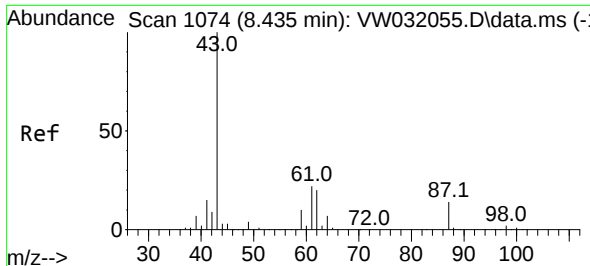
Tgt Ion:	41	Resp:	25075
Ion	Ratio	Lower	Upper
41	100		
39	55.4	42.6	63.8
67	73.2	61.0	91.4
52	32.1	25.0	37.4



#42
1,2-Dichloroethane
Concen: 20.239 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:	62	Resp:	78543
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8

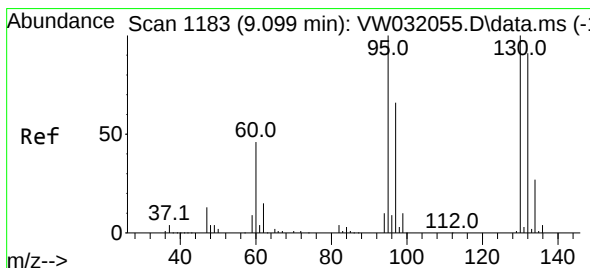
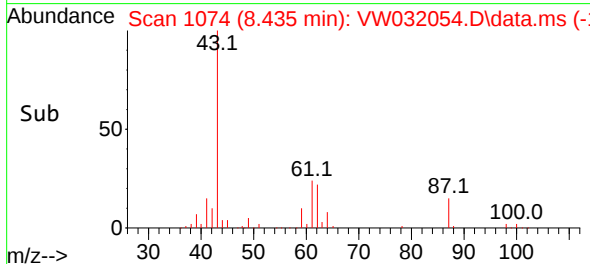
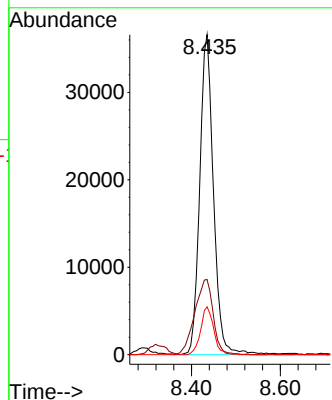
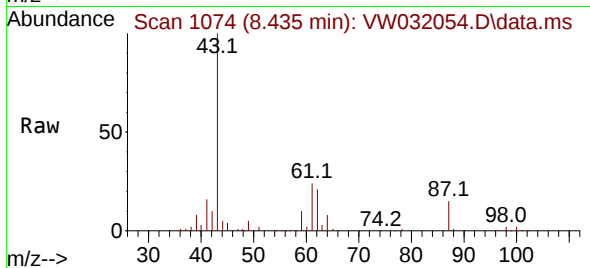




#43
Isopropyl Acetate
Concen: 18.660 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

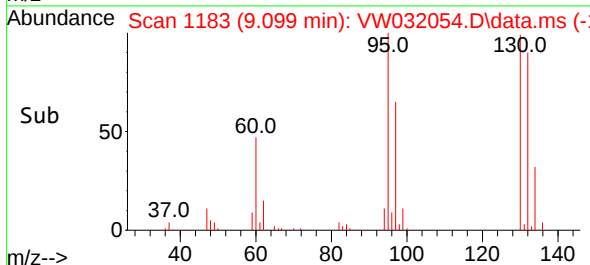
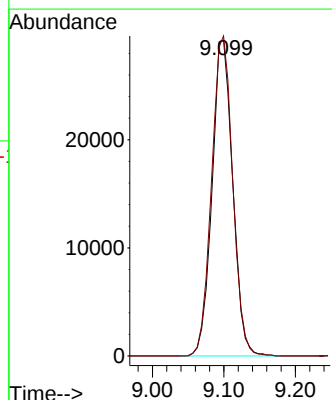
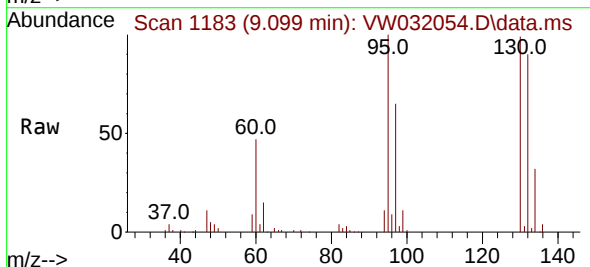
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

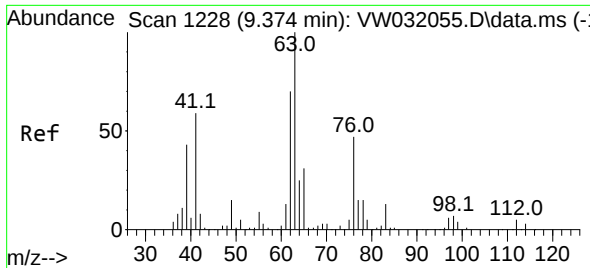
Tgt Ion: 43 Resp: 78887
Ion Ratio Lower Upper
43 100
61 31.3 23.8 35.8
87 14.1 11.7 17.5



#44
Trichloroethene
Concen: 20.302 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 130 Resp: 58636
Ion Ratio Lower Upper
130 100
95 101.3 0.0 200.6

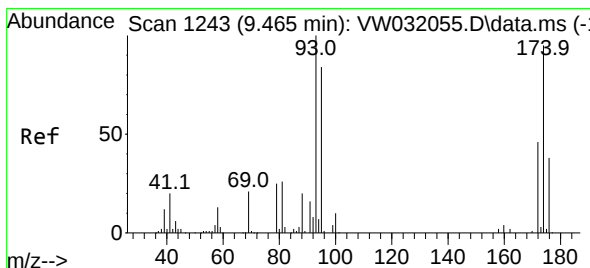
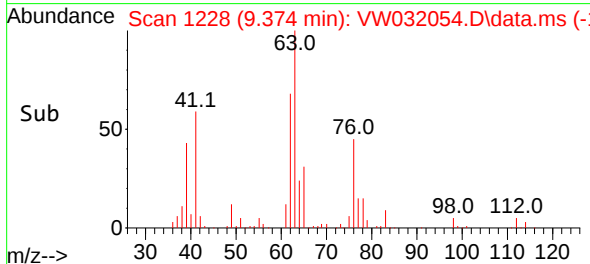
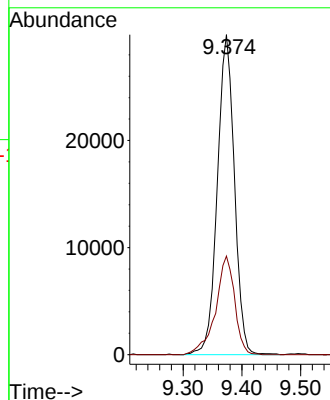
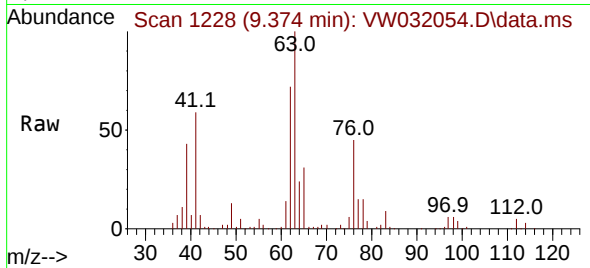




#45
1,2-Dichloropropane
Concen: 20.597 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

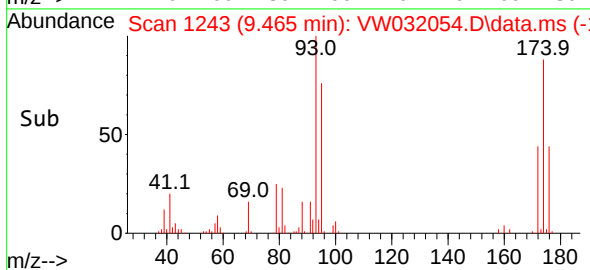
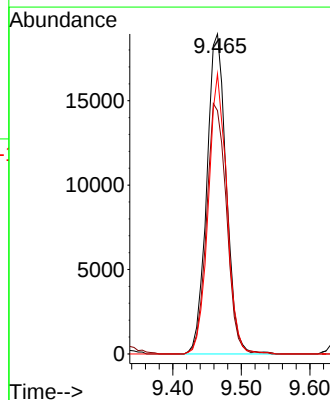
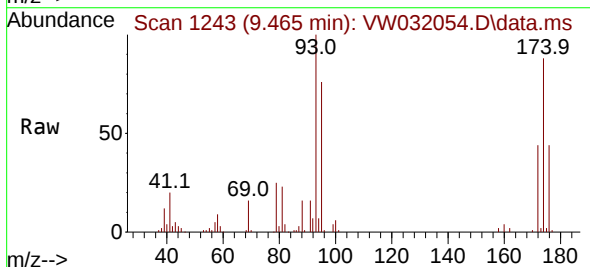
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MSVOA_W
ClientSampleId :
VSTDIC020

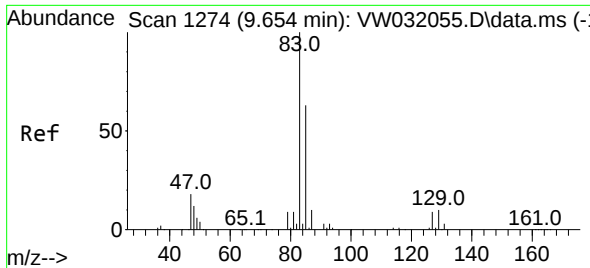
Tgt Ion: 63 Resp: 60346
Ion Ratio Lower Upper
63 100
65 30.8 24.6 36.8



#46
Dibromomethane
Concen: 19.873 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 93 Resp: 37580
Ion Ratio Lower Upper
93 100
95 80.1 65.3 97.9
174 83.3 68.6 102.8



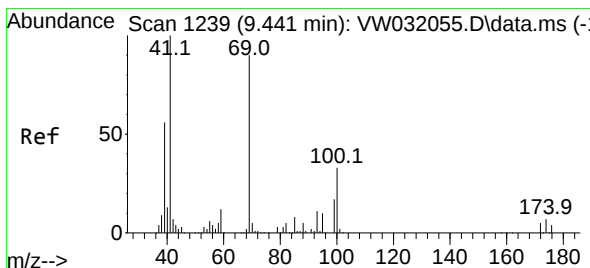
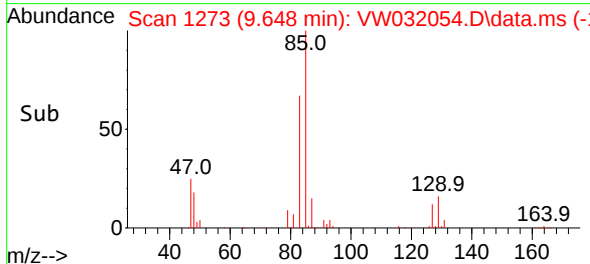
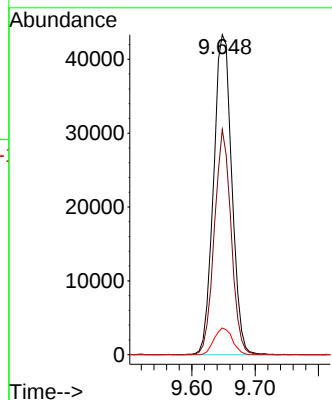
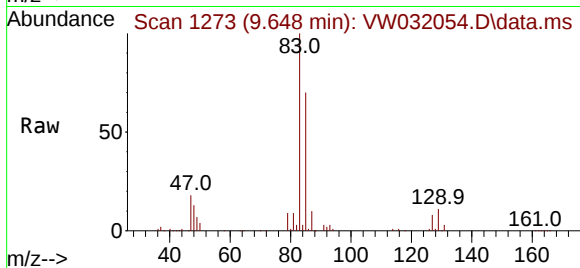


#47
 Bromodichloromethane
 Concen: 19.869 ug/l
 RT: 9.648 min Scan# 1273
 Delta R.T. -0.006 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 83 Resp: 86577

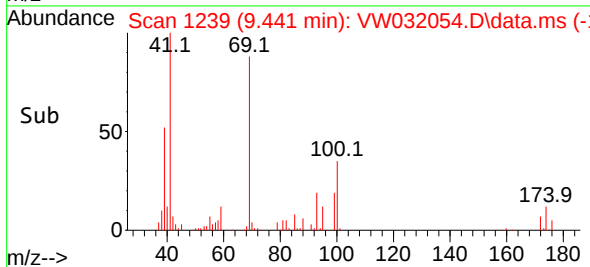
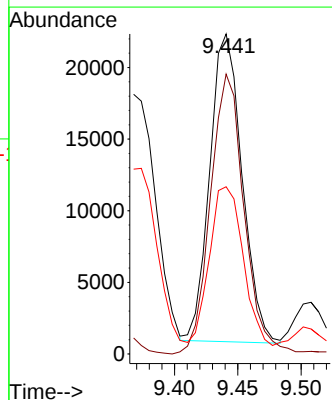
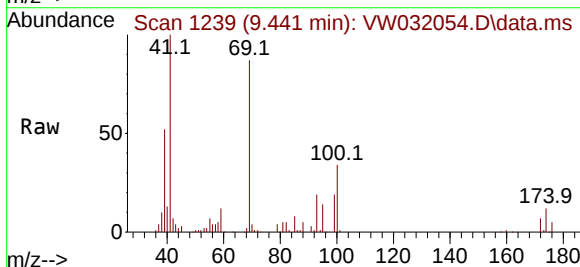
Ion	Ratio	Lower	Upper
83	100		
85	70.4	50.6	75.8
127	8.3	6.9	10.3

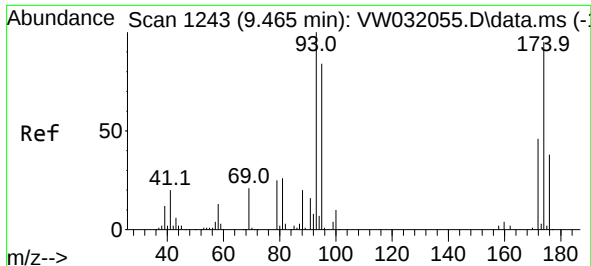


#48
 Methyl methacrylate
 Concen: 18.704 ug/l
 RT: 9.441 min Scan# 1239
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Tgt Ion: 41 Resp: 38175

Ion	Ratio	Lower	Upper
41	100		
69	94.6	73.0	109.6
39	53.7	45.0	67.4





#49

1,4-Dioxane

Concen: 364.998 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

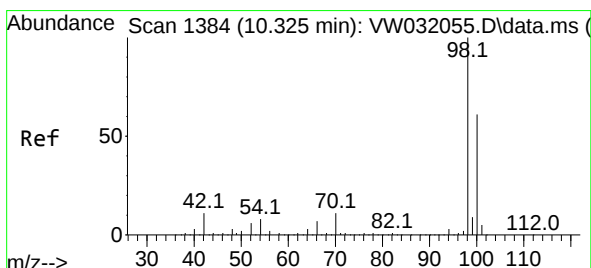
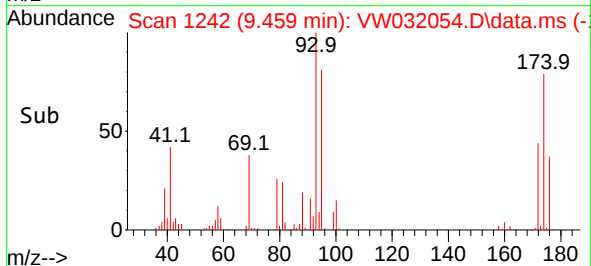
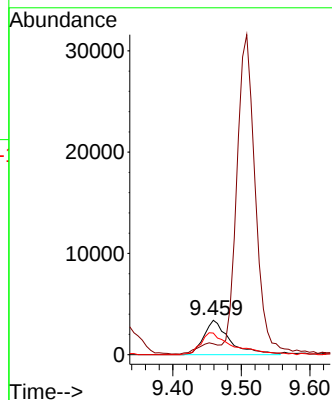
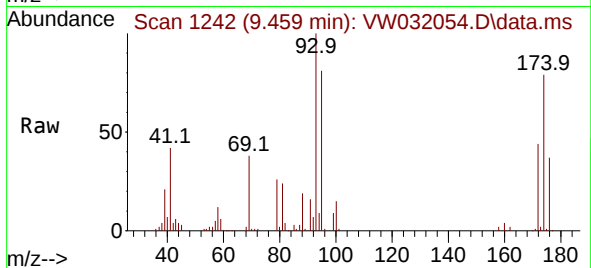
Tgt Ion: 88 Resp: 8924

Ion Ratio Lower Upper

88 100

43 24.7 20.6 30.8

58 78.5 60.4 90.6



#50

Toluene-d8

Concen: 20.212 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032054.D

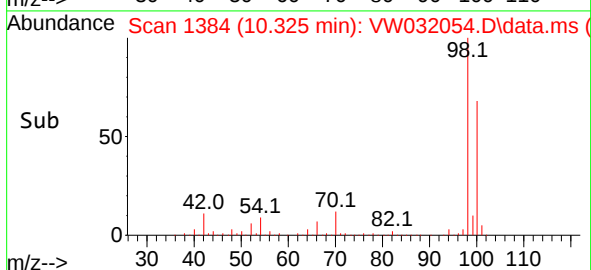
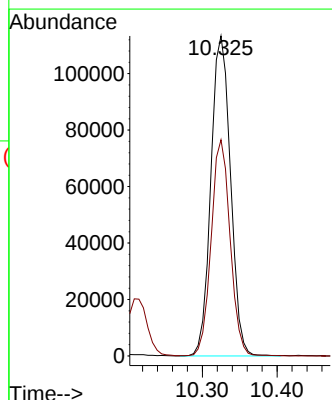
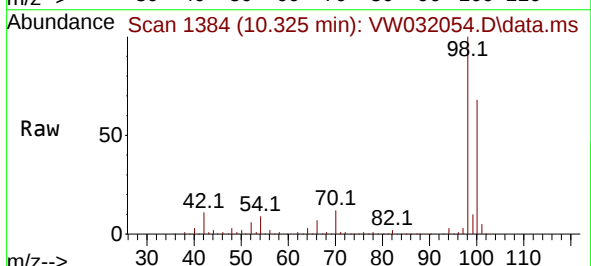
Acq: 11 Aug 2025 09:47

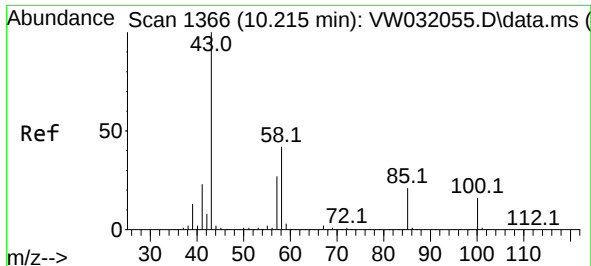
Tgt Ion: 98 Resp: 206901

Ion Ratio Lower Upper

98 100

100 65.5 51.1 76.7

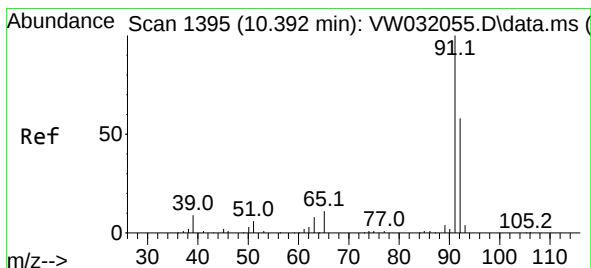
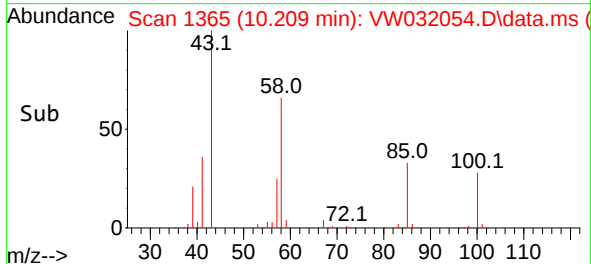
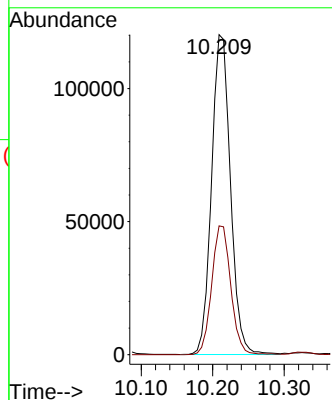
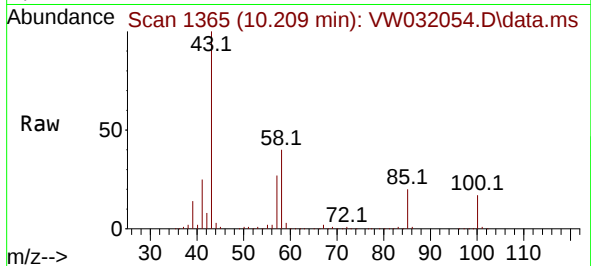




#51
4-Methyl-2-Pentanone
Concen: 92.472 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

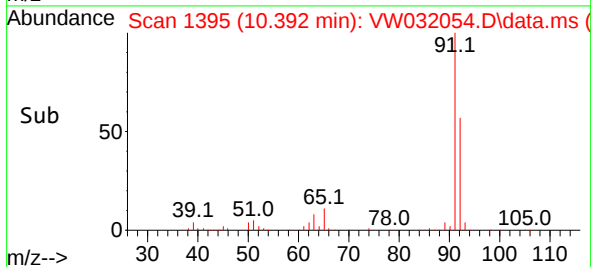
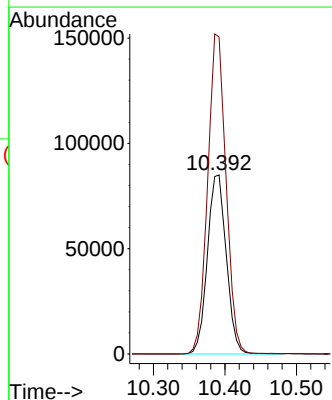
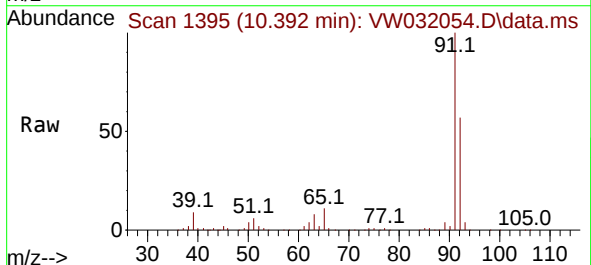
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

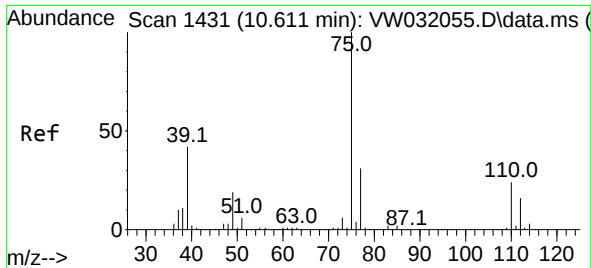
Tgt Ion: 43 Resp: 220661
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7



#52
Toluene
Concen: 20.418 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 92 Resp: 155974
Ion Ratio Lower Upper
92 100
91 173.6 136.3 204.5

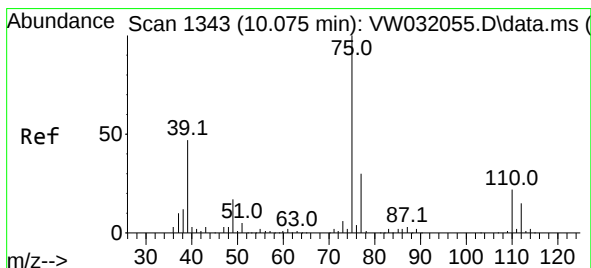
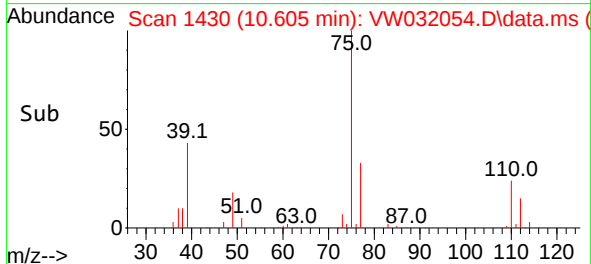
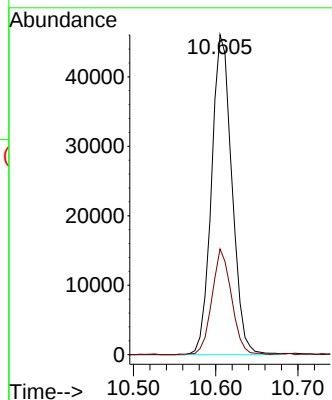
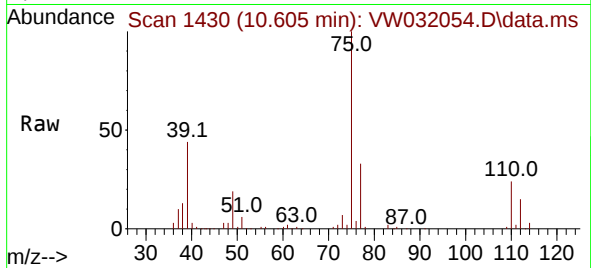




#53
 t-1,3-Dichloropropene
 Concen: 19.463 ug/l
 RT: 10.605 min Scan# 1430
 Delta R.T. -0.006 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

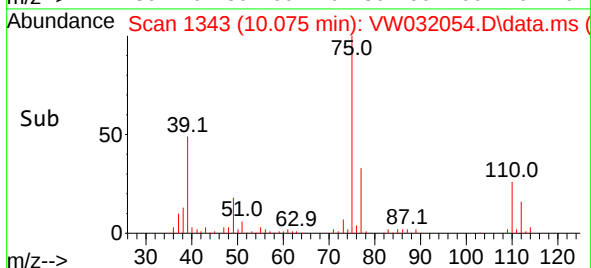
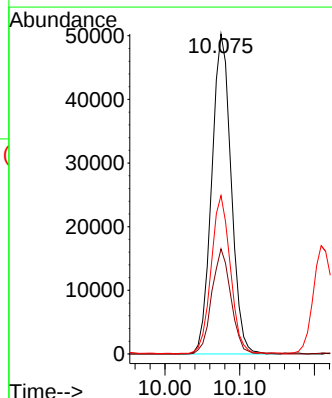
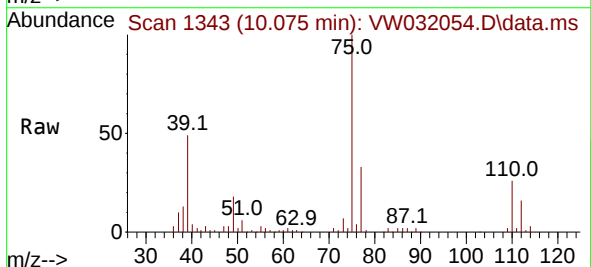
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

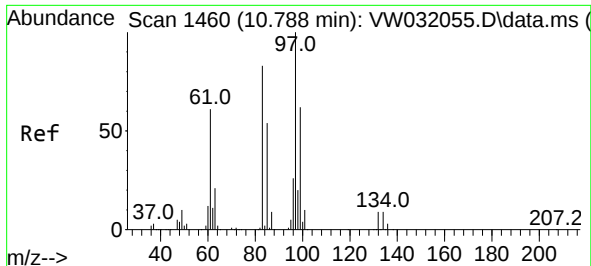
Tgt Ion: 75 Resp: 79452
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 19.612 ug/l
 RT: 10.075 min Scan# 1343
 Delta R.T. 0.000 min
 Lab File: VW032054.D
 Acq: 11 Aug 2025 09:47

Tgt Ion: 75 Resp: 90828
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.0 36.0
 39 49.3 37.8 56.8

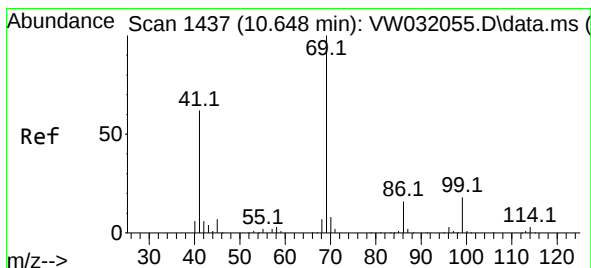
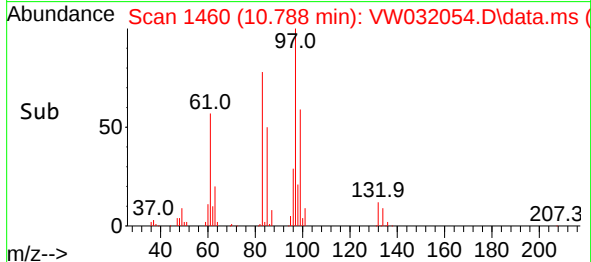
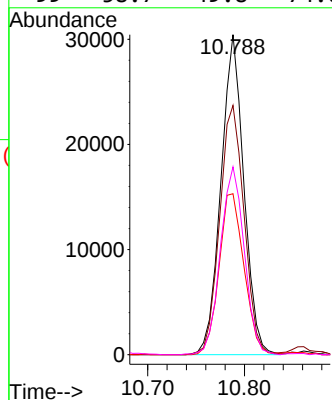
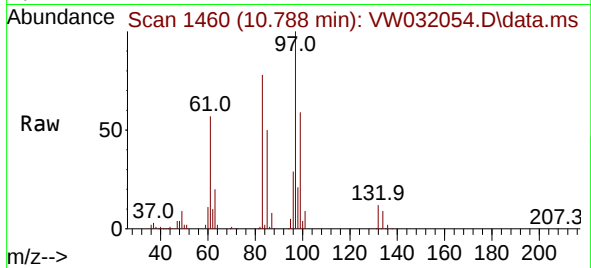




#55
1,1,2-Trichloroethane
Concen: 19.888 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

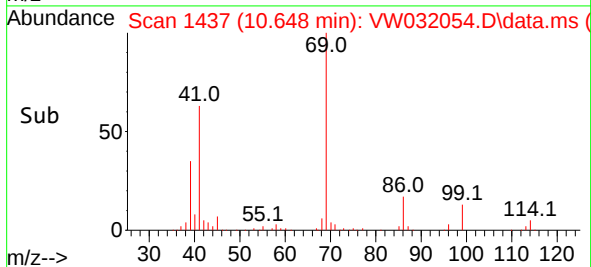
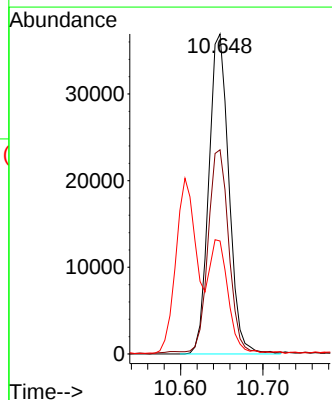
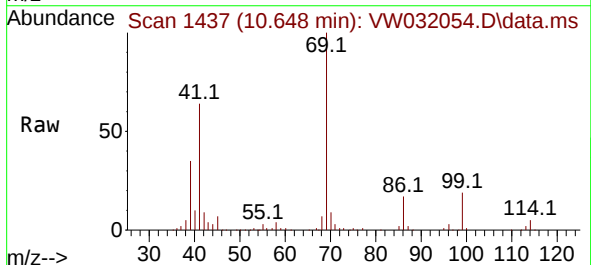
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

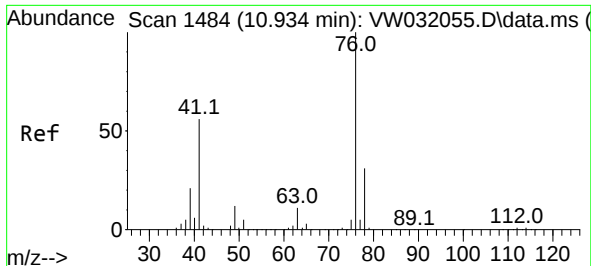
Tgt Ion:	97	Resp:	49974
Ion	Ratio	Lower	Upper
97	100		
83	77.9	66.4	99.6
85	50.3	43.1	64.7
99	58.7	49.8	74.6



#56
Ethyl methacrylate
Concen: 18.645 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:	69	Resp:	62694
Ion	Ratio	Lower	Upper
69	100		
41	67.2	51.2	76.8
39	31.8	25.4	38.0





#57

1,3-Dichloropropane

Concen: 19.790 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

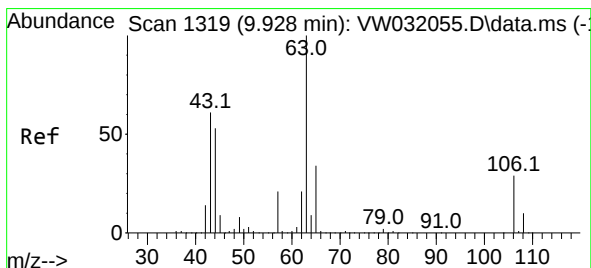
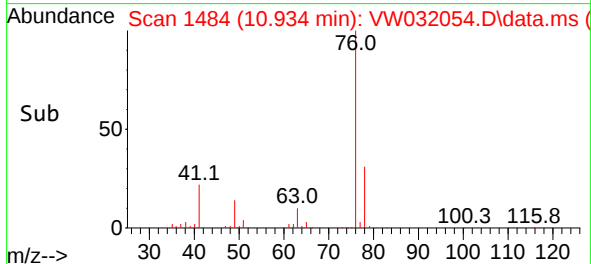
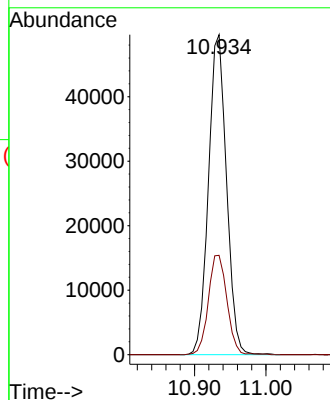
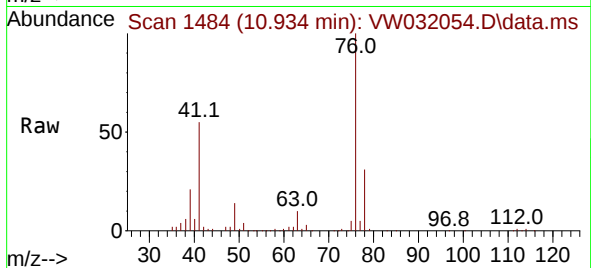
VSTDIC020

Tgt Ion: 76 Resp: 86678

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 94.809 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032054.D

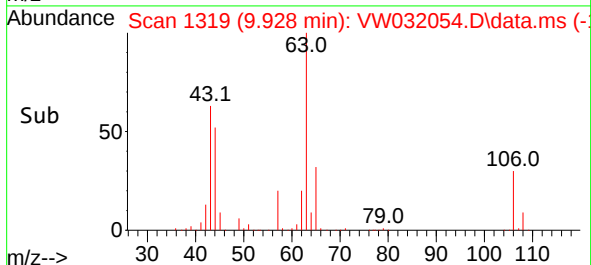
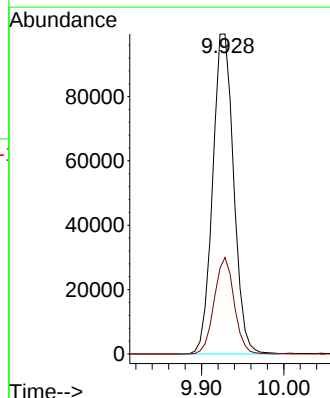
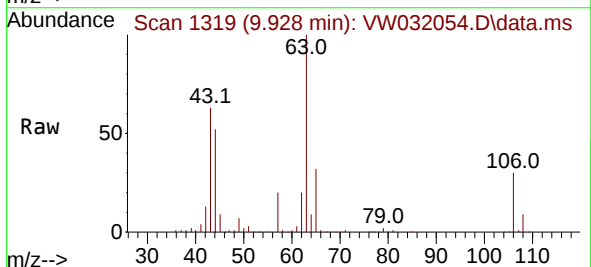
Acq: 11 Aug 2025 09:47

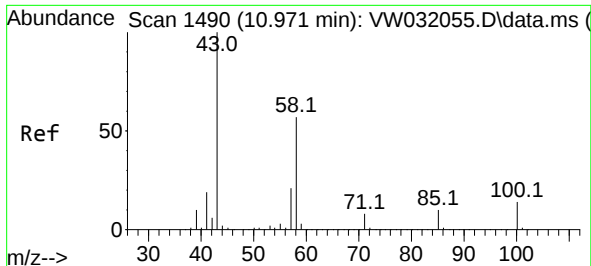
Tgt Ion: 63 Resp: 176339

Ion Ratio Lower Upper

63 100

106 28.5 23.5 35.3

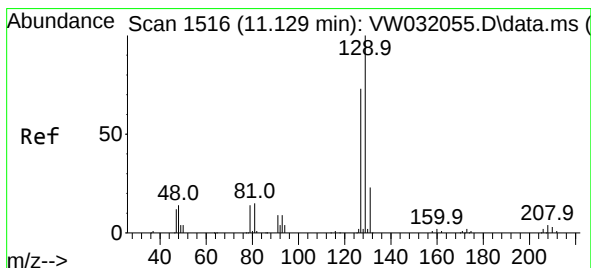
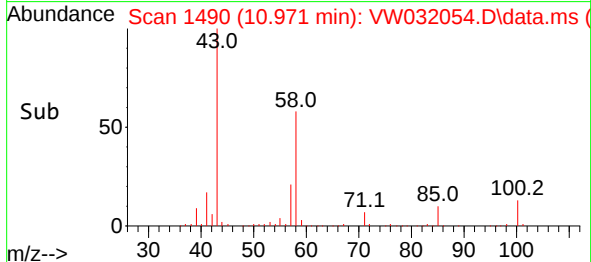
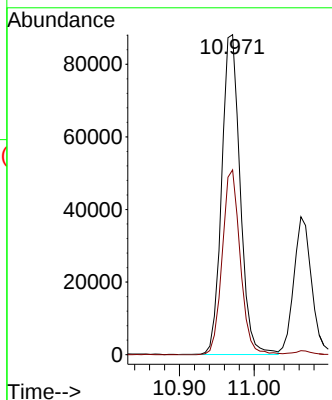
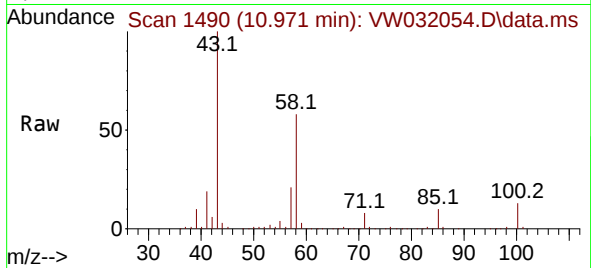




#59
2-Hexanone
Concen: 91.530 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

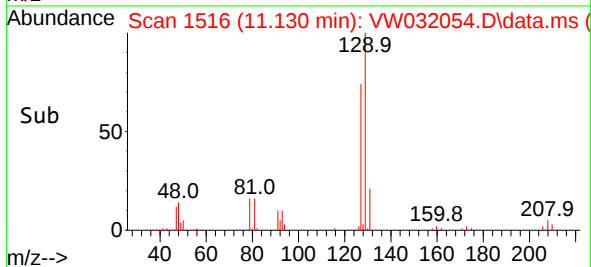
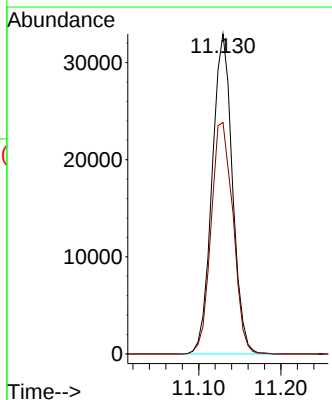
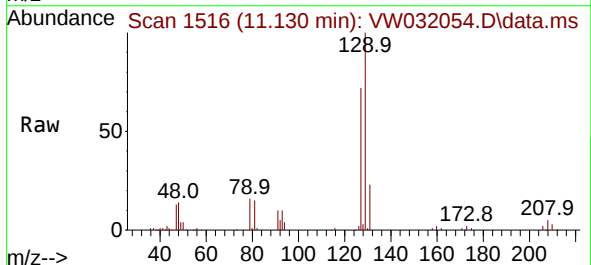
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

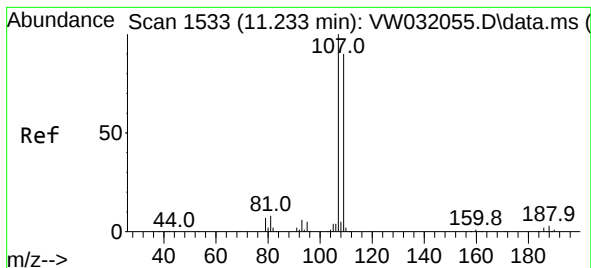
Tgt Ion: 43 Resp: 151264
Ion Ratio Lower Upper
43 100
58 56.4 28.3 85.0



#60
Dibromochloromethane
Concen: 19.721 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 129 Resp: 56607
Ion Ratio Lower Upper
129 100
127 78.0 39.0 116.9

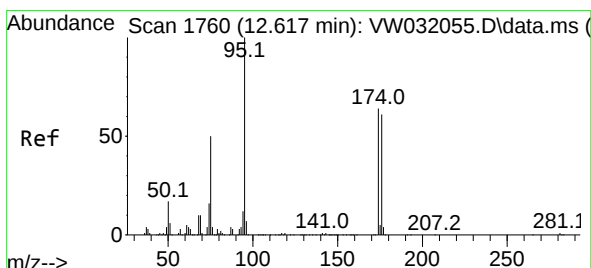
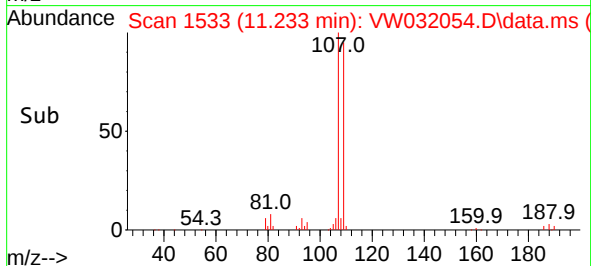
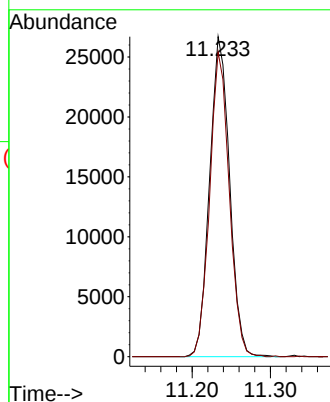
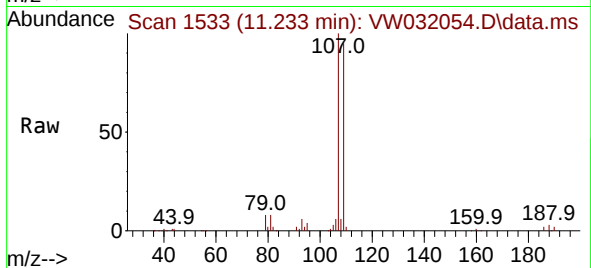




#61
1,2-Dibromoethane
Concen: 19.371 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

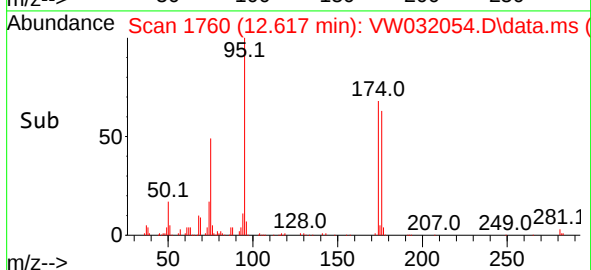
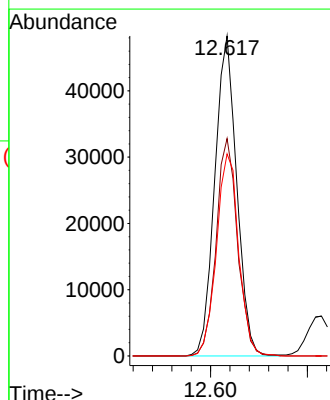
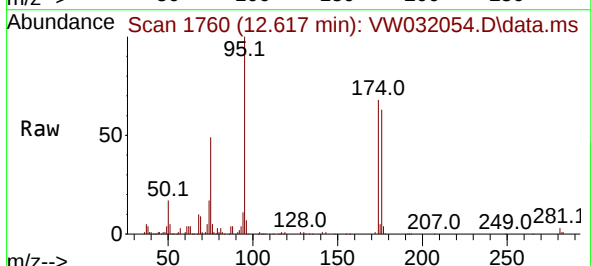
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

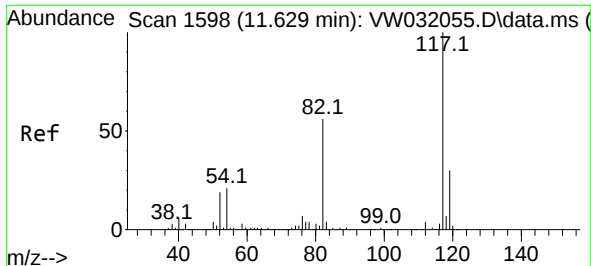
Tgt Ion:107 Resp: 47302
Ion Ratio Lower Upper
107 100
109 93.0 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 20.149 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 95 Resp: 76008
Ion Ratio Lower Upper
95 100
174 66.3 0.0 129.0
176 64.1 0.0 124.6

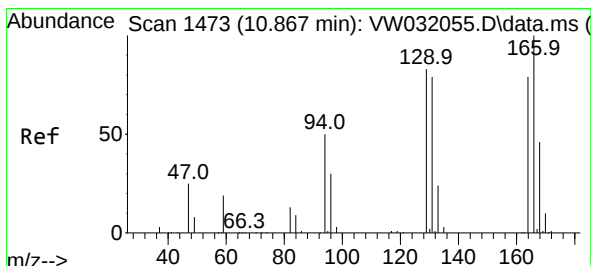
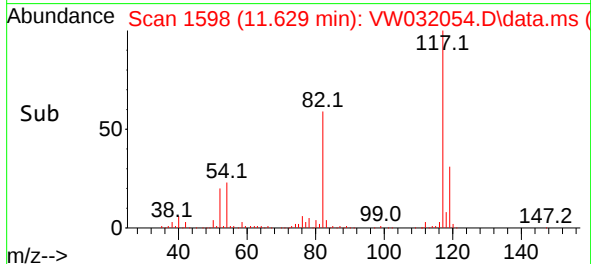
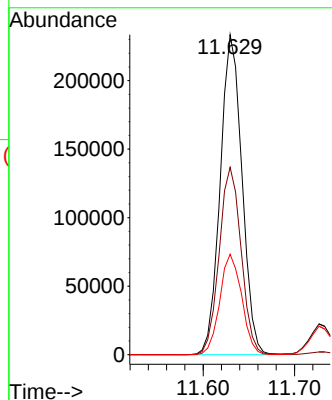
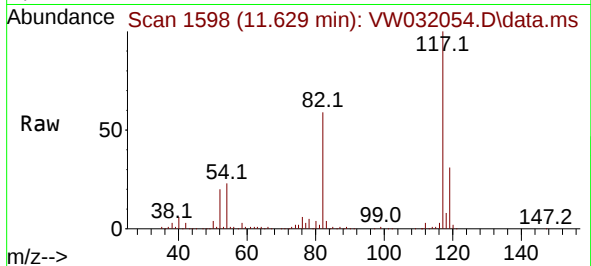




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

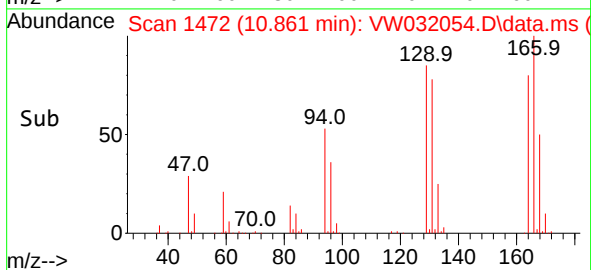
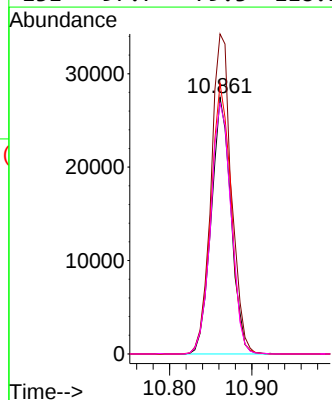
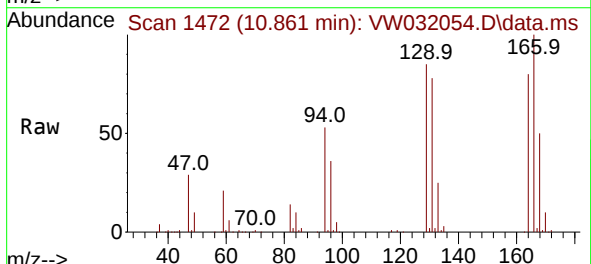
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

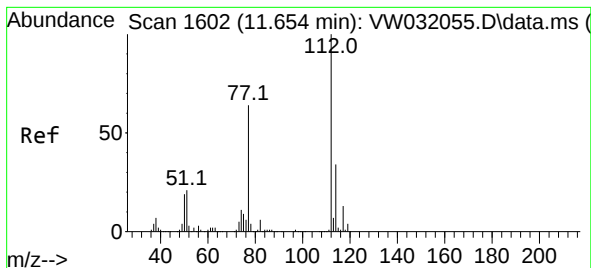
Tgt Ion:117 Resp: 386857
Ion Ratio Lower Upper
117 100
82 58.5 45.0 67.4
119 31.4 24.2 36.4



#64
Tetrachloroethene
Concen: 20.434 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:164 Resp: 45660
Ion Ratio Lower Upper
164 100
166 124.7 100.9 151.3
129 105.4 83.6 125.4
131 97.7 79.3 118.9





#65

Chlorobenzene

Concen: 20.169 ug/l

RT: 11.654 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

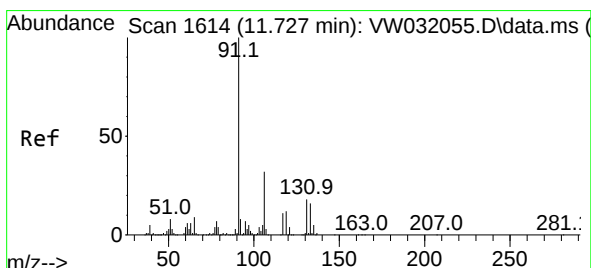
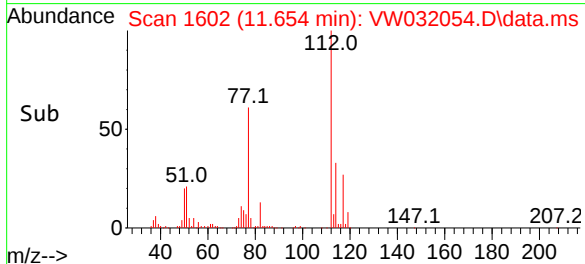
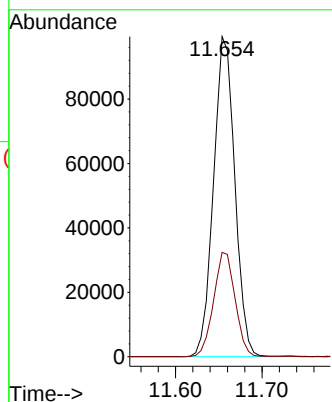
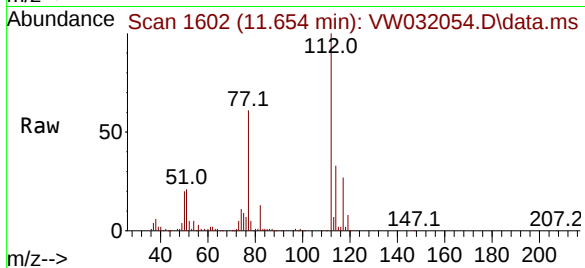
VSTDIC020

Tgt Ion:112 Resp: 169830

Ion Ratio Lower Upper

112 100

114 32.6 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 20.150 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

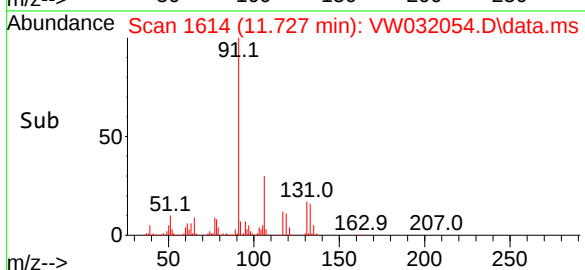
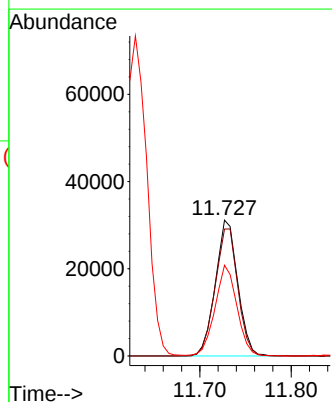
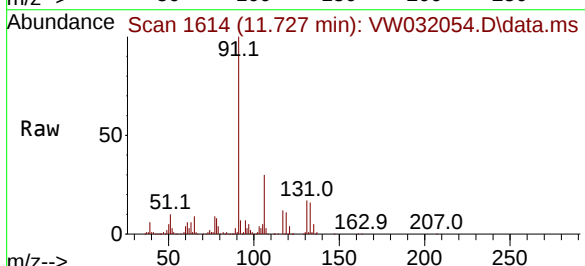
Tgt Ion:131 Resp: 52937

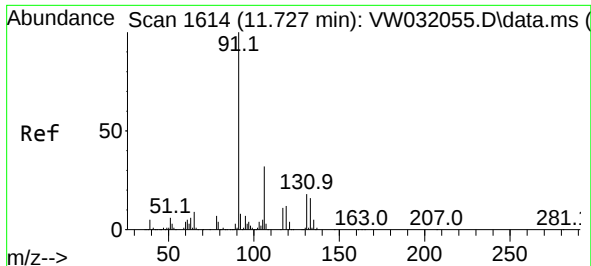
Ion Ratio Lower Upper

131 100

133 95.2 47.3 142.0

119 65.6 34.5 103.5





#67

Ethyl Benzene

Concen: 20.836 ug/l

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

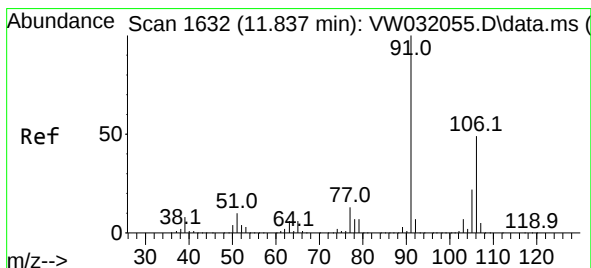
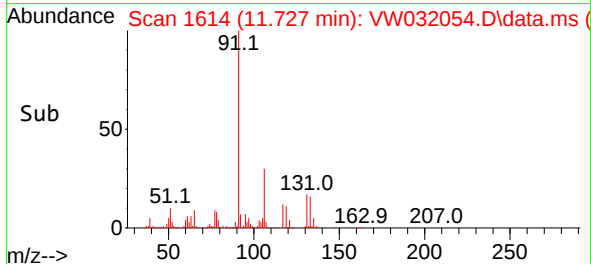
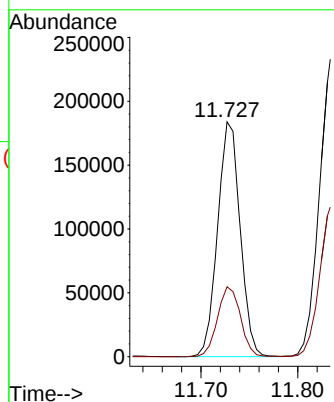
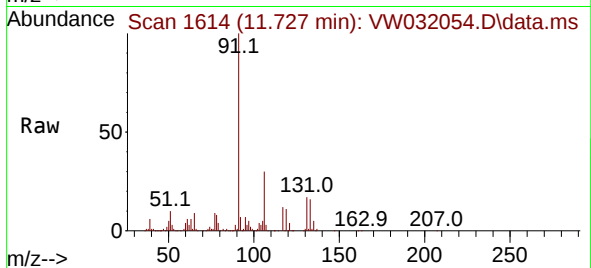
VSTDIC020

Tgt Ion: 91 Resp: 297193

Ion Ratio Lower Upper

91 100

106 29.8 25.4 38.0



#68

m/p-Xylenes

Concen: 42.376 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032054.D

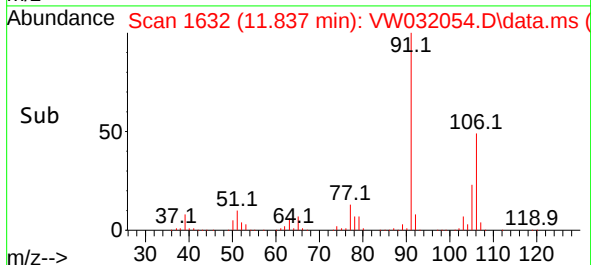
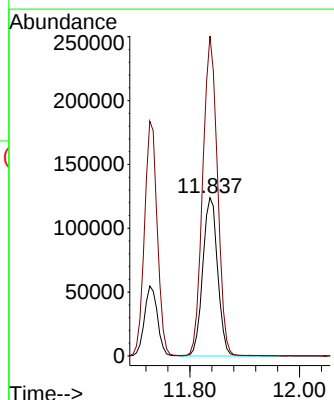
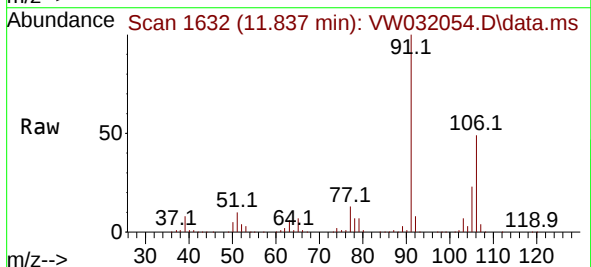
Acq: 11 Aug 2025 09:47

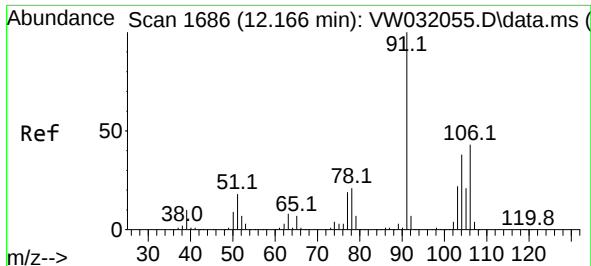
Tgt Ion: 106 Resp: 233224

Ion Ratio Lower Upper

106 100

91 199.8 162.2 243.2

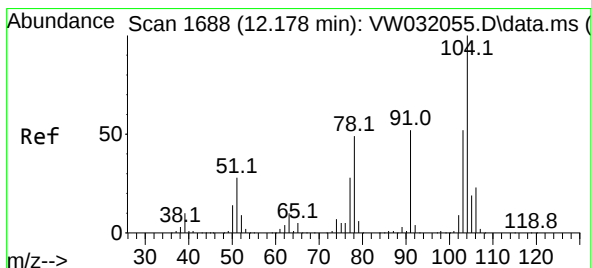
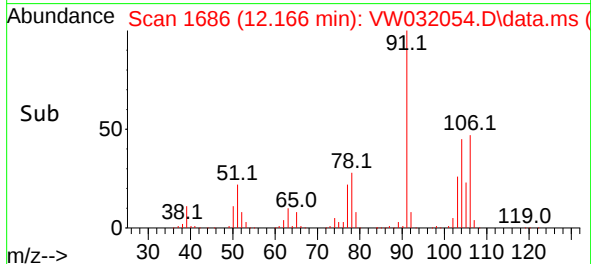
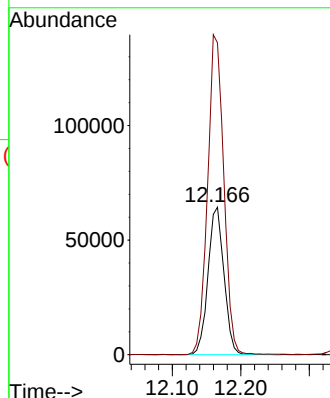
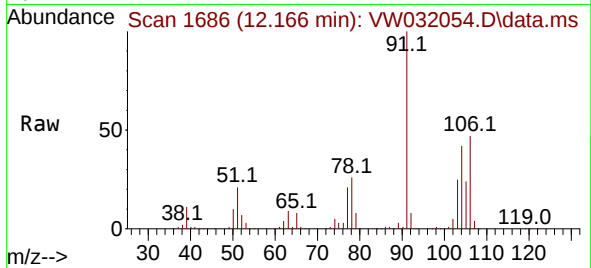




#69
o-Xylene
Concen: 20.482 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

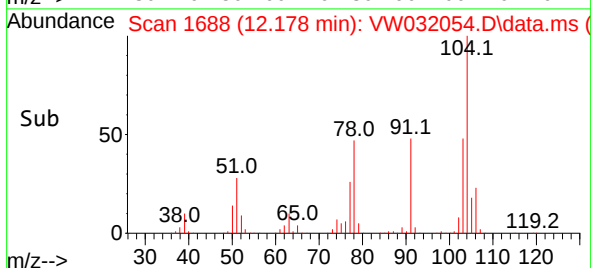
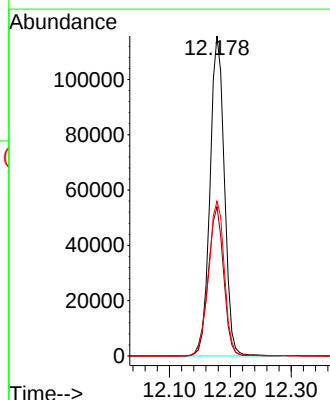
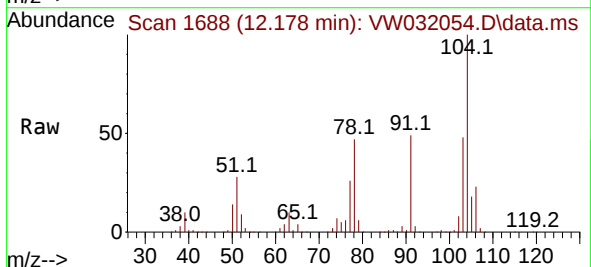
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

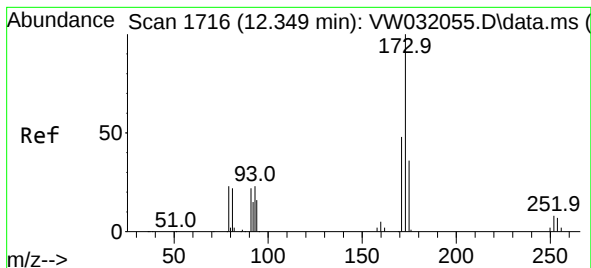
Tgt Ion:106 Resp: 104192
Ion Ratio Lower Upper
106 100
91 220.7 110.8 332.3



#70
Styrene
Concen: 20.991 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:104 Resp: 189664
Ion Ratio Lower Upper
104 100
78 50.1 41.2 61.8
103 53.2 43.8 65.8





#71

Bromoform

Concen: 18.991 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

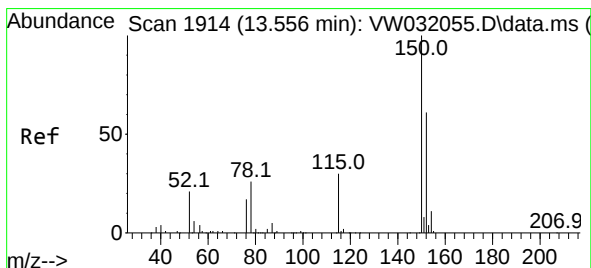
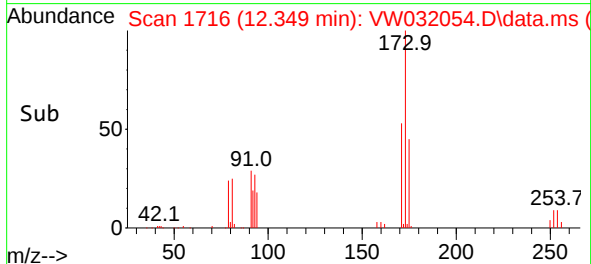
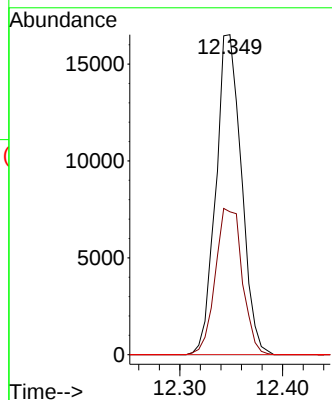
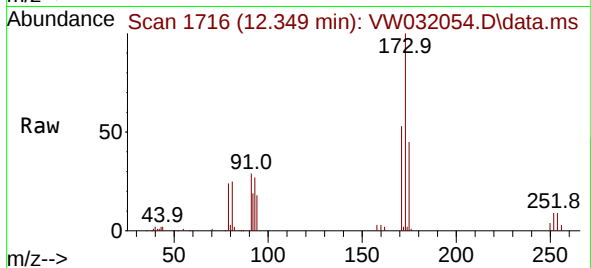
Tgt Ion:173 Resp: 28540

Ion Ratio Lower Upper

173 100

175 48.1 22.9 68.7

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1913

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

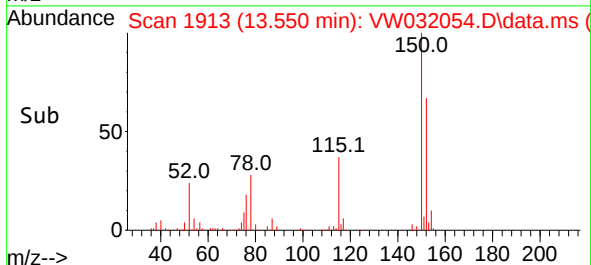
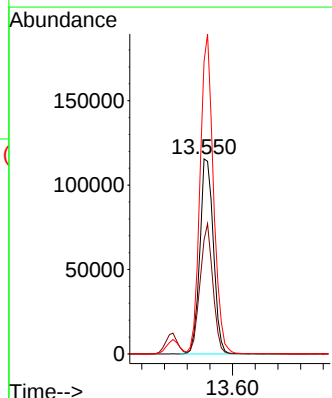
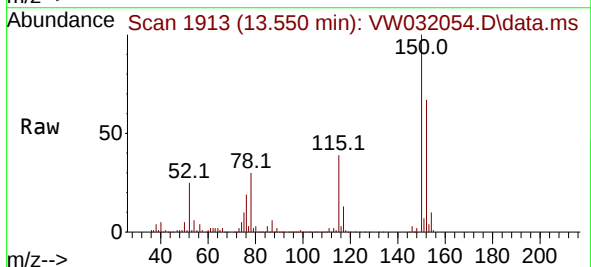
Tgt Ion:152 Resp: 191343

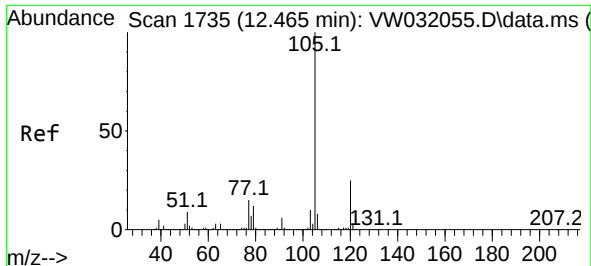
Ion Ratio Lower Upper

152 100

115 63.0 32.6 97.8

150 161.1 0.0 359.4

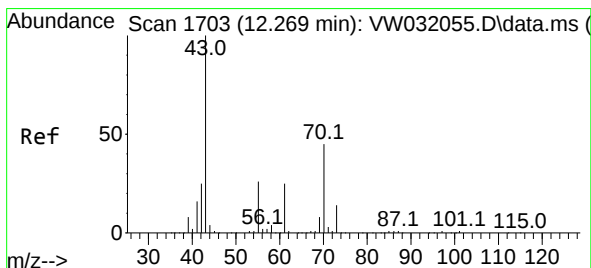
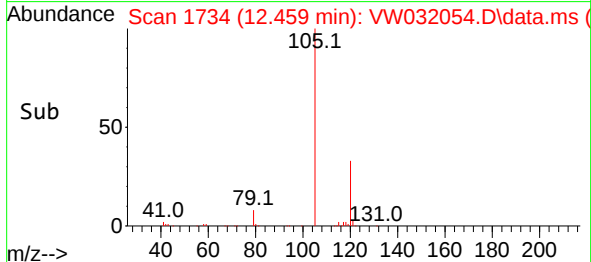
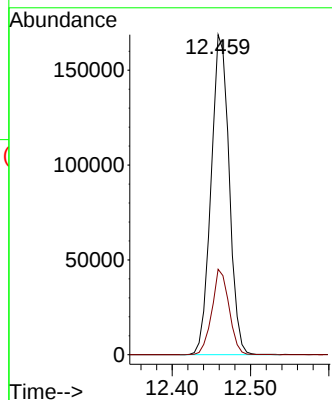
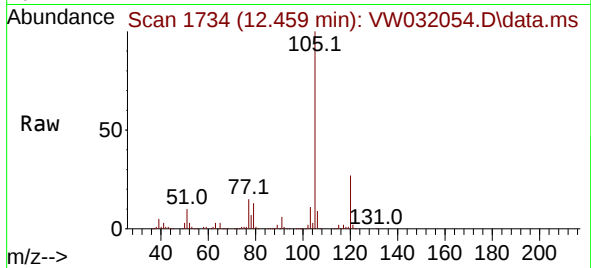




#73
Isopropylbenzene
Concen: 20.178 ug/l
RT: 12.459 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

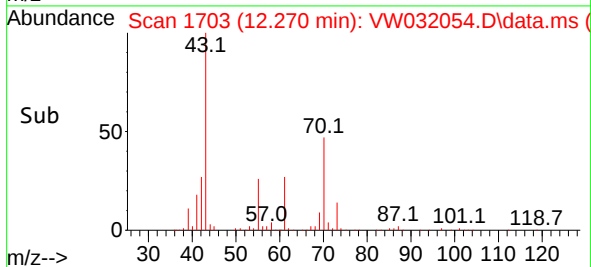
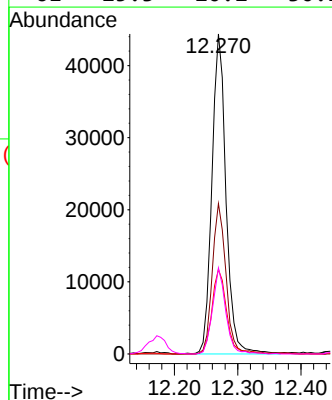
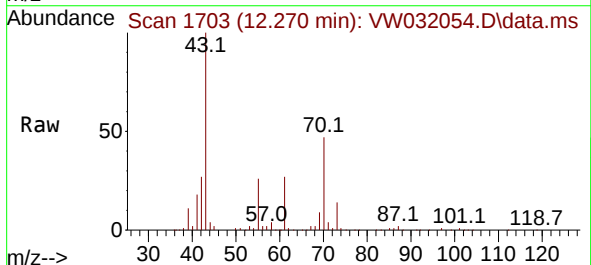
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

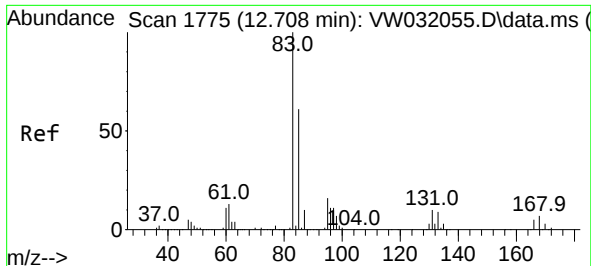
Tgt Ion:105 Resp: 269829
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4



#74
N-ethyl acetate
Concen: 18.005 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 43 Resp: 69075
Ion Ratio Lower Upper
43 100
70 45.7 37.0 55.4
55 27.7 21.1 31.7
61 25.3 20.2 30.2

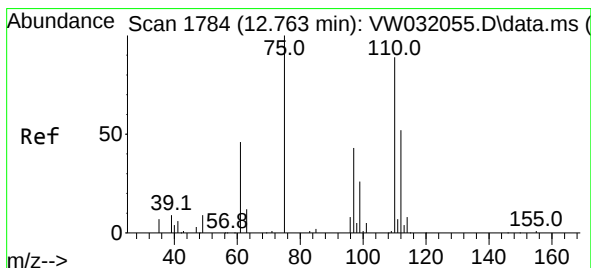
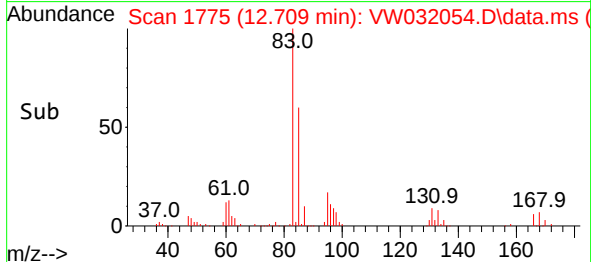
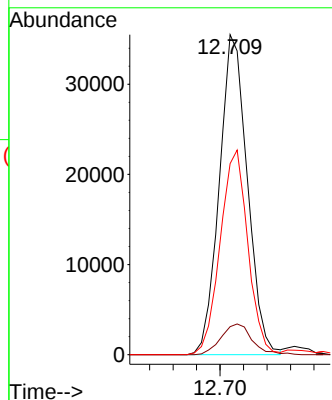
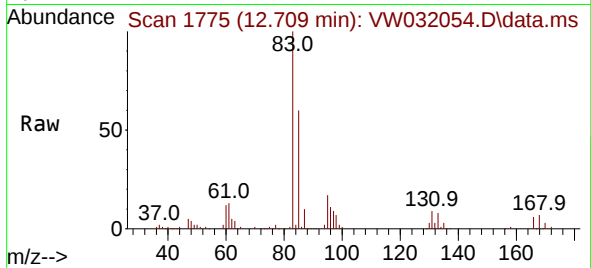




#75
1,1,2,2-Tetrachloroethane
Concen: 18.531 ug/l
RT: 12.709 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

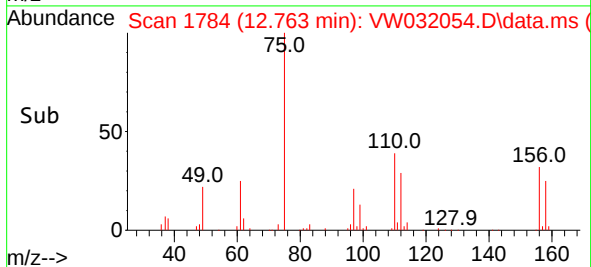
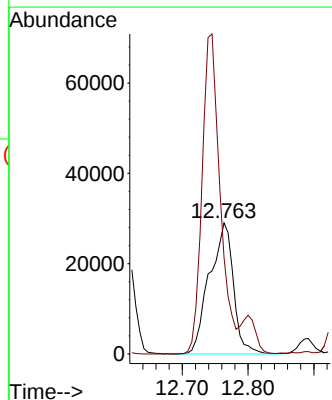
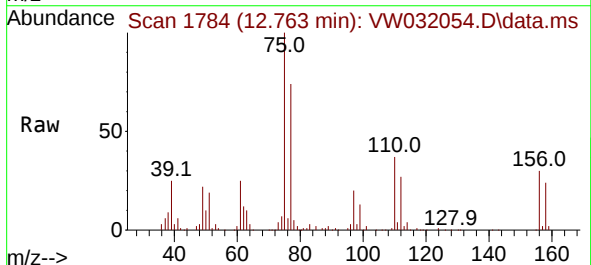
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

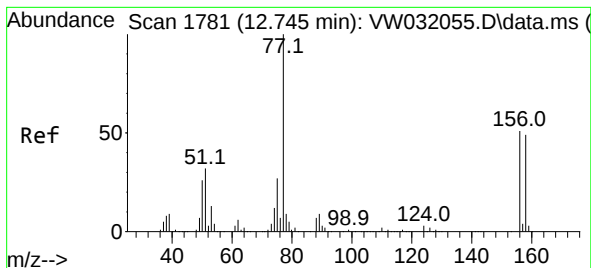
Tgt Ion: 83 Resp: 58836
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.4
85 63.2 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 25.017 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 75 Resp: 73585
Ion Ratio Lower Upper
75 100
77 183.8 123.5 370.5





#77

Bromobenzene

Concen: 19.221 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

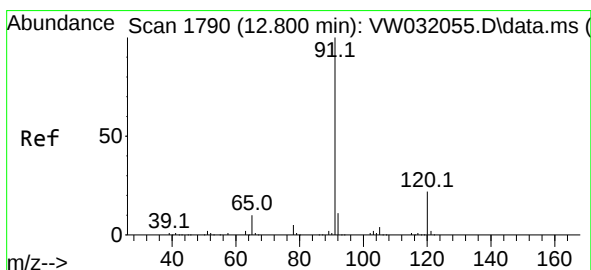
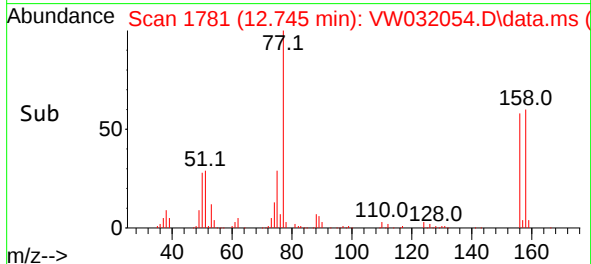
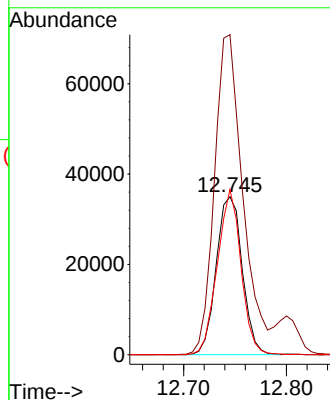
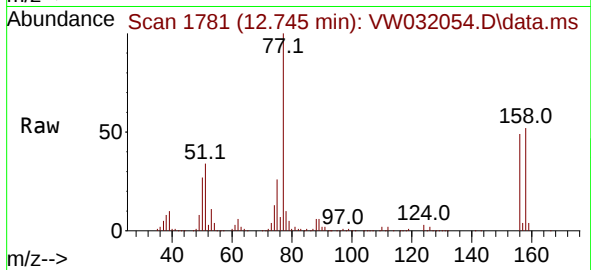
Tgt Ion:156 Resp: 61389

Ion Ratio Lower Upper

156 100

77 220.3 108.7 326.3

158 95.2 48.3 144.9



#78

n-propylbenzene

Concen: 20.476 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW032054.D

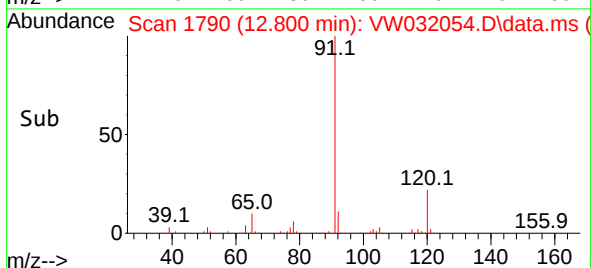
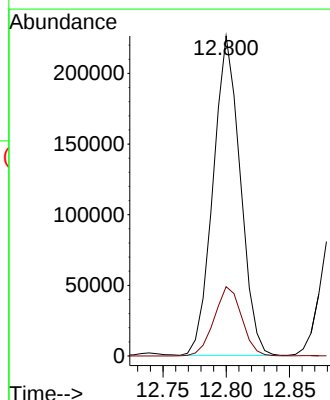
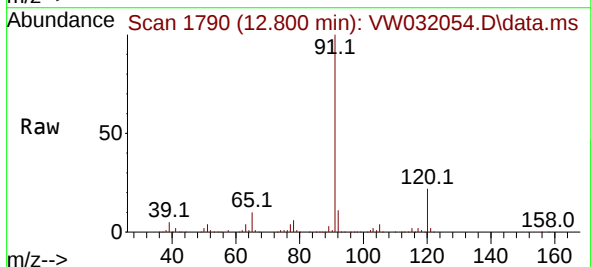
Acq: 11 Aug 2025 09:47

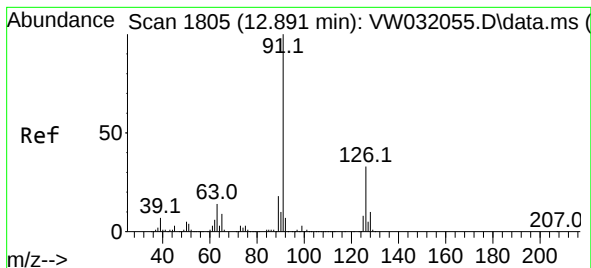
Tgt Ion: 91 Resp: 337098

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.3





#79

2-Chlorotoluene

Concen: 20.069 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

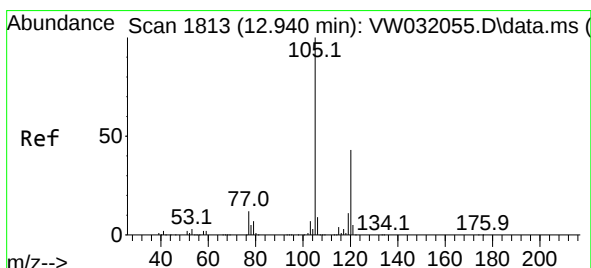
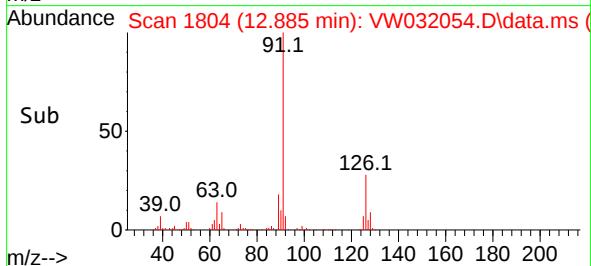
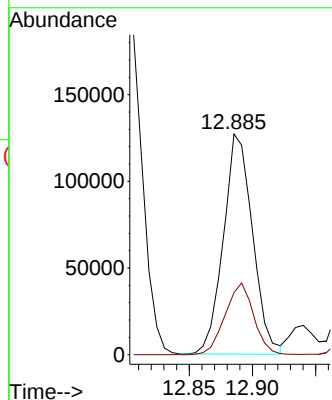
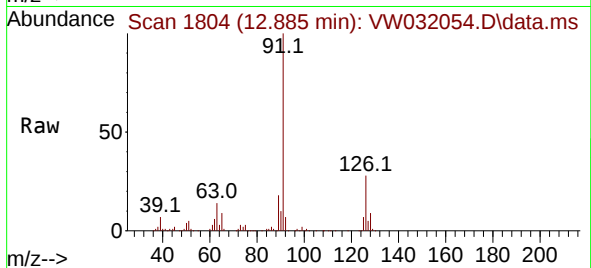
VSTDIC020

Tgt Ion: 91 Resp: 203918

Ion Ratio Lower Upper

91 100

126 32.0 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 20.226 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032054.D

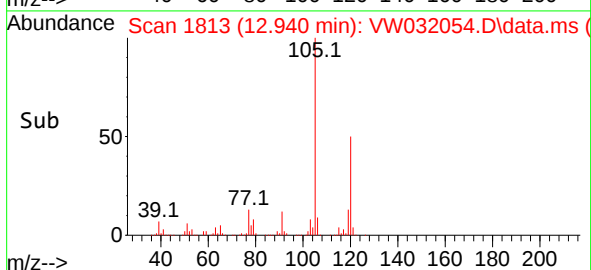
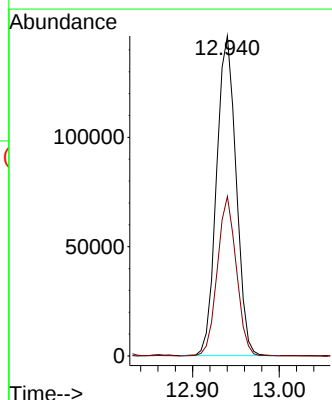
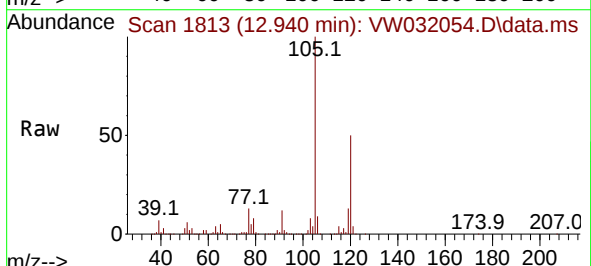
Acq: 11 Aug 2025 09:47

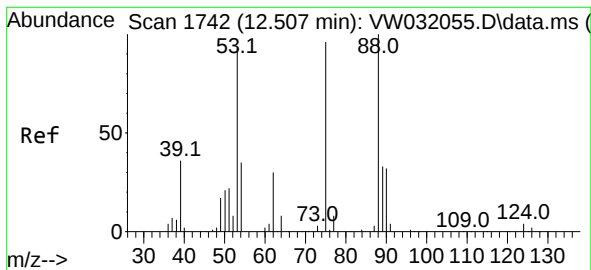
Tgt Ion:105 Resp: 229615

Ion Ratio Lower Upper

105 100

120 48.5 23.4 70.0

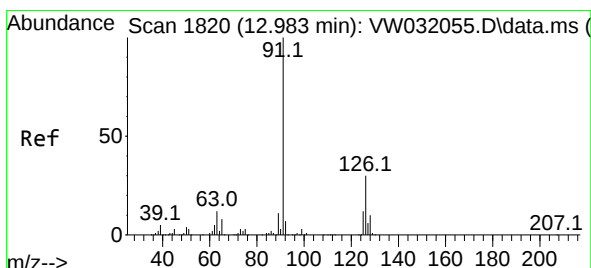
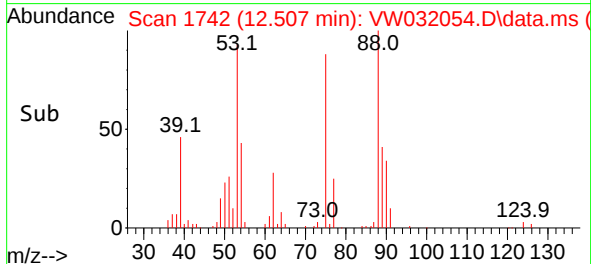
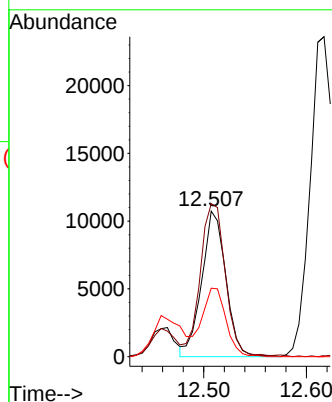
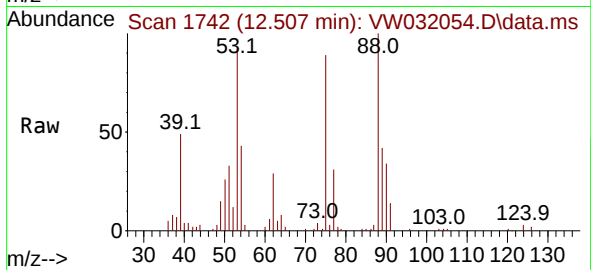




#81
trans-1,4-Dichloro-2-butene
Concen: 17.458 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

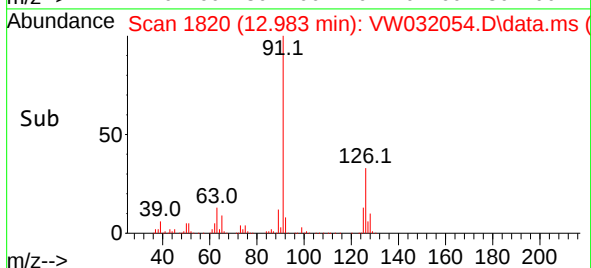
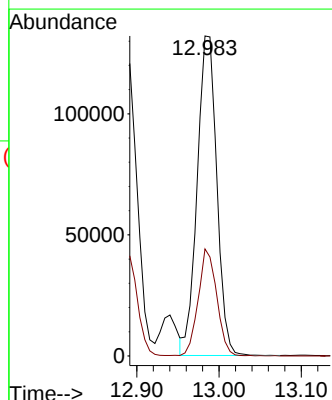
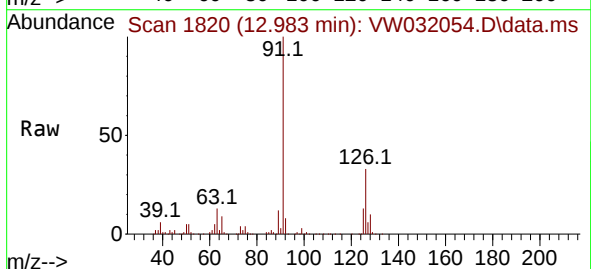
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

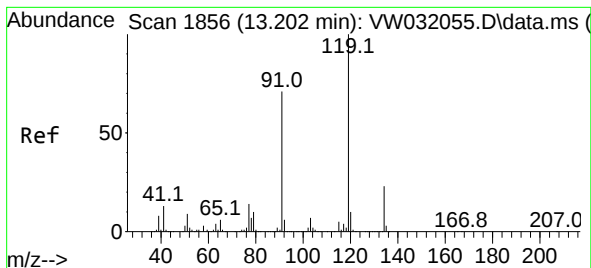
Tgt Ion: 75 Resp: 17512
Ion Ratio Lower Upper
75 100
53 110.9 81.0 121.6
89 48.9 37.3 55.9



#82
4-Chlorotoluene
Concen: 20.253 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion: 91 Resp: 218637
Ion Ratio Lower Upper
91 100
126 31.9 15.5 46.5

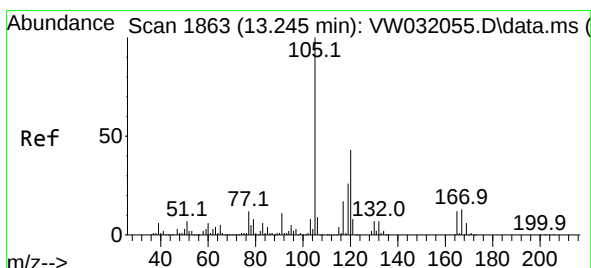
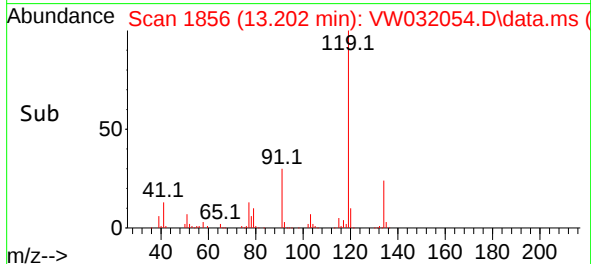
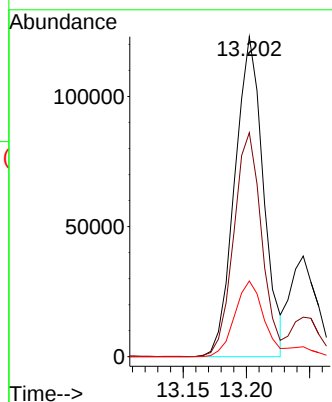
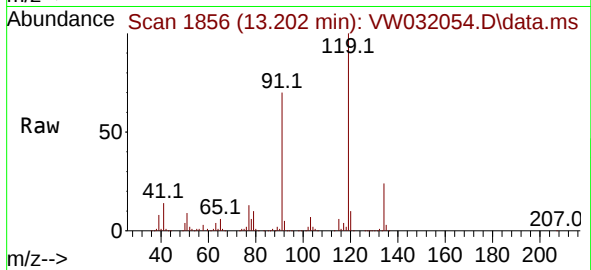




#83
tert-Butylbenzene
Concen: 20.608 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

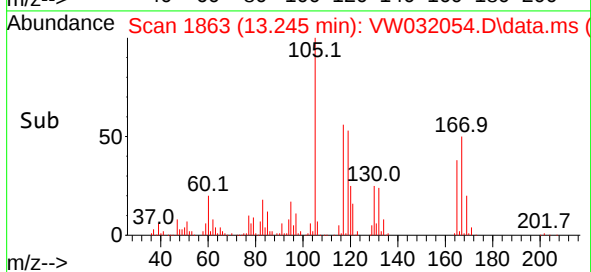
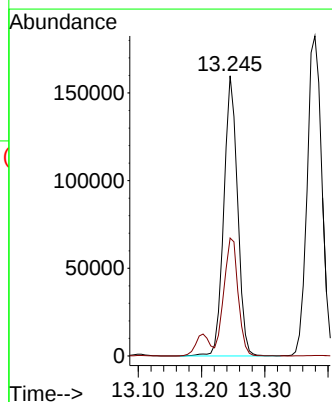
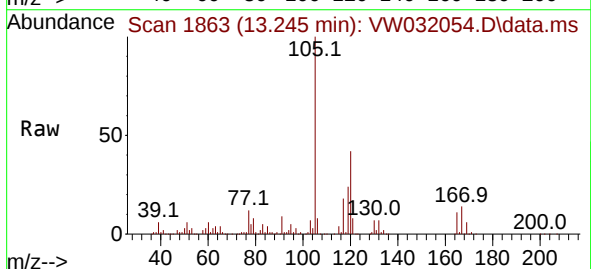
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

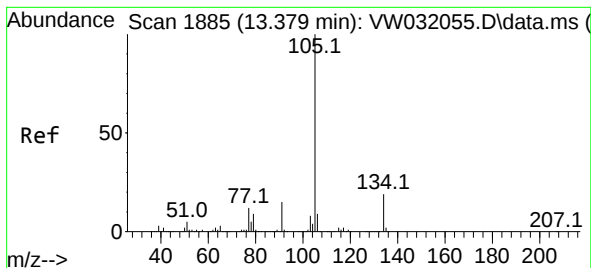
Tgt Ion:119 Resp: 194168
Ion Ratio Lower Upper
119 100
91 68.1 35.3 105.9
134 24.2 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 20.774 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032054.D
Acq: 11 Aug 2025 09:47

Tgt Ion:105 Resp: 240078
Ion Ratio Lower Upper
105 100
120 43.5 21.6 64.8





#85

sec-Butylbenzene

Concen: 20.547 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

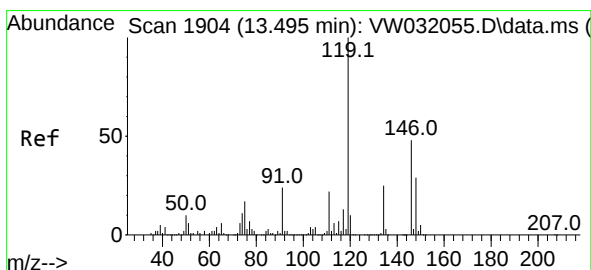
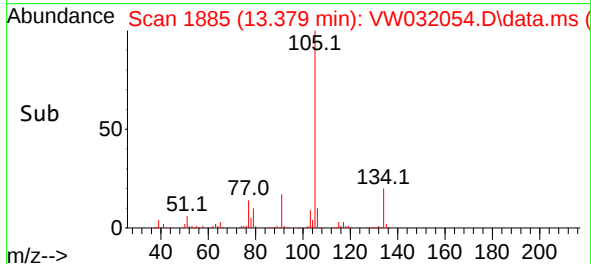
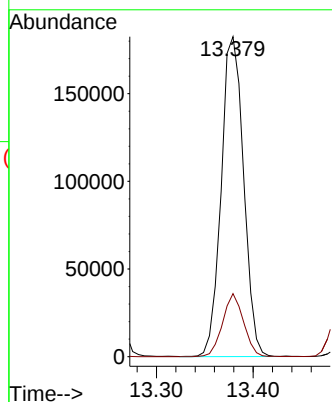
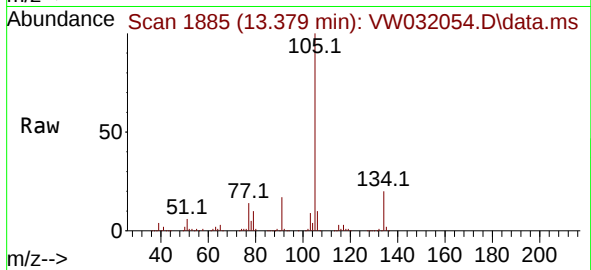
VSTDIC020

Tgt Ion:105 Resp: 292689

Ion Ratio Lower Upper

105 100

134 18.5 9.9 29.7



#86

p-Isopropyltoluene

Concen: 20.638 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

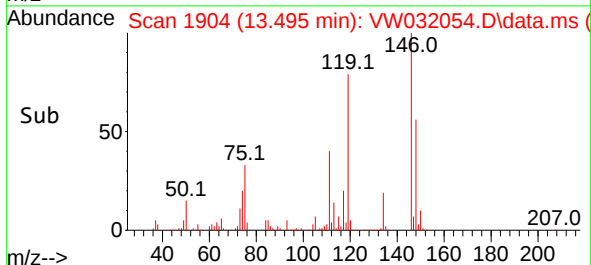
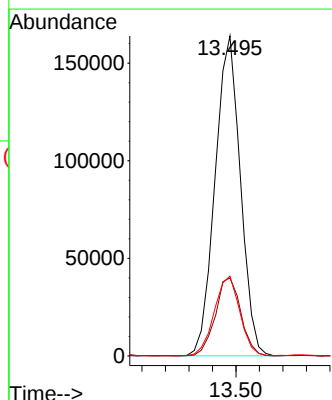
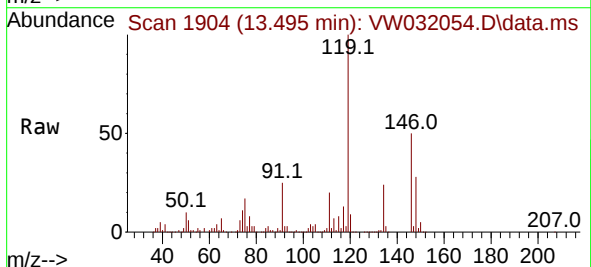
Tgt Ion:119 Resp: 245081

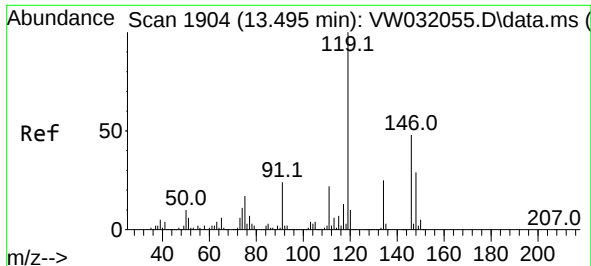
Ion Ratio Lower Upper

119 100

134 24.5 12.4 37.0

91 25.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.282 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

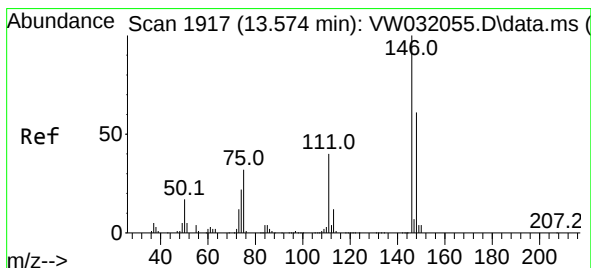
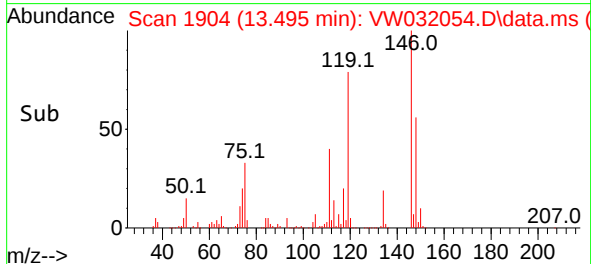
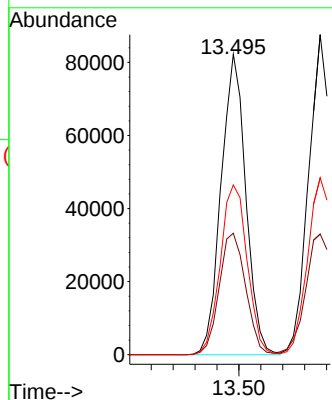
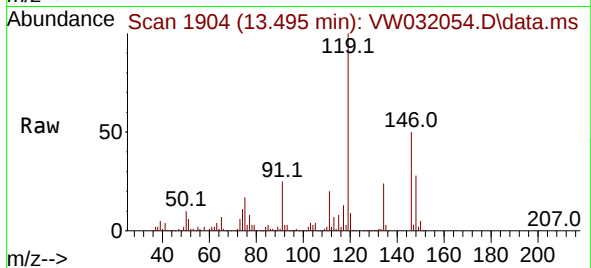
Tgt Ion:146 Resp: 128893

Ion Ratio Lower Upper

146 100

111 43.2 21.2 63.6

148 61.5 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 20.724 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

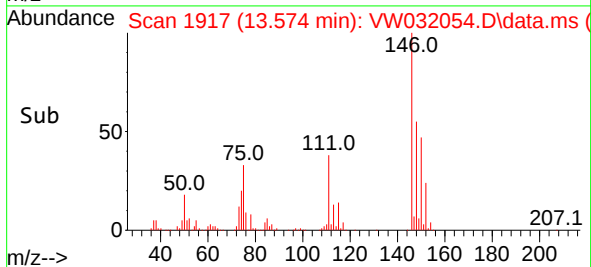
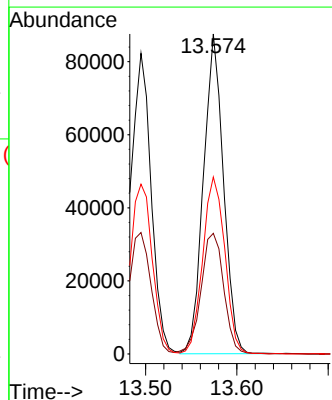
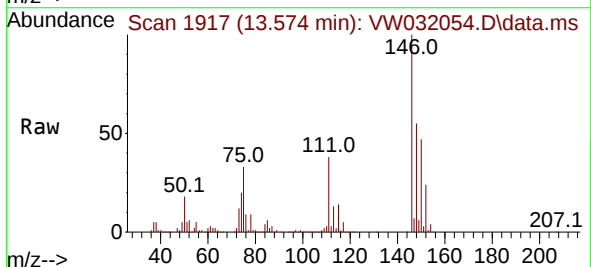
Tgt Ion:146 Resp: 133097

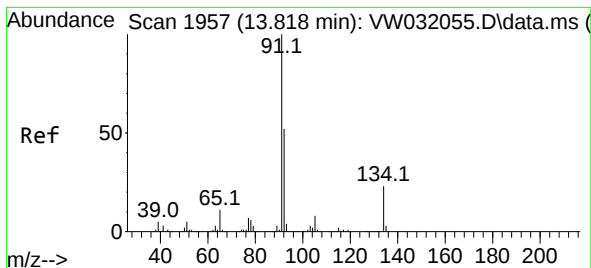
Ion Ratio Lower Upper

146 100

111 42.7 21.6 64.6

148 61.1 32.0 96.2





#89

n-Butylbenzene

Concen: 20.328 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

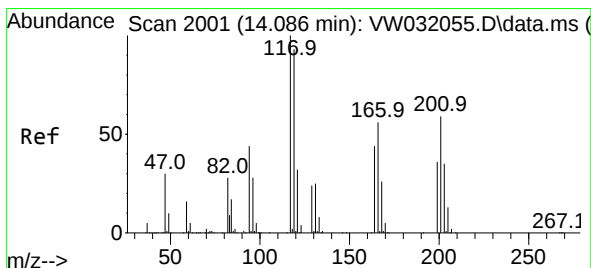
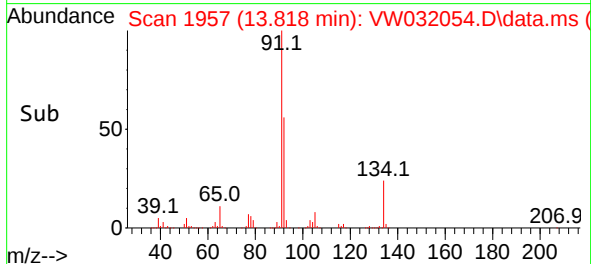
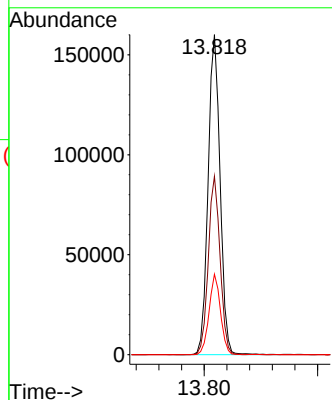
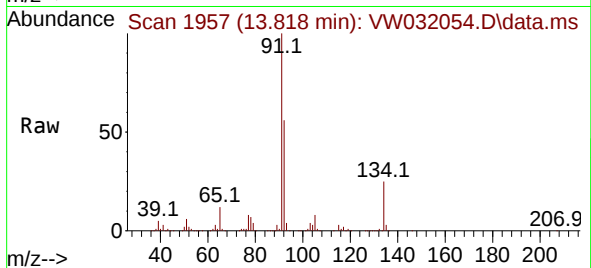
Tgt Ion: 91 Resp: 234522

Ion Ratio Lower Upper

91 100

92 54.8 26.7 80.1

134 24.0 12.0 36.1



#90

Hexachloroethane

Concen: 19.904 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VW032054.D

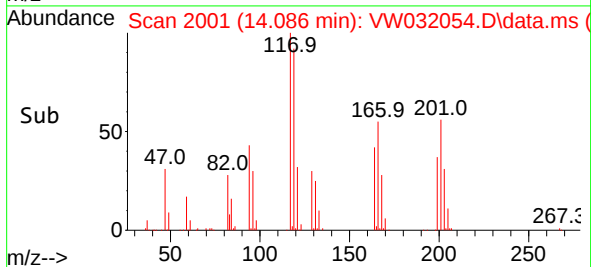
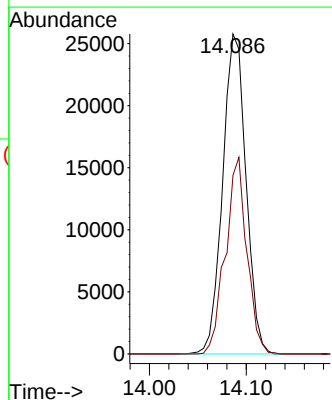
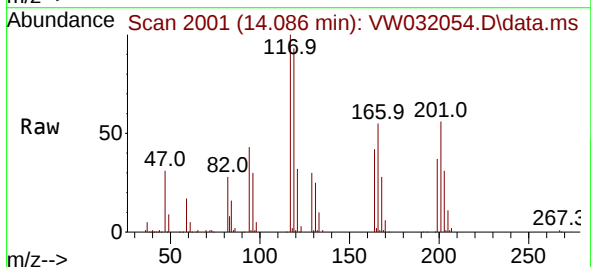
Acq: 11 Aug 2025 09:47

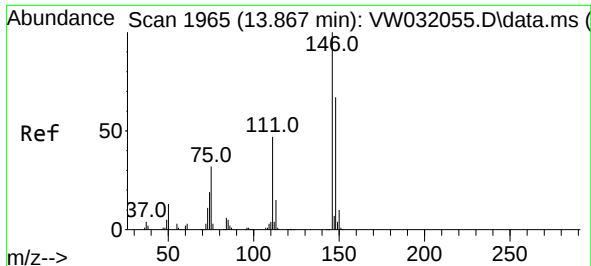
Tgt Ion: 117 Resp: 43226

Ion Ratio Lower Upper

117 100

201 56.5 30.9 92.5





#91

1,2-Dichlorobenzene

Concen: 19.812 ug/l

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

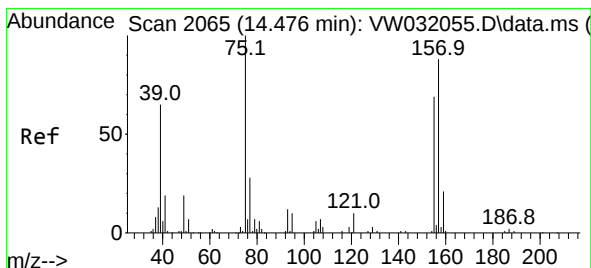
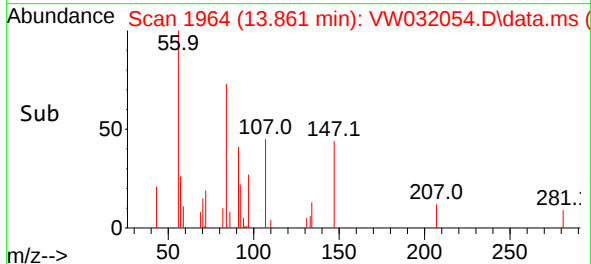
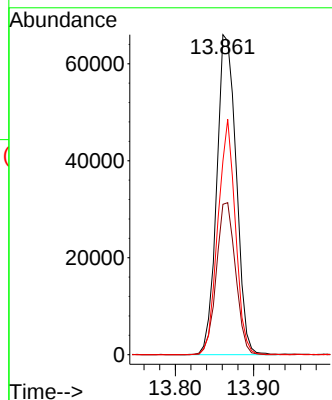
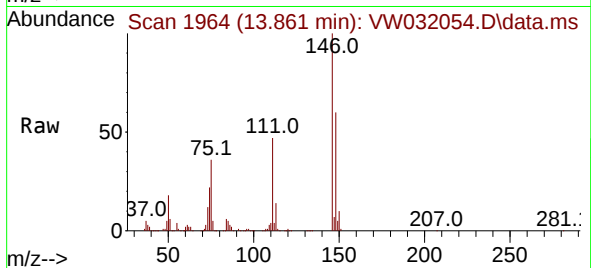
Tgt Ion:146 Resp: 114056

Ion Ratio Lower Upper

146 100

111 46.8 23.1 69.3

148 66.0 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.736 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

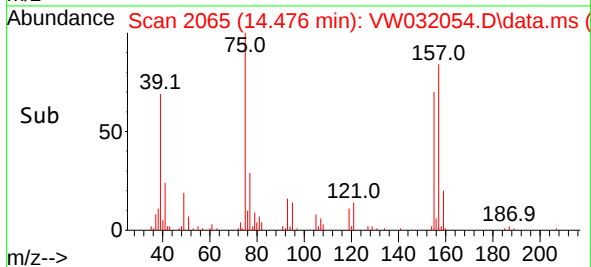
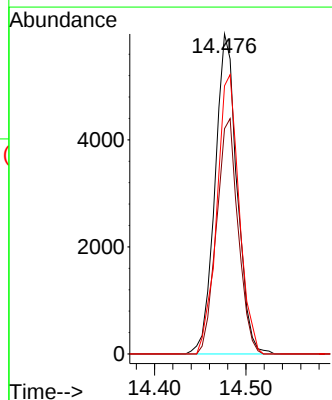
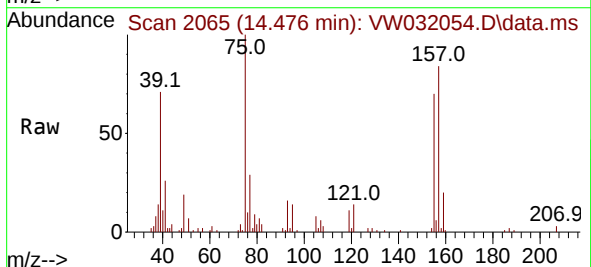
Tgt Ion: 75 Resp: 10011

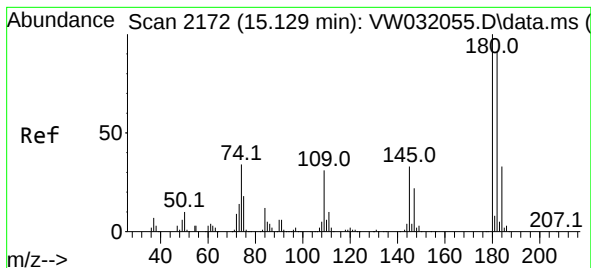
Ion Ratio Lower Upper

75 100

155 72.2 35.2 105.6

157 88.0 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 20.102 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

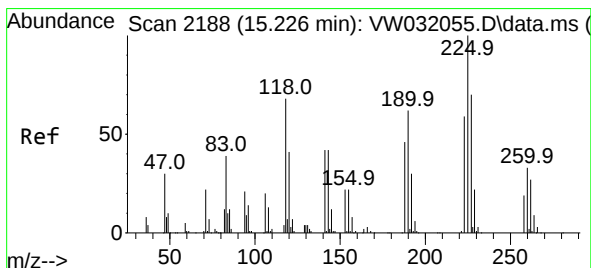
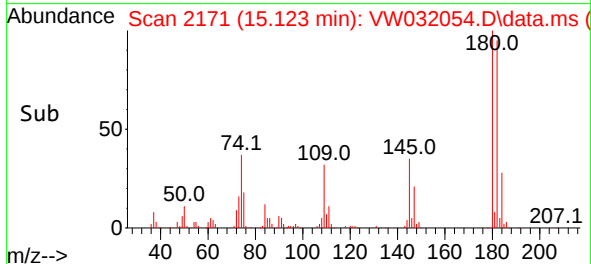
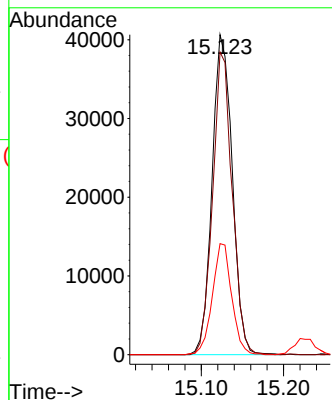
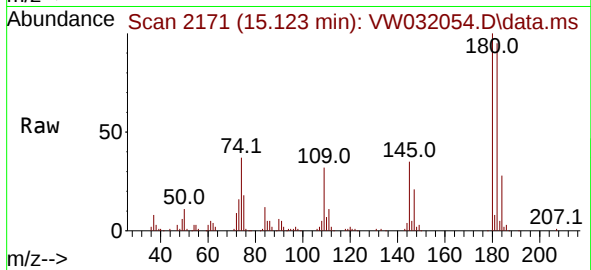
Tgt Ion:180 Resp: 69229

Ion Ratio Lower Upper

180 100

182 91.7 49.0 147.0

145 33.4 17.3 51.9



#94

Hexachlorobutadiene

Concen: 19.720 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

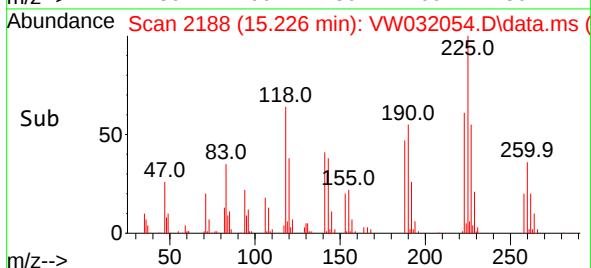
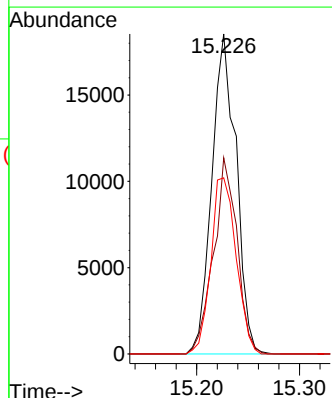
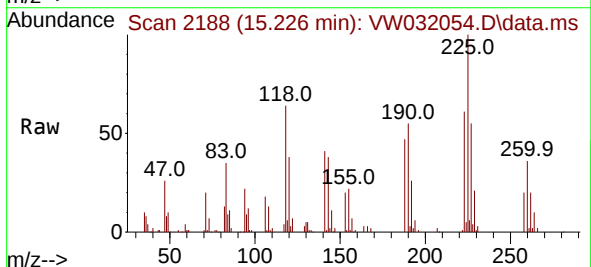
Tgt Ion:225 Resp: 30358

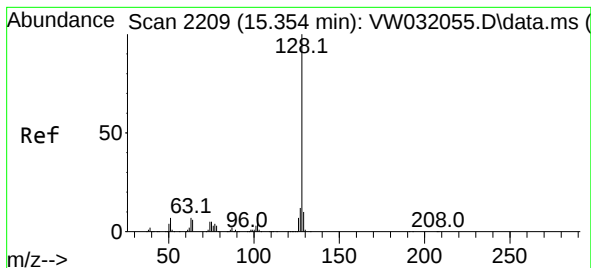
Ion Ratio Lower Upper

225 100

223 59.4 31.8 95.3

227 57.4 33.5 100.5





#95

Naphthalene

Concen: 18.147 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

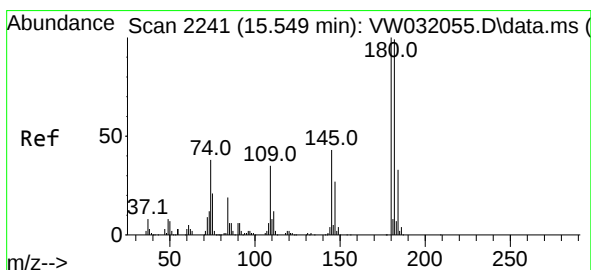
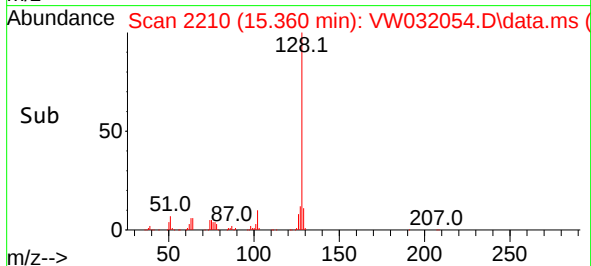
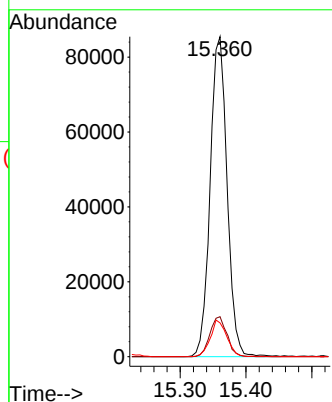
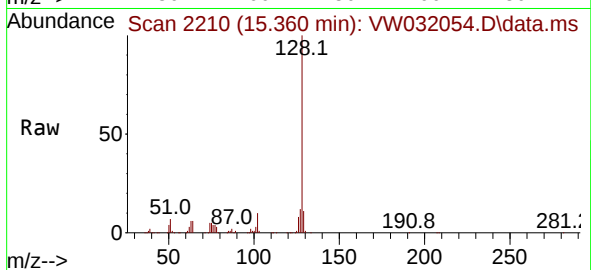
Tgt Ion:128 Resp: 153137

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 11.1 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 19.635 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032054.D

Acq: 11 Aug 2025 09:47

Tgt Ion:180 Resp: 61526

Ion Ratio Lower Upper

180 100

182 95.0 46.0 138.0

145 37.1 19.2 57.6

