

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063420.D
 Acq On : 23 Jun 2025 10:03
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jun 24 04:38:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	53283	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	16064	0.821	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16350	0.832	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	9532	0.466	ug/l	97
3) Chloromethane	1.518	50	13388	0.497	ug/l	97
4) Vinyl Chloride	1.599	62	10834	0.469	ug/l	96
5) Bromomethane	1.850	94	6105	0.552	ug/l	88
6) Chloroethane	1.927	64	6800	0.497	ug/l	96
7) Trichlorofluoromethane	2.129	101	12341	0.469	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	6287	0.448	ug/l	96
9) 1,1-Dichloroethene	2.570	96	6906	0.494	ug/l	97
10) Iodomethane	2.708	142	4616	0.409	ug/l	97
11) Allyl Chloride	2.911	41	11648	0.467	ug/l	90
12) Acrylonitrile	3.309	53	3432	0.849	ug/l	89
13) Acetone	2.621	43	10917	1.864	ug/l	96
14) Carbon Disulfide	2.779	76	24367	0.499	ug/l	97
15) Methylene Chloride	3.033	84	8402	0.474	ug/l	95
16) trans-1,2-Dichloroethene	3.338	96	7267	0.462	ug/l	99
17) 1,1-Dichloroethane	3.849	63	15379	0.465	ug/l	97
18) 2-Butanone	4.718	43	13536	2.399	ug/l	95
19) Cyclohexane	5.364	56	12162	0.486	ug/l	98
20) Methylcyclohexane	6.750	83	9727	0.421	ug/l	92
21) 2,2-Dichloropropane	4.647	77	12313	0.524	ug/l	95
22) cis-1,2-Dichloroethene	4.650	96	8202	0.477	ug/l	97
23) Diethyl Ether	2.370	59	5521	0.437	ug/l	93
24) tert-Butyl Alcohol	3.190	59	3207	2.412	ug/l #	89
25) Methyl tert-Butyl Ether	3.364	73	17035	0.448	ug/l	92
26) Bromochloromethane	4.962	128	3015	0.451	ug/l	97
27) Chloroform	5.071	83	14531	0.469	ug/l	91
28) 1,1,1-Trichloroethane	5.300	97	11308	0.450	ug/l	97
29) 1,1-Dichloropropene	5.509	75	10823	0.472	ug/l	95
30) Carbon Tetrachloride	5.509	117	9072	0.452	ug/l	100
31) Isopropyl Ether	3.994	45	24365	0.469	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	19475	0.445	ug/l	99
33) Tert-Amyl methyl ether	5.943	73	14033	0.449	ug/l	99
34) Propionitrile	4.782	54	3607	2.210	ug/l #	95
35) Benzene	5.759	78	32166	0.463	ug/l	99
36) 1,2-Dichloroethane	5.785	62	9684	0.477	ug/l	99
37) Trichloroethene	6.534	130	7729	0.471	ug/l	90
38) 1,2-Dichloropropane	6.788	63	8540	0.445	ug/l	96
39) Methacrylonitrile	4.984	41	3304	0.487	ug/l #	81
40) Methyl acrylate	4.849	55	3224	0.338	ug/l #	91
41) Tetrahydrofuran	5.062	42	3767	1.031	ug/l #	88
42) 1-Chlorobutane	5.444	56	15523	0.477	ug/l	95
43) Dibromomethane	6.914	93	4006	0.447	ug/l	94
44) Bromodichloromethane	7.100	83	10135	0.464	ug/l	99

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 ClientSampleId :
 VSTDICC0.5

Quant Time: Jun 24 04:38:35 2025
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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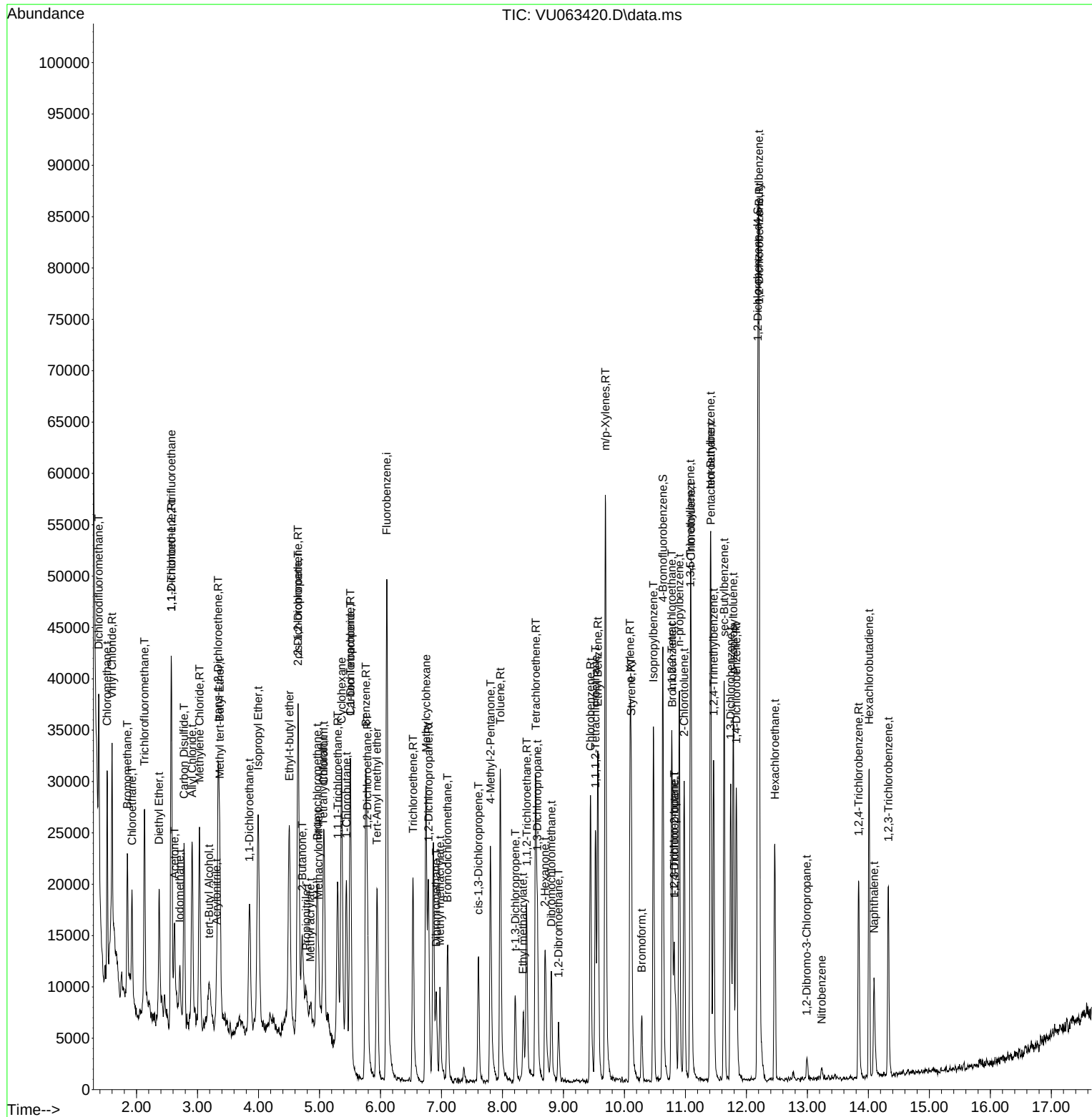
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.804	43	18627	1.937	ug/l	91
46) t-1,4-Dichloro-2-butene	10.817	75	8101	2.639	ug/l #	41
47) Methyl methacrylate	6.978	69	4513	1.418	ug/l #	92
48) Ethyl methacrylate	8.338	69	4290	0.619	ug/l	96
49) Toluene	7.965	92	14705	0.386	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	5938	0.377	ug/l	93
51) cis-1,3-Dichloropropene	7.605	75	8686	0.411	ug/l	98
52) 1,1,2-Trichloroethane	8.399	97	5858	0.447	ug/l	92
53) 1,3-Dichloropropane	8.573	76	9532	0.423	ug/l	99
54) 2-Hexanone	8.698	43	11598	2.828	ug/l	85
55) Dibromochloromethane	8.801	129	5844	0.433	ug/l	98
56) 1,2-Dibromoethane	8.920	107	4502	0.424	ug/l	98
58) Tetrachloroethene	8.547	164	7362	0.457	ug/l	88
59) Chlorobenzene	9.444	112	17682	0.433	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	6394	0.435	ug/l	96
61) Pentachloroethane	11.418	117	5339	0.446	ug/l	100
62) Hexachloroethane	12.467	117	4766	0.443	ug/l	98
63) Ethyl Benzene	9.563	91	24226	0.370	ug/l	94
64) m/p-Xylenes	9.688	106	17368	1.327	ug/l	98
65) o-Xylene	10.094	106	8530	0.343	ug/l	92
66) Styrene	10.113	104	13899	0.681	ug/l	97
67) Bromoform	10.283	173	3049	0.413	ug/l #	94
69) Isopropylbenzene	10.476	105	20824	0.362	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	7533	0.450	ug/l	93
71) 1,2,3-Trichloropropane	10.817	75	8101	0.581	ug/l #	83
72) Bromobenzene	10.782	156	6800	0.421	ug/l	98
73) n-propylbenzene	10.901	120	6677	0.673	ug/l	87
74) 2-Chlorotoluene	10.981	126	5744	0.360	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	18407	0.635	ug/l	98
76) 4-Chlorotoluene	11.094	126	5825	0.348	ug/l	97
77) tert-Butylbenzene	11.412	119	19530	0.369	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	18507	0.673	ug/l	99
79) sec-Butylbenzene	11.637	105	25558	0.341	ug/l	98
80) Nitrobenzene	13.235	77	1117	2.748	ug/l #	75
81) p-Isopropyltoluene	11.785	119	19267	0.669	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	13634	0.407	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	12369	0.356	ug/l	93
84) n-Butylbenzene	12.206	91	21251	0.346	ug/l	95
85) 1,2-Dichlorobenzene	12.209	146	12791	0.399	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	900	0.391	ug/l #	85
87) 1,2,4-Trichlorobenzene	13.839	180	6988	0.391	ug/l	98
88) Hexachlorobutadiene	14.013	225	5542	0.438	ug/l	100
89) Naphthalene	14.093	128	10589	1.141	ug/l	96
90) 1,2,3-Trichlorobenzene	14.328	180	6460	0.364	ug/l	99

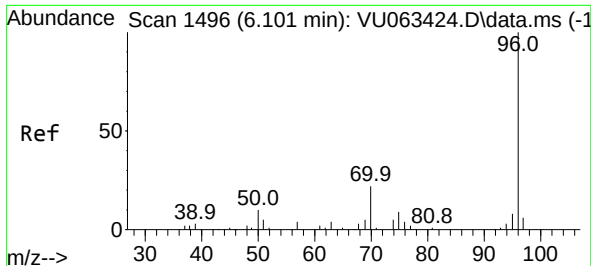
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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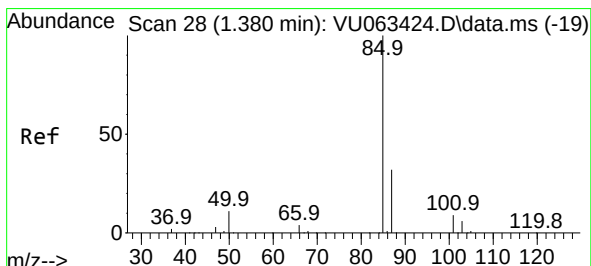
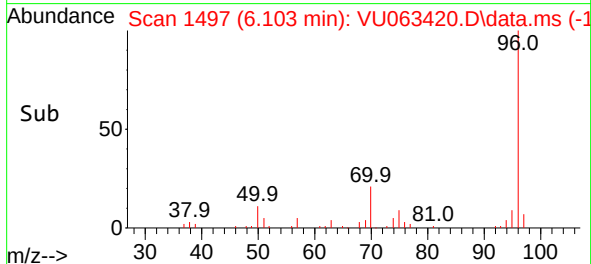
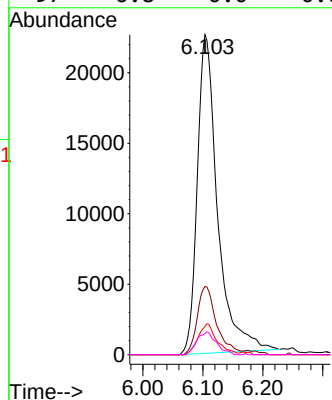
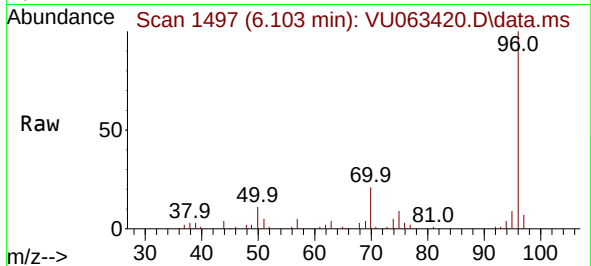




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

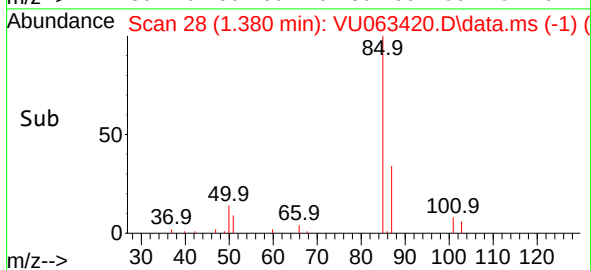
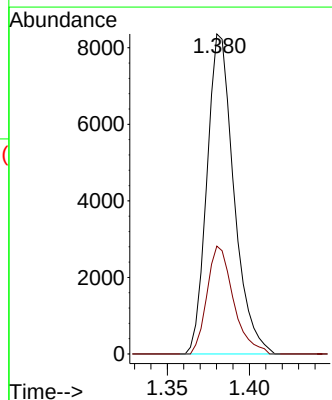
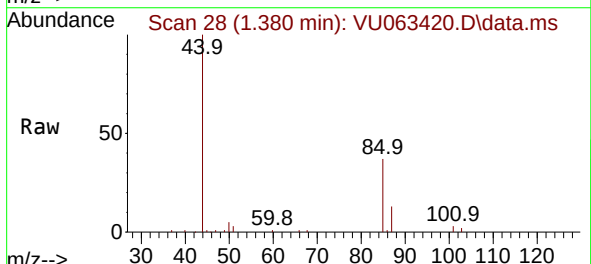
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

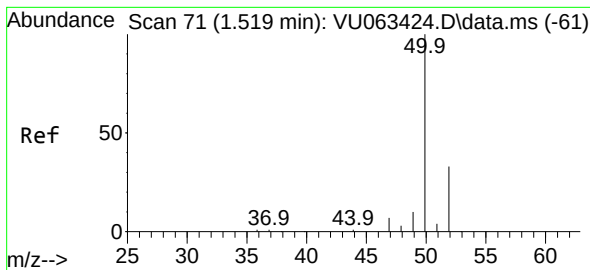
Tgt Ion: 96	Resp: 53283
Ion Ratio	Lower Upper
96 100	
70 19.0	16.4 24.6
95 8.4	6.2 9.2
97 6.8	0.0 0.0#



#2
Dichlorodifluoromethane
Concen: 0.466 ug/l
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 85	Resp: 9532
Ion Ratio	Lower Upper
85 100	
87 33.7	16.2 48.5





#3

Chloromethane

Concen: 0.497 ug/l

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

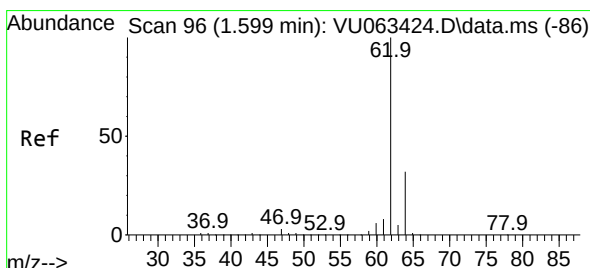
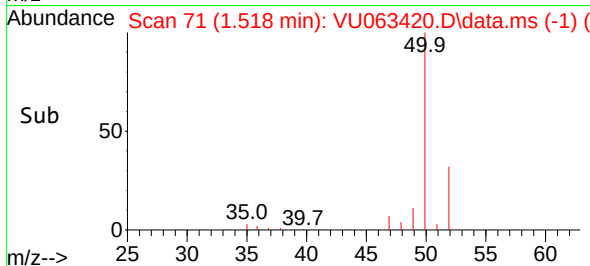
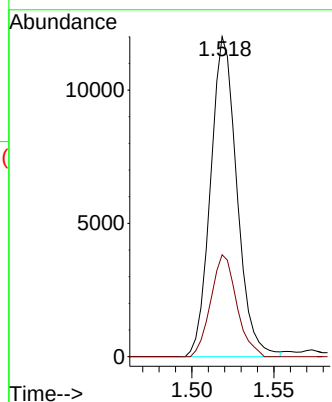
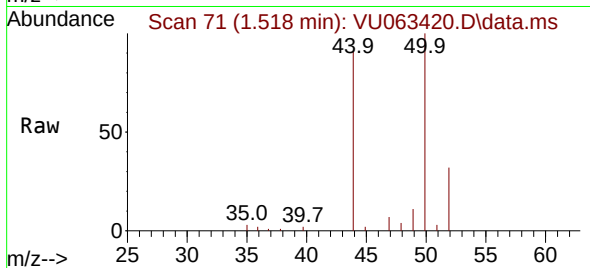
VSTDICC0.5

Tgt Ion: 50 Resp: 13388

Ion Ratio Lower Upper

50 100

52 31.9 26.6 40.0



#4

Vinyl Chloride

Concen: 0.469 ug/l

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU063420.D

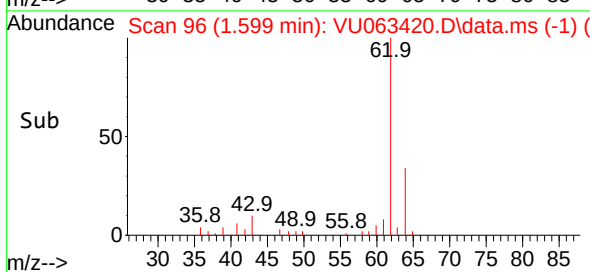
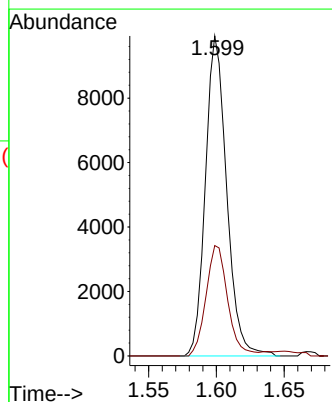
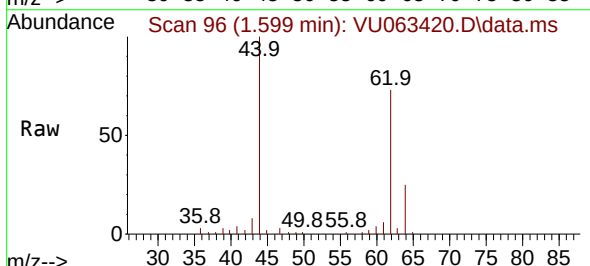
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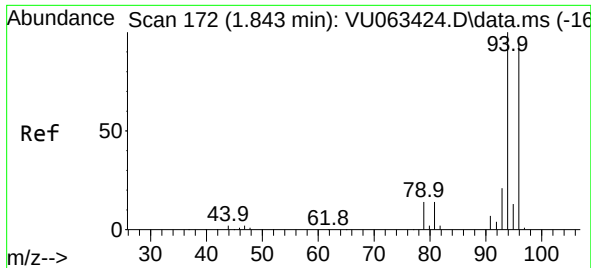
Tgt Ion: 62 Resp: 10834

Ion Ratio Lower Upper

62 100

64 34.5 25.7 38.5

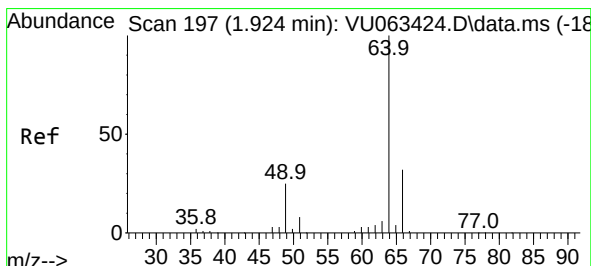
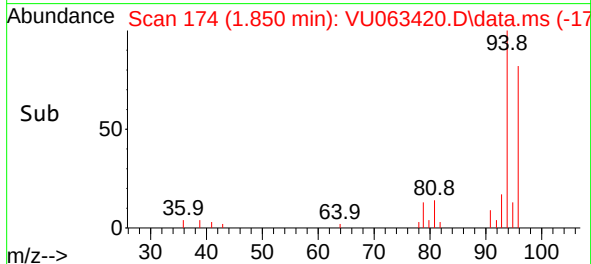
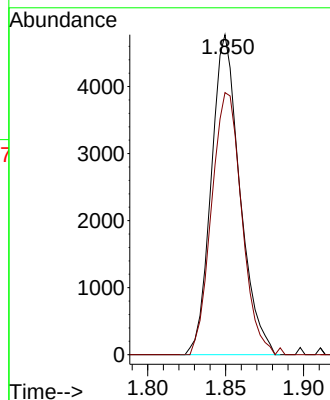
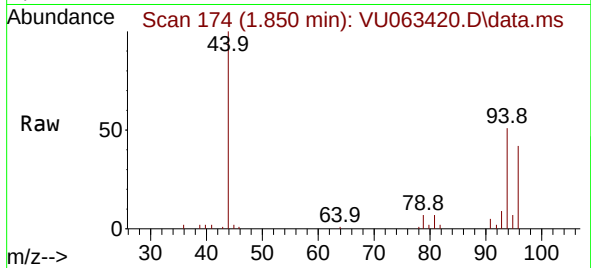




#5
Bromomethane
Concen: 0.552 ug/l
RT: 1.850 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

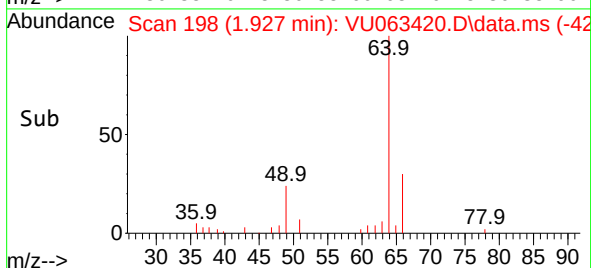
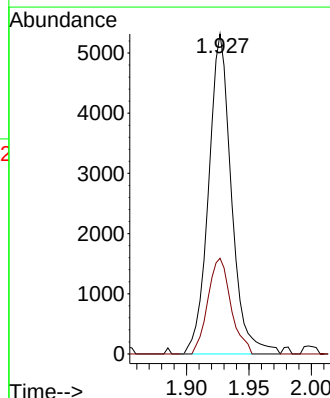
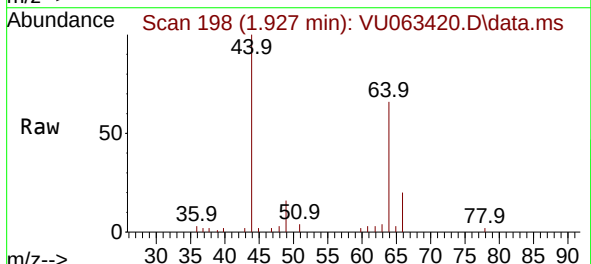
Instrument :
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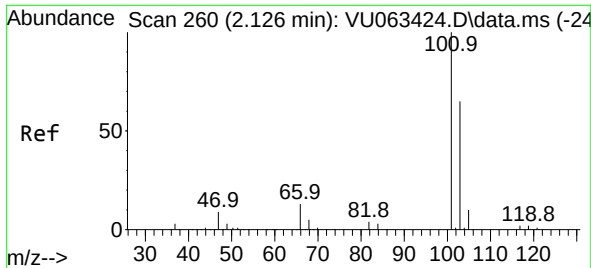
Tgt Ion: 94 Resp: 6105
Ion Ratio Lower Upper
94 100
96 81.9 74.8 112.2



#6
Chloroethane
Concen: 0.497 ug/l
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 64 Resp: 6800
Ion Ratio Lower Upper
64 100
66 29.9 25.7 38.5

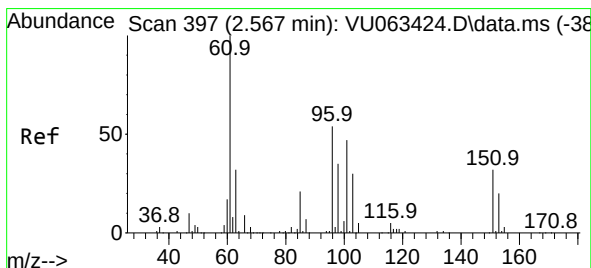
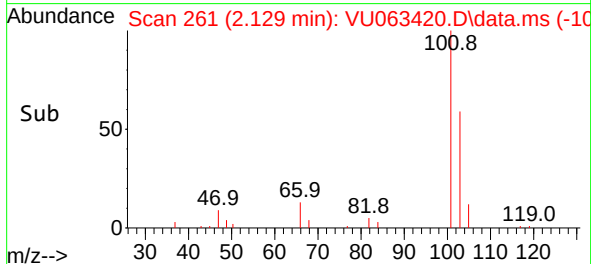
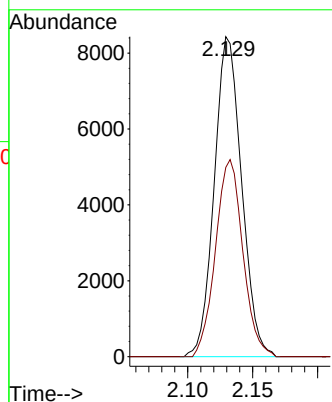
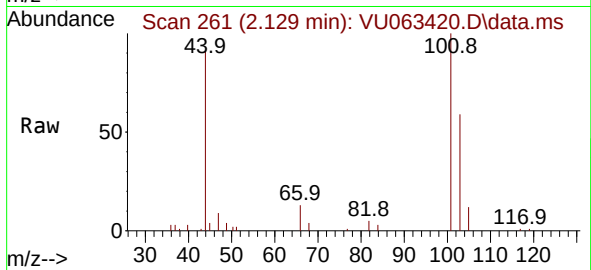




#7
 Trichlorofluoromethane
 Concen: 0.469 ug/l
 RT: 2.129 min Scan# 210
 Delta R.T. 0.003 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

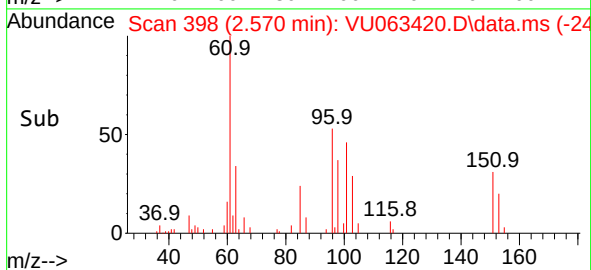
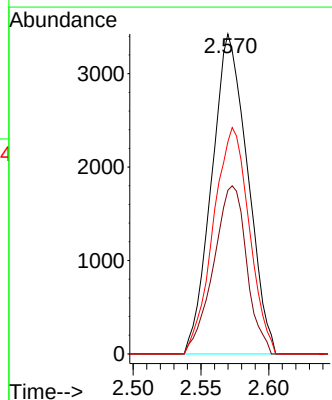
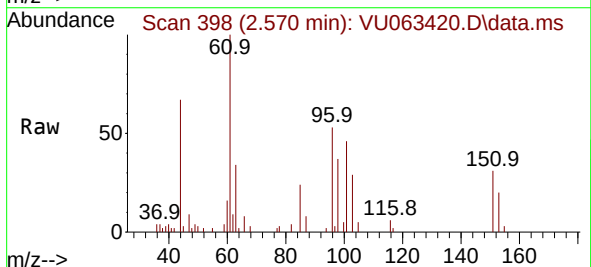
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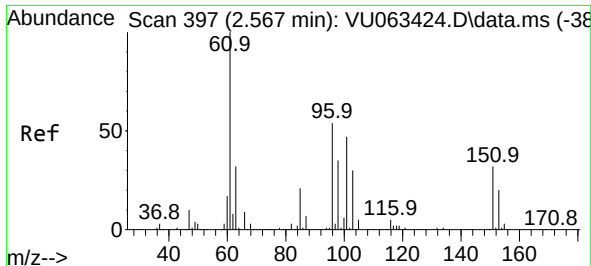
Tgt Ion:101 Resp: 12341
 Ion Ratio Lower Upper
 101 100
 103 59.1 52.3 78.5



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.448 ug/l
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

Tgt Ion:101 Resp: 6287
 Ion Ratio Lower Upper
 101 100
 85 48.7 36.7 55.1
 151 71.1 53.9 80.9

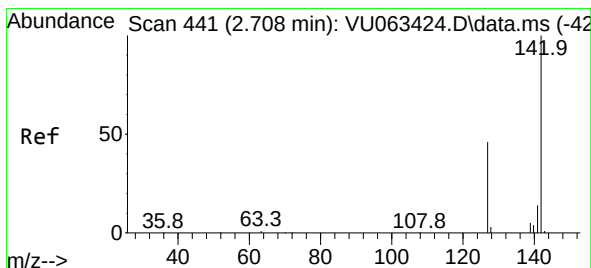
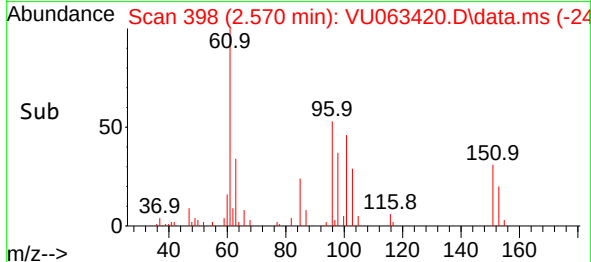
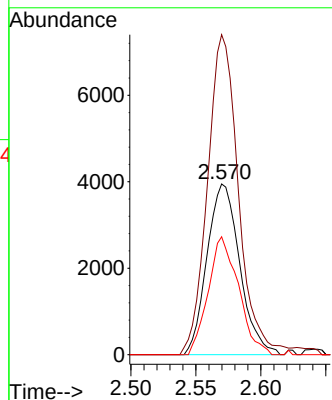
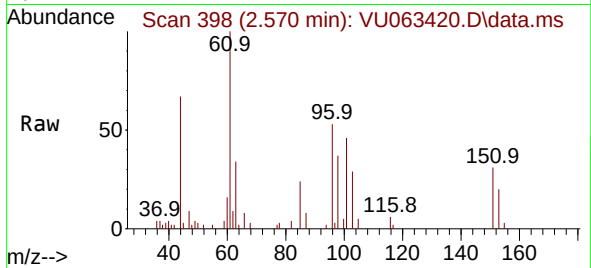




#9
1,1-Dichloroethene
Concen: 0.494 ug/l
RT: 2.570 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU063420.D
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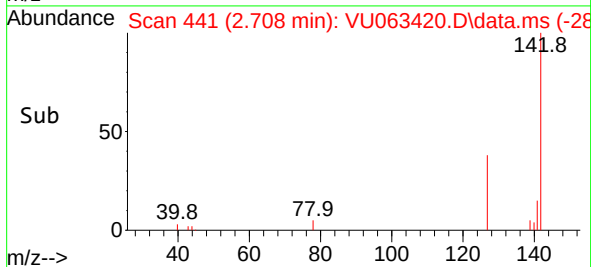
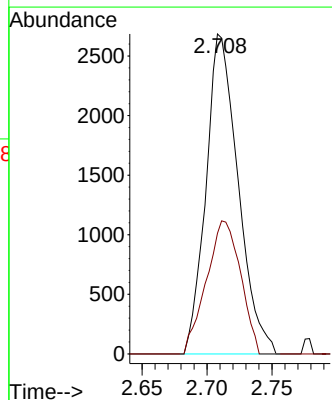
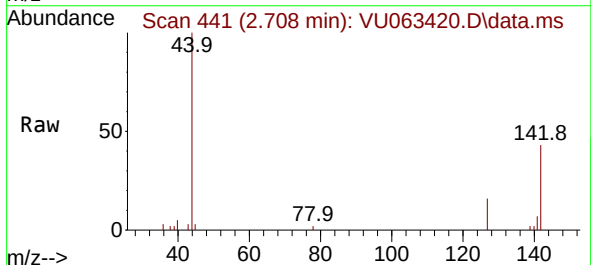
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MSVOA_U
ClientSampleId :
VSTDIC0.5

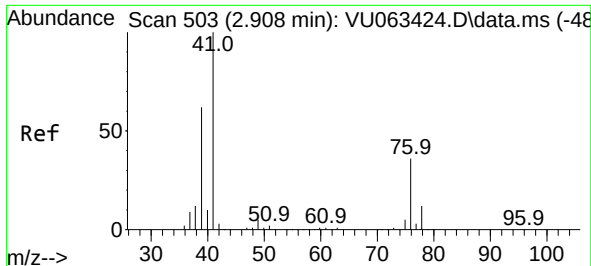
Tgt Ion: 96 Resp: 6906
Ion Ratio Lower Upper
96 100
61 187.5 0.0 552.0
98 69.1 0.0 128.4



#10
Iodomethane
Concen: 0.409 ug/l
RT: 2.708 min Scan# 441
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 142 Resp: 4616
Ion Ratio Lower Upper
142 100
127 44.2 36.9 55.3

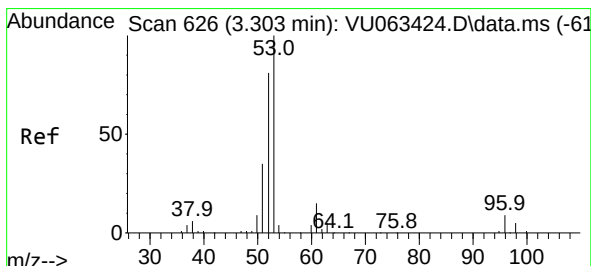
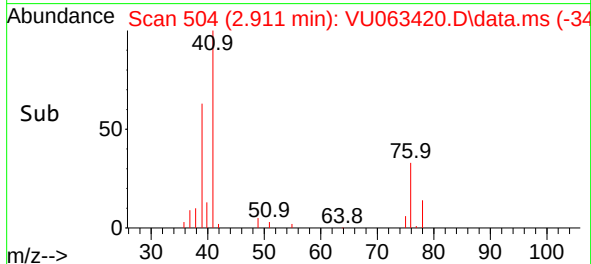
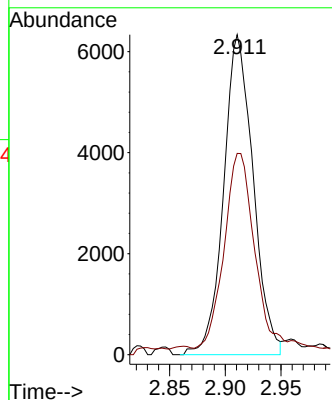
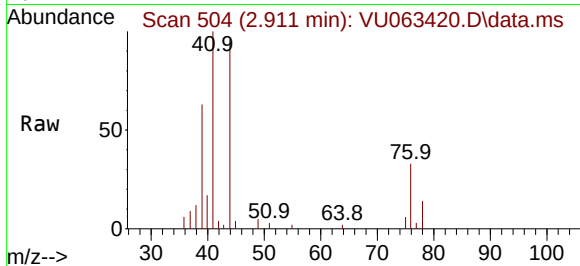




#11
 Allyl Chloride
 Concen: 0.467 ug/l
 RT: 2.911 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

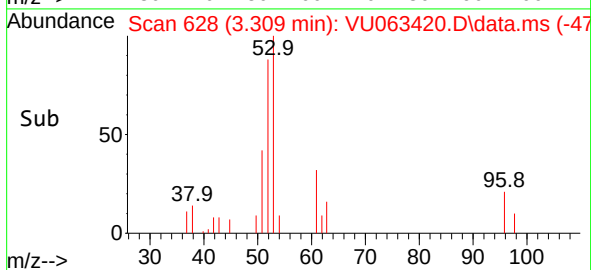
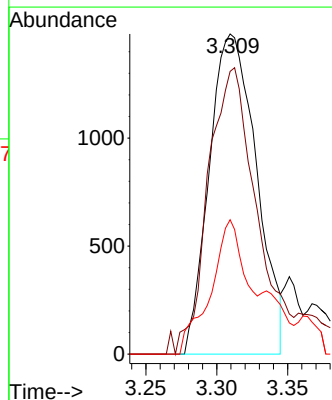
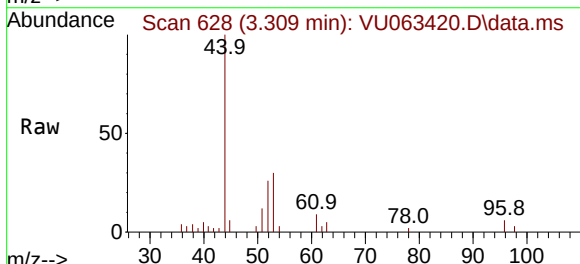
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

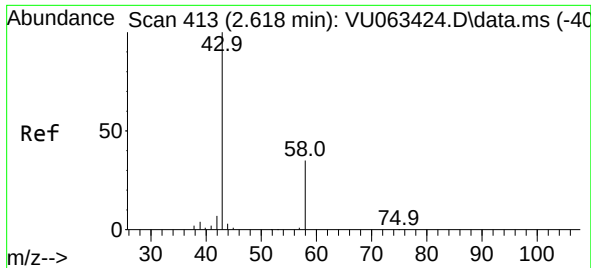
Tgt Ion: 41 Resp: 11648
 Ion Ratio Lower Upper
 41 100
 39 71.0 50.3 75.5



#12
 Acrylonitrile
 Concen: 0.849 ug/l
 RT: 3.309 min Scan# 628
 Delta R.T. 0.006 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

Tgt Ion: 53 Resp: 3432
 Ion Ratio Lower Upper
 53 100
 52 91.9 62.8 94.2
 51 31.7 26.2 39.4





#13

Acetone

Concen: 1.864 ug/l

RT: 2.621 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

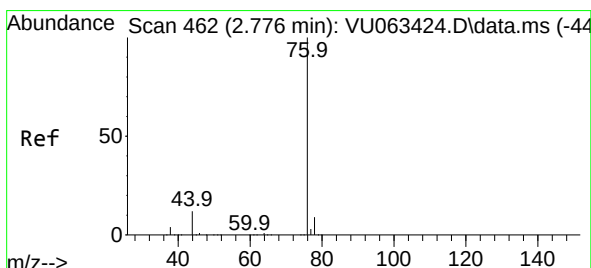
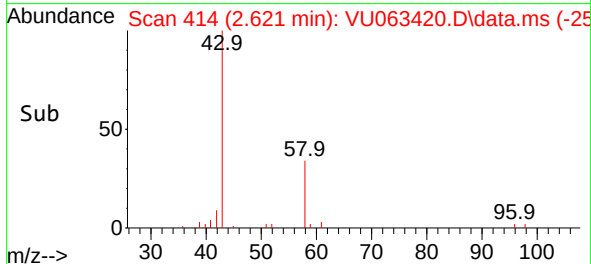
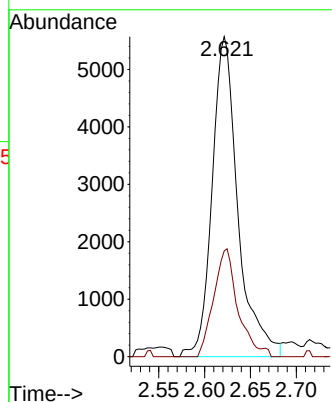
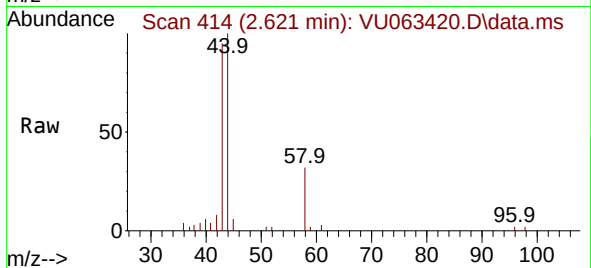
VSTDICC0.5

Tgt Ion: 43 Resp: 10917

Ion Ratio Lower Upper

43 100

58 33.1 28.3 42.5



#14

Carbon Disulfide

Concen: 0.499 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.003 min

Lab File: VU063420.D

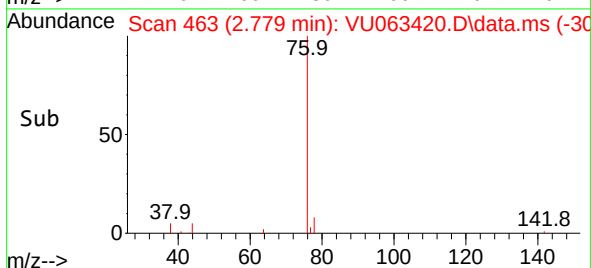
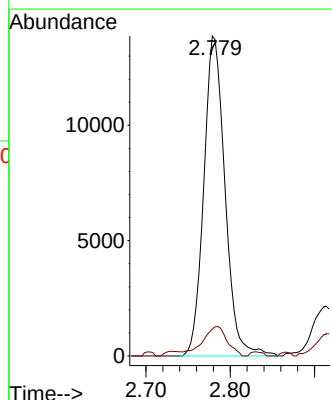
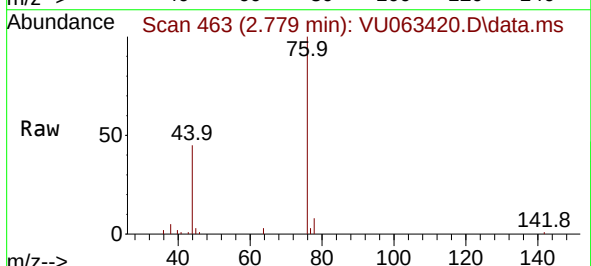
Acq: 23 Jun 2025 10:03

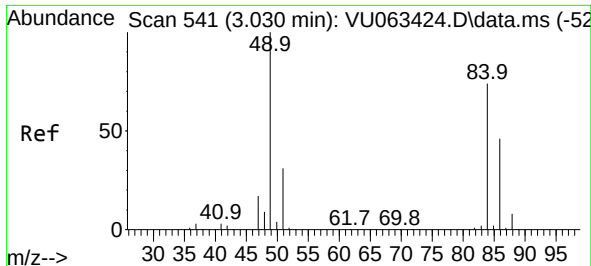
Tgt Ion: 76 Resp: 24367

Ion Ratio Lower Upper

76 100

78 7.7 6.9 10.3

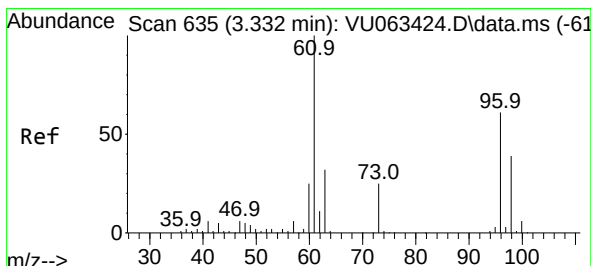
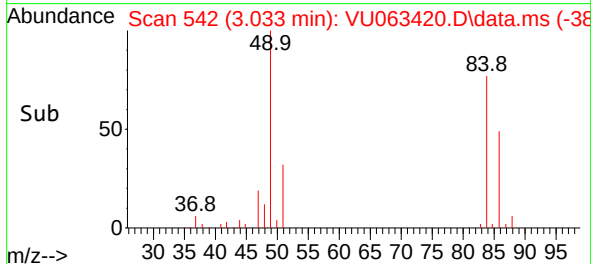
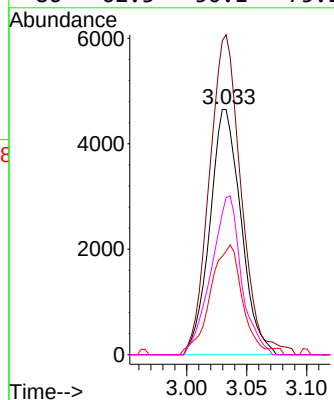
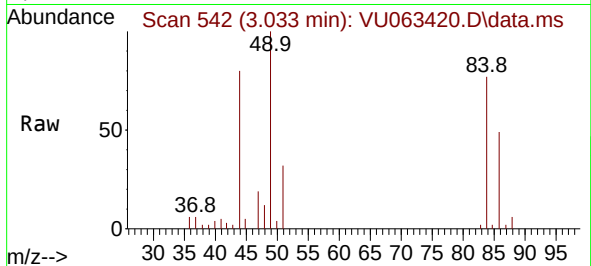




#15
Methylene Chloride
Concen: 0.474 ug/l
RT: 3.033 min Scan# 541
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

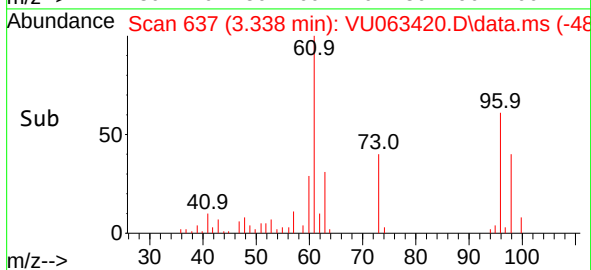
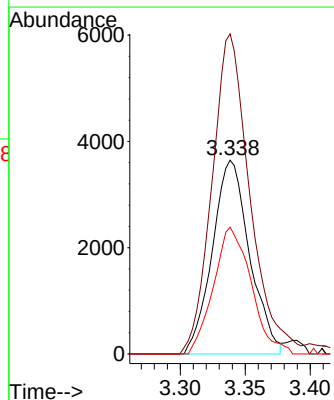
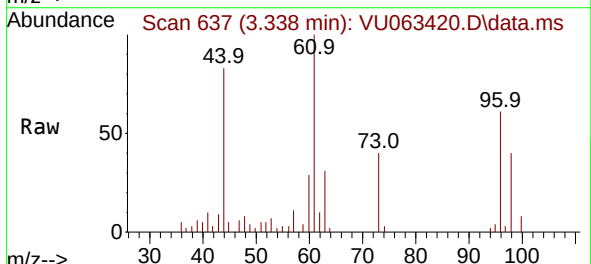
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

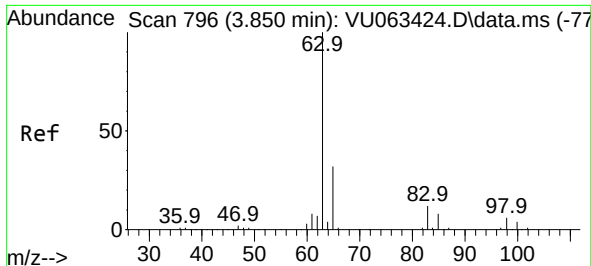
Tgt Ion: 84	Resp: 8402		
Ion	Ratio	Lower	Upper
84	100		
49	126.9	108.7	163.1
51	41.1	0.0	83.8
86	62.3	50.1	75.1



#16
trans-1,2-Dichloroethene
Concen: 0.462 ug/l
RT: 3.338 min Scan# 637
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 96	Resp: 7267		
Ion Ratio	Lower	Upper	
96	100		
61	165.1	132.1	198.1
98	65.4	51.0	76.4

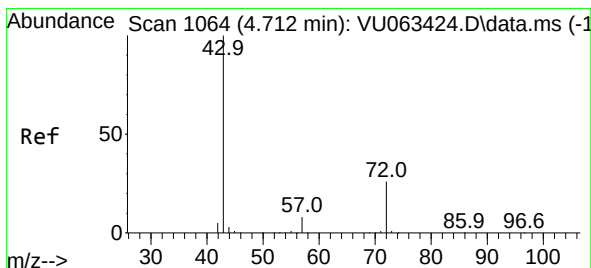
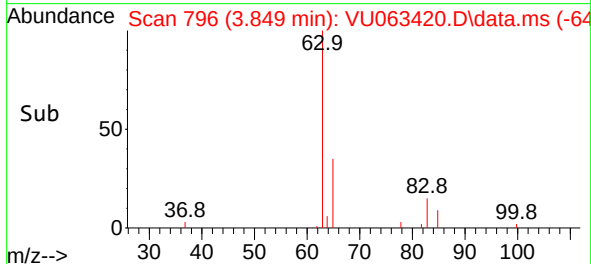
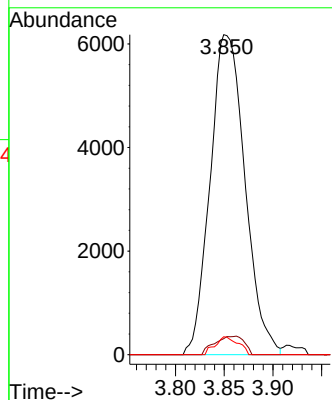
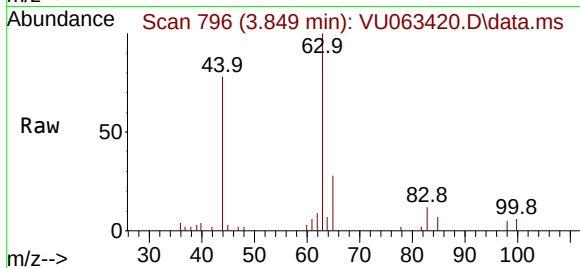




#17
1,1-Dichloroethane
Concen: 0.465 ug/l
RT: 3.849 min Scan# 796
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

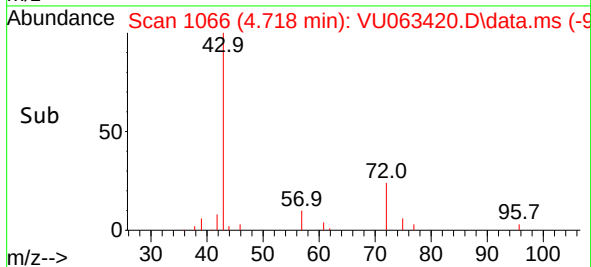
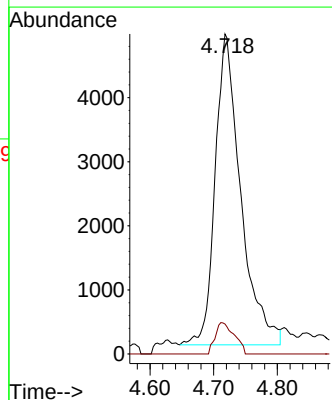
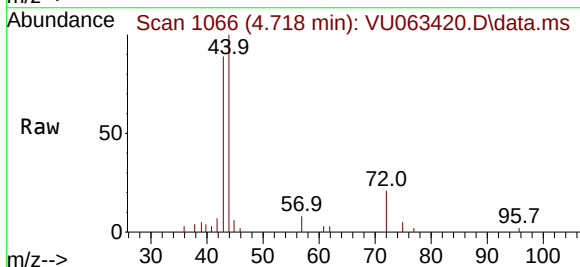
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

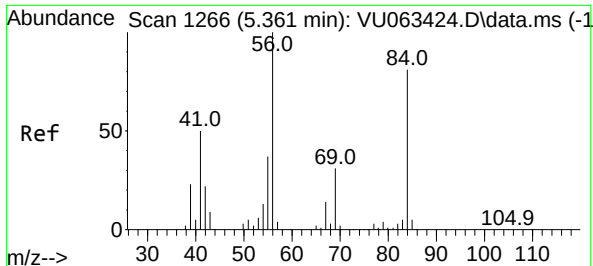
Tgt Ion: 63 Resp: 15379
Ion Ratio Lower Upper
63 100
98 5.0 2.8 8.4
100 5.6 1.9 5.7



#18
2-Butanone
Concen: 2.399 ug/l
RT: 4.718 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 43 Resp: 13536
Ion Ratio Lower Upper
43 100
57 9.6 0.0 16.0





#19

Cyclohexane

Concen: 0.486 ug/l

RT: 5.364 min Scan# 1266

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

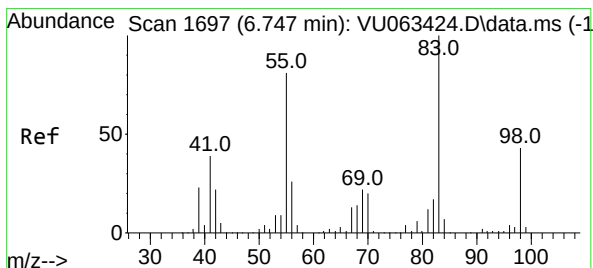
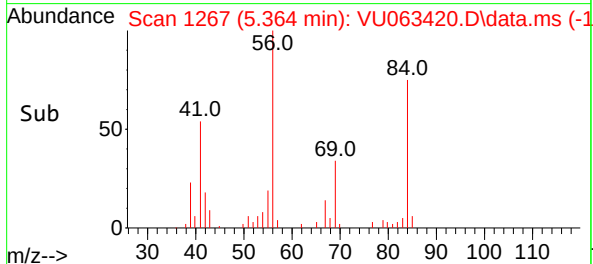
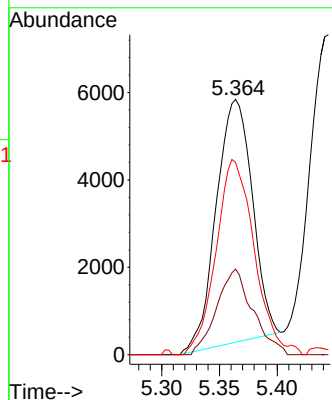
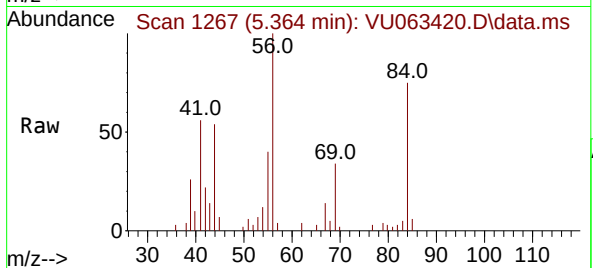
Tgt Ion: 56 Resp: 12162

Ion Ratio Lower Upper

56 100

69 35.0 26.4 39.6

84 84.9 68.6 102.8



#20

Methylcyclohexane

Concen: 0.421 ug/l

RT: 6.750 min Scan# 1698

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

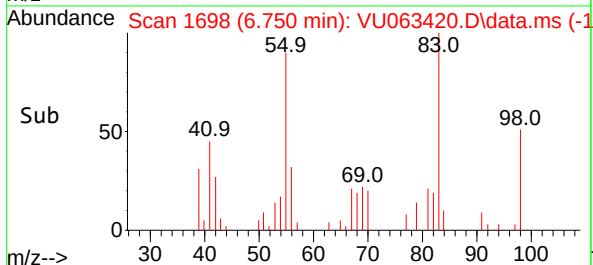
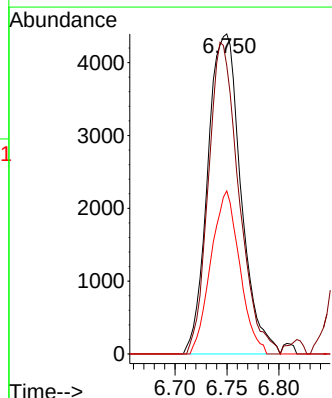
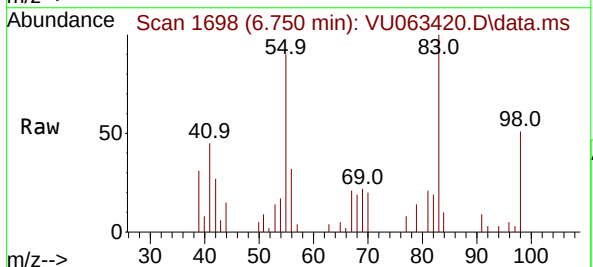
Tgt Ion: 83 Resp: 9727

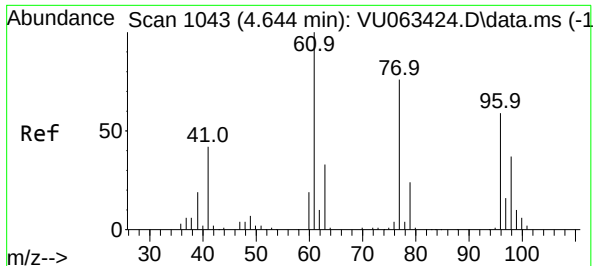
Ion Ratio Lower Upper

83 100

55 89.5 63.5 95.3

98 44.3 34.2 51.4





#21

2,2-Dichloropropane

Concen: 0.524 ug/l

RT: 4.647 min Scan# 1043

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

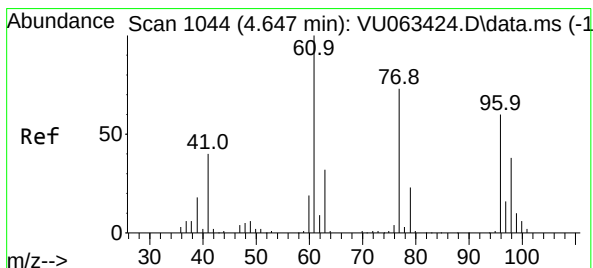
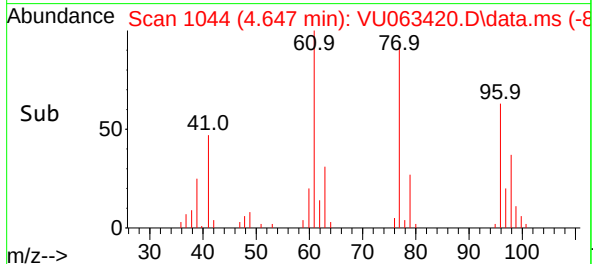
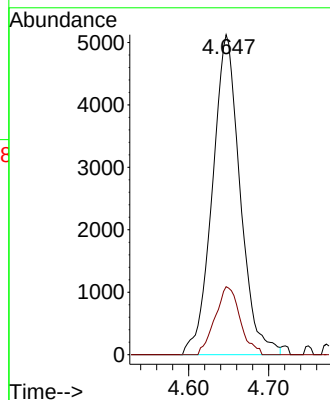
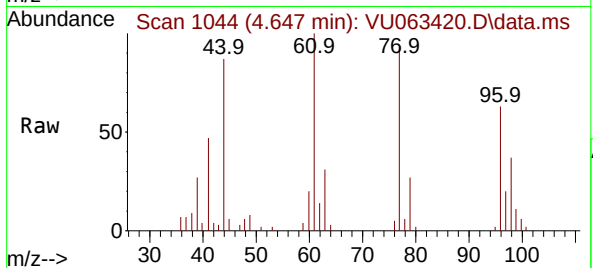
VSTDIC0.5

Tgt Ion: 77 Resp: 12313

Ion Ratio Lower Upper

77 100

97 19.2 17.2 25.8



#22

cis-1,2-Dichloroethene

Concen: 0.477 ug/l

RT: 4.650 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

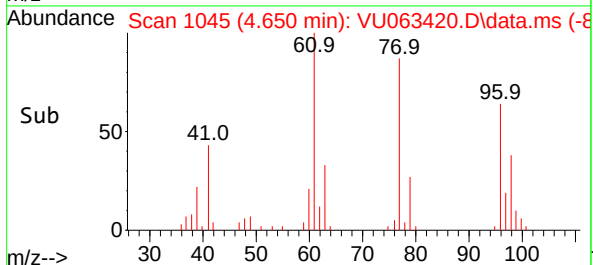
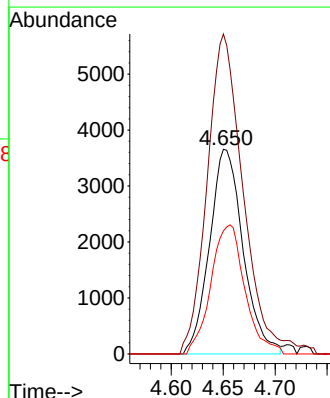
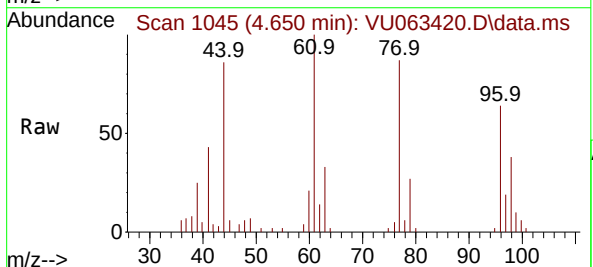
Tgt Ion: 96 Resp: 8202

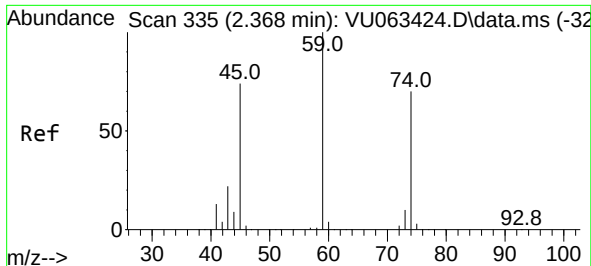
Ion Ratio Lower Upper

96 100

61 168.5 0.0 434.3

98 63.8 31.9 95.7

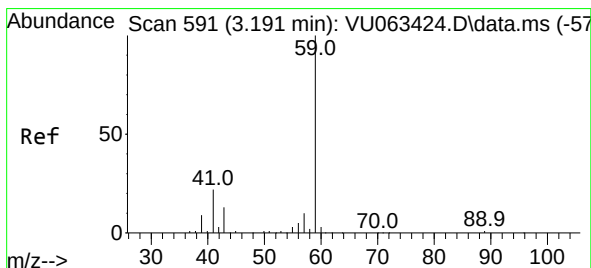
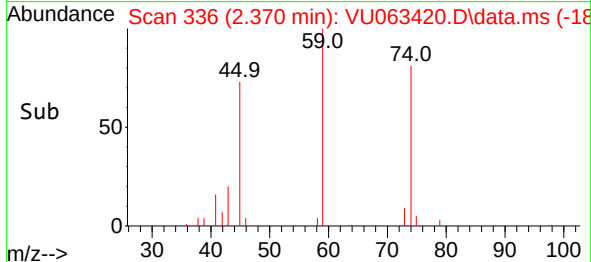
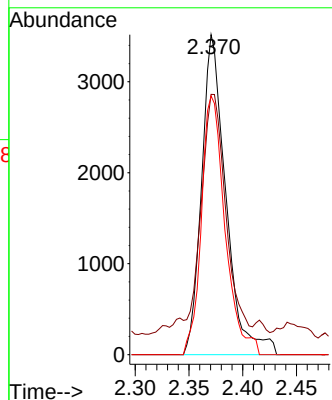
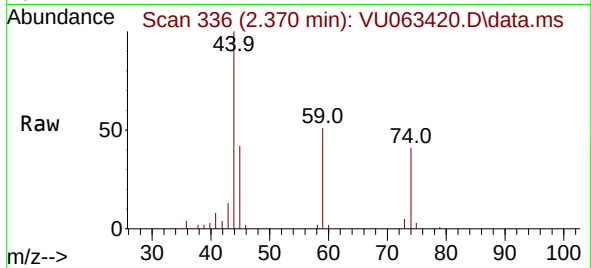




#23
Diethyl Ether
Concen: 0.437 ug/l
RT: 2.370 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

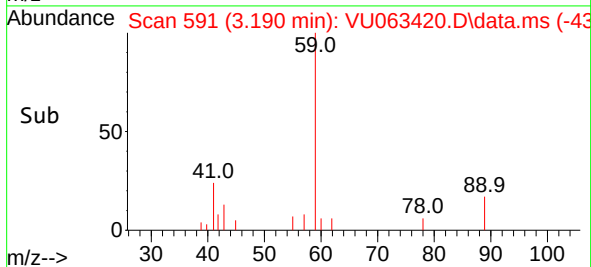
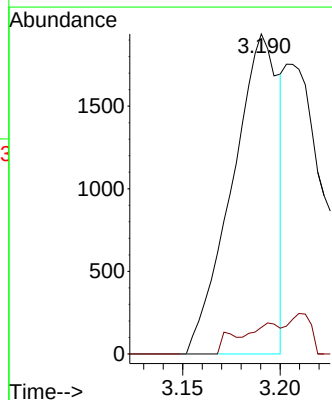
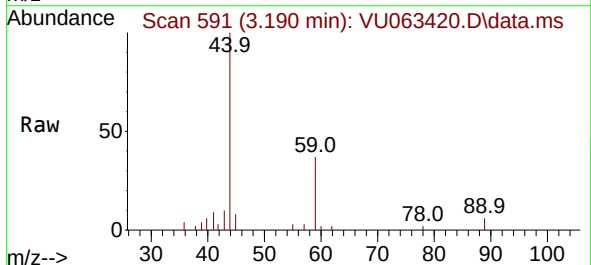
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

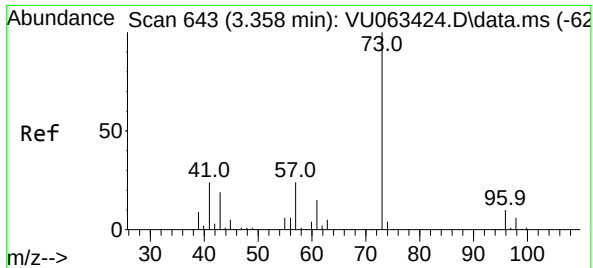
Tgt Ion: 59 Resp: 5521
Ion Ratio Lower Upper
59 100
45 78.3 60.7 91.1
74 78.7 55.8 83.6



#24
tert-Butyl Alcohol
Concen: 2.412 ug/l
RT: 3.190 min Scan# 591
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 59 Resp: 3207
Ion Ratio Lower Upper
59 100
57 5.7 7.8 11.8#

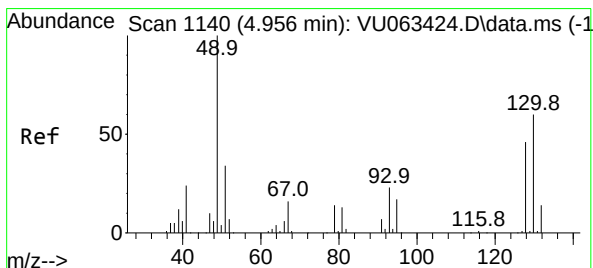
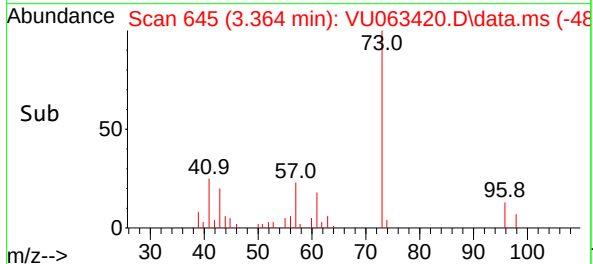
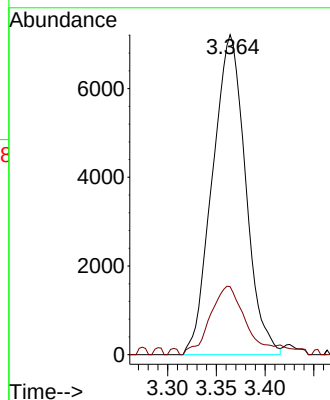
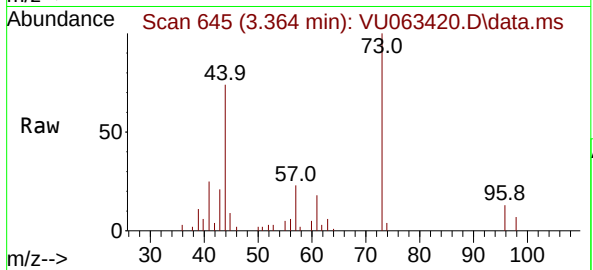




#25
Methyl tert-Butyl Ether
Concen: 0.448 ug/l
RT: 3.364 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

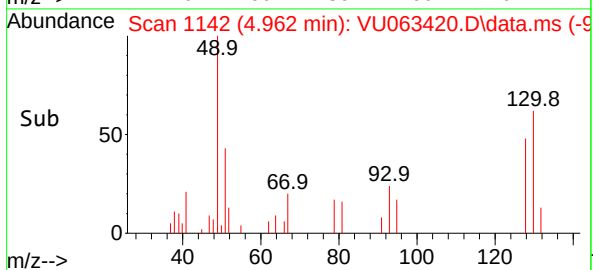
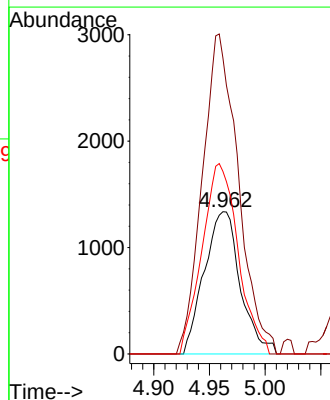
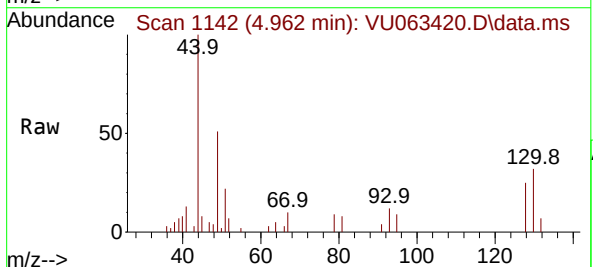
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

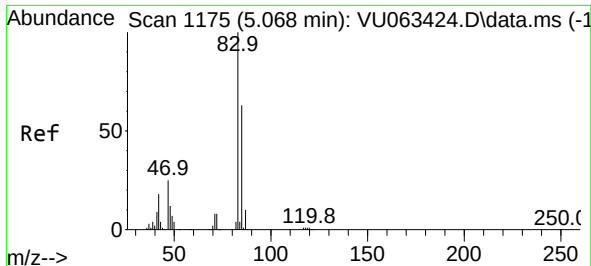
Tgt Ion: 73 Resp: 17035
Ion Ratio Lower Upper
73 100
43 22.5 15.1 22.7



#26
Bromochloromethane
Concen: 0.451 ug/l
RT: 4.962 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 128 Resp: 3015
Ion Ratio Lower Upper
128 100
49 223.8 0.0 441.2
130 133.7 102.3 153.5





#27

Chloroform

Concen: 0.469 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

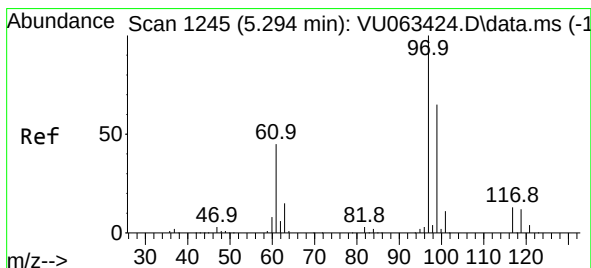
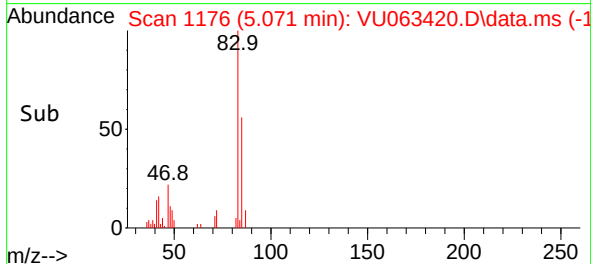
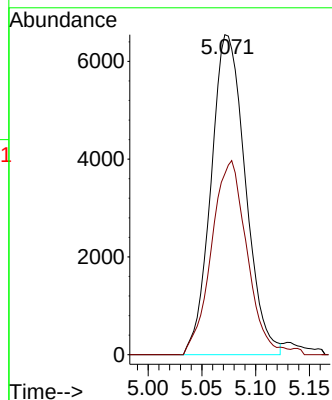
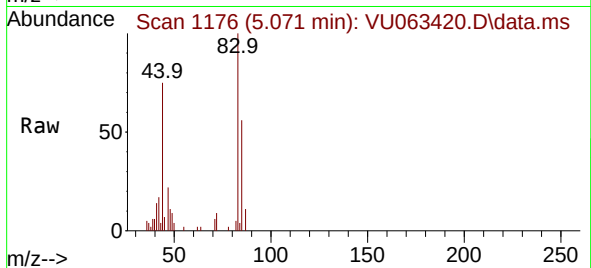
VSTDICC0.5

Tgt Ion: 83 Resp: 14531

Ion Ratio Lower Upper

83 100

85 56.5 0.0 126.8



#28

1,1,1-Trichloroethane

Concen: 0.450 ug/l

RT: 5.300 min Scan# 1247

Delta R.T. 0.006 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

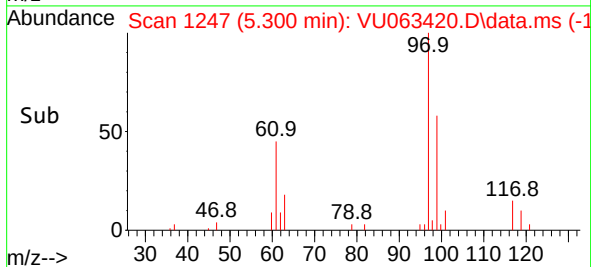
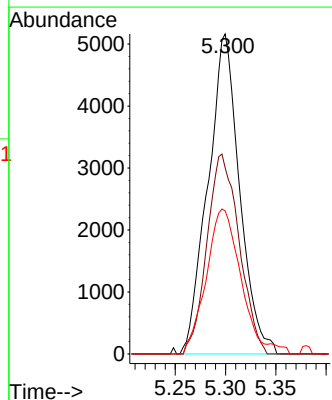
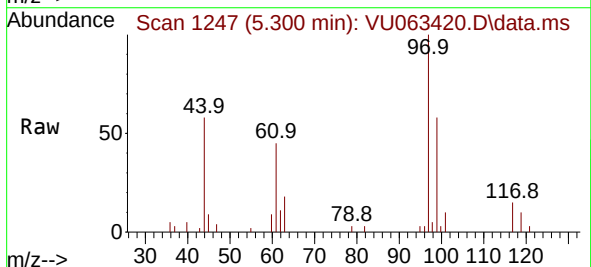
Tgt Ion: 97 Resp: 11308

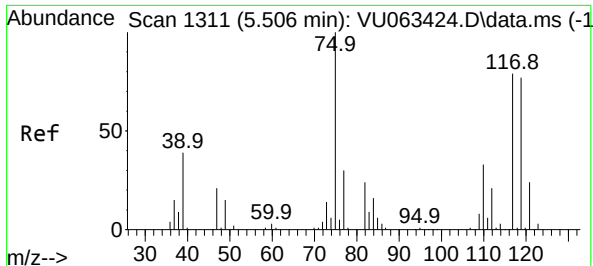
Ion Ratio Lower Upper

97 100

99 63.5 31.9 95.5

61 49.9 22.9 68.7

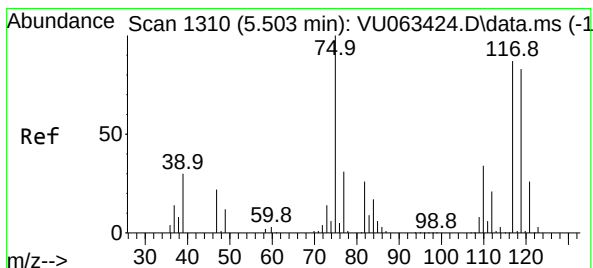
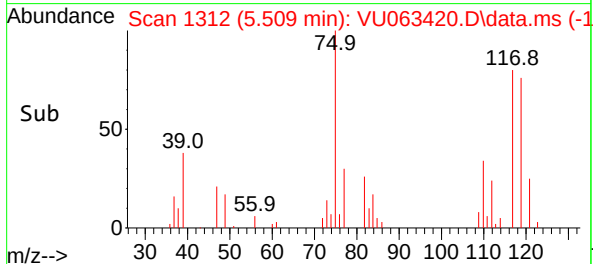
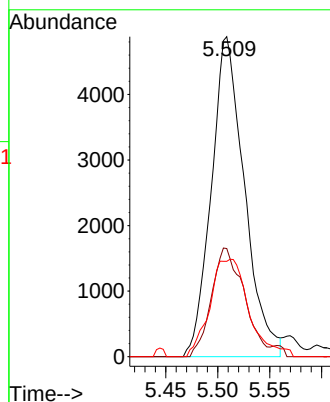
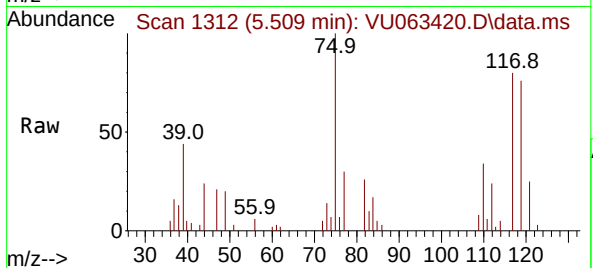




#29
1,1-Dichloropropene
Concen: 0.472 ug/l
RT: 5.509 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

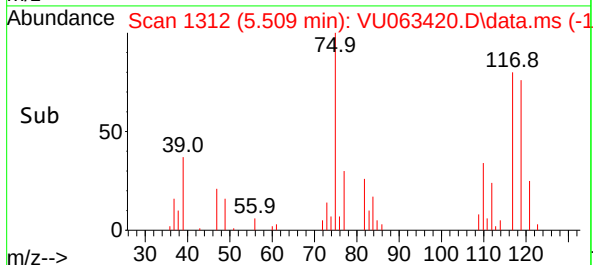
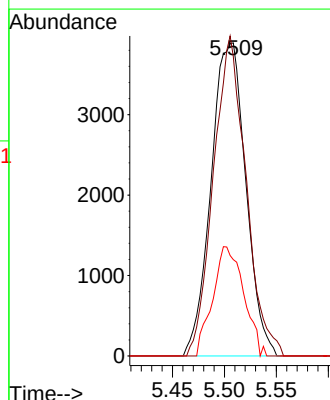
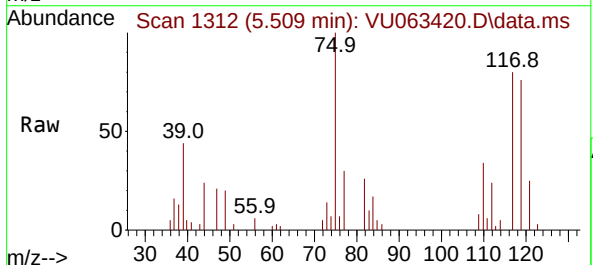
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

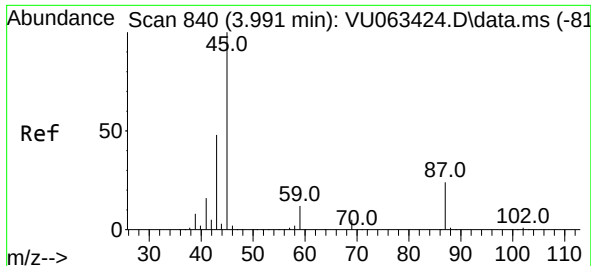
Tgt Ion: 75 Resp: 10823
Ion Ratio Lower Upper
75 100
110 33.6 17.4 52.2
77 35.7 25.4 38.0



#30
Carbon Tetrachloride
Concen: 0.452 ug/l
RT: 5.509 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 117 Resp: 9072
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1
121 30.8 24.3 36.5

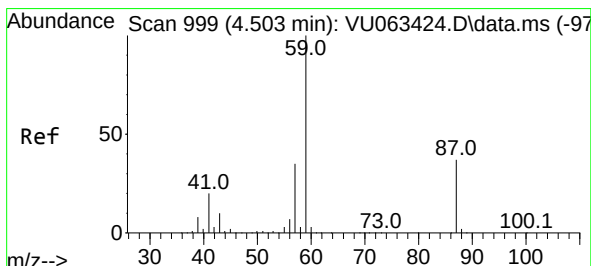
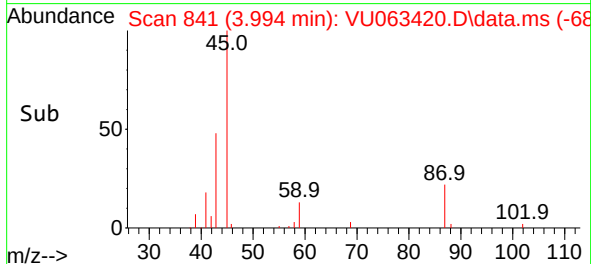
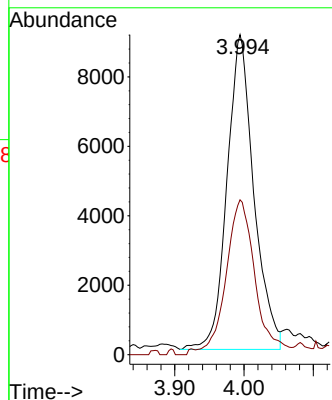
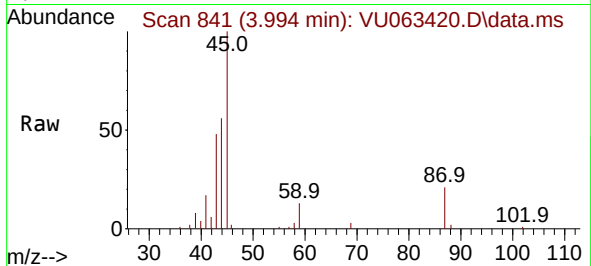




#31
Isopropyl Ether
Concen: 0.469 ug/l
RT: 3.994 min Scan# 841
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

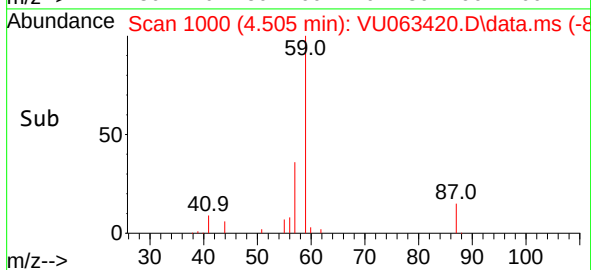
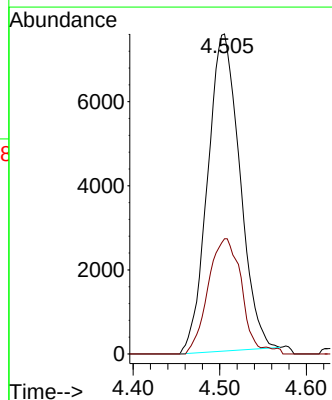
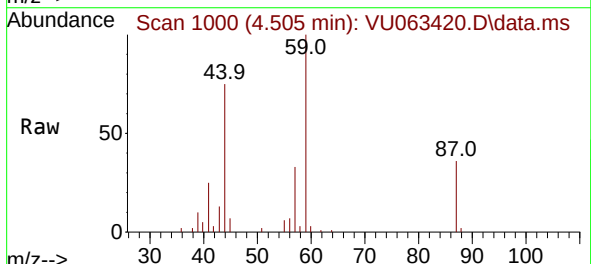
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

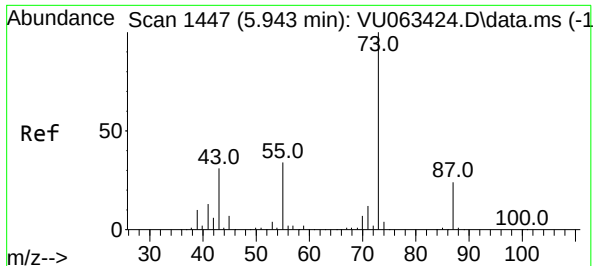
Tgt Ion: 45 Resp: 24365
Ion Ratio Lower Upper
45 100
43 48.1 23.8 71.5



#32
Ethyl-t-butyl ether
Concen: 0.445 ug/l
RT: 4.505 min Scan# 1000
Delta R.T. 0.002 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 59 Resp: 19475
Ion Ratio Lower Upper
59 100
87 38.0 29.9 44.9

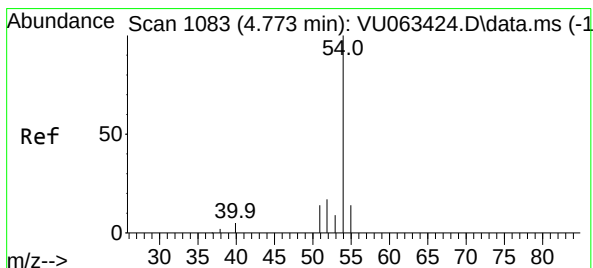
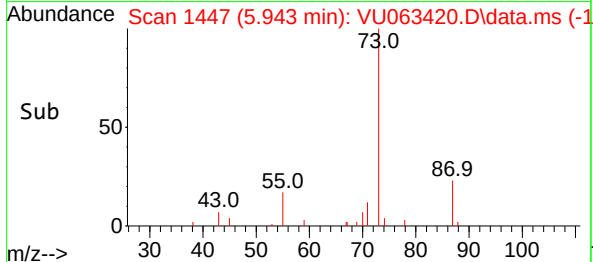
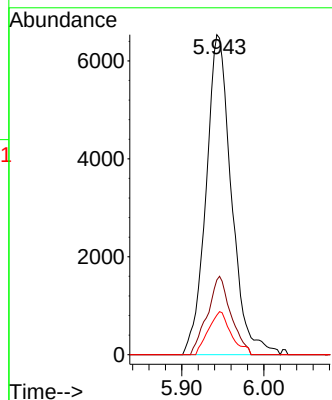
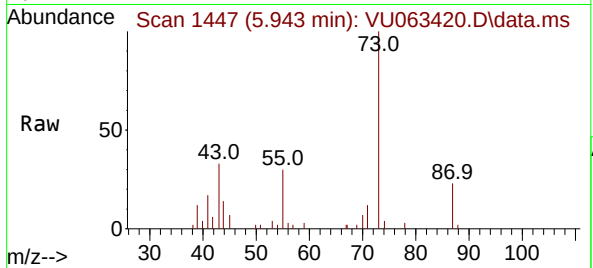




#33
Tert-Amyl methyl ether
Concen: 0.449 ug/l
RT: 5.943 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

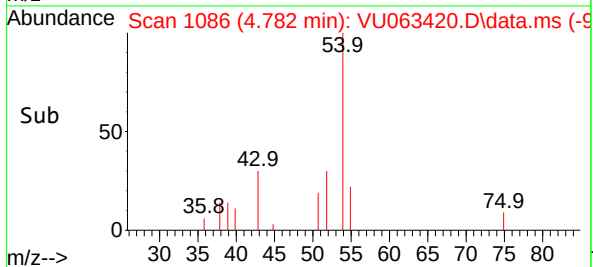
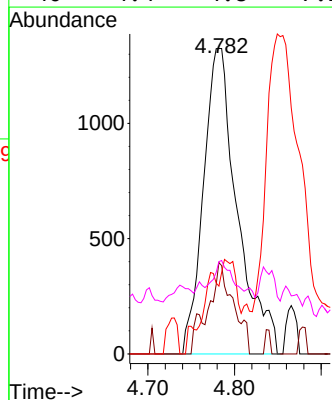
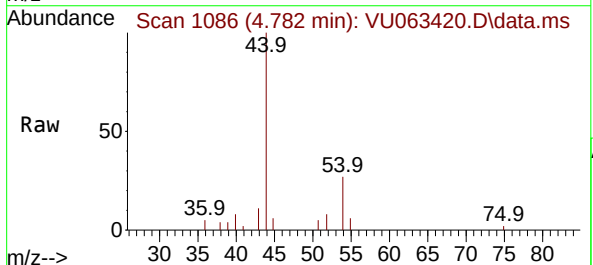
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

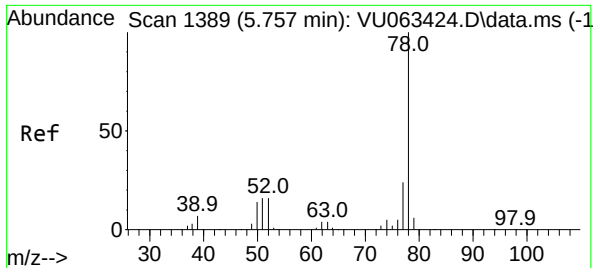
Tgt Ion:	73	Resp:	14033
Ion	Ratio	Lower	Upper
73	100		
87	22.7	18.1	27.1
71	12.1	10.0	15.0



#34
Propionitrile
Concen: 2.210 ug/l
RT: 4.782 min Scan# 1086
Delta R.T. 0.009 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion:	54	Resp:	3607
Ion	Ratio	Lower	Upper
54	100		
52	18.8	14.8	22.2
55	10.8	12.2	18.2#
40	4.4	4.8	7.2#

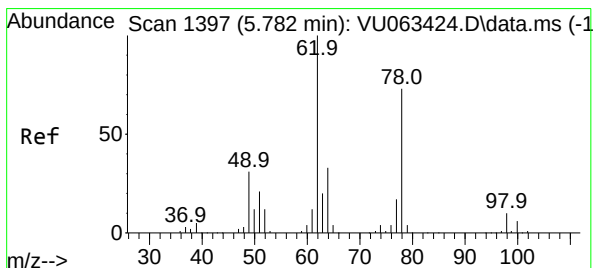
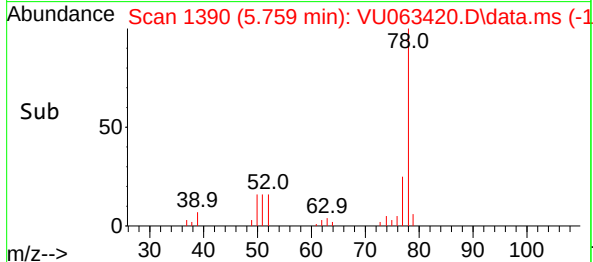
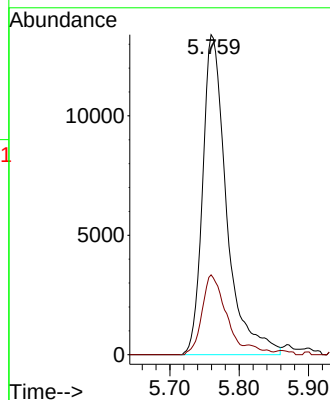
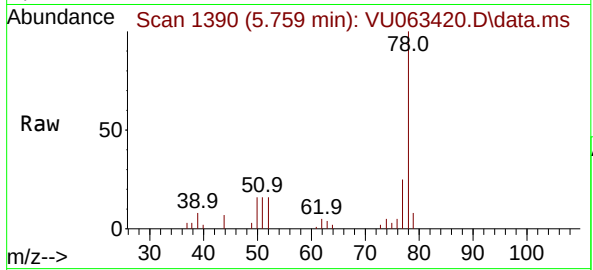




#35
Benzene
Concen: 0.463 ug/l
RT: 5.759 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

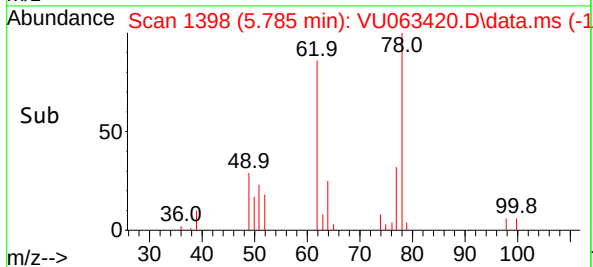
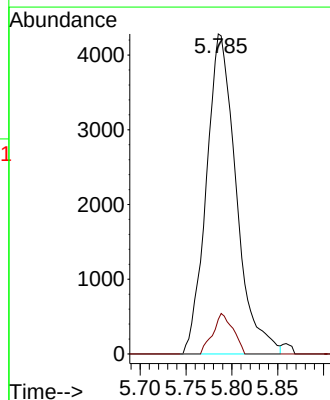
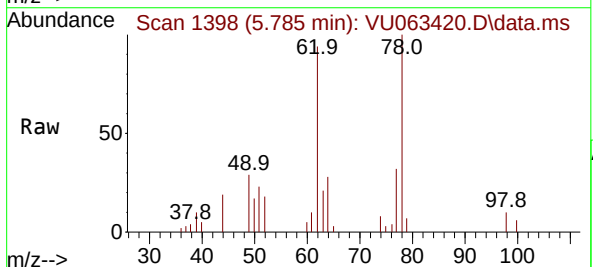
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

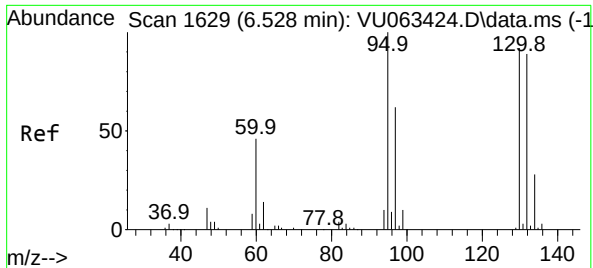
Tgt Ion: 78 Resp: 32166
Ion Ratio Lower Upper
78 100
77 24.9 19.4 29.2



#36
1,2-Dichloroethane
Concen: 0.477 ug/l
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 62 Resp: 9684
Ion Ratio Lower Upper
62 100
98 8.5 7.1 10.7

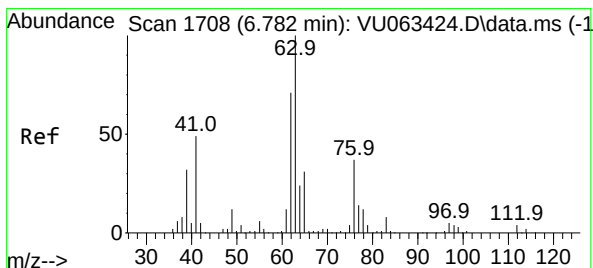
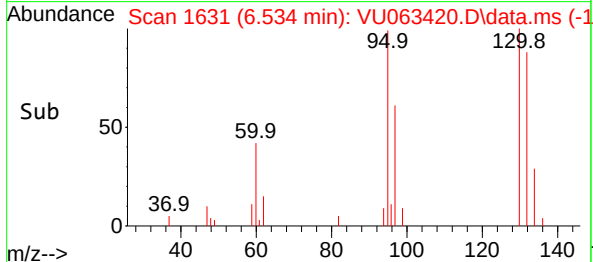
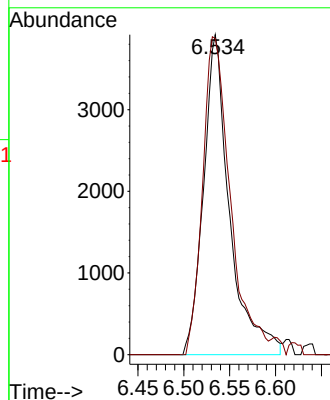
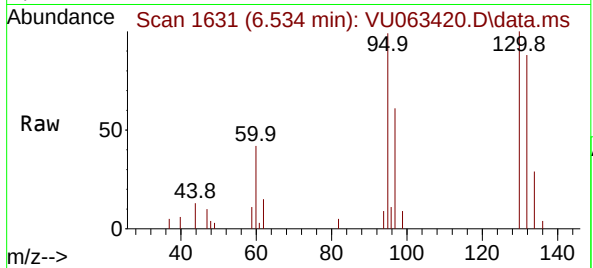




#37
Trichloroethene
Concen: 0.471 ug/l
RT: 6.534 min Scan# 1710
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

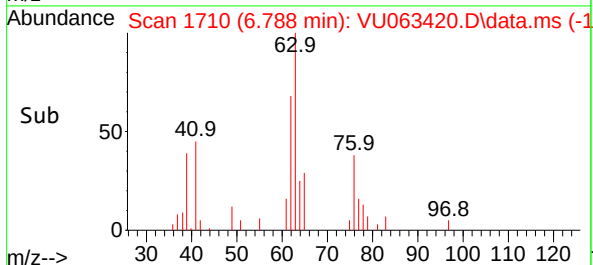
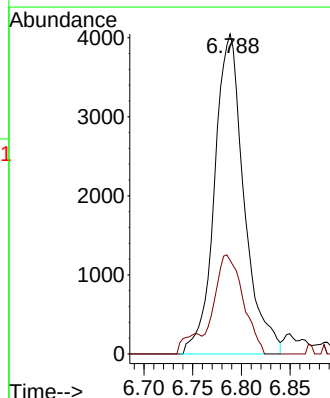
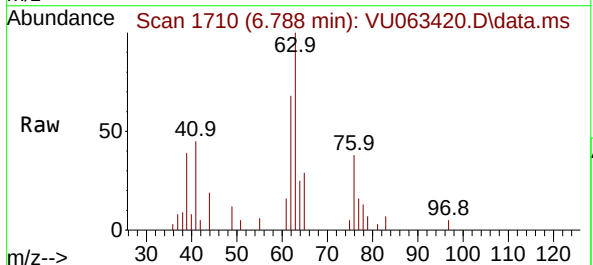
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

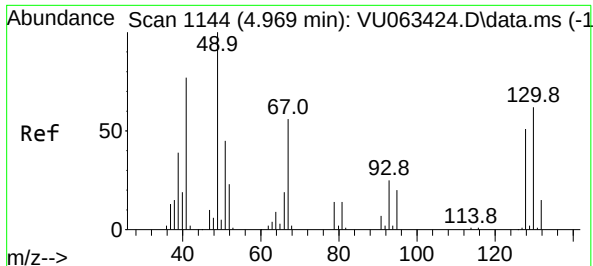
Tgt Ion:130 Resp: 7729
Ion Ratio Lower Upper
130 100
95 98.8 87.2 130.8



#38
1,2-Dichloropropane
Concen: 0.445 ug/l
RT: 6.788 min Scan# 1710
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 63 Resp: 8540
Ion Ratio Lower Upper
63 100
65 29.3 25.0 37.6





#39

Methacrylonitrile

Concen: 0.487 ug/l

RT: 4.984 min Scan# 1149

Delta R.T. 0.015 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 3304

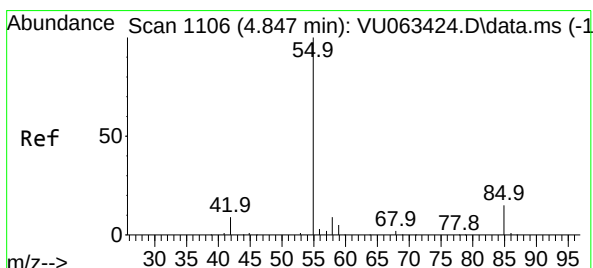
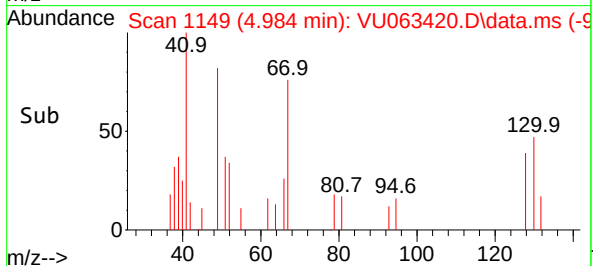
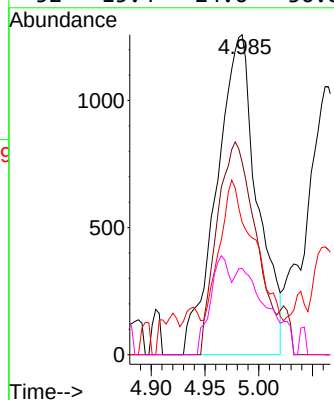
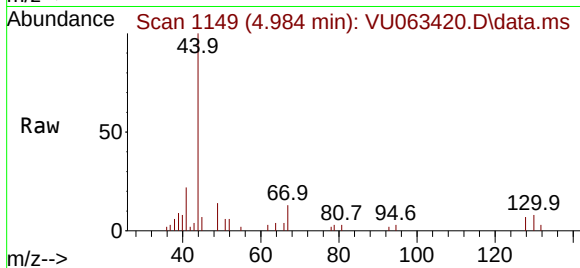
Ion Ratio Lower Upper

41 100

67 63.6 59.8 89.8

39 35.4 40.7 61.1#

52 15.4 24.6 36.8#



#40

Methyl acrylate

Concen: 0.338 ug/l

RT: 4.849 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Tgt Ion: 55 Resp: 3224

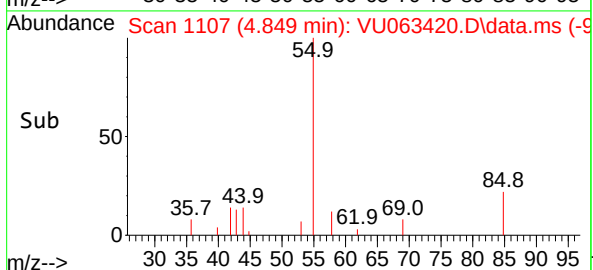
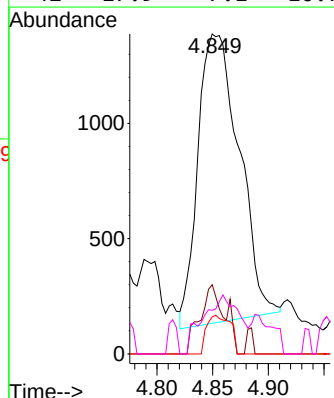
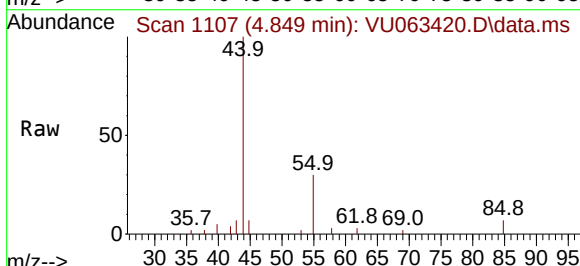
Ion Ratio Lower Upper

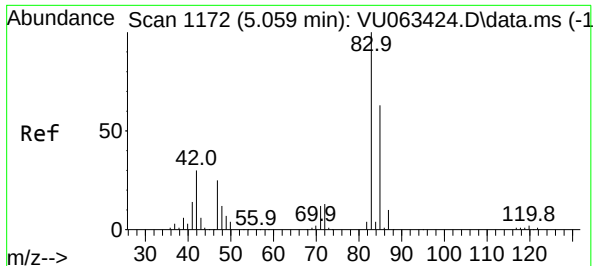
55 100

85 14.5 12.6 19.0

58 7.7 6.9 10.3

42 17.9 7.1 10.7#





#41

Tetrahydrofuran

Concen: 1.031 ug/l

RT: 5.062 min Scan# 1173

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

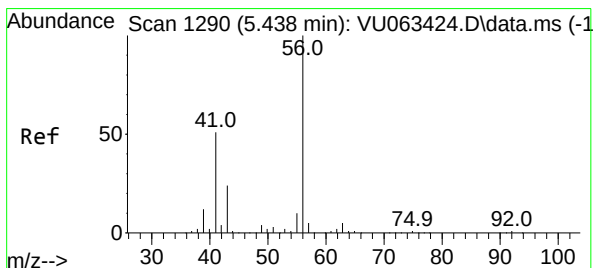
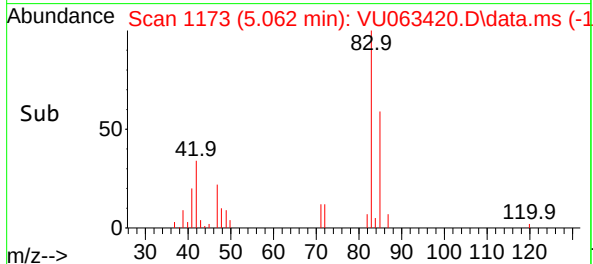
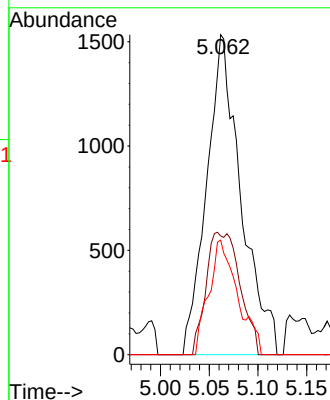
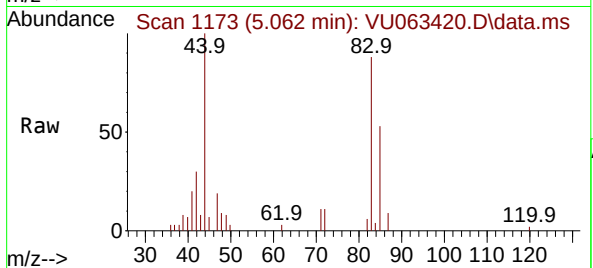
Tgt Ion: 42 Resp: 3767

Ion Ratio Lower Upper

42 100

72 37.6 35.4 53.2

71 30.1 31.4 47.0#



#42

1-Chlorobutane

Concen: 0.477 ug/l

RT: 5.444 min Scan# 1292

Delta R.T. 0.006 min

Lab File: VU063420.D

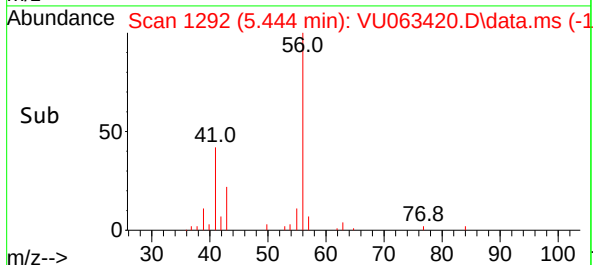
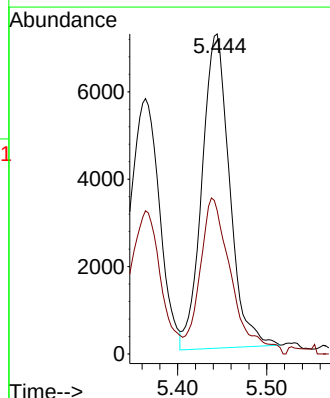
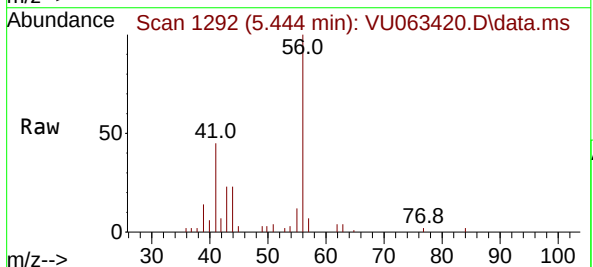
Acq: 23 Jun 2025 10:03

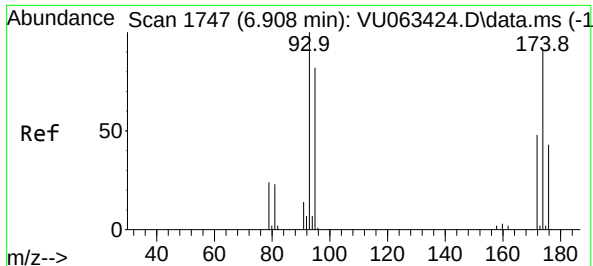
Tgt Ion: 56 Resp: 15523

Ion Ratio Lower Upper

56 100

41 55.9 26.4 79.0

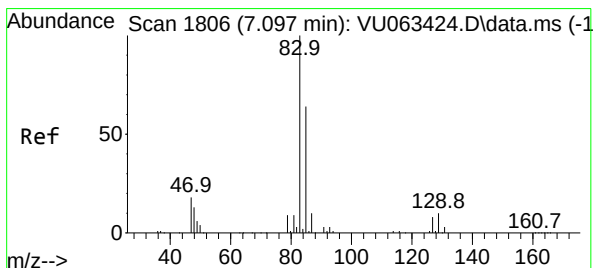
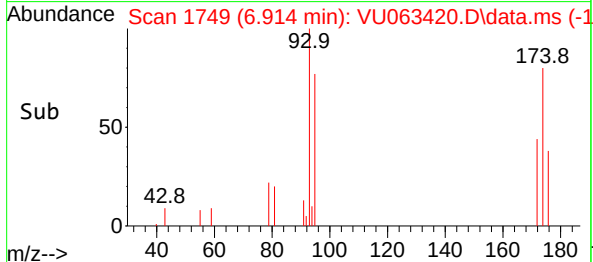
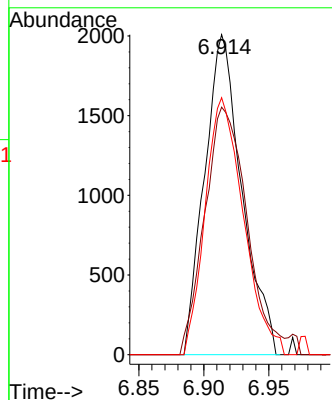
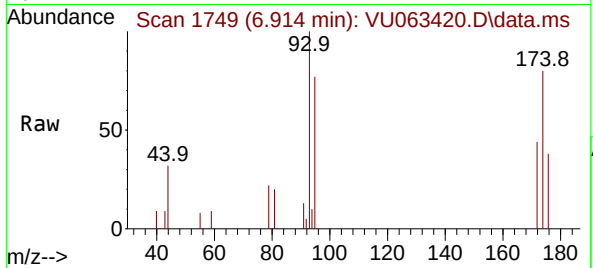




#43
Dibromomethane
Concen: 0.447 ug/l
RT: 6.914 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

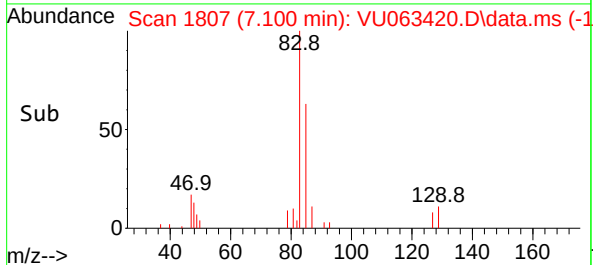
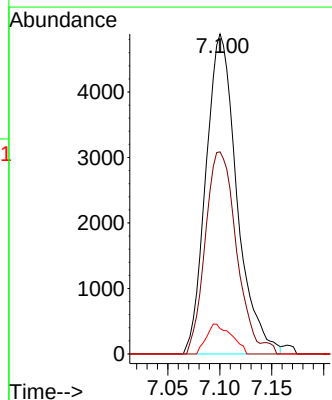
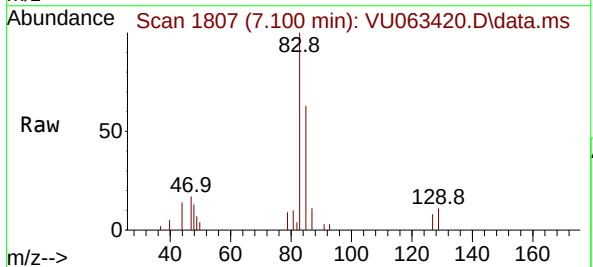
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

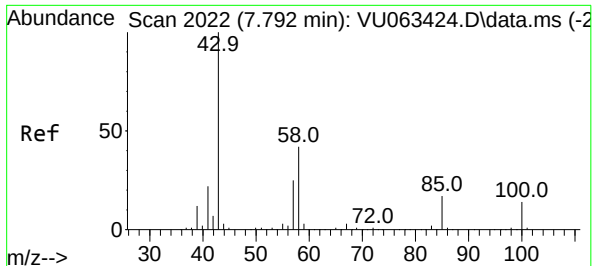
Tgt Ion: 93 Resp: 4006
Ion Ratio Lower Upper
93 100
95 87.8 66.7 100.1
174 82.3 71.1 106.7



#44
Bromodichloromethane
Concen: 0.464 ug/l
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 83 Resp: 10135
Ion Ratio Lower Upper
83 100
85 63.2 51.4 77.2
127 8.0 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 1.937 ug/l

RT: 7.804 min Scan# 2022

Delta R.T. 0.013 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

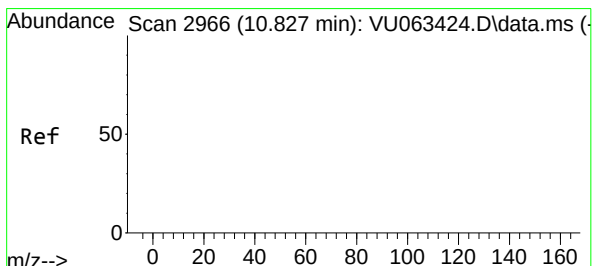
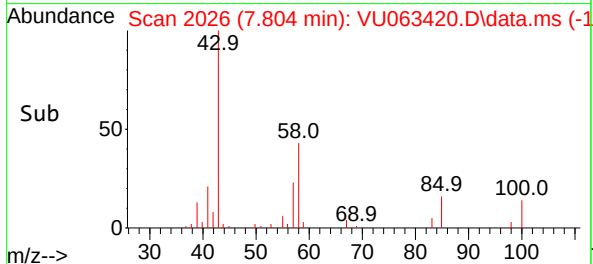
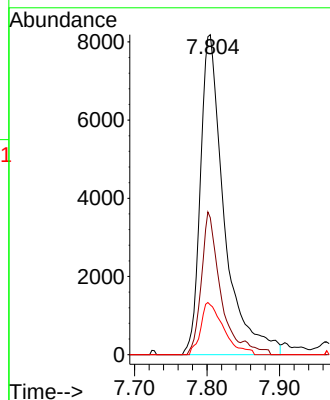
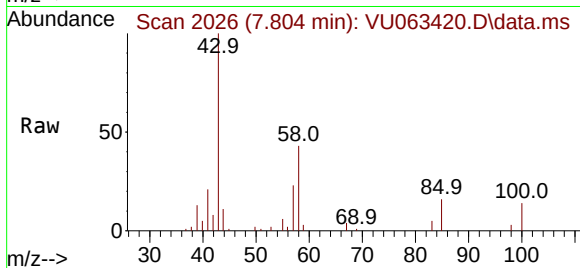
Tgt Ion: 43 Resp: 18627

Ion Ratio Lower Upper

43 100

58 34.2 20.5 61.6

85 15.6 14.2 21.2



#46

t-1,4-Dichloro-2-butene

Concen: 2.639 ug/l

RT: 10.817 min Scan# 2963

Delta R.T. -0.010 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Tgt Ion: 75 Resp: 8101

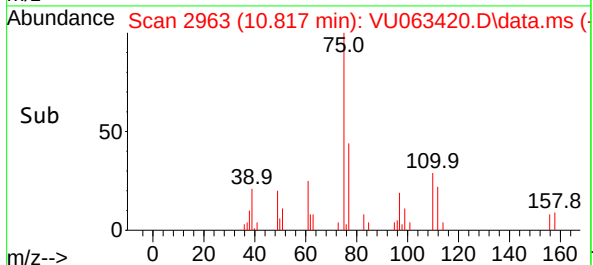
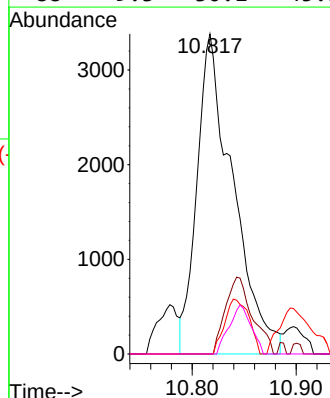
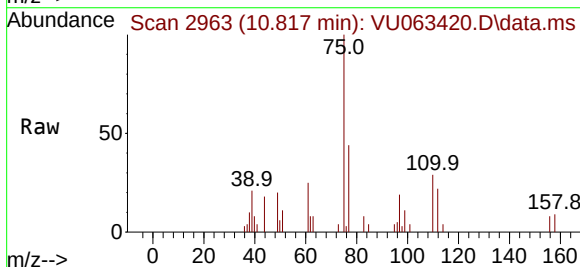
Ion Ratio Lower Upper

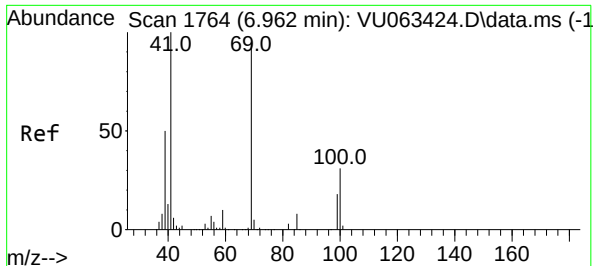
75 100

53 18.1 61.4 92.2#

89 11.6 39.2 58.8#

88 9.3 30.1 45.1#





#47

Methyl methacrylate

Concen: 1.418 ug/l

RT: 6.978 min Scan# 1

Delta R.T. 0.016 min

Lab File: VU063420.D

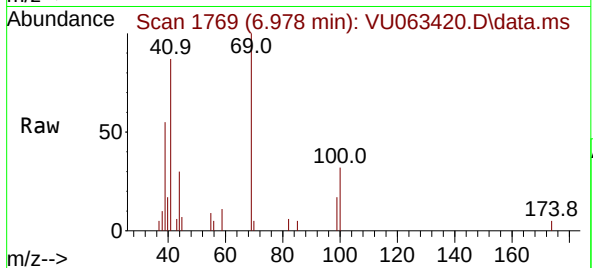
Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5



Tgt Ion: 69 Resp: 4513

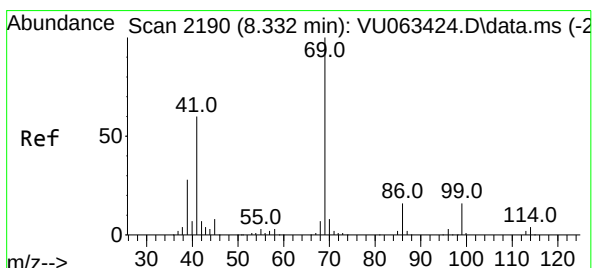
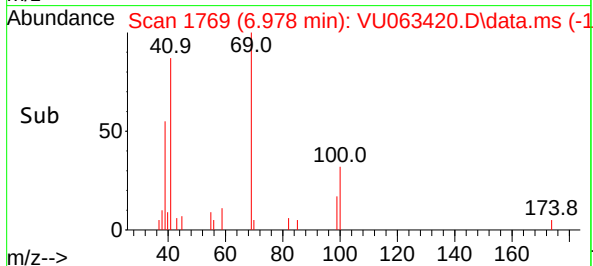
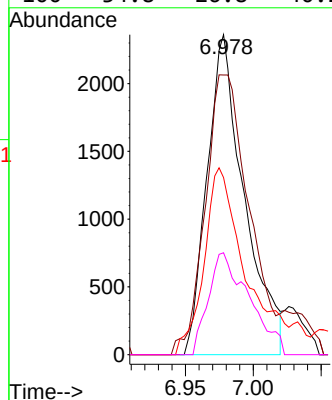
Ion Ratio Lower Upper

69 100

41 102.7 0.0 212.6

39 64.8 40.6 61.0#

100 34.8 26.8 40.2



#48

Ethyl methacrylate

Concen: 0.619 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.006 min

Lab File: VU063420.D

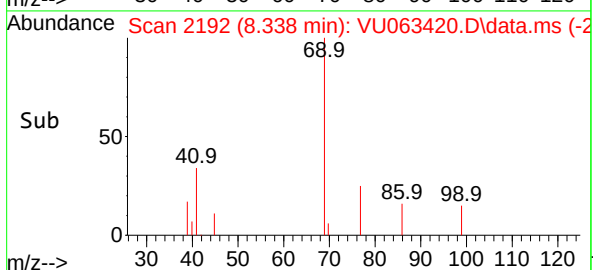
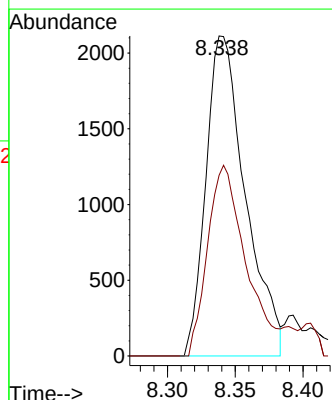
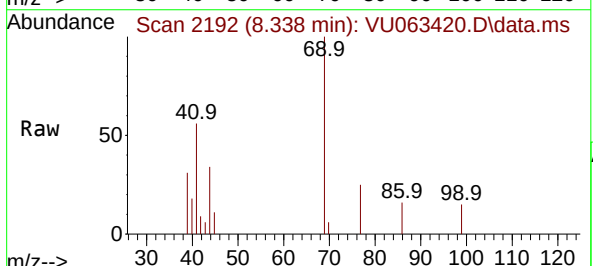
Acq: 23 Jun 2025 10:03

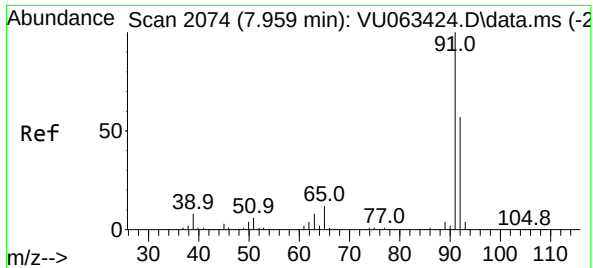
Tgt Ion: 69 Resp: 4290

Ion Ratio Lower Upper

69 100

41 57.9 30.6 92.0





#49

Toluene

Concen: 0.386 ug/l

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

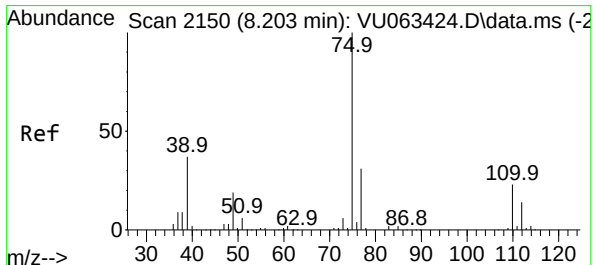
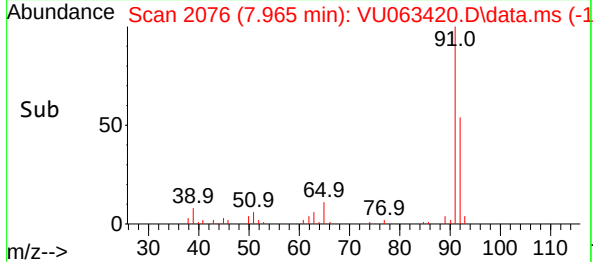
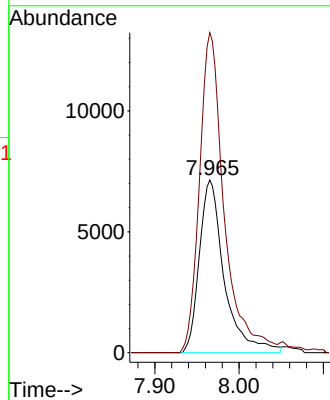
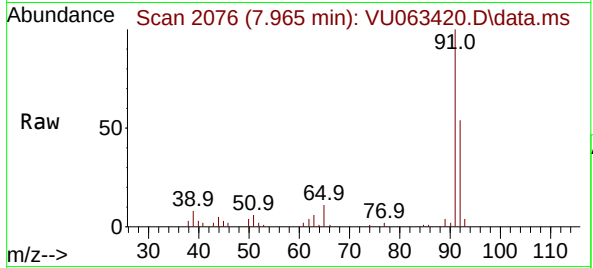
VSTDIC0.5

Tgt Ion: 92 Resp: 14705

Ion Ratio Lower Upper

92 100

91 183.4 142.0 213.0



#50

t-1,3-Dichloropropene

Concen: 0.377 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU063420.D

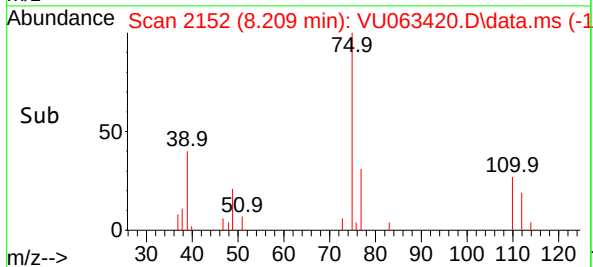
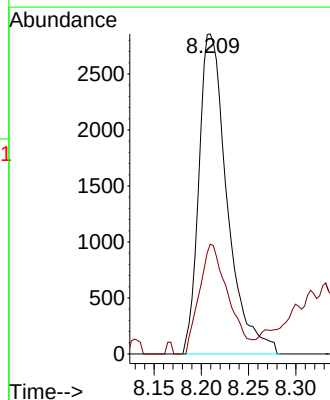
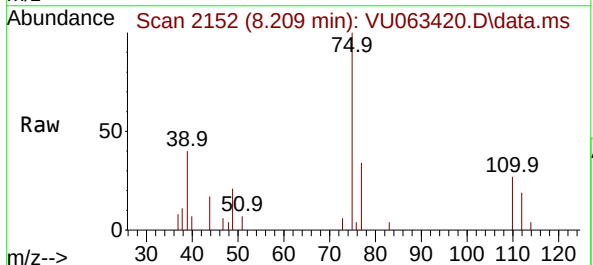
Acq: 23 Jun 2025 10:03

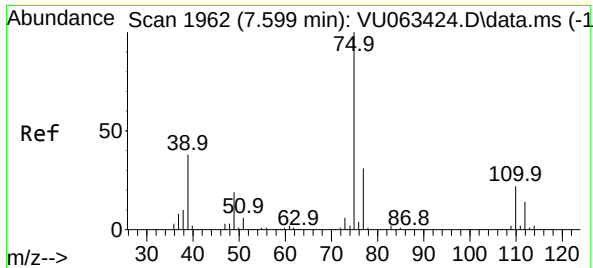
Tgt Ion: 75 Resp: 5938

Ion Ratio Lower Upper

75 100

77 34.3 24.5 36.7





#51

cis-1,3-Dichloropropene

Concen: 0.411 ug/l

RT: 7.605 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

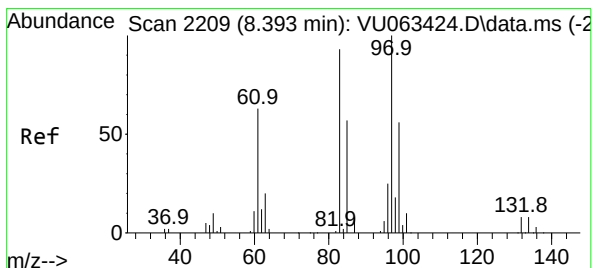
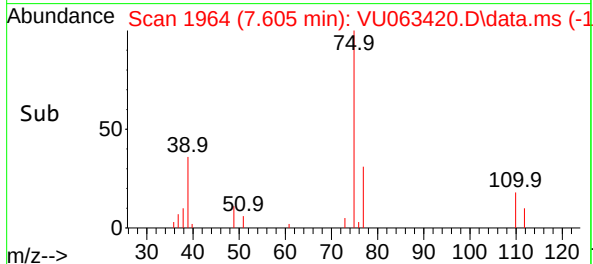
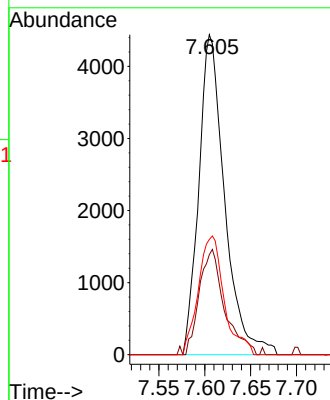
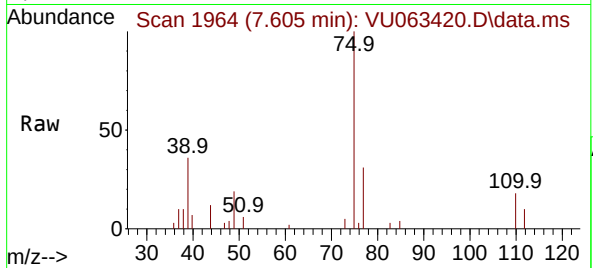
Tgt Ion: 75 Resp: 8686

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 36.0 30.7 46.1



#52

1,1,2-Trichloroethane

Concen: 0.447 ug/l

RT: 8.399 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Tgt Ion: 97 Resp: 5858

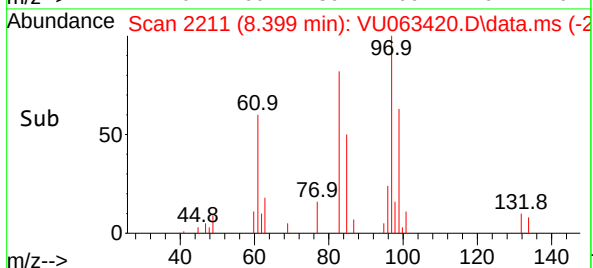
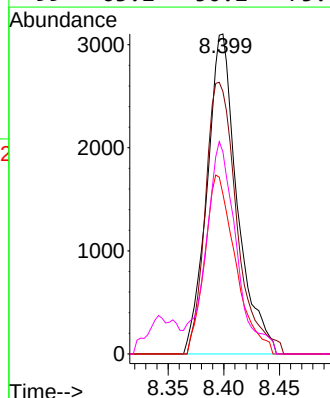
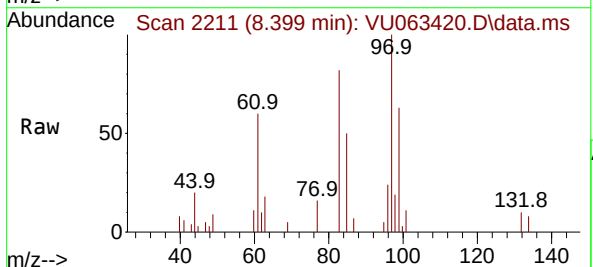
Ion Ratio Lower Upper

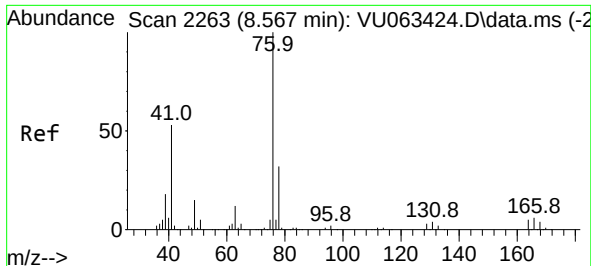
97 100

83 82.0 74.1 111.1

85 49.9 45.8 68.8

99 63.2 50.2 75.4





#53

1,3-Dichloropropane

Concen: 0.423 ug/l

RT: 8.573 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

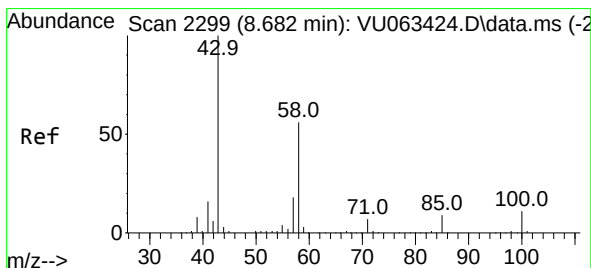
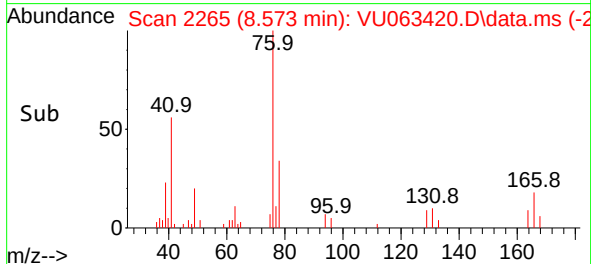
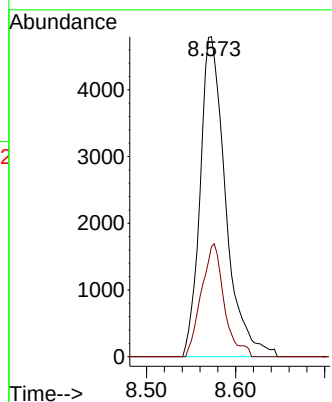
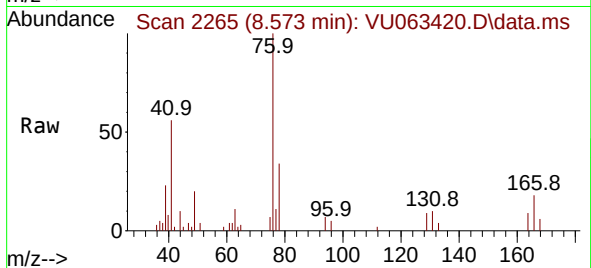
VSTDICC0.5

Tgt Ion: 76 Resp: 9532

Ion Ratio Lower Upper

76 100

78 31.5 25.7 38.5



#54

2-Hexanone

Concen: 2.828 ug/l

RT: 8.698 min Scan# 2304

Delta R.T. 0.016 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

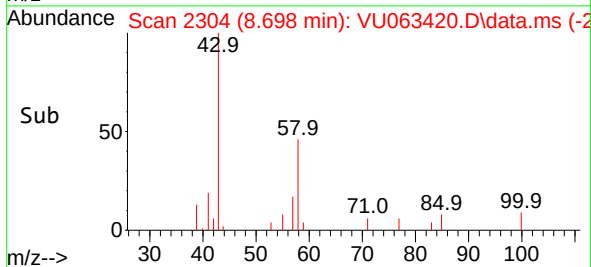
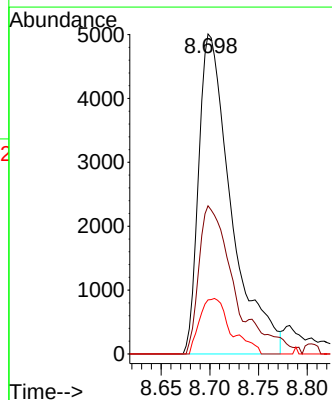
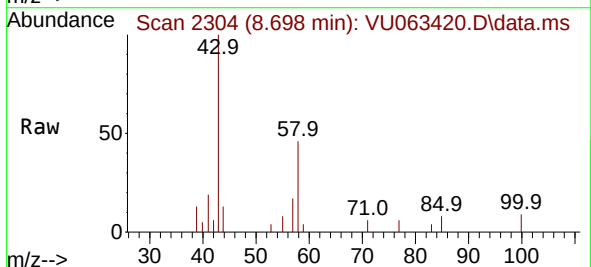
Tgt Ion: 43 Resp: 11598

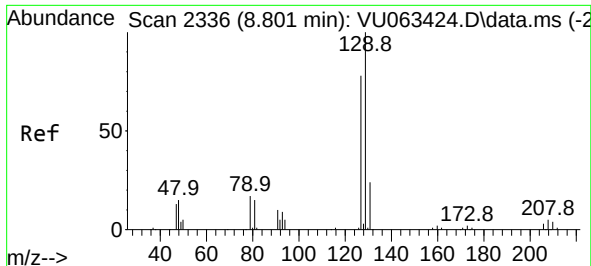
Ion Ratio Lower Upper

43 100

58 42.9 36.9 76.9

57 16.7 0.0 38.8

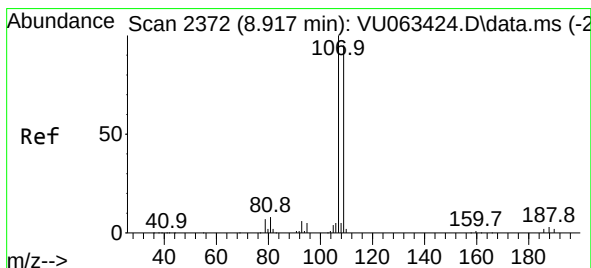
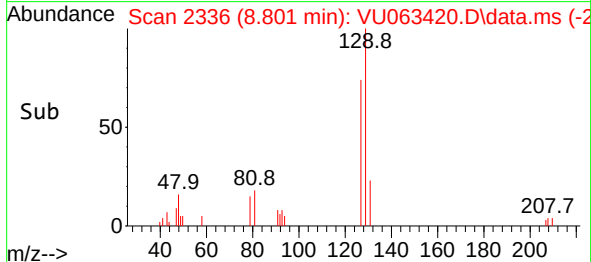
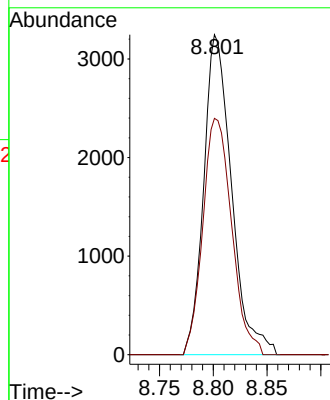
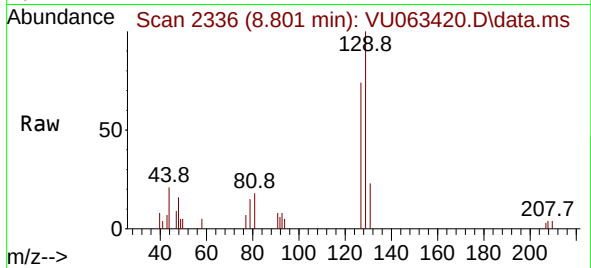




#55
Dibromochloromethane
Concen: 0.433 ug/l
RT: 8.801 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

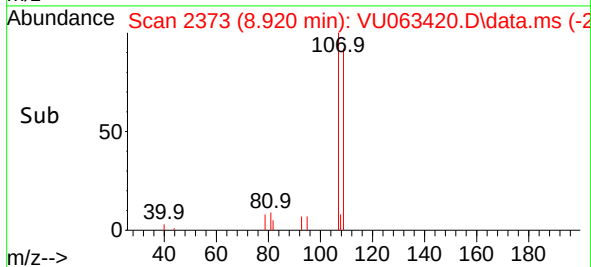
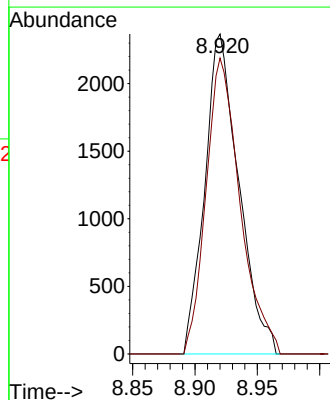
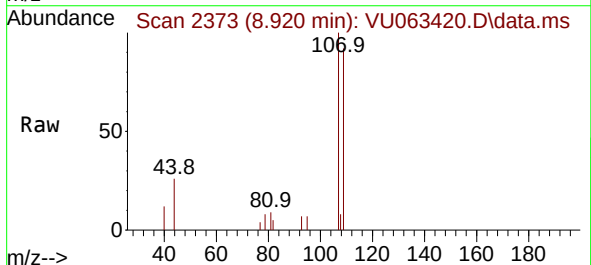
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

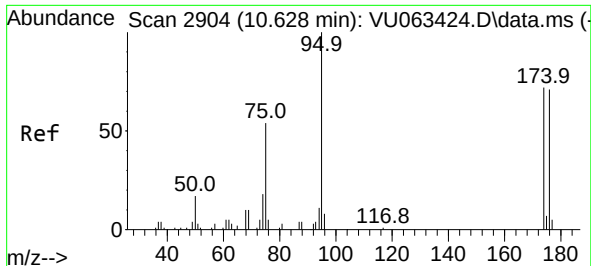
Tgt Ion:129 Resp: 5844
Ion Ratio Lower Upper
129 100
127 76.6 62.6 93.8



#56
1,2-Dibromoethane
Concen: 0.424 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion:107 Resp: 4502
Ion Ratio Lower Upper
107 100
109 92.5 0.0 188.0

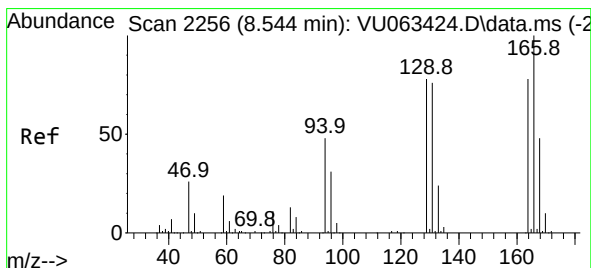
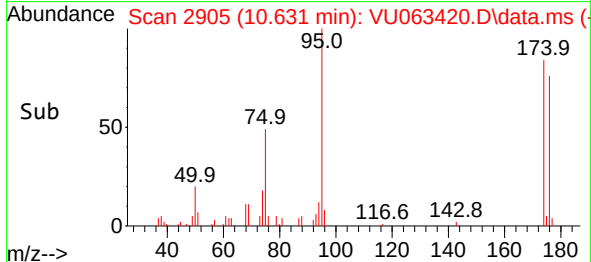
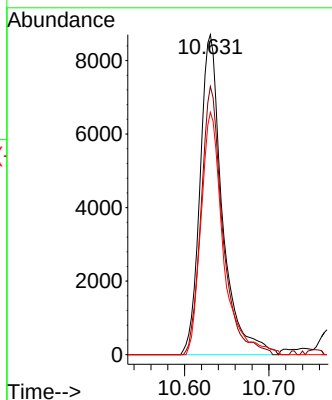
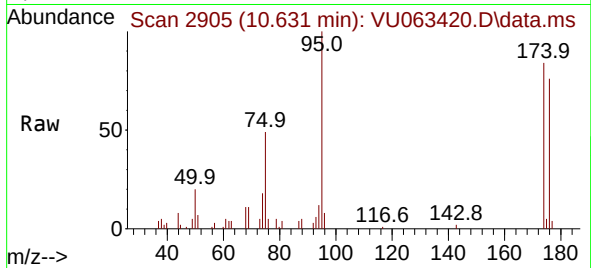




#57
4-Bromofluorobenzene
Concen: 0.821 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

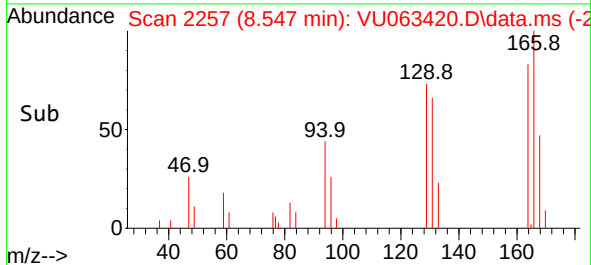
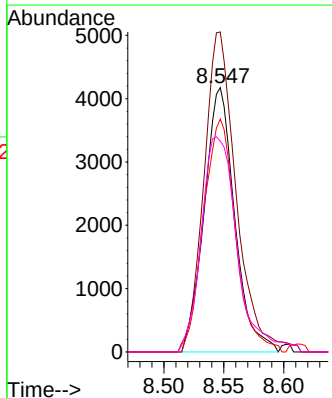
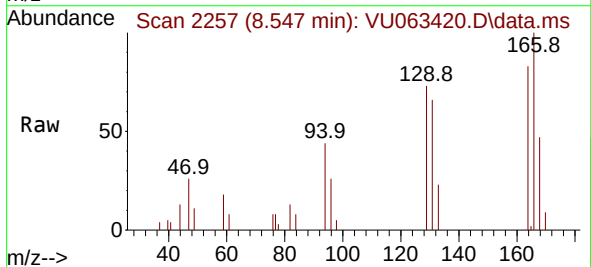
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

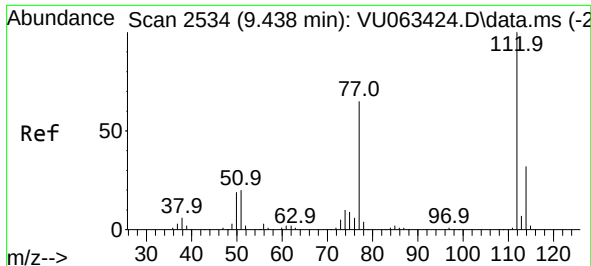
Tgt Ion: 95 Resp: 16064
Ion Ratio Lower Upper
95 100
174 81.4 59.4 89.2
176 75.6 57.8 86.6



#58
Tetrachloroethene
Concen: 0.457 ug/l
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 164 Resp: 7362
Ion Ratio Lower Upper
164 100
166 121.1 102.8 154.2
129 88.1 80.2 120.2
131 79.8 77.9 116.9





#59

Chlorobenzene

Concen: 0.433 ug/l

RT: 9.444 min Scan# 2

Delta R.T. 0.006 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

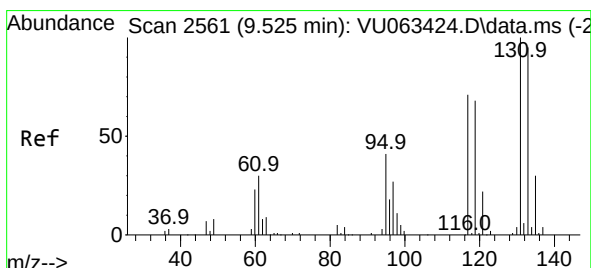
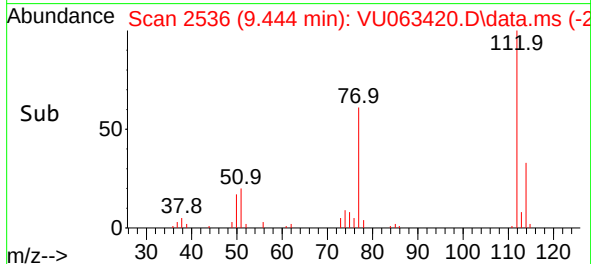
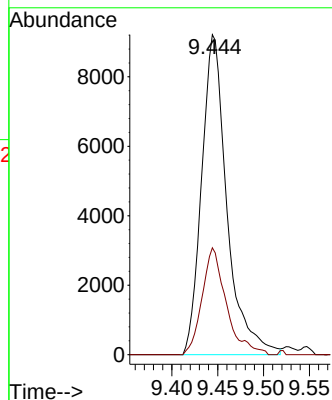
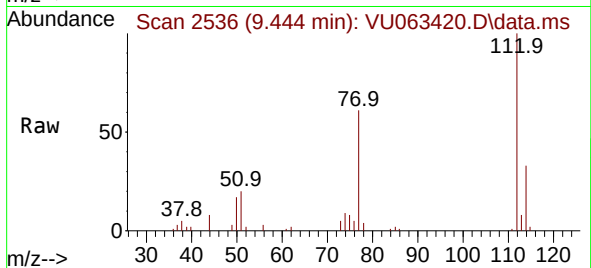
VSTDIC0.5

Tgt Ion:112 Resp: 17682

Ion Ratio Lower Upper

112 100

114 33.4 25.7 38.5



#60

1,1,1,2-Tetrachloroethane

Concen: 0.435 ug/l

RT: 9.528 min Scan# 2562

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

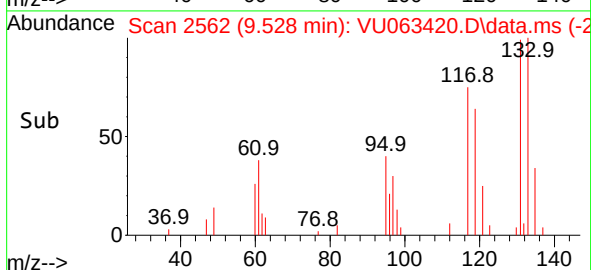
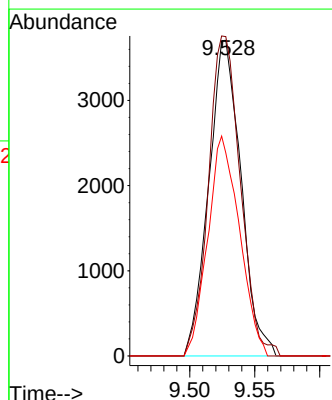
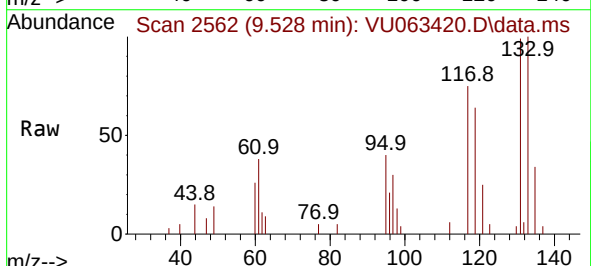
Tgt Ion:131 Resp: 6394

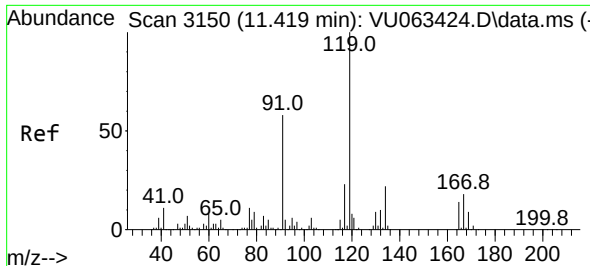
Ion Ratio Lower Upper

131 100

133 100.2 76.1 114.1

119 68.5 53.7 80.5

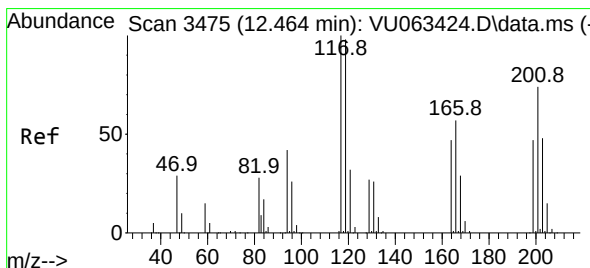
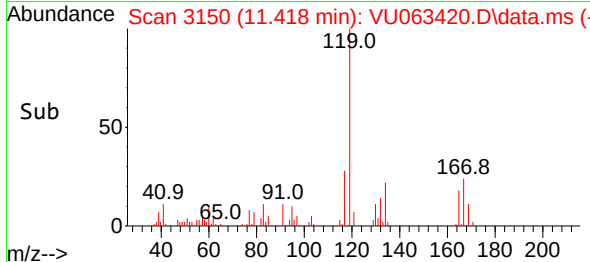
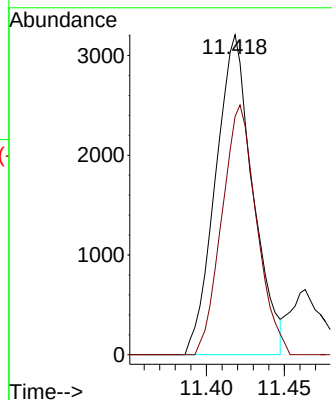
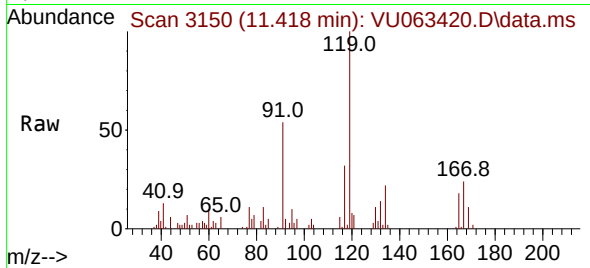




#61
 Pentachloroethane
 Concen: 0.446 ug/l
 RT: 11.418 min Scan# 3150
 Delta R.T. -0.001 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

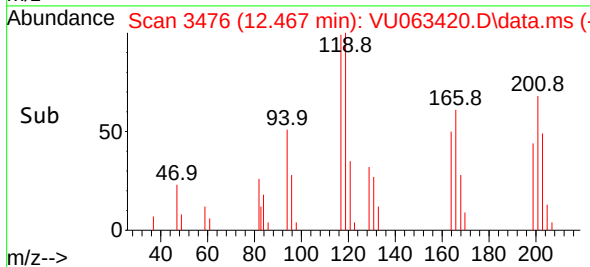
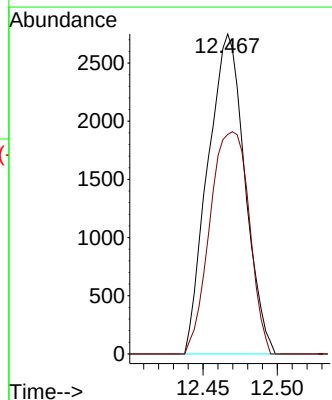
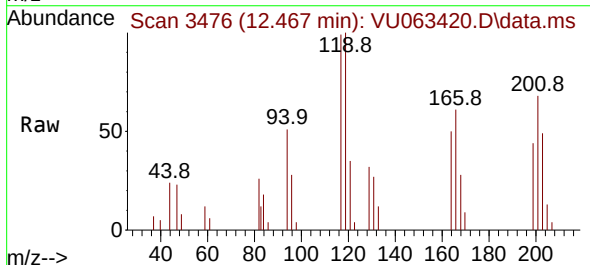
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

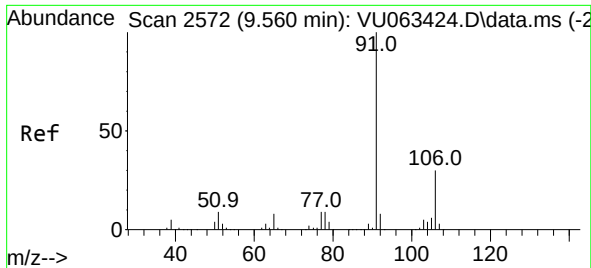
Tgt Ion:117 Resp: 5339
 Ion Ratio Lower Upper
 117 100
 167 72.7 58.1 87.1



#62
 Hexachloroethane
 Concen: 0.443 ug/l
 RT: 12.467 min Scan# 3476
 Delta R.T. 0.003 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

Tgt Ion:117 Resp: 4766
 Ion Ratio Lower Upper
 117 100
 201 73.7 60.4 90.6

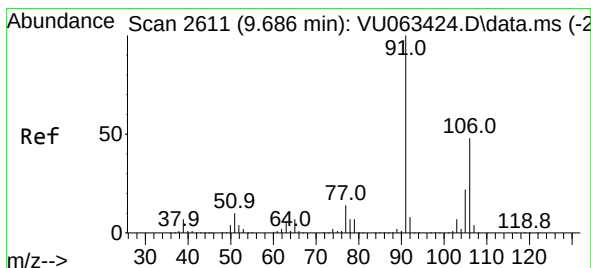
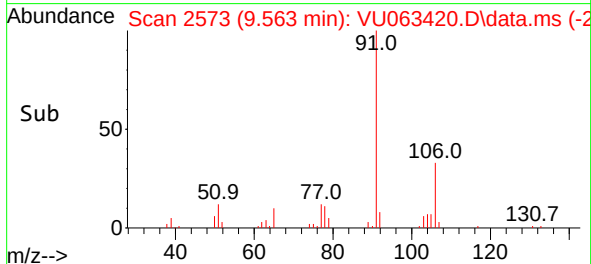
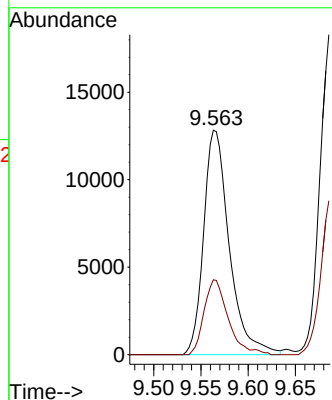
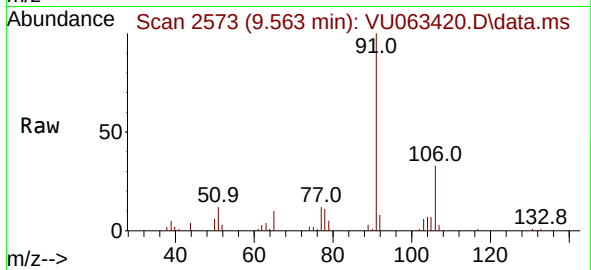




#63
Ethyl Benzene
Concen: 0.370 ug/l
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

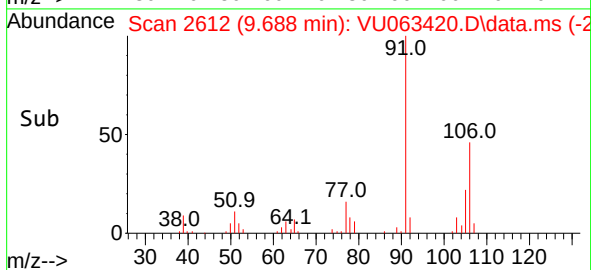
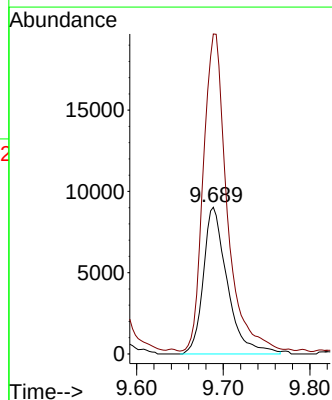
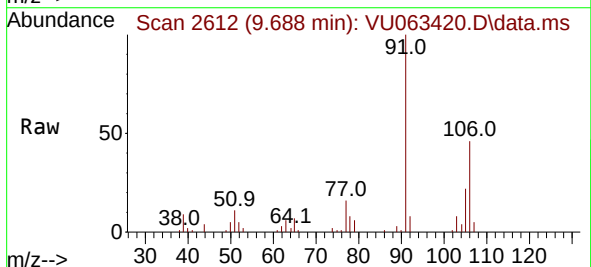
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

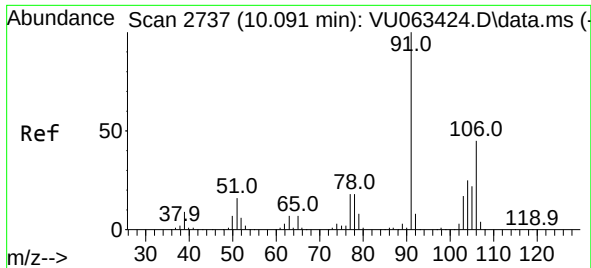
Tgt Ion: 91 Resp: 24226
Ion Ratio Lower Upper
91 100
106 33.3 24.2 36.2



#64
m/p-Xylenes
Concen: 1.327 ug/l
RT: 9.688 min Scan# 2612
Delta R.T. 0.002 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 106 Resp: 17368
Ion Ratio Lower Upper
106 100
91 215.5 169.9 254.9

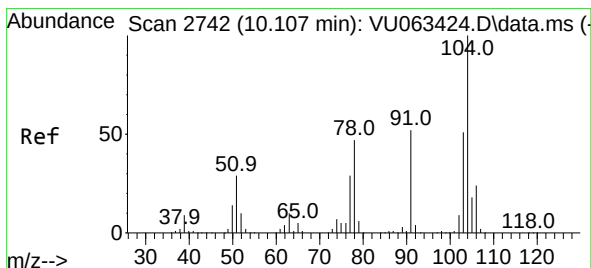
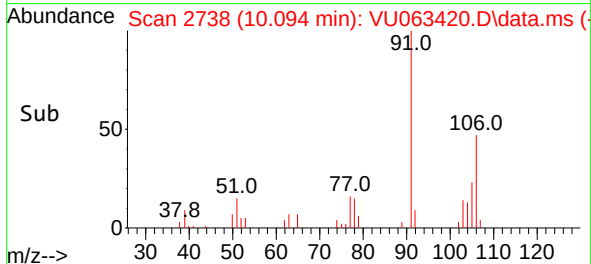
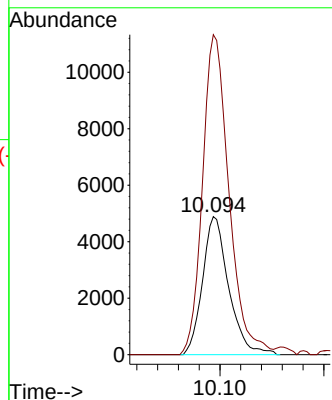
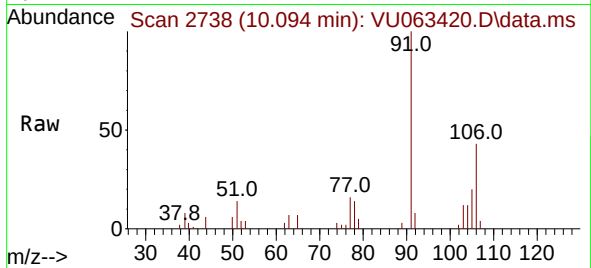




#65
o-Xylene
Concen: 0.343 ug/l
RT: 10.094 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

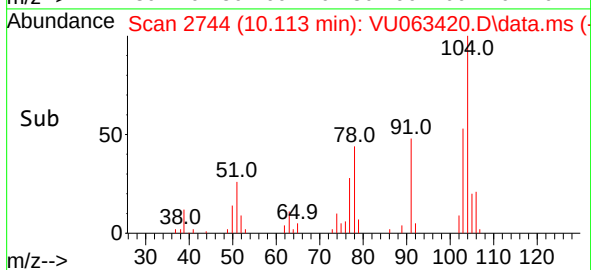
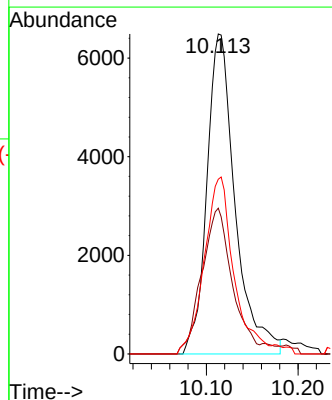
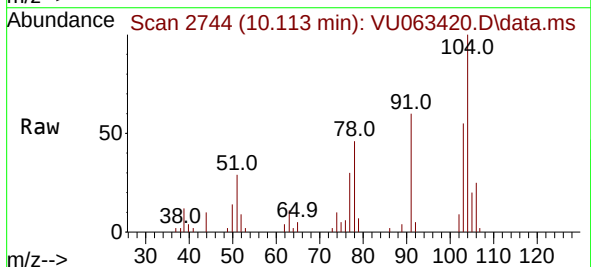
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

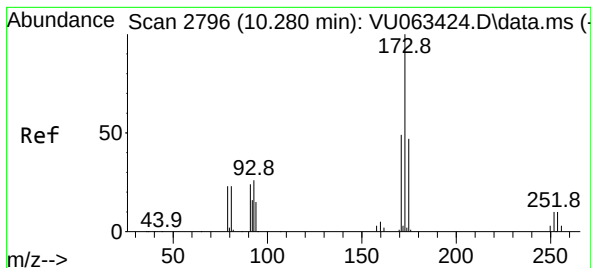
Tgt Ion:106 Resp: 8530
Ion Ratio Lower Upper
106 100
91 234.4 110.8 332.3



#66
Styrene
Concen: 0.681 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion:104 Resp: 13899
Ion Ratio Lower Upper
104 100
78 49.0 41.6 62.4
103 57.5 44.6 67.0





#67

Bromoform

Concen: 0.413 ug/l

RT: 10.283 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

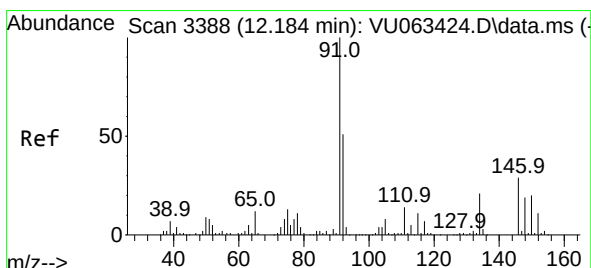
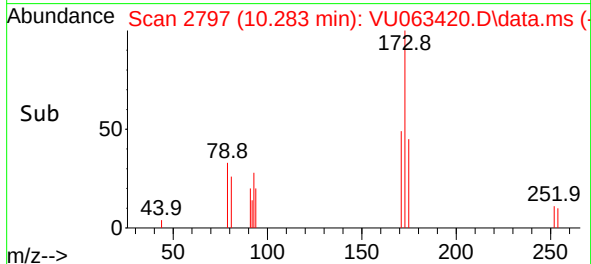
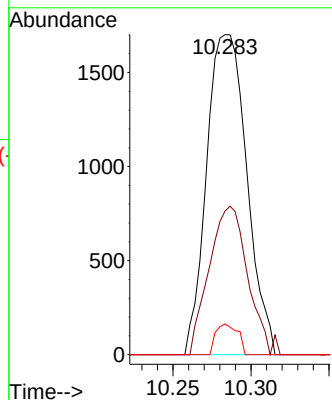
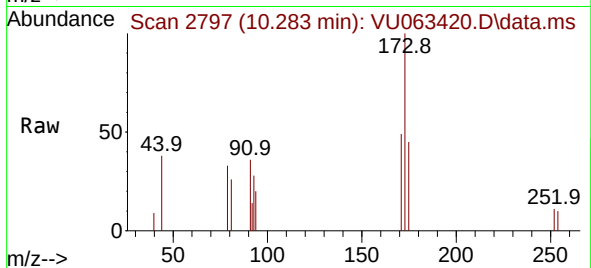
Tgt Ion:173 Resp: 3049

Ion Ratio Lower Upper

173 100

175 44.6 38.2 57.2

254 5.2 7.6 11.4#



#68

1,2-Dichlorobenzene-d4

Concen: 0.832 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. 0.003 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

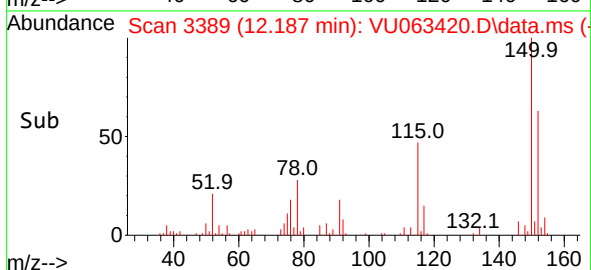
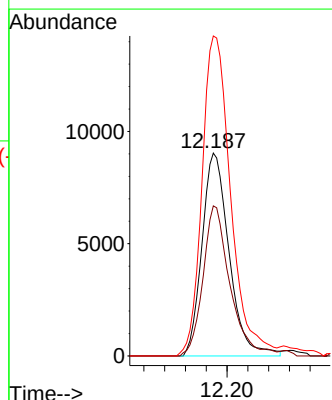
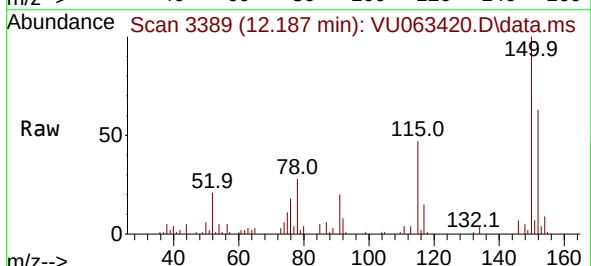
Tgt Ion:152 Resp: 16350

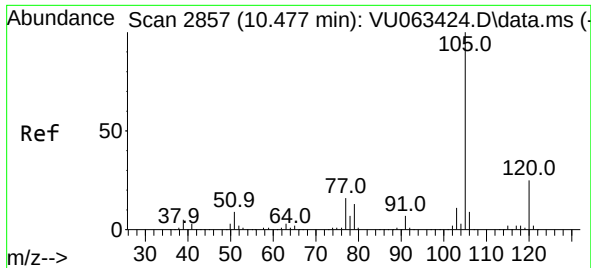
Ion Ratio Lower Upper

152 100

115 73.5 0.0 327.6

150 166.9 0.0 664.4

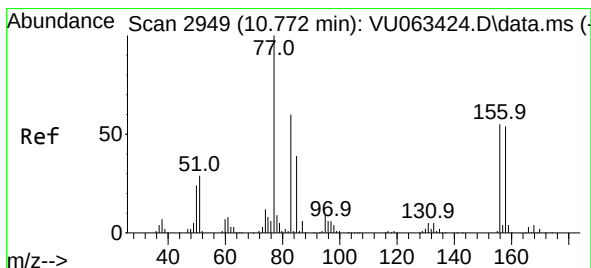
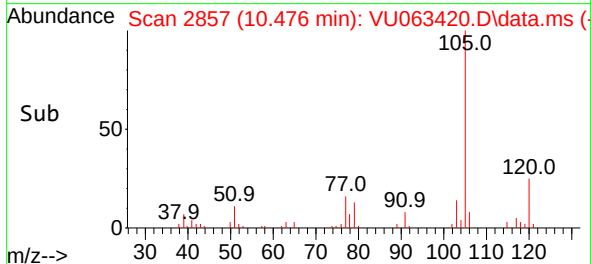
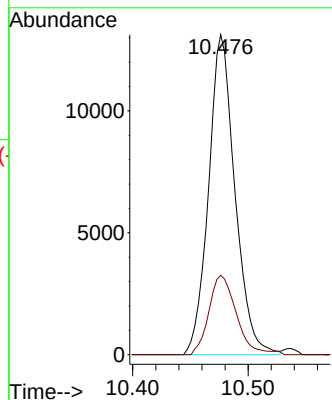
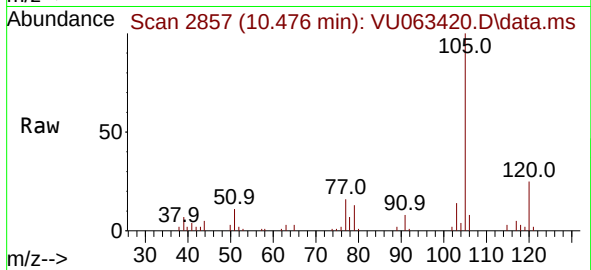




#69
Isopropylbenzene
Concen: 0.362 ug/l
RT: 10.476 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

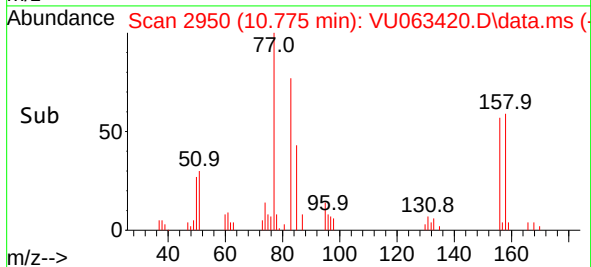
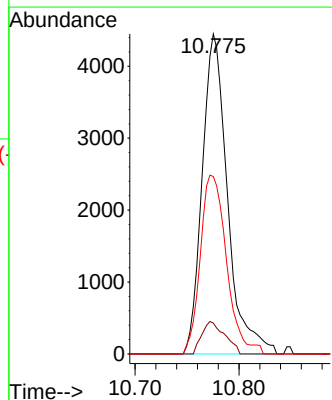
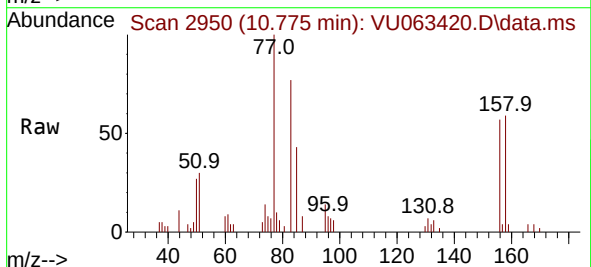
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

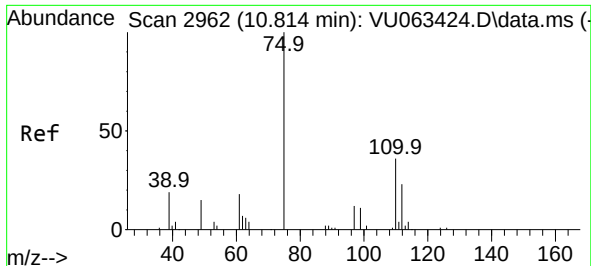
Tgt Ion:105 Resp: 20824
Ion Ratio Lower Upper
105 100
120 25.8 12.7 38.1



#70
1,1,2,2-Tetrachloroethane
Concen: 0.450 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 83 Resp: 7533
Ion Ratio Lower Upper
83 100
131 9.2 7.4 11.0
85 57.9 51.3 76.9

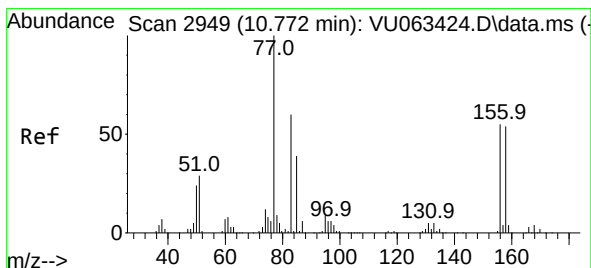
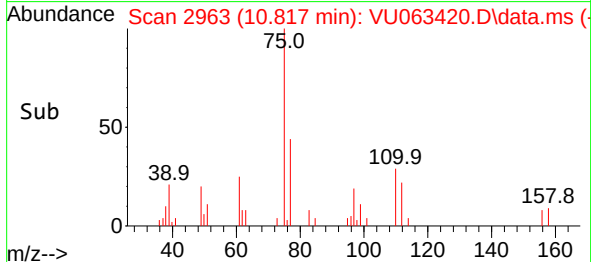
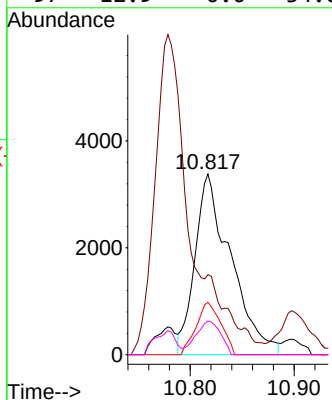
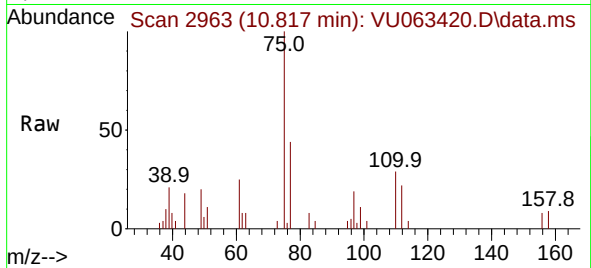




#71
1,2,3-Trichloropropane
Concen: 0.581 ug/l
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

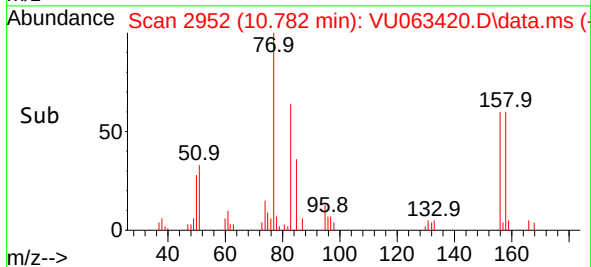
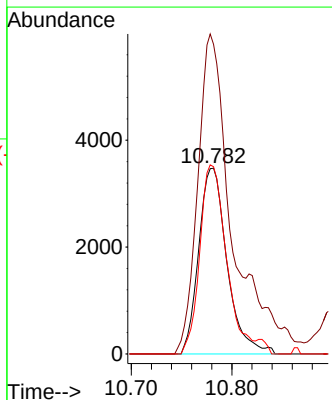
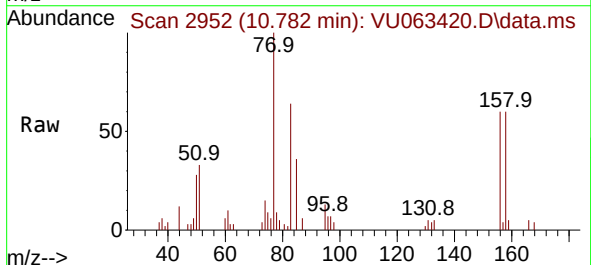
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

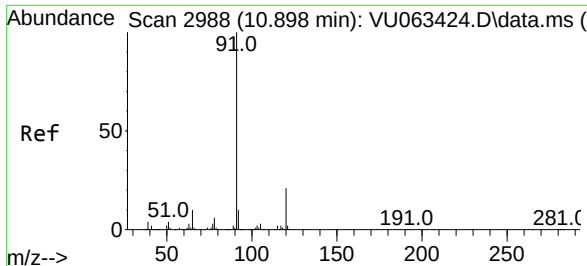
Tgt Ion: 75	Resp:	8101
Ion Ratio	Lower	Upper
75	100	
77	0.0	0.0
110	19.9	63.4
97	12.9	34.0



#72
Bromobenzene
Concen: 0.421 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.010 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 156	Resp:	6800
Ion Ratio	Lower	Upper
156	100	
77	213.0	416.2
158	95.9	190.6

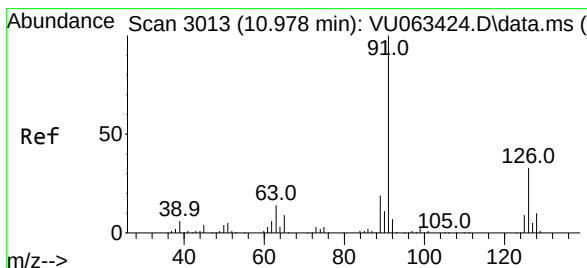
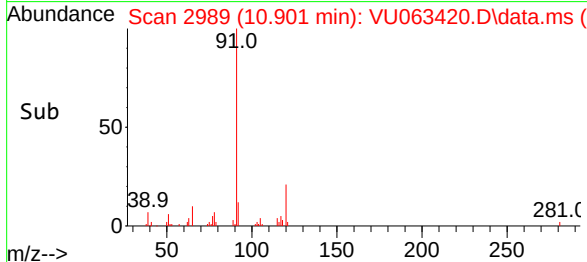
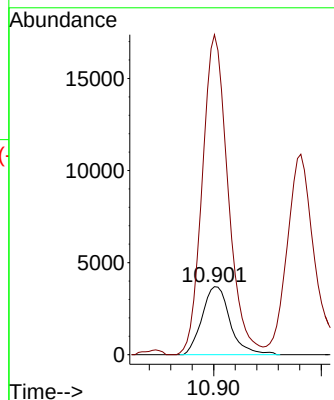
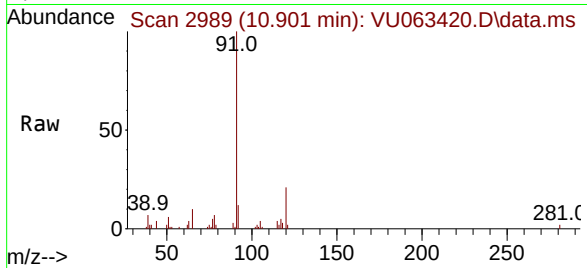




#73
n-propylbenzene
Concen: 0.673 ug/l
RT: 10.901 min Scan# 2989
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

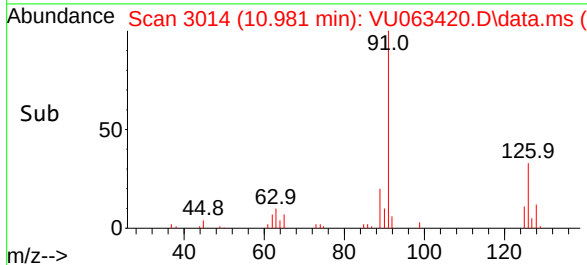
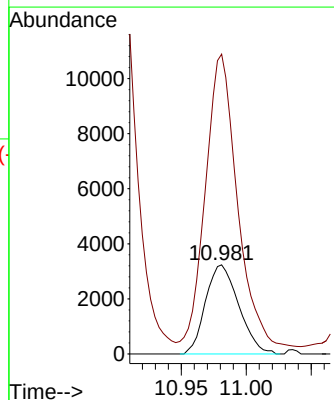
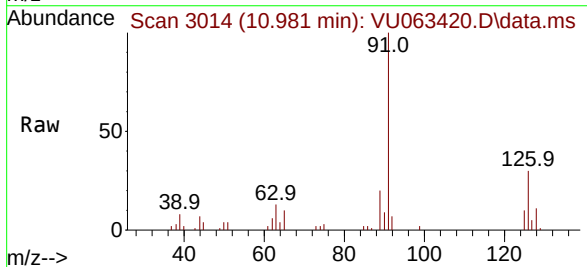
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

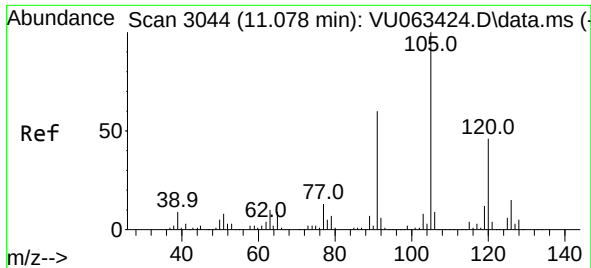
Tgt Ion:120 Resp: 6677
Ion Ratio Lower Upper
120 100
91 433.0 373.7 560.5



#74
2-Chlorotoluene
Concen: 0.360 ug/l
RT: 10.981 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion:126 Resp: 5744
Ion Ratio Lower Upper
126 100
91 325.5 0.0 650.8

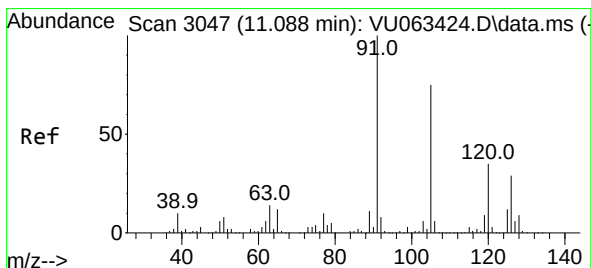
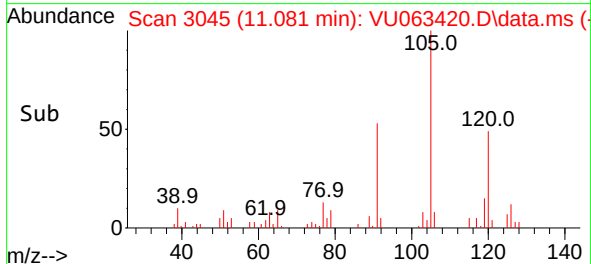
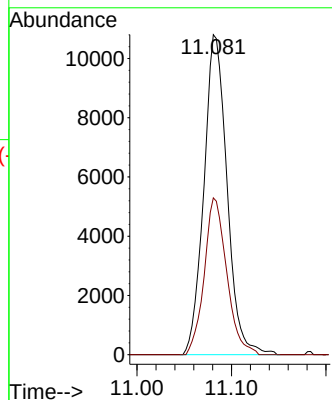
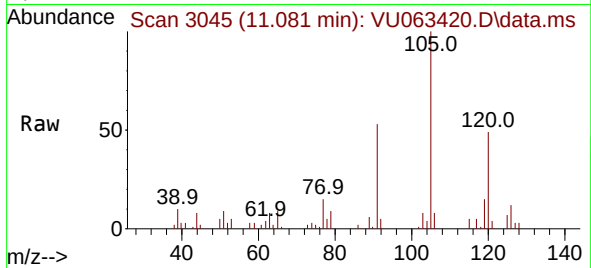




#75
1,3,5-Trimethylbenzene
Concen: 0.635 ug/l
RT: 11.081 min Scan# 3044
Delta R.T. 0.003 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

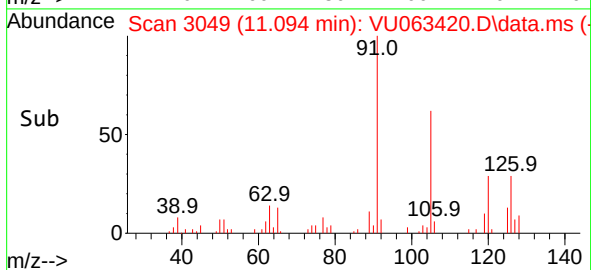
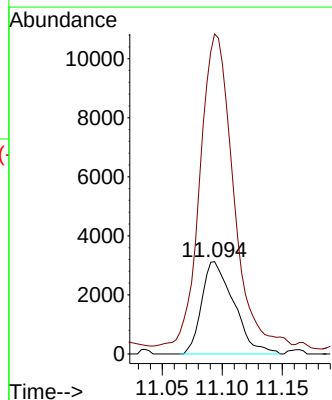
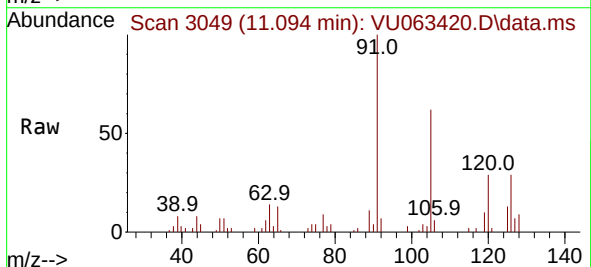
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

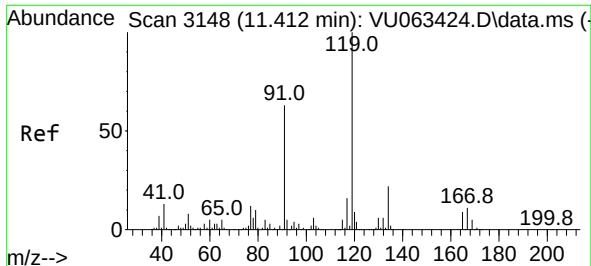
Tgt Ion:105 Resp: 18407
Ion Ratio Lower Upper
105 100
120 47.5 37.0 55.4



#76
4-Chlorotoluene
Concen: 0.348 ug/l
RT: 11.094 min Scan# 3049
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion:126 Resp: 5825
Ion Ratio Lower Upper
126 100
91 350.8 0.0 713.2

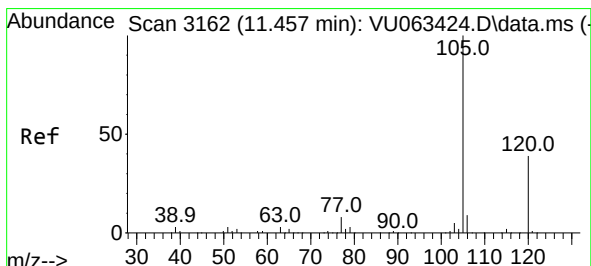
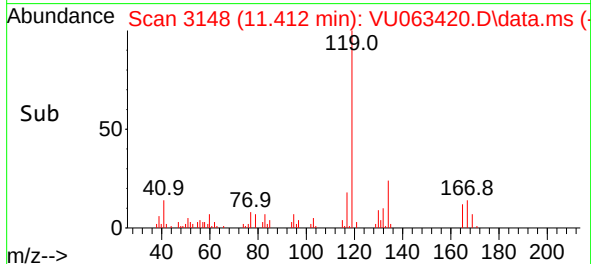
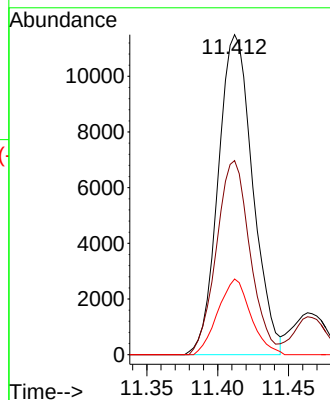
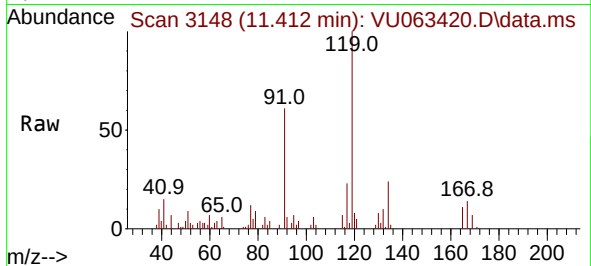




#77
tert-Butylbenzene
Concen: 0.369 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

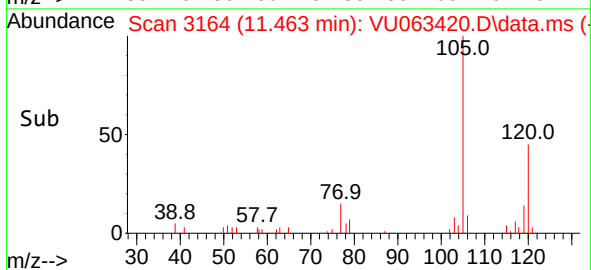
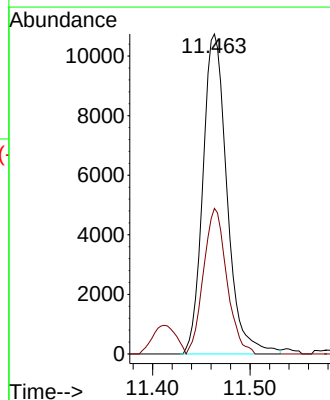
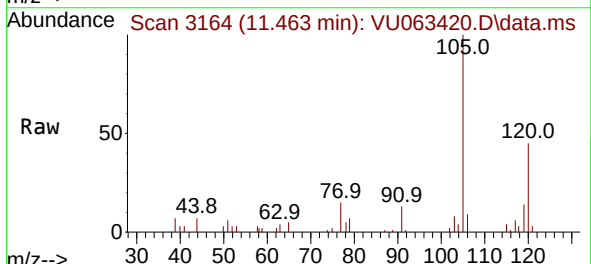
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

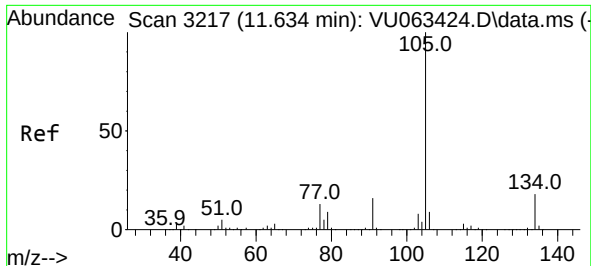
Tgt Ion:119 Resp: 19530
Ion Ratio Lower Upper
119 100
91 58.8 30.9 92.7
134 22.5 17.9 26.9



#78
1,2,4-Trimethylbenzene
Concen: 0.673 ug/l
RT: 11.463 min Scan# 3164
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion:105 Resp: 18507
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5

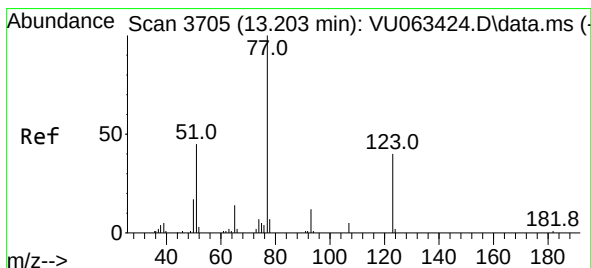
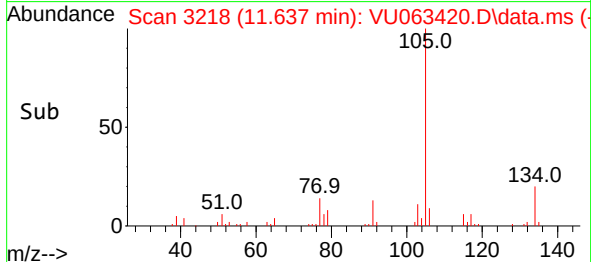
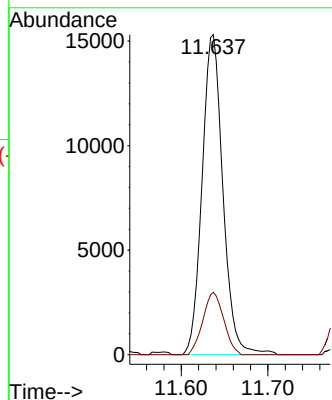
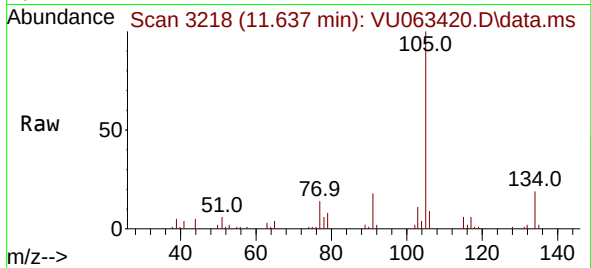




#79
 sec-Butylbenzene
 Concen: 0.341 ug/l
 RT: 11.637 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

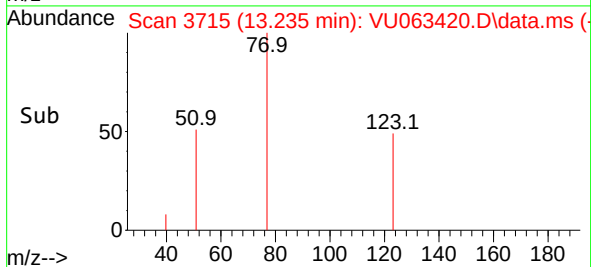
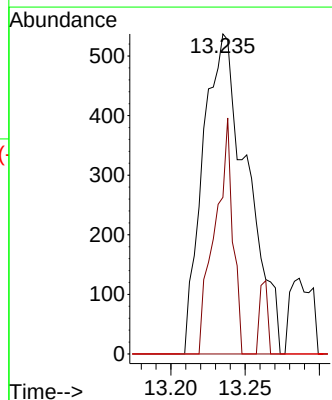
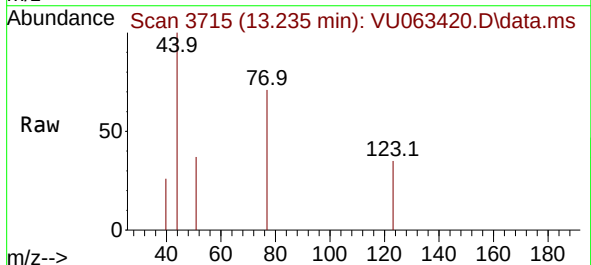
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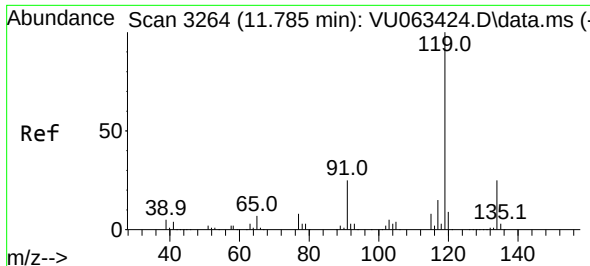
Tgt Ion:105 Resp: 25558
 Ion Ratio Lower Upper
 105 100
 134 19.5 14.8 22.2



#80
 Nitrobenzene
 Concen: 2.748 ug/l
 RT: 13.235 min Scan# 3715
 Delta R.T. 0.032 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

Tgt Ion: 77 Resp: 1117
 Ion Ratio Lower Upper
 77 100
 123 29.6 19.6 69.6
 65 0.0 10.6 13.4#

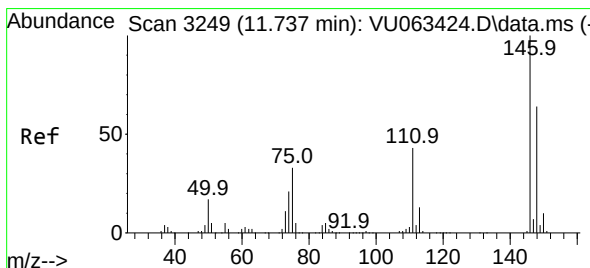
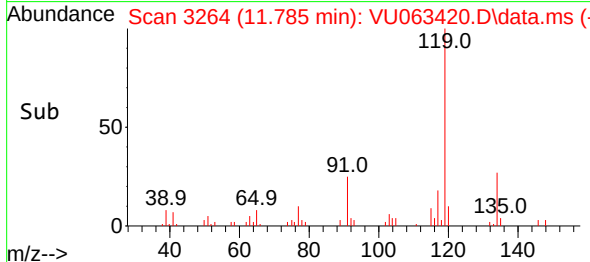
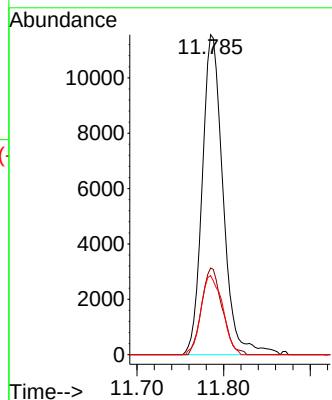
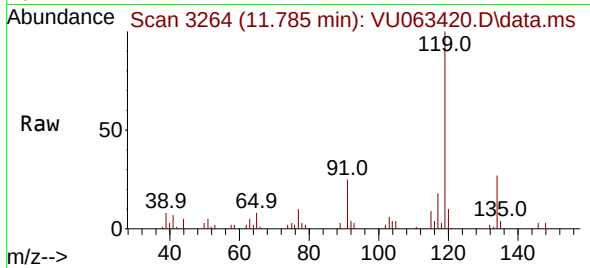




#81
p-Isopropyltoluene
Concen: 0.669 ug/l
RT: 11.785 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

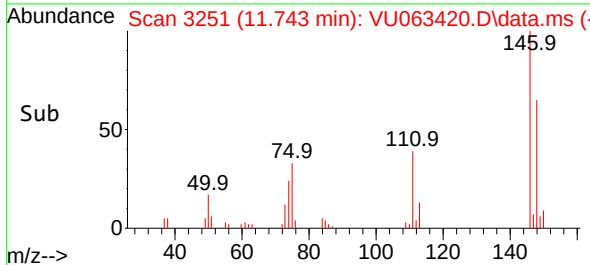
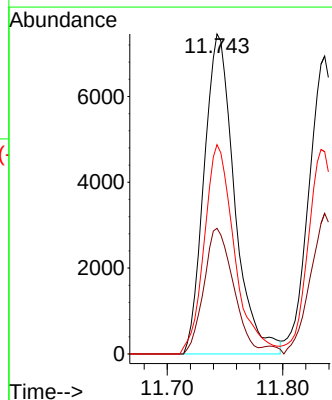
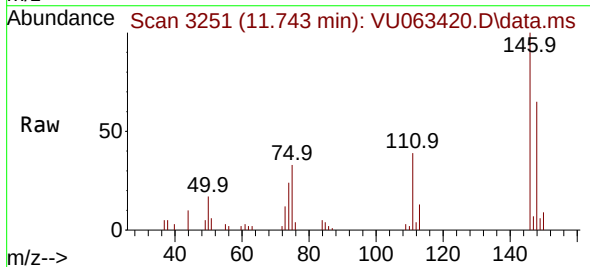
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

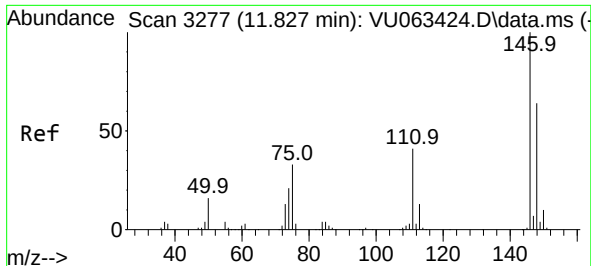
Tgt Ion:119 Resp: 19267
Ion Ratio Lower Upper
119 100
134 26.9 20.2 30.2
91 25.7 19.7 29.5



#82
1,3-Dichlorobenzene
Concen: 0.407 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion:146 Resp: 13634
Ion Ratio Lower Upper
146 100
111 37.9 34.3 51.5
148 65.1 51.0 76.4

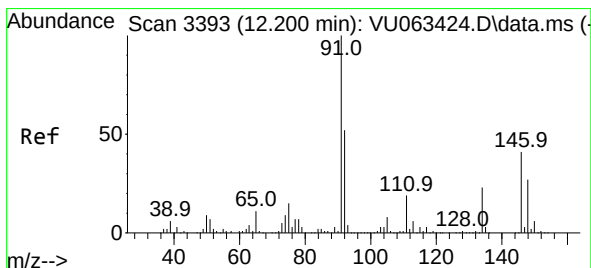
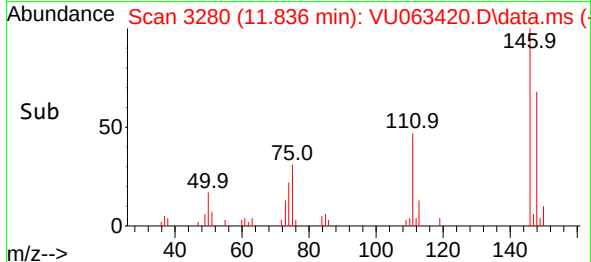
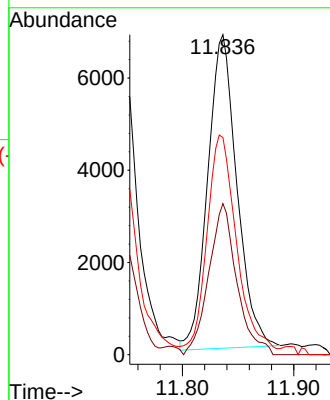
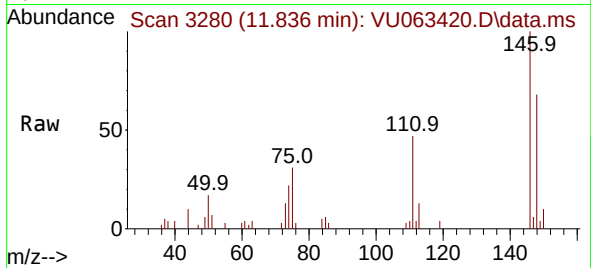




#83
1,4-Dichlorobenzene
Concen: 0.356 ug/l
RT: 11.836 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

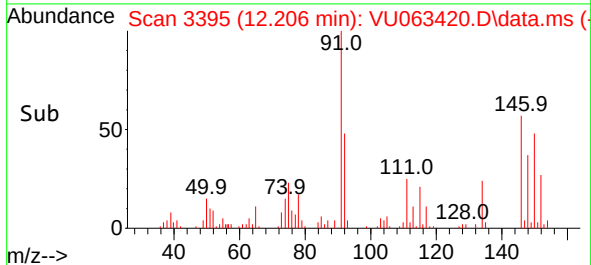
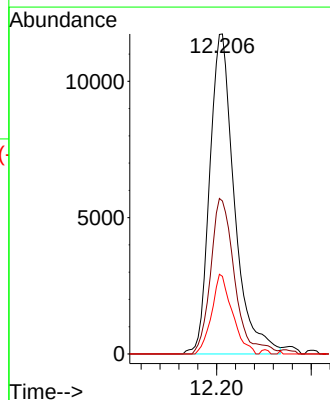
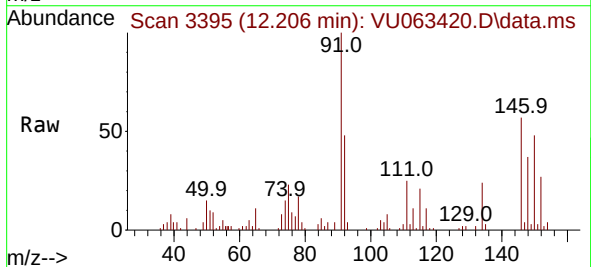
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

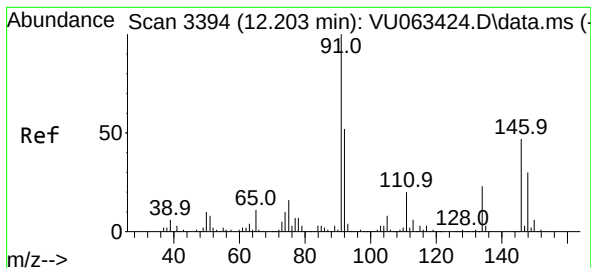
Tgt Ion:146 Resp: 12369
Ion Ratio Lower Upper
146 100
111 46.2 31.7 47.5
148 68.2 51.4 77.0



#84
n-Butylbenzene
Concen: 0.346 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VU063420.D
Acq: 23 Jun 2025 10:03

Tgt Ion: 91 Resp: 21251
Ion Ratio Lower Upper
91 100
92 47.2 41.0 61.6
134 20.9 18.5 27.7





#85

1,2-Dichlorobenzene

Concen: 0.399 ug/l

RT: 12.209 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

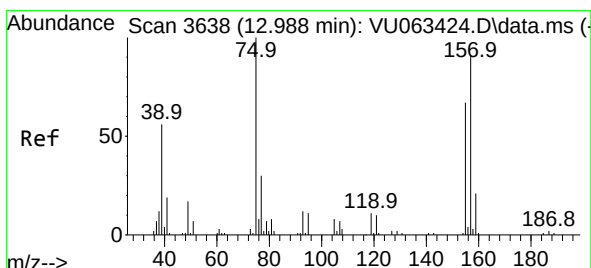
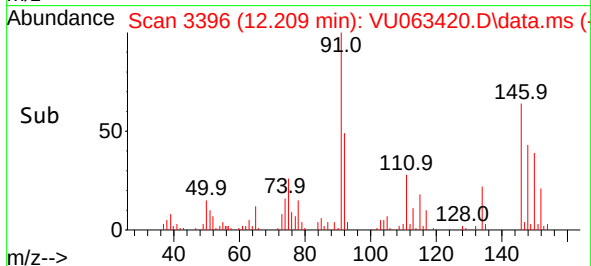
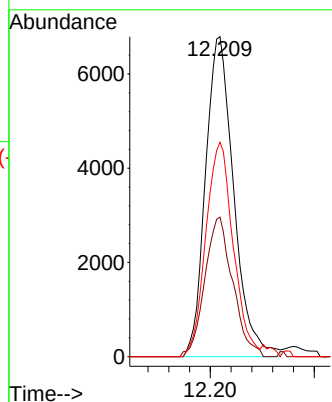
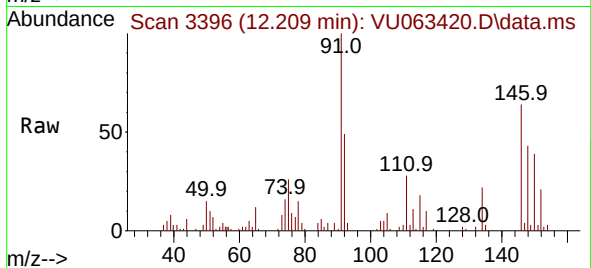
Tgt Ion:146 Resp: 12791

Ion Ratio Lower Upper

146 100

111 43.0 21.8 65.4

148 65.0 32.3 96.9



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.391 ug/l

RT: 12.987 min Scan# 3638

Delta R.T. -0.001 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

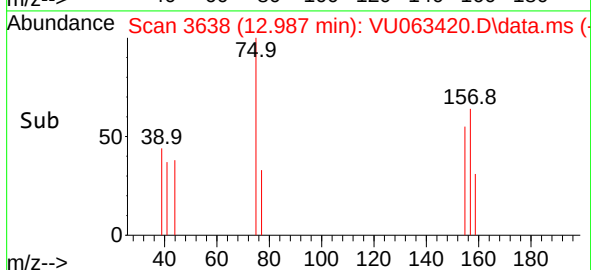
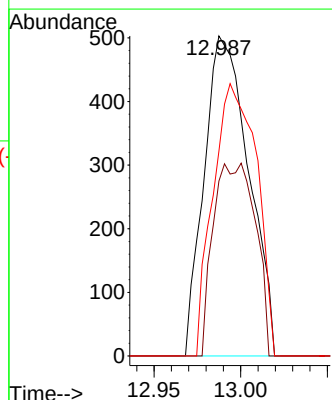
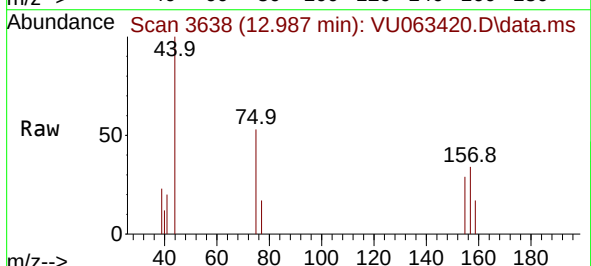
Tgt Ion: 75 Resp: 900

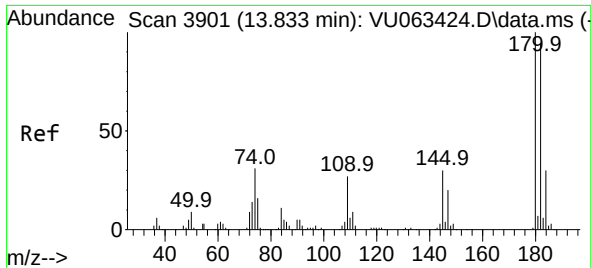
Ion Ratio Lower Upper

75 100

155 56.8 59.7 89.5#

157 83.1 75.0 112.4

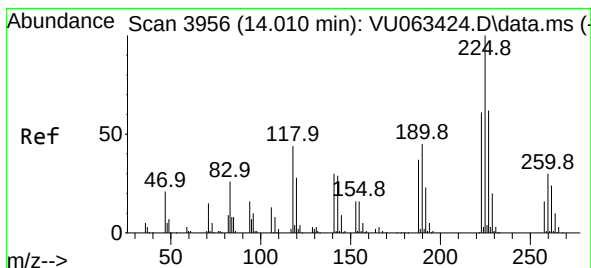
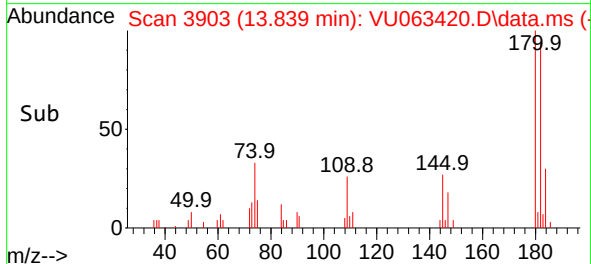
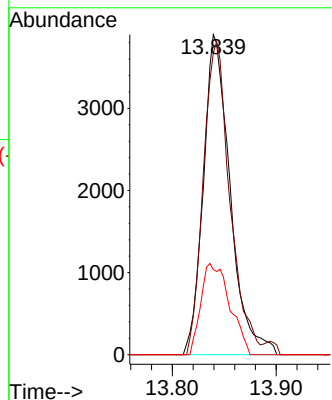
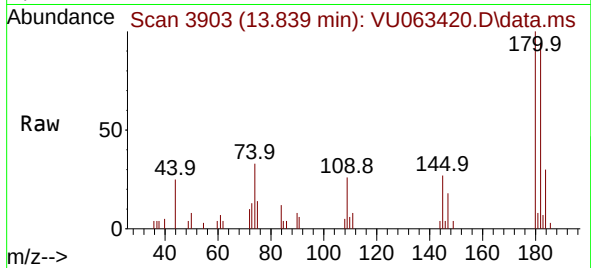




#87
 1,2,4-Trichlorobenzene
 Concen: 0.391 ug/l
 RT: 13.839 min Scan# 3901
 Delta R.T. 0.006 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

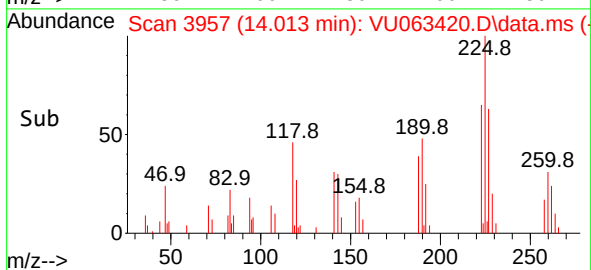
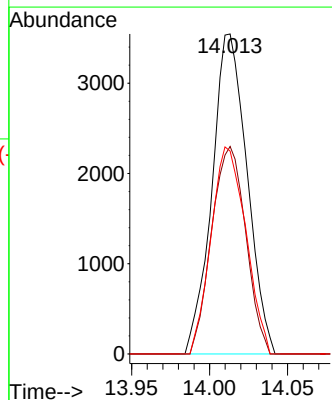
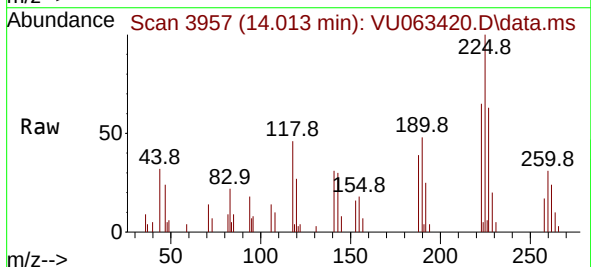
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

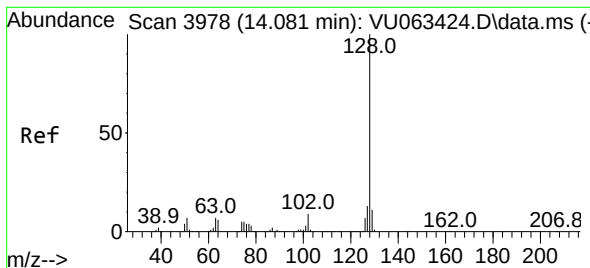
Tgt Ion:180 Resp: 6988
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.6 113.4
 145 30.5 24.6 36.8



#88
 Hexachlorobutadiene
 Concen: 0.438 ug/l
 RT: 14.013 min Scan# 3957
 Delta R.T. 0.003 min
 Lab File: VU063420.D
 Acq: 23 Jun 2025 10:03

Tgt Ion:225 Resp: 5542
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.0 75.0
 227 64.3 51.5 77.3





#89

Naphthalene

Concen: 1.141 ug/l

RT: 14.093 min Scan# 3978

Delta R.T. 0.012 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

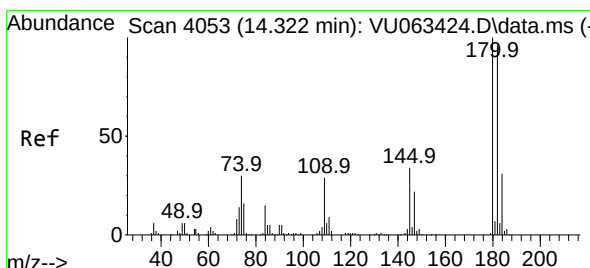
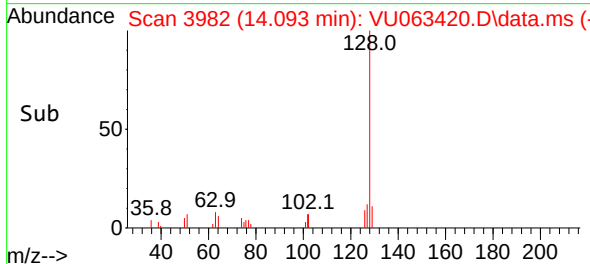
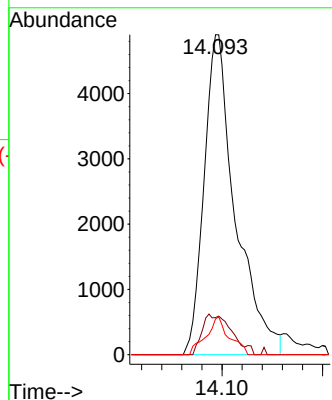
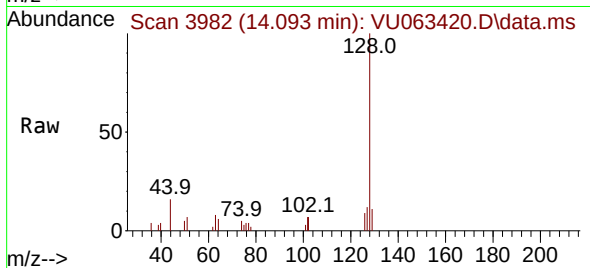
Tgt Ion:128 Resp: 10589

Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

129 8.7 8.7 13.1



#90

1,2,3-Trichlorobenzene

Concen: 0.364 ug/l

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU063420.D

Acq: 23 Jun 2025 10:03

Tgt Ion:180 Resp: 6460

Ion Ratio Lower Upper

180 100

182 96.1 76.7 115.1

145 36.5 27.4 41.2

