

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
 Data File : VW031893.D
 Acq On : 22 Jul 2025 10:17
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 23 08:01:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 07:57:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	229449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	418770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	369653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174259	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	71753	20.672	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	41.340%#
35) Dibromofluoromethane	7.892	113	57971	20.372	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	=	40.740%#
50) Toluene-d8	10.325	98	222244	20.636	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	41.280%#
62) 4-Bromofluorobenzene	12.617	95	86515	20.921	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	41.840%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	32547	19.086	ug/l	91
3) Chloromethane	2.253	50	42396	19.370	ug/l	99
4) Vinyl Chloride	2.405	62	56162	19.752	ug/l	95
5) Bromomethane	2.826	94	40732	19.454	ug/l	94
6) Chloroethane	2.972	64	36178	19.279	ug/l	98
7) Trichlorofluoromethane	3.302	101	52674	18.291	ug/l	97
8) Diethyl Ether	3.716	74	39501	20.534	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	53456	19.298	ug/l	98
10) Methyl Iodide	4.301	142	82715	19.972	ug/l	99
11) Tert butyl alcohol	5.222	59	21622	105.975	ug/l	99
12) 1,1-Dichloroethene	4.076	96	59622	19.488	ug/l	97
13) Acrolein	3.930	56	34117	115.420	ug/l	99
14) Allyl chloride	4.704	41	94691	19.882	ug/l	99
15) Acrylonitrile	5.399	53	89035	103.525	ug/l	99
16) Acetone	4.161	43	85144	103.374	ug/l	96
17) Carbon Disulfide	4.417	76	156802	19.761	ug/l	100
18) Methyl Acetate	4.710	43	48524	21.384	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	110536	20.910	ug/l	94
20) Methylene Chloride	4.948	84	83480	20.998	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	63984	19.711	ug/l	97
22) Diisopropyl ether	6.332	45	193706	20.325	ug/l	94
23) Vinyl Acetate	6.283	43	629578	101.117	ug/l	98
24) 1,1-Dichloroethane	6.246	63	116889	19.699	ug/l	98
25) 2-Butanone	7.191	43	121949	108.213	ug/l	98
26) 2,2-Dichloropropane	7.185	77	63903	19.023	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	75384	19.753	ug/l	98
28) Bromochloromethane	7.526	49	50074	20.156	ug/l #	15
29) Tetrahydrofuran	7.551	42	78147	105.769	ug/l	99
30) Chloroform	7.691	83	125023	20.096	ug/l	97
31) Cyclohexane	7.965	56	98980	18.594	ug/l #	94
32) 1,1,1-Trichloroethane	7.886	97	92496	19.538	ug/l	98
36) 1,1-Dichloropropene	8.093	75	87130	19.938	ug/l	100
37) Ethyl Acetate	7.277	43	50830	20.390	ug/l	100
38) Carbon Tetrachloride	8.081	117	84031	20.036	ug/l	99
39) Methylcyclohexane	9.337	83	106658	19.394	ug/l	97
40) Benzene	8.331	78	262100	20.261	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	29705	20.230	ug/l	92
42) 1,2-Dichloroethane	8.410	62	86447	20.880	ug/l	99
43) Isopropyl Acetate	8.435	43	93094	20.628	ug/l	99
44) Trichloroethene	9.099	130	59670	19.406	ug/l	91
45) 1,2-Dichloropropane	9.374	63	63028	20.231	ug/l	99
46) Dibromomethane	9.465	93	40434	20.937	ug/l	98
47) Bromodichloromethane	9.648	83	93907	20.278	ug/l	98
48) Methyl methacrylate	9.441	41	45551	21.215	ug/l	99
49) 1,4-Dioxane	9.465	88	7579	393.293	ug/l #	79
51) 4-Methyl-2-Pentanone	10.209	43	265574	107.527	ug/l	100
52) Toluene	10.392	92	168089	20.213	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	89603	20.170	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	100637	19.838	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	52531	20.477	ug/l	91
56) Ethyl methacrylate	10.648	69	74127	20.460	ug/l	99
57) 1,3-Dichloropropane	10.934	76	94430	20.894	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	191363	102.829	ug/l	100
59) 2-Hexanone	10.971	43	184643	107.552	ug/l	98
60) Dibromochloromethane	11.129	129	60033	20.071	ug/l	99
61) 1,2-Dibromoethane	11.233	107	53321	21.035	ug/l	96
64) Tetrachloroethene	10.867	164	49304	20.230	ug/l	93
65) Chlorobenzene	11.654	112	185932	20.552	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.733	131	58246	20.767	ug/l	97
67) Ethyl Benzene	11.727	91	320050	20.134	ug/l	100
68) m/p-Xylenes	11.837	106	245015	40.945	ug/l	97
69) o-Xylene	12.166	106	114484	20.216	ug/l	97
70) Styrene	12.178	104	198720	20.610	ug/l	99
71) Bromoform	12.349	173	30762	20.055	ug/l #	97
73) Isopropylbenzene	12.459	105	294447	19.474	ug/l	100
74) N-amyl acetate	12.270	43	82784	20.253	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	67200	20.939	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	84092	35.248	ug/l #	100
77) Bromobenzene	12.745	156	68424	20.916	ug/l	91
78) n-propylbenzene	12.800	91	367105	19.769	ug/l	100
79) 2-Chlorotoluene	12.891	91	221355	19.964	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	252317	19.898	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	20950	20.104	ug/l	96
82) 4-Chlorotoluene	12.983	91	230806	19.843	ug/l	100
83) tert-Butylbenzene	13.202	119	211034	19.537	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	254520	19.830	ug/l	98
85) sec-Butylbenzene	13.379	105	320882	19.782	ug/l	100
86) p-Isopropyltoluene	13.495	119	262000	19.541	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	140624	20.650	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	138374	20.743	ug/l	97
89) n-Butylbenzene	13.818	91	255308	19.411	ug/l	99
90) Hexachloroethane	14.086	117	45174	19.485	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	123056	20.390	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11802	20.355	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	72217	19.842	ug/l	93
94) Hexachlorobutadiene	15.226	225	33880	19.644	ug/l	98
95) Naphthalene	15.360	128	176597	19.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	63227	19.173	ug/l	98

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QLast Update : Wed Jul 23 07:57:09 2025
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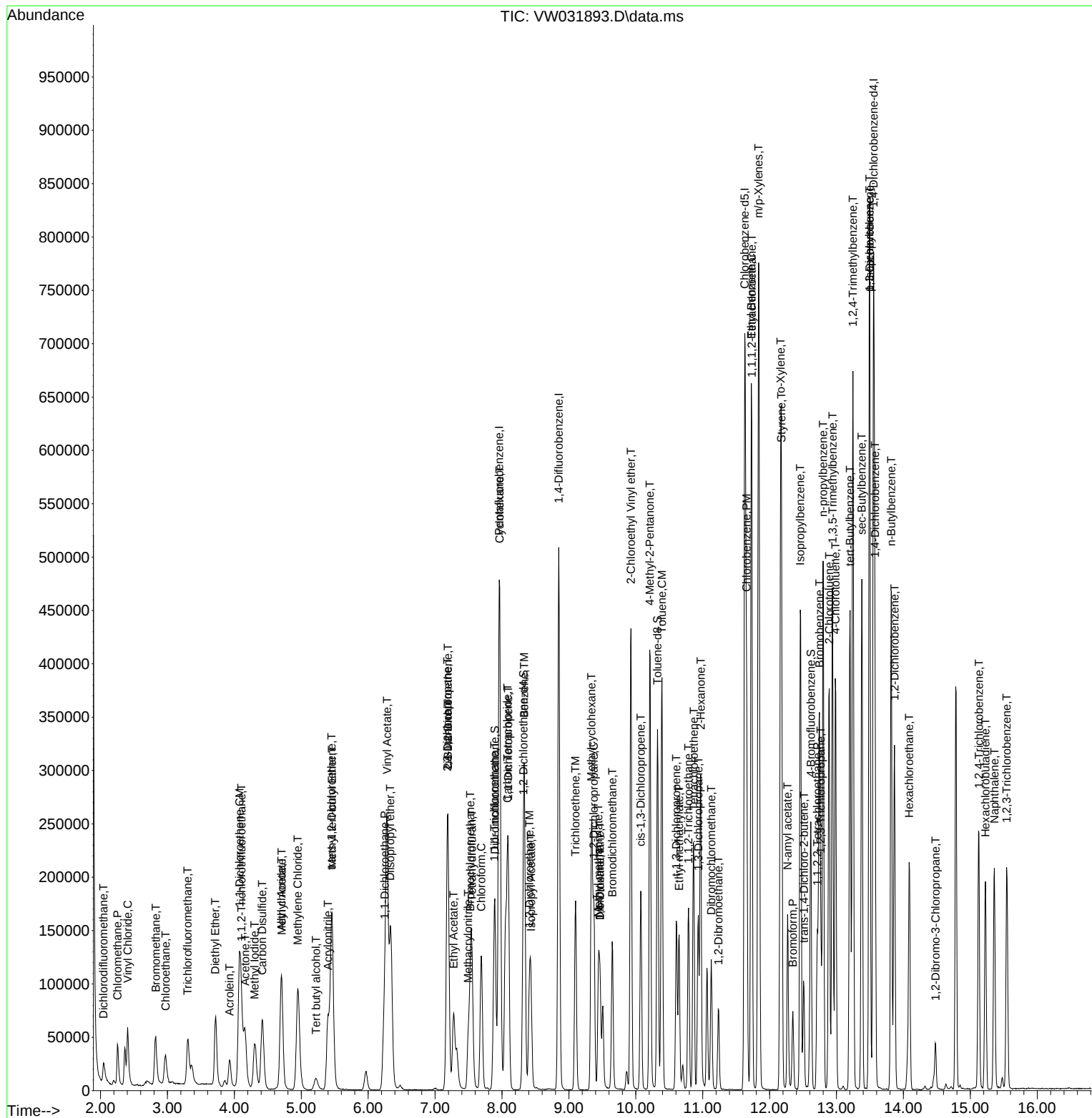
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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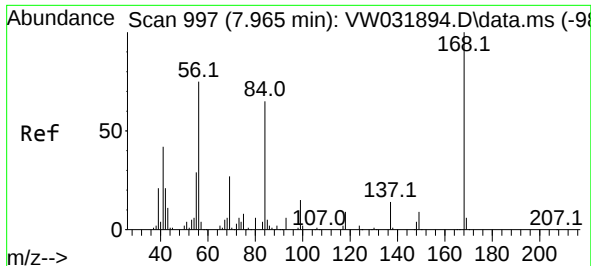
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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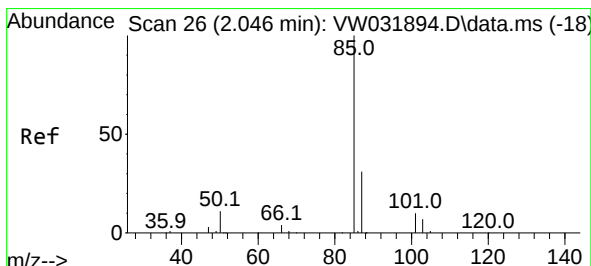
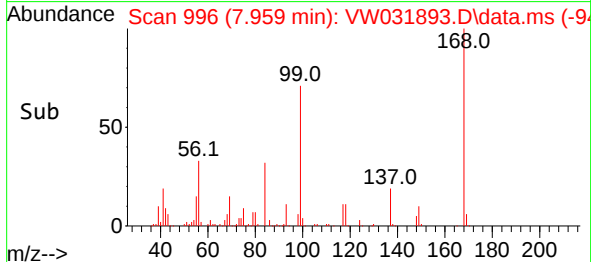
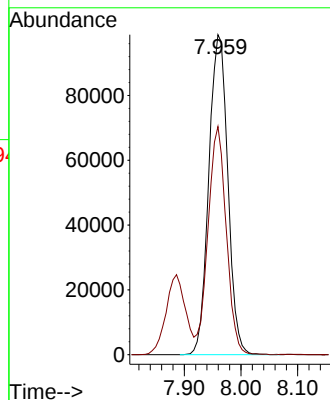
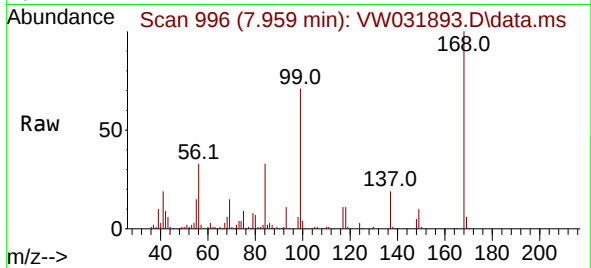




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
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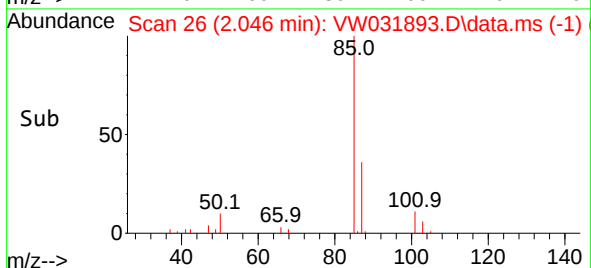
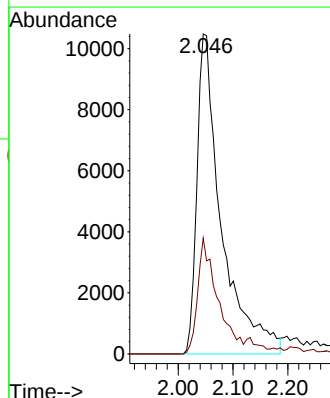
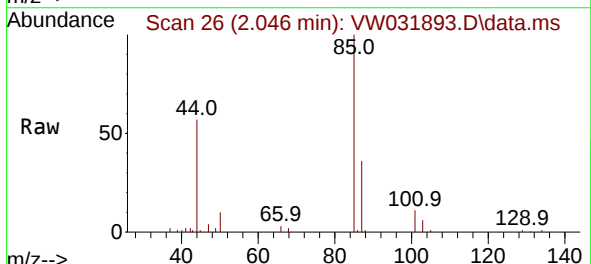
Instrument :
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ClientSampleId :
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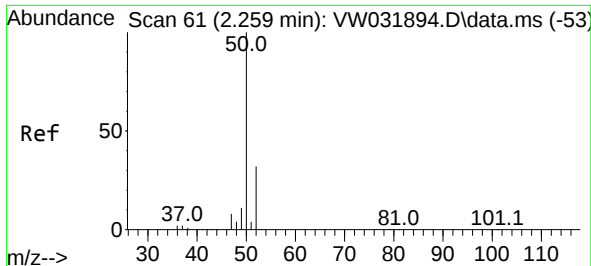
Tgt Ion:168 Resp: 229449
Ion Ratio Lower Upper
168 100
99 71.2 48.2 72.2



#2
Dichlorodifluoromethane
Concen: 19.086 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 85 Resp: 32547
Ion Ratio Lower Upper
85 100
87 36.2 15.5 46.5

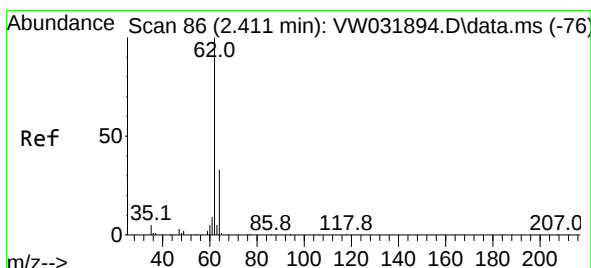
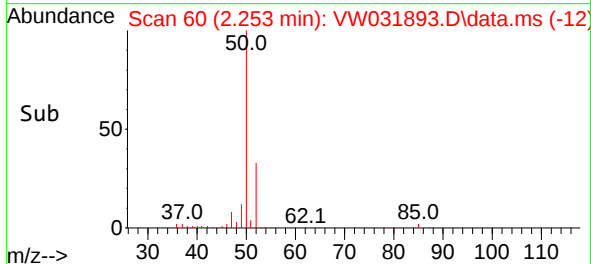
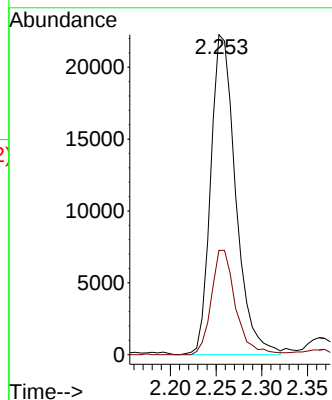
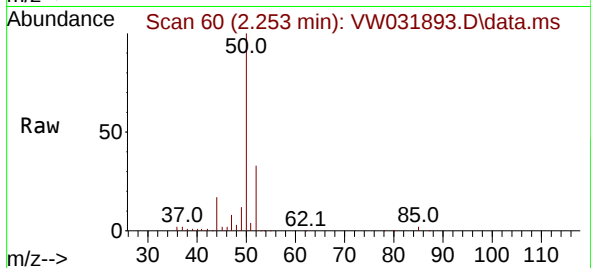




#3
Chloromethane
Concen: 19.370 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

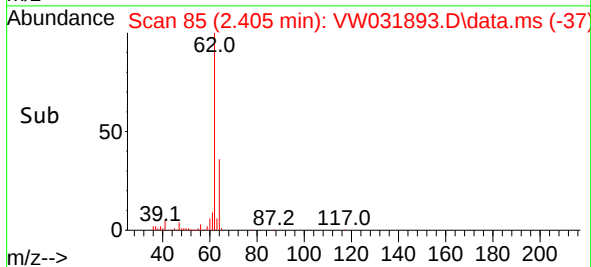
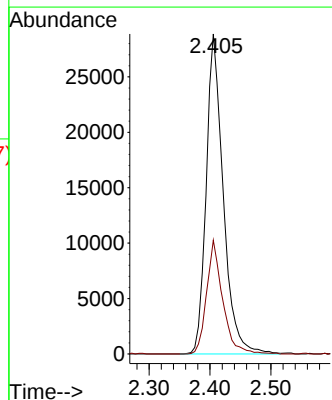
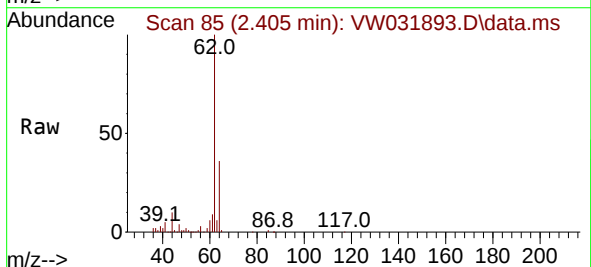
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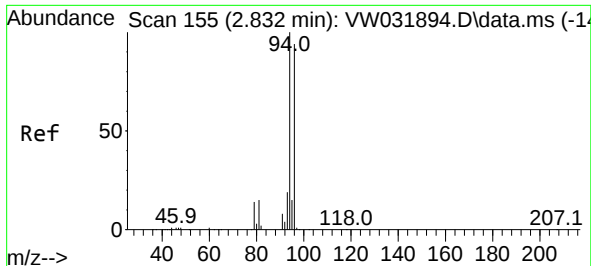
Tgt Ion: 50 Resp: 42396
Ion Ratio Lower Upper
50 100
52 32.6 25.7 38.5



#4
Vinyl Chloride
Concen: 19.752 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 62 Resp: 56162
Ion Ratio Lower Upper
62 100
64 35.5 26.2 39.2

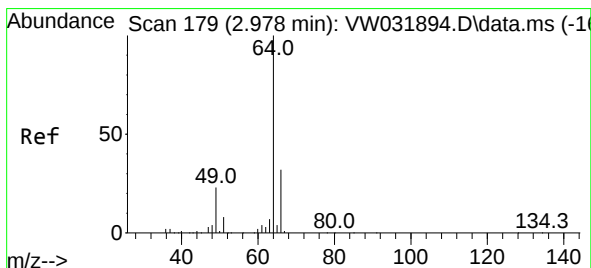
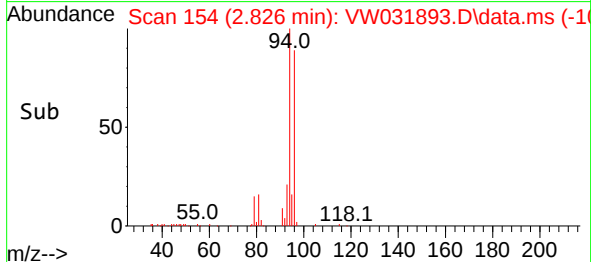
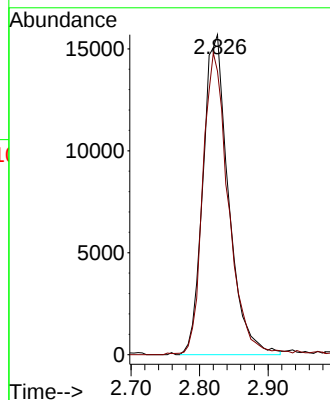
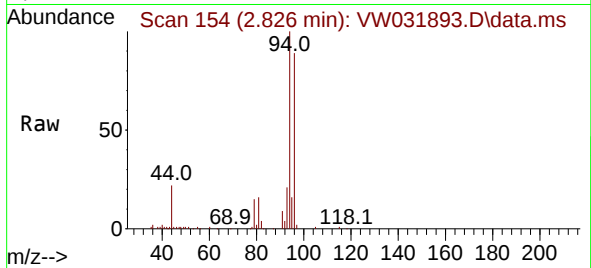




#5
Bromomethane
Concen: 19.454 ug/l
RT: 2.826 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031893.D
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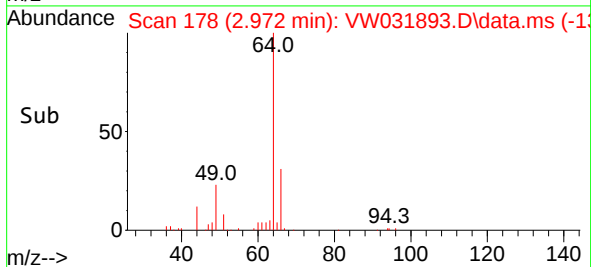
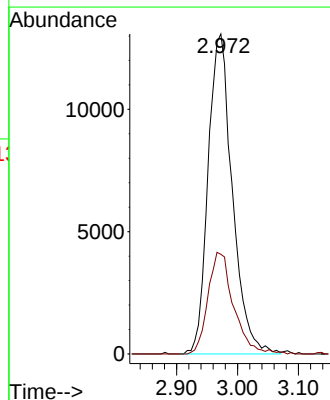
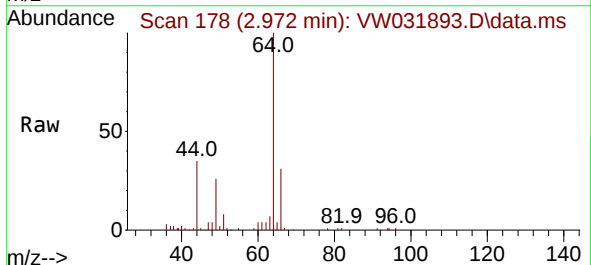
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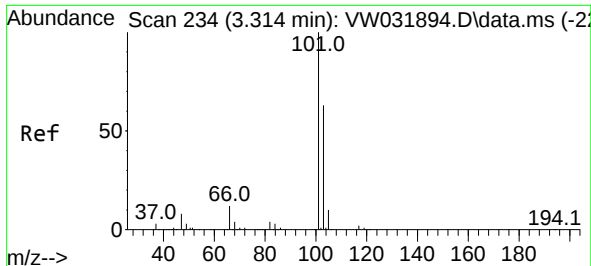
Tgt Ion: 94 Resp: 40732
Ion Ratio Lower Upper
94 100
96 88.1 75.0 112.6



#6
Chloroethane
Concen: 19.279 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031893.D
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Tgt Ion: 64 Resp: 36178
Ion Ratio Lower Upper
64 100
66 31.1 25.6 38.4

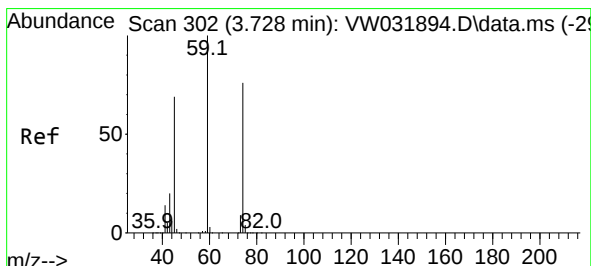
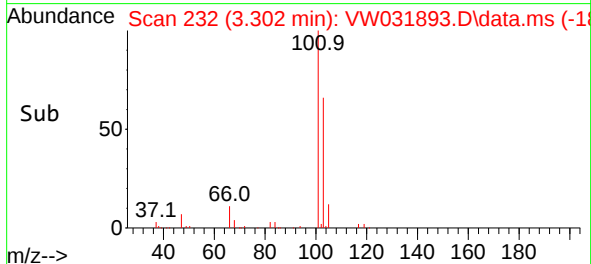
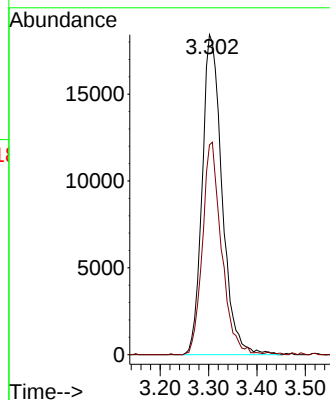
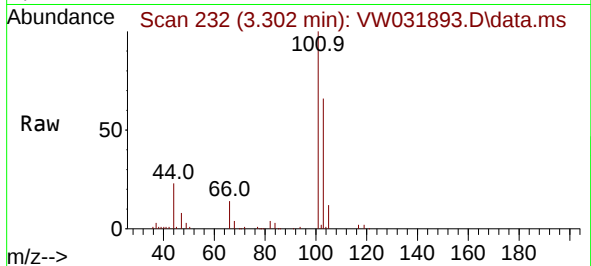




#7
 Trichlorofluoromethane
 Concen: 18.291 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VW031893.D
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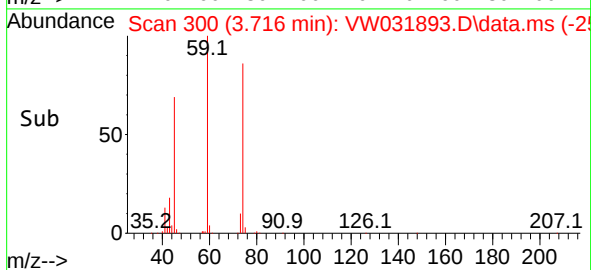
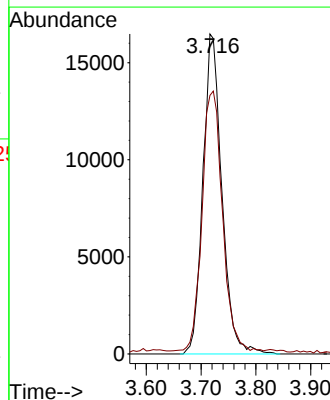
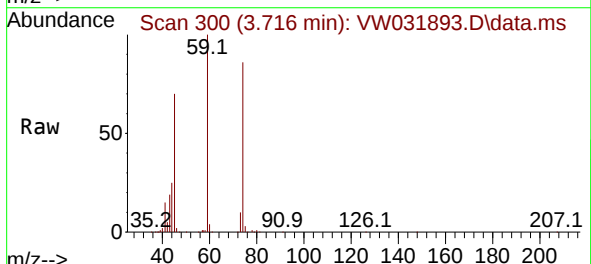
Instrument :
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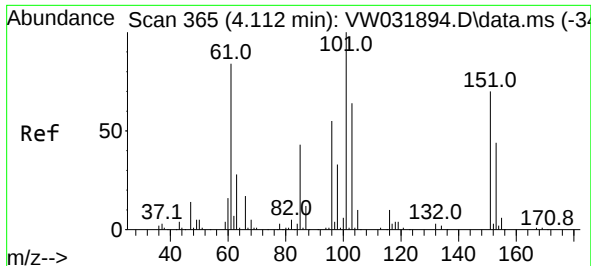
Tgt Ion:101 Resp: 52674
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.7 76.1



#8
 Diethyl Ether
 Concen: 20.534 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. -0.012 min
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Tgt Ion: 74 Resp: 39501
 Ion Ratio Lower Upper
 74 100
 45 87.3 45.5 136.5

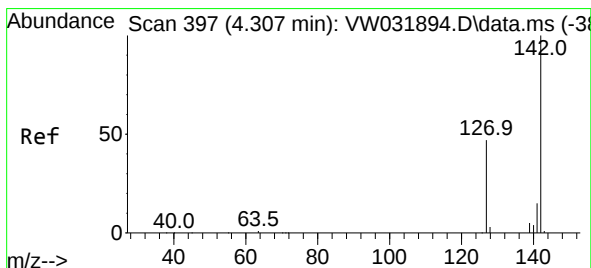
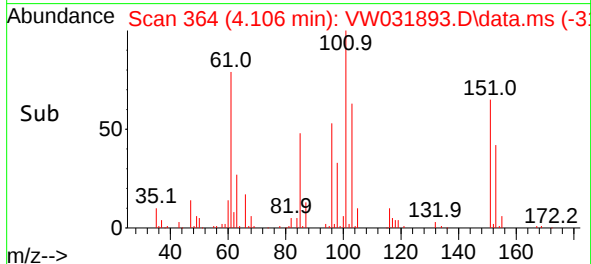
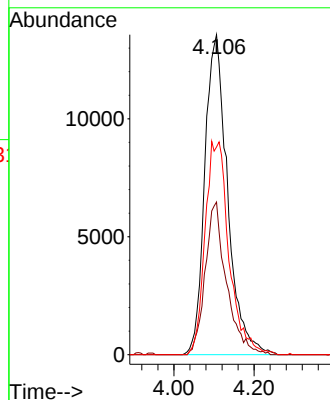
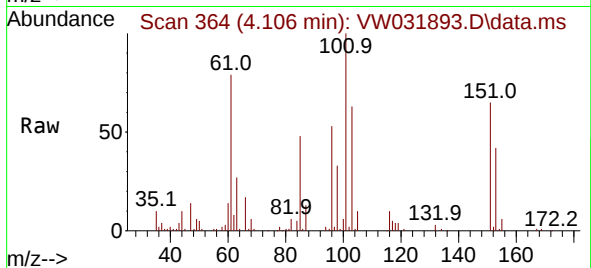




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.298 ug/l
RT: 4.106 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

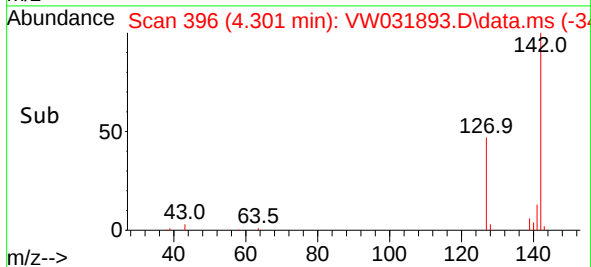
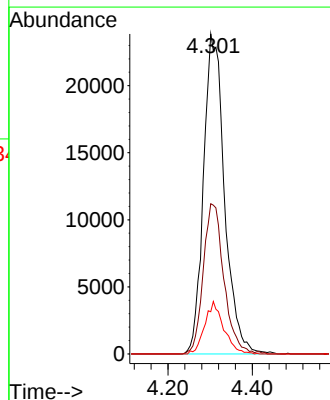
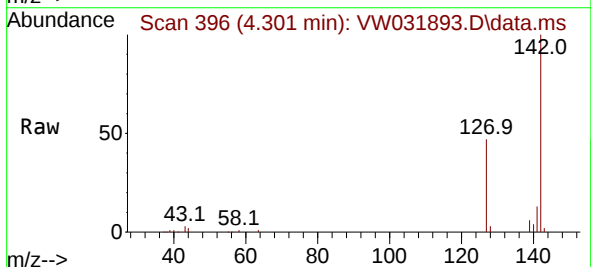
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

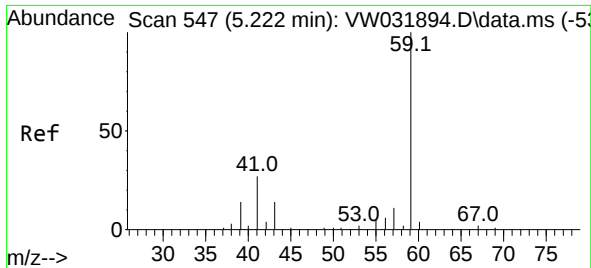
Tgt Ion:101 Resp: 53456
Ion Ratio Lower Upper
101 100
85 44.6 35.5 53.3
151 70.2 54.6 81.8



#10
Methyl Iodide
Concen: 19.972 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:142 Resp: 82715
Ion Ratio Lower Upper
142 100
127 46.2 37.4 56.2
141 14.8 11.9 17.9

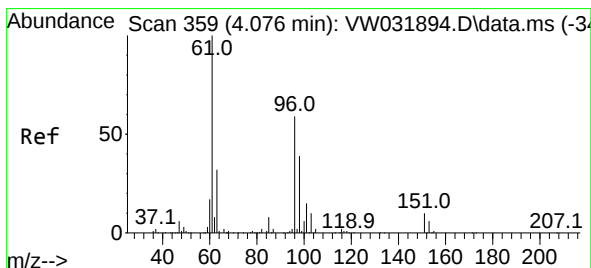
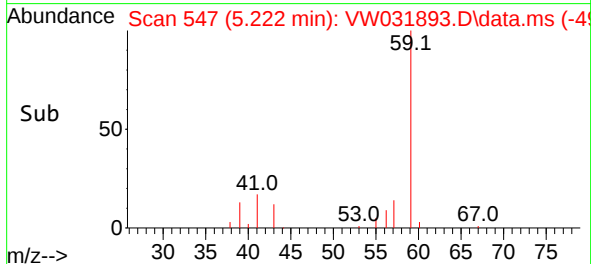
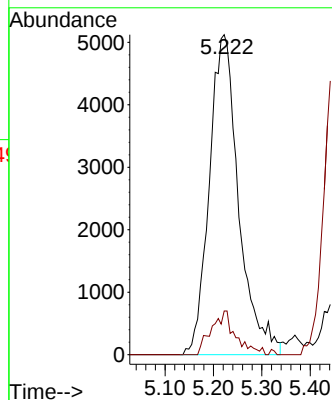
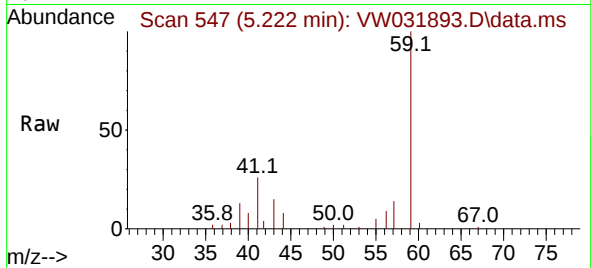




#11
Tert butyl alcohol
Concen: 105.975 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

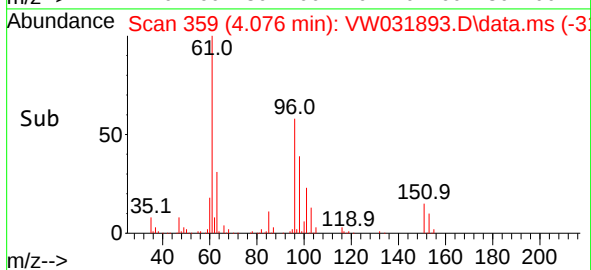
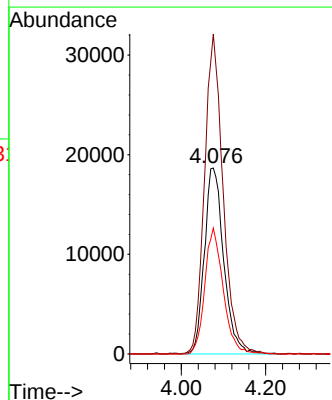
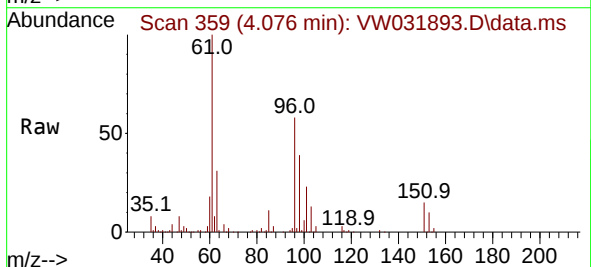
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 21622
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8



#12
1,1-Dichloroethene
Concen: 19.488 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 96 Resp: 59622
Ion Ratio Lower Upper
96 100
61 172.2 135.0 202.6
98 67.7 52.3 78.5

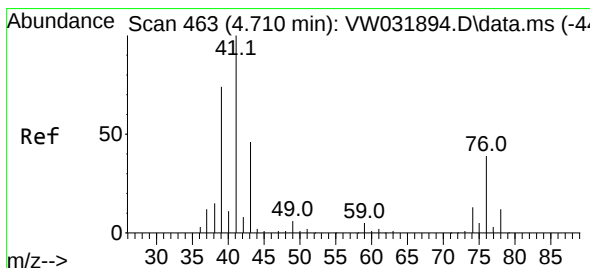
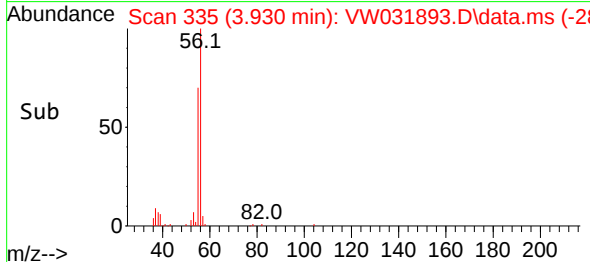
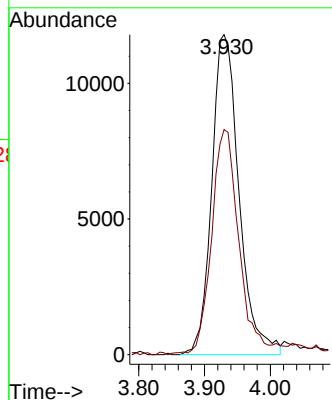
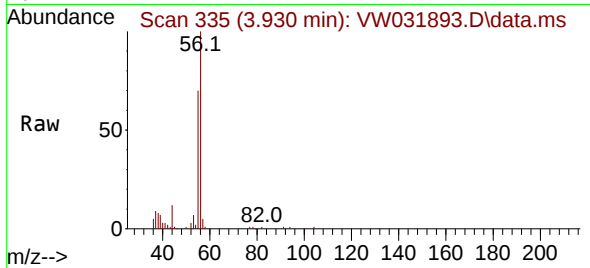




#13
Acrolein
Concen: 115.420 ug/l
RT: 3.930 min Scan# 31
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

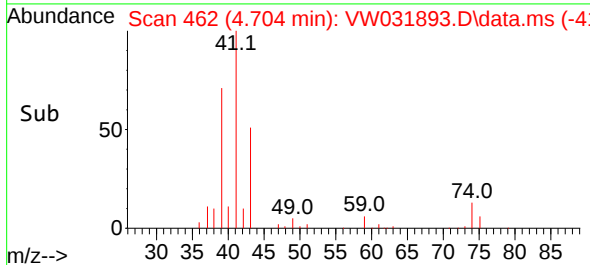
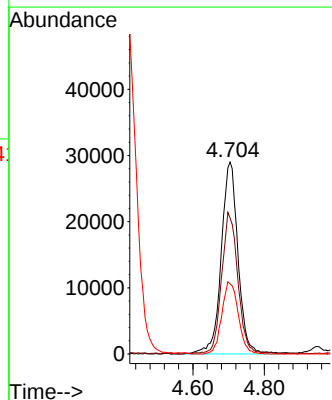
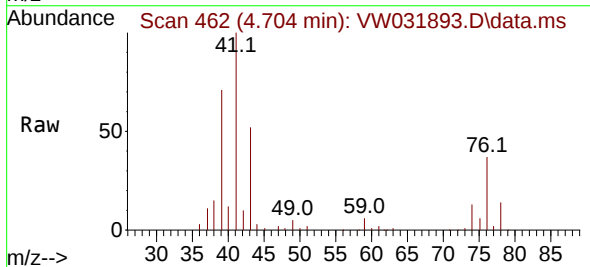
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

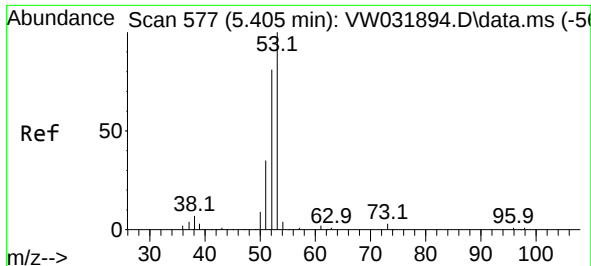
Tgt Ion: 56 Resp: 34117
Ion Ratio Lower Upper
56 100
55 70.0 56.7 85.1



#14
Allyl chloride
Concen: 19.882 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 41 Resp: 94691
Ion Ratio Lower Upper
41 100
39 71.5 56.6 85.0
76 36.8 30.1 45.1

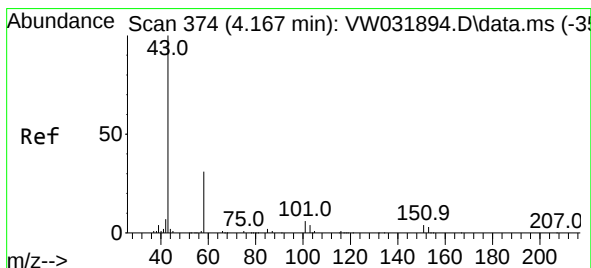
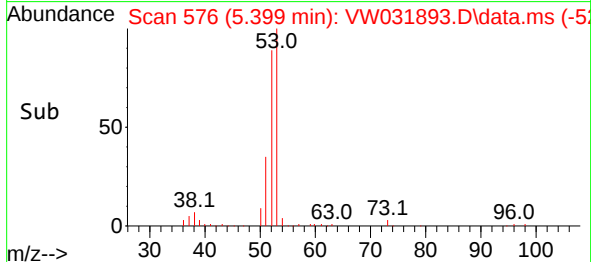
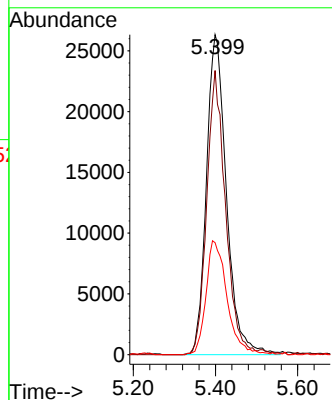
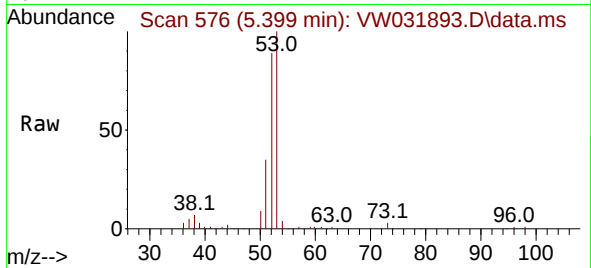




#15
Acrylonitrile
Concen: 103.525 ug/l
RT: 5.399 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

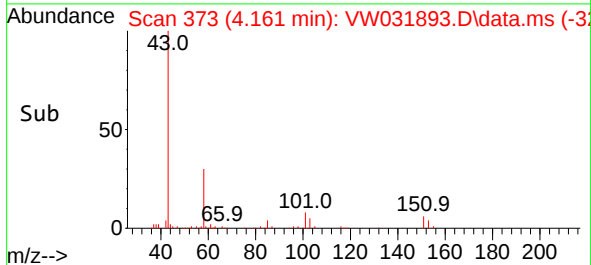
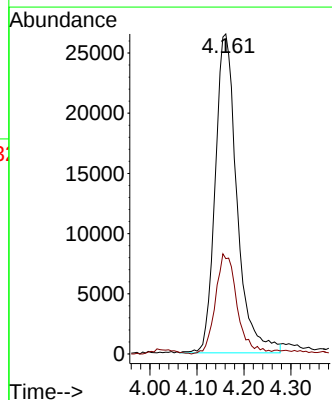
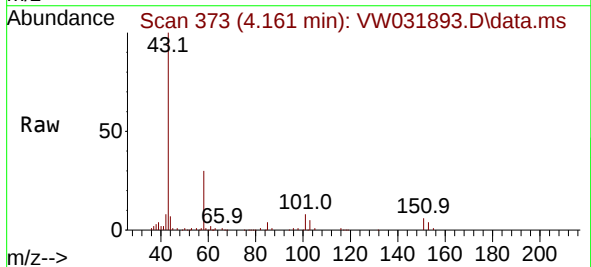
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

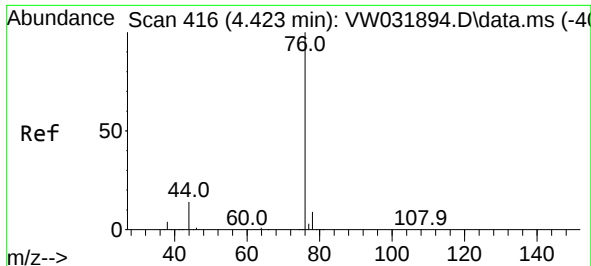
Tgt Ion: 53	Resp:	89035
Ion	Ratio	Lower Upper
53	100	
52	83.0	67.0 100.4
51	37.5	29.9 44.9



#16
Acetone
Concen: 103.374 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43	Resp:	85144
Ion	Ratio	Lower Upper
43	100	
58	29.4	25.5 38.3

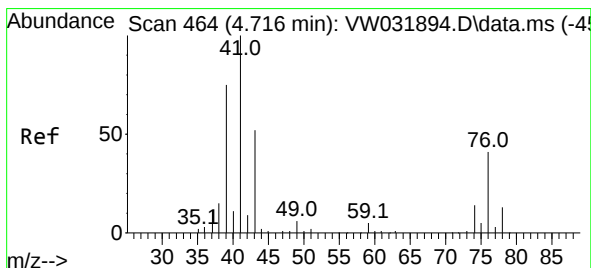
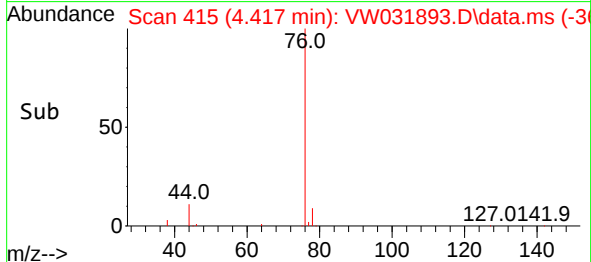
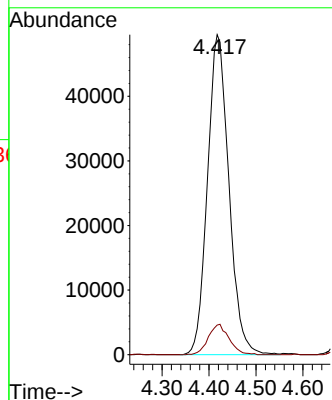
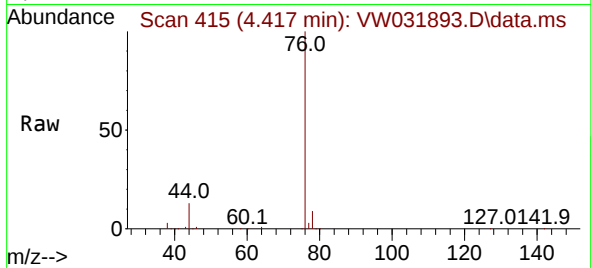




#17
Carbon Disulfide
Concen: 19.761 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

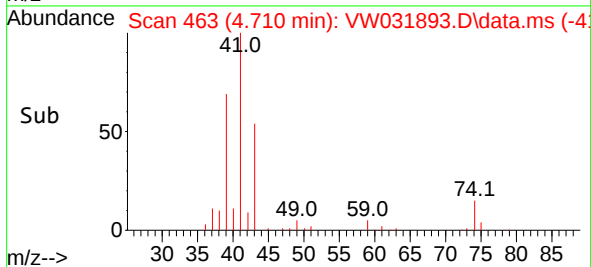
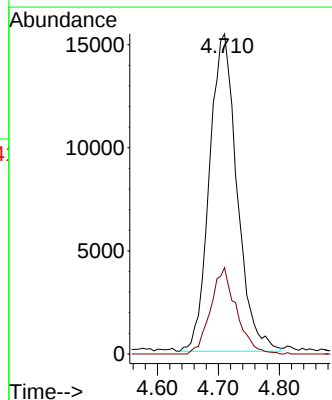
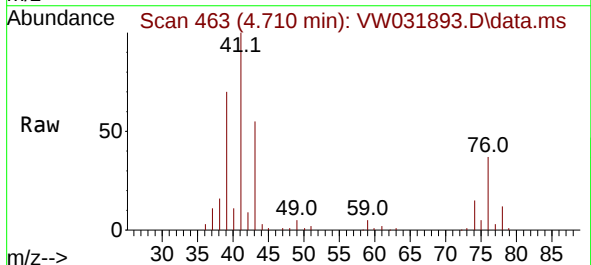
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

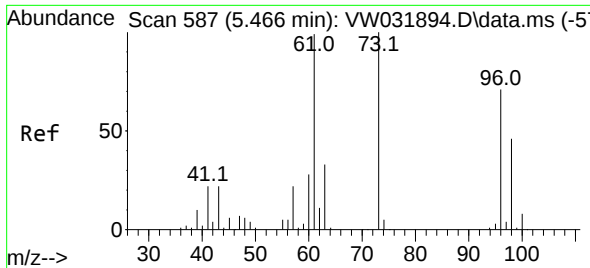
Tgt Ion: 76 Resp: 156802
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 21.384 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 48524
Ion Ratio Lower Upper
43 100
74 25.3 20.6 31.0

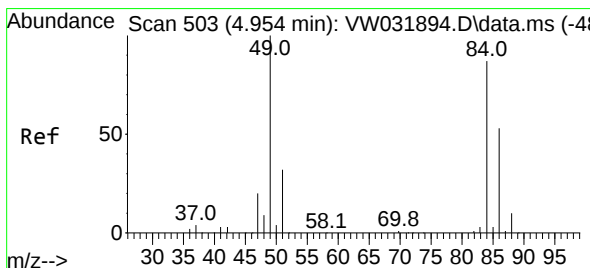
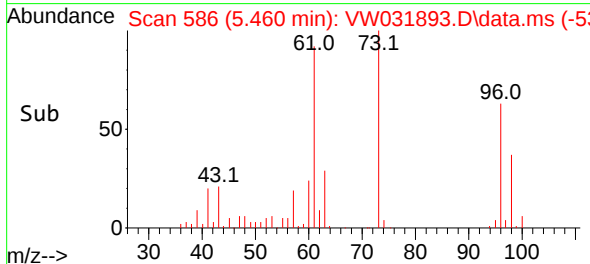
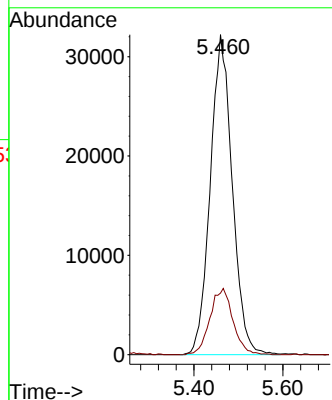
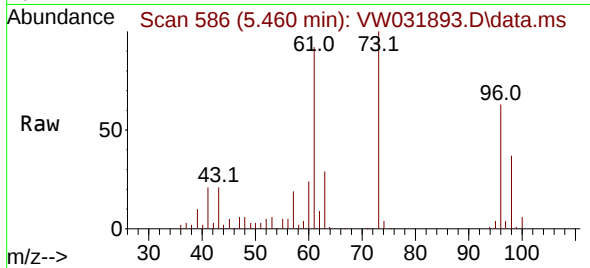




#19
Methyl tert-butyl Ether
Concen: 20.910 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

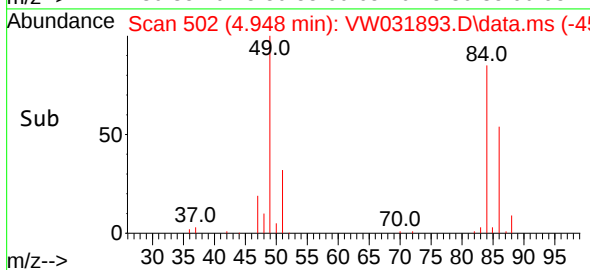
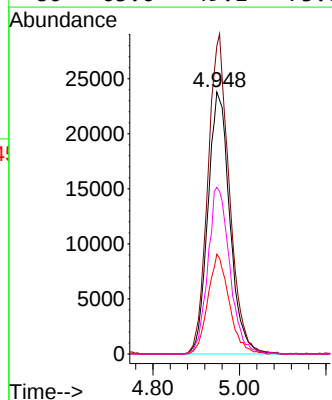
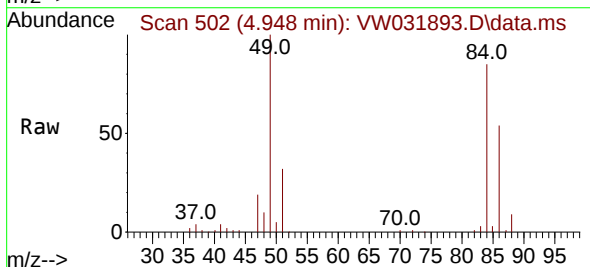
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

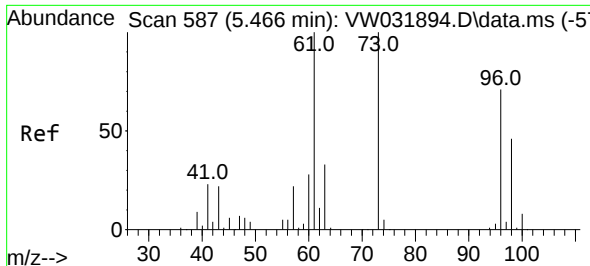
Tgt Ion: 73 Resp: 110536
Ion Ratio Lower Upper
73 100
57 19.3 17.5 26.3



#20
Methylene Chloride
Concen: 20.998 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 84 Resp: 83480
Ion Ratio Lower Upper
84 100
49 117.6 91.9 137.9
51 38.1 29.0 43.6
86 63.6 49.1 73.7

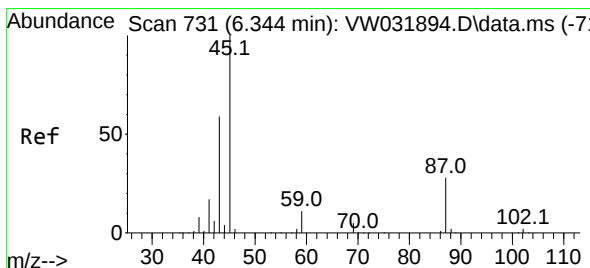
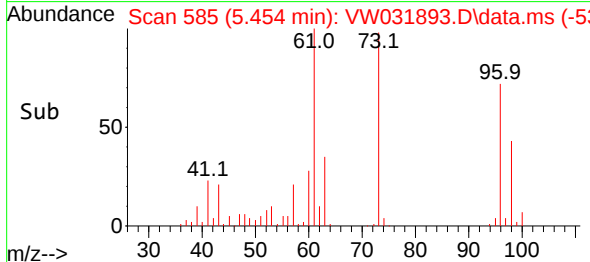
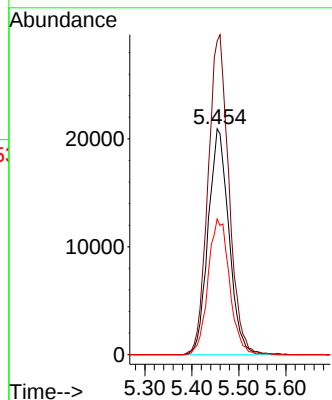
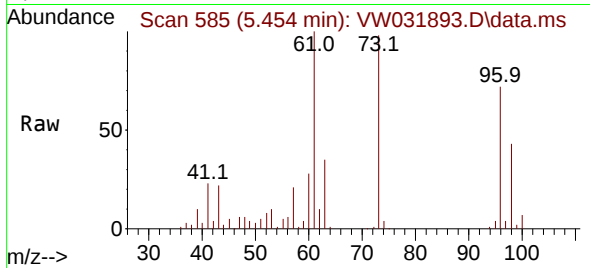




#21
trans-1,2-Dichloroethene
Concen: 19.711 ug/l
RT: 5.454 min Scan# 587
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

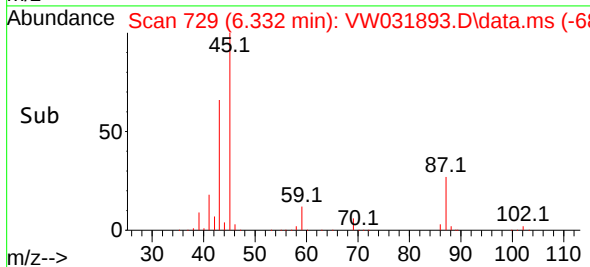
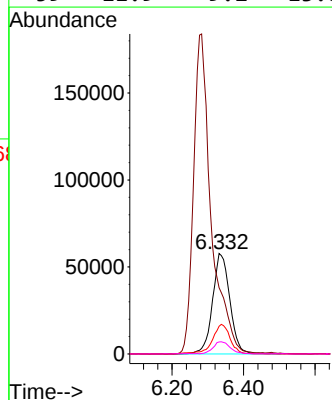
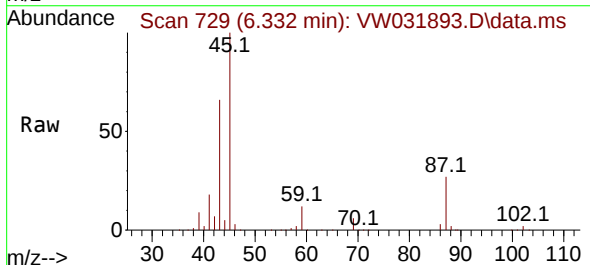
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

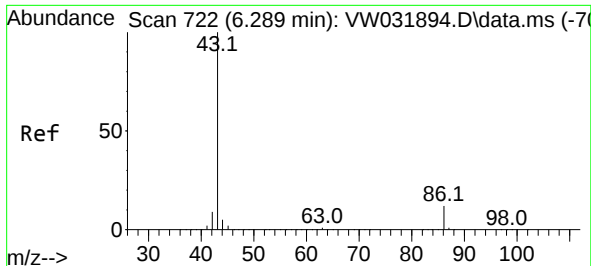
Tgt Ion: 96 Resp: 63984
Ion Ratio Lower Upper
96 100
61 138.8 112.8 169.2
98 60.1 51.9 77.9



#22
Diisopropyl ether
Concen: 20.325 ug/l
RT: 6.332 min Scan# 729
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 45 Resp: 193706
Ion Ratio Lower Upper
45 100
43 65.1 47.0 70.6
87 27.5 22.8 34.2
59 11.9 9.2 13.8

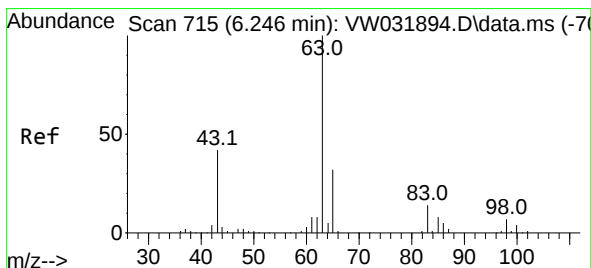
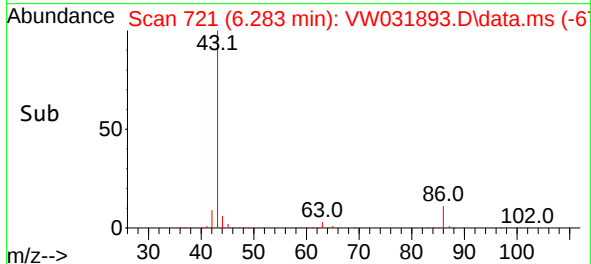
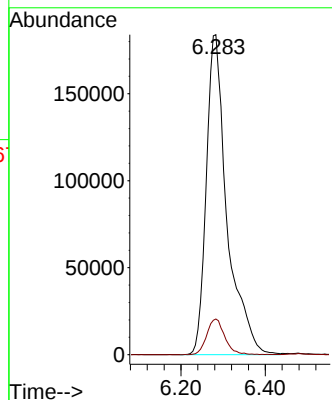
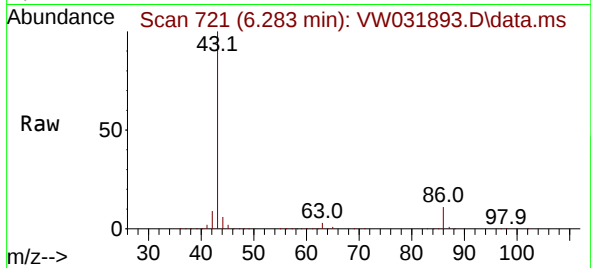




#23
 Vinyl Acetate
 Concen: 101.117 ug/l
 RT: 6.283 min Scan# 721
 Delta R.T. -0.006 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

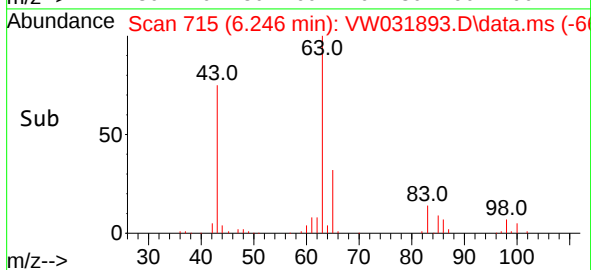
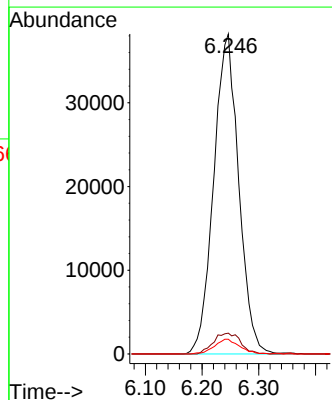
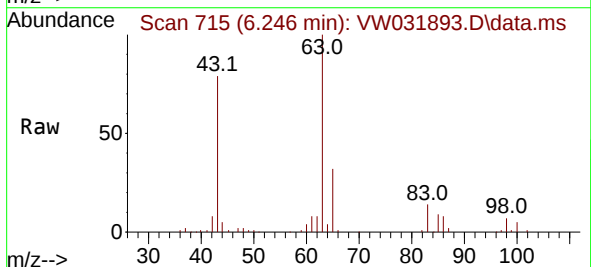
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

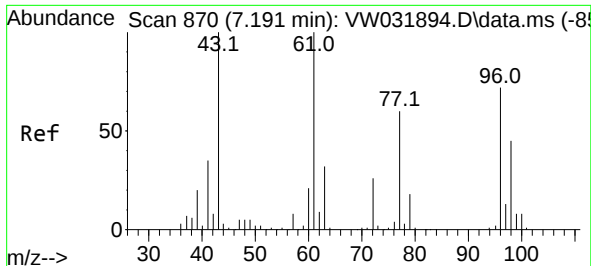
Tgt Ion: 43 Resp: 629578
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.4 14.2



#24
 1,1-Dichloroethane
 Concen: 19.699 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

Tgt Ion: 63 Resp: 116889
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.6 10.9
 100 4.6 2.2 6.6

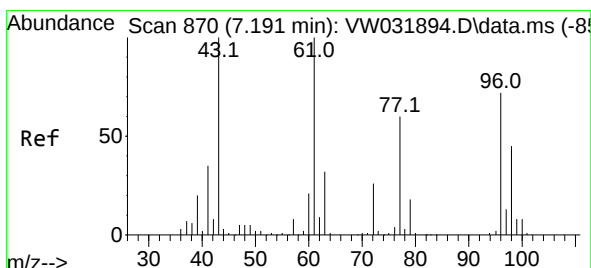
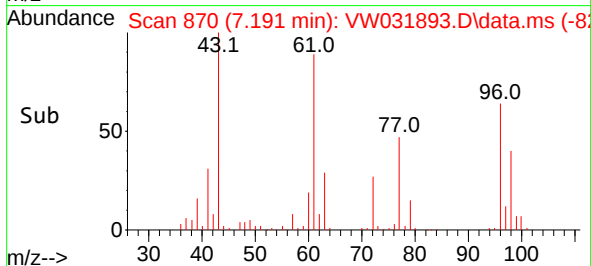
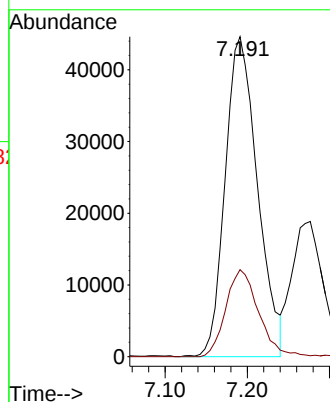
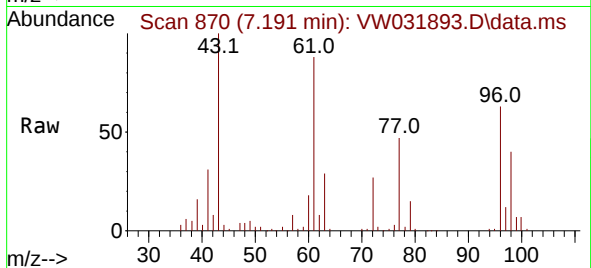




#25
2-Butanone
Concen: 108.213 ug/l
RT: 7.191 min Scan# 81
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

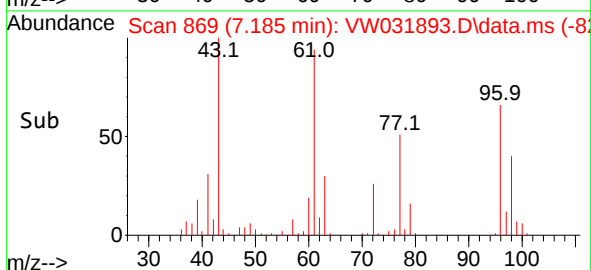
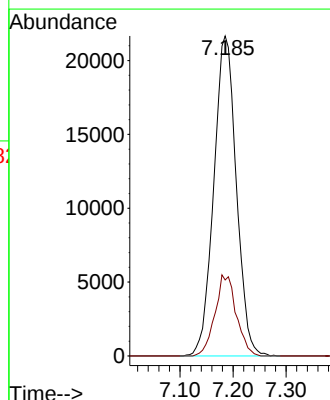
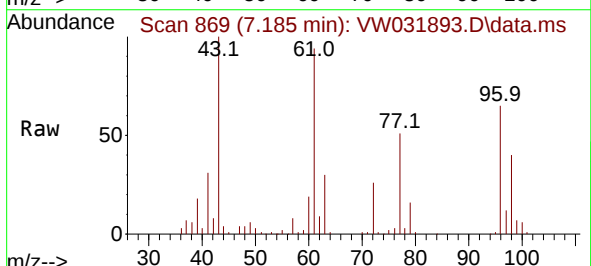
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

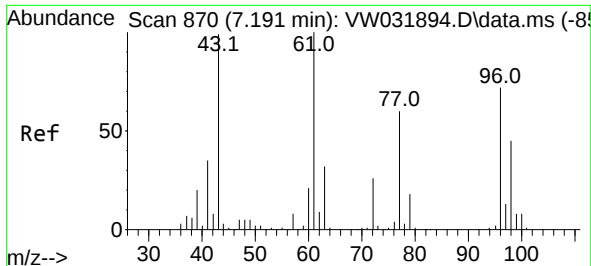
Tgt Ion: 43 Resp: 121949
Ion Ratio Lower Upper
43 100
72 27.2 20.8 31.2



#26
2,2-Dichloropropane
Concen: 19.023 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 77 Resp: 63903
Ion Ratio Lower Upper
77 100
97 23.9 11.4 34.1



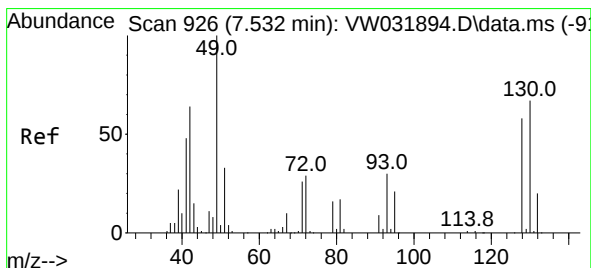
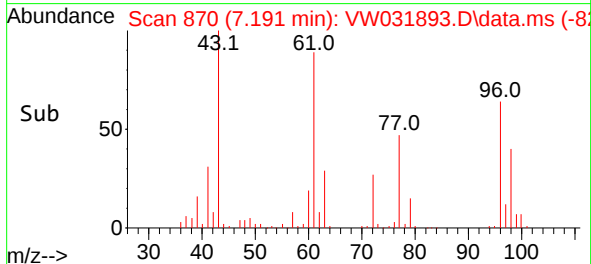
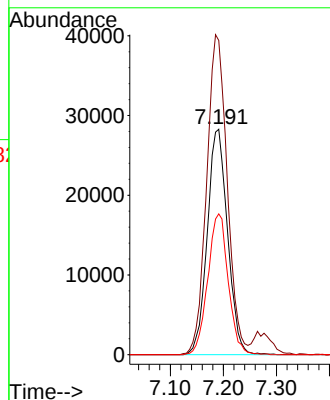
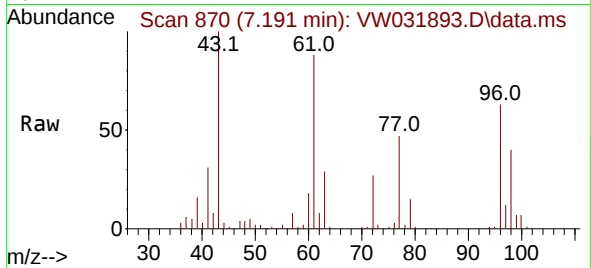


#27
 cis-1,2-Dichloroethene
 Concen: 19.753 ug/l
 RT: 7.191 min Scan# 870
 Delta R.T. 0.000 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 75384

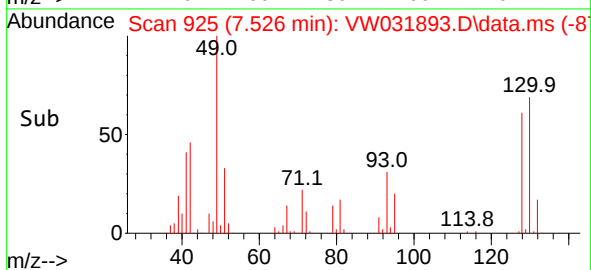
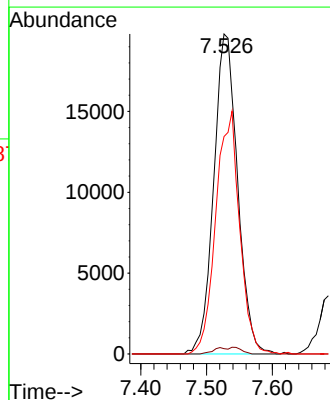
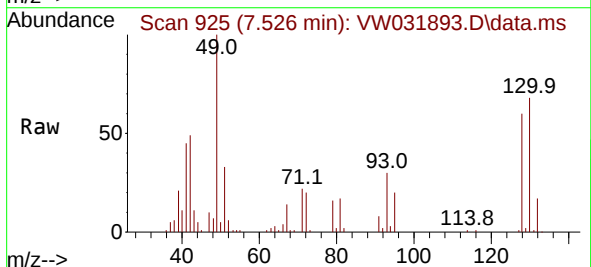
Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	280.2
98	62.8	0.0	126.8

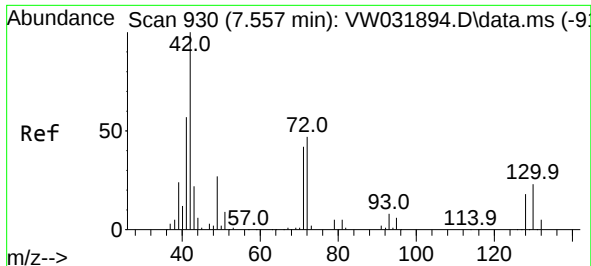


#28
 Bromochloromethane
 Concen: 20.156 ug/l
 RT: 7.526 min Scan# 925
 Delta R.T. -0.006 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

Tgt Ion: 49 Resp: 50074

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	0.0	59.0	88.4#

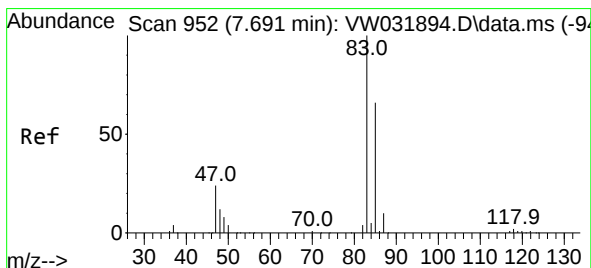
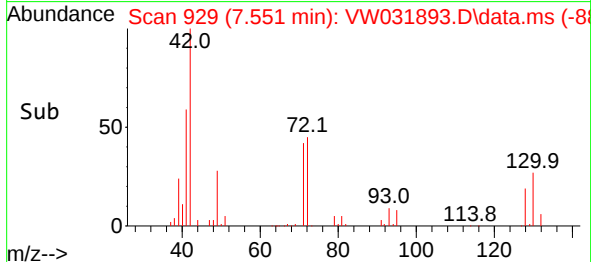
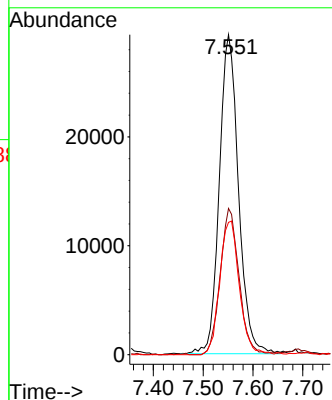
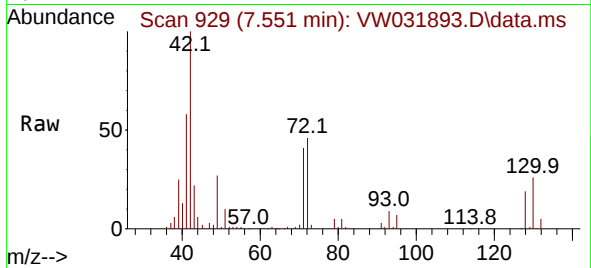




#29
Tetrahydrofuran
Concen: 105.769 ug/l
RT: 7.551 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

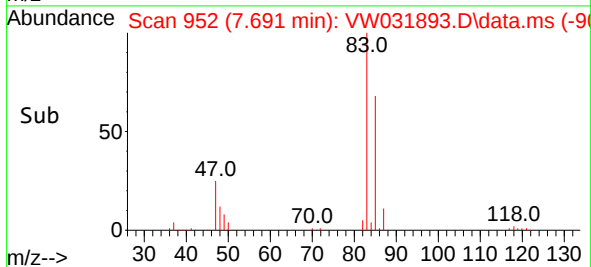
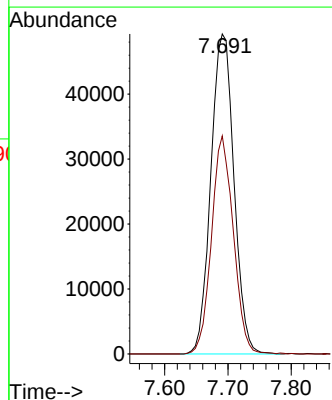
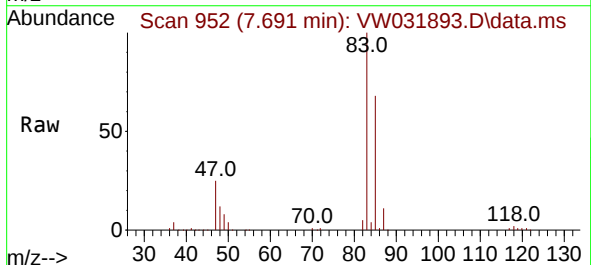
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

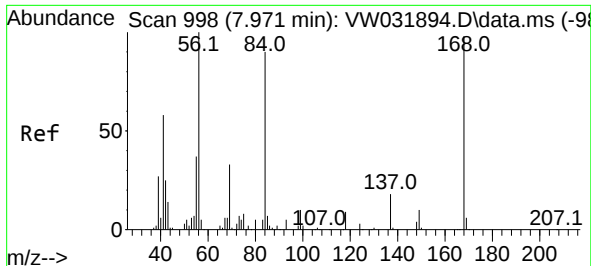
Tgt Ion: 42 Resp: 78147
Ion Ratio Lower Upper
42 100
72 44.9 37.0 55.6
71 42.9 34.5 51.7



#30
Chloroform
Concen: 20.096 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 83 Resp: 125023
Ion Ratio Lower Upper
83 100
85 68.1 52.6 78.8

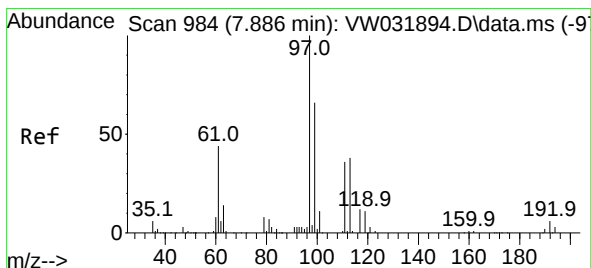
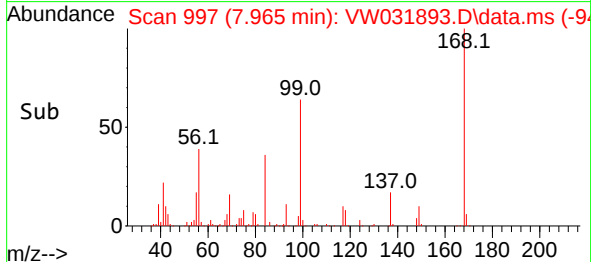
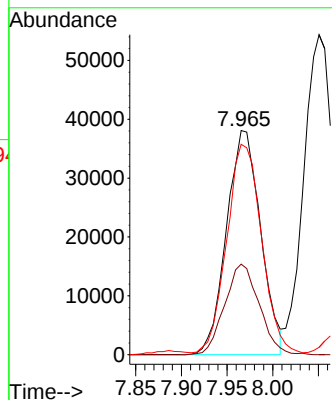
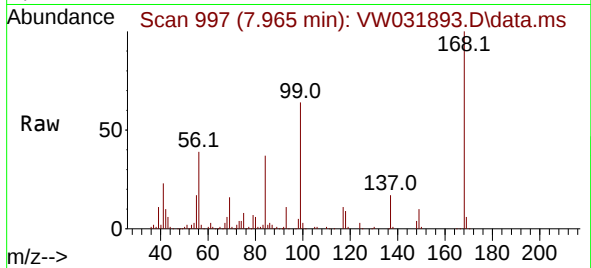




#31
Cyclohexane
Concen: 18.594 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

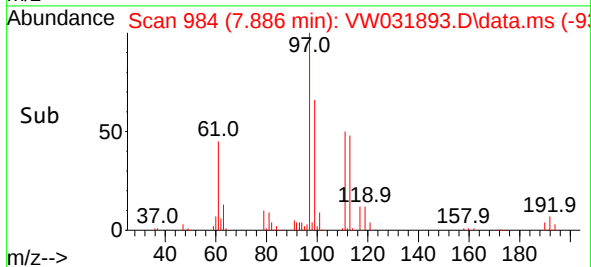
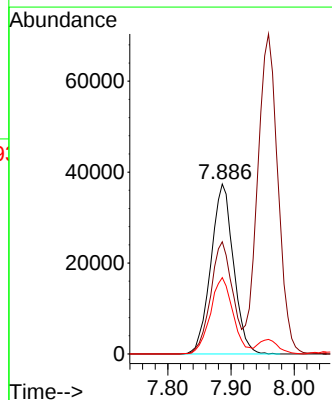
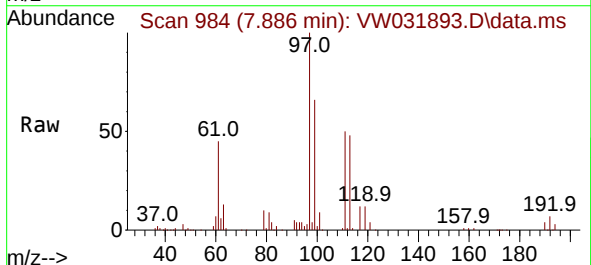
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

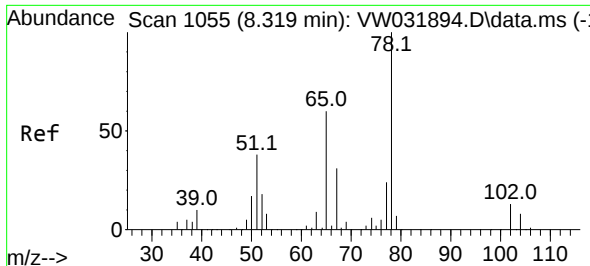
Tgt Ion: 56 Resp: 98980
Ion Ratio Lower Upper
56 100
69 40.4 26.7 40.1#
84 92.6 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 19.538 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 97 Resp: 92496
Ion Ratio Lower Upper
97 100
99 63.9 53.0 79.4
61 45.4 35.4 53.0

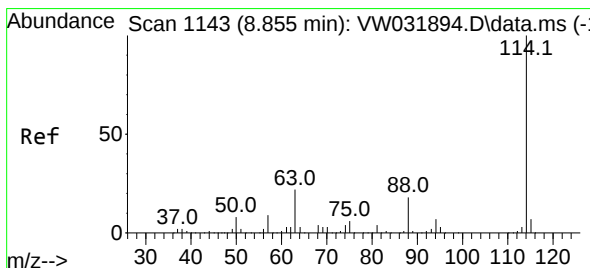
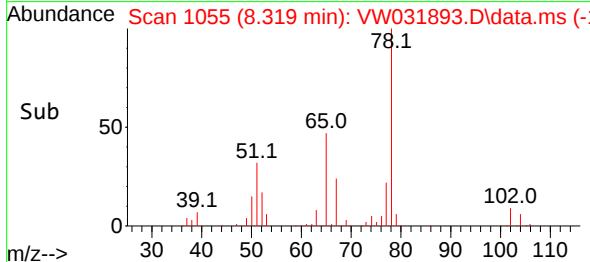
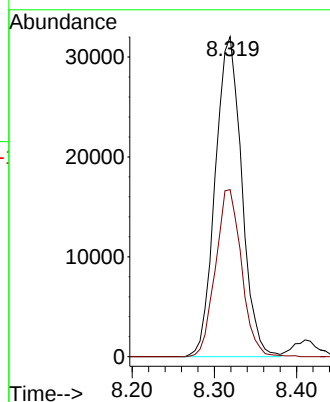
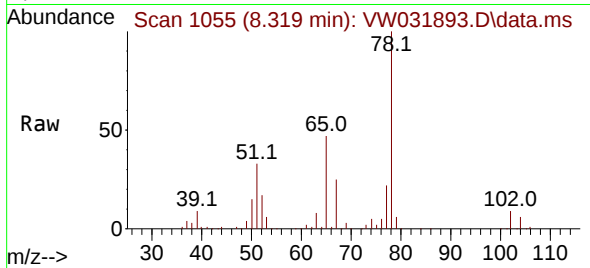




#33
 1,2-Dichloroethane-d4
 Concen: 20.672 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

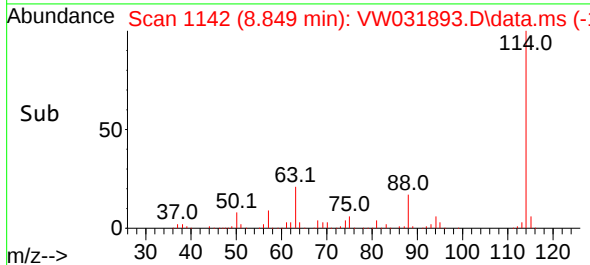
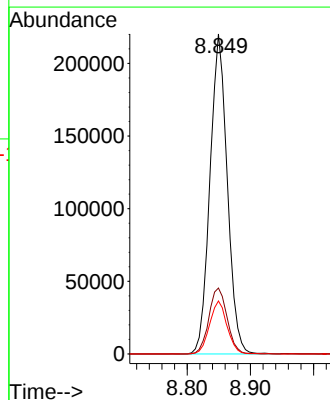
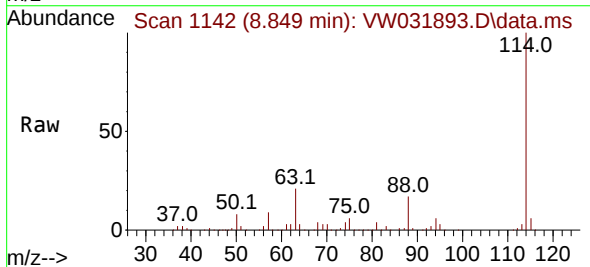
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

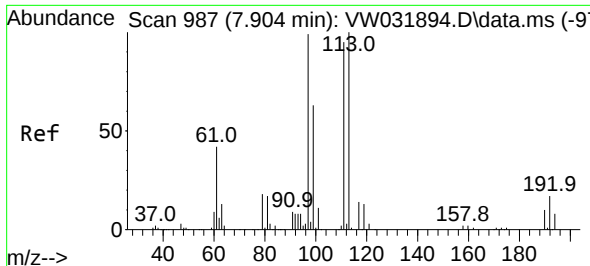
Tgt Ion: 65 Resp: 71753
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

Tgt Ion: 114 Resp: 418770
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 44.2
 88 16.6 0.0 35.6

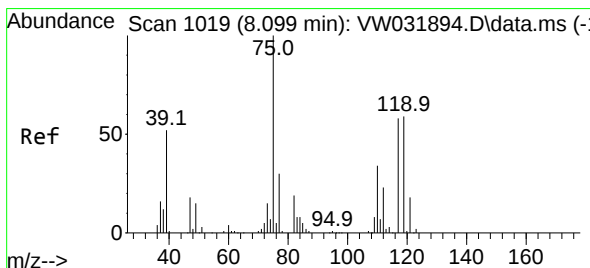
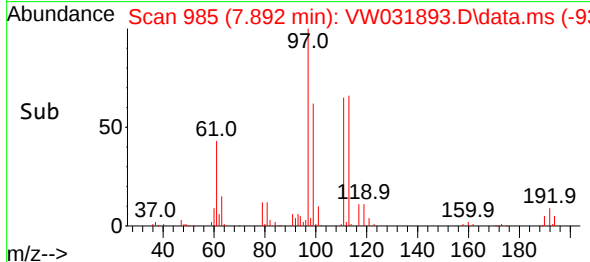
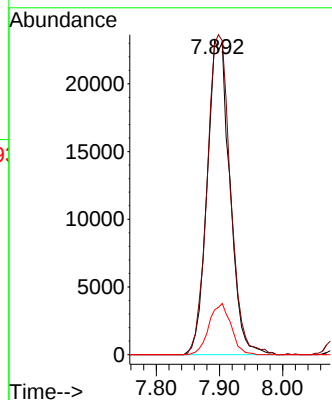
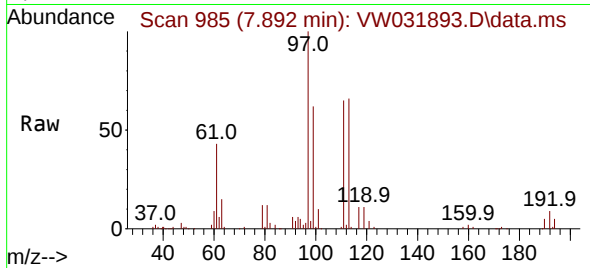




#35
 Dibromofluoromethane
 Concen: 20.372 ug/l
 RT: 7.892 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

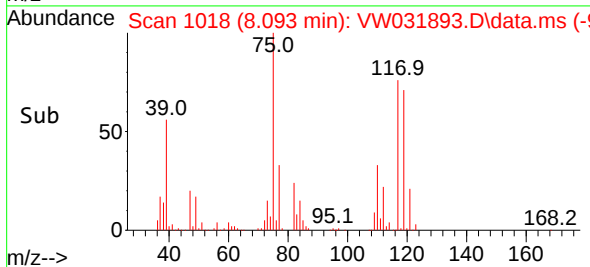
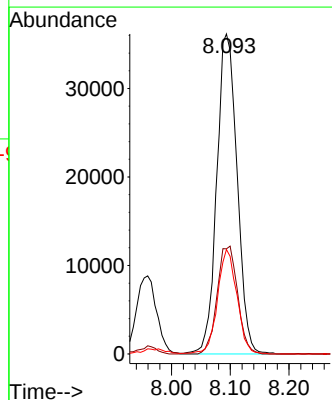
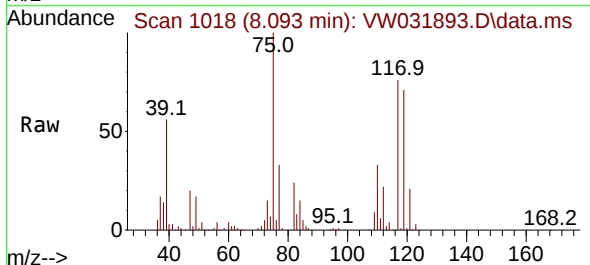
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

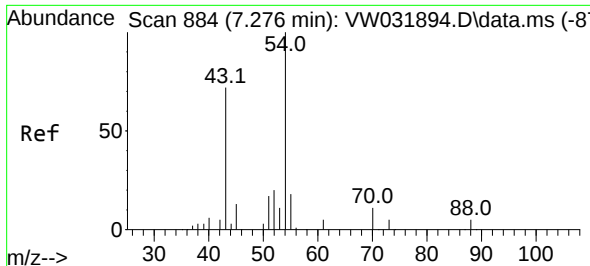
Tgt Ion:113 Resp: 57971
 Ion Ratio Lower Upper
 113 100
 111 103.9 79.9 119.9
 192 15.7 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 19.938 ug/l
 RT: 8.093 min Scan# 1018
 Delta R.T. -0.006 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 87130
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.0 50.9
 77 31.2 25.1 37.7





#37

Ethyl Acetate

Concen: 20.390 ug/l

RT: 7.277 min Scan# 884

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

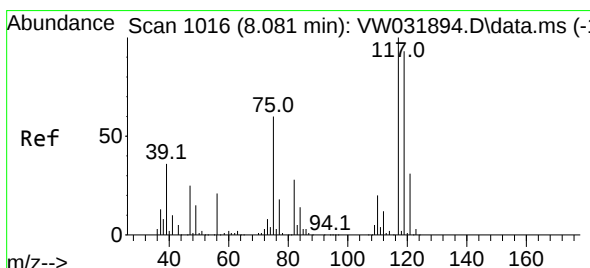
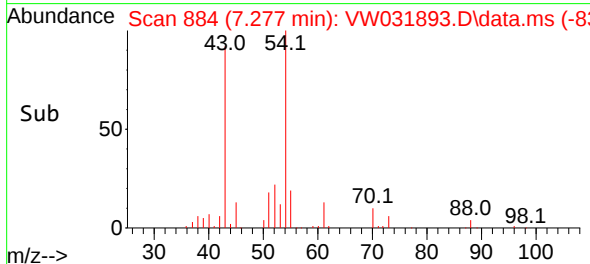
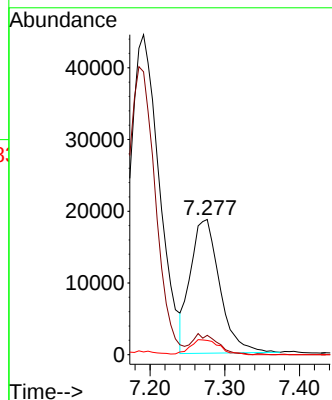
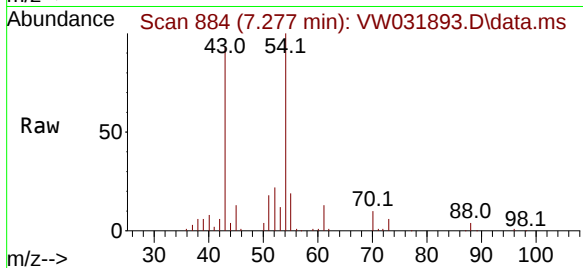
Tgt Ion: 43 Resp: 50830

Ion Ratio Lower Upper

43 100

61 13.4 10.6 15.8

70 11.1 9.0 13.4



#38

Carbon Tetrachloride

Concen: 20.036 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

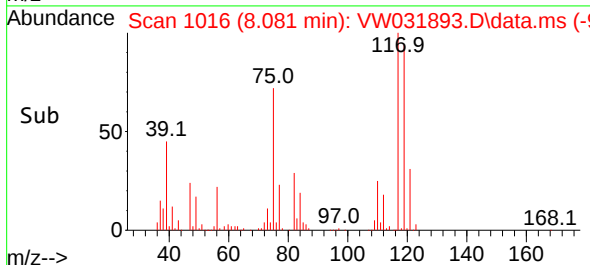
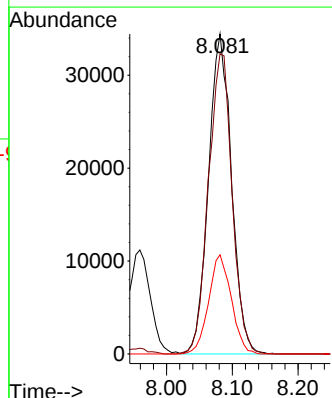
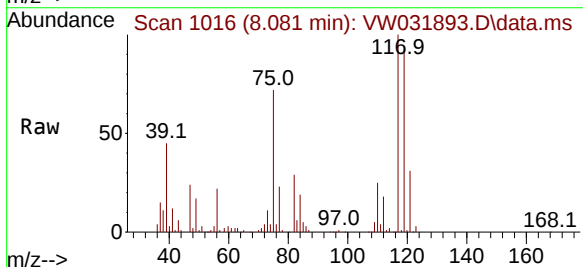
Tgt Ion: 117 Resp: 84031

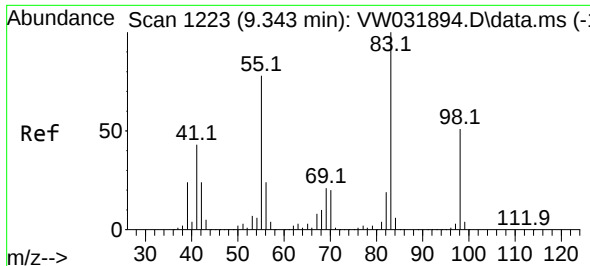
Ion Ratio Lower Upper

117 100

119 93.8 74.3 111.5

121 31.0 24.6 37.0

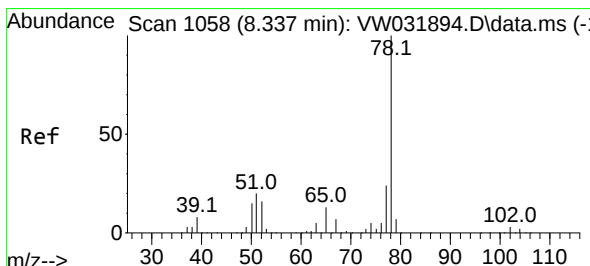
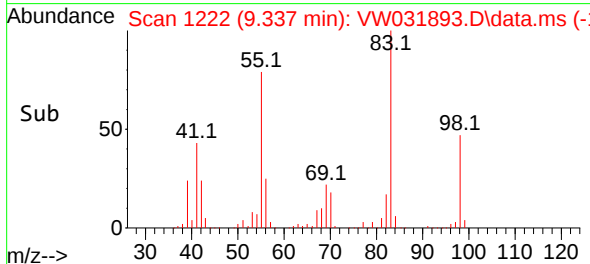
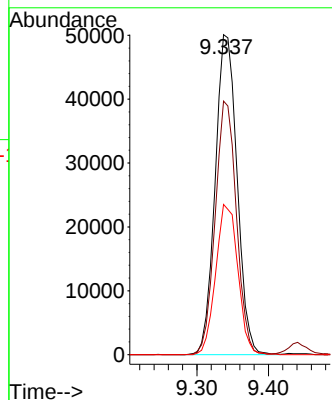
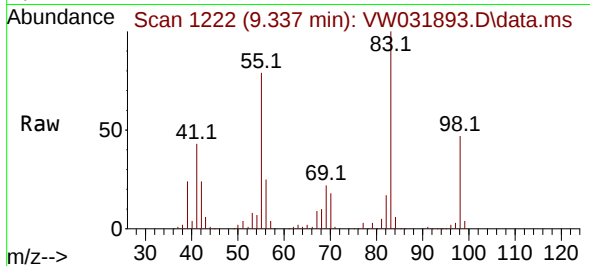




#39
Methylcyclohexane
Concen: 19.394 ug/l
RT: 9.337 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

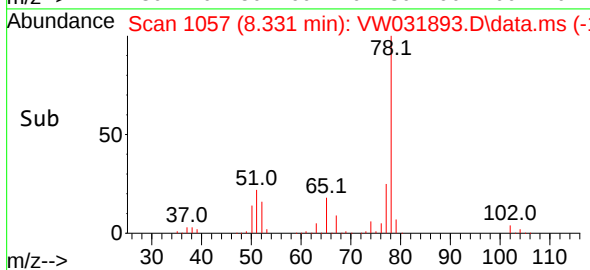
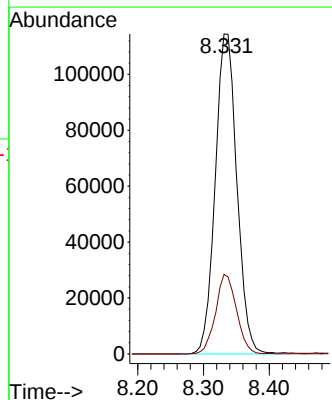
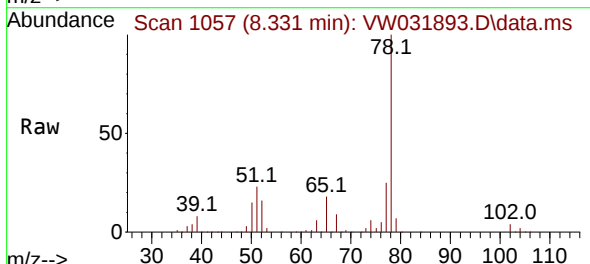
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

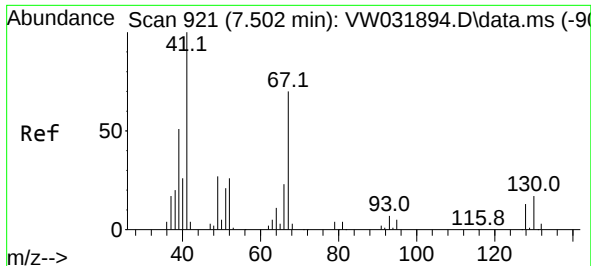
Tgt Ion: 83 Resp: 106658
Ion Ratio Lower Upper
83 100
55 79.3 62.5 93.7
98 46.9 40.6 61.0



#40
Benzene
Concen: 20.261 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 78 Resp: 262100
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9



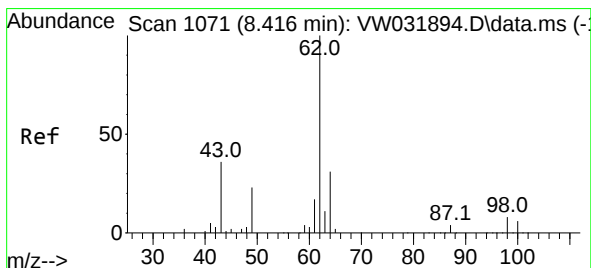
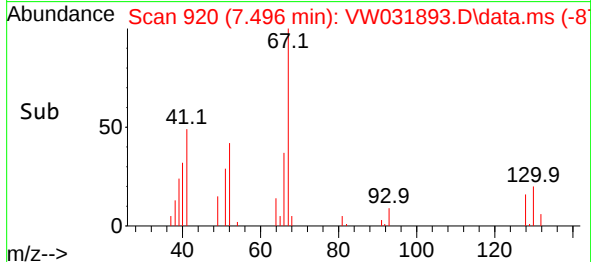
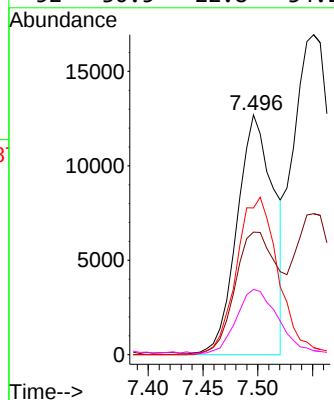
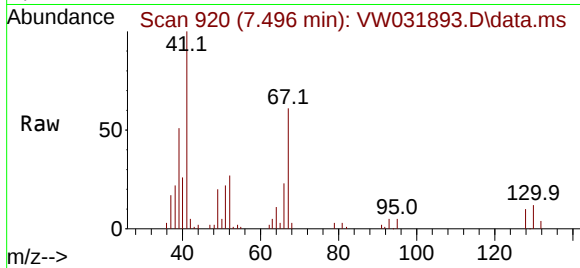


#41
Methacrylonitrile
Concen: 20.230 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 29705

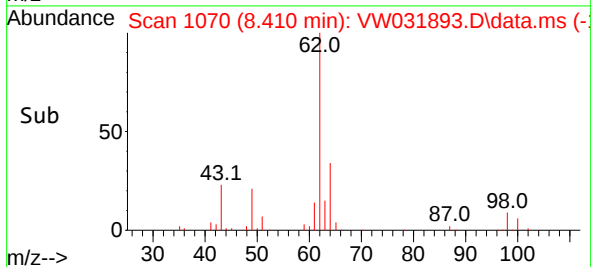
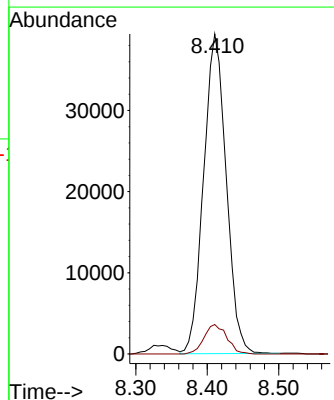
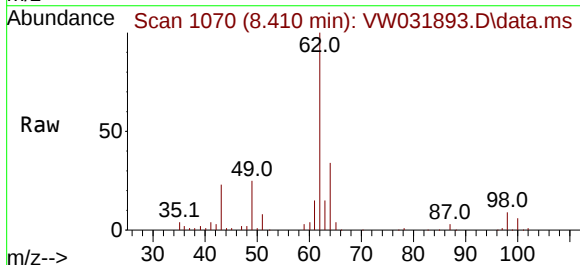
Ion	Ratio	Lower	Upper
41	100		
39	60.1	41.1	61.7
67	75.3	56.2	84.4
52	30.5	22.8	34.2

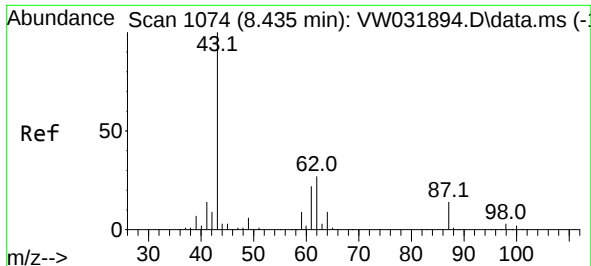


#42
1,2-Dichloroethane
Concen: 20.880 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 62 Resp: 86447

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

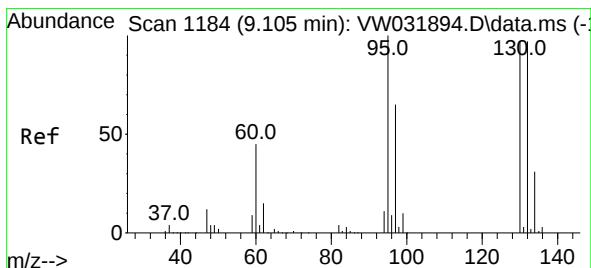
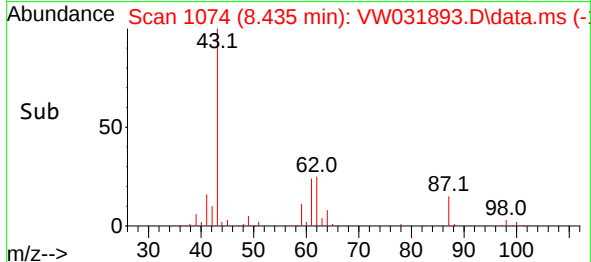
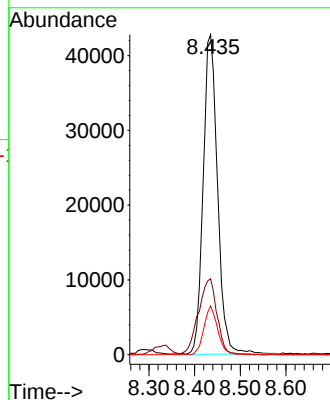
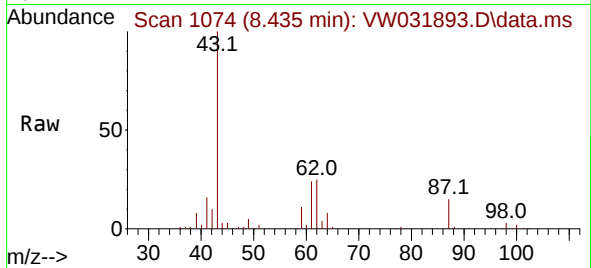




#43
Isopropyl Acetate
Concen: 20.628 ug/l
RT: 8.435 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

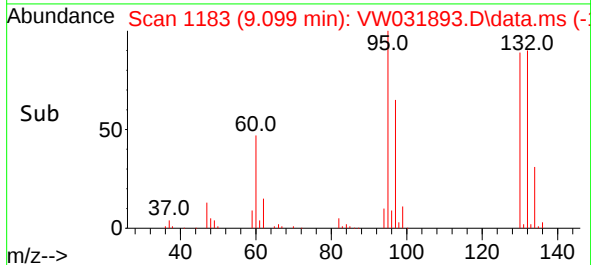
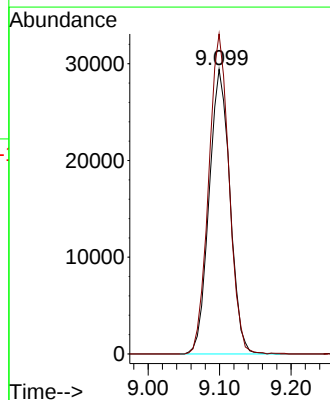
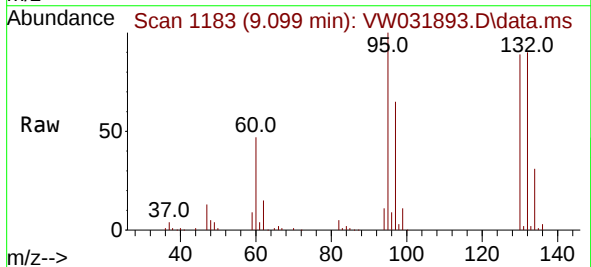
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

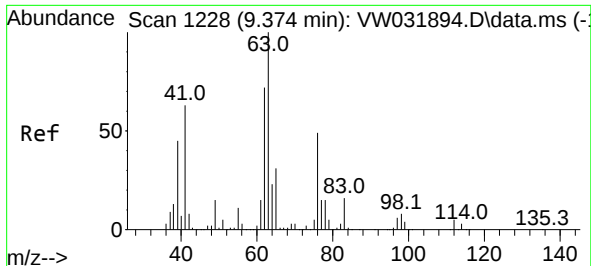
Tgt Ion: 43 Resp: 93094
Ion Ratio Lower Upper
43 100
61 30.7 24.0 36.0
87 14.5 11.1 16.7



#44
Trichloroethene
Concen: 19.406 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 130 Resp: 59670
Ion Ratio Lower Upper
130 100
95 112.4 0.0 206.4





#45

1,2-Dichloropropane

Concen: 20.231 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

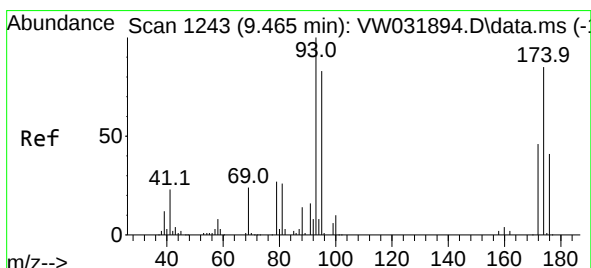
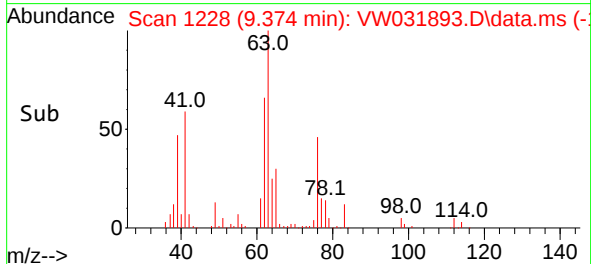
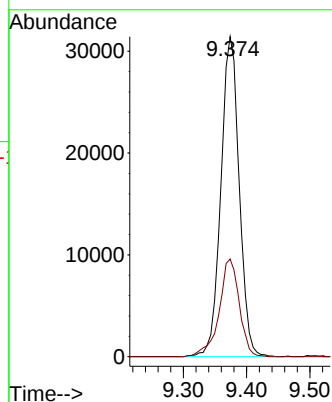
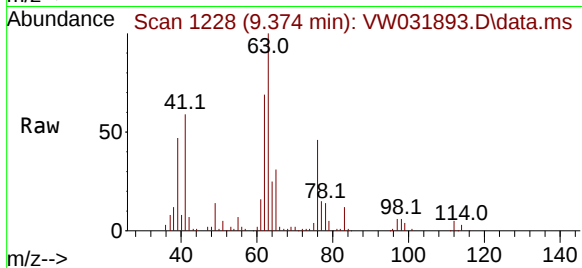
VSTDICC020

Tgt Ion: 63 Resp: 63028

Ion Ratio Lower Upper

63 100

65 30.5 25.0 37.4



#46

Dibromomethane

Concen: 20.937 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

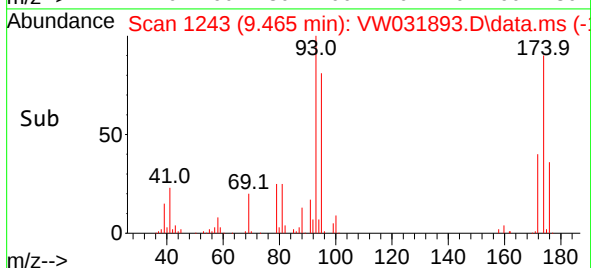
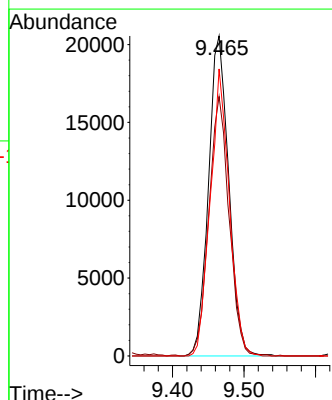
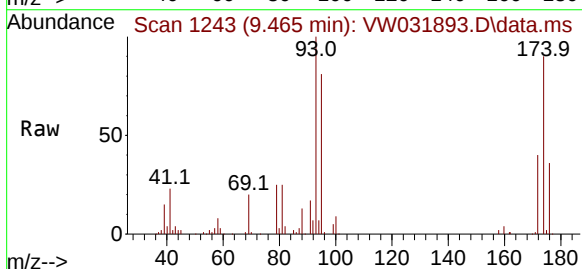
Tgt Ion: 93 Resp: 40434

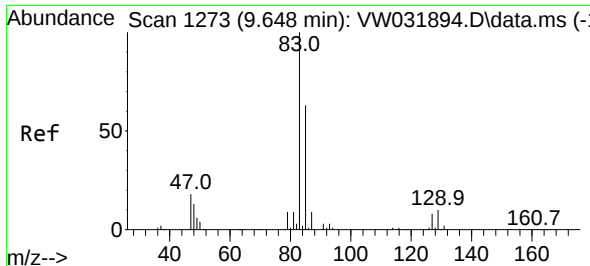
Ion Ratio Lower Upper

93 100

95 81.0 65.8 98.6

174 84.4 70.2 105.2

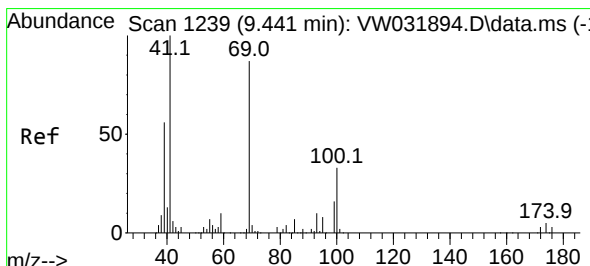
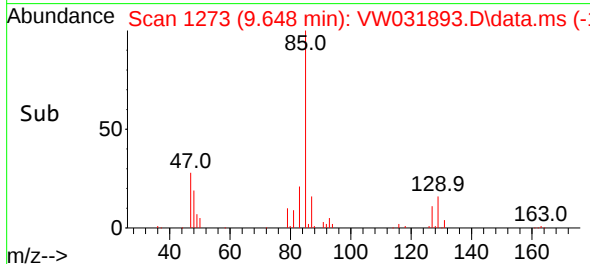
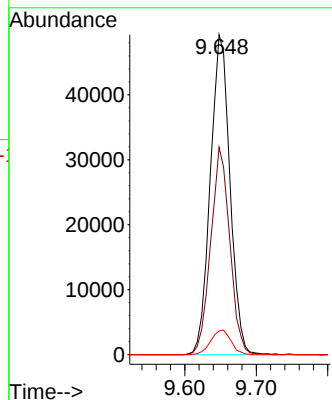
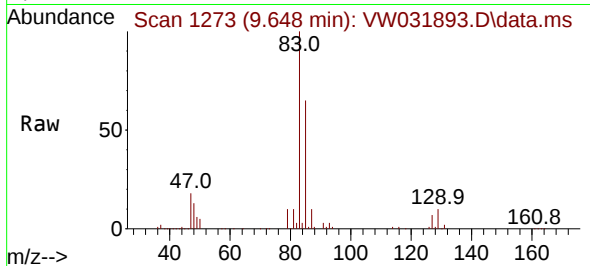




#47
Bromodichloromethane
Concen: 20.278 ug/l
RT: 9.648 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

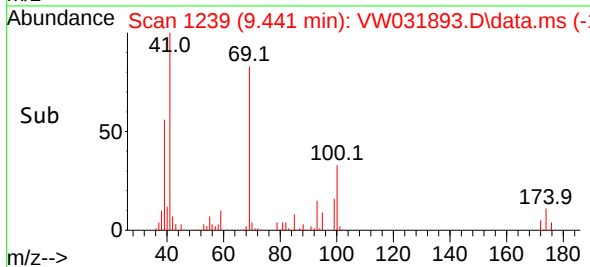
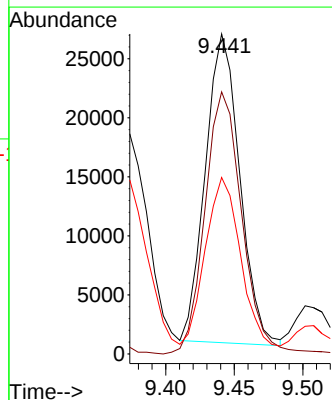
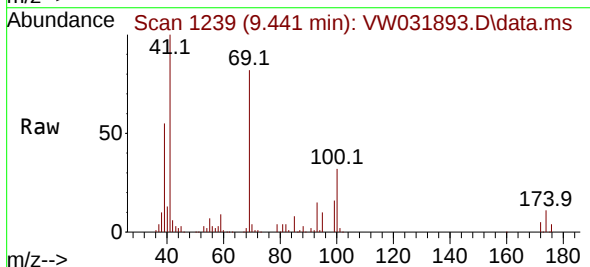
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

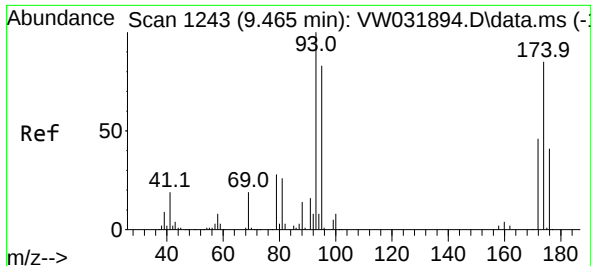
Tgt Ion: 83 Resp: 93907
Ion Ratio Lower Upper
83 100
85 64.8 50.6 76.0
127 7.4 6.5 9.7



#48
Methyl methacrylate
Concen: 21.215 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 41 Resp: 45551
Ion Ratio Lower Upper
41 100
69 92.0 73.6 110.4
39 55.8 45.5 68.3





#49

1,4-Dioxane

Concen: 393.293 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

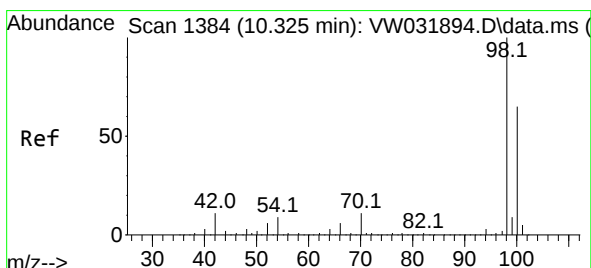
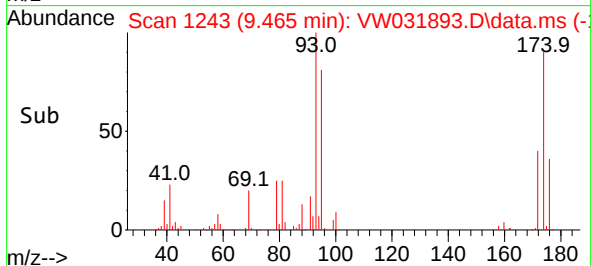
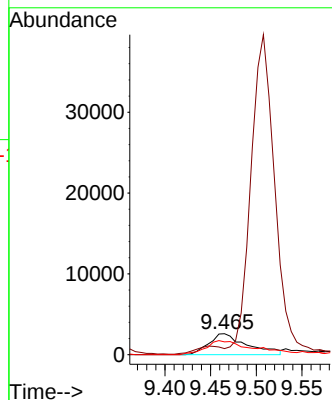
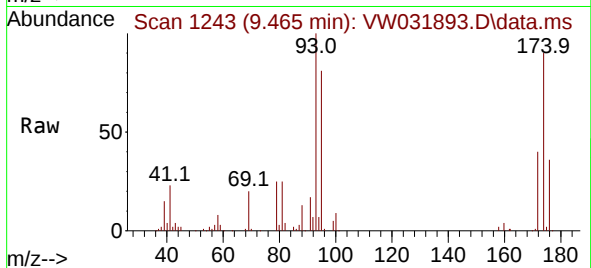
Tgt Ion: 88 Resp: 7579

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.4#

58 82.9 58.2 87.2



#50

Toluene-d8

Concen: 20.636 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031893.D

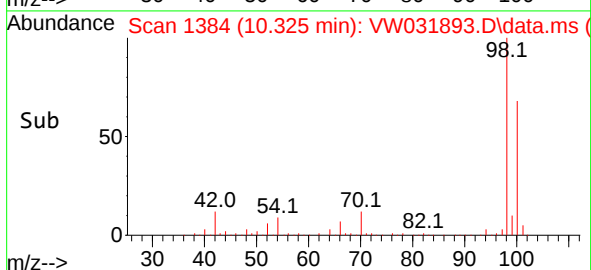
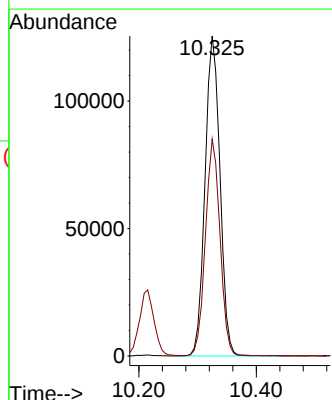
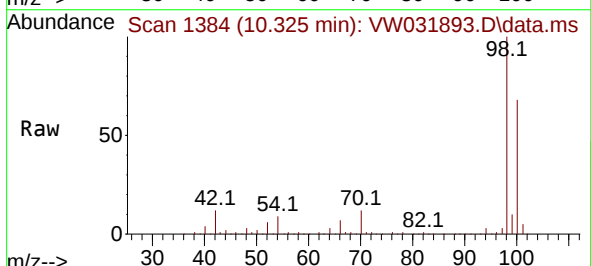
Acq: 22 Jul 2025 10:17

Tgt Ion: 98 Resp: 222244

Ion Ratio Lower Upper

98 100

100 66.1 51.7 77.5

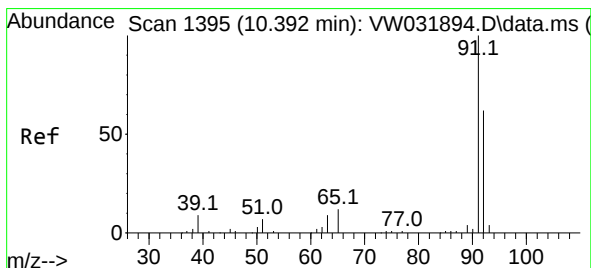
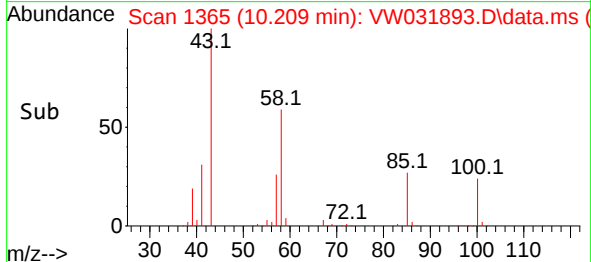
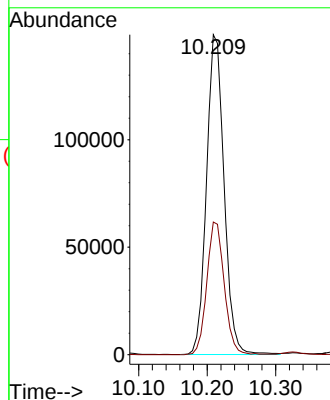
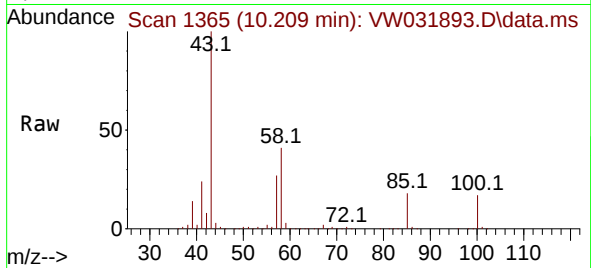




#51
4-Methyl-2-Pentanone
Concen: 107.527 ug/l
RT: 10.209 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

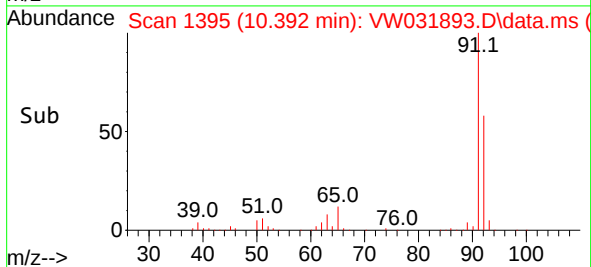
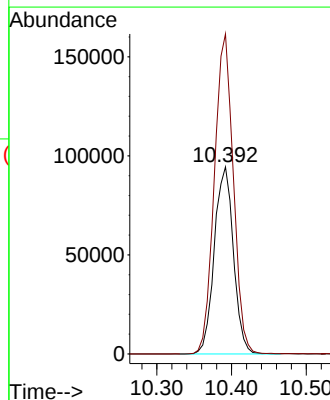
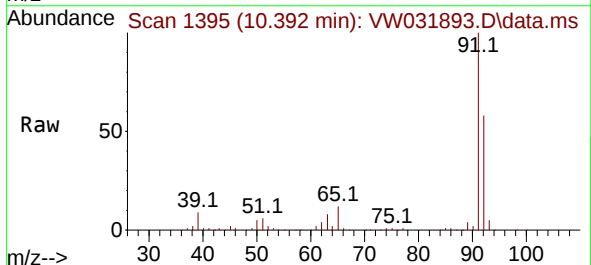
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

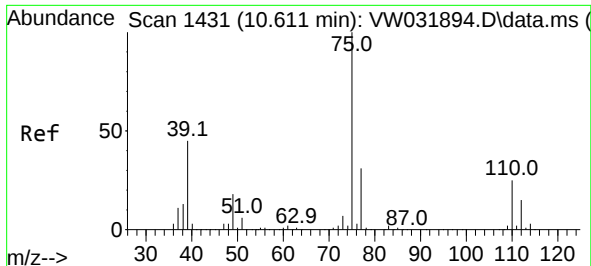
Tgt Ion: 43 Resp: 265574
Ion Ratio Lower Upper
43 100
58 41.3 32.8 49.2



#52
Toluene
Concen: 20.213 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 92 Resp: 168089
Ion Ratio Lower Upper
92 100
91 169.8 133.7 200.5





#53

t-1,3-Dichloropropene

Concen: 20.170 ug/l

RT: 10.605 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

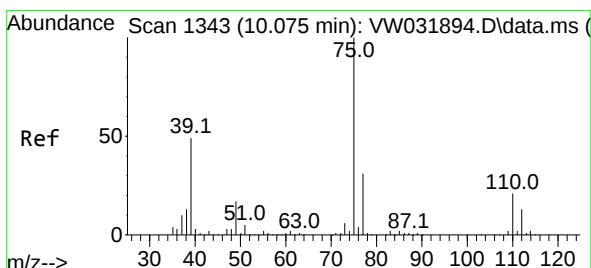
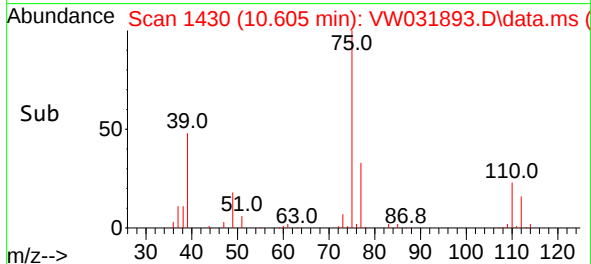
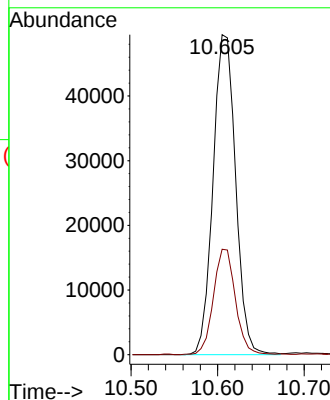
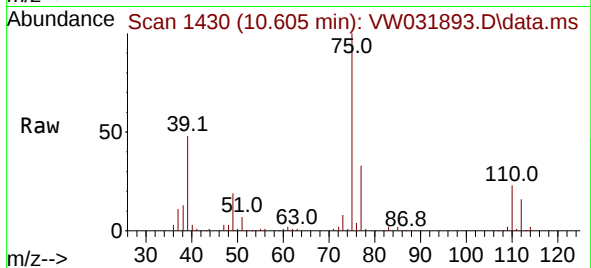
VSTDICC020

Tgt Ion: 75 Resp: 89603

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.838 ug/l

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

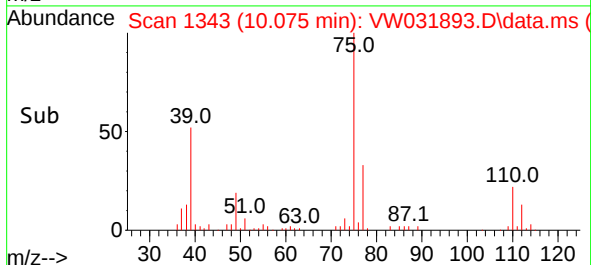
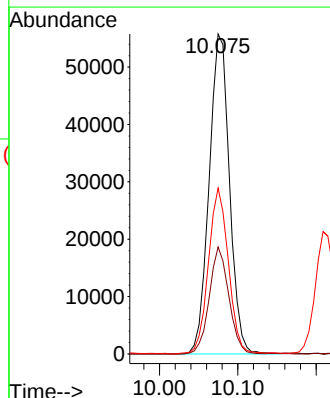
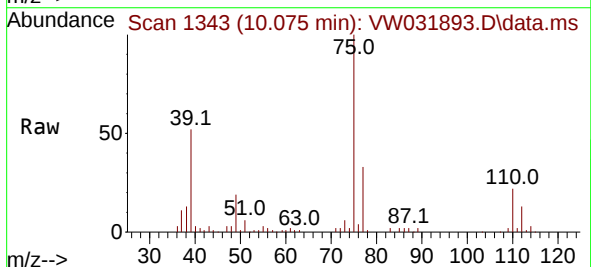
Tgt Ion: 75 Resp: 100637

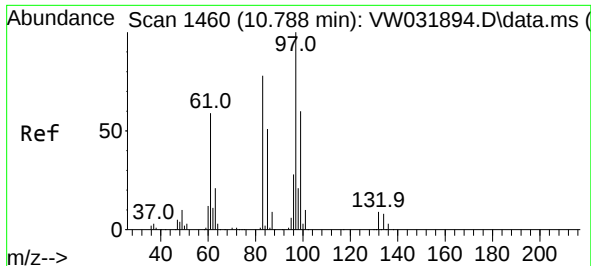
Ion Ratio Lower Upper

75 100

77 33.5 24.5 36.7

39 51.7 39.3 58.9

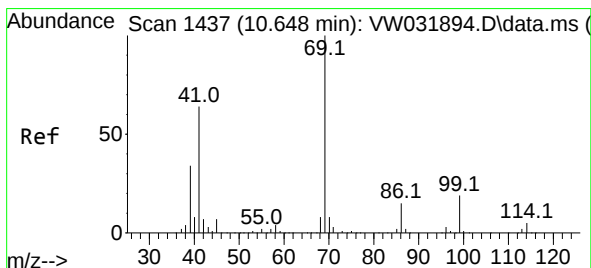
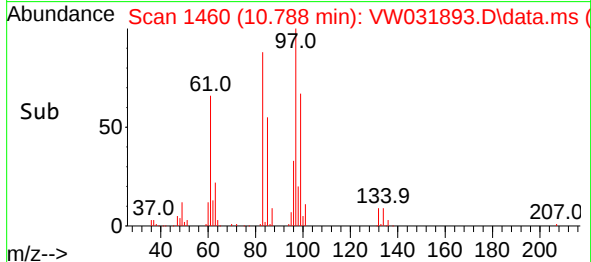
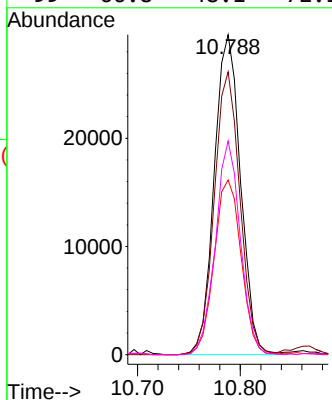
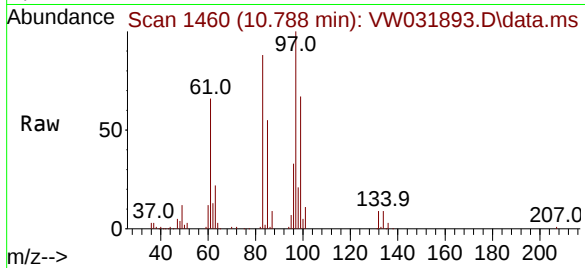




#55
1,1,2-Trichloroethane
Concen: 20.477 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

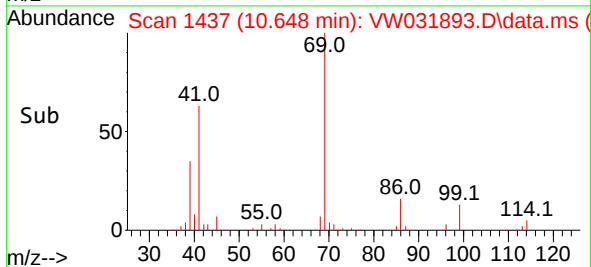
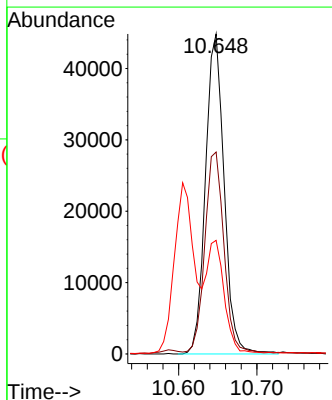
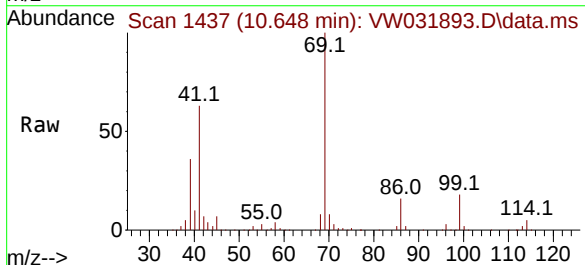
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

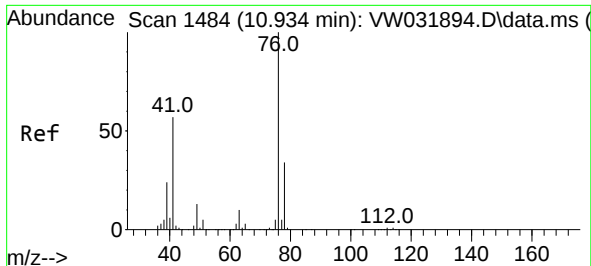
Tgt Ion: 97	Resp: 52531
Ion Ratio	Lower Upper
97 100	
83 88.4	62.4 93.6
85 54.6	41.0 61.6
99 66.8	48.1 72.1



#56
Ethyl methacrylate
Concen: 20.460 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 69	Resp: 74127		
Ion Ratio	Lower	Upper	
69 100			
41 64.6	52.0	78.0	
39 32.8	26.6	40.0	





#57

1,3-Dichloropropane

Concen: 20.894 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

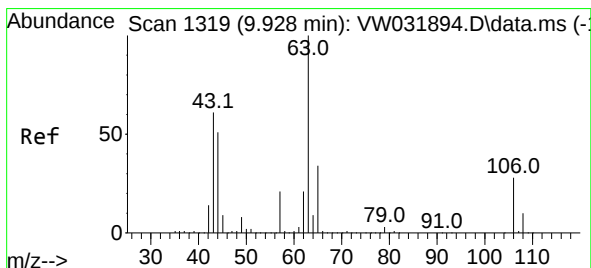
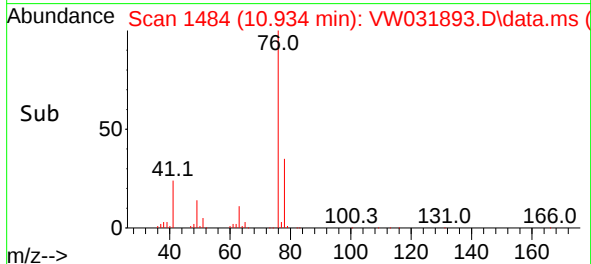
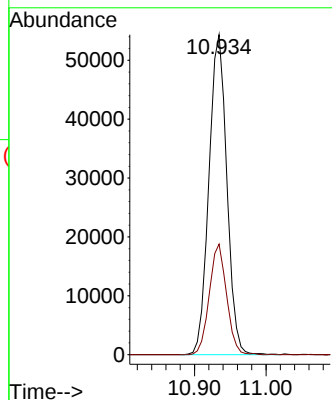
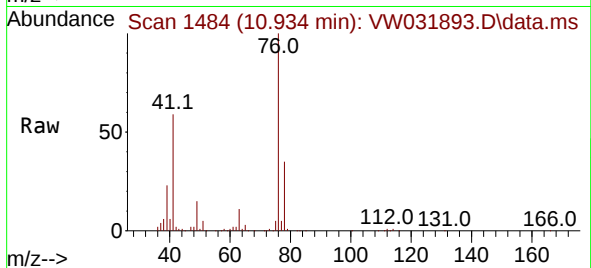
VSTDIC020

Tgt Ion: 76 Resp: 94430

Ion Ratio Lower Upper

76 100

78 33.4 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 102.829 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031893.D

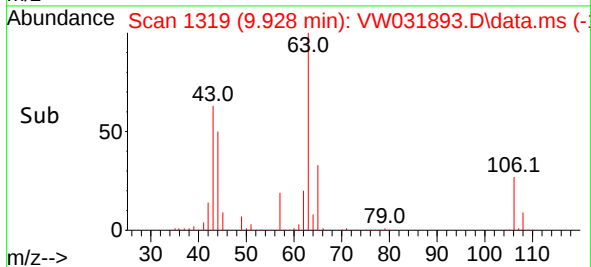
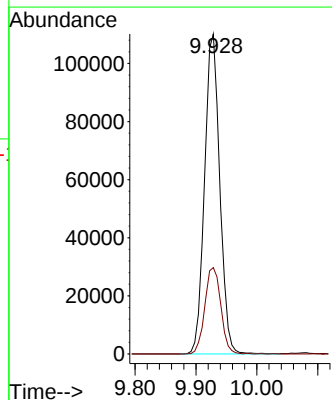
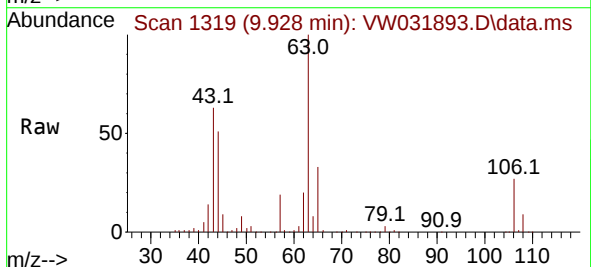
Acq: 22 Jul 2025 10:17

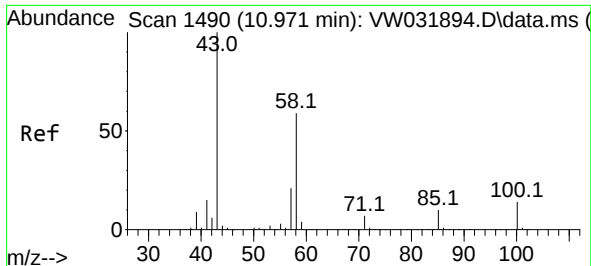
Tgt Ion: 63 Resp: 191363

Ion Ratio Lower Upper

63 100

106 28.4 22.7 34.1

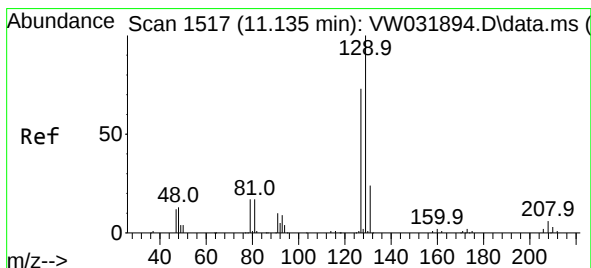
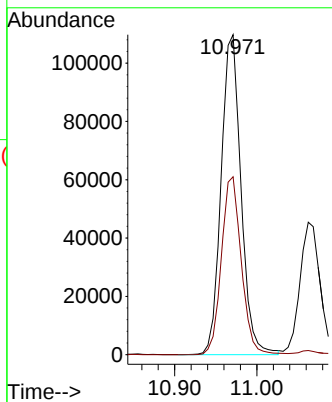
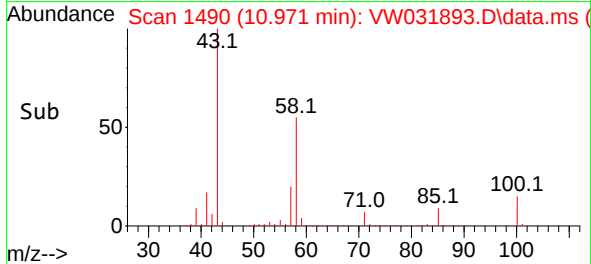
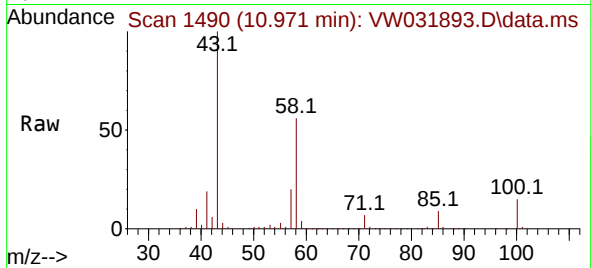




#59
2-Hexanone
Concen: 107.552 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

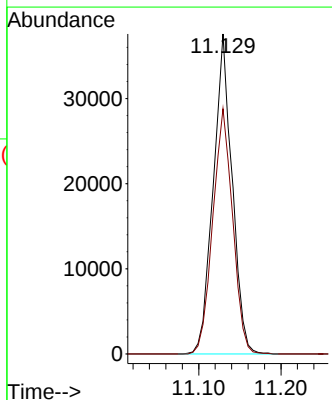
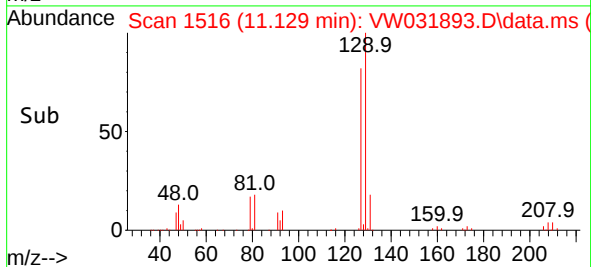
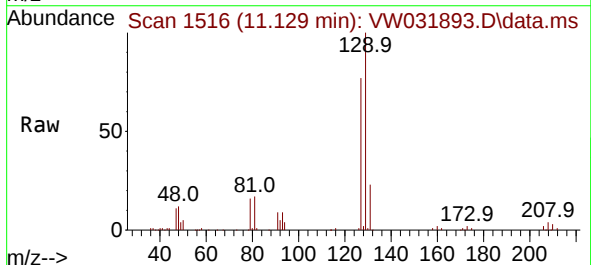
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

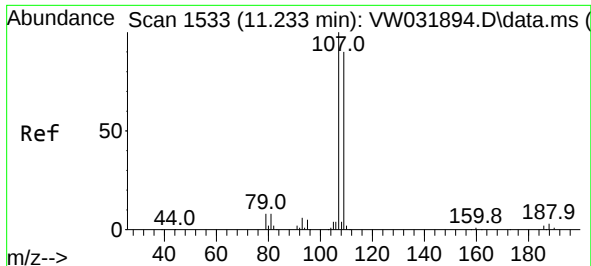
Tgt Ion: 43 Resp: 184643
Ion Ratio Lower Upper
43 100
58 55.7 28.5 85.6



#60
Dibromochloromethane
Concen: 20.071 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:129 Resp: 60033
Ion Ratio Lower Upper
129 100
127 80.5 39.6 118.8

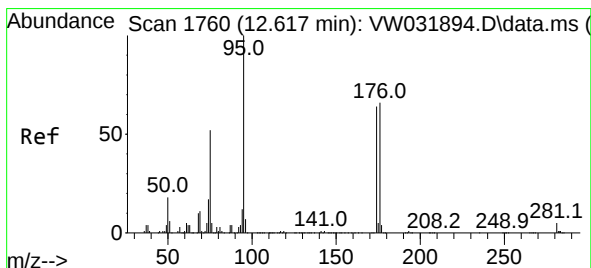
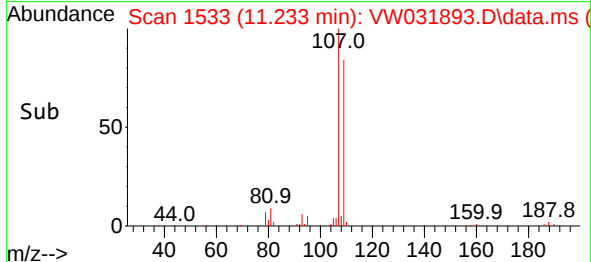
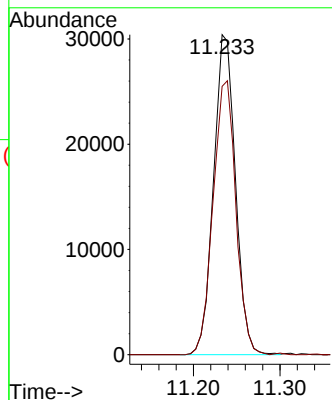
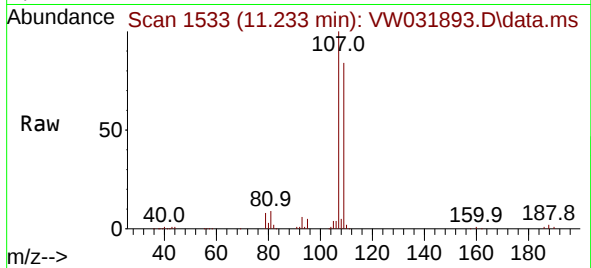




#61
1,2-Dibromoethane
Concen: 21.035 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

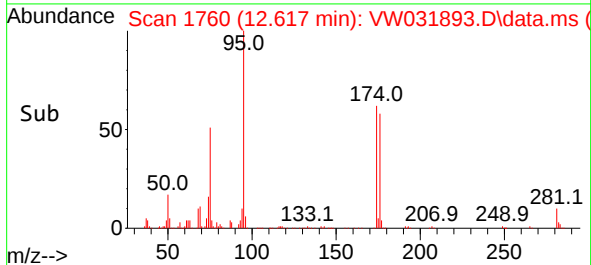
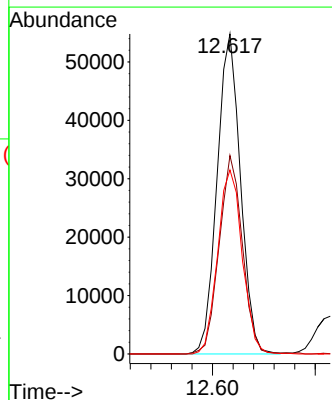
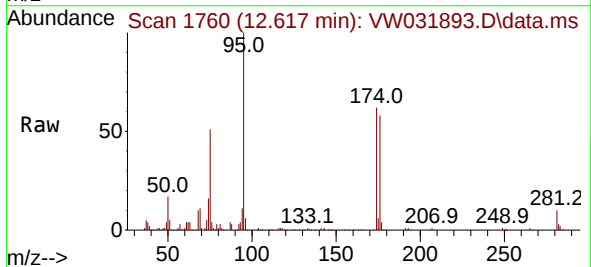
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

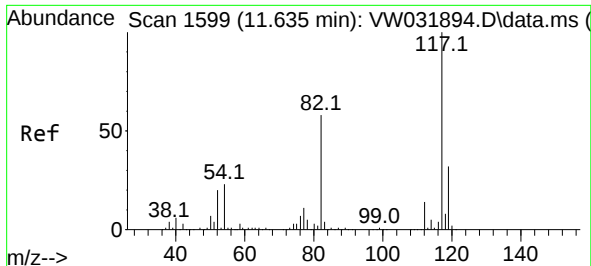
Tgt Ion:107 Resp: 53321
Ion Ratio Lower Upper
107 100
109 89.2 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 20.921 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

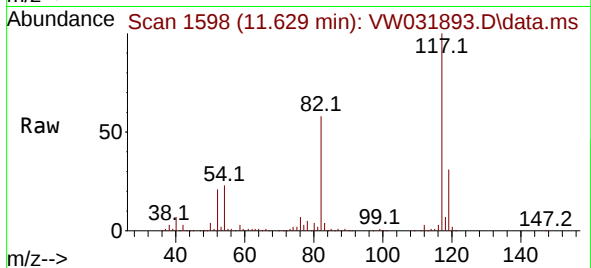
Tgt Ion: 95 Resp: 86515
Ion Ratio Lower Upper
95 100
174 61.5 0.0 129.8
176 60.4 0.0 130.4



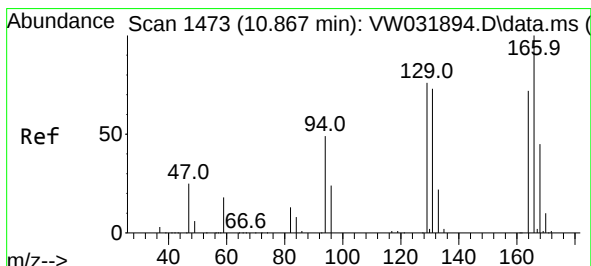
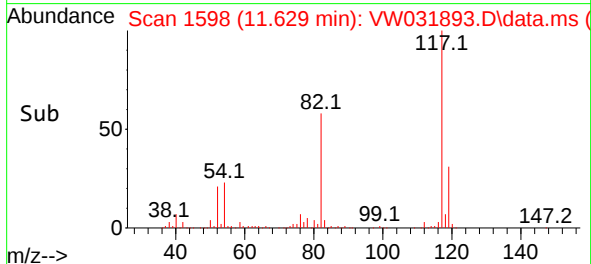
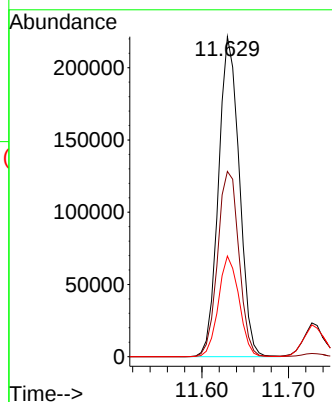


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

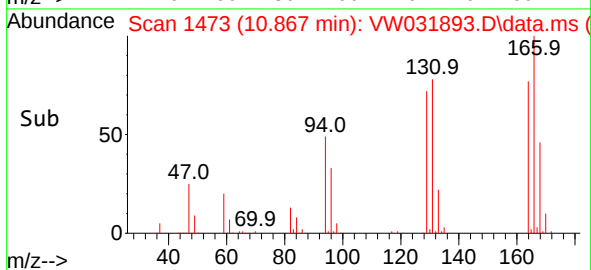
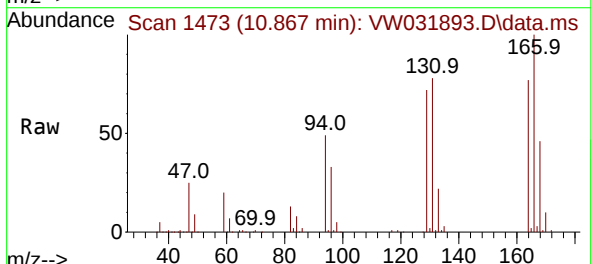
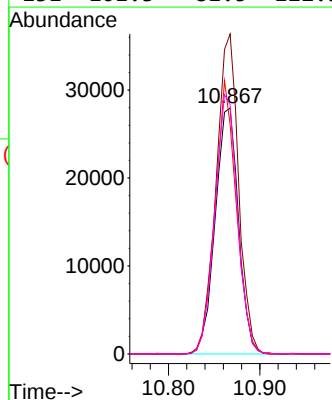


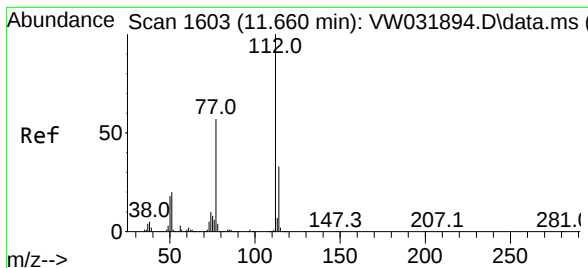
Tgt Ion:117 Resp: 369653
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 20.230 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:164 Resp: 49304
Ion Ratio Lower Upper
164 100
166 130.1 111.5 167.3
129 93.2 85.1 127.7
131 101.3 81.5 122.3





#65

Chlorobenzene

Concen: 20.552 ug/l

RT: 11.654 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

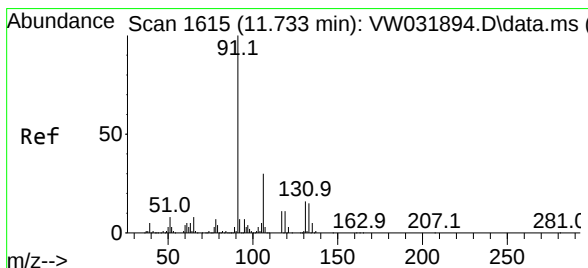
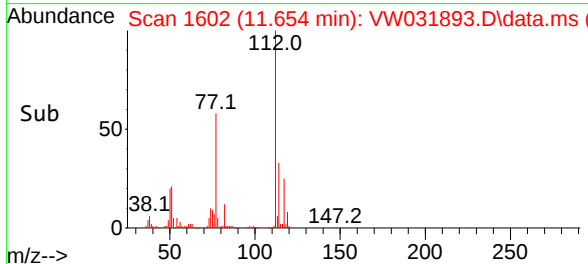
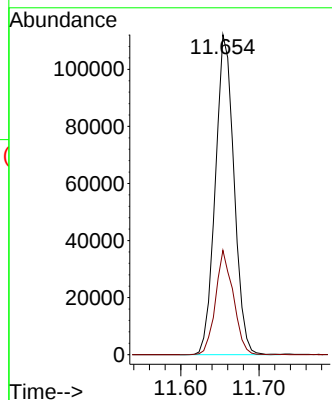
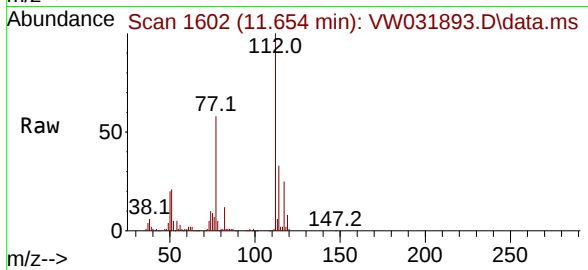
VSTDIC020

Tgt Ion:112 Resp: 185932

Ion Ratio Lower Upper

112 100

114 32.6 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 20.767 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

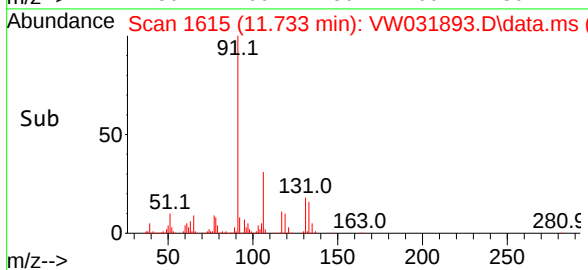
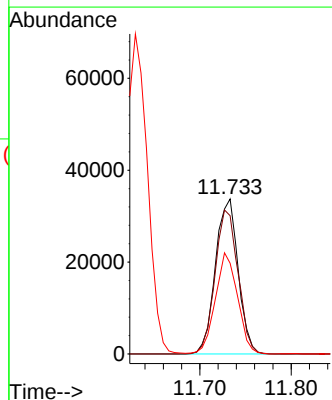
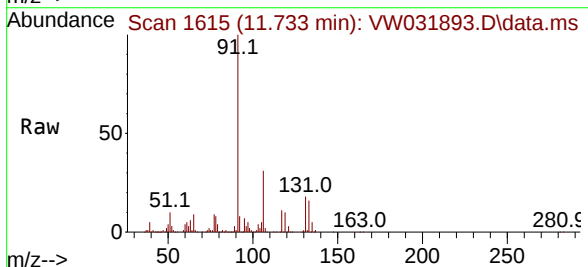
Tgt Ion:131 Resp: 58246

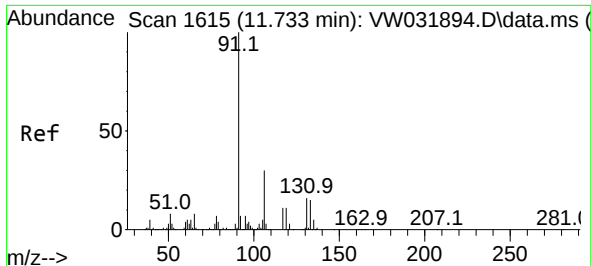
Ion Ratio Lower Upper

131 100

133 94.2 48.1 144.4

119 63.8 33.7 101.1





#67

Ethyl Benzene

Concen: 20.134 ug/l

RT: 11.727 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

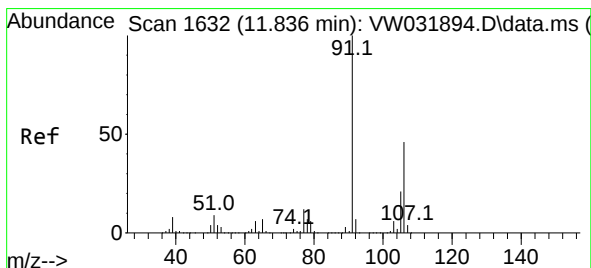
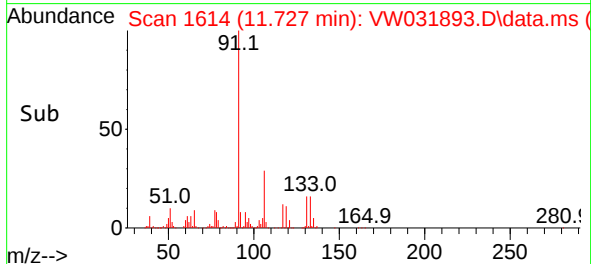
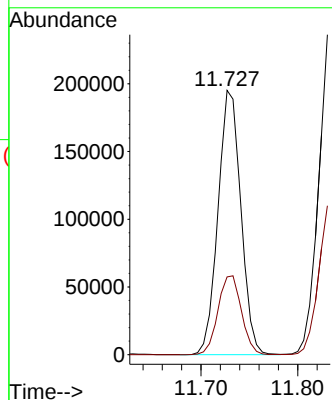
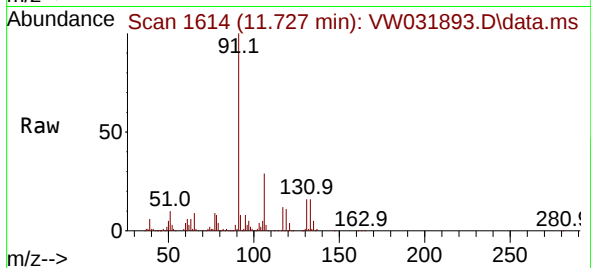
VSTDIC020

Tgt Ion: 91 Resp: 320050

Ion Ratio Lower Upper

91 100

106 29.5 23.8 35.6



#68

m/p-Xylenes

Concen: 40.945 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031893.D

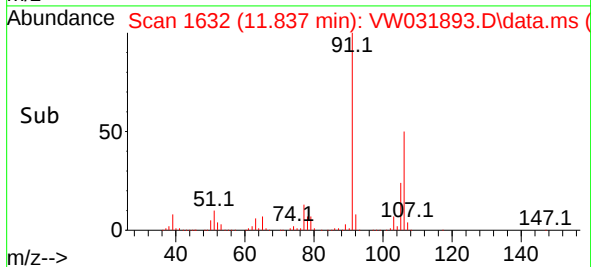
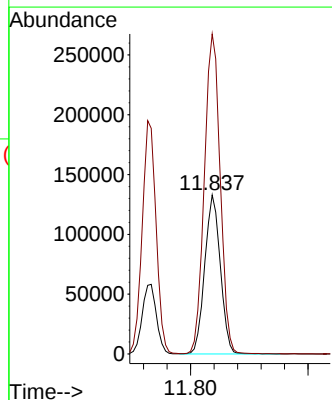
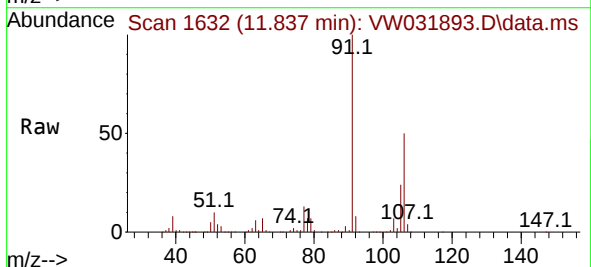
Acq: 22 Jul 2025 10:17

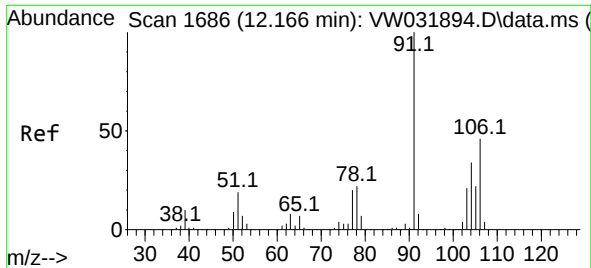
Tgt Ion:106 Resp: 245015

Ion Ratio Lower Upper

106 100

91 204.8 167.7 251.5

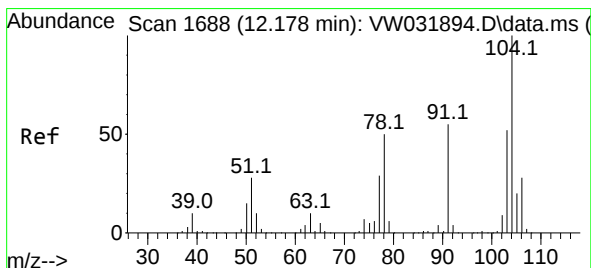
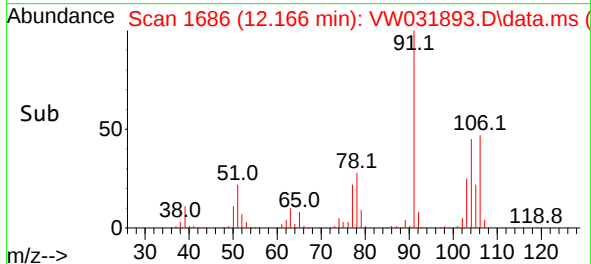
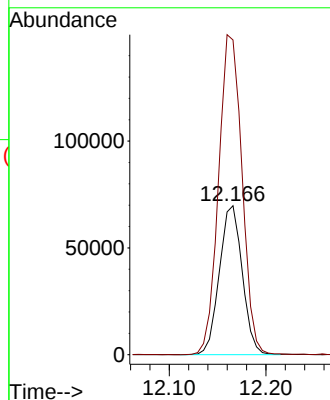
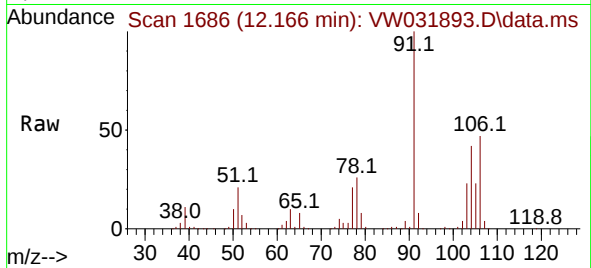




#69
o-Xylene
Concen: 20.216 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

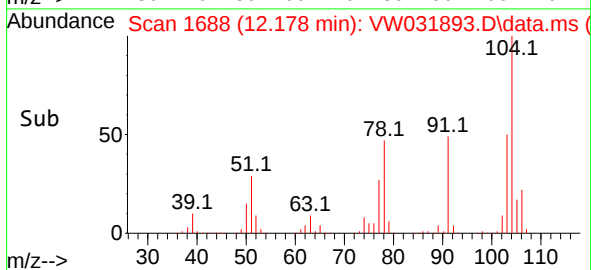
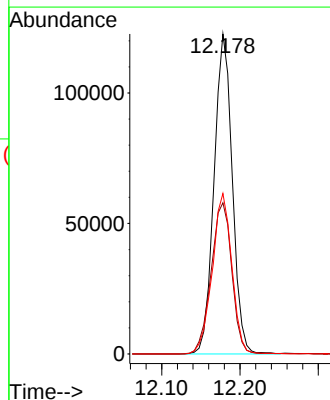
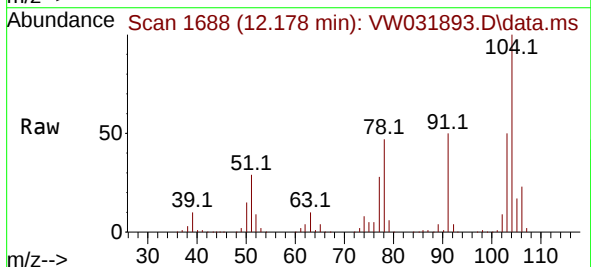
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

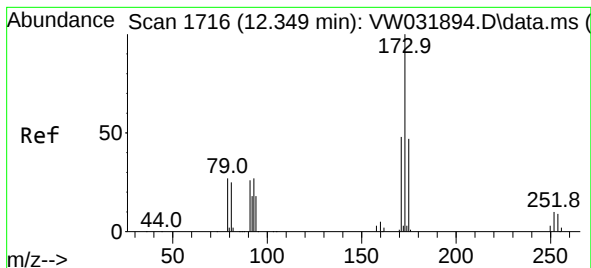
Tgt Ion:106 Resp: 114484
Ion Ratio Lower Upper
106 100
91 220.6 108.2 324.6



#70
Styrene
Concen: 20.610 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:104 Resp: 198720
Ion Ratio Lower Upper
104 100
78 53.7 42.2 63.4
103 53.9 42.8 64.2





#71

Bromoform

Concen: 20.055 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

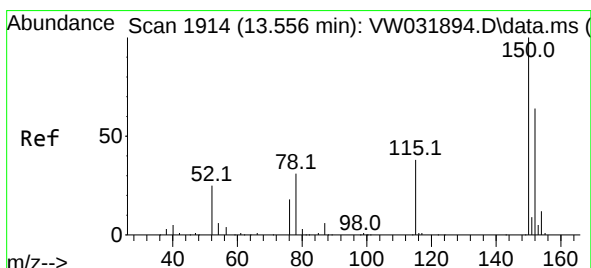
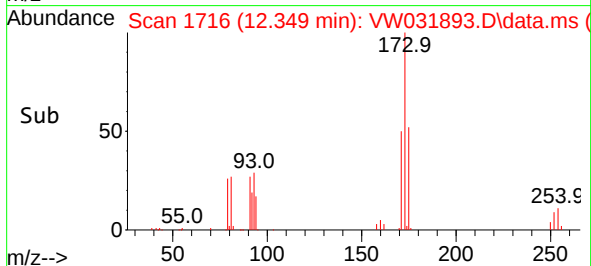
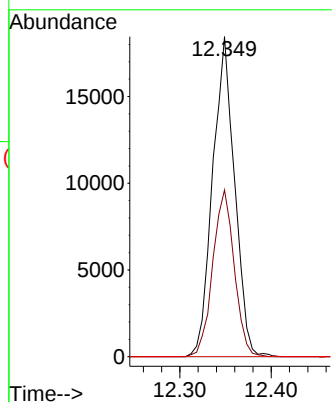
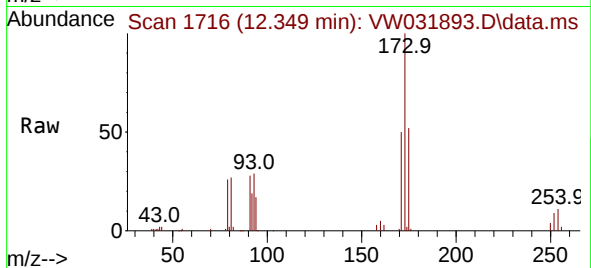
Tgt Ion:173 Resp: 30762

Ion Ratio Lower Upper

173 100

175 51.0 24.5 73.5

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: VW031893.D

Acq: 22 Jul 2025 10:17

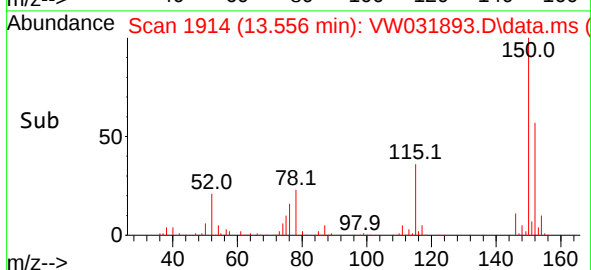
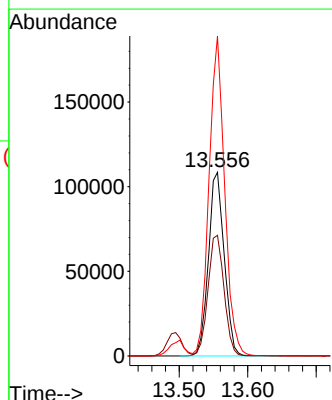
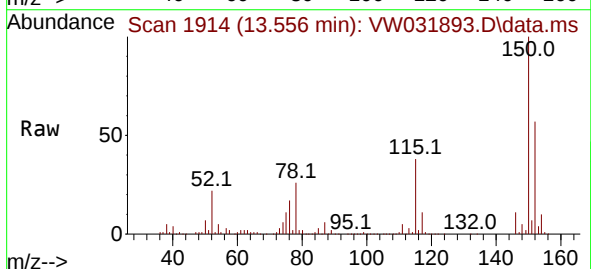
Tgt Ion:152 Resp: 174259

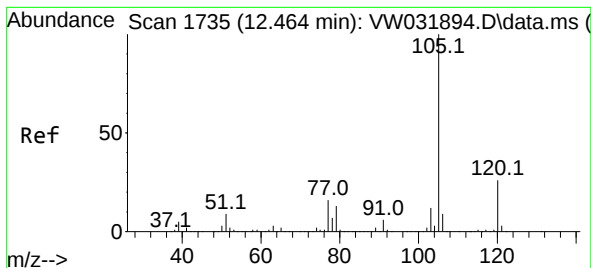
Ion Ratio Lower Upper

152 100

115 66.4 33.4 100.1

150 171.2 0.0 352.2





#73

Isopropylbenzene

Concen: 19.474 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

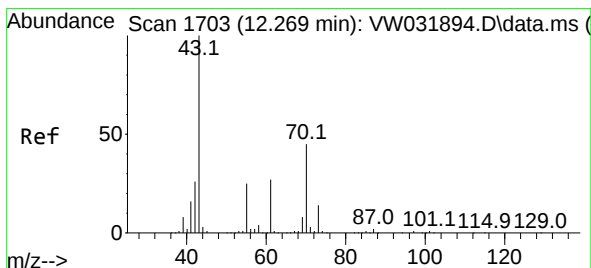
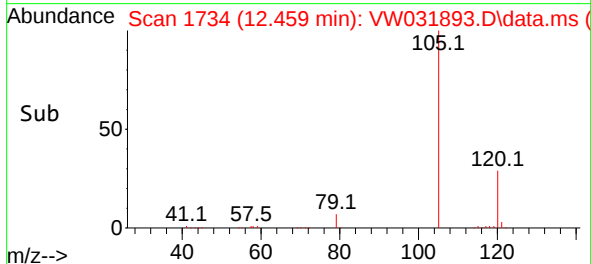
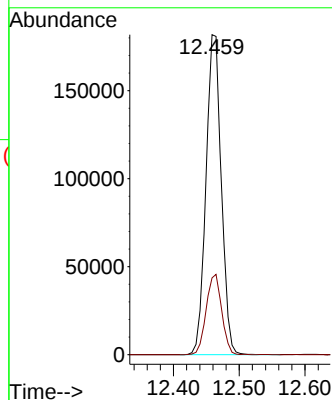
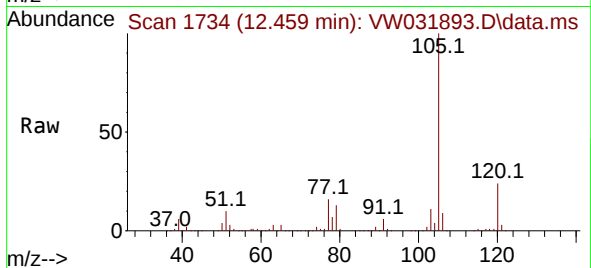
VSTDICC020

Tgt Ion:105 Resp: 294447

Ion Ratio Lower Upper

105 100

120 25.4 12.6 37.8



#74

N-ethyl acetate

Concen: 20.253 ug/l

RT: 12.270 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 82784

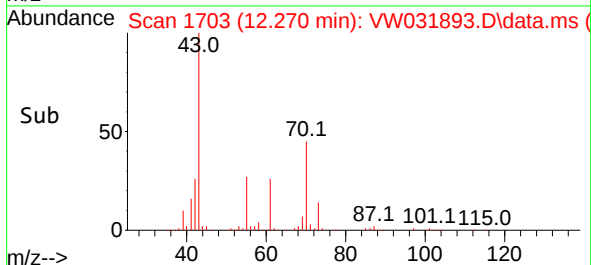
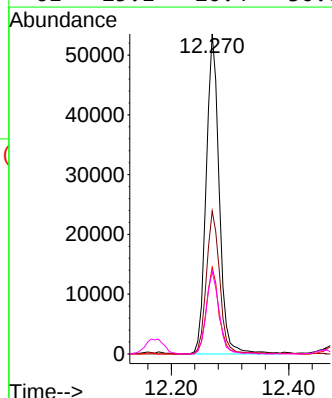
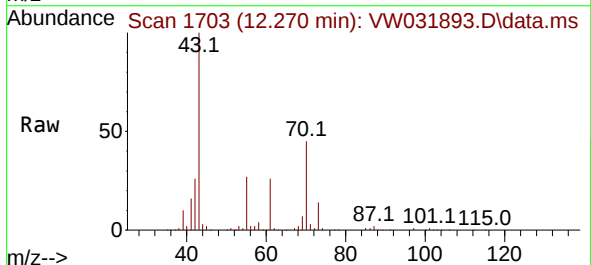
Ion Ratio Lower Upper

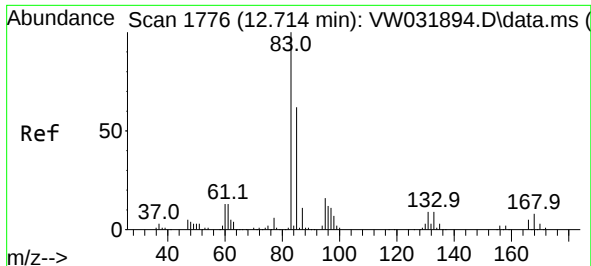
43 100

70 45.6 36.6 55.0

55 26.5 20.7 31.1

61 25.1 20.4 30.6

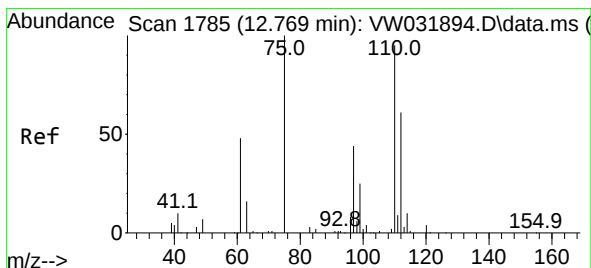
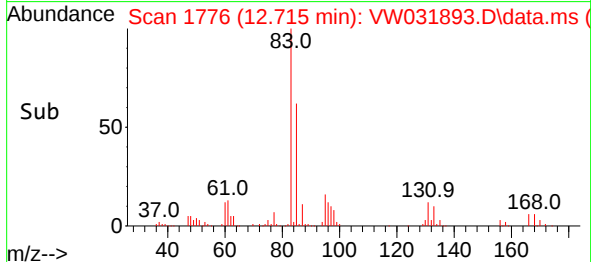
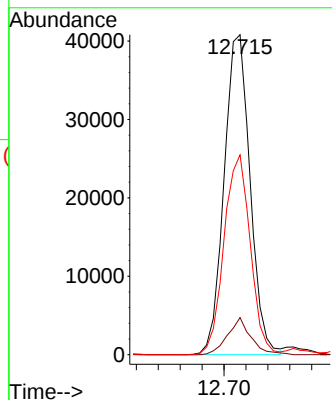
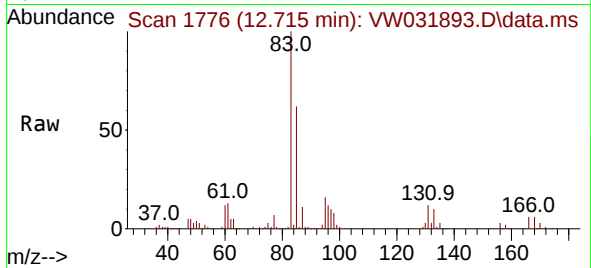




#75
1,1,2,2-Tetrachloroethane
Concen: 20.939 ug/l
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

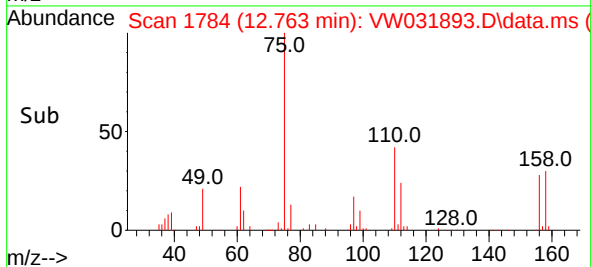
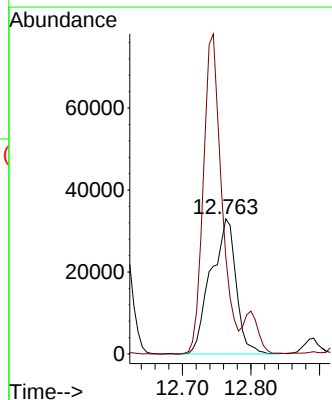
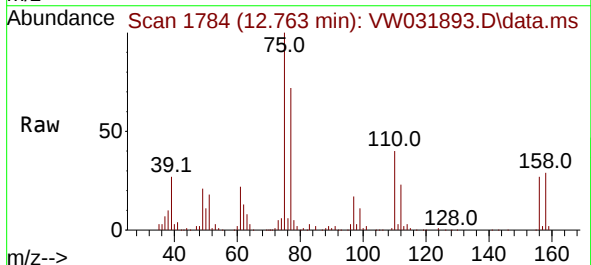
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

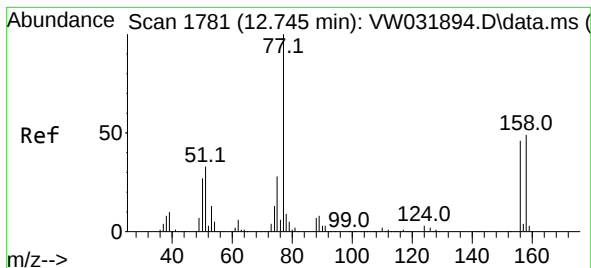
Tgt Ion: 83 Resp: 67200
Ion Ratio Lower Upper
83 100
131 10.4 5.0 15.0
85 63.2 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 35.248 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 84092
Ion Ratio Lower Upper
75 100
77 173.1 0.0 0.0#





#77

Bromobenzene

Concen: 20.916 ug/l

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

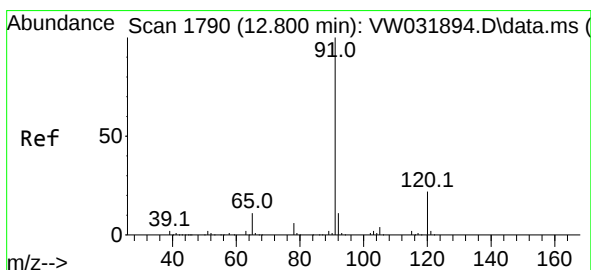
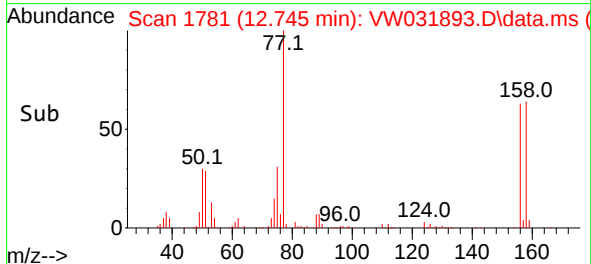
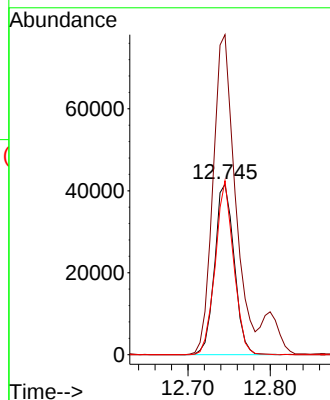
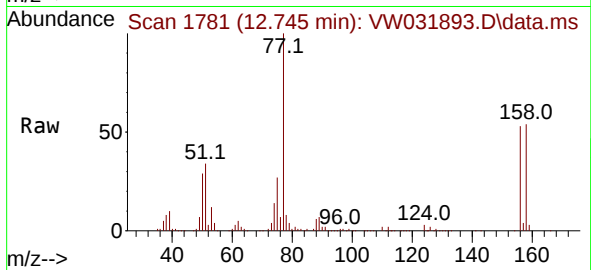
Tgt Ion:156 Resp: 68424

Ion Ratio Lower Upper

156 100

77 212.7 115.3 345.8

158 96.4 50.1 150.3



#78

n-propylbenzene

Concen: 19.769 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW031893.D

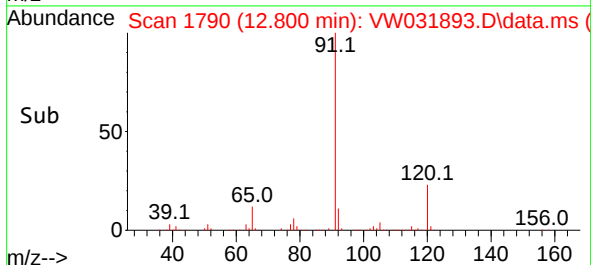
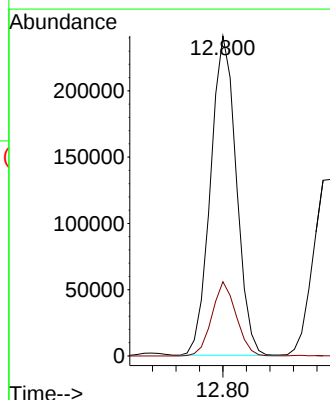
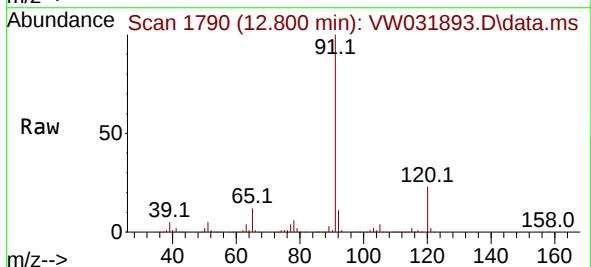
Acq: 22 Jul 2025 10:17

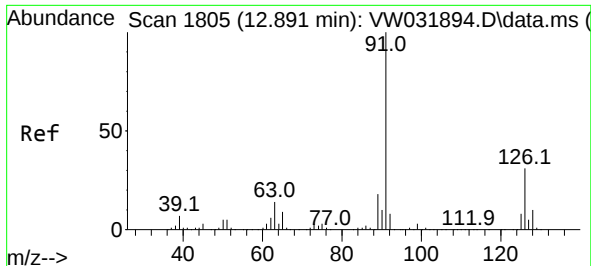
Tgt Ion: 91 Resp: 367105

Ion Ratio Lower Upper

91 100

120 21.8 10.9 32.6

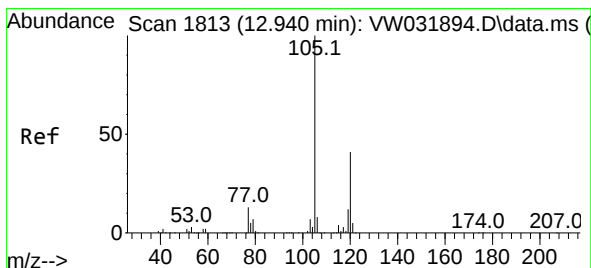
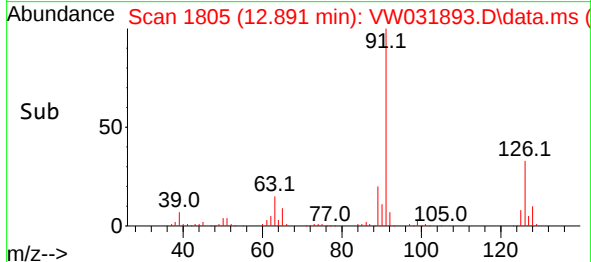
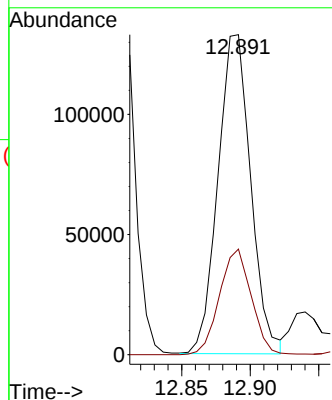
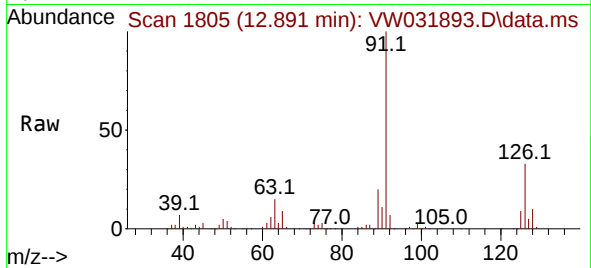




#79
2-Chlorotoluene
Concen: 19.964 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

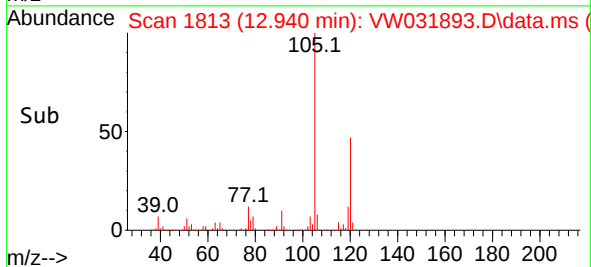
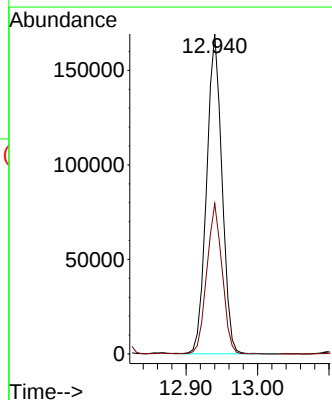
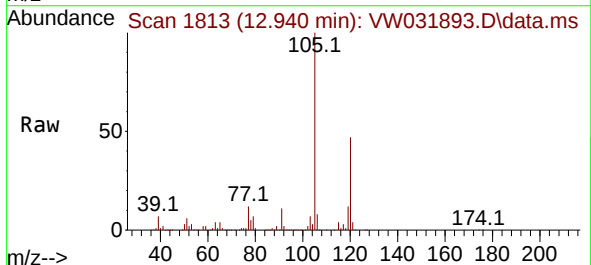
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 221355
Ion Ratio Lower Upper
91 100
126 32.1 15.6 46.8



#80
1,3,5-Trimethylbenzene
Concen: 19.898 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 105 Resp: 252317
Ion Ratio Lower Upper
105 100
120 47.1 23.5 70.5

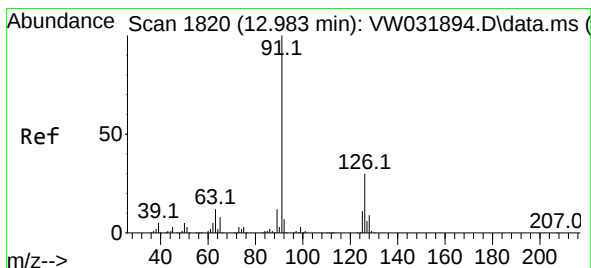
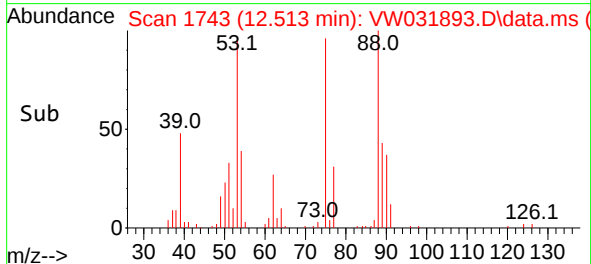
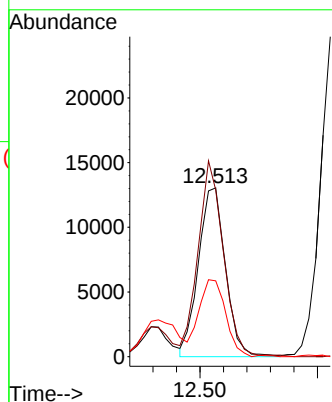
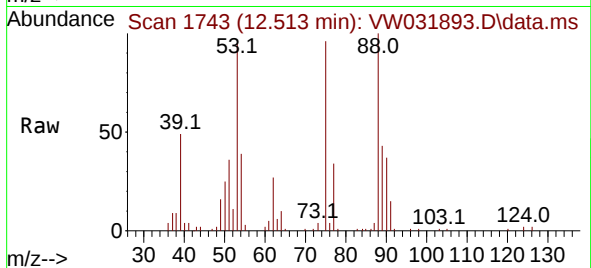




#81
trans-1,4-Dichloro-2-butene
Concen: 20.104 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

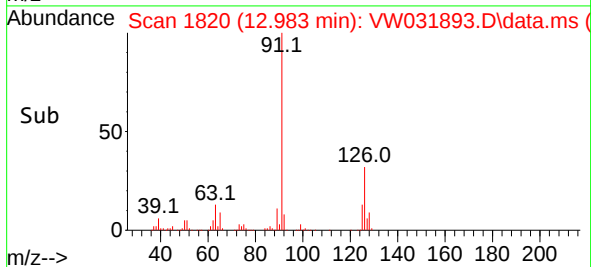
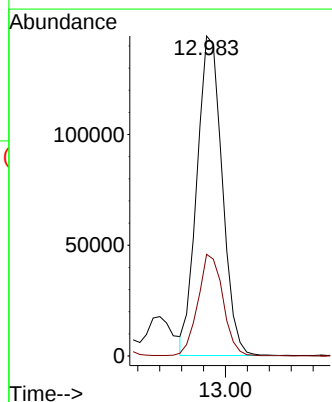
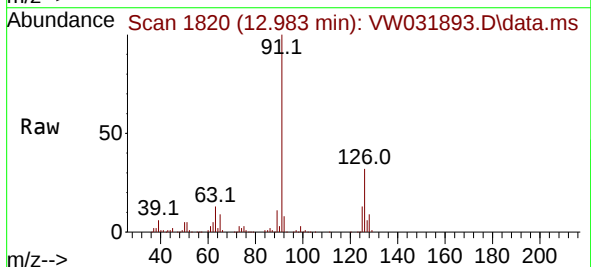
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

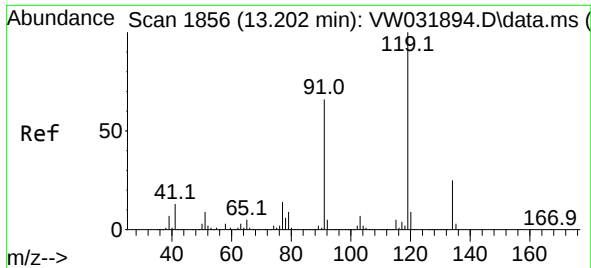
Tgt Ion:	75	Resp:	20950
Ion	Ratio	Lower	Upper
75	100		
53	108.4	83.7	125.5
89	45.1	39.0	58.6



#82
4-Chlorotoluene
Concen: 19.843 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:	91	Resp:	230806
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3

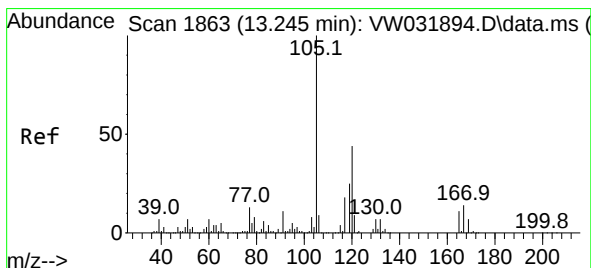
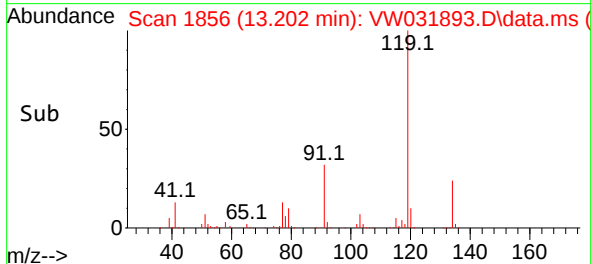
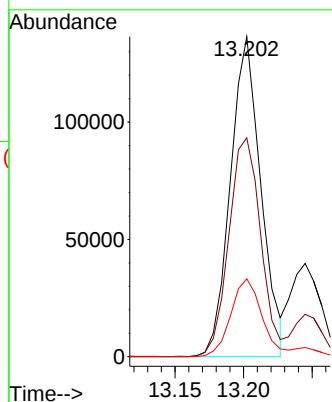
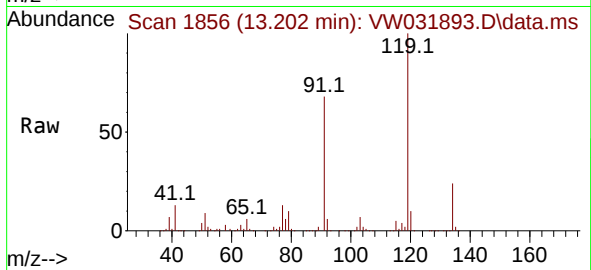




#83
tert-Butylbenzene
Concen: 19.537 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

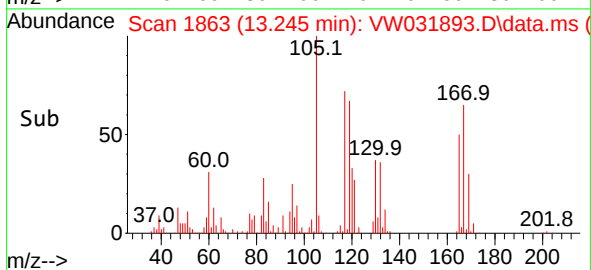
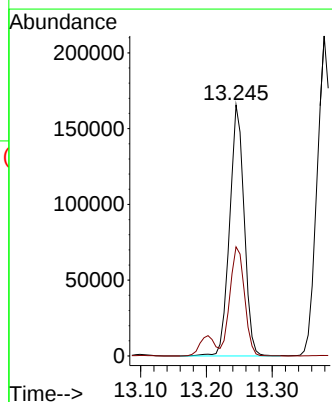
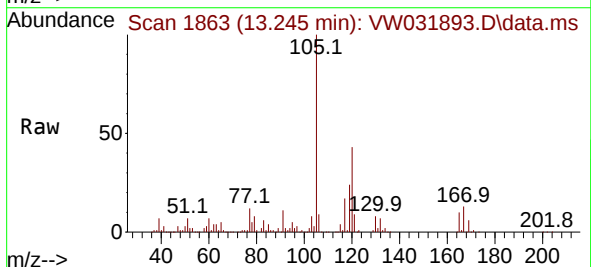
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

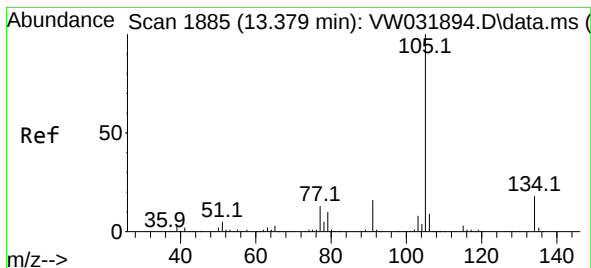
Tgt Ion:119 Resp: 211034
Ion Ratio Lower Upper
119 100
91 71.1 35.5 106.5
134 24.9 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 19.830 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:105 Resp: 254520
Ion Ratio Lower Upper
105 100
120 43.7 21.3 63.9

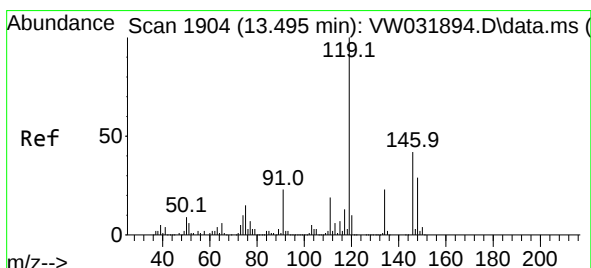
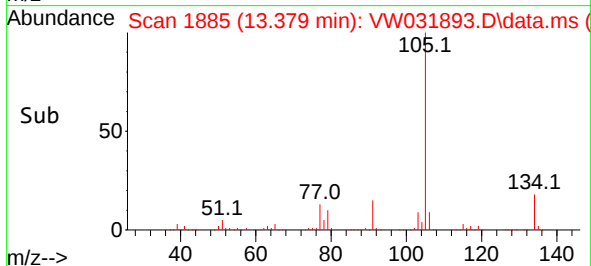
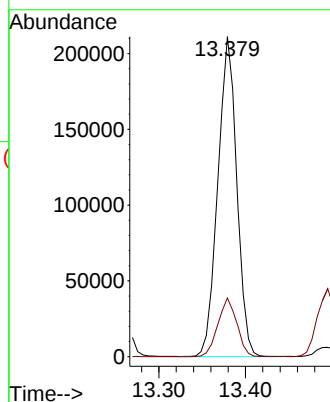
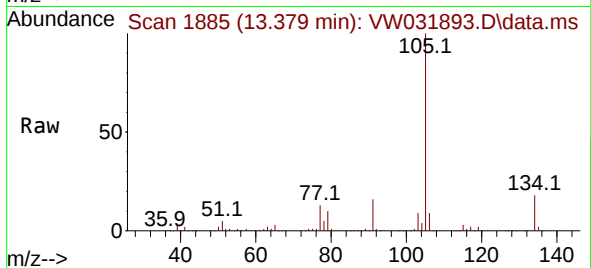




#85
 sec-Butylbenzene
 Concen: 19.782 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

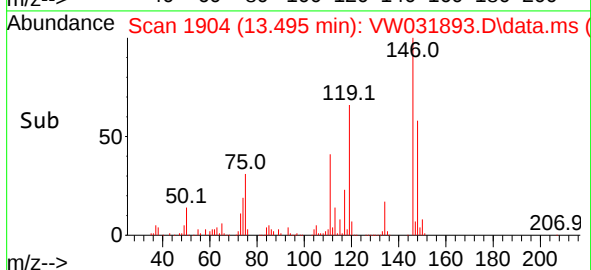
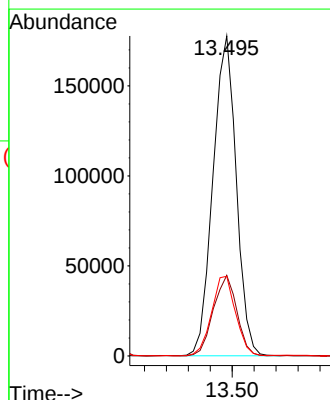
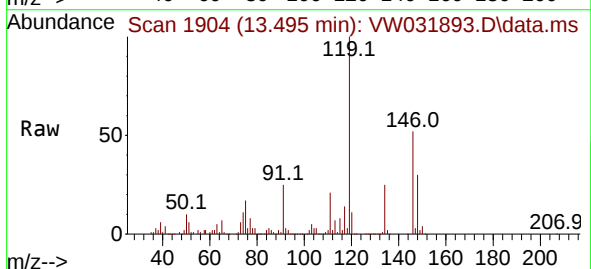
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

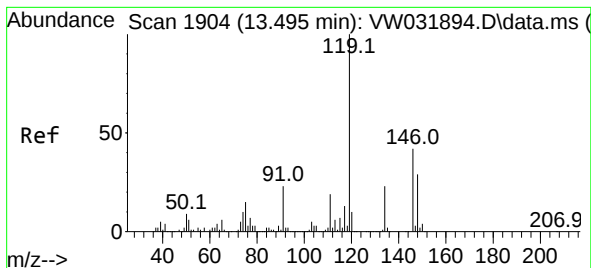
Tgt Ion:105 Resp: 320882
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 19.541 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW031893.D
 Acq: 22 Jul 2025 10:17

Tgt Ion:119 Resp: 262000
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 25.7 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 20.650 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

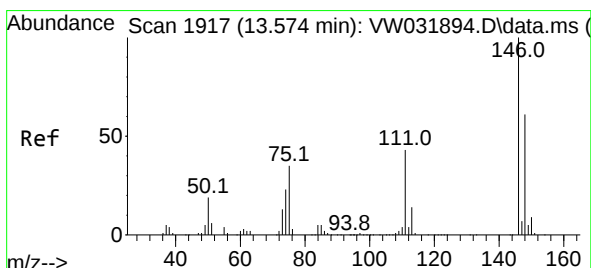
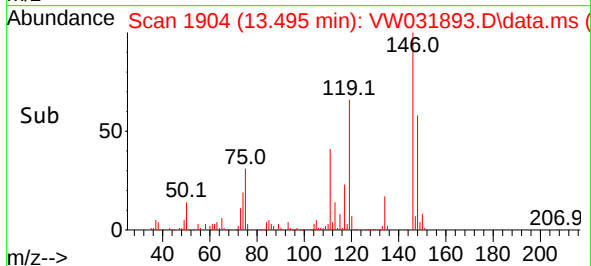
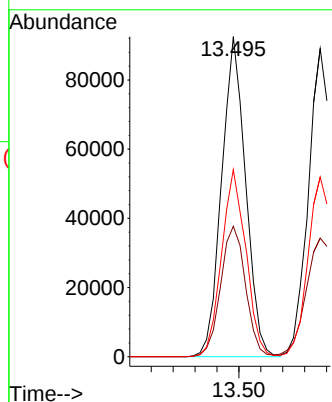
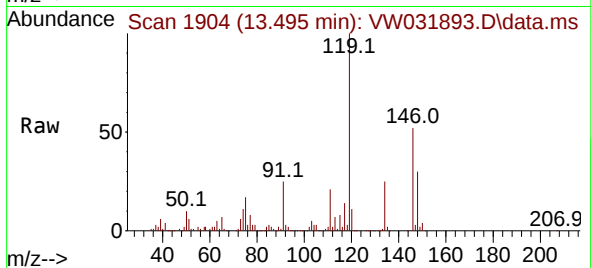
Tgt Ion:146 Resp: 140624

Ion Ratio Lower Upper

146 100

111 42.3 21.9 65.7

148 59.1 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 20.743 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

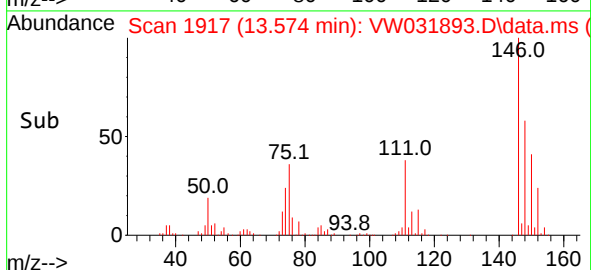
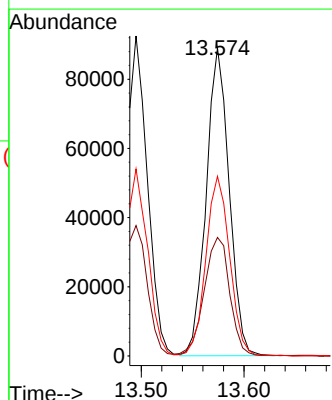
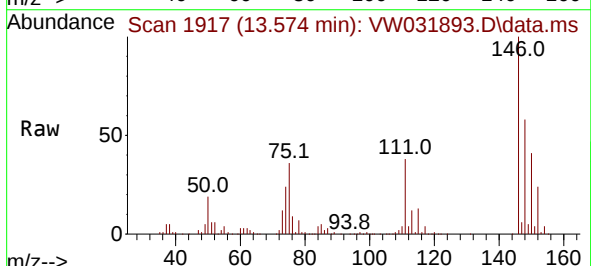
Tgt Ion:146 Resp: 138374

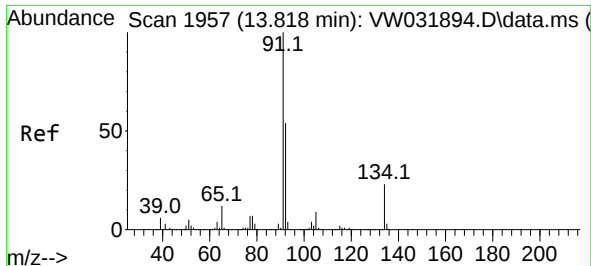
Ion Ratio Lower Upper

146 100

111 43.2 22.1 66.3

148 60.7 31.8 95.3

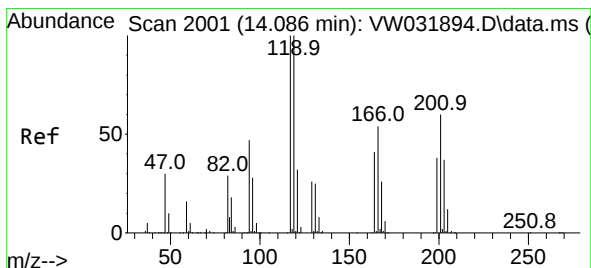
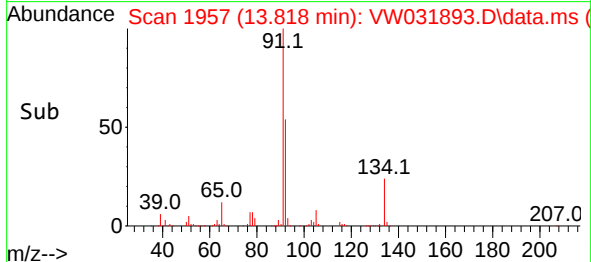
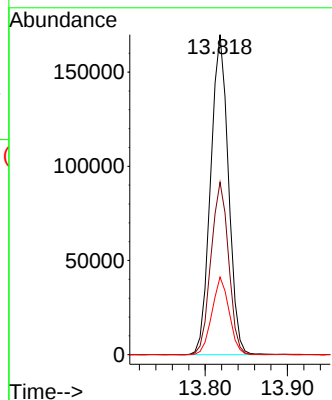
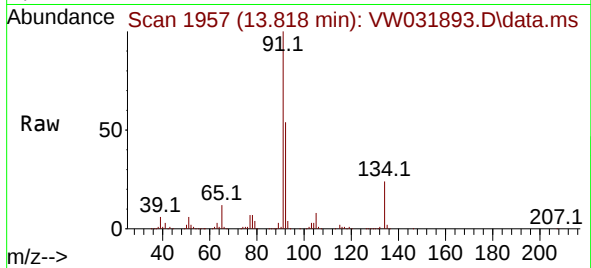




#89
n-Butylbenzene
Concen: 19.411 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

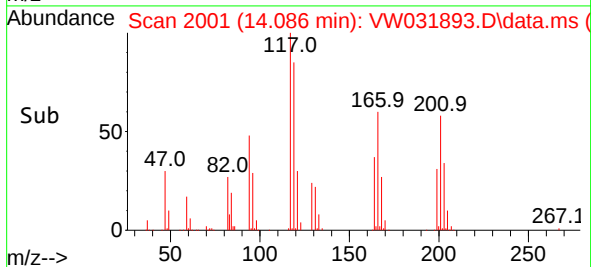
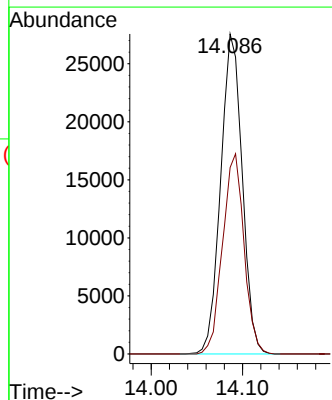
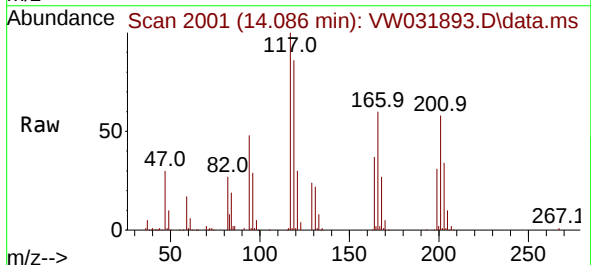
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

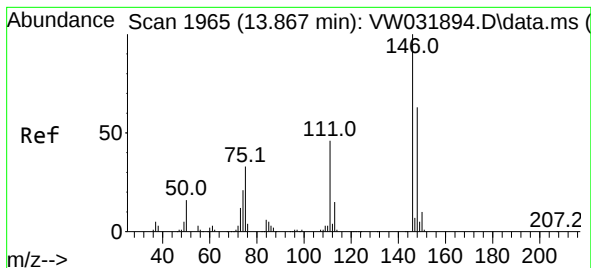
Tgt Ion: 91 Resp: 255308
Ion Ratio Lower Upper
91 100
92 53.4 27.2 81.5
134 23.4 11.6 34.7



#90
Hexachloroethane
Concen: 19.485 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 117 Resp: 45174
Ion Ratio Lower Upper
117 100
201 62.3 28.4 85.2





#91

1,2-Dichlorobenzene

Concen: 20.390 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

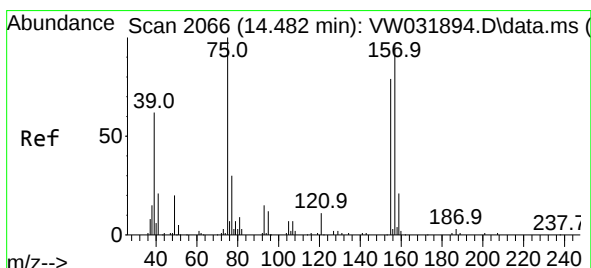
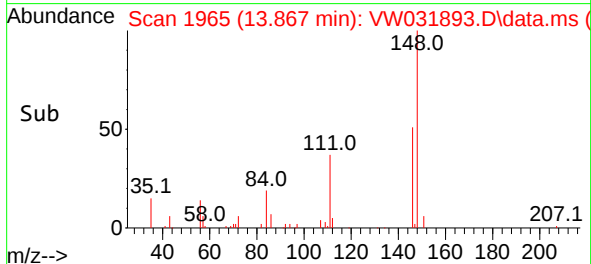
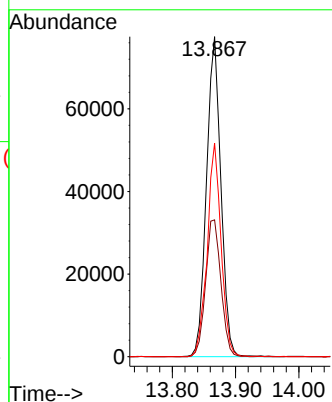
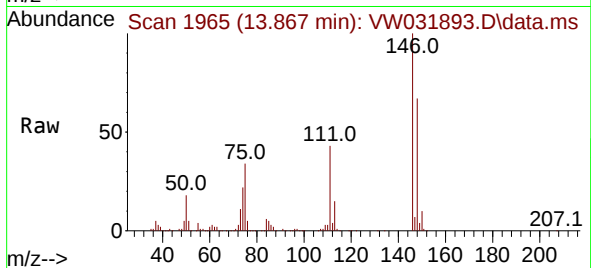
Tgt Ion:146 Resp: 123056

Ion Ratio Lower Upper

146 100

111 45.4 23.6 71.0

148 64.2 32.4 97.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.355 ug/l

RT: 14.483 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

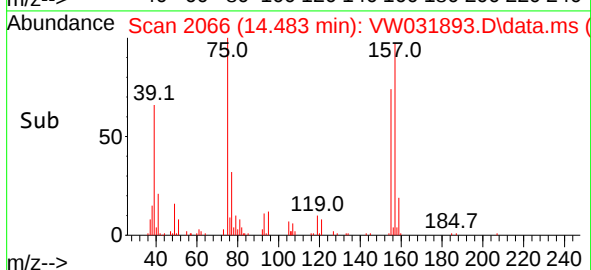
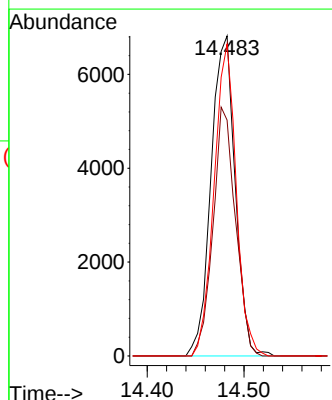
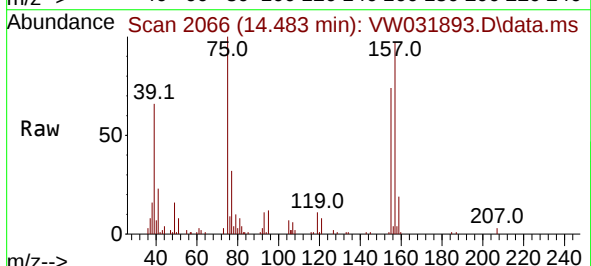
Tgt Ion: 75 Resp: 11802

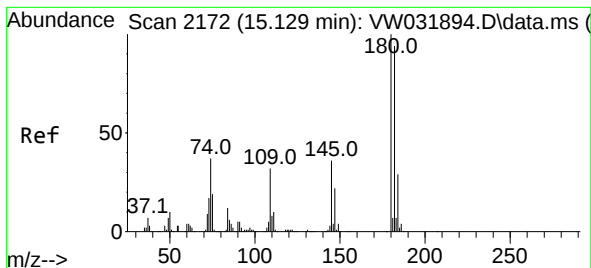
Ion Ratio Lower Upper

75 100

155 72.6 35.9 107.7

157 89.3 47.4 142.2





#93

1,2,4-Trichlorobenzene

Concen: 19.842 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

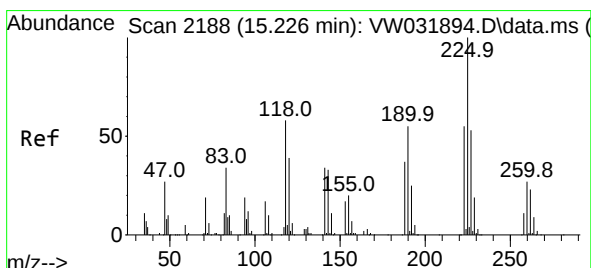
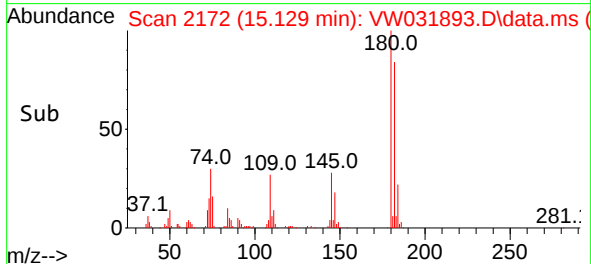
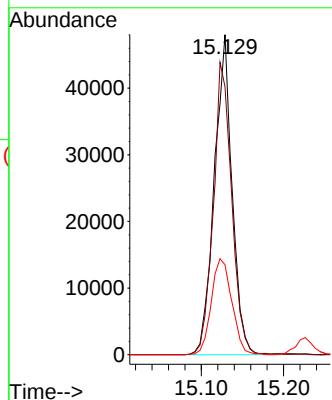
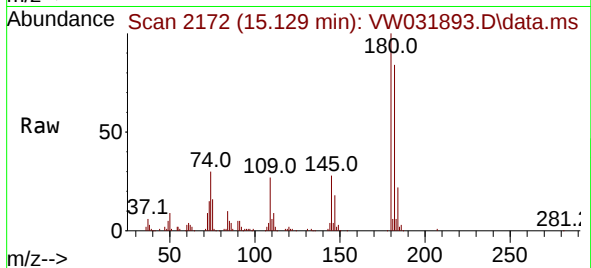
Tgt Ion:180 Resp: 72217

Ion Ratio Lower Upper

180 100

182 94.3 51.0 153.1

145 34.6 18.4 55.4



#94

Hexachlorobutadiene

Concen: 19.644 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031893.D

Acq: 22 Jul 2025 10:17

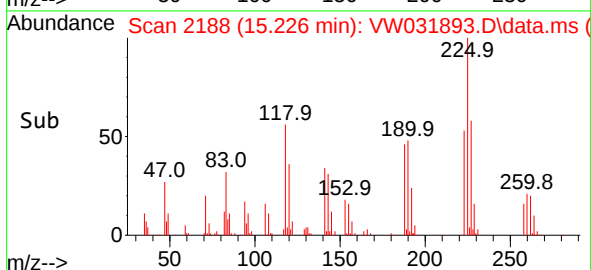
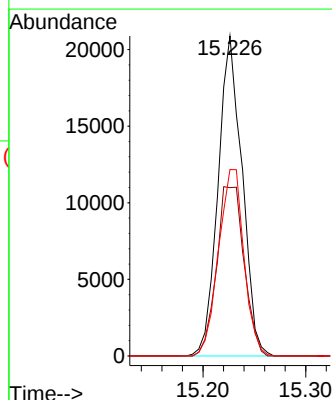
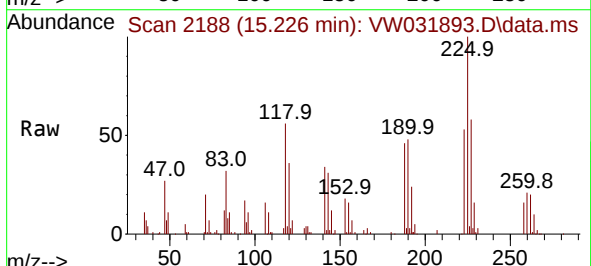
Tgt Ion:225 Resp: 33880

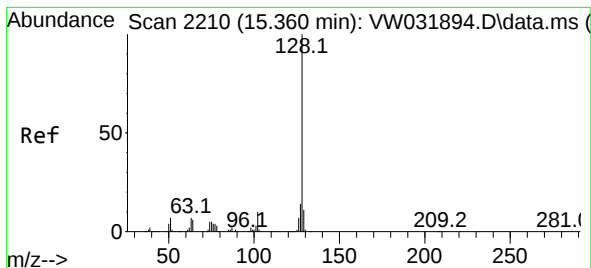
Ion Ratio Lower Upper

225 100

223 60.6 30.9 92.7

227 61.7 30.0 90.1

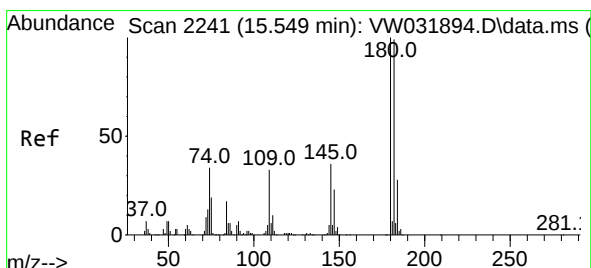
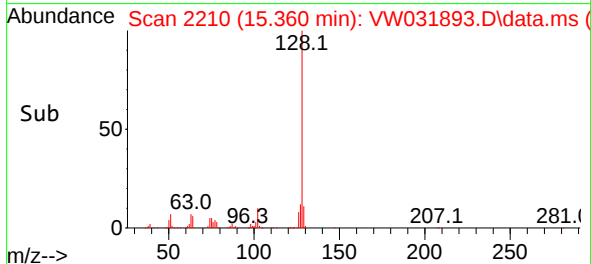
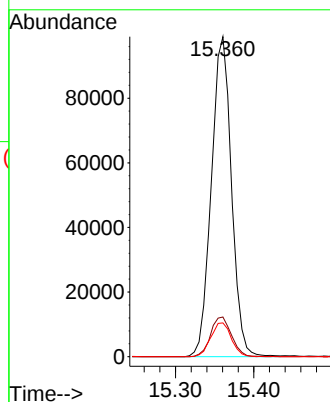
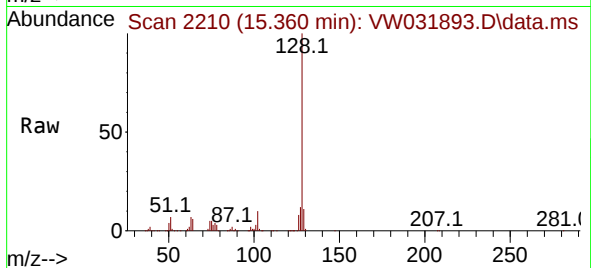




#95
Naphthalene
Concen: 19.736 ug/l
RT: 15.360 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 176597
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.8 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 19.173 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:180 Resp: 63227
Ion Ratio Lower Upper
180 100
182 99.1 50.4 151.2
145 38.6 18.6 55.8

