

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032223.D
 Acq On : 22 Sep 2025 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 23 06:02:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	201565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	338923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	319016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	160129	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	136773	47.447	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	94.900%
35) Dibromofluoromethane	7.898	113	116527	49.005	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.000%
50) Toluene-d8	10.325	98	400288	47.953	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.900%
62) 4-Bromofluorobenzene	12.617	95	147232	47.698	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	57865	43.482	ug/l	100
3) Chloromethane	2.253	50	67935	48.689	ug/l	98
4) Vinyl Chloride	2.405	62	95701	52.807	ug/l	98
5) Bromomethane	2.826	94	79900	49.371	ug/l	100
6) Chloroethane	2.972	64	68333	53.541	ug/l	99
7) Trichlorofluoromethane	3.308	101	104590	58.246	ug/l	92
8) Diethyl Ether	3.722	74	62205	46.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	102582	50.713	ug/l	97
10) Methyl Iodide	4.308	142	149293	48.471	ug/l	99
11) Tert butyl alcohol	5.216	59	37015	209.926	ug/l	98
12) 1,1-Dichloroethene	4.076	96	107309	50.373	ug/l	94
13) Acrolein	3.930	56	10958	40.430	ug/l	90
14) Allyl chloride	4.704	41	147896	48.876	ug/l	99
15) Acrylonitrile	5.405	53	154080	236.502	ug/l	98
16) Acetone	4.161	43	153256	245.486	ug/l	99
17) Carbon Disulfide	4.423	76	245062	45.994	ug/l	99
18) Methyl Acetate	4.716	43	108442	54.518	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	196919	48.951	ug/l	98
20) Methylene Chloride	4.960	84	117308	45.426	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	112076	47.095	ug/l	91
22) Diisopropyl ether	6.344	45	334231	50.750	ug/l	97
23) Vinyl Acetate	6.283	43	1045709	233.539	ug/l	100
24) 1,1-Dichloroethane	6.246	63	206995	48.010	ug/l	98
25) 2-Butanone	7.197	43	208486	235.671	ug/l	98
26) 2,2-Dichloropropane	7.191	77	123082	53.907	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	134957	46.604	ug/l	98
28) Bromochloromethane	7.533	49	100484	50.912	ug/l	96
29) Tetrahydrofuran	7.551	42	135394	240.845	ug/l	98
30) Chloroform	7.691	83	237451	48.237	ug/l	98
31) Cyclohexane	7.972	56	160596	45.381	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	180474	50.223	ug/l	100
36) 1,1-Dichloropropene	8.100	75	154132	49.993	ug/l	99
37) Ethyl Acetate	7.277	43	88890	48.061	ug/l	99
38) Carbon Tetrachloride	8.081	117	167520	50.685	ug/l	96
39) Methylcyclohexane	9.343	83	177919	48.722	ug/l	98
40) Benzene	8.337	78	467092	49.012	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	48455	47.156	ug/l	98
42) 1,2-Dichloroethane	8.410	62	159924	48.406	ug/l	100
43) Isopropyl Acetate	8.435	43	165935	47.824	ug/l	99
44) Trichloroethene	9.105	130	110440	46.081	ug/l	88
45) 1,2-Dichloropropane	9.374	63	111903	48.709	ug/l	100
46) Dibromomethane	9.471	93	78704	48.843	ug/l	93
47) Bromodichloromethane	9.654	83	181118	49.462	ug/l	98
48) Methyl methacrylate	9.441	41	79113	49.476	ug/l	98
49) 1,4-Dioxane	9.465	88	18128	931.121	ug/l #	81
51) 4-Methyl-2-Pentanone	10.215	43	487606	248.883	ug/l	99
52) Toluene	10.392	92	304670	48.921	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	161622	50.033	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	183776	49.859	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	101971	48.665	ug/l	97
56) Ethyl methacrylate	10.648	69	132007	49.278	ug/l	99
57) 1,3-Dichloropropane	10.934	76	169483	48.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	384960	269.232	ug/l	100
59) 2-Hexanone	10.971	43	347938	255.356	ug/l	97
60) Dibromochloromethane	11.129	129	123643	48.765	ug/l	95
61) 1,2-Dibromoethane	11.233	107	97655	47.392	ug/l	100
64) Tetrachloroethene	10.861	164	95038	45.264	ug/l	92
65) Chlorobenzene	11.660	112	337525	46.483	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	118520	49.577	ug/l	100
67) Ethyl Benzene	11.733	91	578447	48.621	ug/l	95
68) m/p-Xylenes	11.837	106	445188	97.229	ug/l	97
69) o-Xylene	12.166	106	212938	49.166	ug/l	96
70) Styrene	12.178	104	374120	49.003	ug/l	99
71) Bromoform	12.349	173	68336	48.129	ug/l #	97
73) Isopropylbenzene	12.465	105	545785	50.170	ug/l	100
74) N-amyl acetate	12.270	43	152061	48.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	126561	48.954	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	157973	78.746	ug/l	39
77) Bromobenzene	12.745	156	132772	47.861	ug/l	98
78) n-propylbenzene	12.800	91	703032	53.230	ug/l	96
79) 2-Chlorotoluene	12.891	91	397880	49.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	462318	50.195	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	38724	51.973	ug/l	97
82) 4-Chlorotoluene	12.983	91	424959	49.156	ug/l	99
83) tert-Butylbenzene	13.202	119	399646	51.174	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	480892	50.466	ug/l	99
85) sec-Butylbenzene	13.379	105	606190	51.989	ug/l	97
86) p-Isopropyltoluene	13.495	119	496375	50.059	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	260788	46.689	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	272417	48.657	ug/l	94
89) n-Butylbenzene	13.818	91	490976	51.936	ug/l	98
90) Hexachloroethane	14.086	117	90805	50.065	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	241854	48.905	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	21300	46.636	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	143832	45.522	ug/l	96
94) Hexachlorobutadiene	15.232	225	66097	42.180	ug/l	93
95) Naphthalene	15.360	128	337166	47.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	136642	46.501	ug/l	97

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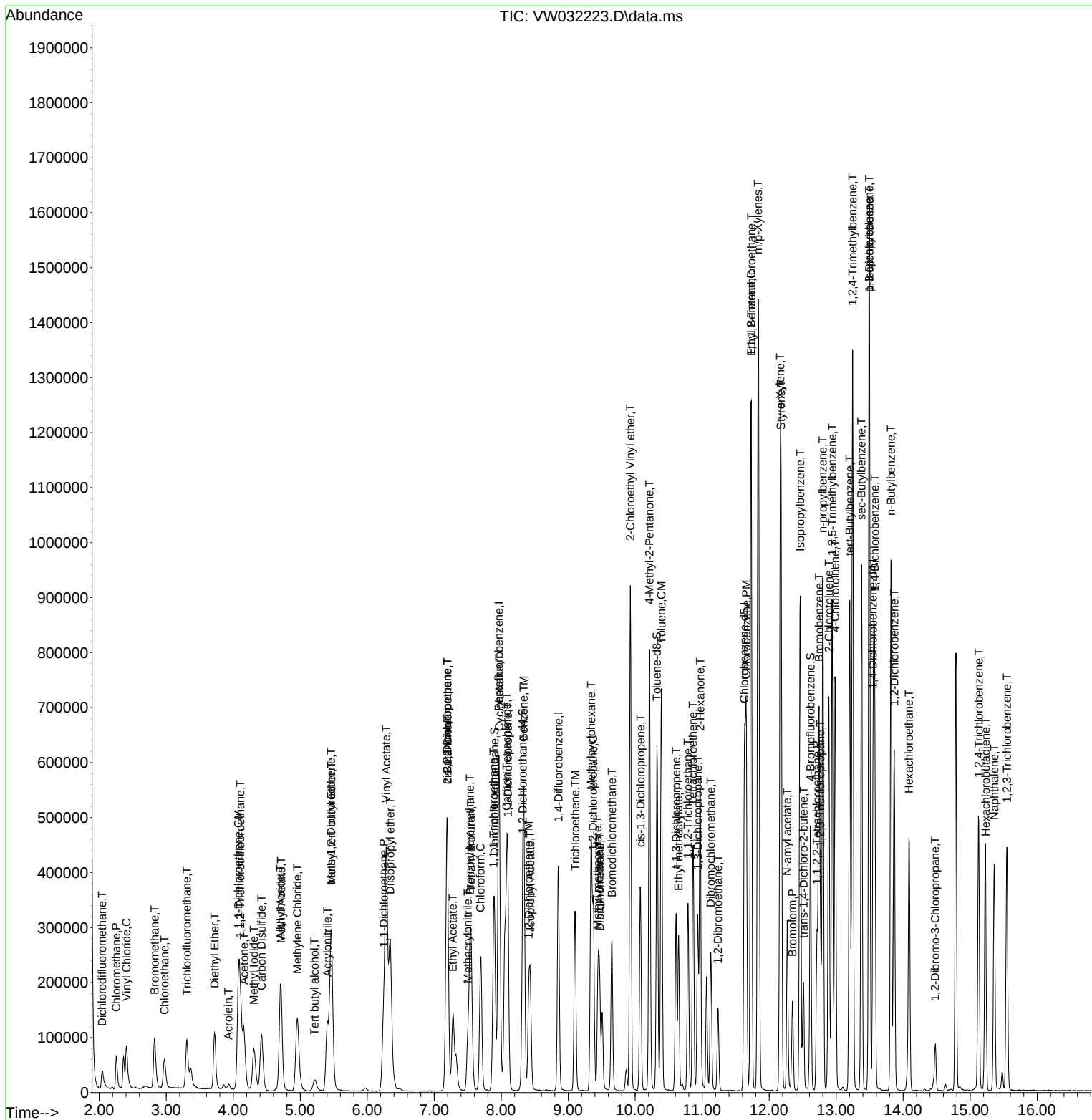
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MSVOA_W
ClientSampleId :
VSTDCCC050

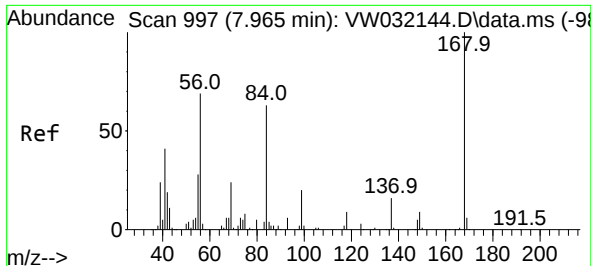
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Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

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

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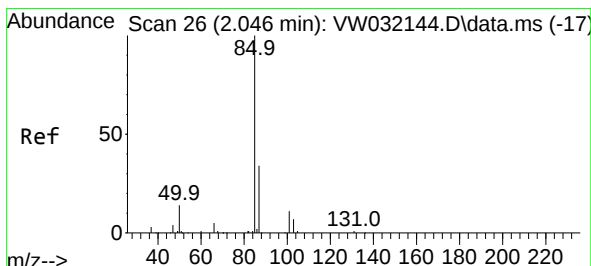
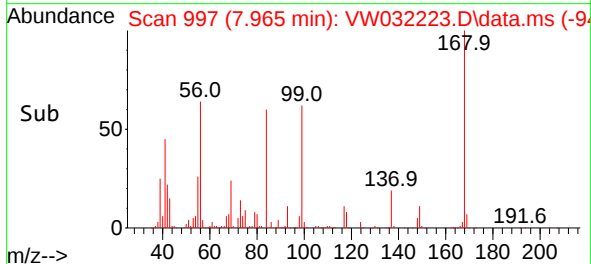
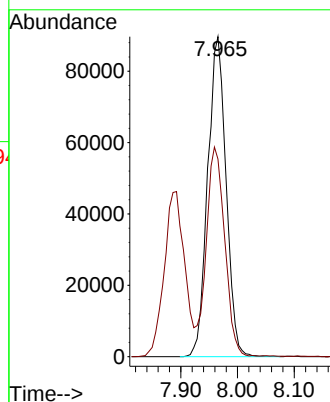
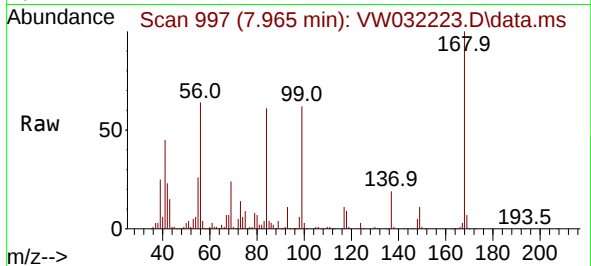




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032223.D
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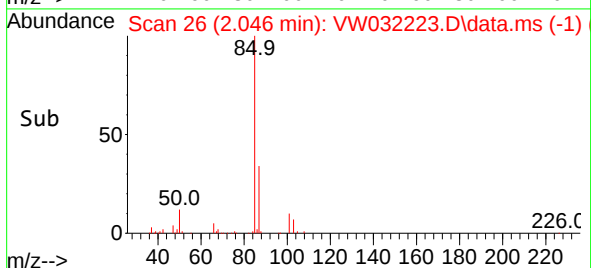
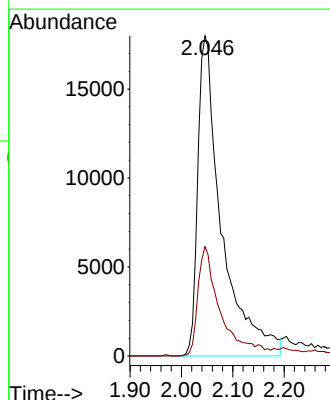
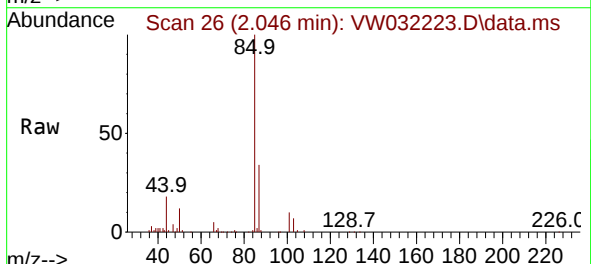
Instrument :
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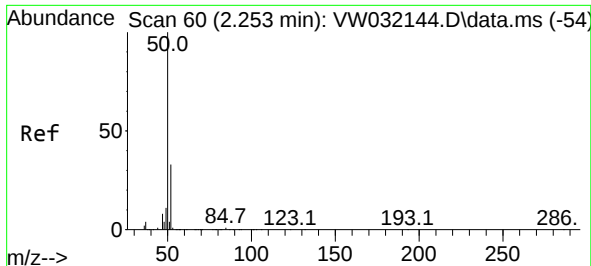
Tgt Ion:168 Resp: 201565
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 43.482 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 85 Resp: 57865
Ion Ratio Lower Upper
85 100
87 34.2 17.2 51.6

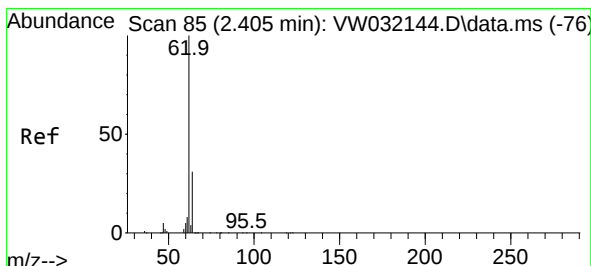
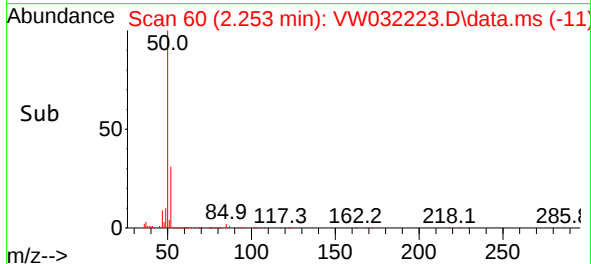
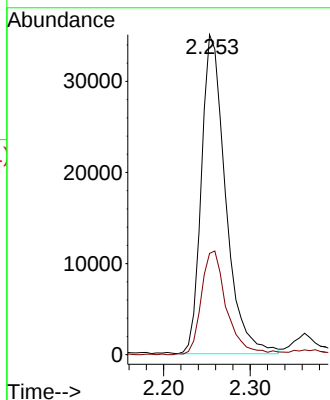
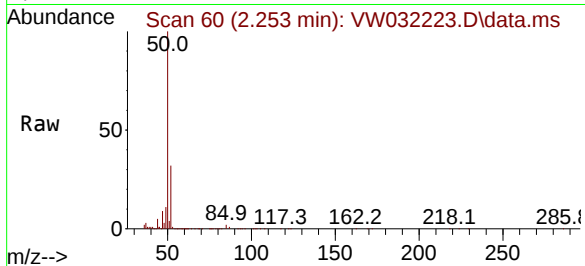




#3
Chloromethane
Concen: 48.689 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

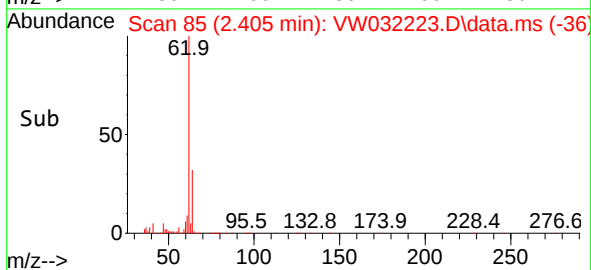
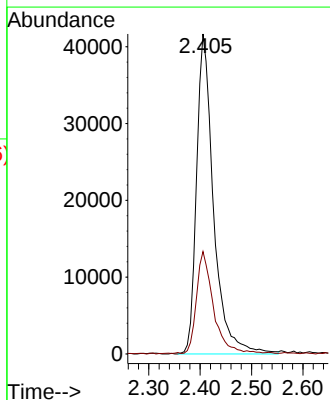
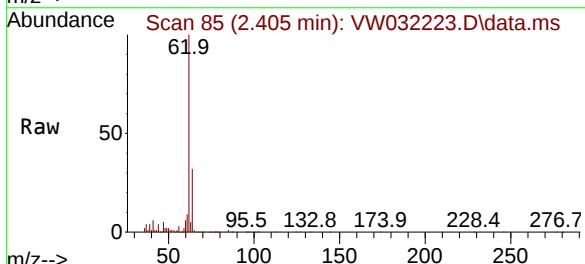
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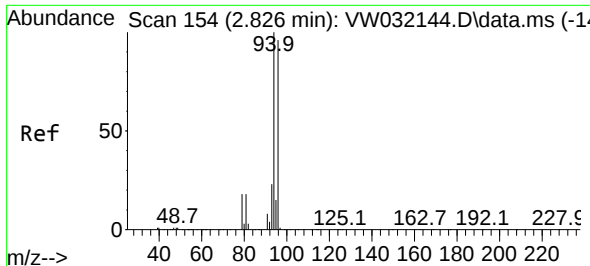
Tgt Ion: 50 Resp: 67935
Ion Ratio Lower Upper
50 100
52 31.4 26.1 39.1



#4
Vinyl Chloride
Concen: 52.807 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 62 Resp: 95701
Ion Ratio Lower Upper
62 100
64 31.8 24.8 37.2

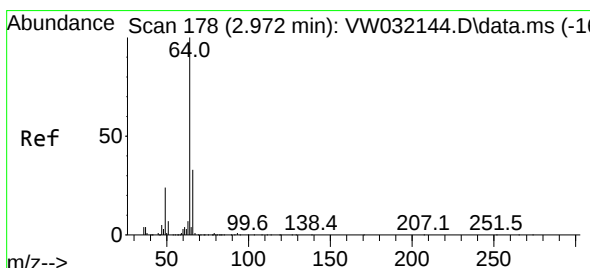
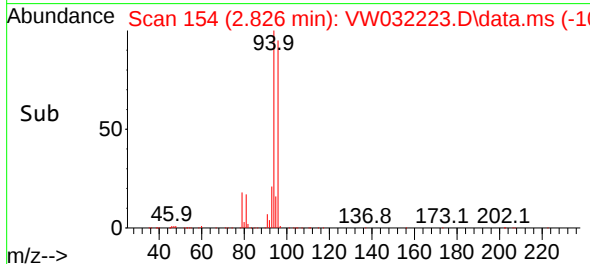
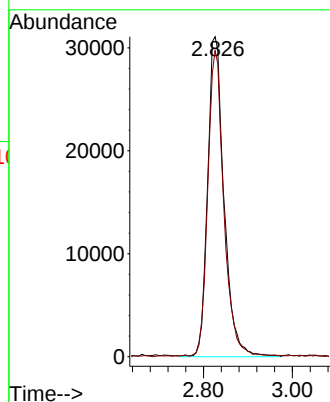
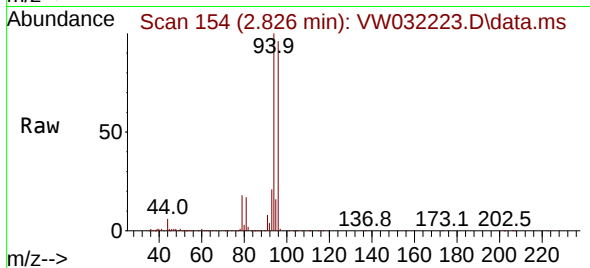




#5
Bromomethane
Concen: 49.371 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

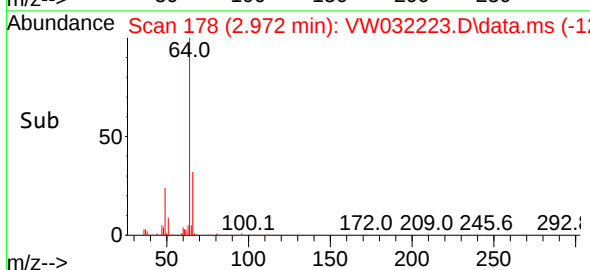
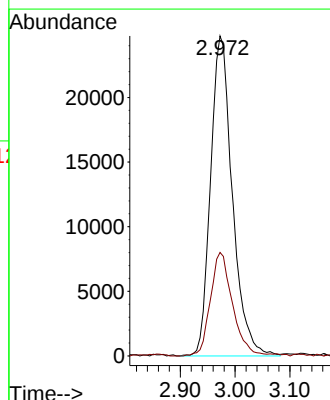
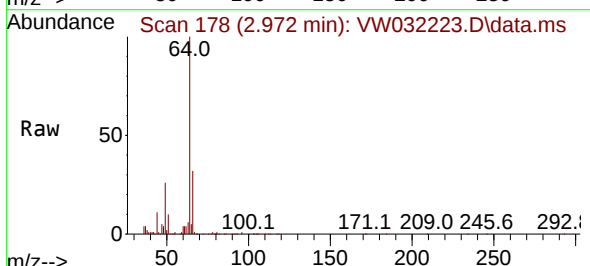
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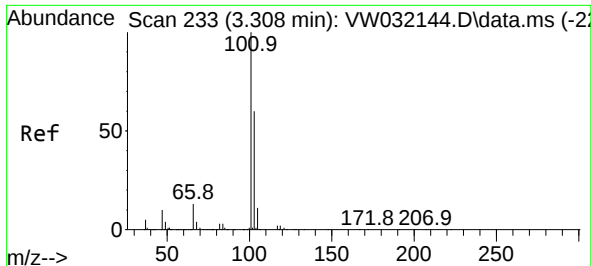
Tgt Ion: 94 Resp: 79900
Ion Ratio Lower Upper
94 100
96 95.4 76.6 115.0



#6
Chloroethane
Concen: 53.541 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 64 Resp: 68333
Ion Ratio Lower Upper
64 100
66 32.1 26.2 39.4

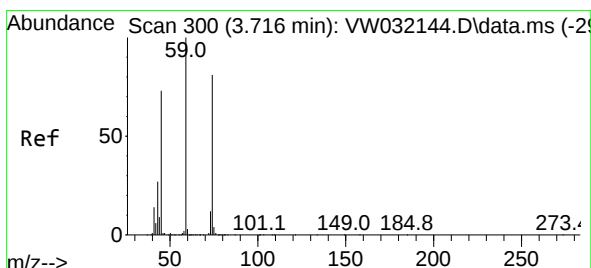
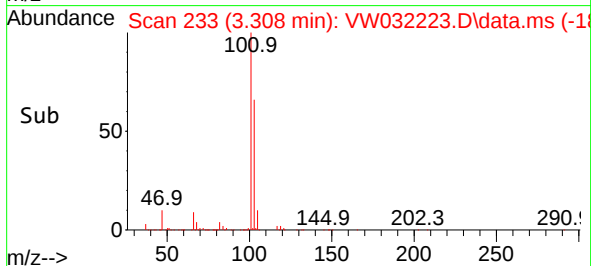
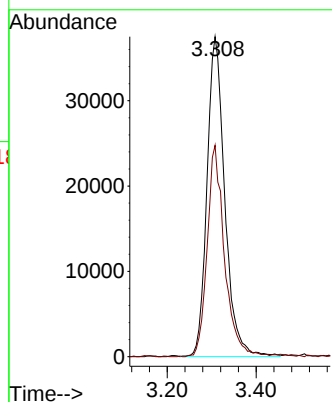
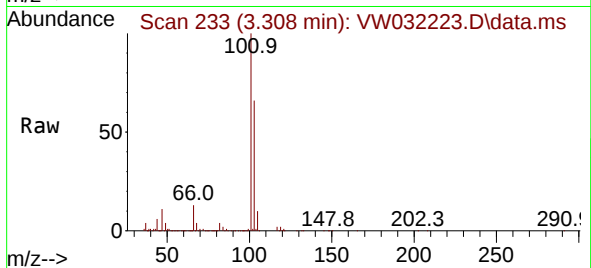




#7
 Trichlorofluoromethane
 Concen: 58.246 ug/l
 RT: 3.308 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

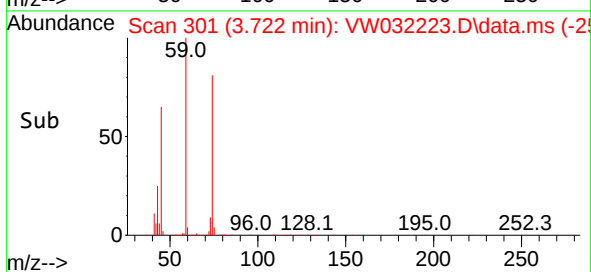
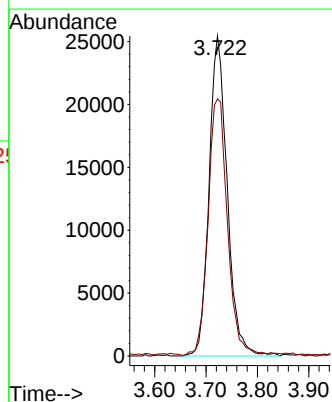
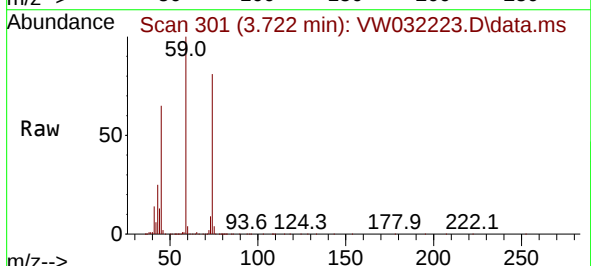
Instrument :
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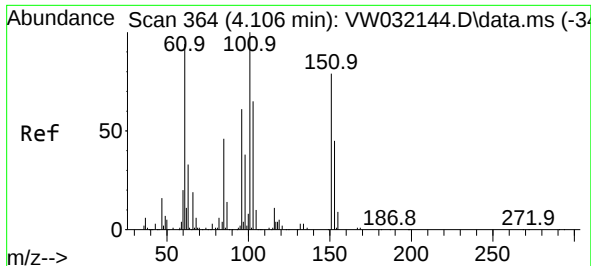
Tgt Ion:101 Resp: 104590
 Ion Ratio Lower Upper
 101 100
 103 65.9 47.8 71.8



#8
 Diethyl Ether
 Concen: 46.421 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. 0.006 min
 Lab File: VW032223.D
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Tgt Ion: 74 Resp: 62205
 Ion Ratio Lower Upper
 74 100
 45 85.5 43.1 129.4

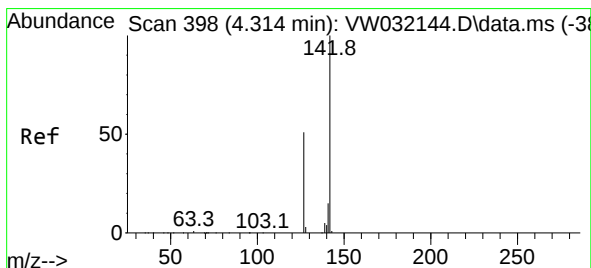
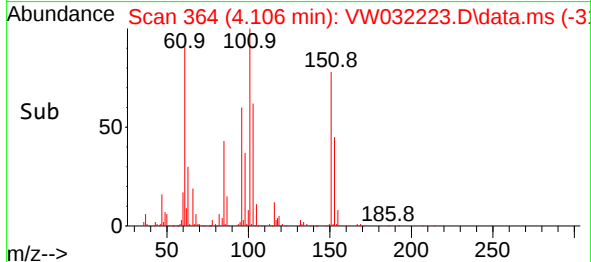
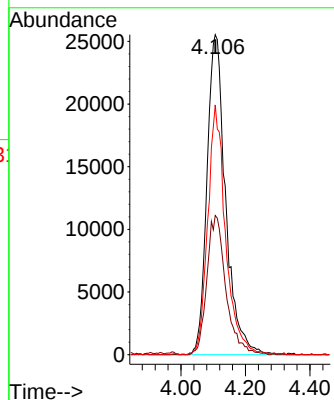
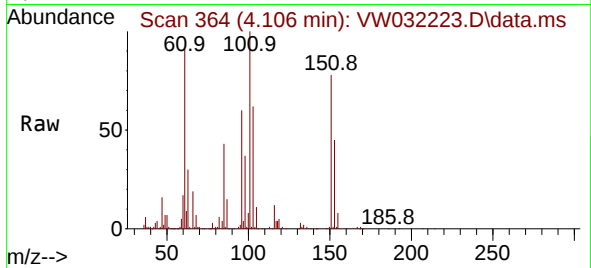




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.713 ug/l
RT: 4.106 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

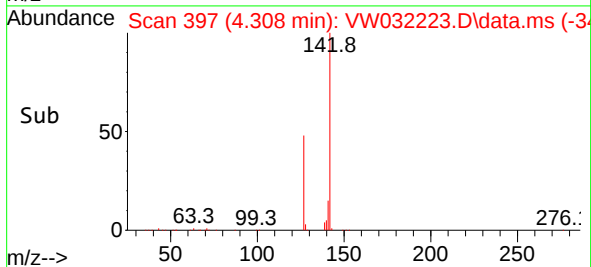
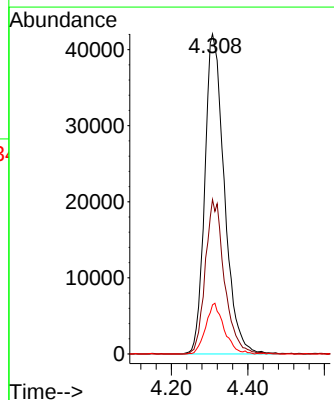
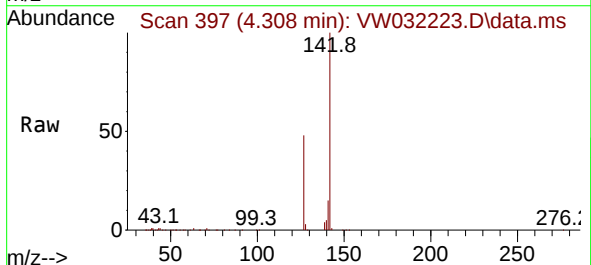
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

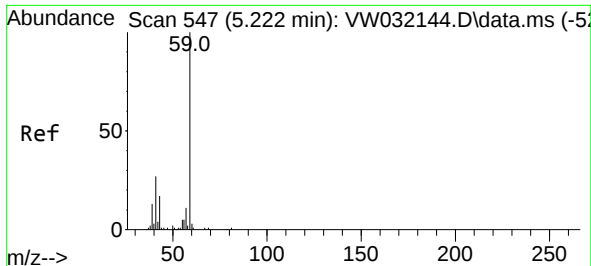
Tgt Ion:101 Resp: 102582
Ion Ratio Lower Upper
101 100
85 44.4 37.1 55.7
151 74.6 61.5 92.3



#10
Methyl Iodide
Concen: 48.471 ug/l
RT: 4.308 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion:142 Resp: 149293
Ion Ratio Lower Upper
142 100
127 47.3 38.2 57.2
141 14.9 12.2 18.2

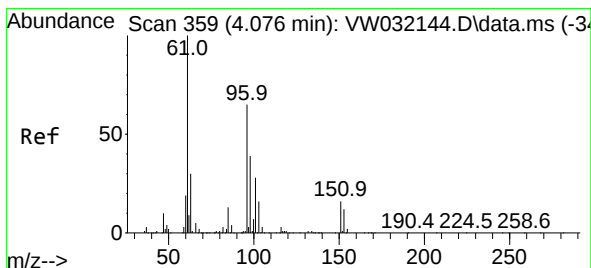
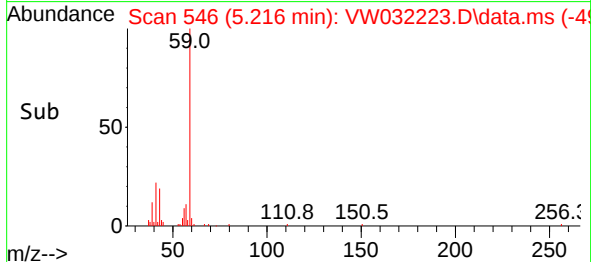
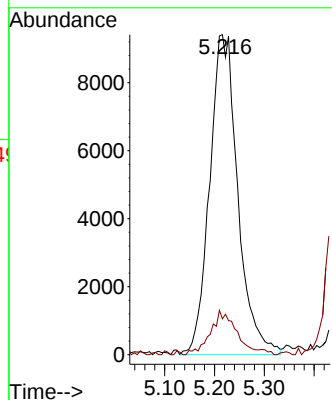
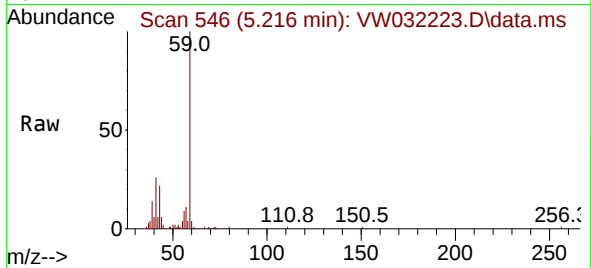




#11
Tert butyl alcohol
Concen: 209.926 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

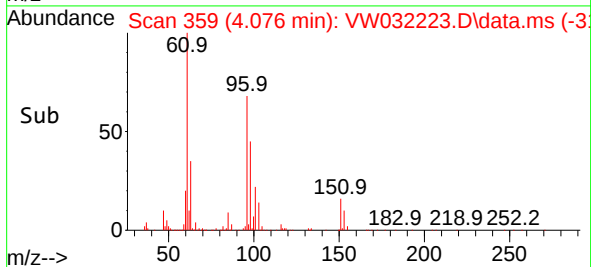
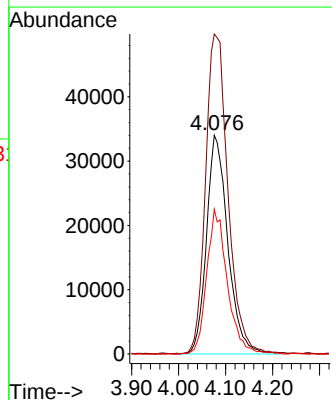
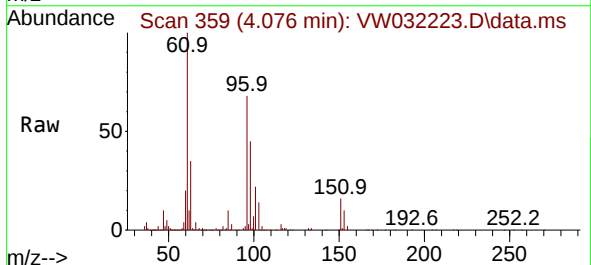
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

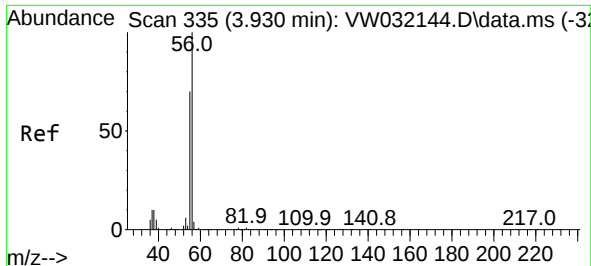
Tgt Ion: 59 Resp: 37015
Ion Ratio Lower Upper
59 100
57 13.0 9.8 14.6



#12
1,1-Dichloroethene
Concen: 50.373 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 96 Resp: 107309
Ion Ratio Lower Upper
96 100
61 146.3 123.0 184.4
98 66.0 48.5 72.7

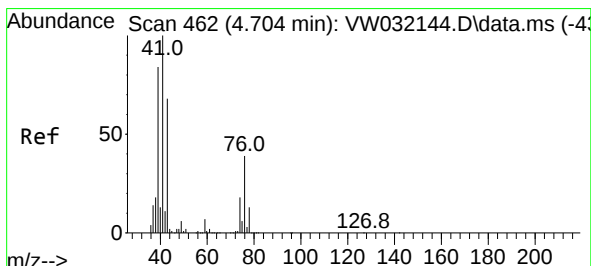
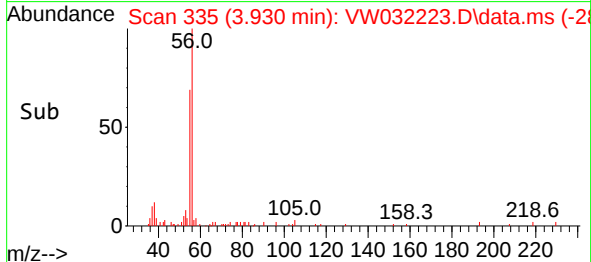
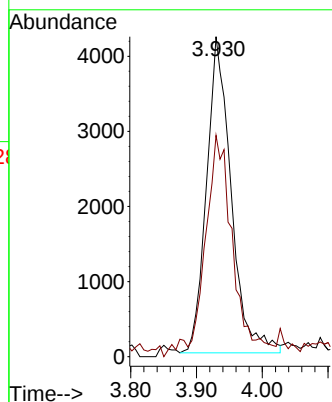
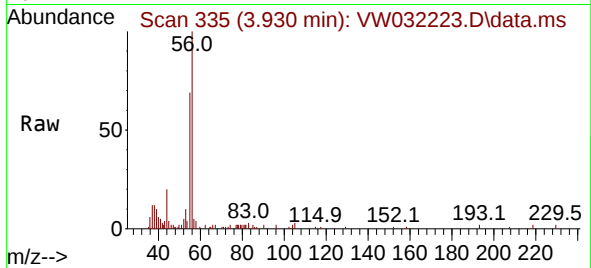




#13
Acrolein
Concen: 40.430 ug/l
RT: 3.930 min Scan# 335
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

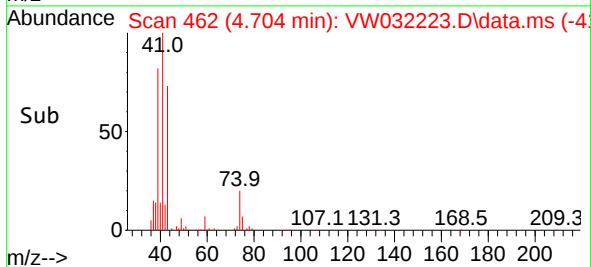
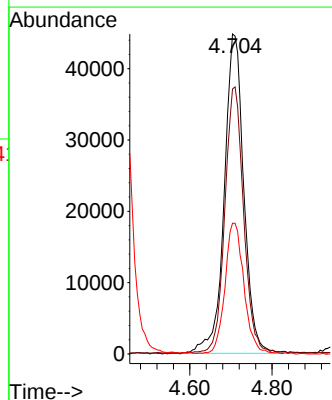
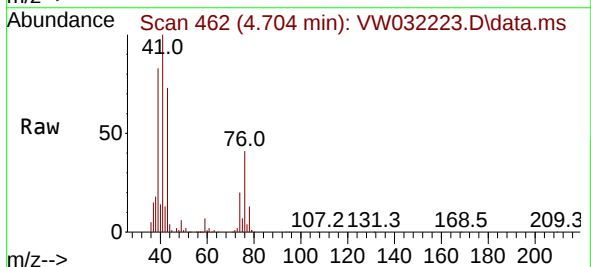
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

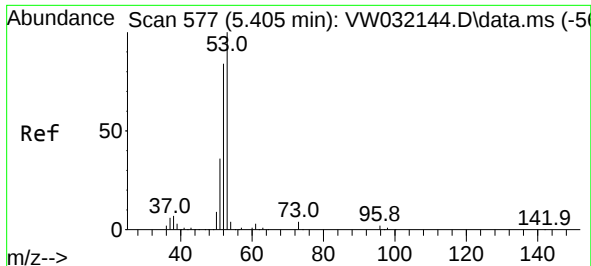
Tgt Ion: 56 Resp: 10958
Ion Ratio Lower Upper
56 100
55 78.8 56.4 84.6



#14
Allyl chloride
Concen: 48.876 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 41 Resp: 147896
Ion Ratio Lower Upper
41 100
39 81.6 64.1 96.1
76 39.5 31.4 47.2

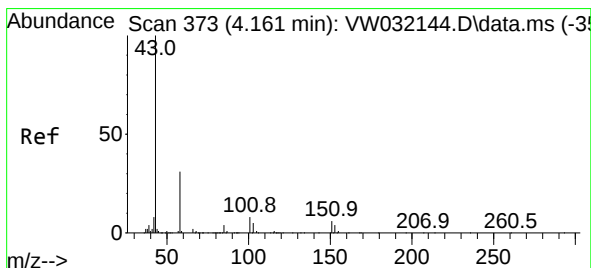
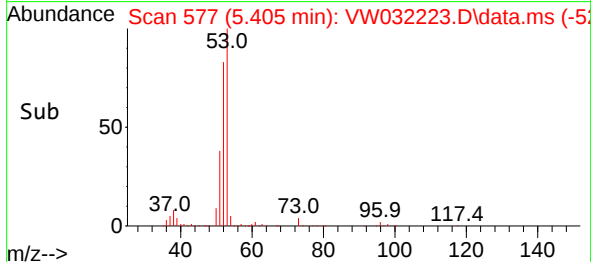
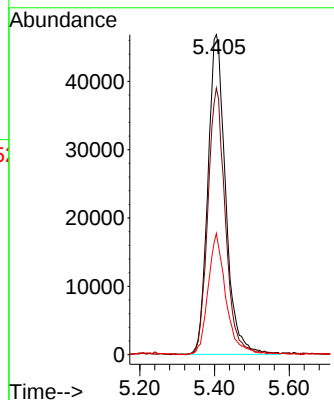
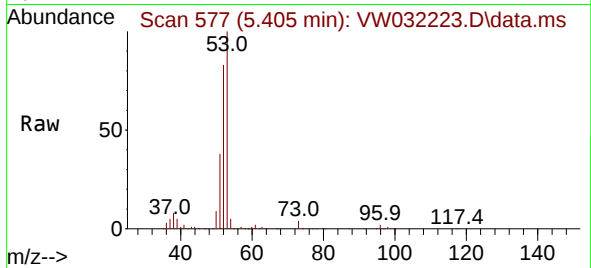




#15
Acrylonitrile
Concen: 236.502 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

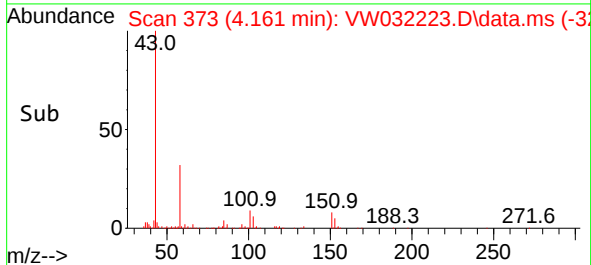
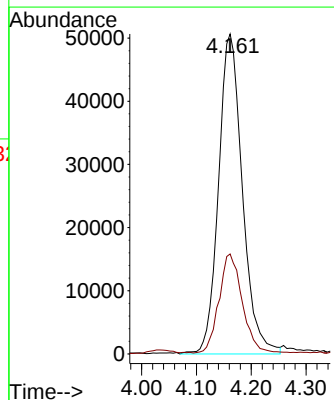
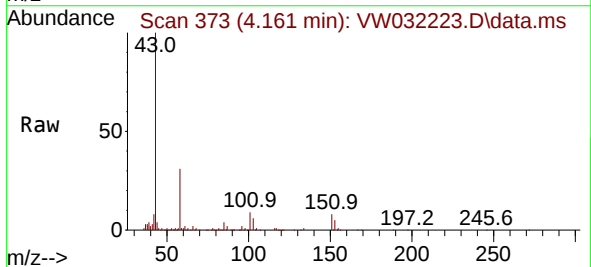
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

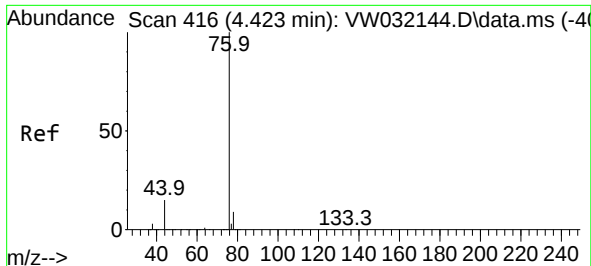
Tgt Ion: 53 Resp: 154080
Ion Ratio Lower Upper
53 100
52 82.1 67.4 101.2
51 38.2 30.3 45.5



#16
Acetone
Concen: 245.486 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 43 Resp: 153256
Ion Ratio Lower Upper
43 100
58 30.8 25.3 37.9

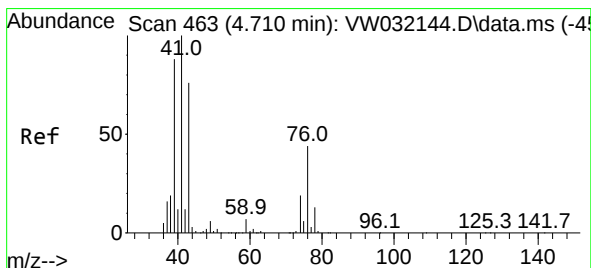
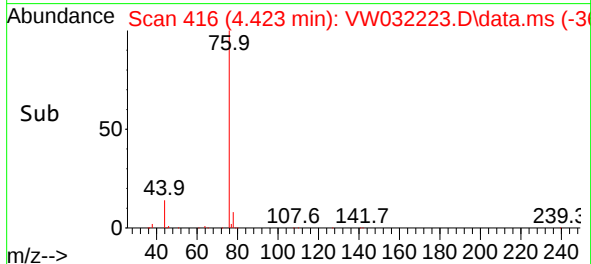
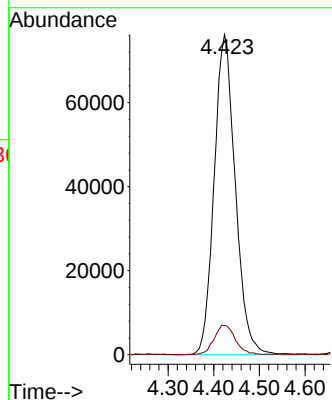
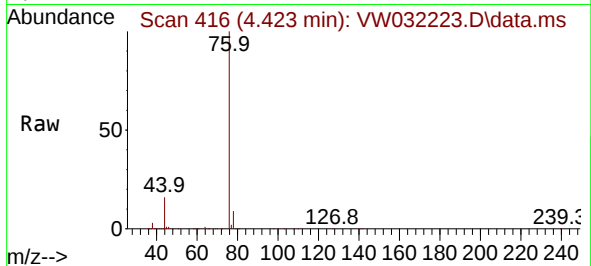




#17
Carbon Disulfide
Concen: 45.994 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

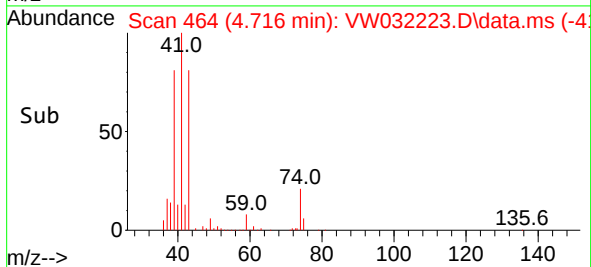
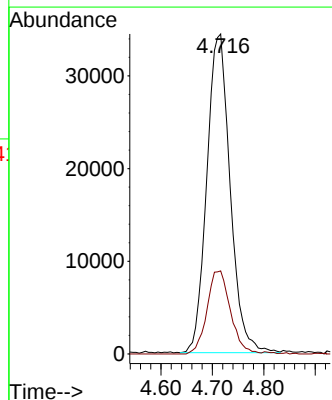
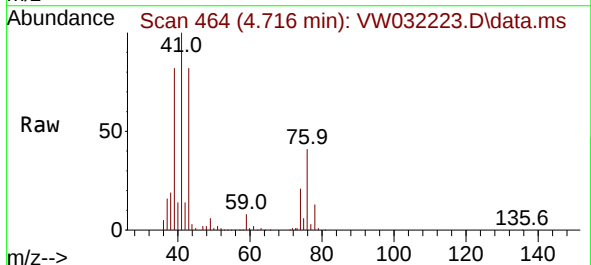
Instrument :
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ClientSampleId :
VSTDCCC050

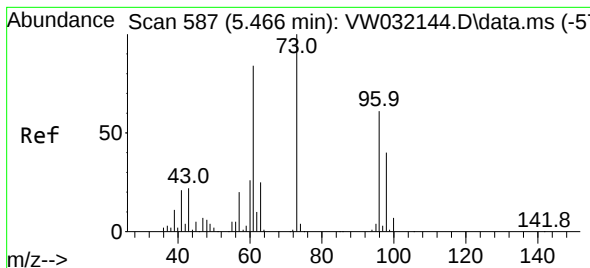
Tgt Ion: 76 Resp: 245062
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 54.518 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 43 Resp: 108442
Ion Ratio Lower Upper
43 100
74 26.1 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 48.951 ug/l

RT: 5.466 min Scan# 587

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

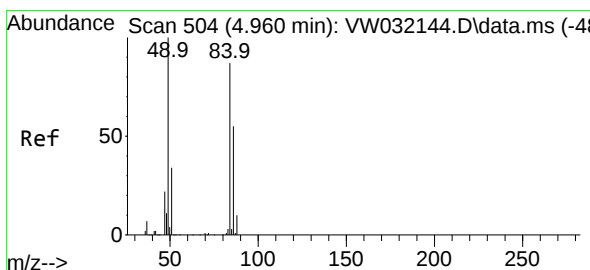
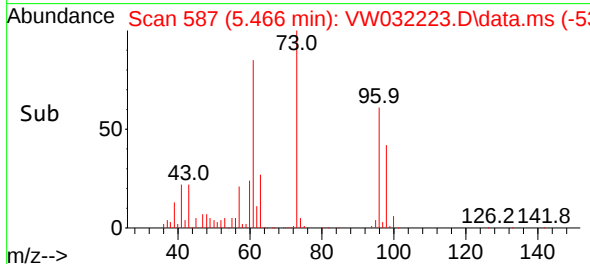
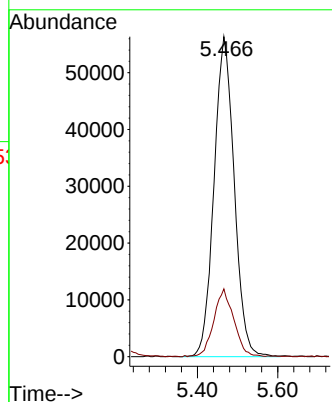
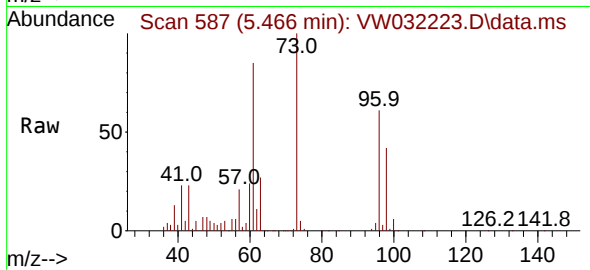
VSTDCCC050

Tgt Ion: 73 Resp: 196919

Ion Ratio Lower Upper

73 100

57 21.2 16.2 24.4



#20

Methylene Chloride

Concen: 45.426 ug/l

RT: 4.960 min Scan# 504

Delta R.T. -0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Tgt Ion: 84 Resp: 117308

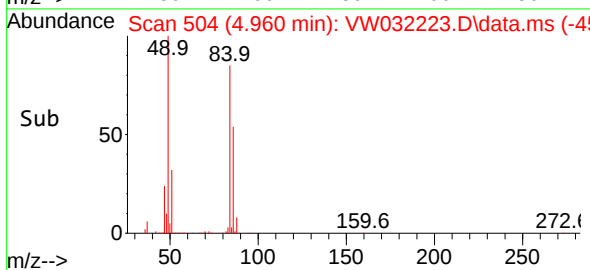
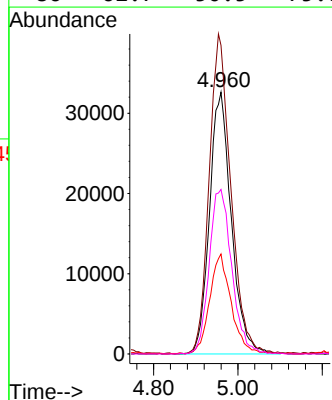
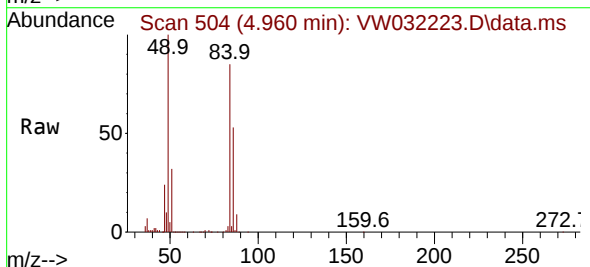
Ion Ratio Lower Upper

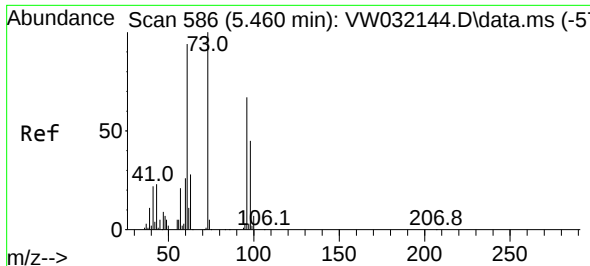
84 100

49 117.7 92.2 138.4

51 37.9 31.0 46.6

86 62.7 50.5 75.7

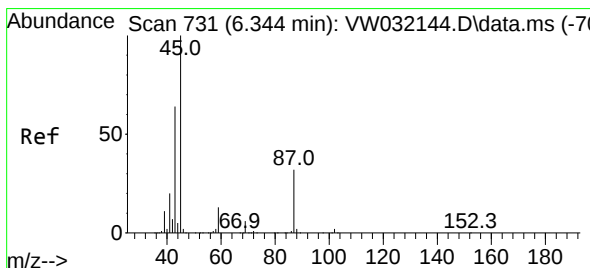
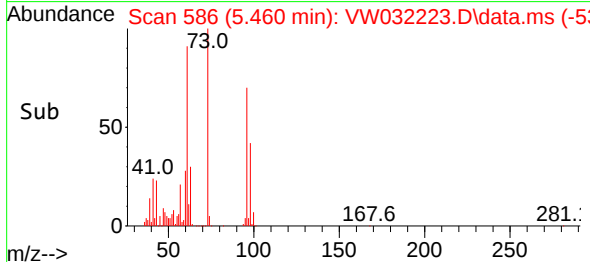
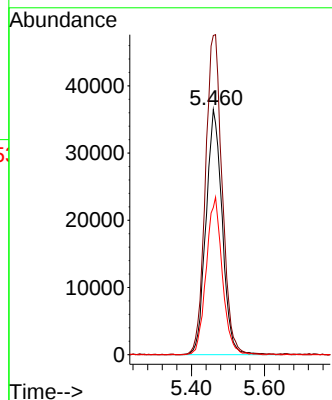
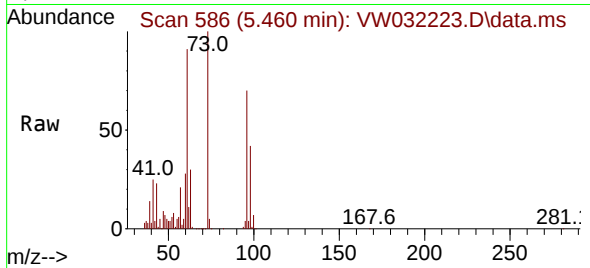




#21
trans-1,2-Dichloroethene
Concen: 47.095 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

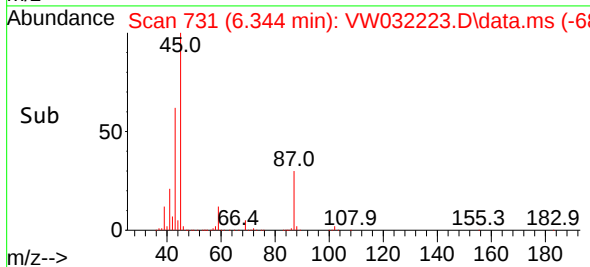
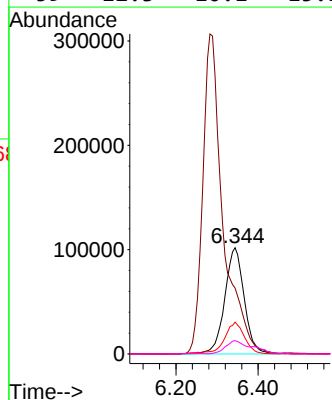
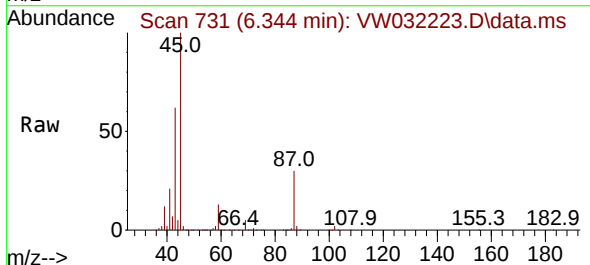
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

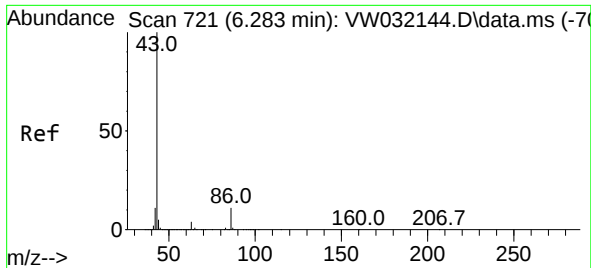
Tgt Ion: 96 Resp: 112076
Ion Ratio Lower Upper
96 100
61 130.2 112.5 168.7
98 60.1 54.2 81.4



#22
Diisopropyl ether
Concen: 50.750 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 45 Resp: 334231
Ion Ratio Lower Upper
45 100
43 62.0 51.4 77.2
87 29.8 25.9 38.9
59 12.3 10.1 15.1

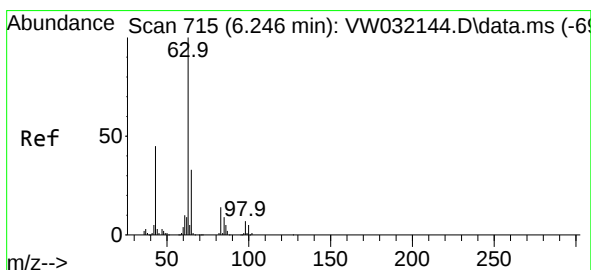
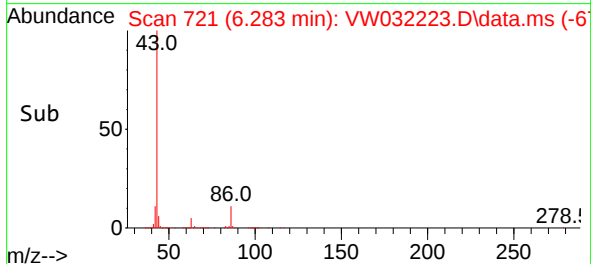
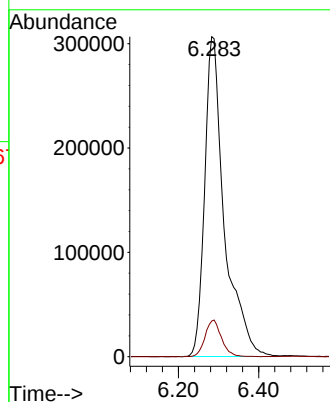
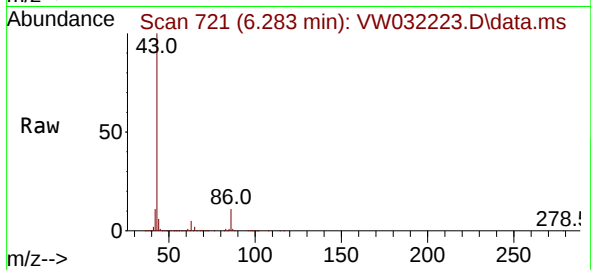




#23
 Vinyl Acetate
 Concen: 233.539 ug/l
 RT: 6.283 min Scan# 721
 Delta R.T. 0.000 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

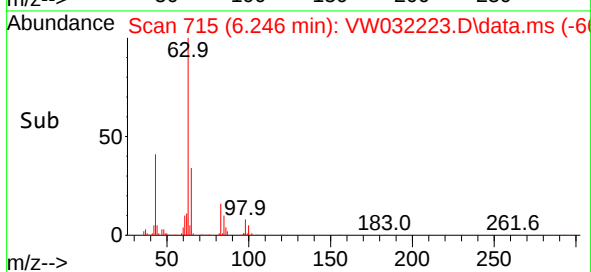
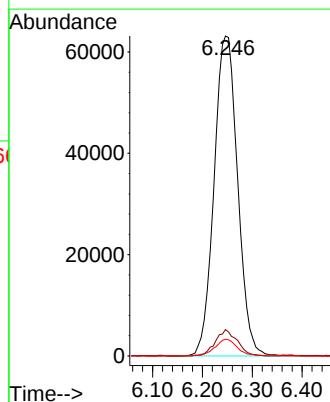
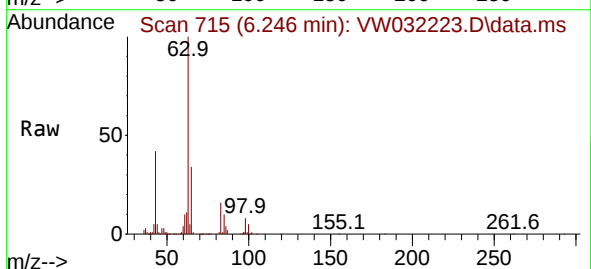
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

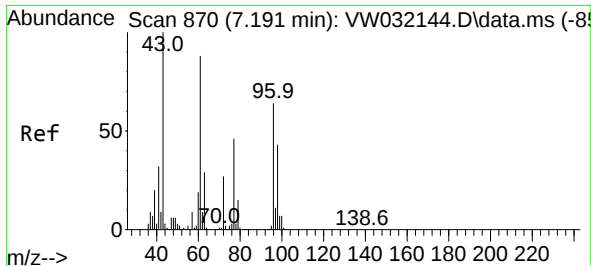
Tgt Ion: 43 Resp: 1045709
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 48.010 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

Tgt Ion: 63 Resp: 206995
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.8 11.2
 100 5.2 2.5 7.5

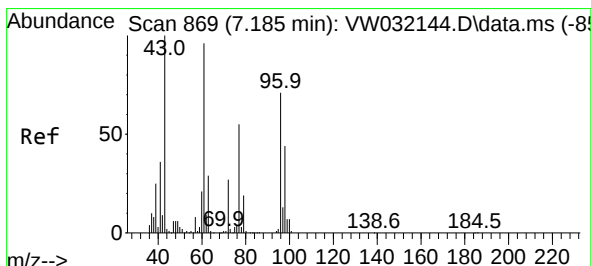
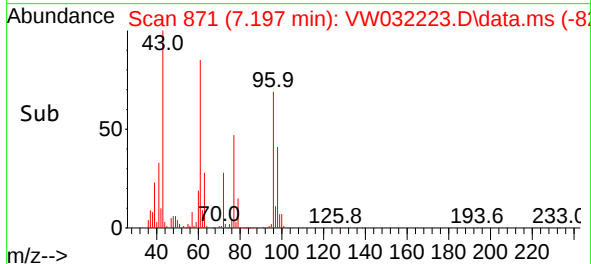
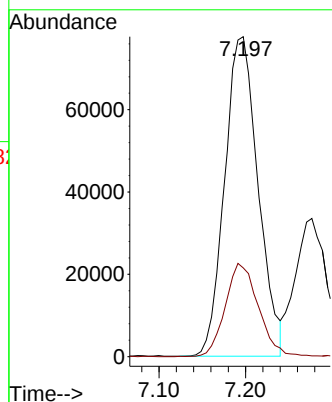
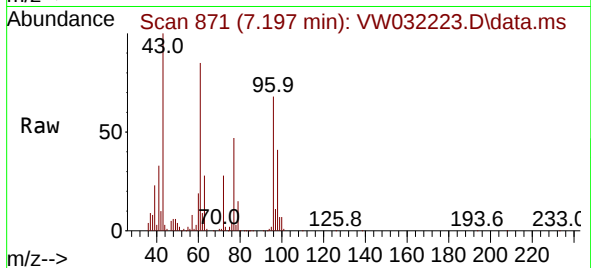




#25
2-Butanone
Concen: 235.671 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

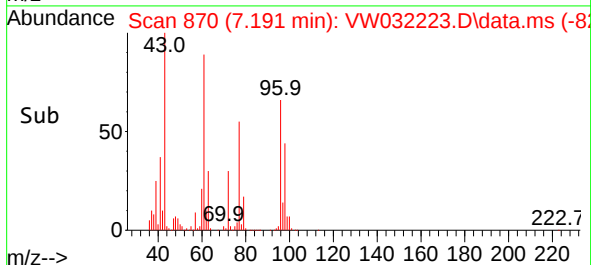
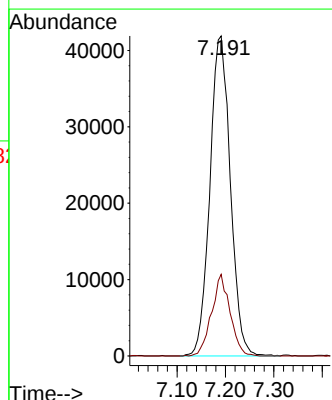
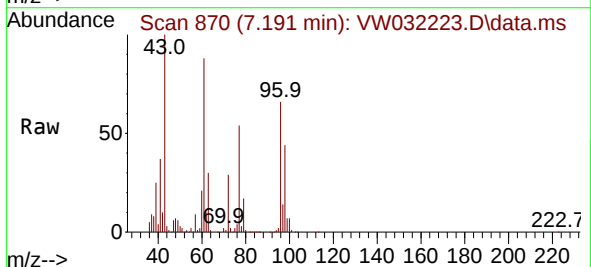
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

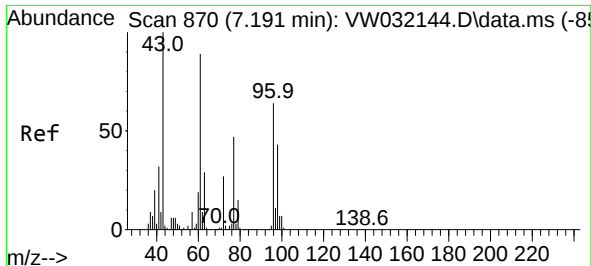
Tgt Ion: 43 Resp: 208486
Ion Ratio Lower Upper
43 100
72 27.8 21.4 32.2



#26
2,2-Dichloropropane
Concen: 53.907 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 77 Resp: 123082
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.5

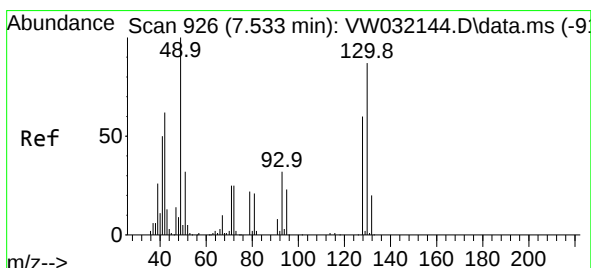
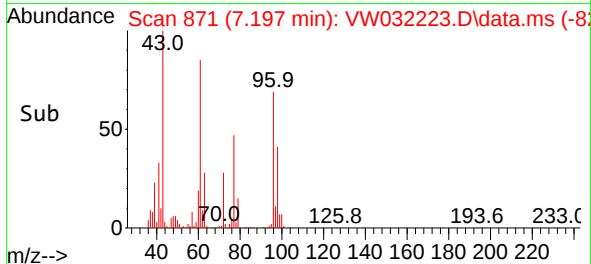
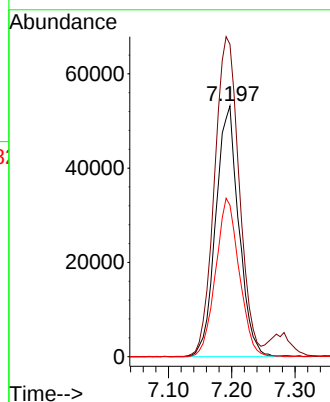
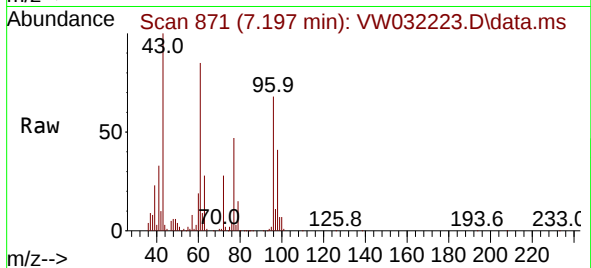




#27
 cis-1,2-Dichloroethene
 Concen: 46.604 ug/l
 RT: 7.197 min Scan# 871
 Delta R.T. 0.006 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

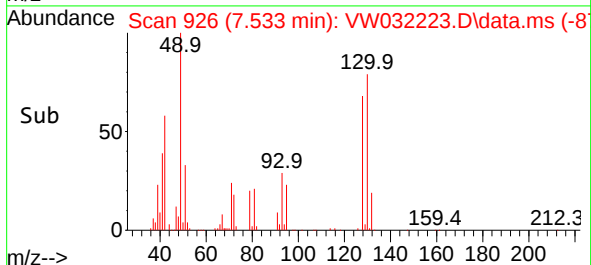
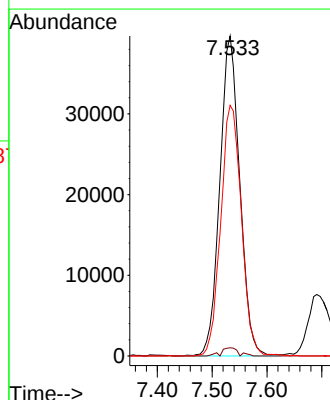
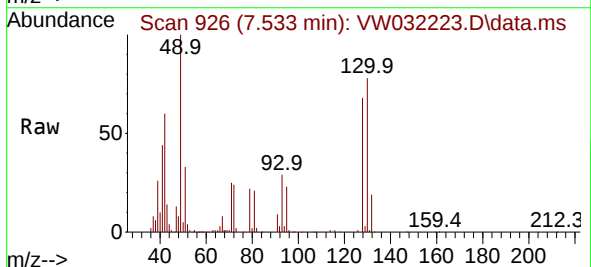
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

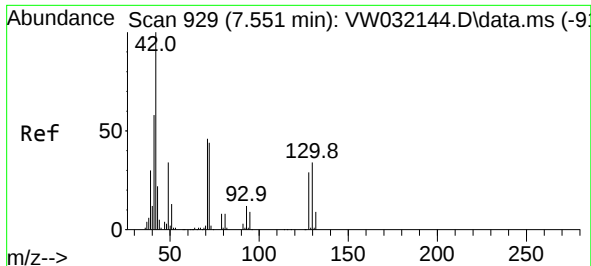
Tgt Ion: 96 Resp: 134957
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 268.0
 98 64.5 0.0 130.8



#28
 Bromochloromethane
 Concen: 50.912 ug/l
 RT: 7.533 min Scan# 926
 Delta R.T. 0.000 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

Tgt Ion: 49 Resp: 100484
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 81.0 67.5 101.3





#29

Tetrahydrofuran

Concen: 240.845 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

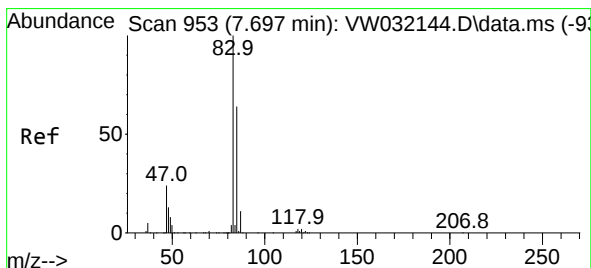
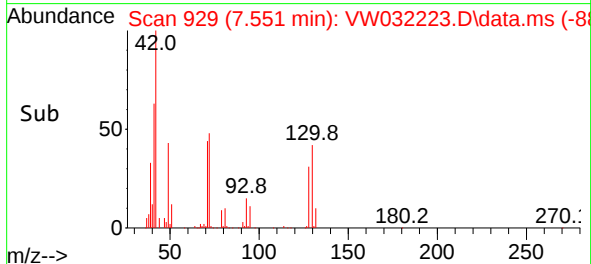
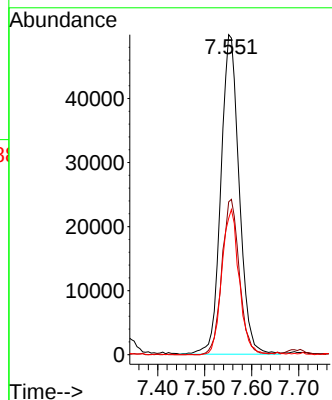
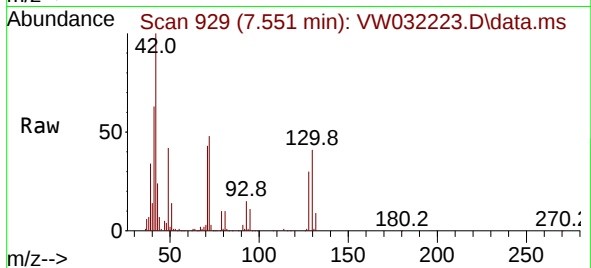
Tgt Ion: 42 Resp: 135394

Ion Ratio Lower Upper

42 100

72 46.5 37.4 56.2

71 43.0 36.0 54.0



#30

Chloroform

Concen: 48.237 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.006 min

Lab File: VW032223.D

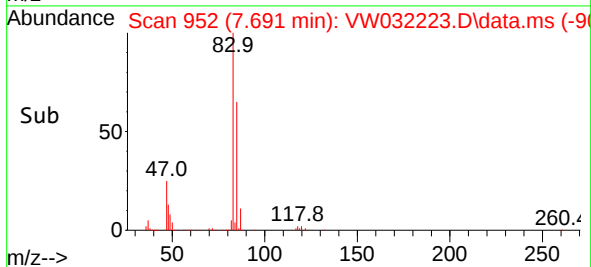
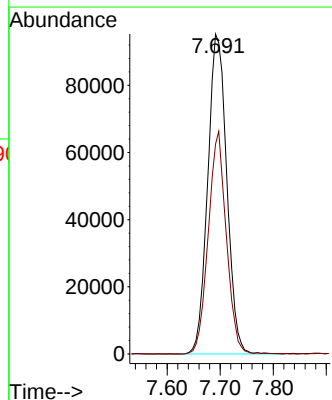
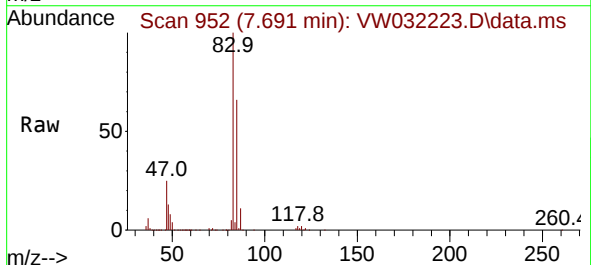
Acq: 22 Sep 2025 08:47

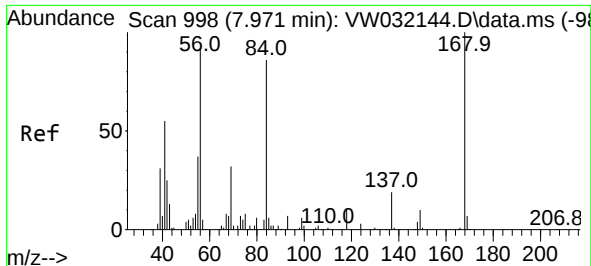
Tgt Ion: 83 Resp: 237451

Ion Ratio Lower Upper

83 100

85 65.6 51.2 76.8

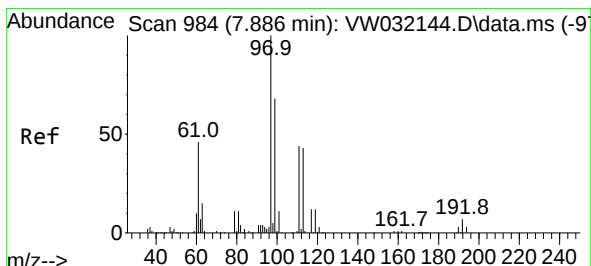
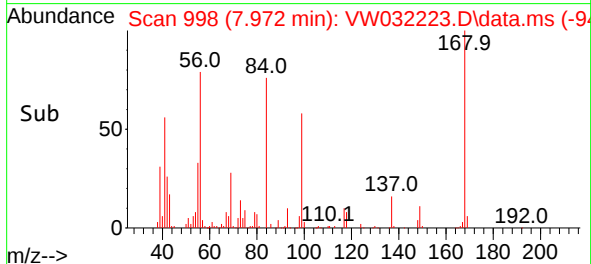
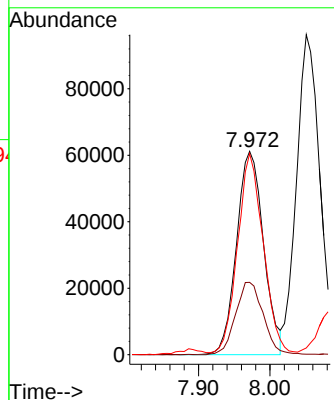
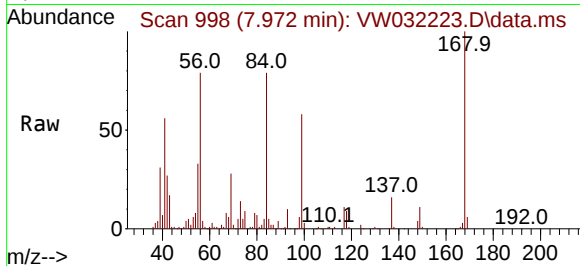




#31
Cyclohexane
Concen: 45.381 ug/l
RT: 7.972 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

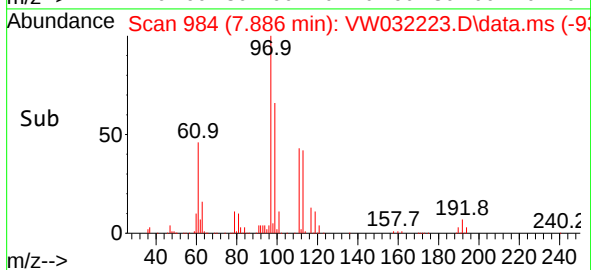
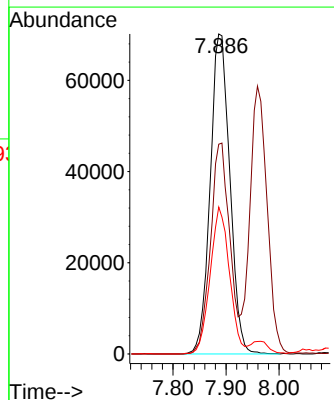
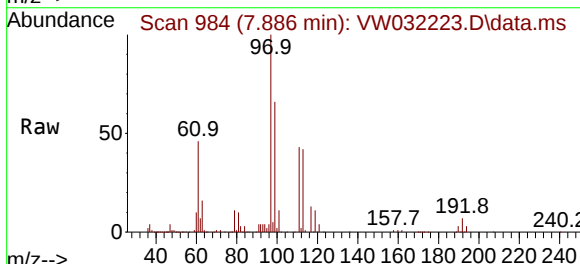
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

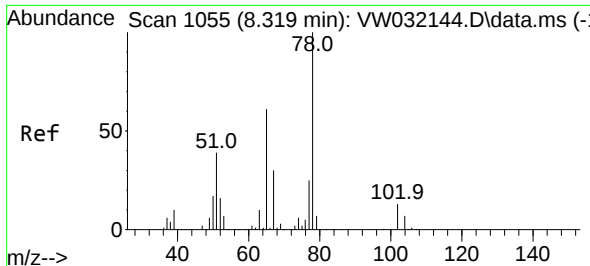
Tgt Ion: 56 Resp: 160596
Ion Ratio Lower Upper
56 100
69 35.6 27.7 41.5
84 97.2 74.6 112.0



#32
1,1,1-Trichloroethane
Concen: 50.223 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 97 Resp: 180474
Ion Ratio Lower Upper
97 100
99 63.9 50.9 76.3
61 45.2 36.2 54.4

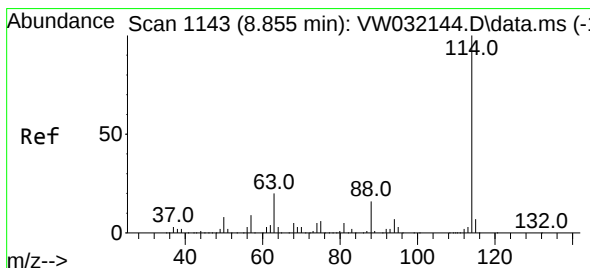
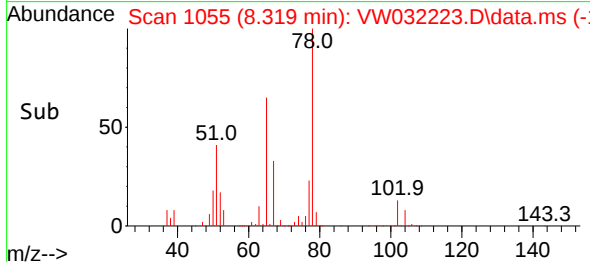
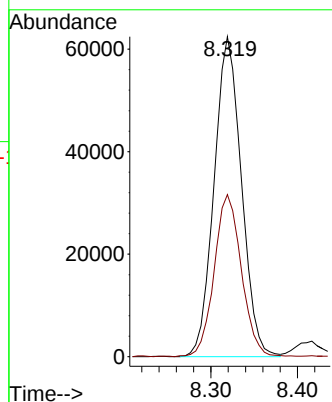
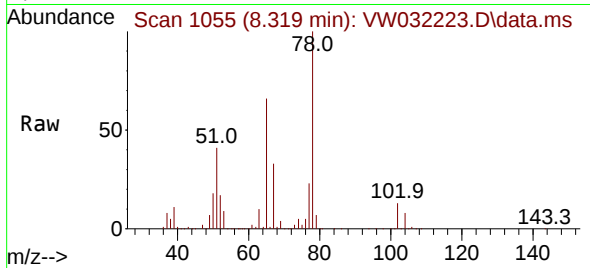




#33
 1,2-Dichloroethane-d4
 Concen: 47.447 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

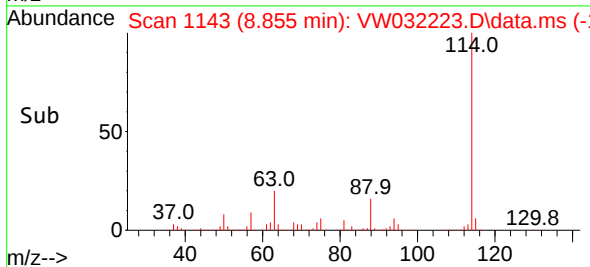
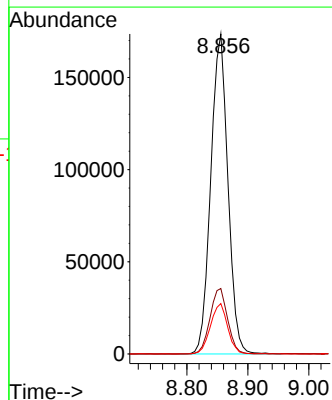
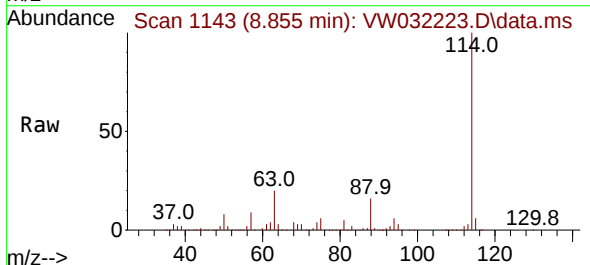
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

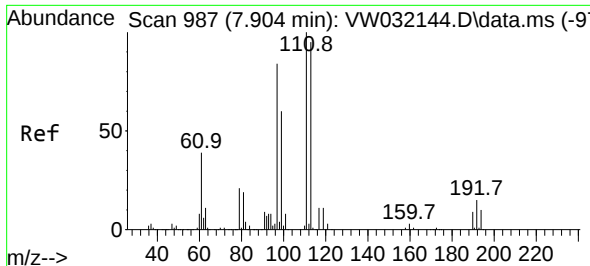
Tgt Ion: 65 Resp: 136773
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

Tgt Ion: 114 Resp: 338923
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.4
 88 15.8 0.0 32.0

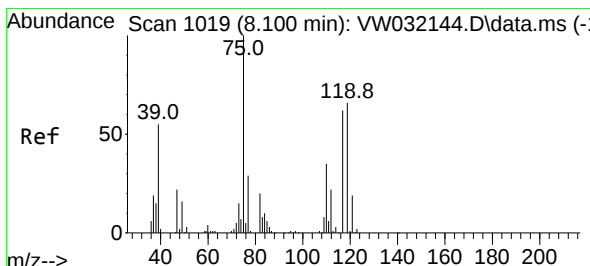
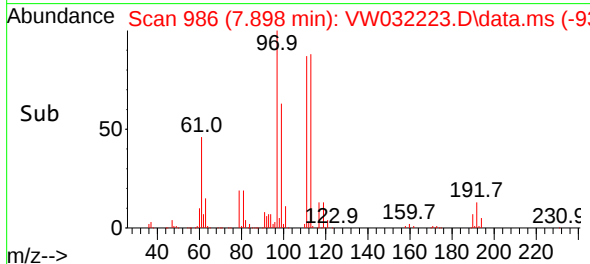
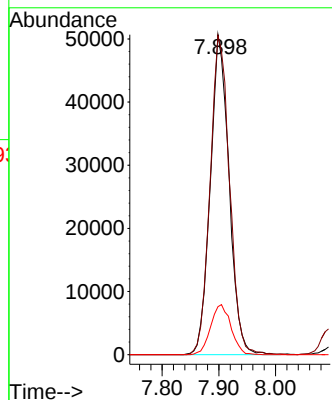
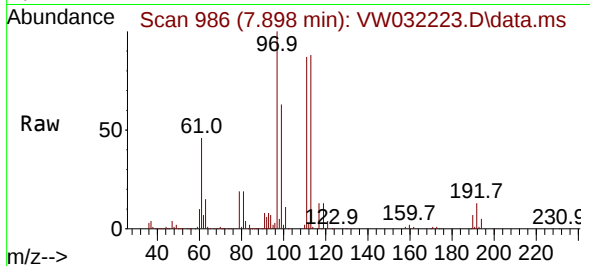




#35
 Dibromofluoromethane
 Concen: 49.005 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

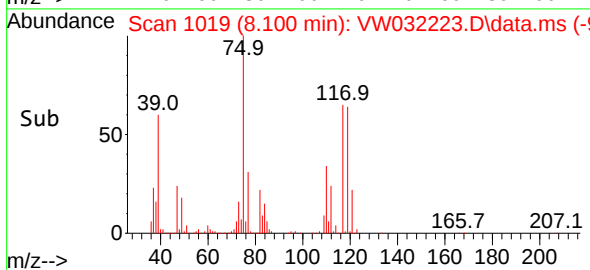
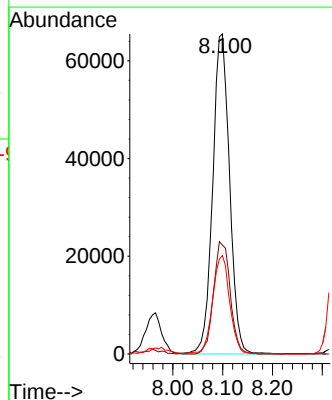
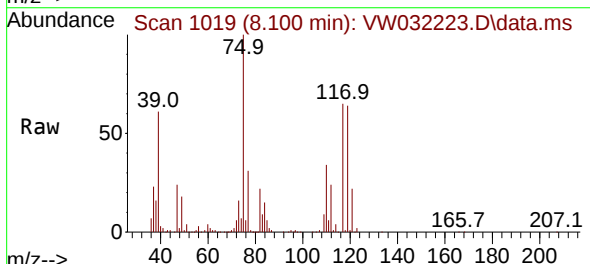
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

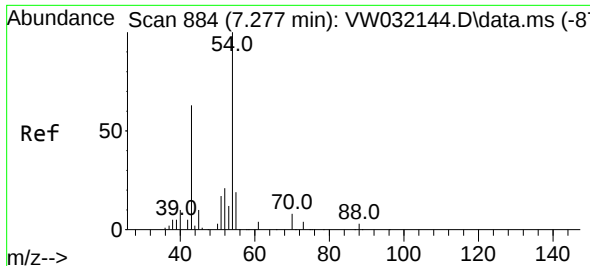
Tgt Ion:113 Resp: 116527
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.9 125.9
 192 17.0 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 49.993 ug/l
 RT: 8.100 min Scan# 1019
 Delta R.T. 0.000 min
 Lab File: VW032223.D
 Acq: 22 Sep 2025 08:47

Tgt Ion: 75 Resp: 154132
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.5 52.5
 77 31.0 24.1 36.1

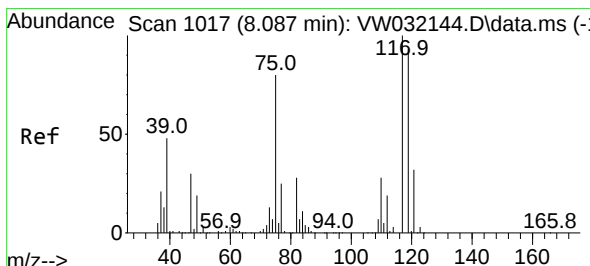
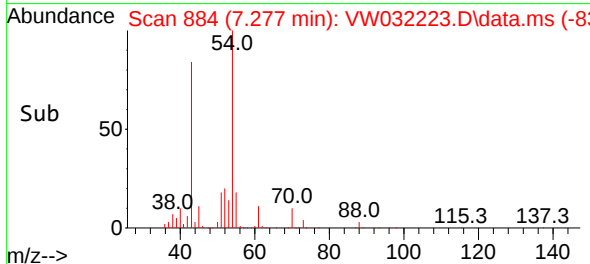
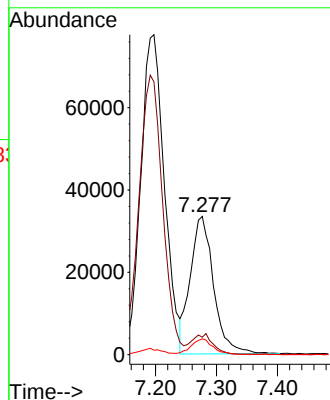
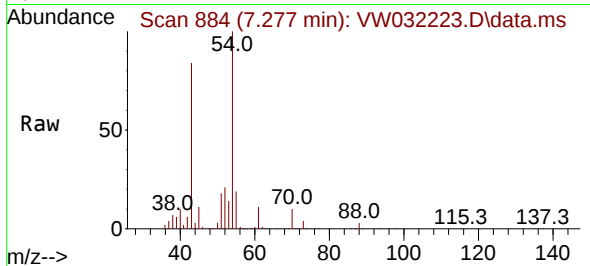




#37
Ethyl Acetate
Concen: 48.061 ug/l
RT: 7.277 min Scan# 884
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

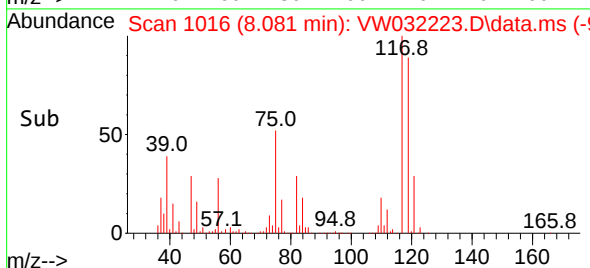
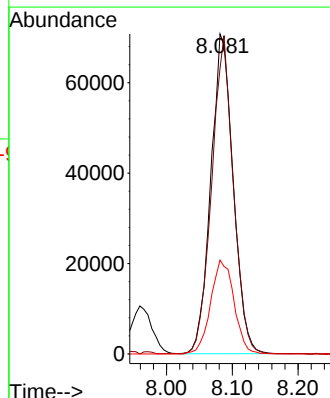
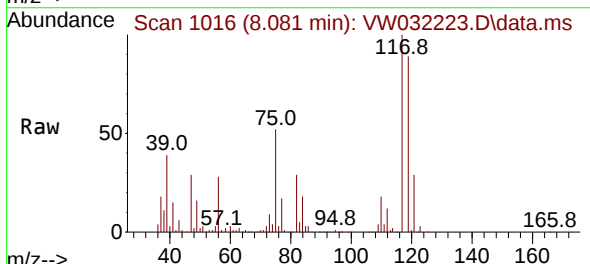
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

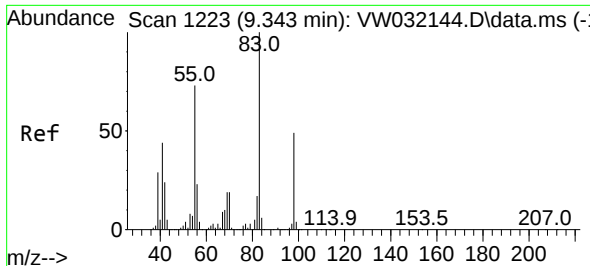
Tgt Ion: 43 Resp: 88890
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 10.9 8.9 13.3



#38
Carbon Tetrachloride
Concen: 50.685 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 117 Resp: 167520
Ion Ratio Lower Upper
117 100
119 89.3 74.2 111.2
121 29.4 25.6 38.4

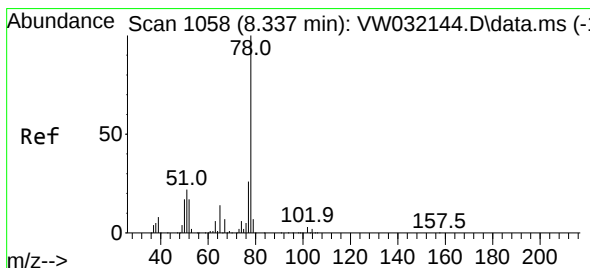
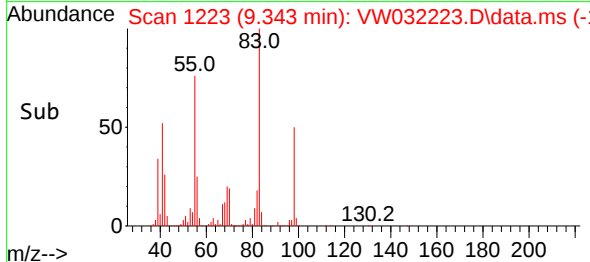
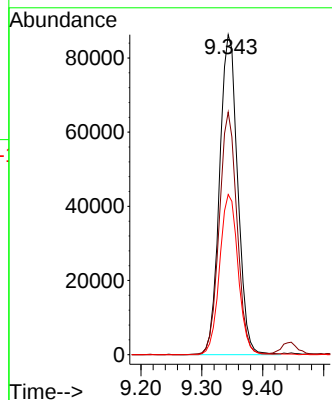
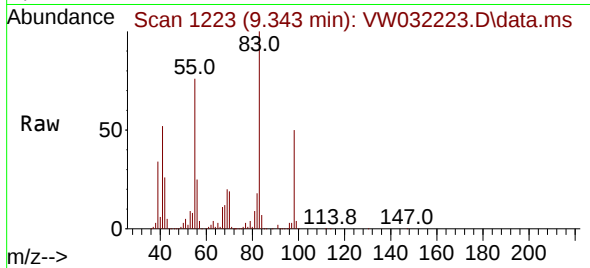




#39
Methylcyclohexane
Concen: 48.722 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

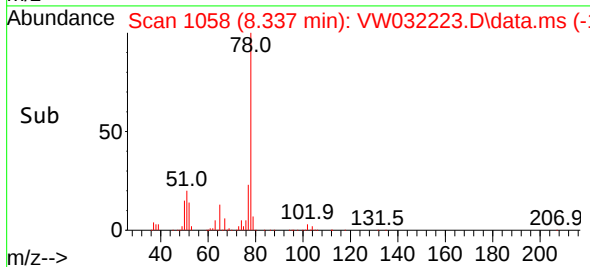
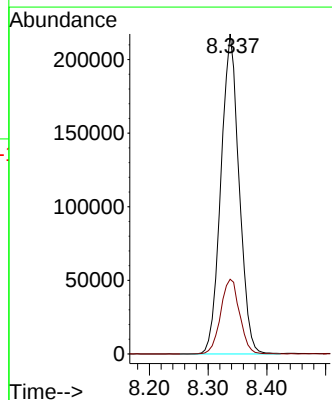
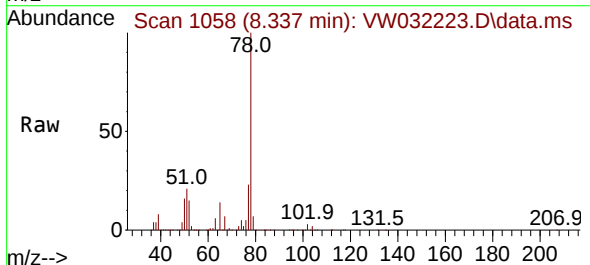
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

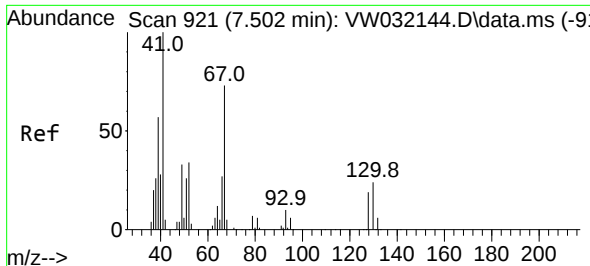
Tgt Ion: 83 Resp: 177919
Ion Ratio Lower Upper
83 100
55 75.8 58.4 87.6
98 50.0 39.4 59.2



#40
Benzene
Concen: 49.012 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 78 Resp: 467092
Ion Ratio Lower Upper
78 100
77 23.4 20.7 31.1

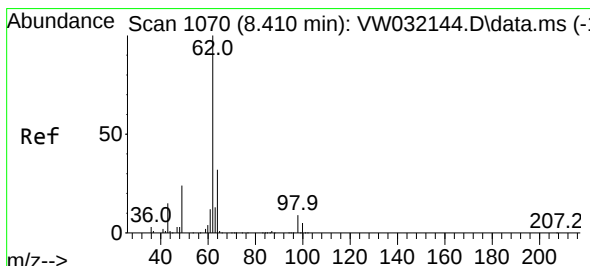
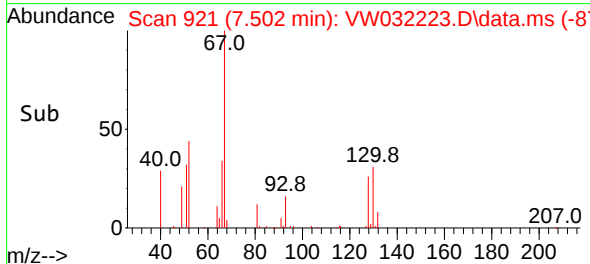
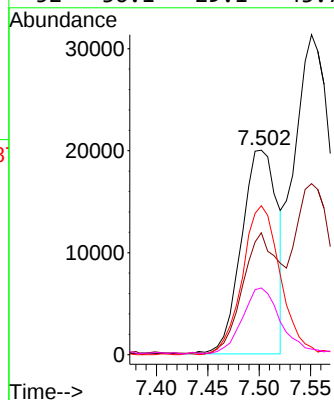
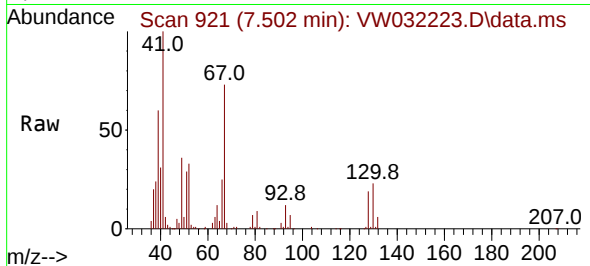




#41
Methacrylonitrile
Concen: 47.156 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

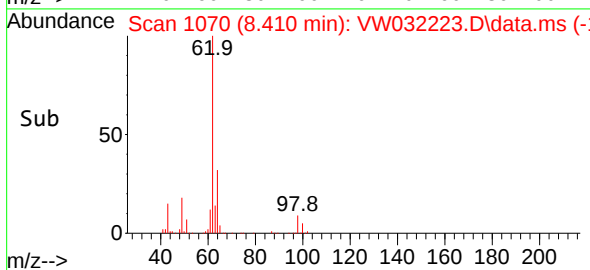
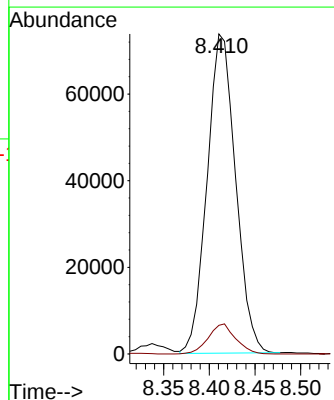
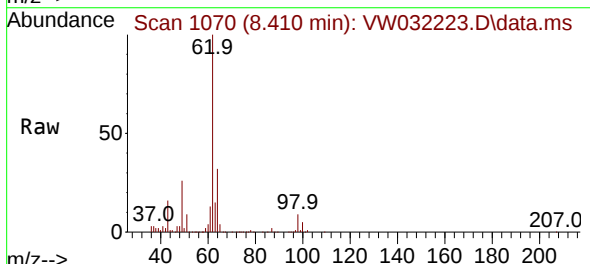
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

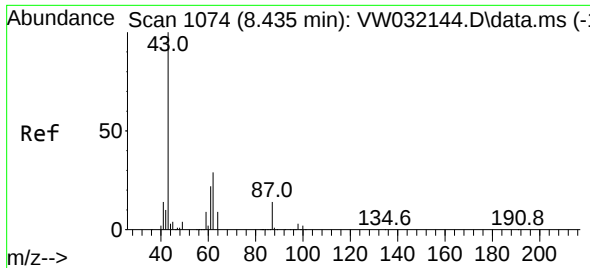
Tgt Ion:	41	Resp:	48455
Ion	Ratio	Lower	Upper
41	100		
39	63.1	50.9	76.3
67	78.5	65.6	98.4
52	36.1	29.1	43.7



#42
1,2-Dichloroethane
Concen: 48.406 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion:	62	Resp:	159924
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0

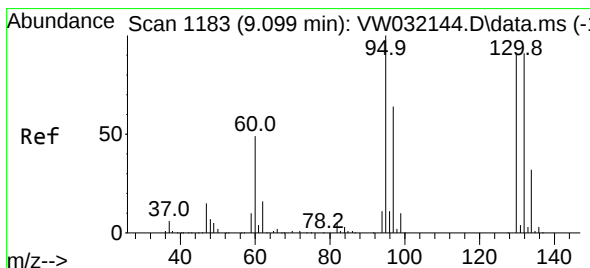
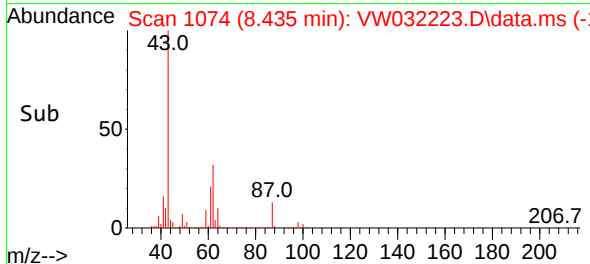
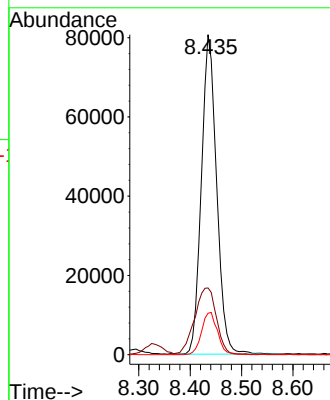
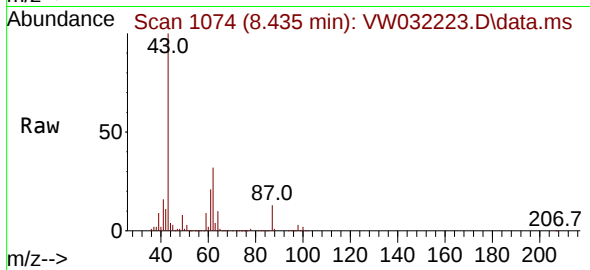




#43
Isopropyl Acetate
Concen: 47.824 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

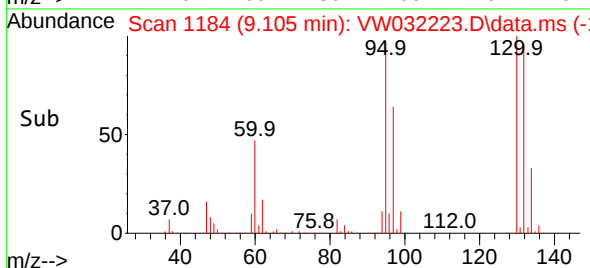
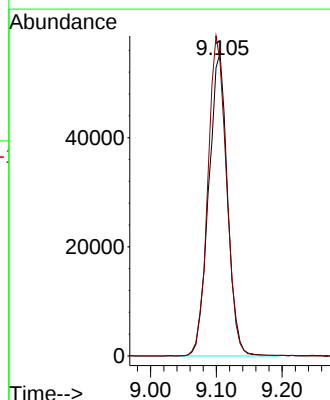
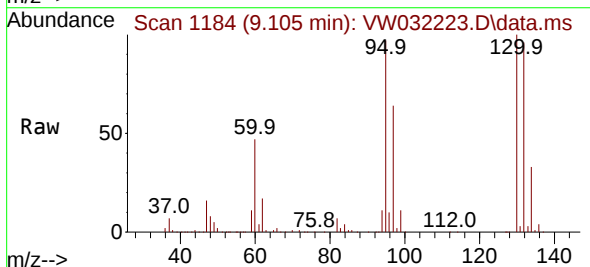
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

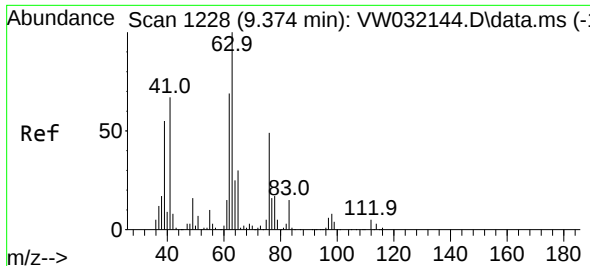
Tgt Ion: 43 Resp: 165935
Ion Ratio Lower Upper
43 100
61 30.0 23.3 34.9
87 13.8 11.1 16.7



#44
Trichloroethene
Concen: 46.081 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion:130 Resp: 110440
Ion Ratio Lower Upper
130 100
95 96.9 0.0 220.0





#45

1,2-Dichloropropane

Concen: 48.709 ug/l

RT: 9.374 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

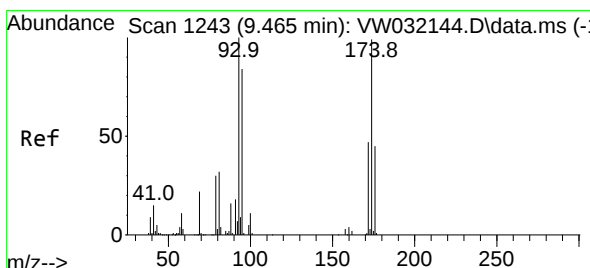
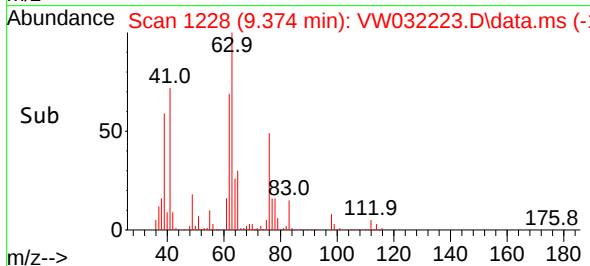
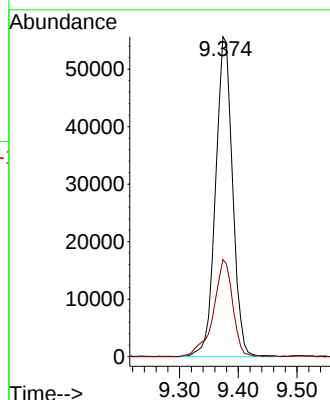
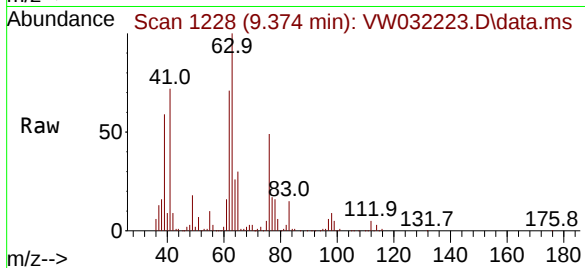
VSTDCCC050

Tgt Ion: 63 Resp: 111903

Ion Ratio Lower Upper

63 100

65 30.2 24.3 36.5



#46

Dibromomethane

Concen: 48.843 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

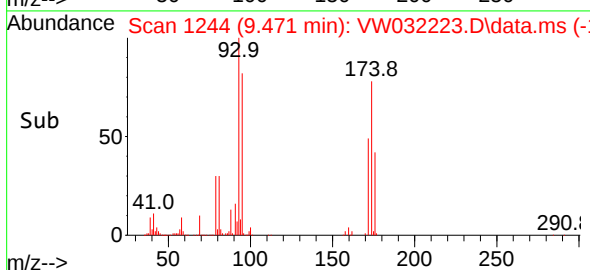
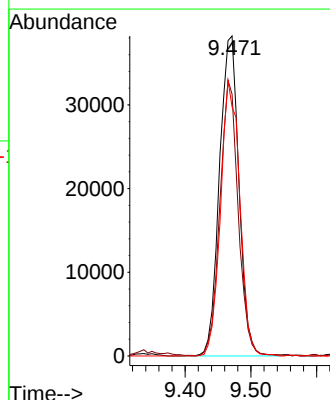
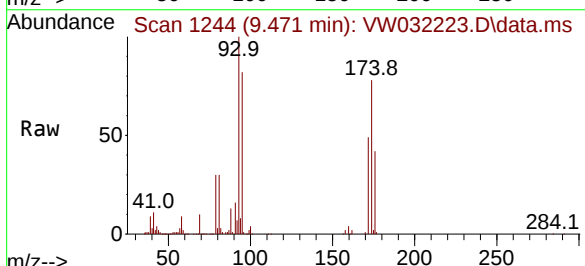
Tgt Ion: 93 Resp: 78704

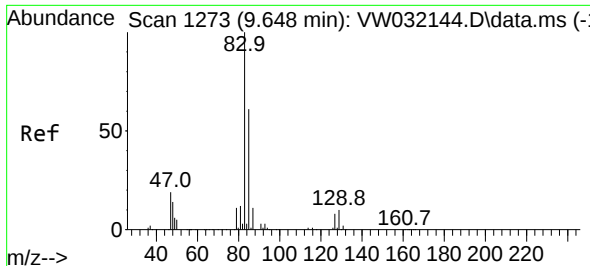
Ion Ratio Lower Upper

93 100

95 81.3 67.4 101.2

174 84.8 75.7 113.5

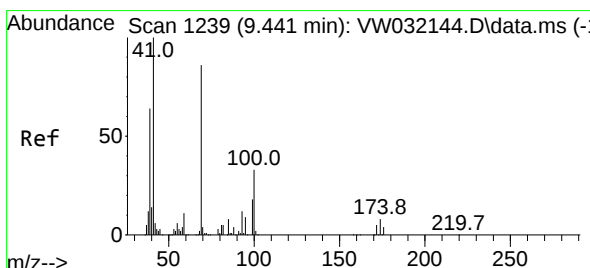
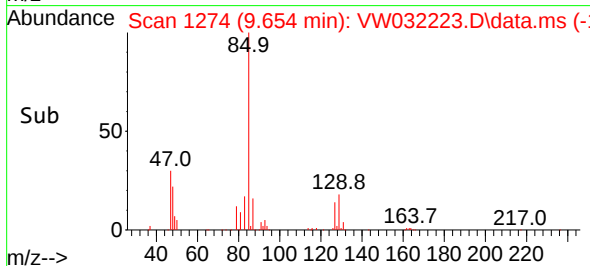
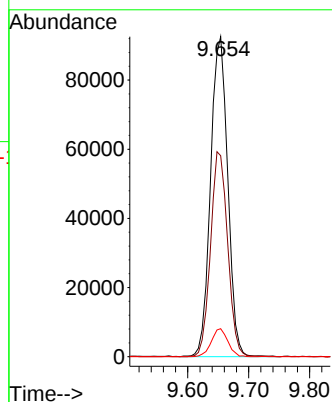
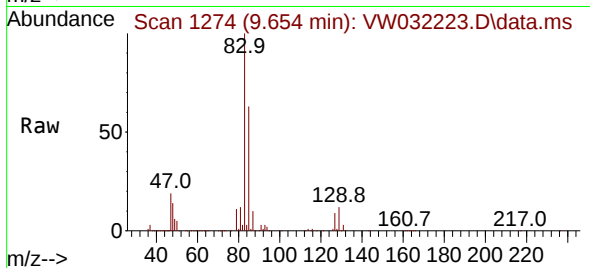




#47
Bromodichloromethane
Concen: 49.462 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. 0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

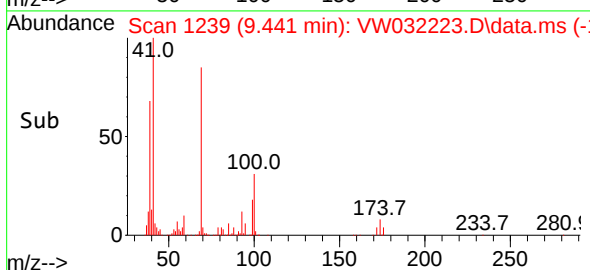
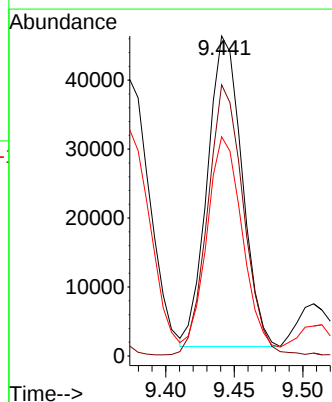
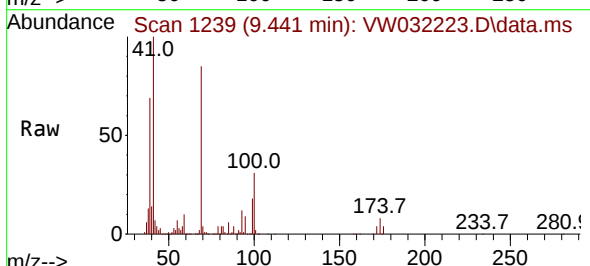
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

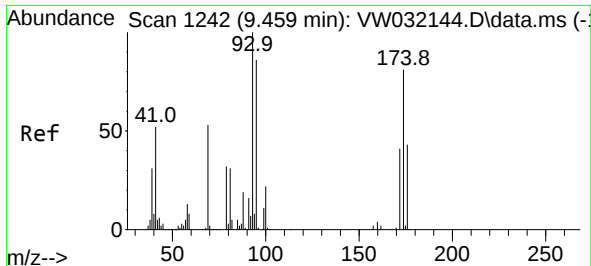
Tgt Ion: 83 Resp: 181118
Ion Ratio Lower Upper
83 100
85 62.8 48.7 73.1
127 8.7 6.4 9.6



#48
Methyl methacrylate
Concen: 49.476 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 41 Resp: 79113
Ion Ratio Lower Upper
41 100
69 90.1 71.5 107.3
39 67.6 55.9 83.9

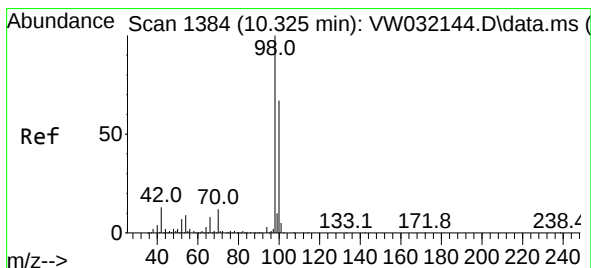
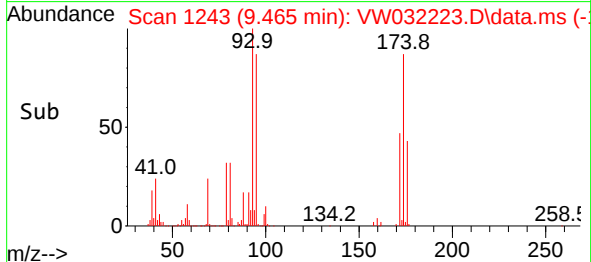
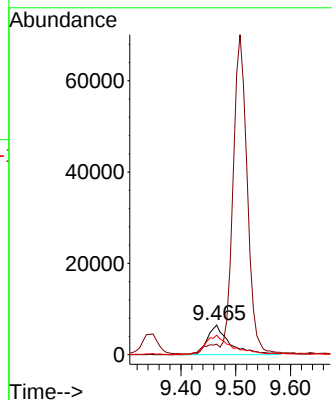
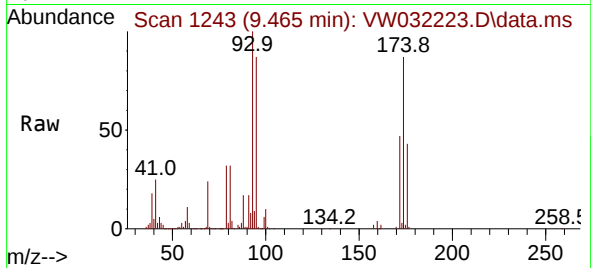




#49
1,4-Dioxane
Concen: 931.121 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

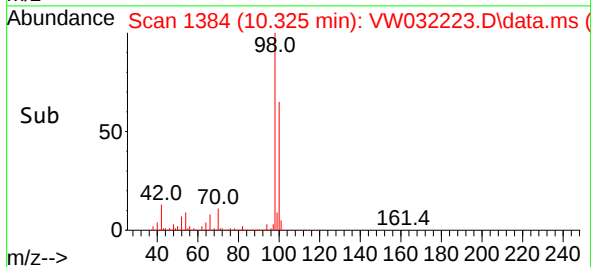
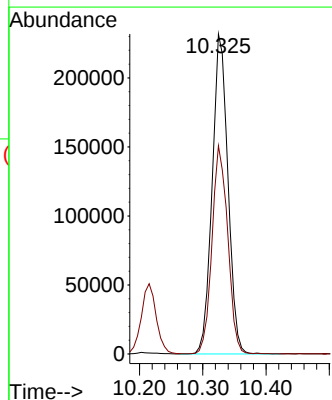
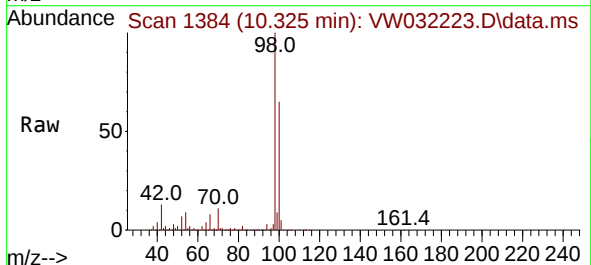
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

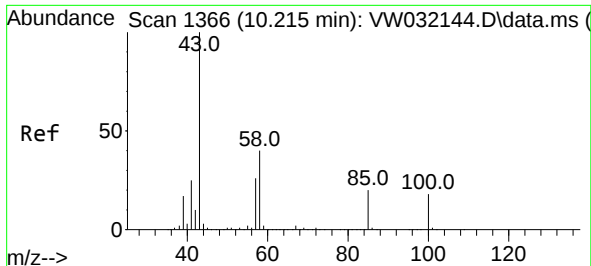
Tgt Ion: 88 Resp: 18128
Ion Ratio Lower Upper
88 100
43 0.0 18.0 27.0#
58 77.2 55.4 83.0



#50
Toluene-d8
Concen: 47.953 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 98 Resp: 400288
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2

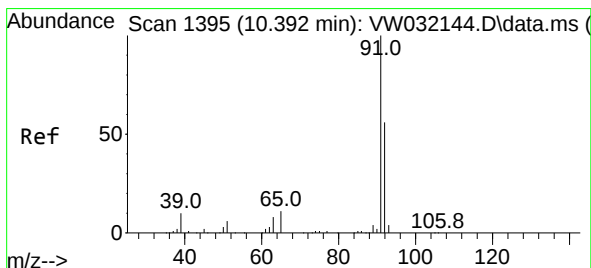
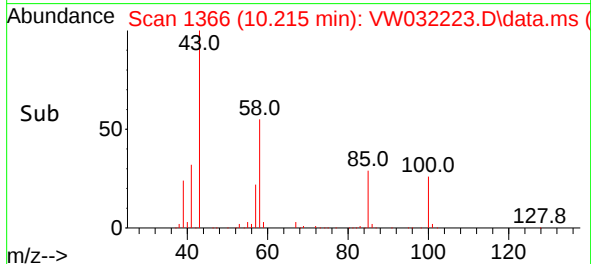
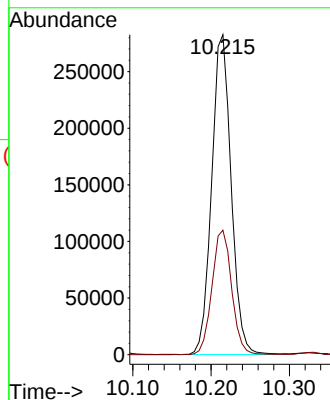
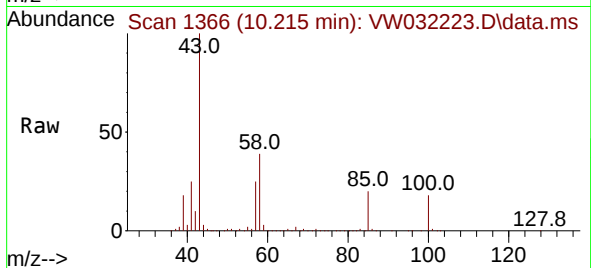




#51
4-Methyl-2-Pentanone
Concen: 248.883 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

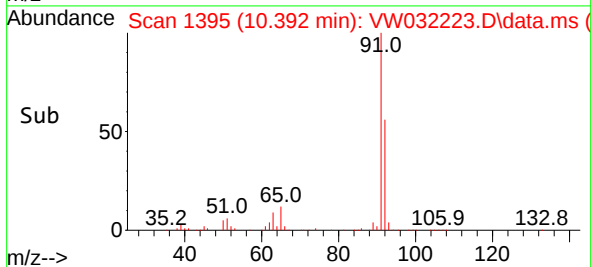
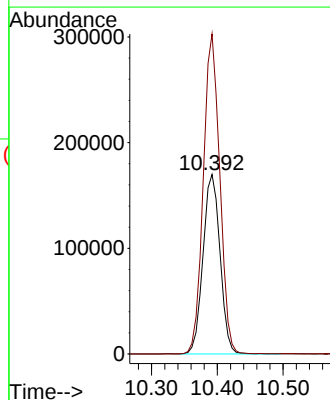
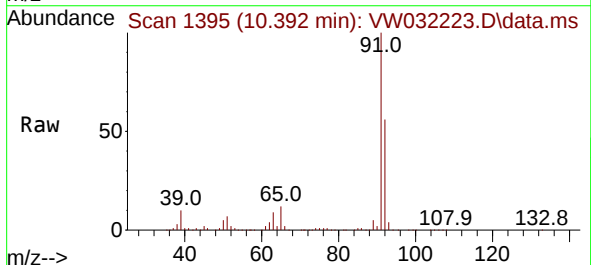
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

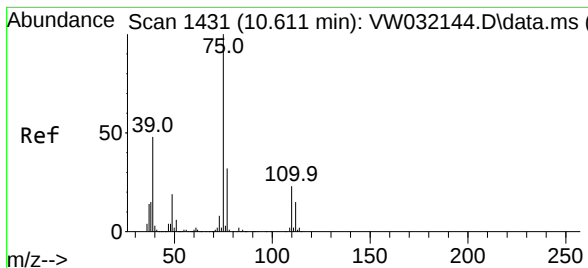
Tgt Ion: 43 Resp: 487606
Ion Ratio Lower Upper
43 100
58 39.5 32.0 48.0



#52
Toluene
Concen: 48.921 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 92 Resp: 304670
Ion Ratio Lower Upper
92 100
91 173.3 137.5 206.3

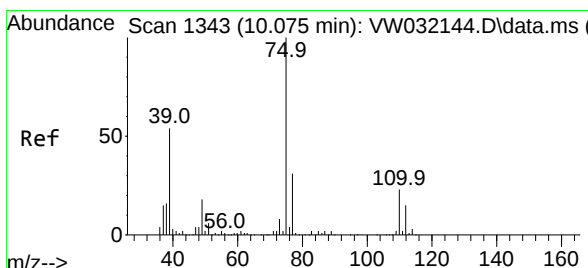
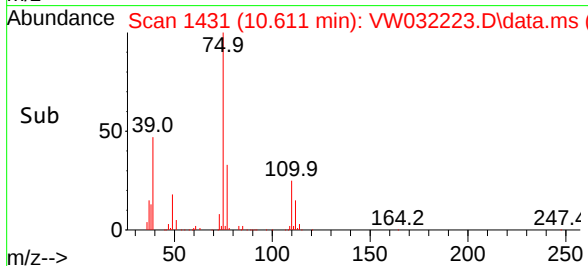
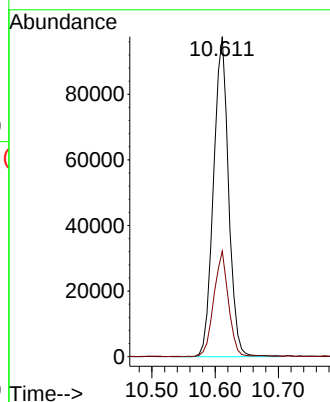
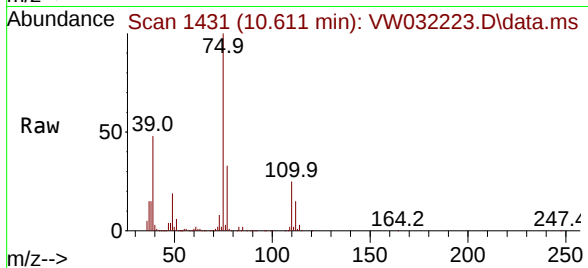




#53
t-1,3-Dichloropropene
Concen: 50.033 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

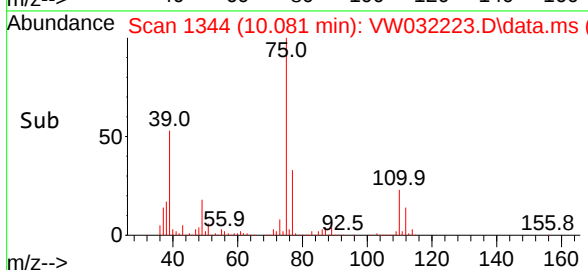
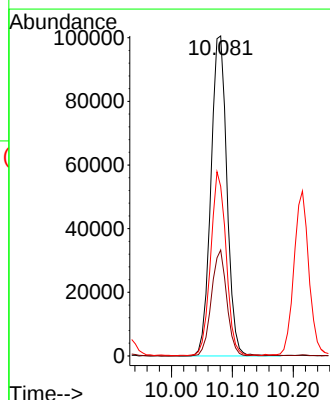
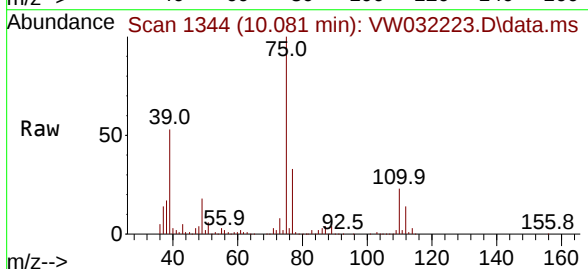
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

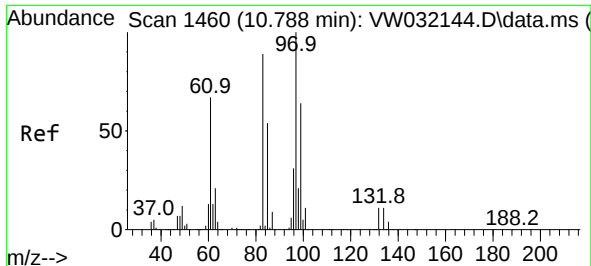
Tgt Ion: 75 Resp: 161622
Ion Ratio Lower Upper
75 100
77 32.9 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 49.859 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 75 Resp: 183776
Ion Ratio Lower Upper
75 100
77 33.1 25.1 37.7
39 52.8 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 48.665 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 101971

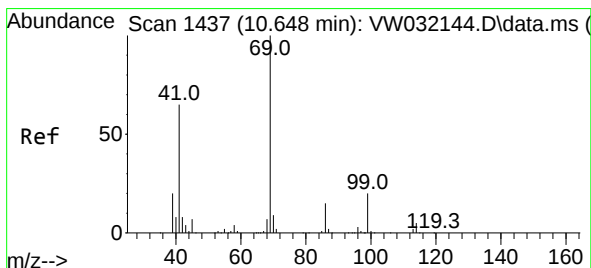
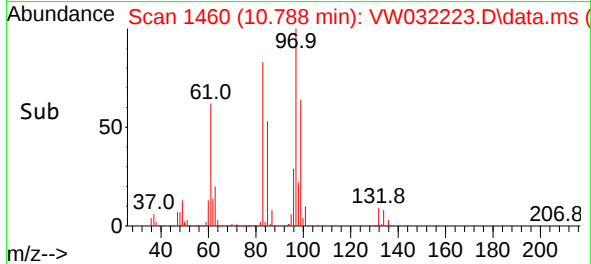
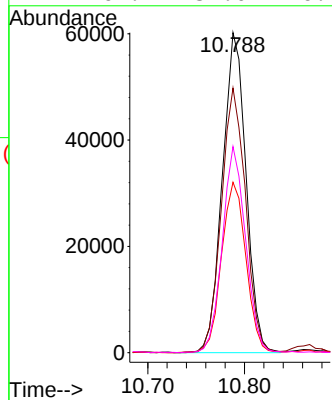
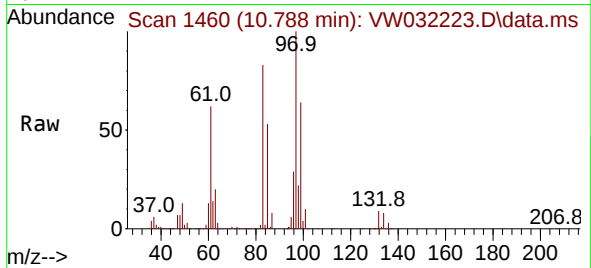
Ion Ratio Lower Upper

97 100

83 82.7 71.0 106.6

85 53.2 42.8 64.2

99 64.4 51.0 76.6



#56

Ethyl methacrylate

Concen: 49.278 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

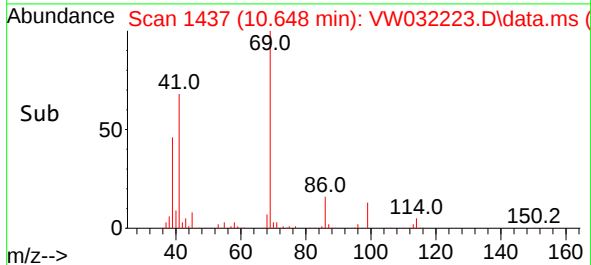
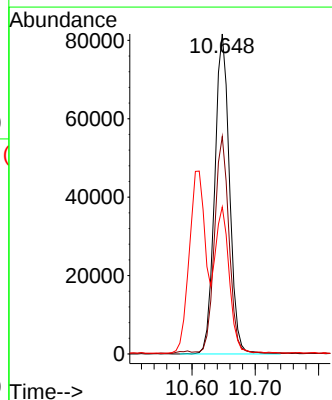
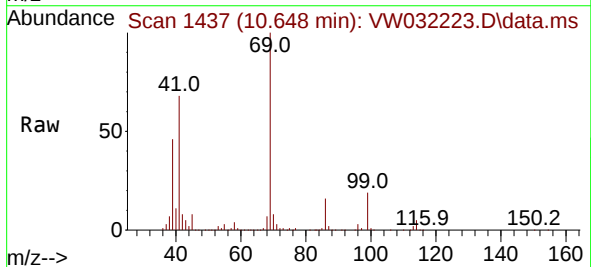
Tgt Ion: 69 Resp: 132007

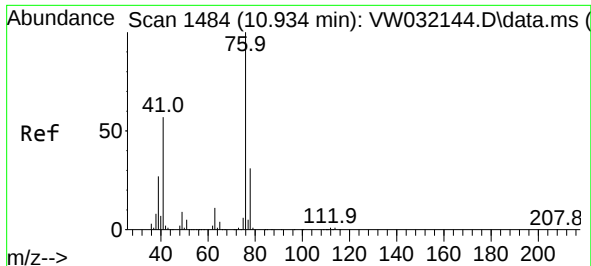
Ion Ratio Lower Upper

69 100

41 66.5 53.2 79.8

39 42.8 32.9 49.3

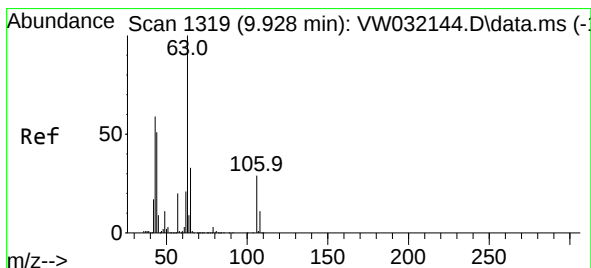
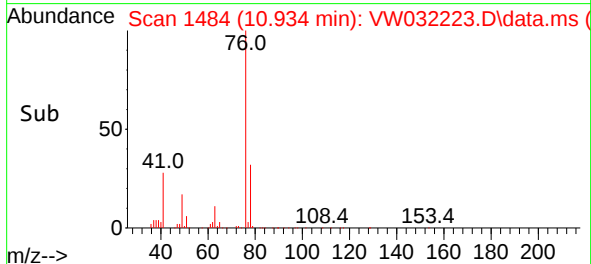
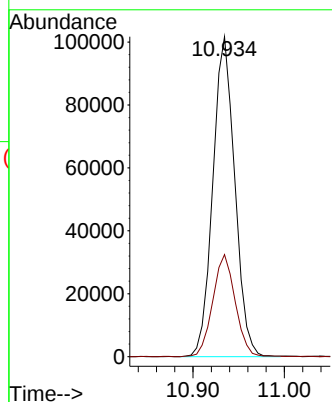
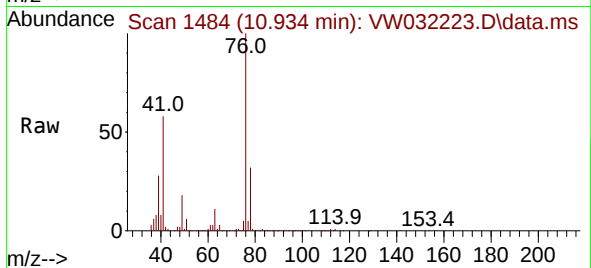




#57
1,3-Dichloropropane
Concen: 48.306 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

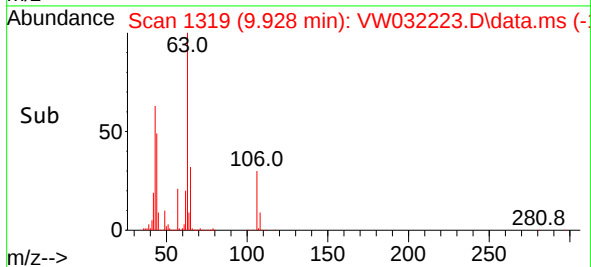
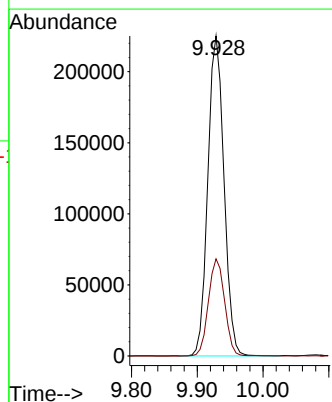
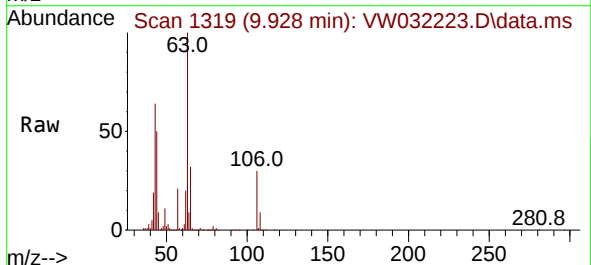
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

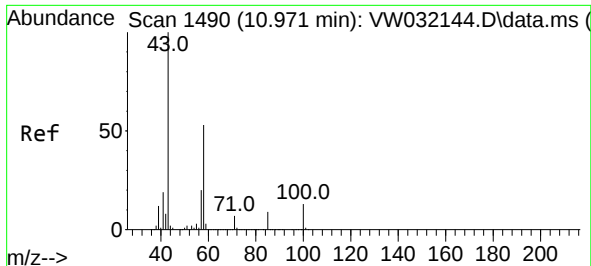
Tgt Ion: 76 Resp: 169483
Ion Ratio Lower Upper
76 100
78 32.8 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 269.232 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 63 Resp: 384960
Ion Ratio Lower Upper
63 100
106 30.4 24.3 36.5

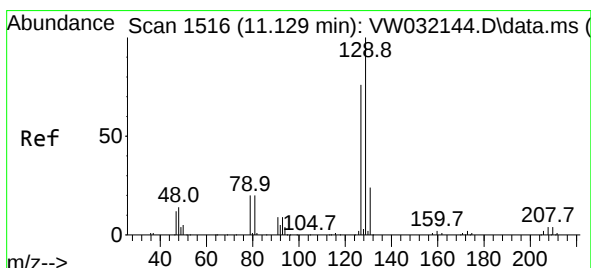
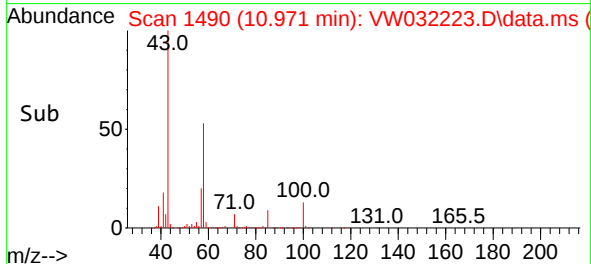
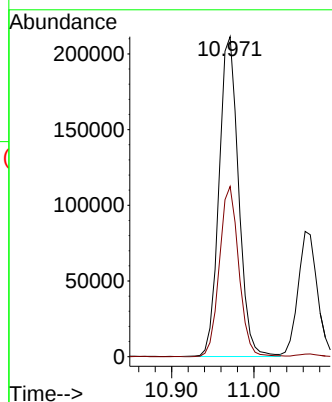
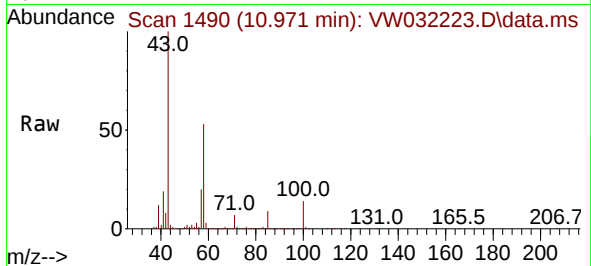




#59
2-Hexanone
Concen: 255.356 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

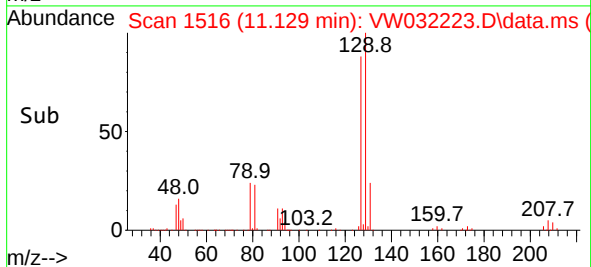
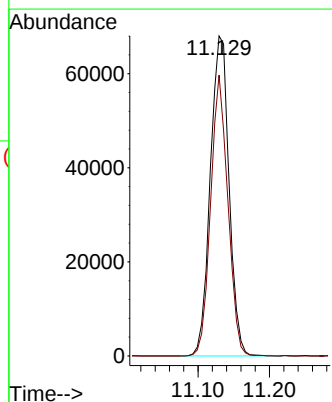
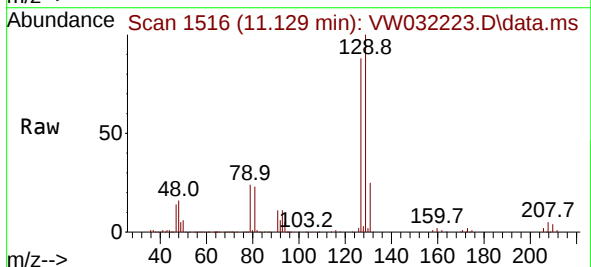
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

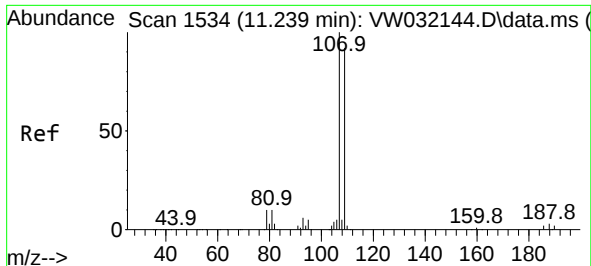
Tgt Ion: 43 Resp: 347938
Ion Ratio Lower Upper
43 100
58 52.9 27.5 82.4



#60
Dibromochloromethane
Concen: 48.765 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 129 Resp: 123643
Ion Ratio Lower Upper
129 100
127 80.5 38.1 114.5

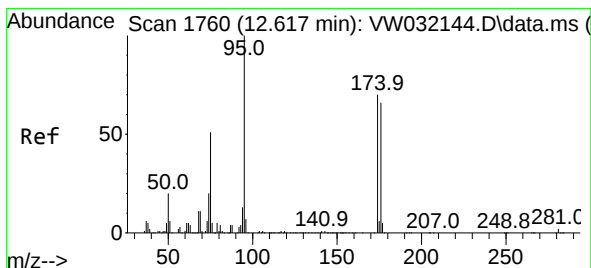
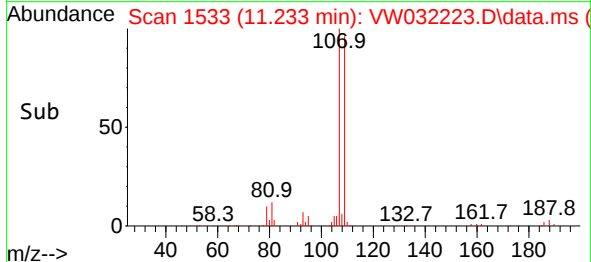
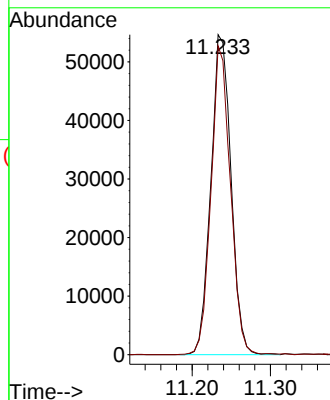
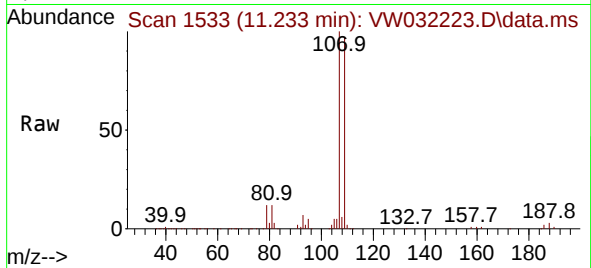




#61
1,2-Dibromoethane
Concen: 47.392 ug/l
RT: 11.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

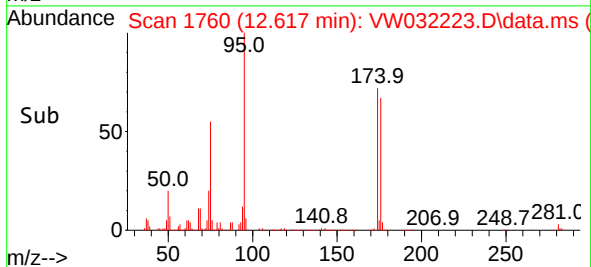
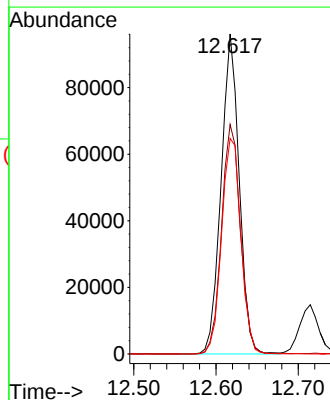
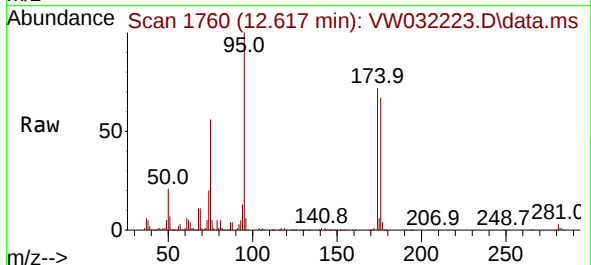
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

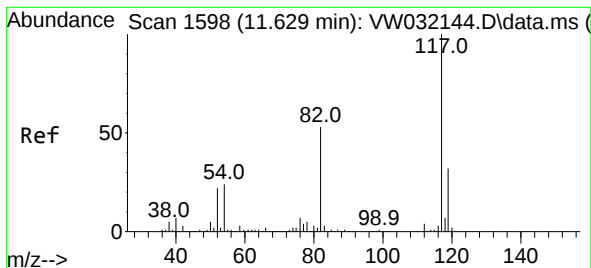
Tgt Ion:107 Resp: 97655
Ion Ratio Lower Upper
107 100
109 92.9 74.5 111.7



#62
4-Bromofluorobenzene
Concen: 47.698 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 95 Resp: 147232
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.6
176 71.8 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

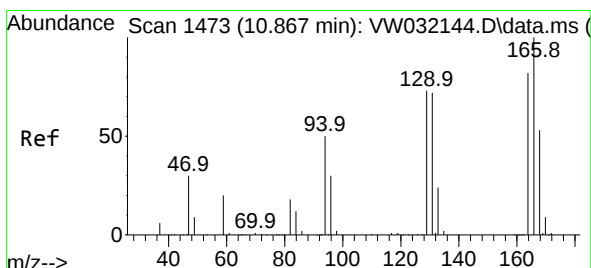
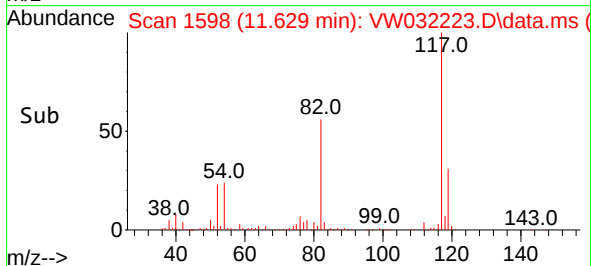
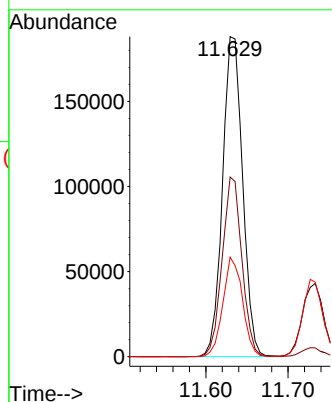
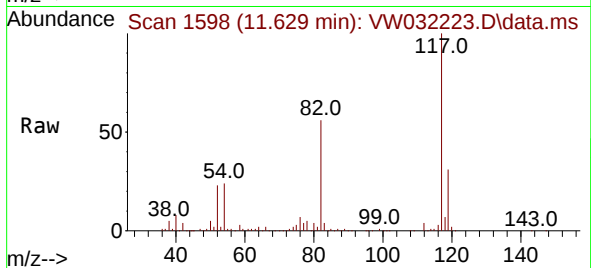
Tgt Ion:117 Resp: 319016

Ion Ratio Lower Upper

117 100

82 56.1 42.7 64.1

119 31.1 25.2 37.8



#64

Tetrachloroethene

Concen: 45.264 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Tgt Ion:164 Resp: 95038

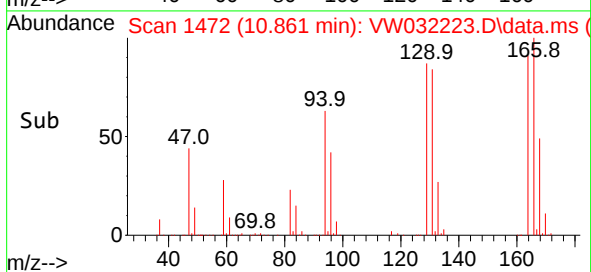
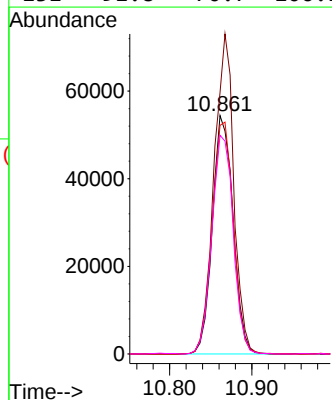
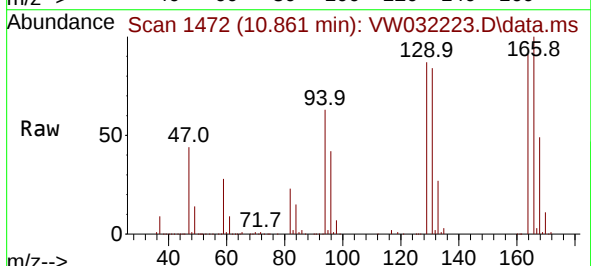
Ion Ratio Lower Upper

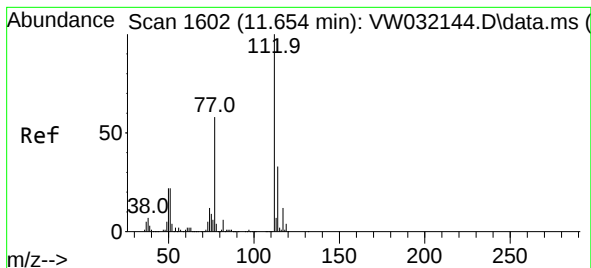
164 100

166 109.7 97.5 146.3

129 95.9 71.2 106.8

131 91.8 70.7 106.1





#65

Chlorobenzene

Concen: 46.483 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

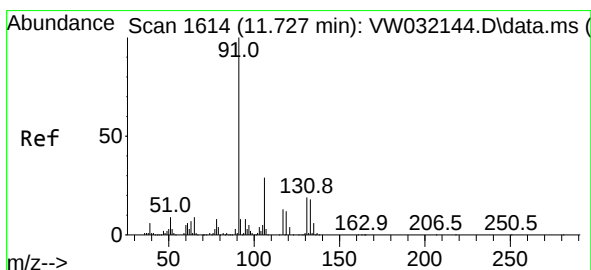
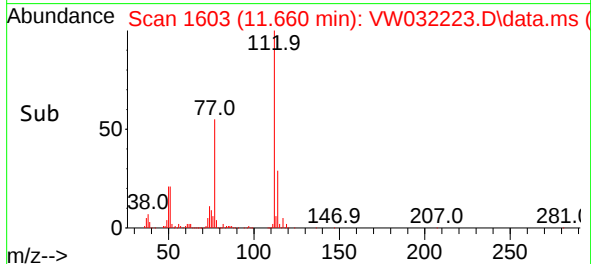
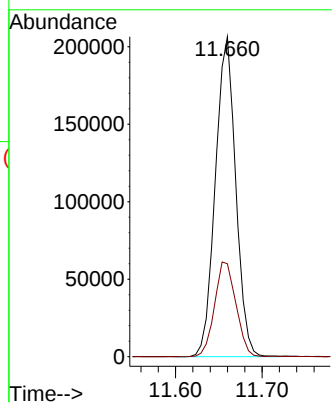
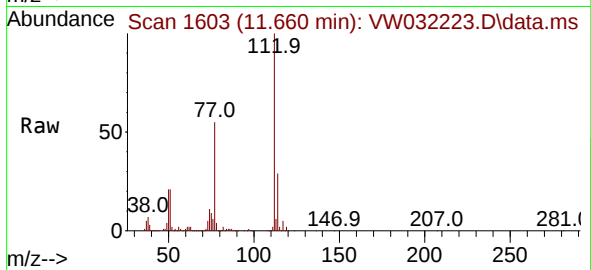
VSTDCCC050

Tgt Ion:112 Resp: 337525

Ion Ratio Lower Upper

112 100

114 29.1 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 49.577 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

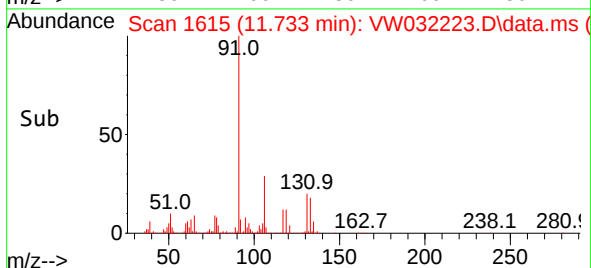
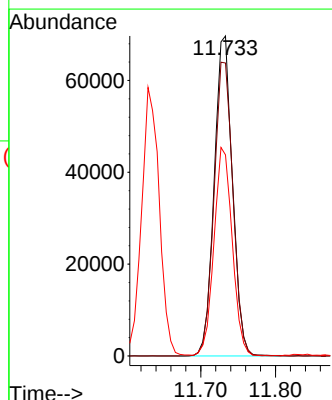
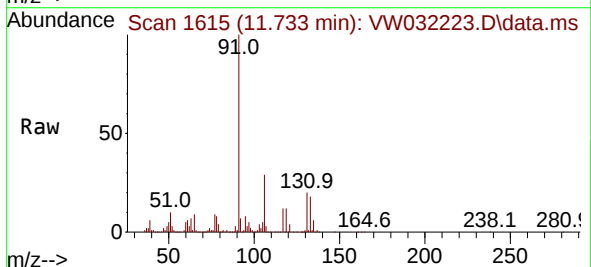
Tgt Ion:131 Resp: 118520

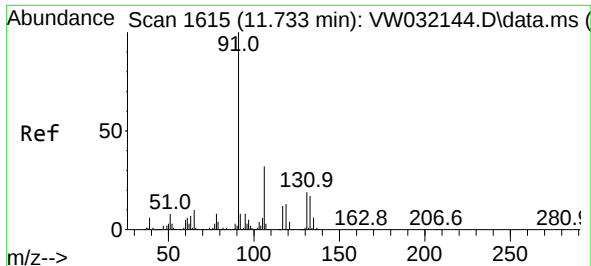
Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

119 65.4 32.8 98.3





#67

Ethyl Benzene

Concen: 48.621 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

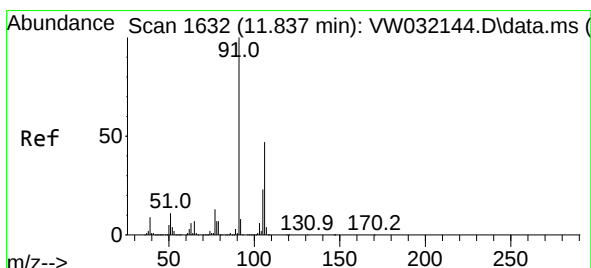
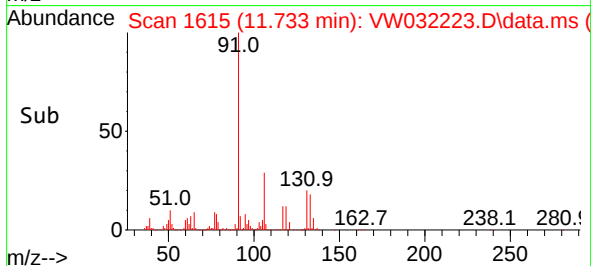
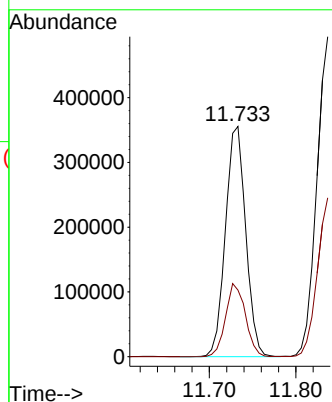
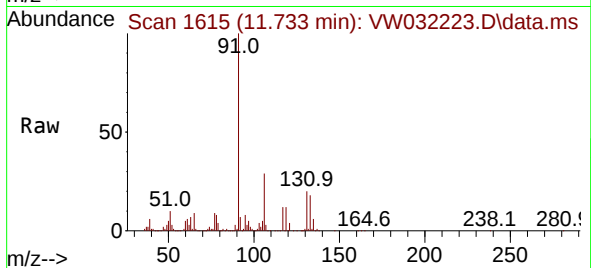
VSTDCCC050

Tgt Ion: 91 Resp: 578447

Ion Ratio Lower Upper

91 100

106 28.9 25.3 37.9



#68

m/p-Xylenes

Concen: 97.229 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032223.D

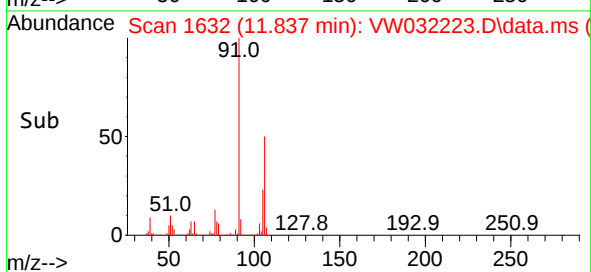
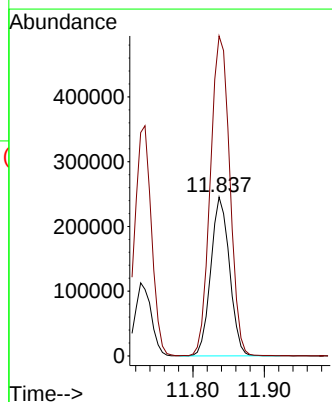
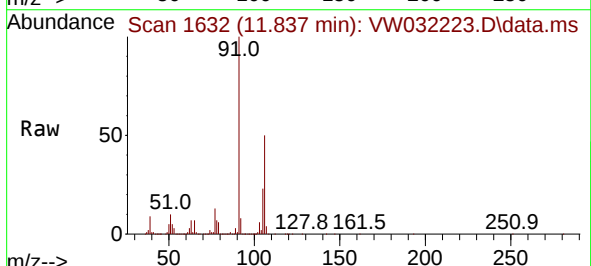
Acq: 22 Sep 2025 08:47

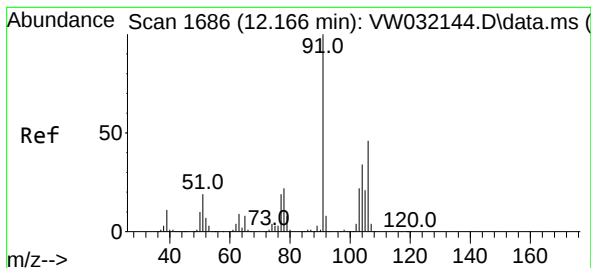
Tgt Ion:106 Resp: 445188

Ion Ratio Lower Upper

106 100

91 210.1 164.2 246.2





#69

o-Xylene

Concen: 49.166 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

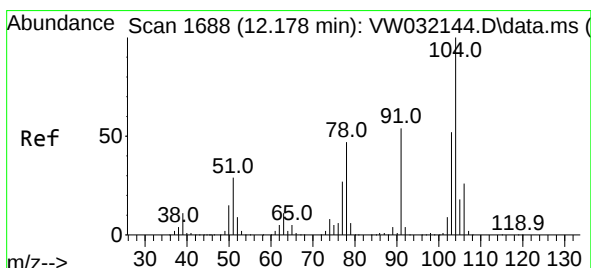
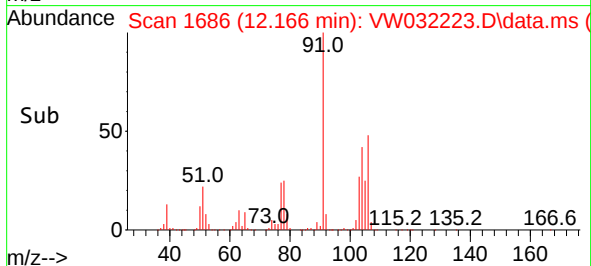
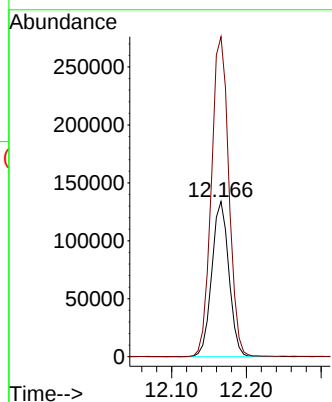
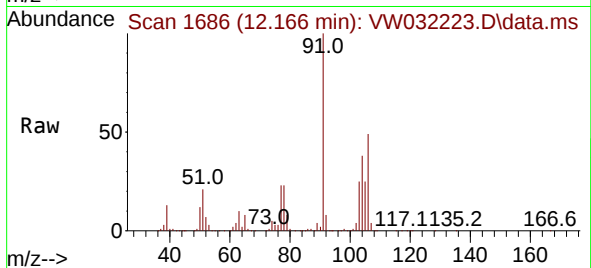
VSTDCCC050

Tgt Ion:106 Resp: 212938

Ion Ratio Lower Upper

106 100

91 211.4 108.7 326.3



#70

Styrene

Concen: 49.003 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

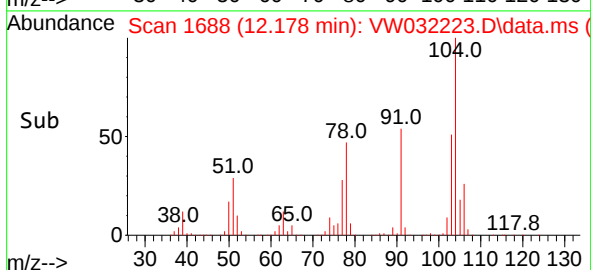
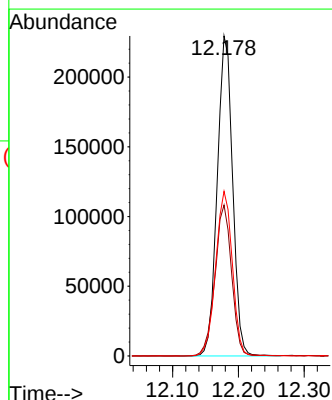
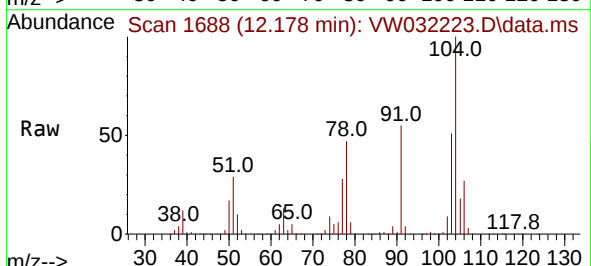
Tgt Ion:104 Resp: 374120

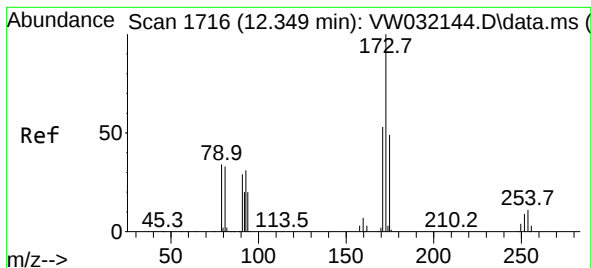
Ion Ratio Lower Upper

104 100

78 51.0 41.6 62.4

103 55.8 44.8 67.2





#71

Bromoform

Concen: 48.129 ug/l

RT: 12.349 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

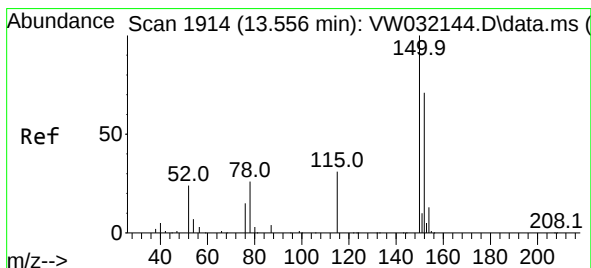
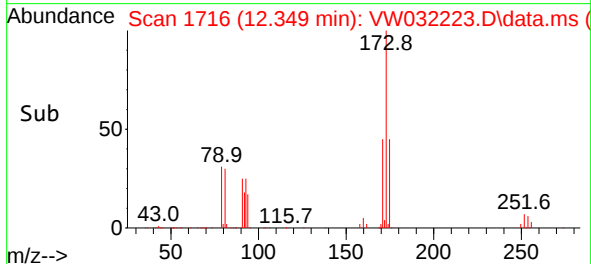
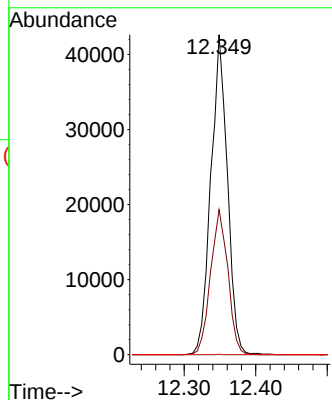
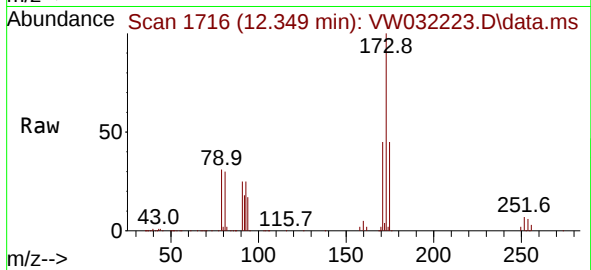
Tgt Ion:173 Resp: 68336

Ion Ratio Lower Upper

173 100

175 47.6 24.9 74.7

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1913

Delta R.T. -0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

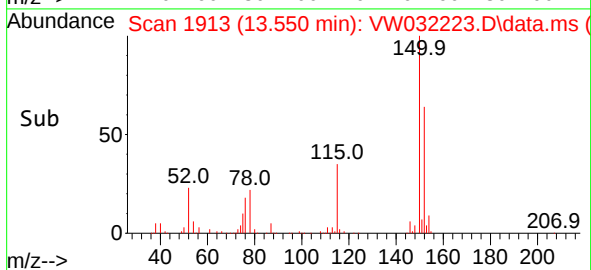
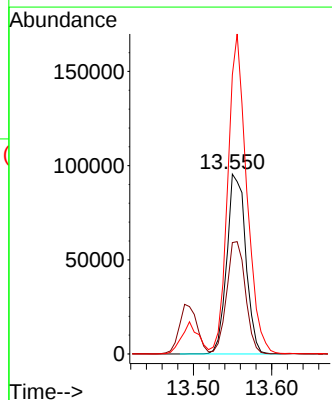
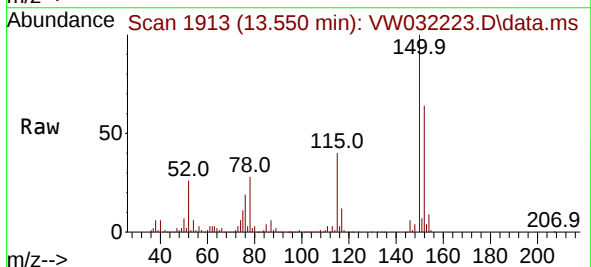
Tgt Ion:152 Resp: 160129

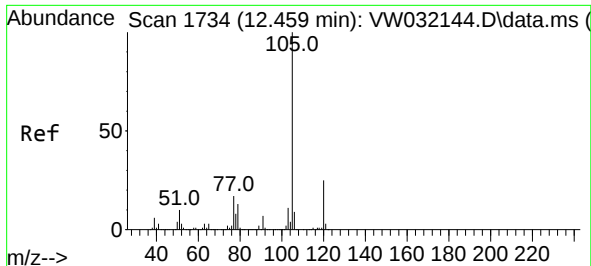
Ion Ratio Lower Upper

152 100

115 62.2 31.8 95.4

150 177.8 0.0 343.0

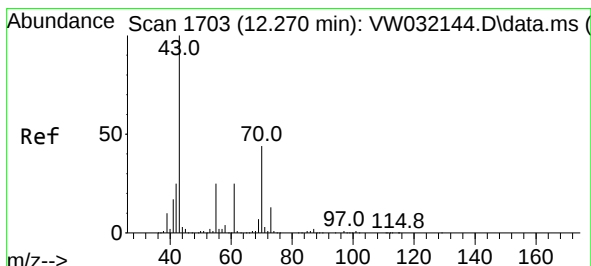
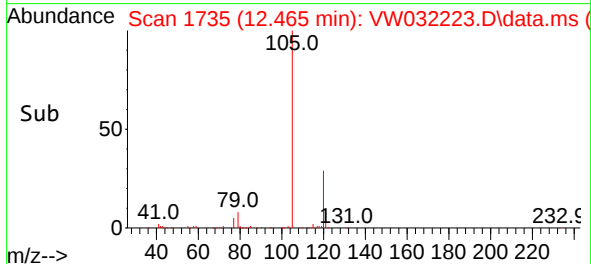
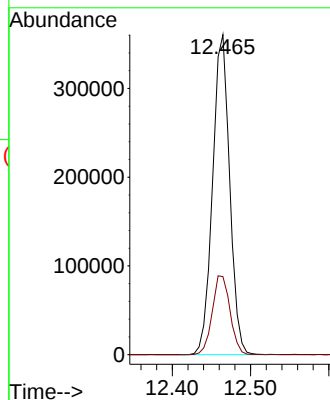
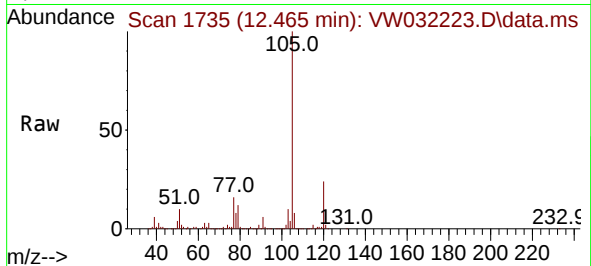




#73
Isopropylbenzene
Concen: 50.170 ug/l
RT: 12.465 min Scan# 1734
Delta R.T. 0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

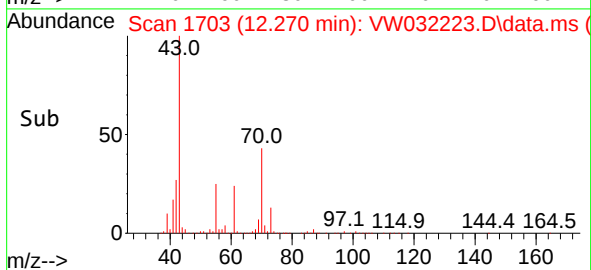
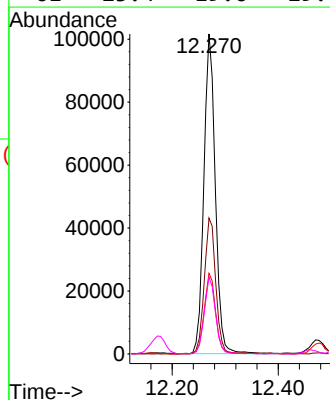
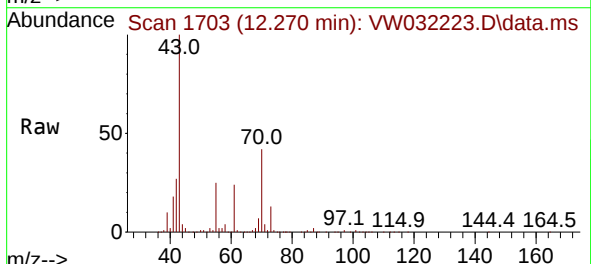
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

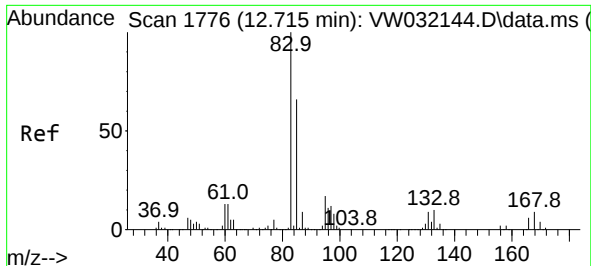
Tgt Ion:105 Resp: 545785
Ion Ratio Lower Upper
105 100
120 25.7 13.0 38.9



#74
N-ethyl acetate
Concen: 48.145 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 43 Resp: 152061
Ion Ratio Lower Upper
43 100
70 42.9 35.3 52.9
55 25.5 19.9 29.9
61 23.4 19.6 29.4

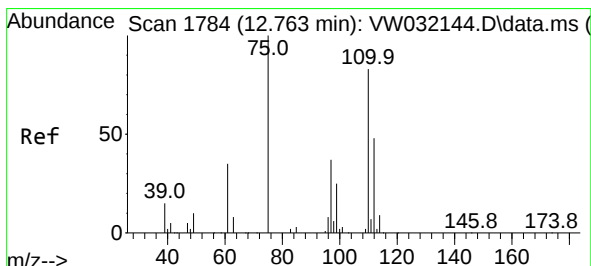
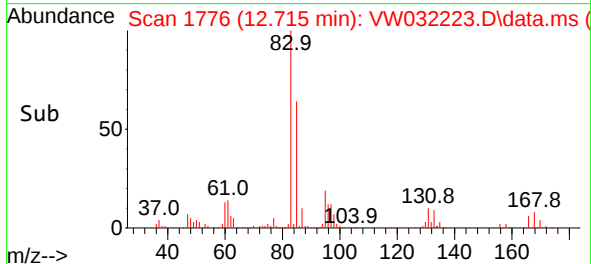
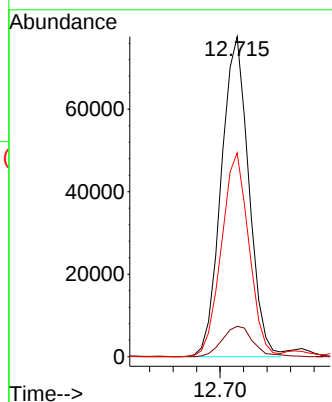
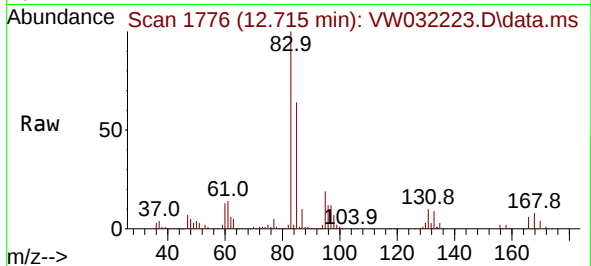




#75
1,1,2,2-Tetrachloroethane
Concen: 48.954 ug/l
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

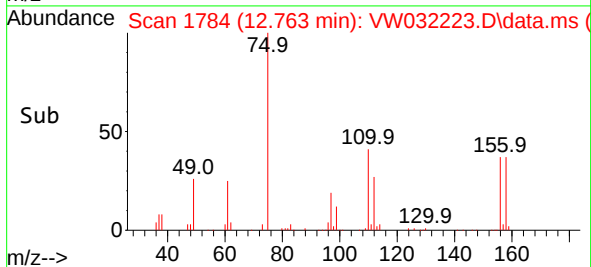
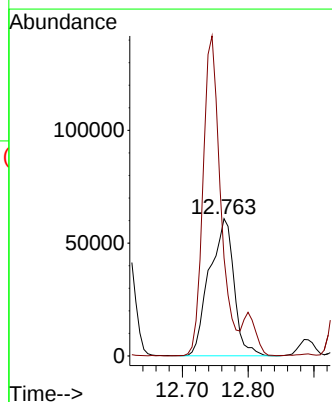
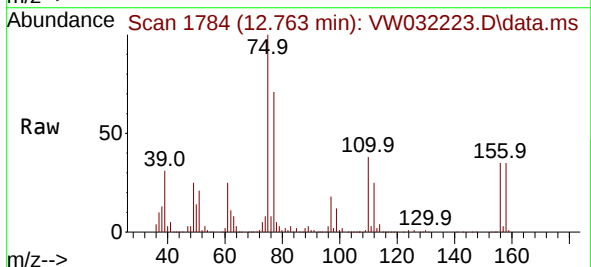
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

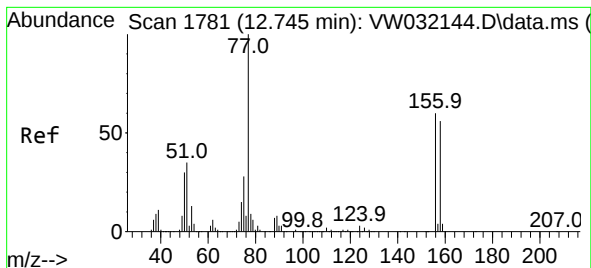
Tgt Ion: 83 Resp: 126561
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.4
85 63.6 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 78.746 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 75 Resp: 157973
Ion Ratio Lower Upper
75 100
77 168.6 141.7 425.1

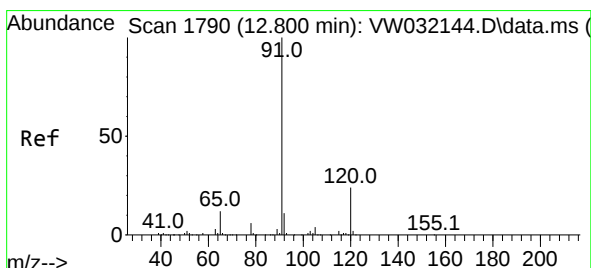
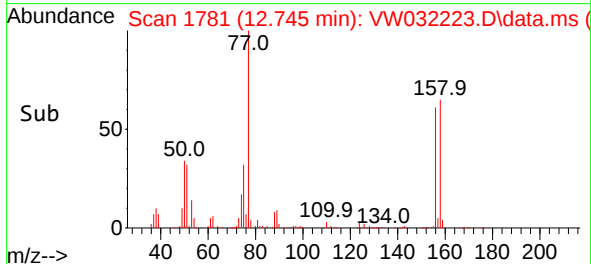
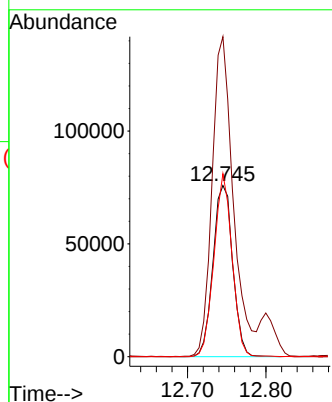
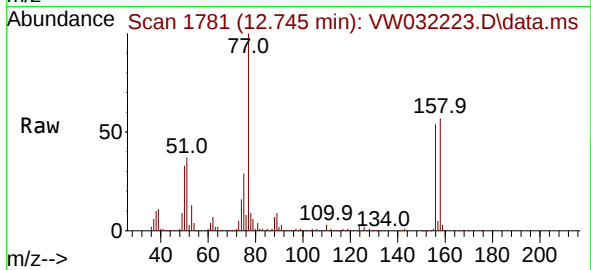




#77
Bromobenzene
Concen: 47.861 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

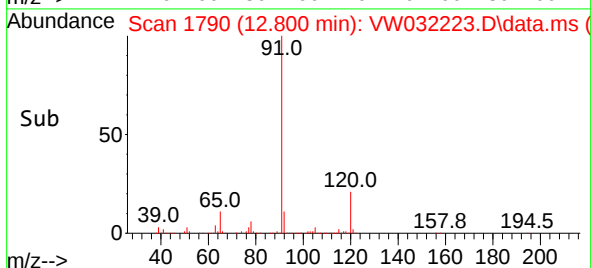
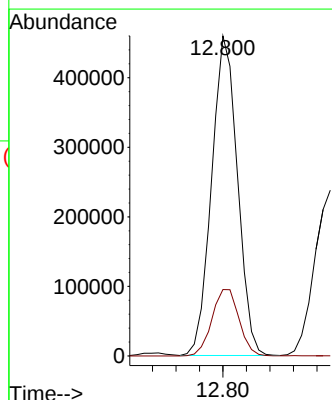
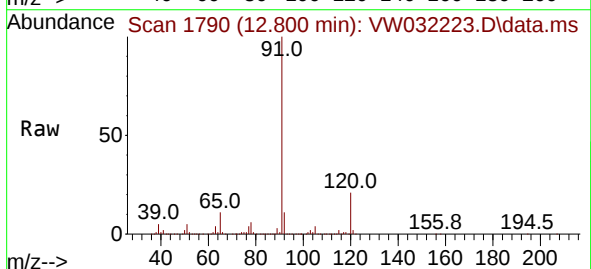
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

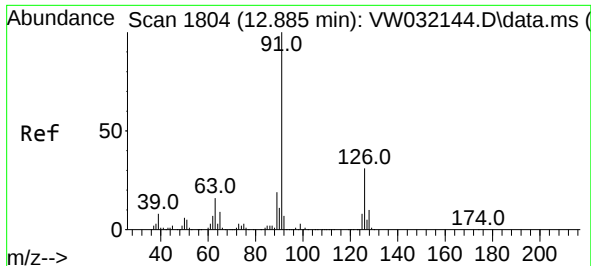
Tgt Ion:156 Resp: 132772
Ion Ratio Lower Upper
156 100
77 200.6 98.6 295.7
158 98.4 48.4 145.0



#78
n-propylbenzene
Concen: 53.230 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 91 Resp: 703032
Ion Ratio Lower Upper
91 100
120 21.7 11.8 35.4





#79

2-Chlorotoluene

Concen: 49.264 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

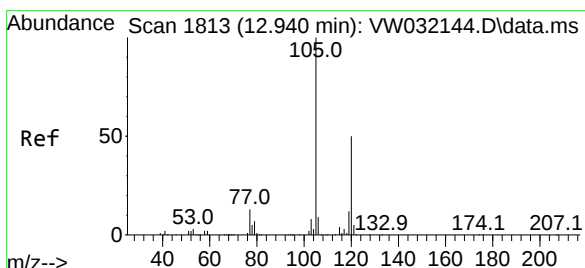
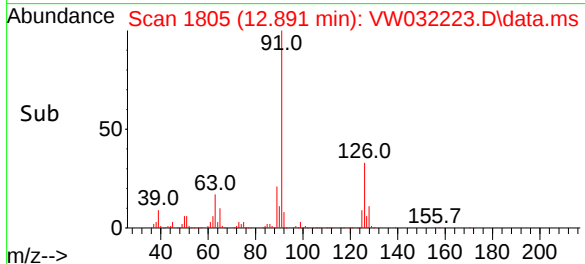
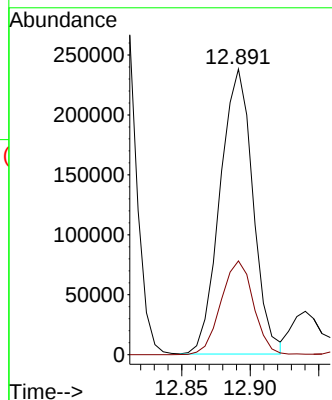
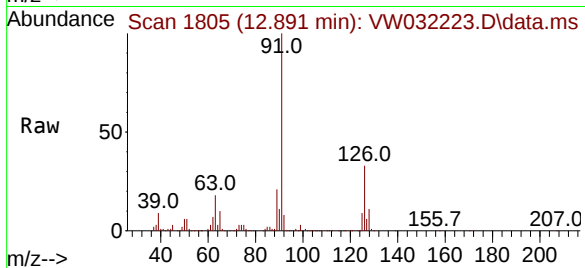
VSTDCCC050

Tgt Ion: 91 Resp: 397880

Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 50.195 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032223.D

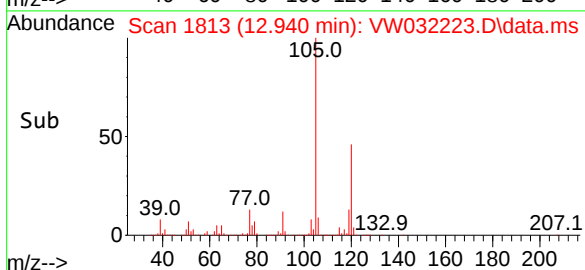
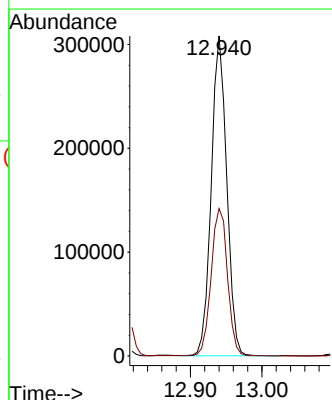
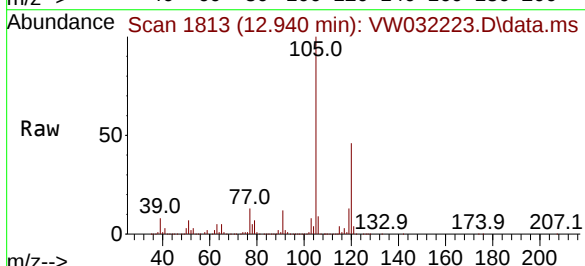
Acq: 22 Sep 2025 08:47

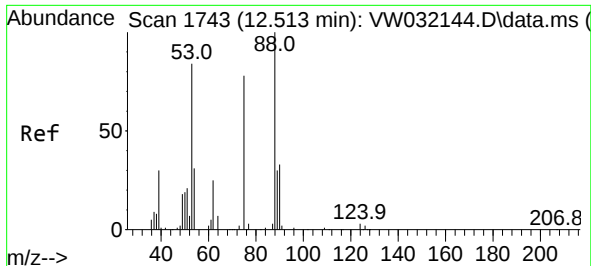
Tgt Ion: 105 Resp: 462318

Ion Ratio Lower Upper

105 100

120 48.6 24.8 74.4

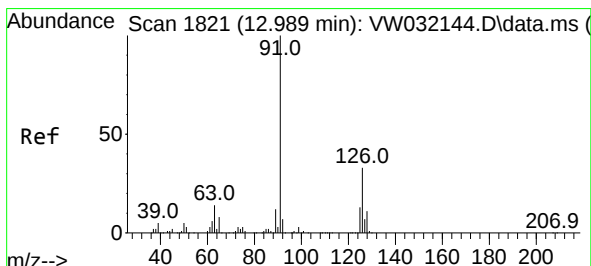
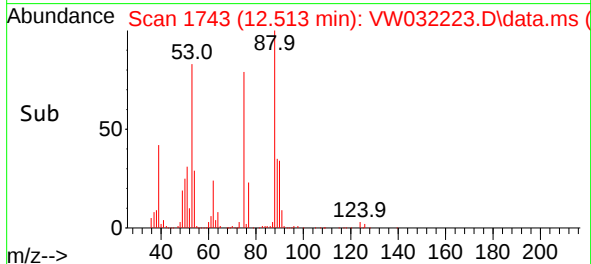
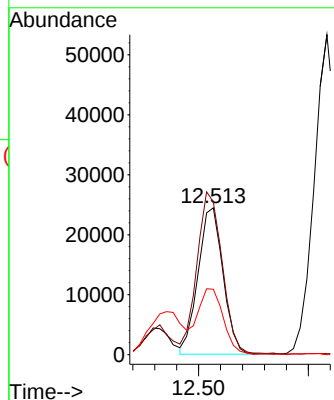
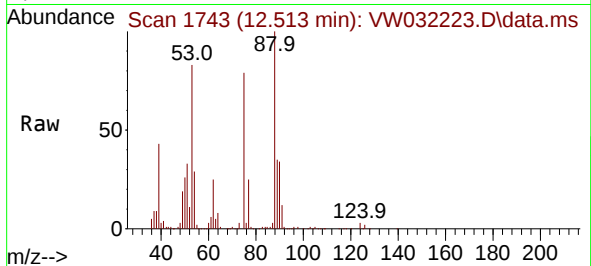




#81
trans-1,4-Dichloro-2-butene
Concen: 51.973 ug/l
RT: 12.513 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

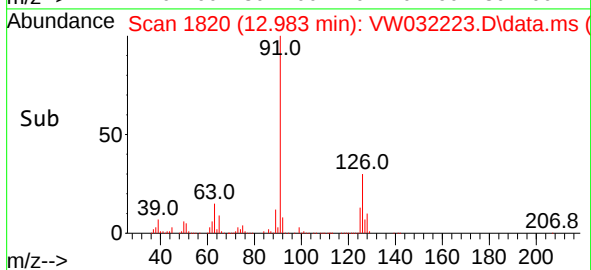
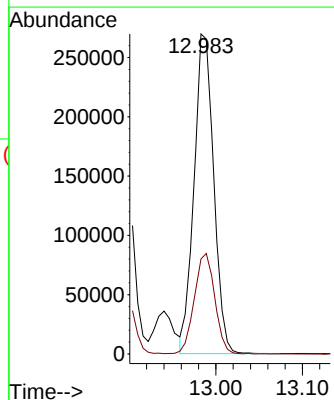
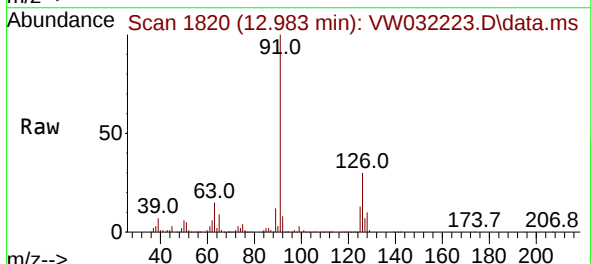
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

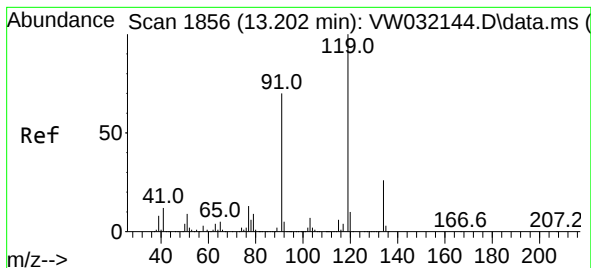
Tgt Ion: 75 Resp: 38724
Ion Ratio Lower Upper
75 100
53 111.2 91.0 136.6
89 46.0 39.4 59.2



#82
4-Chlorotoluene
Concen: 49.156 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 91 Resp: 424959
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.2

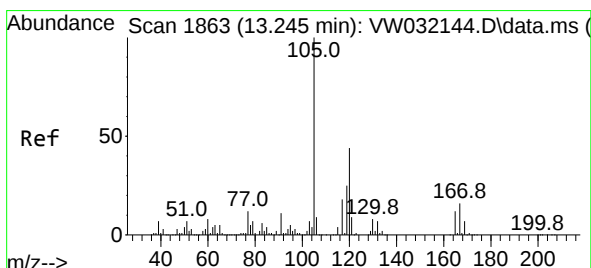
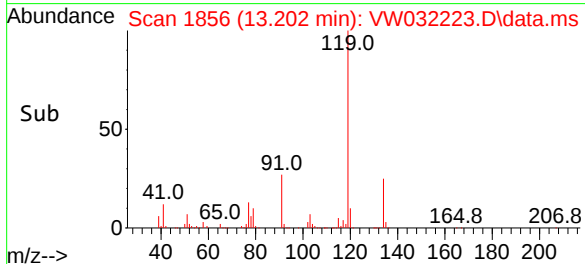
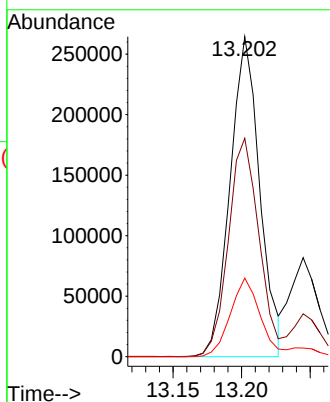
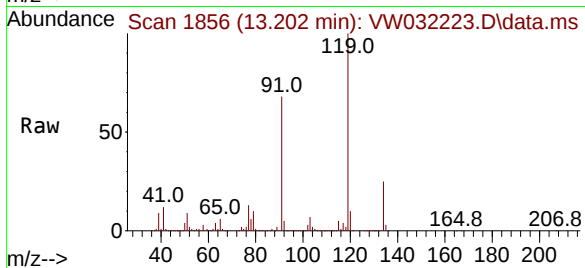




#83
tert-Butylbenzene
Concen: 51.174 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

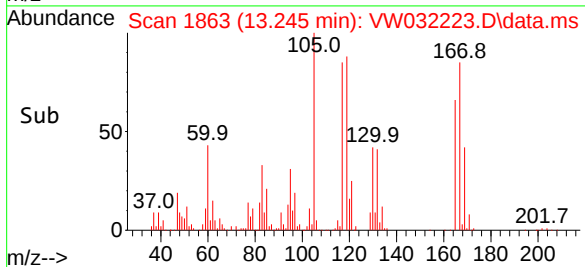
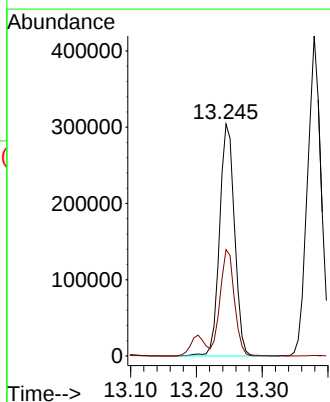
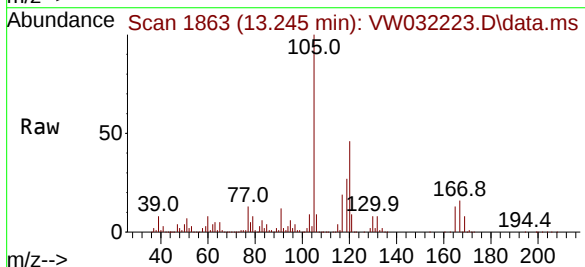
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

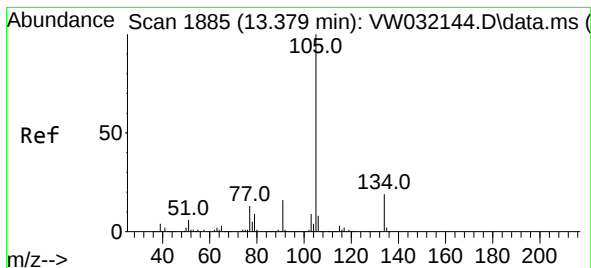
Tgt Ion:119 Resp: 399646
Ion Ratio Lower Upper
119 100
91 70.0 33.8 101.3
134 24.8 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 50.466 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion:105 Resp: 480892
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.3





#85

sec-Butylbenzene

Concen: 51.989 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

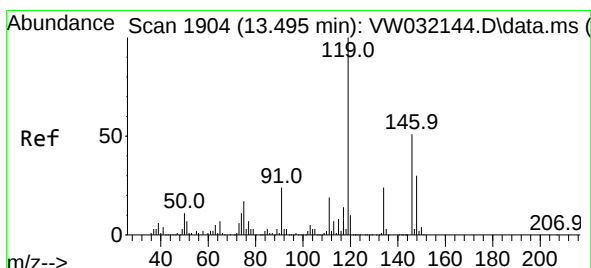
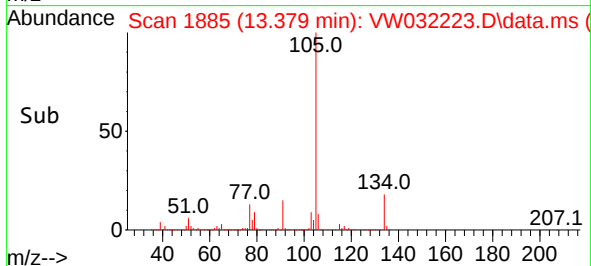
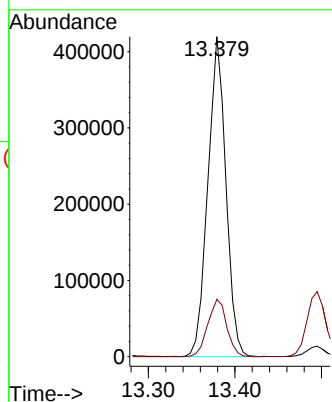
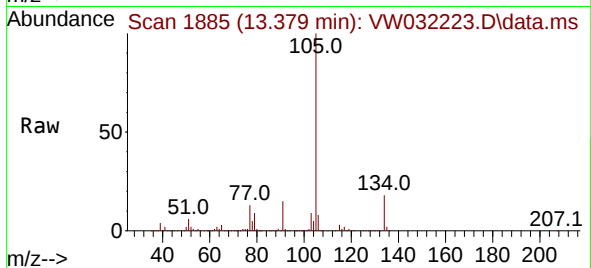
VSTDCCC050

Tgt Ion:105 Resp: 606190

Ion Ratio Lower Upper

105 100

134 18.9 10.1 30.1



#86

p-Isopropyltoluene

Concen: 50.059 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

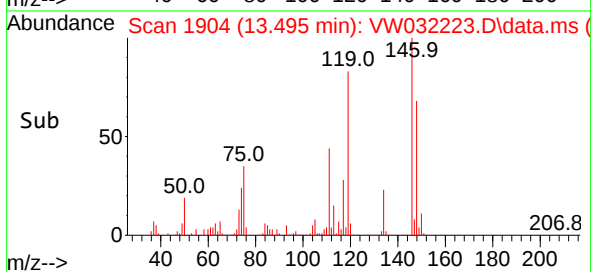
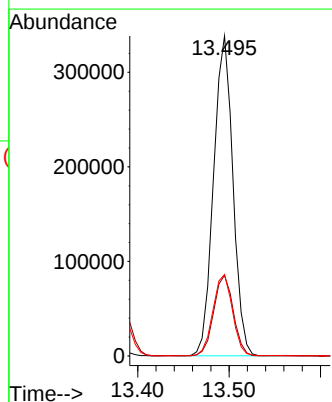
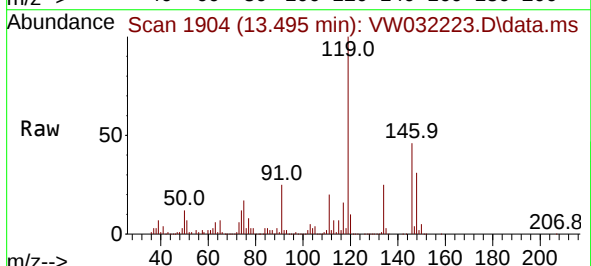
Tgt Ion:119 Resp: 496375

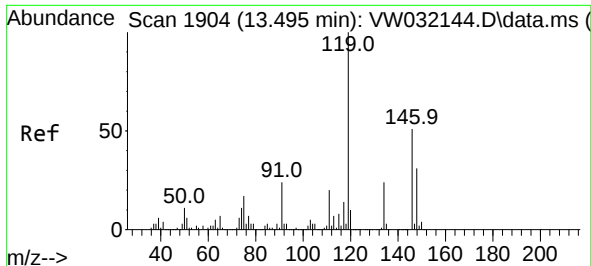
Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.6

91 25.5 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 46.689 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

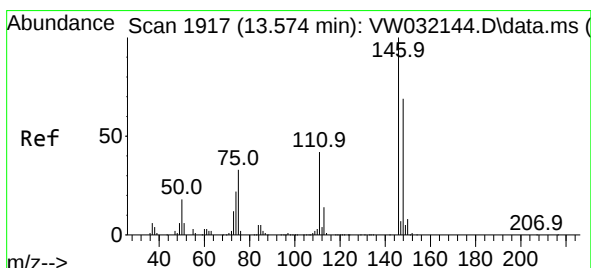
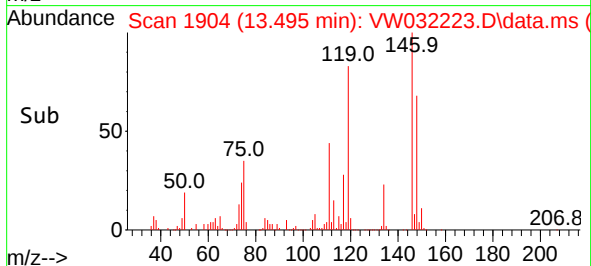
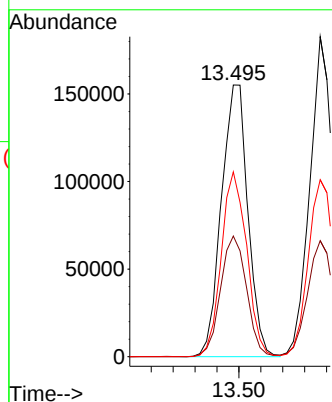
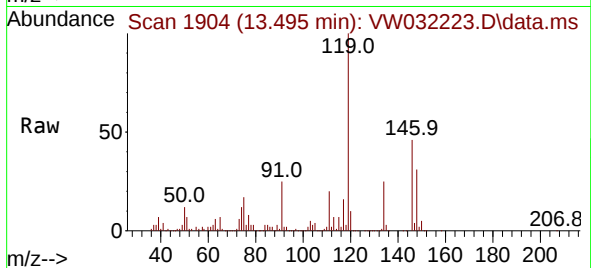
Tgt Ion:146 Resp: 260788

Ion Ratio Lower Upper

146 100

111 43.4 20.6 61.9

148 65.2 30.6 92.0



#88

1,4-Dichlorobenzene

Concen: 48.657 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

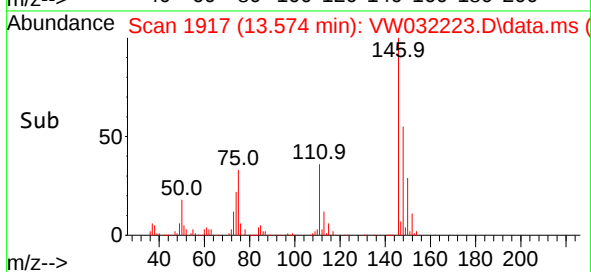
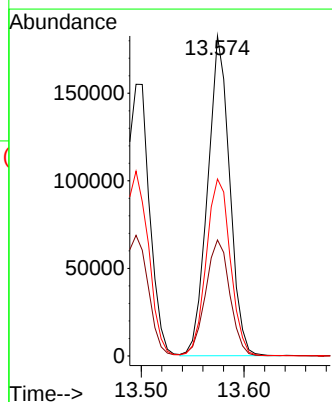
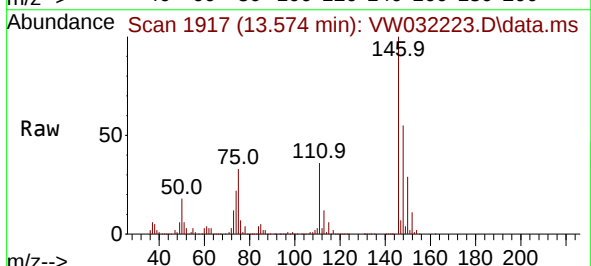
Tgt Ion:146 Resp: 272417

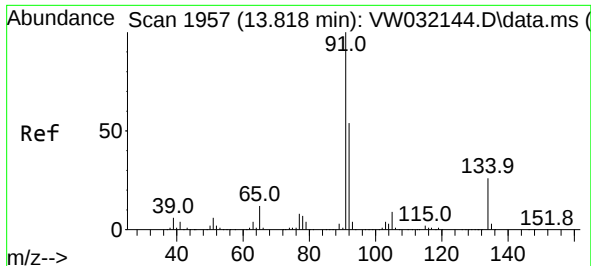
Ion Ratio Lower Upper

146 100

111 39.8 21.3 63.7

148 60.4 33.4 100.1

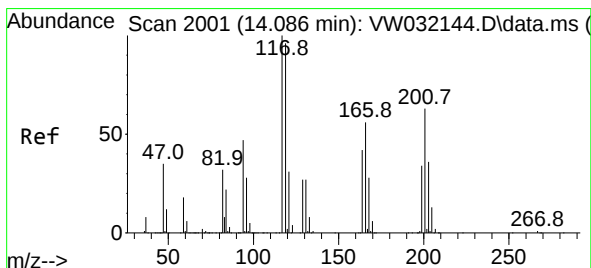
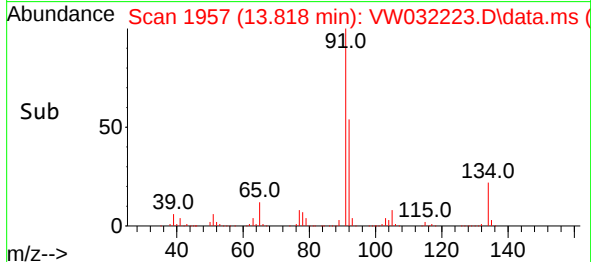
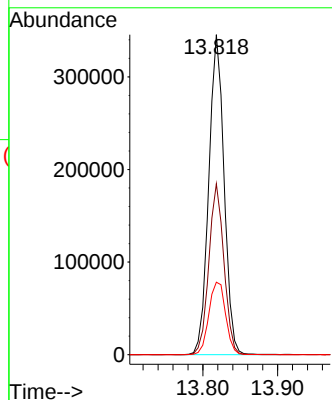
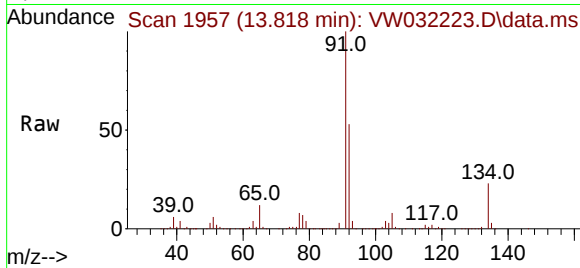




#89
n-Butylbenzene
Concen: 51.936 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

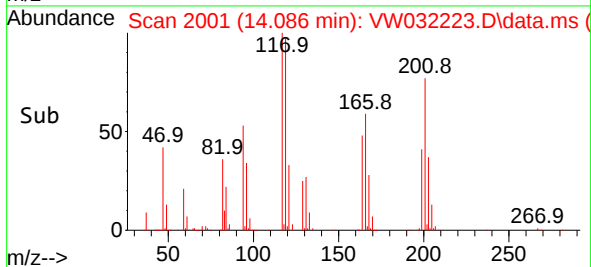
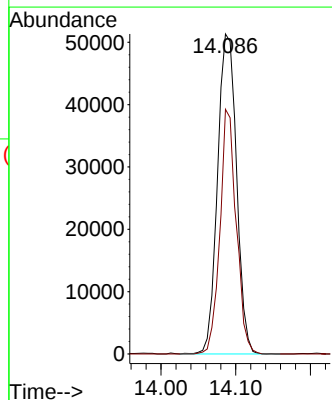
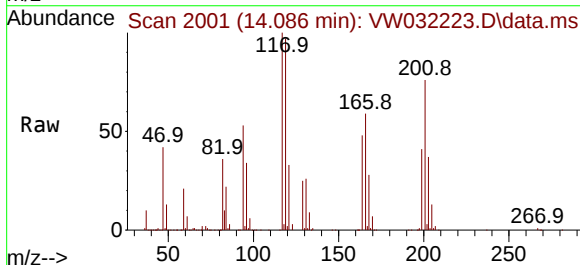
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

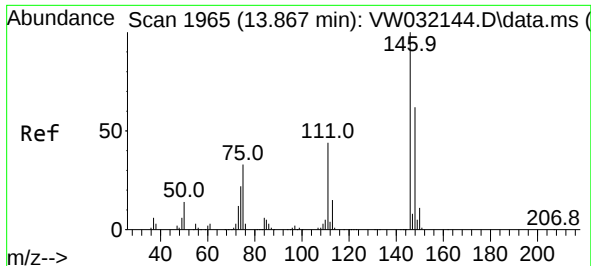
Tgt Ion: 91 Resp: 490976
Ion Ratio Lower Upper
91 100
92 52.6 27.0 81.0
134 24.8 13.1 39.3



#90
Hexachloroethane
Concen: 50.065 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 117 Resp: 90805
Ion Ratio Lower Upper
117 100
201 65.7 32.8 98.4

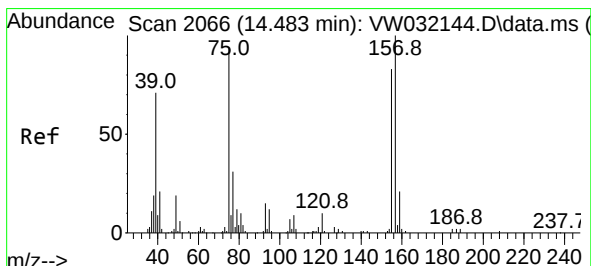
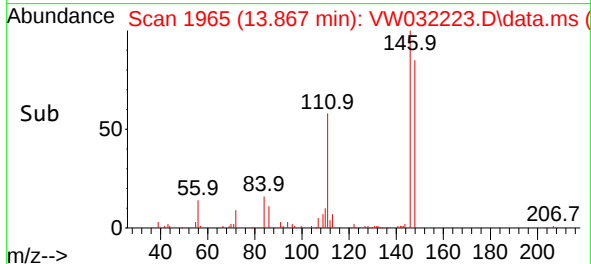
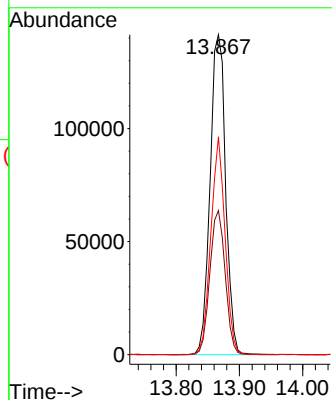
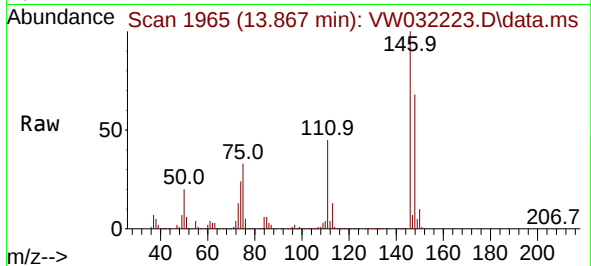




#91
1,2-Dichlorobenzene
Concen: 48.905 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

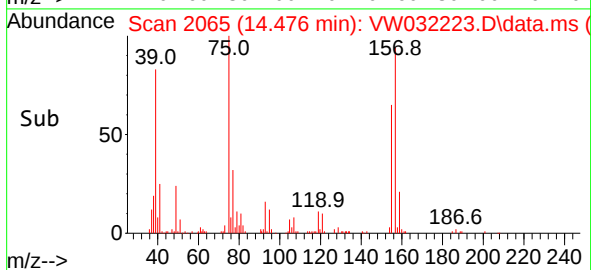
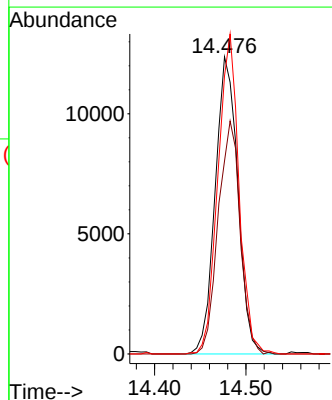
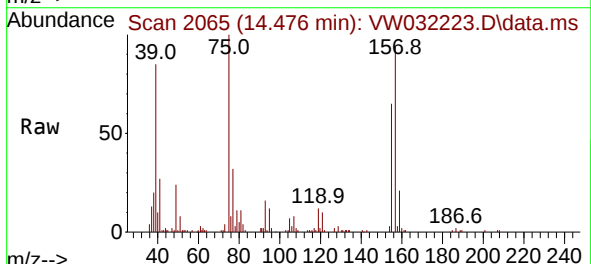
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

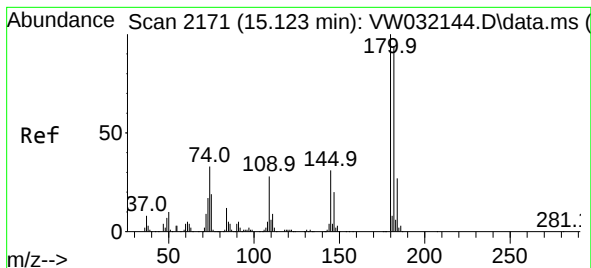
Tgt Ion:146 Resp: 241854
Ion Ratio Lower Upper
146 100
111 44.6 23.4 70.0
148 62.4 34.1 102.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.636 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032223.D
Acq: 22 Sep 2025 08:47

Tgt Ion: 75 Resp: 21300
Ion Ratio Lower Upper
75 100
155 76.1 40.8 122.5
157 100.4 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 45.522 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

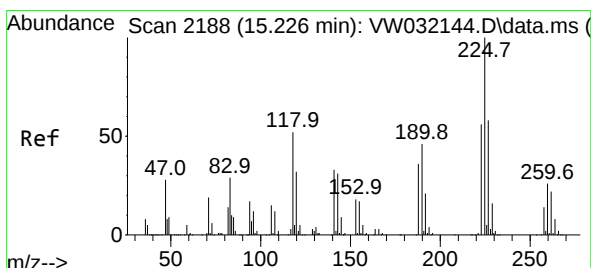
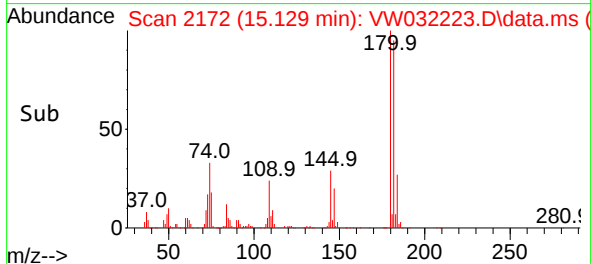
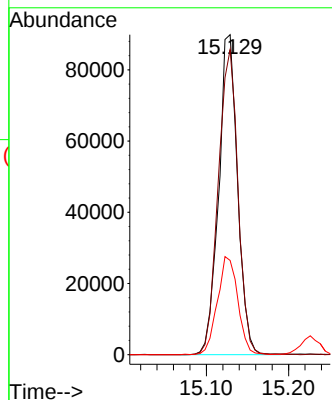
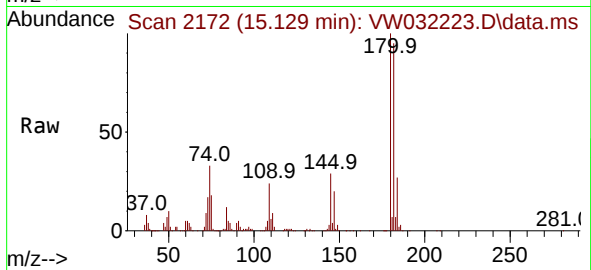
Tgt Ion:180 Resp: 143832

Ion Ratio Lower Upper

180 100

182 99.4 47.4 142.2

145 33.1 16.4 49.1



#94

Hexachlorobutadiene

Concen: 42.180 ug/l

RT: 15.232 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

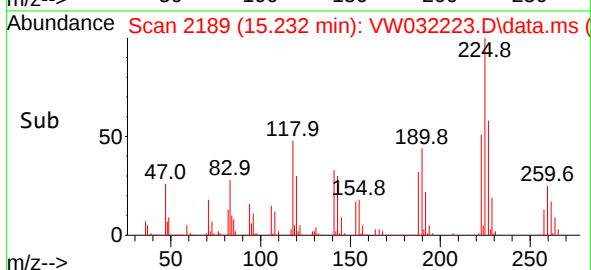
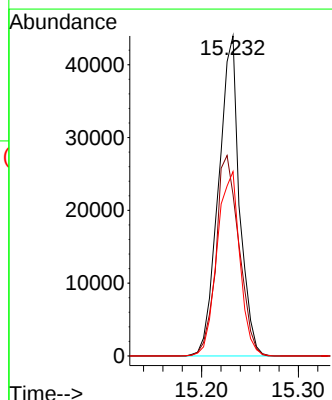
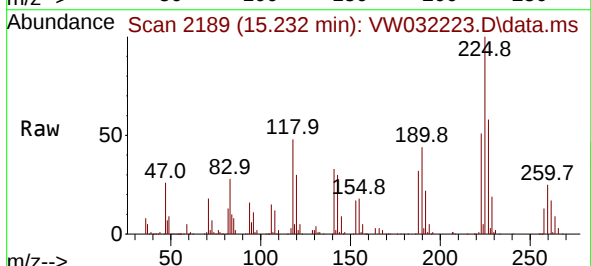
Tgt Ion:225 Resp: 66097

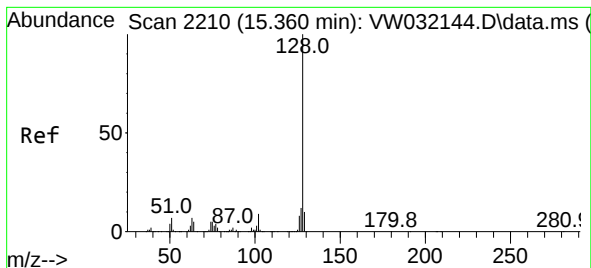
Ion Ratio Lower Upper

225 100

223 68.7 29.8 89.3

227 62.7 30.5 91.5





#95

Naphthalene

Concen: 47.151 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

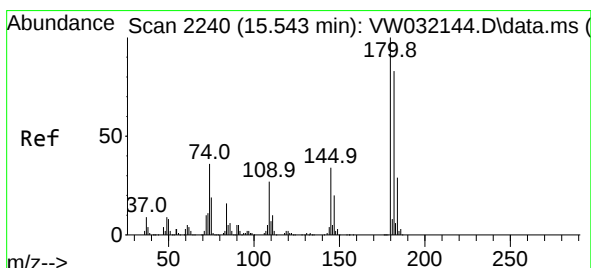
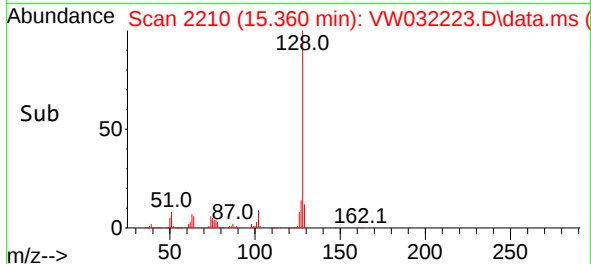
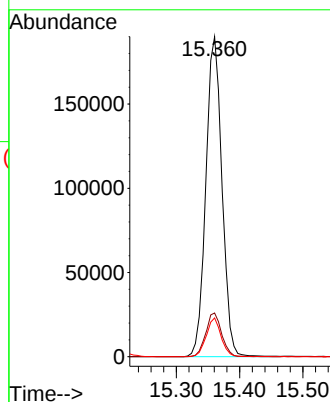
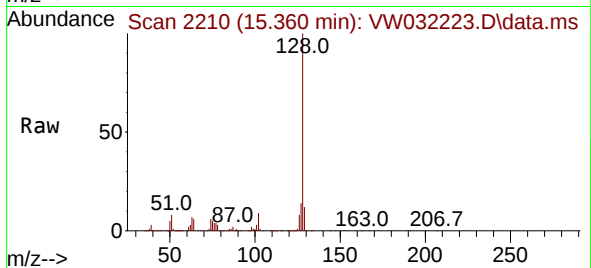
Tgt Ion:128 Resp: 337166

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 11.2 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 46.501 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW032223.D

Acq: 22 Sep 2025 08:47

Tgt Ion:180 Resp: 136642

Ion Ratio Lower Upper

180 100

182 91.8 47.7 143.1

145 35.6 17.2 51.6

