

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032651.D
 Acq On : 16 Dec 2025 13:06
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 17 00:37:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 00:33:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	323167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	616231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	561272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	259146	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	23577	5.086	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	10.180%#
35) Dibromofluoromethane	7.898	113	18023	4.501	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	9.000%#
50) Toluene-d8	10.325	98	65895	4.367	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	8.740%#
62) 4-Bromofluorobenzene	12.617	95	25092	4.521	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	9.040%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.040	85	9401	4.999	ug/l	93
3) Chloromethane	2.253	50	18732	5.613	ug/l	99
4) Vinyl Chloride	2.399	62	21825	5.161	ug/l	98
5) Bromomethane	2.820	94	13721	4.965	ug/l	96
6) Chloroethane	2.966	64	12821	4.698	ug/l	99
7) Trichlorofluoromethane	3.302	101	15811	4.277	ug/l	98
8) Diethyl Ether	3.716	74	11851	5.061	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	17823	4.843	ug/l	98
10) Methyl Iodide	4.308	142	24811	4.773	ug/l	96
11) Tert butyl alcohol	5.222	59	7803	25.496	ug/l #	84
12) 1,1-Dichloroethene	4.076	96	18513	4.789	ug/l	93
13) Acrolein	3.930	56	12821	29.317	ug/l	97
14) Allyl chloride	4.704	41	30753	4.375	ug/l	92
15) Acrylonitrile	5.405	53	30525	23.688	ug/l	97
16) Acetone	4.167	43	52040	32.682	ug/l	93
17) Carbon Disulfide	4.417	76	50998	4.690	ug/l	99
18) Methyl Acetate	4.710	43	14834	4.860	ug/l #	76
19) Methyl tert-butyl Ether	5.472	73	35523	4.500	ug/l	95
20) Methylene Chloride	4.948	84	33739	3.117	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	19469	4.656	ug/l	99
22) Diisopropyl ether	6.332	45	60617	4.281	ug/l #	80
23) Vinyl Acetate	6.289	43	197217	20.972	ug/l	96
24) 1,1-Dichloroethane	6.246	63	37955	4.618	ug/l	99
25) 2-Butanone	7.197	43	42484	23.472	ug/l	98
26) 2,2-Dichloropropane	7.191	77	23616	4.800	ug/l	97
27) cis-1,2-Dichloroethene	7.185	96	22586	4.621	ug/l	98
28) Bromochloromethane	7.533	49	14291	4.595	ug/l	93
29) Tetrahydrofuran	7.563	42	24780	22.732	ug/l	99
30) Chloroform	7.697	83	38175	4.667	ug/l	99
31) Cyclohexane	7.972	56	41013	5.383	ug/l #	89
32) 1,1,1-Trichloroethane	7.880	97	28825	4.627	ug/l	98
36) 1,1-Dichloropropene	8.100	75	26751	4.314	ug/l	96
37) Ethyl Acetate	7.277	43	18547	4.503	ug/l	95
38) Carbon Tetrachloride	8.087	117	26379	4.493	ug/l	97
39) Methylcyclohexane	9.343	83	32863	4.231	ug/l	91
40) Benzene	8.337	78	80466	4.320	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032651.D
 Acq On : 16 Dec 2025 13:06
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 17 00:37:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 00:33:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	9788	4.287	ug/l	98
42) 1,2-Dichloroethane	8.417	62	25764	4.371	ug/l	98
43) Isopropyl Acetate	8.435	43	30208	4.213	ug/l	97
44) Trichloroethene	9.099	130	19365	4.495	ug/l	89
45) 1,2-Dichloropropane	9.374	63	20495	4.314	ug/l	96
46) Dibromomethane	9.465	93	12298	4.500	ug/l	98
47) Bromodichloromethane	9.654	83	27710	4.302	ug/l #	97
48) Methyl methacrylate	9.447	41	14153	4.100	ug/l	92
49) 1,4-Dioxane	9.471	88	2493	71.895	ug/l #	92
51) 4-Methyl-2-Pentanone	10.215	43	86912	21.583	ug/l	97
52) Toluene	10.392	92	47680	4.157	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	25089	4.003	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	29373	4.030	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	16471	4.445	ug/l	96
56) Ethyl methacrylate	10.648	69	19077	3.707	ug/l	98
57) 1,3-Dichloropropane	10.934	76	28558	4.351	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.928	63	42778	31.093	ug/l	97
59) 2-Hexanone	10.971	43	60642	20.904	ug/l	93
60) Dibromochloromethane	11.130	129	17291	4.211	ug/l	93
61) 1,2-Dibromoethane	11.239	107	15675	4.438	ug/l	94
64) Tetrachloroethene	10.861	164	15692	4.383	ug/l	95
65) Chlorobenzene	11.654	112	53712	4.211	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.733	131	16826	4.309	ug/l	96
67) Ethyl Benzene	11.733	91	87570	4.017	ug/l	94
68) m/p-Xylenes	11.837	106	64106	7.709	ug/l	98
69) o-Xylene	12.166	106	29126	3.834	ug/l	98
70) Styrene	12.178	104	47759	3.608	ug/l	99
71) Bromoform	12.349	173	9684	4.439	ug/l #	100
73) Isopropylbenzene	12.465	105	74824	3.837	ug/l	99
74) N-amyl acetate	12.270	43	23303	3.658	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	21454	4.629	ug/l	97
76) 1,2,3-Trichloropropane	12.769	75	16609m	2.806	ug/l	
77) Bromobenzene	12.745	156	19238	4.282	ug/l	98
78) n-propylbenzene	12.800	91	95635	3.871	ug/l	99
79) 2-Chlorotoluene	12.891	91	60002	4.077	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	62143	3.823	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	6213	4.110	ug/l	92
82) 4-Chlorotoluene	12.989	91	67094	4.293	ug/l	98
83) tert-Butylbenzene	13.202	119	53199	3.813	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	62604	3.790	ug/l	99
85) sec-Butylbenzene	13.379	105	85592	4.021	ug/l	99
86) p-Isopropyltoluene	13.495	119	68332	3.920	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	40001	4.424	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	40791	4.490	ug/l	91
89) n-Butylbenzene	13.818	91	67864	3.872	ug/l	99
90) Hexachloroethane	14.092	117	13432	4.100	ug/l	95
91) 1,2-Dichlorobenzene	13.861	146	34635	4.231	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	3611	4.528	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	19465	4.017	ug/l	98
94) Hexachlorobutadiene	15.232	225	10204	4.506	ug/l	91
95) Naphthalene	15.360	128	42683	3.747	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	17666	4.058	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
Data File : VW032651.D
Acq On : 16 Dec 2025 13:06
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

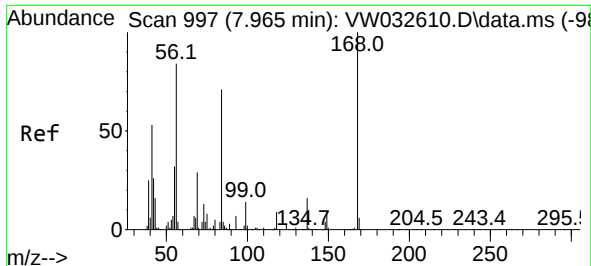
Quant Time: Dec 17 00:37:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 17 00:33:11 2025
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Dec 17 00:37:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 17 00:33:11 2025
Response via : Initial Calibration

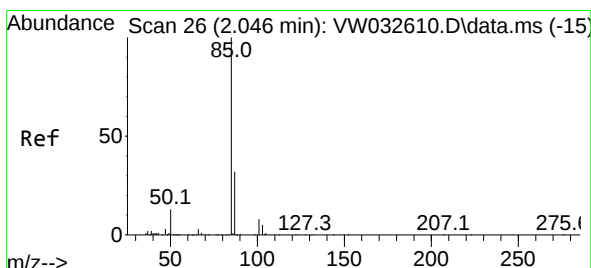
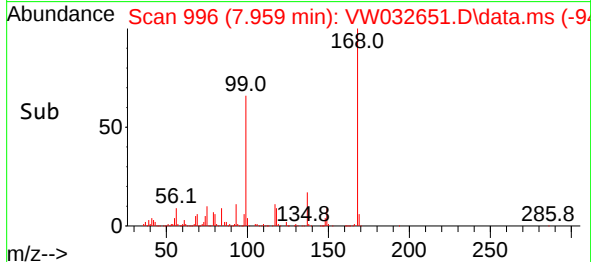
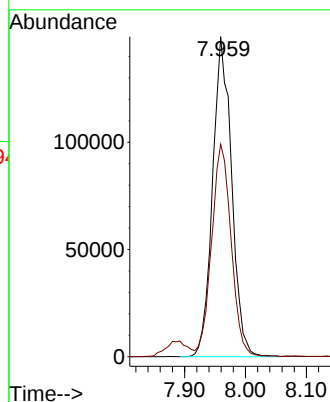
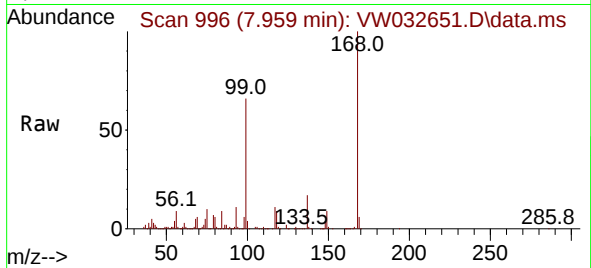




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

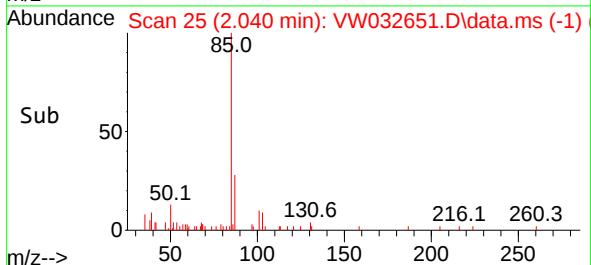
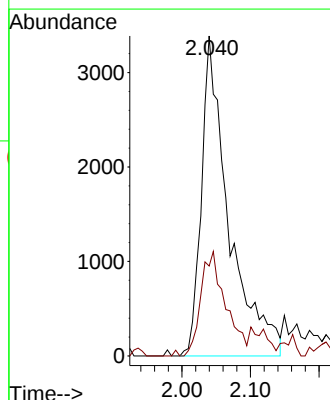
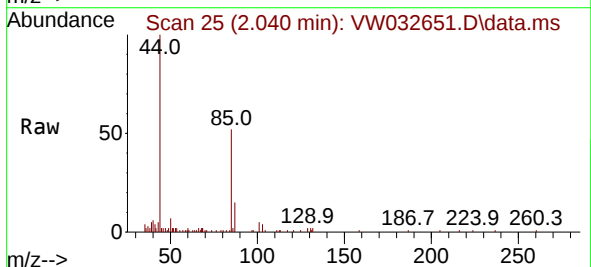
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

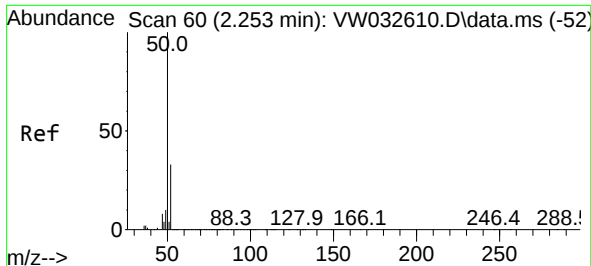
Tgt Ion:168 Resp: 323167
Ion Ratio Lower Upper
168 100
99 66.3 47.8 71.8



#2
Dichlorodifluoromethane
Concen: 4.999 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 85 Resp: 9401
Ion Ratio Lower Upper
85 100
87 28.1 16.1 48.3

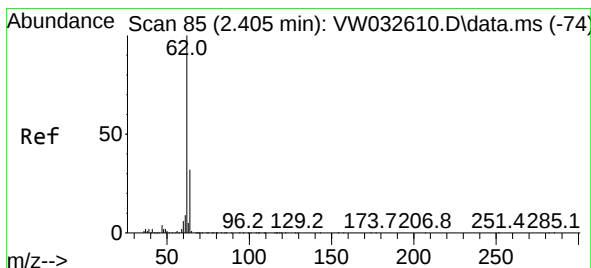
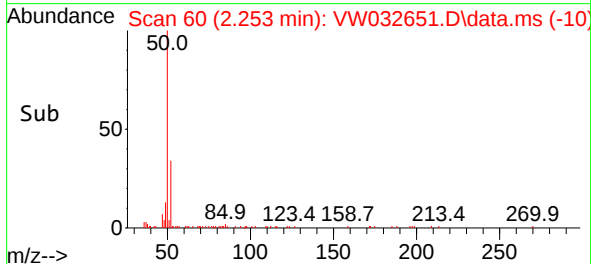
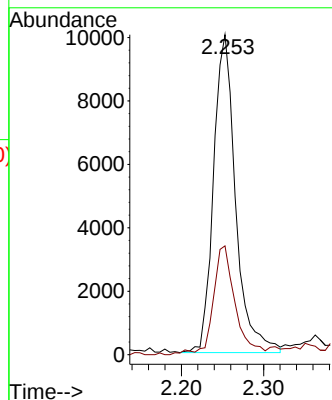
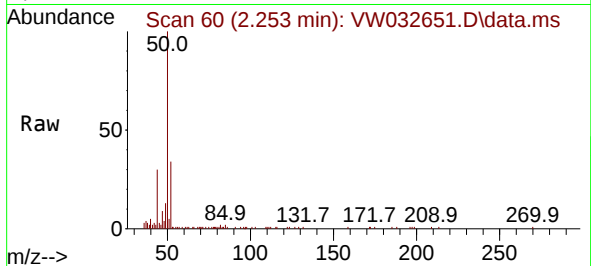




#3
Chloromethane
Concen: 5.613 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

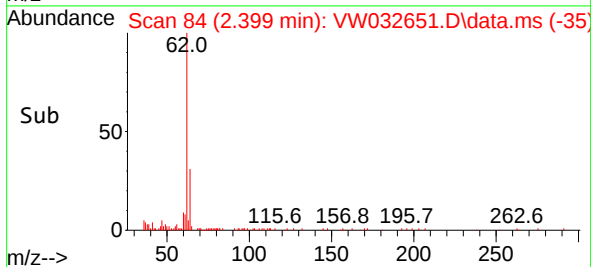
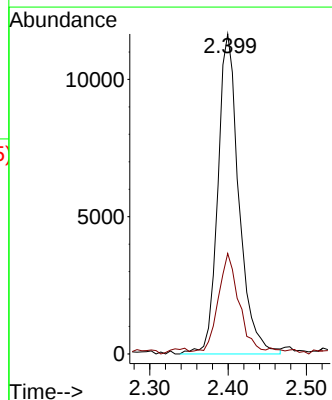
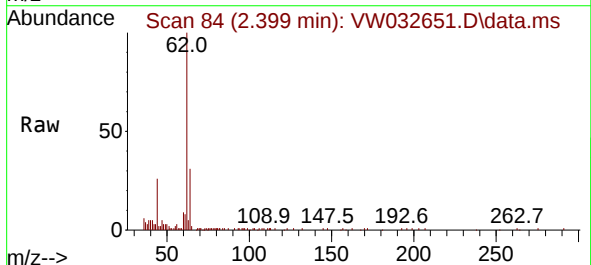
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

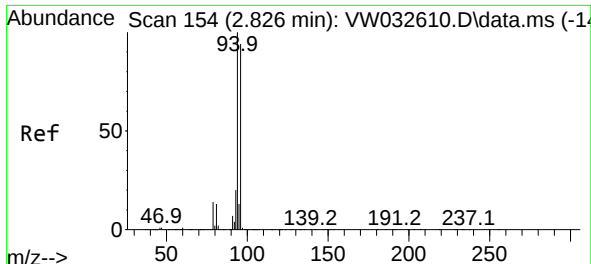
Tgt Ion: 50 Resp: 18732
Ion Ratio Lower Upper
50 100
52 33.7 26.6 40.0



#4
Vinyl Chloride
Concen: 5.161 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 62 Resp: 21825
Ion Ratio Lower Upper
62 100
64 30.3 25.3 37.9

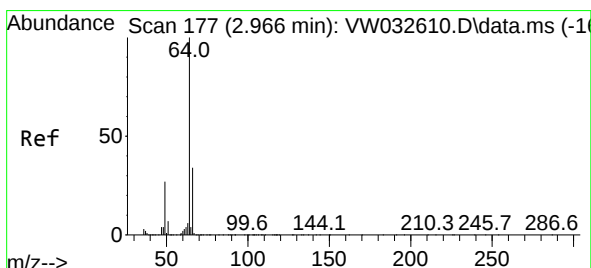
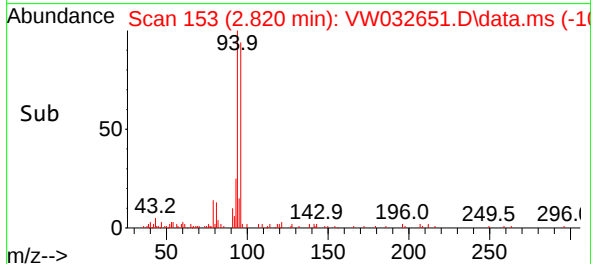
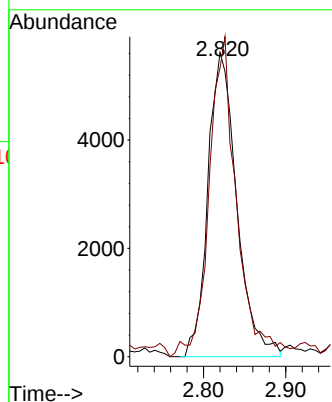
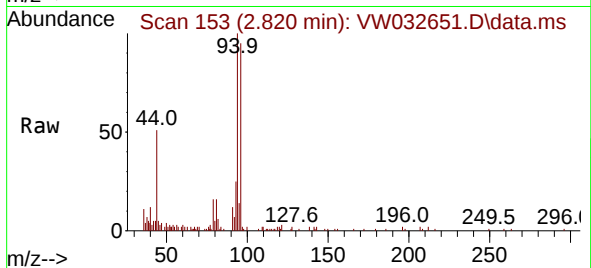




#5
Bromomethane
Concen: 4.965 ug/l
RT: 2.820 min Scan# 154
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

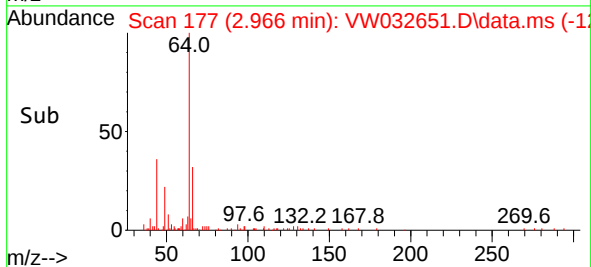
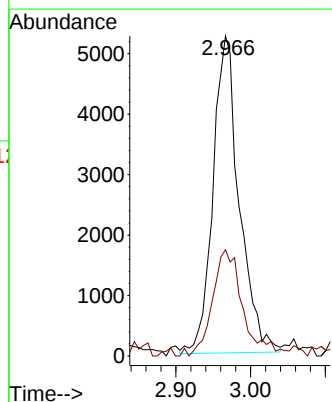
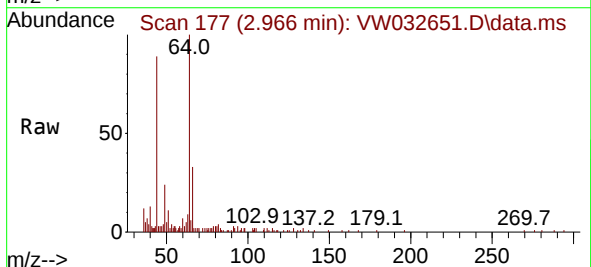
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

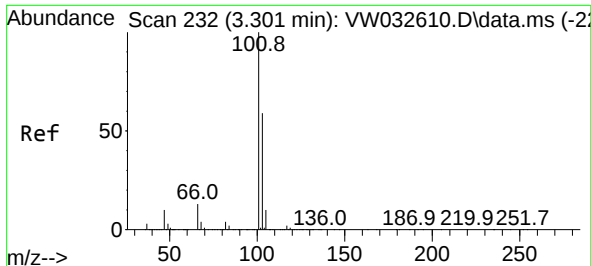
Tgt Ion: 94 Resp: 13721
Ion Ratio Lower Upper
94 100
96 90.3 75.4 113.2



#6
Chloroethane
Concen: 4.698 ug/l
RT: 2.966 min Scan# 177
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 64 Resp: 12821
Ion Ratio Lower Upper
64 100
66 33.8 27.3 40.9

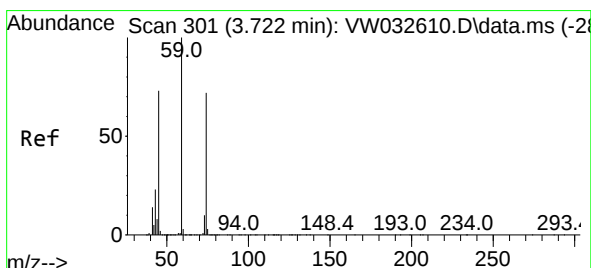
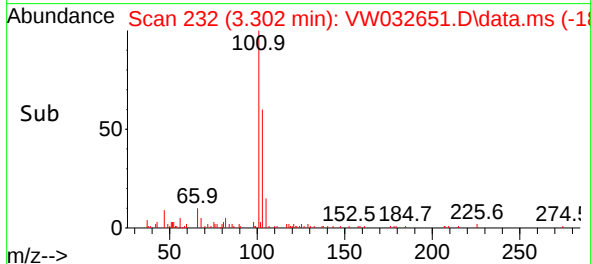
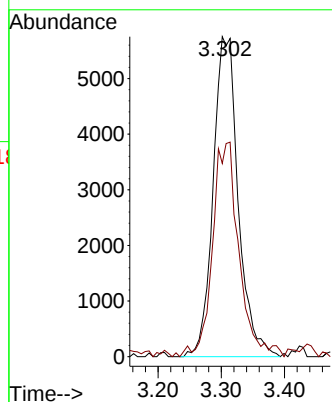
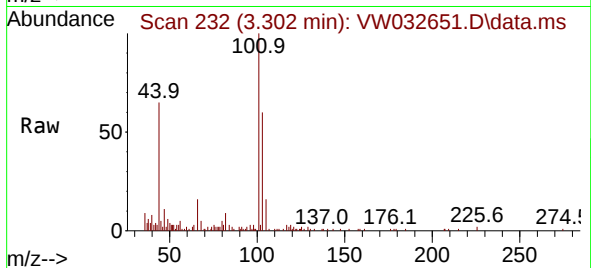




#7
 Trichlorofluoromethane
 Concen: 4.277 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

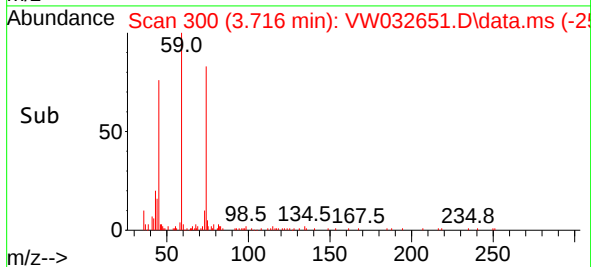
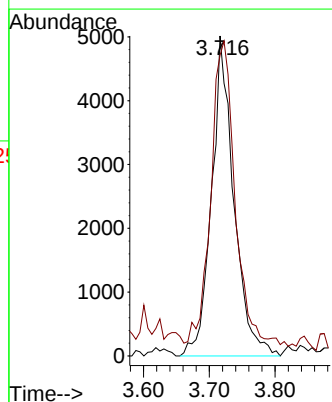
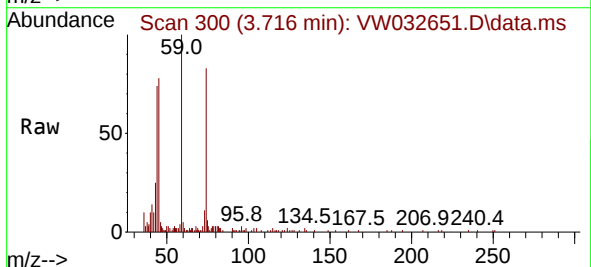
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

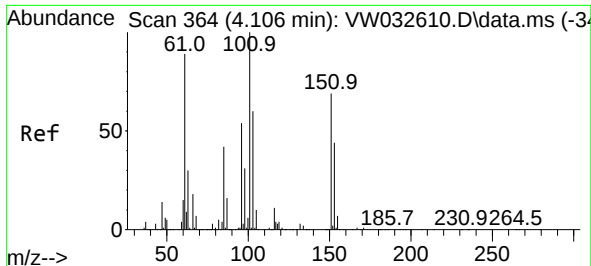
Tgt Ion:101 Resp: 15811
 Ion Ratio Lower Upper
 101 100
 103 60.4 47.3 70.9



#8
 Diethyl Ether
 Concen: 5.061 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. -0.000 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

Tgt Ion: 74 Resp: 11851
 Ion Ratio Lower Upper
 74 100
 45 103.8 52.4 157.2

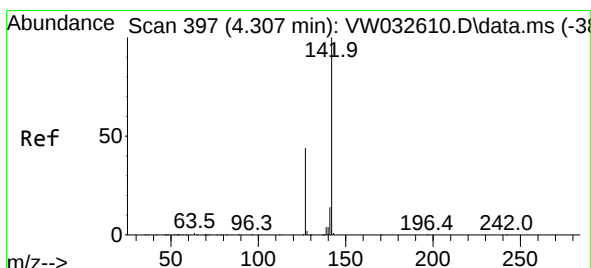
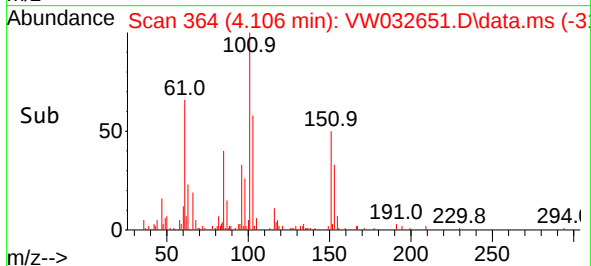
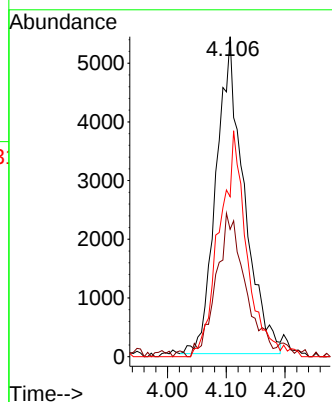
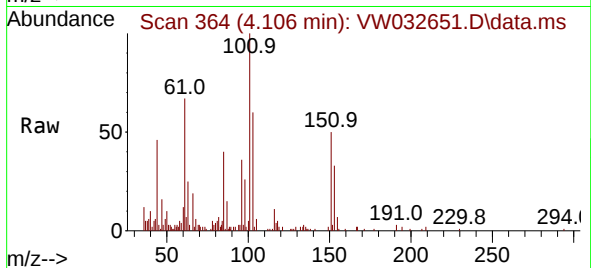




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.843 ug/l
RT: 4.106 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

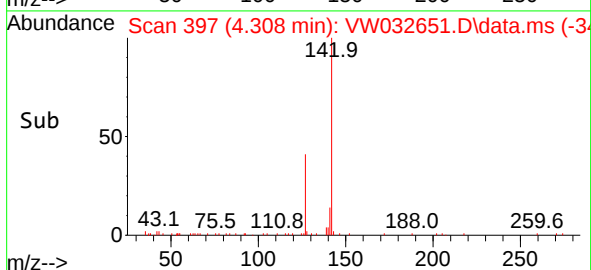
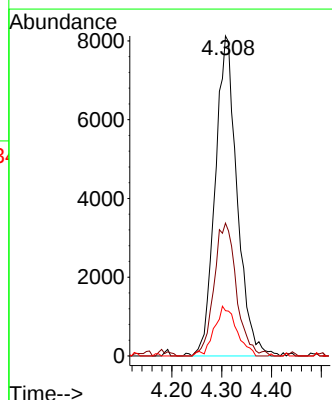
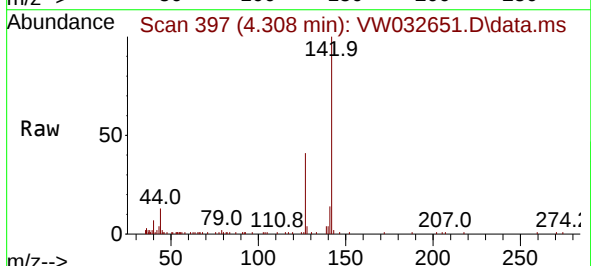
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

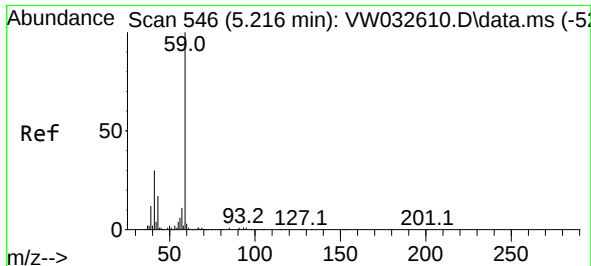
Tgt Ion:101 Resp: 17823
Ion Ratio Lower Upper
101 100
85 47.2 35.4 53.2
151 70.2 56.7 85.1



#10
Methyl Iodide
Concen: 4.773 ug/l
RT: 4.308 min Scan# 397
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion:142 Resp: 24811
Ion Ratio Lower Upper
142 100
127 42.1 36.0 54.0
141 15.8 11.6 17.4

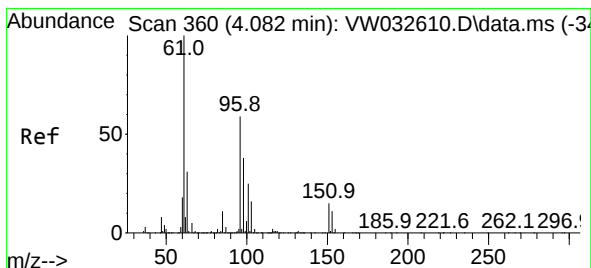
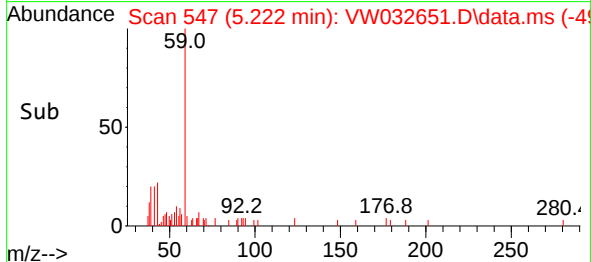
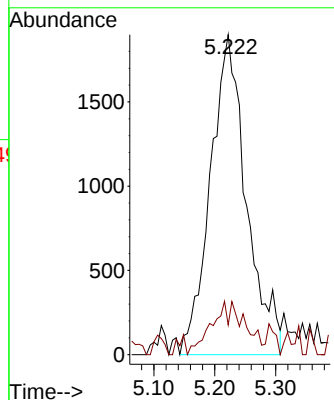
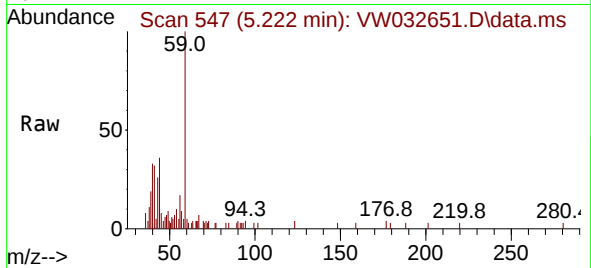




#11
Tert butyl alcohol
Concen: 25.496 ug/l
RT: 5.222 min Scan# 546
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

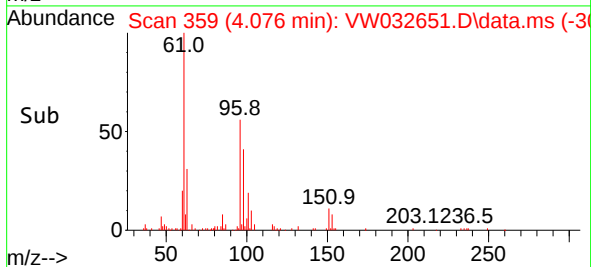
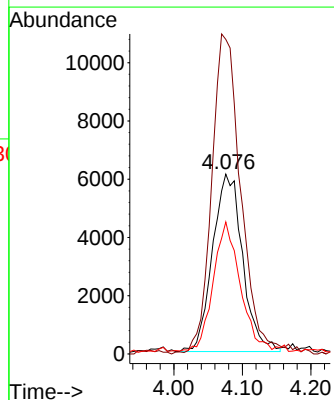
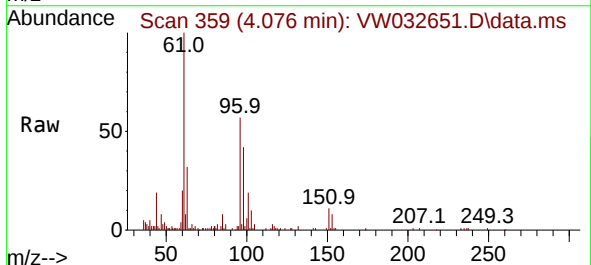
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

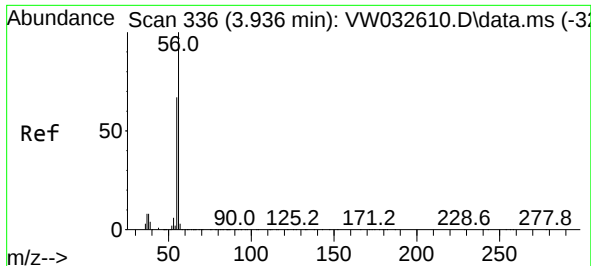
Tgt Ion: 59 Resp: 7803
Ion Ratio Lower Upper
59 100
57 5.3 9.4 14.0#



#12
1,1-Dichloroethene
Concen: 4.789 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 96 Resp: 18513
Ion Ratio Lower Upper
96 100
61 176.1 134.6 202.0
98 72.6 51.1 76.7

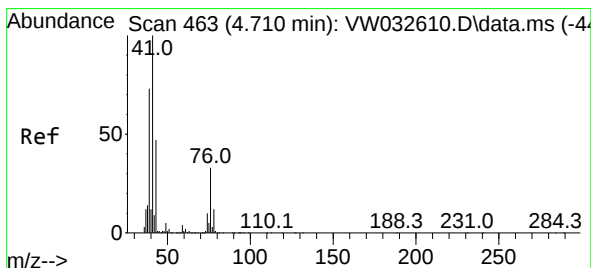
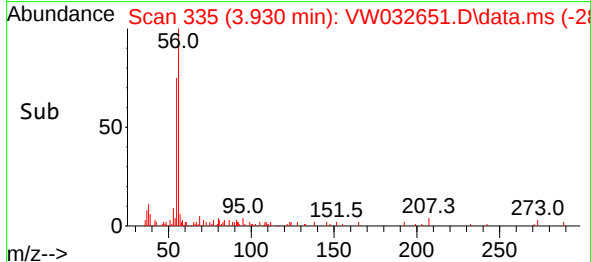
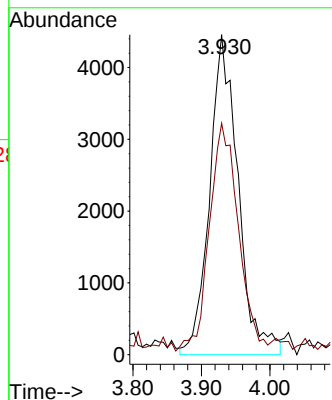
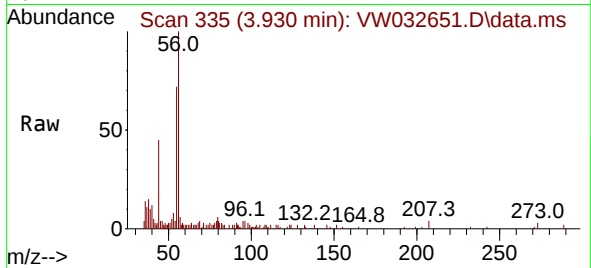




#13
Acrolein
Concen: 29.317 ug/l
RT: 3.930 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

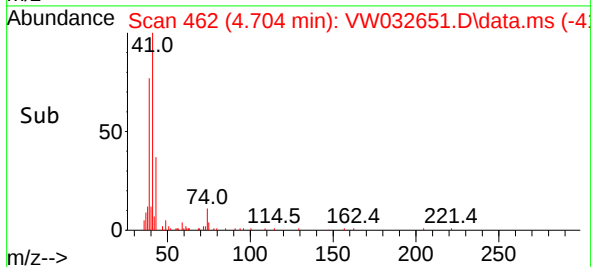
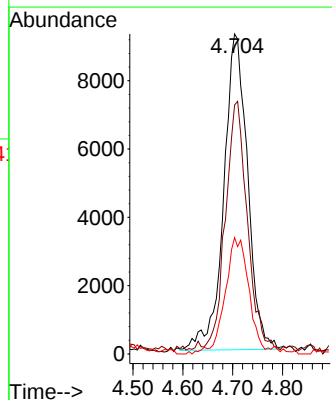
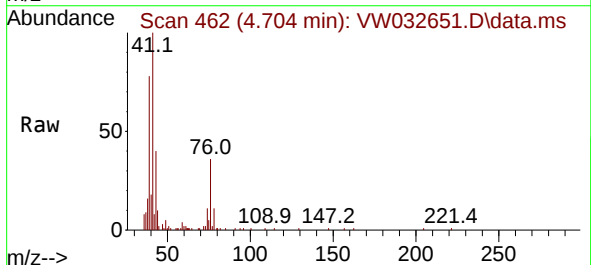
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

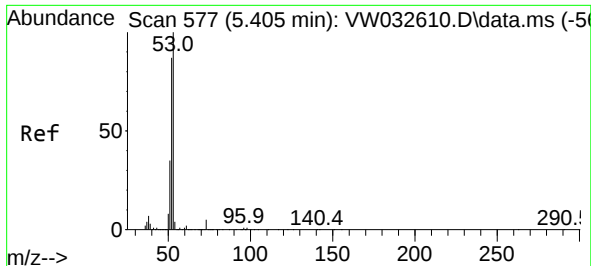
Tgt Ion: 56 Resp: 12821
Ion Ratio Lower Upper
56 100
55 72.4 56.0 84.0



#14
Allyl chloride
Concen: 4.375 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 41 Resp: 30753
Ion Ratio Lower Upper
41 100
39 74.1 54.2 81.2
76 36.9 26.3 39.5

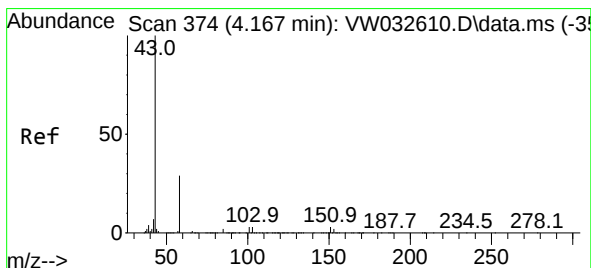
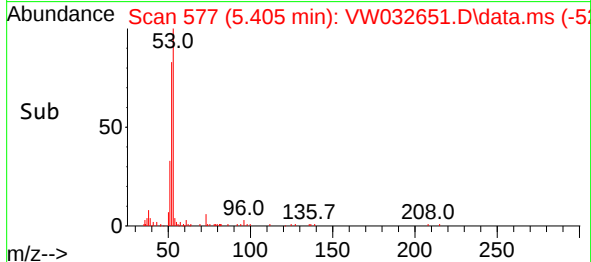
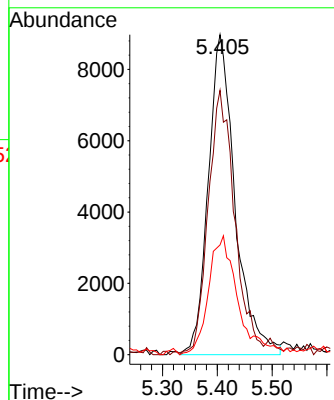
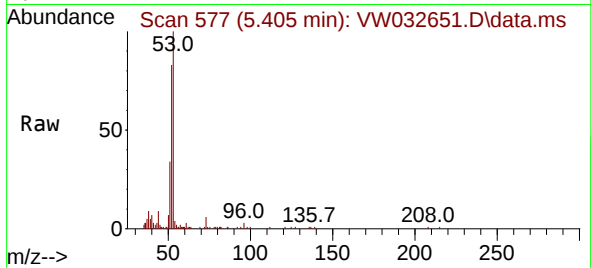




#15
Acrylonitrile
Concen: 23.688 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

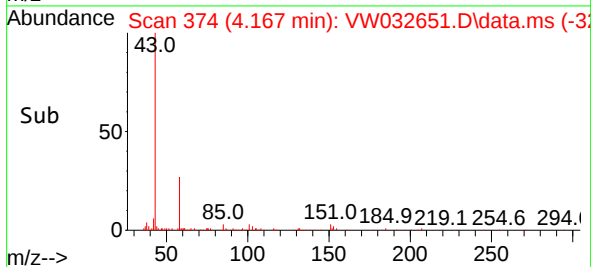
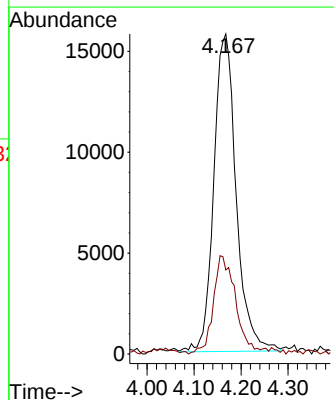
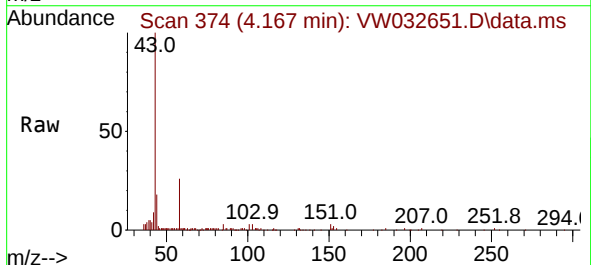
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

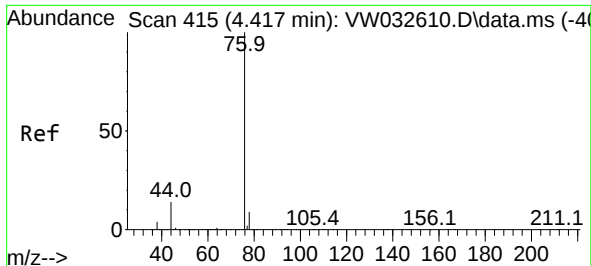
Tgt Ion: 53 Resp: 30525
Ion Ratio Lower Upper
53 100
52 81.5 66.7 100.1
51 41.0 29.8 44.6



#16
Acetone
Concen: 32.682 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 43 Resp: 52040
Ion Ratio Lower Upper
43 100
58 26.1 23.9 35.9

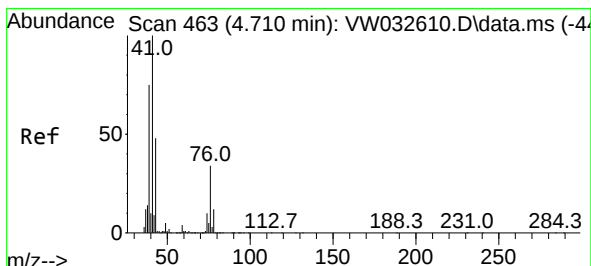
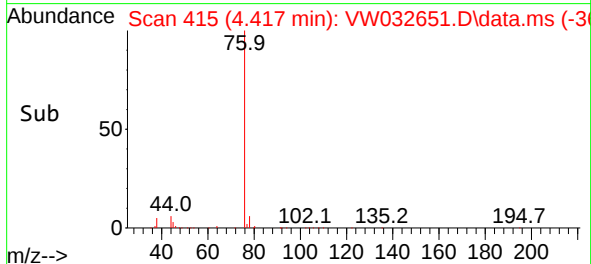
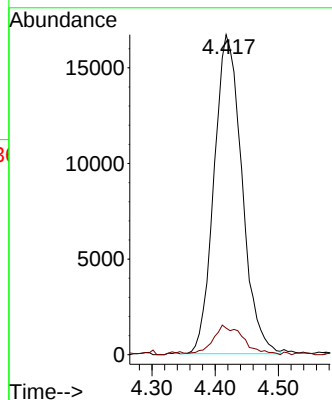
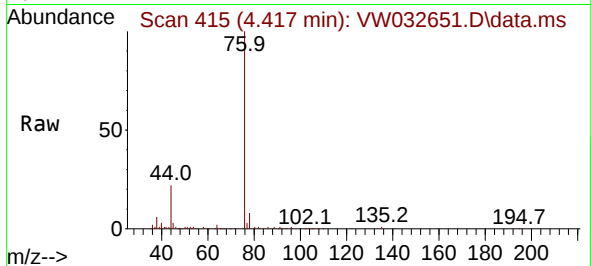




#17
Carbon Disulfide
Concen: 4.690 ug/l
RT: 4.417 min Scan# 415
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

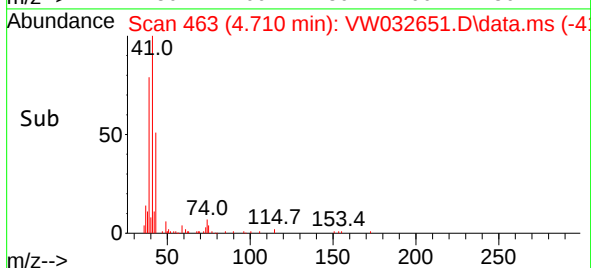
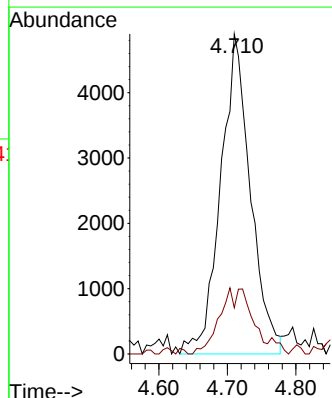
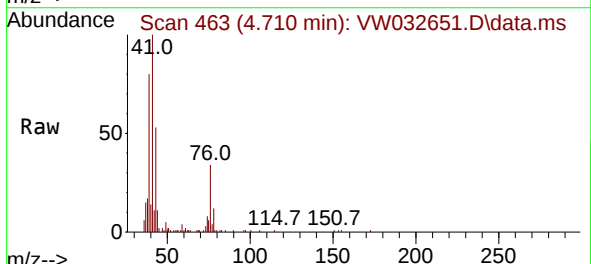
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

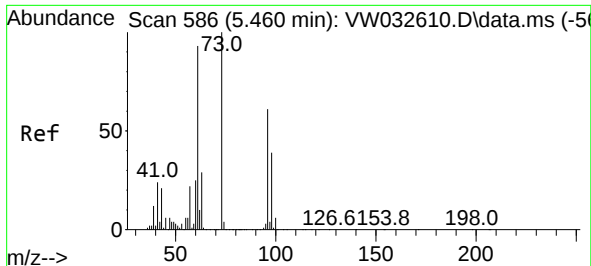
Tgt Ion: 76 Resp: 50998
Ion Ratio Lower Upper
76 100
78 8.3 6.8 10.2



#18
Methyl Acetate
Concen: 4.860 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 43 Resp: 14834
Ion Ratio Lower Upper
43 100
74 11.0 18.2 27.4#

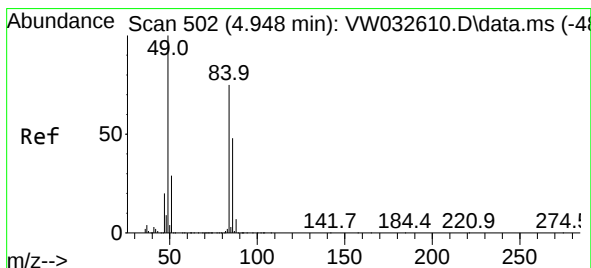
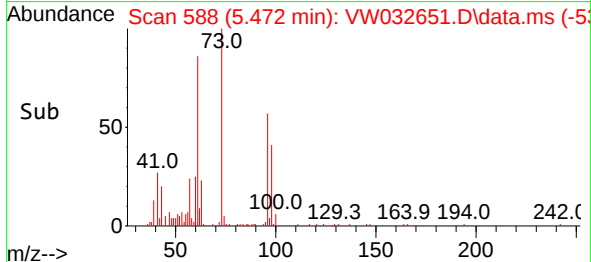
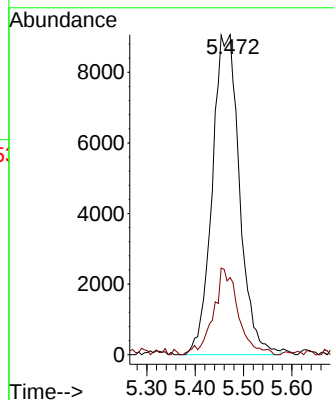
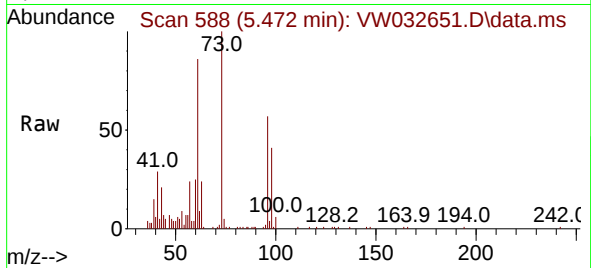




#19
Methyl tert-butyl Ether
Concen: 4.500 ug/l
RT: 5.472 min Scan# 51
Delta R.T. 0.018 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

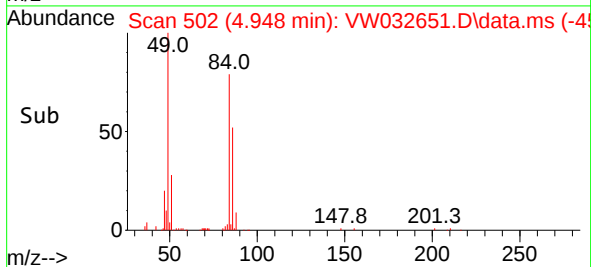
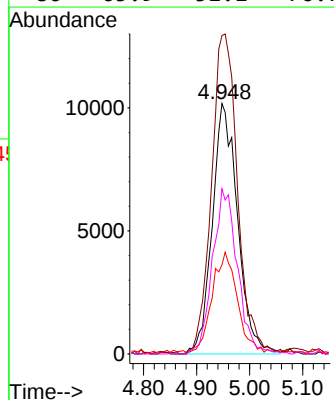
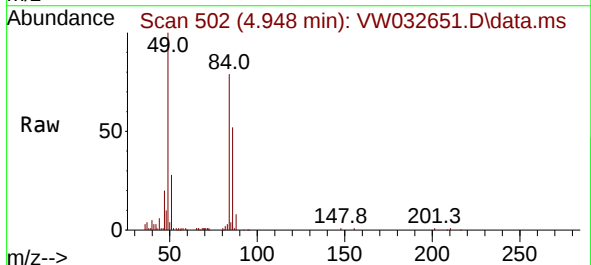
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

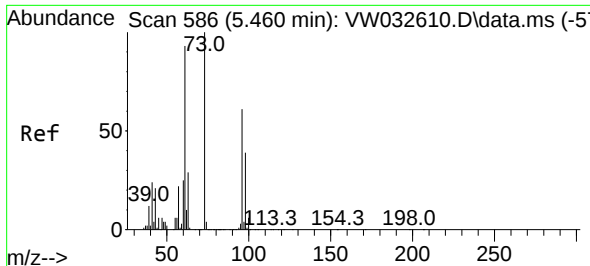
Tgt Ion: 73 Resp: 35523
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9



#20
Methylene Chloride
Concen: 3.117 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 84 Resp: 33739
Ion Ratio Lower Upper
84 100
49 127.1 106.9 160.3
51 34.6 31.4 47.2
86 65.9 51.1 76.7

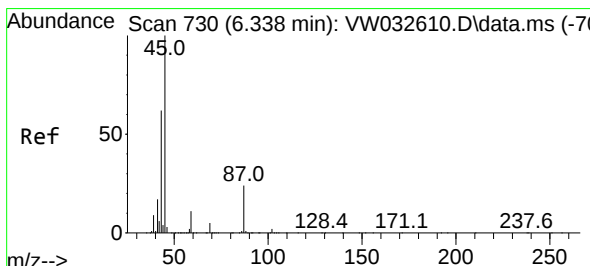
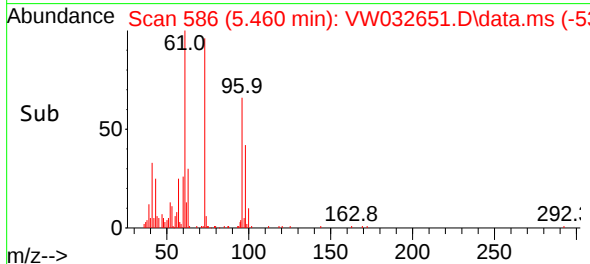
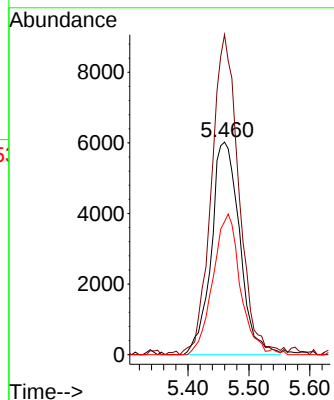
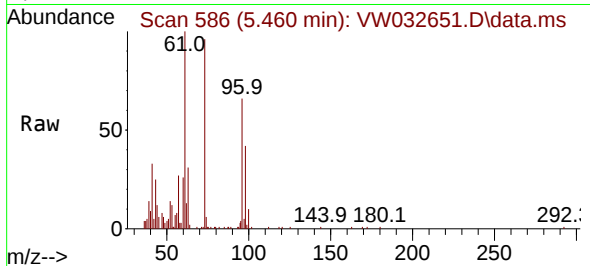




#21
trans-1,2-Dichloroethene
Concen: 4.656 ug/l
RT: 5.460 min Scan# 51
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

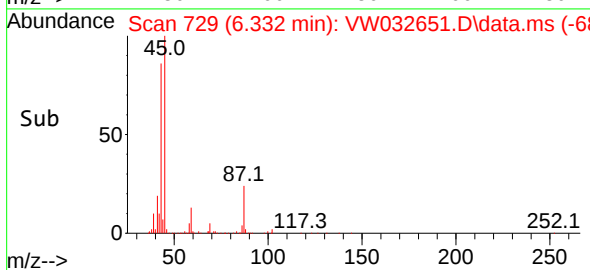
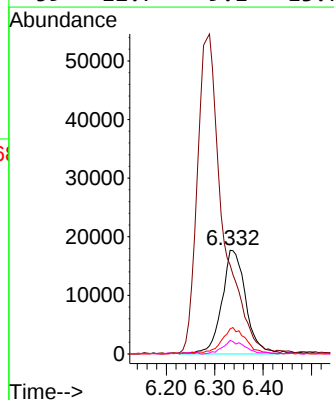
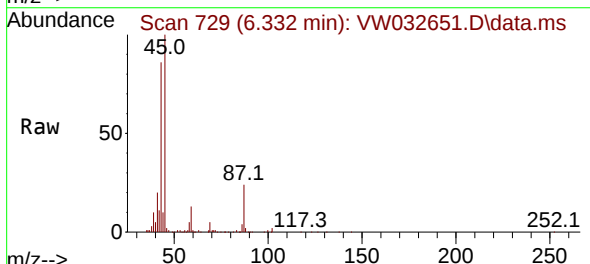
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

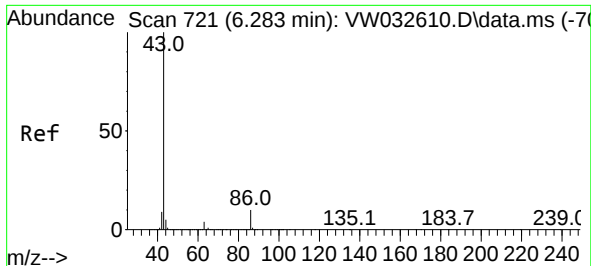
Tgt Ion: 96 Resp: 19469
Ion Ratio Lower Upper
96 100
61 150.5 121.7 182.5
98 62.5 50.6 76.0



#22
Diisopropyl ether
Concen: 4.281 ug/l
RT: 6.332 min Scan# 729
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 45 Resp: 60617
Ion Ratio Lower Upper
45 100
43 84.5 49.1 73.7#
87 23.7 19.7 29.5
59 12.7 9.1 13.7





#23
Vinyl Acetate
Concen: 20.972 ug/l
RT: 6.289 min Scan# 715
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

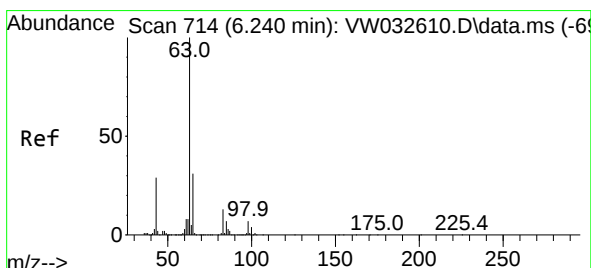
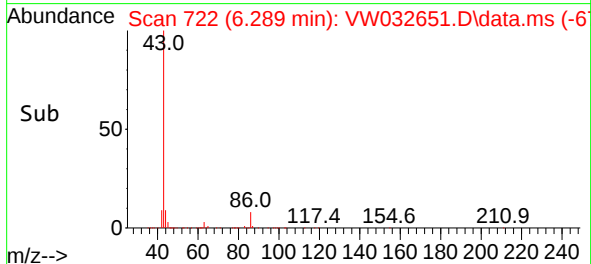
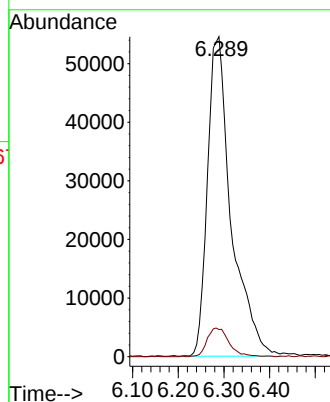
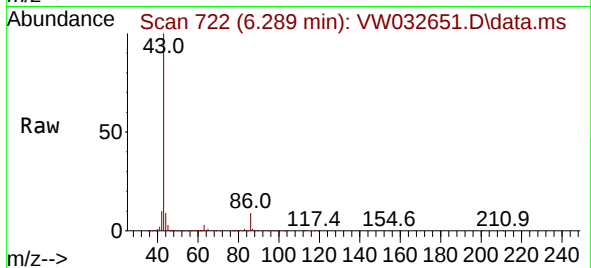
Instrument :

MSVOA_W

ClientSampleId :

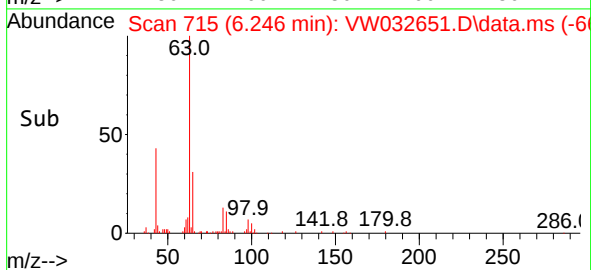
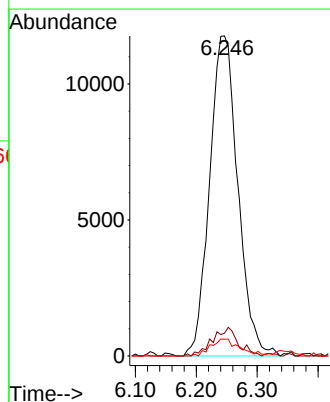
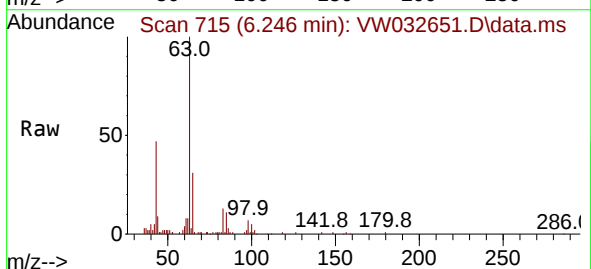
VSTDICC005

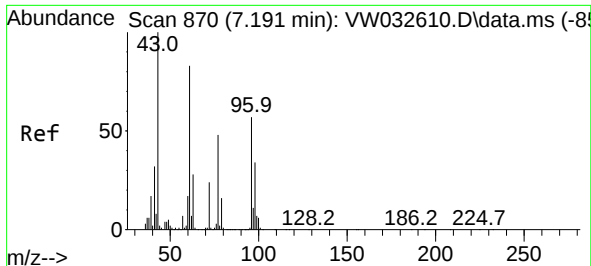
Tgt Ion: 43 Resp: 197217
Ion Ratio Lower Upper
43 100
86 8.5 8.0 12.0



#24
1,1-Dichloroethane
Concen: 4.618 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 63 Resp: 37955
Ion Ratio Lower Upper
63 100
98 7.1 3.5 10.4
100 4.7 2.1 6.5

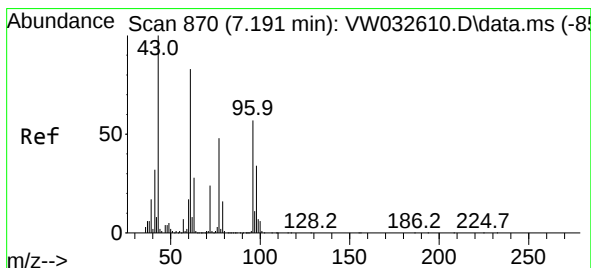
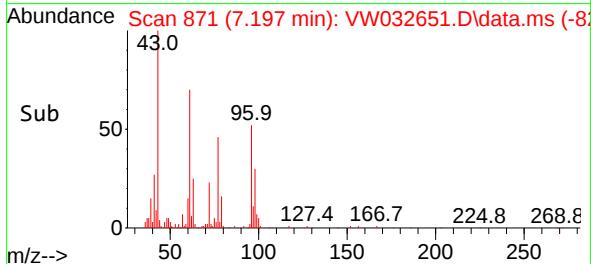
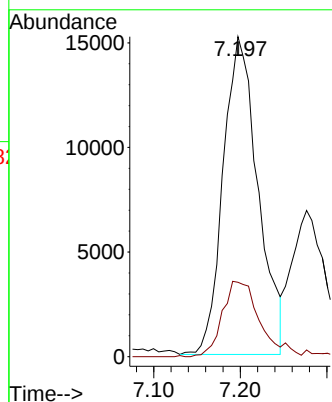
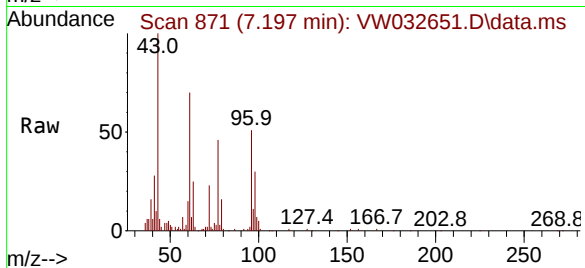




#25
2-Butanone
Concen: 23.472 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

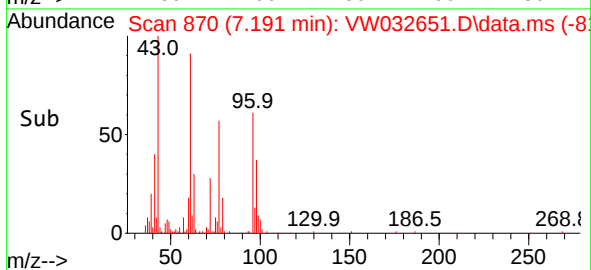
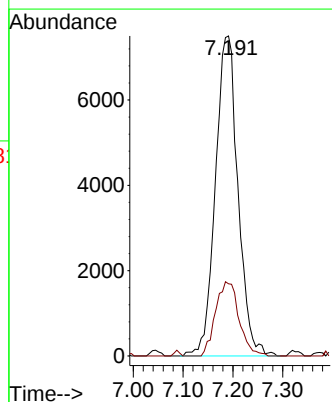
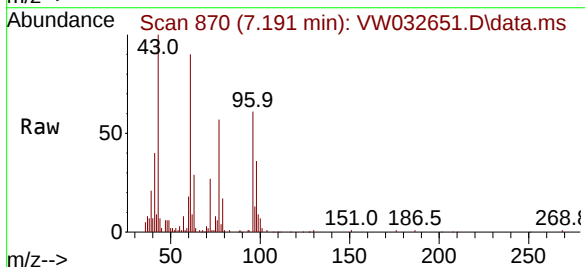
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

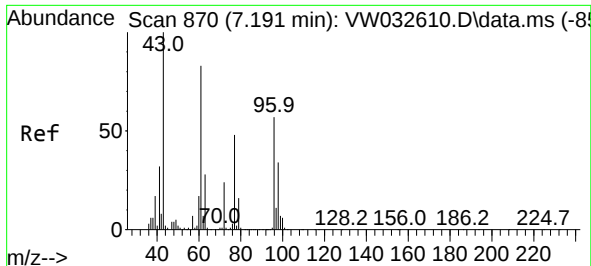
Tgt Ion: 43 Resp: 42484
Ion Ratio Lower Upper
43 100
72 23.1 19.4 29.0



#26
2,2-Dichloropropane
Concen: 4.800 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 77 Resp: 23616
Ion Ratio Lower Upper
77 100
97 24.1 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 4.621 ug/l

RT: 7.185 min Scan# 8

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

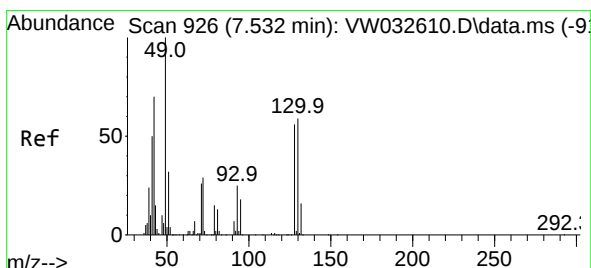
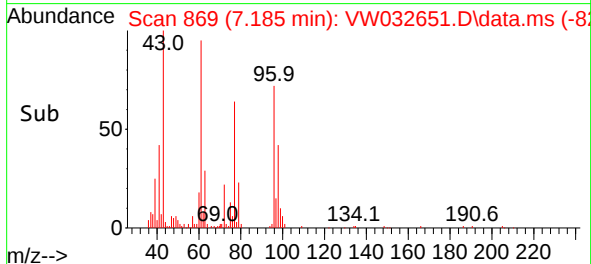
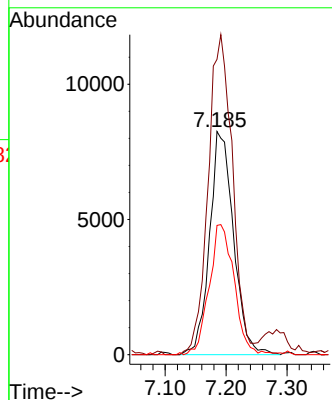
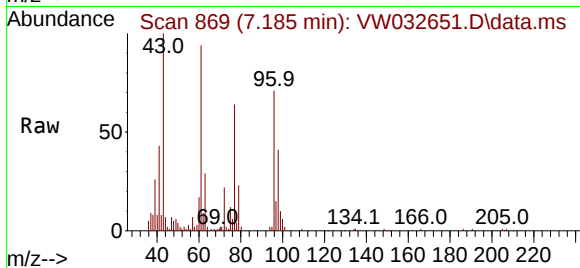
Tgt Ion: 96 Resp: 22586

Ion Ratio Lower Upper

96 100

61 145.6 0.0 295.8

98 60.8 0.0 127.2



#28

Bromochloromethane

Concen: 4.595 ug/l

RT: 7.533 min Scan# 926

Delta R.T. 0.012 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

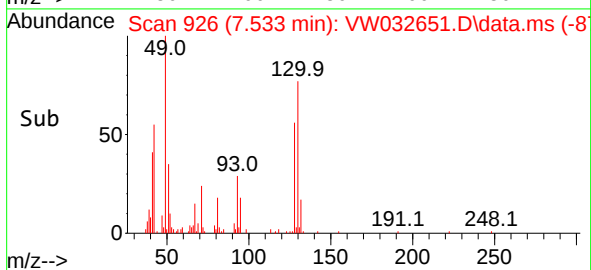
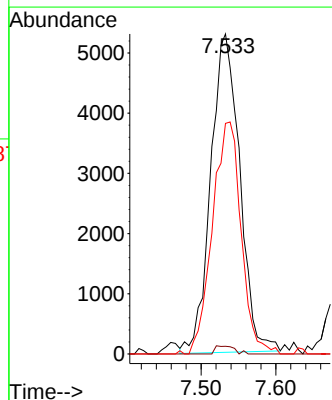
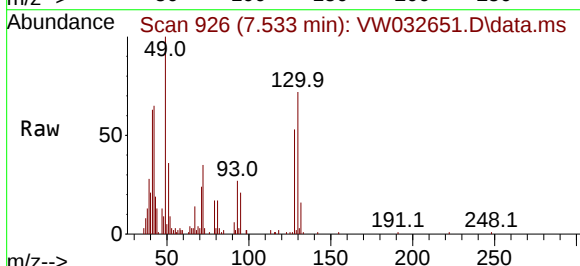
Tgt Ion: 49 Resp: 14291

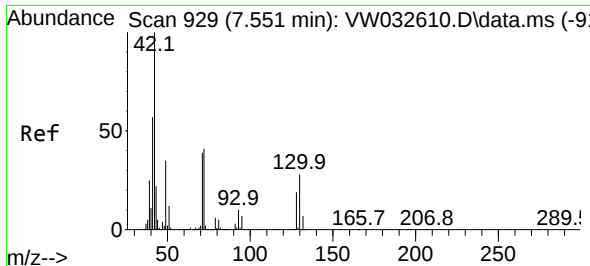
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 72.1 53.3 79.9

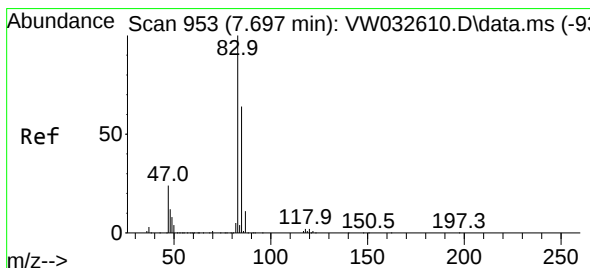
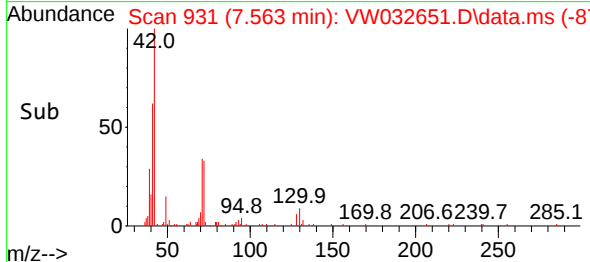
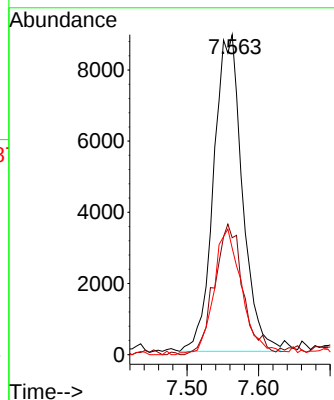
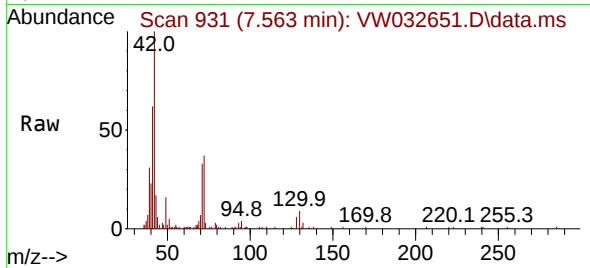




#29
Tetrahydrofuran
Concen: 22.732 ug/l
RT: 7.563 min Scan# 911
Delta R.T. 0.018 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

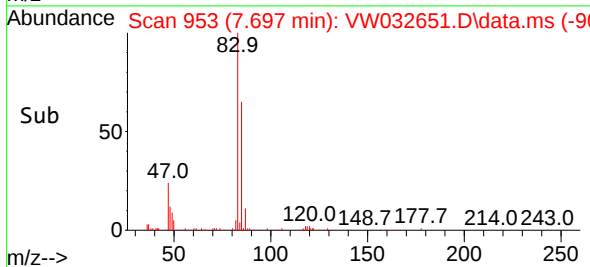
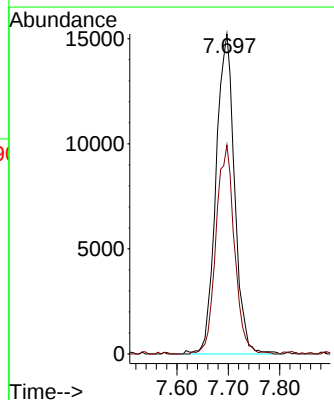
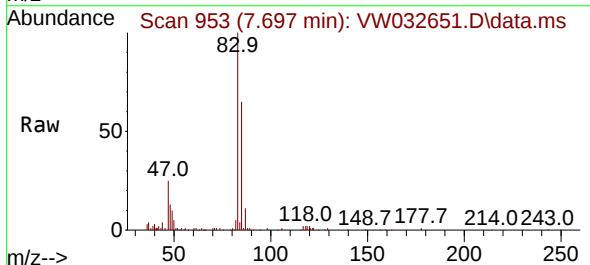
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

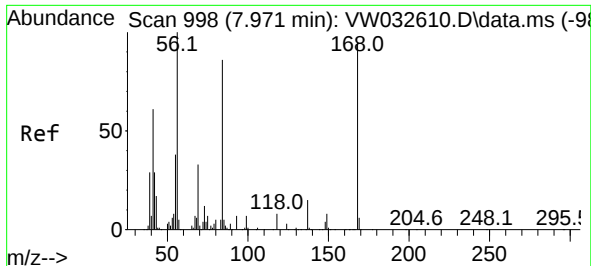
Tgt Ion: 42 Resp: 24780
Ion Ratio Lower Upper
42 100
72 41.2 33.2 49.8
71 39.3 30.7 46.1



#30
Chloroform
Concen: 4.667 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 83 Resp: 38175
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.2

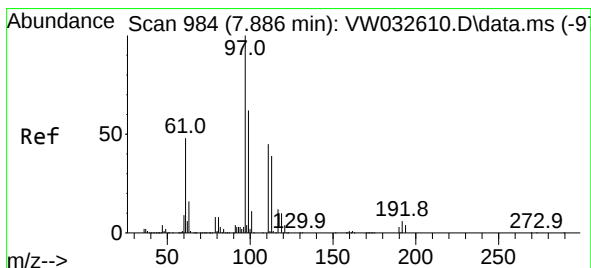
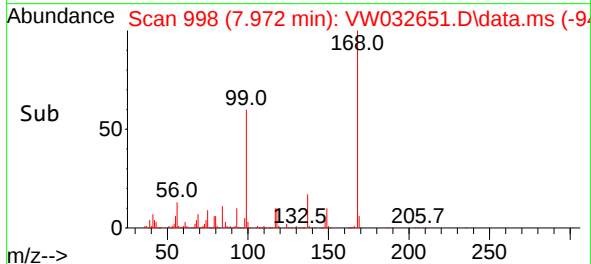
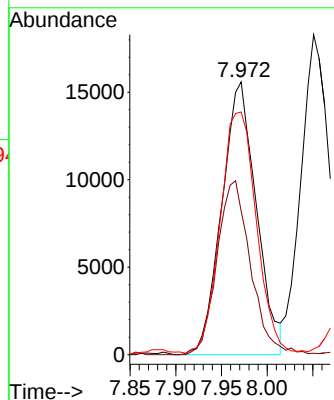
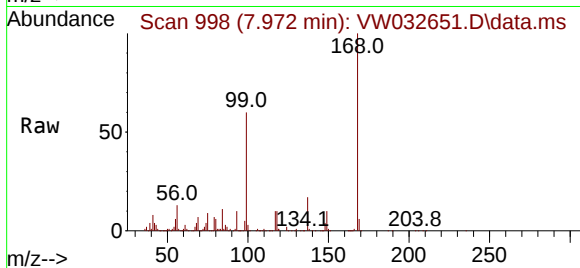




#31
Cyclohexane
Concen: 5.383 ug/l
RT: 7.972 min Scan# 998
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

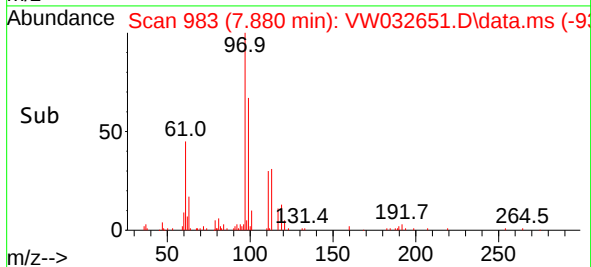
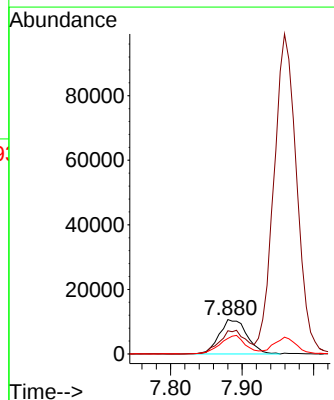
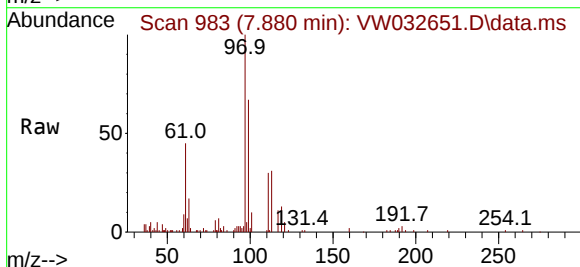
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

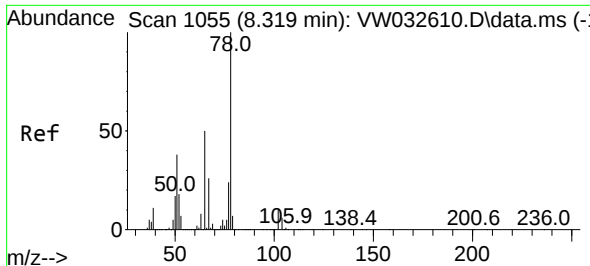
Tgt Ion: 56 Resp: 41013
Ion Ratio Lower Upper
56 100
69 52.6 26.2 39.2#
84 87.6 68.9 103.3



#32
1,1,1-Trichloroethane
Concen: 4.627 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 97 Resp: 28825
Ion Ratio Lower Upper
97 100
99 65.7 50.8 76.2
61 48.5 37.8 56.8

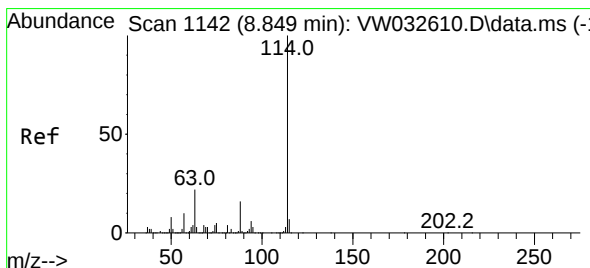
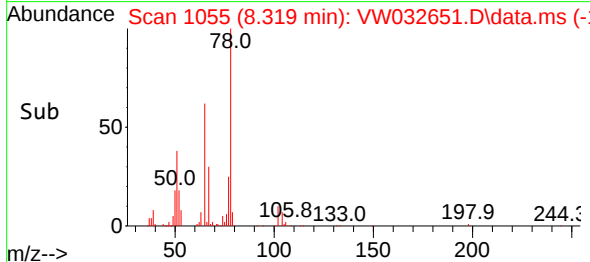
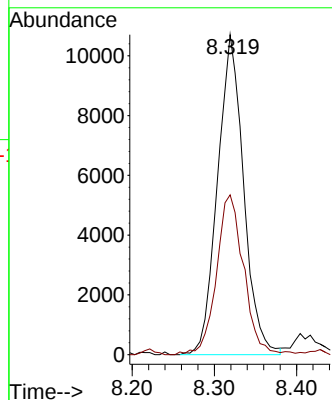
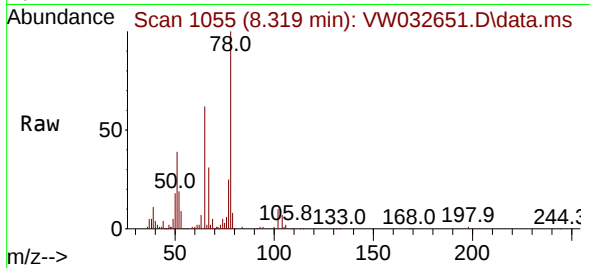




#33
 1,2-Dichloroethane-d4
 Concen: 5.086 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.006 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

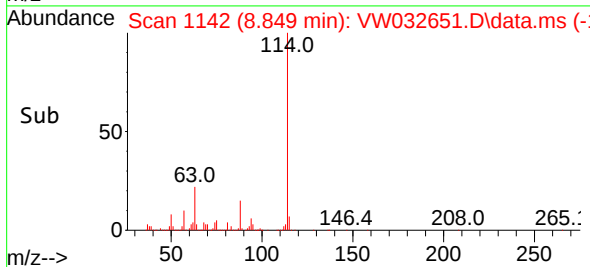
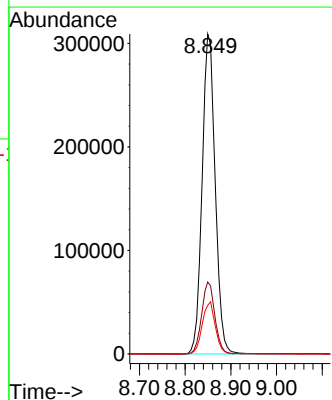
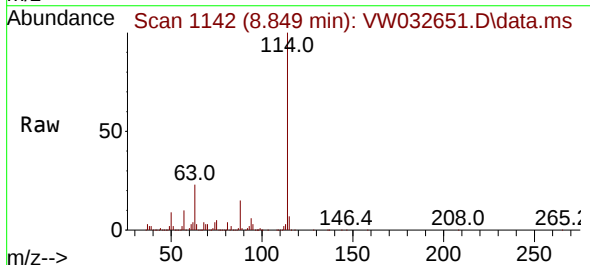
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

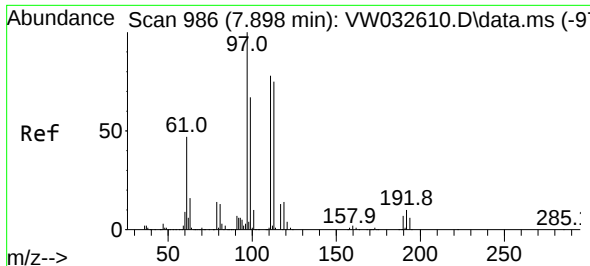
Tgt Ion: 65 Resp: 23577
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

Tgt Ion: 114 Resp: 616231
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.6
 88 15.2 0.0 31.8

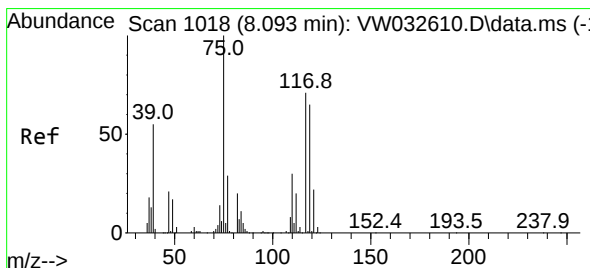
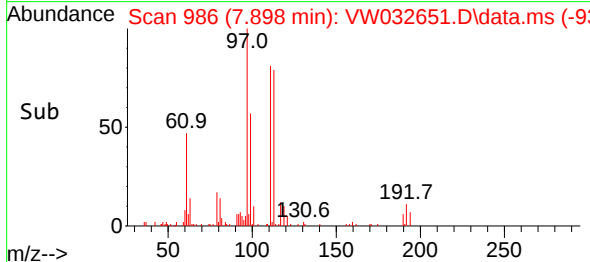
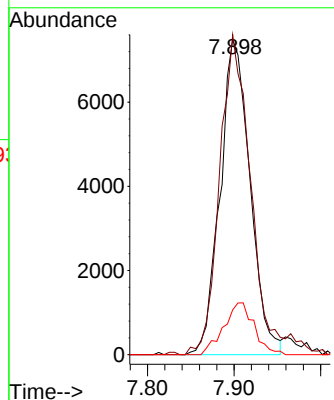
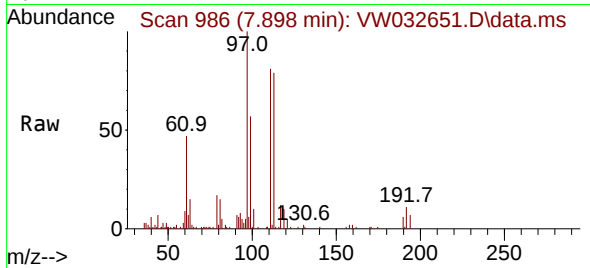




#35
 Dibromofluoromethane
 Concen: 4.501 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

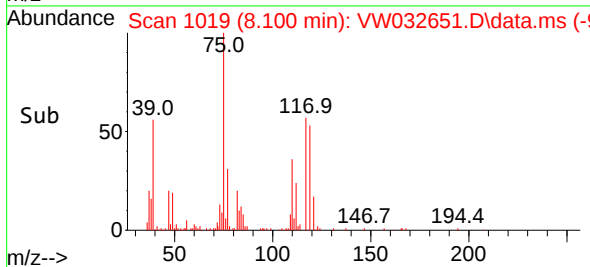
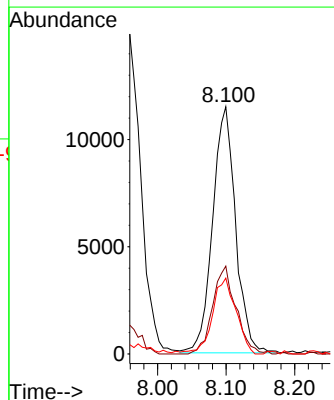
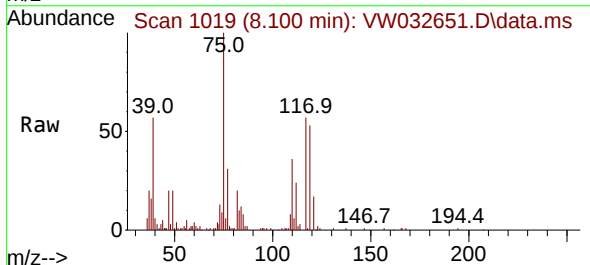
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

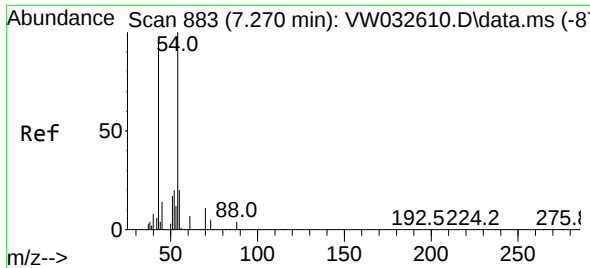
Tgt Ion:113 Resp: 18023
 Ion Ratio Lower Upper
 113 100
 111 107.2 85.2 127.8
 192 16.6 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.314 ug/l
 RT: 8.100 min Scan# 1019
 Delta R.T. 0.006 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

Tgt Ion: 75 Resp: 26751
 Ion Ratio Lower Upper
 75 100
 110 36.2 16.3 48.9
 77 31.9 24.6 37.0

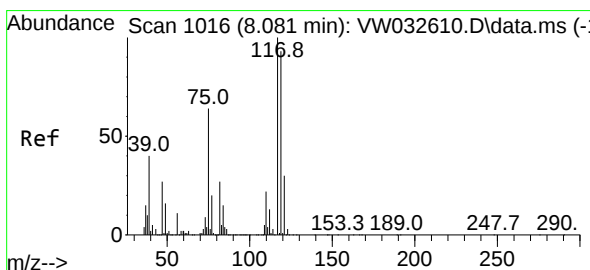
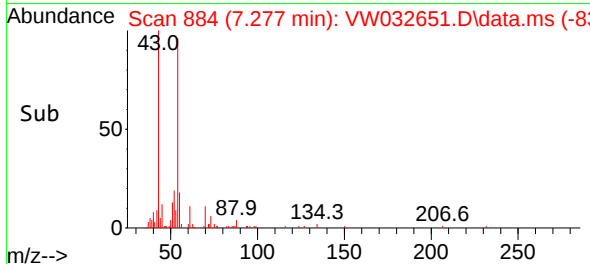
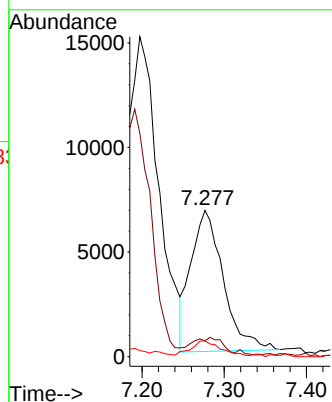
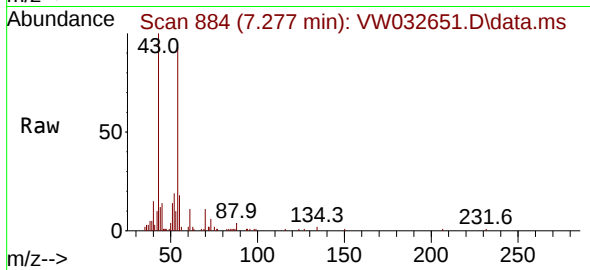




#37
Ethyl Acetate
Concen: 4.503 ug/l
RT: 7.277 min Scan# 884
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

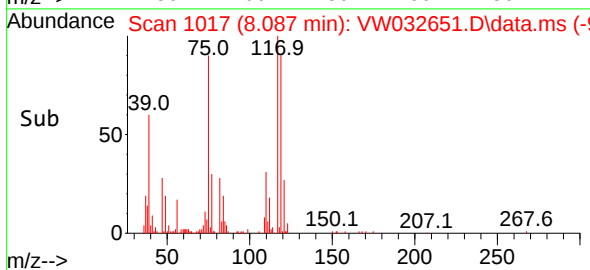
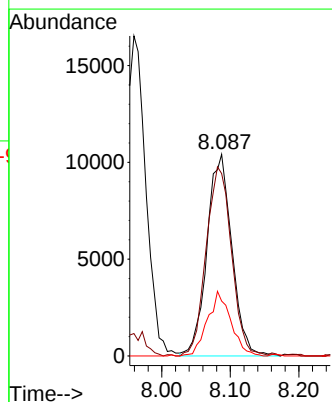
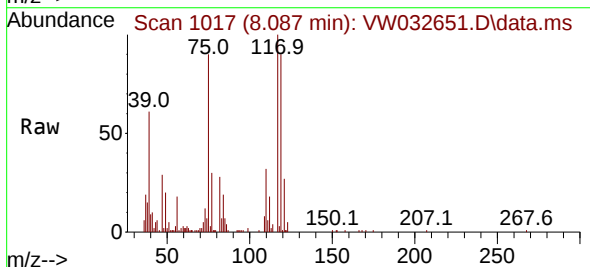
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

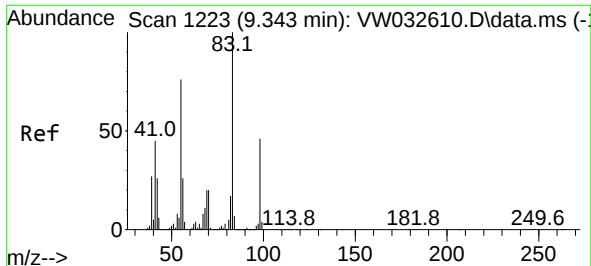
Tgt Ion: 43 Resp: 18547
Ion Ratio Lower Upper
43 100
61 10.4 10.3 15.5
70 10.5 7.7 11.5



#38
Carbon Tetrachloride
Concen: 4.493 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.012 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 117 Resp: 26379
Ion Ratio Lower Upper
117 100
119 90.5 74.3 111.5
121 27.2 23.6 35.4

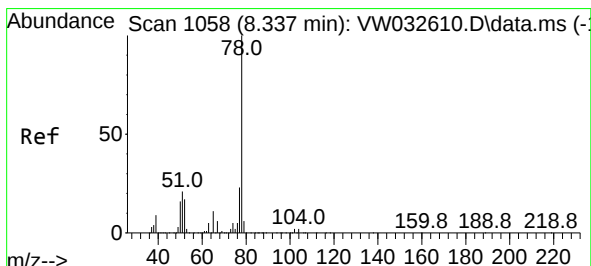
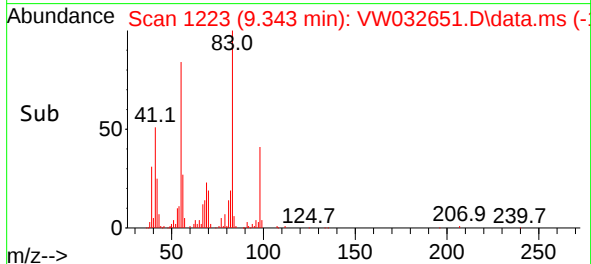
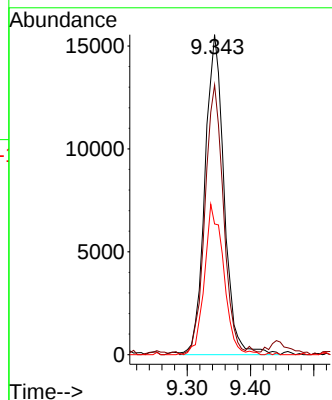
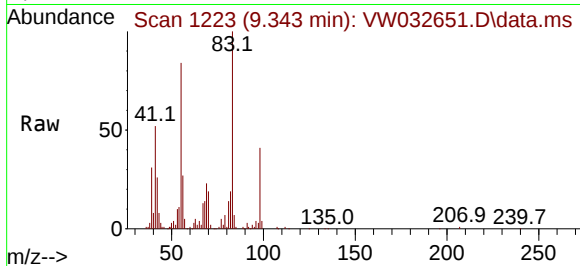




#39
Methylcyclohexane
Concen: 4.231 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

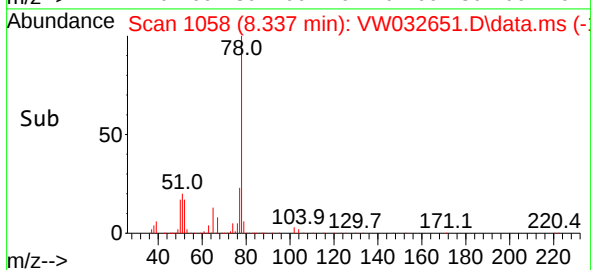
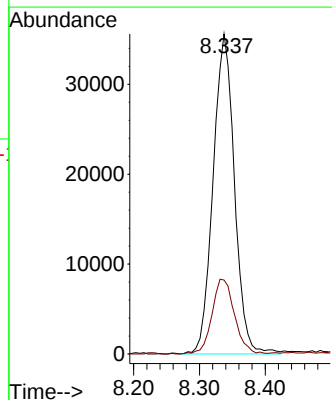
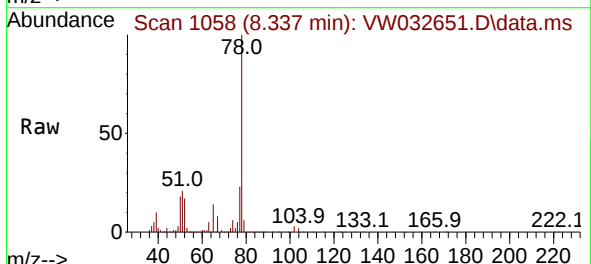
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

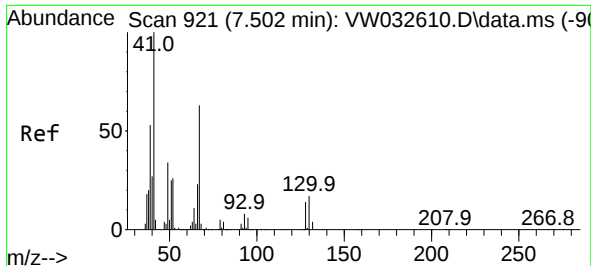
Tgt Ion: 83	Resp: 32863
Ion Ratio	Lower Upper
83 100	
55 84.3	61.2 91.8
98 40.8	37.0 55.4



#40
Benzene
Concen: 4.320 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 78	Resp:	80466	
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0

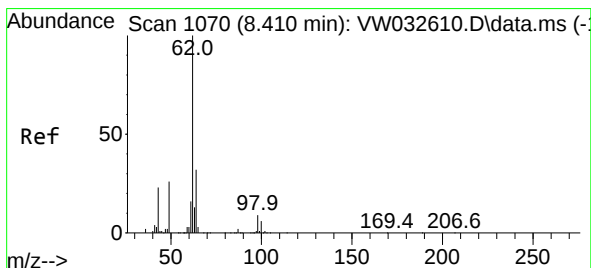
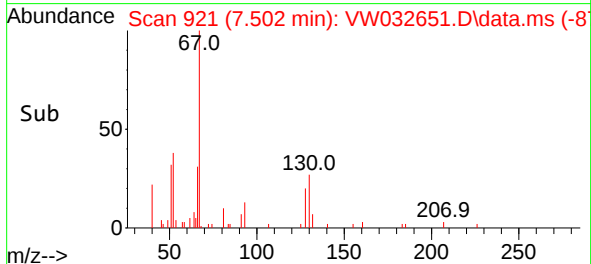
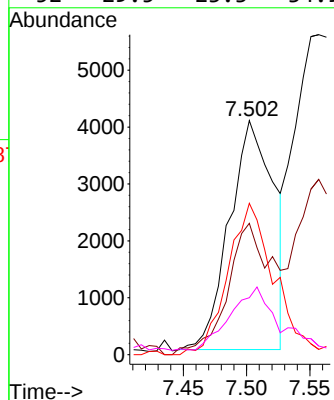
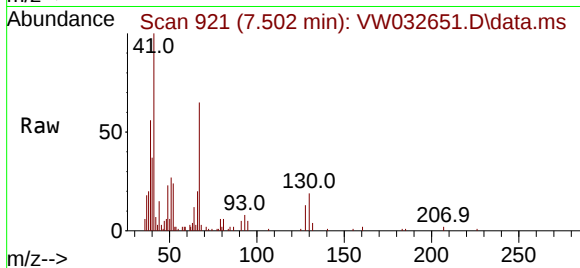




#41
Methacrylonitrile
Concen: 4.287 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

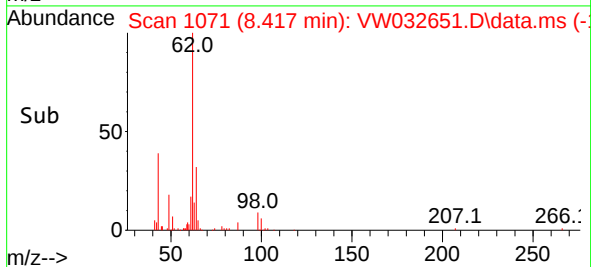
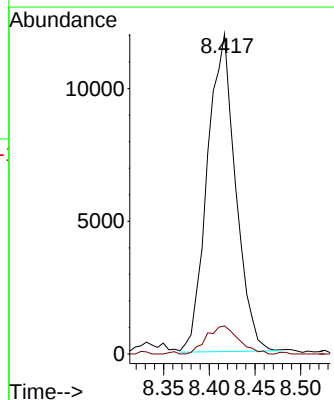
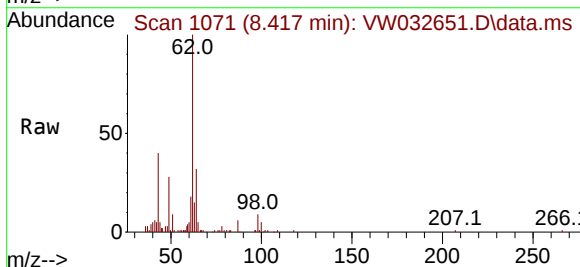
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

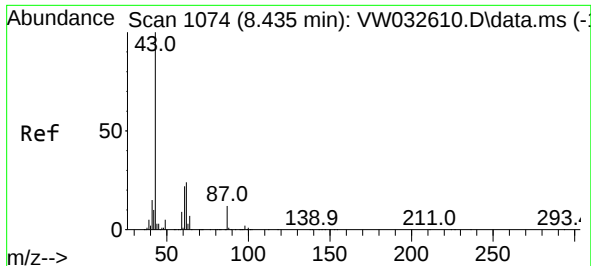
Tgt Ion: 41	Resp: 9788
Ion Ratio	Lower Upper
41 100	
39 57.1	47.3 70.9
67 68.5	55.9 83.9
52 29.5	23.3 34.9



#42
1,2-Dichloroethane
Concen: 4.371 ug/l
RT: 8.417 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 62	Resp: 25764
Ion Ratio	Lower Upper
62 100	
98 10.0	0.0 18.8

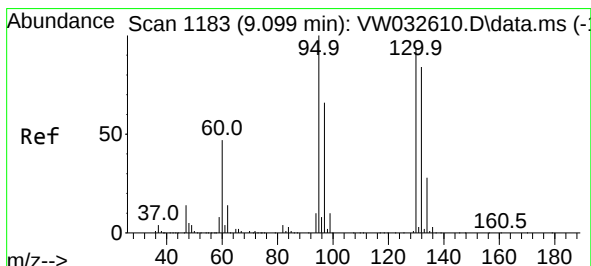
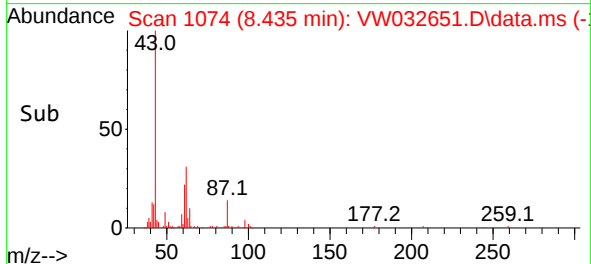
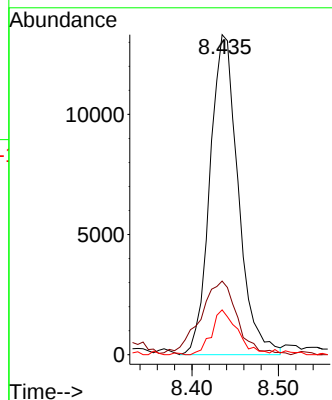
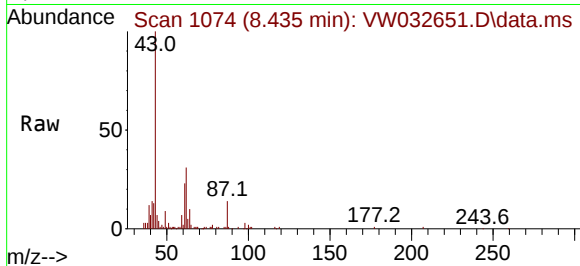




#43
Isopropyl Acetate
Concen: 4.213 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

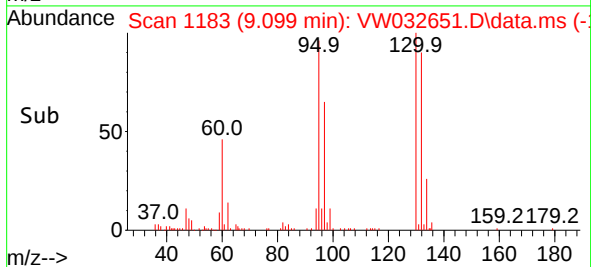
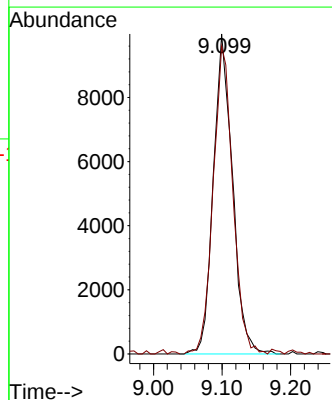
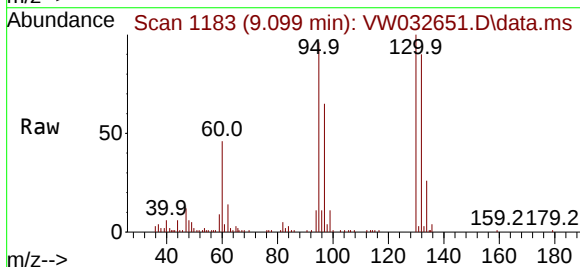
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

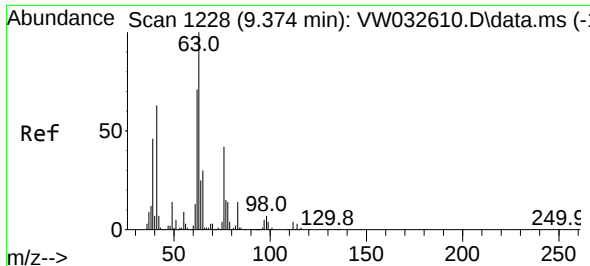
Tgt Ion:	43	Resp:	30208
Ion	Ratio	Lower	Upper
43	100		
61	30.1	22.7	34.1
87	12.9	9.6	14.4



#44
Trichloroethene
Concen: 4.495 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion:	130	Resp:	19365
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	215.6

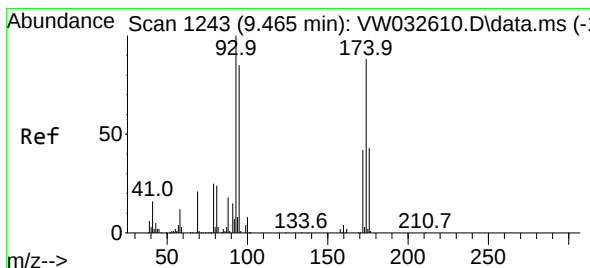
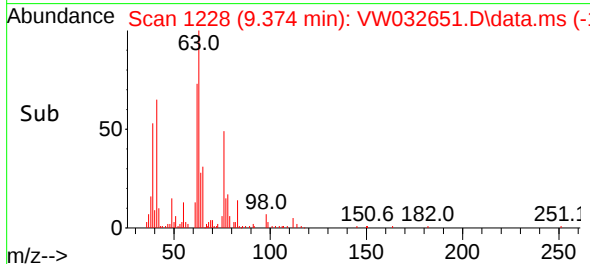
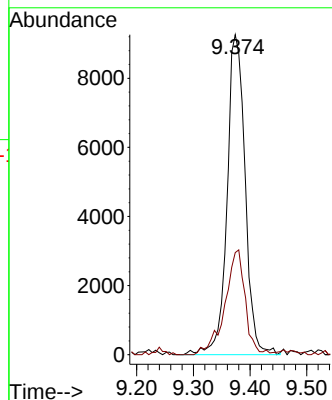
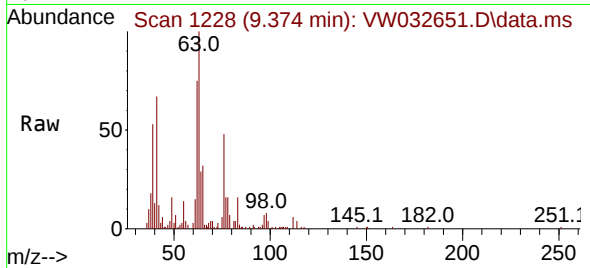




#45
1,2-Dichloropropane
Concen: 4.314 ug/l
RT: 9.374 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

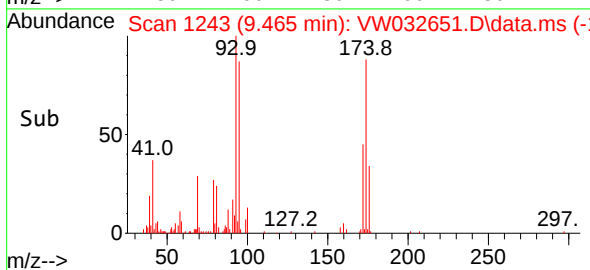
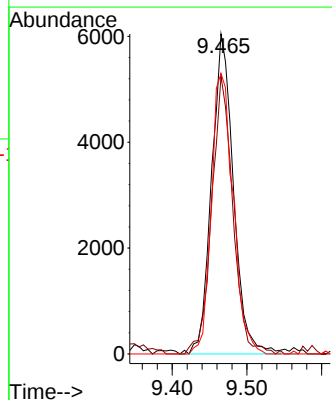
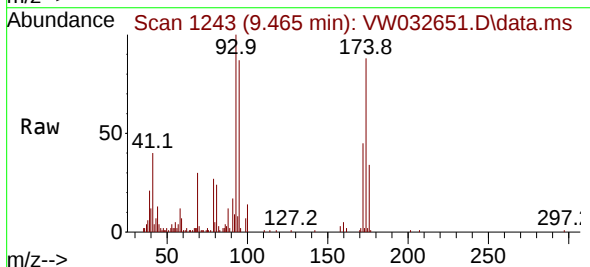
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

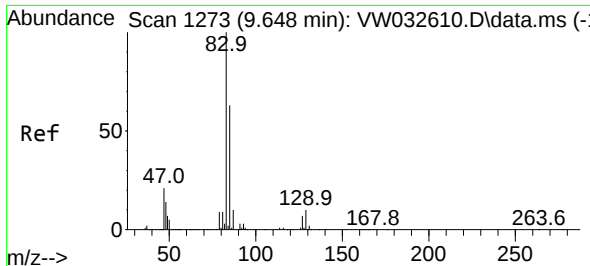
Tgt Ion: 63 Resp: 20495
Ion Ratio Lower Upper
63 100
65 31.9 23.8 35.6



#46
Dibromomethane
Concen: 4.500 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 93 Resp: 12298
Ion Ratio Lower Upper
93 100
95 84.1 67.0 100.4
174 87.5 67.6 101.4

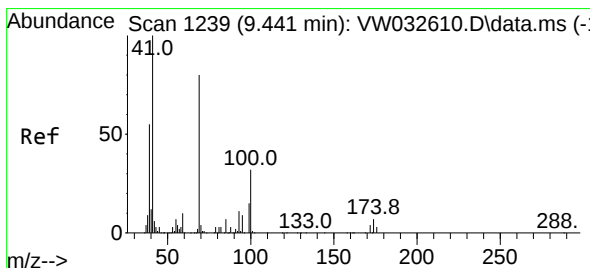
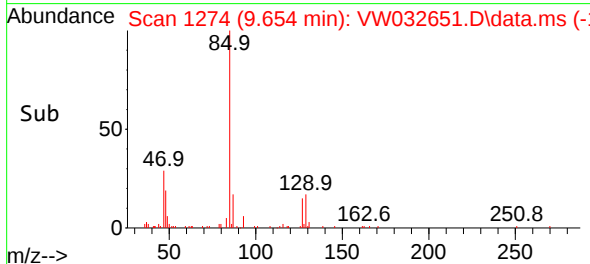
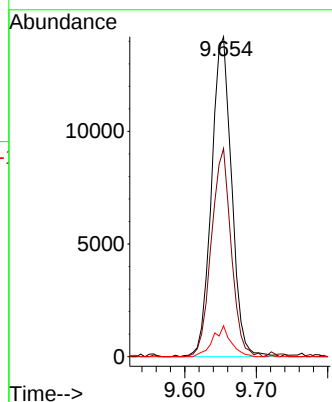
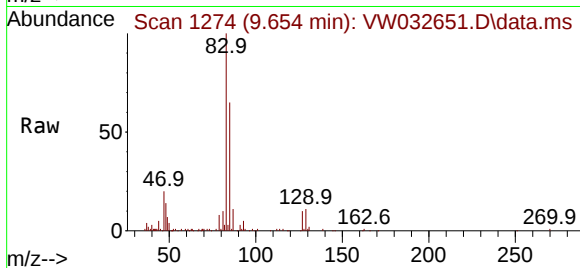




#47
 Bromodichloromethane
 Concen: 4.302 ug/l
 RT: 9.654 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

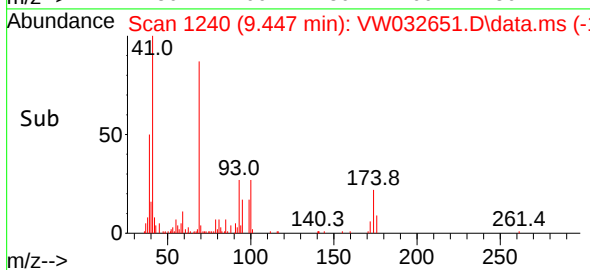
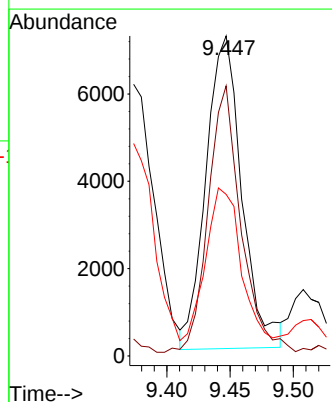
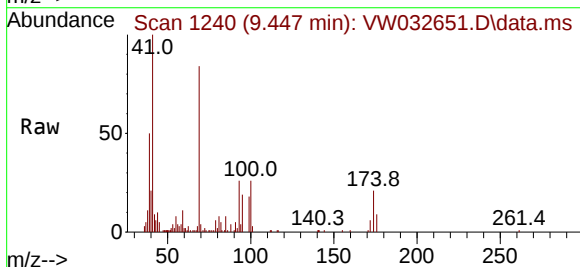
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

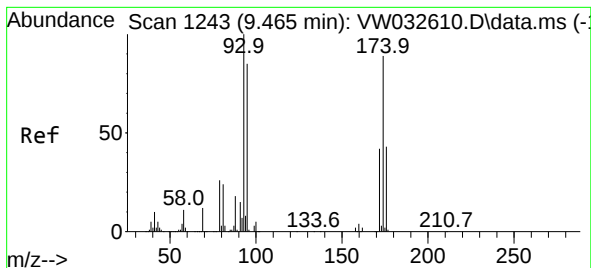
Tgt Ion: 83 Resp: 27710
 Ion Ratio Lower Upper
 83 100
 85 65.0 50.7 76.1
 127 9.7 6.0 9.0#



#48
 Methyl methacrylate
 Concen: 4.100 ug/l
 RT: 9.447 min Scan# 1240
 Delta R.T. 0.006 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

Tgt Ion: 41 Resp: 14153
 Ion Ratio Lower Upper
 41 100
 69 78.2 67.9 101.9
 39 48.1 43.8 65.8





#49

1,4-Dioxane

Concen: 71.895 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.012 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

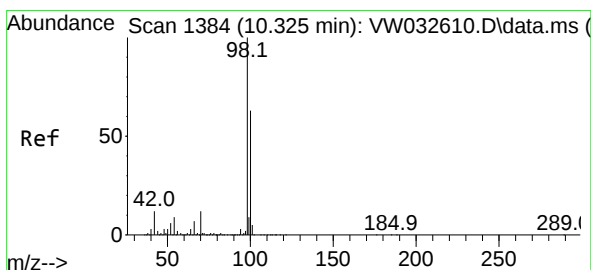
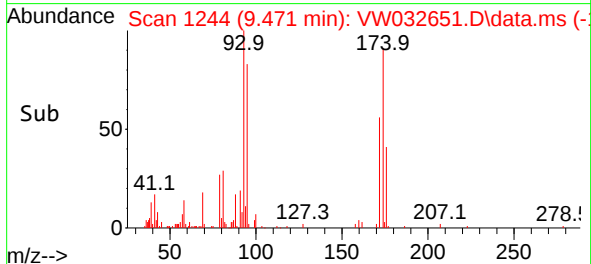
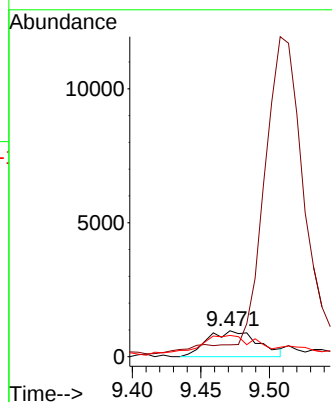
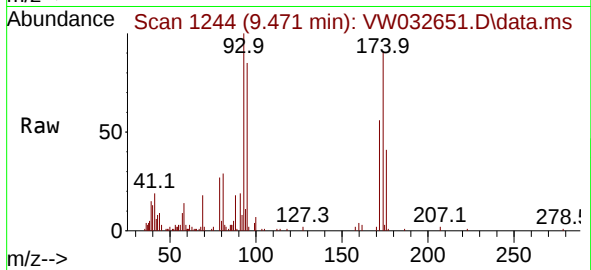
Tgt Ion: 88 Resp: 2493

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 87.0 63.8 95.8



#50

Toluene-d8

Concen: 4.367 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032651.D

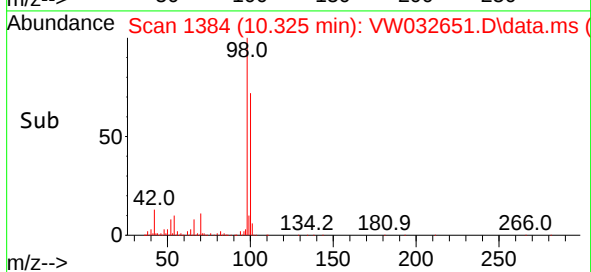
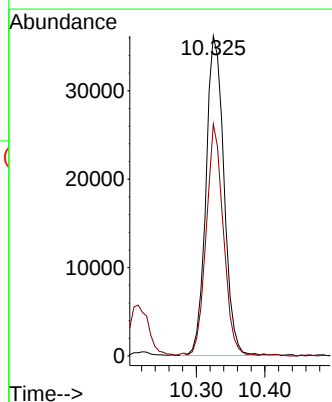
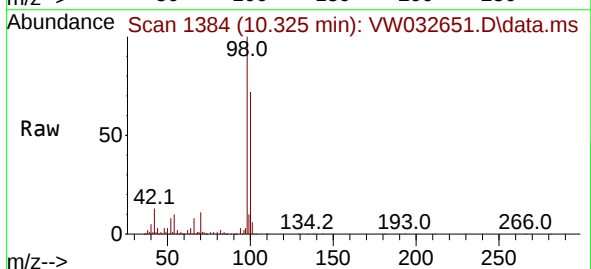
Acq: 16 Dec 2025 13:06

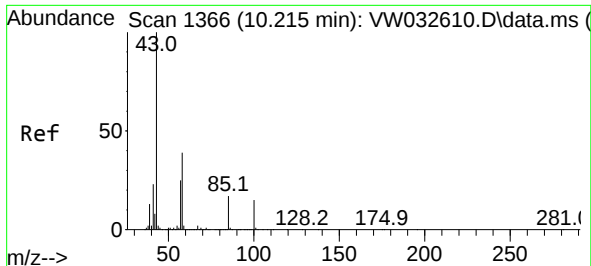
Tgt Ion: 98 Resp: 65895

Ion Ratio Lower Upper

98 100

100 69.1 52.2 78.2

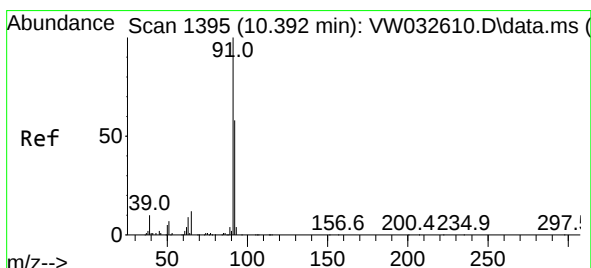
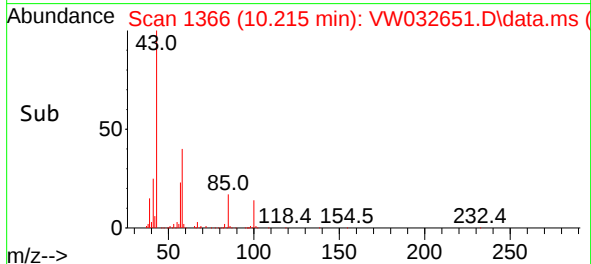
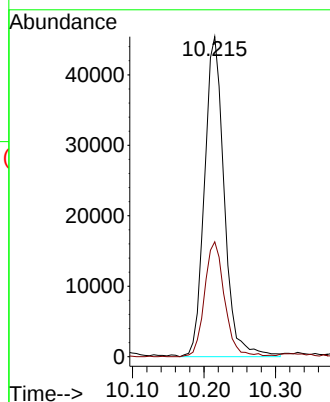
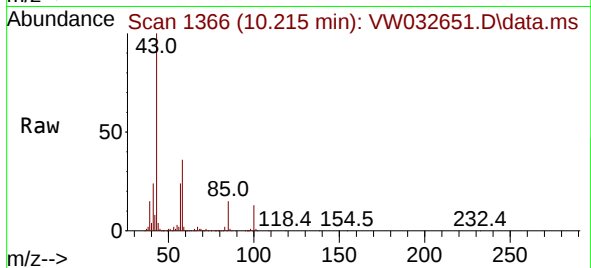




#51
4-Methyl-2-Pentanone
Concen: 21.583 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

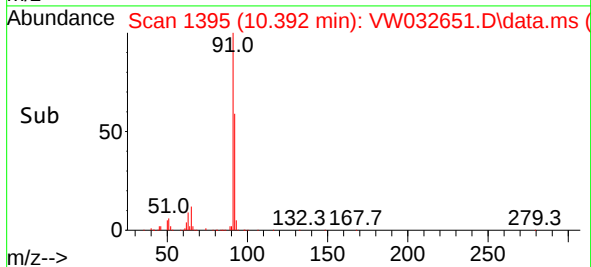
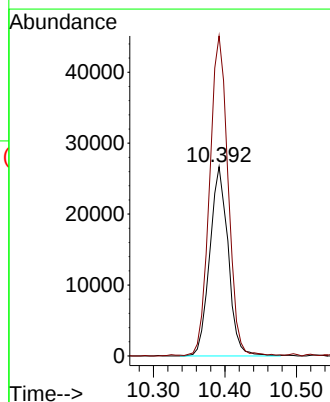
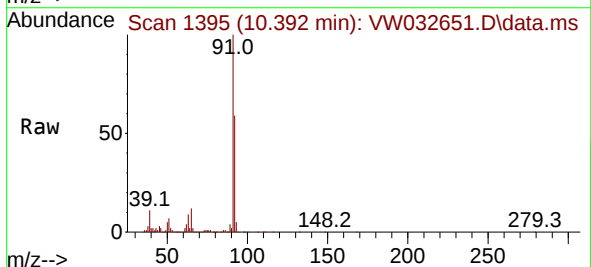
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

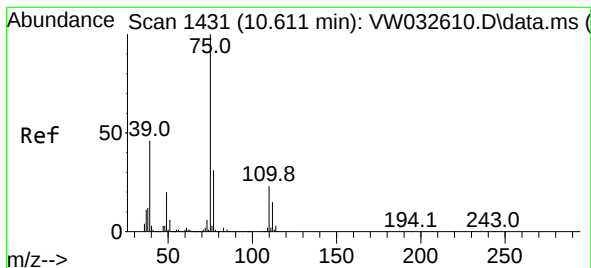
Tgt Ion: 43 Resp: 86912
Ion Ratio Lower Upper
43 100
58 36.5 30.6 45.8



#52
Toluene
Concen: 4.157 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 92 Resp: 47680
Ion Ratio Lower Upper
92 100
91 169.1 137.6 206.4

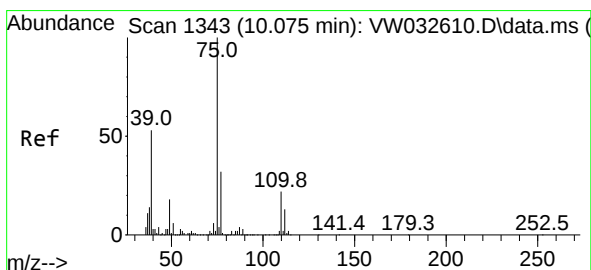
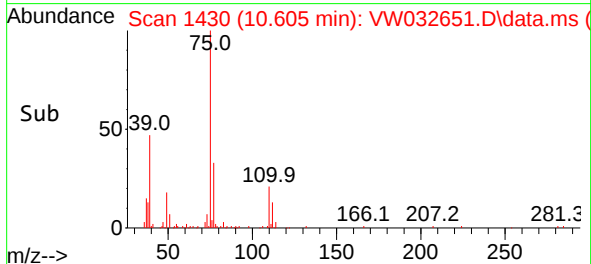
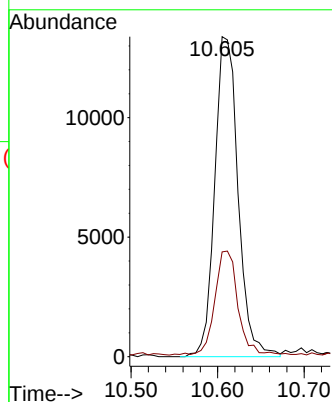
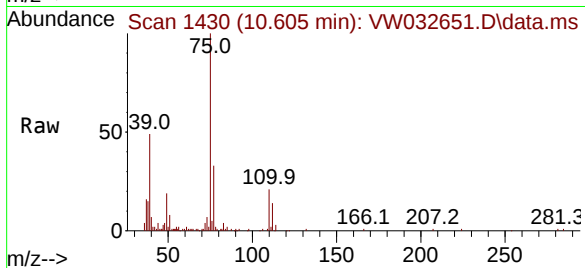




#53
t-1,3-Dichloropropene
Concen: 4.003 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

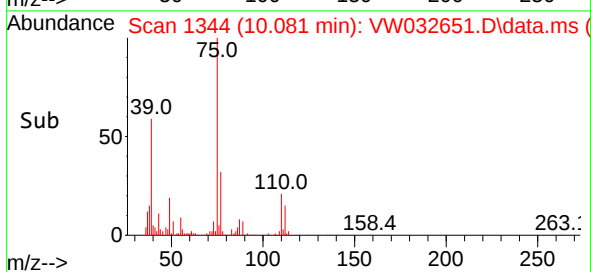
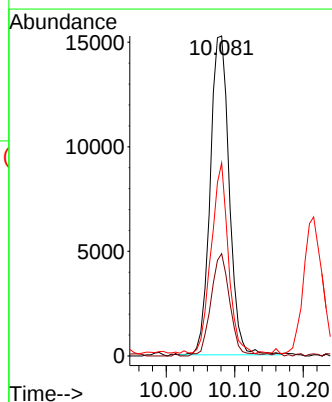
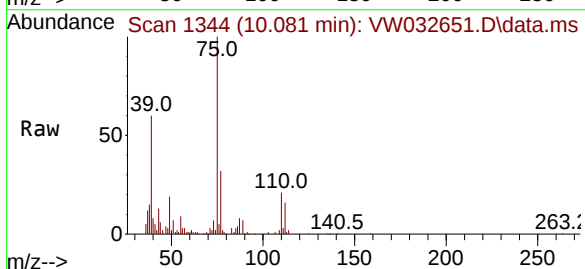
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

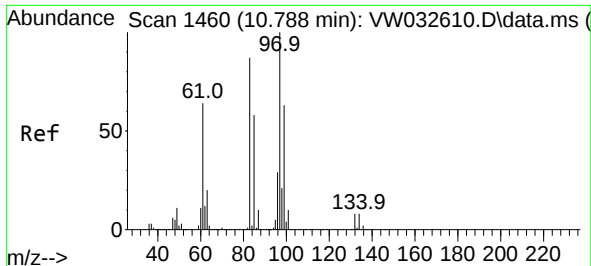
Tgt Ion: 75 Resp: 25089
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 4.030 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 75 Resp: 29373
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0
39 59.6 42.5 63.7





#55

1,1,2-Trichloroethane

Concen: 4.445 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 16471

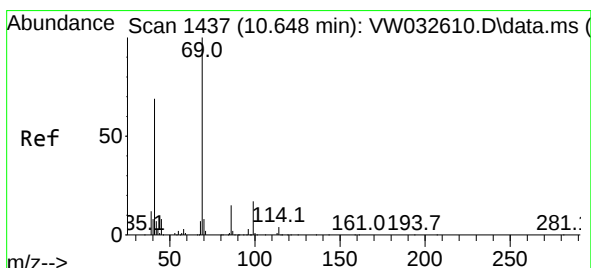
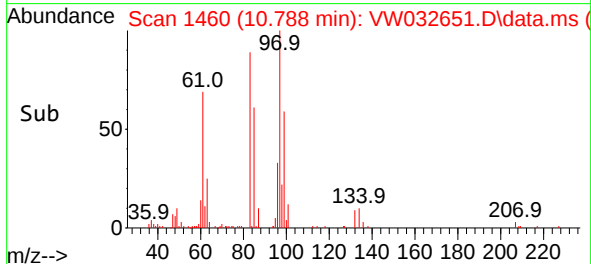
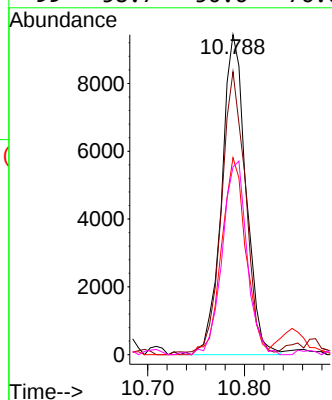
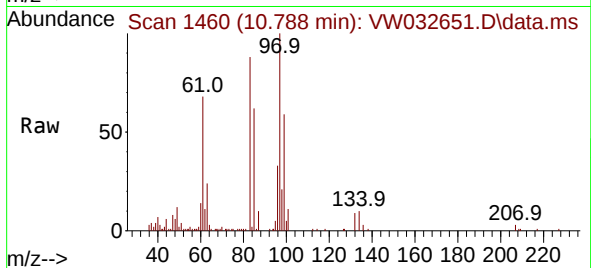
Ion Ratio Lower Upper

97 100

83 87.5 69.3 103.9

85 61.6 46.1 69.1

99 58.7 50.6 76.0



#56

Ethyl methacrylate

Concen: 3.707 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

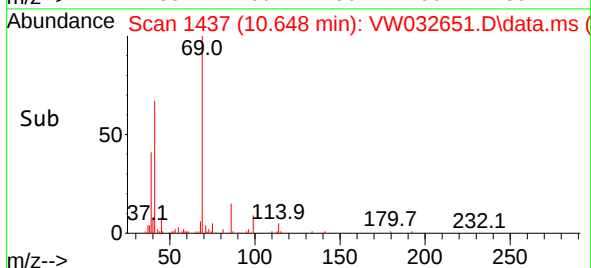
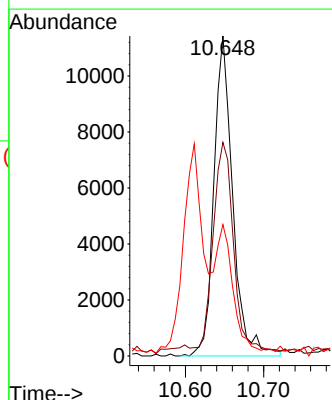
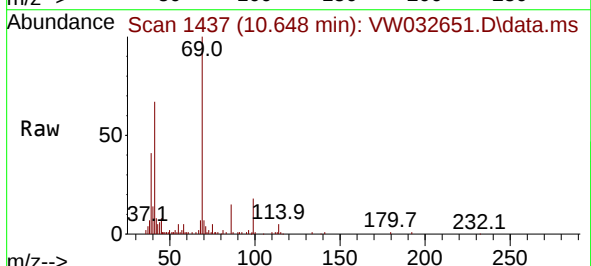
Tgt Ion: 69 Resp: 19077

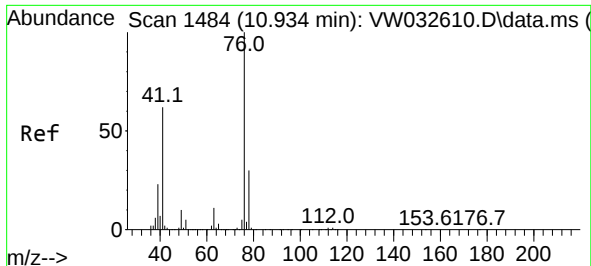
Ion Ratio Lower Upper

69 100

41 70.9 57.0 85.6

39 37.3 27.2 40.8





#57

1,3-Dichloropropane

Concen: 4.351 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

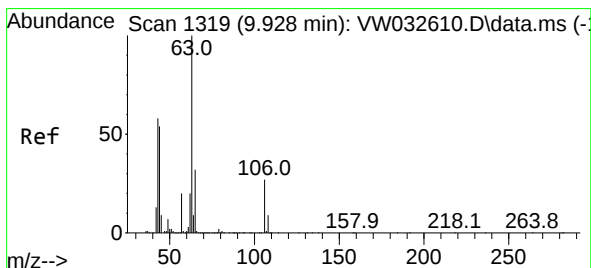
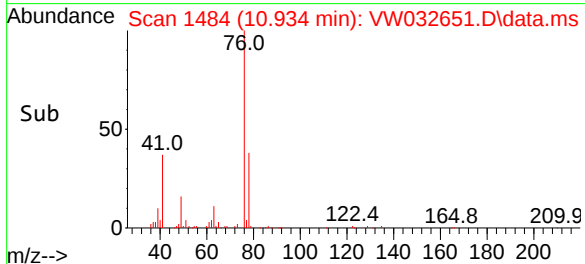
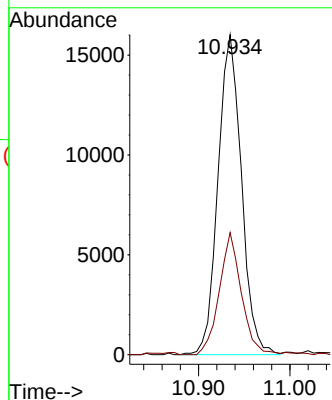
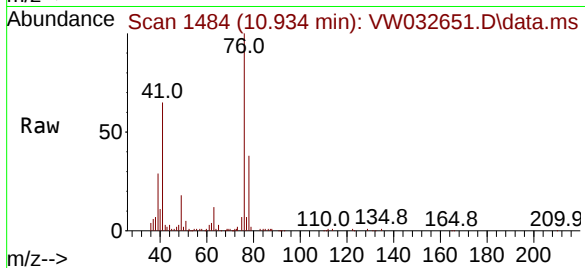
VSTDIC005

Tgt Ion: 76 Resp: 28558

Ion Ratio Lower Upper

76 100

78 35.8 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 31.093 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.001 min

Lab File: VW032651.D

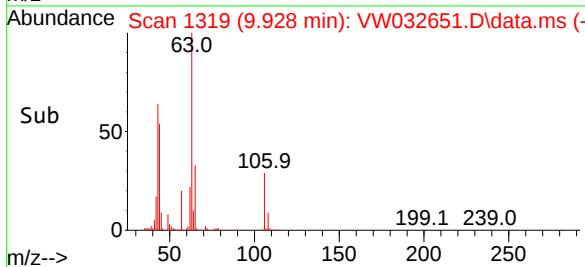
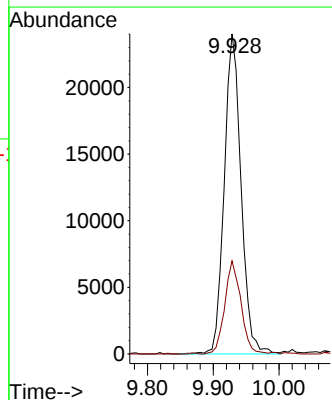
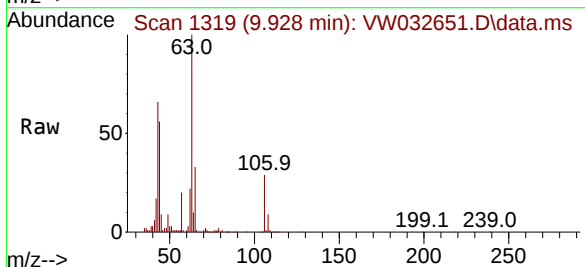
Acq: 16 Dec 2025 13:06

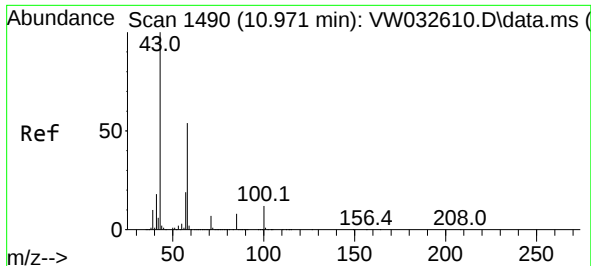
Tgt Ion: 63 Resp: 42778

Ion Ratio Lower Upper

63 100

106 28.0 21.3 31.9

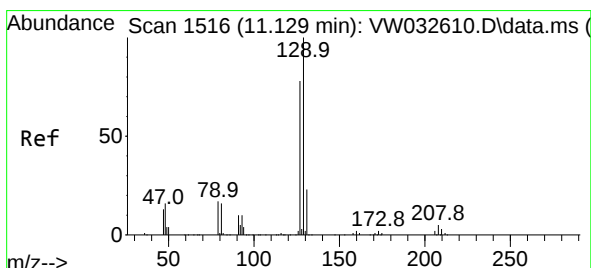
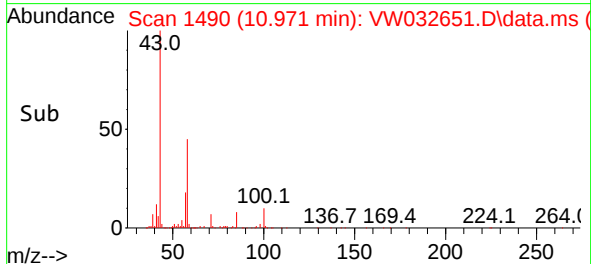
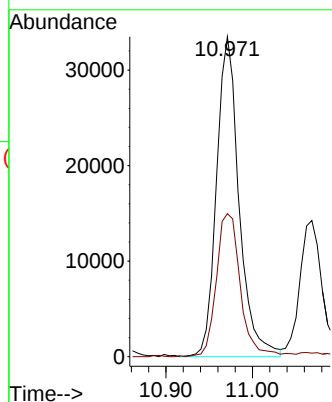
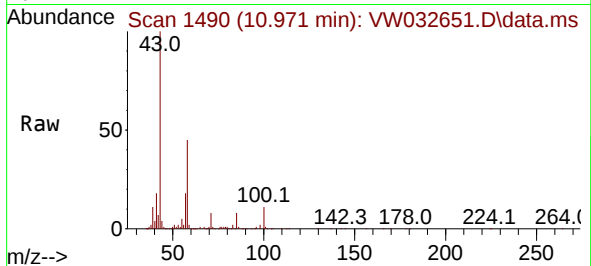




#59
2-Hexanone
Concen: 20.904 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

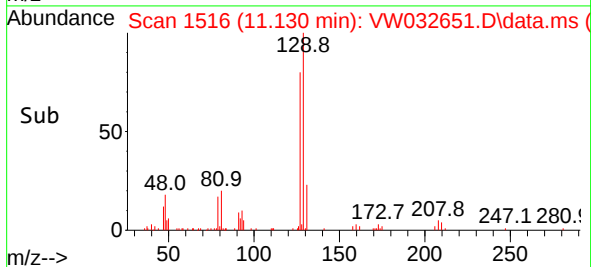
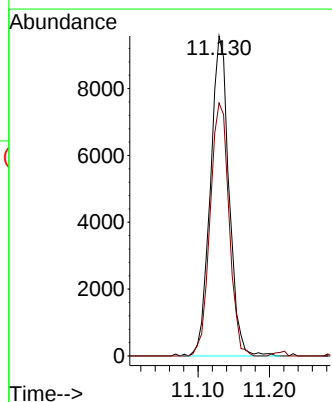
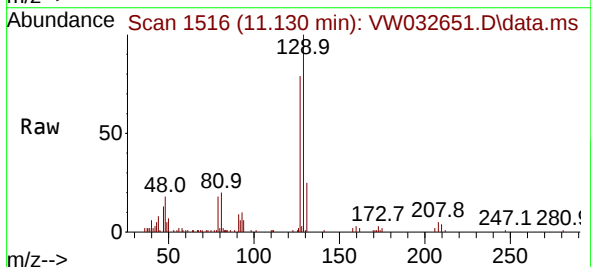
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

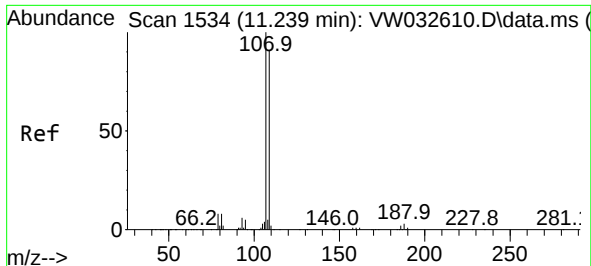
Tgt Ion: 43 Resp: 60642
Ion Ratio Lower Upper
43 100
58 47.8 26.3 78.9



#60
Dibromochloromethane
Concen: 4.211 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 129 Resp: 17291
Ion Ratio Lower Upper
129 100
127 80.3 37.2 111.6

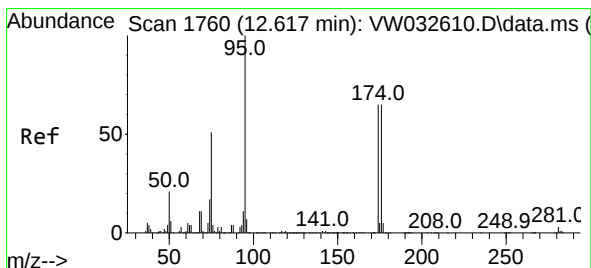
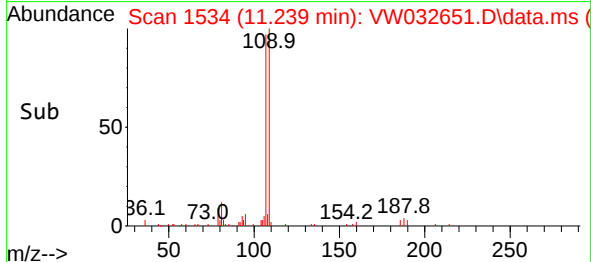
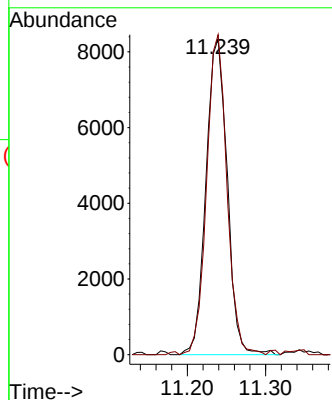
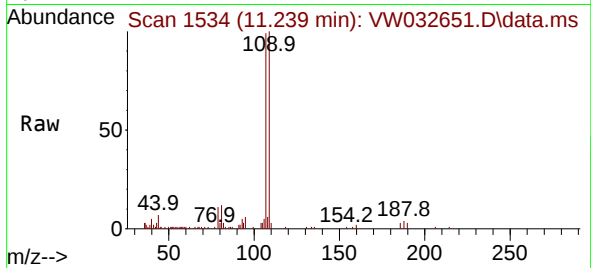




#61
1,2-Dibromoethane
Concen: 4.438 ug/l
RT: 11.239 min Scan# 1534
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

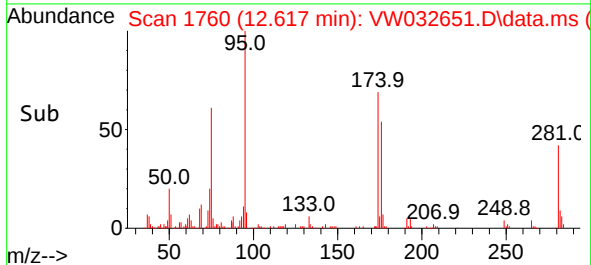
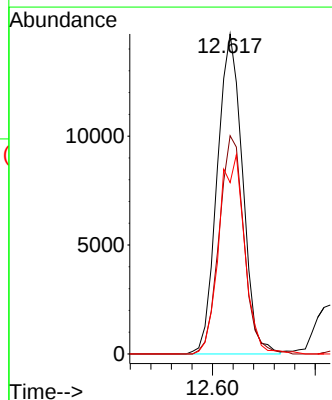
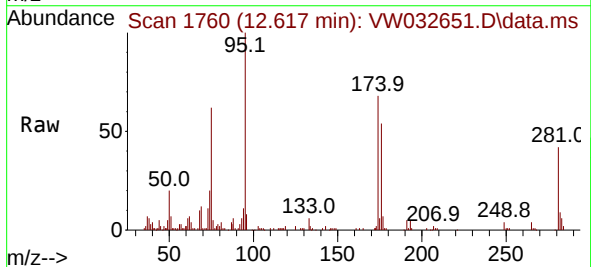
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

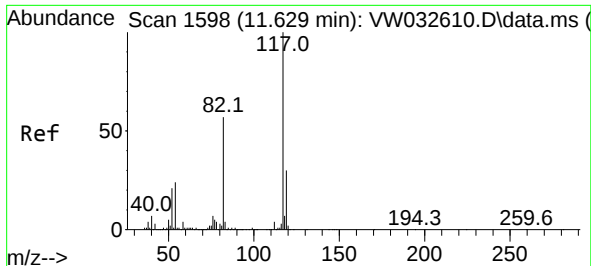
Tgt Ion:107 Resp: 15675
Ion Ratio Lower Upper
107 100
109 96.6 73.0 109.4



#62
4-Bromofluorobenzene
Concen: 4.521 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 95 Resp: 25092
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.0
176 63.3 0.0 123.4

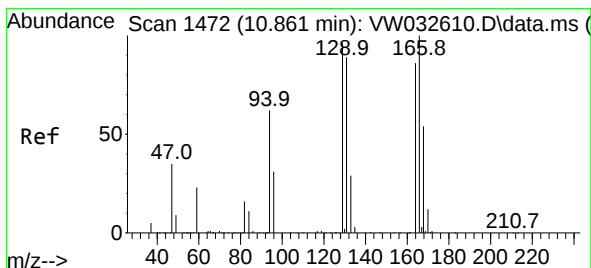
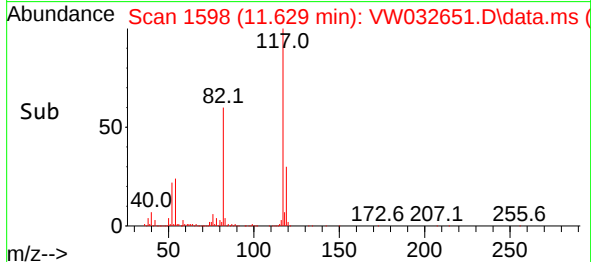
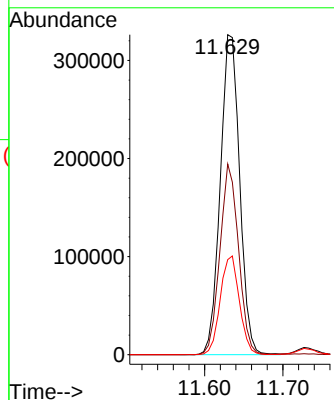
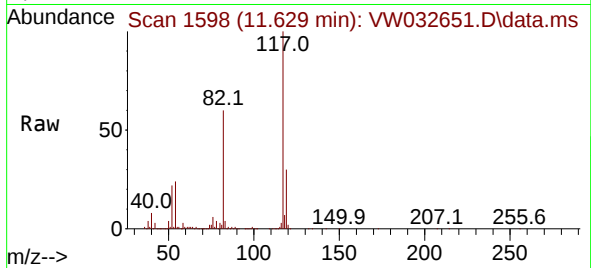




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

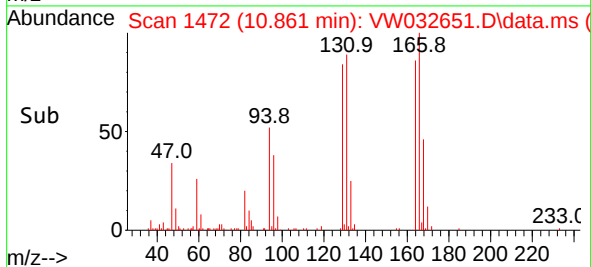
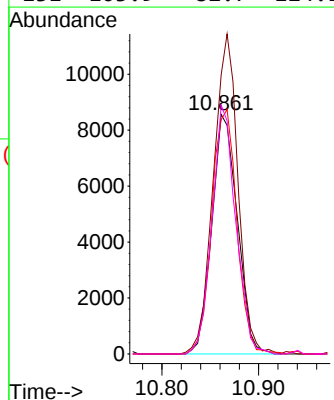
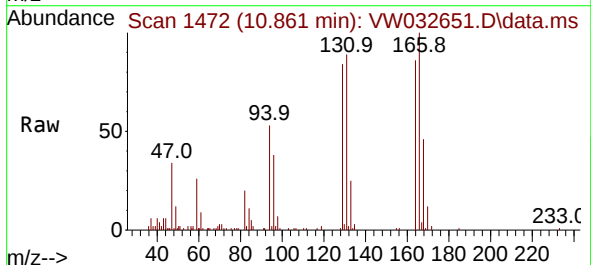
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

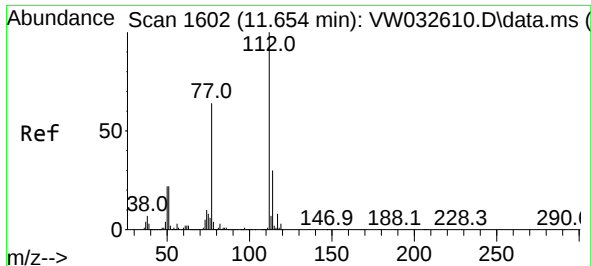
Tgt Ion:117 Resp: 561272
Ion Ratio Lower Upper
117 100
82 59.6 45.5 68.3
119 29.7 23.8 35.8



#64
Tetrachloroethene
Concen: 4.383 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion:164 Resp: 15692
Ion Ratio Lower Upper
164 100
166 116.5 93.0 139.6
129 97.8 89.2 133.8
131 103.9 82.7 124.1

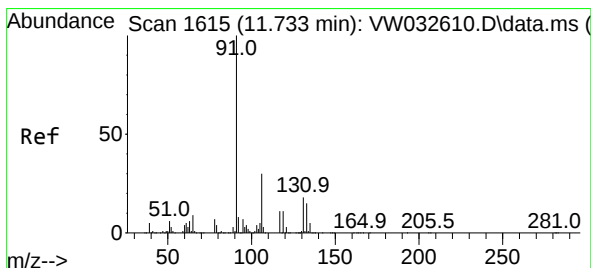
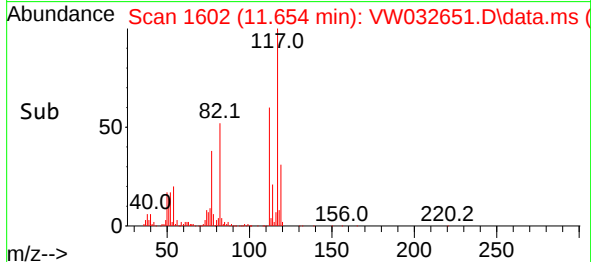
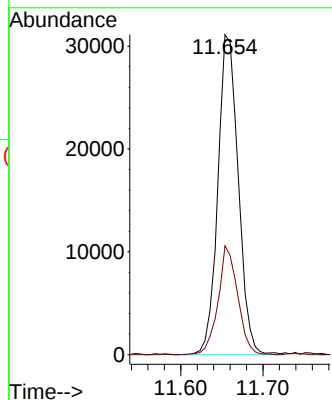
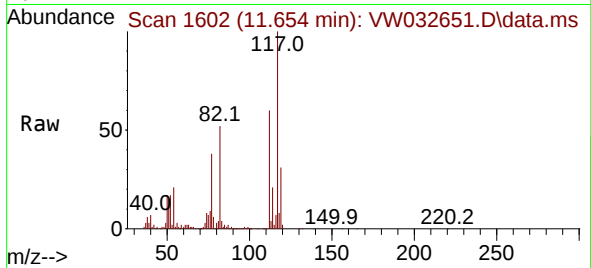




#65
Chlorobenzene
Concen: 4.211 ug/l
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

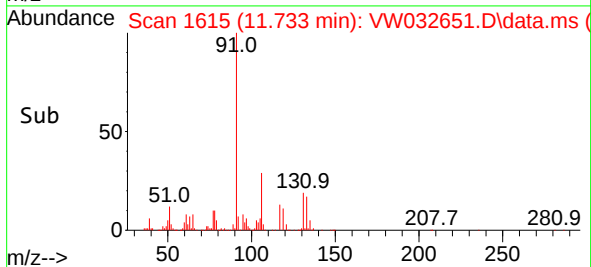
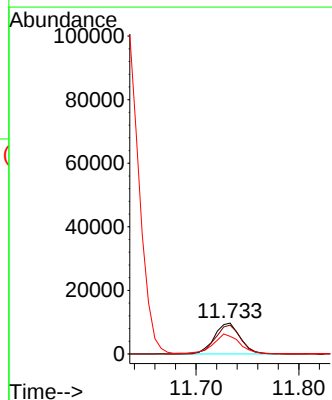
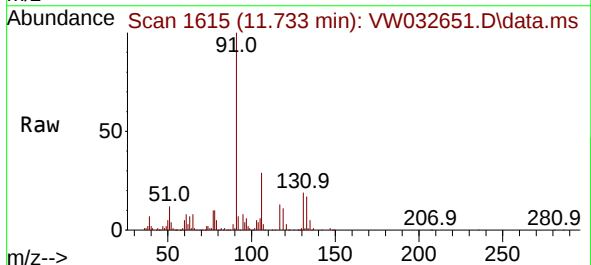
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

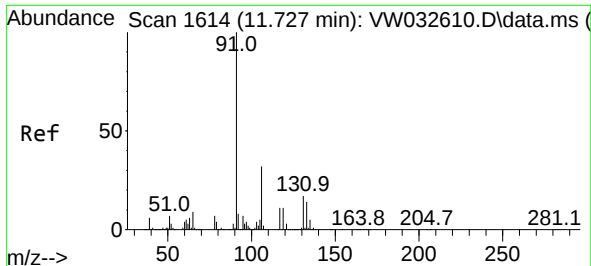
Tgt Ion:112 Resp: 53712
Ion Ratio Lower Upper
112 100
114 34.0 23.8 35.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.309 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion:131 Resp: 16826
Ion Ratio Lower Upper
131 100
133 93.9 44.0 132.1
119 63.9 32.0 96.2





#67

Ethyl Benzene

Concen: 4.017 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

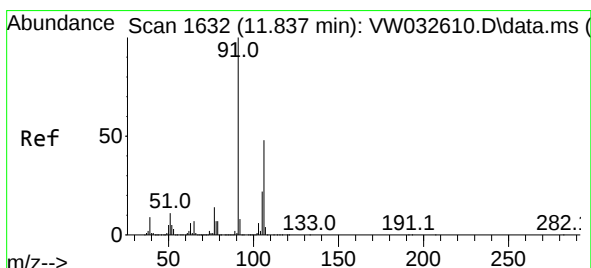
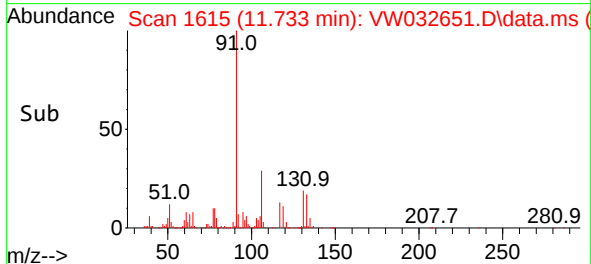
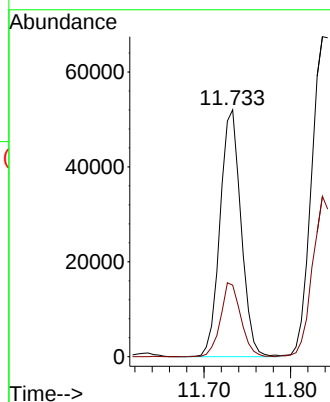
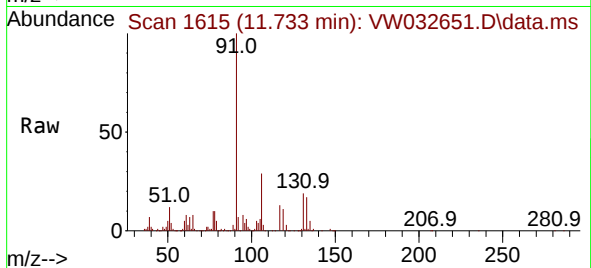
VSTDIC005

Tgt Ion: 91 Resp: 87570

Ion Ratio Lower Upper

91 100

106 29.0 25.8 38.6



#68

m/p-Xylenes

Concen: 7.709 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032651.D

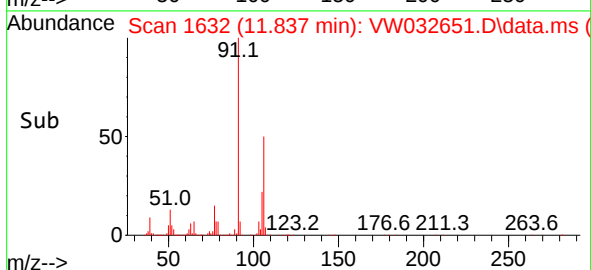
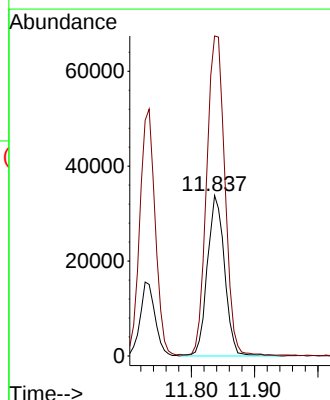
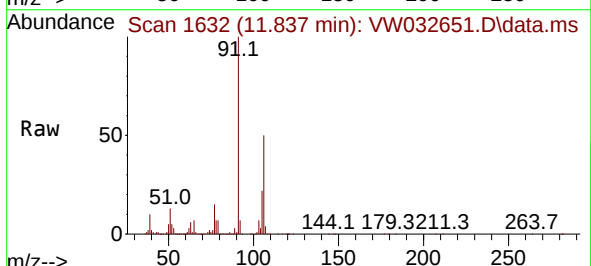
Acq: 16 Dec 2025 13:06

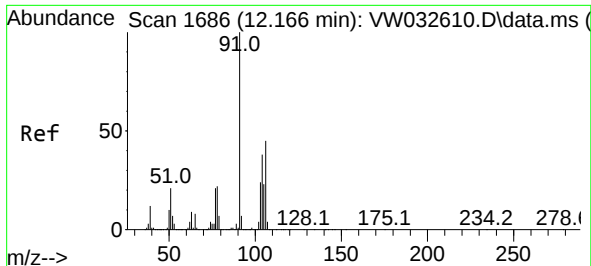
Tgt Ion:106 Resp: 64106

Ion Ratio Lower Upper

106 100

91 210.5 165.6 248.4

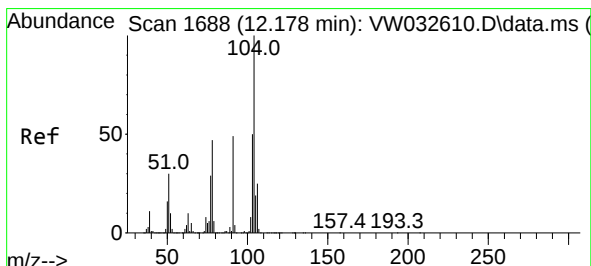
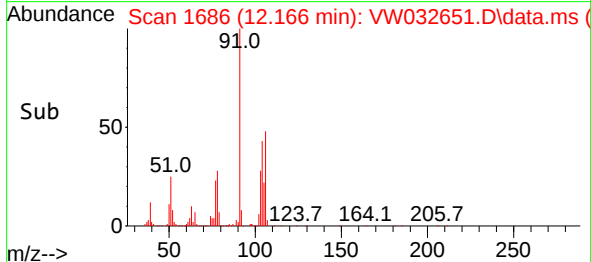
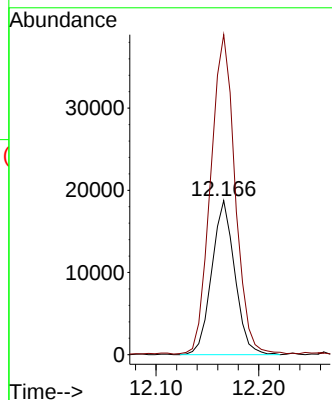
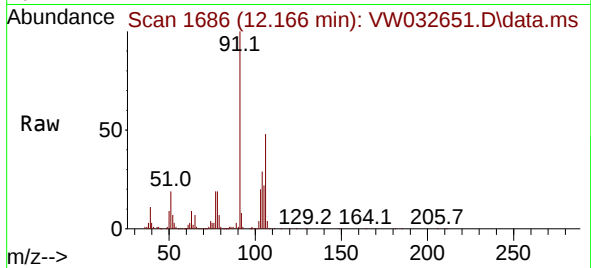




#69
o-Xylene
Concen: 3.834 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

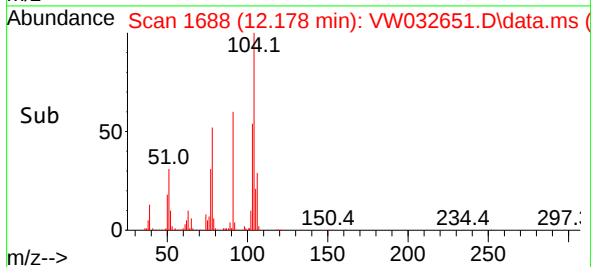
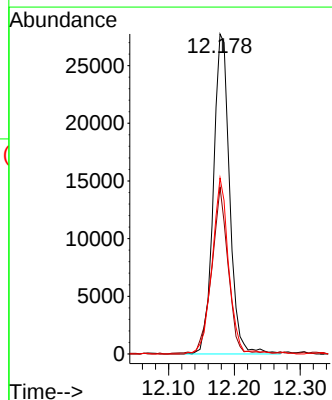
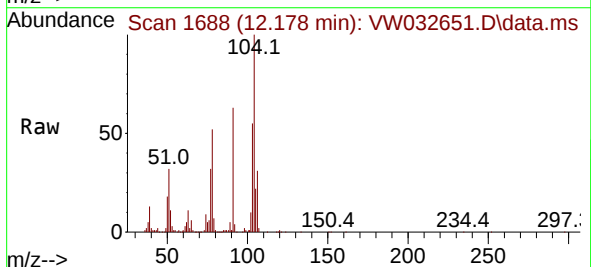
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

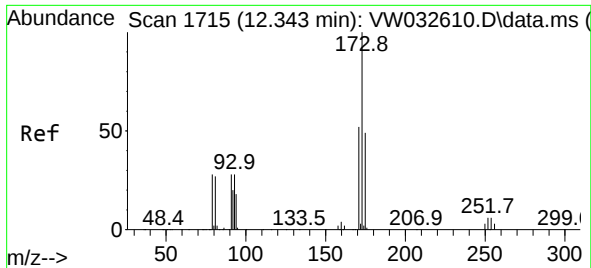
Tgt Ion:106 Resp: 29126
Ion Ratio Lower Upper
106 100
91 220.3 108.3 324.8



#70
Styrene
Concen: 3.608 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion:104 Resp: 47759
Ion Ratio Lower Upper
104 100
78 53.0 41.5 62.3
103 55.5 43.8 65.6

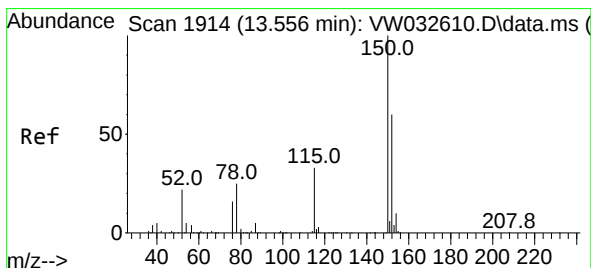
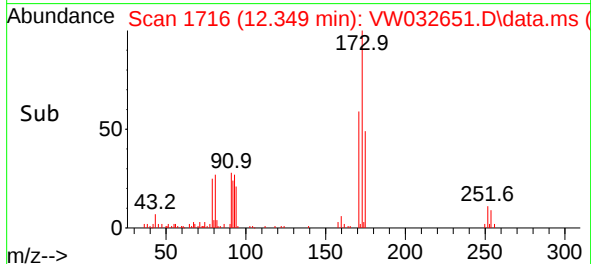
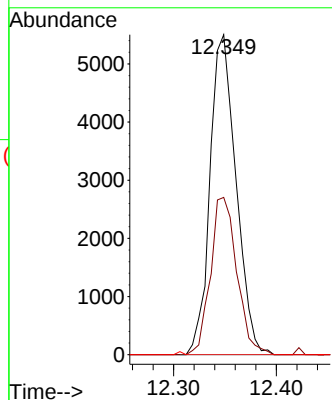
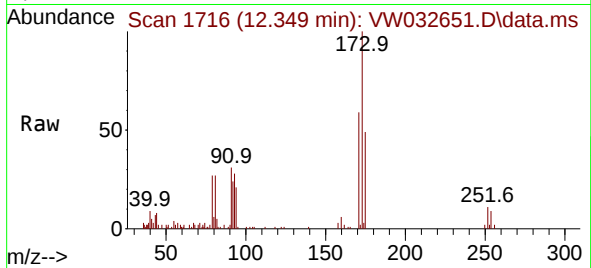




#71
Bromoform
Concen: 4.439 ug/l
RT: 12.349 min Scan# 1715
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

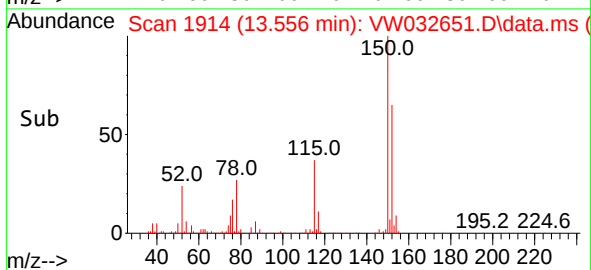
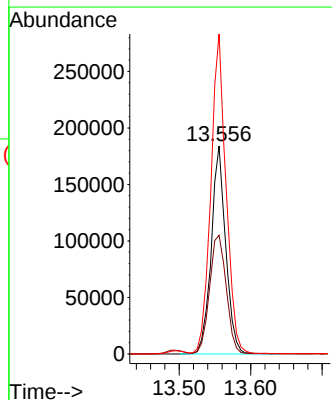
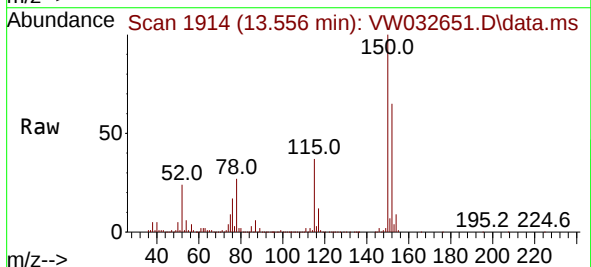
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

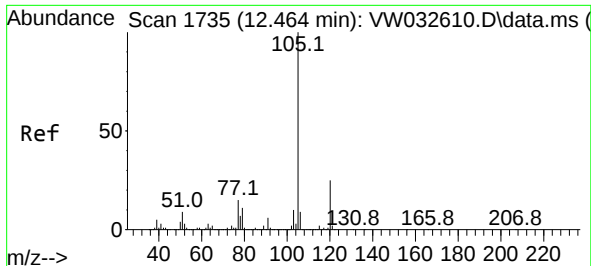
Tgt Ion:173 Resp: 9684
Ion Ratio Lower Upper
173 100
175 49.7 24.9 74.7
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion:152 Resp: 259146
Ion Ratio Lower Upper
152 100
115 65.3 33.8 101.3
150 160.7 0.0 369.4

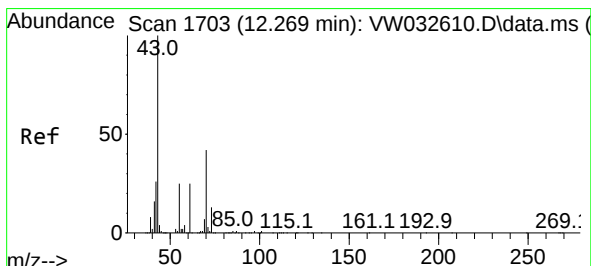
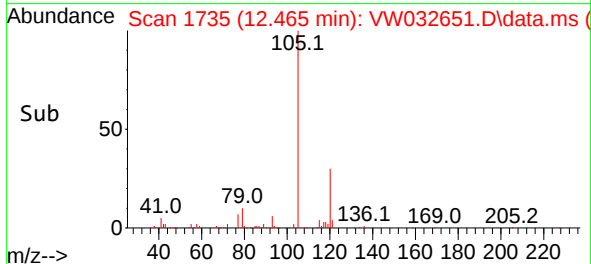
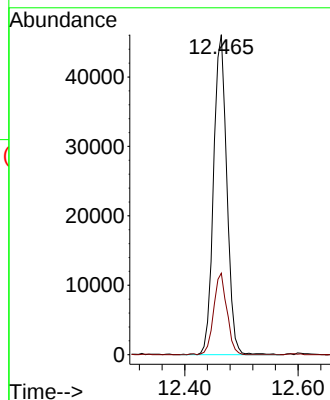
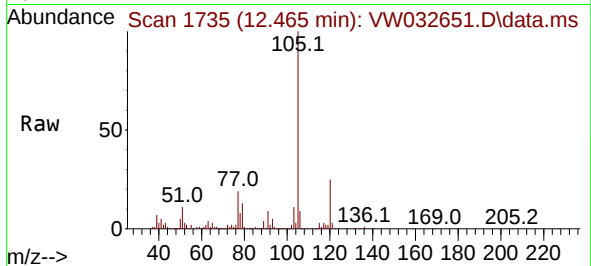




#73
Isopropylbenzene
Concen: 3.837 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

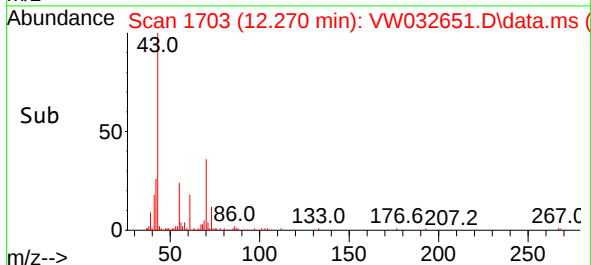
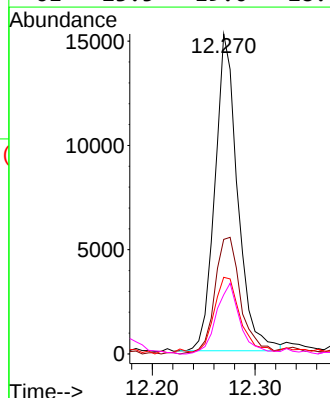
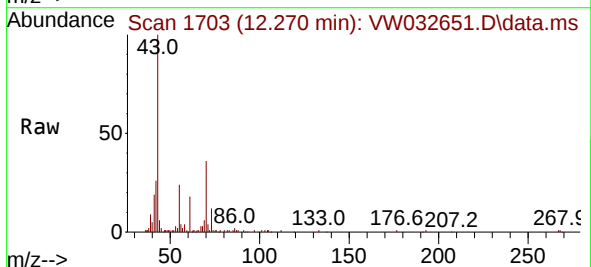
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

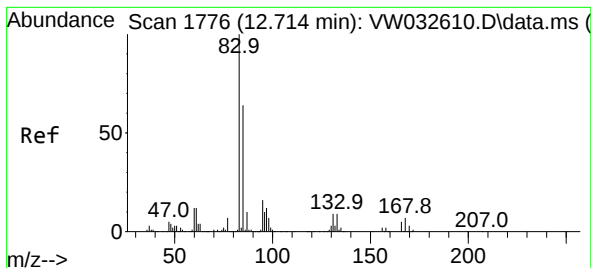
Tgt Ion:105 Resp: 74824
Ion Ratio Lower Upper
105 100
120 25.4 13.0 39.0



#74
N-ethyl acetate
Concen: 3.658 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 43 Resp: 23303
Ion Ratio Lower Upper
43 100
70 42.1 32.4 48.6
55 27.5 19.8 29.6
61 23.5 19.0 28.4

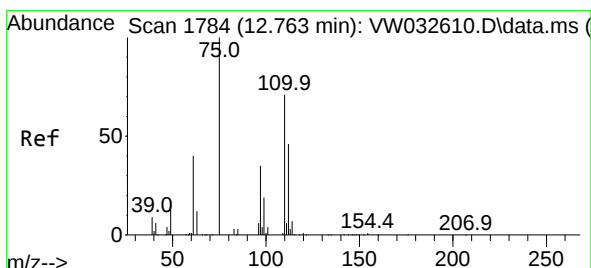
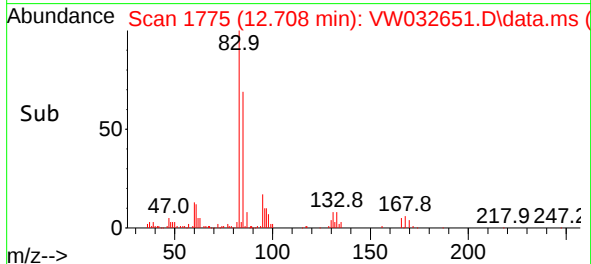
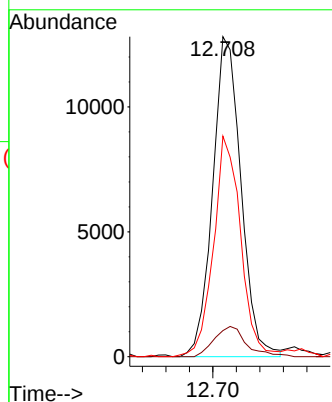
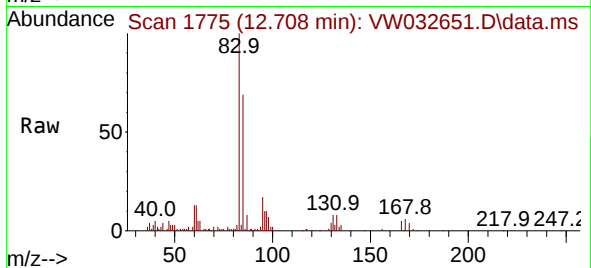




#75
1,1,2,2-Tetrachloroethane
Concen: 4.629 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

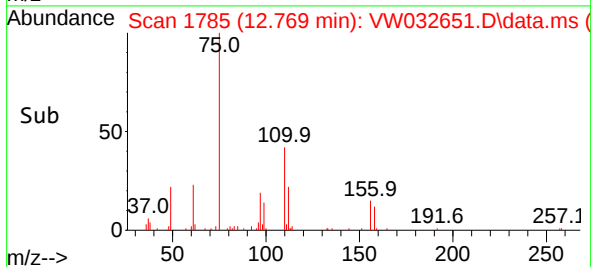
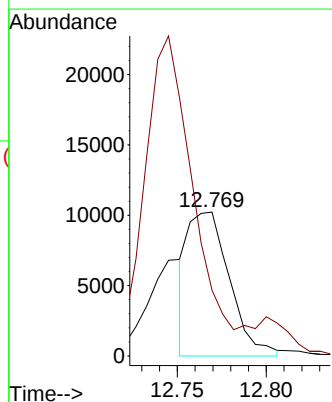
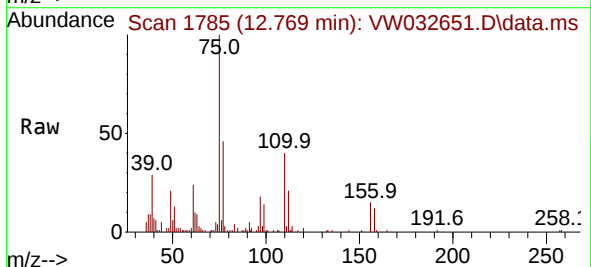
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

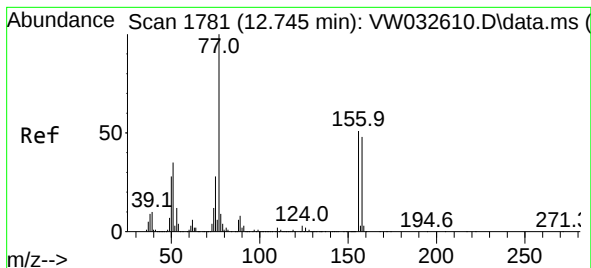
Tgt Ion: 83 Resp: 21454
Ion Ratio Lower Upper
83 100
131 10.7 5.0 14.9
85 66.1 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 2.806 ug/l m
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 75 Resp: 16609
Ion Ratio Lower Upper
75 100
77 0.0 154.0 462.0#





#77

Bromobenzene

Concen: 4.282 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

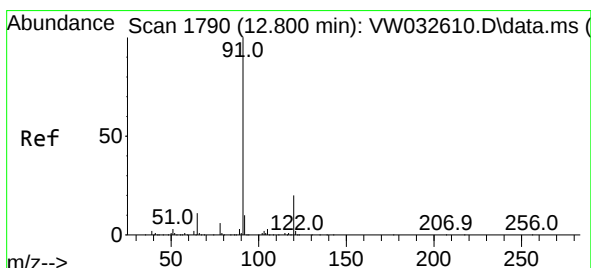
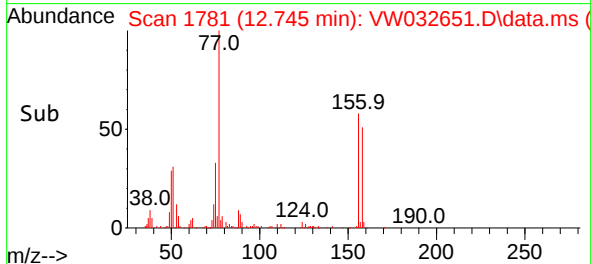
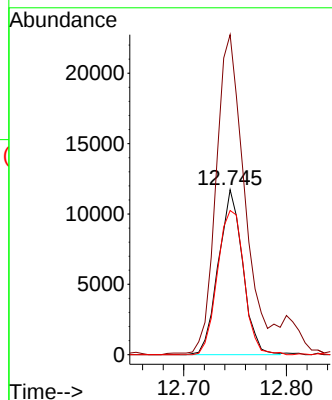
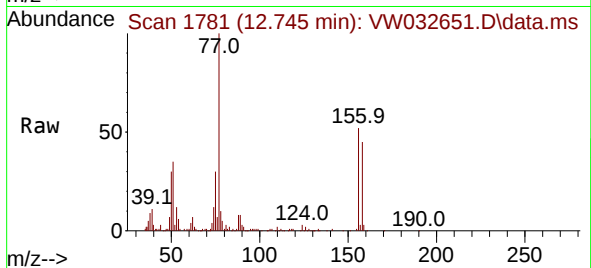
Tgt Ion:156 Resp: 19238

Ion Ratio Lower Upper

156 100

77 232.5 116.7 350.1

158 95.4 49.9 149.7



#78

n-propylbenzene

Concen: 3.871 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW032651.D

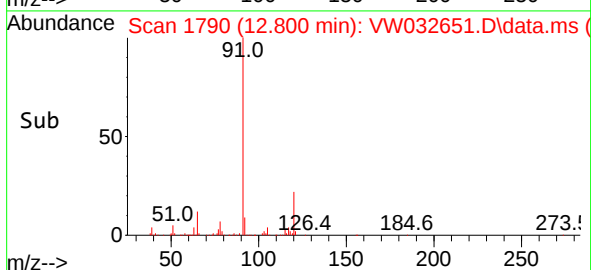
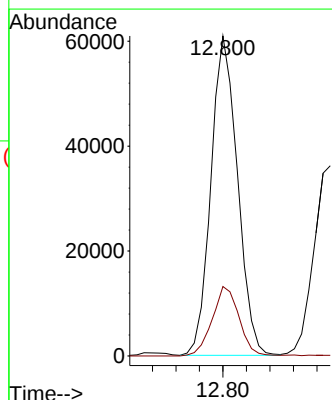
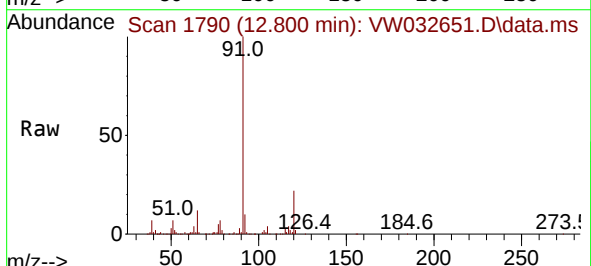
Acq: 16 Dec 2025 13:06

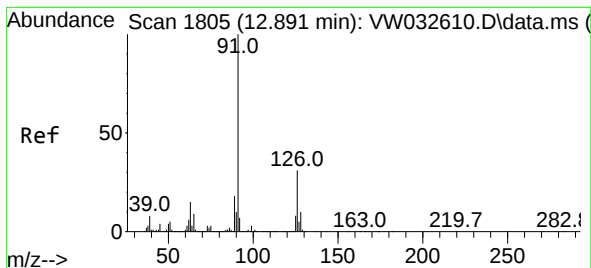
Tgt Ion: 91 Resp: 95635

Ion Ratio Lower Upper

91 100

120 22.2 10.9 32.6

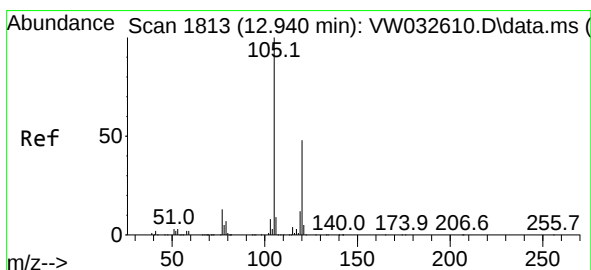
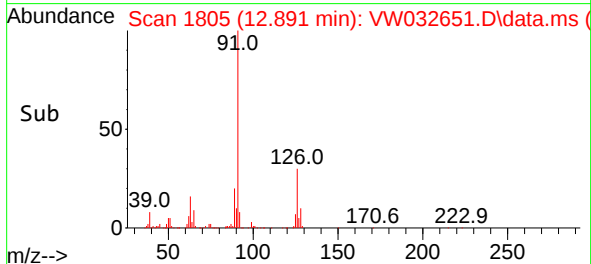
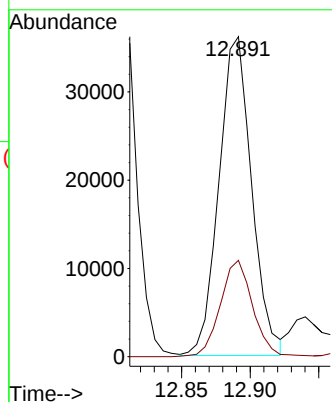
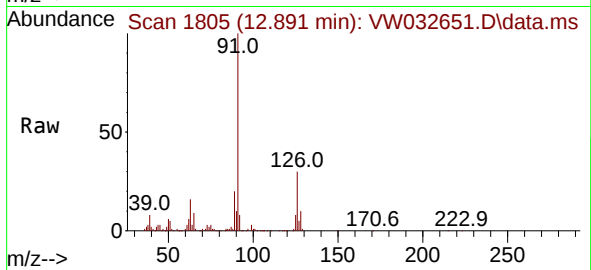




#79
2-Chlorotoluene
Concen: 4.077 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

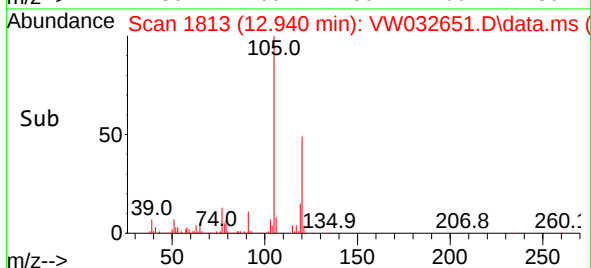
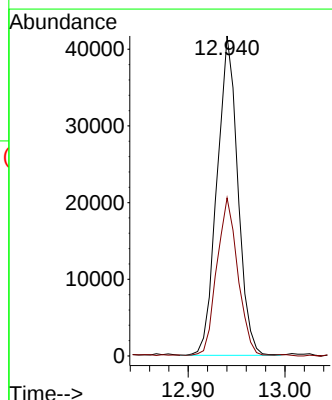
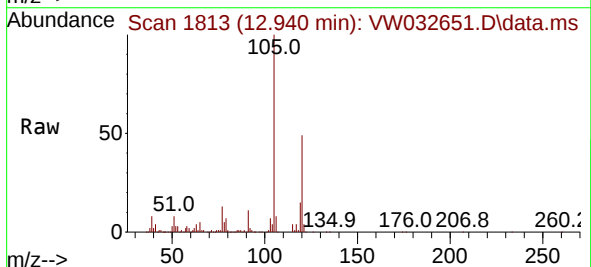
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

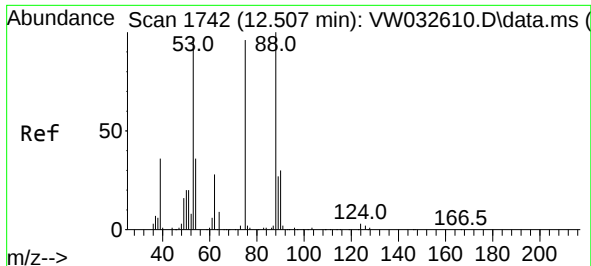
Tgt Ion: 91 Resp: 60002
Ion Ratio Lower Upper
91 100
126 30.0 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 3.823 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 105 Resp: 62143
Ion Ratio Lower Upper
105 100
120 49.5 24.3 72.8

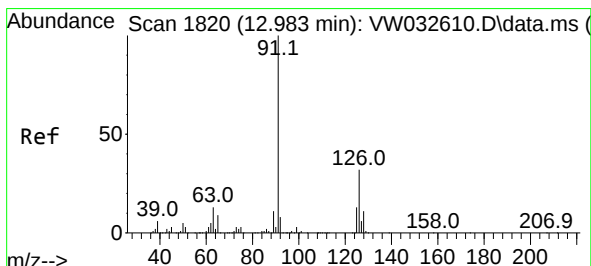
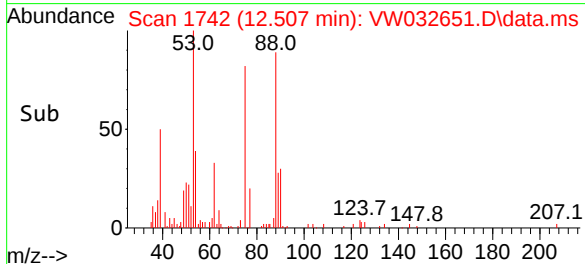
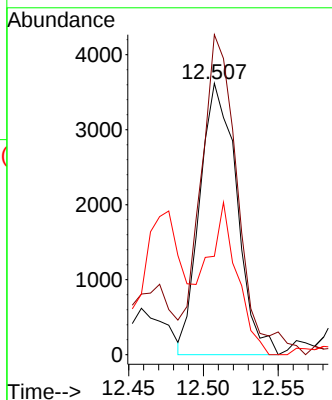
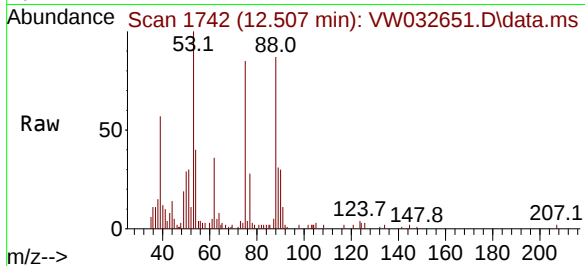




#81
trans-1,4-Dichloro-2-butene
Concen: 4.110 ug/l
RT: 12.507 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

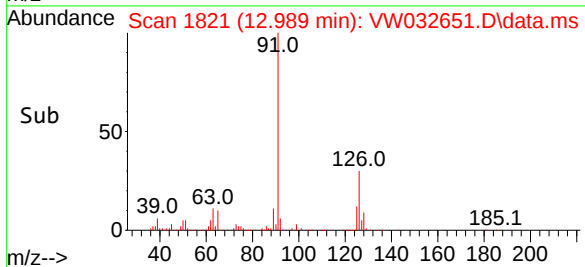
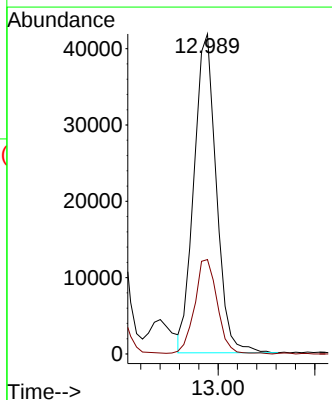
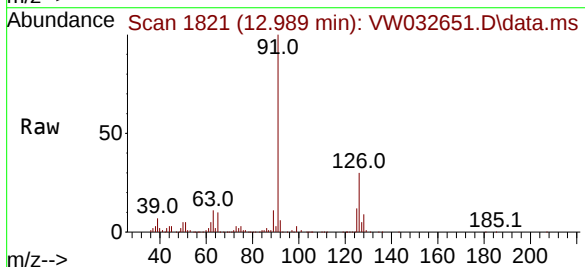
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

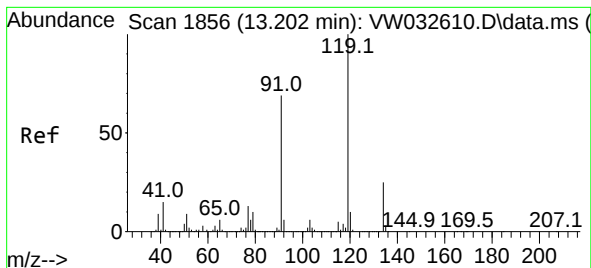
Tgt Ion: 75 Resp: 6213
Ion Ratio Lower Upper
75 100
53 117.0 86.1 129.1
89 42.9 37.4 56.2



#82
4-Chlorotoluene
Concen: 4.293 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032651.D
Acq: 16 Dec 2025 13:06

Tgt Ion: 91 Resp: 67094
Ion Ratio Lower Upper
91 100
126 30.3 15.8 47.4





#83

tert-Butylbenzene

Concen: 3.813 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

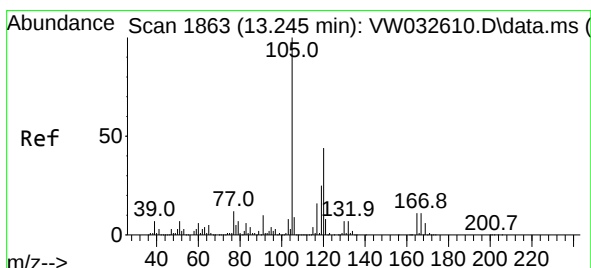
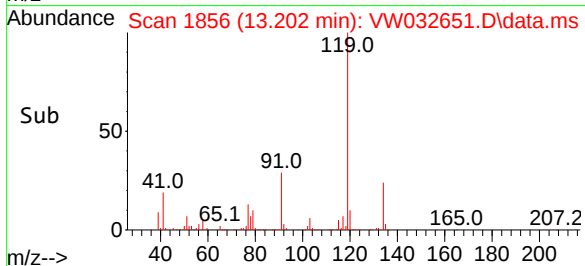
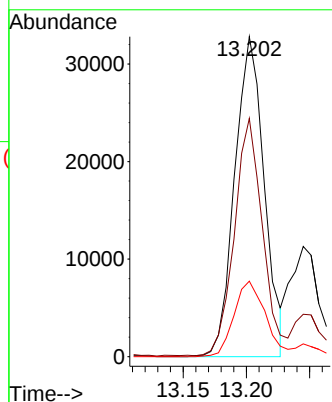
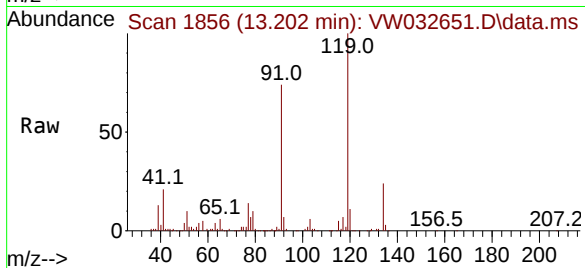
Tgt Ion:119 Resp: 53199

Ion Ratio Lower Upper

119 100

91 71.1 34.3 102.8

134 25.0 12.6 37.8



#84

1,2,4-Trimethylbenzene

Concen: 3.790 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW032651.D

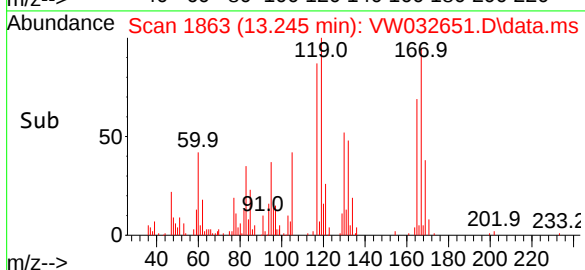
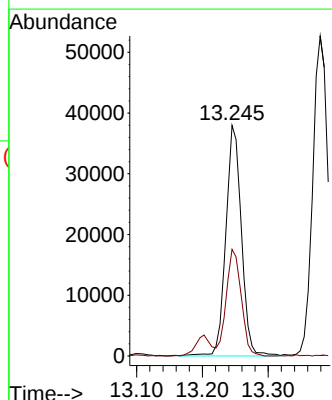
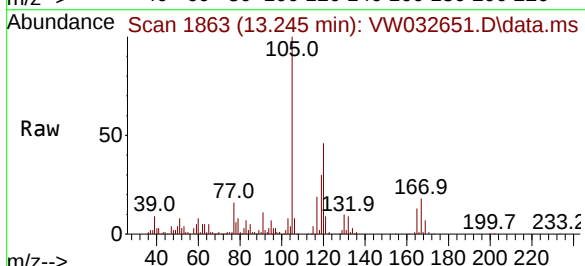
Acq: 16 Dec 2025 13:06

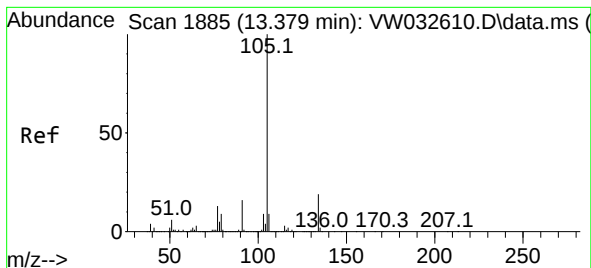
Tgt Ion:105 Resp: 62604

Ion Ratio Lower Upper

105 100

120 44.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 4.021 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

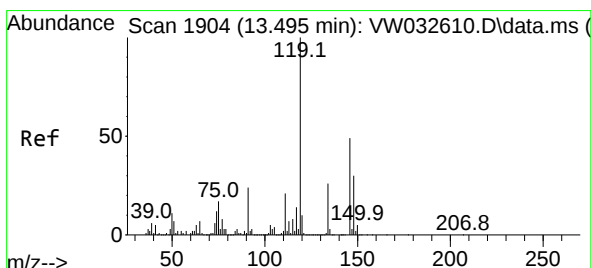
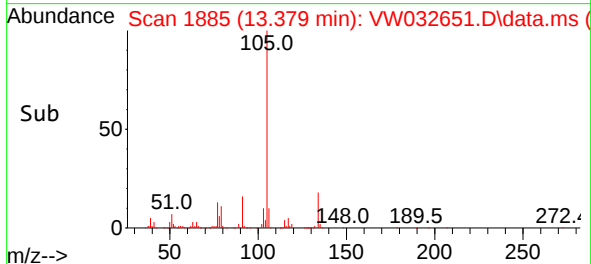
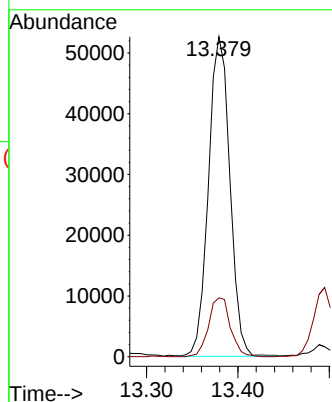
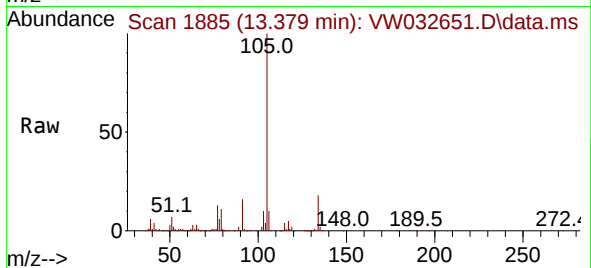
VSTDIC005

Tgt Ion:105 Resp: 85592

Ion Ratio Lower Upper

105 100

134 18.7 9.7 28.9



#86

p-Isopropyltoluene

Concen: 3.920 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

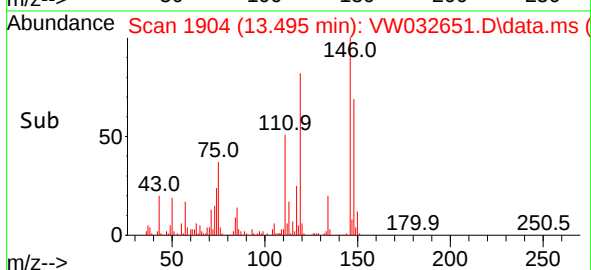
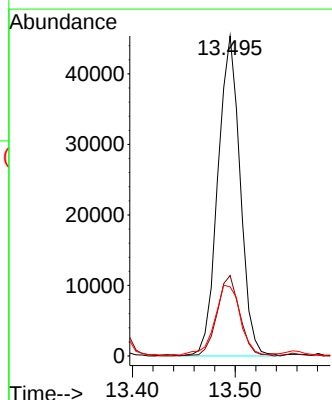
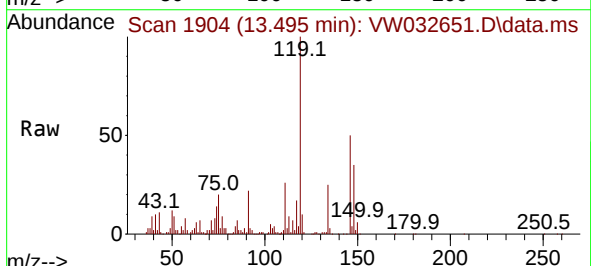
Tgt Ion:119 Resp: 68332

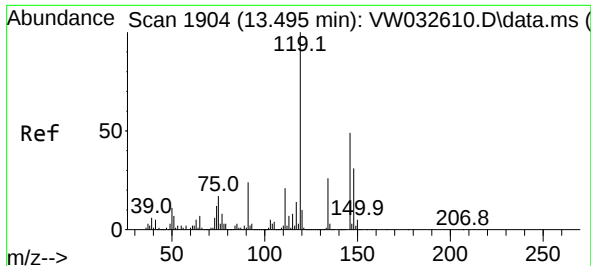
Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 25.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.424 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

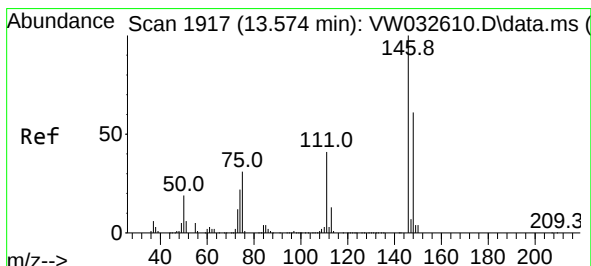
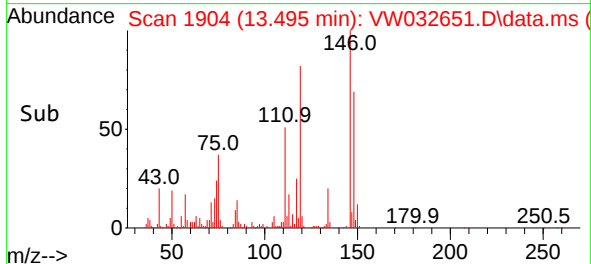
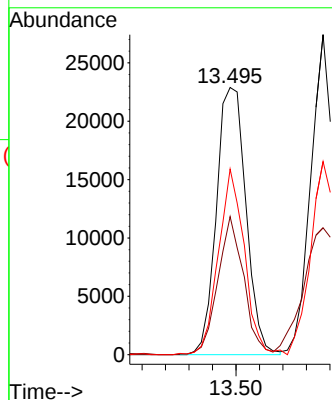
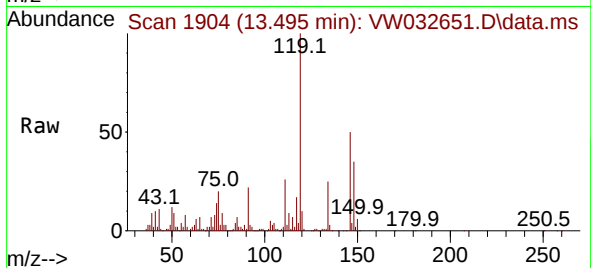
Tgt Ion:146 Resp: 40001

Ion Ratio Lower Upper

146 100

111 45.2 21.6 64.6

148 60.7 31.1 93.3



#88

1,4-Dichlorobenzene

Concen: 4.490 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

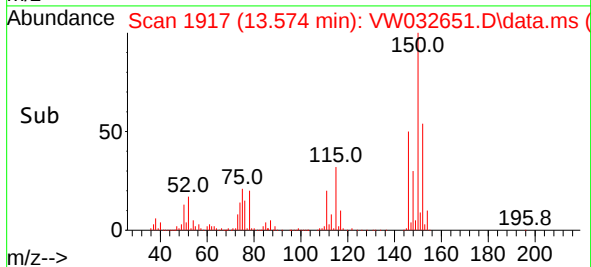
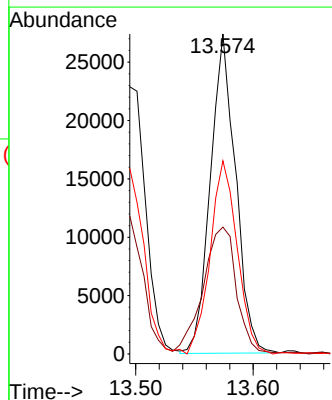
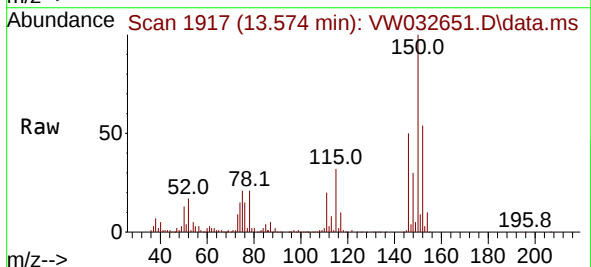
Tgt Ion:146 Resp: 40791

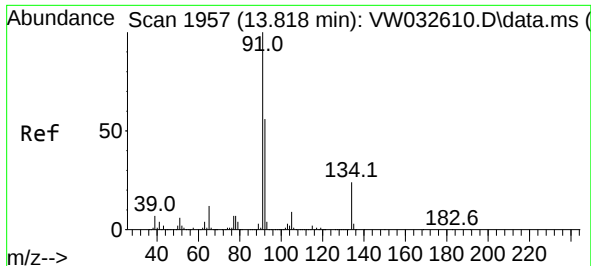
Ion Ratio Lower Upper

146 100

111 51.6 20.9 62.8

148 64.3 30.4 91.2





#89

n-Butylbenzene

Concen: 3.872 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

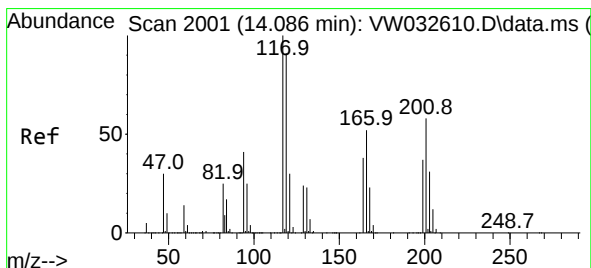
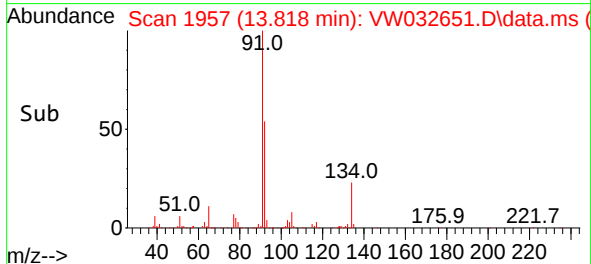
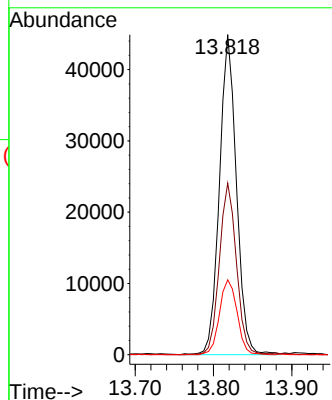
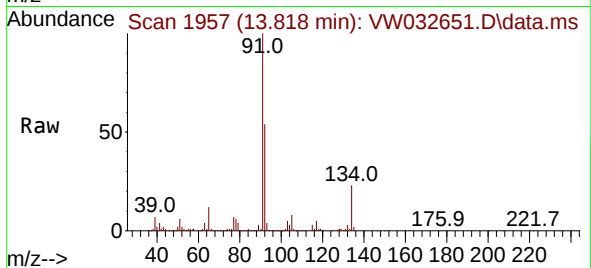
Tgt Ion: 91 Resp: 67864

Ion Ratio Lower Upper

91 100

92 53.8 27.4 82.0

134 24.2 11.8 35.4



#90

Hexachloroethane

Concen: 4.100 ug/l

RT: 14.092 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VW032651.D

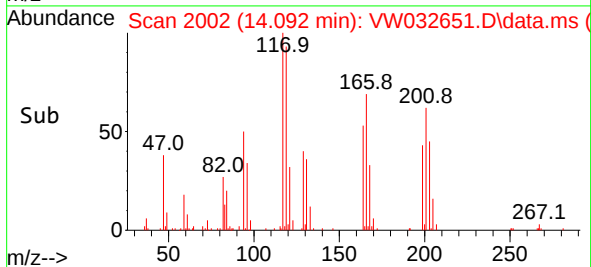
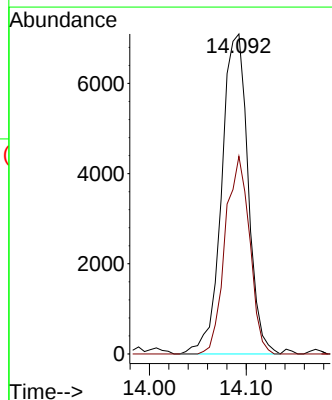
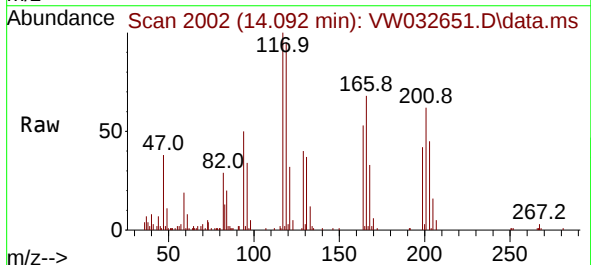
Acq: 16 Dec 2025 13:06

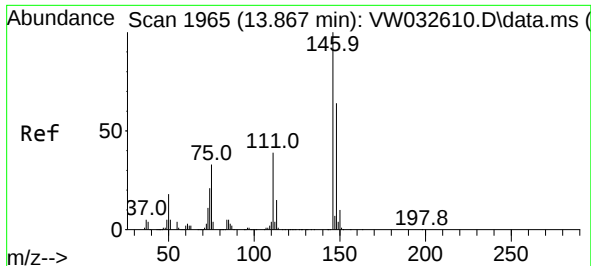
Tgt Ion: 117 Resp: 13432

Ion Ratio Lower Upper

117 100

201 57.1 30.4 91.2





#91

1,2-Dichlorobenzene

Concen: 4.231 ug/l

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

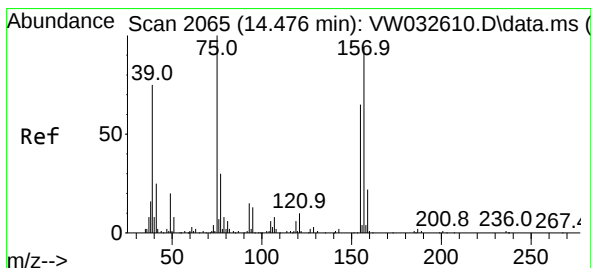
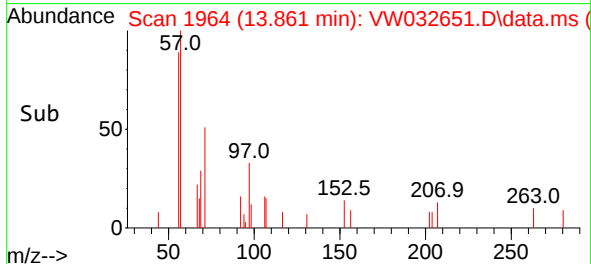
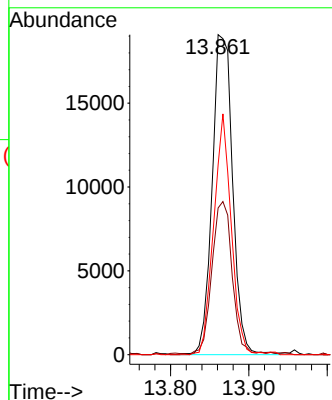
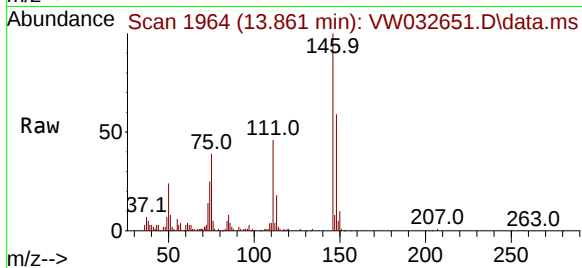
Tgt Ion:146 Resp: 34635

Ion Ratio Lower Upper

146 100

111 47.2 21.5 64.5

148 64.5 32.4 97.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.528 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

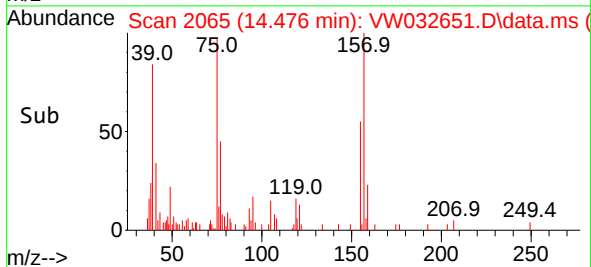
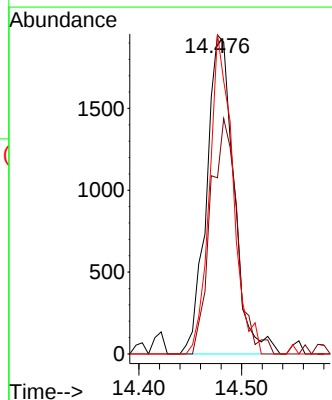
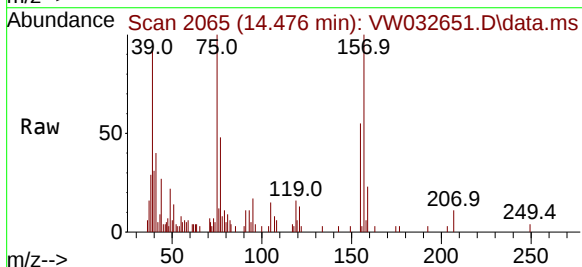
Tgt Ion: 75 Resp: 3611

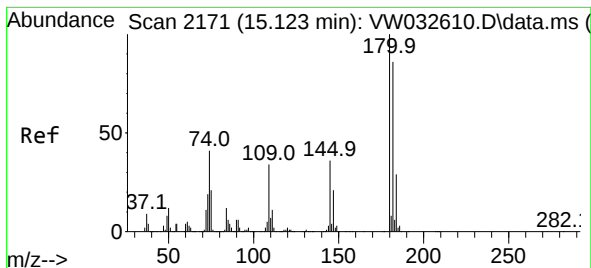
Ion Ratio Lower Upper

75 100

155 71.8 35.3 105.9

157 85.0 44.8 134.4





#93

1,2,4-Trichlorobenzene

Concen: 4.017 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

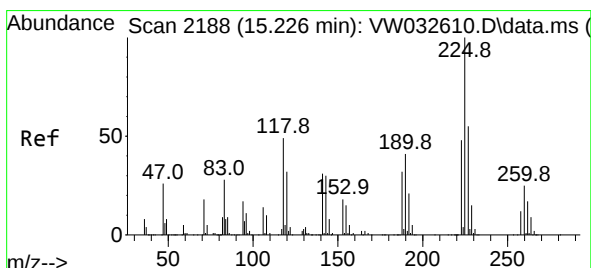
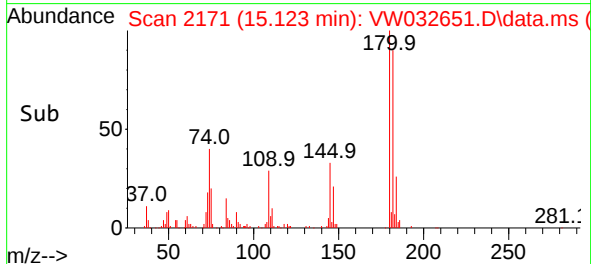
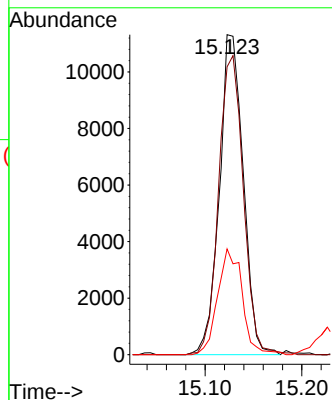
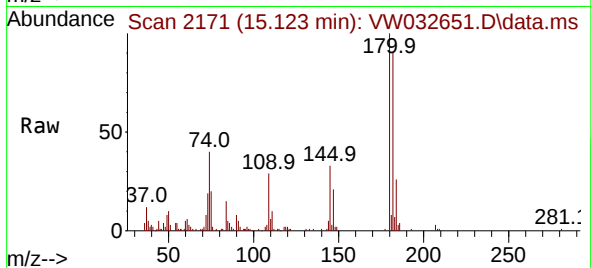
Tgt Ion:180 Resp: 19465

Ion Ratio Lower Upper

180 100

182 96.3 46.9 140.6

145 33.8 17.1 51.3



#94

Hexachlorobutadiene

Concen: 4.506 ug/l

RT: 15.232 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VW032651.D

Acq: 16 Dec 2025 13:06

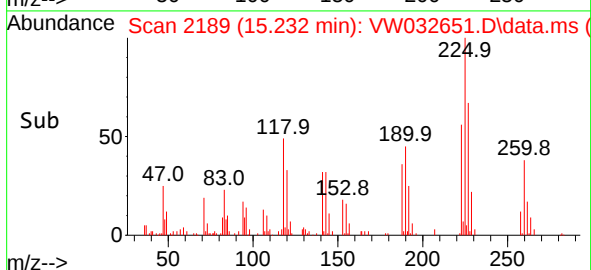
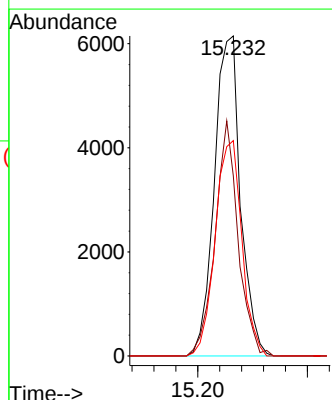
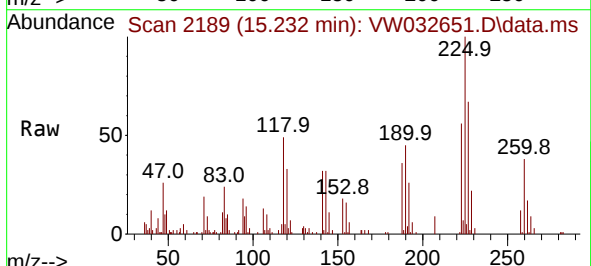
Tgt Ion:225 Resp: 10204

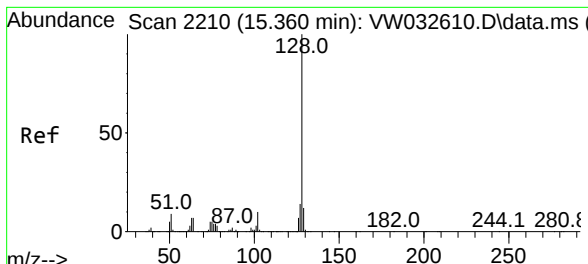
Ion Ratio Lower Upper

225 100

223 64.6 30.3 90.8

227 68.5 29.1 87.4

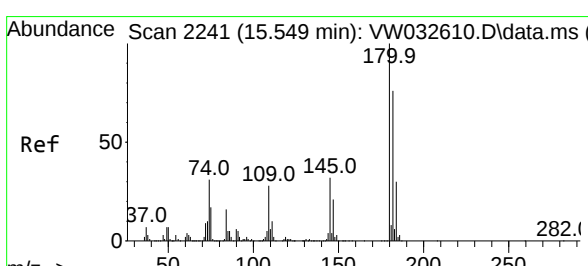
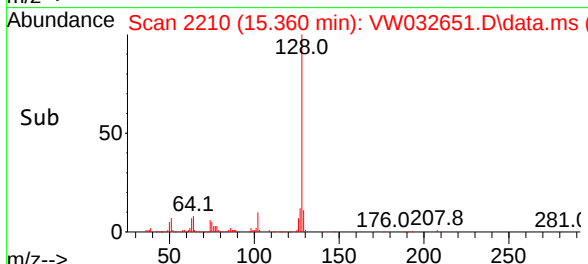
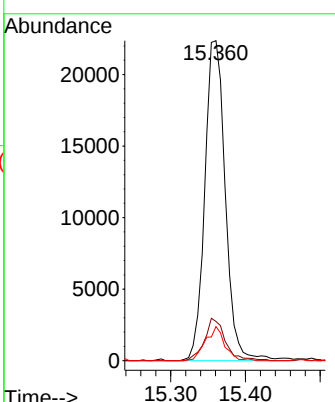
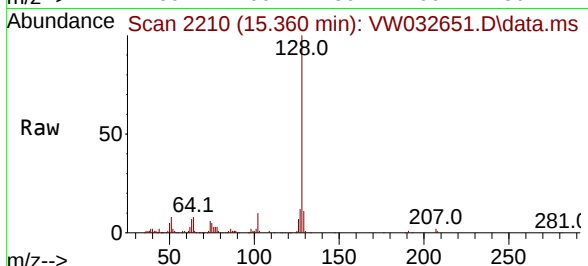




#95
 Naphthalene
 Concen: 3.747 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	128	Resp:	42683
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.0	9.0	13.6



#96
 1,2,3-Trichlorobenzene
 Concen: 4.058 ug/l
 RT: 15.543 min Scan# 2240
 Delta R.T. -0.006 min
 Lab File: VW032651.D
 Acq: 16 Dec 2025 13:06

Tgt Ion:	180	Resp:	17666
Ion Ratio	Lower	Upper	
180	100		
182	99.9	45.9	137.6
145	39.2	17.0	51.0

