

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032509.D
 Acq On : 19 Nov 2025 17:37
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 20 01:21:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	339953	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	621310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	569383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	273664	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	225203	51.383	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 102.760%	
35) Dibromofluoromethane	7.904	113	192976	51.876	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 103.760%	
50) Toluene-d8	10.325	98	739777	51.838	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	12.617	95	274954	51.003	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 102.000%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	86872	50.367	ug/l	92
3) Chloromethane	2.253	50	153537	51.934	ug/l	98
4) Vinyl Chloride	2.405	62	183647	49.220	ug/l	100
5) Bromomethane	2.826	94	125930	50.456	ug/l	96
6) Chloroethane	2.972	64	124753	51.105	ug/l	96
7) Trichlorofluoromethane	3.308	101	137929	47.150	ug/l	99
8) Diethyl Ether	3.722	74	125927	52.652	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	160240	50.285	ug/l	99
10) Methyl Iodide	4.314	142	260610	50.777	ug/l	98
11) Tert butyl alcohol	5.222	59	87045	229.681	ug/l	100
12) 1,1-Dichloroethene	4.082	96	183603	50.247	ug/l	93
13) Acrolein	3.929	56	90859	142.892	ug/l	100
14) Allyl chloride	4.704	41	346982	49.380	ug/l	98
15) Acrylonitrile	5.399	53	368930	266.791	ug/l	99
16) Acetone	4.155	43	305827	233.237	ug/l	98
17) Carbon Disulfide	4.423	76	523266	48.451	ug/l	98
18) Methyl Acetate	4.710	43	226982	69.904	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	386382	50.163	ug/l	99
20) Methylene Chloride	4.960	84	244217	52.080	ug/l	99
21) trans-1,2-Dichloroethene	5.460	96	218848	52.379	ug/l	96
22) Diisopropyl ether	6.338	45	769506	53.786	ug/l	99
23) Vinyl Acetate	6.283	43	2403464	245.198	ug/l	98
24) 1,1-Dichloroethane	6.246	63	427987	54.601	ug/l	99
25) 2-Butanone	7.191	43	486700	251.945	ug/l	99
26) 2,2-Dichloropropane	7.185	77	197919	45.306	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	267692	53.620	ug/l	99
28) Bromochloromethane	7.532	49	204646	55.239	ug/l	97
29) Tetrahydrofuran	7.551	42	331023	269.979	ug/l	98
30) Chloroform	7.697	83	431222	56.196	ug/l	100
31) Cyclohexane	7.971	56	347674	47.950	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	285997	52.173	ug/l	98
36) 1,1-Dichloropropene	8.093	75	294282	53.692	ug/l	99
37) Ethyl Acetate	7.270	43	211738	51.952	ug/l	100
38) Carbon Tetrachloride	8.087	117	257733	52.922	ug/l	96
39) Methylcyclohexane	9.343	83	354249	49.892	ug/l	95
40) Benzene	8.337	78	955714	54.146	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	115210	51.459	ug/l	98
42) 1,2-Dichloroethane	8.410	62	292362	56.391	ug/l	98
43) Isopropyl Acetate	8.435	43	372774	51.655	ug/l	99
44) Trichloroethene	9.099	130	215303	52.421	ug/l	96
45) 1,2-Dichloropropane	9.374	63	243883	55.491	ug/l	100
46) Dibromomethane	9.465	93	139698	54.393	ug/l	97
47) Bromodichloromethane	9.648	83	321281	54.840	ug/l	97
48) Methyl methacrylate	9.441	41	177389	51.728	ug/l	95
49) 1,4-Dioxane	9.465	88	38826	1079.135	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	1094680	274.388	ug/l	99
52) Toluene	10.392	92	589658	54.085	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	312153	51.736	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	366355	52.506	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	191701	54.410	ug/l	96
56) Ethyl methacrylate	10.648	69	289898	53.626	ug/l	99
57) 1,3-Dichloropropane	10.934	76	343821	54.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	818540	284.322	ug/l	100
59) 2-Hexanone	10.971	43	764977	262.079	ug/l	100
60) Dibromochloromethane	11.129	129	210361	53.465	ug/l	98
61) 1,2-Dibromoethane	11.239	107	183947	53.604	ug/l	97
64) Tetrachloroethene	10.867	164	195033	57.843	ug/l	89
65) Chlorobenzene	11.660	112	659010	53.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	205912	54.216	ug/l	97
67) Ethyl Benzene	11.727	91	1109658	52.257	ug/l	98
68) m/p-Xylenes	11.837	106	851093	106.751	ug/l	96
69) o-Xylene	12.166	106	403383	52.841	ug/l	98
70) Styrene	12.178	104	717919	54.669	ug/l	98
71) Bromoform	12.349	173	110253	49.010	ug/l #	100
73) Isopropylbenzene	12.458	105	1010040	50.254	ug/l	99
74) N-amyl acetate	12.269	43	338935	48.529	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	248528	52.103	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	307067	81.833	ug/l	36
77) Bromobenzene	12.745	156	234851	49.352	ug/l	91
78) n-propylbenzene	12.800	91	1269657	51.872	ug/l	100
79) 2-Chlorotoluene	12.891	91	764161	51.142	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	845415	50.985	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	78755	48.072	ug/l	96
82) 4-Chlorotoluene	12.983	91	788613	50.744	ug/l	99
83) tert-Butylbenzene	13.202	119	708002	49.084	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	875850	51.932	ug/l	100
85) sec-Butylbenzene	13.379	105	1054354	49.081	ug/l	100
86) p-Isopropyltoluene	13.495	119	882316	49.745	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	466494	51.704	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	458865	49.643	ug/l	96
89) n-Butylbenzene	13.818	91	852780	49.213	ug/l	99
90) Hexachloroethane	14.086	117	159108	49.753	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	420911	50.820	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	39857	48.504	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	249433	47.325	ug/l	94
94) Hexachlorobutadiene	15.226	225	92994	42.475	ug/l	83
95) Naphthalene	15.360	128	632982	48.160	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	233098	48.713	ug/l	95

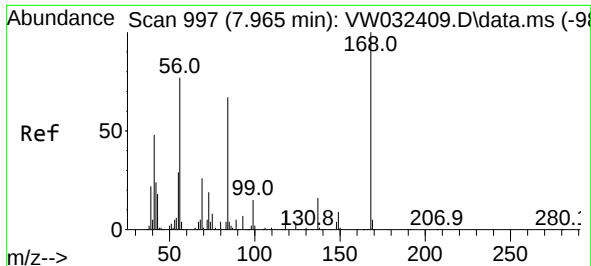
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Response via : Initial Calibration

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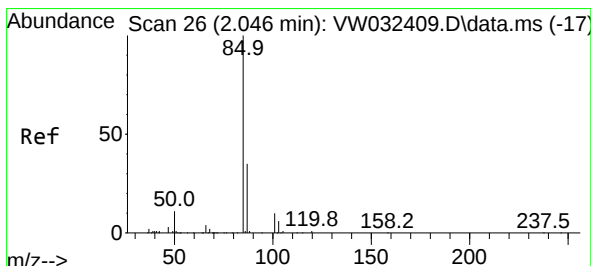
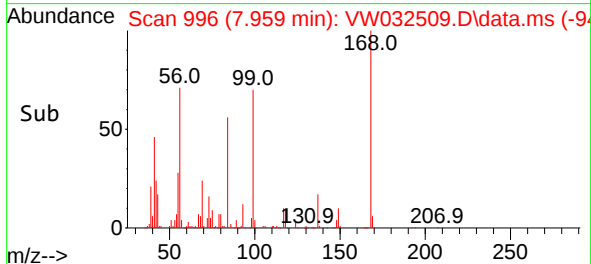
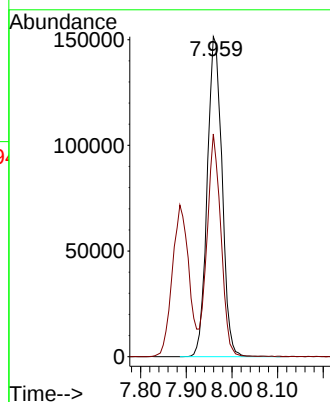
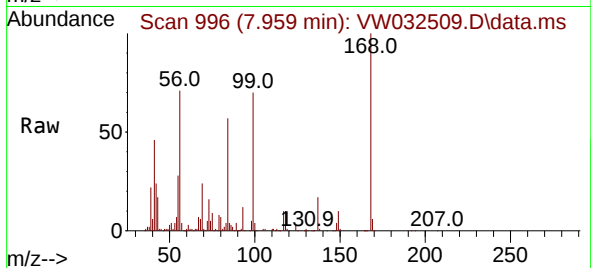
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

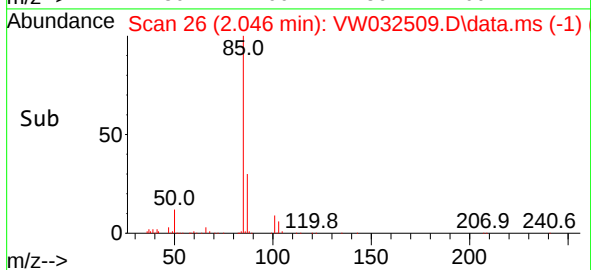
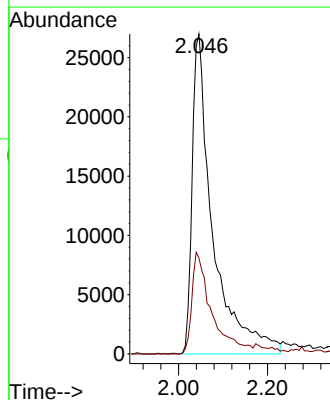
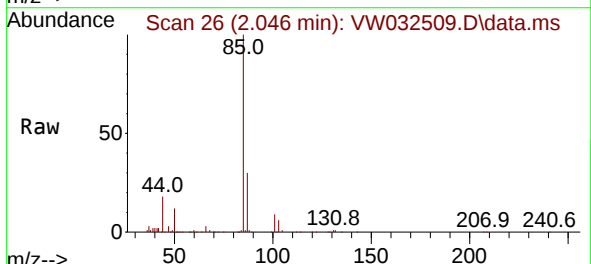
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 339953
Ion Ratio Lower Upper
168 100
99 69.5 45.4 68.2#



#2
Dichlorodifluoromethane
Concen: 50.367 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 85 Resp: 86872
Ion Ratio Lower Upper
85 100
87 30.0 17.4 52.2

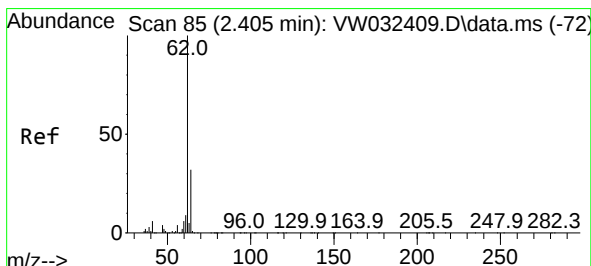
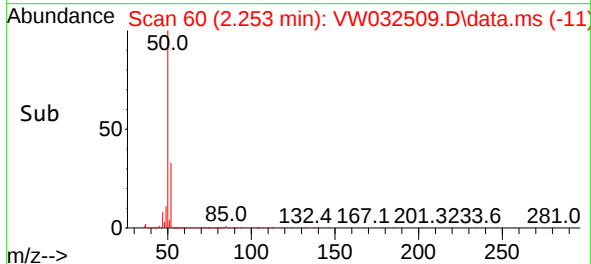
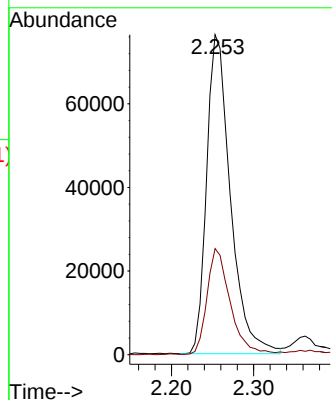
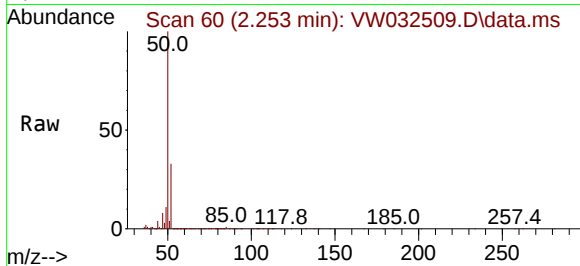




#3
Chloromethane
Concen: 51.934 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

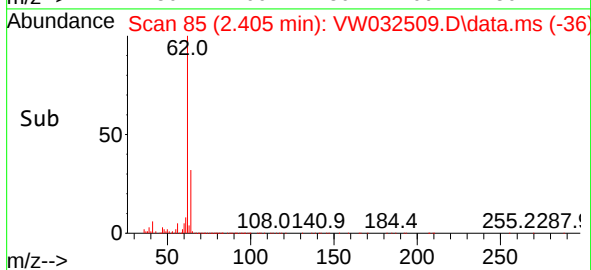
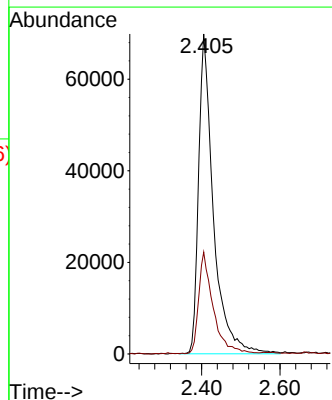
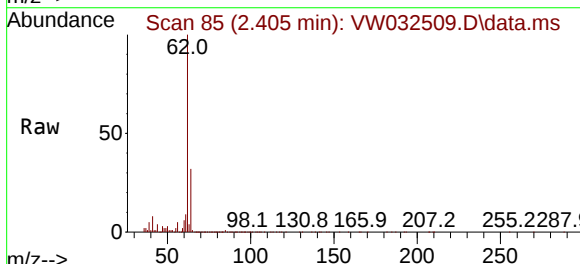
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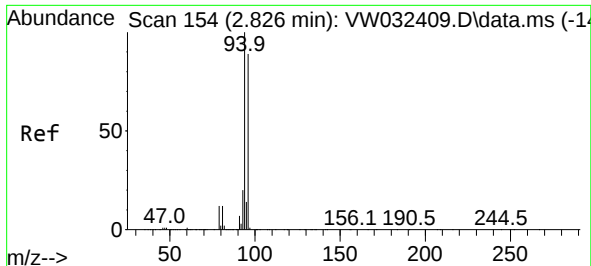
Tgt Ion: 50 Resp: 153537
Ion Ratio Lower Upper
50 100
52 33.1 25.5 38.3



#4
Vinyl Chloride
Concen: 49.220 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 62 Resp: 183647
Ion Ratio Lower Upper
62 100
64 31.8 25.2 37.8

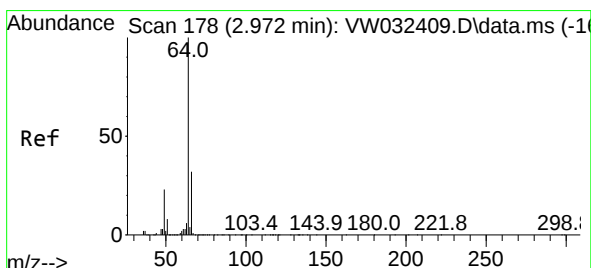
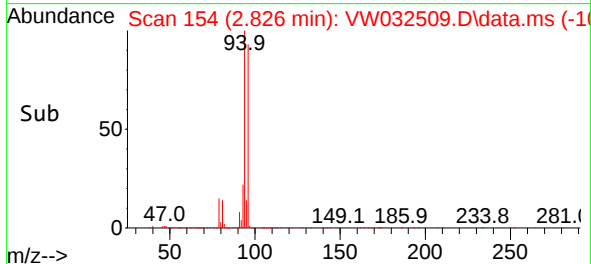
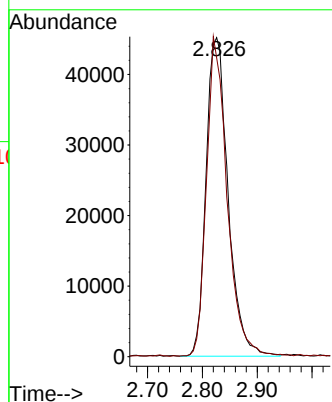
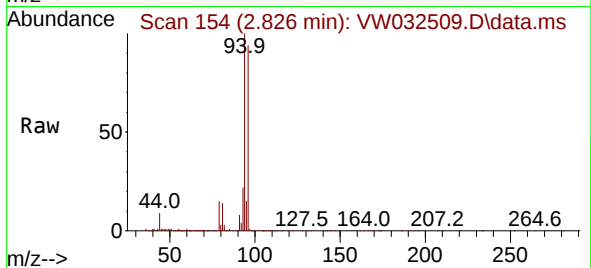




#5
Bromomethane
Concen: 50.456 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

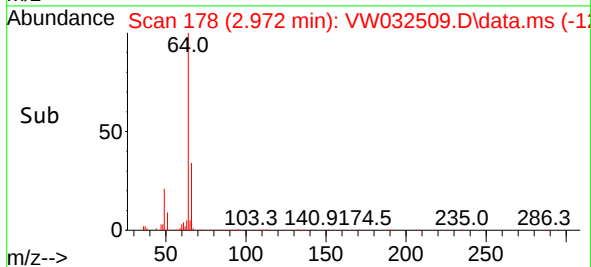
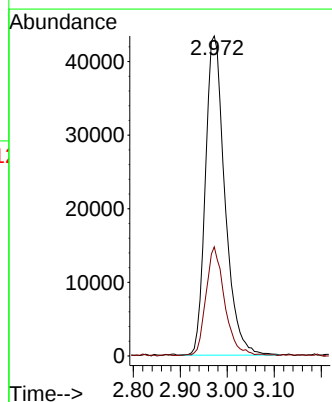
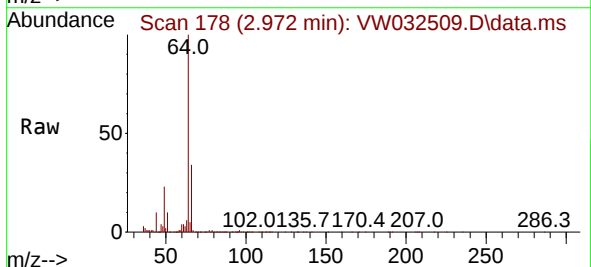
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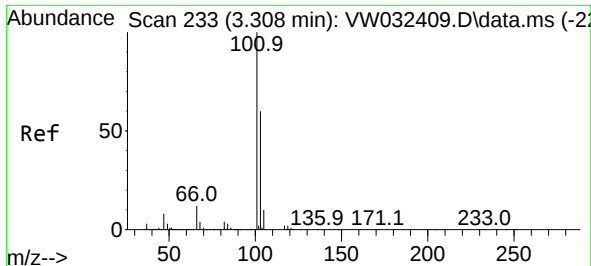
Tgt Ion: 94 Resp: 125930
Ion Ratio Lower Upper
94 100
96 93.4 71.4 107.2



#6
Chloroethane
Concen: 51.105 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 64 Resp: 124753
Ion Ratio Lower Upper
64 100
66 34.0 25.6 38.4

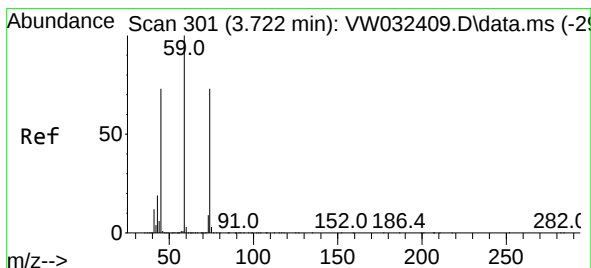
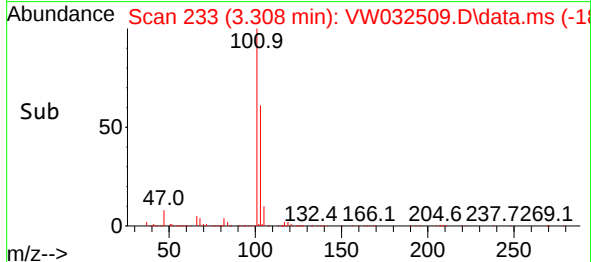
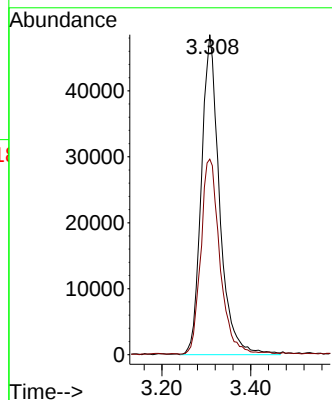
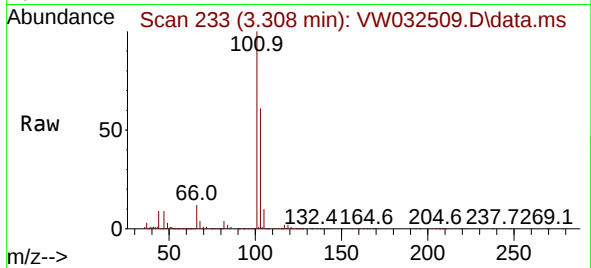




#7
 Trichlorofluoromethane
 Concen: 47.150 ug/l
 RT: 3.308 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032509.D
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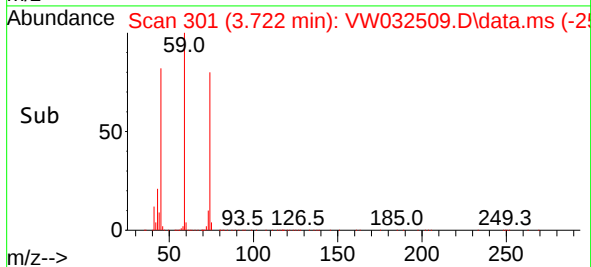
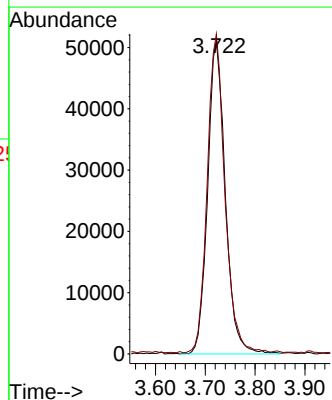
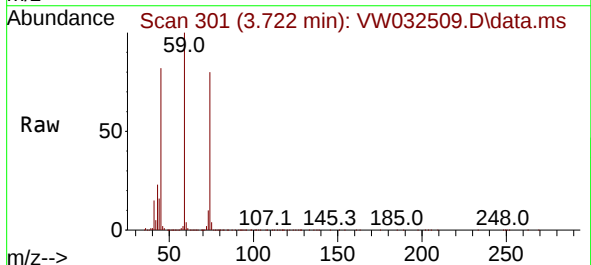
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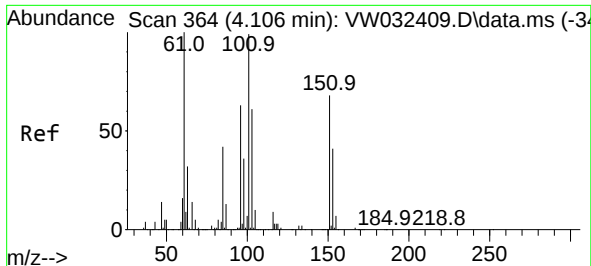
Tgt Ion:101 Resp: 137929
 Ion Ratio Lower Upper
 101 100
 103 60.9 48.0 72.0



#8
 Diethyl Ether
 Concen: 52.652 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. 0.000 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

Tgt Ion: 74 Resp: 125927
 Ion Ratio Lower Upper
 74 100
 45 101.5 51.8 155.4

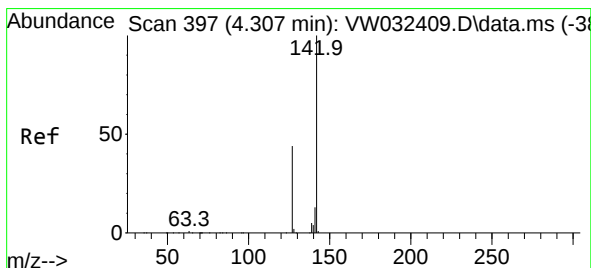
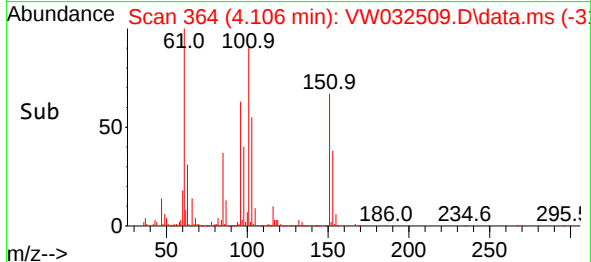
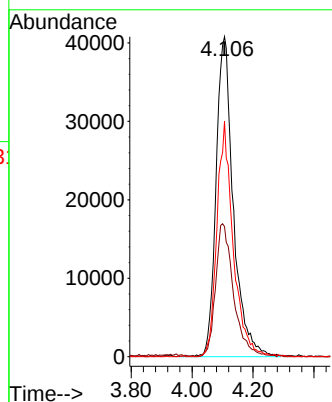
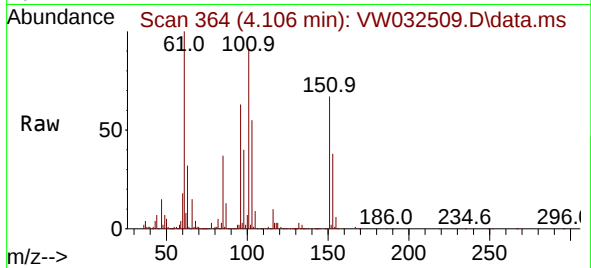




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.285 ug/l
RT: 4.106 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW032509.D
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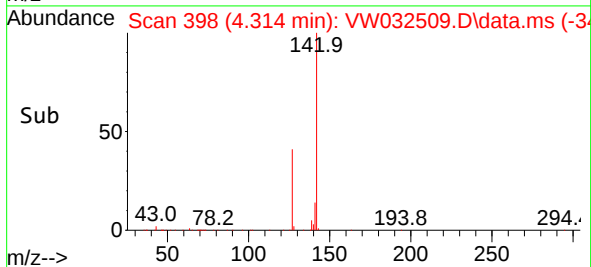
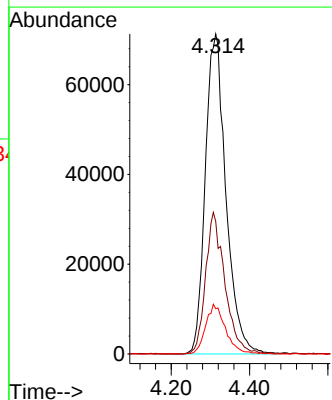
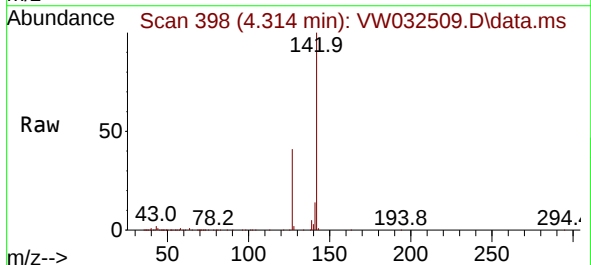
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ClientSampleId :
VSTDCCC050EC

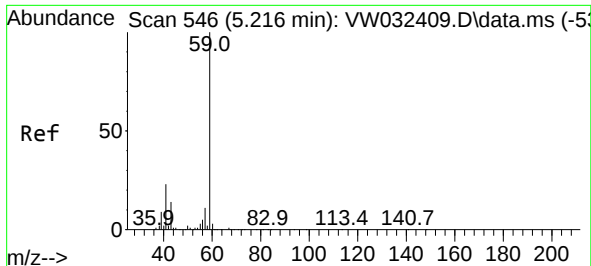
Tgt Ion:101 Resp: 160240
Ion Ratio Lower Upper
101 100
85 43.4 34.1 51.1
151 69.3 56.4 84.6



#10
Methyl Iodide
Concen: 50.777 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion:142 Resp: 260610
Ion Ratio Lower Upper
142 100
127 41.4 34.2 51.2
141 14.9 11.8 17.8

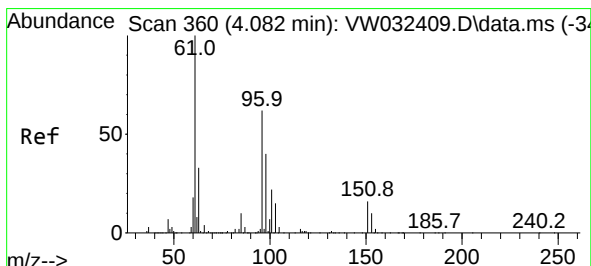
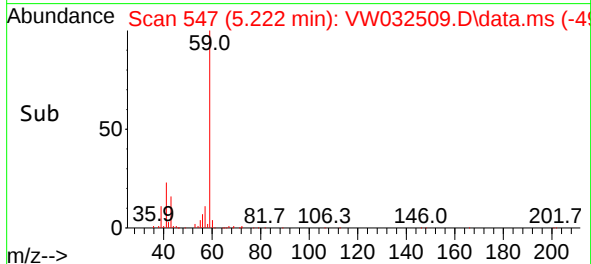
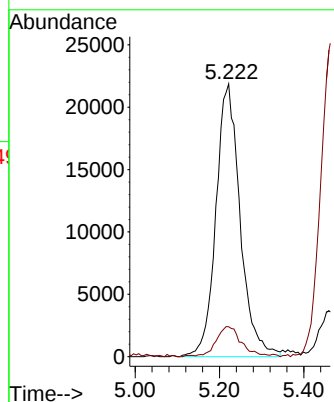
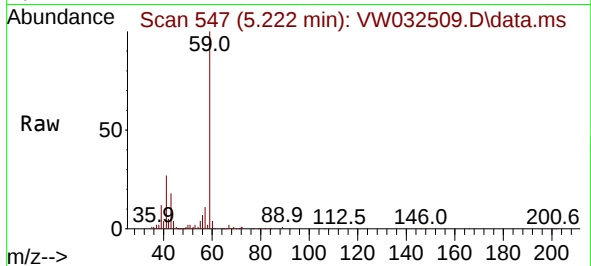




#11
Tert butyl alcohol
Concen: 229.681 ug/l
RT: 5.222 min Scan# 546
Delta R.T. 0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

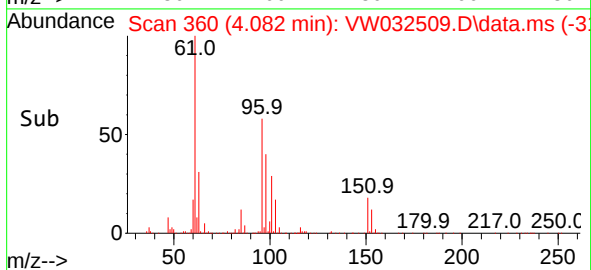
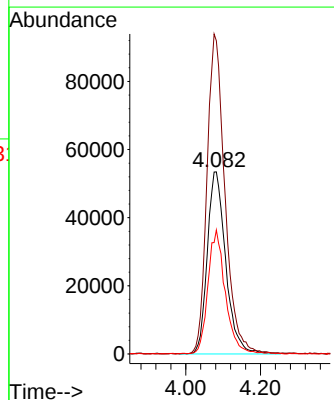
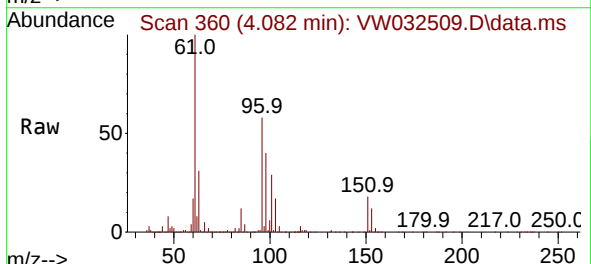
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

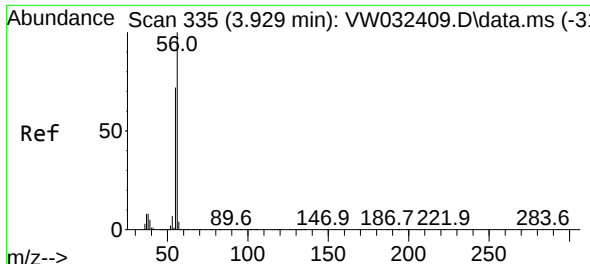
Tgt Ion: 59 Resp: 87045
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#12
1,1-Dichloroethene
Concen: 50.247 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 96 Resp: 183603
Ion Ratio Lower Upper
96 100
61 171.8 129.0 193.6
98 67.9 51.1 76.7

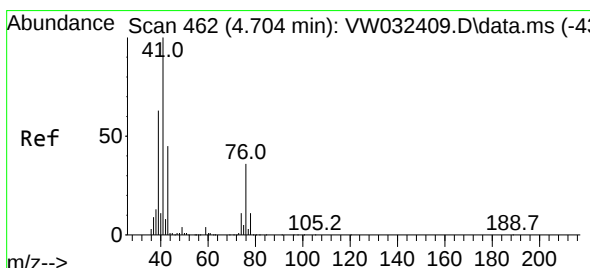
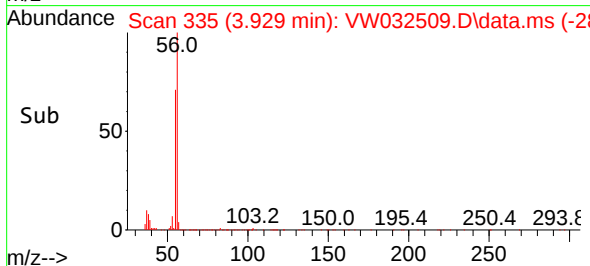
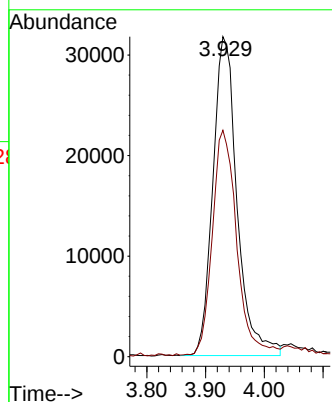
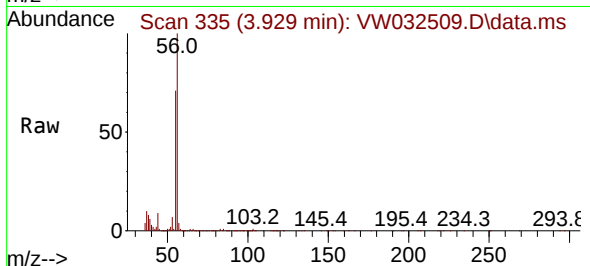




#13
Acrolein
Concen: 142.892 ug/l
RT: 3.929 min Scan# 335
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

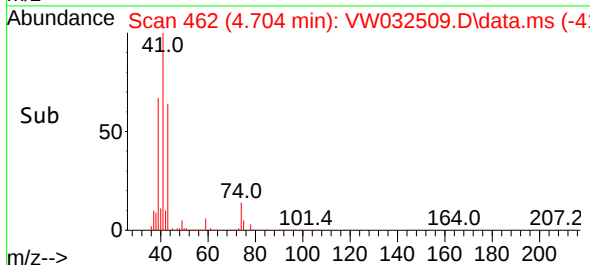
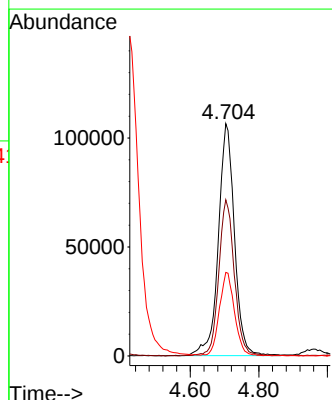
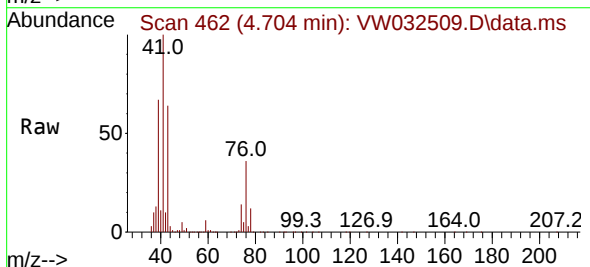
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

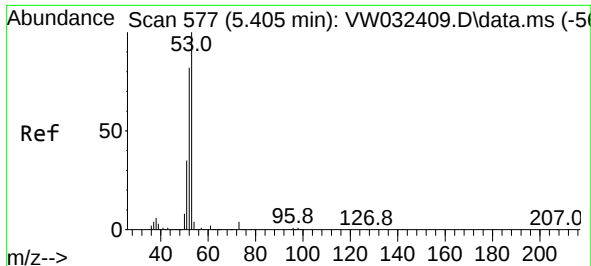
Tgt Ion: 56 Resp: 90859
Ion Ratio Lower Upper
56 100
55 70.7 56.3 84.5



#14
Allyl chloride
Concen: 49.380 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 41 Resp: 346982
Ion Ratio Lower Upper
41 100
39 64.9 50.2 75.2
76 33.3 27.0 40.6

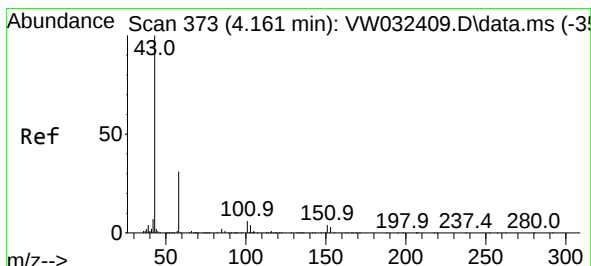
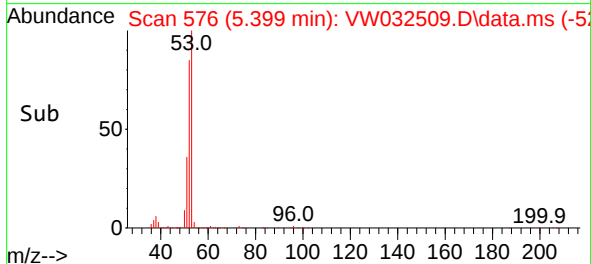
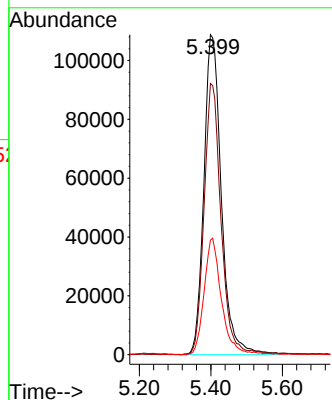
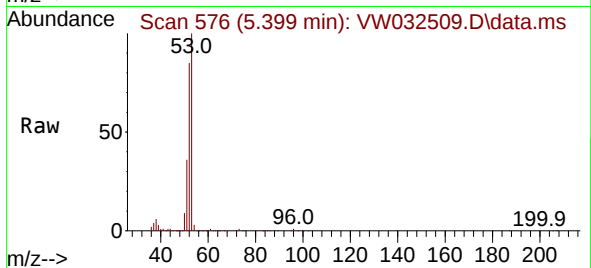




#15
Acrylonitrile
Concen: 266.791 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

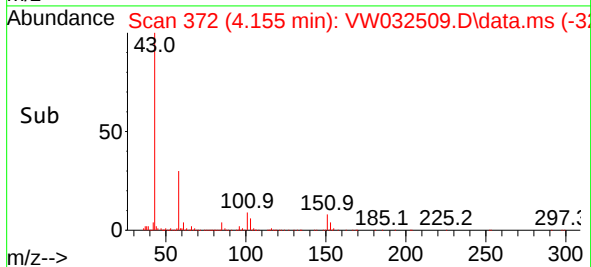
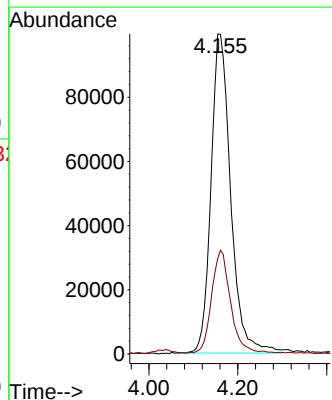
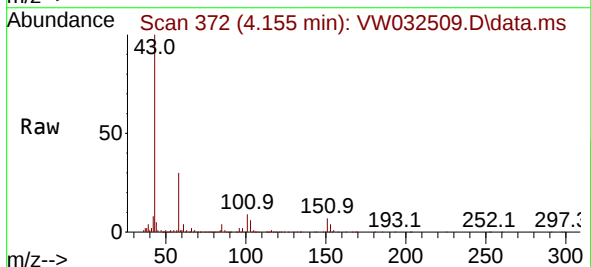
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

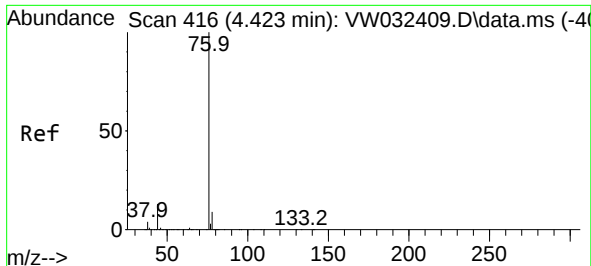
Tgt Ion: 53 Resp: 368930
Ion Ratio Lower Upper
53 100
52 82.3 66.4 99.6
51 36.2 28.6 43.0



#16
Acetone
Concen: 233.237 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 43 Resp: 305827
Ion Ratio Lower Upper
43 100
58 29.7 24.8 37.2

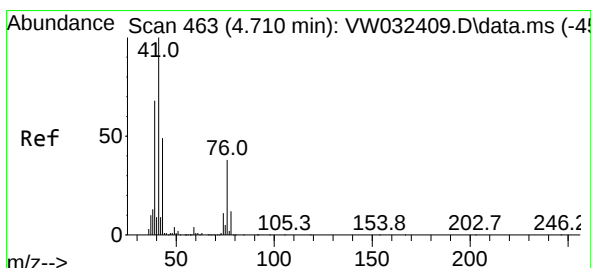
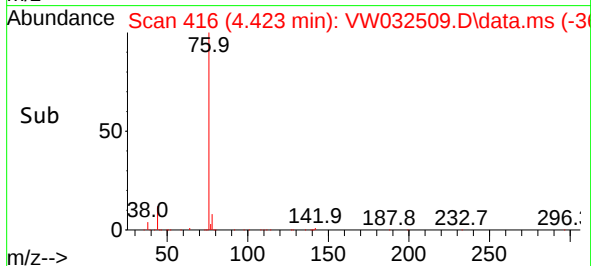
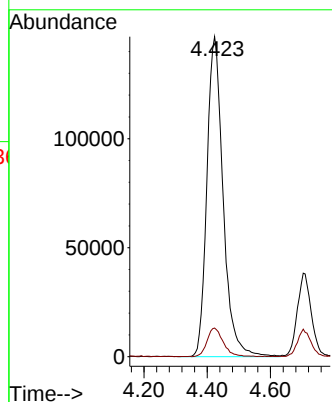
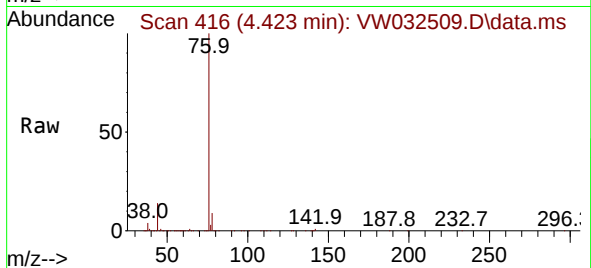




#17
Carbon Disulfide
Concen: 48.451 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

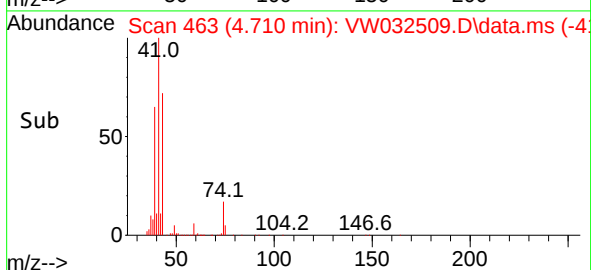
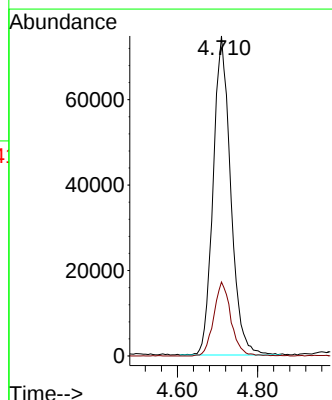
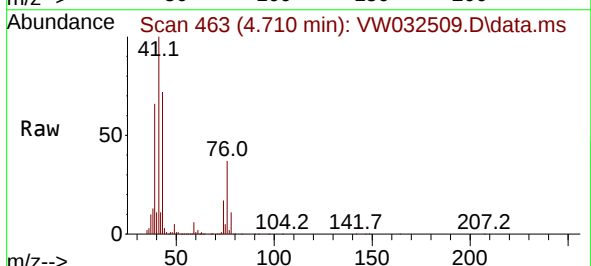
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

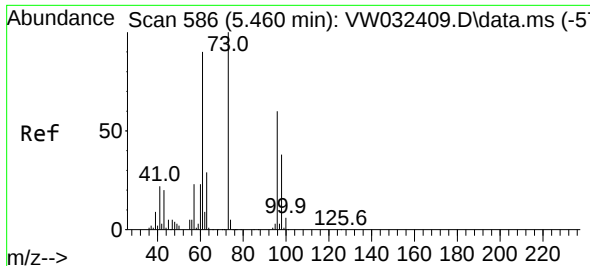
Tgt Ion: 76 Resp: 523266
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4



#18
Methyl Acetate
Concen: 69.904 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 43 Resp: 226982
Ion Ratio Lower Upper
43 100
74 22.8 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 50.163 ug/l

RT: 5.466 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

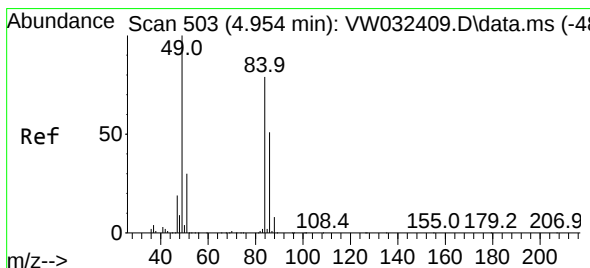
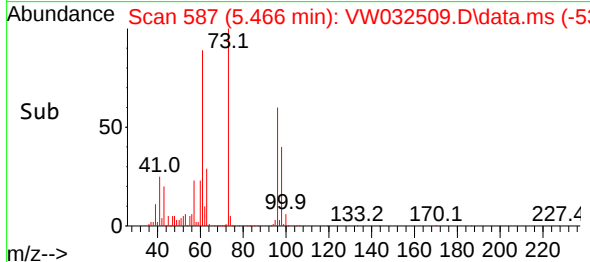
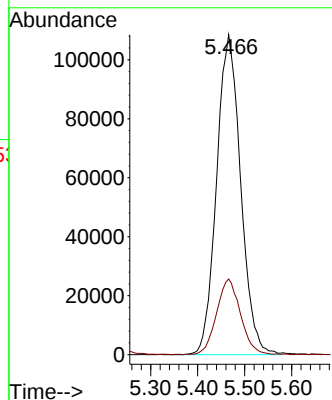
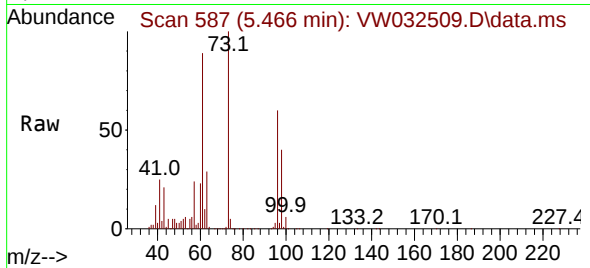
VSTDCCC050EC

Tgt Ion: 73 Resp: 386382

Ion Ratio Lower Upper

73 100

57 23.5 18.3 27.5



#20

Methylene Chloride

Concen: 52.080 ug/l

RT: 4.960 min Scan# 504

Delta R.T. 0.006 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Tgt Ion: 84 Resp: 244217

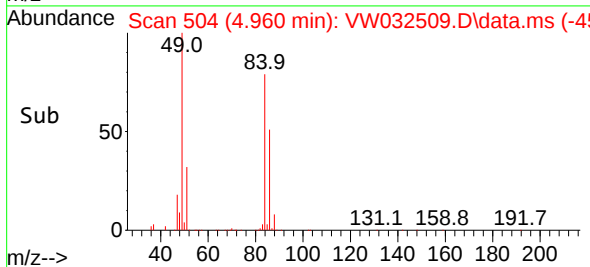
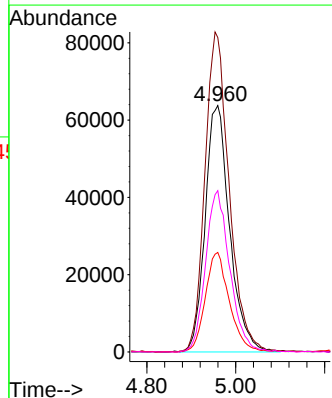
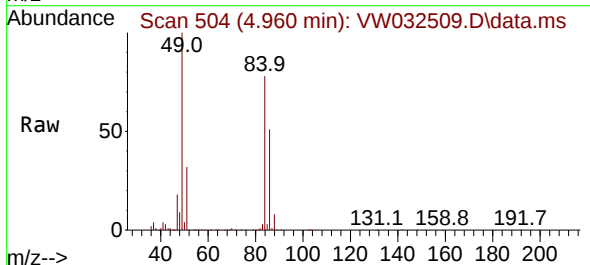
Ion Ratio Lower Upper

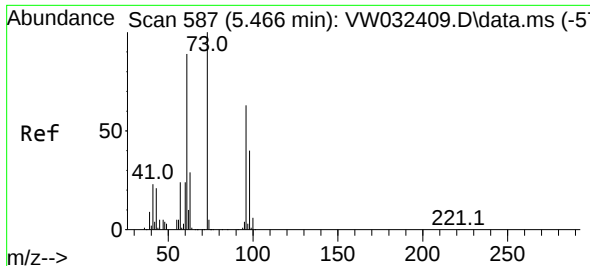
84 100

49 127.2 101.5 152.3

51 40.1 30.6 46.0

86 65.4 51.9 77.9

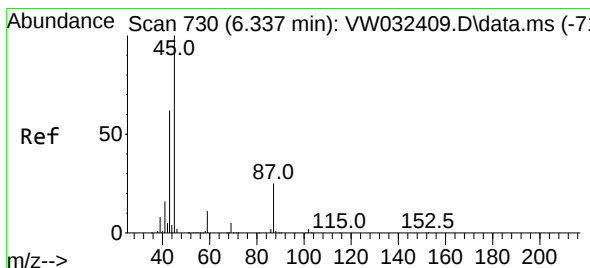
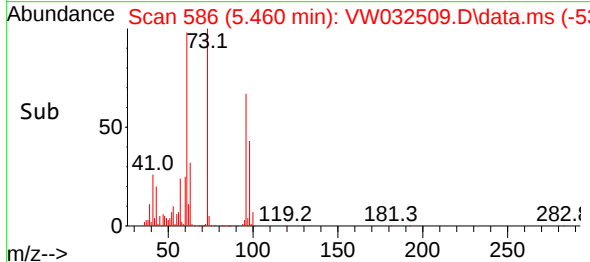
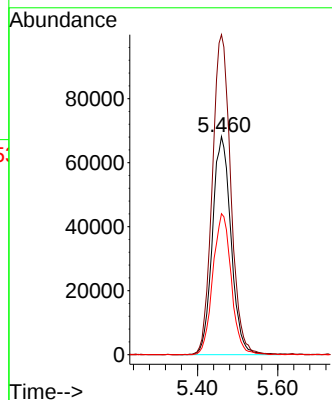
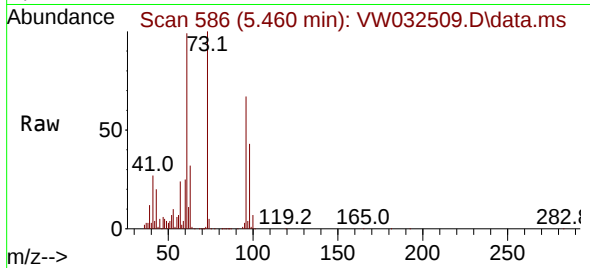




#21
trans-1,2-Dichloroethene
Concen: 52.379 ug/l
RT: 5.460 min Scan# 587
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

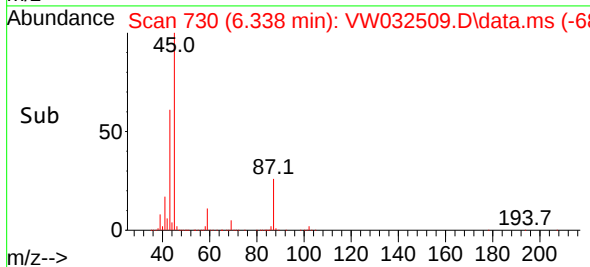
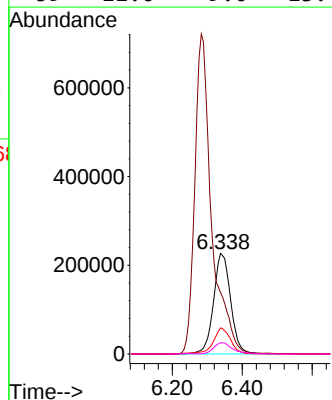
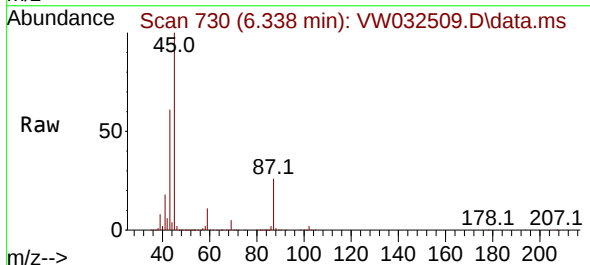
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

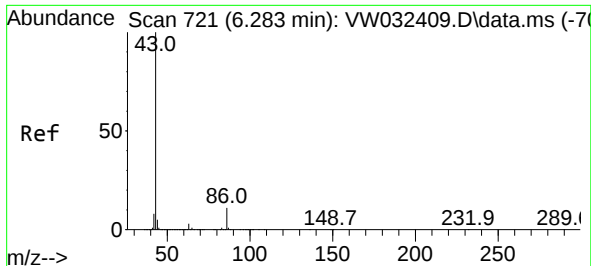
Tgt Ion: 96 Resp: 218848
Ion Ratio Lower Upper
96 100
61 146.7 112.5 168.7
98 64.5 51.1 76.7



#22
Diisopropyl ether
Concen: 53.786 ug/l
RT: 6.338 min Scan# 730
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 45 Resp: 769506
Ion Ratio Lower Upper
45 100
43 60.7 49.4 74.2
87 25.9 20.1 30.1
59 11.0 9.0 13.4

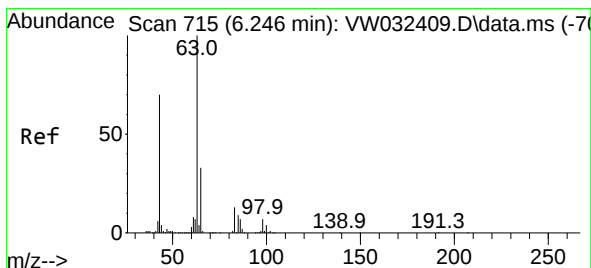
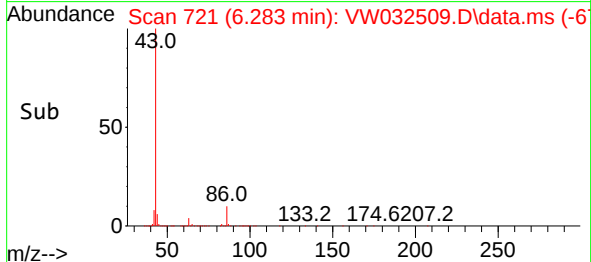
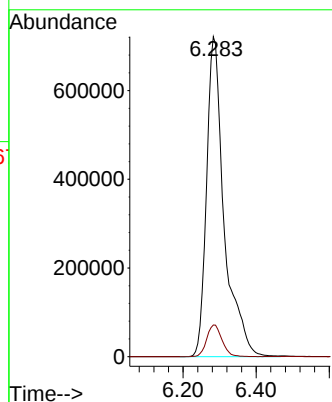
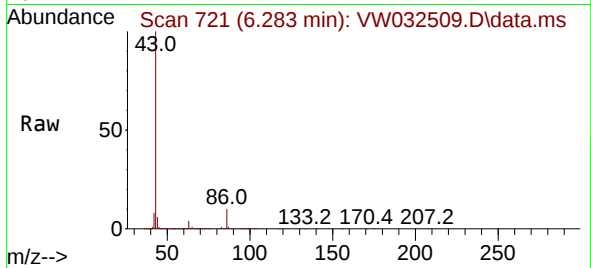




#23
 Vinyl Acetate
 Concen: 245.198 ug/l
 RT: 6.283 min Scan# 721
 Delta R.T. 0.000 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

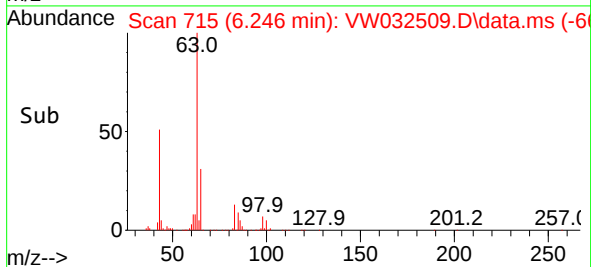
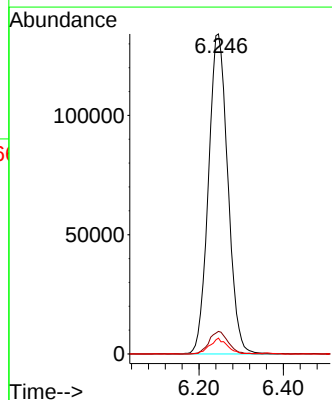
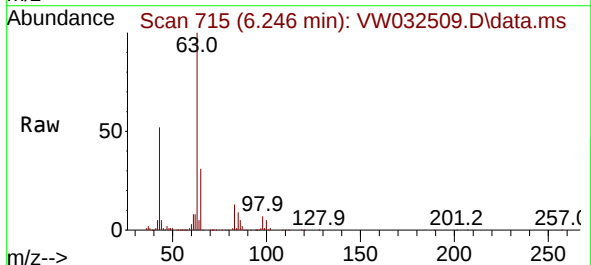
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

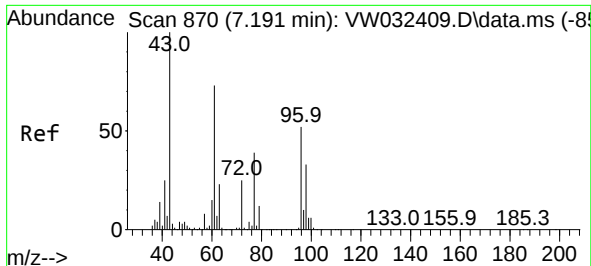
Tgt Ion: 43 Resp: 2403464
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 54.601 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

Tgt Ion: 63 Resp: 427987
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.6 10.8
 100 5.0 2.3 6.8

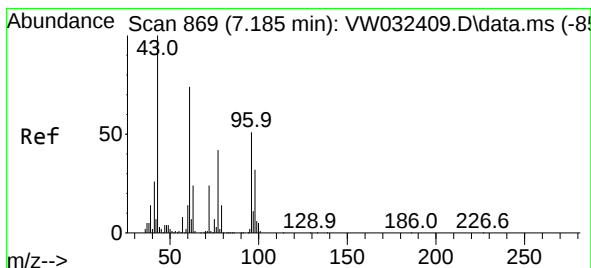
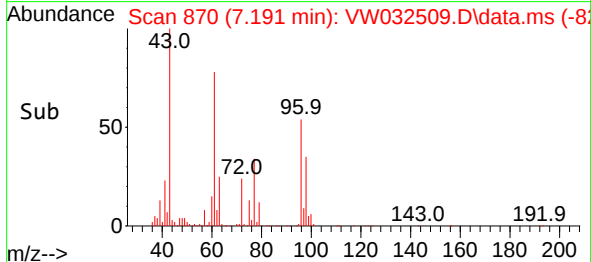
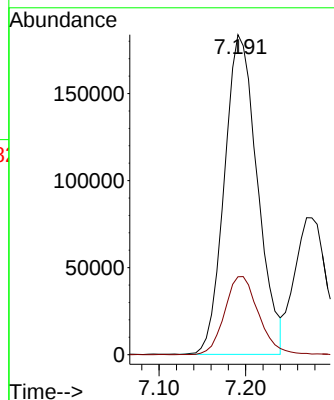
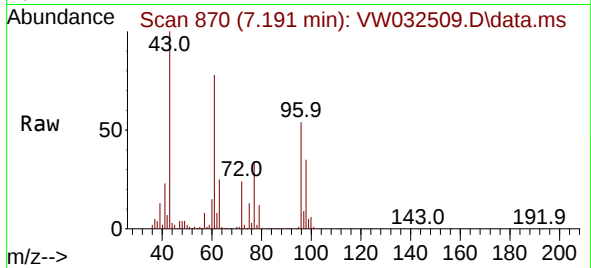




#25
2-Butanone
Concen: 251.945 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

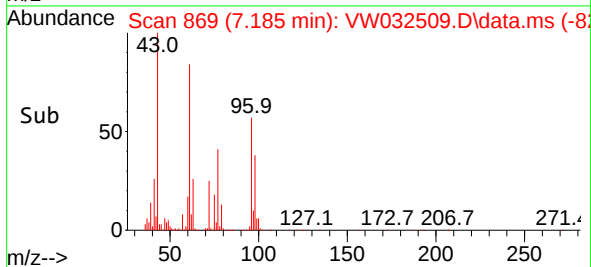
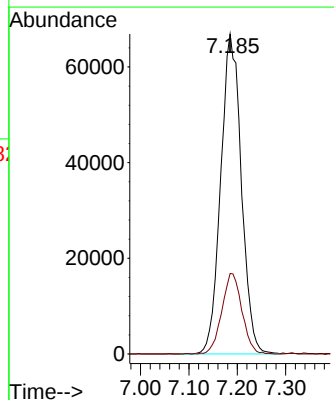
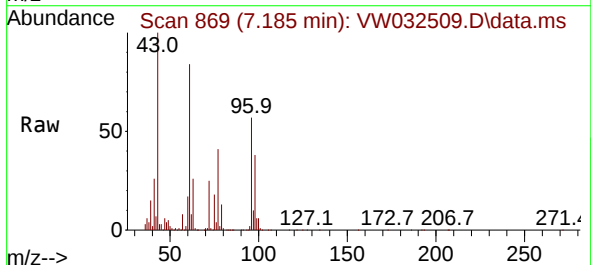
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

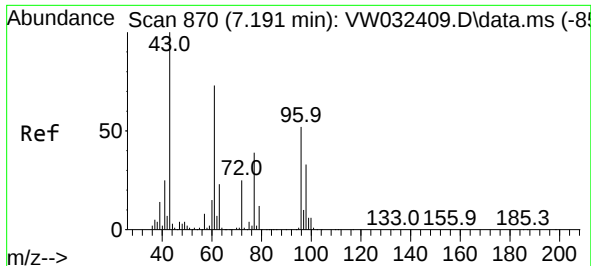
Tgt Ion: 43 Resp: 486700
Ion Ratio Lower Upper
43 100
72 24.3 20.0 30.0



#26
2,2-Dichloropropane
Concen: 45.306 ug/l
RT: 7.185 min Scan# 869
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 77 Resp: 197919
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 53.620 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

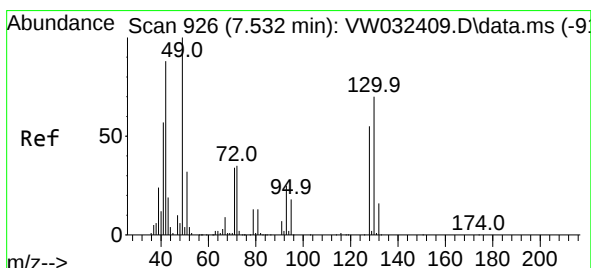
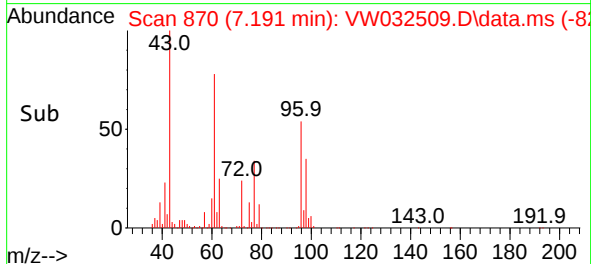
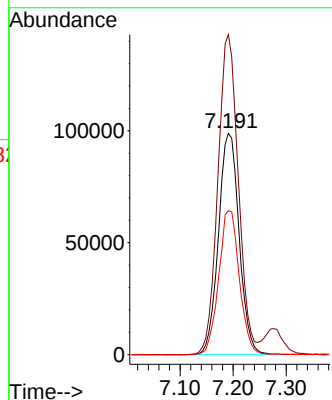
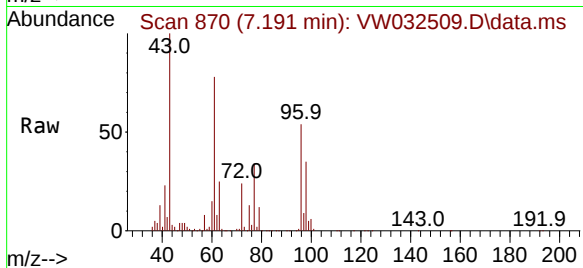
Tgt Ion: 96 Resp: 267692

Ion Ratio Lower Upper

96 100

61 143.3 0.0 282.6

98 65.0 0.0 128.6



#28

Bromochloromethane

Concen: 55.239 ug/l

RT: 7.532 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

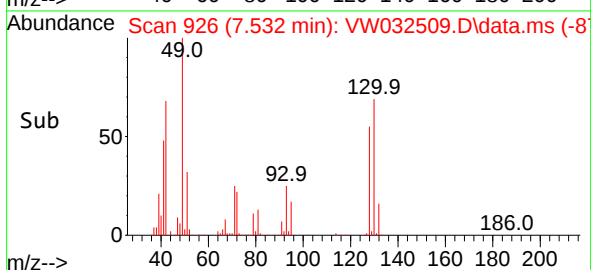
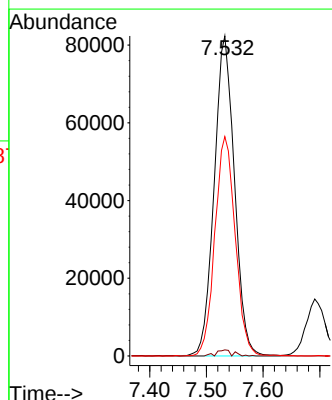
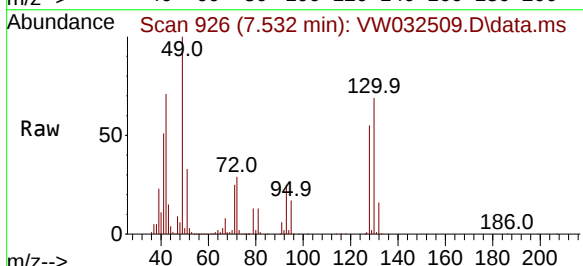
Tgt Ion: 49 Resp: 204646

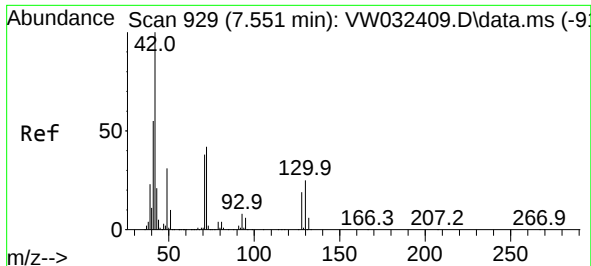
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

130 68.9 56.9 85.3





#29

Tetrahydrofuran

Concen: 269.979 ug/l

RT: 7.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

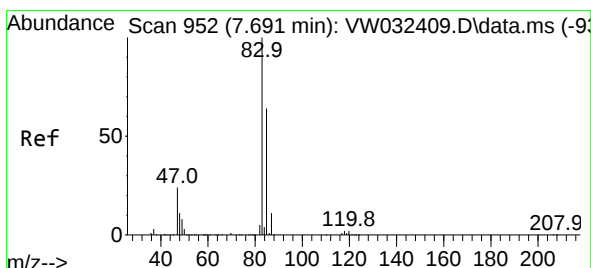
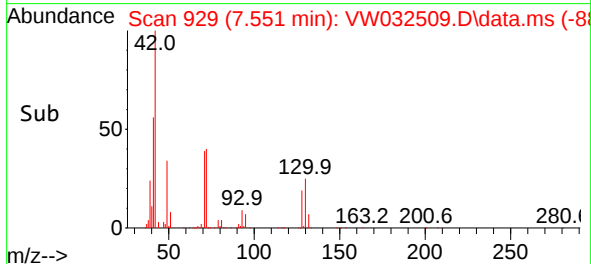
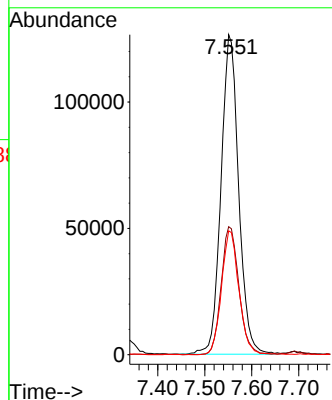
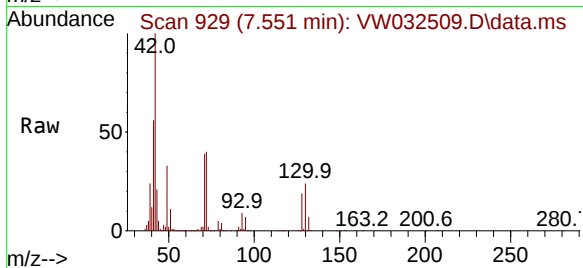
Tgt Ion: 42 Resp: 331023

Ion Ratio Lower Upper

42 100

72 40.2 33.6 50.4

71 38.3 31.4 47.0



#30

Chloroform

Concen: 56.196 ug/l

RT: 7.697 min Scan# 953

Delta R.T. 0.006 min

Lab File: VW032509.D

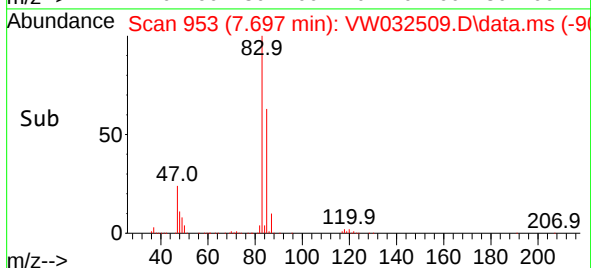
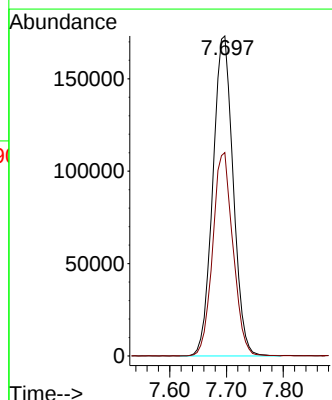
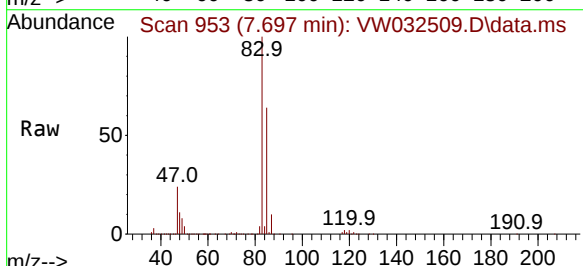
Acq: 19 Nov 2025 17:37

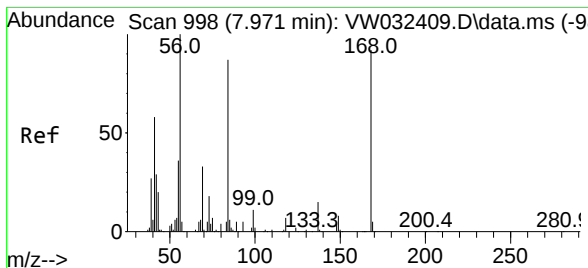
Tgt Ion: 83 Resp: 431222

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.4

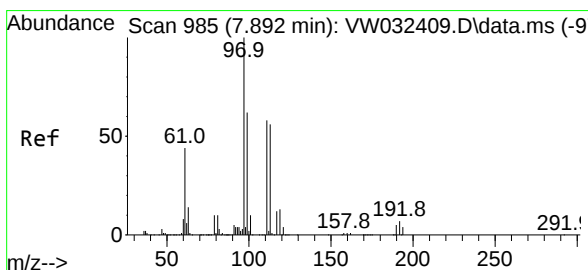
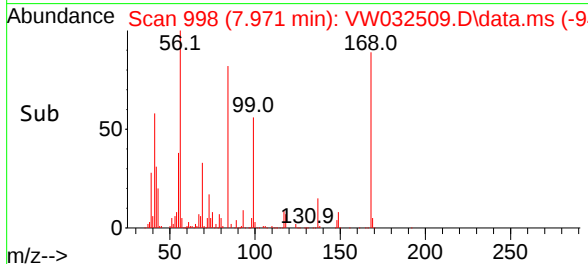
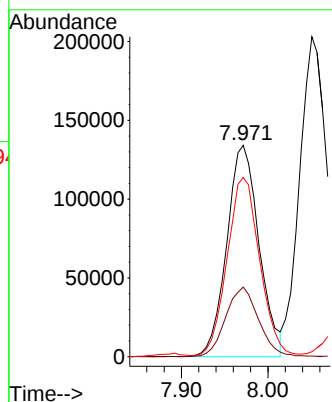
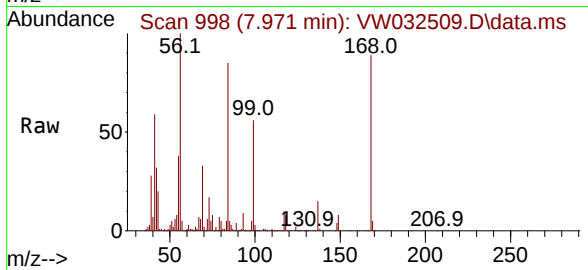




#31
Cyclohexane
Concen: 47.950 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

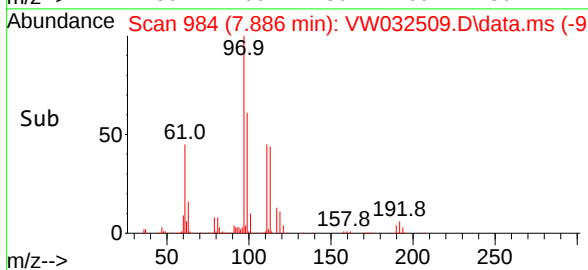
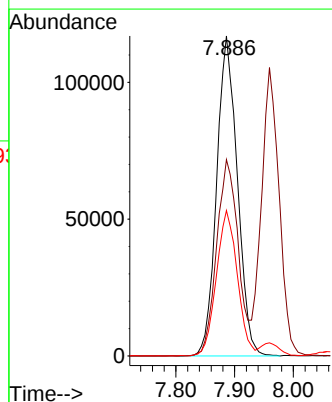
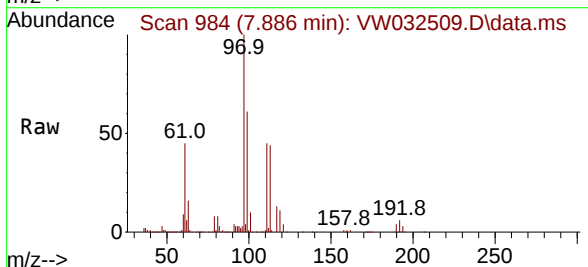
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

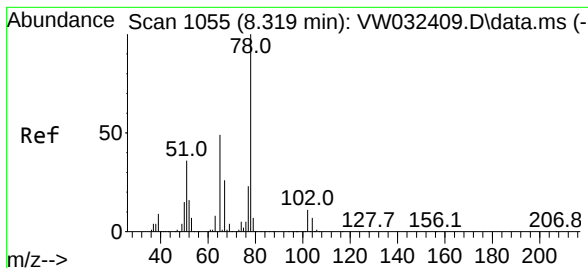
Tgt Ion: 56 Resp: 347674
Ion Ratio Lower Upper
56 100
69 32.9 26.5 39.7
84 83.8 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 52.173 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 97 Resp: 285997
Ion Ratio Lower Upper
97 100
99 63.2 51.8 77.8
61 46.2 35.5 53.3

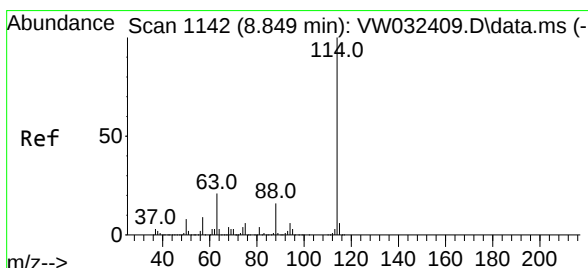
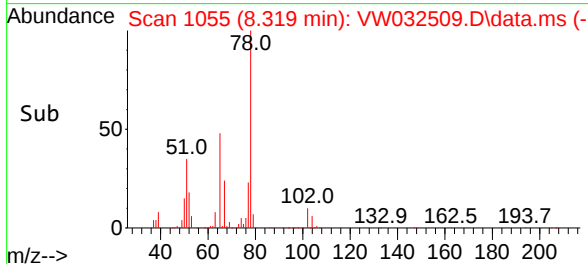
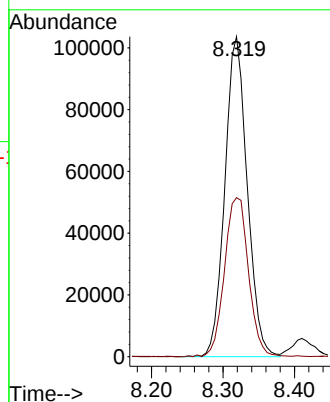
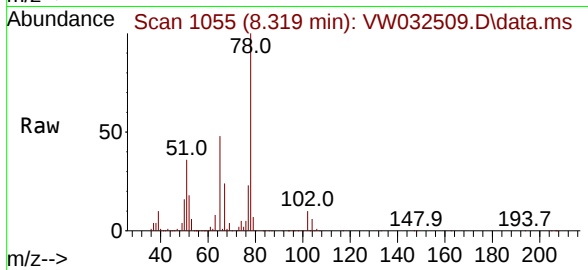




#33
 1,2-Dichloroethane-d4
 Concen: 51.383 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

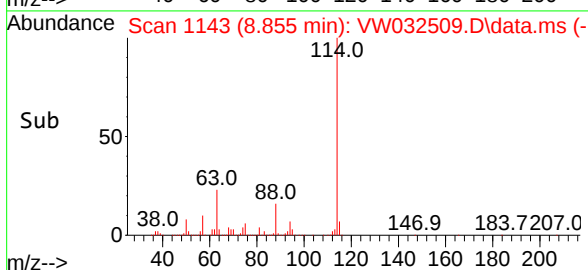
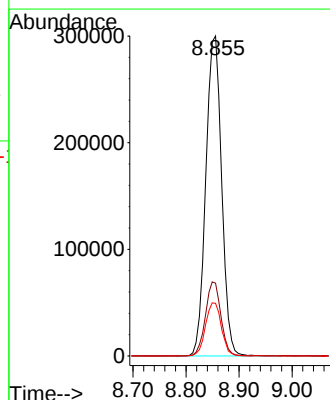
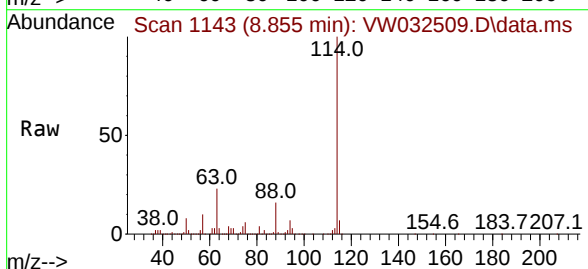
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

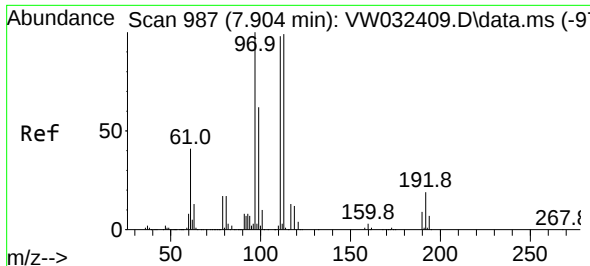
Tgt Ion: 65 Resp: 225203
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

Tgt Ion: 114 Resp: 621310
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 41.8
 88 16.5 0.0 32.6

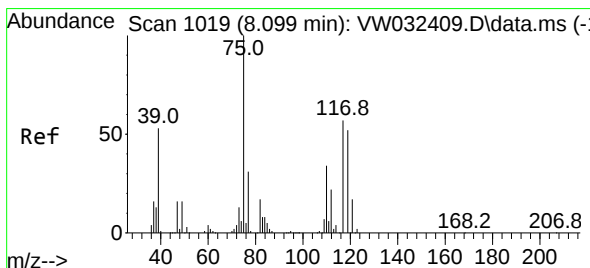
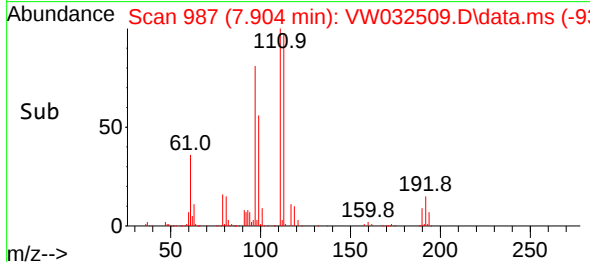
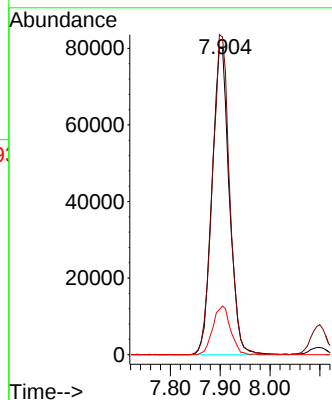
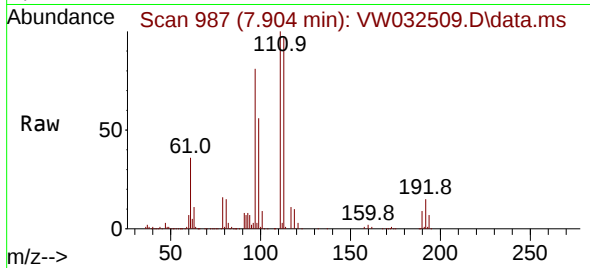




#35
Dibromofluoromethane
Concen: 51.876 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

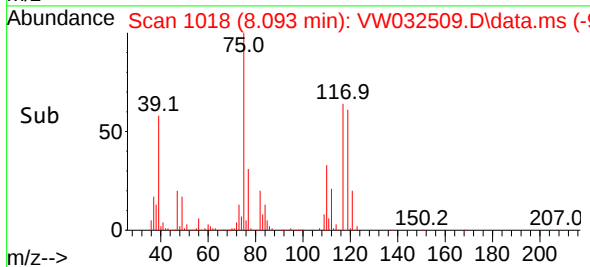
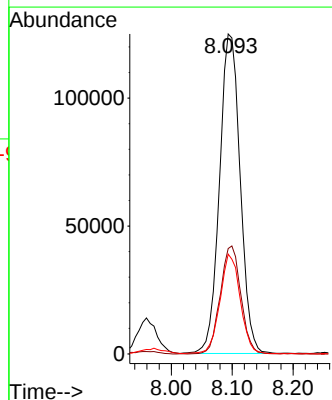
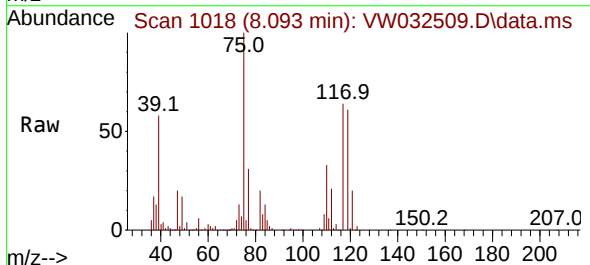
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

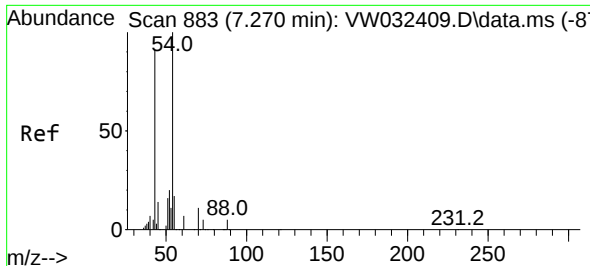
Tgt Ion:113 Resp: 192976
Ion Ratio Lower Upper
113 100
111 103.1 83.1 124.7
192 16.2 13.4 20.2



#36
1,1-Dichloropropene
Concen: 53.692 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 75 Resp: 294282
Ion Ratio Lower Upper
75 100
110 33.7 17.2 51.5
77 30.5 24.5 36.7

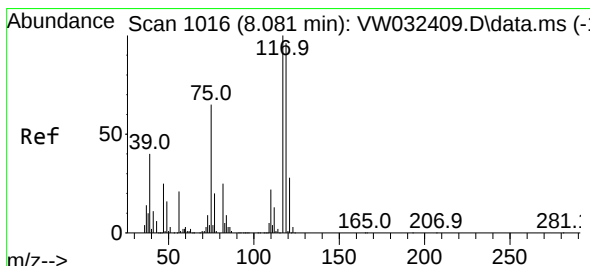
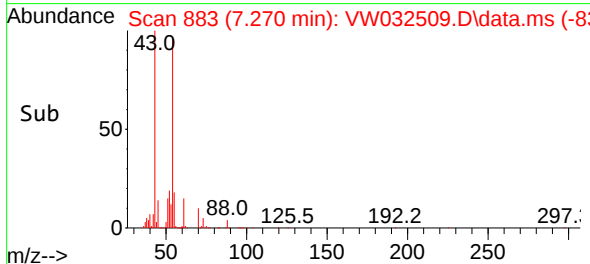
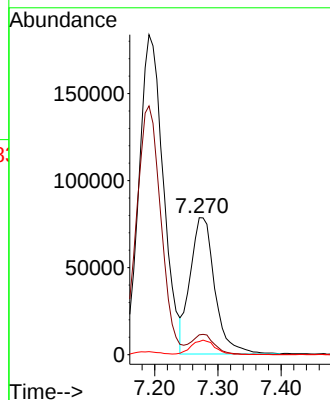
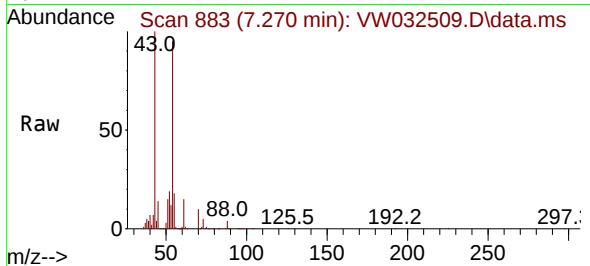




#37
Ethyl Acetate
Concen: 51.952 ug/l
RT: 7.270 min Scan# 883
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

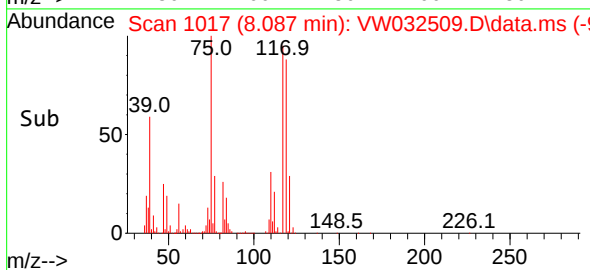
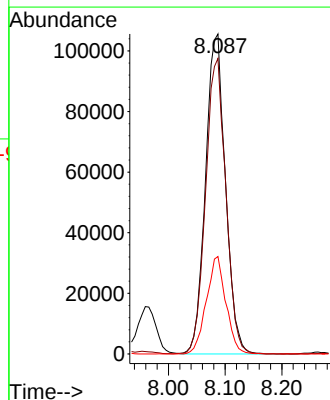
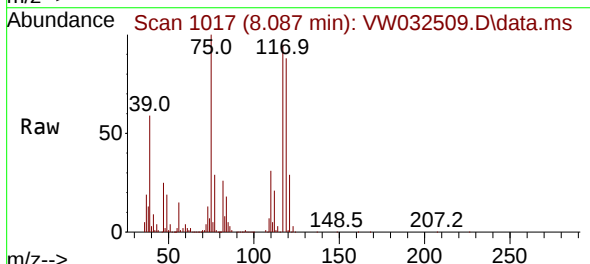
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

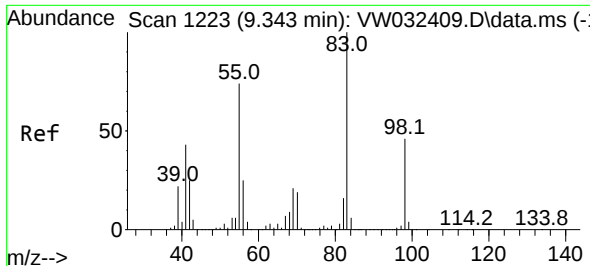
Tgt Ion: 43 Resp: 211738
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.6
70 10.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 52.922 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 117 Resp: 257733
Ion Ratio Lower Upper
117 100
119 92.3 77.0 115.4
121 30.5 22.0 33.0





#39

Methylcyclohexane

Concen: 49.892 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

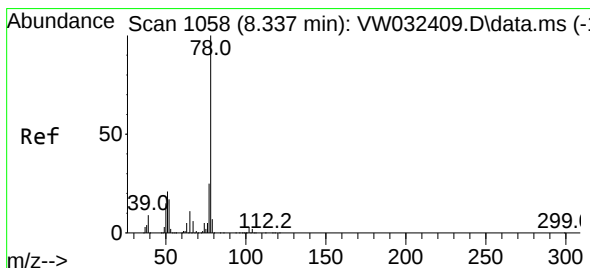
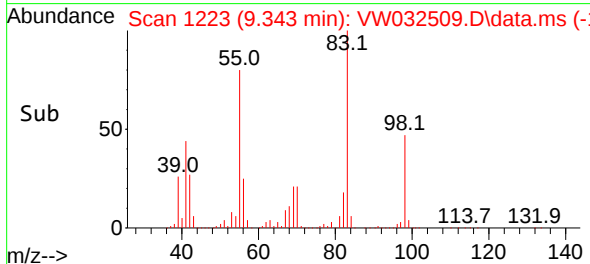
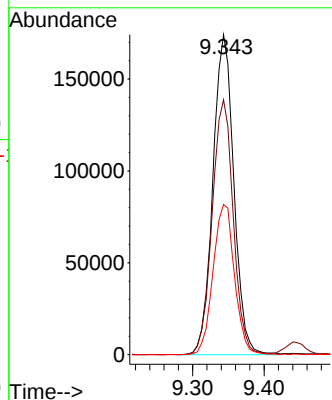
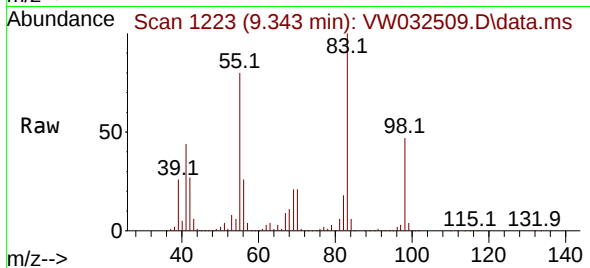
Tgt Ion: 83 Resp: 354249

Ion Ratio Lower Upper

83 100

55 79.6 59.2 88.8

98 46.9 36.6 54.8



#40

Benzene

Concen: 54.146 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW032509.D

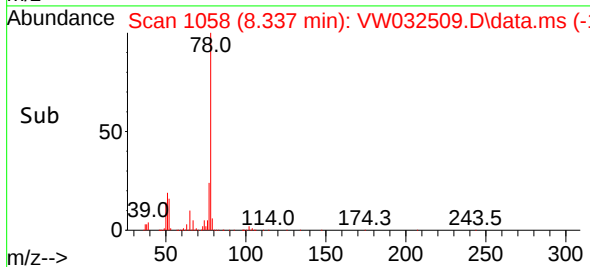
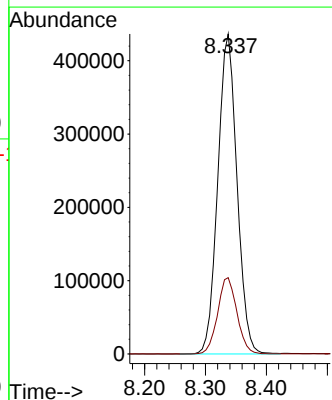
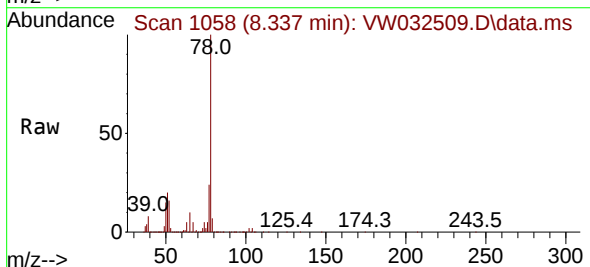
Acq: 19 Nov 2025 17:37

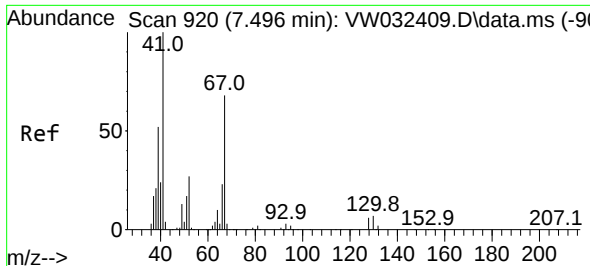
Tgt Ion: 78 Resp: 955714

Ion Ratio Lower Upper

78 100

77 23.8 19.6 29.4



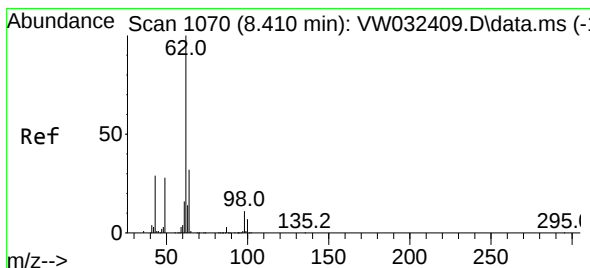
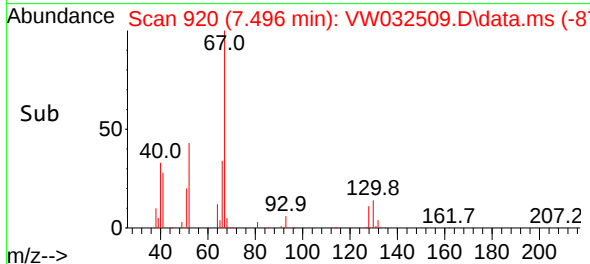
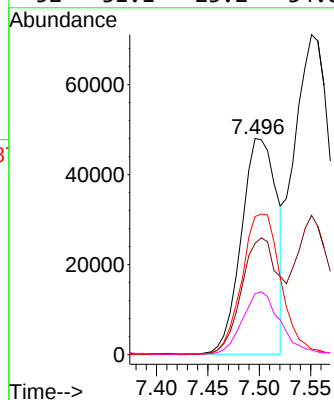
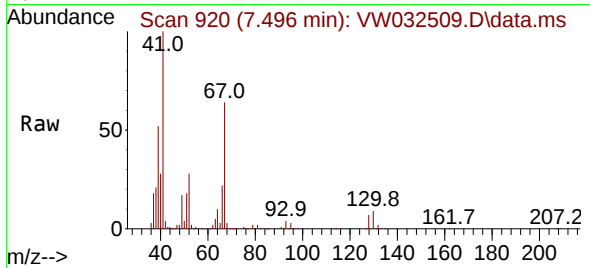


#41
Methacrylonitrile
Concen: 51.459 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 115210

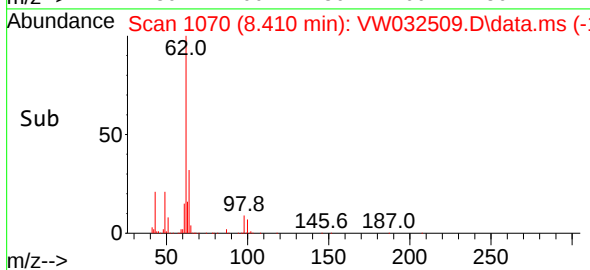
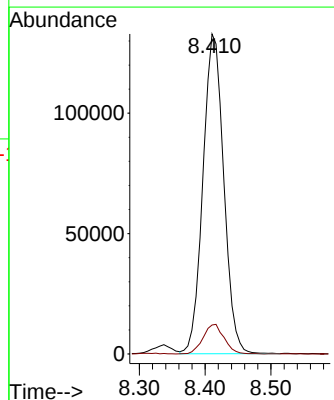
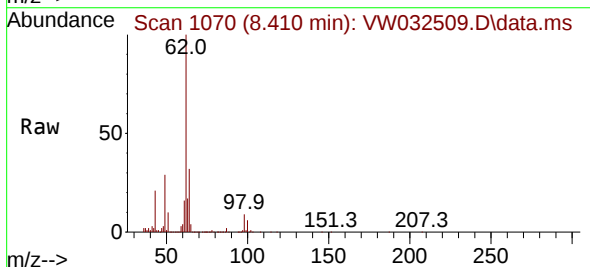
Ion	Ratio	Lower	Upper
41	100		
39	58.1	44.6	66.8
67	72.4	57.6	86.4
52	31.1	23.2	34.8

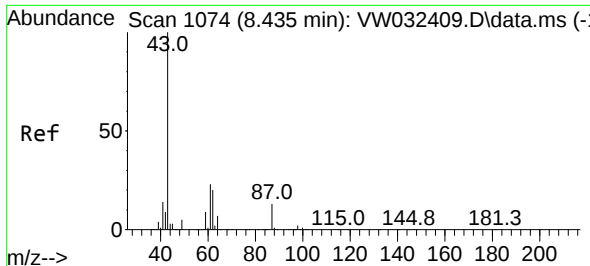


#42
1,2-Dichloroethane
Concen: 56.391 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 62 Resp: 292362

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.2

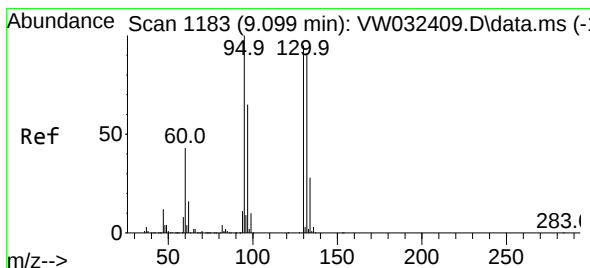
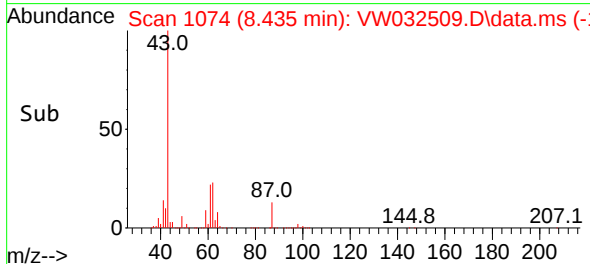
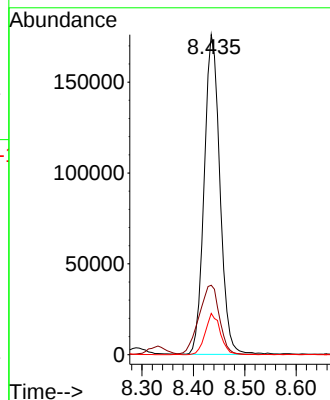
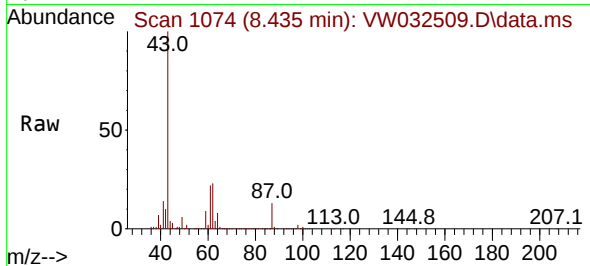




#43
Isopropyl Acetate
Concen: 51.655 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

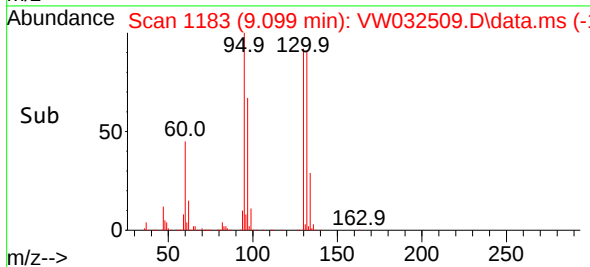
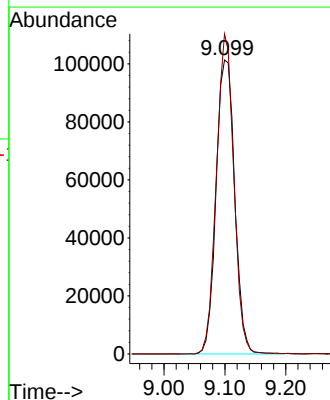
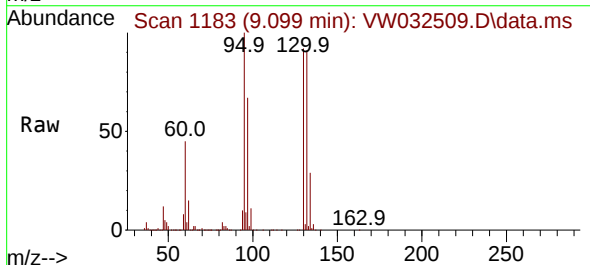
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

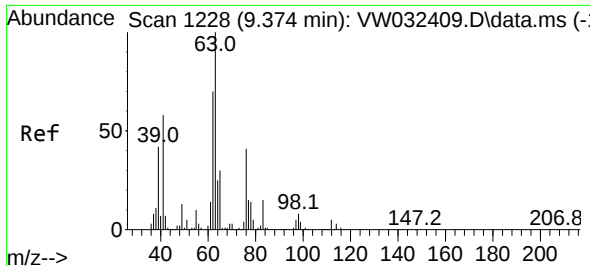
Tgt Ion: 43 Resp: 372774
Ion Ratio Lower Upper
43 100
61 27.9 22.6 33.8
87 12.5 10.6 15.8



#44
Trichloroethene
Concen: 52.421 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion:130 Resp: 215303
Ion Ratio Lower Upper
130 100
95 108.9 0.0 209.6

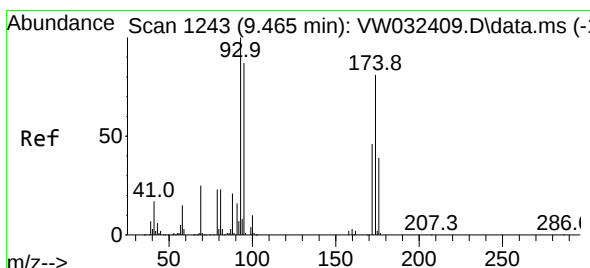
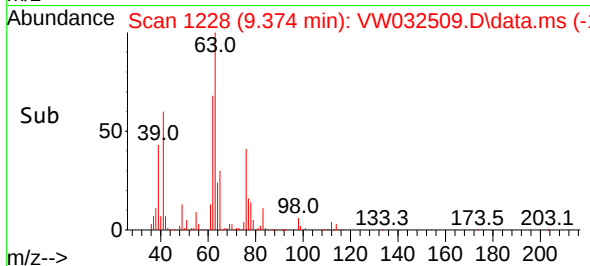
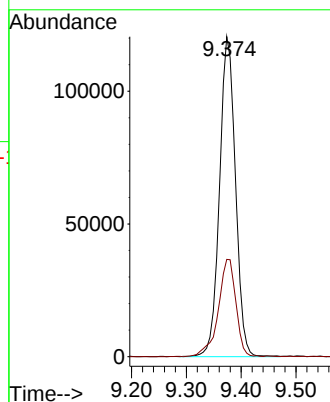
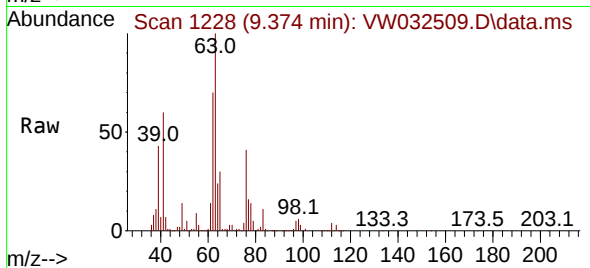




#45
1,2-Dichloropropane
Concen: 55.491 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

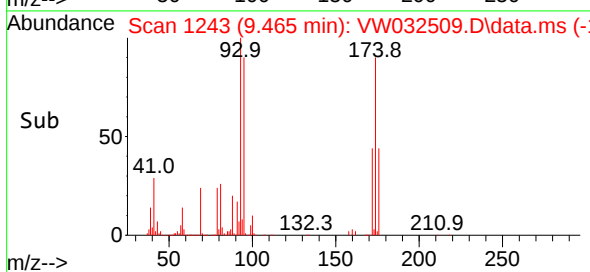
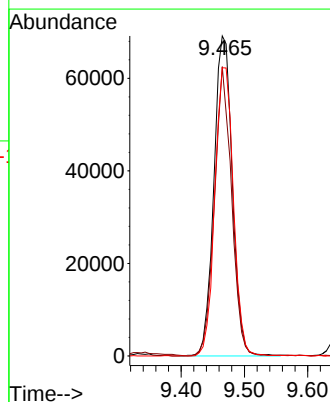
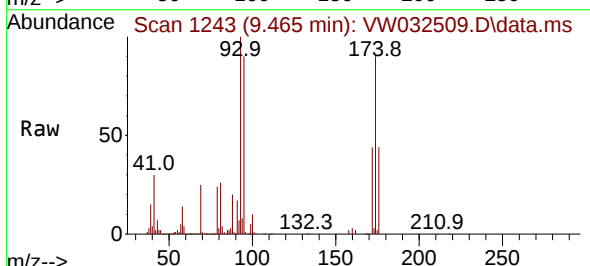
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

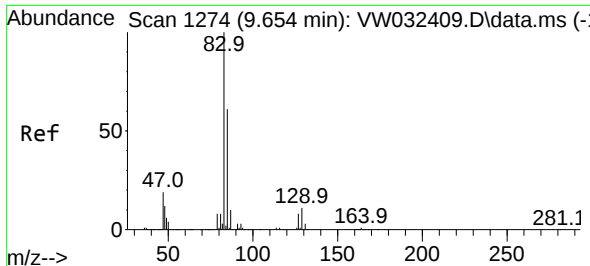
Tgt Ion: 63 Resp: 243883
Ion Ratio Lower Upper
63 100
65 30.3 24.4 36.6



#46
Dibromomethane
Concen: 54.393 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 93 Resp: 139698
Ion Ratio Lower Upper
93 100
95 84.1 67.1 100.7
174 90.6 68.2 102.4

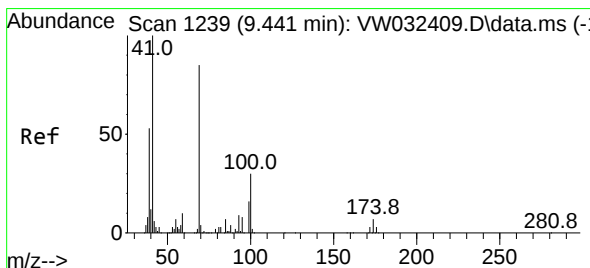
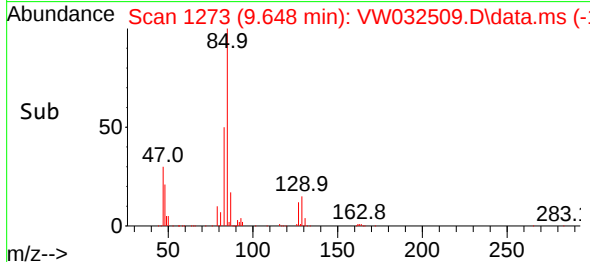
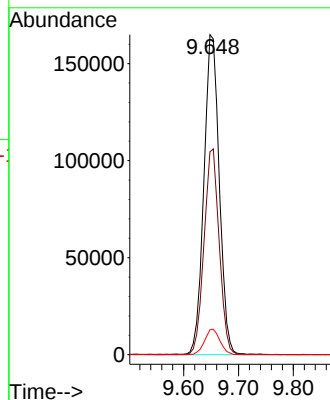
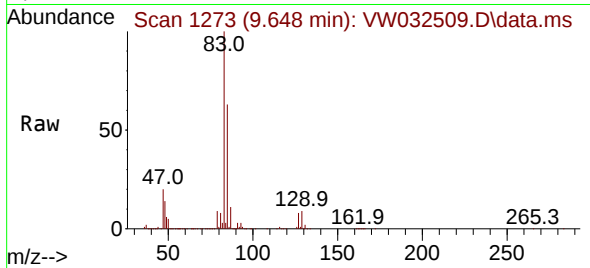




#47
 Bromodichloromethane
 Concen: 54.840 ug/l
 RT: 9.648 min Scan# 1273
 Delta R.T. -0.006 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

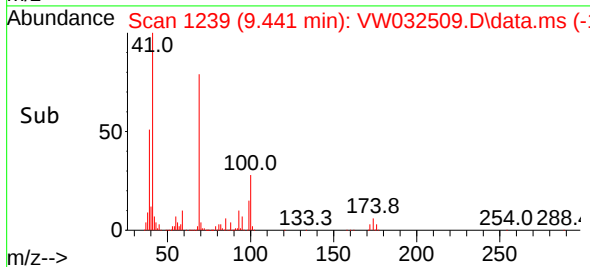
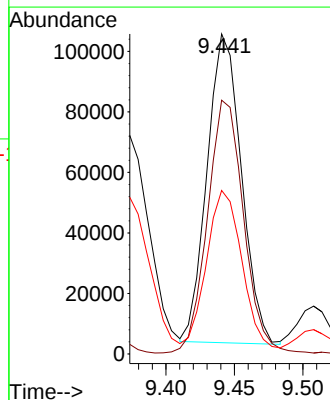
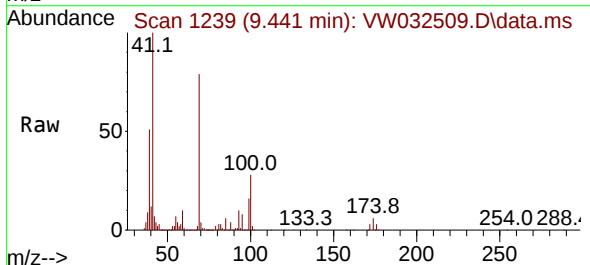
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

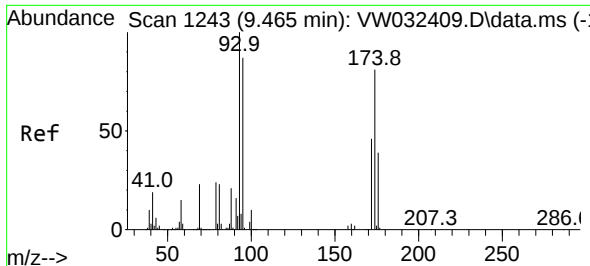
Tgt Ion: 83 Resp: 321281
 Ion Ratio Lower Upper
 83 100
 85 63.3 48.7 73.1
 127 7.8 6.3 9.5



#48
 Methyl methacrylate
 Concen: 51.728 ug/l
 RT: 9.441 min Scan# 1239
 Delta R.T. 0.000 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

Tgt Ion: 41 Resp: 177389
 Ion Ratio Lower Upper
 41 100
 69 86.8 65.8 98.6
 39 51.7 38.6 57.8

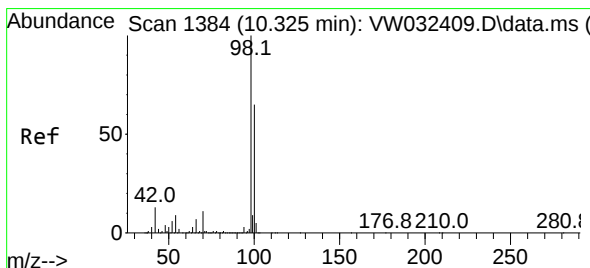
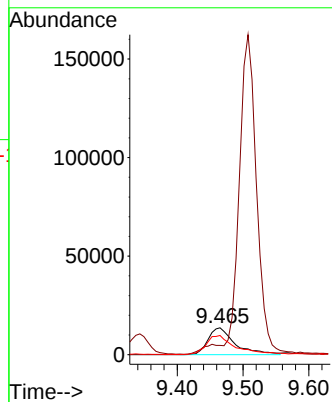
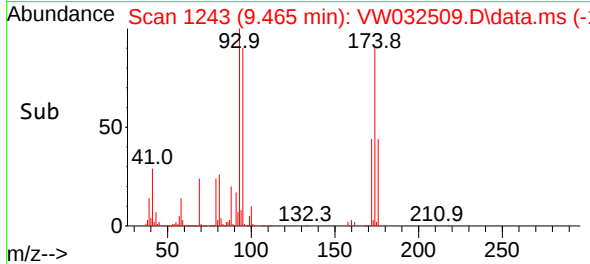
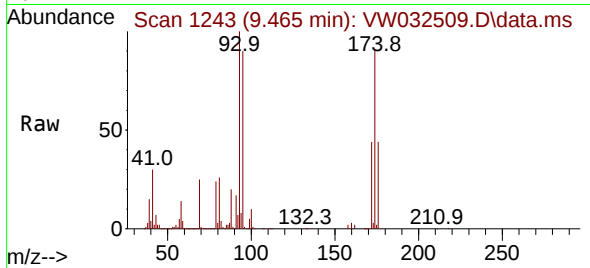




#49
1,4-Dioxane
Concen: 1079.135 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

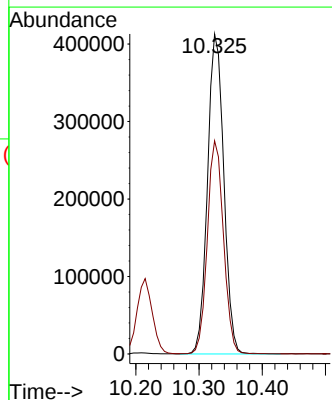
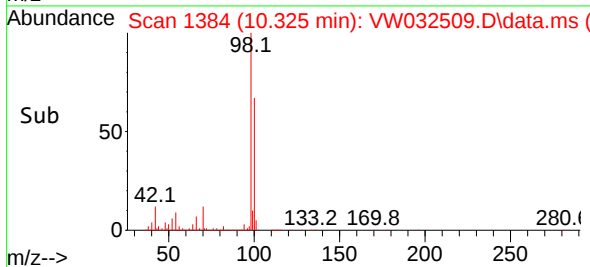
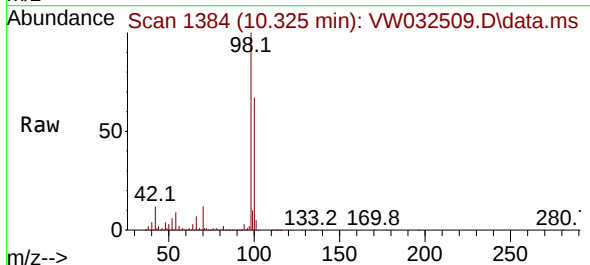
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

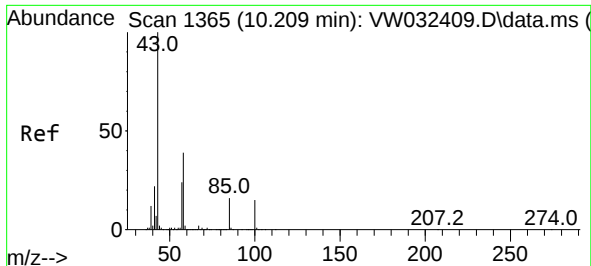
Tgt Ion: 88 Resp: 38826
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 77.1 63.0 94.4



#50
Toluene-d8
Concen: 51.838 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 98 Resp: 739777
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9

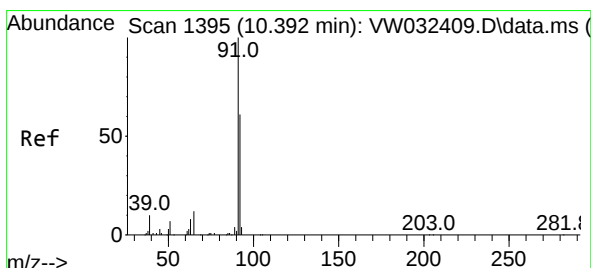
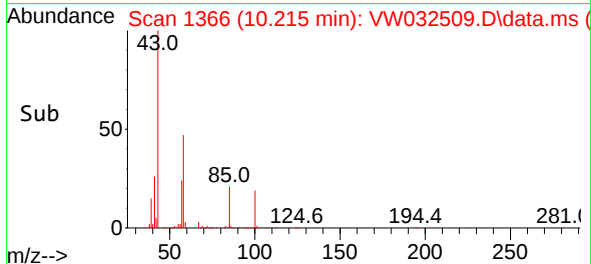
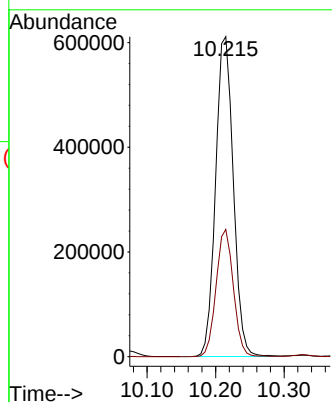
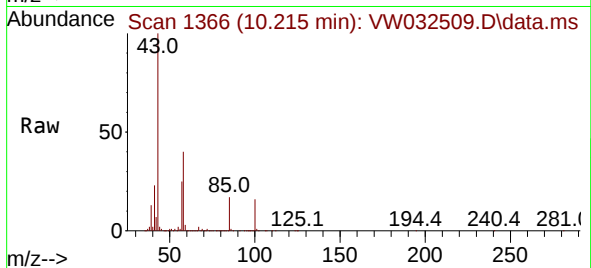




#51
4-Methyl-2-Pentanone
Concen: 274.388 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

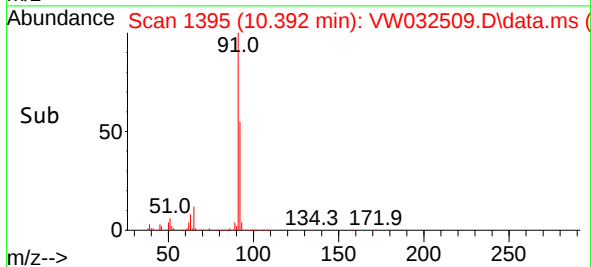
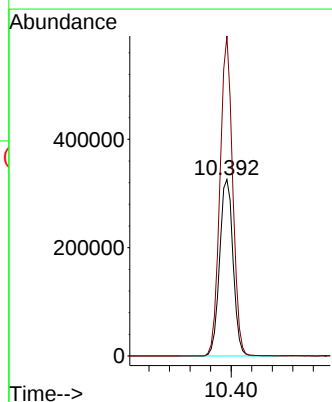
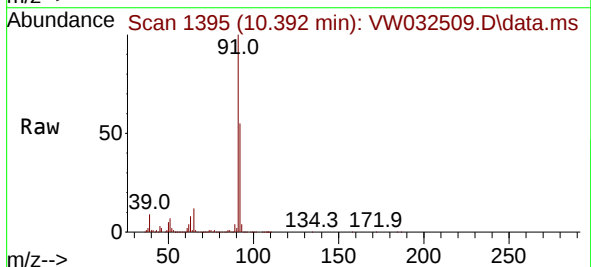
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

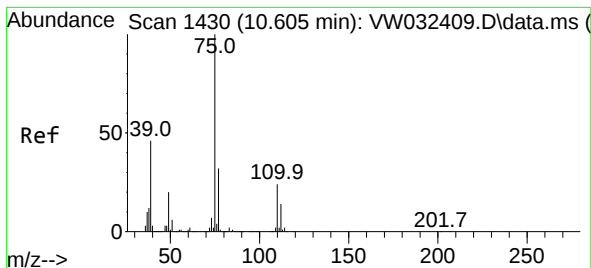
Tgt Ion: 43 Resp: 1094680
Ion Ratio Lower Upper
43 100
58 38.9 31.4 47.2



#52
Toluene
Concen: 54.085 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 92 Resp: 589658
Ion Ratio Lower Upper
92 100
91 171.4 136.6 205.0

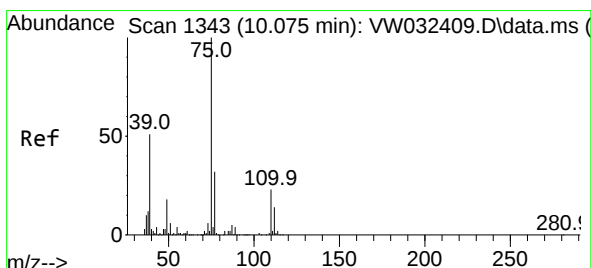
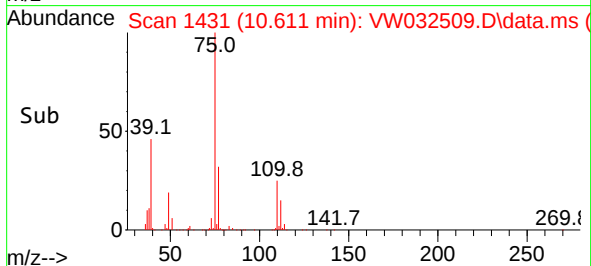
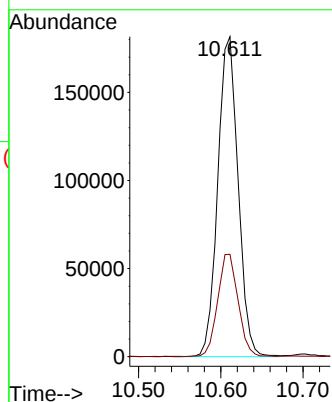
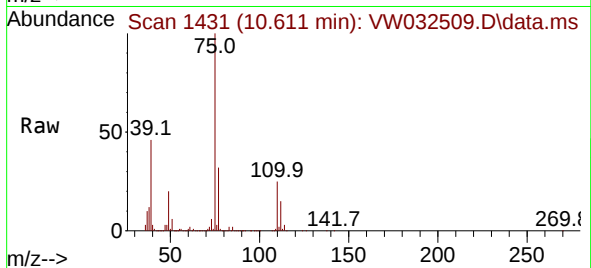




#53
 t-1,3-Dichloropropene
 Concen: 51.736 ug/l
 RT: 10.611 min Scan# 1431
 Delta R.T. 0.006 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

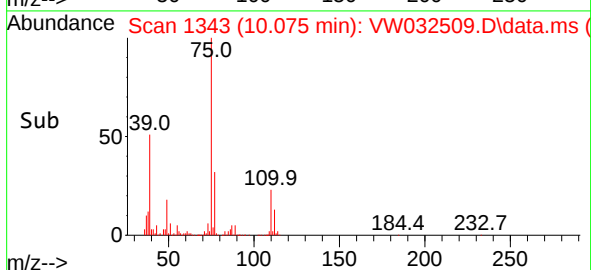
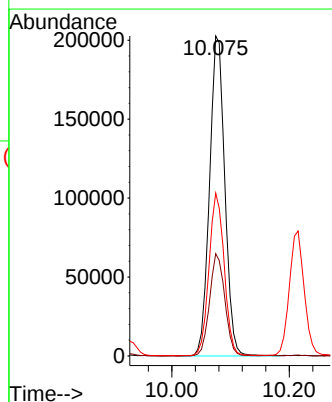
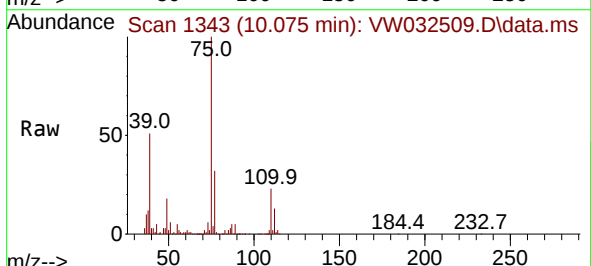
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

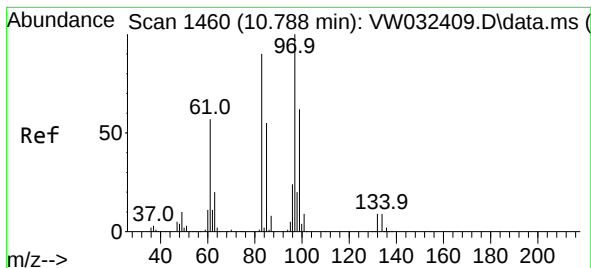
Tgt Ion: 75 Resp: 312153
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.506 ug/l
 RT: 10.075 min Scan# 1343
 Delta R.T. 0.000 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

Tgt Ion: 75 Resp: 366355
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 50.8 40.7 61.1

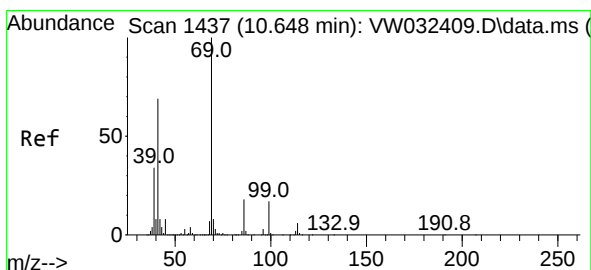
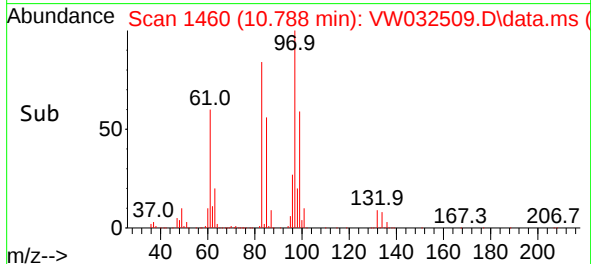
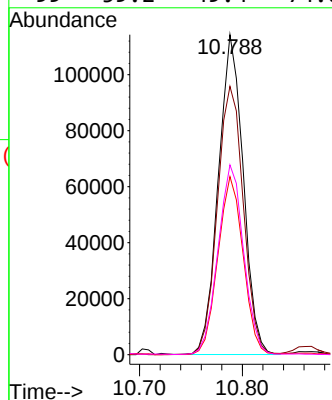
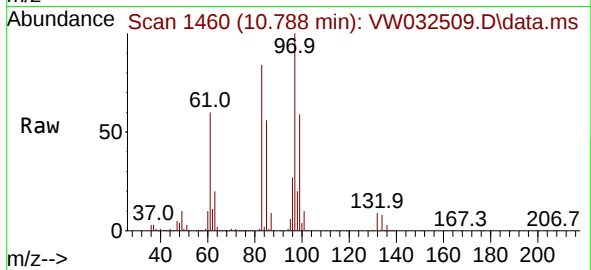




#55
1,1,2-Trichloroethane
Concen: 54.410 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

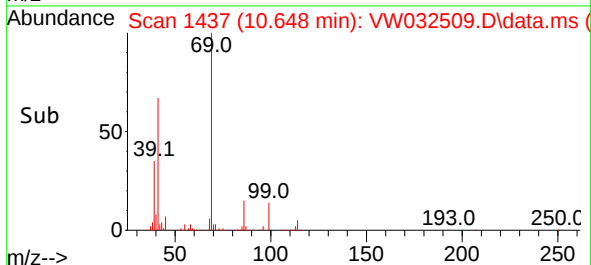
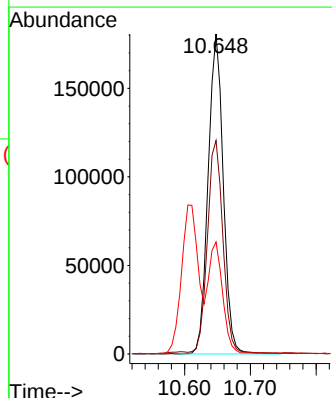
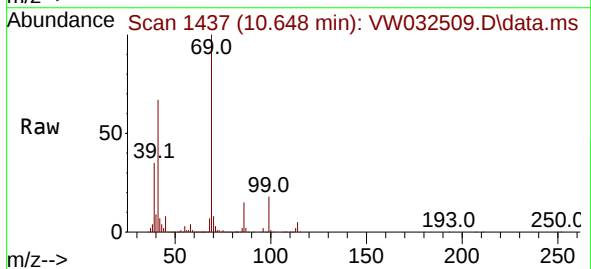
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

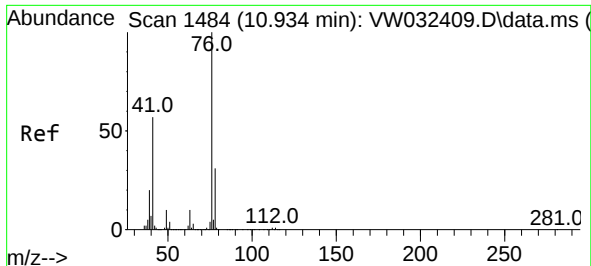
Tgt Ion:	97	Resp:	191701
Ion	Ratio	Lower	Upper
97	100		
83	83.8	72.2	108.4
85	55.6	43.8	65.8
99	59.2	49.4	74.0



#56
Ethyl methacrylate
Concen: 53.626 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion:	69	Resp:	289898
Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.4	81.6
39	32.2	25.4	38.0





#57

1,3-Dichloropropane

Concen: 54.638 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

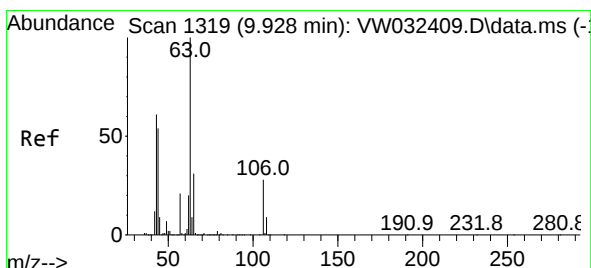
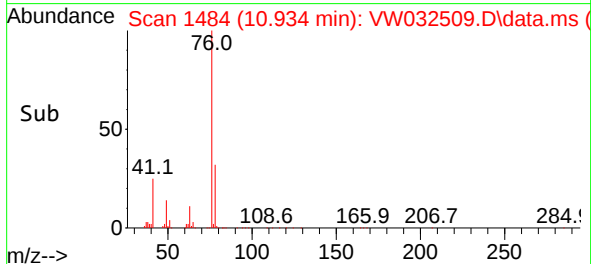
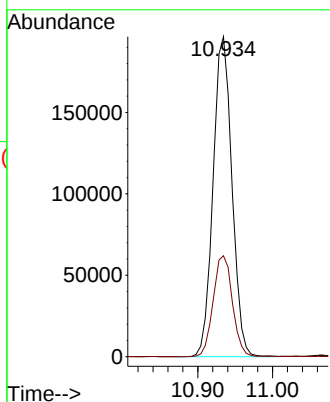
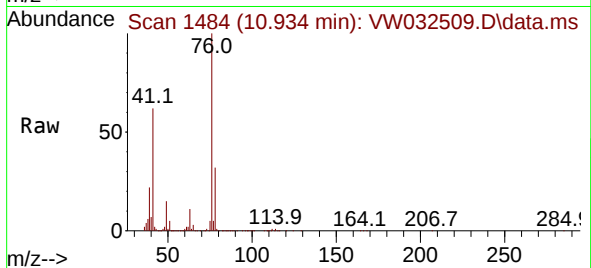
VSTDCCC050EC

Tgt Ion: 76 Resp: 343821

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 284.322 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032509.D

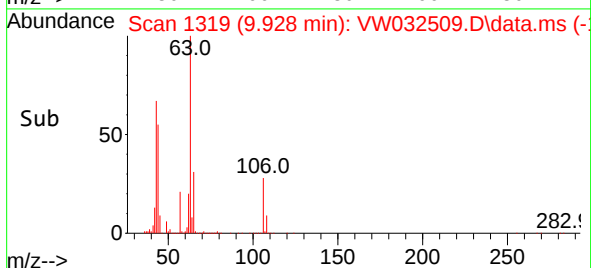
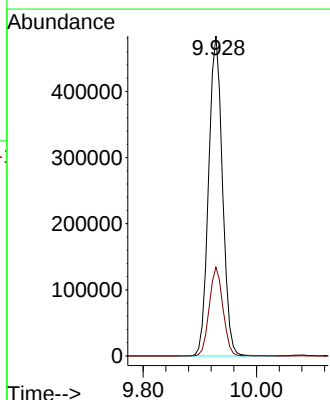
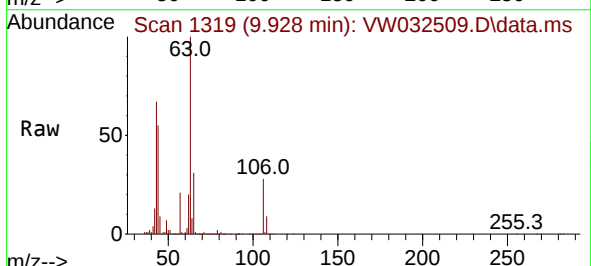
Acq: 19 Nov 2025 17:37

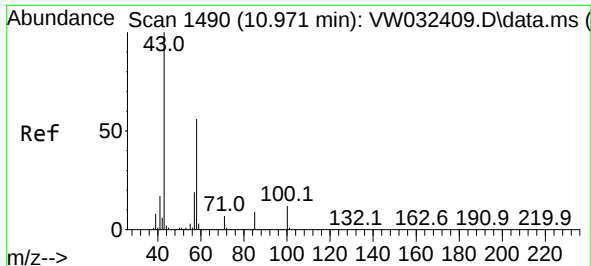
Tgt Ion: 63 Resp: 818540

Ion Ratio Lower Upper

63 100

106 27.4 22.0 33.0

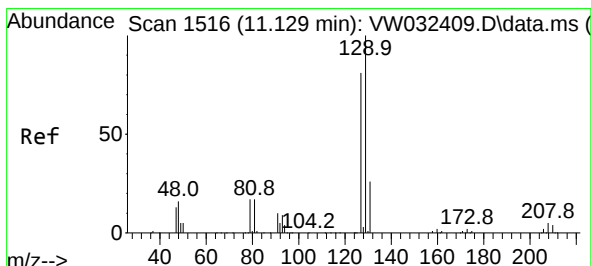
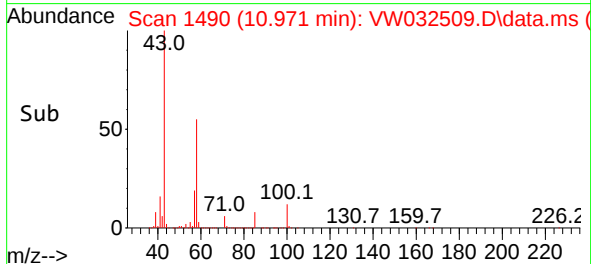
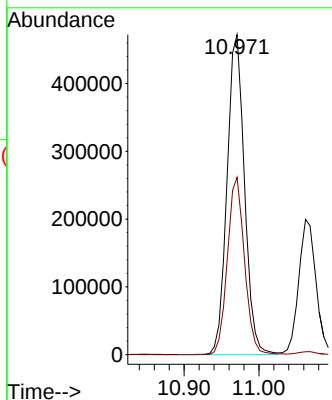
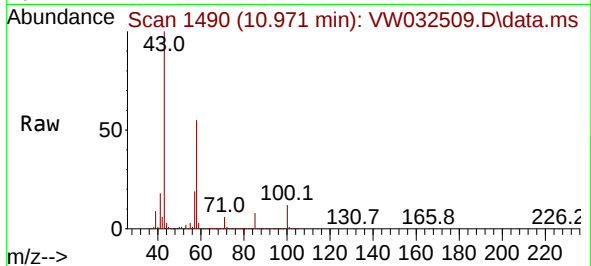




#59
2-Hexanone
Concen: 262.079 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

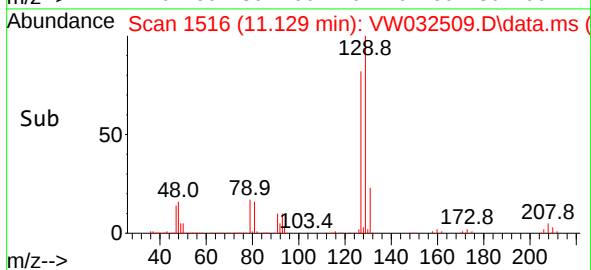
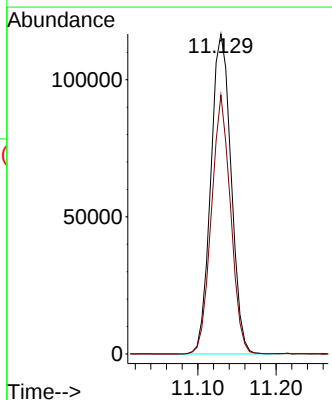
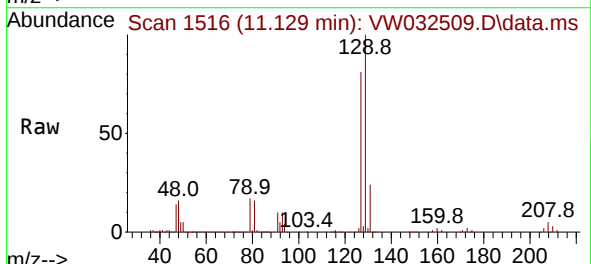
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

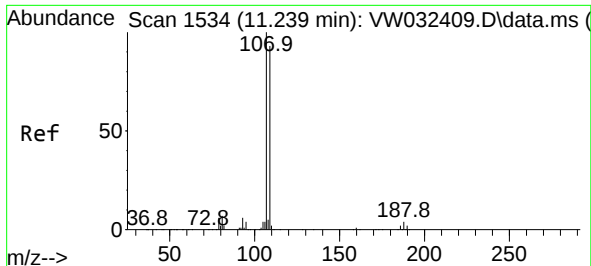
Tgt Ion: 43 Resp: 764977
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.2



#60
Dibromochloromethane
Concen: 53.465 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion:129 Resp: 210361
Ion Ratio Lower Upper
129 100
127 76.3 39.2 117.6

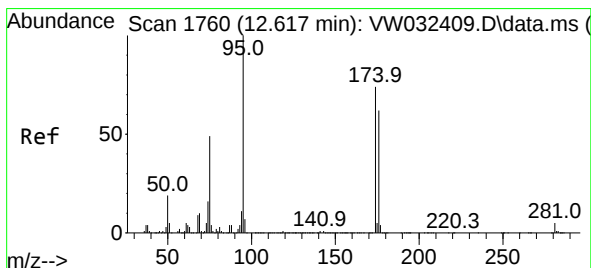
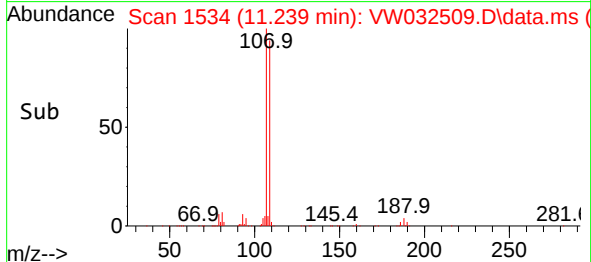
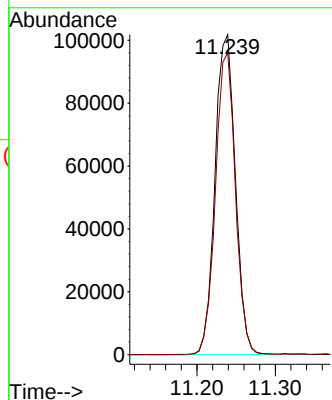
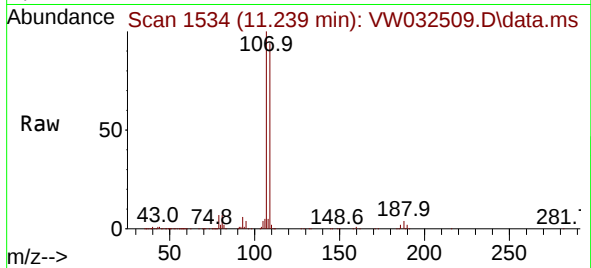




#61
1,2-Dibromoethane
Concen: 53.604 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

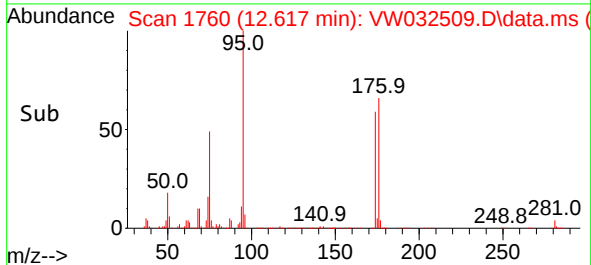
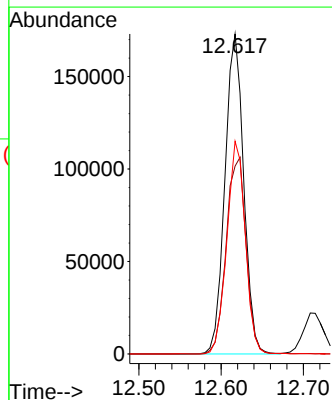
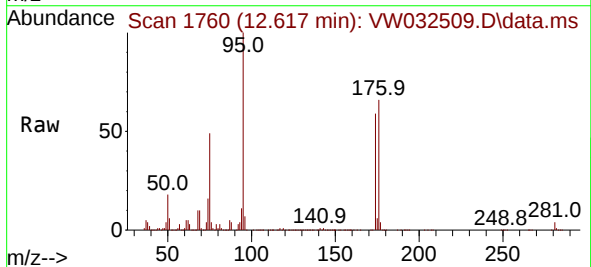
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

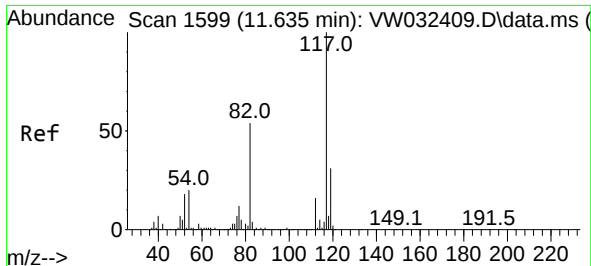
Tgt Ion:107 Resp: 183947
Ion Ratio Lower Upper
107 100
109 92.8 76.3 114.5



#62
4-Bromofluorobenzene
Concen: 51.003 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 95 Resp: 274954
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.4
176 65.3 0.0 131.8

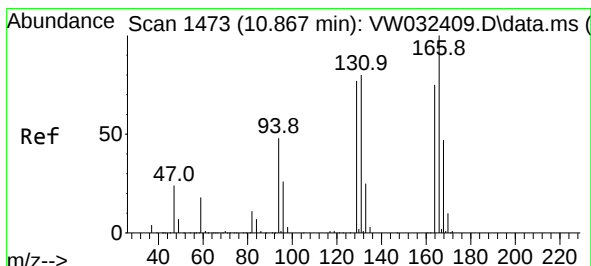
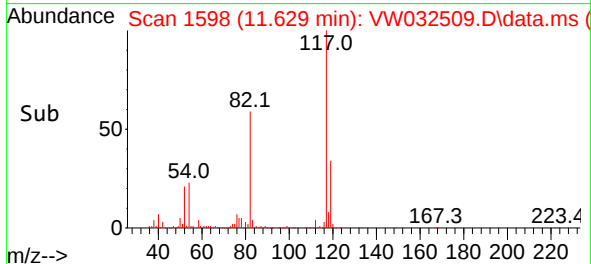
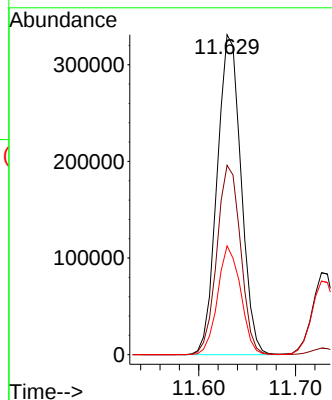
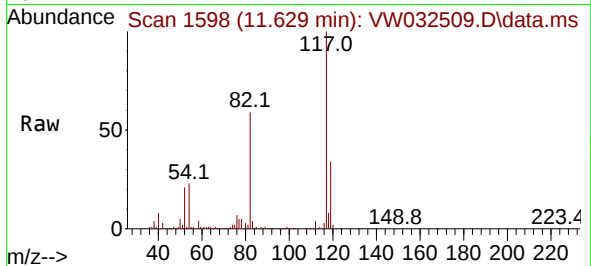




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

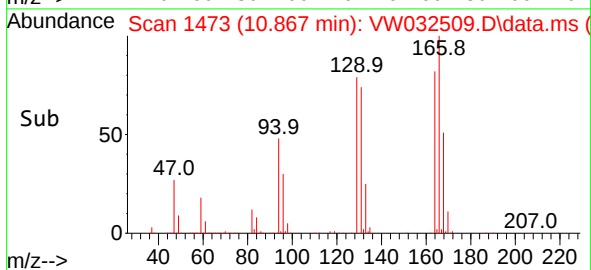
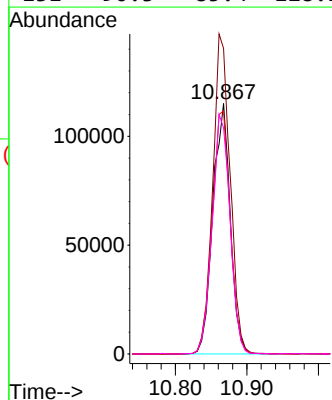
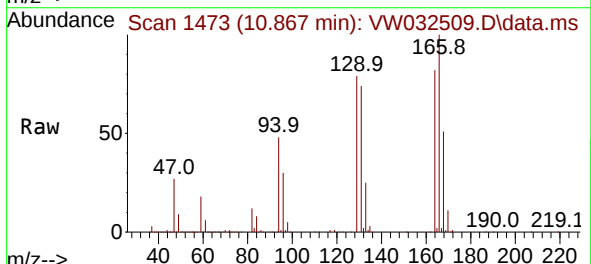
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

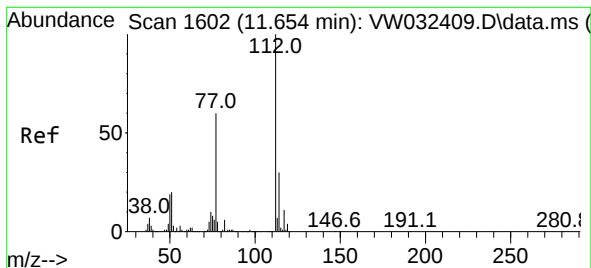
Tgt Ion:117 Resp: 569383
Ion Ratio Lower Upper
117 100
82 59.1 43.0 64.4
119 34.0 25.0 37.6



#64
Tetrachloroethene
Concen: 57.843 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion:164 Resp: 195033
Ion Ratio Lower Upper
164 100
166 122.1 107.0 160.4
129 97.0 82.9 124.3
131 90.3 85.4 128.2





#65

Chlorobenzene

Concen: 53.700 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

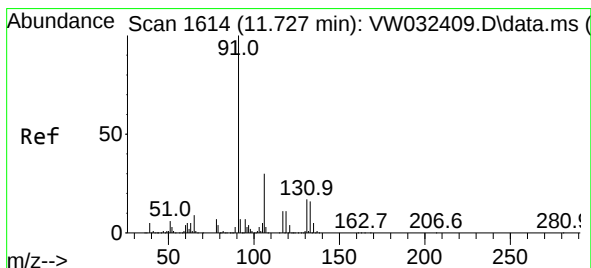
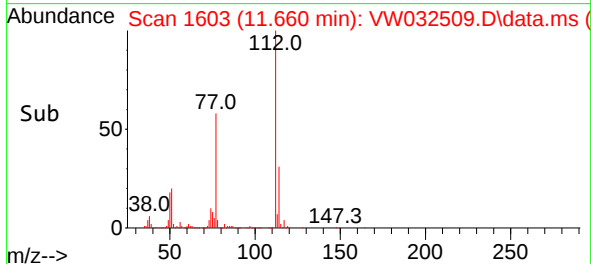
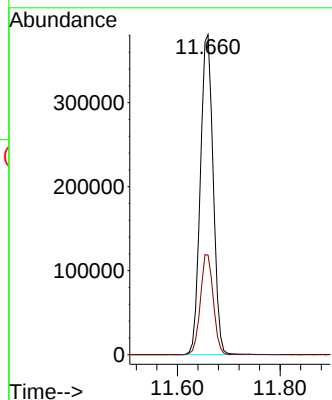
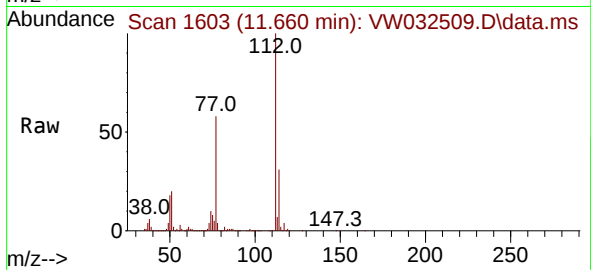
VSTDCCC050EC

Tgt Ion:112 Resp: 659010

Ion Ratio Lower Upper

112 100

114 31.1 24.4 36.6



#66

1,1,1,2-Tetrachloroethane

Concen: 54.216 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

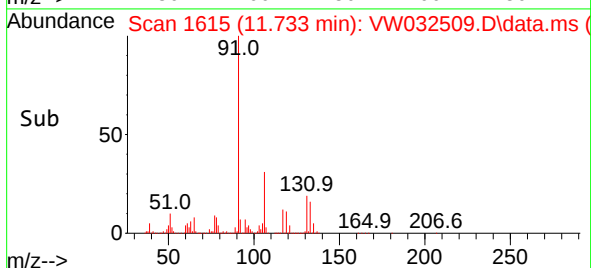
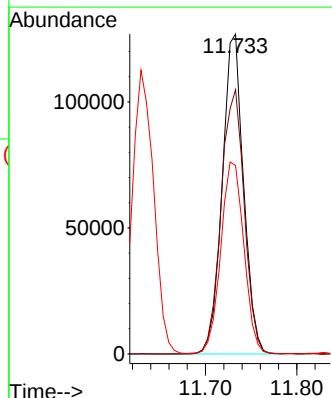
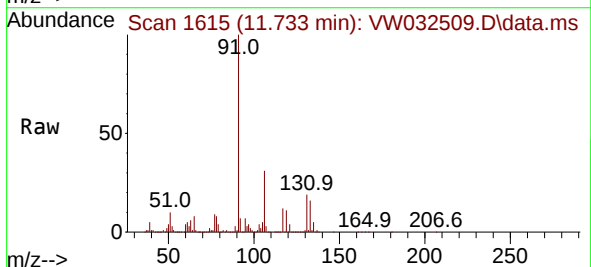
Tgt Ion:131 Resp: 205912

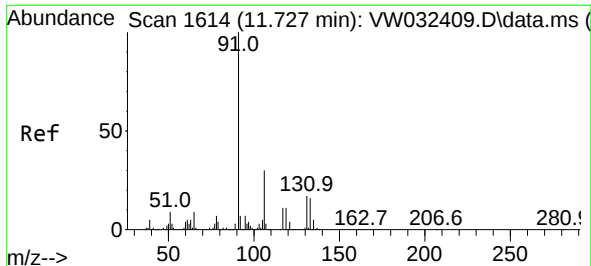
Ion Ratio Lower Upper

131 100

133 89.7 46.9 140.6

119 65.3 33.4 100.2





#67

Ethyl Benzene

Concen: 52.257 ug/l

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

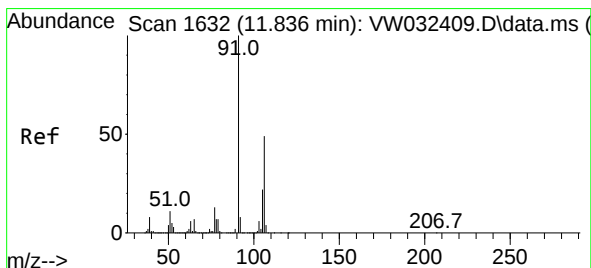
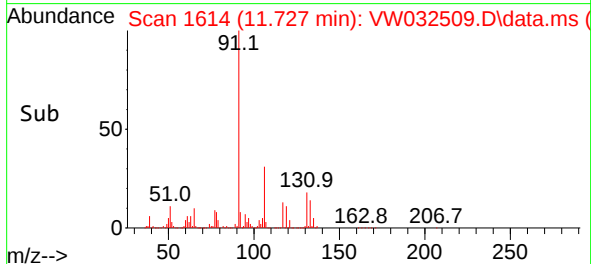
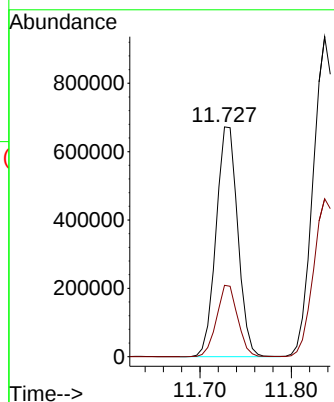
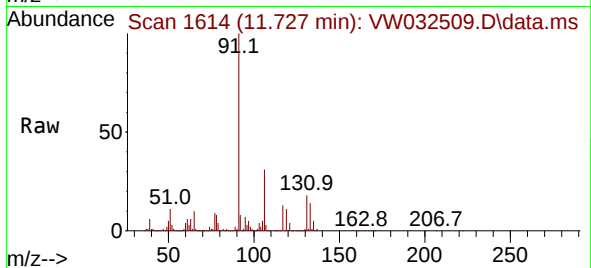
VSTDCCC050EC

Tgt Ion: 91 Resp: 1109658

Ion Ratio Lower Upper

91 100

106 31.1 24.2 36.2



#68

m/p-Xylenes

Concen: 106.751 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032509.D

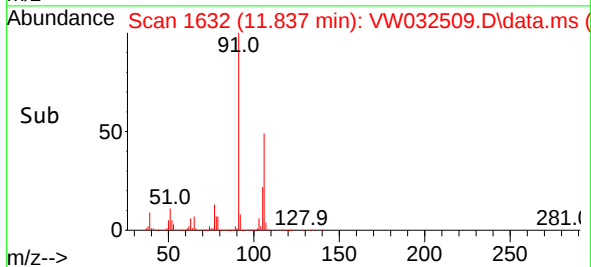
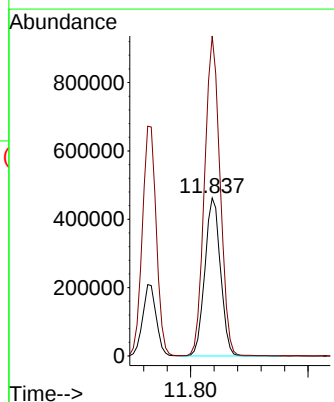
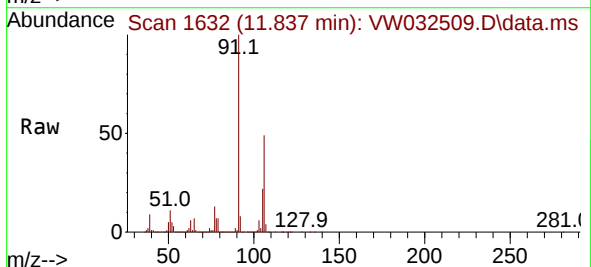
Acq: 19 Nov 2025 17:37

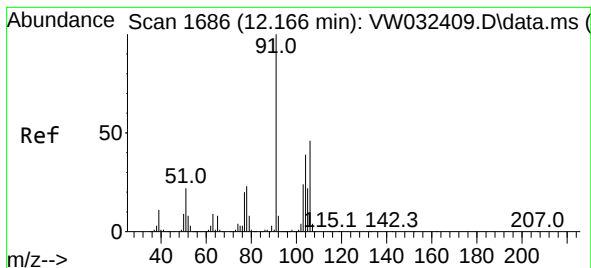
Tgt Ion:106 Resp: 851093

Ion Ratio Lower Upper

106 100

91 201.0 165.5 248.3

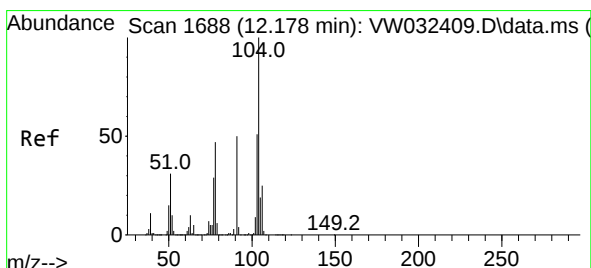
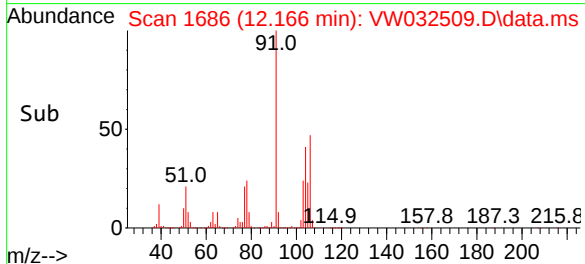
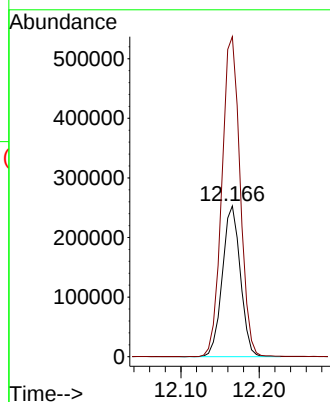
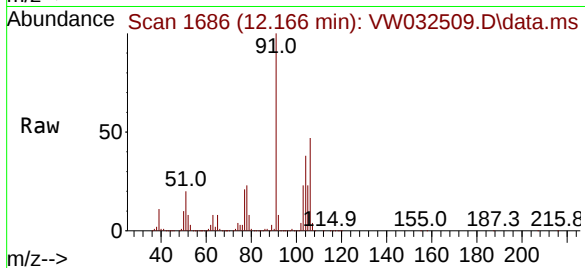




#69
o-Xylene
Concen: 52.841 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

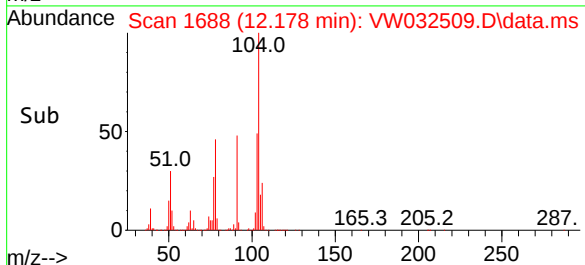
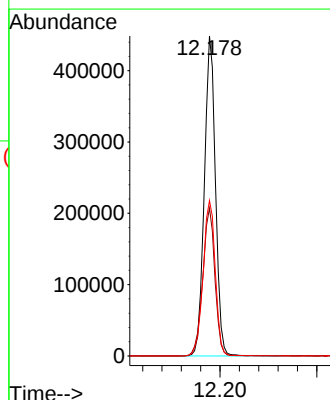
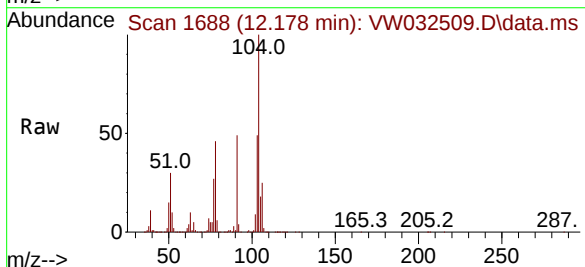
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

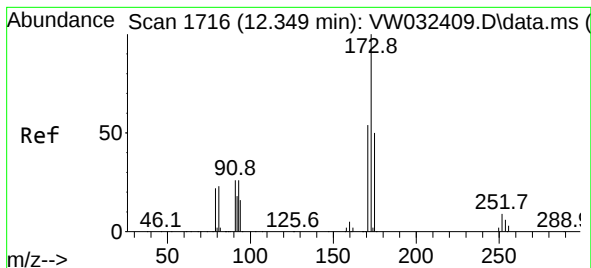
Tgt Ion:106 Resp: 403383
Ion Ratio Lower Upper
106 100
91 215.6 109.3 327.8



#70
Styrene
Concen: 54.669 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion:104 Resp: 717919
Ion Ratio Lower Upper
104 100
78 50.2 40.7 61.1
103 53.3 43.9 65.9





#71

Bromoform

Concen: 49.010 ug/l

RT: 12.349 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

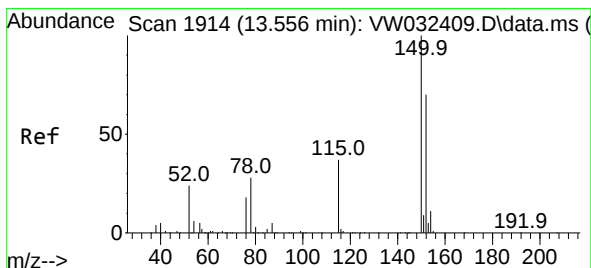
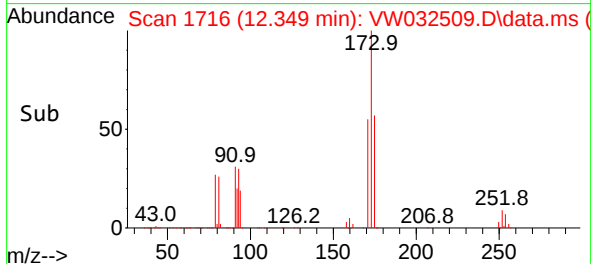
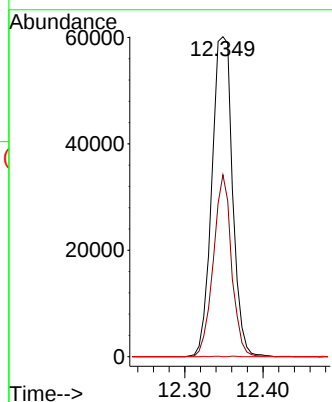
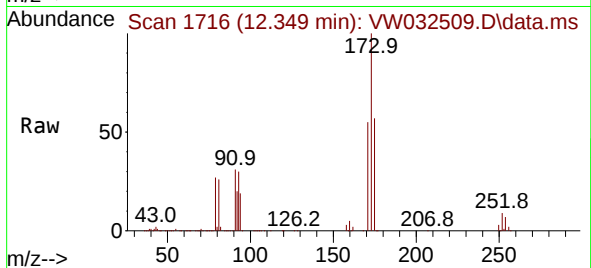
Tgt Ion:173 Resp: 110253

Ion Ratio Lower Upper

173 100

175 50.2 25.1 75.2

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

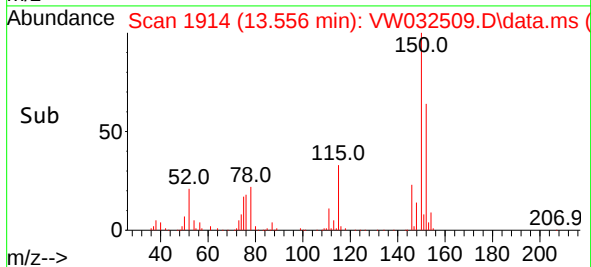
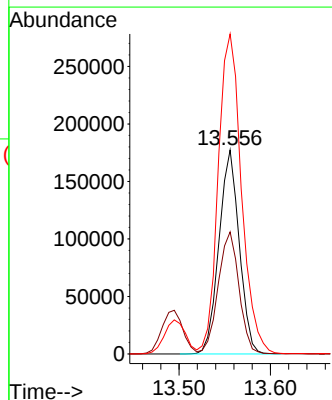
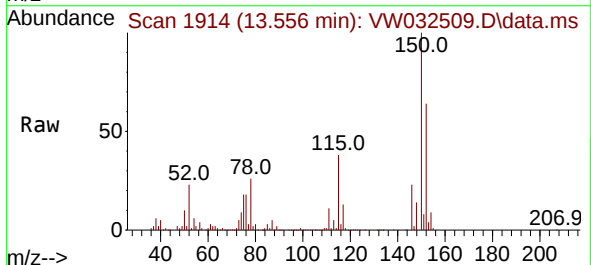
Tgt Ion:152 Resp: 273664

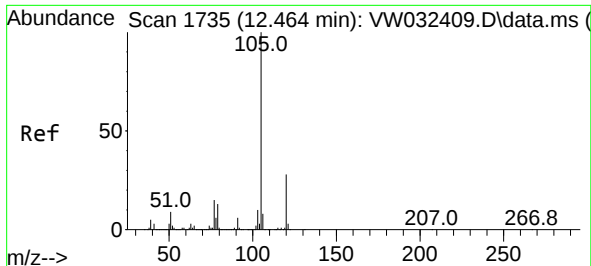
Ion Ratio Lower Upper

152 100

115 61.4 32.8 98.3

150 179.6 0.0 356.6

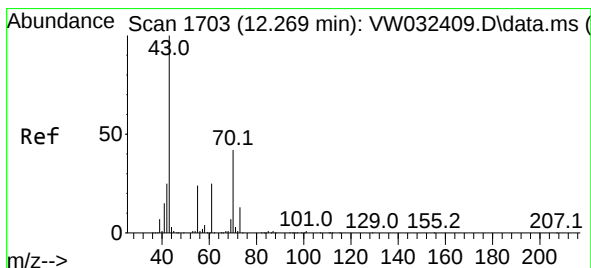
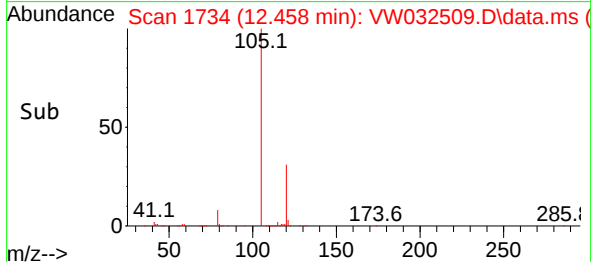
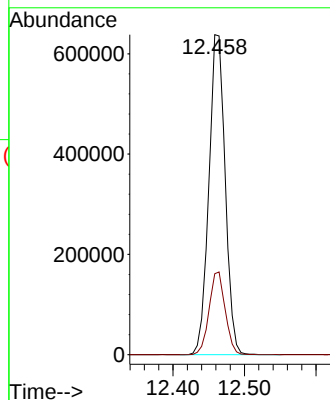
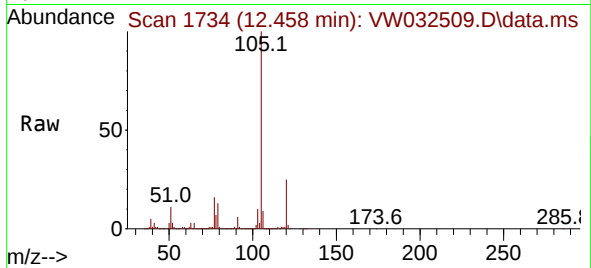




#73
Isopropylbenzene
Concen: 50.254 ug/l
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

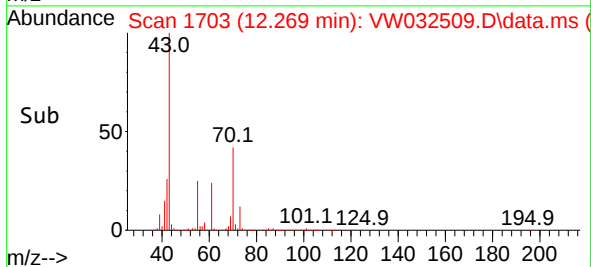
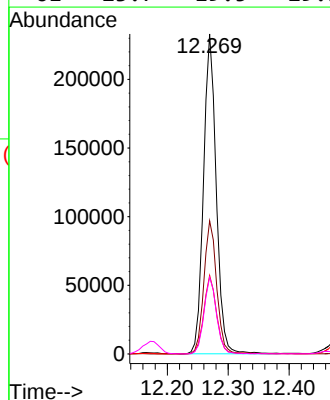
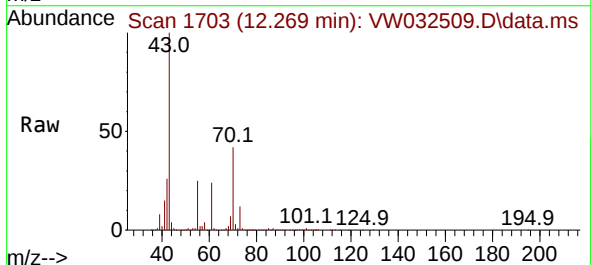
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

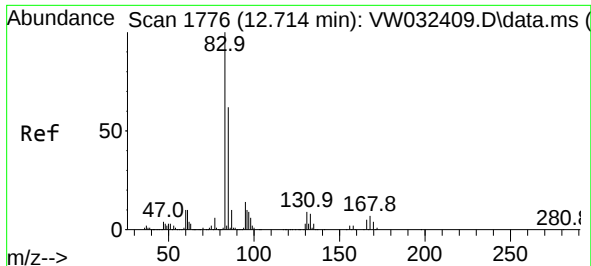
Tgt Ion:105 Resp: 1010040
Ion Ratio Lower Upper
105 100
120 25.6 13.2 39.5



#74
N-ethyl acetate
Concen: 48.529 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 43 Resp: 338935
Ion Ratio Lower Upper
43 100
70 42.1 33.5 50.3
55 24.7 19.3 28.9
61 23.7 19.5 29.3

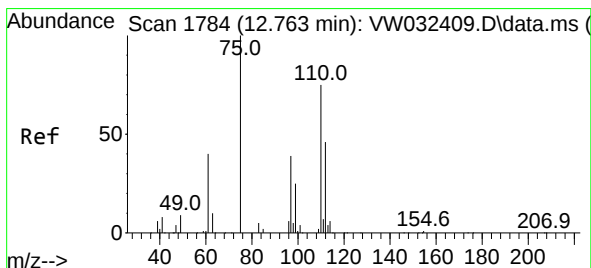
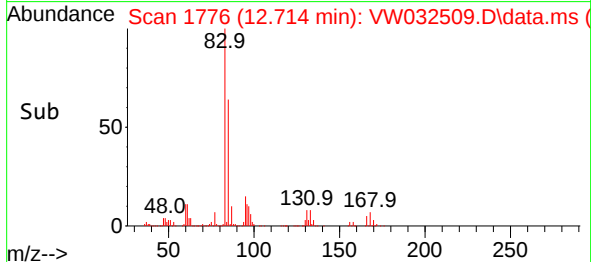
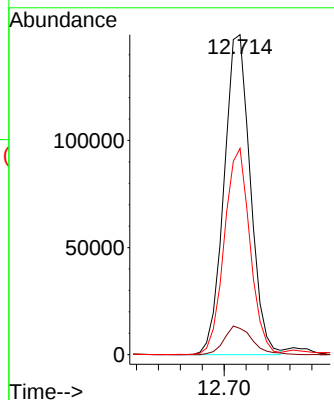
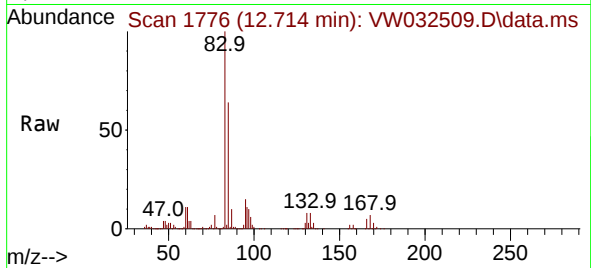




#75
1,1,2,2-Tetrachloroethane
Concen: 52.103 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

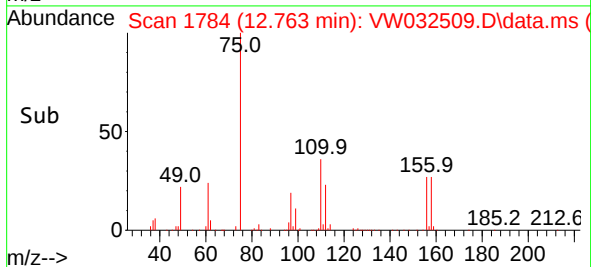
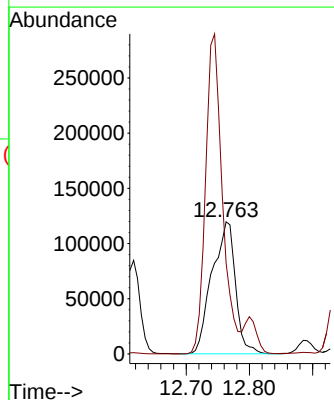
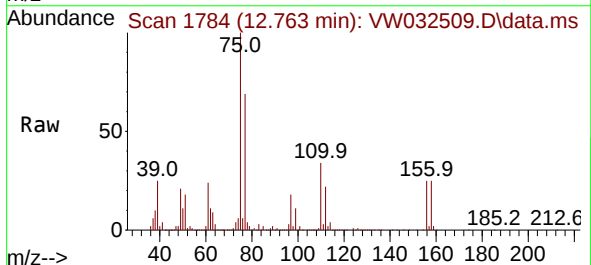
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

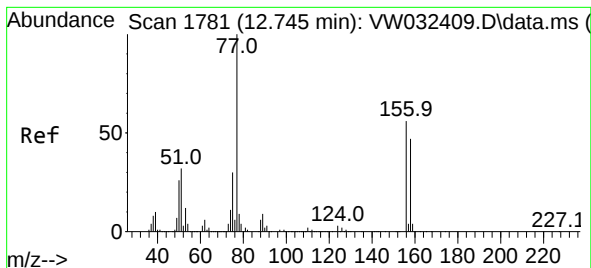
Tgt Ion: 83 Resp: 248528
Ion Ratio Lower Upper
83 100
131 9.5 5.0 14.9
85 63.3 31.6 94.8



#76
1,2,3-Trichloropropane
Concen: 81.833 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 75 Resp: 307067
Ion Ratio Lower Upper
75 100
77 176.5 151.6 454.8

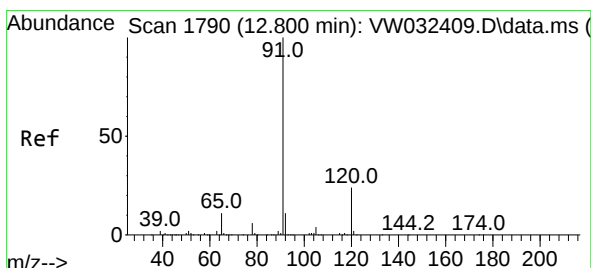
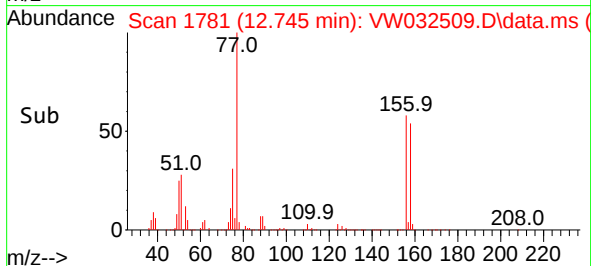
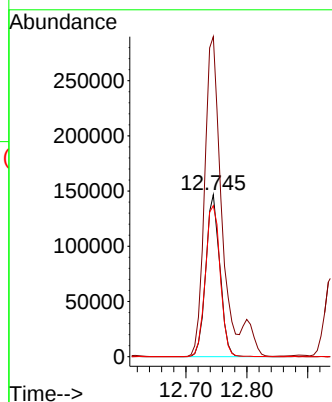
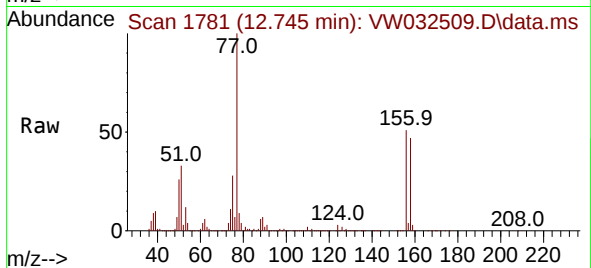




#77
Bromobenzene
Concen: 49.352 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

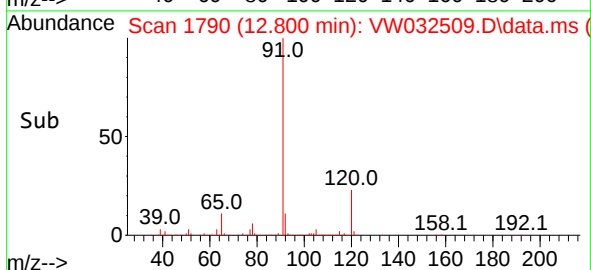
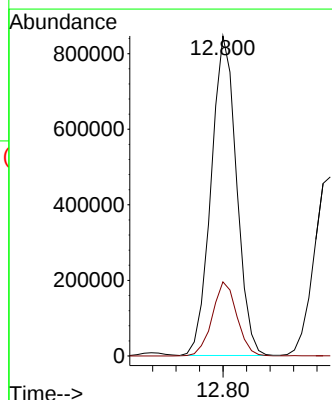
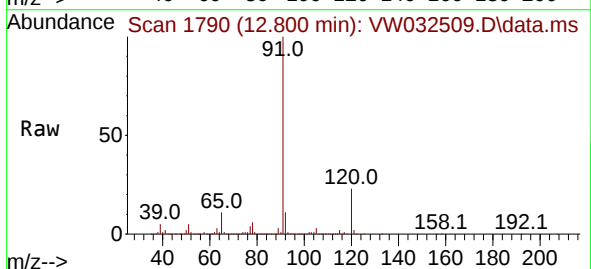
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

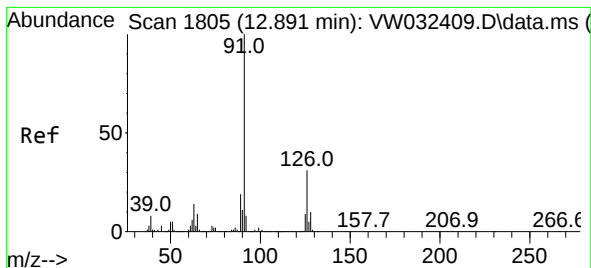
Tgt Ion:156 Resp: 234851
Ion Ratio Lower Upper
156 100
77 230.8 108.0 324.0
158 99.2 45.1 135.5



#78
n-propylbenzene
Concen: 51.872 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 91 Resp: 1269657
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9

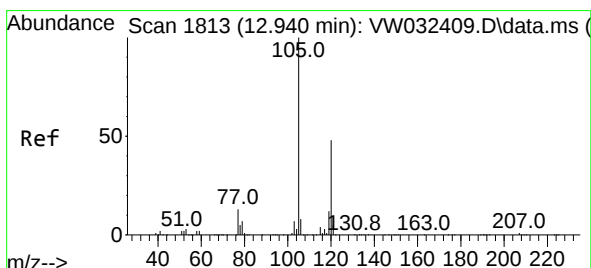
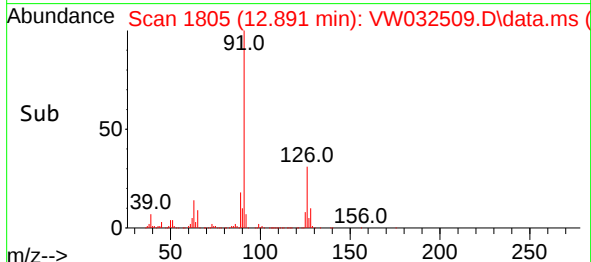
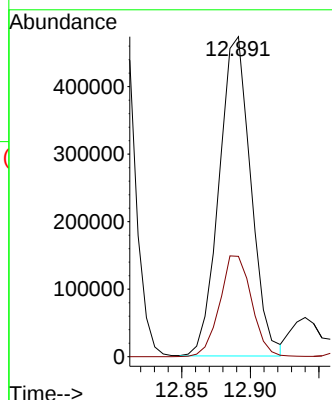
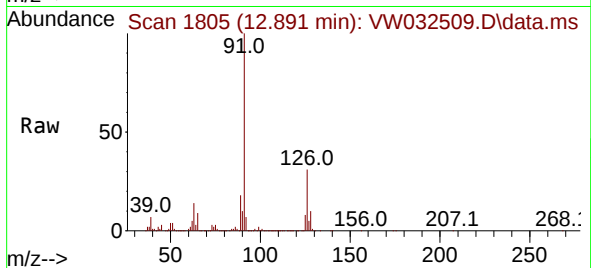




#79
2-Chlorotoluene
Concen: 51.142 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

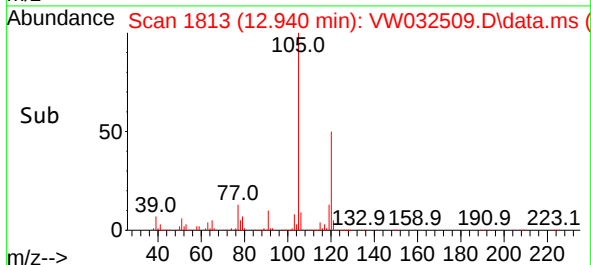
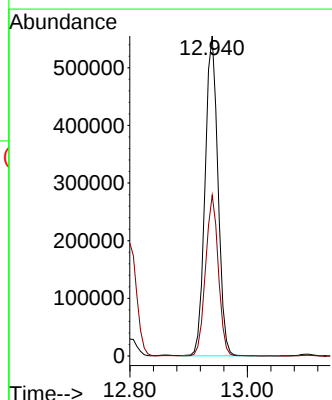
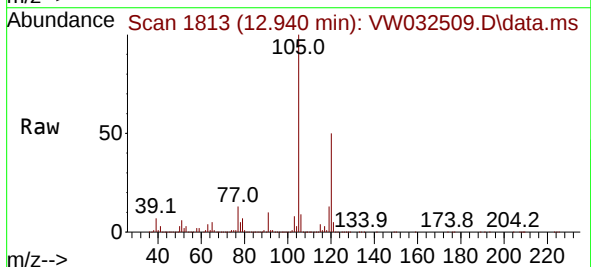
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

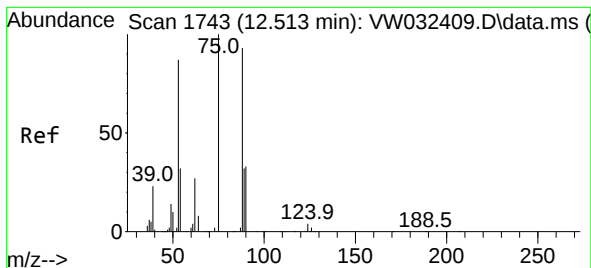
Tgt Ion: 91 Resp: 764161
Ion Ratio Lower Upper
91 100
126 31.7 16.1 48.2



#80
1,3,5-Trimethylbenzene
Concen: 50.985 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 105 Resp: 845415
Ion Ratio Lower Upper
105 100
120 49.7 24.2 72.6

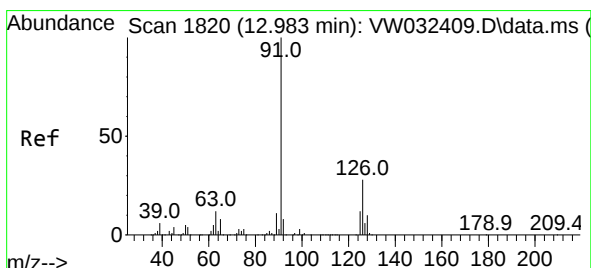
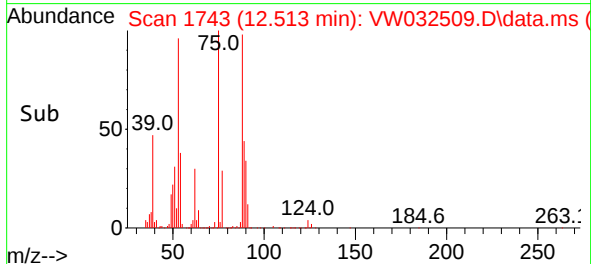
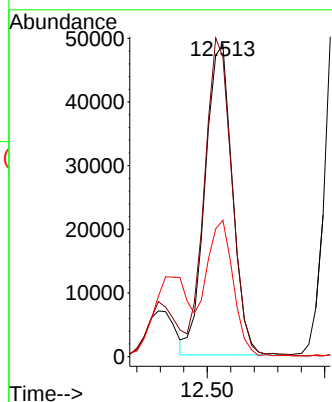
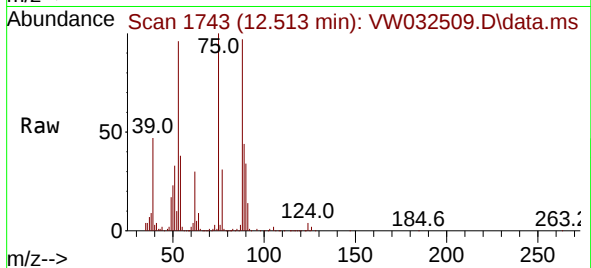




#81
trans-1,4-Dichloro-2-butene
Concen: 48.072 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

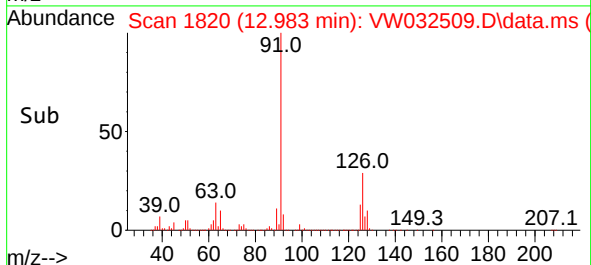
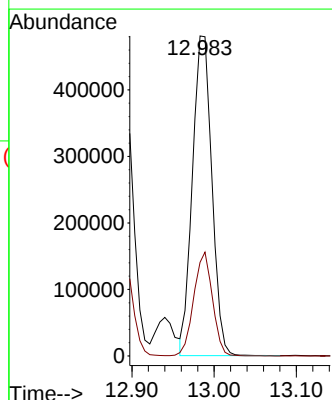
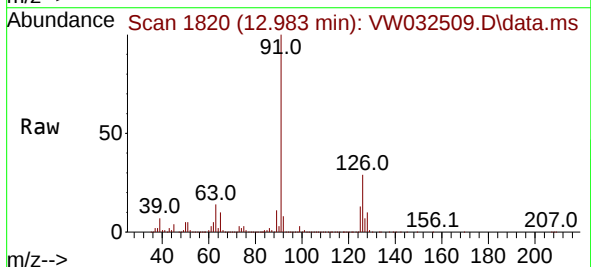
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

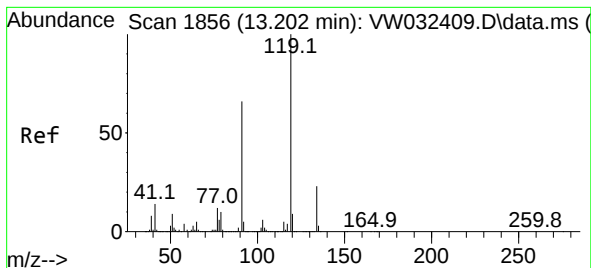
Tgt Ion: 75 Resp: 78755
Ion Ratio Lower Upper
75 100
53 101.8 77.8 116.8
89 43.2 35.6 53.4



#82
4-Chlorotoluene
Concen: 50.744 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 91 Resp: 788613
Ion Ratio Lower Upper
91 100
126 31.4 15.5 46.5

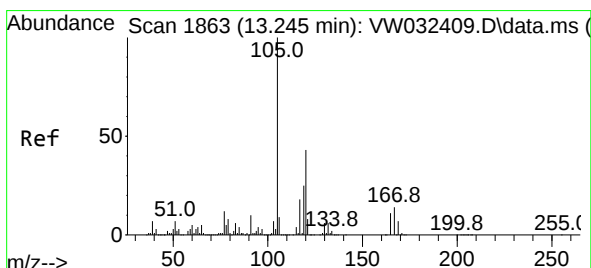
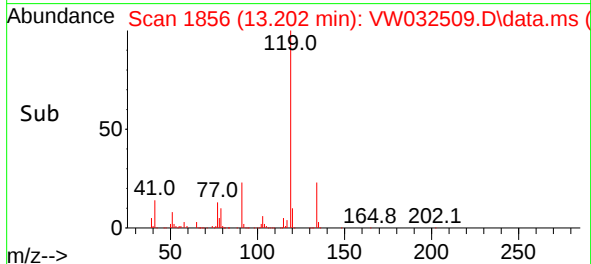
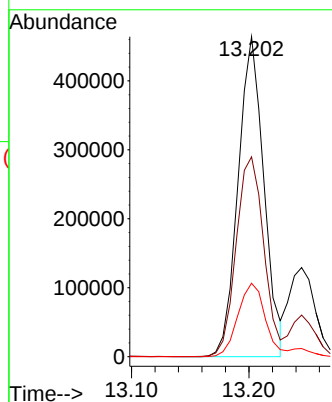
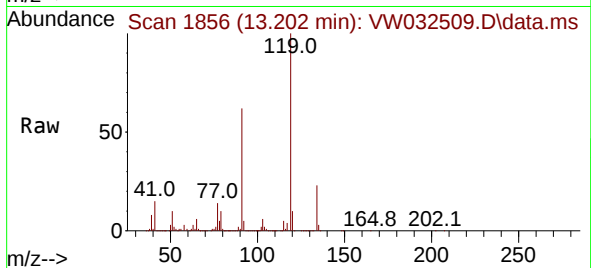




#83
tert-Butylbenzene
Concen: 49.084 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

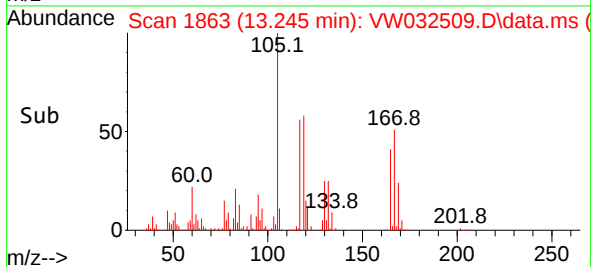
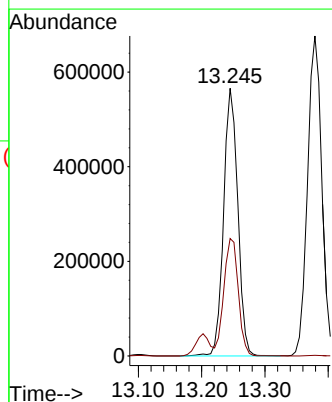
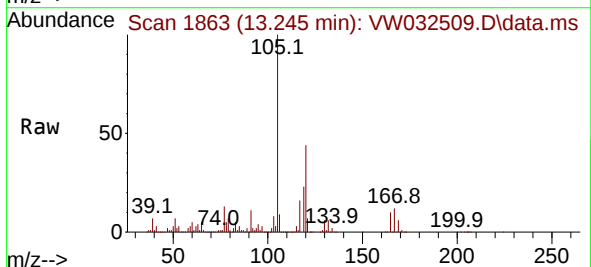
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

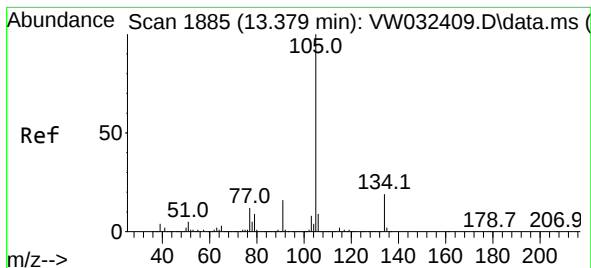
Tgt Ion:119 Resp: 708002
Ion Ratio Lower Upper
119 100
91 66.8 33.3 99.9
134 24.4 12.2 36.4



#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion:105 Resp: 875850
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.5

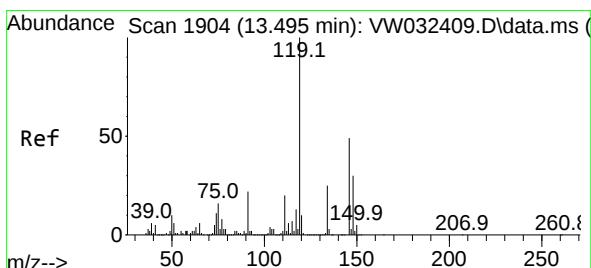
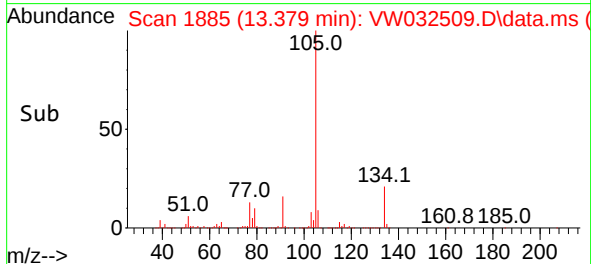
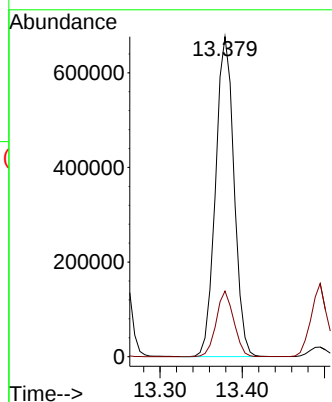
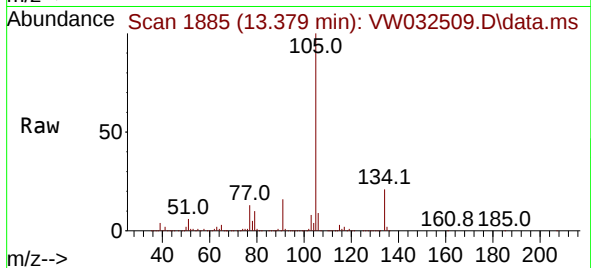




#85
 sec-Butylbenzene
 Concen: 49.081 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

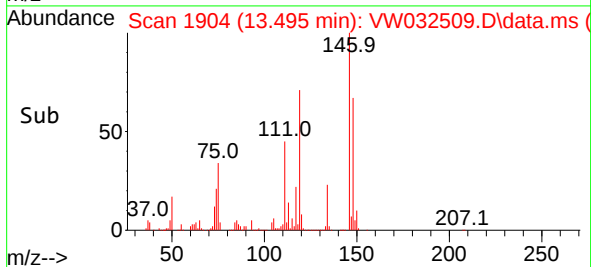
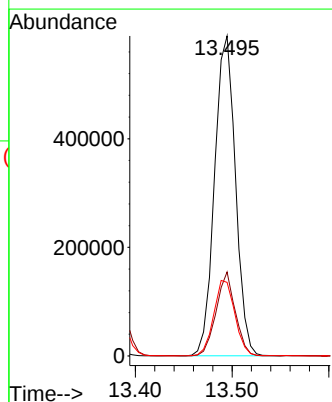
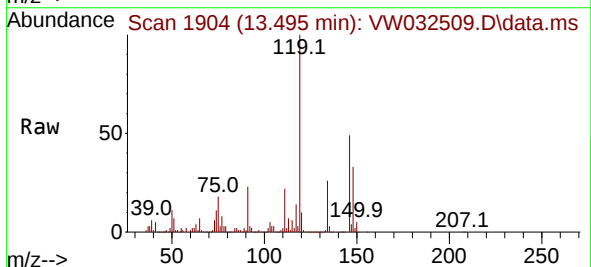
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1054354
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 49.745 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032509.D
 Acq: 19 Nov 2025 17:37

Tgt Ion:119 Resp: 882316
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.7 38.1
 91 23.9 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 51.704 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

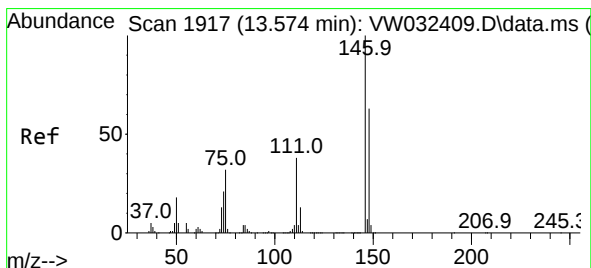
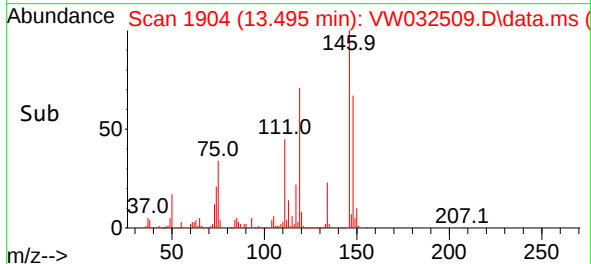
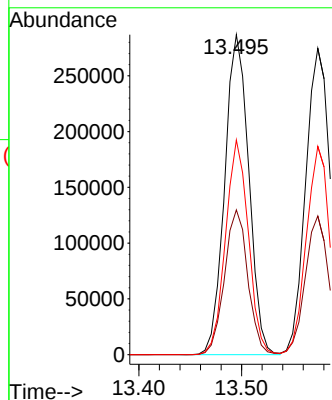
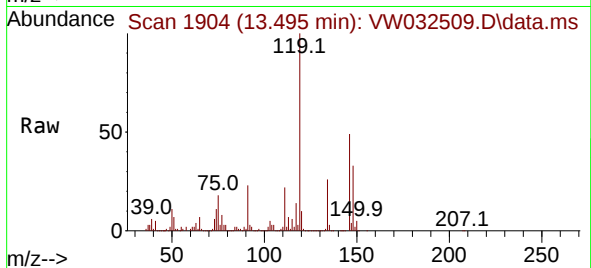
Tgt Ion:146 Resp: 466494

Ion Ratio Lower Upper

146 100

111 43.9 22.2 66.6

148 63.6 33.4 100.1



#88

1,4-Dichlorobenzene

Concen: 49.643 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

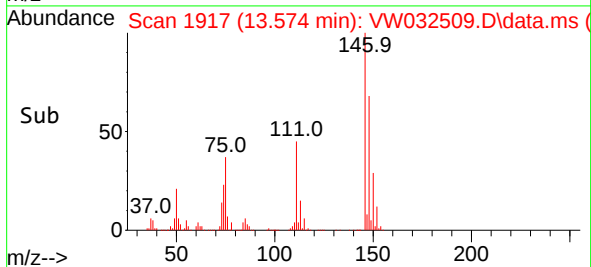
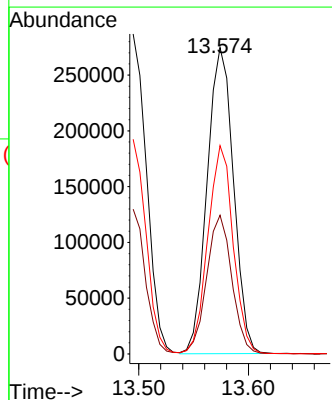
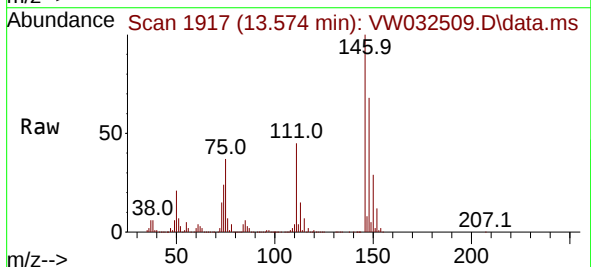
Tgt Ion:146 Resp: 458865

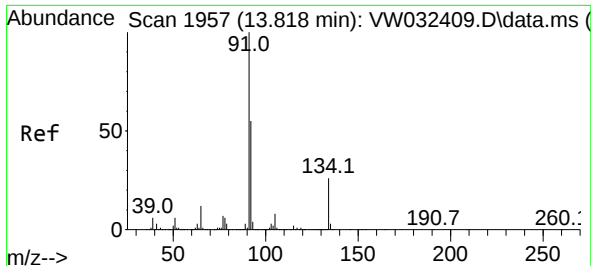
Ion Ratio Lower Upper

146 100

111 43.3 20.5 61.6

148 65.5 31.2 93.6

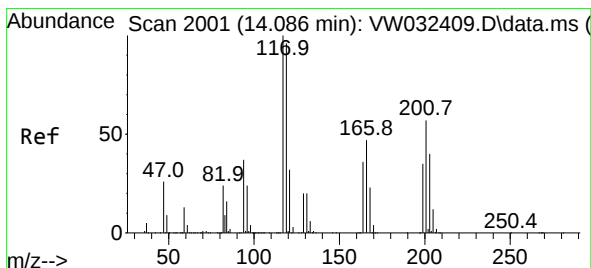
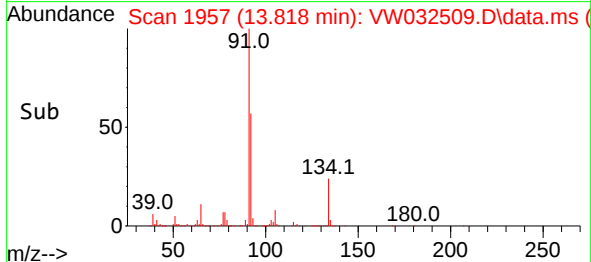
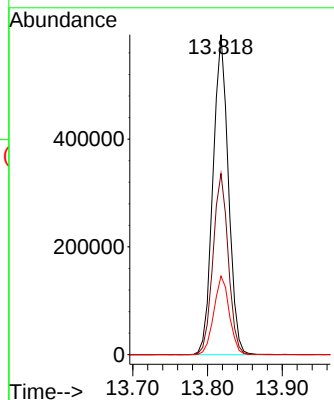
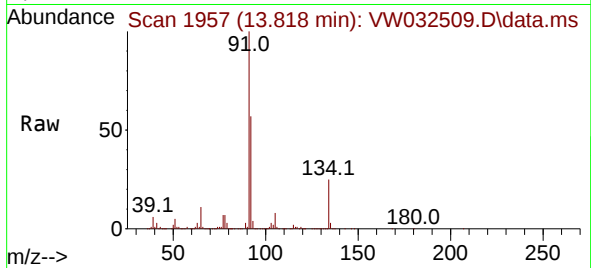




#89
n-Butylbenzene
Concen: 49.213 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

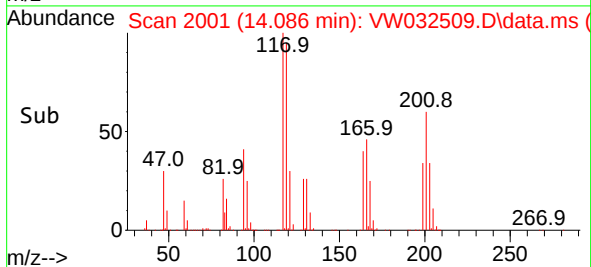
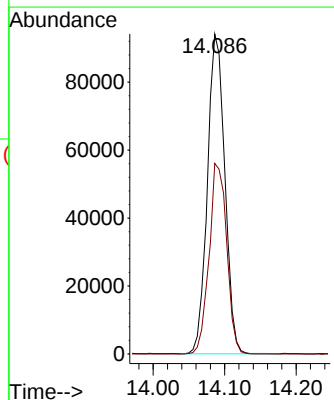
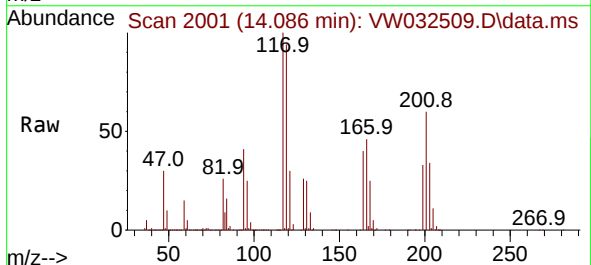
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 852780
Ion Ratio Lower Upper
91 100
92 55.9 27.4 82.2
134 24.7 12.4 37.4



#90
Hexachloroethane
Concen: 49.753 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 117 Resp: 159108
Ion Ratio Lower Upper
117 100
201 60.2 32.0 96.0

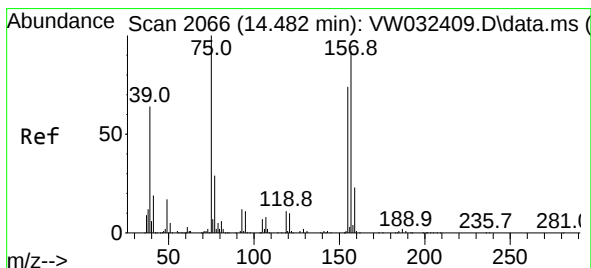
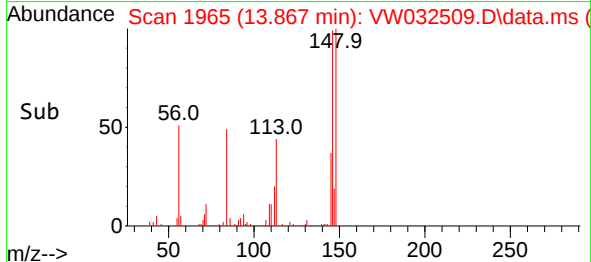
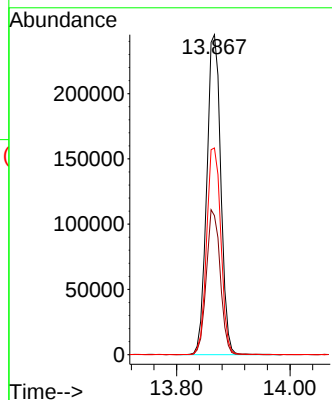
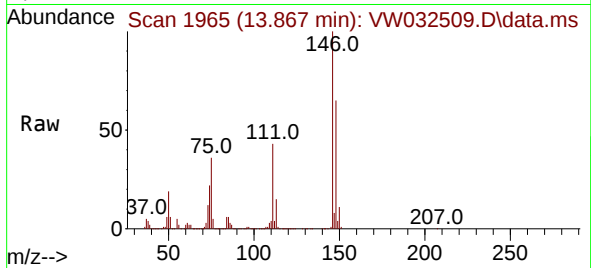




#91
1,2-Dichlorobenzene
Concen: 50.820 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

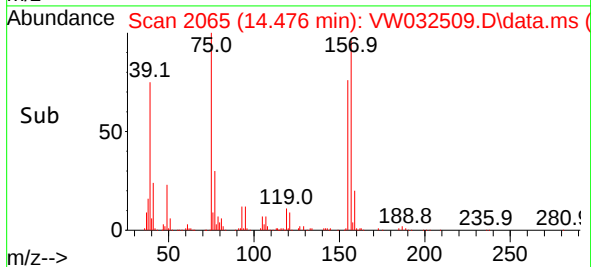
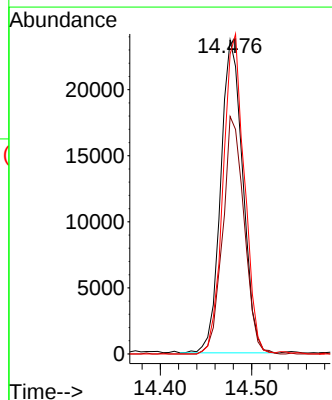
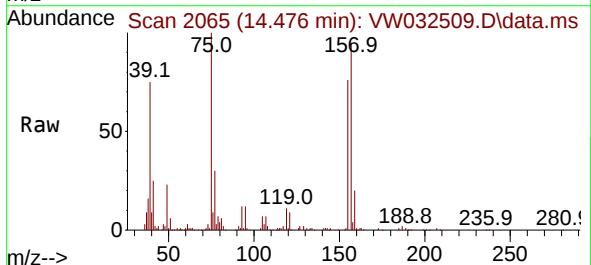
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

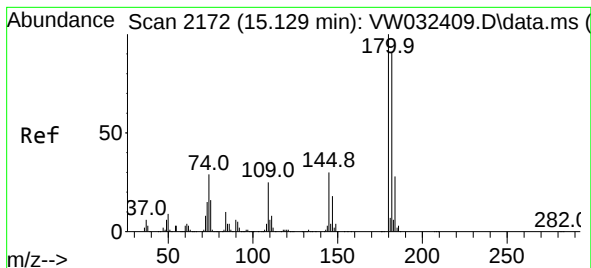
Tgt Ion:146 Resp: 420911
Ion Ratio Lower Upper
146 100
111 44.8 23.4 70.2
148 65.5 34.0 101.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.504 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032509.D
Acq: 19 Nov 2025 17:37

Tgt Ion: 75 Resp: 39857
Ion Ratio Lower Upper
75 100
155 73.4 36.2 108.6
157 97.9 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 47.325 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

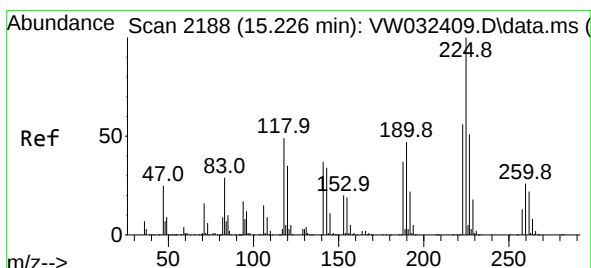
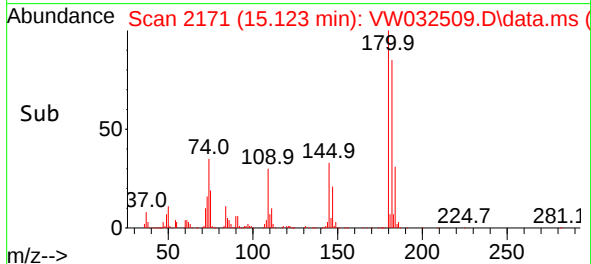
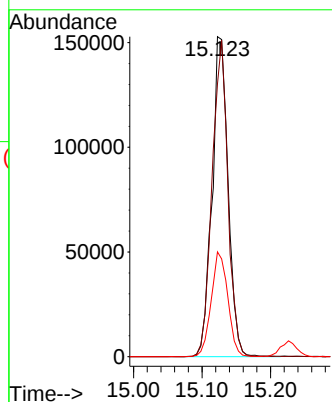
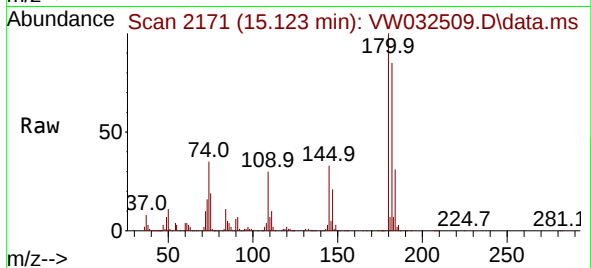
Tgt Ion:180 Resp: 249433

Ion Ratio Lower Upper

180 100

182 97.1 45.3 135.9

145 33.8 16.2 48.5



#94

Hexachlorobutadiene

Concen: 42.475 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

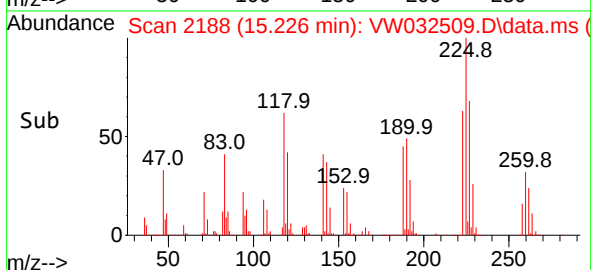
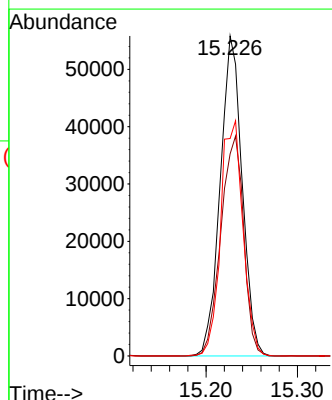
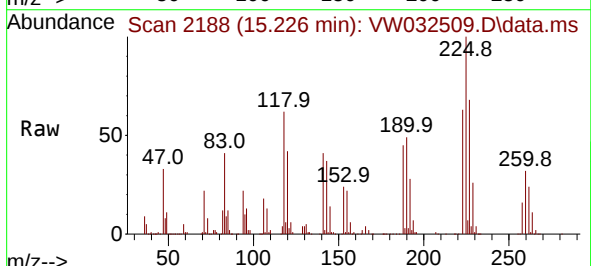
Tgt Ion:225 Resp: 92994

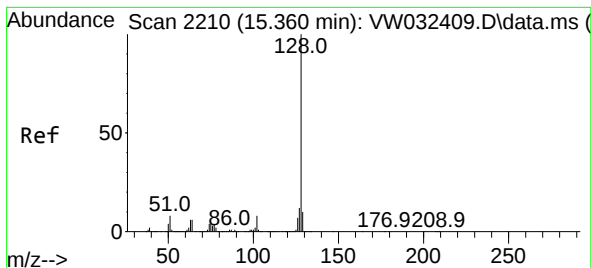
Ion Ratio Lower Upper

225 100

223 71.4 30.6 91.8

227 74.8 29.8 89.4





#95

Naphthalene

Concen: 48.160 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

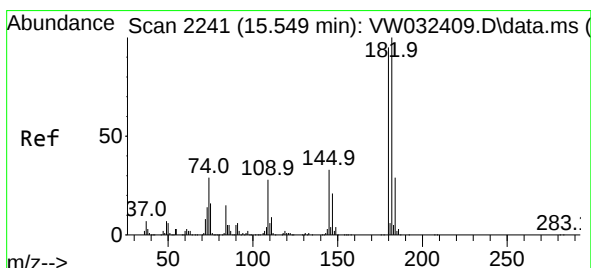
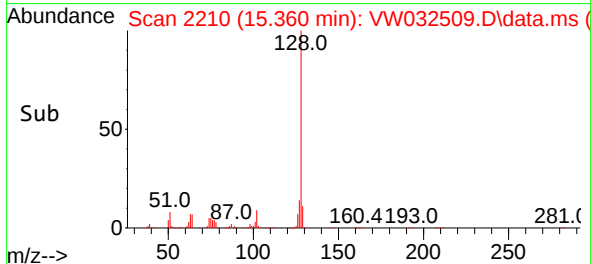
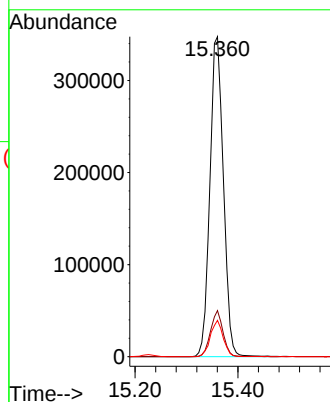
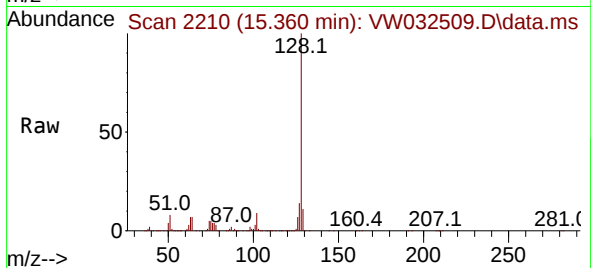
Tgt Ion:128 Resp: 632982

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 48.713 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW032509.D

Acq: 19 Nov 2025 17:37

Tgt Ion:180 Resp: 233098

Ion Ratio Lower Upper

180 100

182 94.7 50.3 151.0

145 35.2 17.8 53.3

