

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032563.D
 Acq On : 03 Dec 2025 11:32
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 04 03:46:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:43:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	337599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	647768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	587961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	285243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	24146	4.806	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	9.620%#
35) Dibromofluoromethane	7.898	113	19409	4.553	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	9.100%#
50) Toluene-d8	10.325	98	70497	4.395	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	8.800%#
62) 4-Bromofluorobenzene	12.617	95	27064	4.567	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	9.140%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	11745	5.620	ug/l	97
3) Chloromethane	2.253	50	23916	6.226	ug/l	99
4) Vinyl Chloride	2.405	62	26611	5.710	ug/l	100
5) Bromomethane	2.826	94	17596	5.685	ug/l	87
6) Chloroethane	2.972	64	16488	5.477	ug/l	97
7) Trichlorofluoromethane	3.308	101	17528	4.852	ug/l	91
8) Diethyl Ether	3.722	74	14805	5.544	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.100	101	22003	5.761	ug/l	95
10) Methyl Iodide	4.301	142	30986	5.379	ug/l	99
11) Tert butyl alcohol	5.210	59	12021	31.107	ug/l #	90
12) 1,1-Dichloroethene	4.082	96	24532	5.697	ug/l	97
13) Acrolein	3.929	56	14031	20.486	ug/l	99
14) Allyl chloride	4.710	41	39548	5.017	ug/l	95
15) Acrylonitrile	5.405	53	35046	24.990	ug/l	98
16) Acetone	4.155	43	42770	27.243	ug/l	96
17) Carbon Disulfide	4.417	76	69063	5.414	ug/l	100
18) Methyl Acetate	4.704	43	17169	5.310	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	39247	4.890	ug/l	94
20) Methylene Chloride	4.947	84	37790	6.731	ug/l	93
21) trans-1,2-Dichloroethene	5.460	96	25514	5.423	ug/l	94
22) Diisopropyl ether	6.344	45	74374	4.728	ug/l	94
23) Vinyl Acetate	6.283	43	234445	22.491	ug/l	100
24) 1,1-Dichloroethane	6.240	63	48443	5.304	ug/l	97
25) 2-Butanone	7.197	43	50415	25.022	ug/l	95
26) 2,2-Dichloropropane	7.179	77	31952	6.035	ug/l	93
27) cis-1,2-Dichloroethene	7.191	96	28489	5.201	ug/l	94
28) Bromochloromethane	7.532	49	18303	4.461	ug/l	100
29) Tetrahydrofuran	7.551	42	27445	22.814	ug/l	98
30) Chloroform	7.697	83	49239	5.432	ug/l	91
31) Cyclohexane	7.965	56	46760	5.806	ug/l #	83
32) 1,1,1-Trichloroethane	7.886	97	35253	5.359	ug/l	95
36) 1,1-Dichloropropene	8.093	75	31409	4.831	ug/l	95
37) Ethyl Acetate	7.270	43	21929	4.874	ug/l	98
38) Carbon Tetrachloride	8.081	117	31041	5.139	ug/l	96
39) Methylcyclohexane	9.343	83	38904	4.900	ug/l	97
40) Benzene	8.337	78	107478	5.187	ug/l	97

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 ClientSampleId :
 VSTDICC005

Quant Time: Dec 04 03:46:24 2025
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 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:43:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	10993	4.515	ug/l	92
42) 1,2-Dichloroethane	8.410	62	32662	5.141	ug/l	95
43) Isopropyl Acetate	8.435	43	35474	4.587	ug/l	97
44) Trichloroethene	9.099	130	23517	5.078	ug/l	89
45) 1,2-Dichloropropane	9.374	63	26115	5.074	ug/l	97
46) Dibromomethane	9.465	93	15246	5.123	ug/l	93
47) Bromodichloromethane	9.654	83	35354	5.068	ug/l	97
48) Methyl methacrylate	9.447	41	14152	4.025	ug/l	87
49) 1,4-Dioxane	9.465	88	2818	79.243	ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	96966	22.658	ug/l	96
52) Toluene	10.392	92	59584	4.773	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	29929	4.472	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	36436	4.640	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	20691	5.191	ug/l	92
56) Ethyl methacrylate	10.648	69	22283	4.042	ug/l	97
57) 1,3-Dichloropropane	10.934	76	34854	4.899	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	58334	20.196	ug/l	98
59) 2-Hexanone	10.971	43	64754	21.246	ug/l	94
60) Dibromochloromethane	11.129	129	21956	4.915	ug/l	99
61) 1,2-Dibromoethane	11.239	107	18798	4.959	ug/l	100
64) Tetrachloroethene	10.861	164	21537	5.492	ug/l	92
65) Chlorobenzene	11.660	112	69373	4.993	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	21976	5.114	ug/l	98
67) Ethyl Benzene	11.733	91	111660	4.735	ug/l	97
68) m/p-Xylenes	11.836	106	83714	9.338	ug/l	100
69) o-Xylene	12.166	106	35889	4.371	ug/l	86
70) Styrene	12.178	104	62715	4.355	ug/l	98
71) Bromoform	12.349	173	11113	4.703	ug/l #	98
73) Isopropylbenzene	12.458	105	93249	4.407	ug/l	100
74) N-amyl acetate	12.269	43	29321	4.186	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	24544	4.927	ug/l	98
77) Bromobenzene	12.745	156	24491	4.896	ug/l	92
78) n-propylbenzene	12.800	91	122353	4.532	ug/l	99
79) 2-Chlorotoluene	12.891	91	75884	4.715	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	81387	4.508	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	7071	4.309	ug/l	90
82) 4-Chlorotoluene	12.983	91	81465	4.733	ug/l	96
83) tert-Butylbenzene	13.202	119	65043	4.368	ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	80428	4.459	ug/l	100
85) sec-Butylbenzene	13.379	105	105074	4.575	ug/l	100
86) p-Isopropyltoluene	13.495	119	86209	4.557	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	51565	5.042	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	52767	5.198	ug/l	90
89) n-Butylbenzene	13.818	91	89295	4.648	ug/l	98
90) Hexachloroethane	14.092	117	18792	5.187	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	46318	5.163	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	4657	5.423	ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	26457	4.842	ug/l	95
94) Hexachlorobutadiene	15.226	225	13225	5.259	ug/l	98
95) Naphthalene	15.360	128	47640	3.888	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	23081	4.650	ug/l	99

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Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

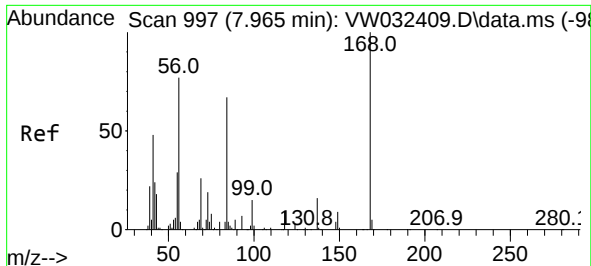
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:43:50 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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Quant Title : SW846 8260
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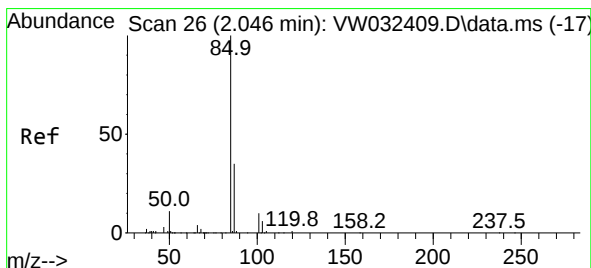
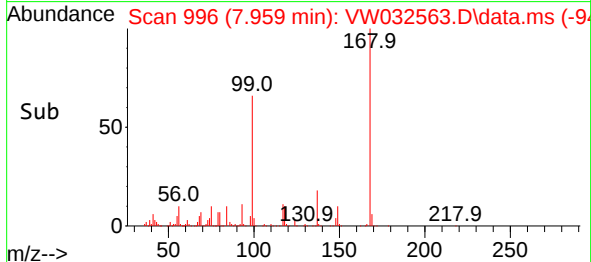
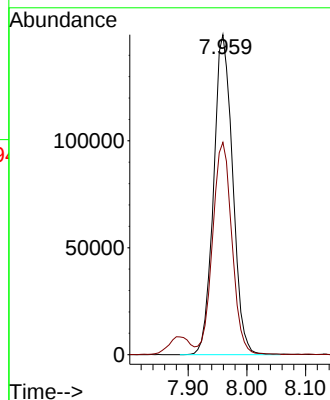
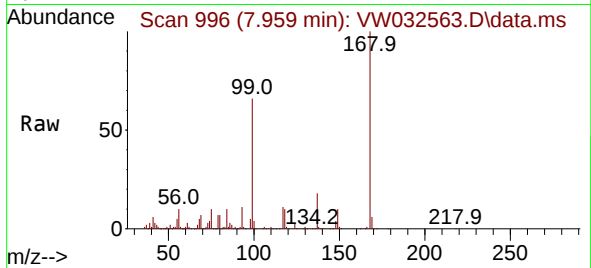




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

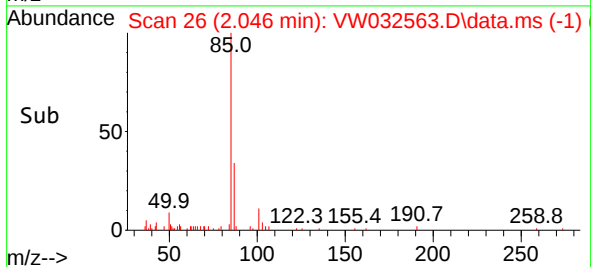
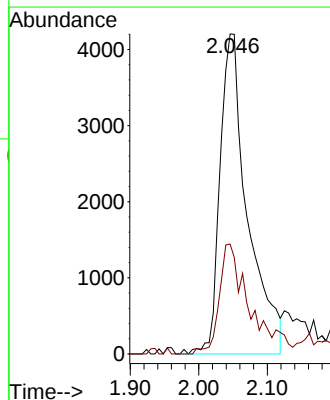
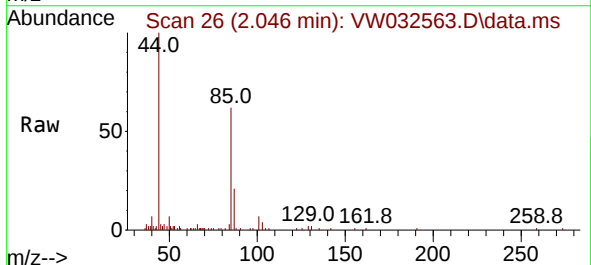
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 337599
Ion Ratio Lower Upper
168 100
99 66.2 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 5.620 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 85 Resp: 11745
Ion Ratio Lower Upper
85 100
87 34.4 17.9 53.8

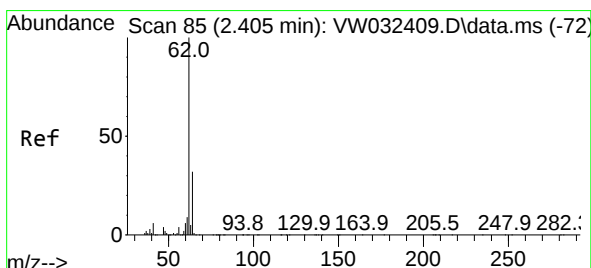
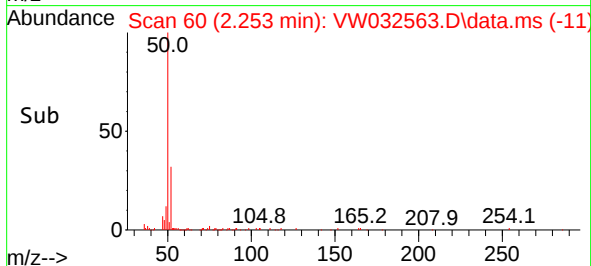
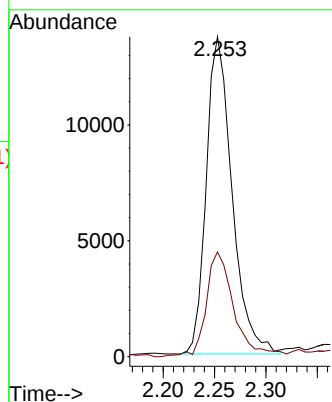
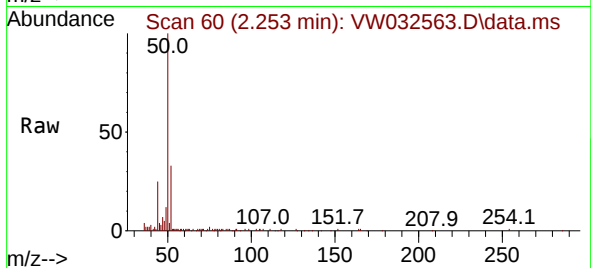




#3
Chloromethane
Concen: 6.226 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

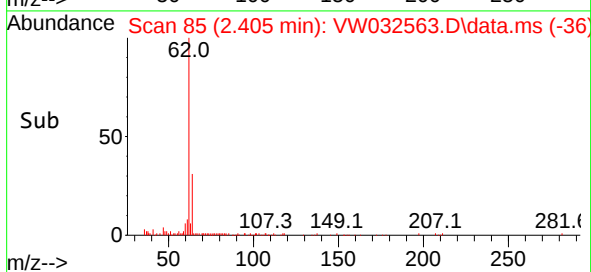
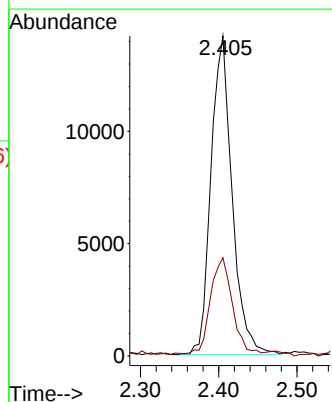
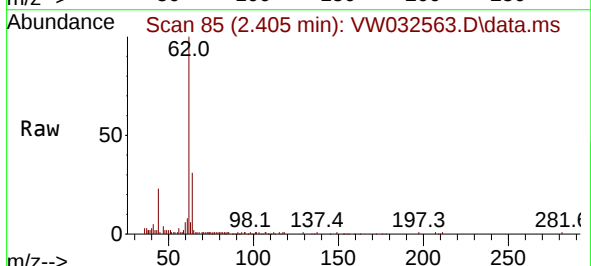
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 23916
Ion Ratio Lower Upper
50 100
52 32.4 26.2 39.4



#4
Vinyl Chloride
Concen: 5.710 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 62 Resp: 26611
Ion Ratio Lower Upper
62 100
64 30.0 24.2 36.4

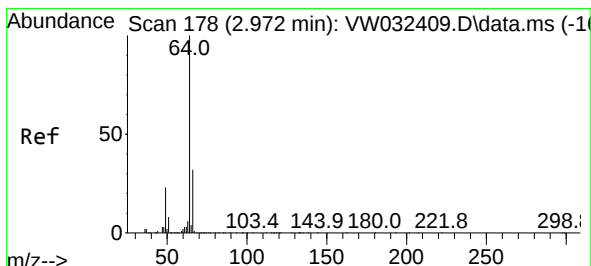
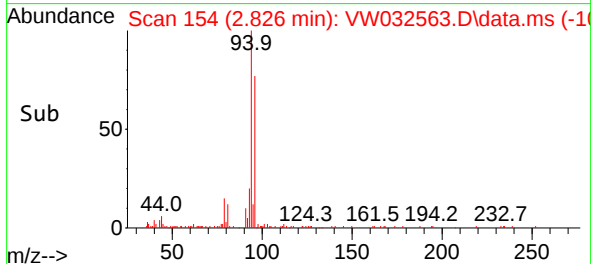
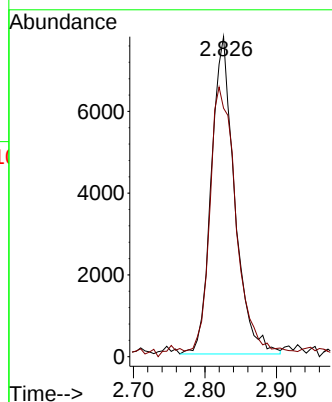
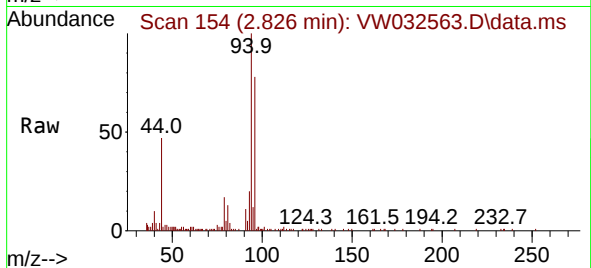




#5
Bromomethane
Concen: 5.685 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

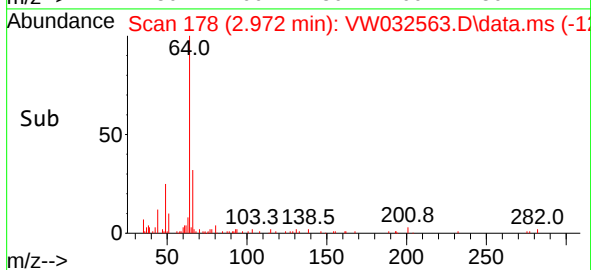
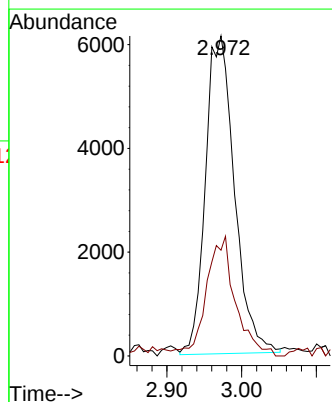
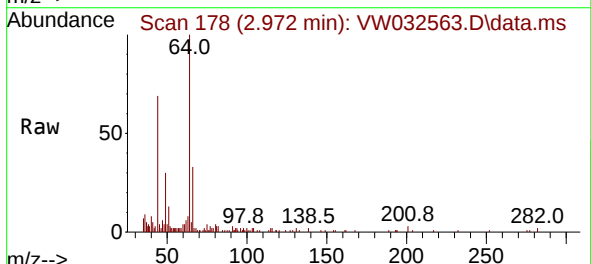
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

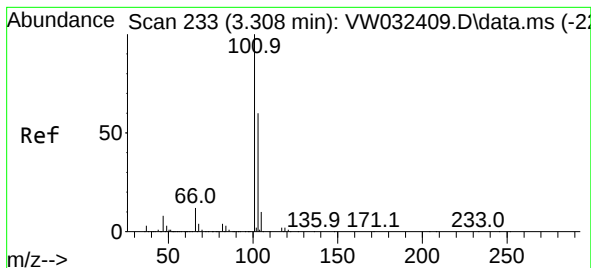
Tgt Ion: 94 Resp: 17596
Ion Ratio Lower Upper
94 100
96 75.8 69.9 104.9



#6
Chloroethane
Concen: 5.477 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 64 Resp: 16488
Ion Ratio Lower Upper
64 100
66 33.4 25.4 38.2





#7

Trichlorofluoromethane

Concen: 4.852 ug/l

RT: 3.308 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

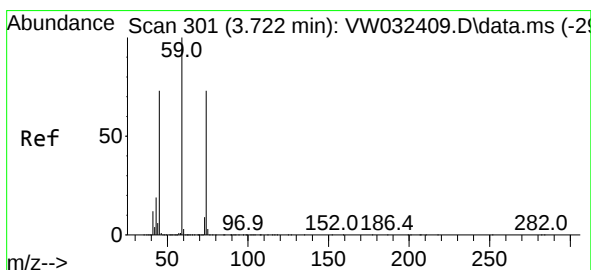
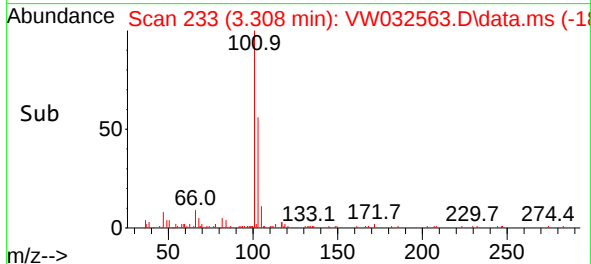
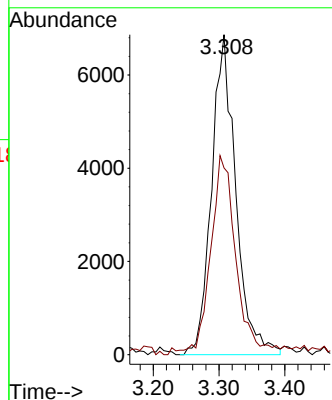
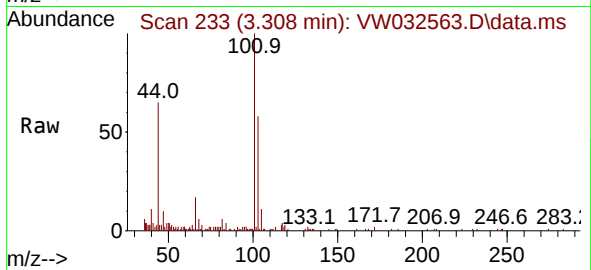
VSTDICC005

Tgt Ion:101 Resp: 17528

Ion Ratio Lower Upper

101 100

103 57.0 51.1 76.7



#8

Diethyl Ether

Concen: 5.544 ug/l

RT: 3.722 min Scan# 301

Delta R.T. -0.000 min

Lab File: VW032563.D

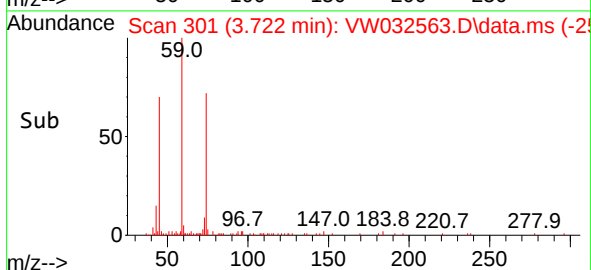
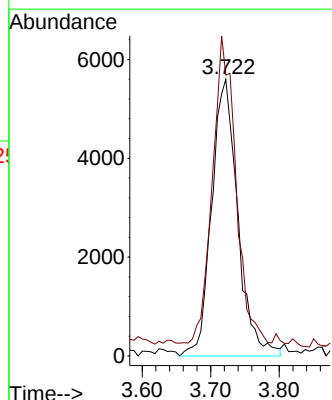
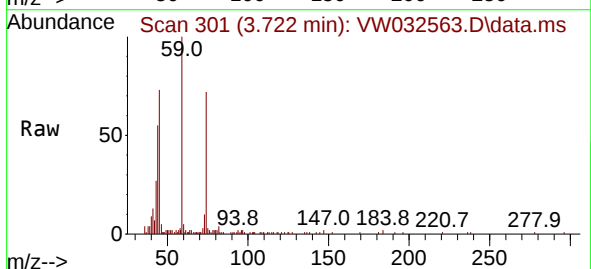
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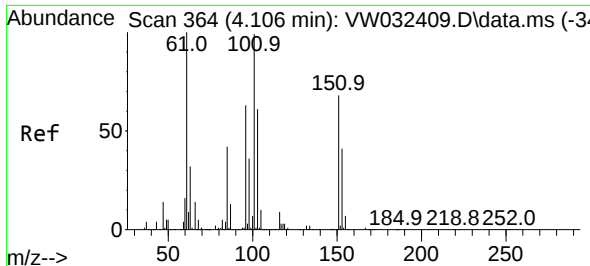
Tgt Ion: 74 Resp: 14805

Ion Ratio Lower Upper

74 100

45 98.9 53.4 160.3

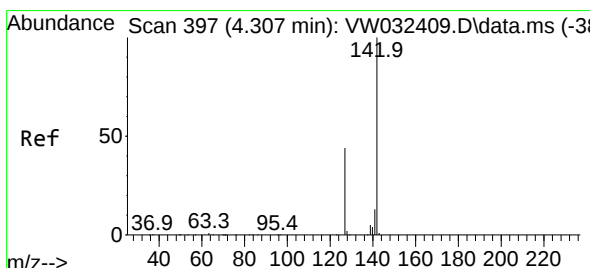
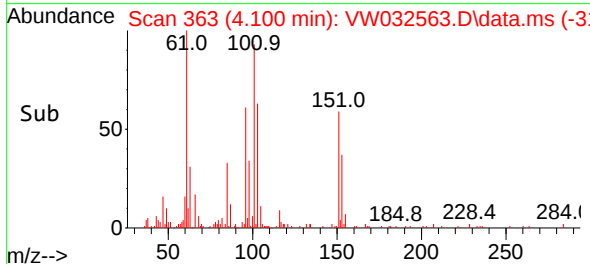
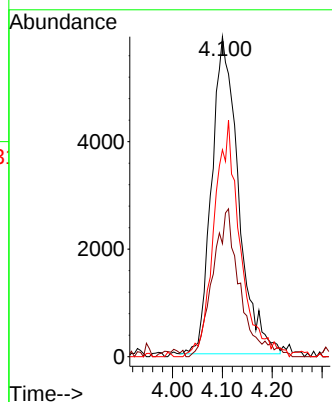
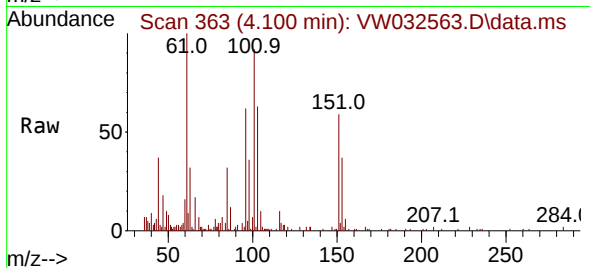




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.761 ug/l
RT: 4.100 min Scan# 309
Delta R.T. -0.006 min
Lab File: VW032563.D
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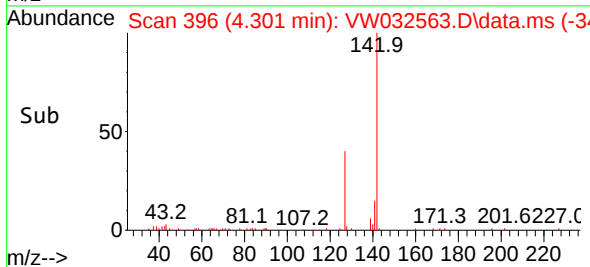
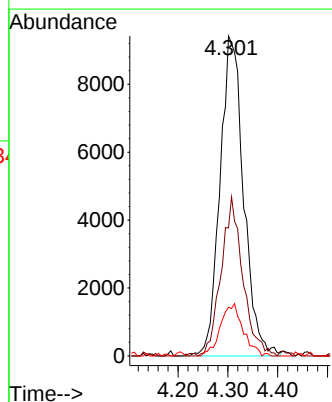
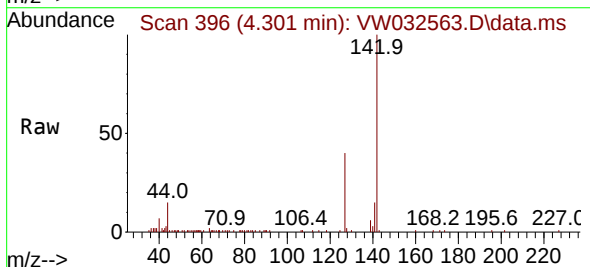
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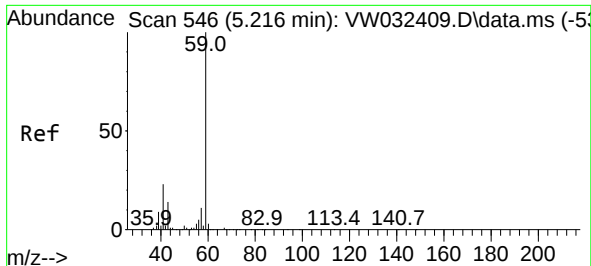
Tgt Ion:	101	Resp:	22003
Ion	Ratio	Lower	Upper
101	100		
85	47.4	35.0	52.4
151	72.6	54.6	82.0



#10
Methyl Iodide
Concen: 5.379 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion:	142	Resp:	30986
Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.2	54.2
141	15.7	11.9	17.9

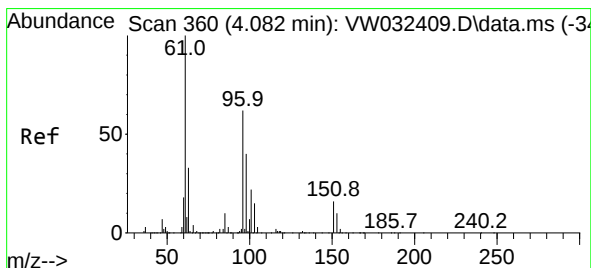
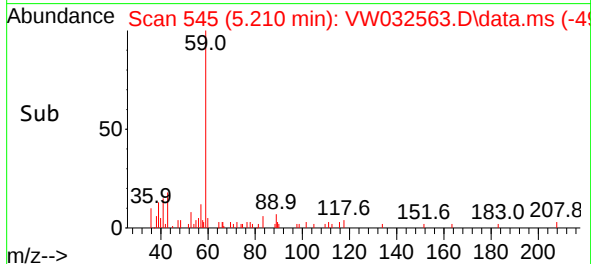
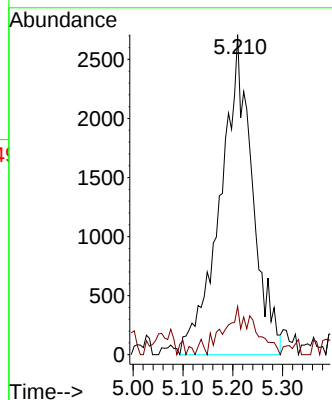
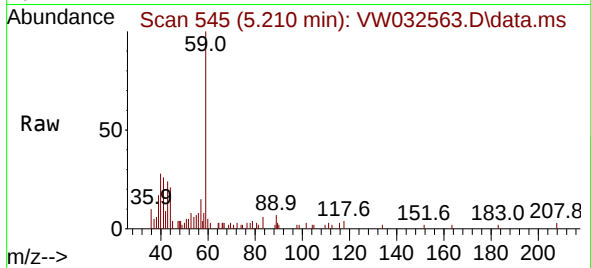




#11
Tert butyl alcohol
Concen: 31.107 ug/l
RT: 5.210 min Scan# 546
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

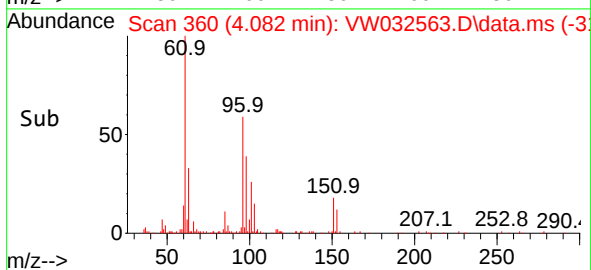
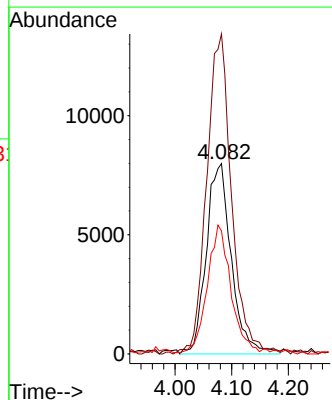
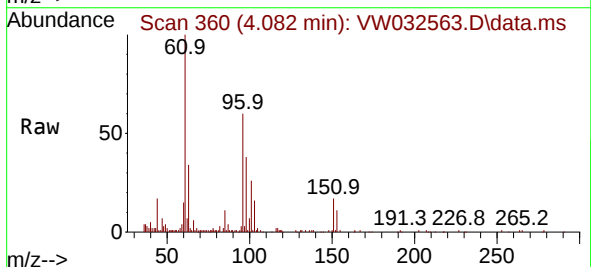
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 12021
Ion Ratio Lower Upper
59 100
57 9.2 4.6 6.8#



#12
1,1-Dichloroethene
Concen: 5.697 ug/l
RT: 4.082 min Scan# 360
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 96 Resp: 24532
Ion Ratio Lower Upper
96 100
61 166.1 136.6 205.0
98 63.8 51.4 77.2

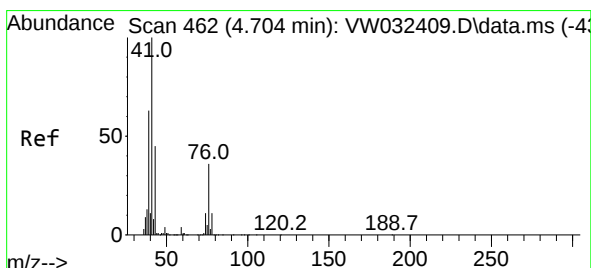
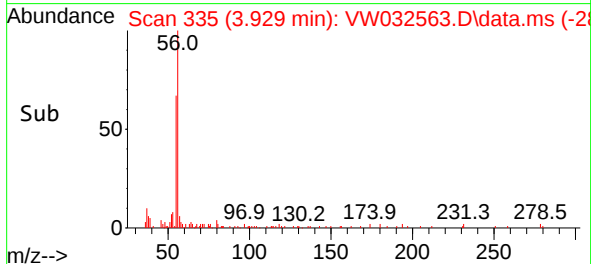
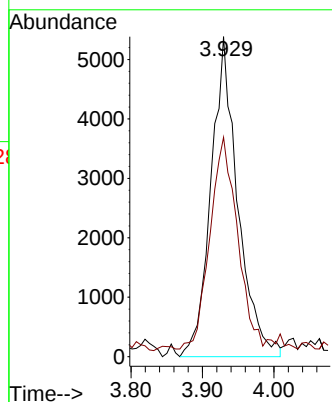
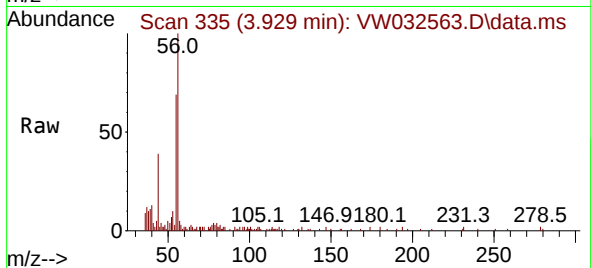




#13
Acrolein
Concen: 20.486 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

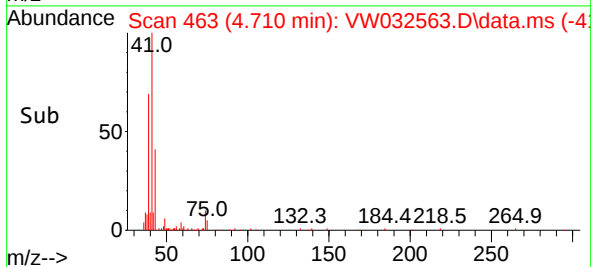
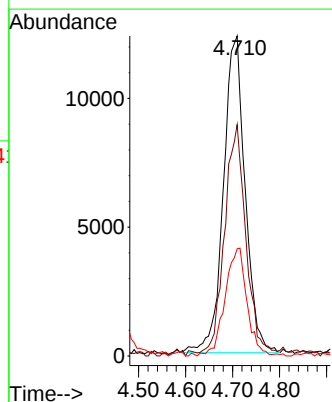
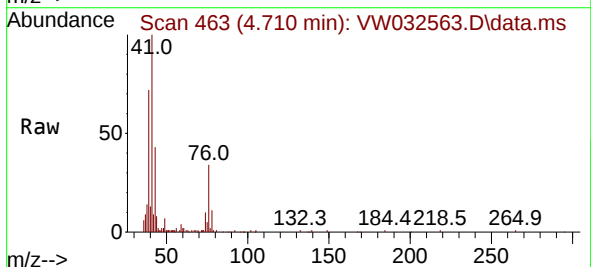
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

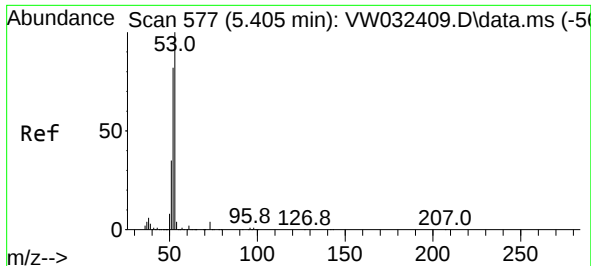
Tgt Ion: 56 Resp: 14031
Ion Ratio Lower Upper
56 100
55 68.3 55.2 82.8



#14
Allyl chloride
Concen: 5.017 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 41 Resp: 39548
Ion Ratio Lower Upper
41 100
39 70.3 52.9 79.3
76 34.2 25.8 38.6

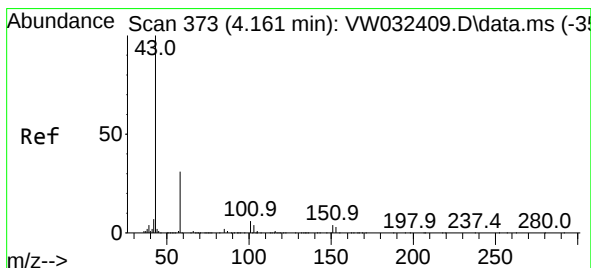
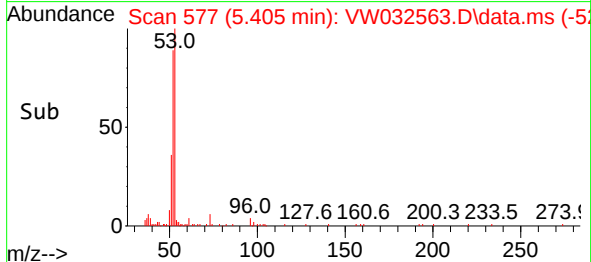
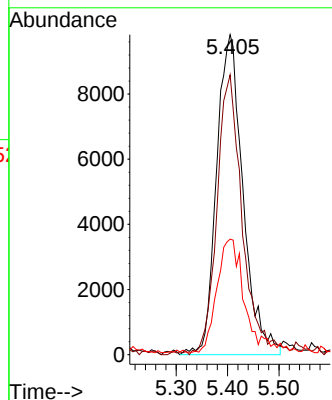
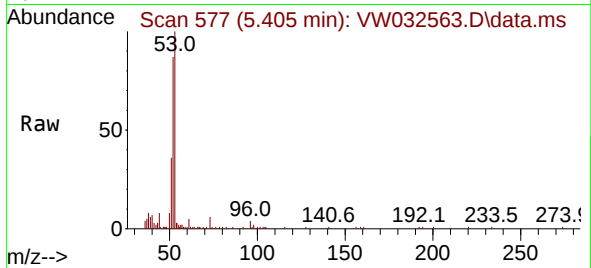




#15
Acrylonitrile
Concen: 24.990 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

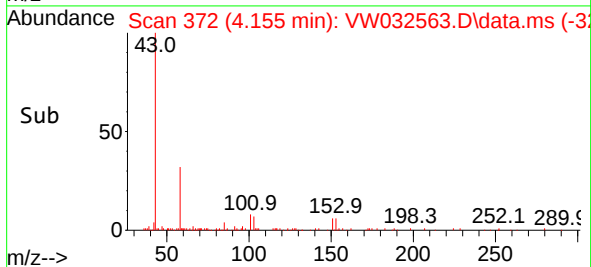
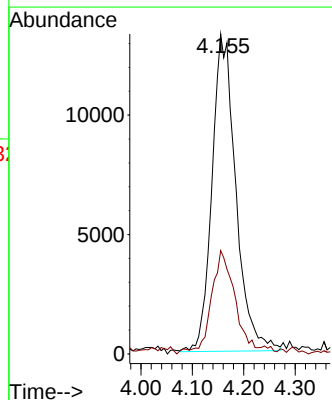
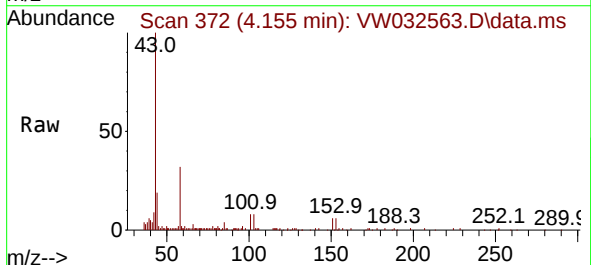
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

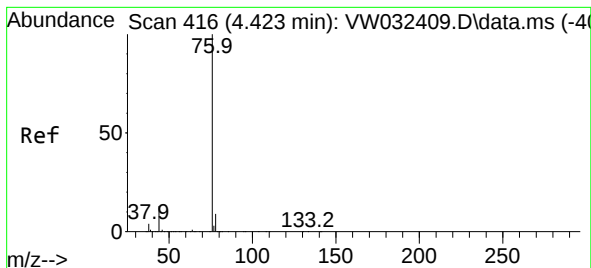
Tgt Ion:	53	Resp:	35046
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	34.3	29.3	43.9



#16
Acetone
Concen: 27.243 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion:	43	Resp:	42770
Ion	Ratio	Lower	Upper
43	100		
58	31.7	23.5	35.3





#17

Carbon Disulfide

Concen: 5.414 ug/l

RT: 4.417 min Scan# 415

Delta R.T. -0.006 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

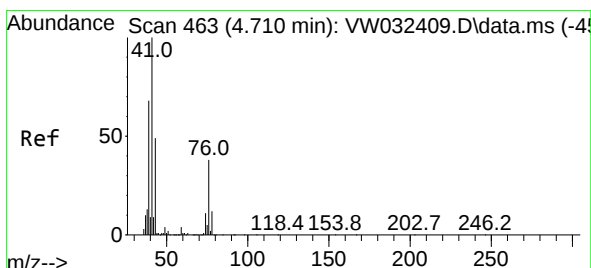
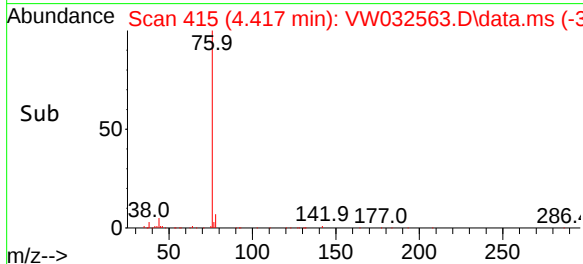
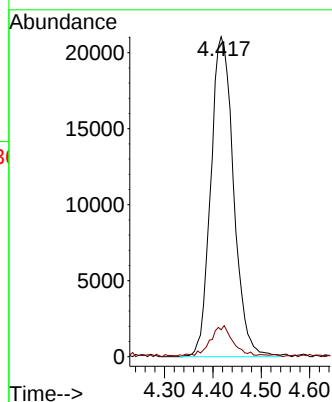
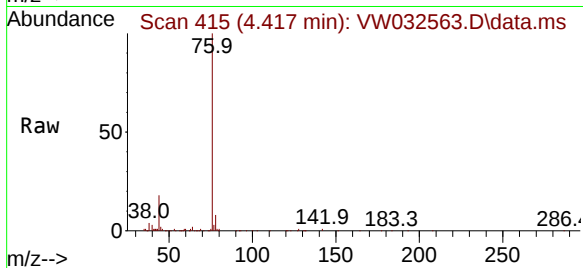
VSTDICC005

Tgt Ion: 76 Resp: 69063

Ion Ratio Lower Upper

76 100

78 8.1 6.6 9.8



#18

Methyl Acetate

Concen: 5.310 ug/l

RT: 4.704 min Scan# 462

Delta R.T. -0.006 min

Lab File: VW032563.D

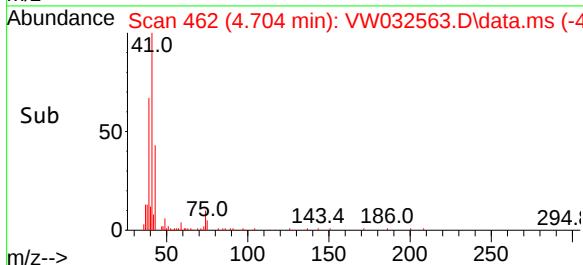
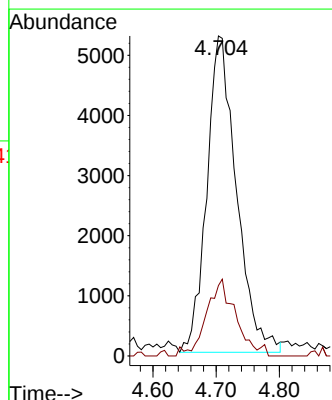
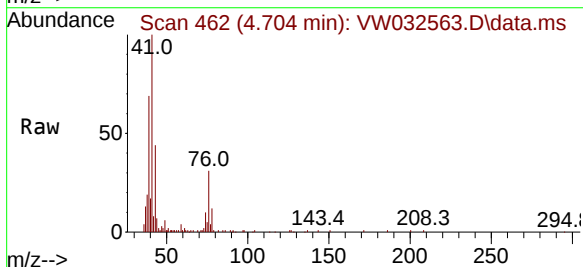
Acq: 03 Dec 2025 11:32

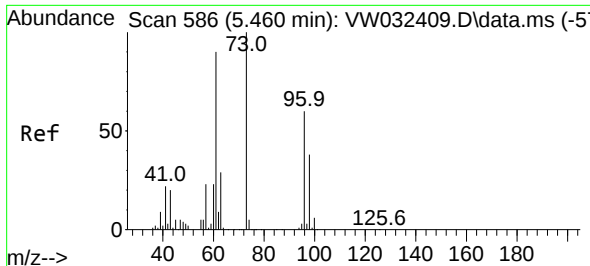
Tgt Ion: 43 Resp: 17169

Ion Ratio Lower Upper

43 100

74 24.0 17.9 26.9

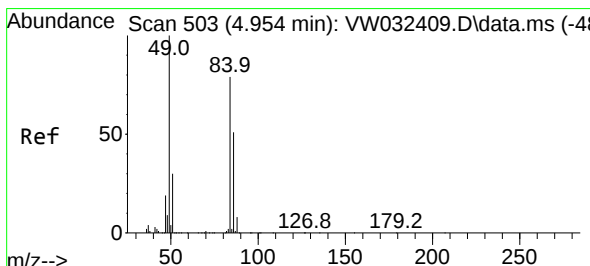
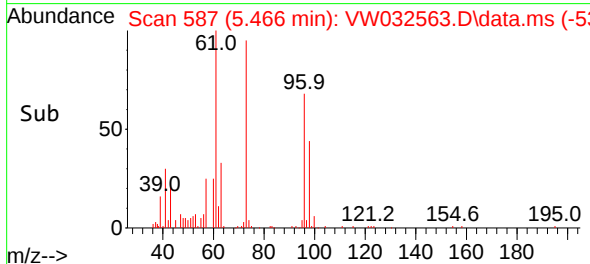
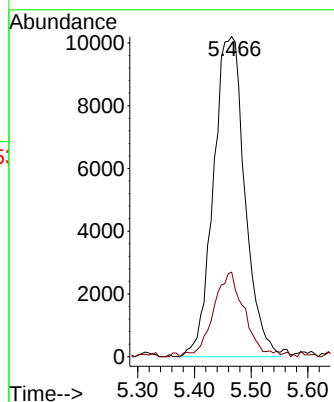
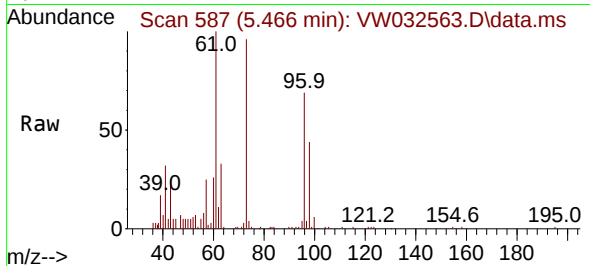




#19
Methyl tert-butyl Ether
Concen: 4.890 ug/l
RT: 5.466 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

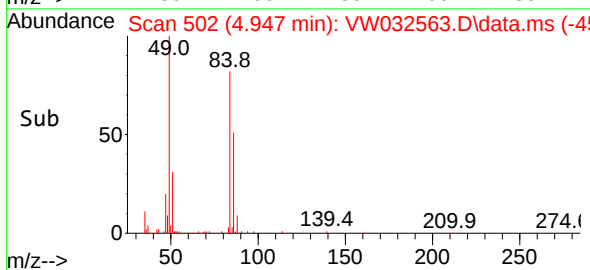
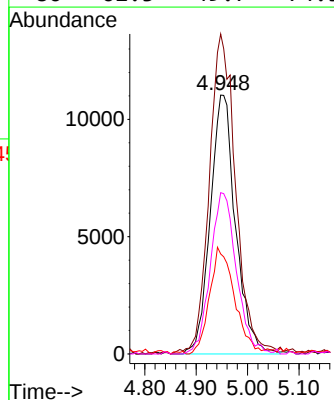
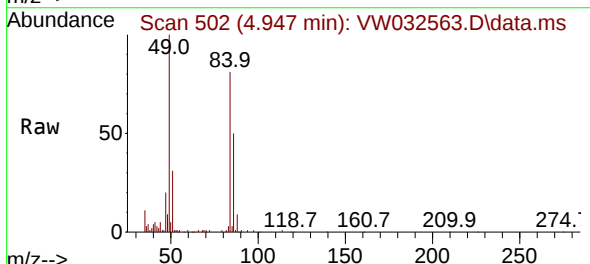
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

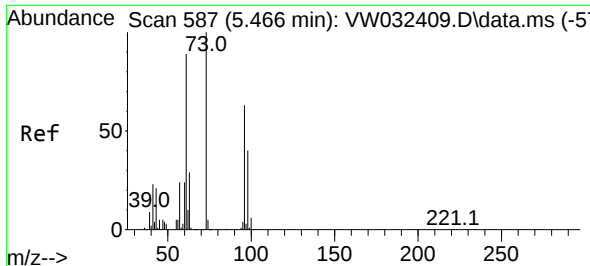
Tgt Ion: 73 Resp: 39247
Ion Ratio Lower Upper
73 100
57 26.4 19.0 28.4



#20
Methylene Chloride
Concen: 6.731 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 84 Resp: 37790
Ion Ratio Lower Upper
84 100
49 121.8 107.6 161.4
51 38.0 33.9 50.9
86 62.3 49.7 74.5

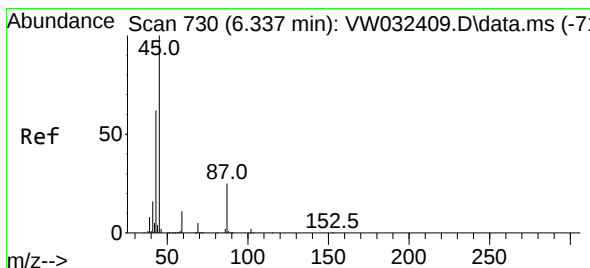
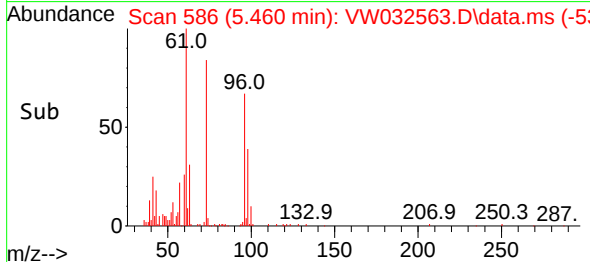
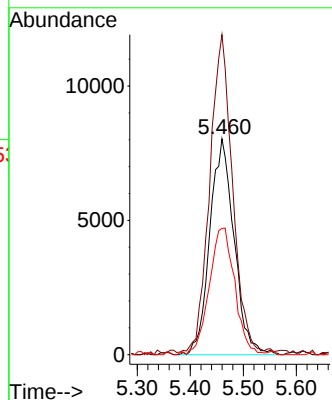
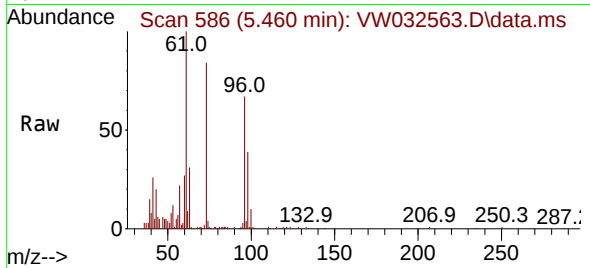




#21
trans-1,2-Dichloroethene
Concen: 5.423 ug/l
RT: 5.460 min Scan# 587
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

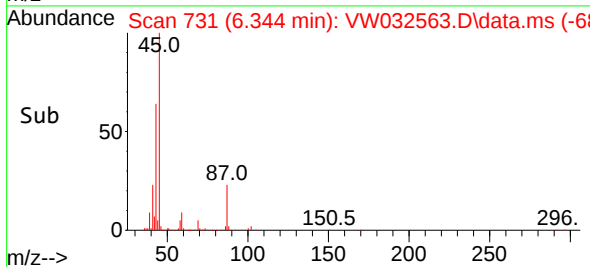
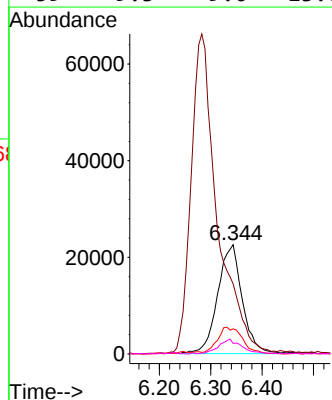
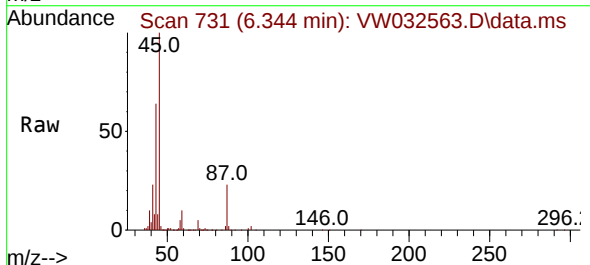
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

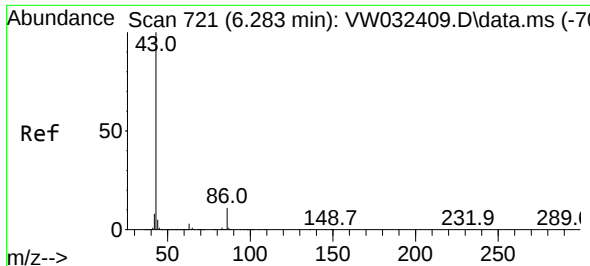
Tgt Ion: 96 Resp: 25514
Ion Ratio Lower Upper
96 100
61 147.1 111.0 166.4
98 58.5 48.4 72.6



#22
Diisopropyl ether
Concen: 4.728 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 45 Resp: 74374
Ion Ratio Lower Upper
45 100
43 61.2 44.5 66.7
87 22.7 19.7 29.5
59 9.3 9.0 13.6

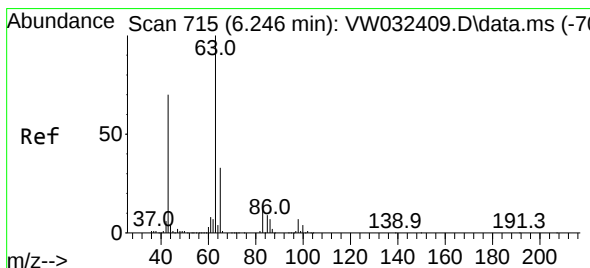
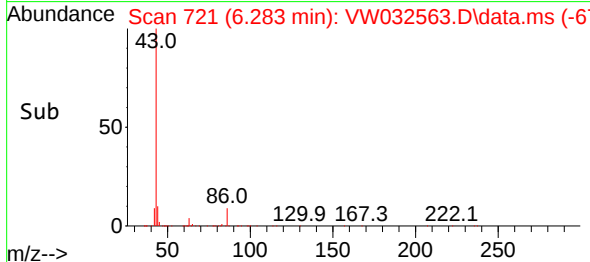
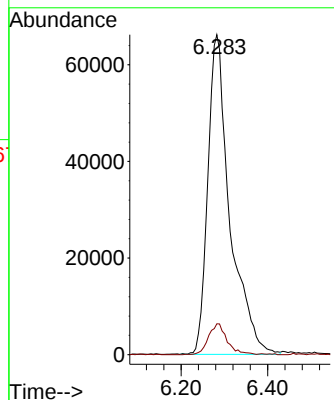
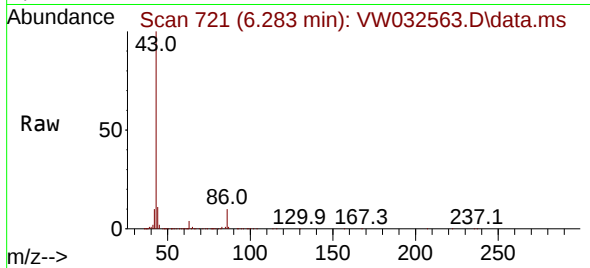




#23
 Vinyl Acetate
 Concen: 22.491 ug/l
 RT: 6.283 min Scan# 713
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

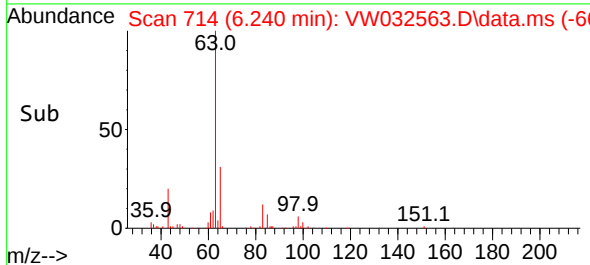
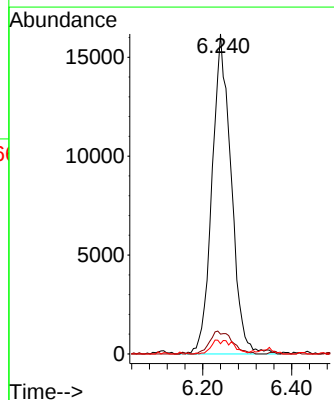
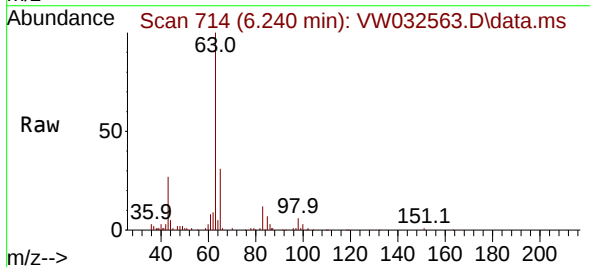
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

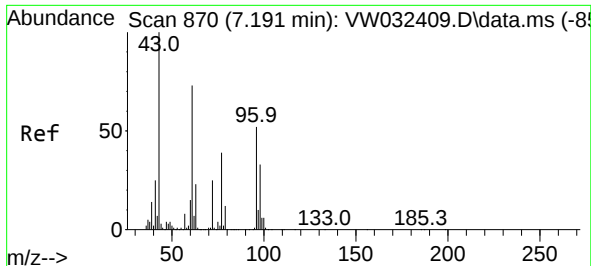
Tgt Ion: 43 Resp: 234445
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 5.304 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

Tgt Ion: 63 Resp: 48443
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.4 10.2
 100 2.6 2.3 6.8

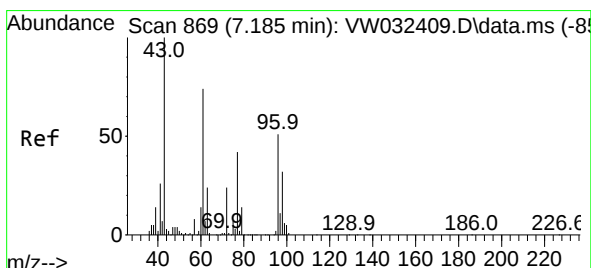
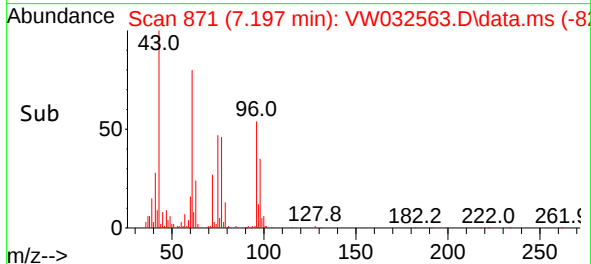
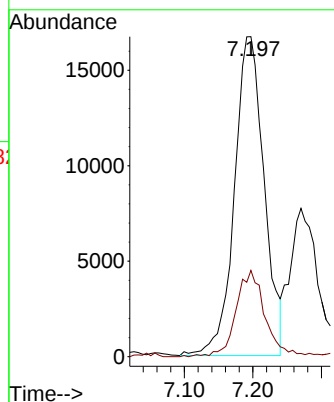
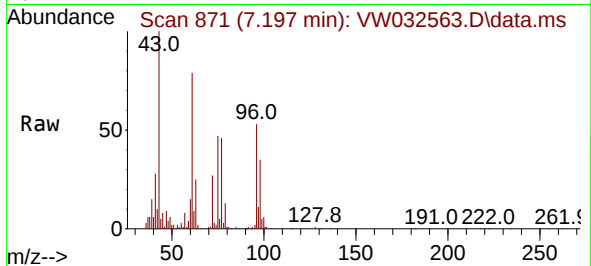




#25
2-Butanone
Concen: 25.022 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

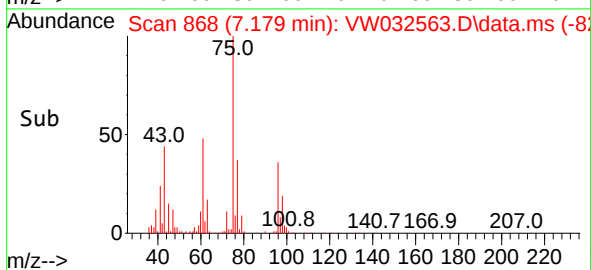
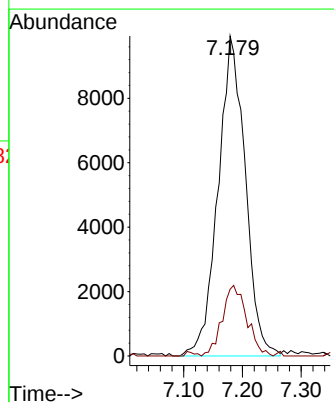
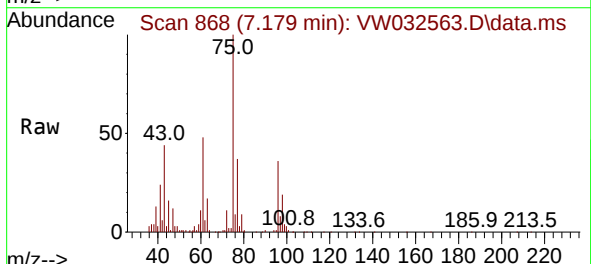
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

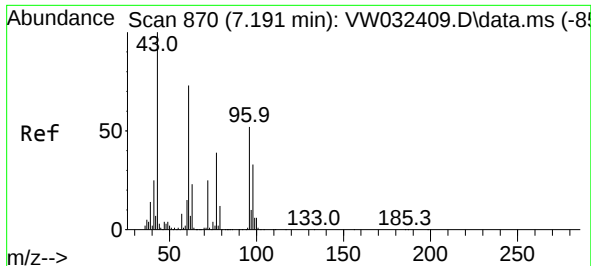
Tgt Ion: 43 Resp: 50415
Ion Ratio Lower Upper
43 100
72 27.0 19.7 29.5



#26
2,2-Dichloropropane
Concen: 6.035 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 77 Resp: 31952
Ion Ratio Lower Upper
77 100
97 19.9 11.6 34.7



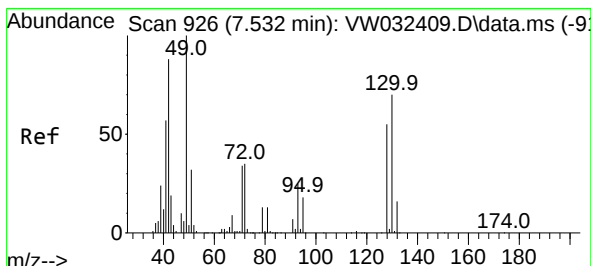
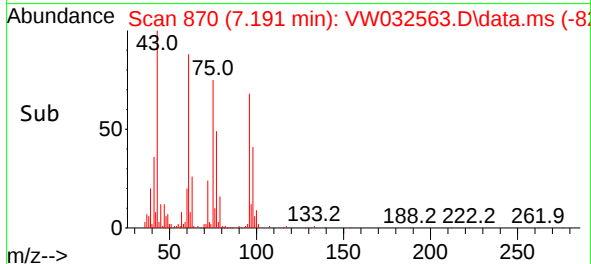
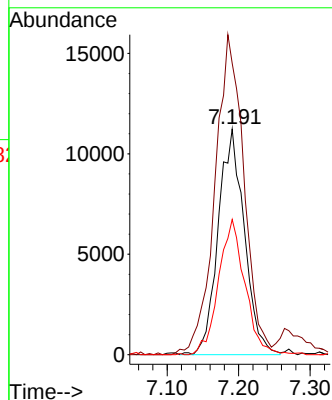
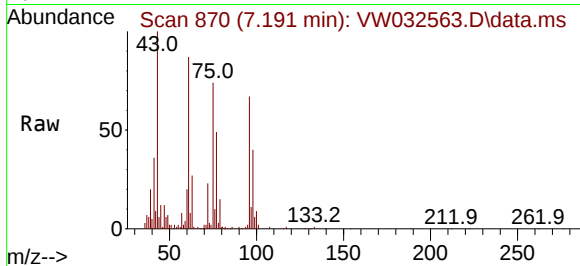


#27
 cis-1,2-Dichloroethene
 Concen: 5.201 ug/l
 RT: 7.191 min Scan# 870
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 28489

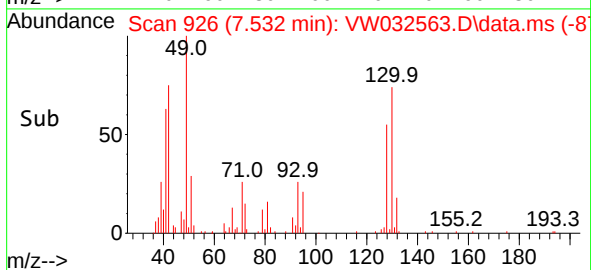
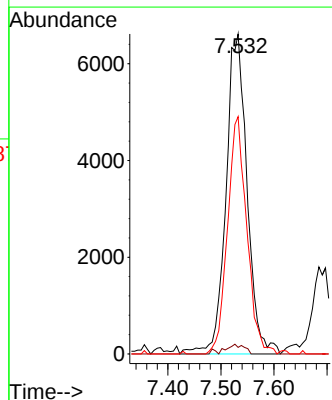
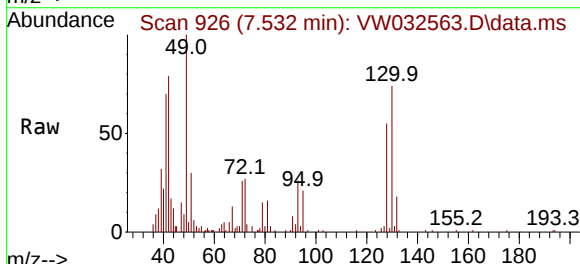
Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	298.6
98	60.8	0.0	129.2

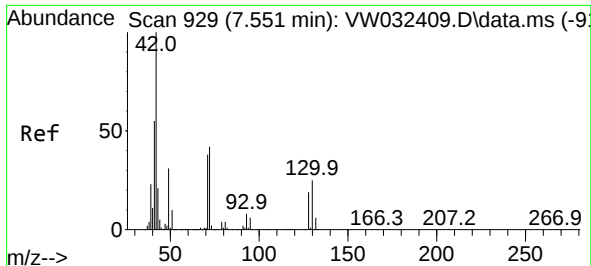


#28
 Bromochloromethane
 Concen: 4.461 ug/l
 RT: 7.532 min Scan# 926
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

Tgt Ion: 49 Resp: 18303

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.6
130	67.7	54.1	81.1





#29

Tetrahydrofuran

Concen: 22.814 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

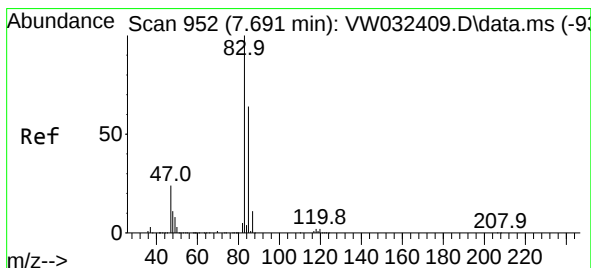
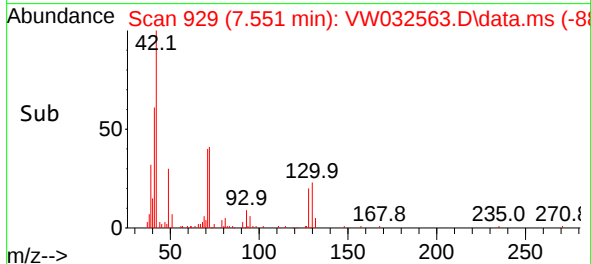
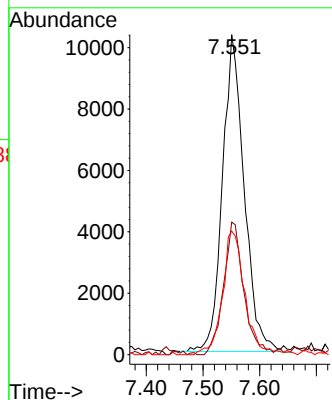
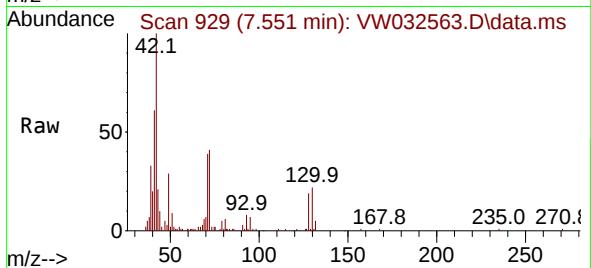
Tgt Ion: 42 Resp: 27445

Ion Ratio Lower Upper

42 100

72 38.9 32.4 48.6

71 39.9 31.1 46.7



#30

Chloroform

Concen: 5.432 ug/l

RT: 7.697 min Scan# 953

Delta R.T. -0.000 min

Lab File: VW032563.D

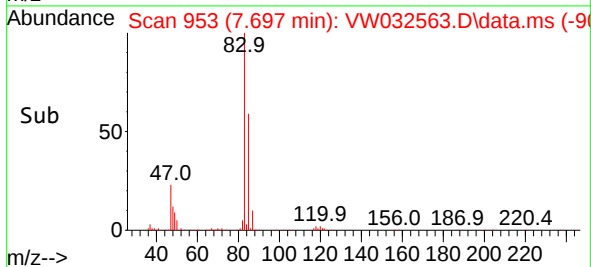
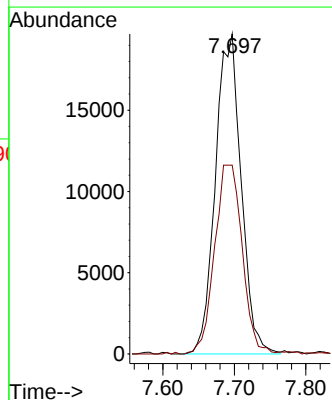
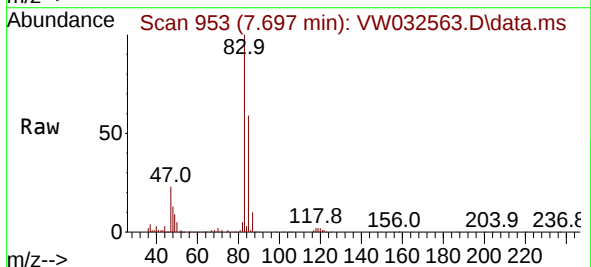
Acq: 03 Dec 2025 11:32

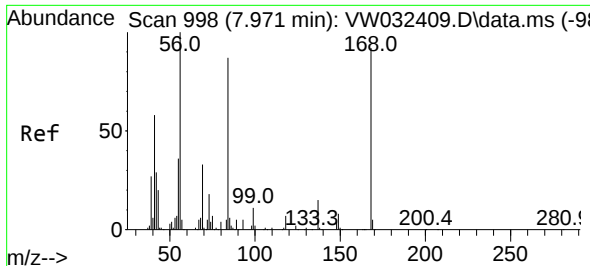
Tgt Ion: 83 Resp: 49239

Ion Ratio Lower Upper

83 100

85 59.0 53.1 79.7

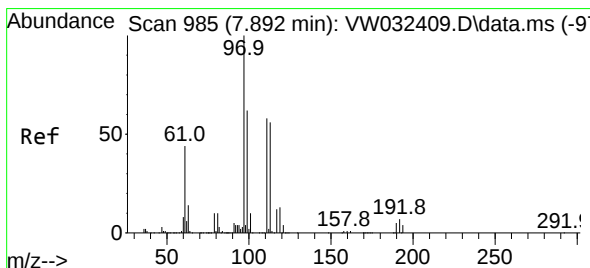
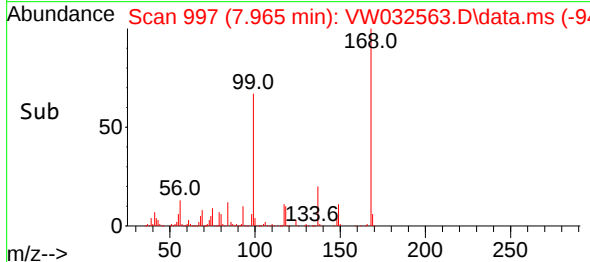
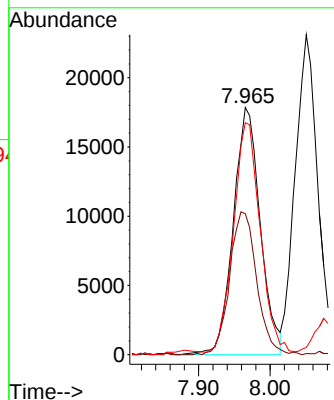
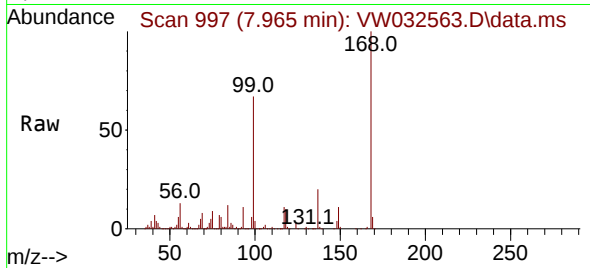




#31
Cyclohexane
Concen: 5.806 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

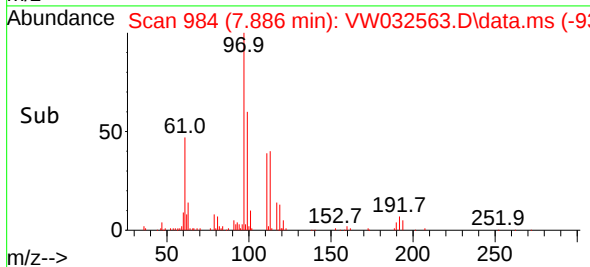
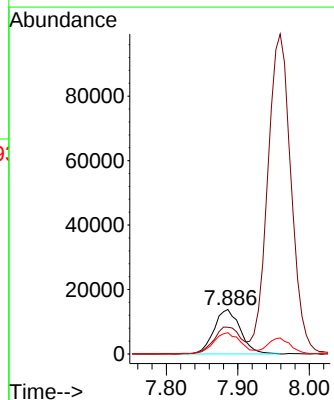
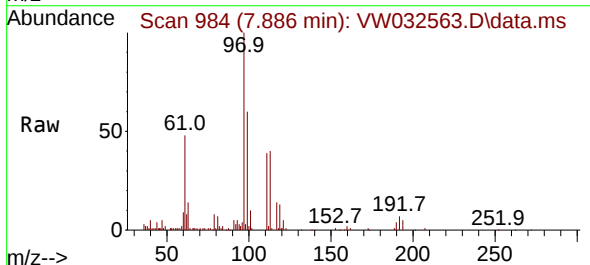
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

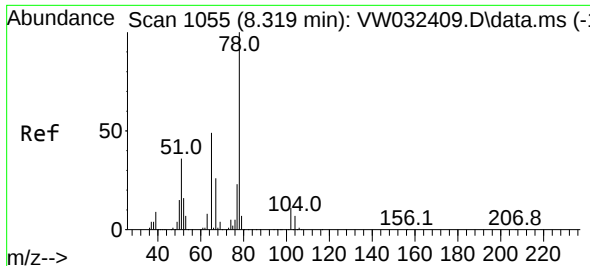
Tgt Ion: 56 Resp: 46760
Ion Ratio Lower Upper
56 100
69 56.4 27.3 40.9#
84 92.4 67.5 101.3



#32
1,1,1-Trichloroethane
Concen: 5.359 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 97 Resp: 35253
Ion Ratio Lower Upper
97 100
99 61.0 51.8 77.8
61 50.6 37.8 56.8

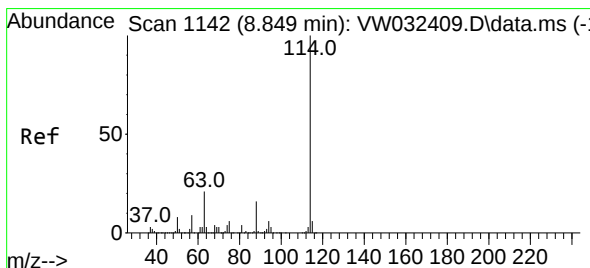
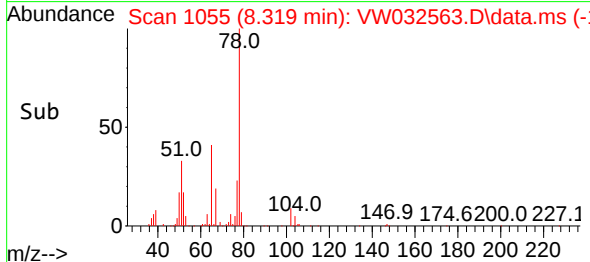
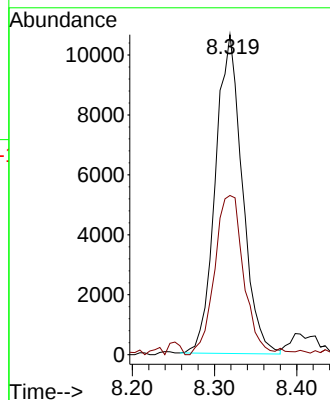
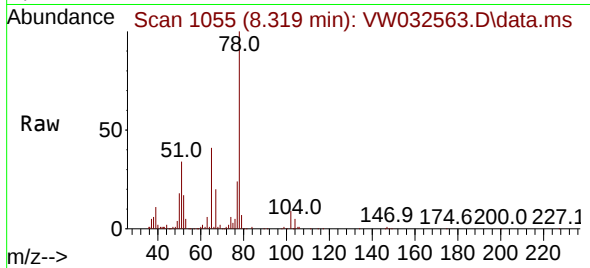




#33
 1,2-Dichloroethane-d4
 Concen: 4.806 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

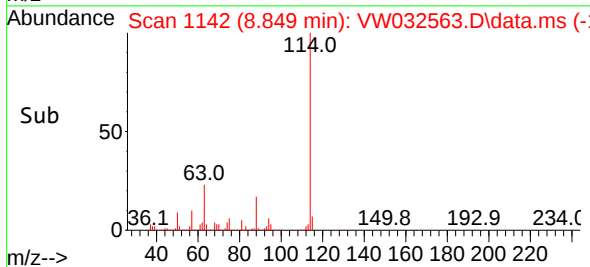
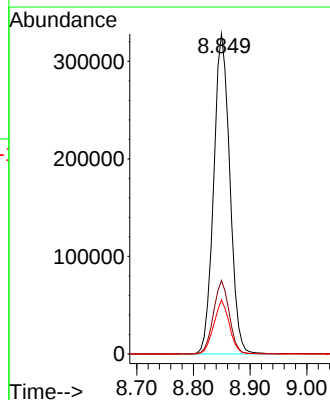
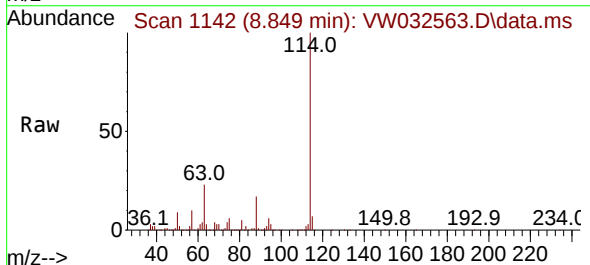
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

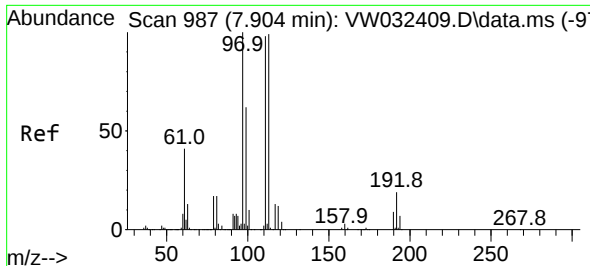
Tgt Ion: 65 Resp: 24146
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

Tgt Ion: 114 Resp: 647768
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 40.6
 88 16.9 0.0 31.2

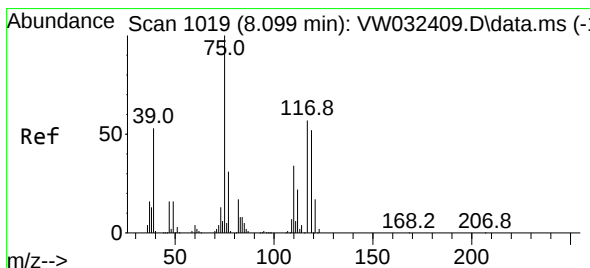
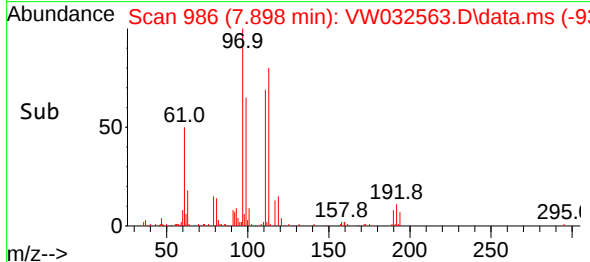
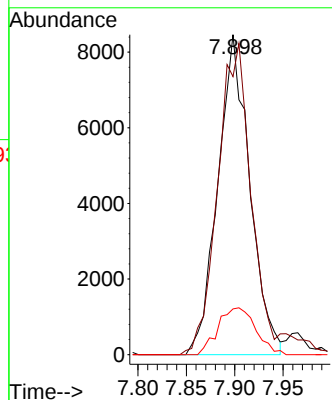
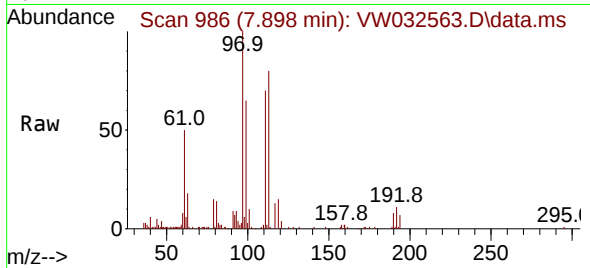




#35
 Dibromofluoromethane
 Concen: 4.553 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

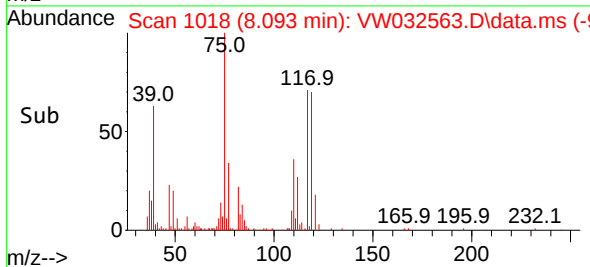
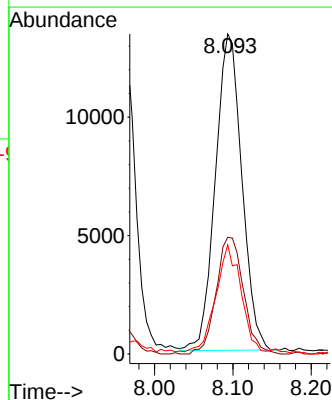
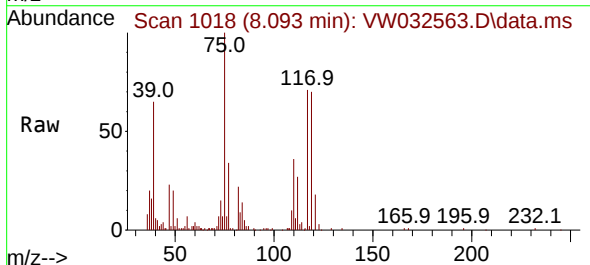
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

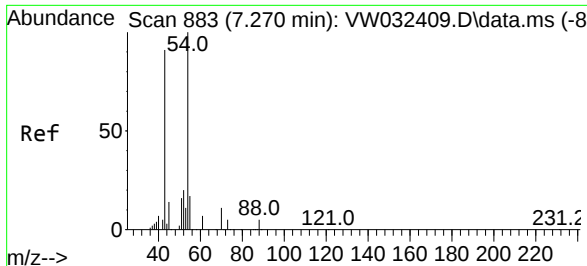
Tgt Ion:113 Resp: 19409
 Ion Ratio Lower Upper
 113 100
 111 106.4 83.4 125.0
 192 17.3 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 8.093 min Scan# 1018
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

Tgt Ion: 75 Resp: 31409
 Ion Ratio Lower Upper
 75 100
 110 38.0 16.9 50.6
 77 31.5 24.6 37.0



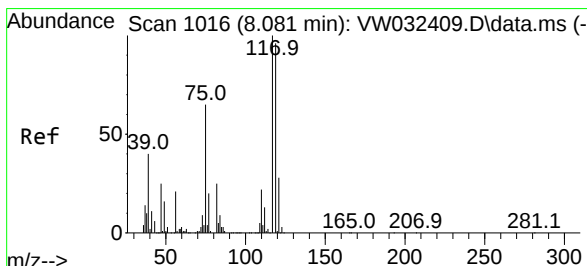
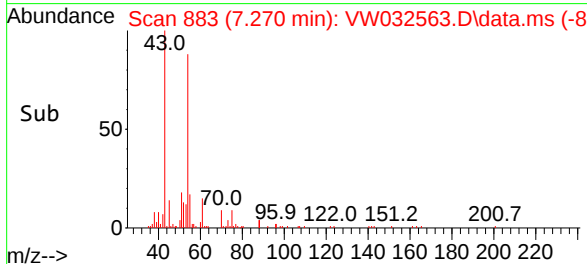
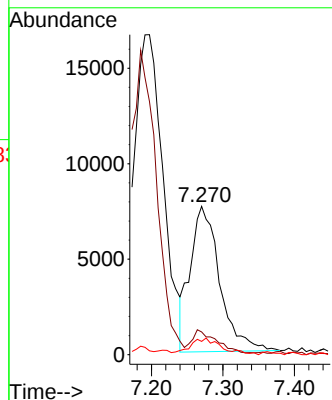
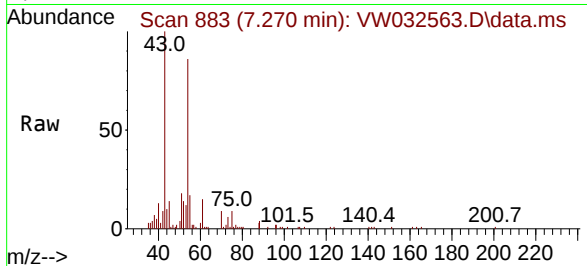


#37
Ethyl Acetate
Concen: 4.874 ug/l
RT: 7.270 min Scan# 883
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 21929

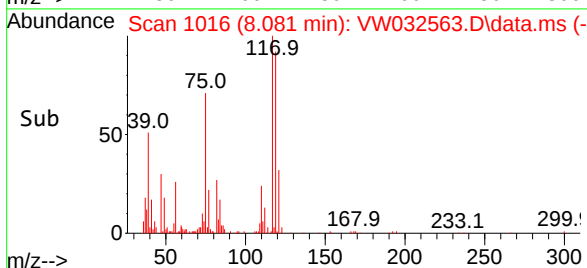
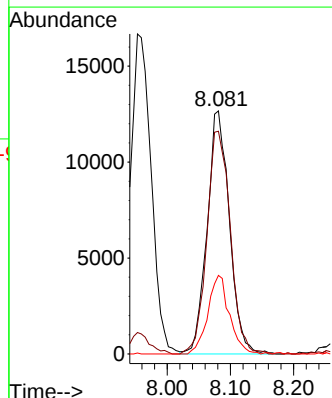
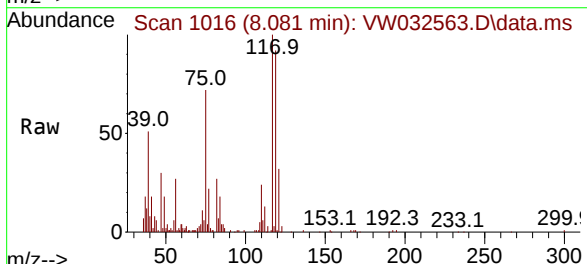
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	16.0
70	8.3	7.9	11.9

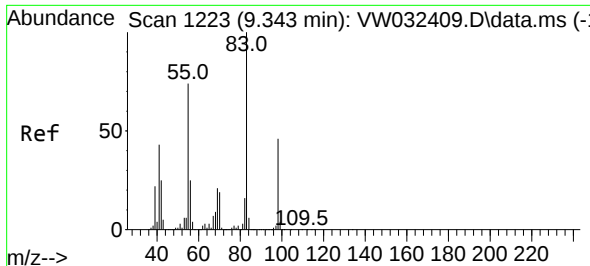


#38
Carbon Tetrachloride
Concen: 5.139 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 117 Resp: 31041

Ion	Ratio	Lower	Upper
117	100		
119	91.7	76.9	115.3
121	32.4	25.4	38.2

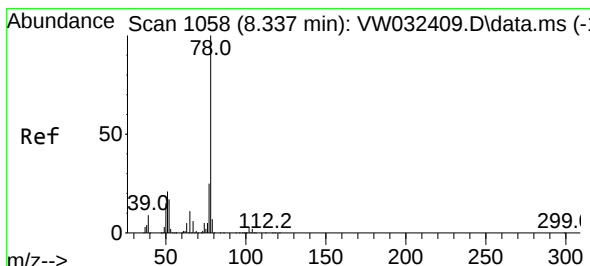
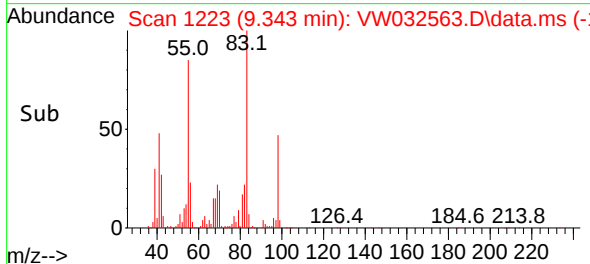
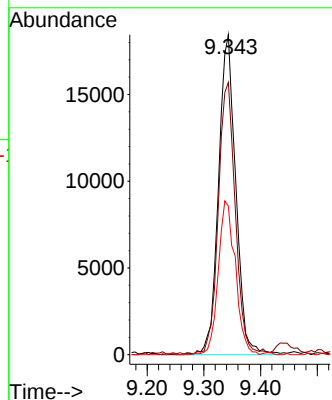
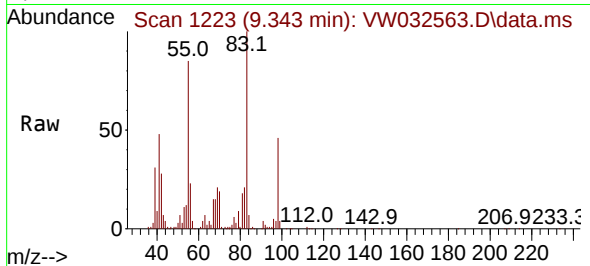




#39
Methylcyclohexane
Concen: 4.900 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

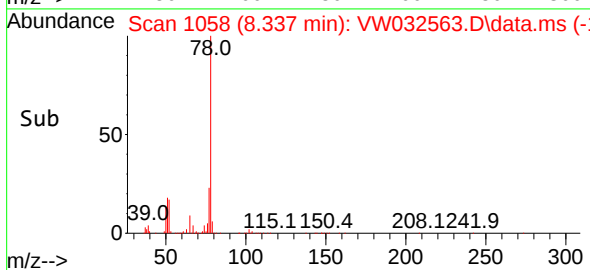
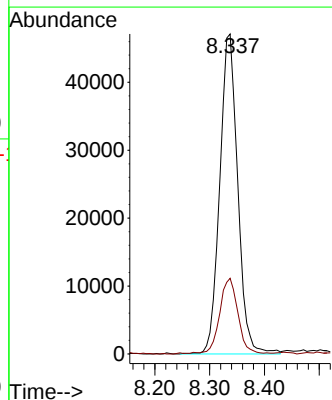
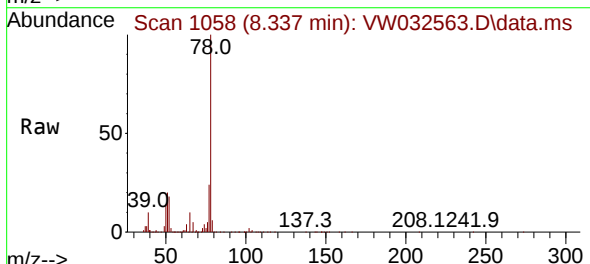
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

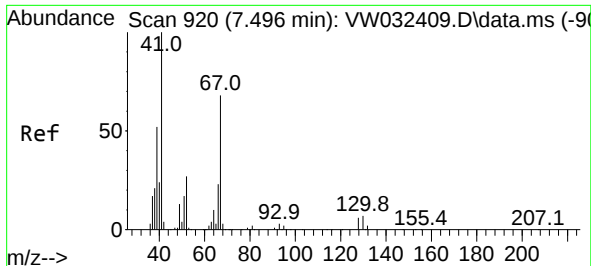
Tgt Ion: 83 Resp: 38904
Ion Ratio Lower Upper
83 100
55 84.5 64.9 97.3
98 46.5 36.2 54.4



#40
Benzene
Concen: 5.187 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 78 Resp: 107478
Ion Ratio Lower Upper
78 100
77 23.3 20.0 30.0

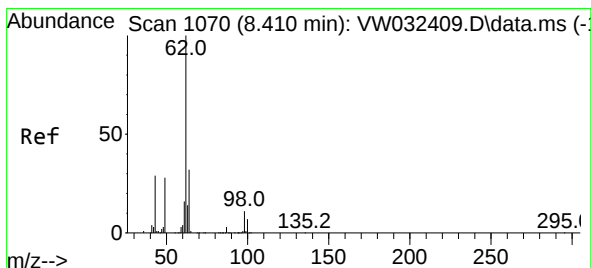
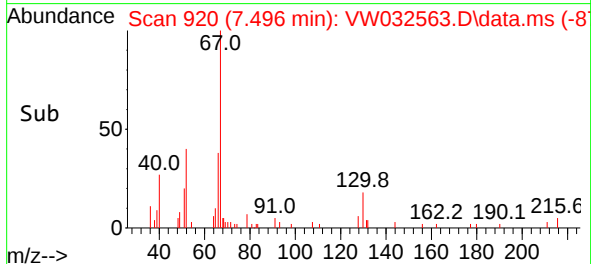
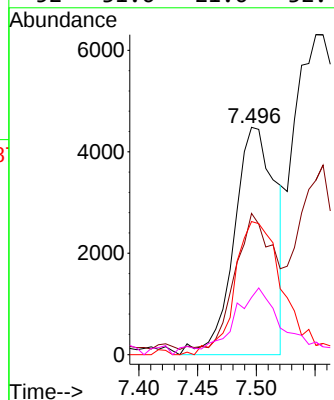
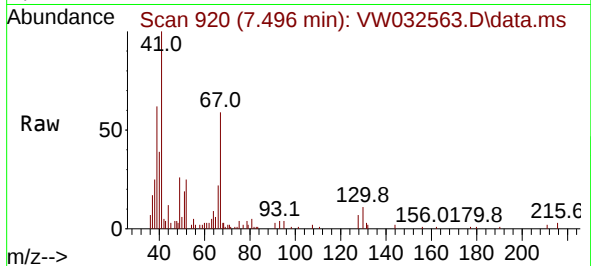




#41
Methacrylonitrile
Concen: 4.515 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

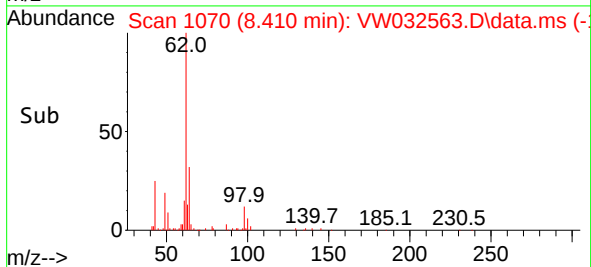
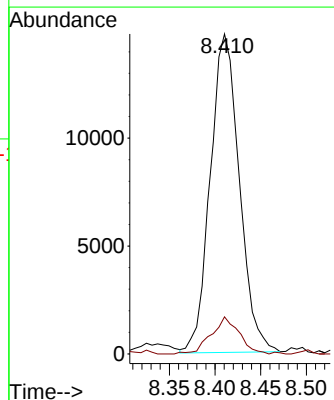
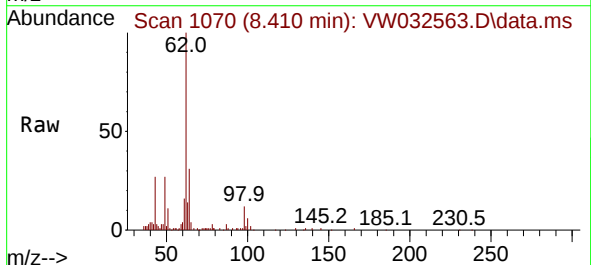
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

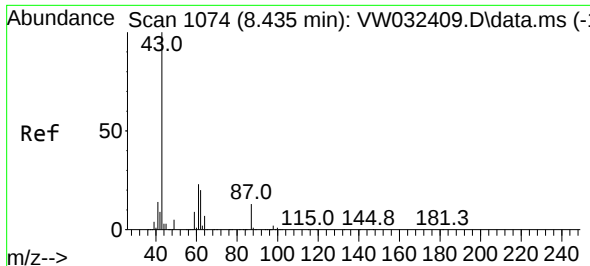
Tgt Ion: 41	Resp: 10993
Ion Ratio	Lower Upper
41 100	
39 53.7	38.5 57.7
67 68.6	49.8 74.6
52 31.6	21.6 32.4



#42
1,2-Dichloroethane
Concen: 5.141 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 62	Resp: 32662
Ion Ratio	Lower Upper
62 100	
98 11.2	0.0 19.0

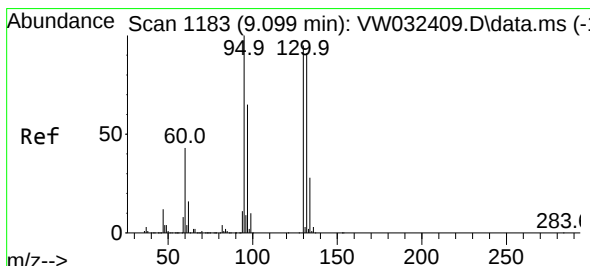
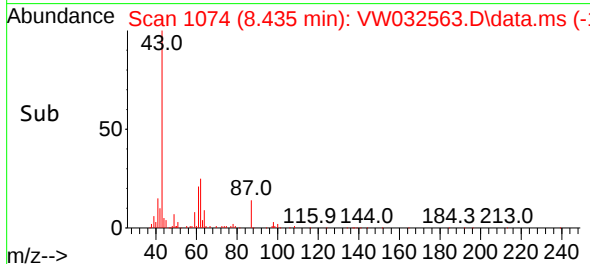
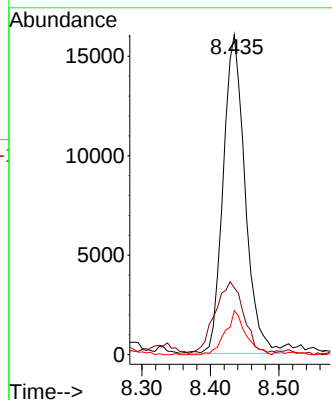
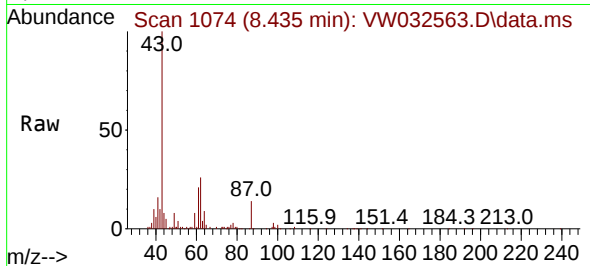




#43
Isopropyl Acetate
Concen: 4.587 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

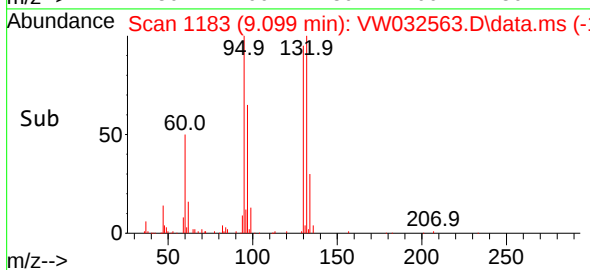
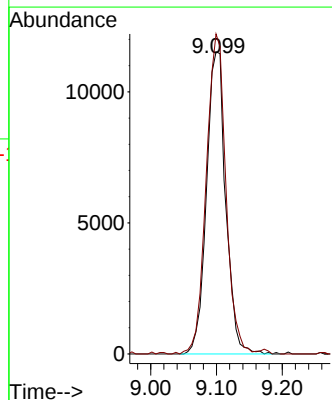
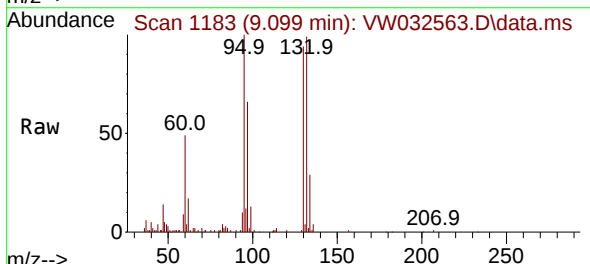
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

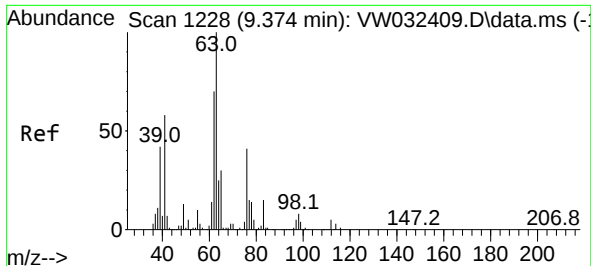
Tgt Ion: 43 Resp: 35474
Ion Ratio Lower Upper
43 100
61 29.8 22.3 33.5
87 12.8 9.9 14.9



#44
Trichloroethene
Concen: 5.078 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 130 Resp: 23517
Ion Ratio Lower Upper
130 100
95 105.9 0.0 190.4





#45

1,2-Dichloropropane

Concen: 5.074 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

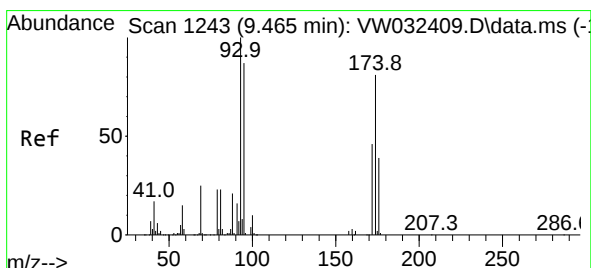
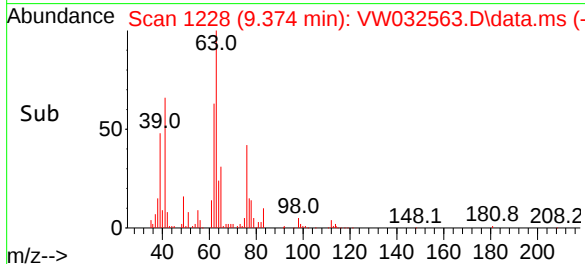
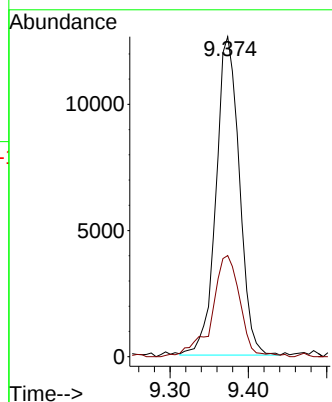
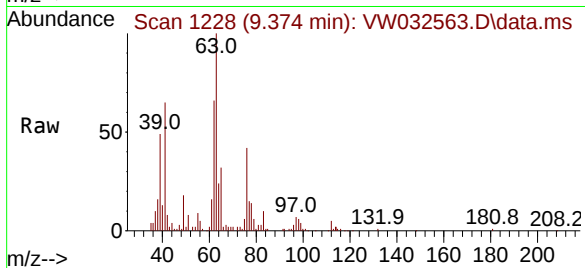
VSTDIC005

Tgt Ion: 63 Resp: 26115

Ion Ratio Lower Upper

63 100

65 31.3 26.5 39.7



#46

Dibromomethane

Concen: 5.123 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

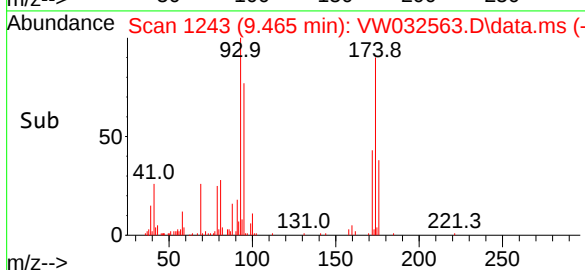
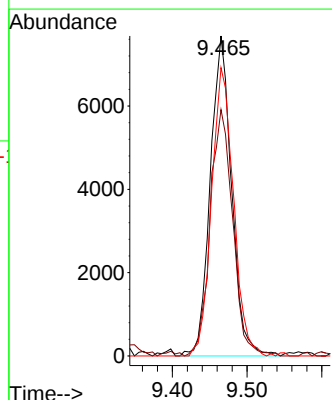
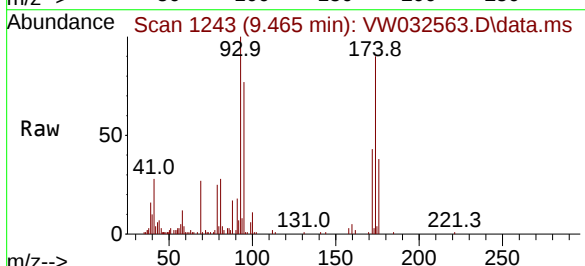
Tgt Ion: 93 Resp: 15246

Ion Ratio Lower Upper

93 100

95 81.3 66.4 99.6

174 92.2 65.3 97.9

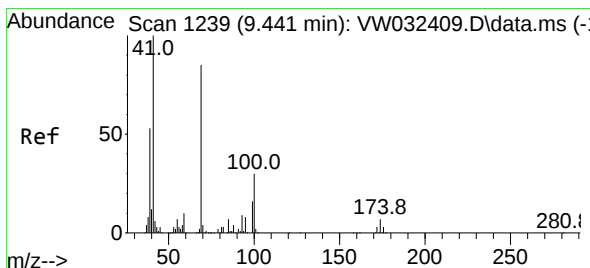
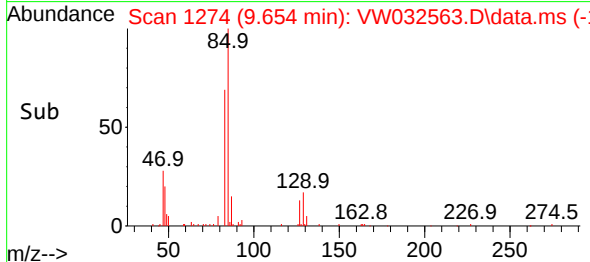
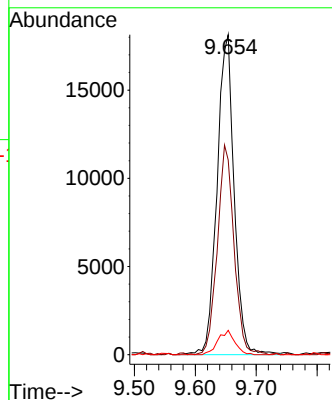
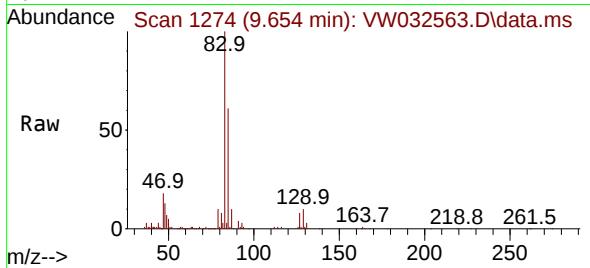




#47
Bromodichloromethane
Concen: 5.068 ug/l
RT: 9.654 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

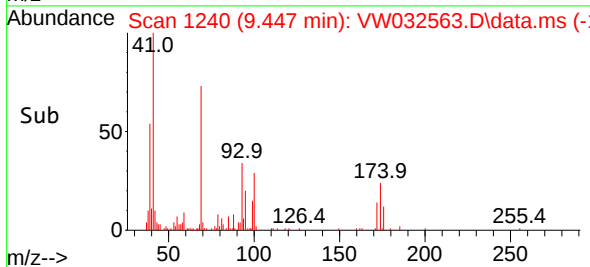
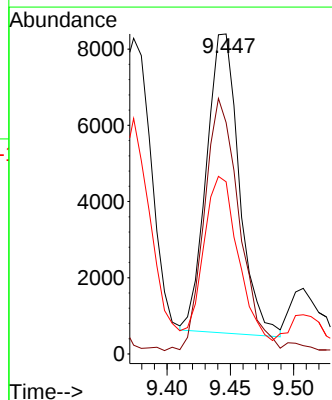
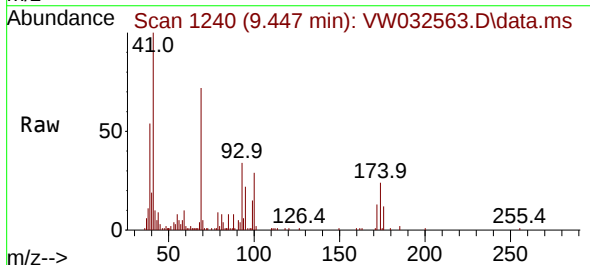
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

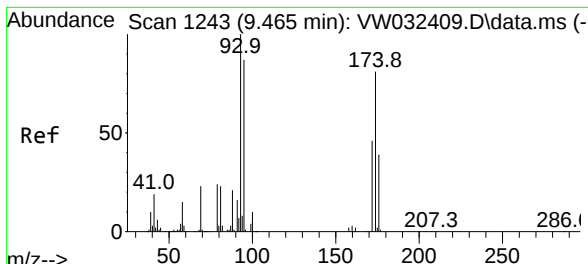
Tgt Ion: 83 Resp: 35354
Ion Ratio Lower Upper
83 100
85 60.9 50.8 76.2
127 7.6 7.0 10.6



#48
Methyl methacrylate
Concen: 4.025 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 41 Resp: 14152
Ion Ratio Lower Upper
41 100
69 89.5 62.1 93.1
39 57.0 39.1 58.7

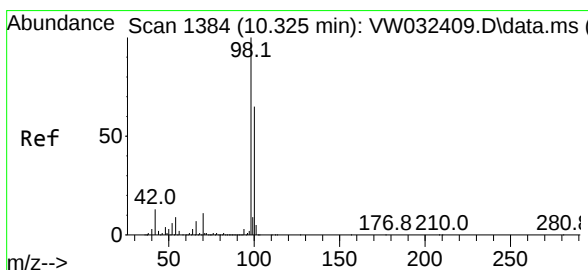
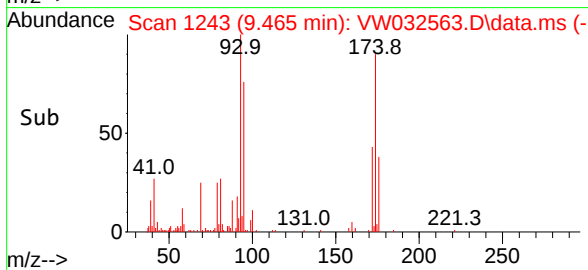
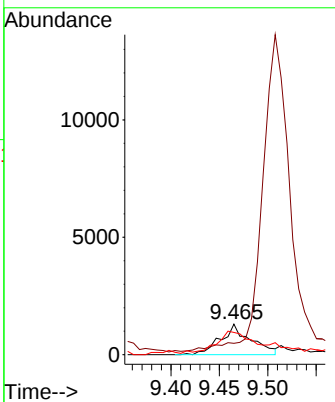
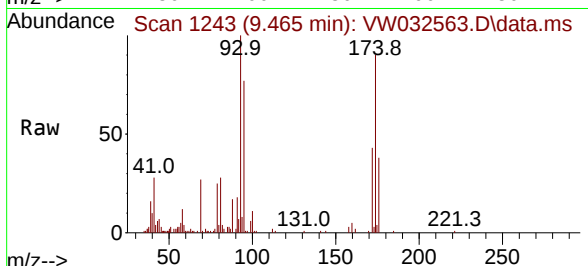




#49
 1,4-Dioxane
 Concen: 79.243 ug/l
 RT: 9.465 min Scan# 1243
 Delta R.T. 0.006 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

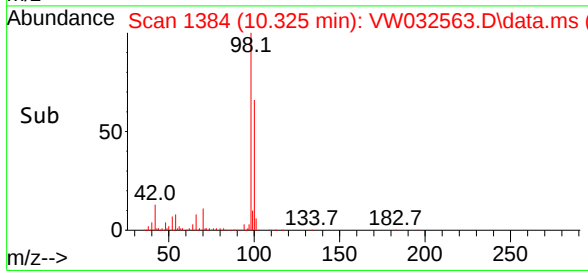
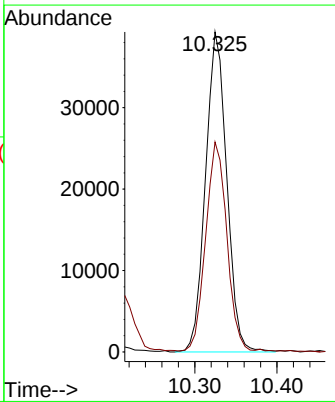
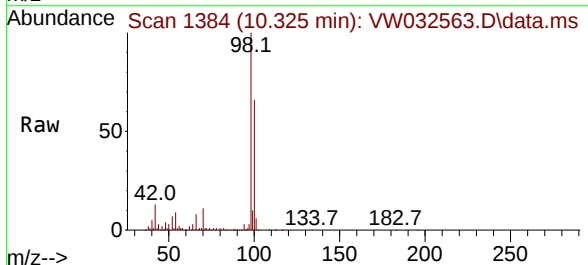
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

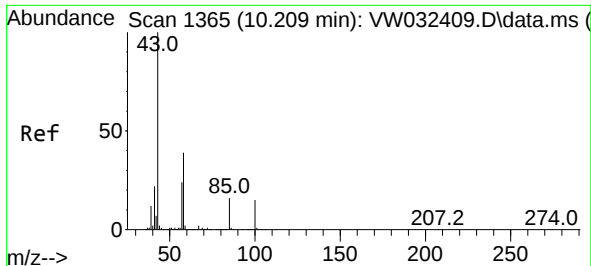
Tgt Ion:	88	Resp:	2818
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	82.0	65.2	97.8



#50
 Toluene-d8
 Concen: 4.395 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

Tgt Ion:	98	Resp:	70497
Ion Ratio	Lower	Upper	
98	100		
100	64.8	54.7	82.1





#51

4-Methyl-2-Pentanone

Concen: 22.658 ug/l

RT: 10.215 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

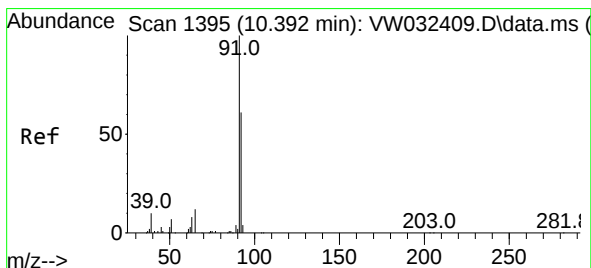
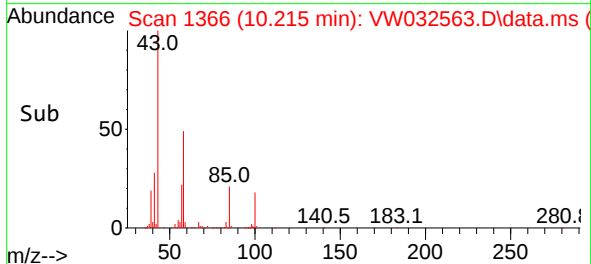
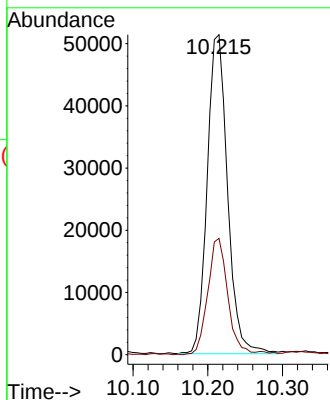
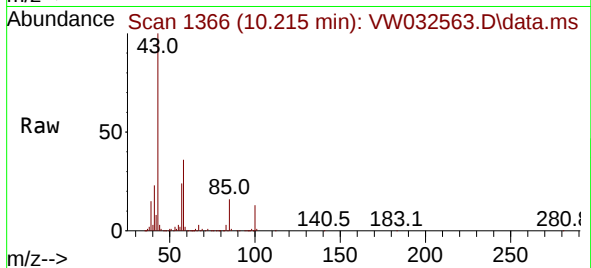
VSTDIC005

Tgt Ion: 43 Resp: 96966

Ion Ratio Lower Upper

43 100

58 35.7 30.5 45.7



#52

Toluene

Concen: 4.773 ug/l

RT: 10.392 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VW032563.D

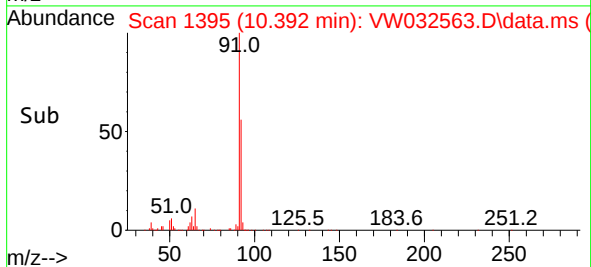
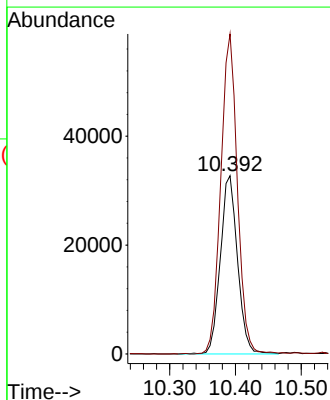
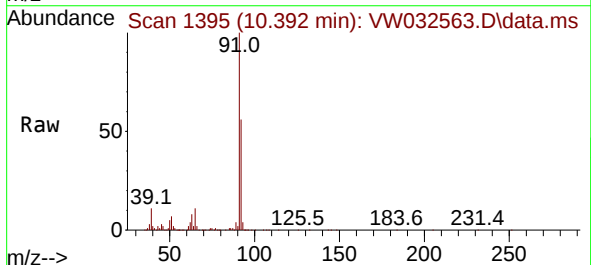
Acq: 03 Dec 2025 11:32

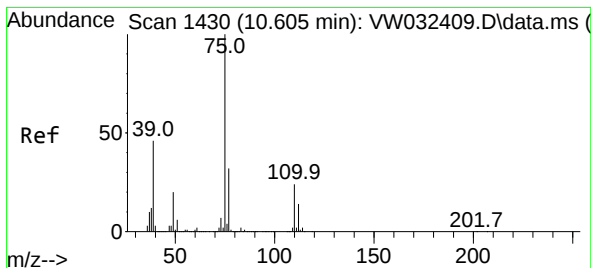
Tgt Ion: 92 Resp: 59584

Ion Ratio Lower Upper

92 100

91 173.8 138.6 207.8

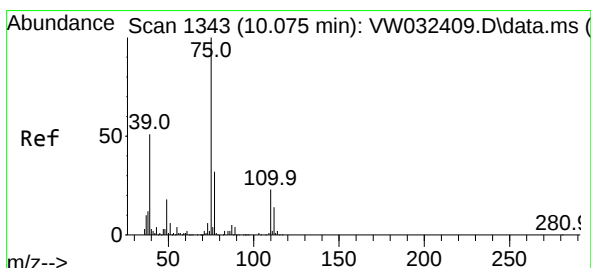
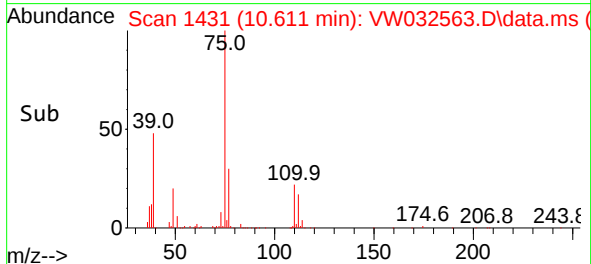
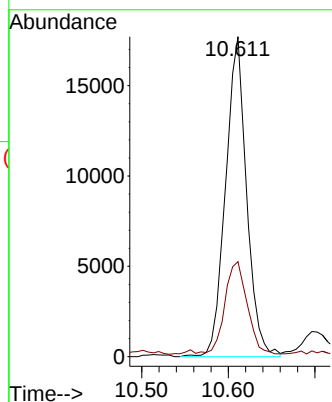
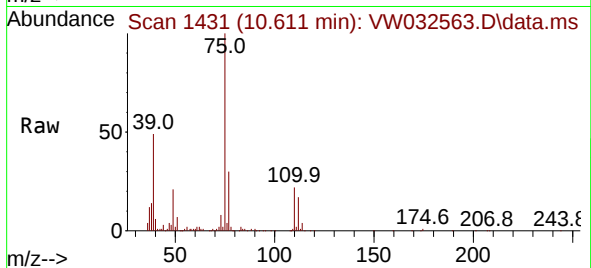




#53
t-1,3-Dichloropropene
Concen: 4.472 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

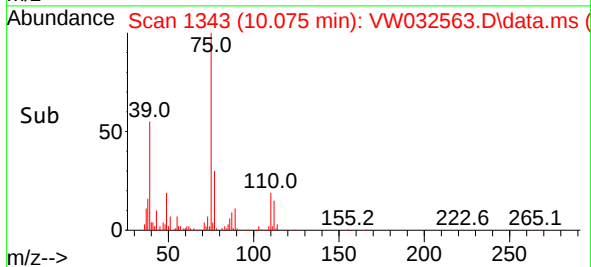
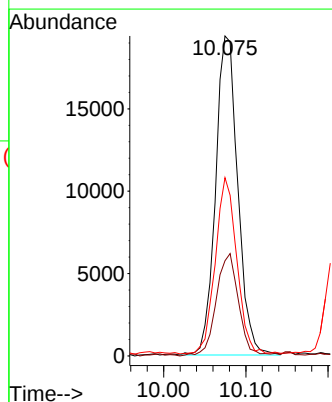
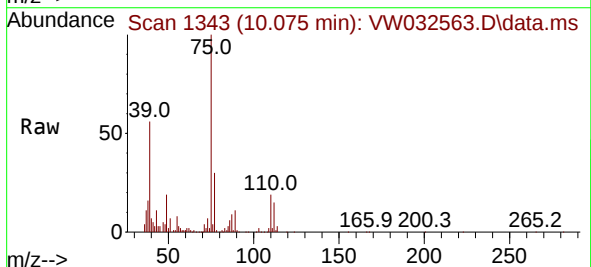
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

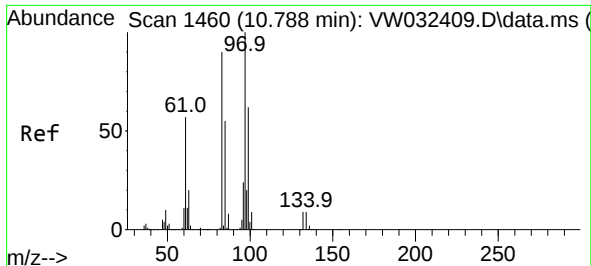
Tgt Ion: 75 Resp: 29929
Ion Ratio Lower Upper
75 100
77 28.8 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 4.640 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 75 Resp: 36436
Ion Ratio Lower Upper
75 100
77 29.8 26.5 39.7
39 55.2 42.9 64.3

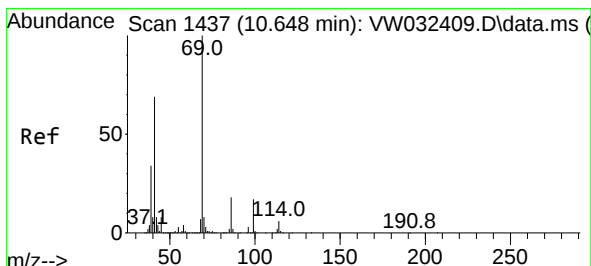
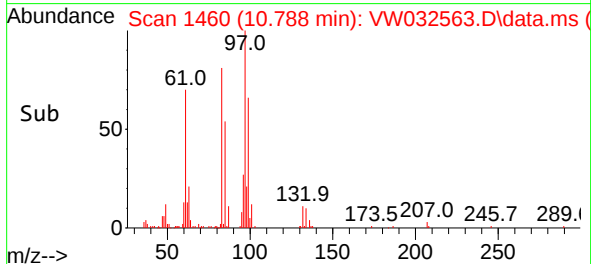
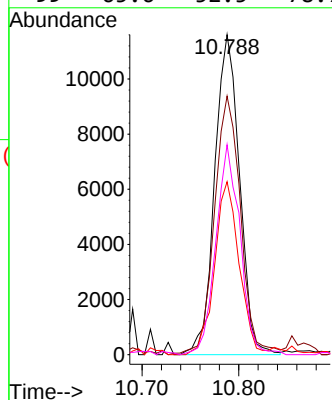
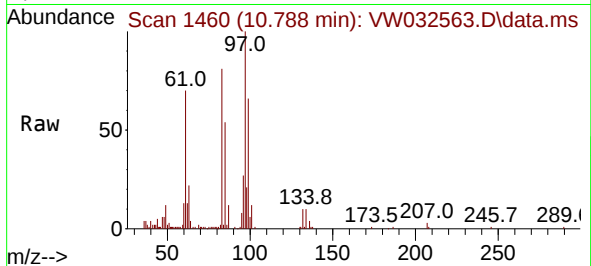




#55
1,1,2-Trichloroethane
Concen: 5.191 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

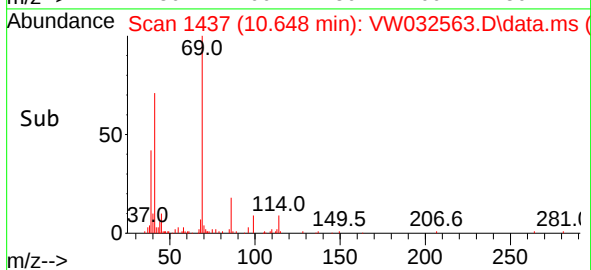
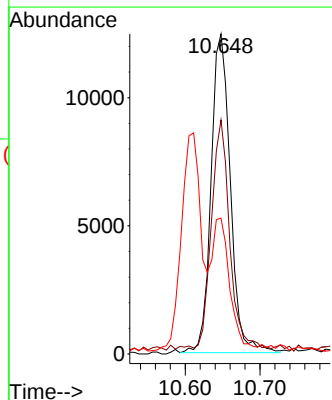
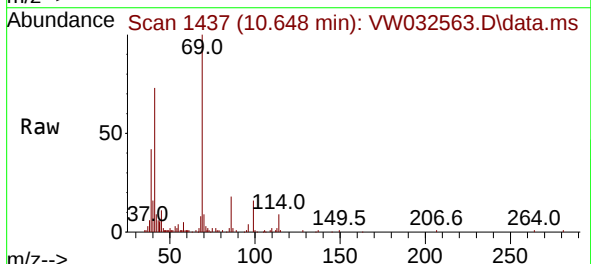
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:	97	Resp:	20691
Ion	Ratio	Lower	Upper
97	100		
83	79.8	76.3	114.5
85	54.1	46.1	69.1
99	65.6	52.5	78.7



#56
Ethyl methacrylate
Concen: 4.042 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion:	69	Resp:	22283
Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.2	84.4
39	36.2	26.9	40.3





#57

1,3-Dichloropropane

Concen: 4.899 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

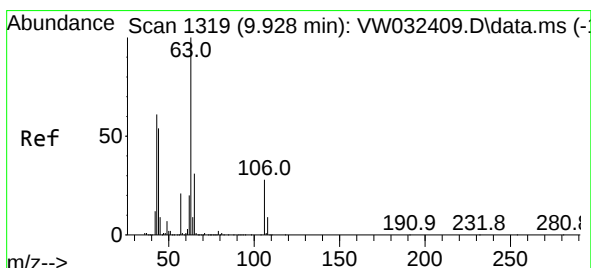
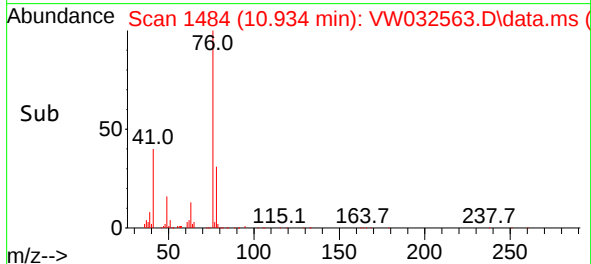
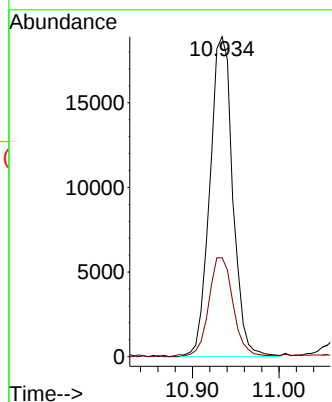
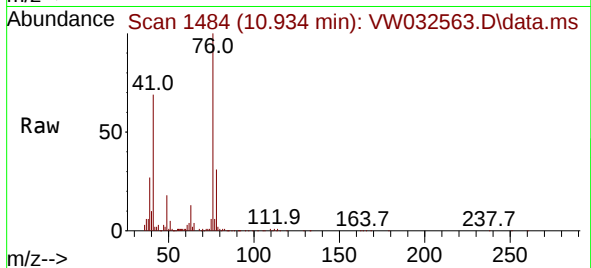
VSTDIC005

Tgt Ion: 76 Resp: 34854

Ion Ratio Lower Upper

76 100

78 33.0 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 20.196 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032563.D

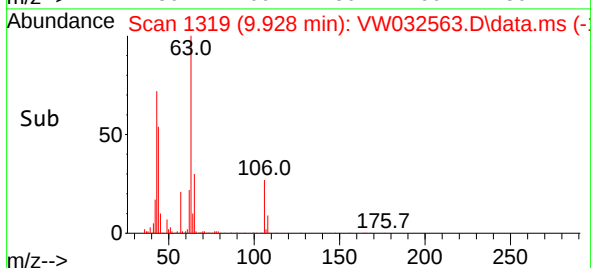
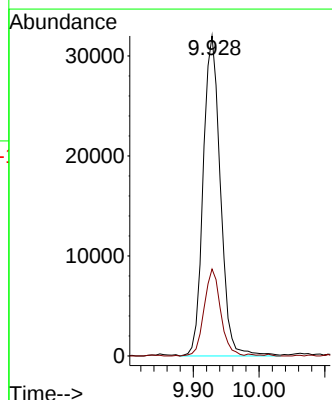
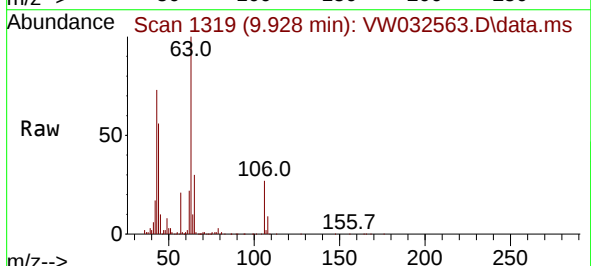
Acq: 03 Dec 2025 11:32

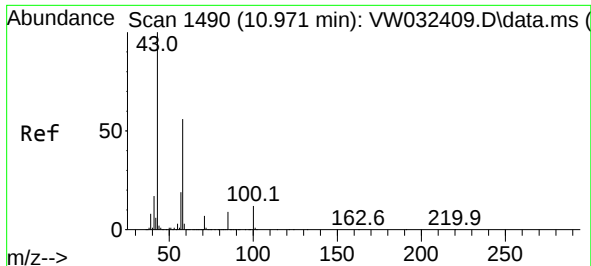
Tgt Ion: 63 Resp: 58334

Ion Ratio Lower Upper

63 100

106 26.0 21.5 32.3

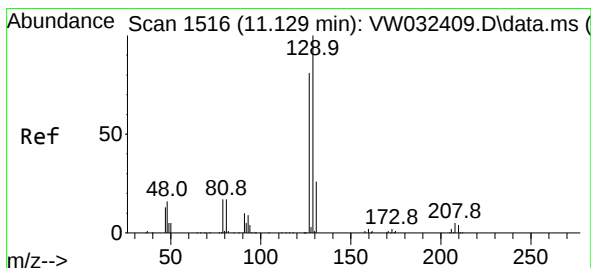
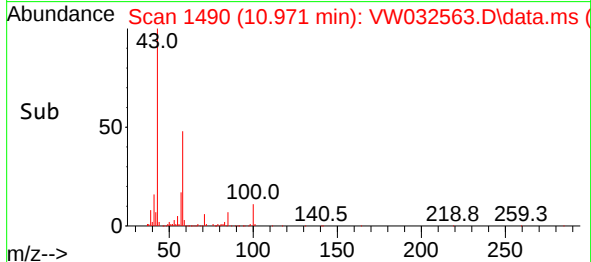
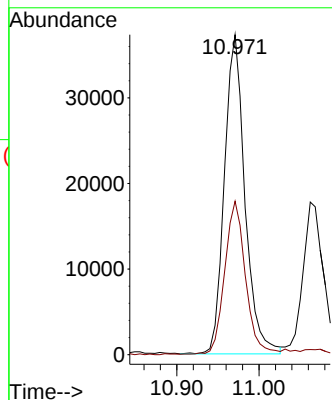
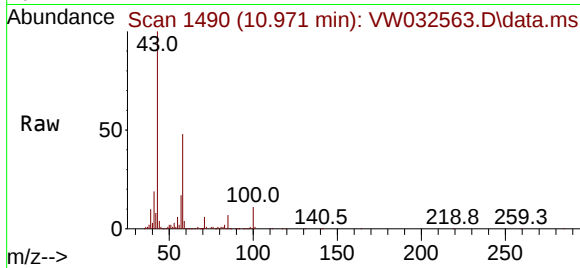




#59
2-Hexanone
Concen: 21.246 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

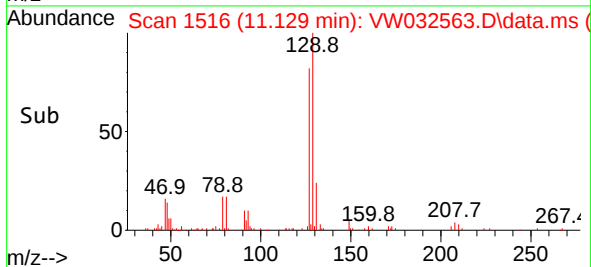
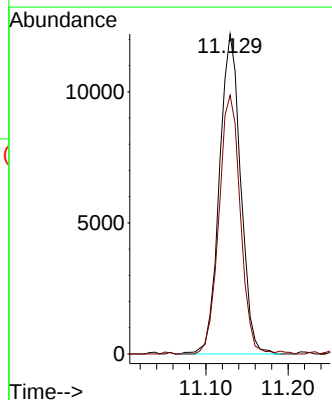
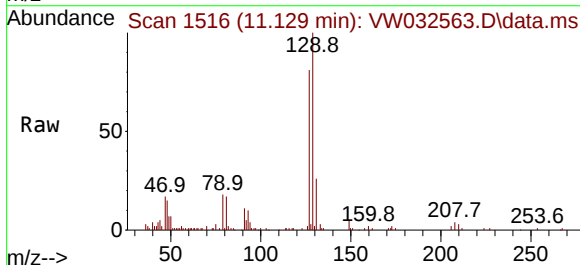
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

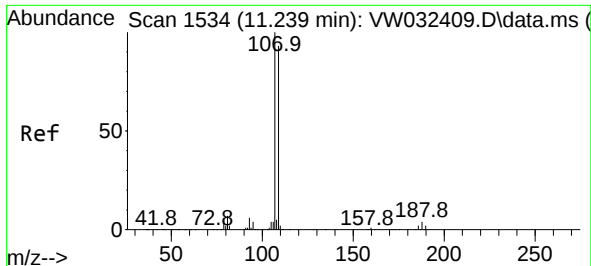
Tgt Ion: 43 Resp: 64754
Ion Ratio Lower Upper
43 100
58 48.4 26.2 78.6



#60
Dibromochloromethane
Concen: 4.915 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion:129 Resp: 21956
Ion Ratio Lower Upper
129 100
127 81.2 40.9 122.8

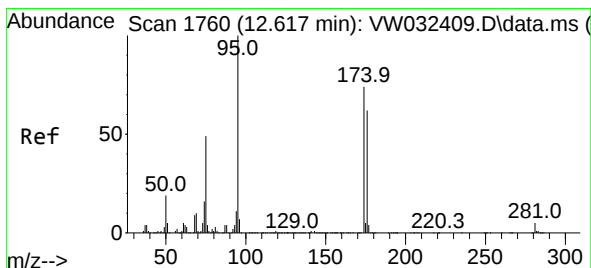
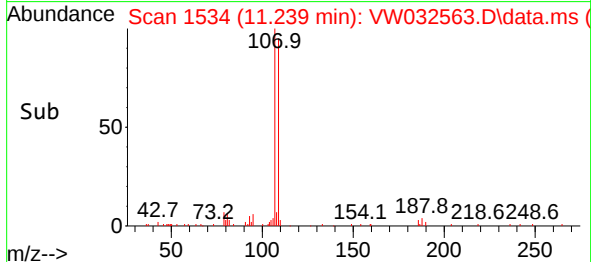
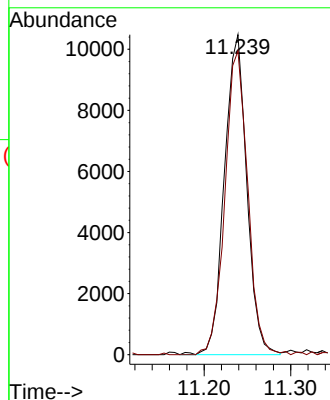
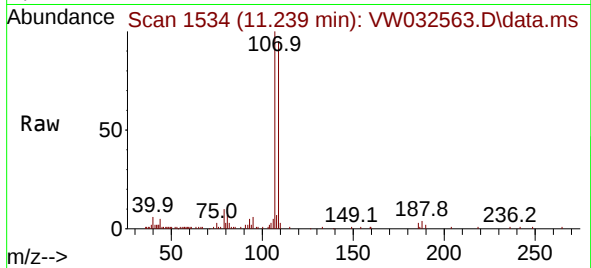




#61
1,2-Dibromoethane
Concen: 4.959 ug/l
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

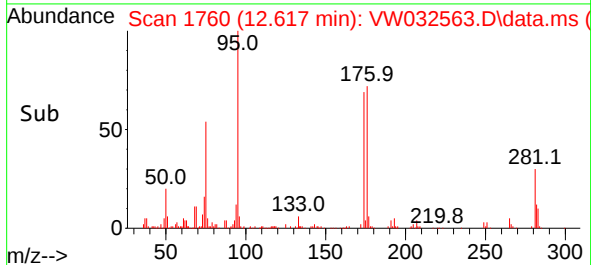
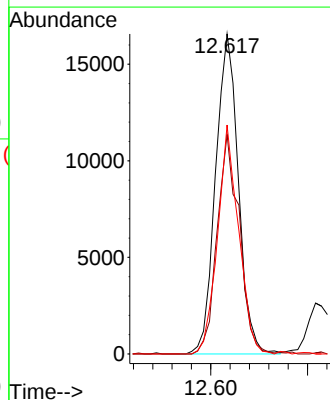
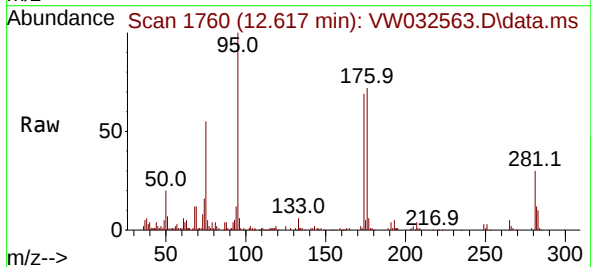
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

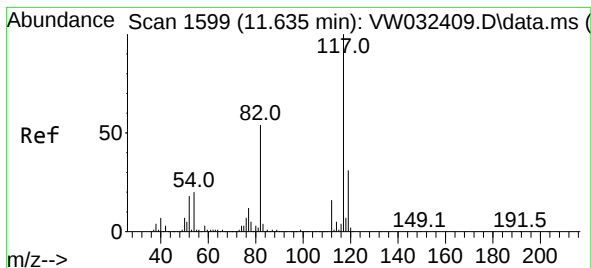
Tgt Ion:107 Resp: 18798
Ion Ratio Lower Upper
107 100
109 96.6 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 4.567 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 95 Resp: 27064
Ion Ratio Lower Upper
95 100
174 67.1 0.0 141.2
176 66.1 0.0 130.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC005

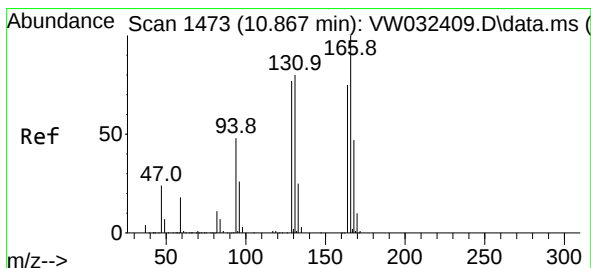
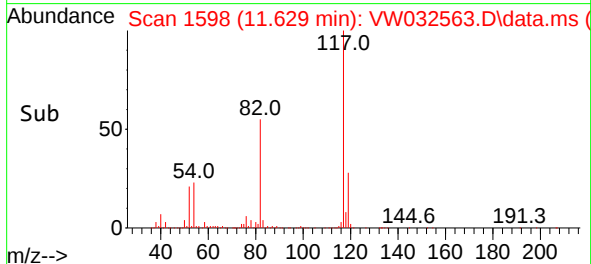
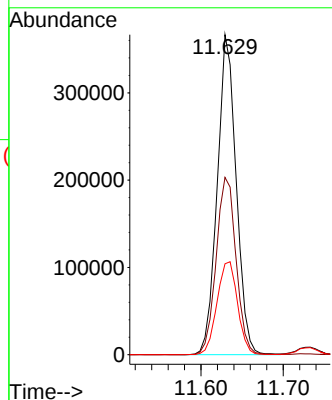
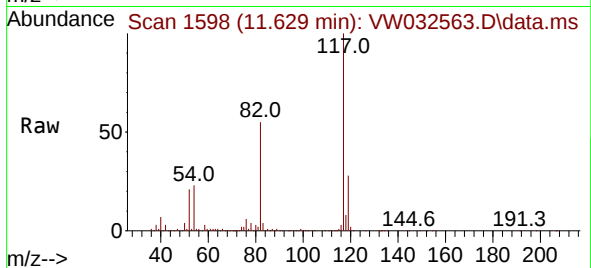
Tgt Ion:117 Resp: 587961

Ion Ratio Lower Upper

117 100

82 55.4 45.9 68.9

119 28.4 26.3 39.5



#64

Tetrachloroethene

Concen: 5.492 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Tgt Ion:164 Resp: 21537

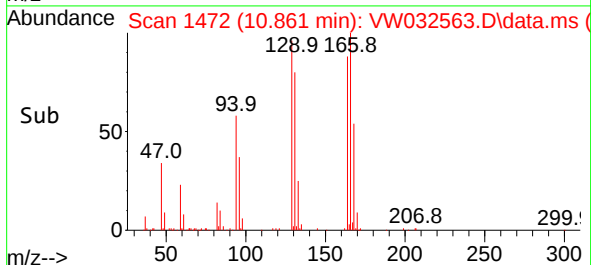
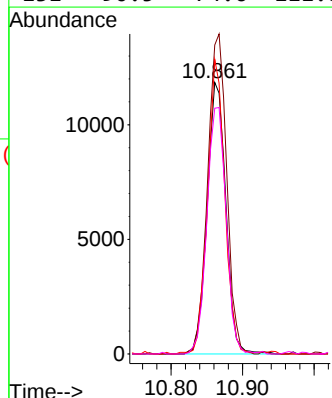
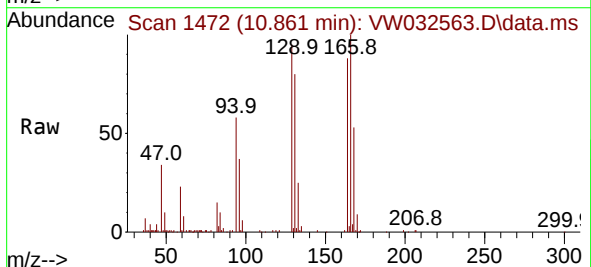
Ion Ratio Lower Upper

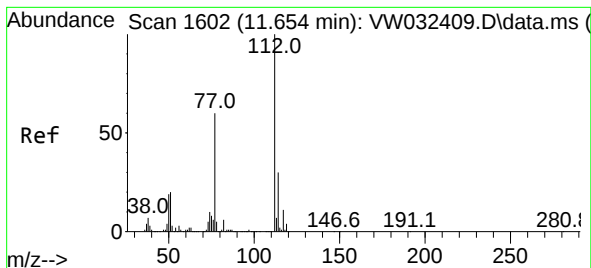
164 100

166 113.8 97.3 145.9

129 108.5 75.7 113.5

131 90.5 74.6 111.8

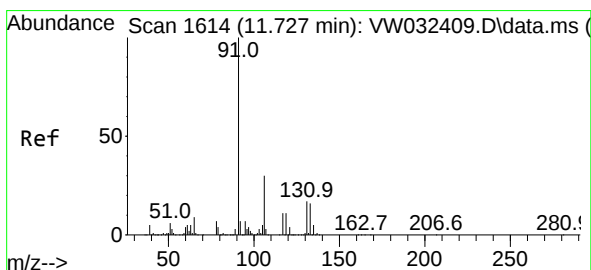
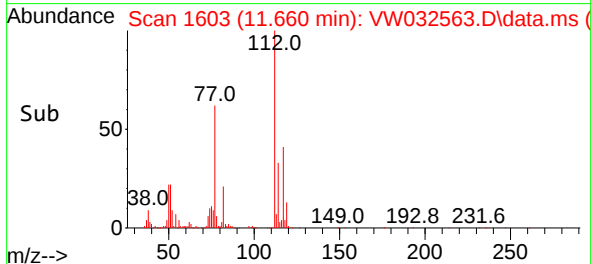
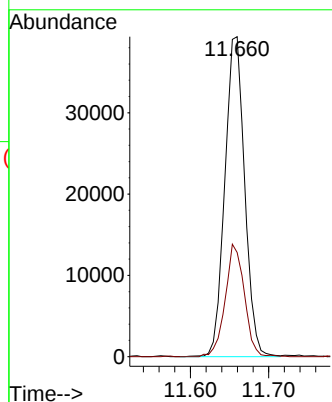
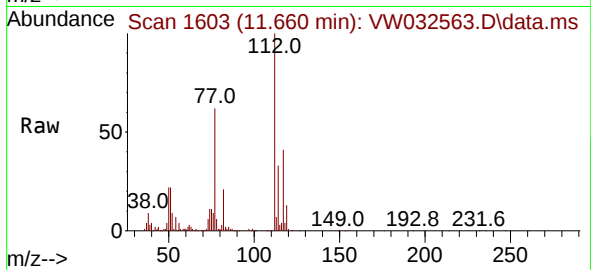




#65
Chlorobenzene
Concen: 4.993 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

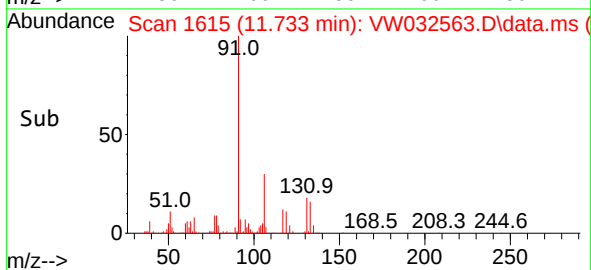
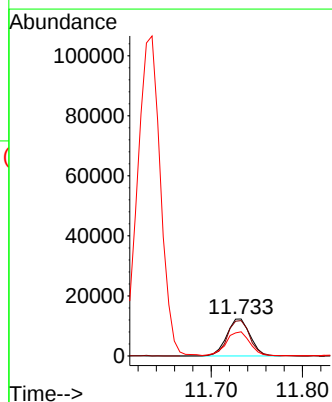
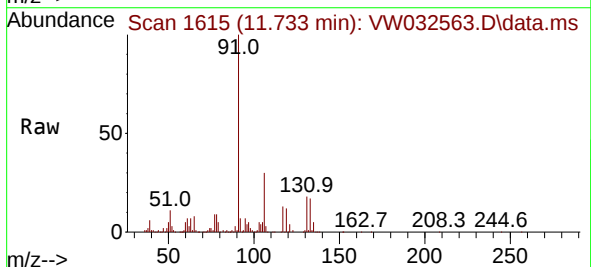
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

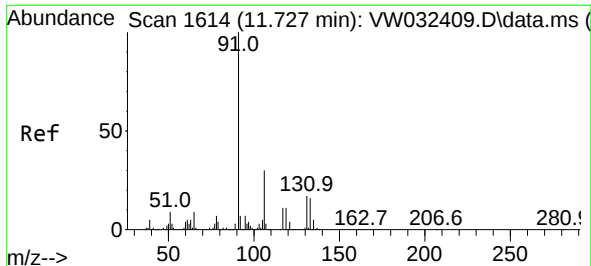
Tgt Ion:112 Resp: 69373
Ion Ratio Lower Upper
112 100
114 32.5 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.114 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion:131 Resp: 21976
Ion Ratio Lower Upper
131 100
133 93.5 47.4 142.3
119 65.8 32.2 96.6





#67

Ethyl Benzene

Concen: 4.735 ug/l

RT: 11.733 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

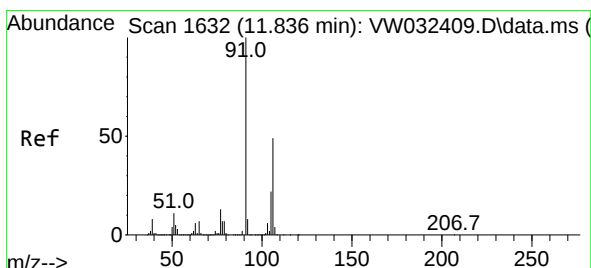
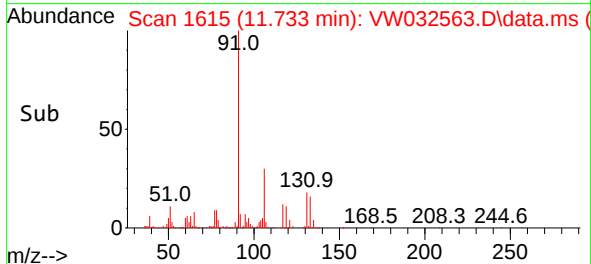
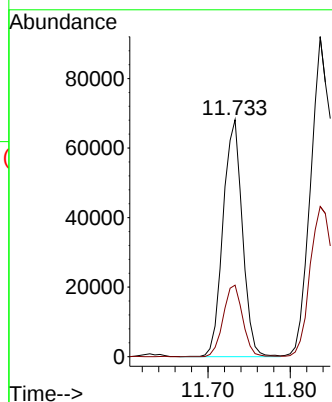
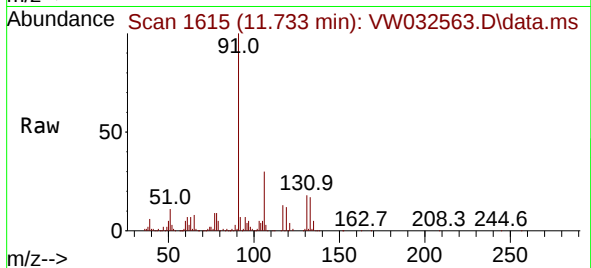
VSTDICC005

Tgt Ion: 91 Resp: 111660

Ion Ratio Lower Upper

91 100

106 30.2 23.0 34.6



#68

m/p-Xylenes

Concen: 9.338 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032563.D

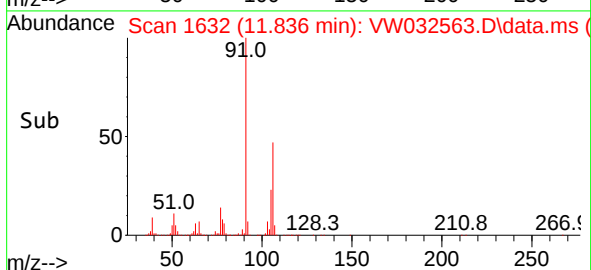
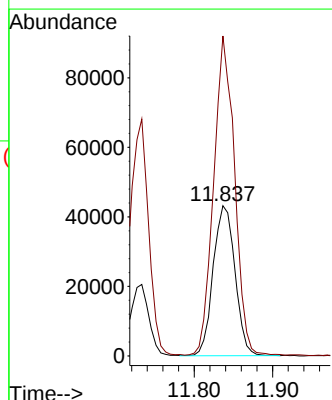
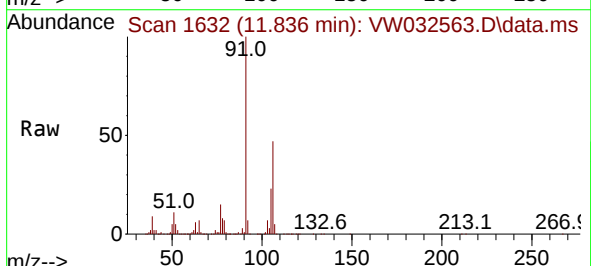
Acq: 03 Dec 2025 11:32

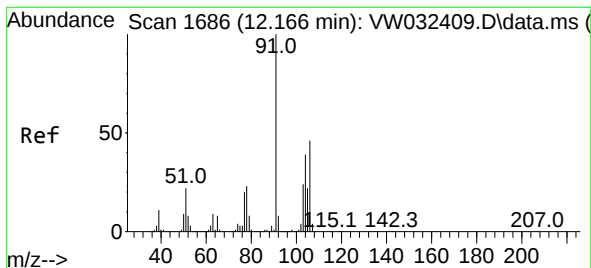
Tgt Ion: 106 Resp: 83714

Ion Ratio Lower Upper

106 100

91 204.1 163.3 244.9

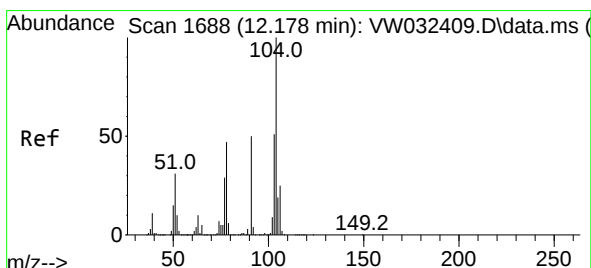
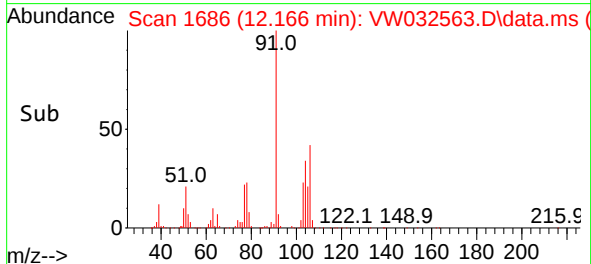
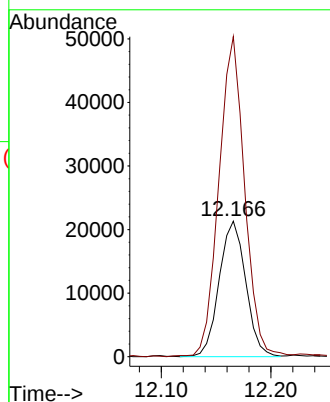
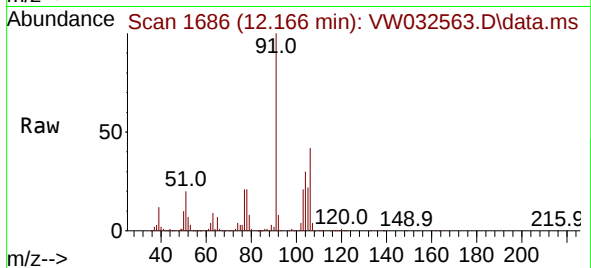




#69
o-Xylene
Concen: 4.371 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

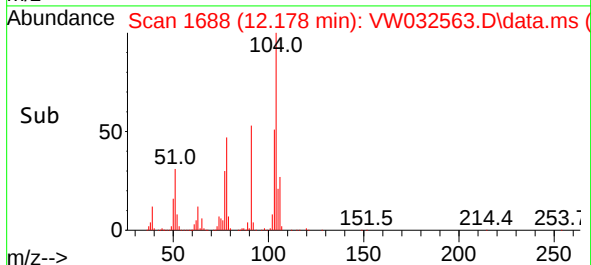
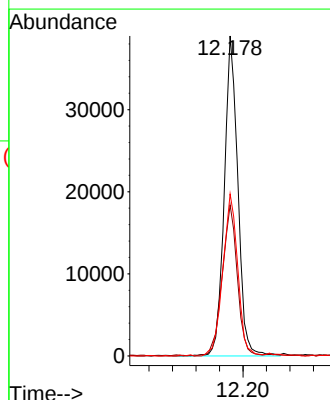
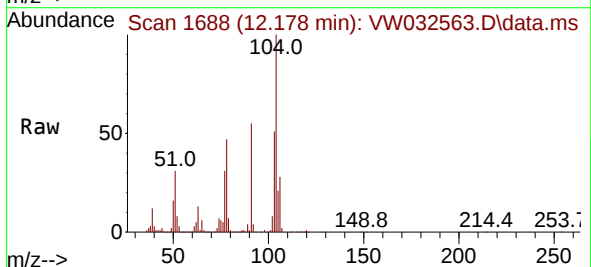
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

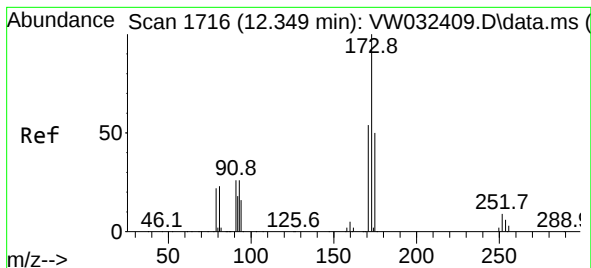
Tgt Ion:106 Resp: 35889
Ion Ratio Lower Upper
106 100
91 229.3 104.1 312.3



#70
Styrene
Concen: 4.355 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion:104 Resp: 62715
Ion Ratio Lower Upper
104 100
78 52.3 40.8 61.2
103 55.5 43.3 64.9





#71

Bromoform

Concen: 4.703 ug/l

RT: 12.349 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

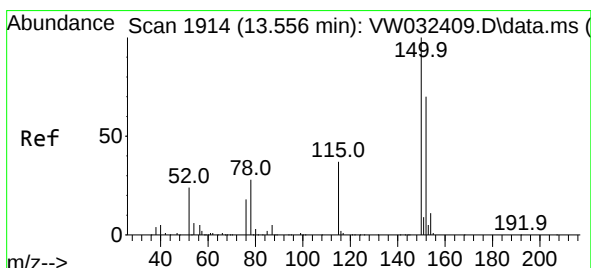
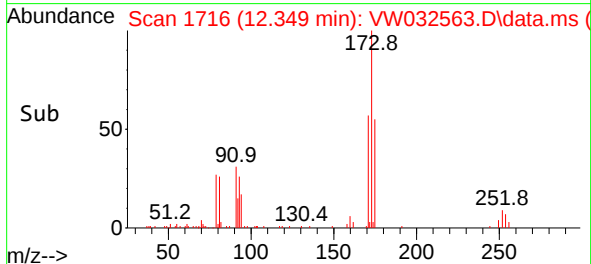
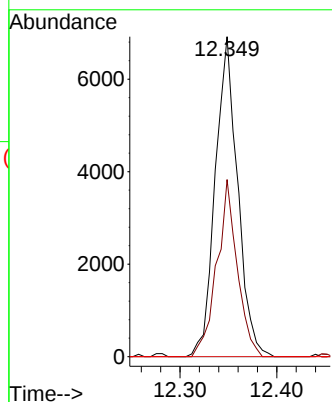
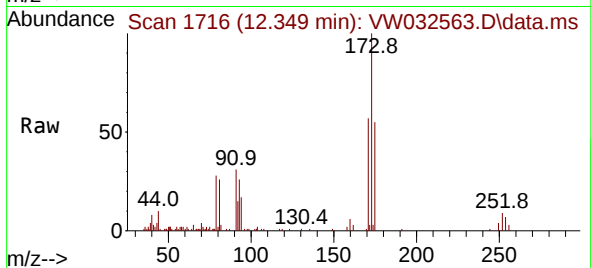
Tgt Ion:173 Resp: 11113

Ion Ratio Lower Upper

173 100

175 50.4 24.6 74.0

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

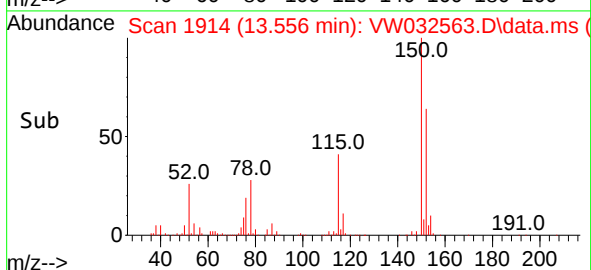
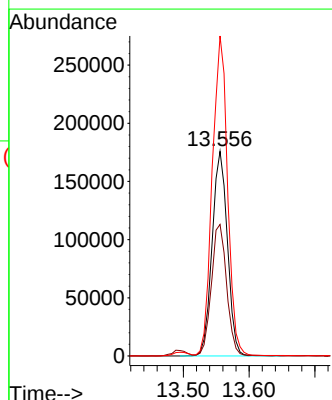
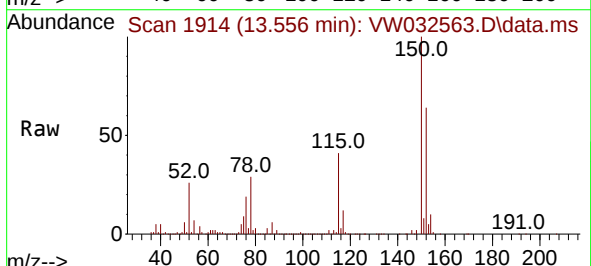
Tgt Ion:152 Resp: 285243

Ion Ratio Lower Upper

152 100

115 64.0 31.1 93.3

150 155.2 0.0 351.2





#73

Isopropylbenzene

Concen: 4.407 ug/l

RT: 12.458 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

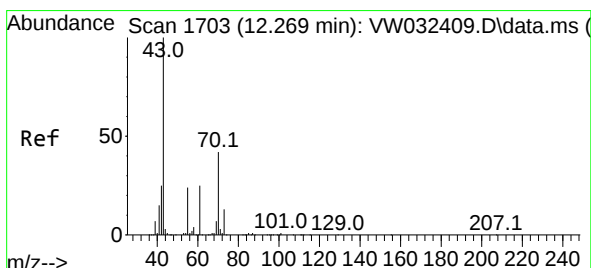
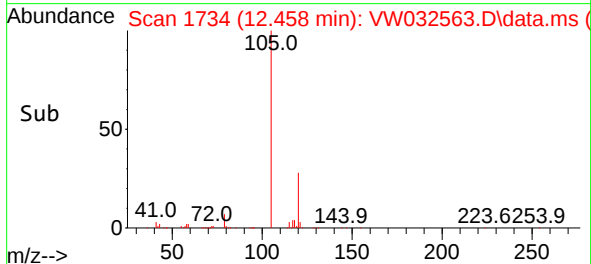
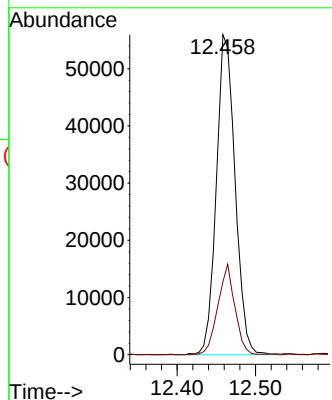
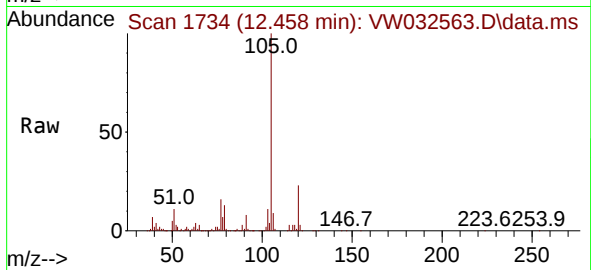
VSTDIC005

Tgt Ion:105 Resp: 93249

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 4.186 ug/l

RT: 12.269 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Tgt Ion: 43 Resp: 29321

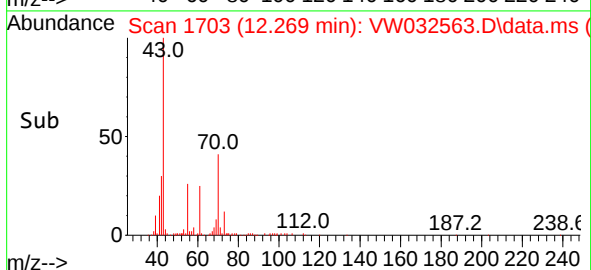
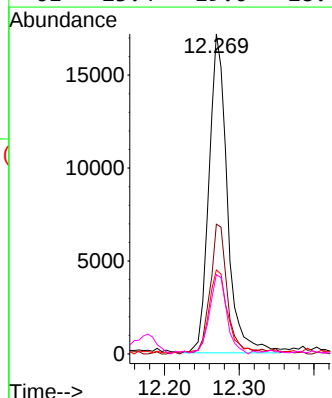
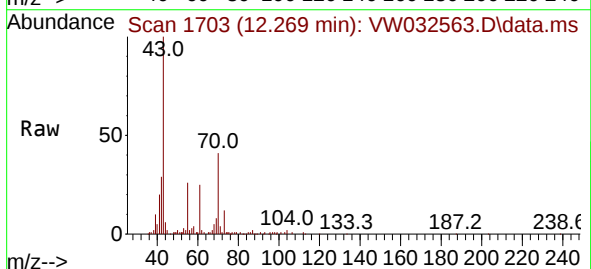
Ion Ratio Lower Upper

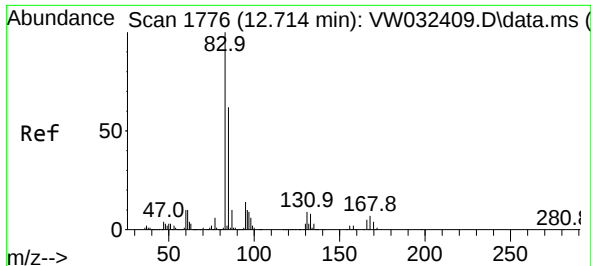
43 100

70 38.2 32.6 48.8

55 26.8 19.7 29.5

61 23.4 19.0 28.4

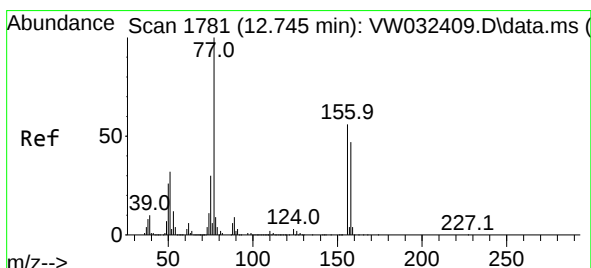
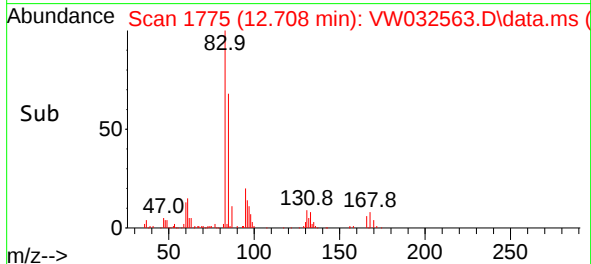
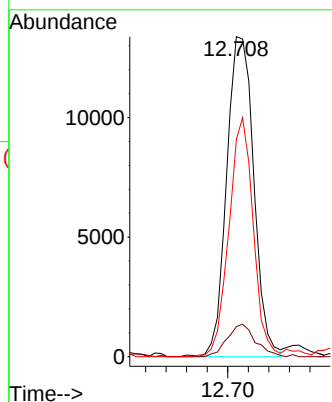
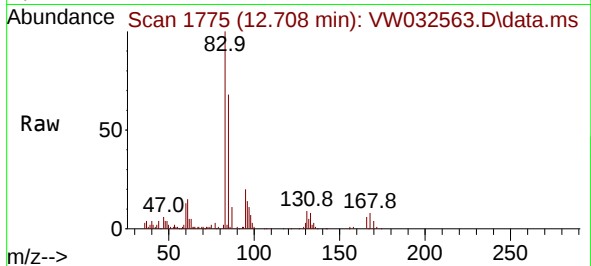




#75
1,1,2,2-Tetrachloroethane
Concen: 4.927 ug/l
RT: 12.708 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

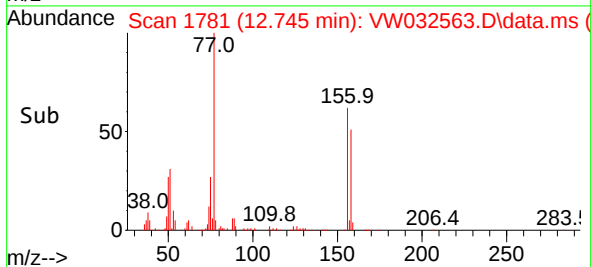
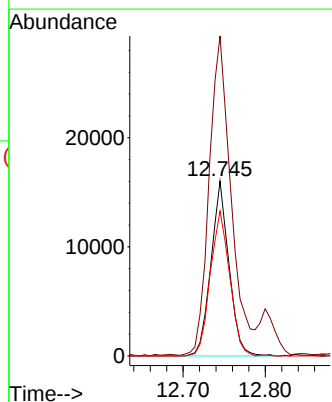
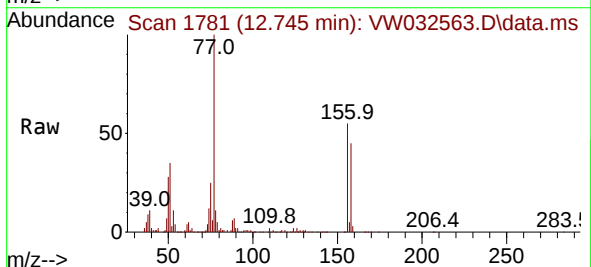
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

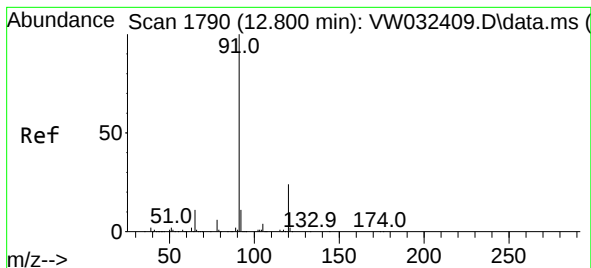
Tgt Ion:	83	Resp:	24544
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.8	14.3
85	66.8	32.5	97.4



#77
Bromobenzene
Concen: 4.896 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion:	156	Resp:	24491
Ion Ratio	Lower	Upper	
156	100		
77	221.5	115.9	347.7
158	88.8	50.7	152.1





#78

n-propylbenzene

Concen: 4.532 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

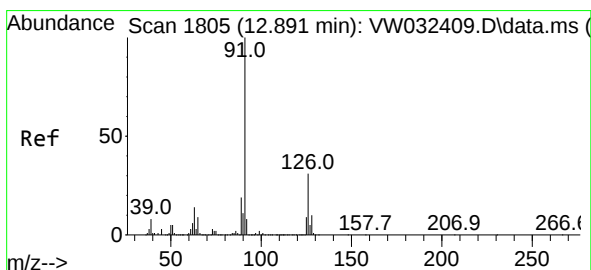
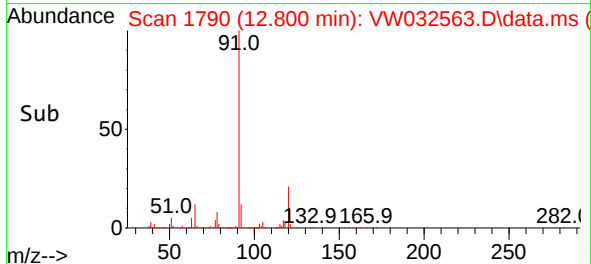
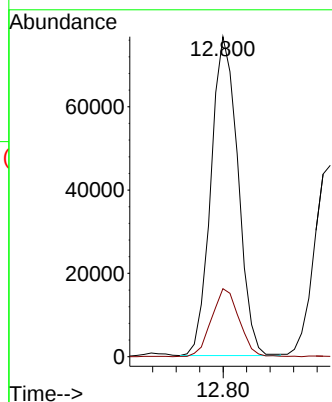
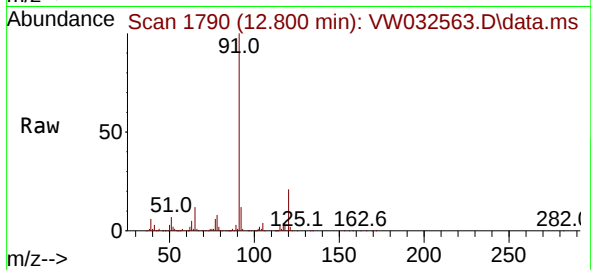
VSTDIC005

Tgt Ion: 91 Resp: 122353

Ion Ratio Lower Upper

91 100

120 21.9 10.8 32.4



#79

2-Chlorotoluene

Concen: 4.715 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VW032563.D

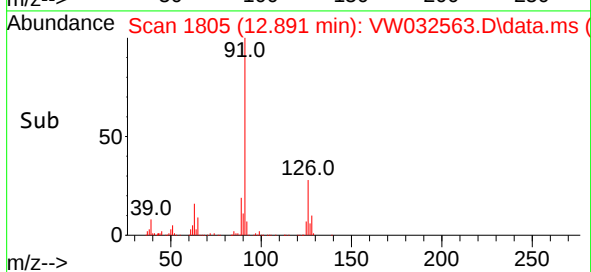
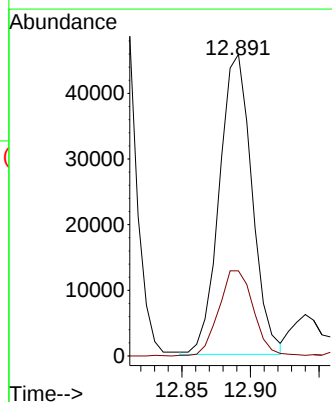
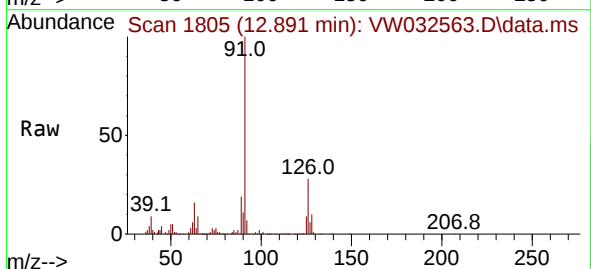
Acq: 03 Dec 2025 11:32

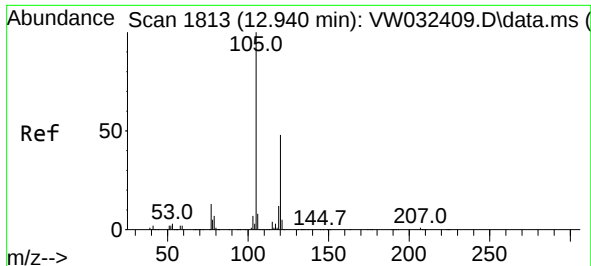
Tgt Ion: 91 Resp: 75884

Ion Ratio Lower Upper

91 100

126 30.2 15.7 47.0

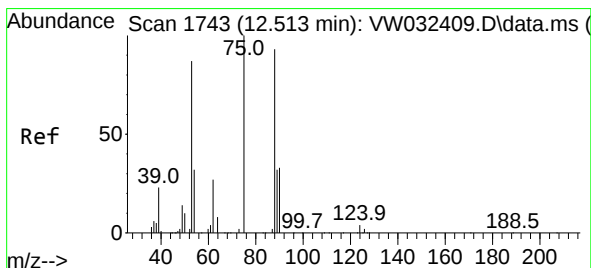
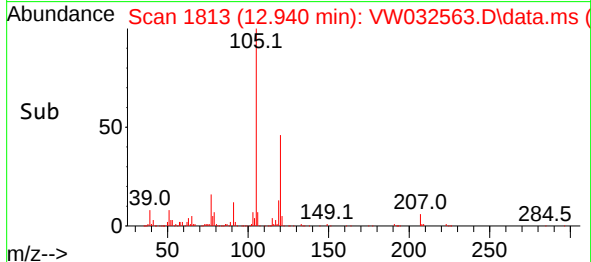
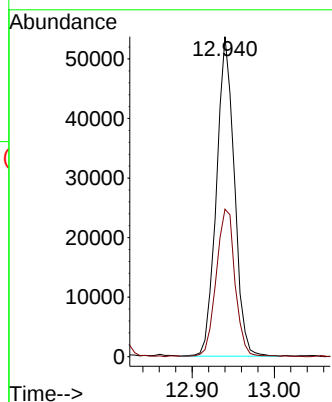
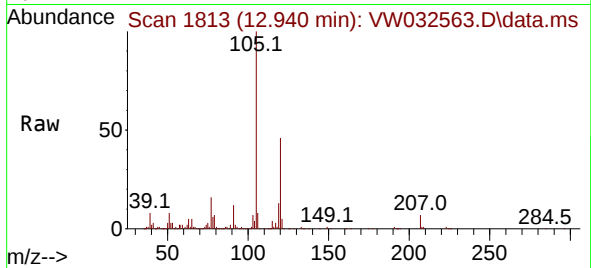




#80
1,3,5-Trimethylbenzene
Concen: 4.508 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

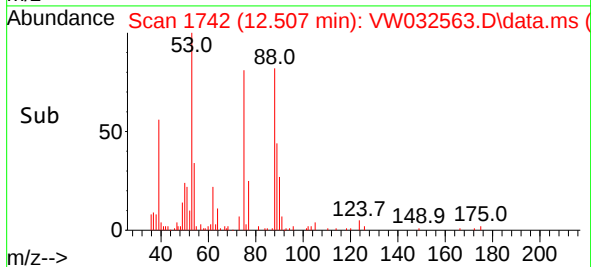
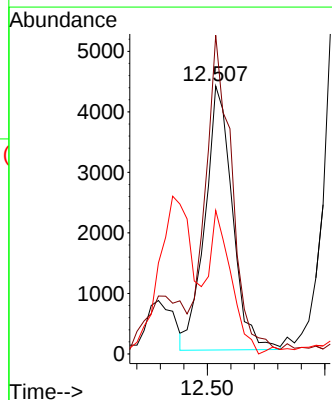
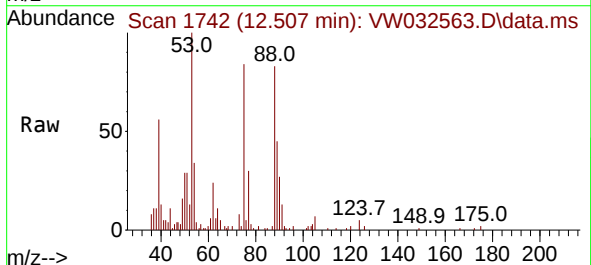
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

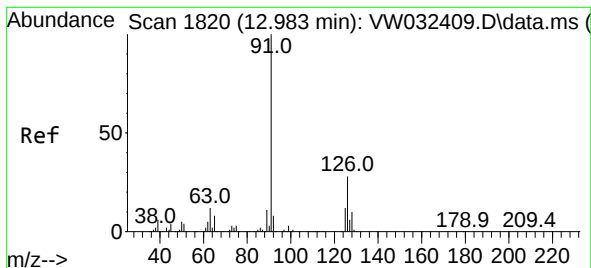
Tgt Ion:105 Resp: 81387
Ion Ratio Lower Upper
105 100
120 48.9 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 4.309 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 75 Resp: 7071
Ion Ratio Lower Upper
75 100
53 112.7 80.8 121.2
89 43.3 31.4 47.2

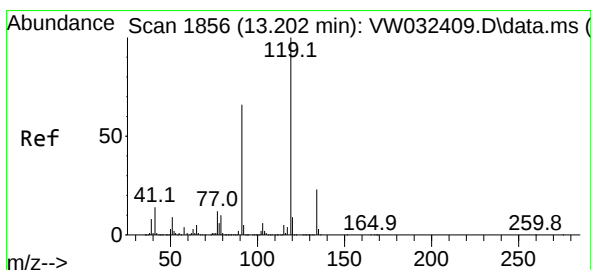
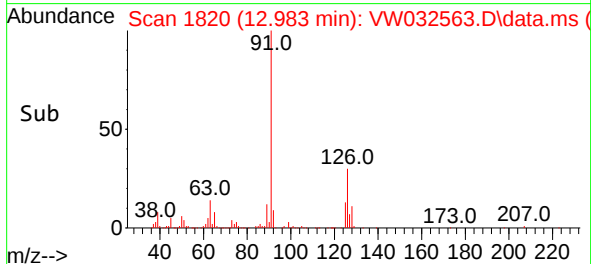
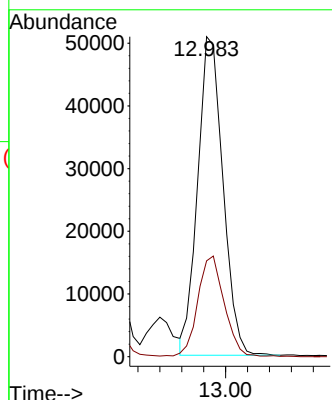
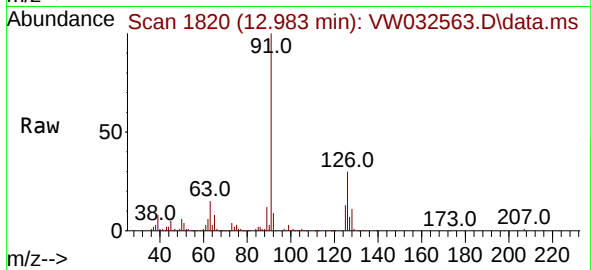




#82
4-Chlorotoluene
Concen: 4.733 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

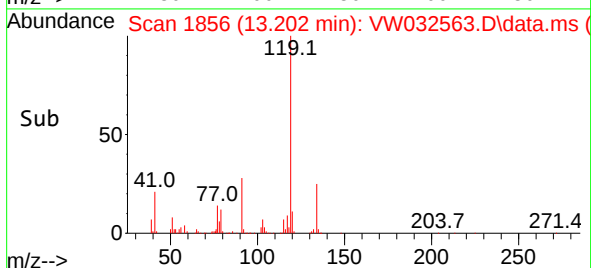
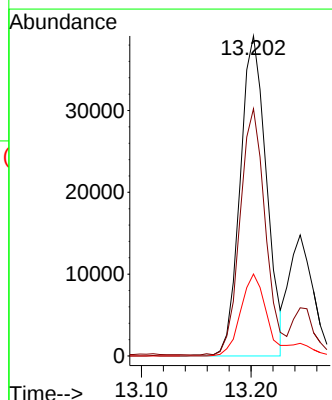
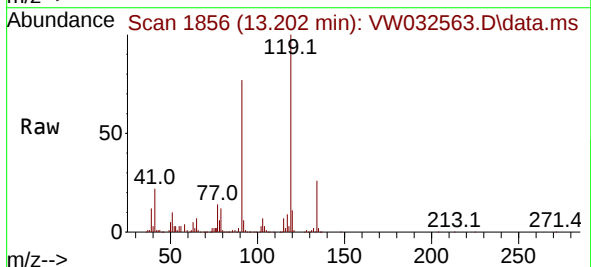
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

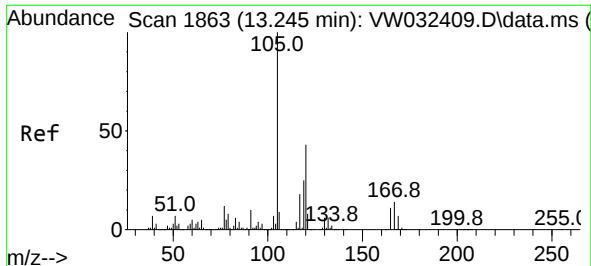
Tgt Ion: 91 Resp: 81465
Ion Ratio Lower Upper
91 100
126 33.2 15.6 46.7



#83
tert-Butylbenzene
Concen: 4.368 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion: 119 Resp: 65043
Ion Ratio Lower Upper
119 100
91 74.6 34.6 103.9
134 25.3 12.5 37.5

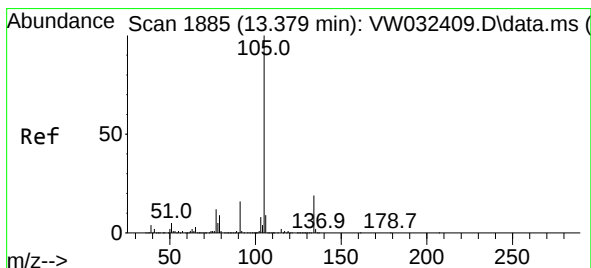
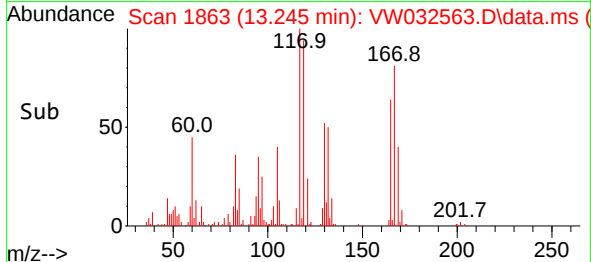
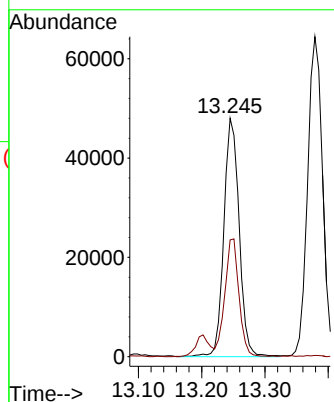
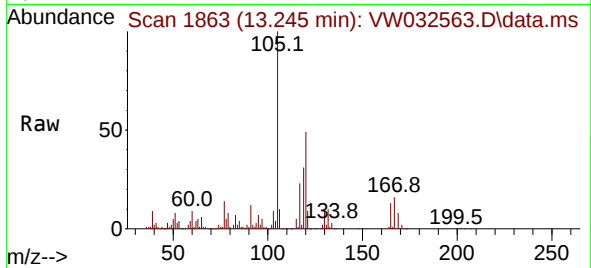




#84
1,2,4-Trimethylbenzene
Concen: 4.459 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

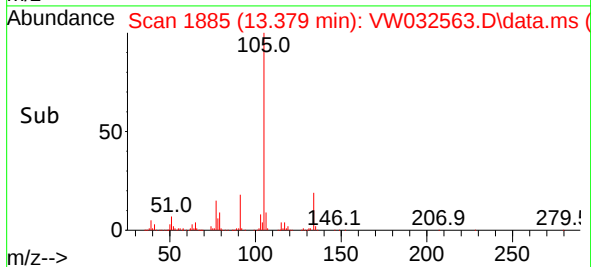
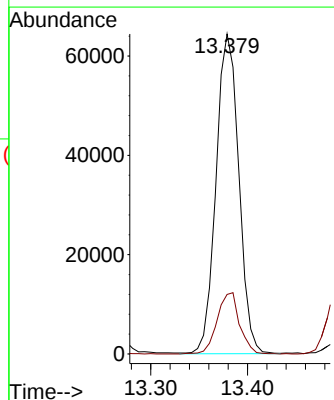
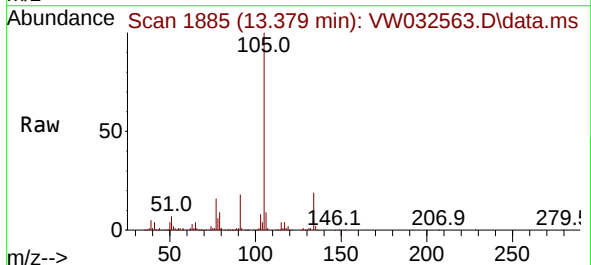
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

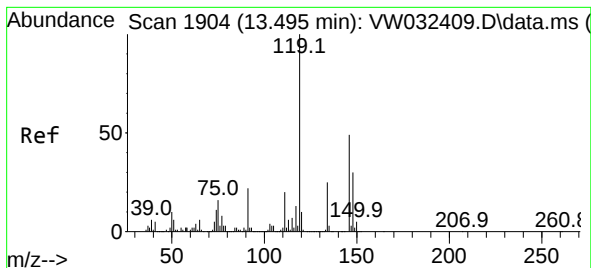
Tgt Ion:105 Resp: 80428
Ion Ratio Lower Upper
105 100
120 45.4 22.7 68.1



#85
sec-Butylbenzene
Concen: 4.575 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032563.D
Acq: 03 Dec 2025 11:32

Tgt Ion:105 Resp: 105074
Ion Ratio Lower Upper
105 100
134 18.9 9.4 28.3

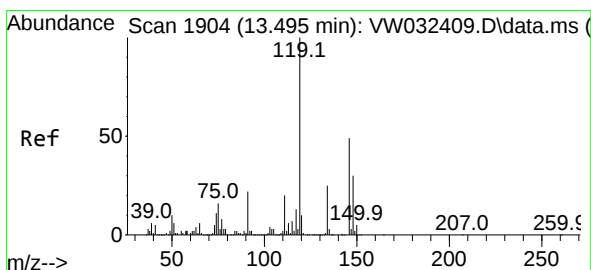
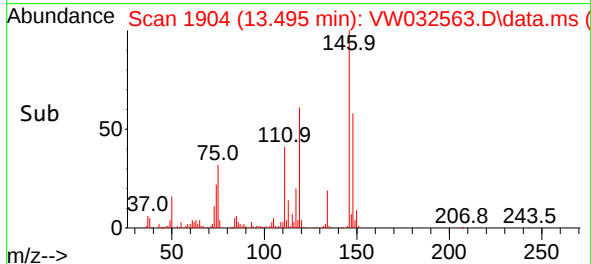
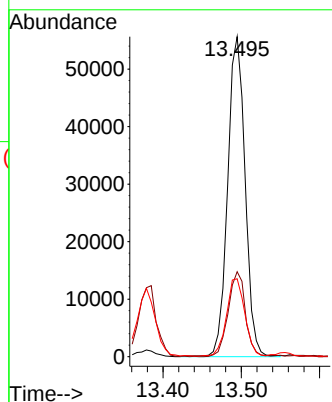
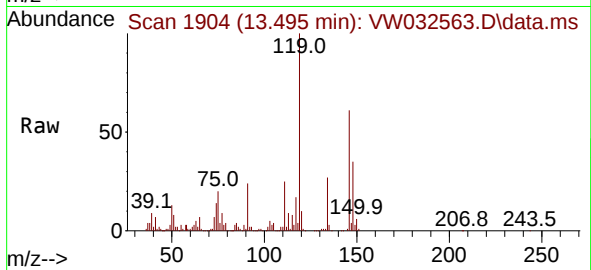




#86
 p-Isopropyltoluene
 Concen: 4.557 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

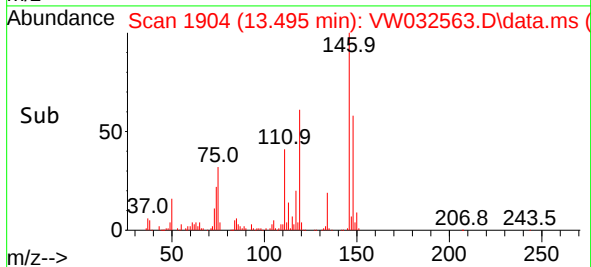
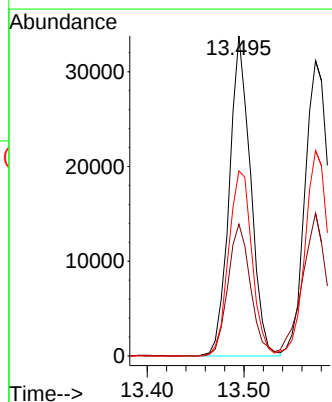
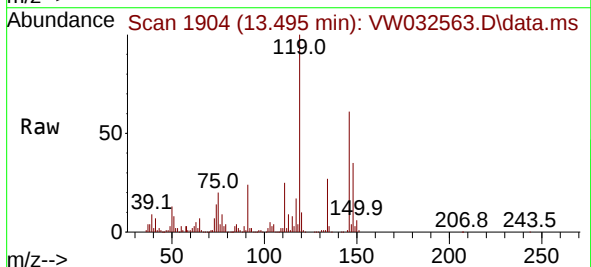
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

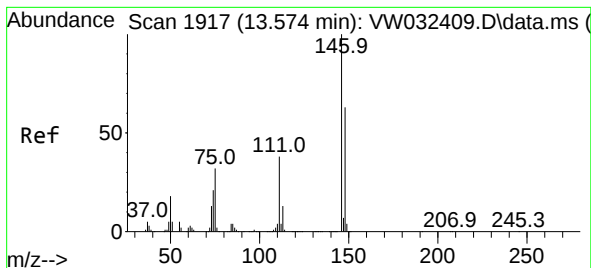
Tgt Ion:	119	Resp:	86209
Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	25.2	12.3	36.9



#87
 1,3-Dichlorobenzene
 Concen: 5.042 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

Tgt Ion:	146	Resp:	51565
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	64.6
148	63.3	31.9	95.9





#88

1,4-Dichlorobenzene

Concen: 5.198 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

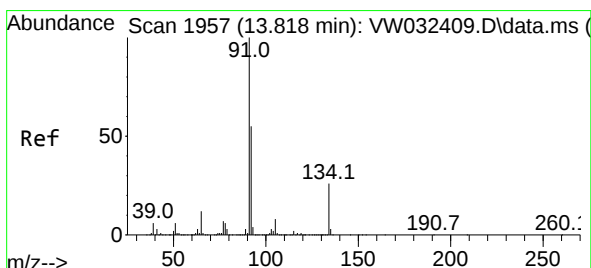
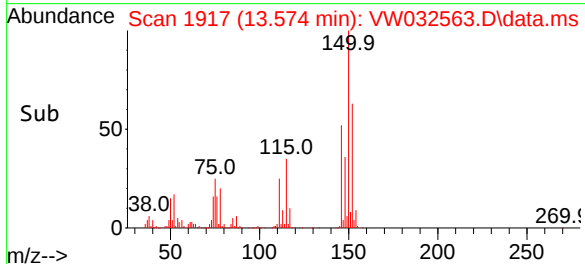
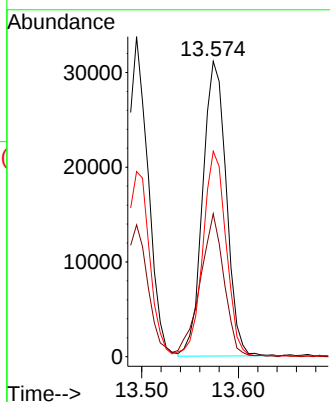
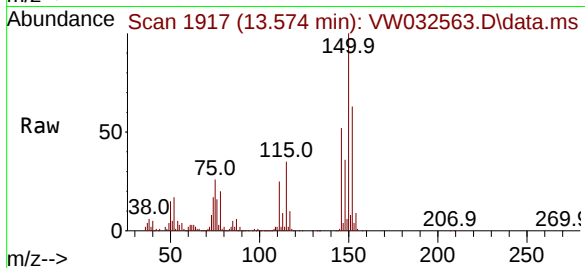
Tgt Ion:146 Resp: 52767

Ion Ratio Lower Upper

146 100

111 49.6 20.8 62.5

148 68.9 31.4 94.3



#89

n-Butylbenzene

Concen: 4.648 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

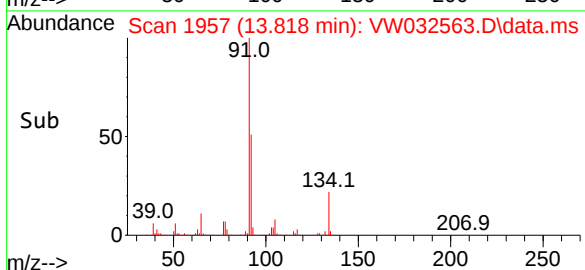
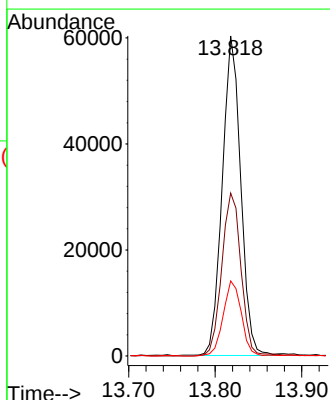
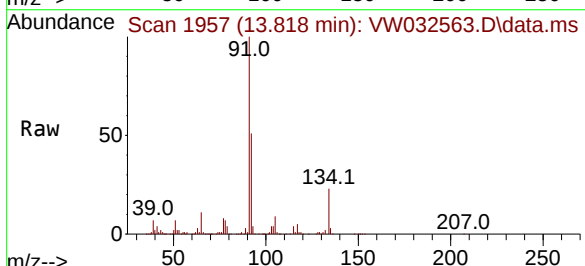
Tgt Ion: 91 Resp: 89295

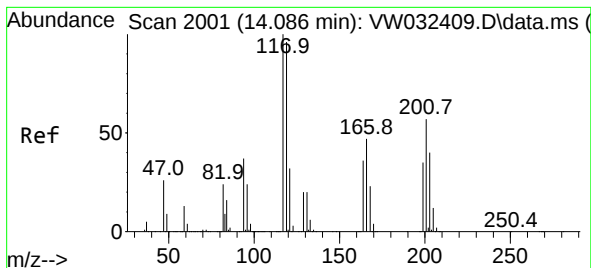
Ion Ratio Lower Upper

91 100

92 53.4 27.1 81.3

134 23.2 12.4 37.0





#90

Hexachloroethane

Concen: 5.187 ug/l

RT: 14.092 min Scan# 2001

Delta R.T. 0.006 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

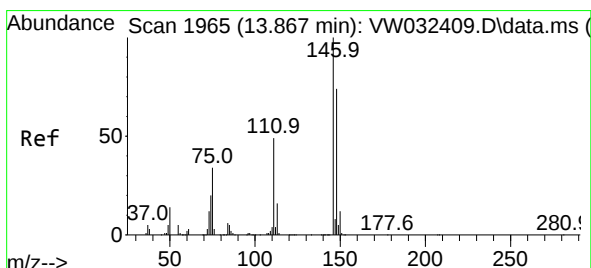
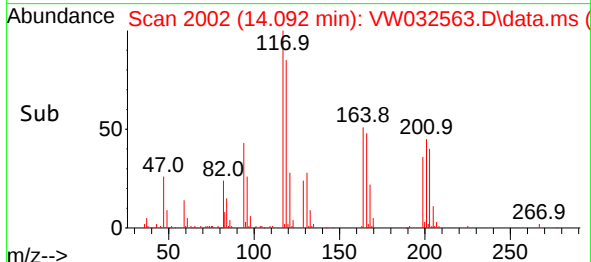
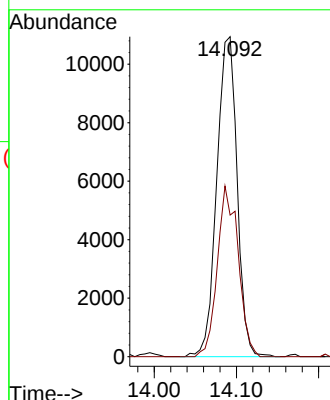
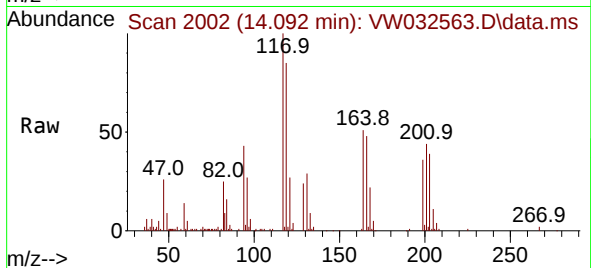
VSTDIC005

Tgt Ion:117 Resp: 18792

Ion Ratio Lower Upper

117 100

201 54.8 29.5 88.6



#91

1,2-Dichlorobenzene

Concen: 5.163 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

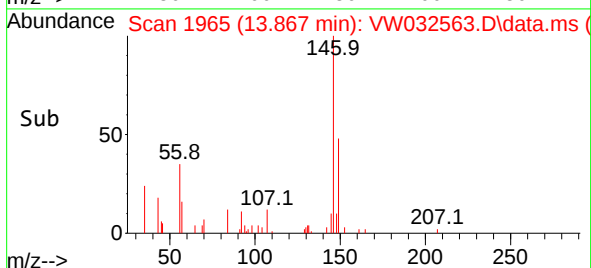
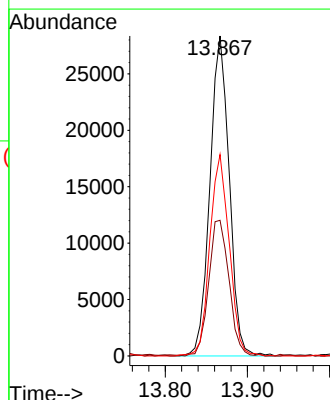
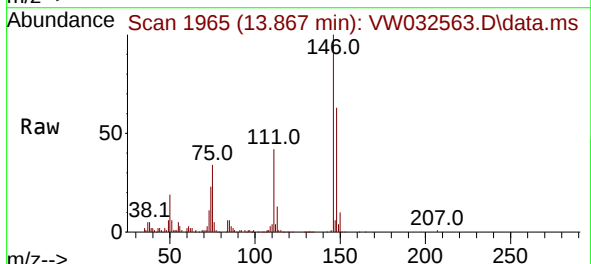
Tgt Ion:146 Resp: 46318

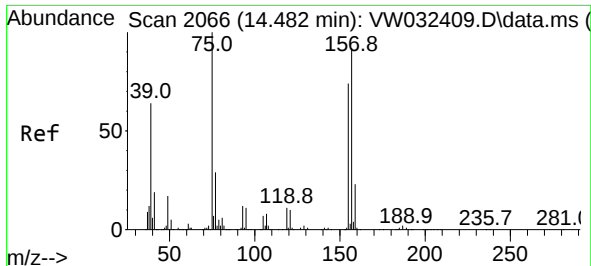
Ion Ratio Lower Upper

146 100

111 44.5 22.8 68.3

148 63.4 32.6 97.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.423 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

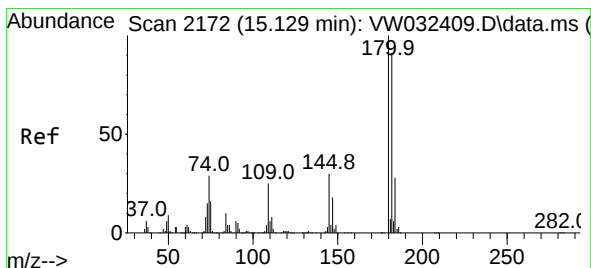
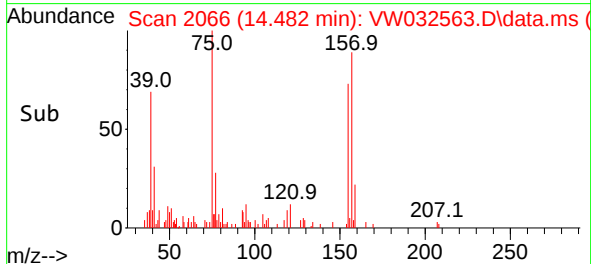
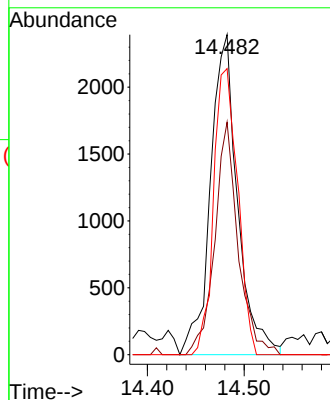
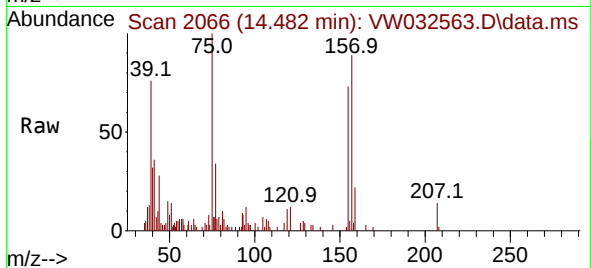
Tgt Ion: 75 Resp: 4657

Ion Ratio Lower Upper

75 100

155 62.7 34.6 103.9

157 79.0 44.4 133.2



#93

1,2,4-Trichlorobenzene

Concen: 4.842 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

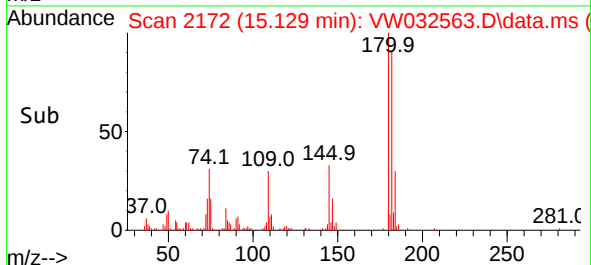
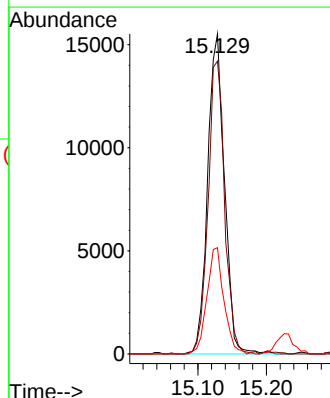
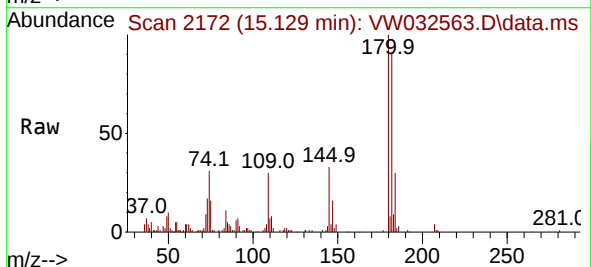
Tgt Ion: 180 Resp: 26457

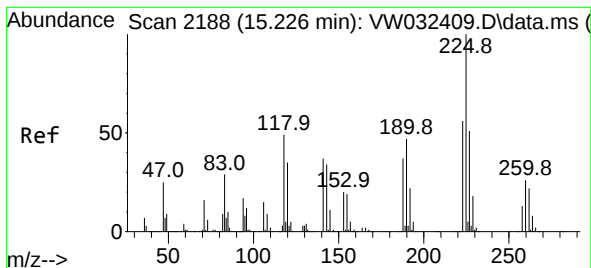
Ion Ratio Lower Upper

180 100

182 90.4 48.1 144.3

145 33.6 17.1 51.3





#94

Hexachlorobutadiene

Concen: 5.259 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. -0.006 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

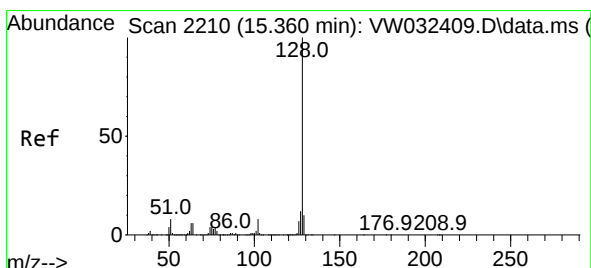
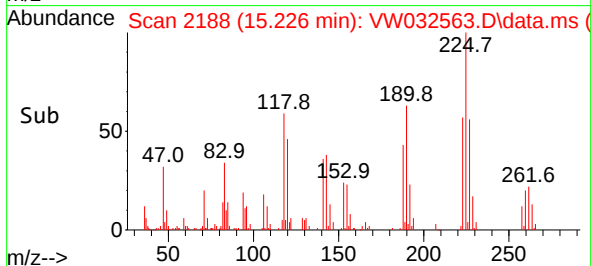
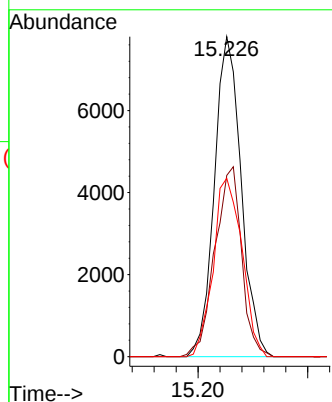
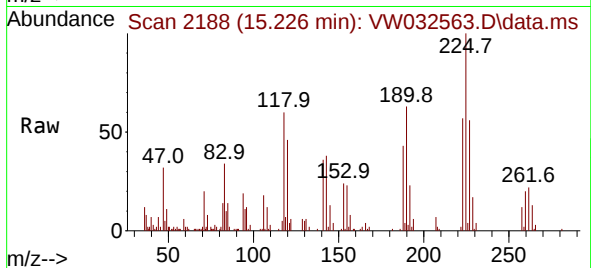
Tgt Ion:225 Resp: 13225

Ion Ratio Lower Upper

225 100

223 59.3 30.3 91.0

227 59.9 30.7 92.1



#95

Naphthalene

Concen: 3.888 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW032563.D

Acq: 03 Dec 2025 11:32

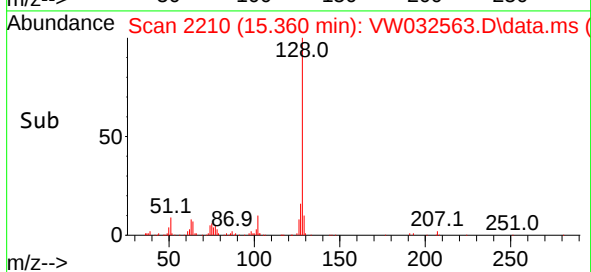
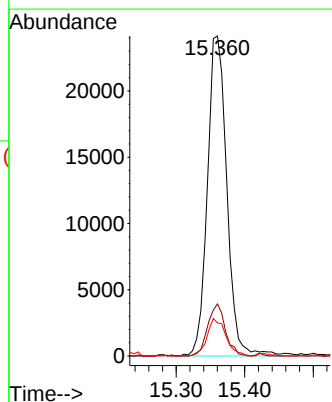
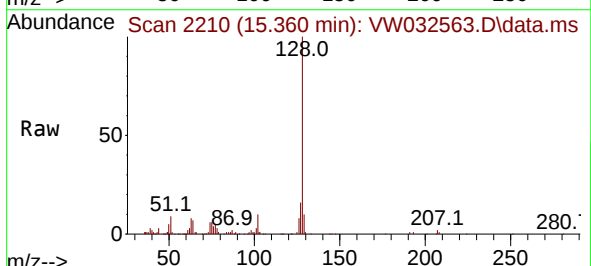
Tgt Ion:128 Resp: 47640

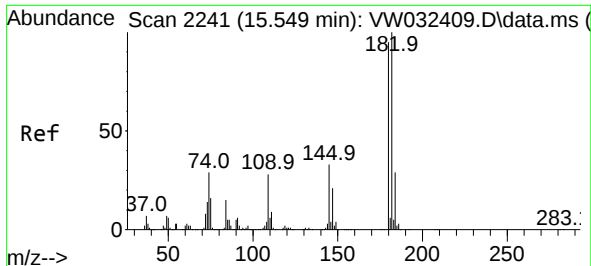
Ion Ratio Lower Upper

128 100

127 14.8 10.6 15.8

129 11.3 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 4.650 ug/l
 RT: 15.549 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032563.D
 Acq: 03 Dec 2025 11:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 23081
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.0 144.2
 145 35.7 17.8 53.4

