

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032139.D
 Acq On : 26 Aug 2025 10:45
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 27 03:49:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	207241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	361729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	320041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172516	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	59949	20.227	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	40.460%#
35) Dibromofluoromethane	7.898	113	50193	19.778	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	39.560%#
50) Toluene-d8	10.325	98	178639	20.051	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	40.100%#
62) 4-Bromofluorobenzene	12.617	95	65158	19.778	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	39.560%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	29597	21.631	ug/l	99
3) Chloromethane	2.253	50	28262	19.700	ug/l	99
4) Vinyl Chloride	2.405	62	38242	20.524	ug/l	99
5) Bromomethane	2.826	94	33838	20.336	ug/l	98
6) Chloroethane	2.972	64	26882	20.486	ug/l	99
7) Trichlorofluoromethane	3.308	101	37746	20.445	ug/l	95
8) Diethyl Ether	3.716	74	28021	20.338	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	42610	20.488	ug/l	98
10) Methyl Iodide	4.314	142	65366	20.641	ug/l	100
11) Tert butyl alcohol	5.222	59	16747	92.377	ug/l	96
12) 1,1-Dichloroethene	4.076	96	45354	20.707	ug/l	98
13) Acrolein	3.930	56	26614	95.503	ug/l	97
14) Allyl chloride	4.704	41	62098	19.960	ug/l	98
15) Acrylonitrile	5.399	53	66397	99.123	ug/l	97
16) Acetone	4.161	43	63129	98.351	ug/l	96
17) Carbon Disulfide	4.417	76	111058	20.273	ug/l	99
18) Methyl Acetate	4.710	43	39333	19.232	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	83004	20.069	ug/l	98
20) Methylene Chloride	4.960	84	59672	20.052	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	50083	20.469	ug/l	96
22) Diisopropyl ether	6.344	45	140521	20.752	ug/l	97
23) Vinyl Acetate	6.283	43	459708	99.855	ug/l	98
24) 1,1-Dichloroethane	6.246	63	89798	20.257	ug/l	99
25) 2-Butanone	7.197	43	89904	98.843	ug/l	100
26) 2,2-Dichloropropane	7.191	77	46138	19.654	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	59877	20.111	ug/l	99
28) Bromochloromethane	7.533	49	42759	21.071	ug/l	99
29) Tetrahydrofuran	7.551	42	56627	97.972	ug/l	99
30) Chloroform	7.691	83	101880	20.129	ug/l	100
31) Cyclohexane	7.972	56	70667	19.422	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	74668	20.210	ug/l	100
36) 1,1-Dichloropropene	8.100	75	63503	19.299	ug/l	96
37) Ethyl Acetate	7.277	43	37254	18.873	ug/l	98
38) Carbon Tetrachloride	8.081	117	69501	19.703	ug/l	95
39) Methylcyclohexane	9.343	83	74848	19.204	ug/l	96
40) Benzene	8.337	78	204224	20.078	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	20198	18.417	ug/l	96
42) 1,2-Dichloroethane	8.417	62	68894	19.538	ug/l	99
43) Isopropyl Acetate	8.435	43	68811	18.582	ug/l	97
44) Trichloroethene	9.105	130	50885	19.893	ug/l	84
45) 1,2-Dichloropropane	9.380	63	48708	19.865	ug/l	94
46) Dibromomethane	9.465	93	34506	20.064	ug/l	96
47) Bromodichloromethane	9.654	83	76320	19.528	ug/l	98
48) Methyl methacrylate	9.441	41	33017	19.347	ug/l	95
49) 1,4-Dioxane	9.465	88	8958	431.107	ug/l	95
51) 4-Methyl-2-Pentanone	10.215	43	203375	97.262	ug/l	99
52) Toluene	10.392	92	132013	19.861	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	65239	18.922	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	75706	19.244	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	45028	20.135	ug/l	95
56) Ethyl methacrylate	10.648	69	52974	18.528	ug/l	97
57) 1,3-Dichloropropane	10.934	76	73802	19.709	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	152569	99.976	ug/l	100
59) 2-Hexanone	10.971	43	138236	95.057	ug/l	100
60) Dibromochloromethane	11.129	129	52616	19.443	ug/l	99
61) 1,2-Dibromoethane	11.239	107	42542	19.344	ug/l	99
64) Tetrachloroethene	10.867	164	43742	20.766	ug/l	90
65) Chlorobenzene	11.660	112	152888	20.988	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	47518	19.813	ug/l	97
67) Ethyl Benzene	11.733	91	245828	20.597	ug/l	100
68) m/p-Xylenes	11.843	106	192351	41.875	ug/l	100
69) o-Xylene	12.166	106	88921	20.465	ug/l	100
70) Styrene	12.178	104	159523	20.828	ug/l	98
71) Bromoform	12.349	173	27643	19.407	ug/l #	96
73) Isopropylbenzene	12.465	105	224854	19.185	ug/l	99
74) N-amyl acetate	12.270	43	64999	19.102	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	53386	19.167	ug/l	96
76) 1,2,3-Trichloropropane	12.769	75	66116	29.599	ug/l #	1
77) Bromobenzene	12.745	156	59590	19.938	ug/l	96
78) n-propylbenzene	12.800	91	277146	19.477	ug/l	98
79) 2-Chlorotoluene	12.891	91	170359	19.579	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	194222	19.573	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	14477	18.035	ug/l	94
82) 4-Chlorotoluene	12.989	91	184235	19.781	ug/l	98
83) tert-Butylbenzene	13.202	119	161867	19.239	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	206247	20.090	ug/l	98
85) sec-Butylbenzene	13.379	105	243871	19.414	ug/l	100
86) p-Isopropyltoluene	13.495	119	211483	19.797	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	115970	19.271	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	118257	19.605	ug/l	97
89) n-Butylbenzene	13.818	91	194525	19.099	ug/l	99
90) Hexachloroethane	14.092	117	36162	18.506	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	110612	20.761	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9570	19.449	ug/l	93
93) 1,2,4-Trichlorobenzene	15.129	180	68392	20.091	ug/l	98
94) Hexachlorobutadiene	15.226	225	33947	20.108	ug/l	99
95) Naphthalene	15.360	128	146800	19.055	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	61140	19.313	ug/l	100

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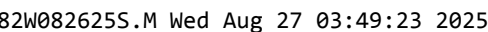
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MSVOA_W
ClientSampleId :
VSTDICC020

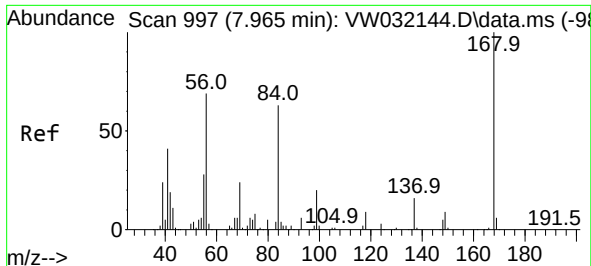
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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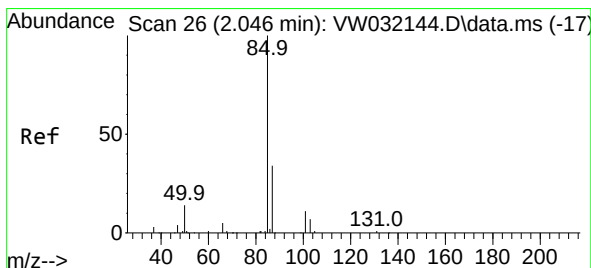
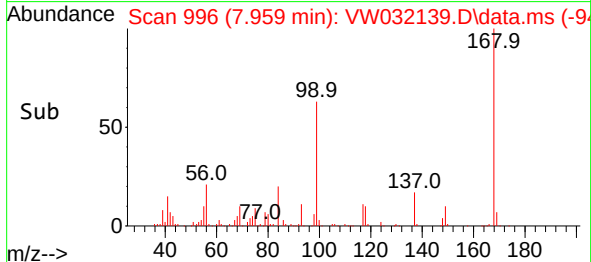
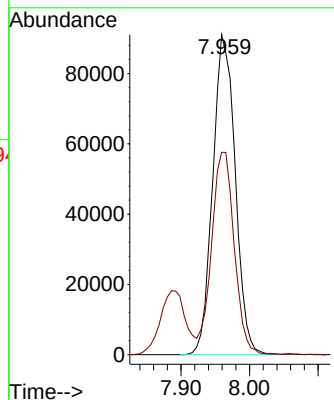
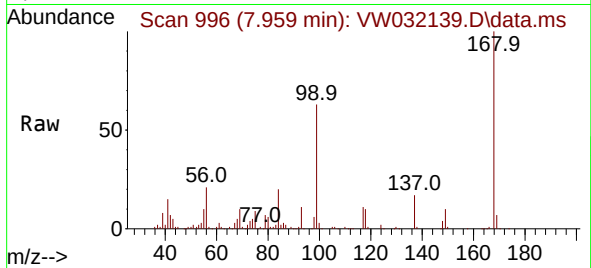




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
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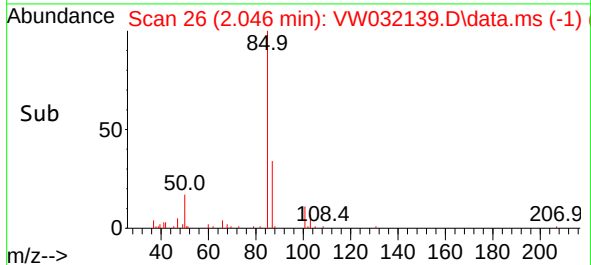
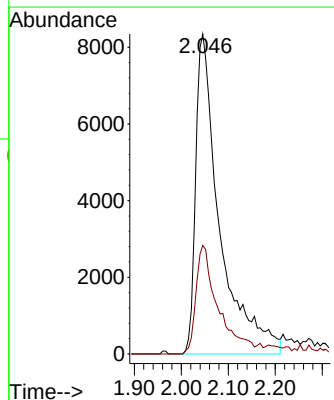
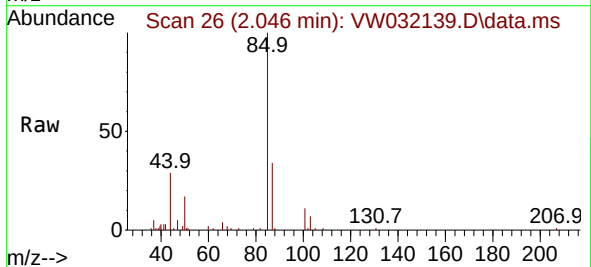
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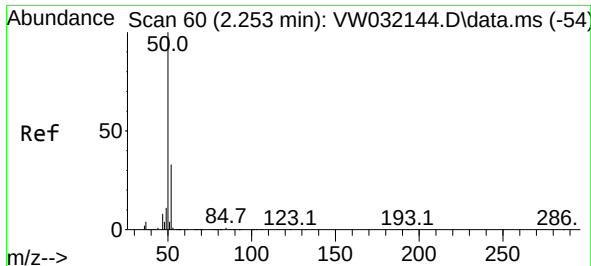
Tgt Ion:168 Resp: 207241
Ion Ratio Lower Upper
168 100
99 63.1 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 21.631 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 85 Resp: 29597
Ion Ratio Lower Upper
85 100
87 33.9 17.2 51.6

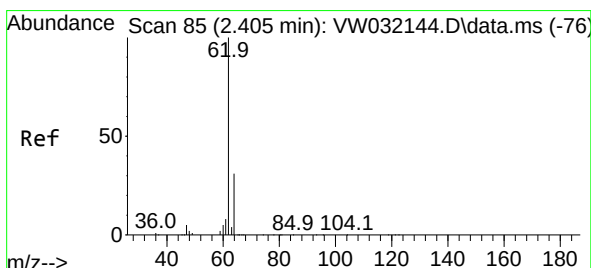
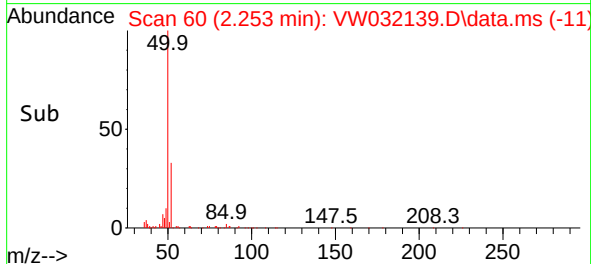
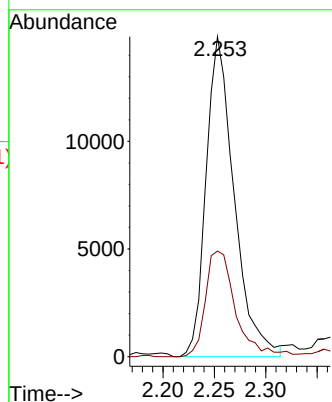
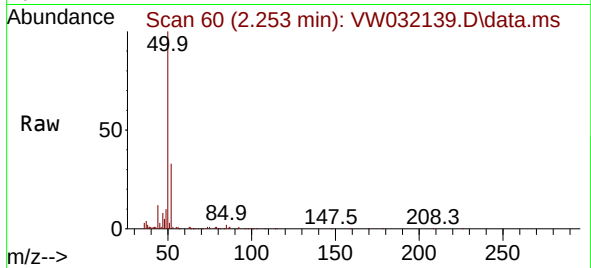




#3
Chloromethane
Concen: 19.700 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

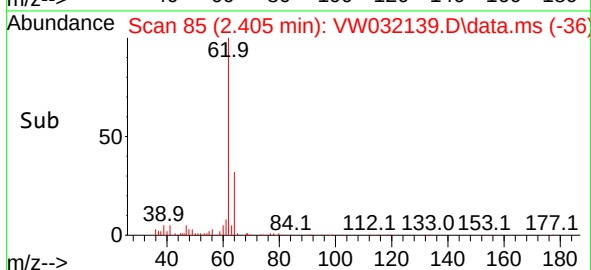
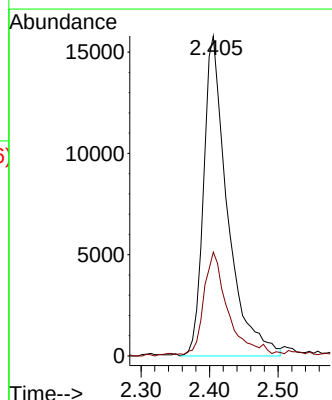
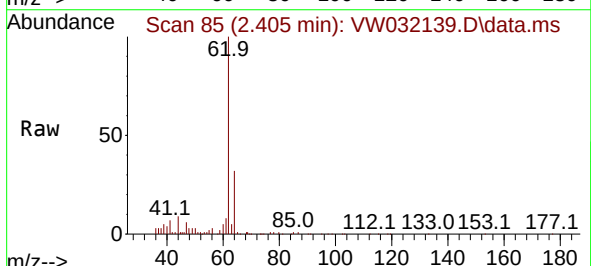
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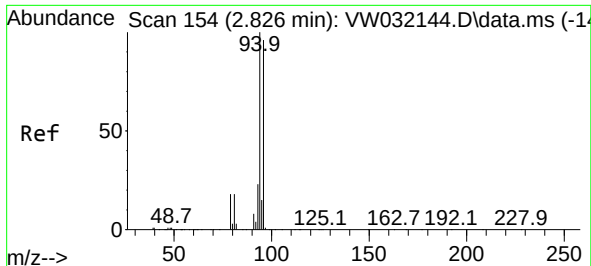
Tgt Ion: 50 Resp: 28262
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1



#4
Vinyl Chloride
Concen: 20.524 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 62 Resp: 38242
Ion Ratio Lower Upper
62 100
64 31.8 24.8 37.2

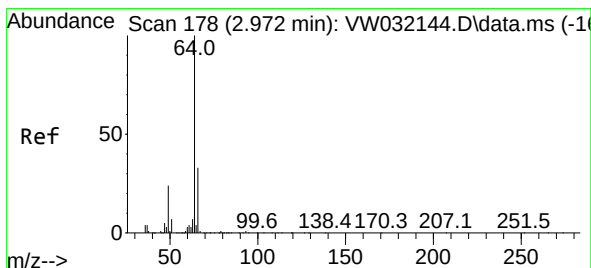
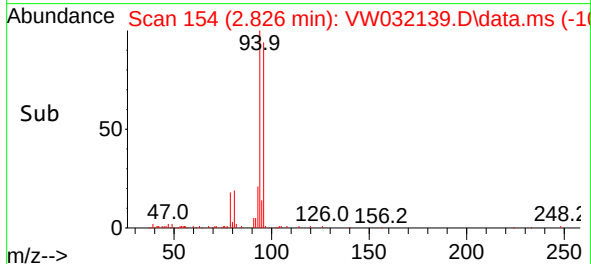
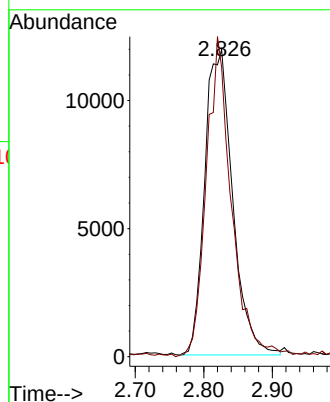
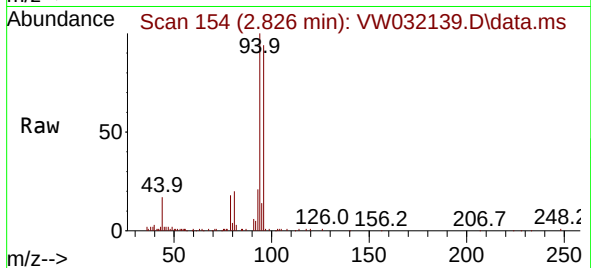




#5
Bromomethane
Concen: 20.336 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

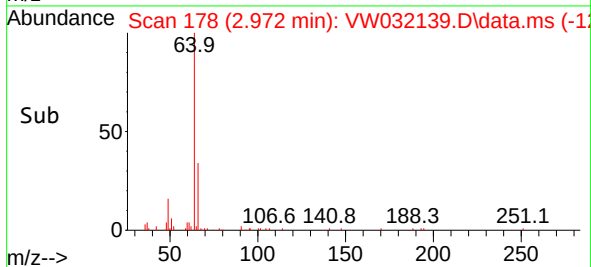
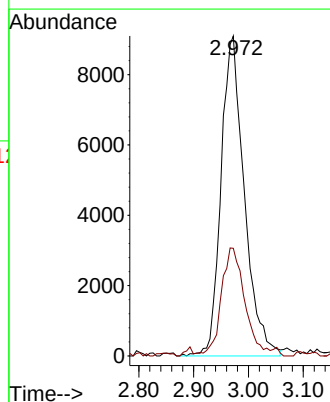
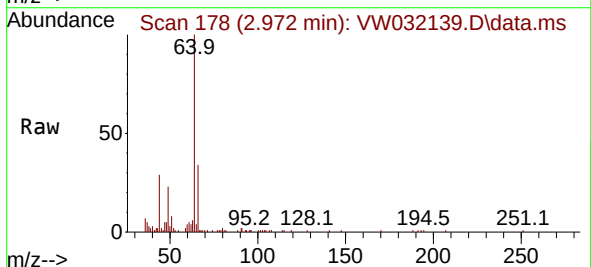
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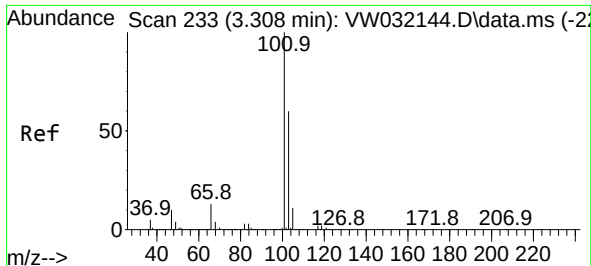
Tgt Ion: 94 Resp: 33838
Ion Ratio Lower Upper
94 100
96 94.3 76.6 115.0



#6
Chloroethane
Concen: 20.486 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 64 Resp: 26882
Ion Ratio Lower Upper
64 100
66 33.6 26.2 39.4

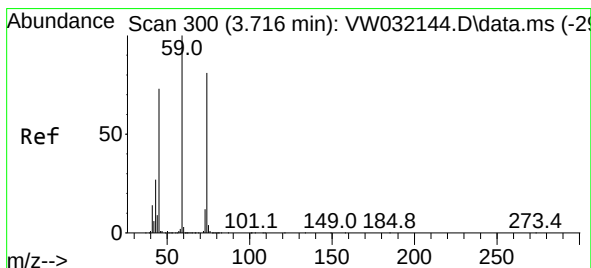
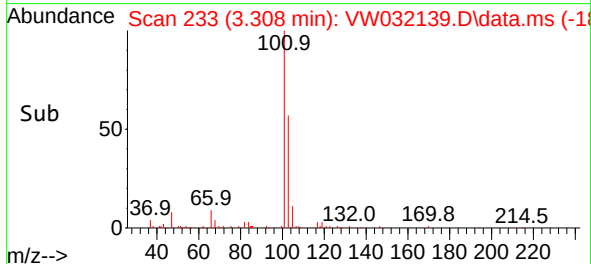
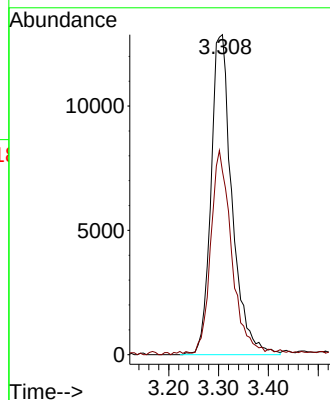
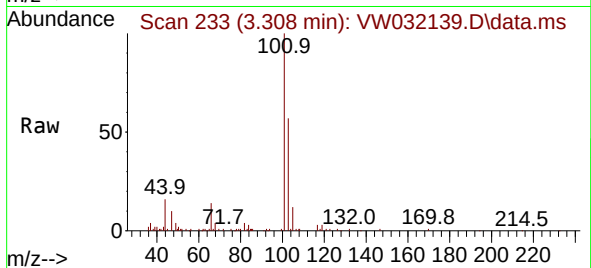




#7
 Trichlorofluoromethane
 Concen: 20.445 ug/l
 RT: 3.308 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

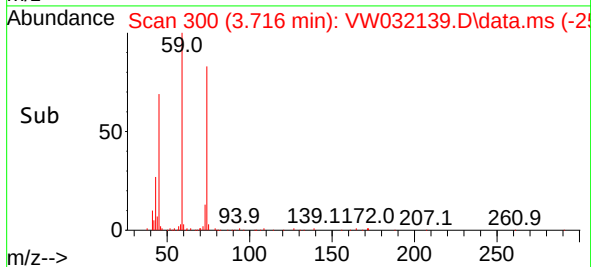
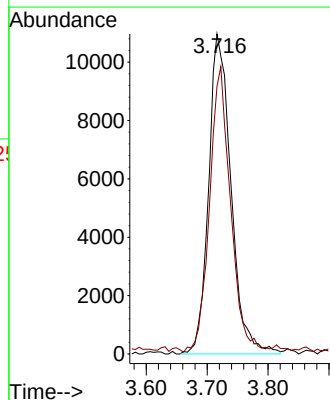
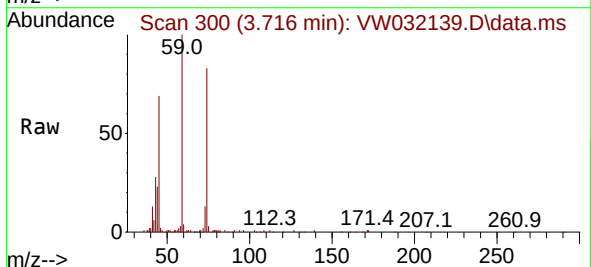
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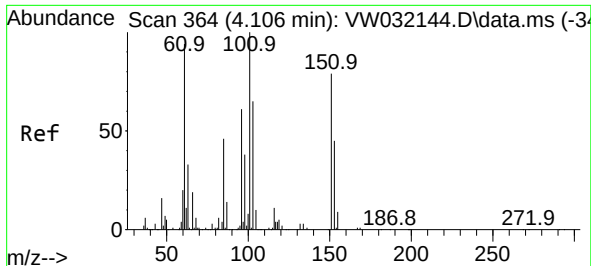
Tgt Ion:101 Resp: 37746
 Ion Ratio Lower Upper
 101 100
 103 56.3 47.8 71.8



#8
 Diethyl Ether
 Concen: 20.338 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VW032139.D
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Tgt Ion: 74 Resp: 28021
 Ion Ratio Lower Upper
 74 100
 45 83.6 43.1 129.4

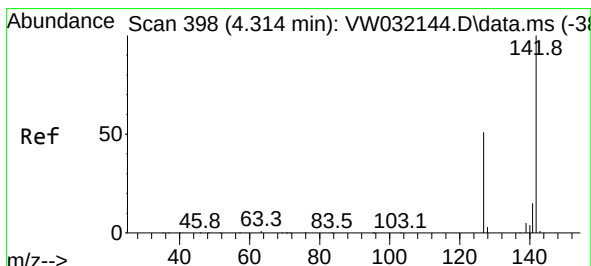
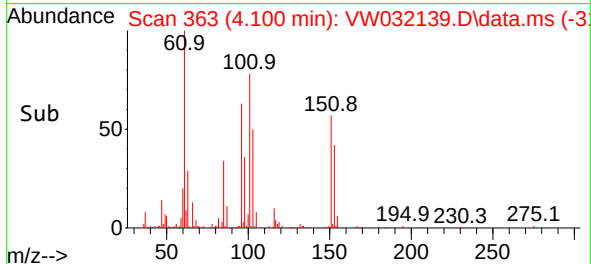
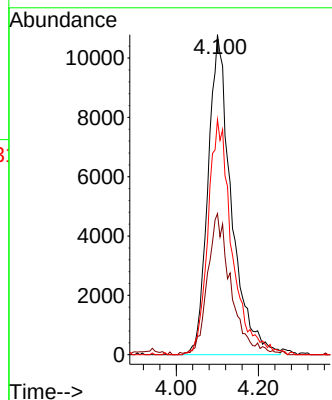
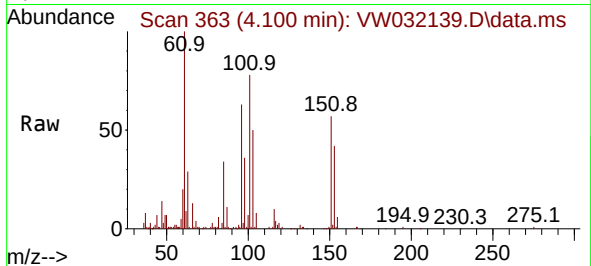




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.488 ug/l
RT: 4.100 min Scan# 30
Delta R.T. -0.006 min
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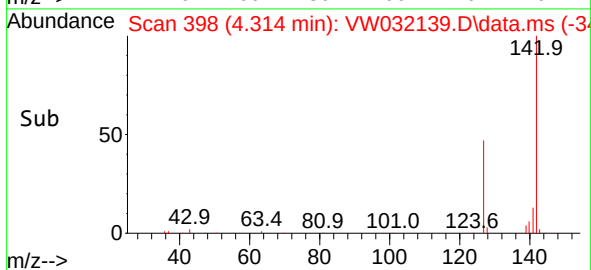
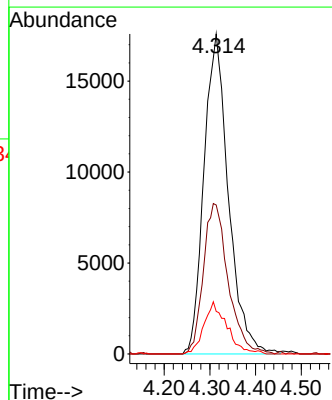
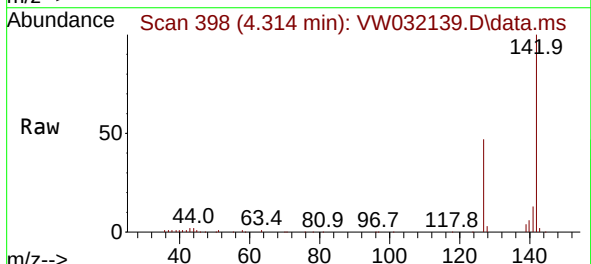
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

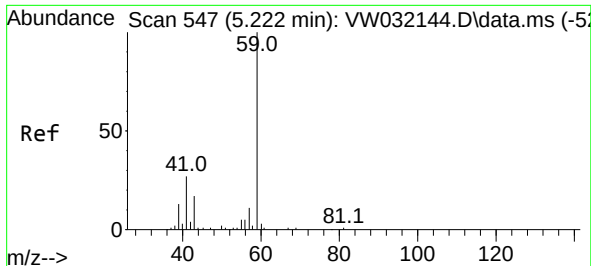
Tgt Ion:101 Resp: 42610
Ion Ratio Lower Upper
101 100
85 44.7 37.1 55.7
151 75.5 61.5 92.3



#10
Methyl Iodide
Concen: 20.641 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion:142 Resp: 65366
Ion Ratio Lower Upper
142 100
127 47.6 38.2 57.2
141 15.4 12.2 18.2

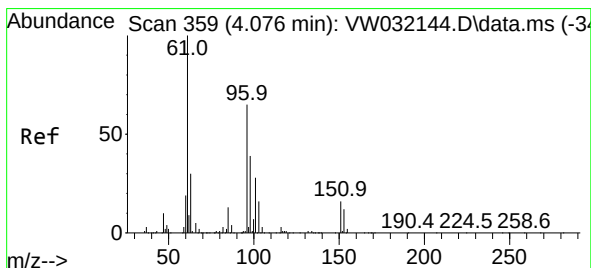
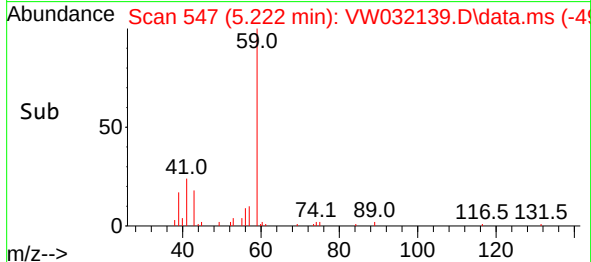
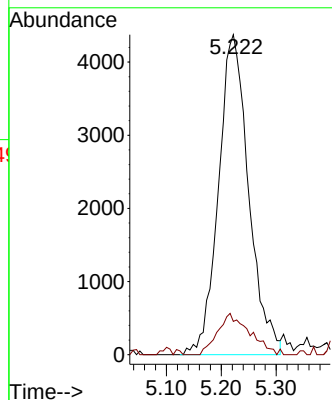
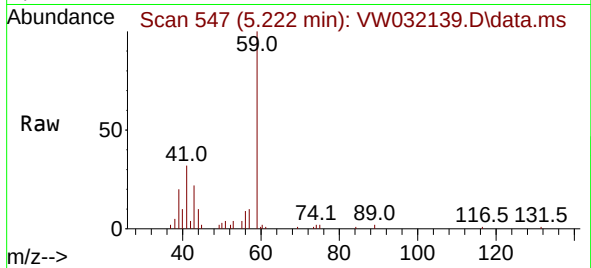




#11
Tert butyl alcohol
Concen: 92.377 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

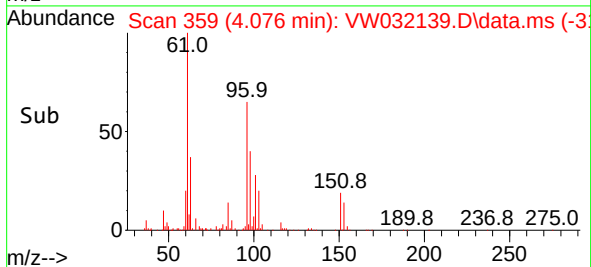
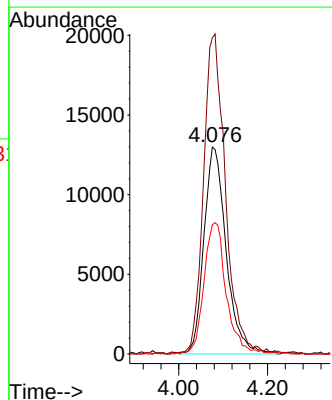
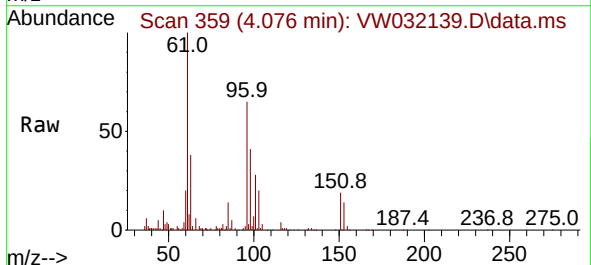
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

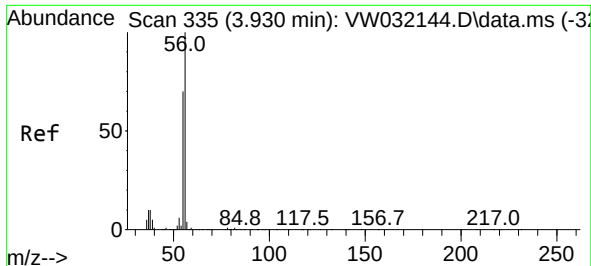
Tgt Ion: 59 Resp: 16747
Ion Ratio Lower Upper
59 100
57 13.7 9.8 14.6



#12
1,1-Dichloroethene
Concen: 20.707 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 96 Resp: 45354
Ion Ratio Lower Upper
96 100
61 152.0 123.0 184.4
98 62.5 48.5 72.7

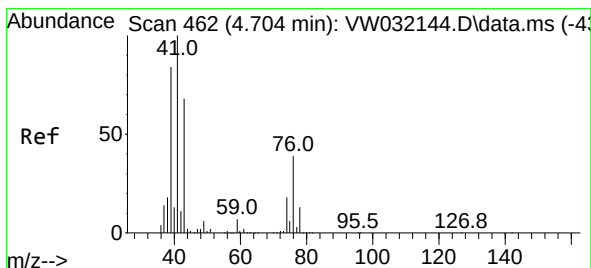
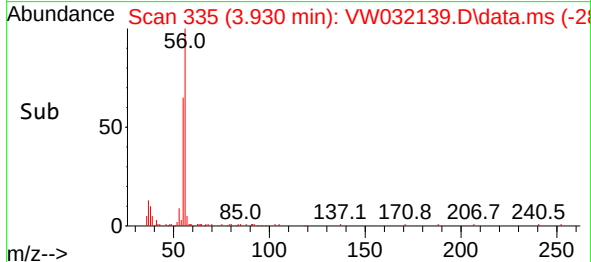
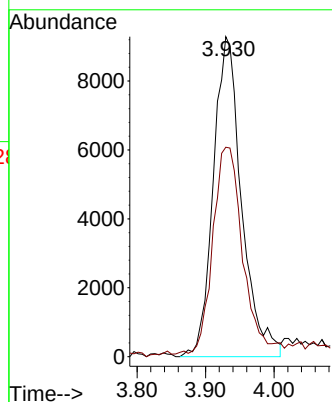
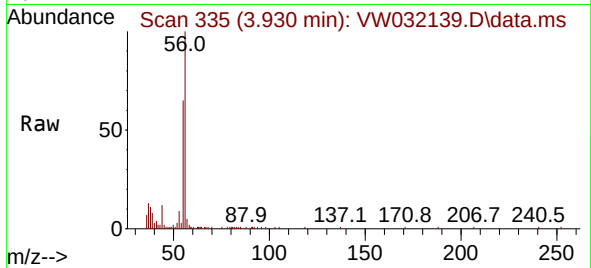




#13
Acrolein
Concen: 95.503 ug/l
RT: 3.930 min Scan# 335
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

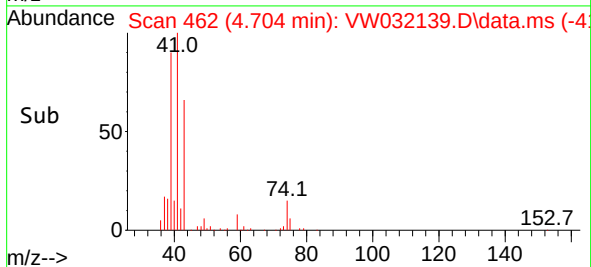
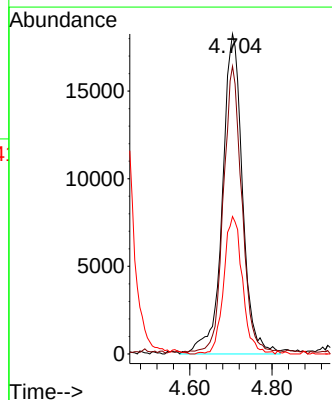
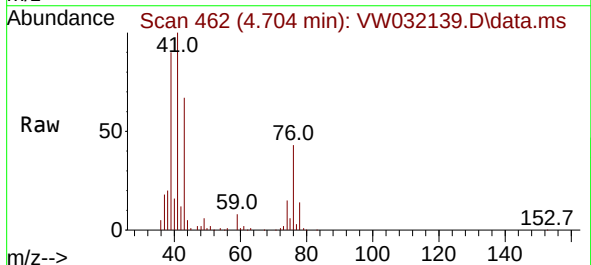
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

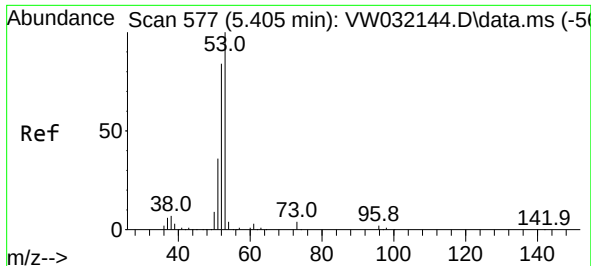
Tgt Ion: 56 Resp: 26614
Ion Ratio Lower Upper
56 100
55 68.2 56.4 84.6



#14
Allyl chloride
Concen: 19.960 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 41 Resp: 62098
Ion Ratio Lower Upper
41 100
39 82.8 64.1 96.1
76 39.7 31.4 47.2

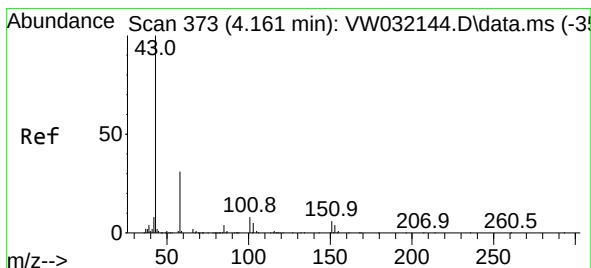
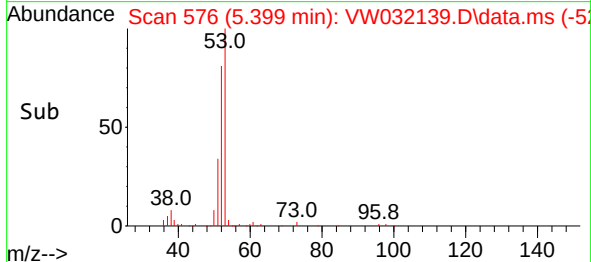
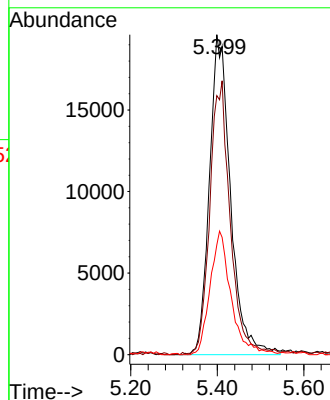
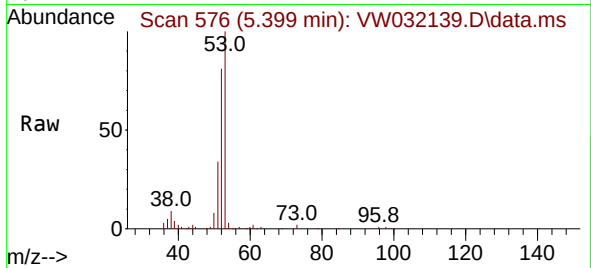




#15
Acrylonitrile
Concen: 99.123 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

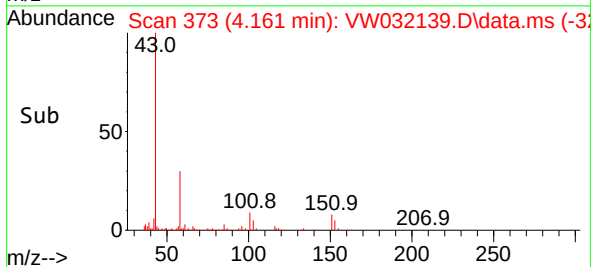
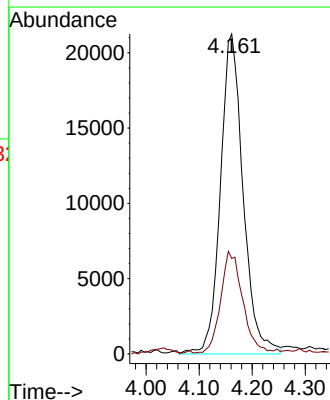
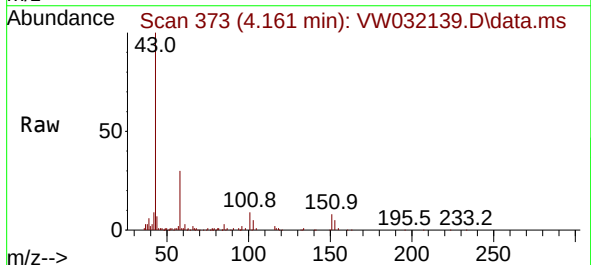
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

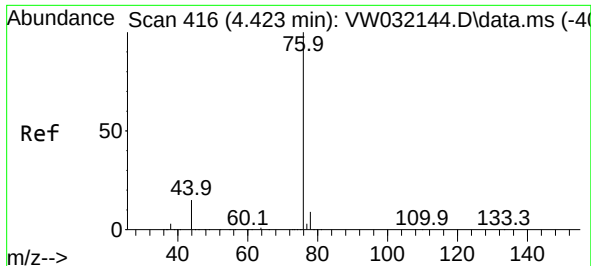
Tgt Ion: 53 Resp: 66397
Ion Ratio Lower Upper
53 100
52 81.2 67.4 101.2
51 38.4 30.3 45.5



#16
Acetone
Concen: 98.351 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 43 Resp: 63129
Ion Ratio Lower Upper
43 100
58 29.4 25.3 37.9

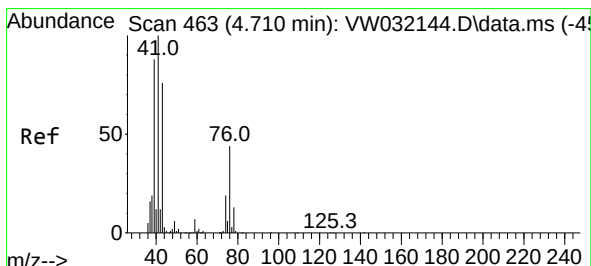
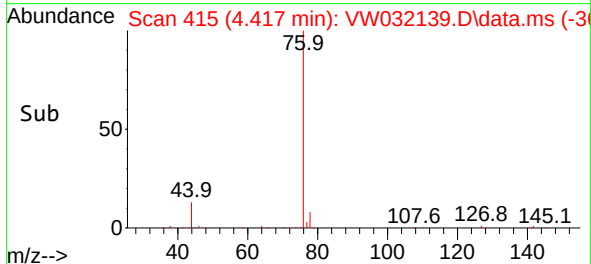
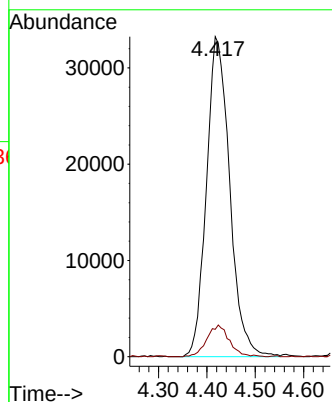
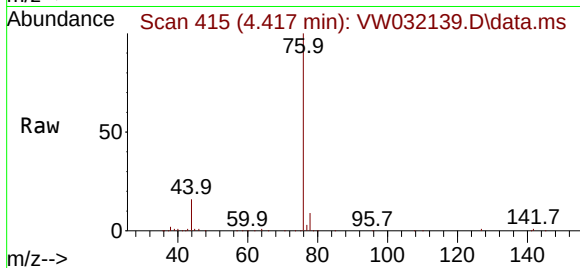




#17
Carbon Disulfide
Concen: 20.273 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

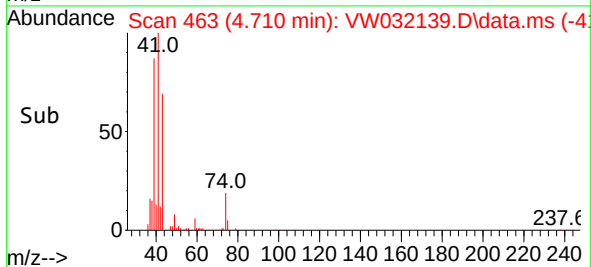
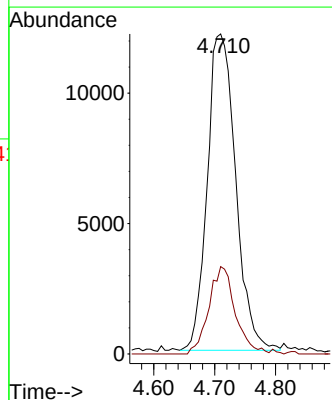
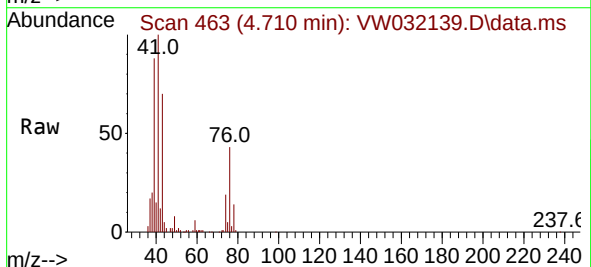
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

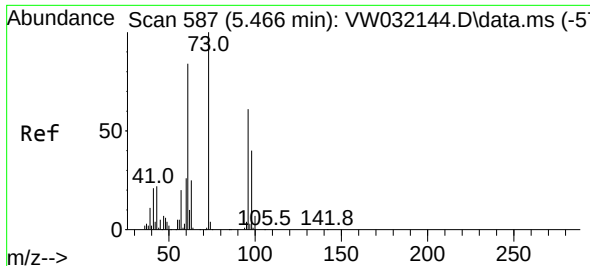
Tgt Ion: 76 Resp: 111058
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 19.232 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 43 Resp: 39333
Ion Ratio Lower Upper
43 100
74 25.6 20.2 30.4

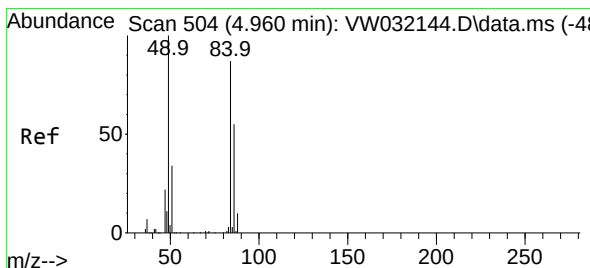
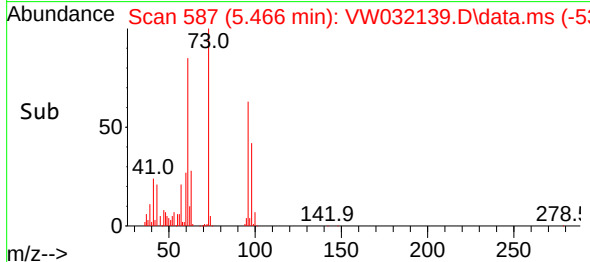
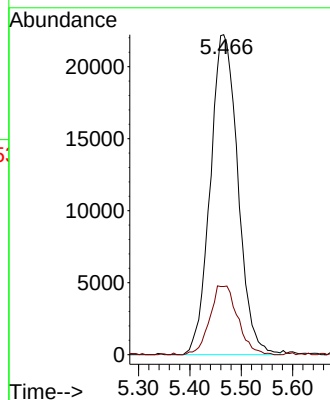
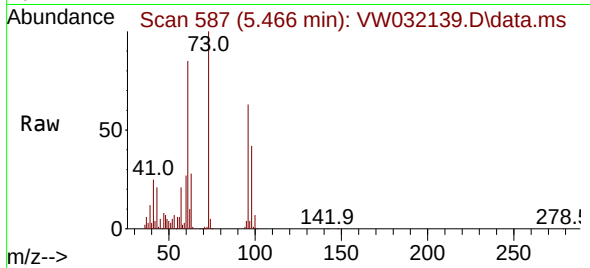




#19
Methyl tert-butyl Ether
Concen: 20.069 ug/l
RT: 5.466 min Scan# 587
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

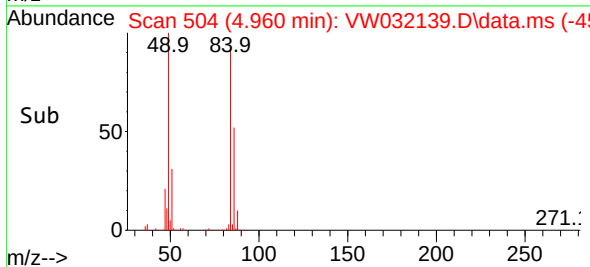
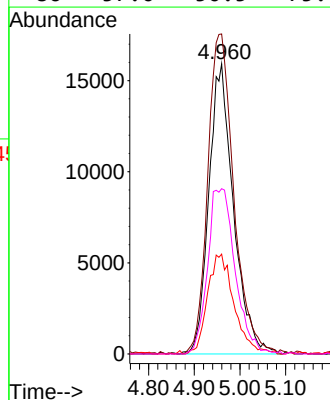
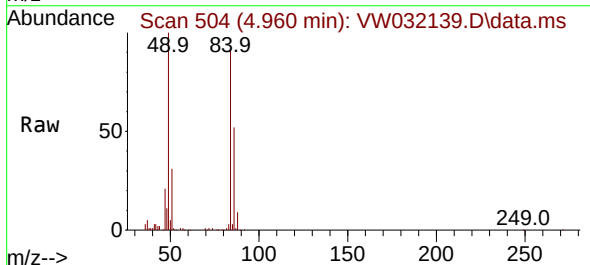
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

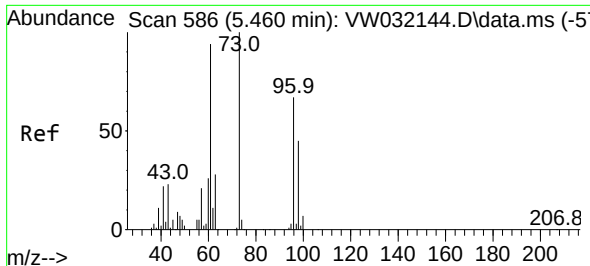
Tgt Ion: 73 Resp: 83004
Ion Ratio Lower Upper
73 100
57 21.3 16.2 24.4



#20
Methylene Chloride
Concen: 20.052 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 84 Resp: 59672
Ion Ratio Lower Upper
84 100
49 110.3 92.2 138.4
51 34.4 31.0 46.6
86 57.0 50.5 75.7

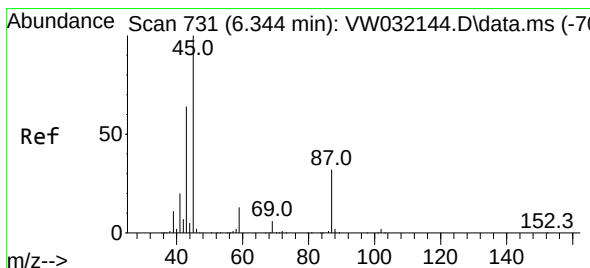
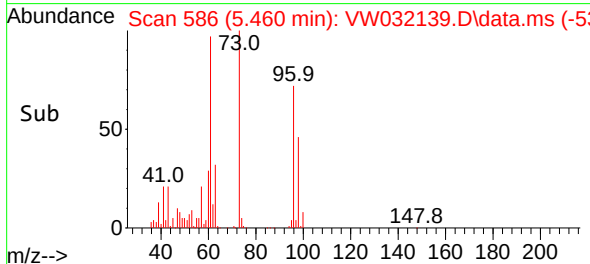
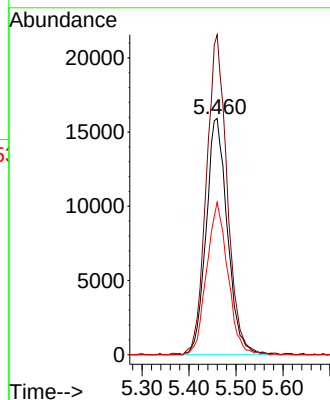
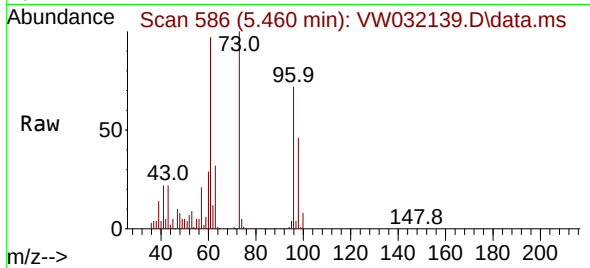




#21
trans-1,2-Dichloroethene
Concen: 20.469 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

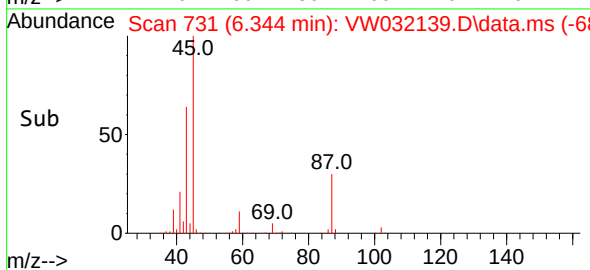
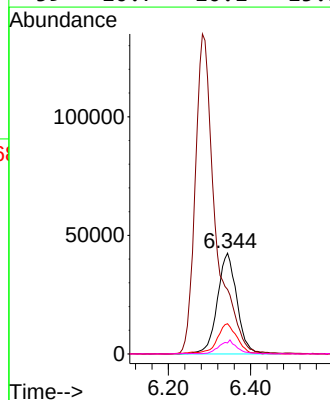
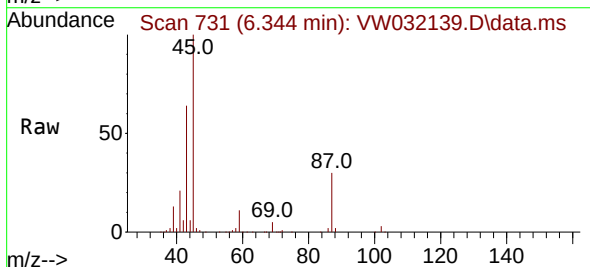
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

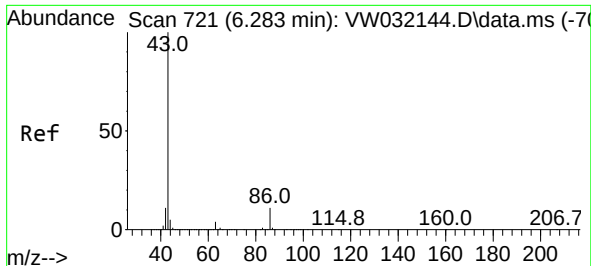
Tgt Ion: 96 Resp: 50083
Ion Ratio Lower Upper
96 100
61 135.5 112.5 168.7
98 64.6 54.2 81.4



#22
Diisopropyl ether
Concen: 20.752 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 45 Resp: 140521
Ion Ratio Lower Upper
45 100
43 63.2 51.4 77.2
87 29.7 25.9 38.9
59 10.7 10.1 15.1

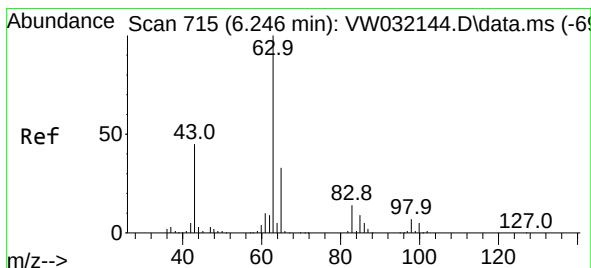
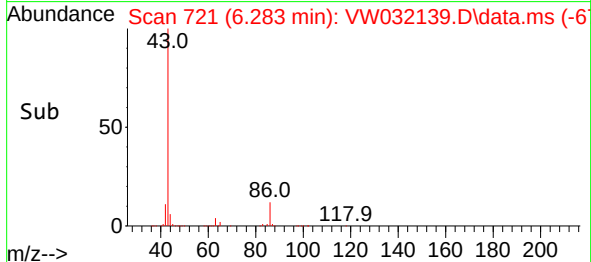
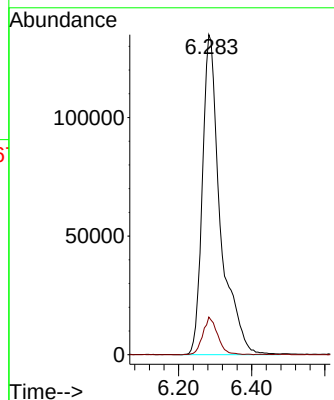
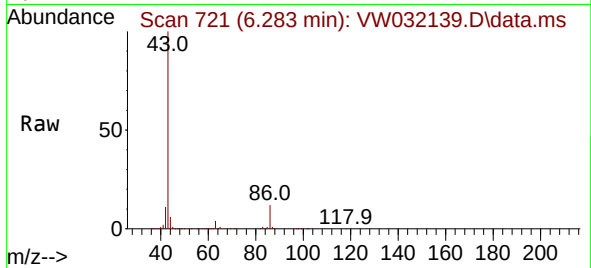




#23
 Vinyl Acetate
 Concen: 99.855 ug/l
 RT: 6.283 min Scan# 721
 Delta R.T. 0.000 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

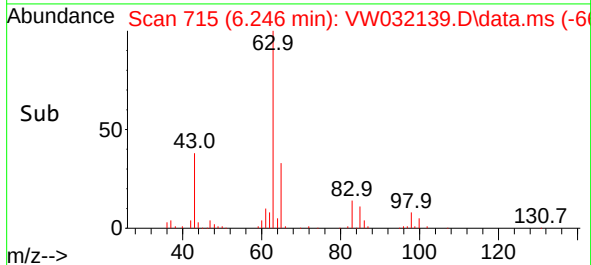
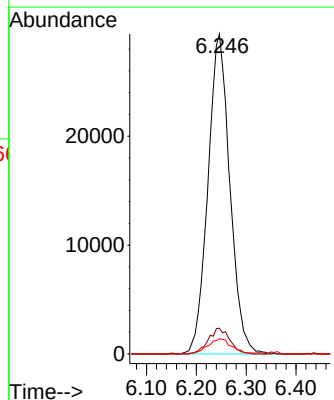
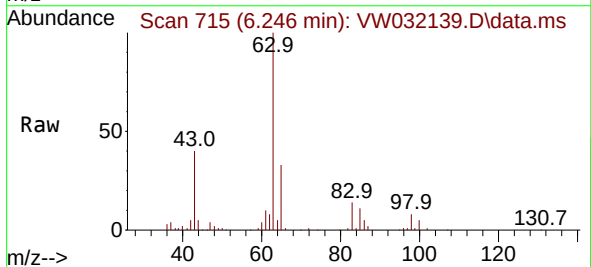
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

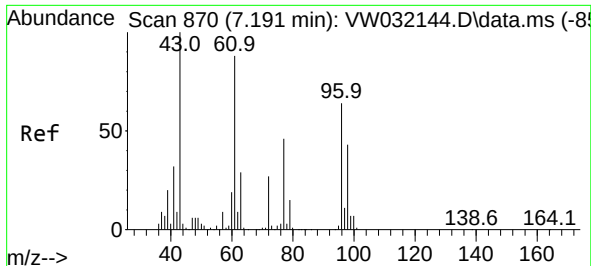
Tgt Ion: 43 Resp: 459708
 Ion Ratio Lower Upper
 43 100
 86 11.8 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 20.257 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

Tgt Ion: 63 Resp: 89798
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.8 11.2
 100 4.7 2.5 7.5

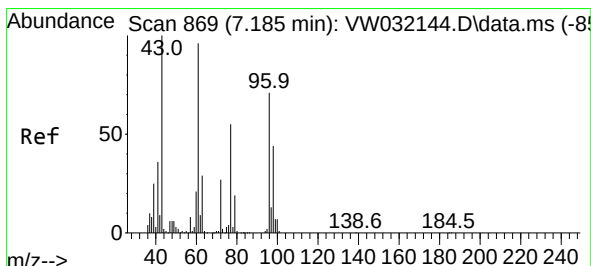
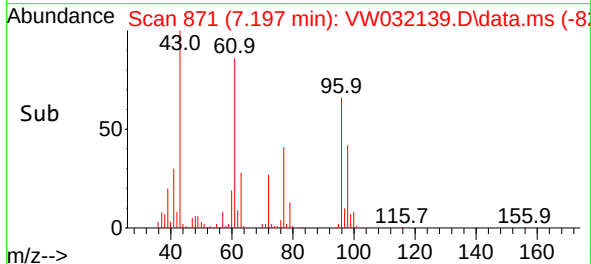
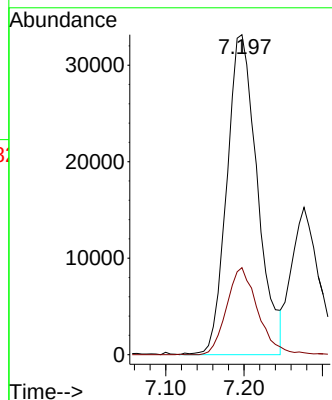
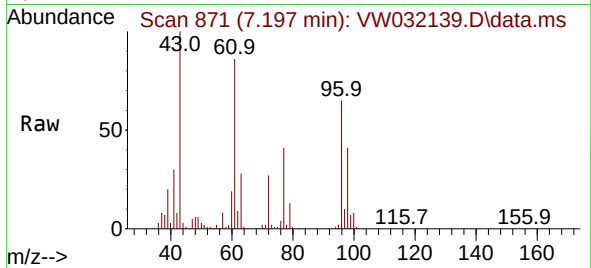




#25
2-Butanone
Concen: 98.843 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

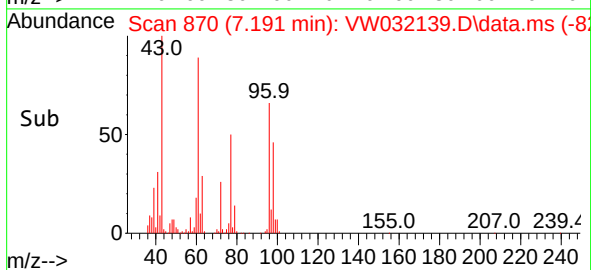
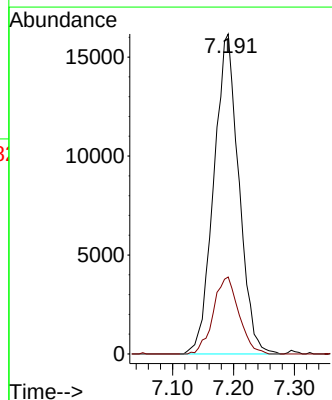
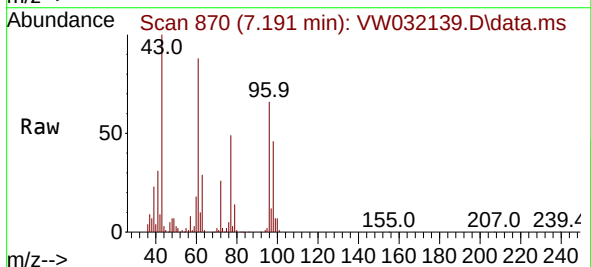
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

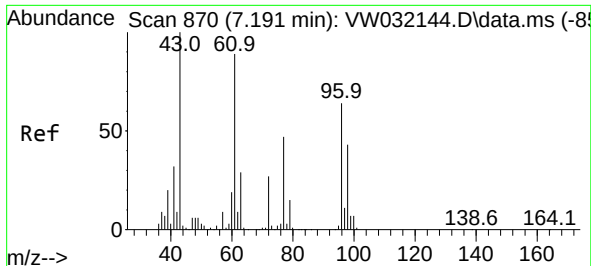
Tgt Ion: 43 Resp: 89904
Ion Ratio Lower Upper
43 100
72 27.0 21.4 32.2



#26
2,2-Dichloropropane
Concen: 19.654 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 77 Resp: 46138
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.111 ug/l

RT: 7.197 min Scan# 870

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

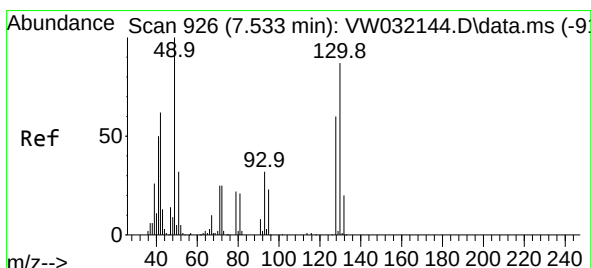
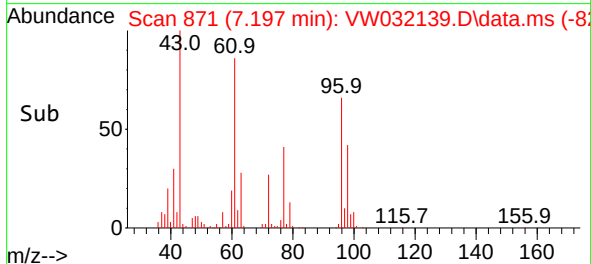
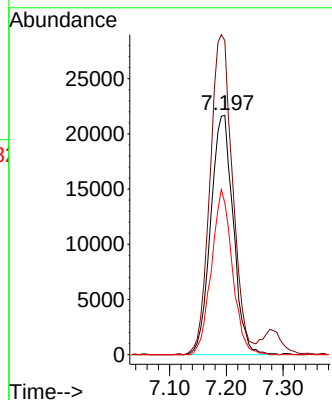
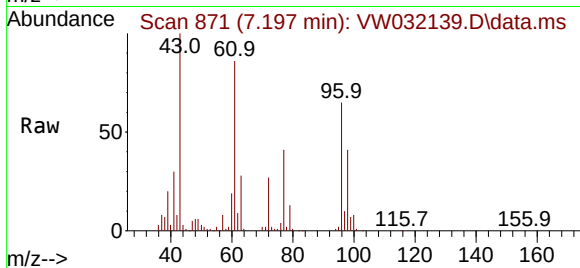
Tgt Ion: 96 Resp: 59877

Ion Ratio Lower Upper

96 100

61 134.2 0.0 268.0

98 63.9 0.0 130.8



#28

Bromochloromethane

Concen: 21.071 ug/l

RT: 7.533 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

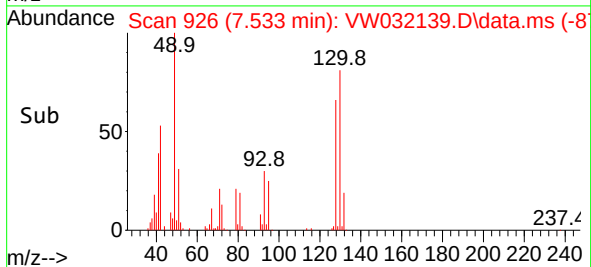
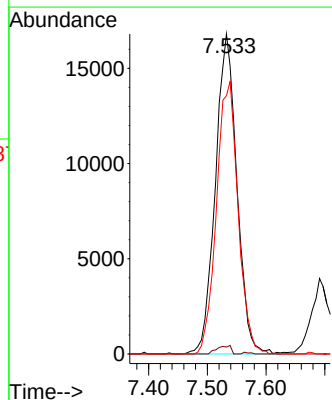
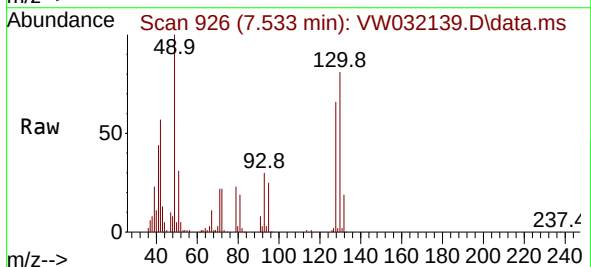
Tgt Ion: 49 Resp: 42759

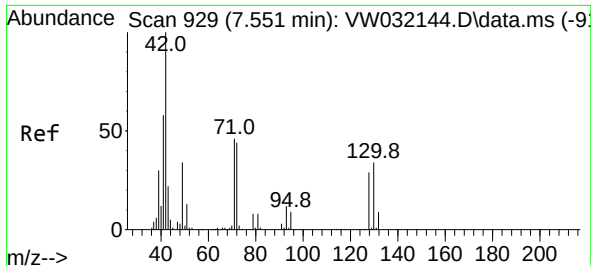
Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.2

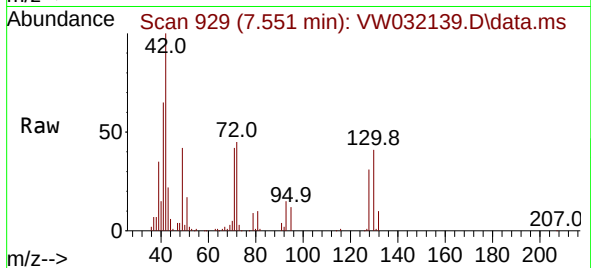
130 85.4 67.5 101.3



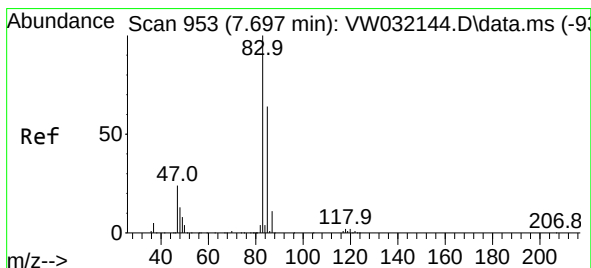
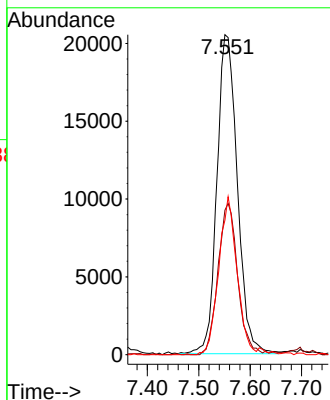
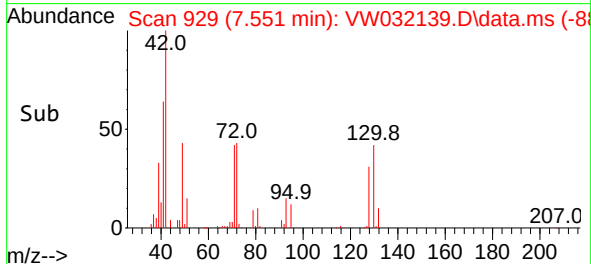


#29
Tetrahydrofuran
Concen: 97.972 ug/l
RT: 7.551 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

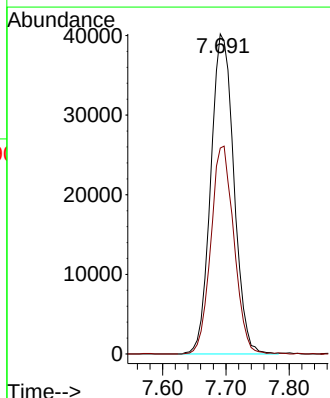
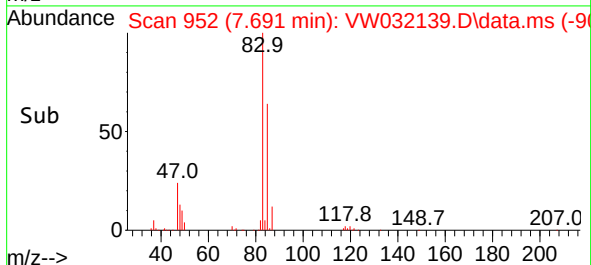
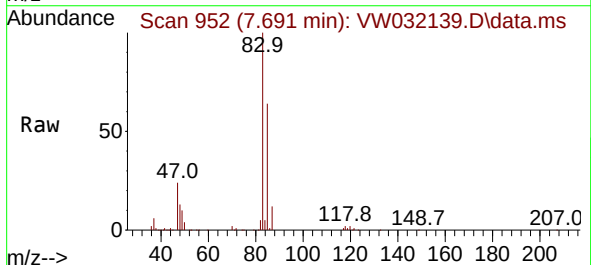


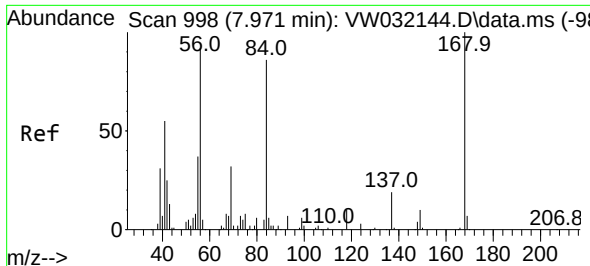
Tgt Ion: 42 Resp: 56627
Ion Ratio Lower Upper
42 100
72 45.7 37.4 56.2
71 44.1 36.0 54.0



#30
Chloroform
Concen: 20.129 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 83 Resp: 101880
Ion Ratio Lower Upper
83 100
85 64.4 51.2 76.8

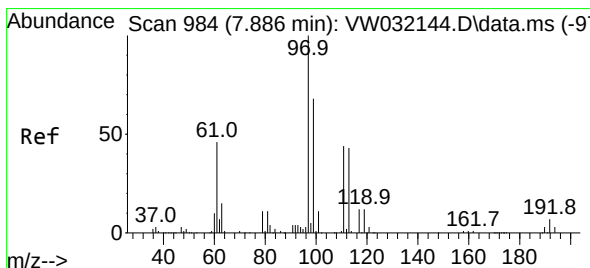
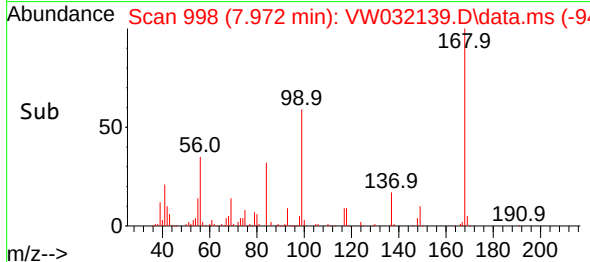
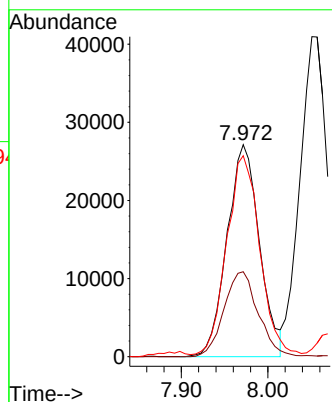
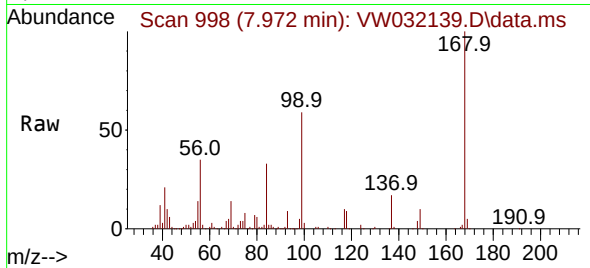




#31
Cyclohexane
Concen: 19.422 ug/l
RT: 7.972 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

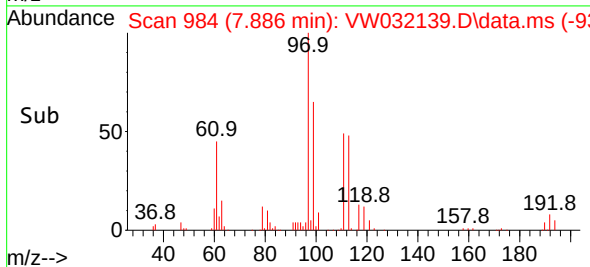
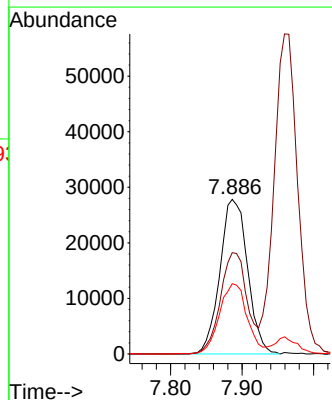
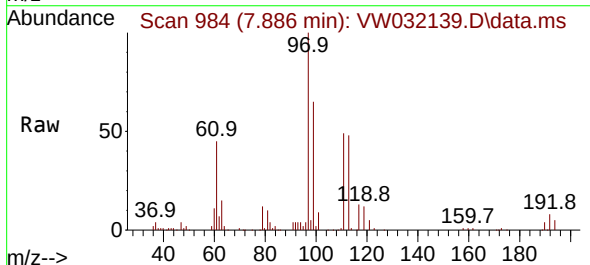
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

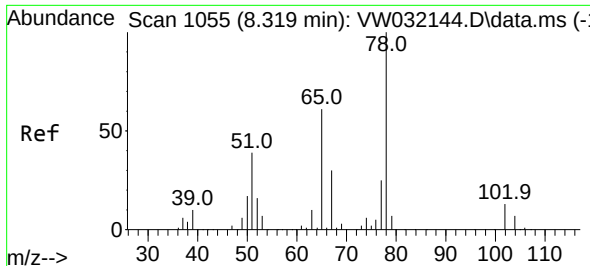
Tgt Ion: 56 Resp: 70667
Ion Ratio Lower Upper
56 100
69 40.0 27.7 41.5
84 92.3 74.6 112.0



#32
1,1,1-Trichloroethane
Concen: 20.210 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 97 Resp: 74668
Ion Ratio Lower Upper
97 100
99 63.9 50.9 76.3
61 45.3 36.2 54.4

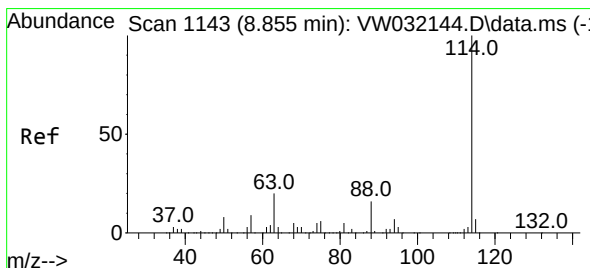
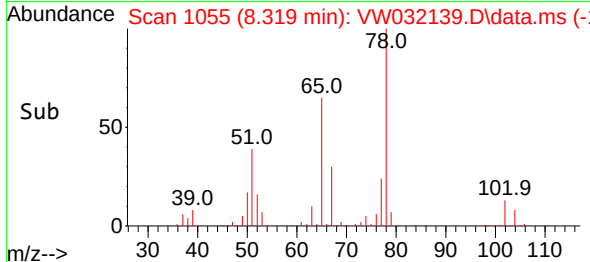
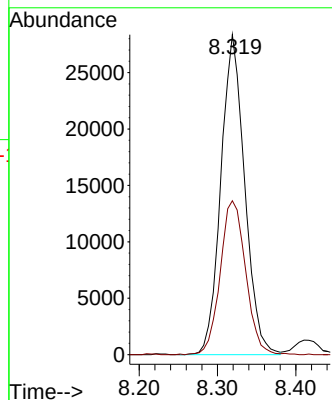
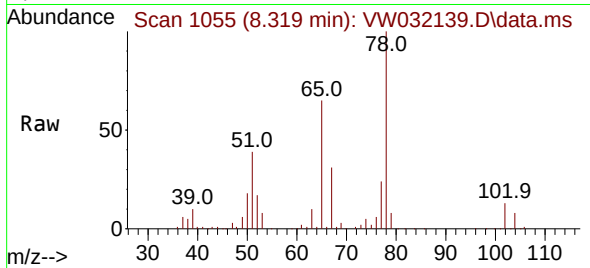




#33
 1,2-Dichloroethane-d4
 Concen: 20.227 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

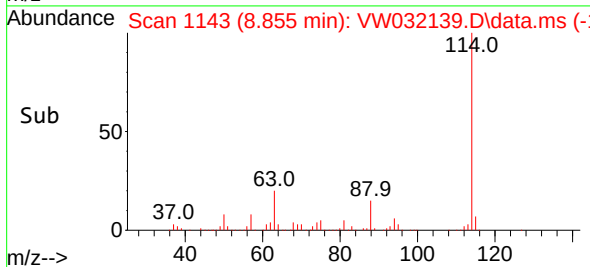
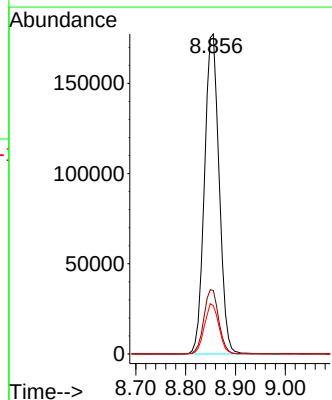
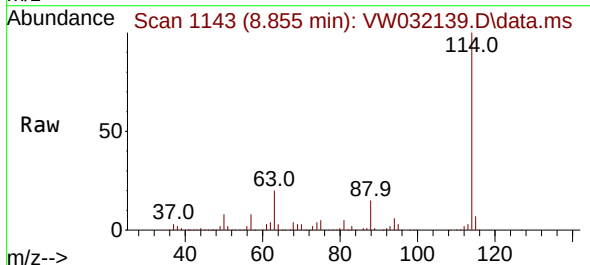
Instrument :
 MSVOA_W
 ClientSampleId :
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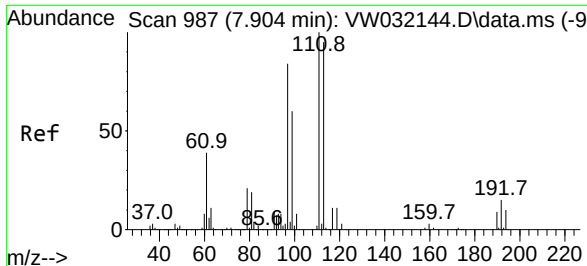
Tgt Ion: 65 Resp: 59949
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

Tgt Ion: 114 Resp: 361729
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.4
 88 15.1 0.0 32.0

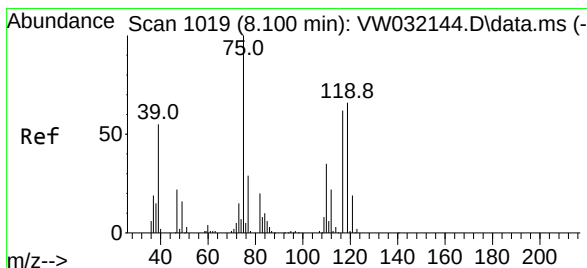
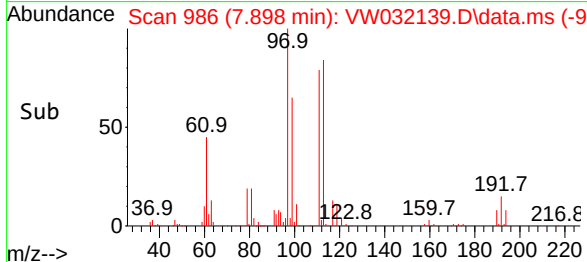
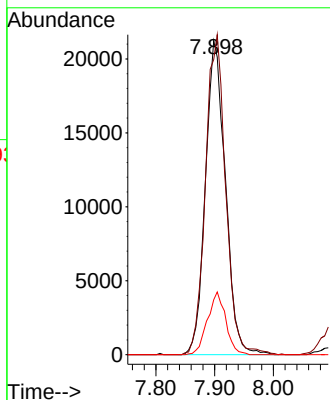
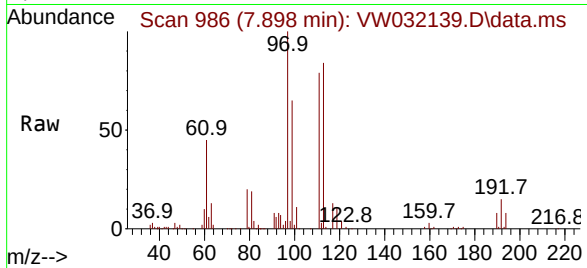




#35
 Dibromofluoromethane
 Concen: 19.778 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

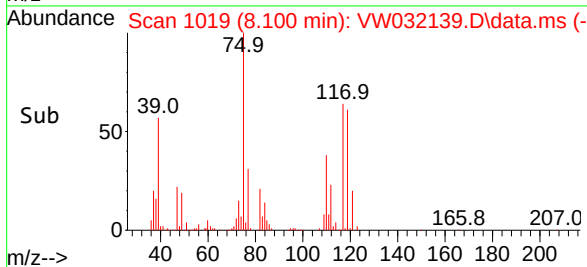
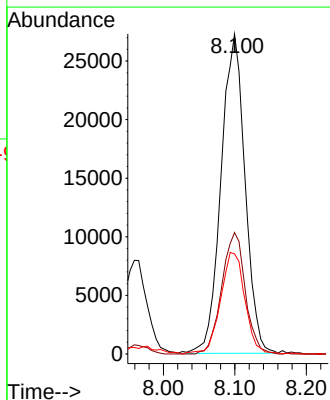
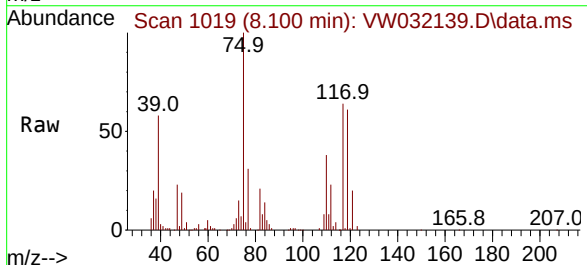
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

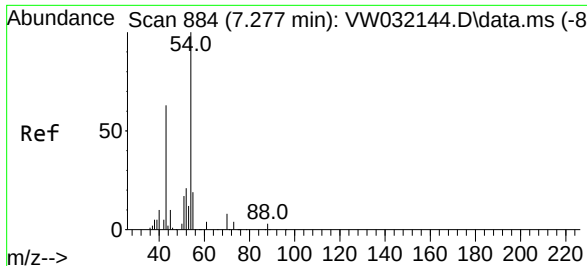
Tgt Ion:113 Resp: 50193
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.9 125.9
 192 18.3 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 19.299 ug/l
 RT: 8.100 min Scan# 1019
 Delta R.T. 0.000 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

Tgt Ion: 75 Resp: 63503
 Ion Ratio Lower Upper
 75 100
 110 37.3 17.5 52.5
 77 32.3 24.1 36.1

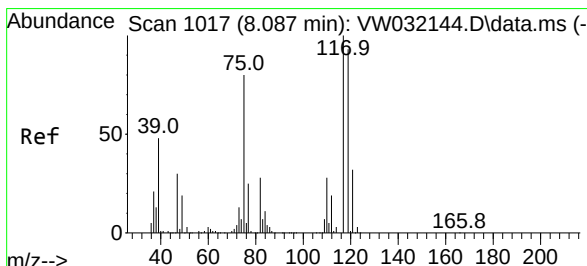
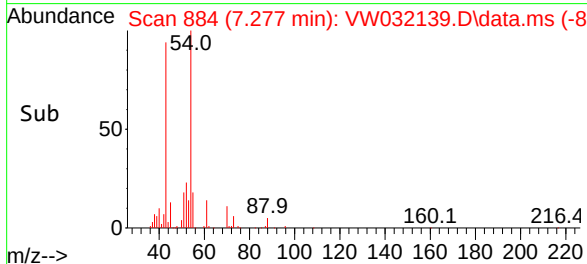
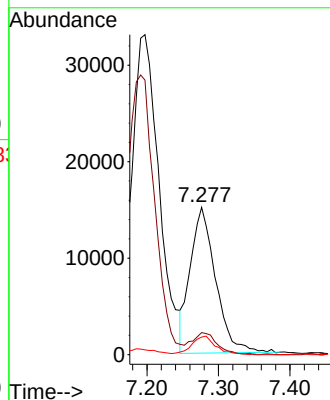
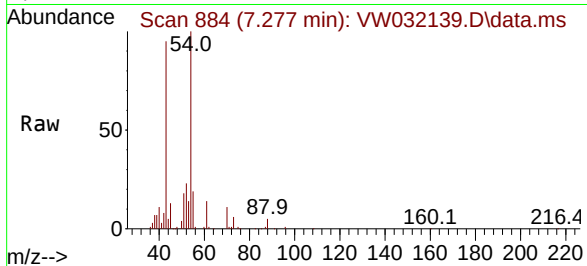




#37
Ethyl Acetate
Concen: 18.873 ug/l
RT: 7.277 min Scan# 884
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

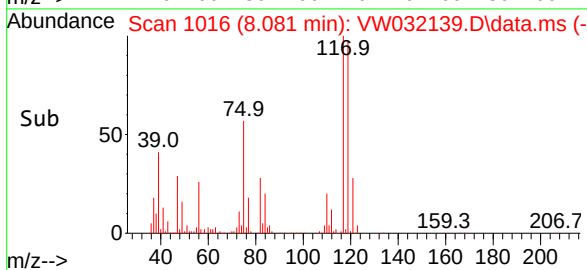
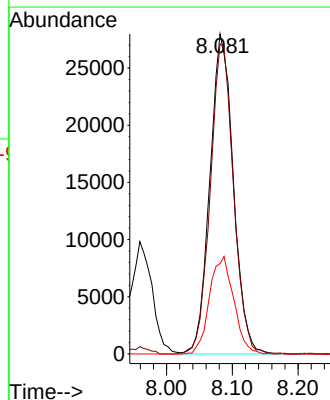
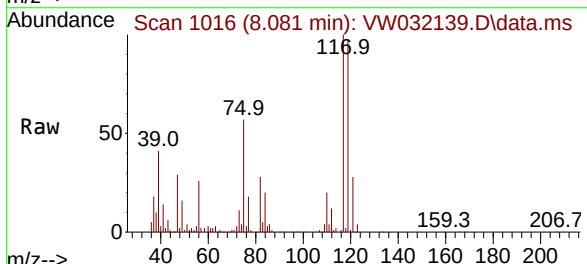
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

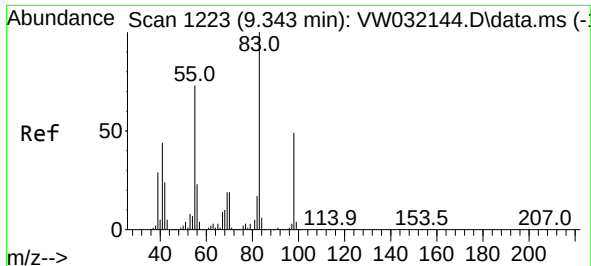
Tgt Ion: 43 Resp: 37254
Ion Ratio Lower Upper
43 100
61 14.9 11.3 16.9
70 12.1 8.9 13.3



#38
Carbon Tetrachloride
Concen: 19.703 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 117 Resp: 69501
Ion Ratio Lower Upper
117 100
119 96.7 74.2 111.2
121 28.2 25.6 38.4

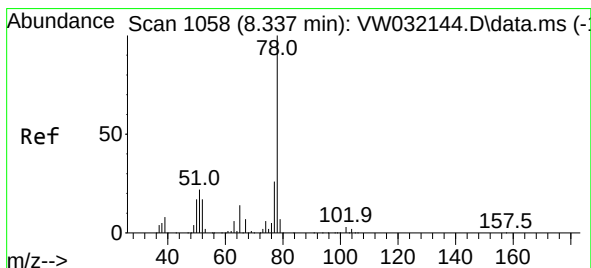
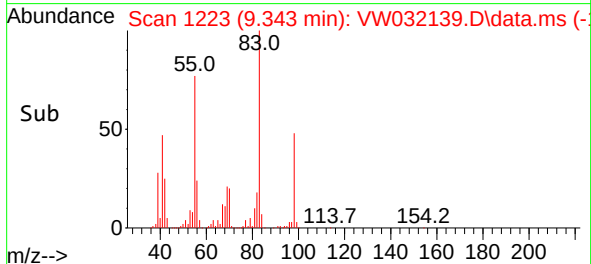
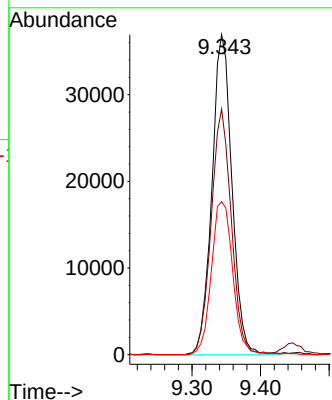
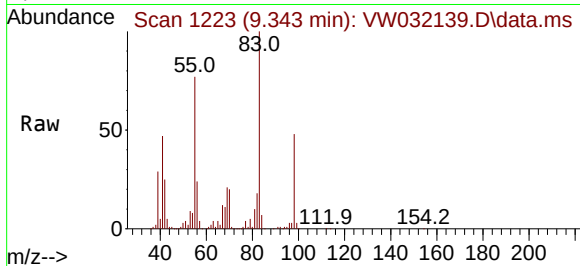




#39
Methylcyclohexane
Concen: 19.204 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

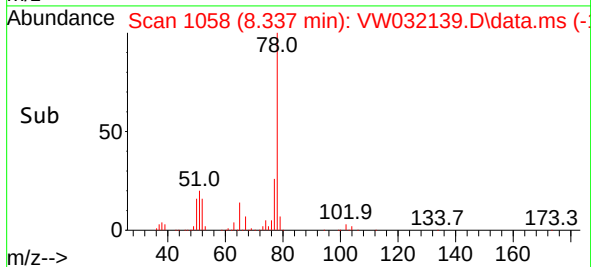
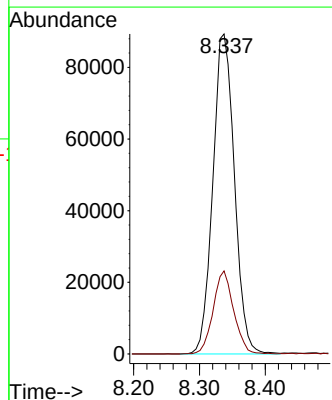
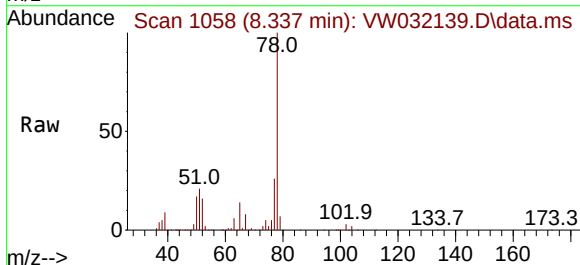
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

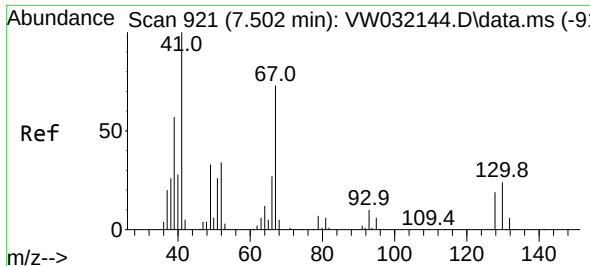
Tgt Ion: 83 Resp: 74848
Ion Ratio Lower Upper
83 100
55 76.8 58.4 87.6
98 47.8 39.4 59.2



#40
Benzene
Concen: 20.078 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 78 Resp: 204224
Ion Ratio Lower Upper
78 100
77 25.9 20.7 31.1

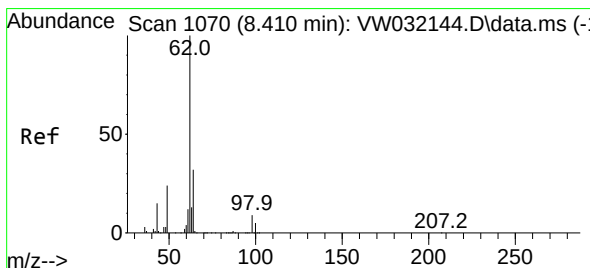
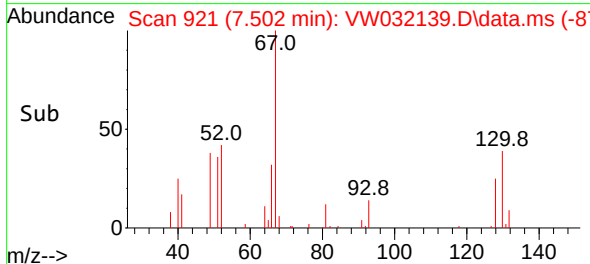
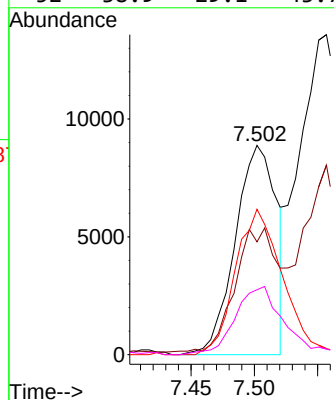
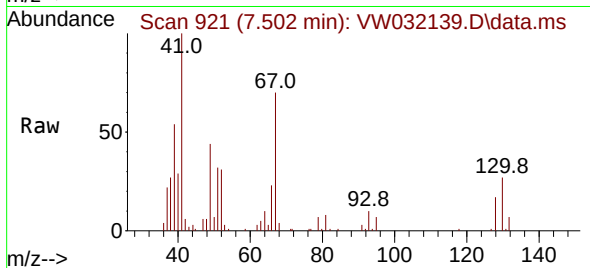




#41
Methacrylonitrile
Concen: 18.417 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

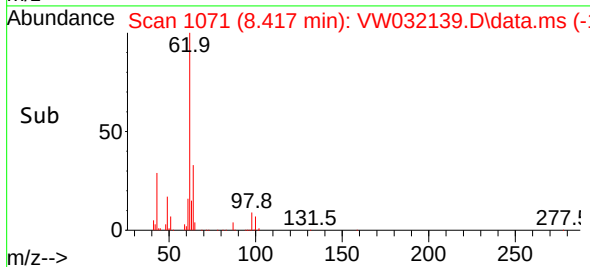
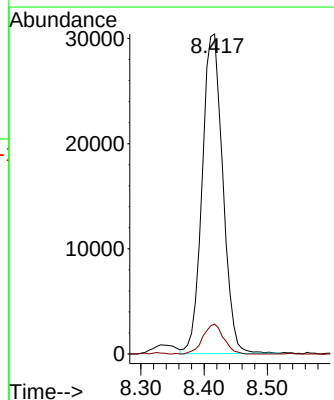
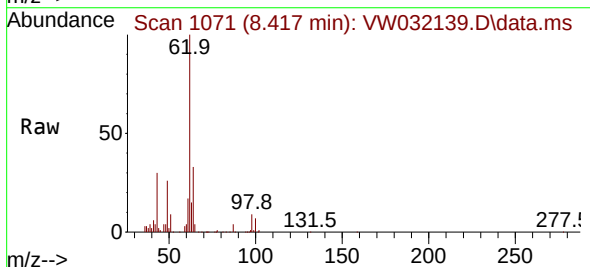
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ClientSampleId :
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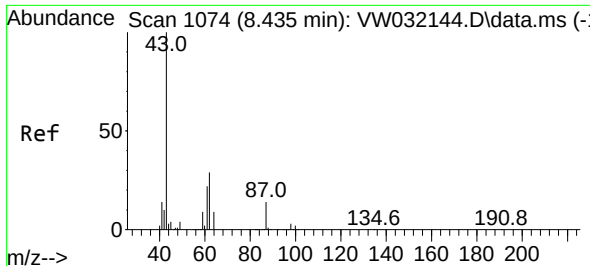
Tgt Ion: 41	Resp: 20198
Ion Ratio	Lower Upper
41 100	
39 59.1	50.9 76.3
67 79.2	65.6 98.4
52 38.9	29.1 43.7



#42
1,2-Dichloroethane
Concen: 19.538 ug/l
RT: 8.417 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 62	Resp: 68894
Ion Ratio	Lower Upper
62 100	
98 9.4	0.0 18.0

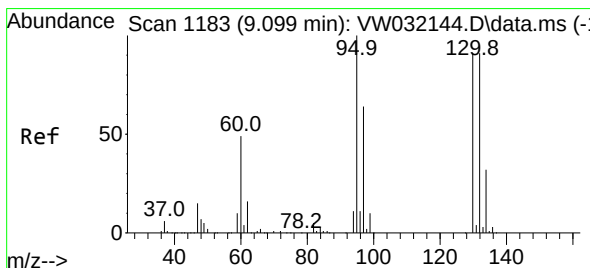
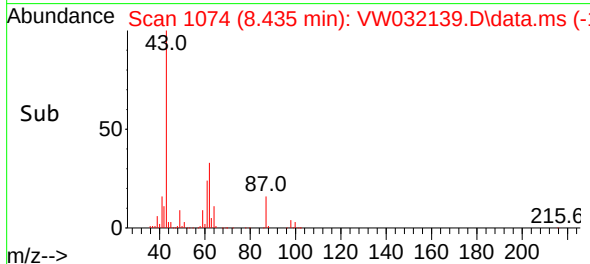
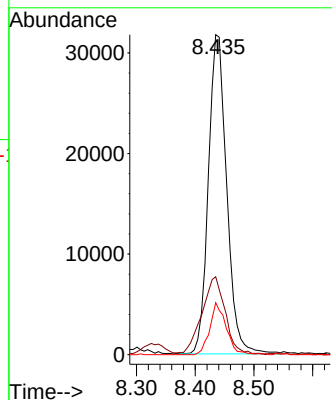
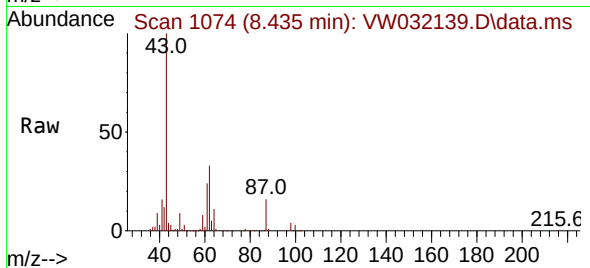




#43
Isopropyl Acetate
Concen: 18.582 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

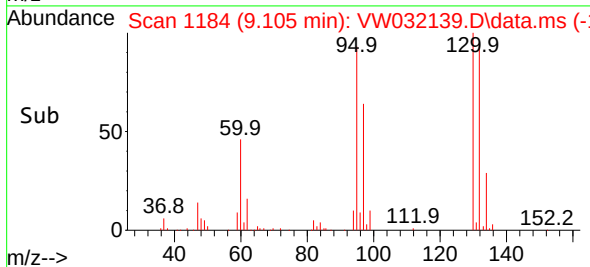
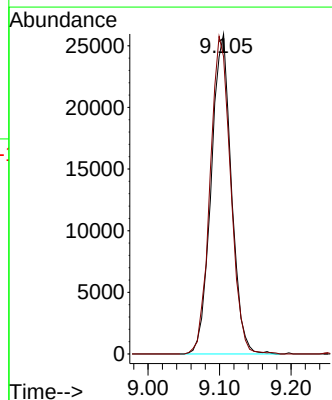
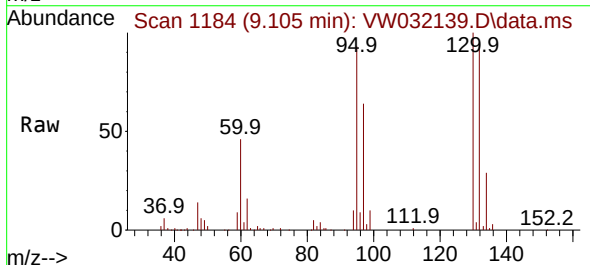
Instrument :
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ClientSampleId :
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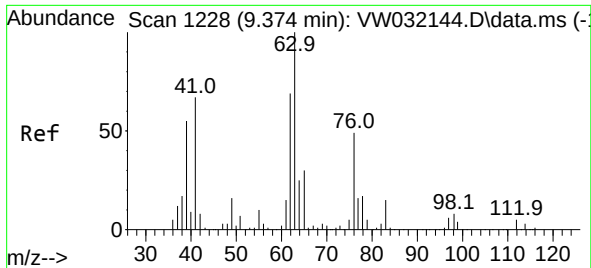
Tgt Ion: 43 Resp: 68811
Ion Ratio Lower Upper
43 100
61 31.3 23.3 34.9
87 14.5 11.1 16.7



#44
Trichloroethene
Concen: 19.893 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion:130 Resp: 50885
Ion Ratio Lower Upper
130 100
95 92.9 0.0 220.0

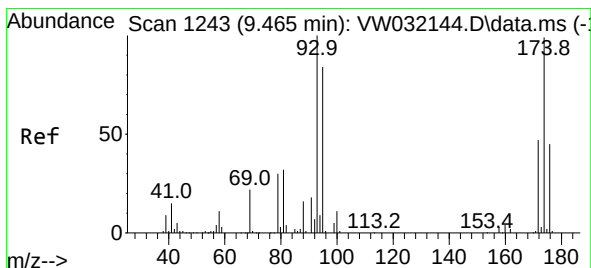
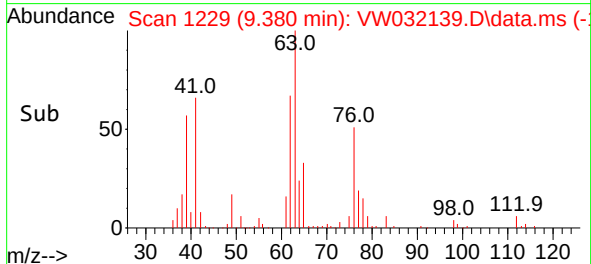
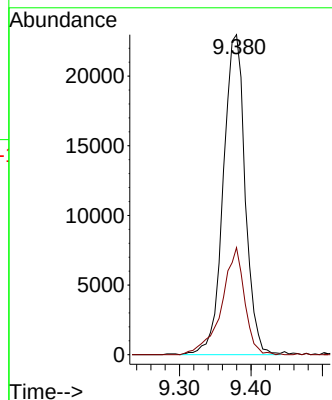
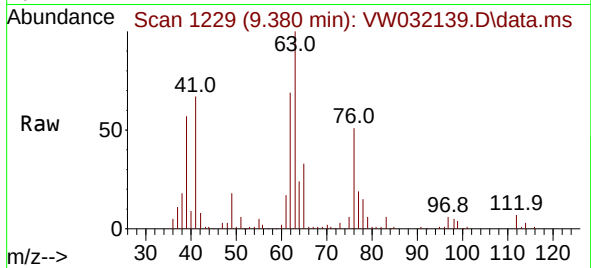




#45
1,2-Dichloropropane
Concen: 19.865 ug/l
RT: 9.380 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

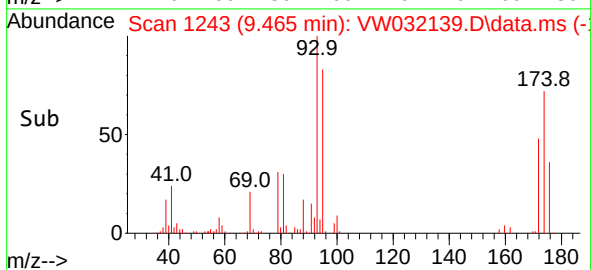
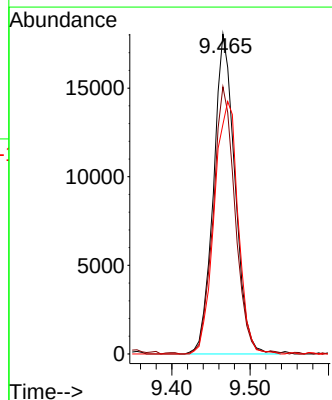
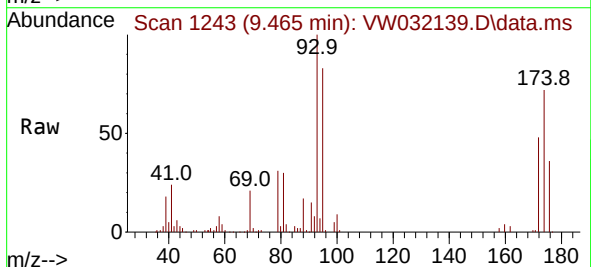
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

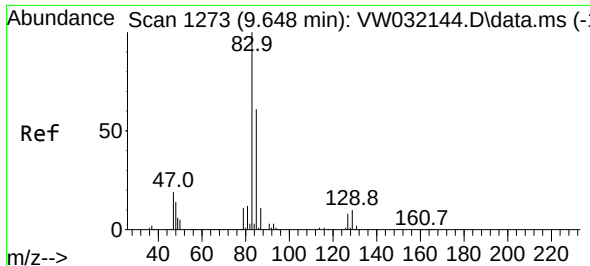
Tgt Ion: 63 Resp: 48708
Ion Ratio Lower Upper
63 100
65 33.5 24.3 36.5



#46
Dibromomethane
Concen: 20.064 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 93 Resp: 34506
Ion Ratio Lower Upper
93 100
95 85.1 67.4 101.2
174 87.1 75.7 113.5

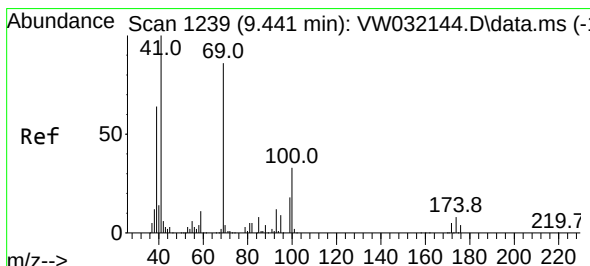
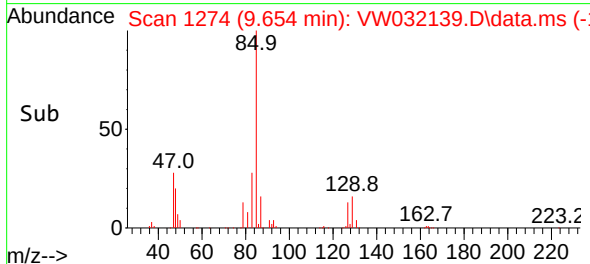
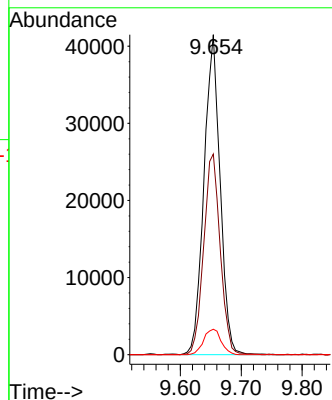
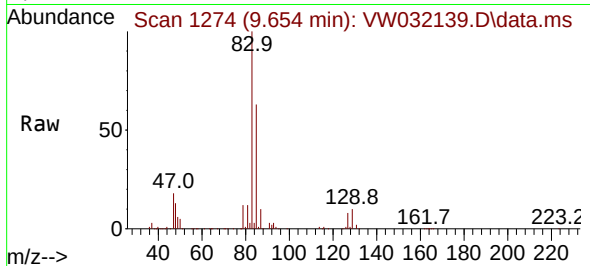




#47
Bromodichloromethane
Concen: 19.528 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

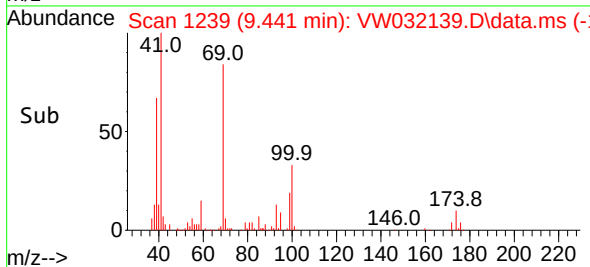
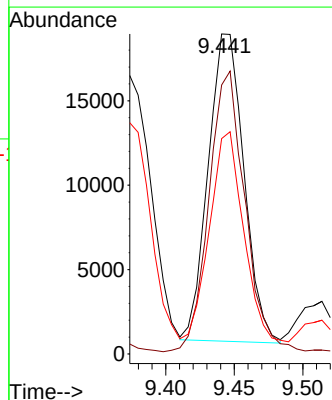
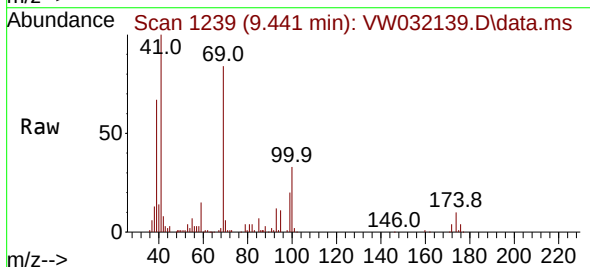
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

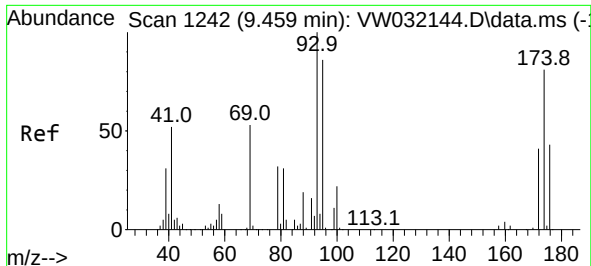
Tgt Ion: 83 Resp: 76320
Ion Ratio Lower Upper
83 100
85 62.7 48.7 73.1
127 8.0 6.4 9.6



#48
Methyl methacrylate
Concen: 19.347 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 41 Resp: 33017
Ion Ratio Lower Upper
41 100
69 96.0 71.5 107.3
39 72.7 55.9 83.9





#49

1,4-Dioxane

Concen: 431.107 ug/l

RT: 9.465 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

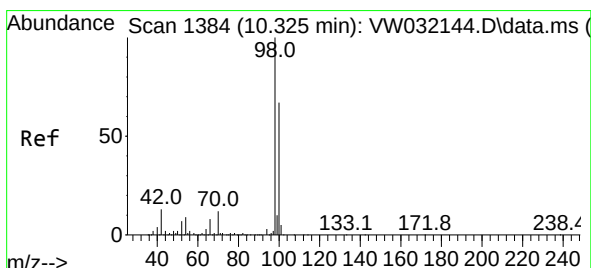
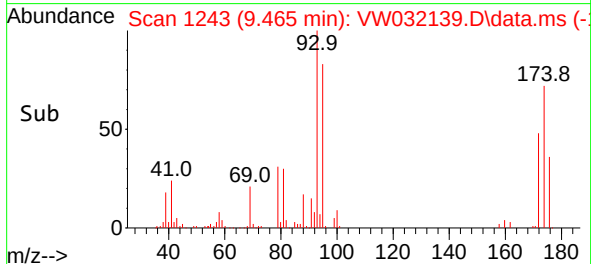
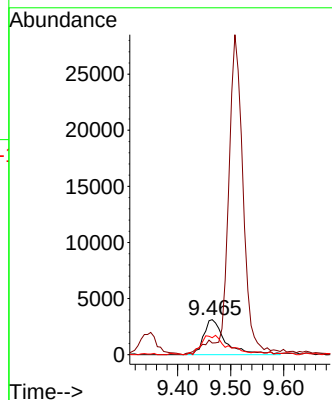
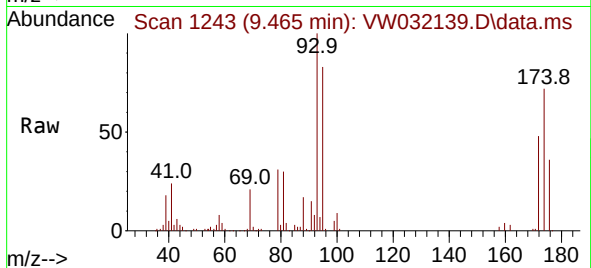
Tgt Ion: 88 Resp: 8958

Ion Ratio Lower Upper

88 100

43 23.9 18.0 27.0

58 64.3 55.4 83.0



#50

Toluene-d8

Concen: 20.051 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032139.D

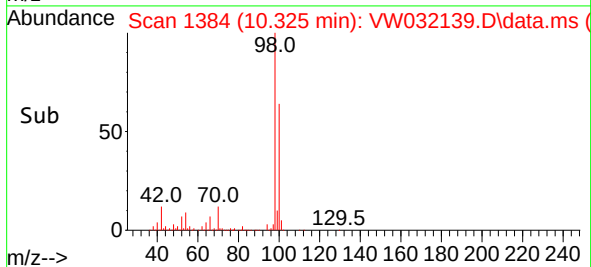
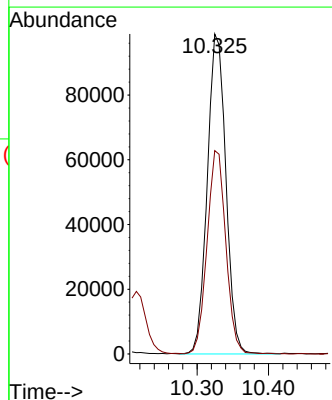
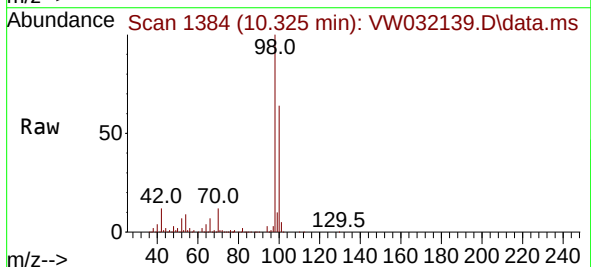
Acq: 26 Aug 2025 10:45

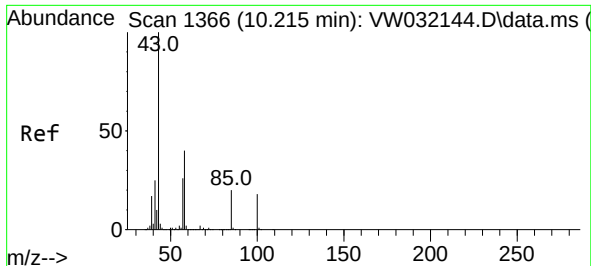
Tgt Ion: 98 Resp: 178639

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2

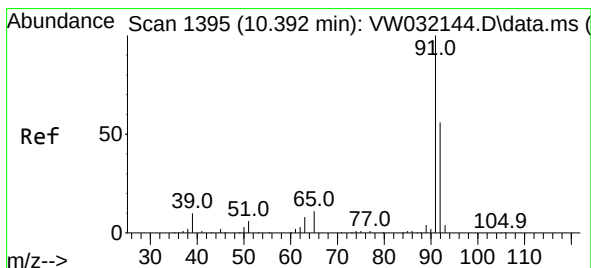
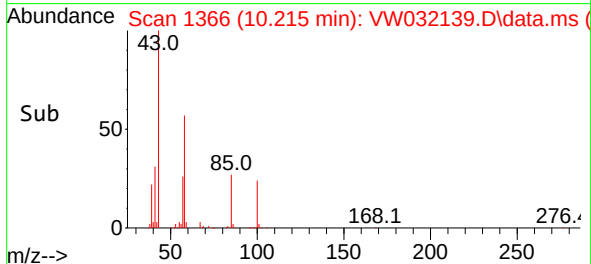
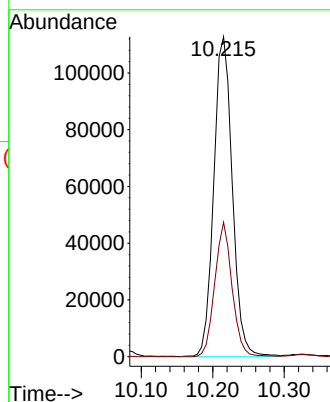
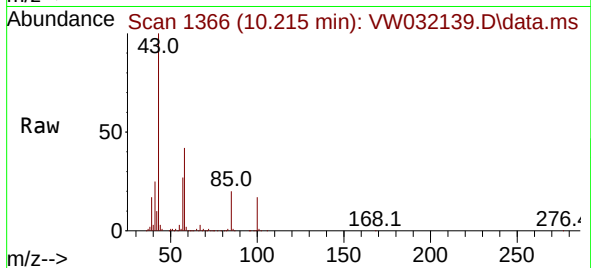




#51
4-Methyl-2-Pentanone
Concen: 97.262 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

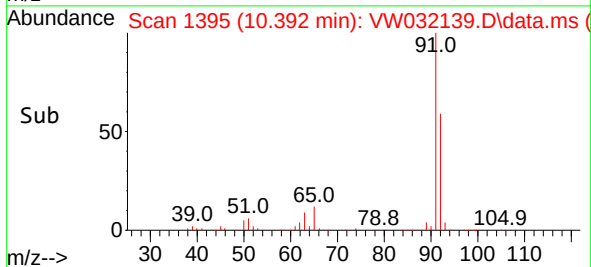
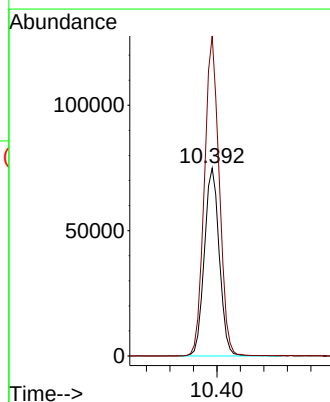
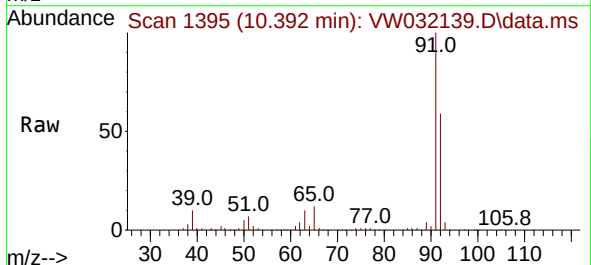
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

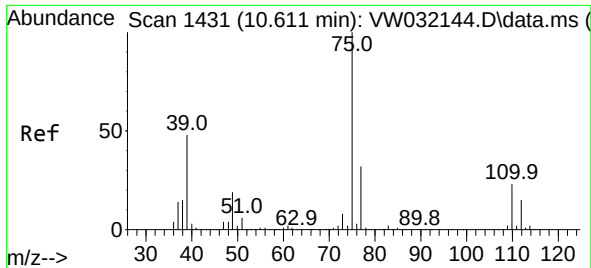
Tgt Ion: 43 Resp: 203375
Ion Ratio Lower Upper
43 100
58 39.2 32.0 48.0



#52
Toluene
Concen: 19.861 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 92 Resp: 132013
Ion Ratio Lower Upper
92 100
91 169.6 137.5 206.3

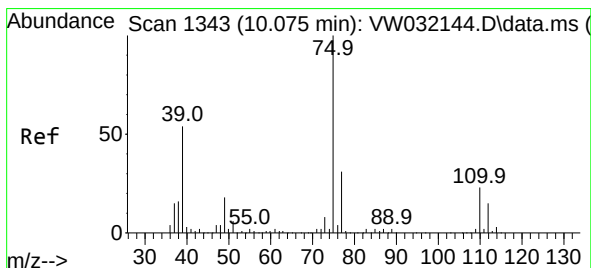
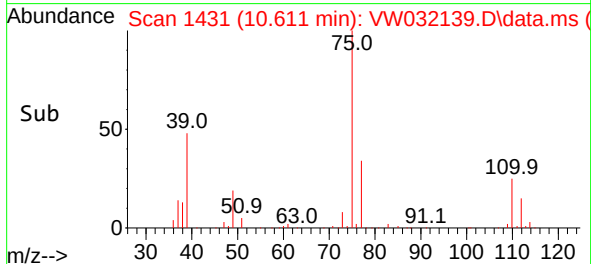
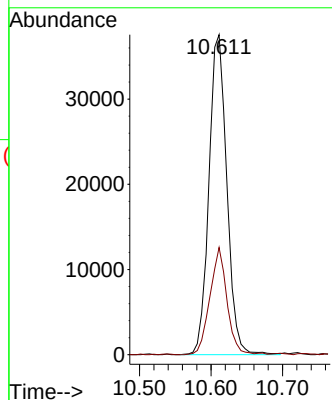
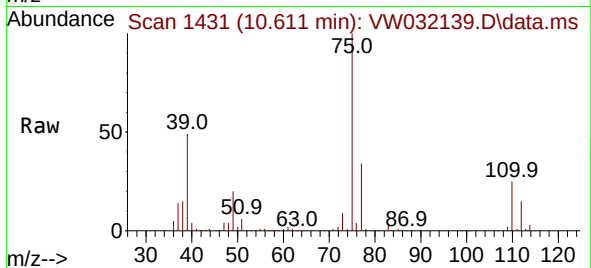




#53
 t-1,3-Dichloropropene
 Concen: 18.922 ug/l
 RT: 10.611 min Scan# 1431
 Delta R.T. 0.000 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

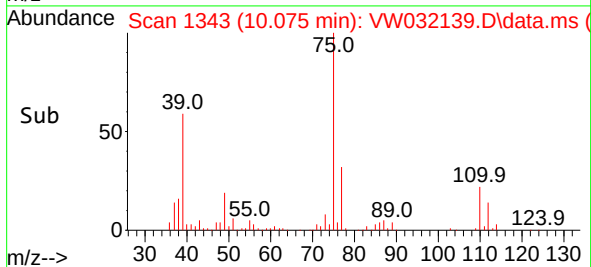
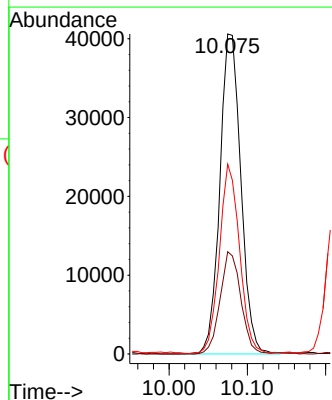
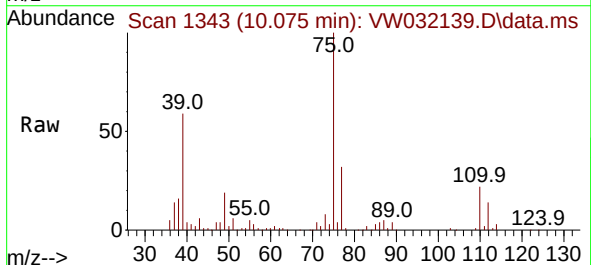
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

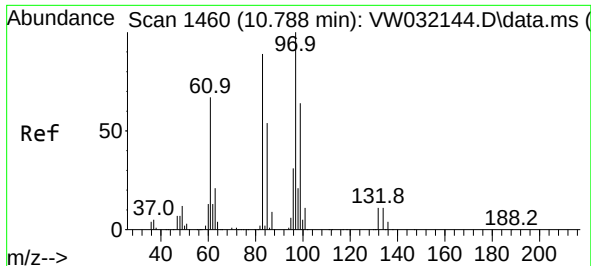
Tgt Ion: 75 Resp: 65239
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 19.244 ug/l
 RT: 10.075 min Scan# 1343
 Delta R.T. 0.000 min
 Lab File: VW032139.D
 Acq: 26 Aug 2025 10:45

Tgt Ion: 75 Resp: 75706
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7
 39 58.9 43.2 64.8

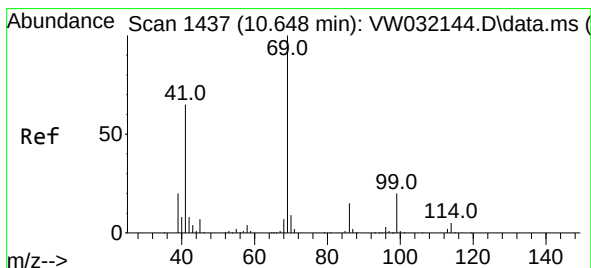
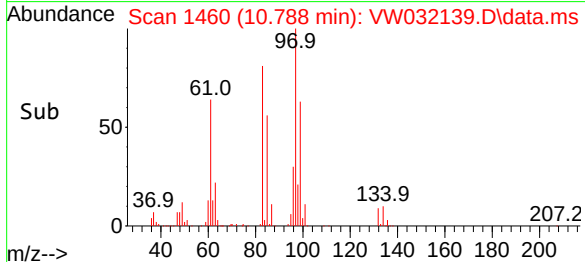
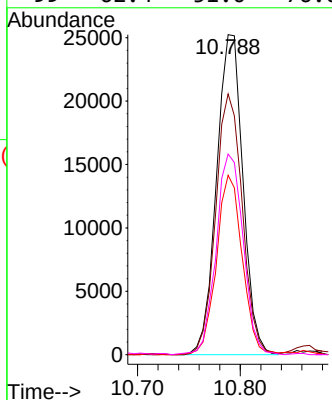
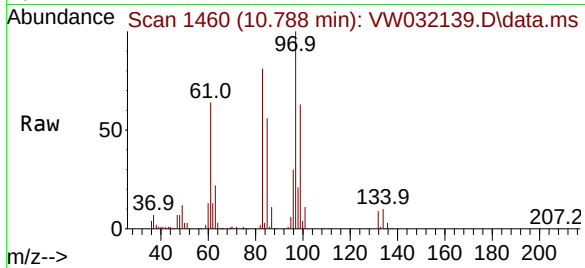




#55
1,1,2-Trichloroethane
Concen: 20.135 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

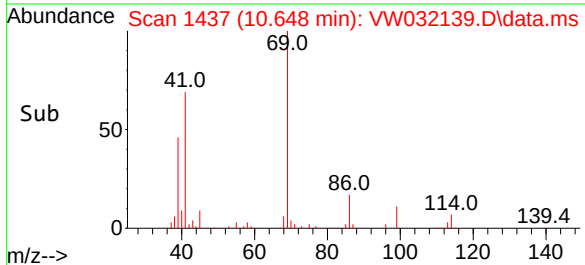
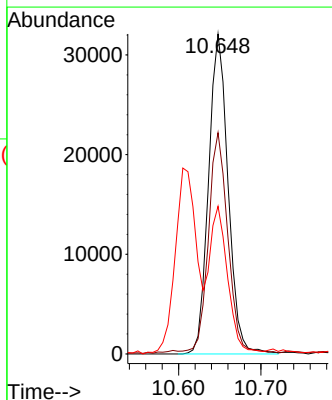
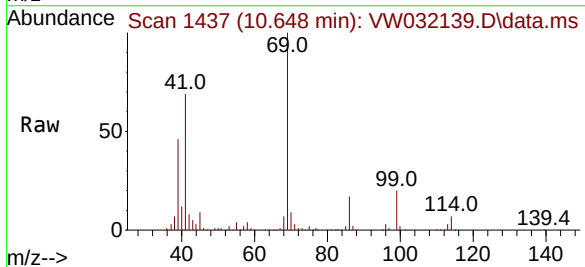
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

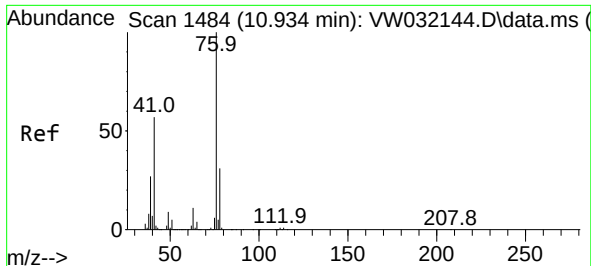
Tgt Ion:	97	Resp:	45028
Ion	Ratio	Lower	Upper
97	100		
83	81.5	71.0	106.6
85	56.0	42.8	64.2
99	62.4	51.0	76.6



#56
Ethyl methacrylate
Concen: 18.528 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion:	69	Resp:	52974
Ion	Ratio	Lower	Upper
69	100		
41	69.7	53.2	79.8
39	41.8	32.9	49.3

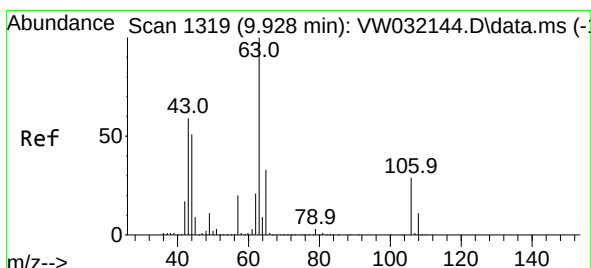
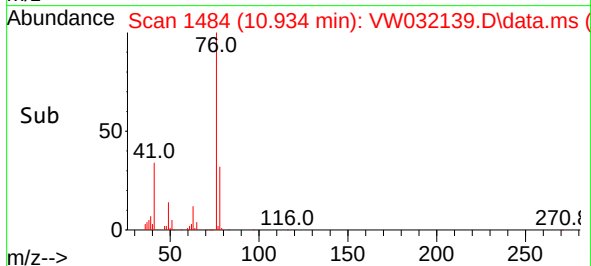
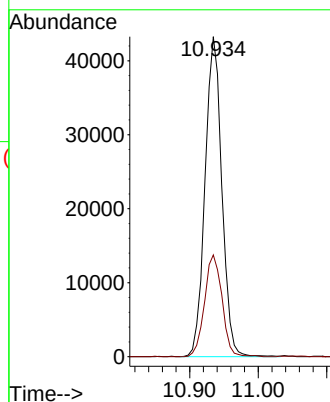
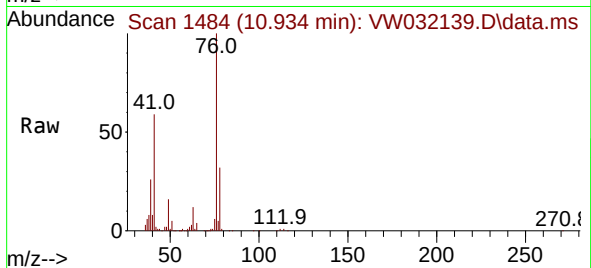




#57
1,3-Dichloropropane
Concen: 19.709 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

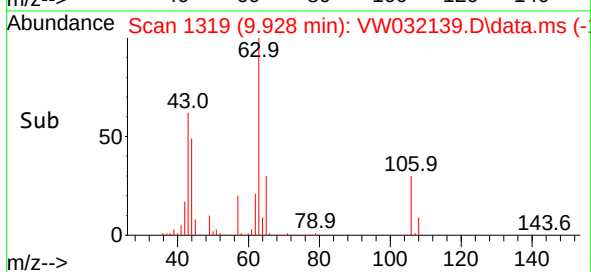
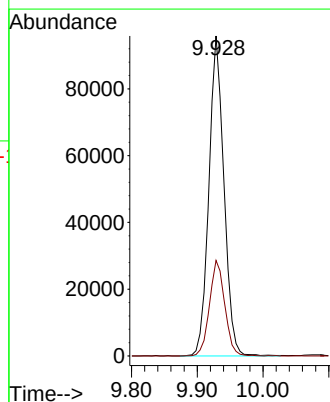
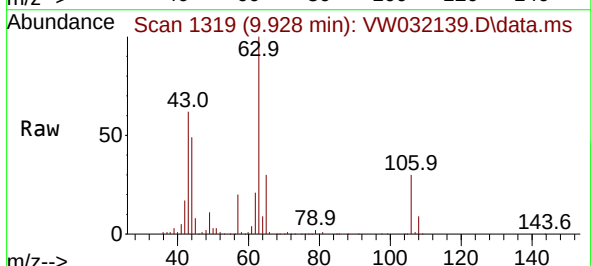
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

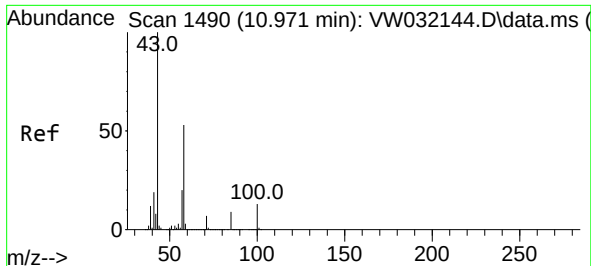
Tgt Ion: 76 Resp: 73802
Ion Ratio Lower Upper
76 100
78 33.2 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 99.976 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 63 Resp: 152569
Ion Ratio Lower Upper
63 100
106 30.3 24.3 36.5

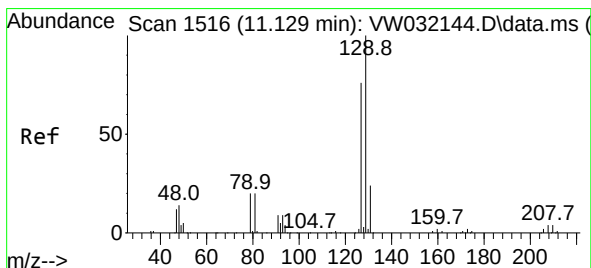
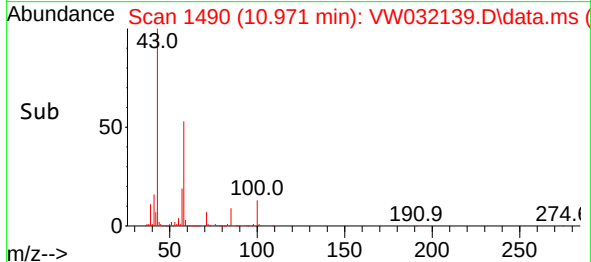
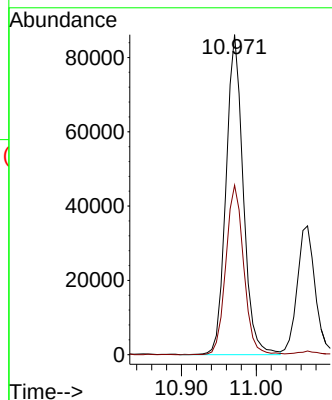
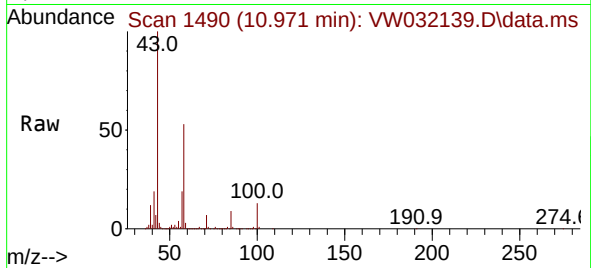




#59
2-Hexanone
Concen: 95.057 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

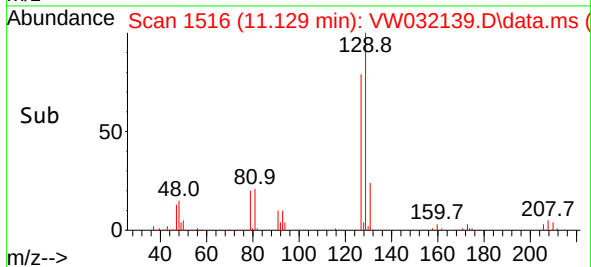
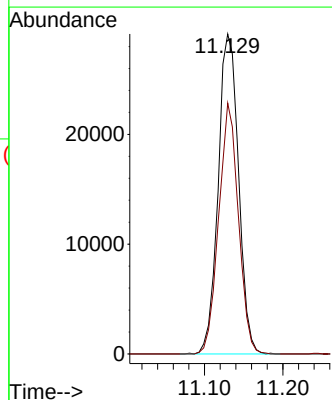
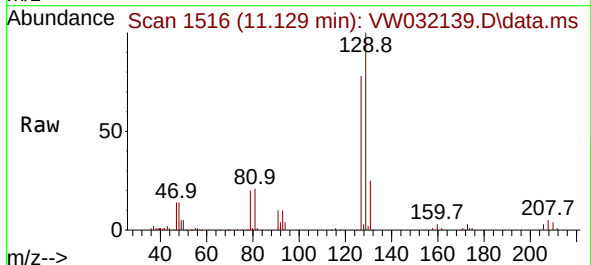
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

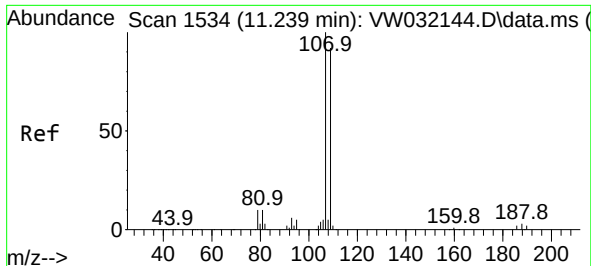
Tgt Ion: 43 Resp: 138236
Ion Ratio Lower Upper
43 100
58 54.8 27.5 82.4



#60
Dibromochloromethane
Concen: 19.443 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 129 Resp: 52616
Ion Ratio Lower Upper
129 100
127 75.7 38.1 114.5

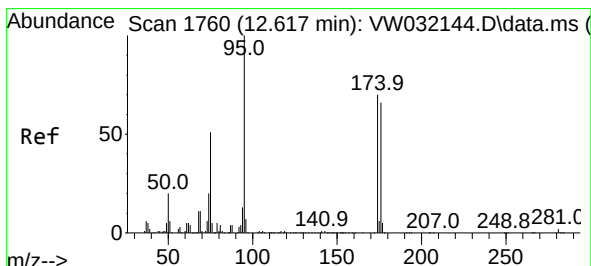
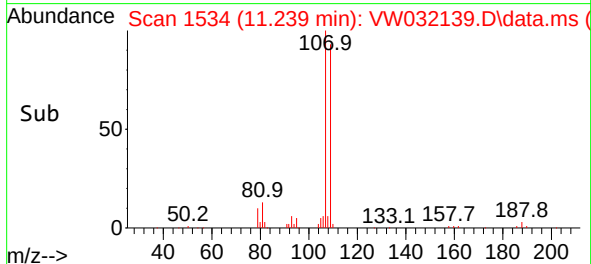
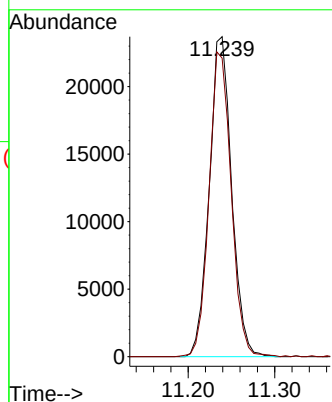
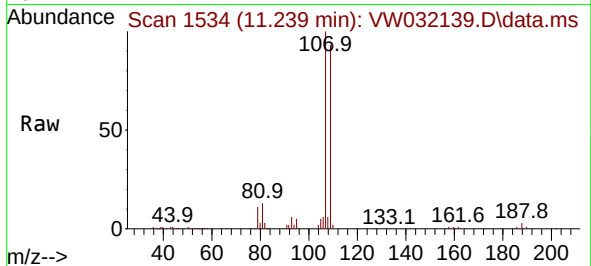




#61
1,2-Dibromoethane
Concen: 19.344 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

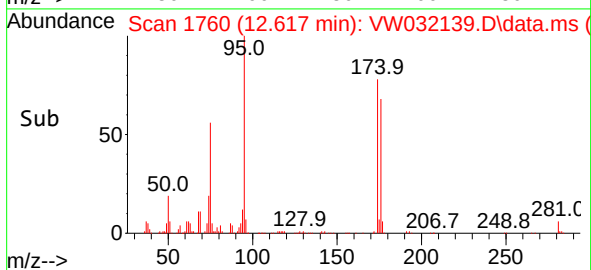
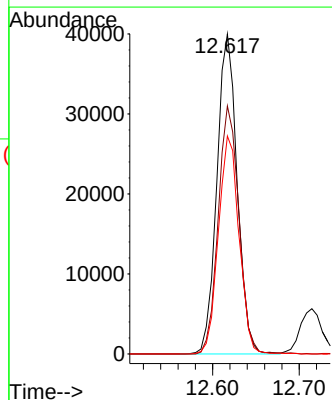
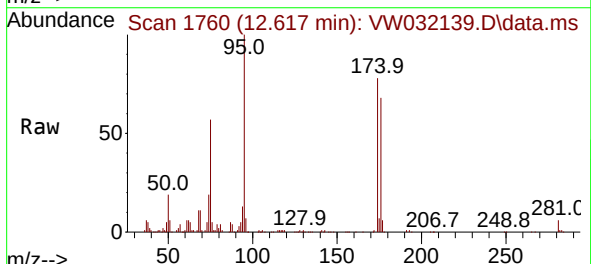
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

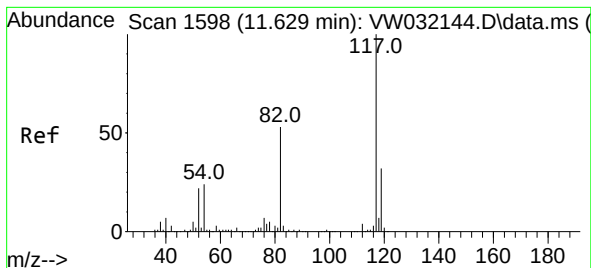
Tgt Ion:107 Resp: 42542
Ion Ratio Lower Upper
107 100
109 94.1 74.5 111.7



#62
4-Bromofluorobenzene
Concen: 19.778 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 95 Resp: 65158
Ion Ratio Lower Upper
95 100
174 78.9 0.0 145.6
176 69.2 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

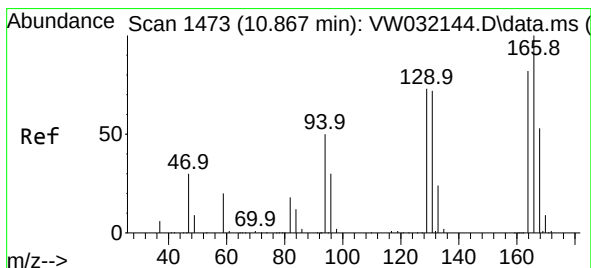
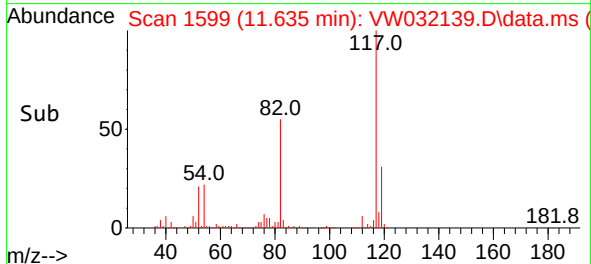
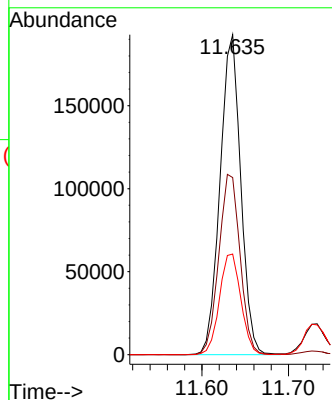
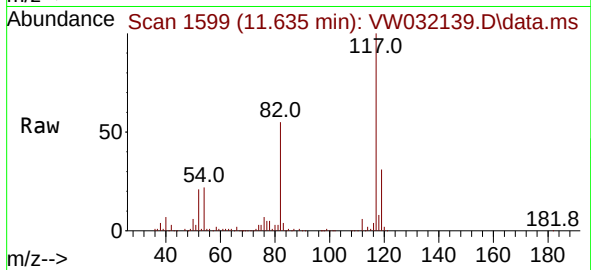
Tgt Ion:117 Resp: 320041

Ion Ratio Lower Upper

117 100

82 55.3 42.7 64.1

119 31.4 25.2 37.8



#64

Tetrachloroethene

Concen: 20.766 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:164 Resp: 43742

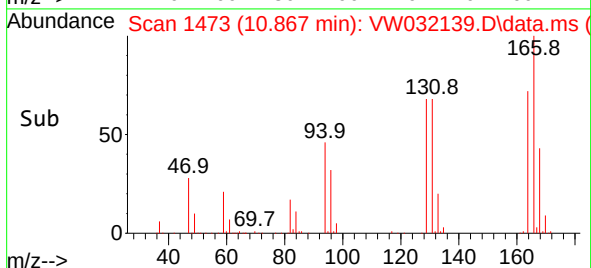
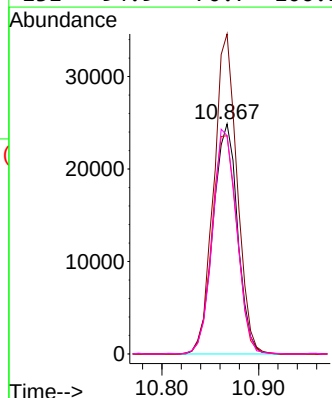
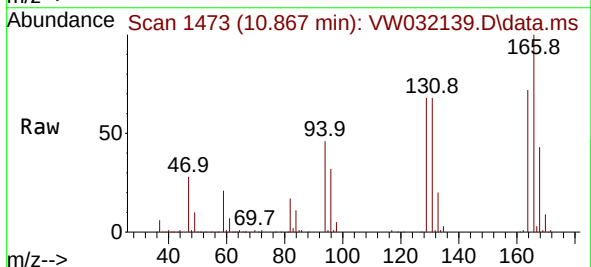
Ion Ratio Lower Upper

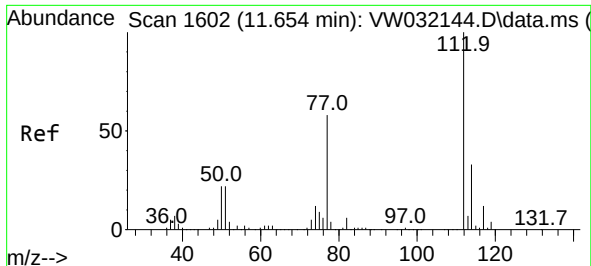
164 100

166 139.1 97.5 146.3

129 94.9 71.2 106.8

131 94.9 70.7 106.1

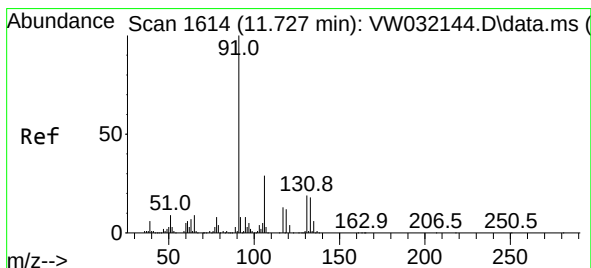
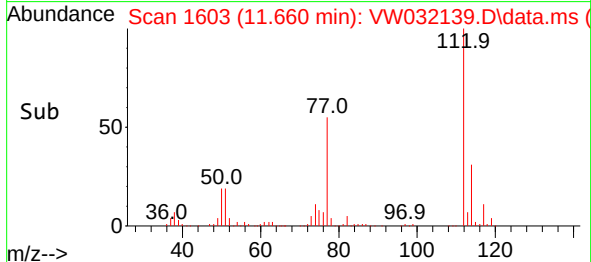
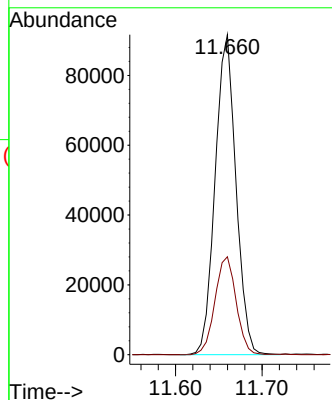
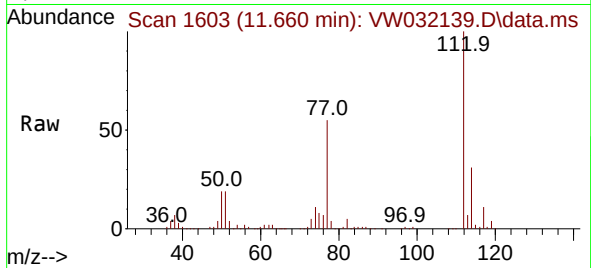




#65
Chlorobenzene
Concen: 20.988 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

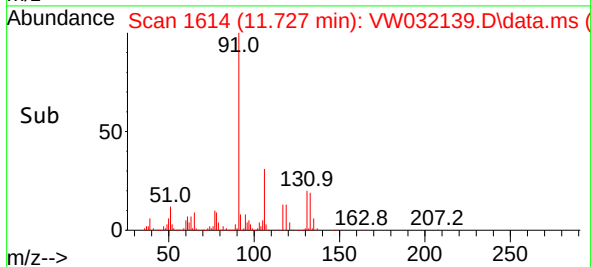
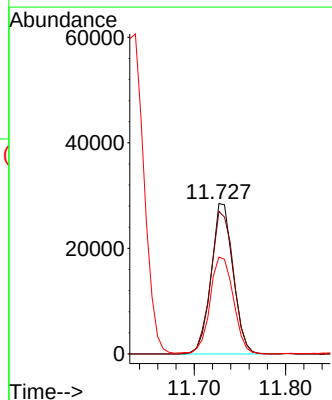
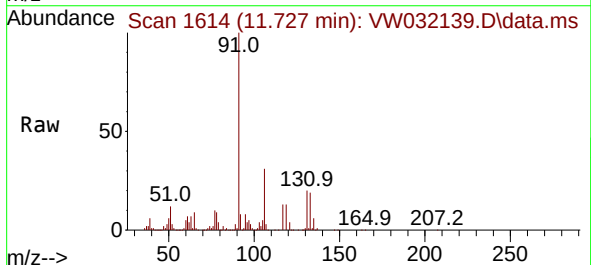
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

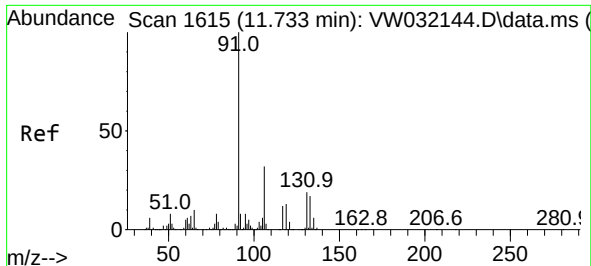
Tgt Ion:112 Resp: 152888
Ion Ratio Lower Upper
112 100
114 30.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.813 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion:131 Resp: 47518
Ion Ratio Lower Upper
131 100
133 98.2 47.7 143.1
119 68.8 32.8 98.3





#67

Ethyl Benzene

Concen: 20.597 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

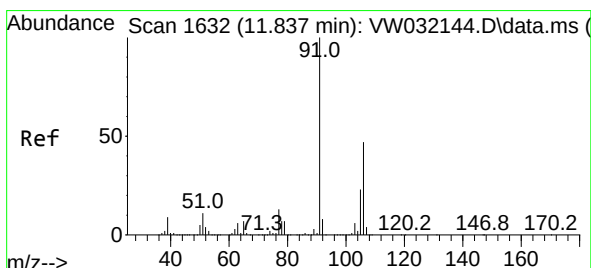
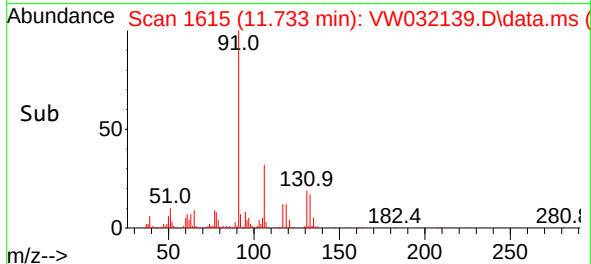
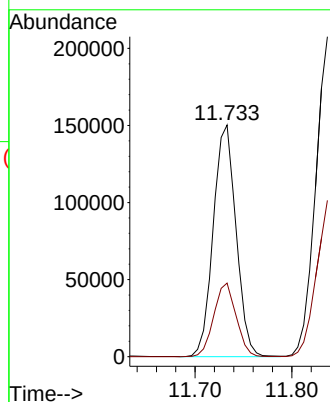
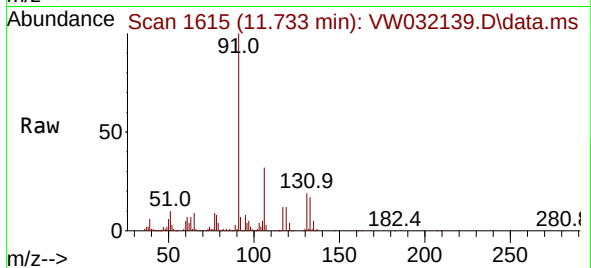
VSTDIC020

Tgt Ion: 91 Resp: 245828

Ion Ratio Lower Upper

91 100

106 31.8 25.3 37.9



#68

m/p-Xylenes

Concen: 41.875 ug/l

RT: 11.843 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VW032139.D

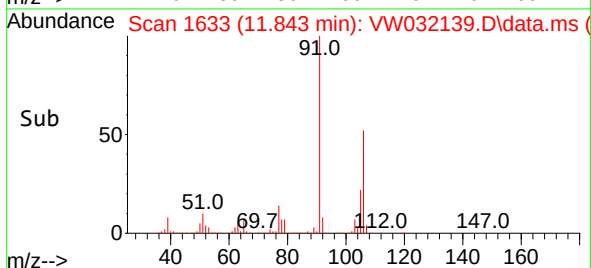
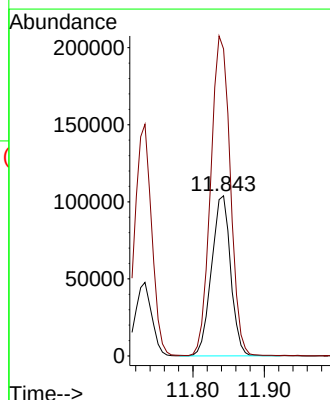
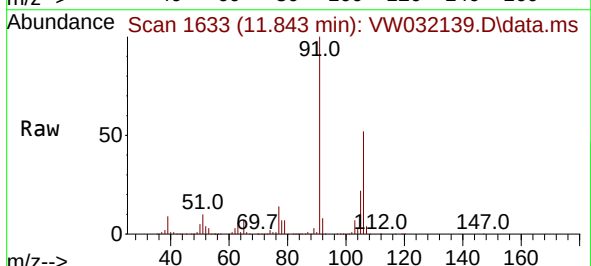
Acq: 26 Aug 2025 10:45

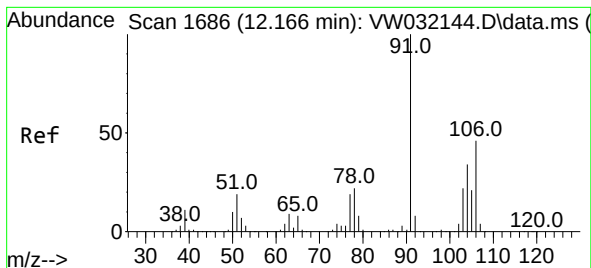
Tgt Ion: 106 Resp: 192351

Ion Ratio Lower Upper

106 100

91 205.4 164.2 246.2





#69

o-Xylene

Concen: 20.465 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

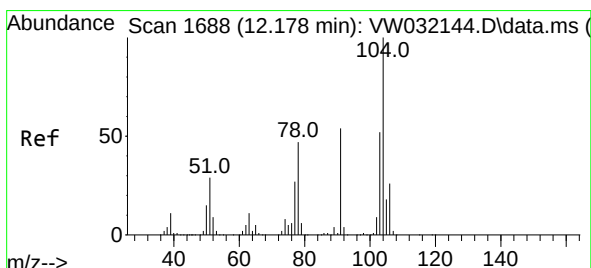
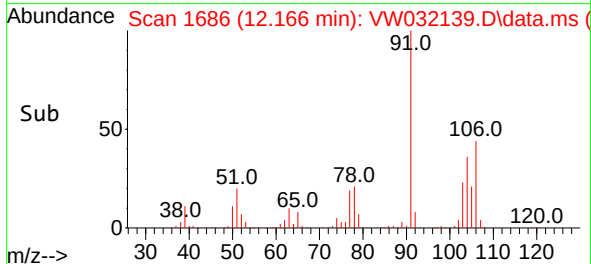
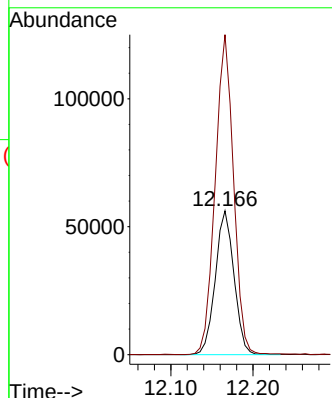
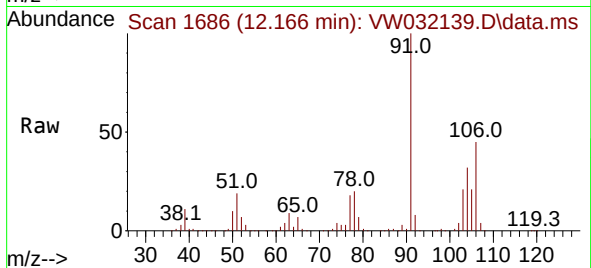
VSTDICC020

Tgt Ion:106 Resp: 88921

Ion Ratio Lower Upper

106 100

91 218.2 108.7 326.3



#70

Styrene

Concen: 20.828 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

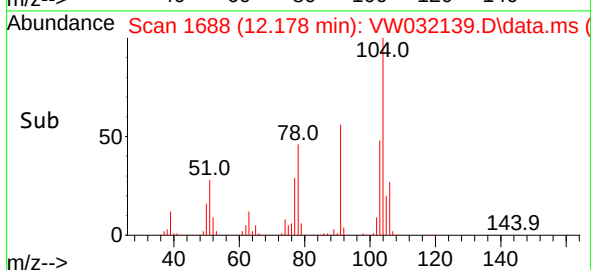
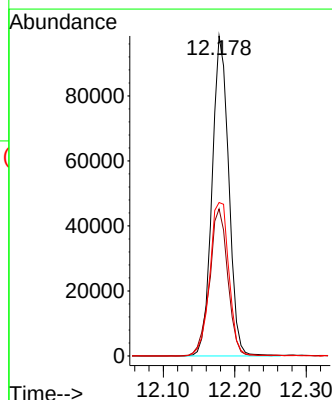
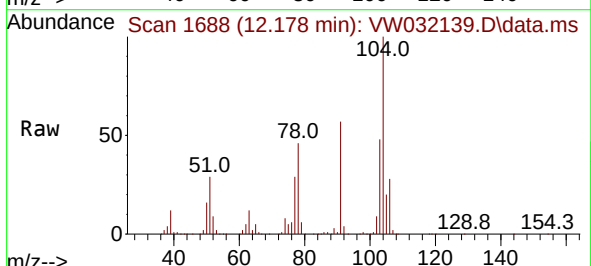
Tgt Ion:104 Resp: 159523

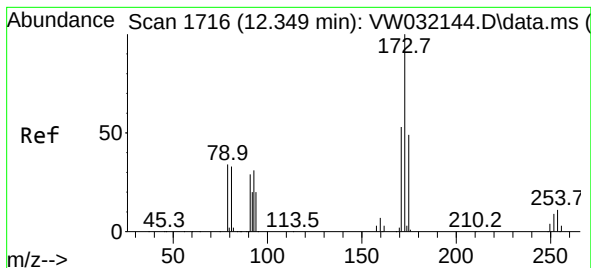
Ion Ratio Lower Upper

104 100

78 50.4 41.6 62.4

103 55.1 44.8 67.2





#71

Bromoform

Concen: 19.407 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

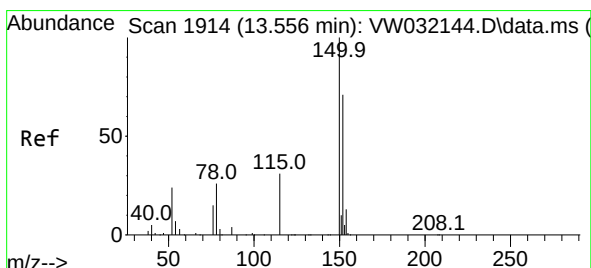
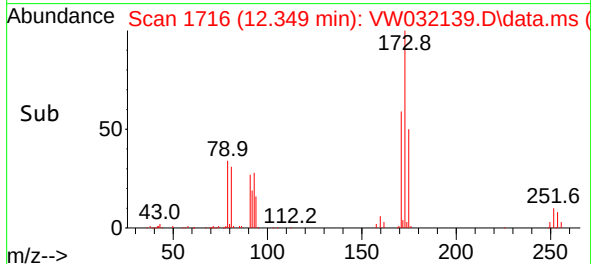
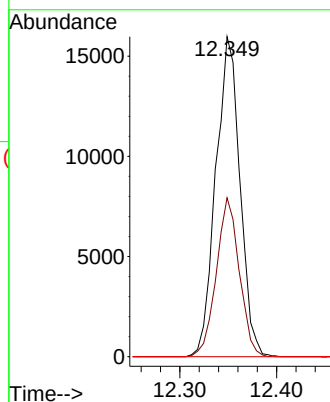
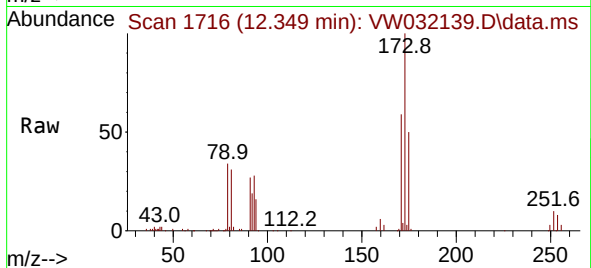
Tgt Ion:173 Resp: 27643

Ion Ratio Lower Upper

173 100

175 47.3 24.9 74.7

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: VW032139.D

Acq: 26 Aug 2025 10:45

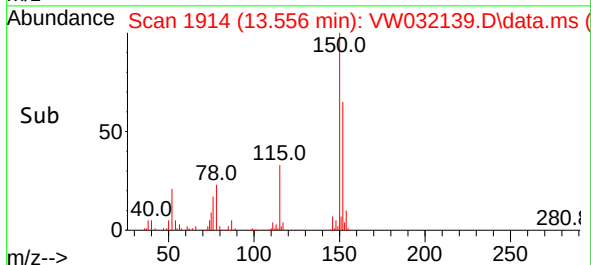
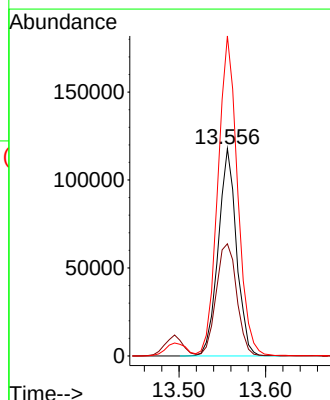
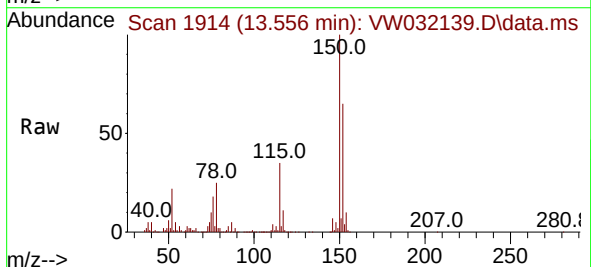
Tgt Ion:152 Resp: 172516

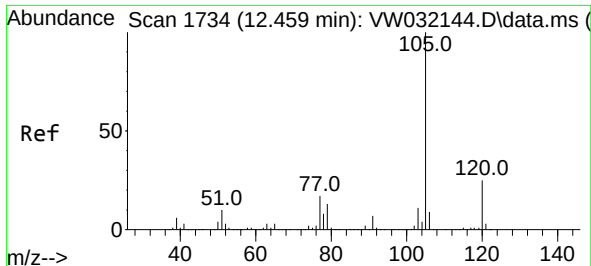
Ion Ratio Lower Upper

152 100

115 61.4 31.8 95.4

150 166.2 0.0 343.0

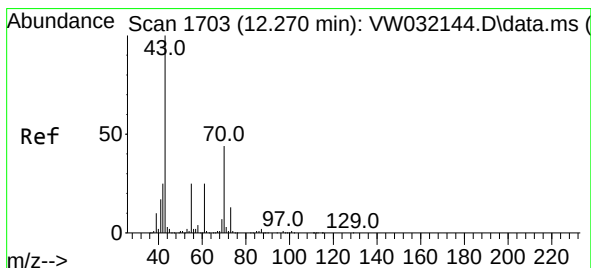
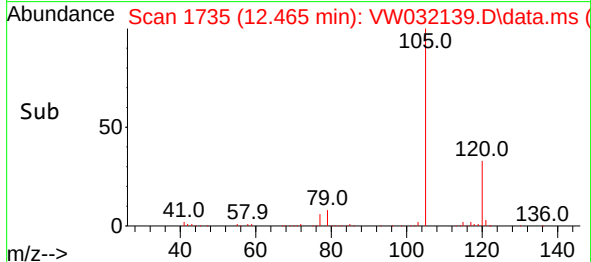
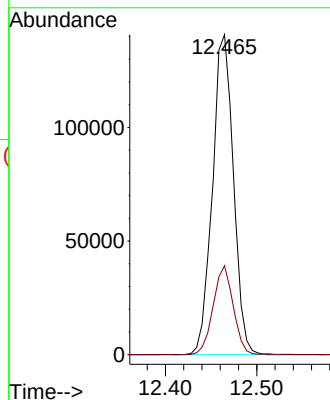
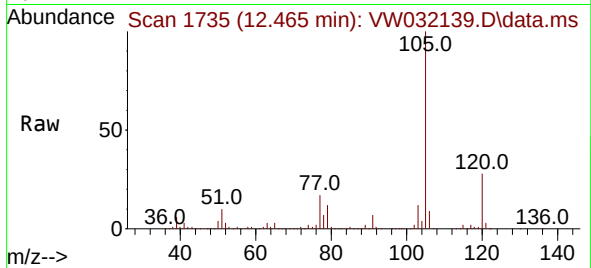




#73
Isopropylbenzene
Concen: 19.185 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

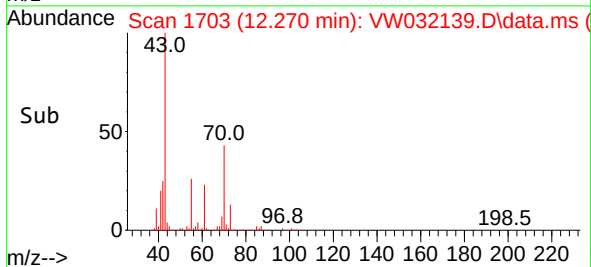
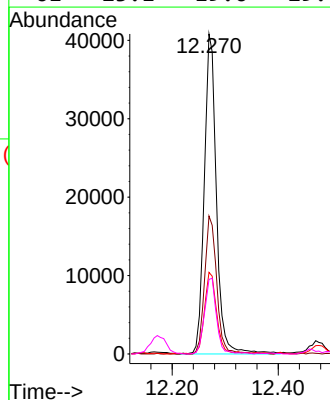
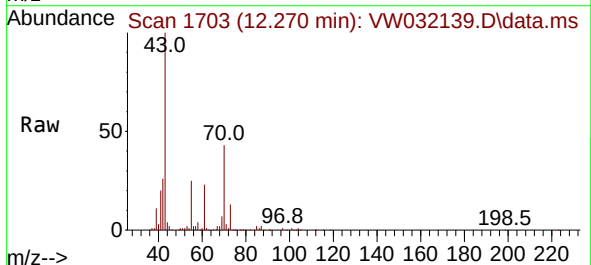
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

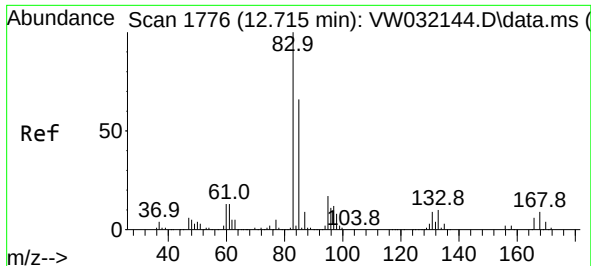
Tgt Ion:105 Resp: 224854
Ion Ratio Lower Upper
105 100
120 26.6 13.0 38.9



#74
N-ethyl acetate
Concen: 19.102 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 43 Resp: 64999
Ion Ratio Lower Upper
43 100
70 42.8 35.3 52.9
55 25.1 19.9 29.9
61 23.1 19.6 29.4

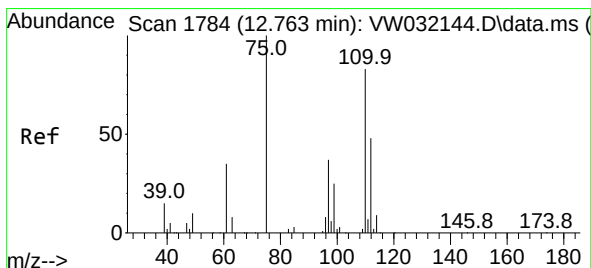
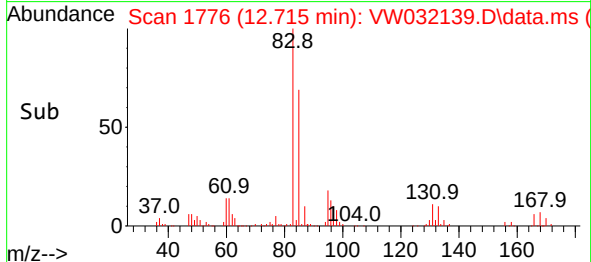
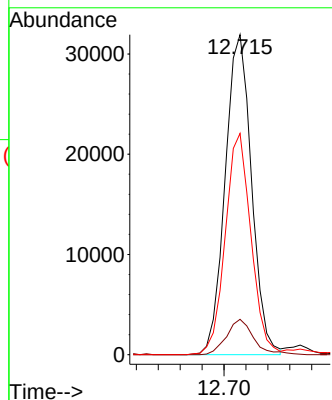
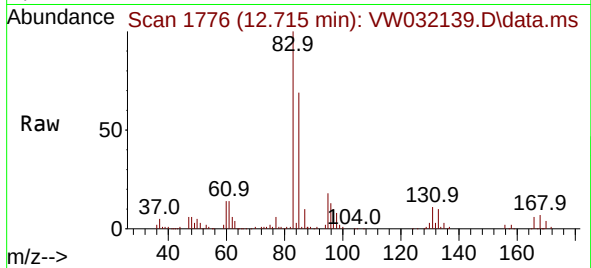




#75
1,1,2,2-Tetrachloroethane
Concen: 19.167 ug/l
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

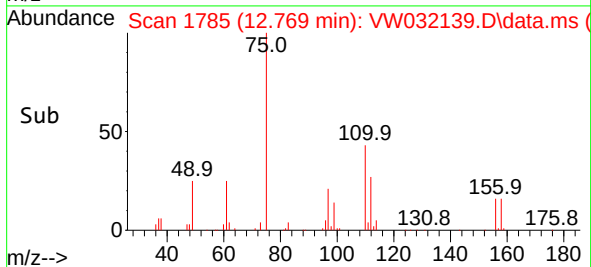
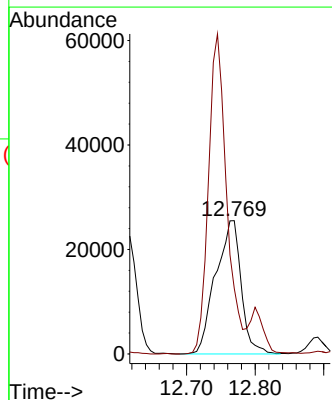
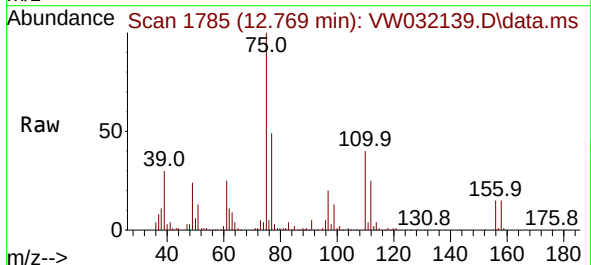
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

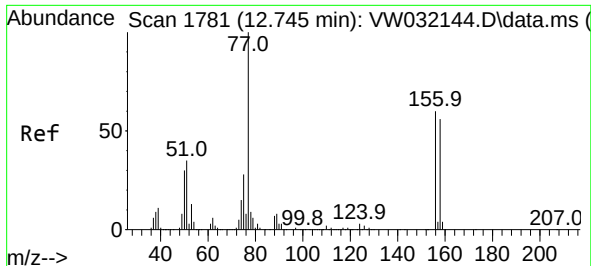
Tgt Ion: 83 Resp: 53386
Ion Ratio Lower Upper
83 100
131 11.3 5.1 15.4
85 68.0 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 29.599 ug/l
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 75 Resp: 66116
Ion Ratio Lower Upper
75 100
77 0.0 141.7 425.1#

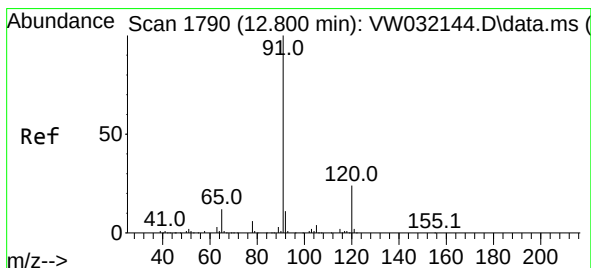
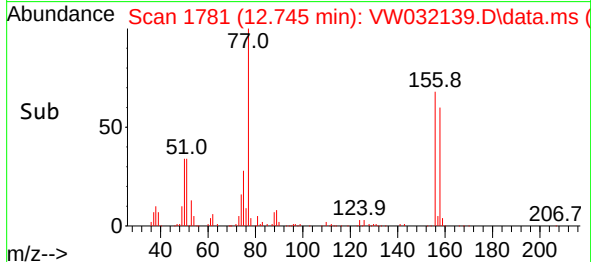
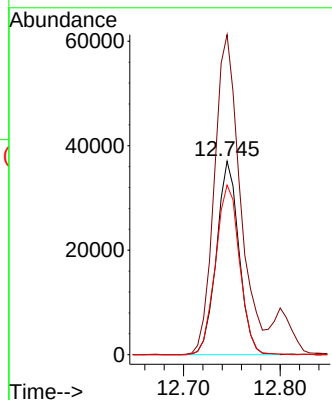
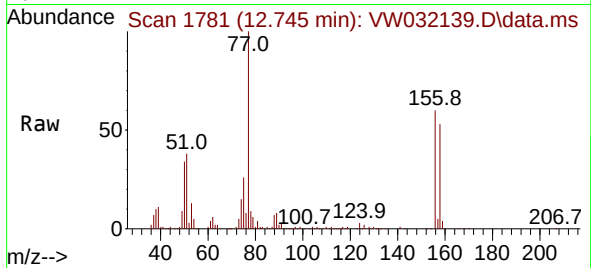




#77
Bromobenzene
Concen: 19.938 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

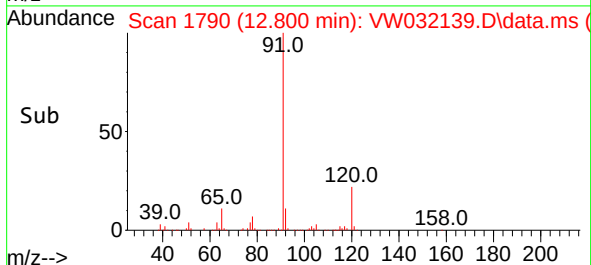
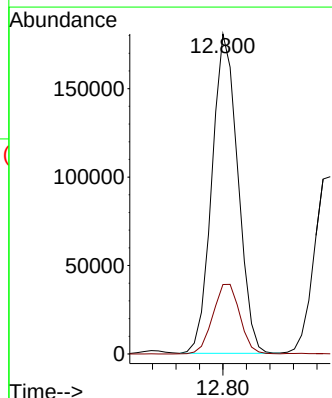
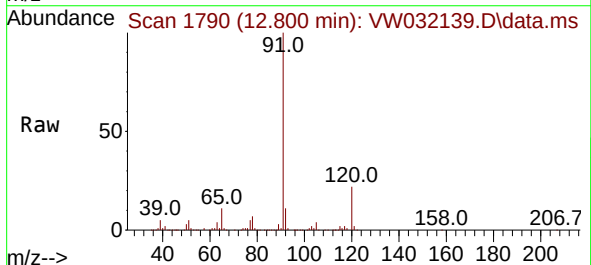
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

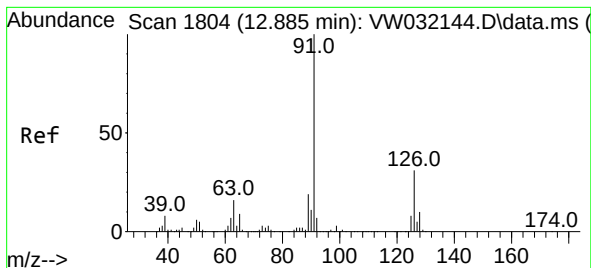
Tgt Ion:156 Resp: 59590
Ion Ratio Lower Upper
156 100
77 189.5 98.6 295.7
158 94.1 48.4 145.0



#78
n-propylbenzene
Concen: 19.477 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 91 Resp: 277146
Ion Ratio Lower Upper
91 100
120 22.7 11.8 35.4





#79

2-Chlorotoluene

Concen: 19.579 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

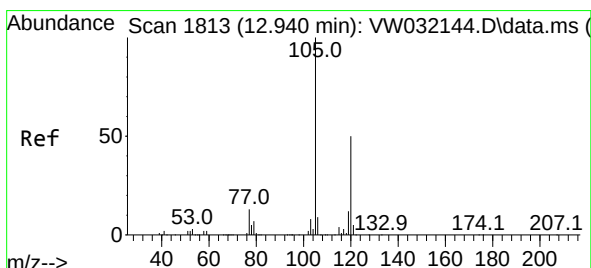
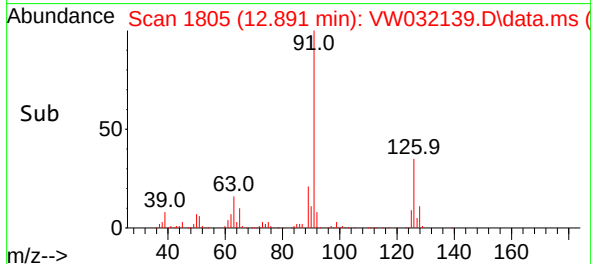
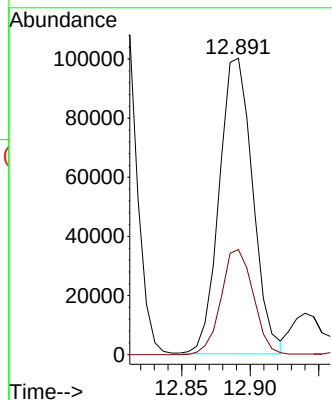
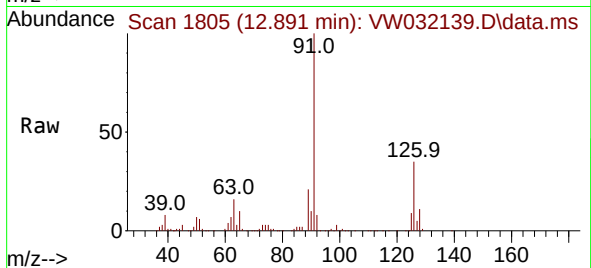
VSTDIC020

Tgt Ion: 91 Resp: 170359

Ion Ratio Lower Upper

91 100

126 34.4 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 19.573 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032139.D

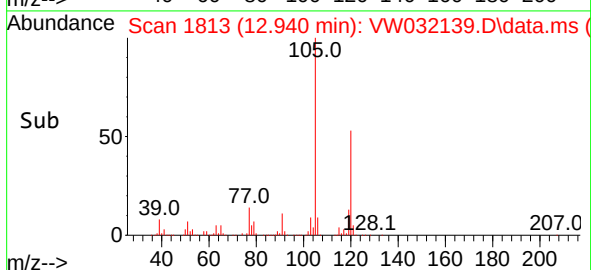
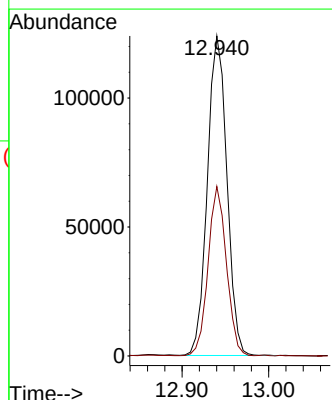
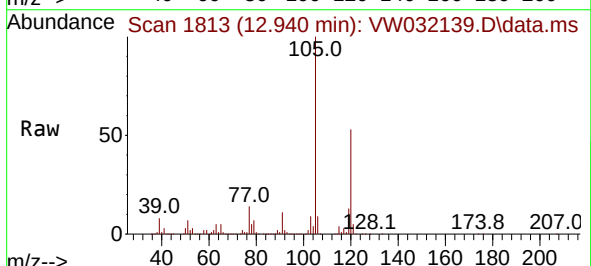
Acq: 26 Aug 2025 10:45

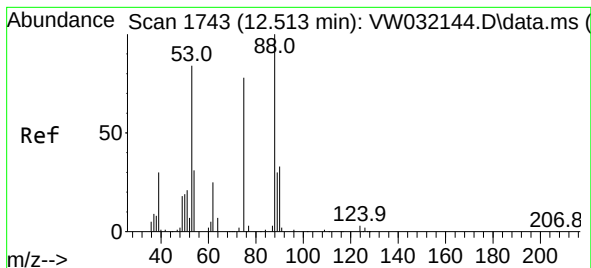
Tgt Ion: 105 Resp: 194222

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4

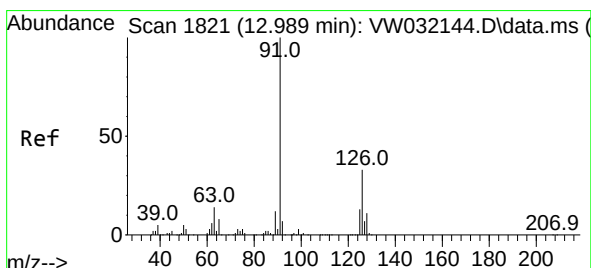
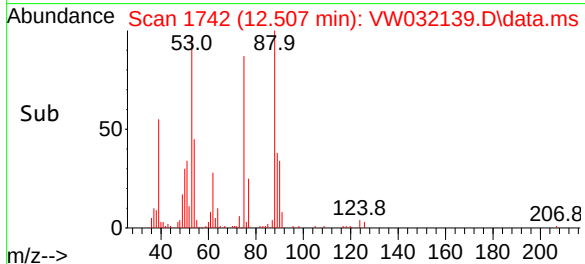
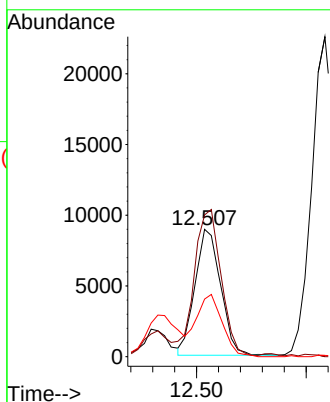
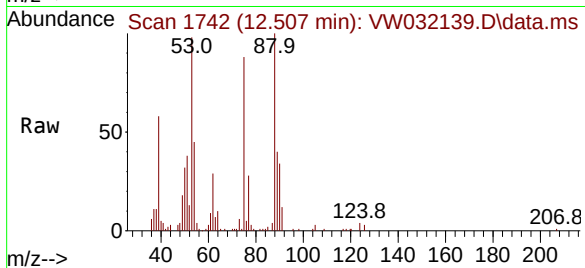




#81
trans-1,4-Dichloro-2-butene
Concen: 18.035 ug/l
RT: 12.507 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

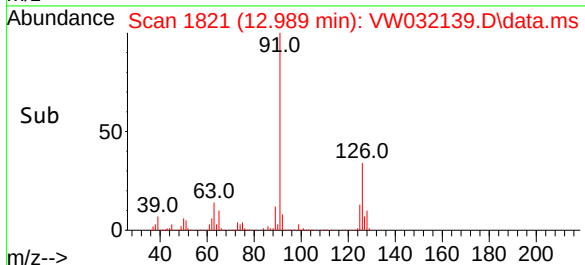
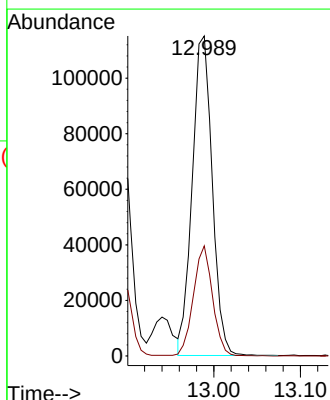
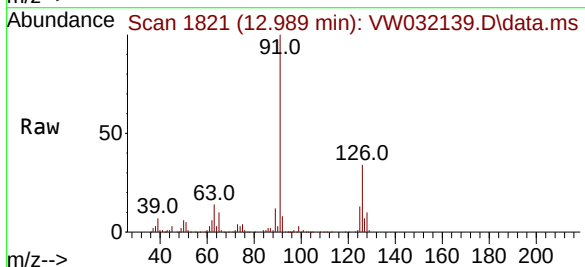
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

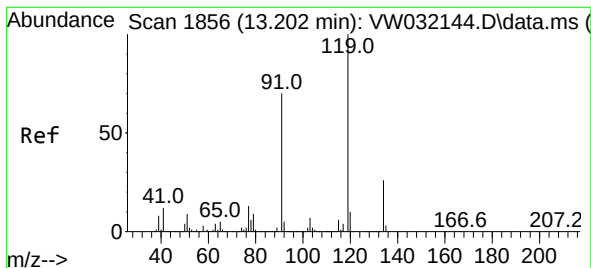
Tgt Ion: 75 Resp: 14477
Ion Ratio Lower Upper
75 100
53 121.9 91.0 136.6
89 50.3 39.4 59.2



#82
4-Chlorotoluene
Concen: 19.781 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 91 Resp: 184235
Ion Ratio Lower Upper
91 100
126 33.2 16.1 48.2

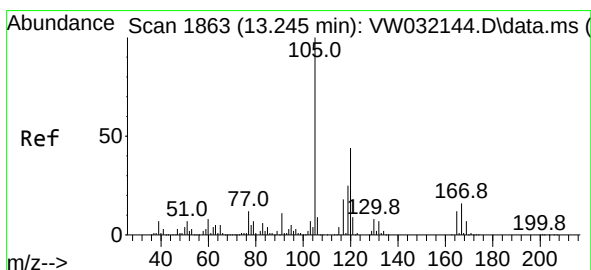
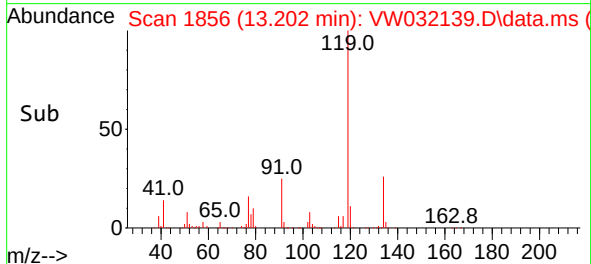
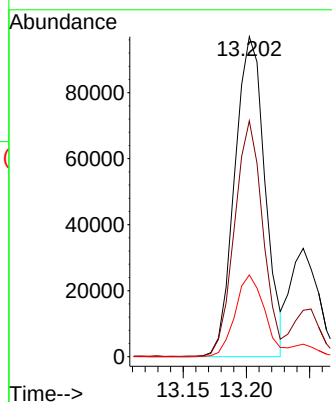
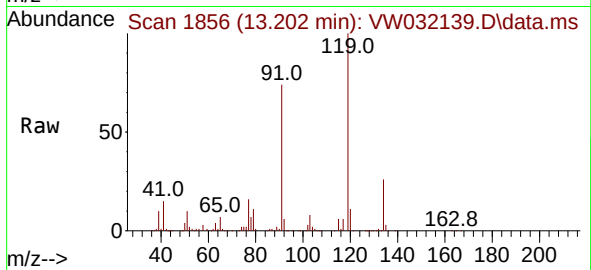




#83
tert-Butylbenzene
Concen: 19.239 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

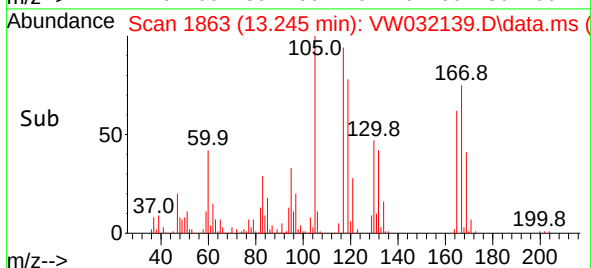
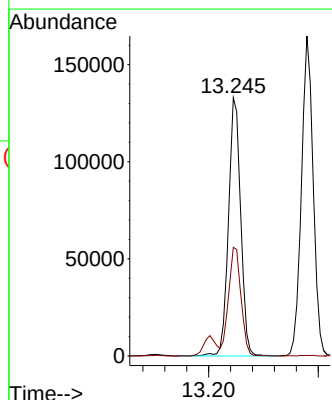
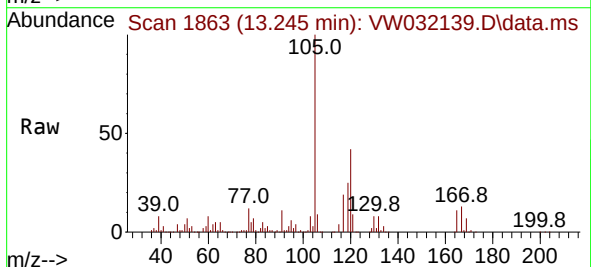
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

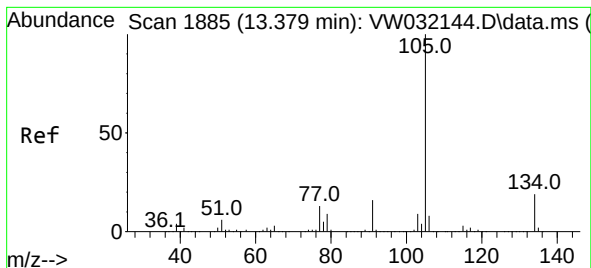
Tgt Ion:119 Resp: 161867
Ion Ratio Lower Upper
119 100
91 68.7 33.8 101.3
134 25.1 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 20.090 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion:105 Resp: 206247
Ion Ratio Lower Upper
105 100
120 43.0 22.1 66.3





#85

sec-Butylbenzene

Concen: 19.414 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

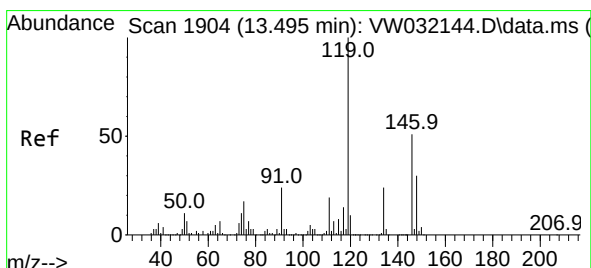
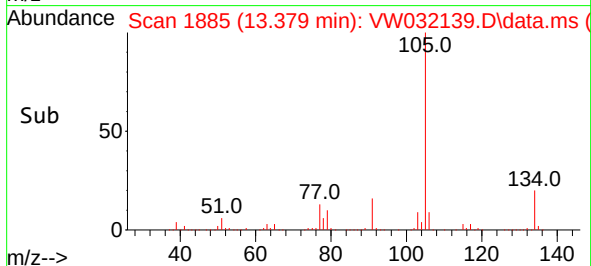
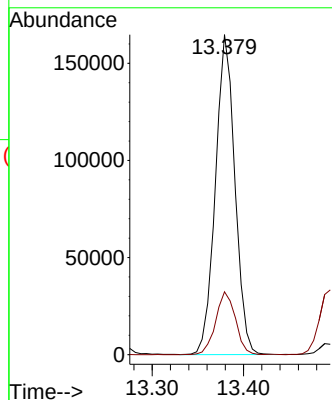
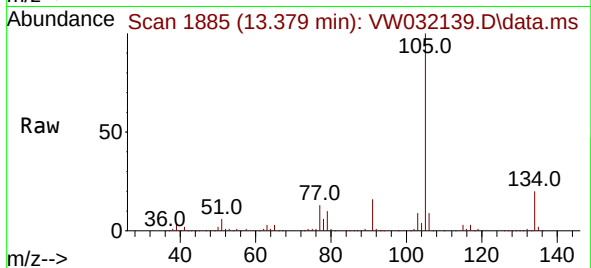
VSTDIC020

Tgt Ion:105 Resp: 243871

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.797 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

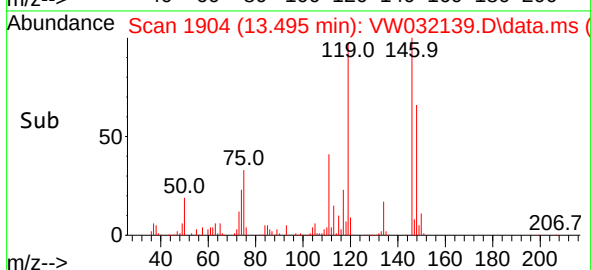
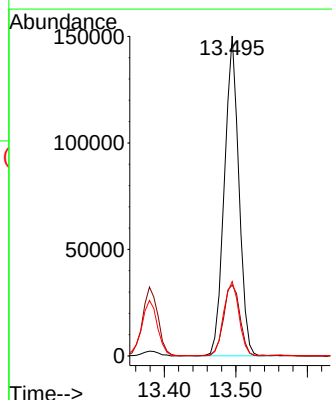
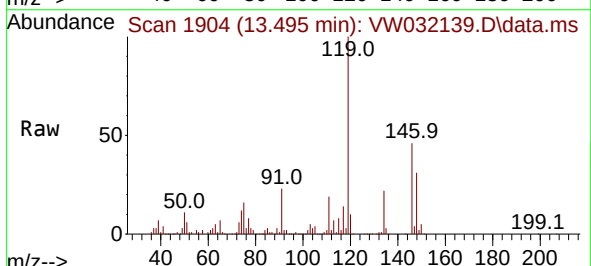
Tgt Ion:119 Resp: 211483

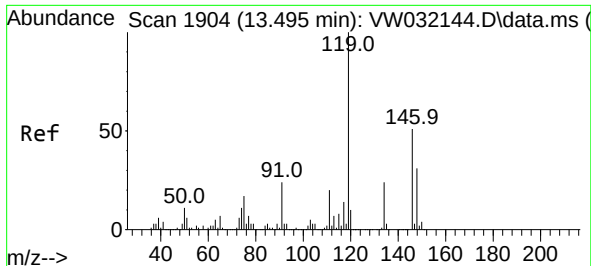
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

91 24.6 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 19.271 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

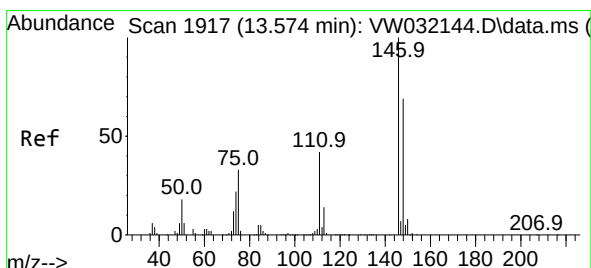
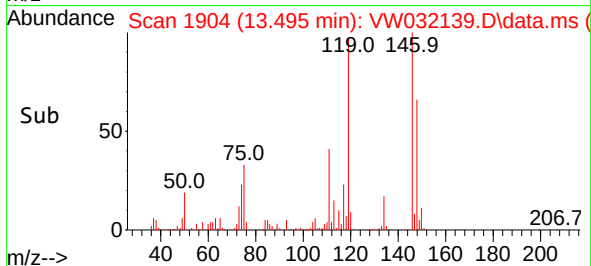
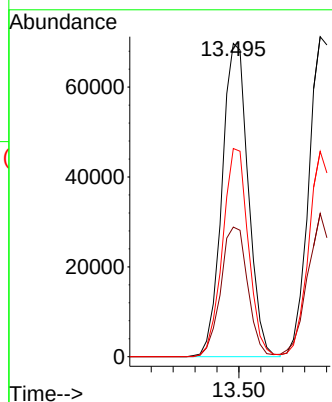
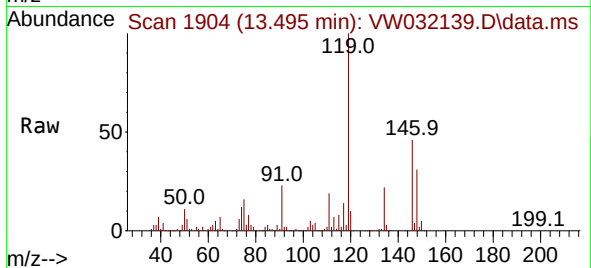
Tgt Ion:146 Resp: 115970

Ion Ratio Lower Upper

146 100

111 42.5 20.6 61.9

148 65.3 30.6 92.0



#88

1,4-Dichlorobenzene

Concen: 19.605 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

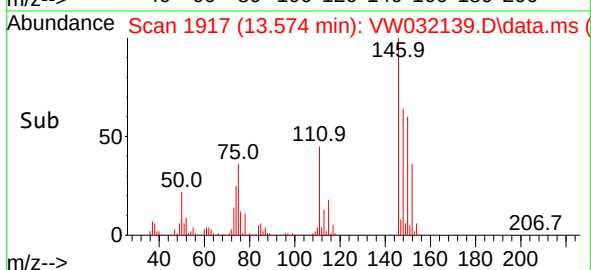
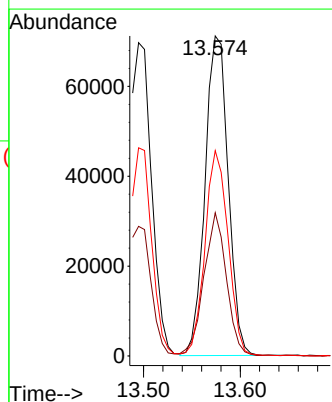
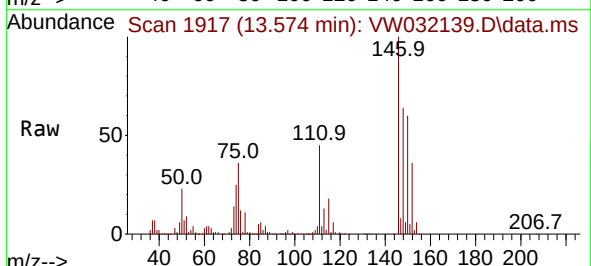
Tgt Ion:146 Resp: 118257

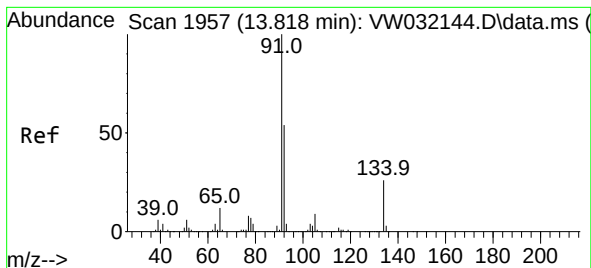
Ion Ratio Lower Upper

146 100

111 43.4 21.3 63.7

148 64.0 33.4 100.1





#89

n-Butylbenzene

Concen: 19.099 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

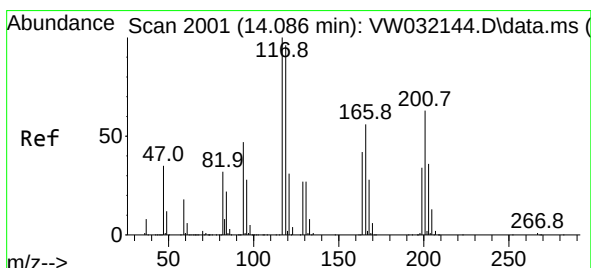
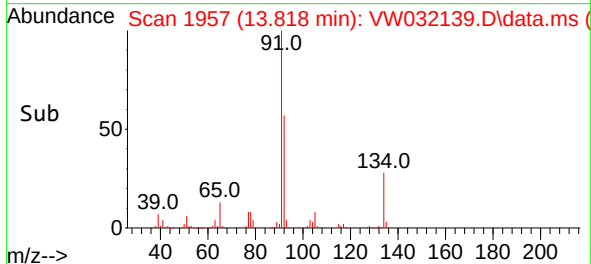
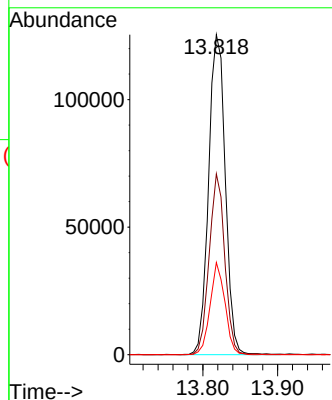
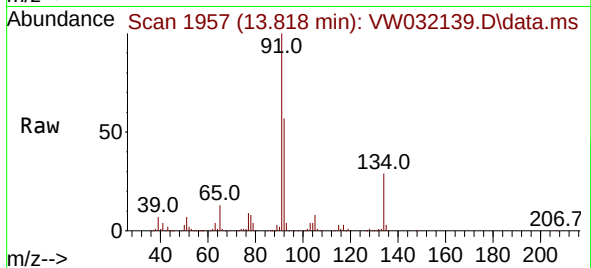
Tgt Ion: 91 Resp: 194525

Ion Ratio Lower Upper

91 100

92 53.0 27.0 81.0

134 25.6 13.1 39.3



#90

Hexachloroethane

Concen: 18.506 ug/l

RT: 14.092 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VW032139.D

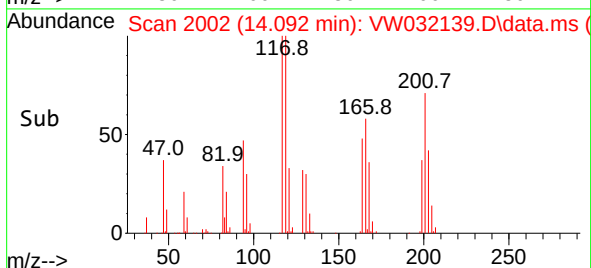
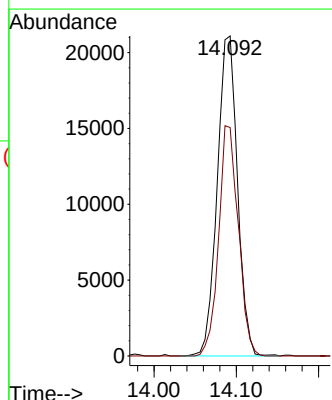
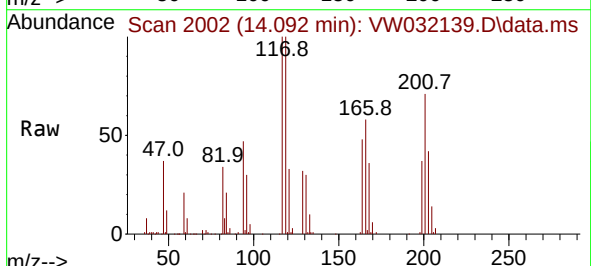
Acq: 26 Aug 2025 10:45

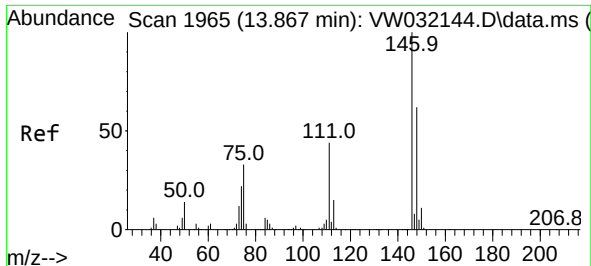
Tgt Ion: 117 Resp: 36162

Ion Ratio Lower Upper

117 100

201 69.8 32.8 98.4

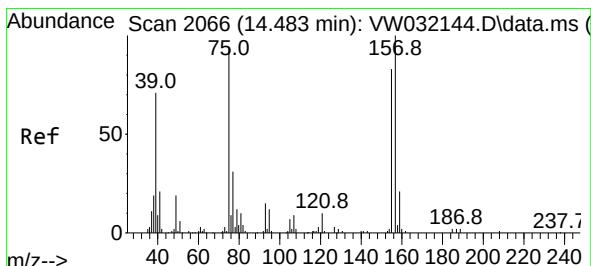
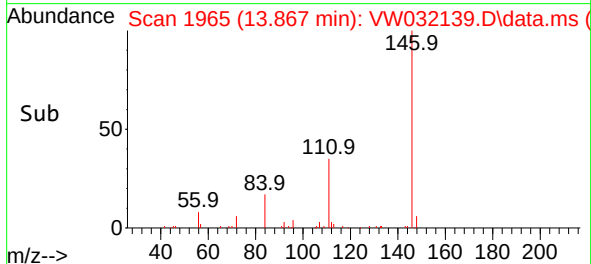
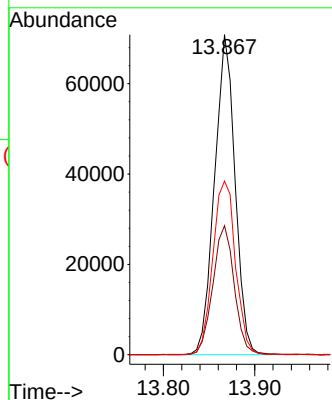
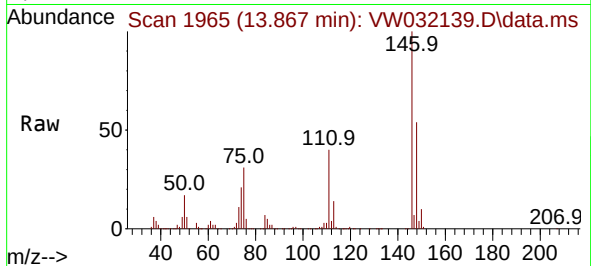




#91
1,2-Dichlorobenzene
Concen: 20.761 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

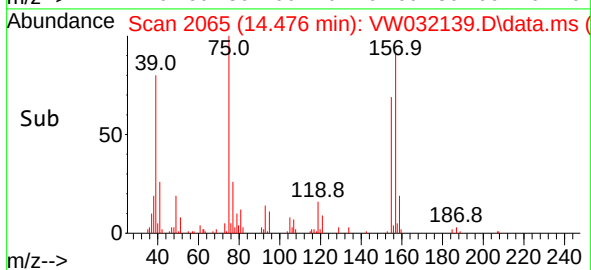
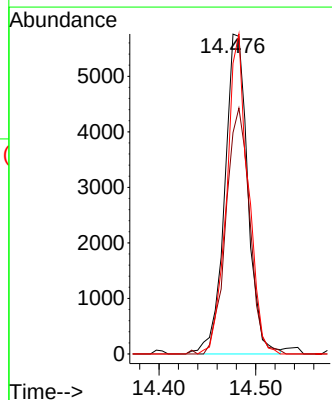
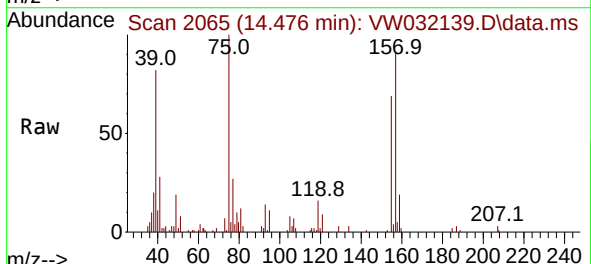
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

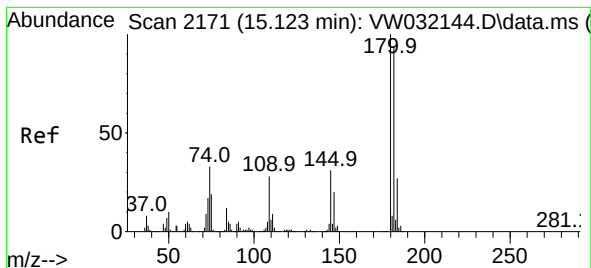
Tgt Ion:146 Resp: 110612
Ion Ratio Lower Upper
146 100
111 42.1 23.4 70.0
148 60.1 34.1 102.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.449 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032139.D
Acq: 26 Aug 2025 10:45

Tgt Ion: 75 Resp: 9570
Ion Ratio Lower Upper
75 100
155 78.9 40.8 122.5
157 92.6 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 20.091 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

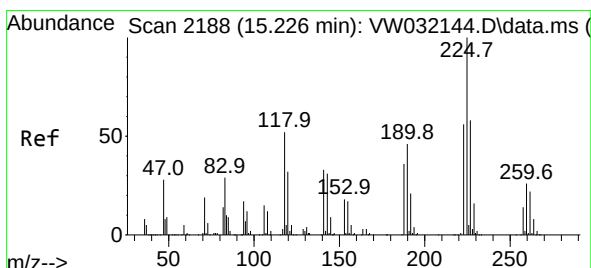
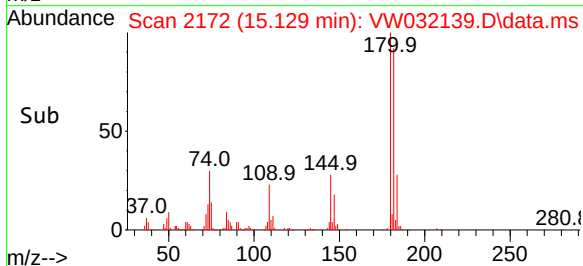
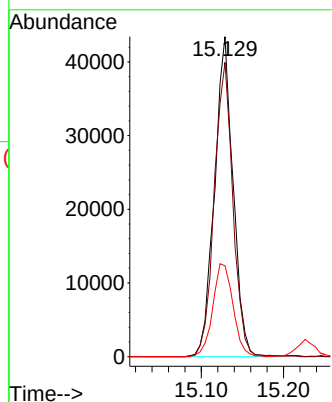
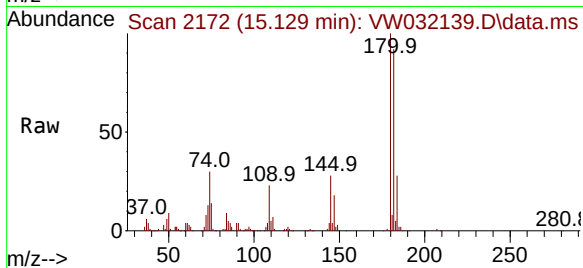
Tgt Ion:180 Resp: 68392

Ion Ratio Lower Upper

180 100

182 92.3 47.4 142.2

145 31.6 16.4 49.1



#94

Hexachlorobutadiene

Concen: 20.108 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

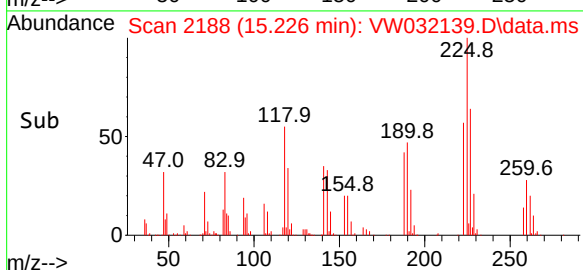
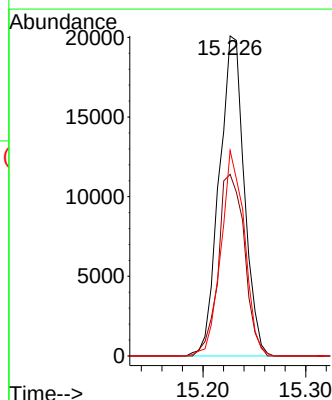
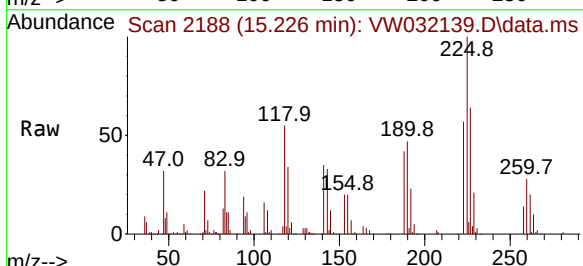
Tgt Ion:225 Resp: 33947

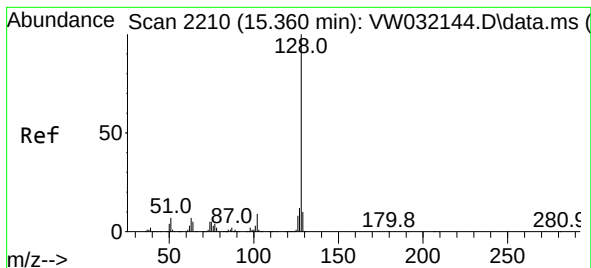
Ion Ratio Lower Upper

225 100

223 59.3 29.8 89.3

227 60.2 30.5 91.5





#95

Naphthalene

Concen: 19.055 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

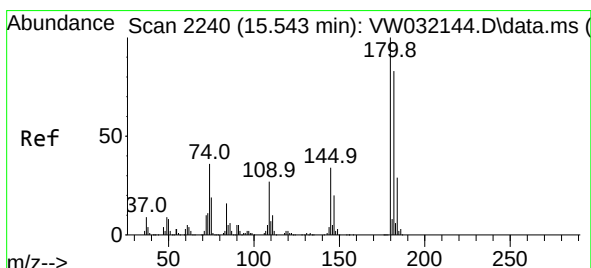
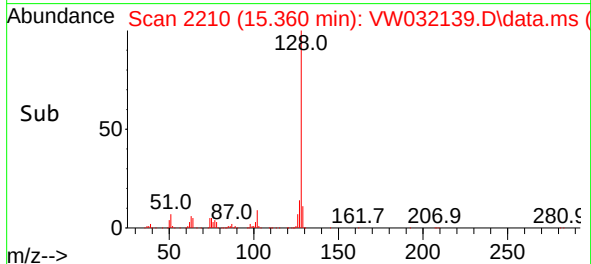
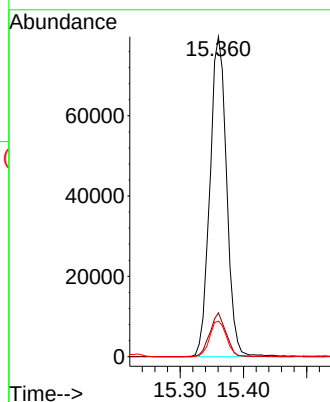
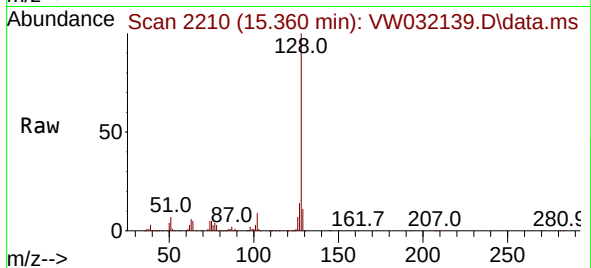
Tgt Ion:128 Resp: 146800

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 11.2 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 19.313 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW032139.D

Acq: 26 Aug 2025 10:45

Tgt Ion:180 Resp: 61140

Ion Ratio Lower Upper

180 100

182 95.3 47.7 143.1

145 35.3 17.2 51.6

