

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112025\
 Data File : VU063752.D
 Acq On : 20 Nov 2025 11:10
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

Quant Time: Nov 21 04:16:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 21 04:14:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	160598	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	165548	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	108538	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	88380	5.157	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 103.200%		
7) Chloroethane-d5	1.895	69	81198	5.505	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 110.200%		
11) 1,1-Dichloroethene-d2	2.544	65	42266	5.366	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 107.400%		
20) 2-Butanone-d5	4.592	46	158838	53.359	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 106.720%		
24) Chloroform-d	5.030	84	201440	5.650	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 113.000%		
26) 1,2-Dichloroethane-d4	5.673	65	98999	5.385	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 107.600%		
32) Benzene-d6	5.698	84	384311	5.564	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 111.200%		
36) 1,2-Dichloropropane-d6	6.660	67	109524	5.611	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 112.200%		
41) Toluene-d8	7.872	98	361563	5.429	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 108.600%		
43) trans-1,3-Dichloroprop...	8.155	79	35447	5.399	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 108.000%		
46) 2-Hexanone-d5	8.608	63	121781	53.369	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 106.740%		
56) 1,1,2,2-Tetrachloroeth...	10.730	84	80606	5.466	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 109.400%		
66) 1,2-Dichlorobenzene-d4	12.168	152	124542	5.301	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 106.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	66836	5.643	ug/L	98
3) Chloromethane	1.509	50	49105	5.338	ug/L	98
5) Vinyl chloride	1.589	62	63321	5.421	ug/L	98
6) Bromomethane	1.840	94	41129	5.543	ug/L	96
8) Chloroethane	1.914	64	45761	5.317	ug/L	98
9) Trichlorofluoromethane	2.120	101	126810	5.529	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	78576	5.711	ug/L	99
12) 1,1-Dichloroethene	2.557	96	59484	5.611	ug/L	96
13) Acetone	2.602	43	125525	51.559	ug/L	99
14) Carbon disulfide	2.769	76	70721	4.851	ug/L	99
15) Methyl Acetate	2.930	43	23763	4.953	ug/L	97
16) Methylene chloride	3.017	84	73249	4.957	ug/L	99
17) Methyl tert-butyl Ether	3.335	73	190998	5.413	ug/L	99
18) trans-1,2-Dichloroethene	3.325	96	60324	5.304	ug/L	99
19) 1,1-Dichloroethane	3.833	63	144246	5.418	ug/L	100
21) 2-Butanone	4.673	43	169947	50.863	ug/L	94
22) cis-1,2-Dichloroethene	4.634	96	85880	5.446	ug/L	99
23) Bromochloromethane	4.943	128	36394	5.554	ug/L	93
25) Chloroform	5.055	83	171401	5.541	ug/L	99

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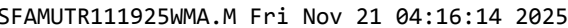
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

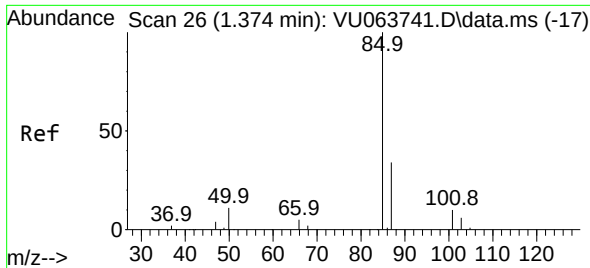
Quant Time: Nov 21 04:16:02 2025
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.766	62	96151	5.293	ug/L	98
29) 1,1,1-Trichloroethane	5.284	97	131793	5.568	ug/L	99
30) Cyclohexane	5.358	56	95724	5.477	ug/L	97
31) Carbon tetrachloride	5.493	117	99998	5.576	ug/L	100
33) Benzene	5.743	78	304003	5.495	ug/L	100
34) Trichloroethene	6.515	95	88495	5.389	ug/L	96
35) Methylcyclohexane	6.734	83	105838	5.676	ug/L	95
37) 1,2-Dichloropropane	6.763	63	82574	5.316	ug/L	99
38) Bromodichloromethane	7.078	83	113432	5.544	ug/L	98
39) cis-1,3-Dichloropropene	7.583	75	111289	5.491	ug/L	97
40) 4-Methyl-2-pentanone	7.763	43	437667	52.361	ug/L	100
42) Toluene	7.943	91	343970	5.552	ug/L	97
44) trans-1,3-Dichloropropene	8.184	75	83052	5.400	ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	65697	5.410	ug/L	99
47) Tetrachloroethene	8.528	164	65518	5.421	ug/L	97
48) 2-Hexanone	8.660	43	314818	51.978	ug/L	99
49) Dibromochloromethane	8.782	129	67322	5.440	ug/L	96
50) 1,2-Dibromoethane	8.898	107	55265	5.257	ug/L	92
51) Chlorobenzene	9.422	112	243291	5.343	ug/L	99
52) Ethylbenzene	9.544	91	419267	5.457	ug/L	100
53) m,p-Xylene	9.669	106	158317	5.457	ug/L	100
54) o-Xylene	10.074	106	157487	5.495	ug/L	100
55) Styrene	10.090	104	258839	5.493	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	75134	5.173	ug/L	99
59) Bromoform	10.264	173	34156	5.205	ug/L	99
60) Isopropylbenzene	10.460	105	448709	5.500	ug/L	99
61) 1,2,3-Trichloropropane	10.798	75	54334	5.316	ug/L	99
62) 1,3,5-Trimethylbenzene	11.061	105	365392	5.369	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	359769	5.445	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	200644	5.197	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	199323	5.094	ug/L	98
67) 1,2-Dichlorobenzene	12.187	146	184416	5.293	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.971	75	8552	4.549	ug/L	95
69) 1,3,5-Trichlorobenzene	13.193	180	146439	5.178	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	107084	4.770	ug/L	98
71) Naphthalene	14.061	128	127186	3.975	ug/L	99
72) 1,2,3-Trichlorobenzene	14.303	180	86483	4.606	ug/L	99

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

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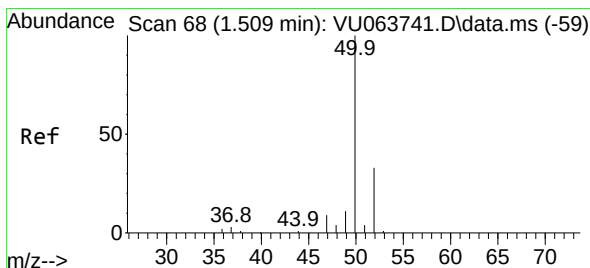
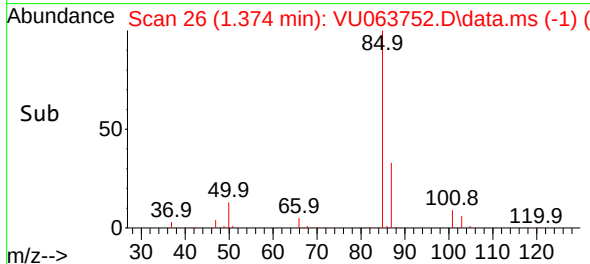
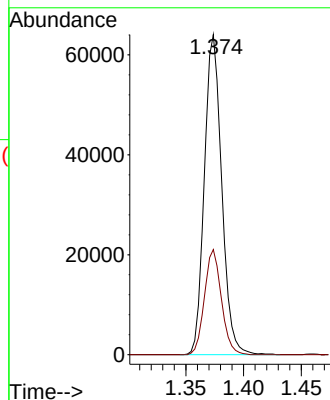
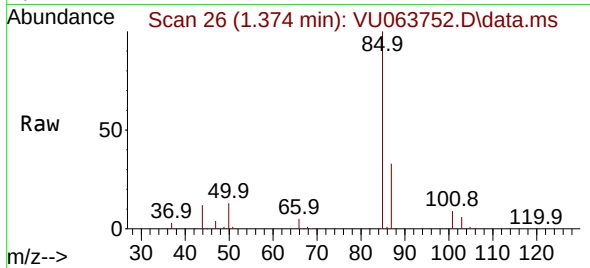




#2
 Dichlorodifluoromethane
 Concen: 5.643 ug/L
 RT: 1.374 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU063752.D
 Acq: 20 Nov 2025 11:10

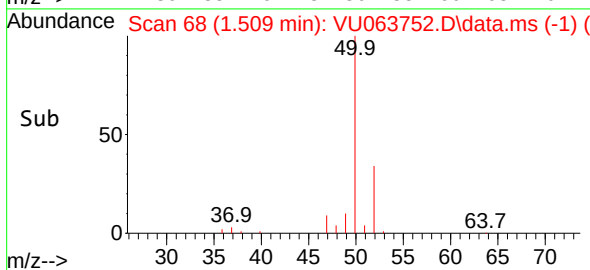
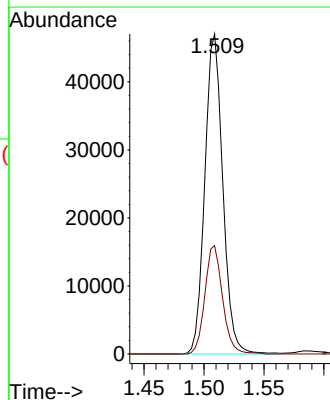
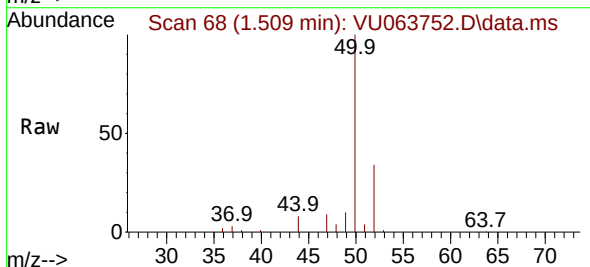
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

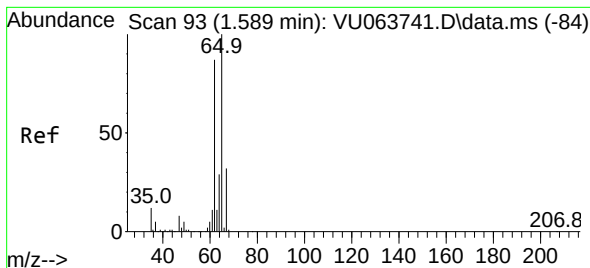
Tgt Ion: 85 Resp: 66836
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.4 39.6



#3
 Chloromethane
 Concen: 5.338 ug/L
 RT: 1.509 min Scan# 68
 Delta R.T. 0.003 min
 Lab File: VU063752.D
 Acq: 20 Nov 2025 11:10

Tgt Ion: 50 Resp: 49105
 Ion Ratio Lower Upper
 50 100
 52 33.9 22.7 42.3





#5

Vinyl chloride

Concen: 5.421 ug/L

RT: 1.589 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

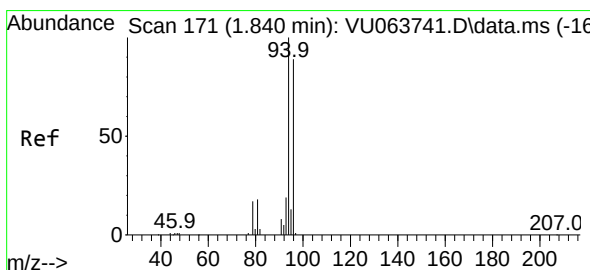
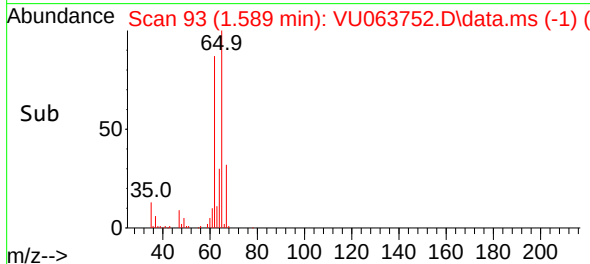
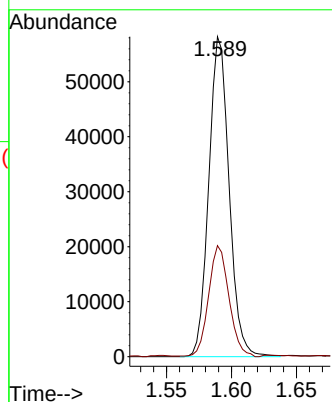
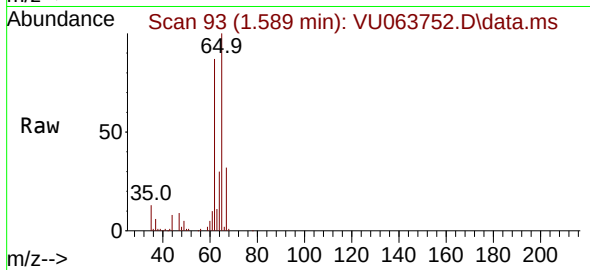
VSTD005150

Tgt Ion: 62 Resp: 63321

Ion Ratio Lower Upper

62 100

64 34.7 23.5 43.7



#6

Bromomethane

Concen: 5.543 ug/L

RT: 1.840 min Scan# 171

Delta R.T. 0.003 min

Lab File: VU063752.D

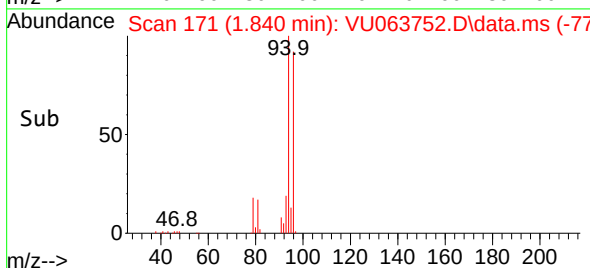
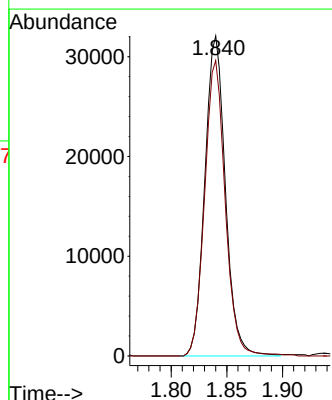
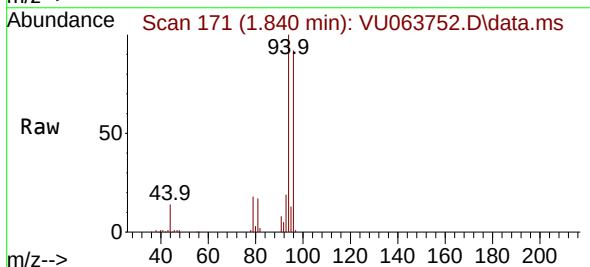
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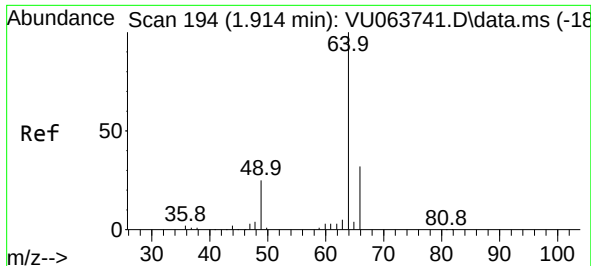
Tgt Ion: 94 Resp: 41129

Ion Ratio Lower Upper

94 100

96 92.3 62.1 115.3

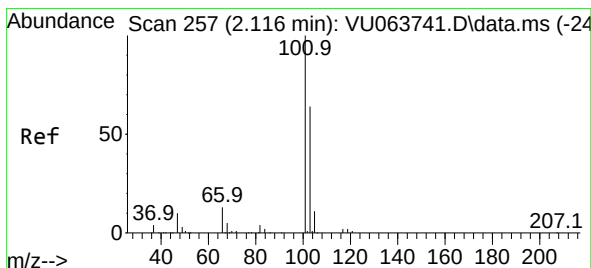
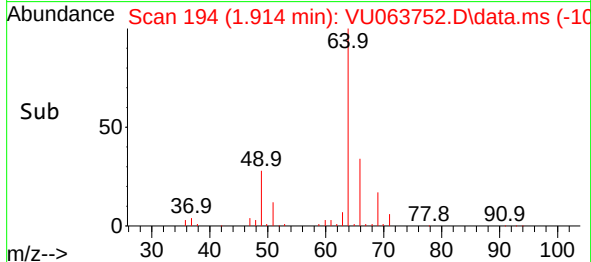
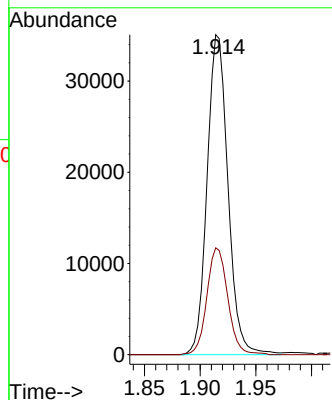
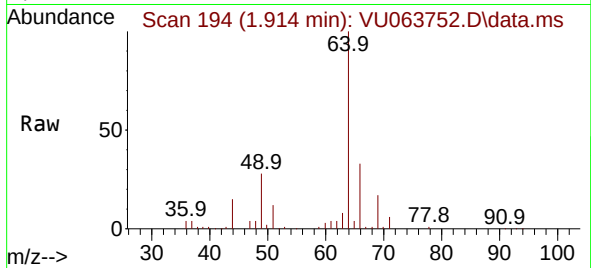




#8
Chloroethane
Concen: 5.317 ug/L
RT: 1.914 min Scan# 194
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

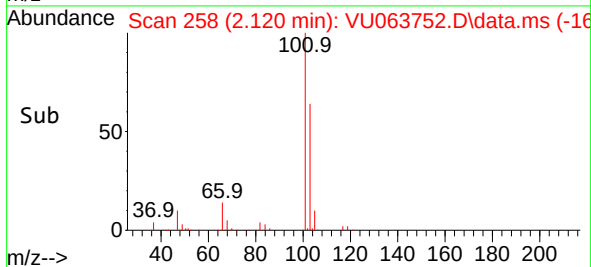
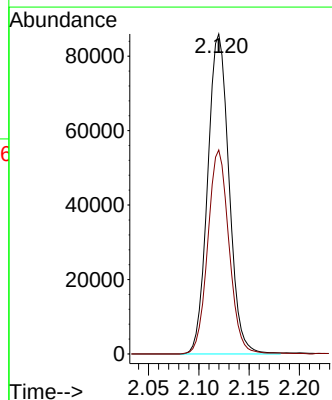
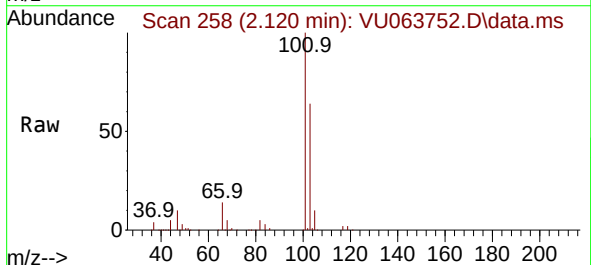
Instrument :
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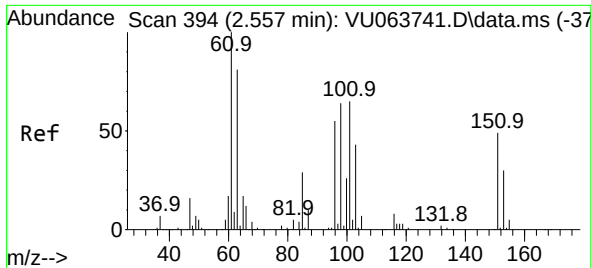
Tgt Ion: 64 Resp: 45761
Ion Ratio Lower Upper
64 100
66 33.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.529 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 101 Resp: 126810
Ion Ratio Lower Upper
101 100
103 63.3 51.0 76.4

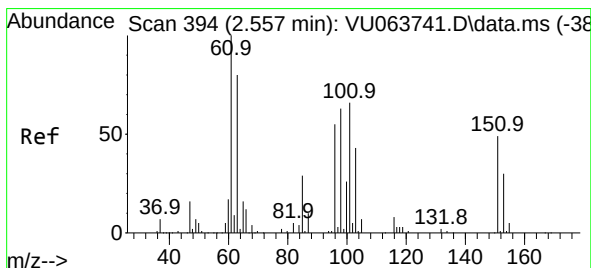
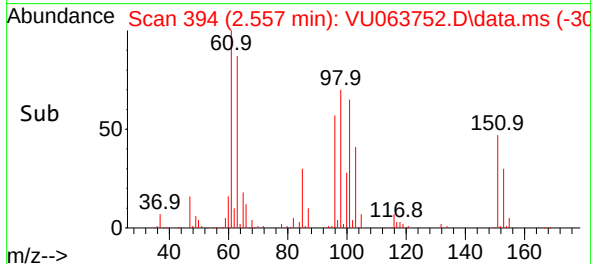
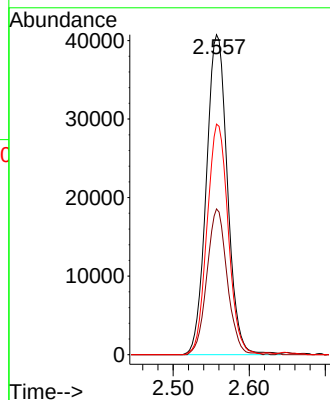
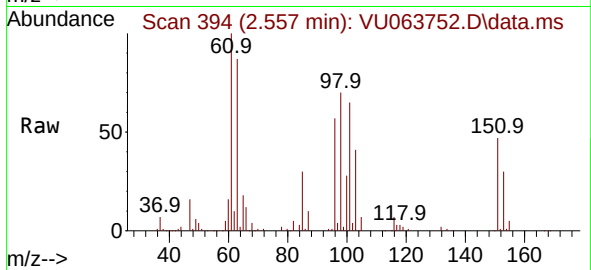




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.711 ug/L
RT: 2.557 min Scan# 394
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

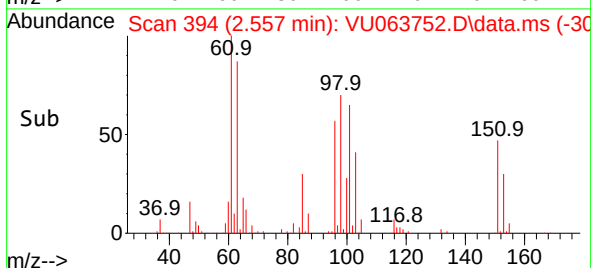
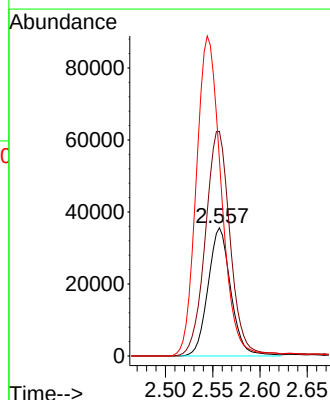
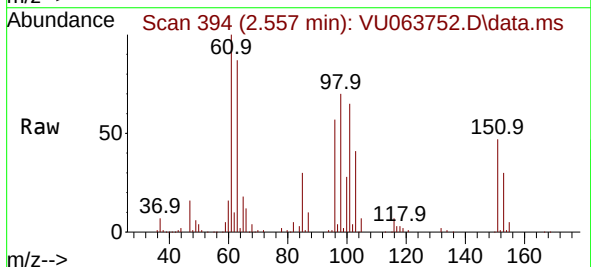
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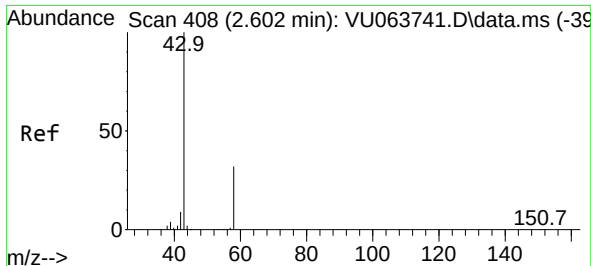
Tgt Ion:101 Resp: 78576
Ion Ratio Lower Upper
101 100
85 43.8 35.7 53.5
151 72.0 58.1 87.1



#12
1,1-Dichloroethene
Concen: 5.611 ug/L
RT: 2.557 min Scan# 394
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 96 Resp: 59484
Ion Ratio Lower Upper
96 100
61 175.4 126.6 235.2
63 153.4 104.2 193.4





#13

Acetone

Concen: 51.559 ug/L

RT: 2.602 min Scan# 408

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

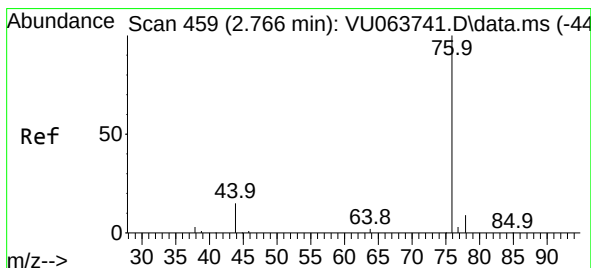
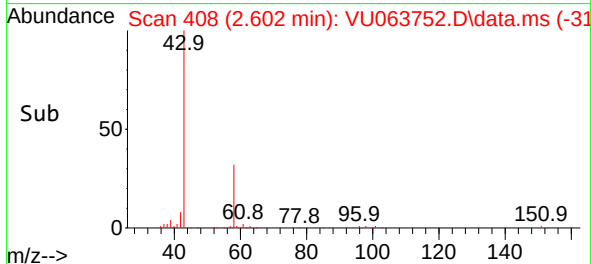
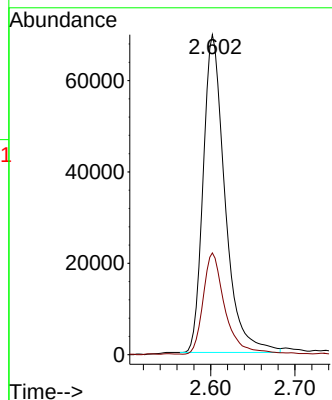
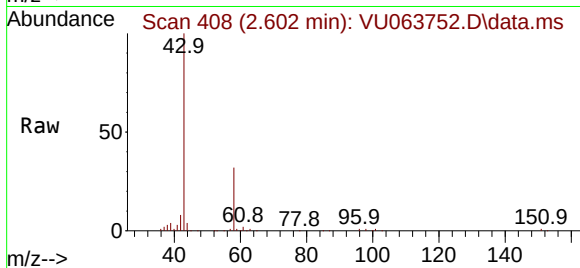
VSTD005150

Tgt Ion: 43 Resp: 125525

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.8



#14

Carbon disulfide

Concen: 4.851 ug/L

RT: 2.769 min Scan# 460

Delta R.T. 0.003 min

Lab File: VU063752.D

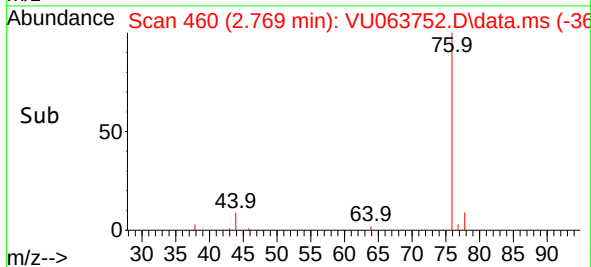
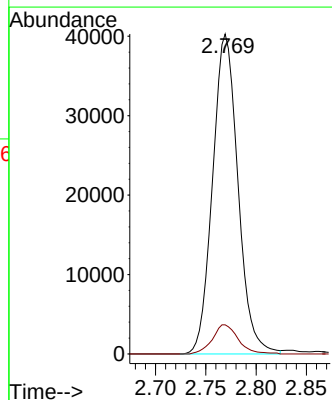
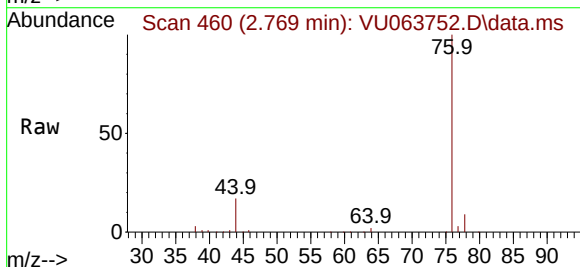
Acq: 20 Nov 2025 11:10

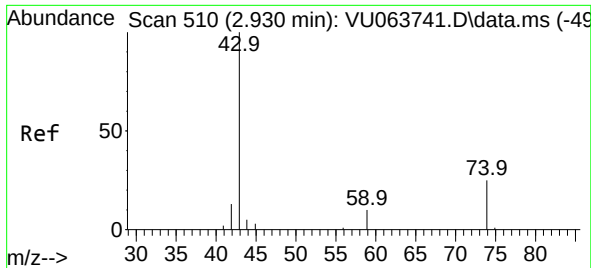
Tgt Ion: 76 Resp: 70721

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

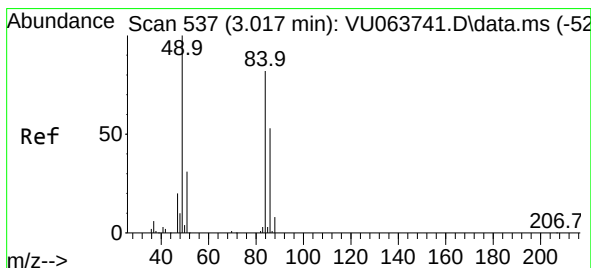
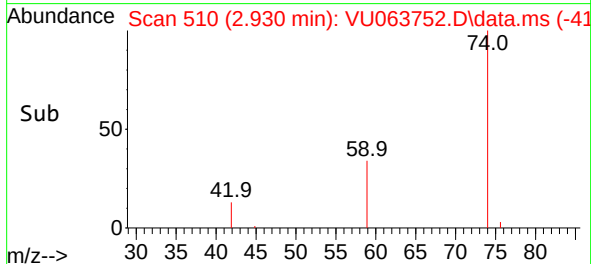
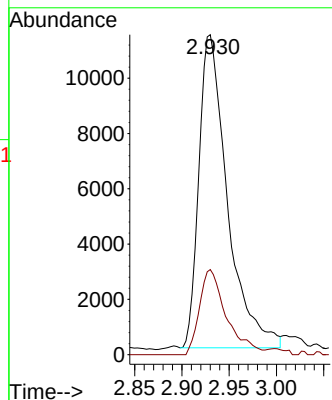
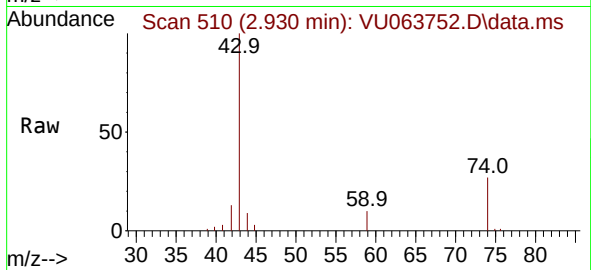




#15
Methyl Acetate
Concen: 4.953 ug/L
RT: 2.930 min Scan# 510
Delta R.T. 0.003 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

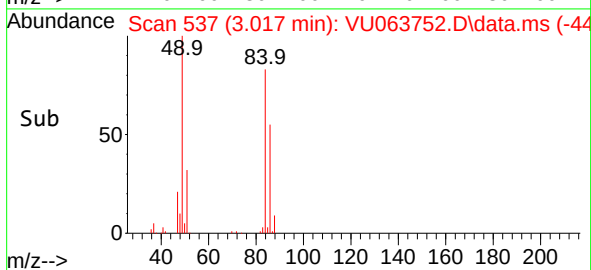
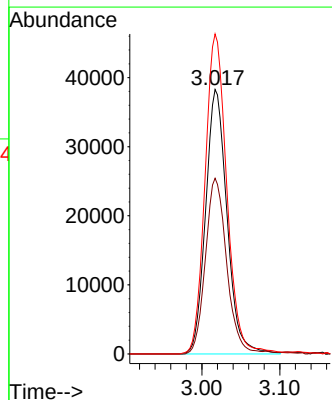
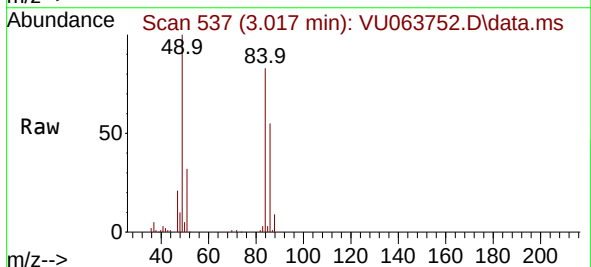
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

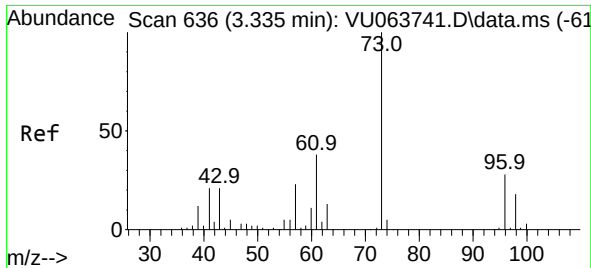
Tgt Ion: 43 Resp: 23763
Ion Ratio Lower Upper
43 100
74 25.7 21.7 32.5



#16
Methylene chloride
Concen: 4.957 ug/L
RT: 3.017 min Scan# 537
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 84 Resp: 73249
Ion Ratio Lower Upper
84 100
86 66.4 45.1 83.9
49 121.0 85.2 158.2

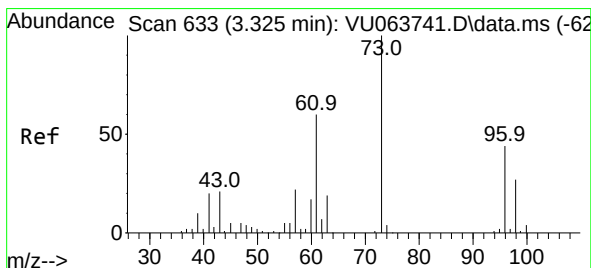
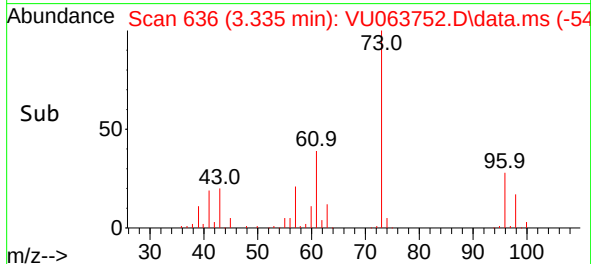
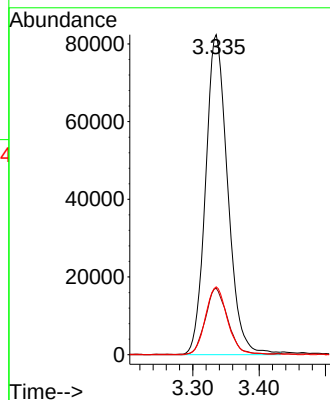
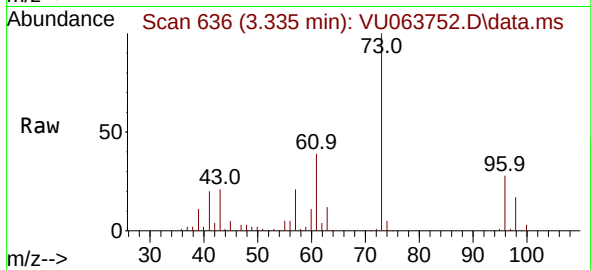




#17
Methyl tert-butyl Ether
Concen: 5.413 ug/L
RT: 3.335 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

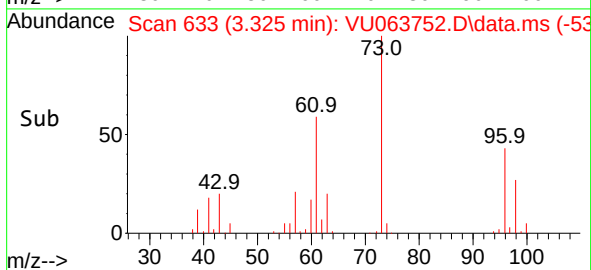
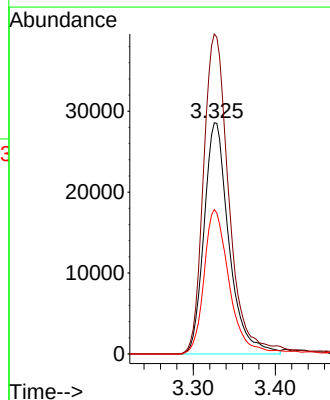
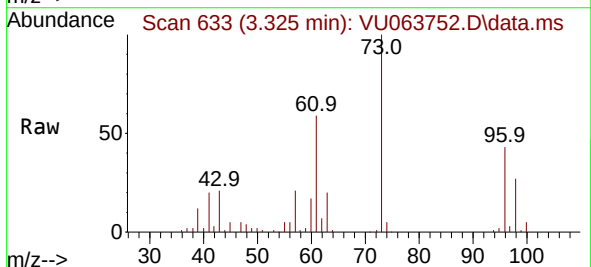
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

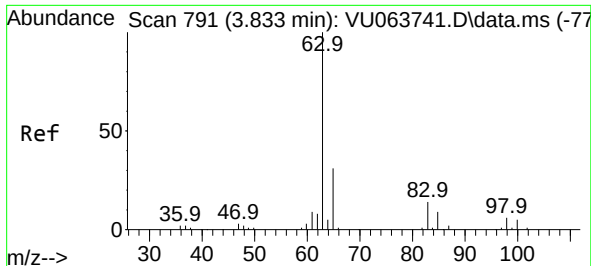
Tgt Ion: 73	Resp: 190998
Ion Ratio	Lower Upper
73 100	
43 20.6	17.0 25.4
57 21.1	17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.304 ug/L
RT: 3.325 min Scan# 633
Delta R.T. 0.003 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 96	Resp: 60324		
Ion Ratio	Lower	Upper	
96 100			
61 138.4	95.8	178.0	
98 62.4	43.2	80.2	





#19

1,1-Dichloroethane

Concen: 5.418 ug/L

RT: 3.833 min Scan# 791

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

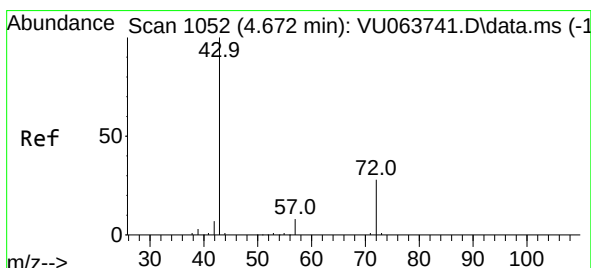
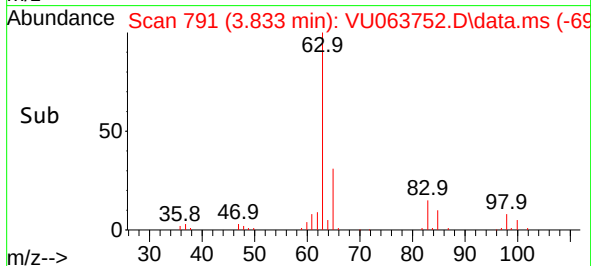
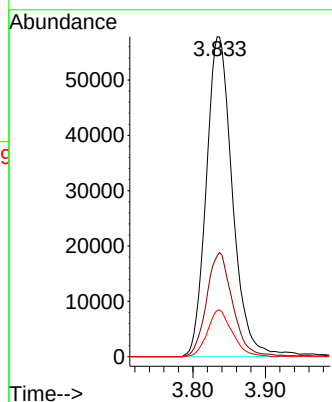
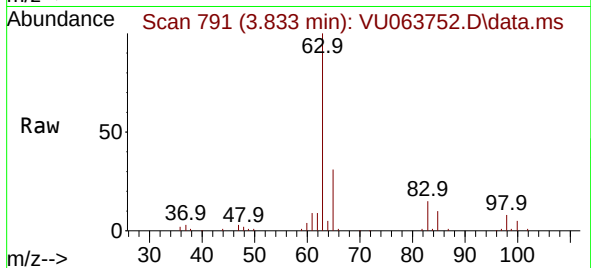
Tgt Ion: 63 Resp: 144246

Ion Ratio Lower Upper

63 100

65 31.5 22.0 40.8

83 14.5 9.9 18.3



#21

2-Butanone

Concen: 50.863 ug/L

RT: 4.673 min Scan# 1052

Delta R.T. 0.003 min

Lab File: VU063752.D

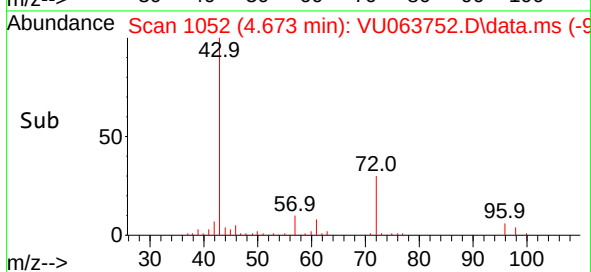
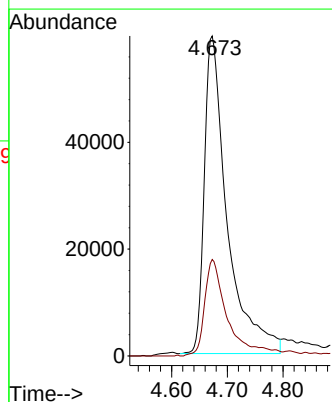
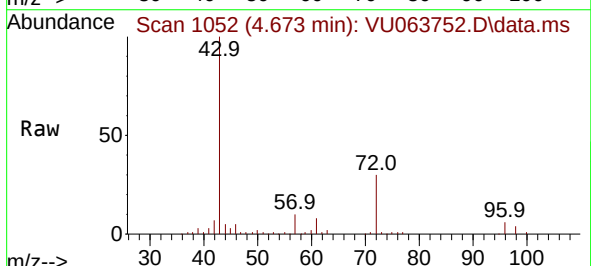
Acq: 20 Nov 2025 11:10

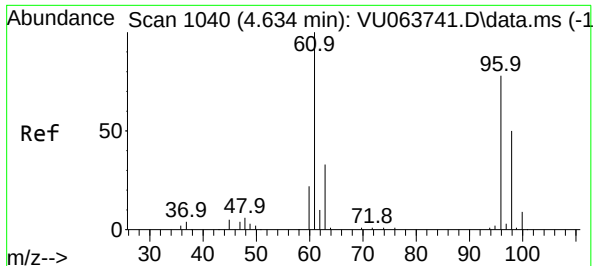
Tgt Ion: 43 Resp: 169947

Ion Ratio Lower Upper

43 100

72 30.2 13.6 40.8

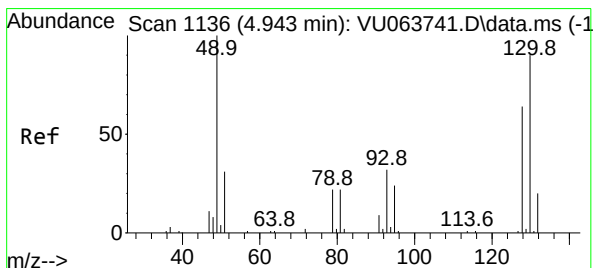
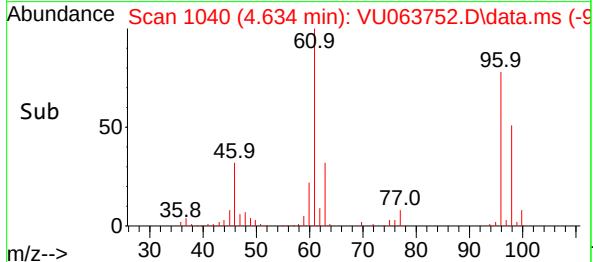
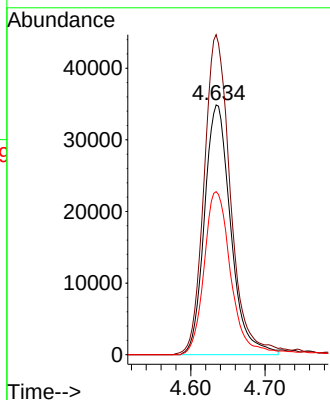
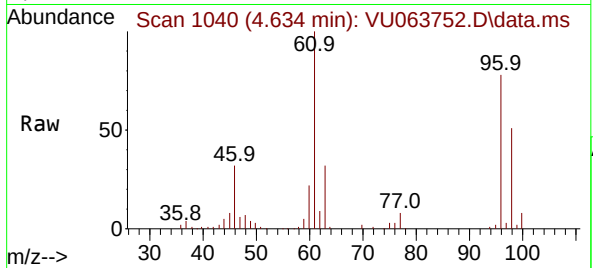




#22
 cis-1,2-Dichloroethene
 Concen: 5.446 ug/L
 RT: 4.634 min Scan# 1040
 Delta R.T. -0.000 min
 Lab File: VU063752.D
 Acq: 20 Nov 2025 11:10

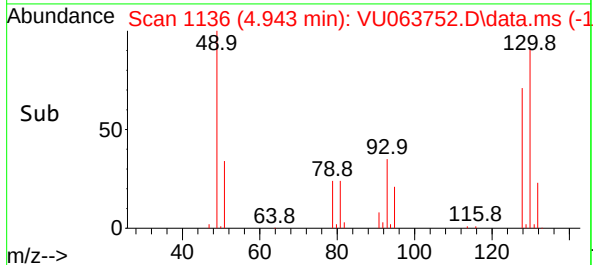
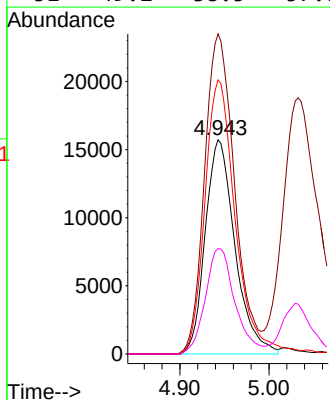
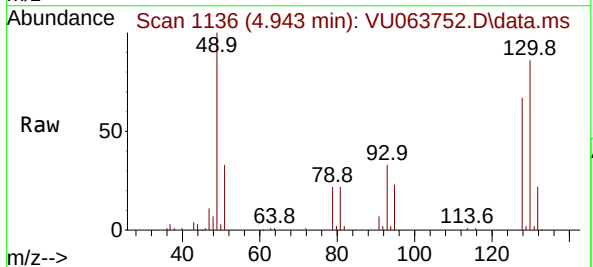
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

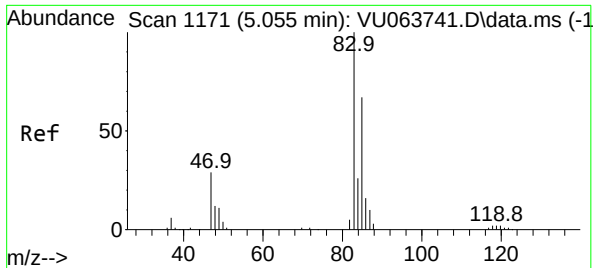
Tgt Ion:	96	Resp:	85880
Ion	Ratio	Lower	Upper
96	100		
61	128.1	89.5	166.1
98	65.3	44.6	82.8



#23
 Bromochloromethane
 Concen: 5.554 ug/L
 RT: 4.943 min Scan# 1136
 Delta R.T. -0.003 min
 Lab File: VU063752.D
 Acq: 20 Nov 2025 11:10

Tgt Ion:	128	Resp:	36394
Ion	Ratio	Lower	Upper
128	100		
49	149.3	110.0	204.4
130	127.9	98.9	183.7
51	49.2	38.5	57.7

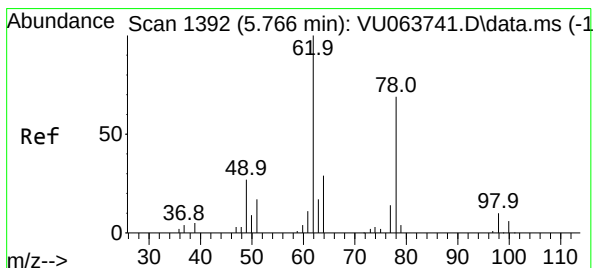
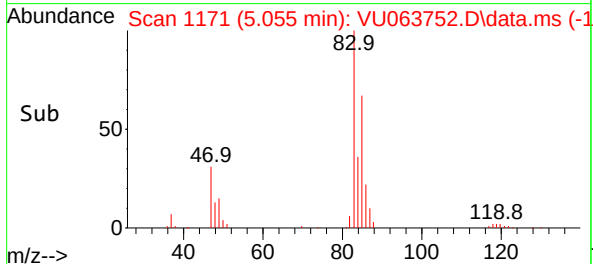
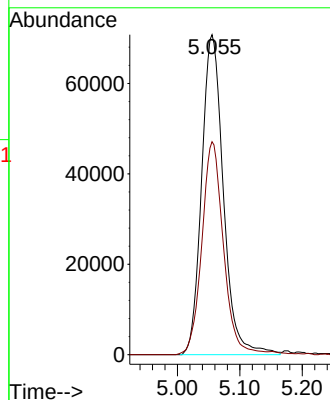
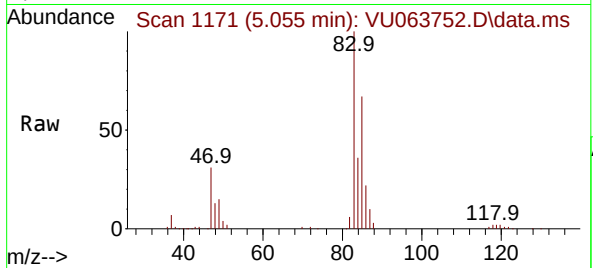




#25
Chloroform
Concen: 5.541 ug/L
RT: 5.055 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

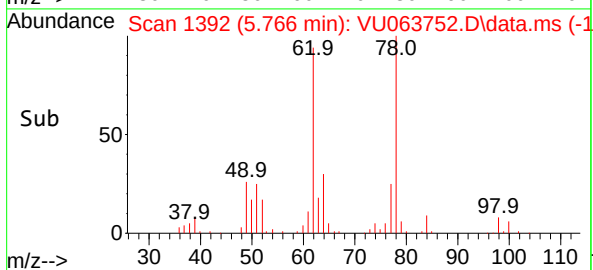
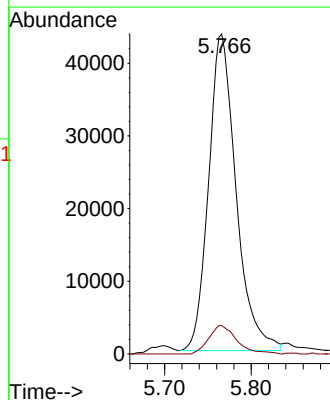
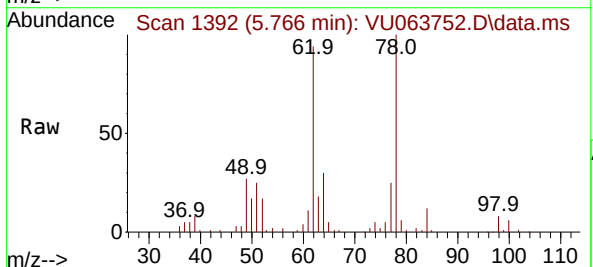
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

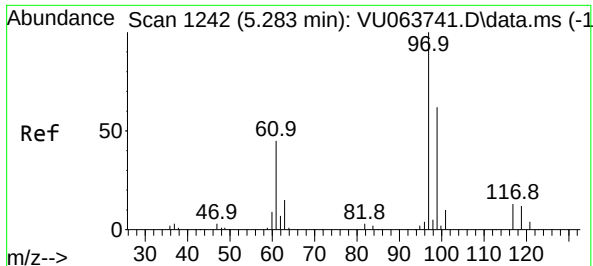
Tgt Ion: 83 Resp: 171401
Ion Ratio Lower Upper
83 100
85 66.6 47.3 87.9



#27
1,2-Dichloroethane
Concen: 5.293 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 62 Resp: 96151
Ion Ratio Lower Upper
62 100
98 8.8 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.568 ug/L

RT: 5.284 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

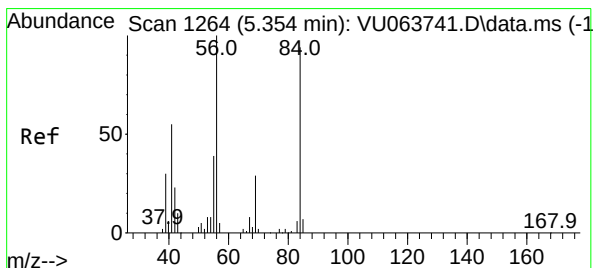
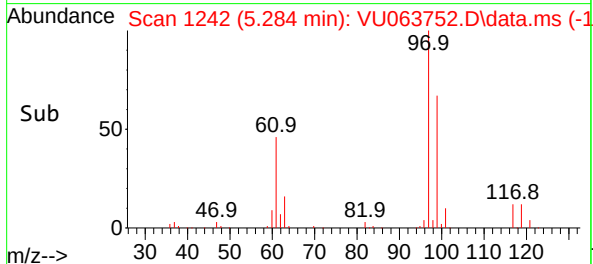
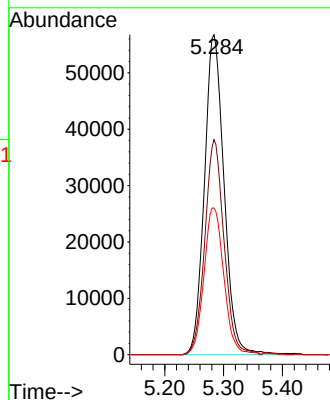
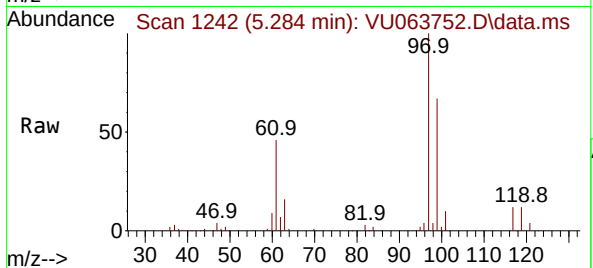
Tgt Ion: 97 Resp: 131793

Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.2

61 46.3 37.4 56.2



#30

Cyclohexane

Concen: 5.477 ug/L

RT: 5.358 min Scan# 1265

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

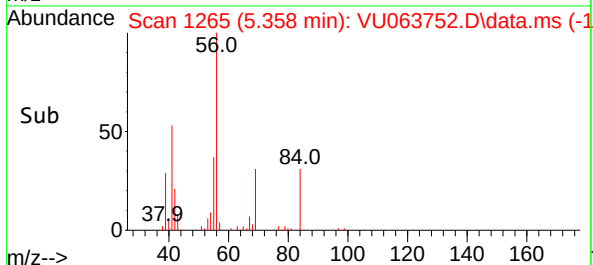
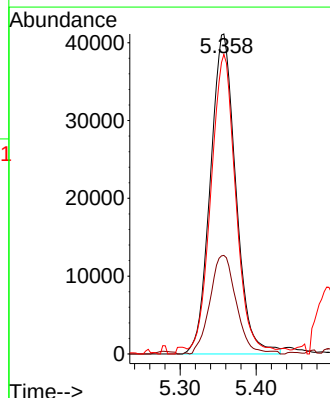
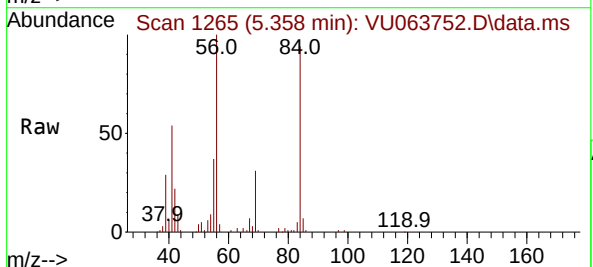
Tgt Ion: 56 Resp: 95724

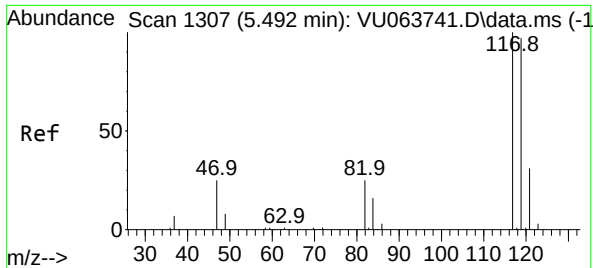
Ion Ratio Lower Upper

56 100

69 31.5 24.3 36.5

84 87.1 72.0 108.0

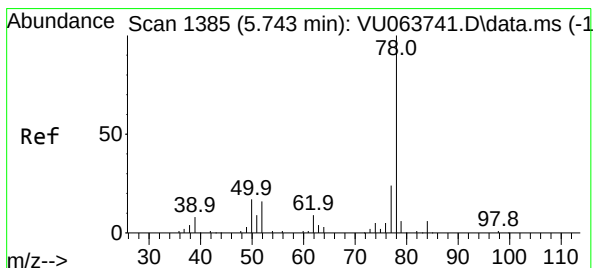
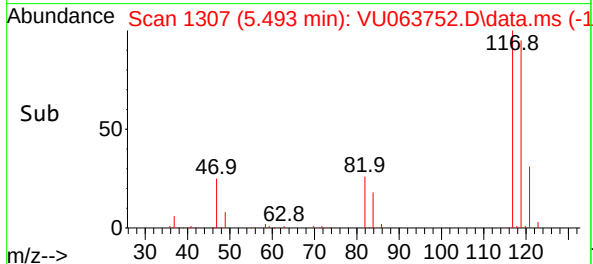
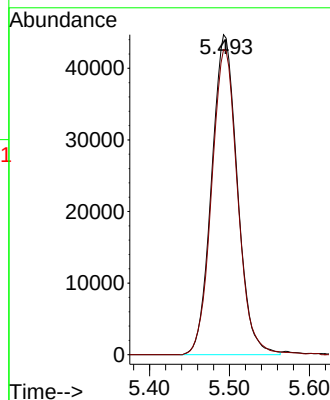
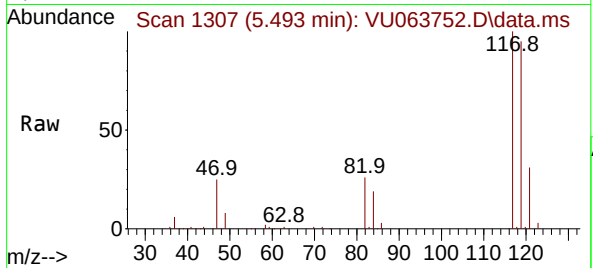




#31
Carbon tetrachloride
Concen: 5.576 ug/L
RT: 5.493 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

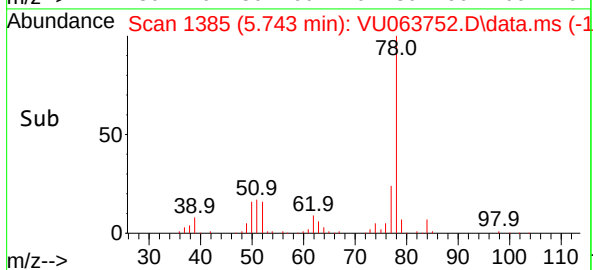
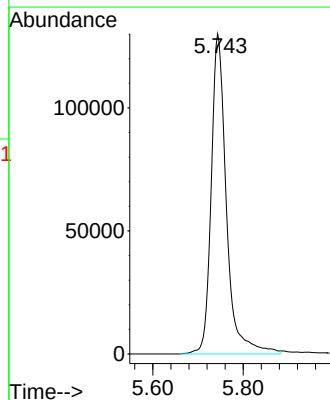
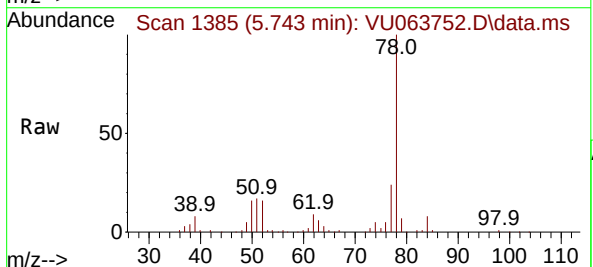
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

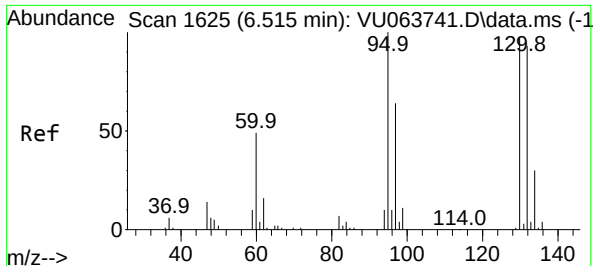
Tgt Ion:117 Resp: 99998
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.4



#33
Benzene
Concen: 5.495 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 78 Resp: 304003





#34

Trichloroethene

Concen: 5.389 ug/L

RT: 6.515 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

Tgt Ion: 95 Resp: 88495

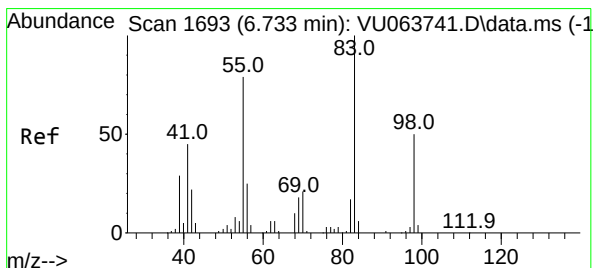
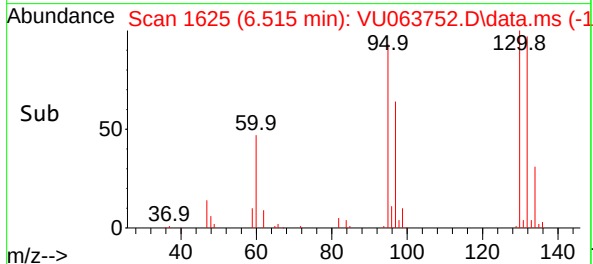
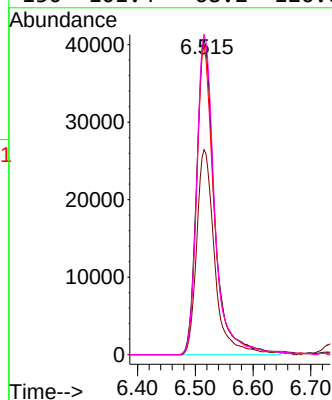
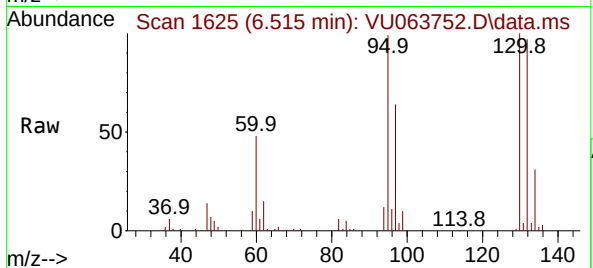
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.5

132 97.9 65.4 121.4

130 101.4 68.2 126.6



#35

Methylcyclohexane

Concen: 5.676 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

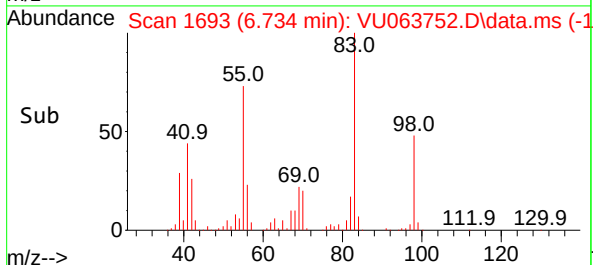
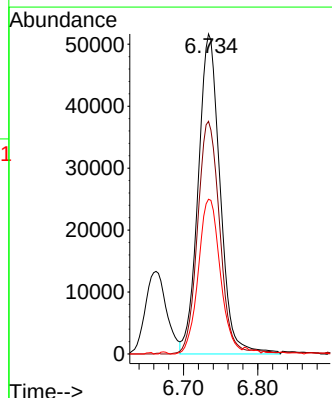
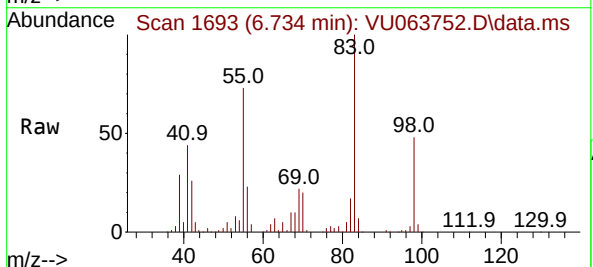
Tgt Ion: 83 Resp: 105838

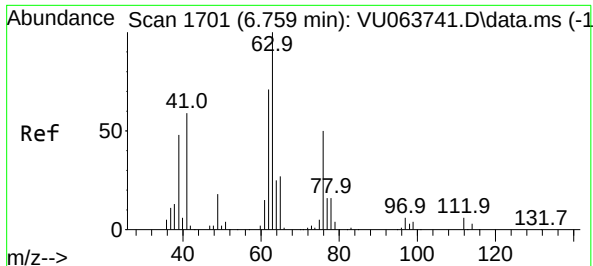
Ion Ratio Lower Upper

83 100

55 72.9 62.5 93.7

98 48.4 40.3 60.5





#37

1,2-Dichloropropane

Concen: 5.316 ug/L

RT: 6.763 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

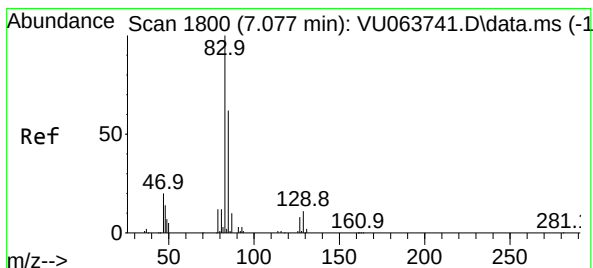
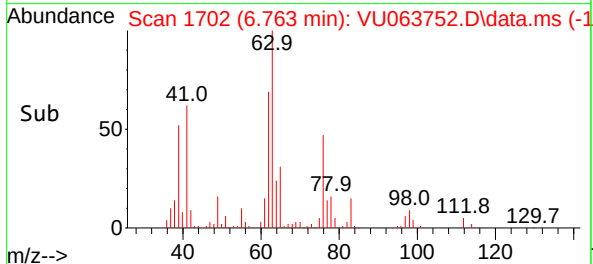
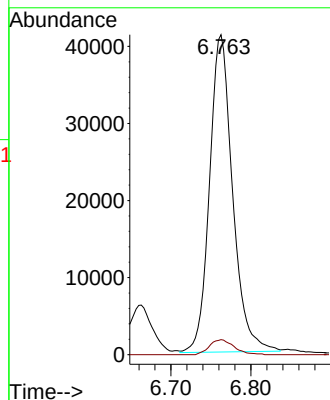
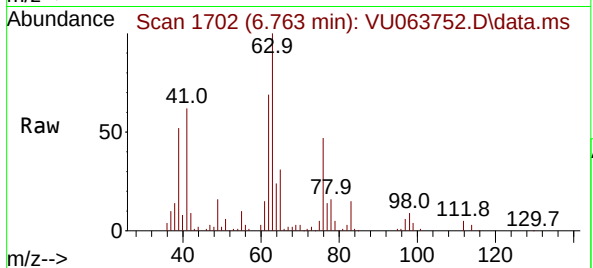
VSTD005150

Tgt Ion: 63 Resp: 82574

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 5.544 ug/L

RT: 7.078 min Scan# 1800

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

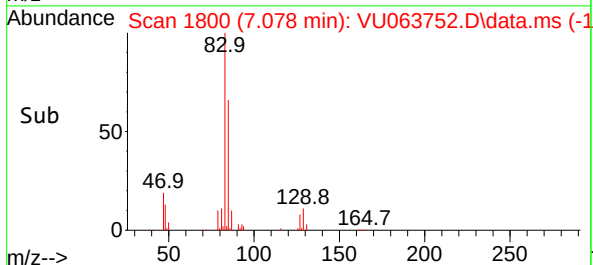
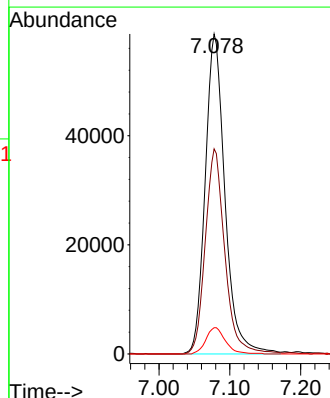
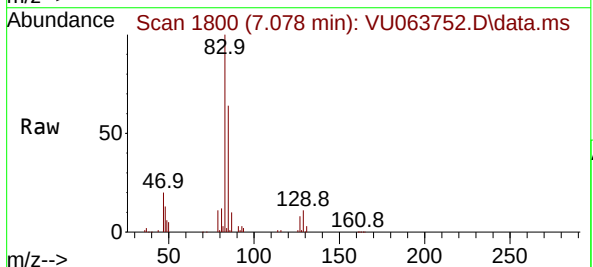
Tgt Ion: 83 Resp: 113432

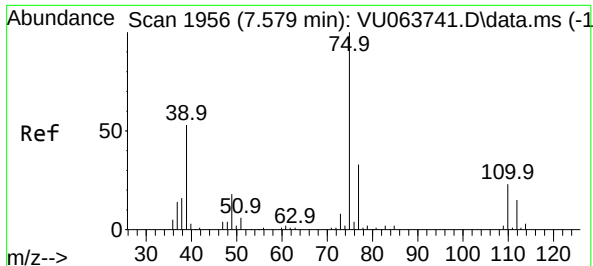
Ion Ratio Lower Upper

83 100

85 64.1 43.7 81.1

127 8.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 5.491 ug/L

RT: 7.583 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

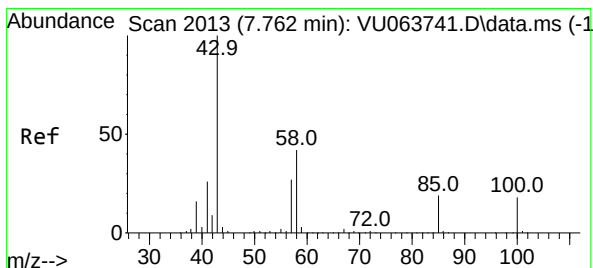
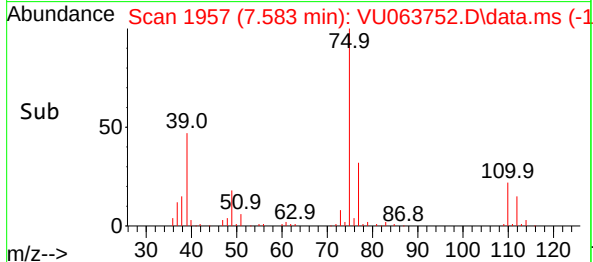
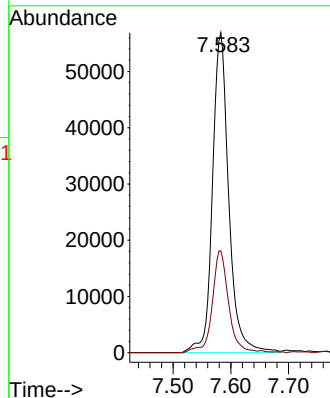
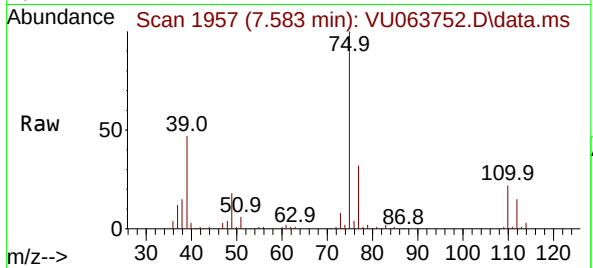
VSTD005150

Tgt Ion: 75 Resp: 111289

Ion Ratio Lower Upper

75 100

77 31.8 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 52.361 ug/L

RT: 7.763 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

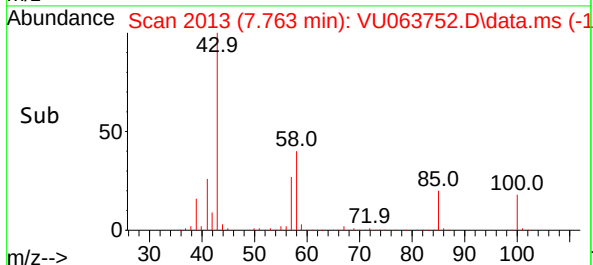
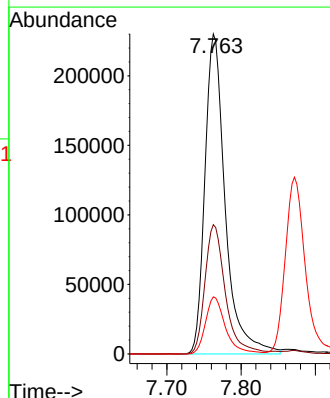
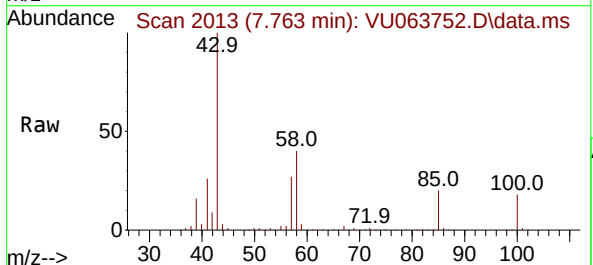
Tgt Ion: 43 Resp: 437667

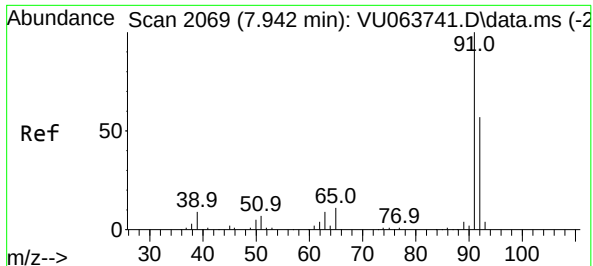
Ion Ratio Lower Upper

43 100

58 40.7 32.6 49.0

100 17.6 13.9 20.9

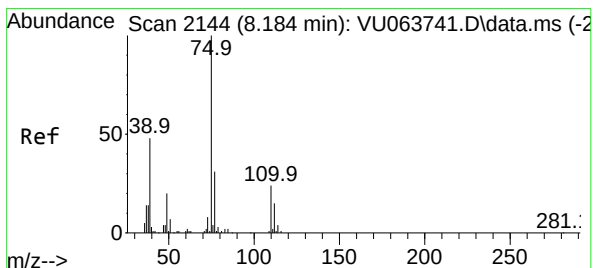
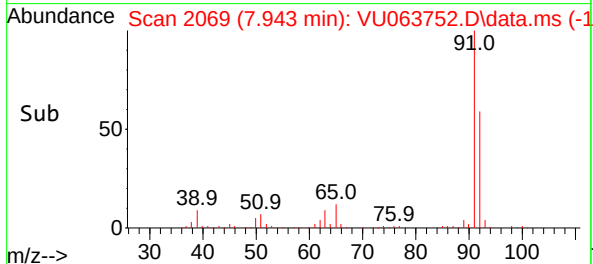
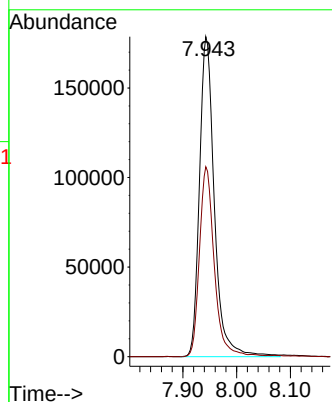
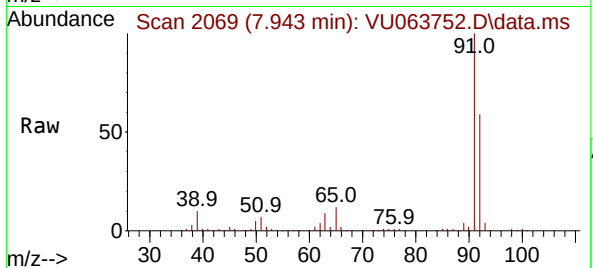




#42
Toluene
Concen: 5.552 ug/L
RT: 7.943 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

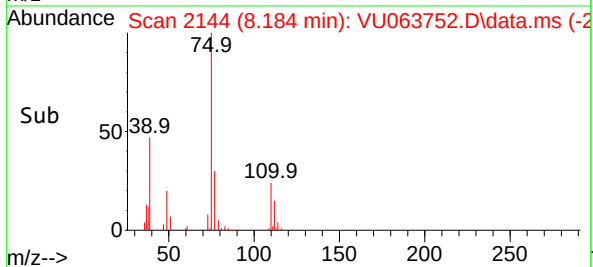
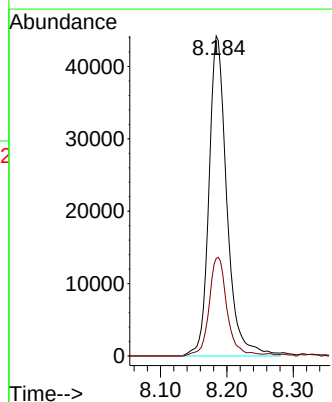
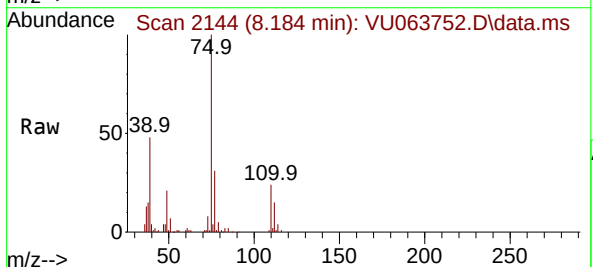
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

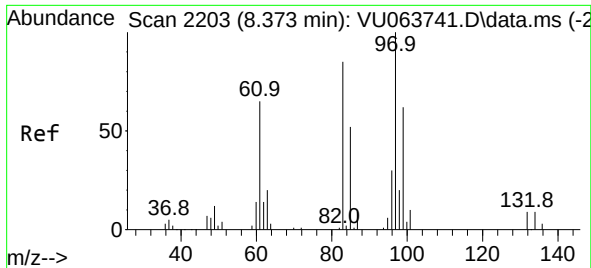
Tgt Ion: 91 Resp: 343970
Ion Ratio Lower Upper
91 100
92 59.3 40.0 74.2



#44
trans-1,3-Dichloropropene
Concen: 5.400 ug/L
RT: 8.184 min Scan# 2144
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 75 Resp: 83052
Ion Ratio Lower Upper
75 100
77 30.5 21.7 40.3

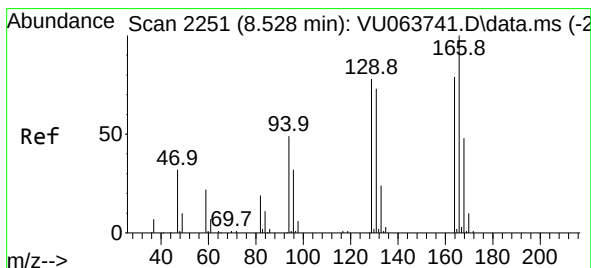
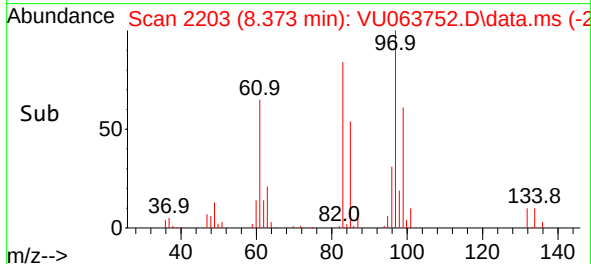
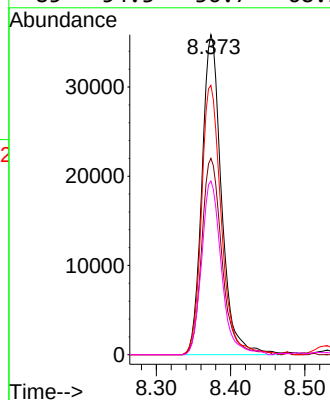
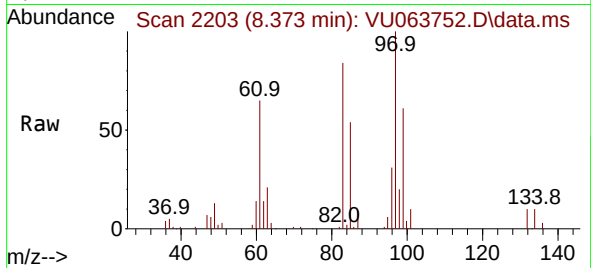




#45
1,1,2-Trichloroethane
Concen: 5.410 ug/L
RT: 8.373 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

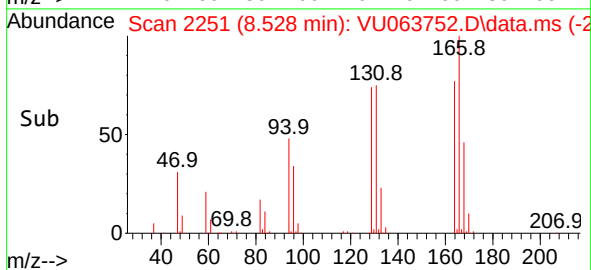
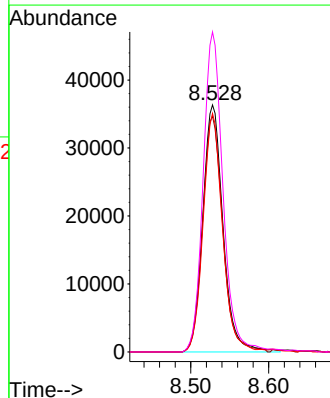
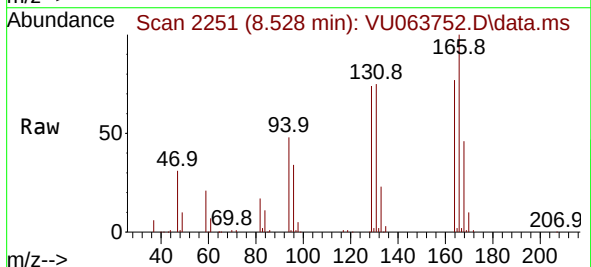
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

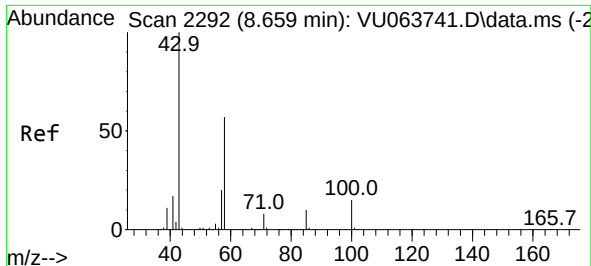
Tgt Ion:	97	Resp:	65697
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.4	80.6
83	84.1	59.4	110.2
85	54.3	36.7	68.1



#47
Tetrachloroethene
Concen: 5.421 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion:	164	Resp:	65518
Ion	Ratio	Lower	Upper
164	100		
129	95.4	69.5	129.1
131	96.6	65.2	121.2
166	129.5	89.0	165.2

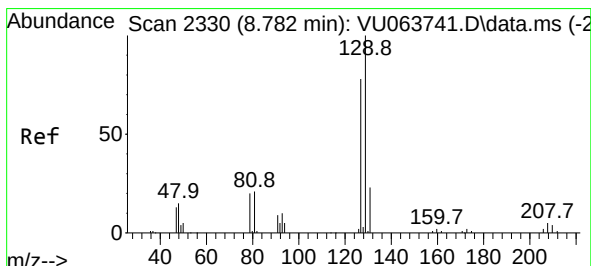
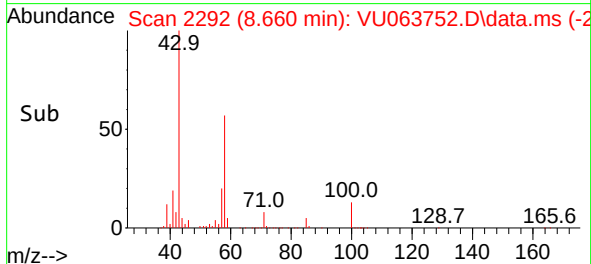
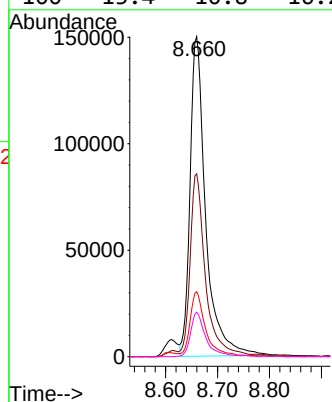
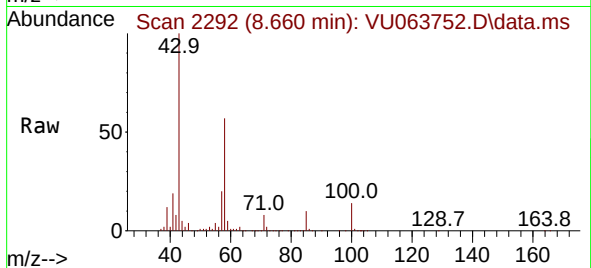




#48
2-Hexanone
Concen: 51.978 ug/L
RT: 8.660 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

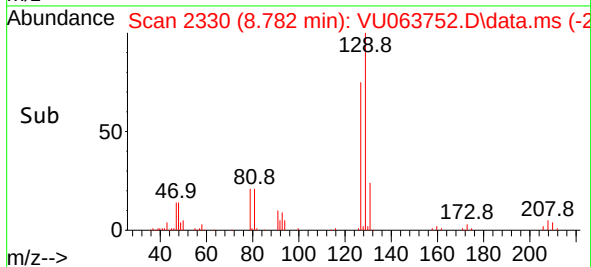
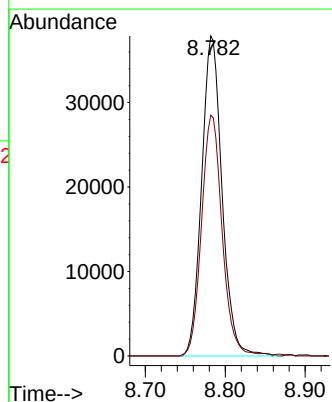
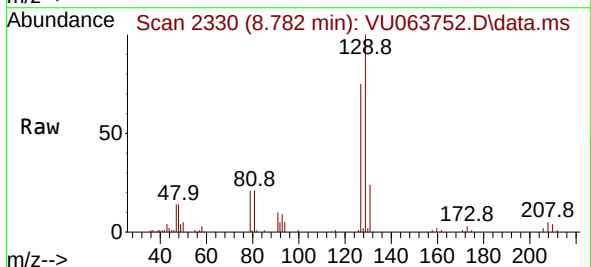
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

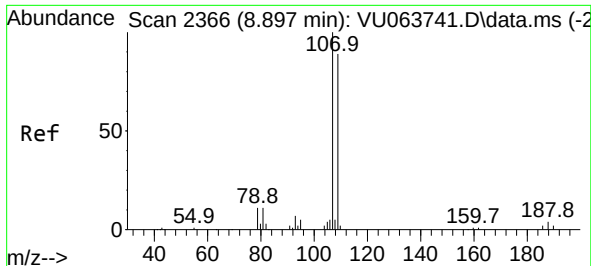
Tgt Ion: 43 Resp: 314818
Ion Ratio Lower Upper
43 100
58 54.5 43.3 64.9
57 19.5 16.2 24.2
100 13.4 10.8 16.2



#49
Dibromochloromethane
Concen: 5.440 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 129 Resp: 67322
Ion Ratio Lower Upper
129 100
127 75.2 54.9 102.1

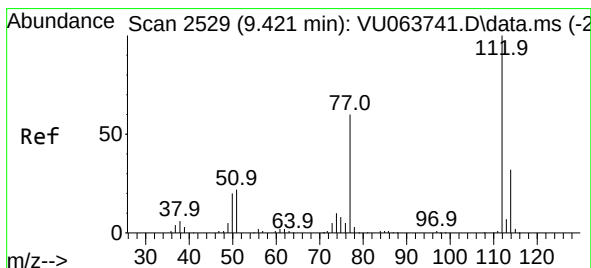
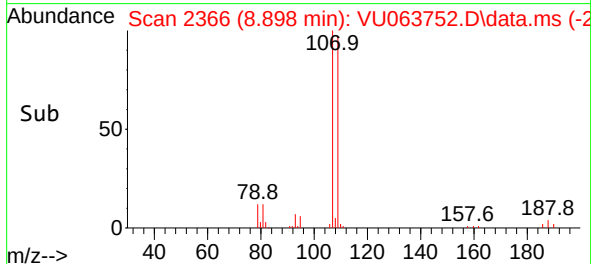
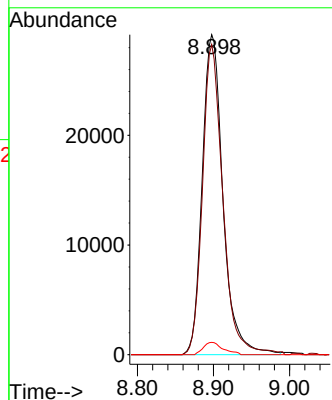
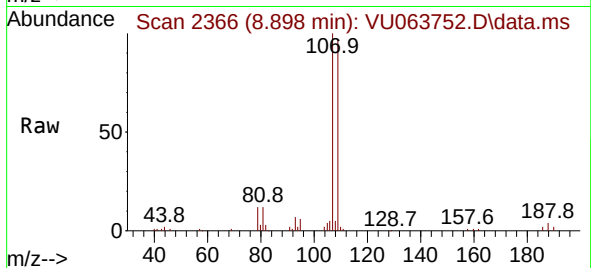




#50
1,2-Dibromoethane
Concen: 5.257 ug/L
RT: 8.898 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

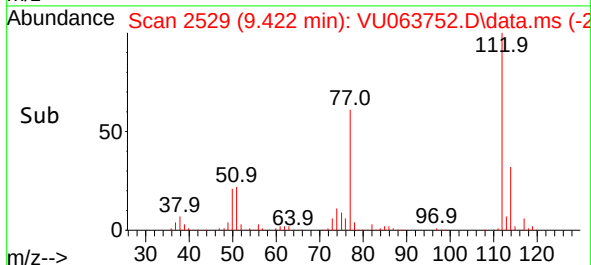
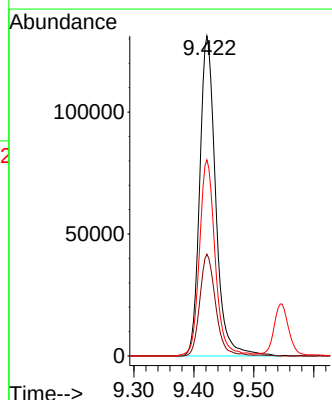
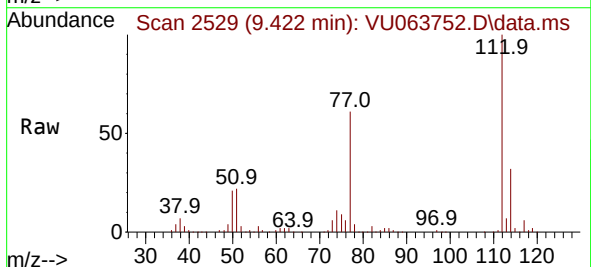
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

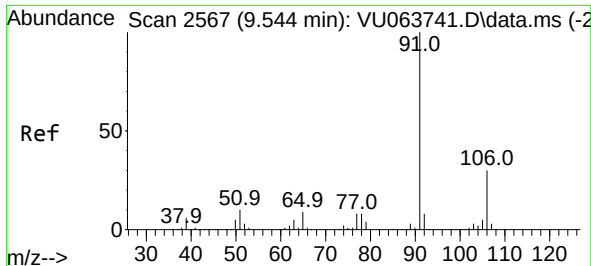
Tgt Ion:107 Resp: 55265
Ion Ratio Lower Upper
107 100
109 96.9 62.6 116.3
188 3.8 2.8 4.2



#51
Chlorobenzene
Concen: 5.343 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion:112 Resp: 243291
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 61.3 48.3 72.5

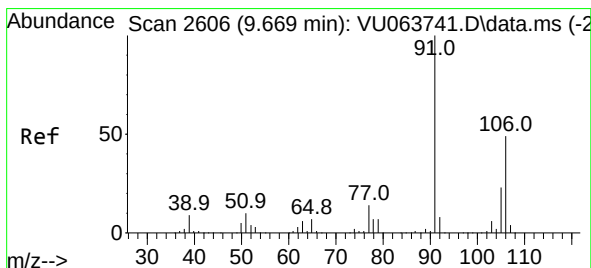
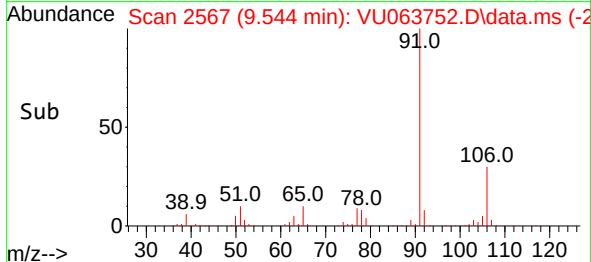
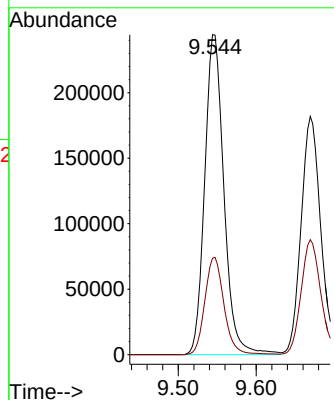
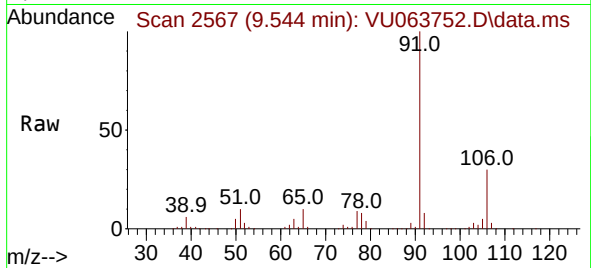




#52
Ethylbenzene
Concen: 5.457 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

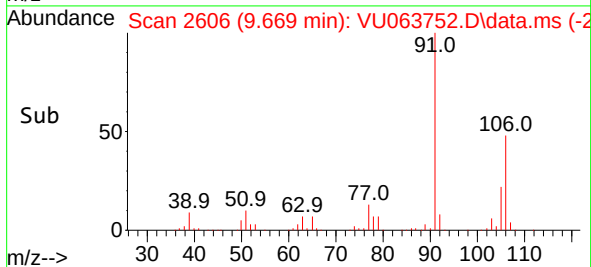
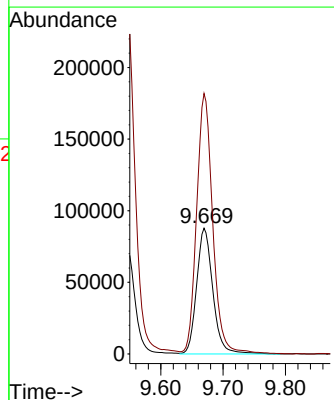
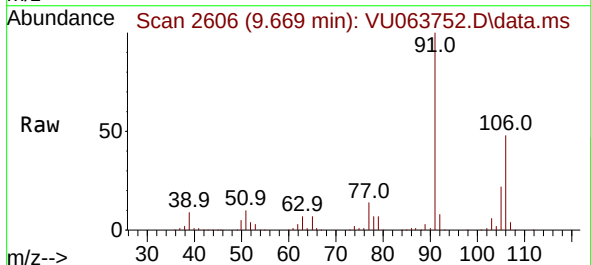
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

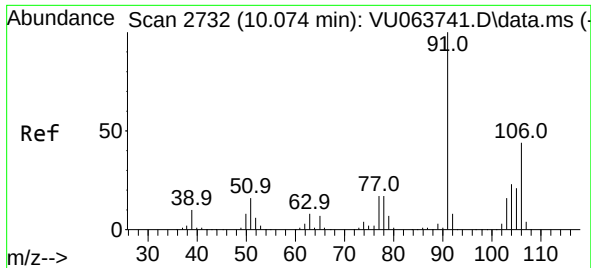
Tgt Ion: 91 Resp: 419267
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.457 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion: 106 Resp: 158317
Ion Ratio Lower Upper
106 100
91 207.0 144.5 268.3

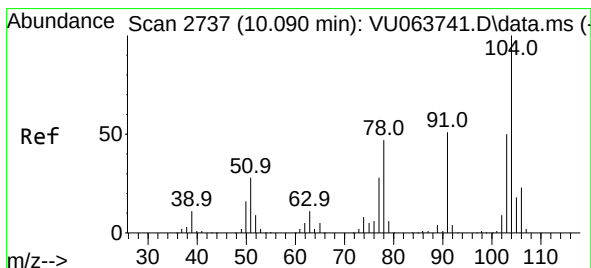
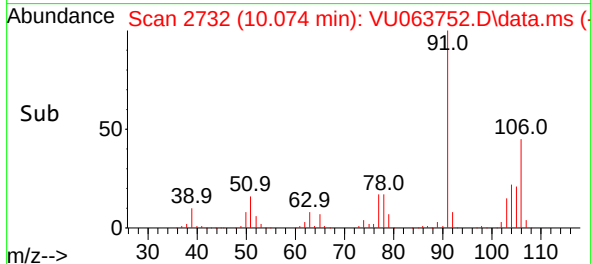
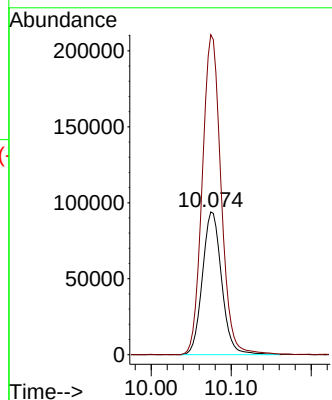
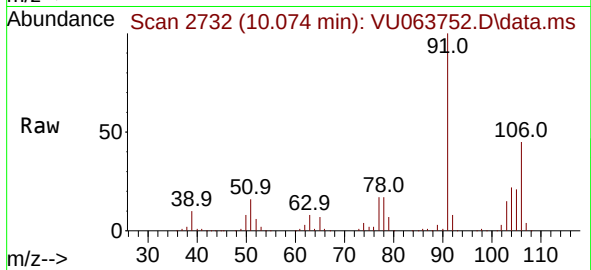




#54
o-Xylene
Concen: 5.495 ug/L
RT: 10.074 min Scan# 2732
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

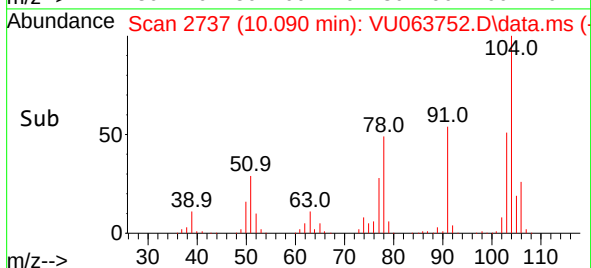
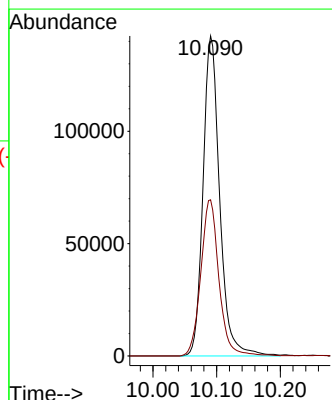
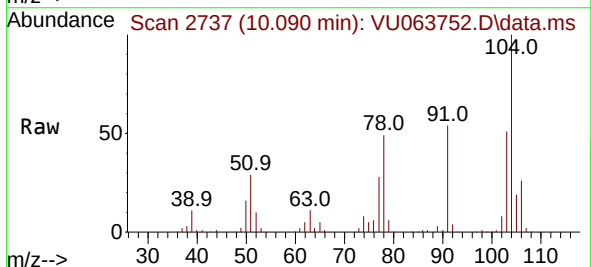
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

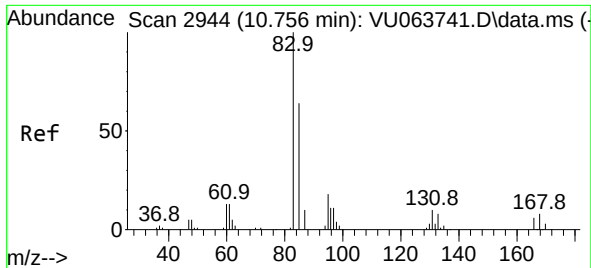
Tgt Ion:106 Resp: 157487
Ion Ratio Lower Upper
106 100
91 224.2 157.4 292.4



#55
Styrene
Concen: 5.493 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion:104 Resp: 258839
Ion Ratio Lower Upper
104 100
78 48.8 32.7 60.7

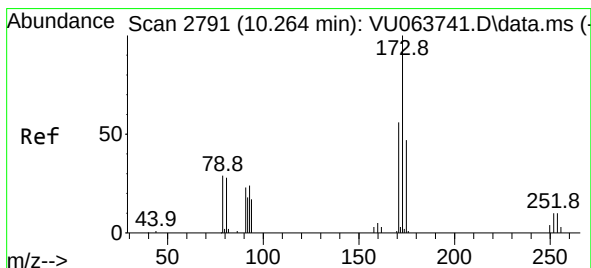
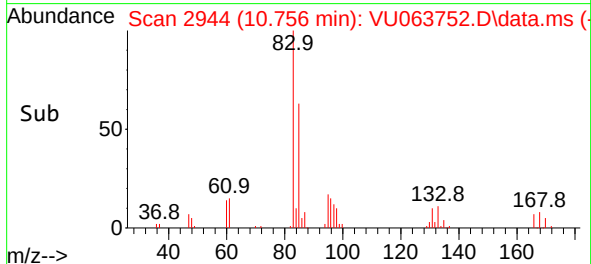
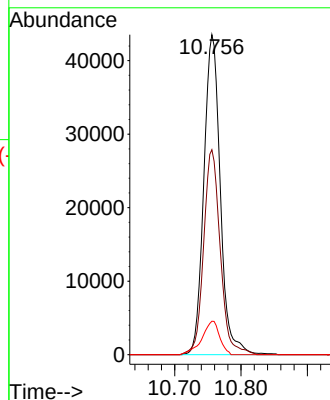
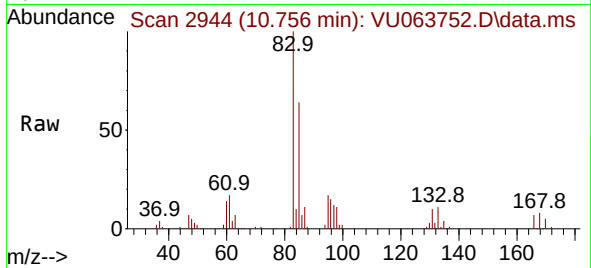




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.173 ug/L
 RT: 10.756 min Scan# 2944
 Delta R.T. -0.000 min
 Lab File: VU063752.D
 Acq: 20 Nov 2025 11:10

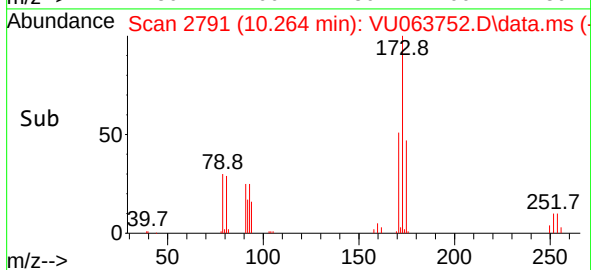
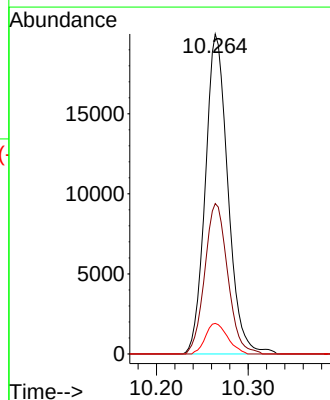
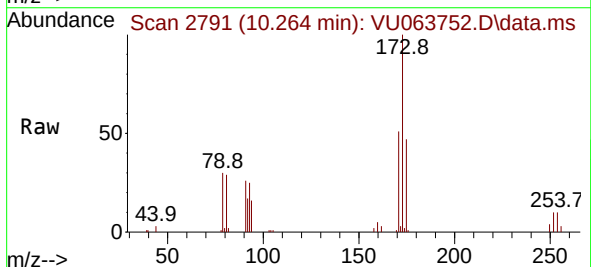
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

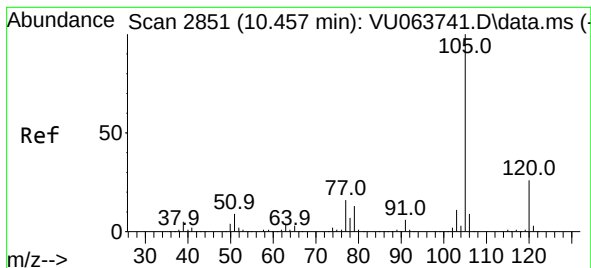
Tgt Ion: 83 Resp: 75134
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.2 84.0
 131 10.5 8.4 12.6



#59
 Bromoform
 Concen: 5.205 ug/L
 RT: 10.264 min Scan# 2791
 Delta R.T. -0.000 min
 Lab File: VU063752.D
 Acq: 20 Nov 2025 11:10

Tgt Ion: 173 Resp: 34156
 Ion Ratio Lower Upper
 173 100
 175 47.8 37.8 56.8
 254 9.4 7.8 11.8





#60

Isopropylbenzene

Concen: 5.500 ug/L

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

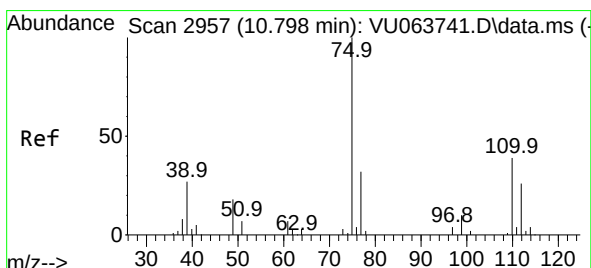
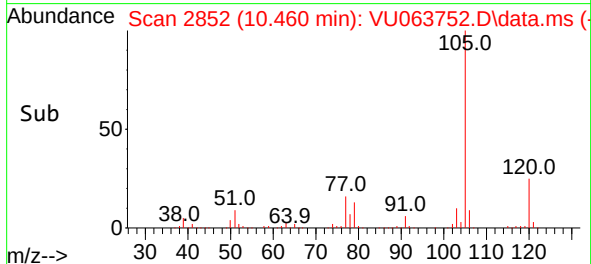
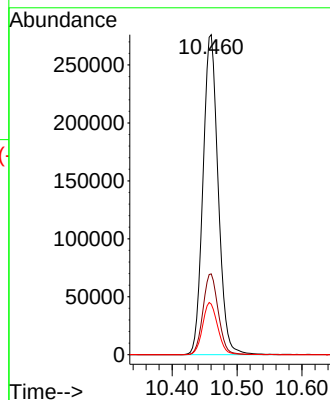
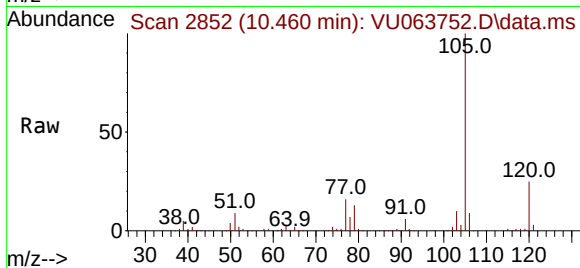
Tgt Ion:105 Resp: 448709

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

77 16.3 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.316 ug/L

RT: 10.798 min Scan# 2957

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

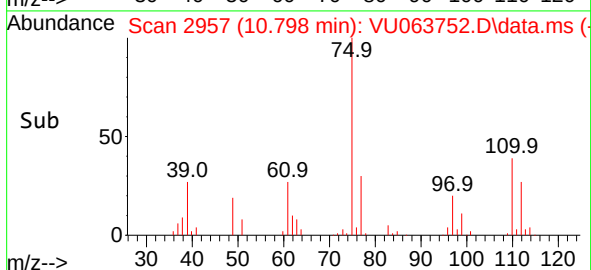
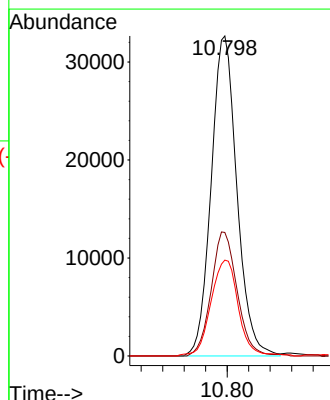
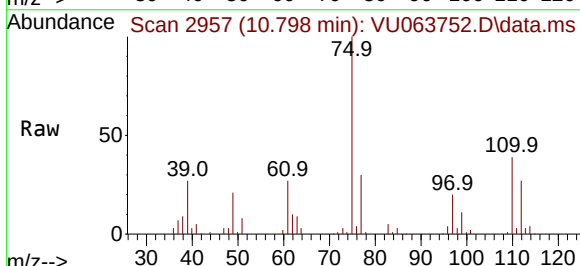
Tgt Ion: 75 Resp: 54334

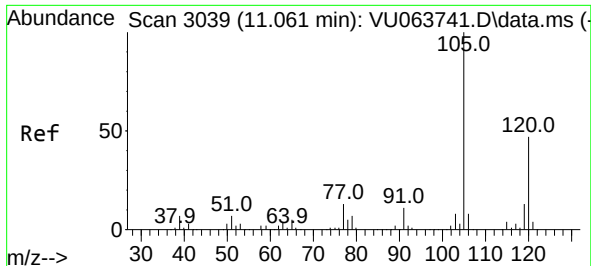
Ion Ratio Lower Upper

75 100

110 39.0 31.2 46.8

77 31.8 26.6 40.0

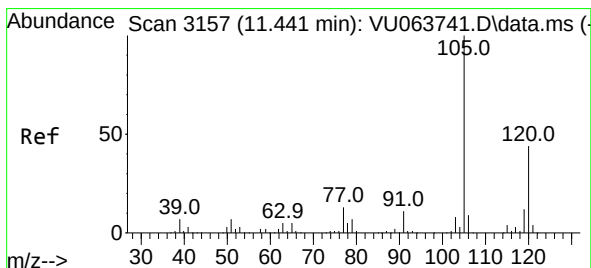
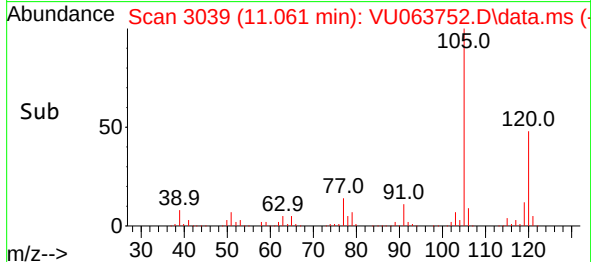
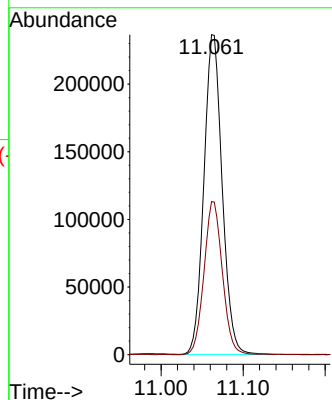
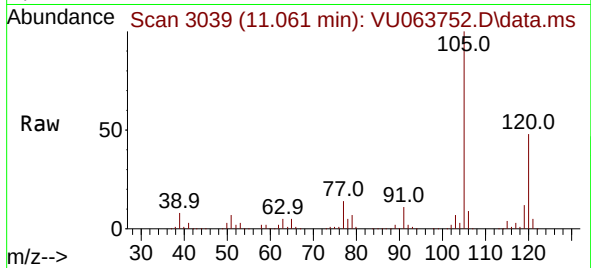




#62
1,3,5-Trimethylbenzene
Concen: 5.369 ug/L
RT: 11.061 min Scan# 3039
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

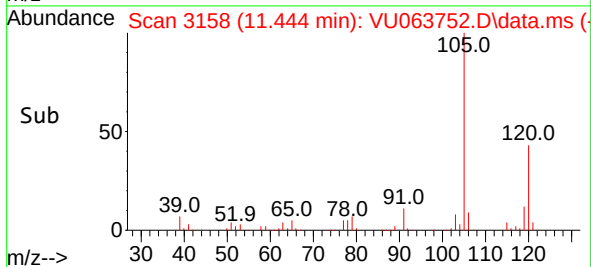
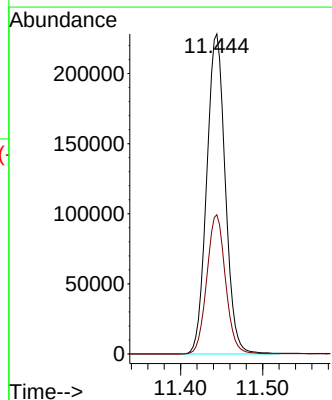
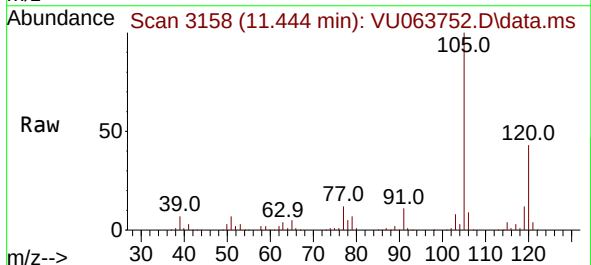
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

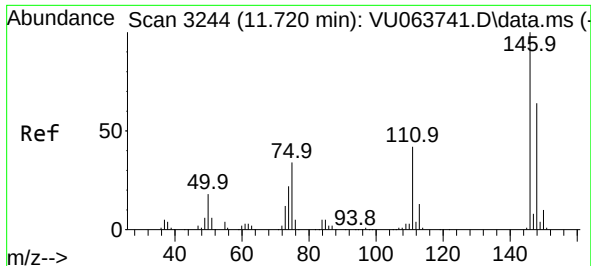
Tgt Ion:105 Resp: 365392
Ion Ratio Lower Upper
105 100
120 48.2 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 5.445 ug/L
RT: 11.444 min Scan# 3158
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion:105 Resp: 359769
Ion Ratio Lower Upper
105 100
120 43.7 35.1 52.7

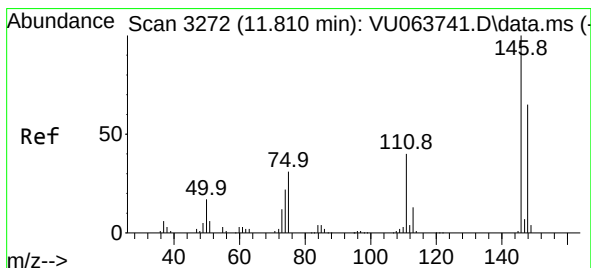
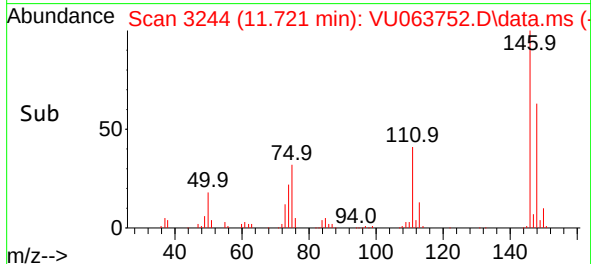
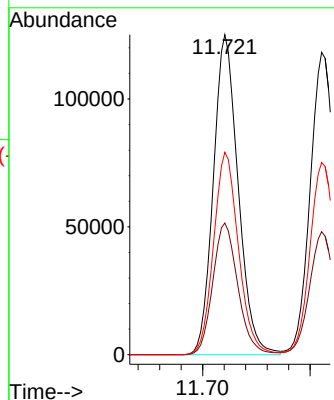
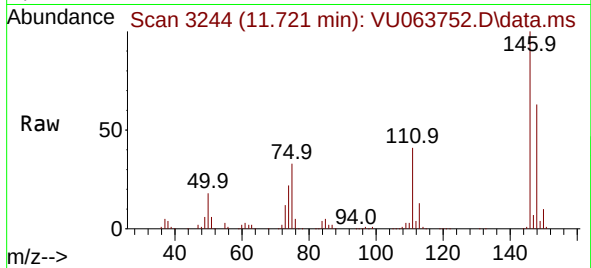




#64
1,3-Dichlorobenzene
Concen: 5.197 ug/L
RT: 11.721 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

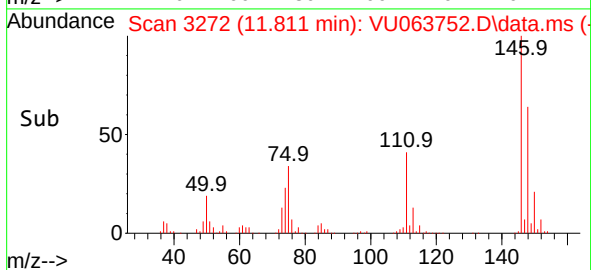
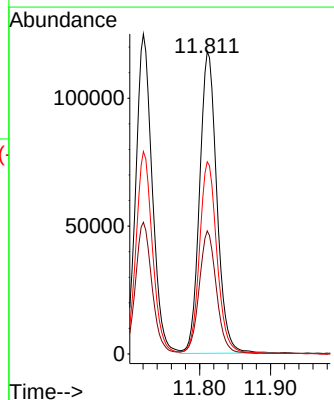
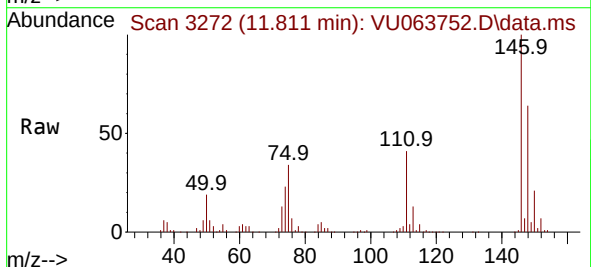
Instrument :
MSVOA_U
ClientSampleId :
VSTD005150

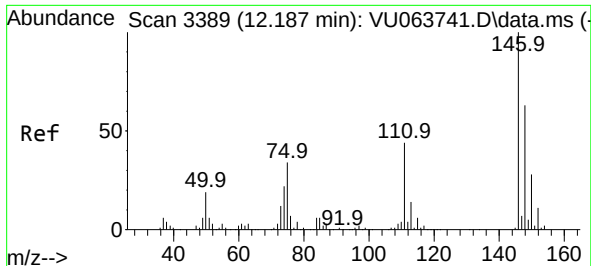
Tgt Ion:146 Resp: 200644
Ion Ratio Lower Upper
146 100
111 41.1 29.5 54.9
148 63.3 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 5.094 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. -0.000 min
Lab File: VU063752.D
Acq: 20 Nov 2025 11:10

Tgt Ion:146 Resp: 199323
Ion Ratio Lower Upper
146 100
111 40.7 27.9 51.7
148 63.6 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 5.293 ug/L

RT: 12.187 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

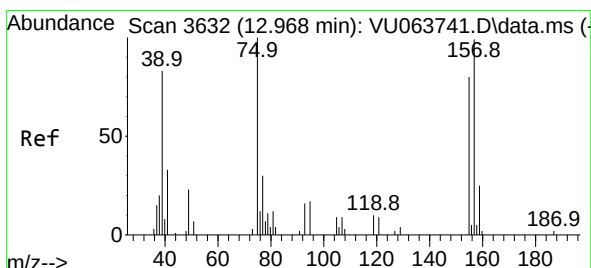
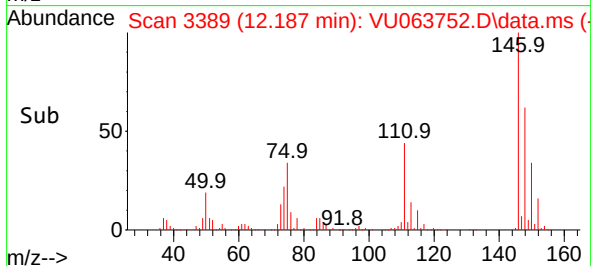
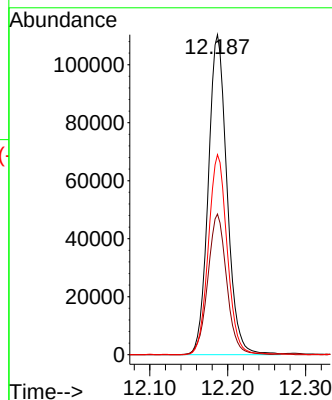
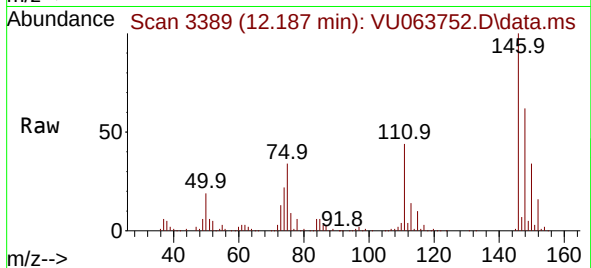
Tgt Ion:146 Resp: 184416

Ion Ratio Lower Upper

146 100

111 43.9 35.0 52.4

148 62.5 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.549 ug/L

RT: 12.971 min Scan# 3633

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

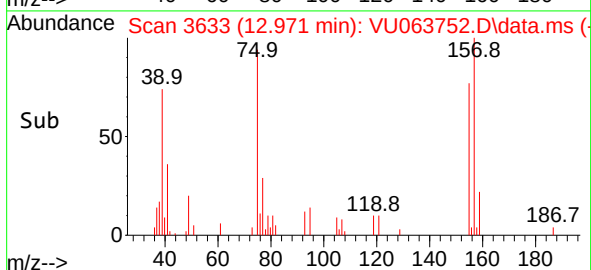
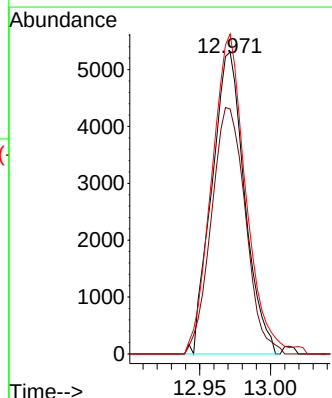
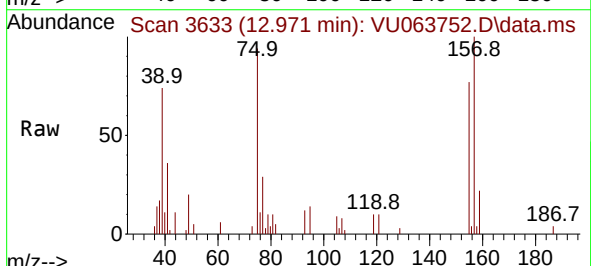
Tgt Ion: 75 Resp: 8552

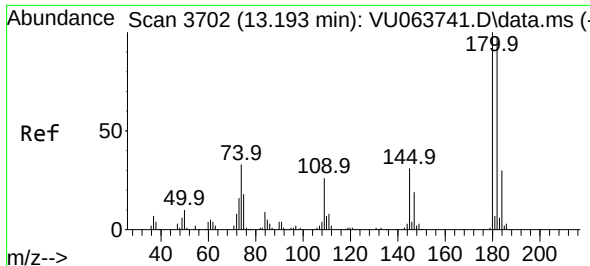
Ion Ratio Lower Upper

75 100

155 81.1 64.1 96.1

157 106.0 79.0 118.4

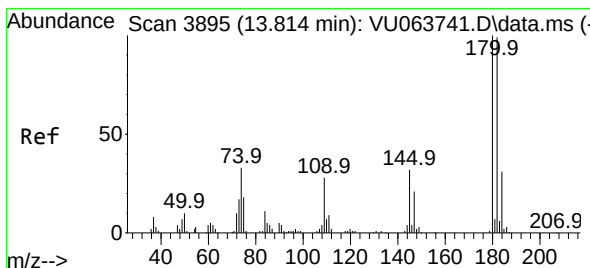
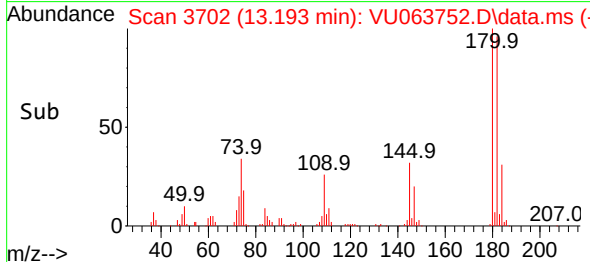
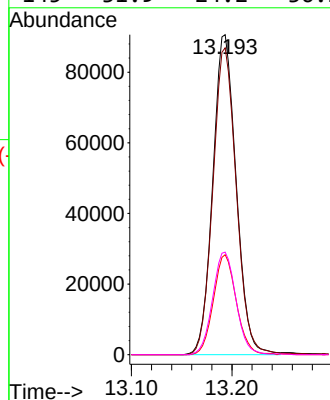
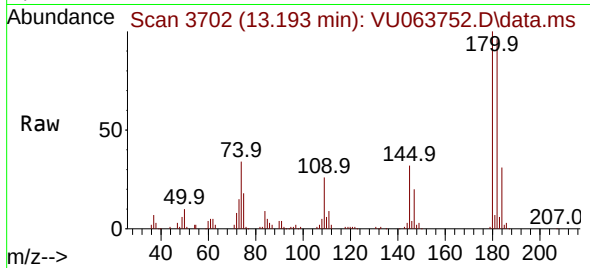




#69
 1,3,5-Trichlorobenzene
 Concen: 5.178 ug/L
 RT: 13.193 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063752.D
 Acq: 20 Nov 2025 11:10

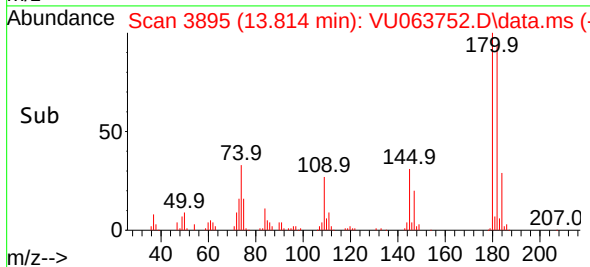
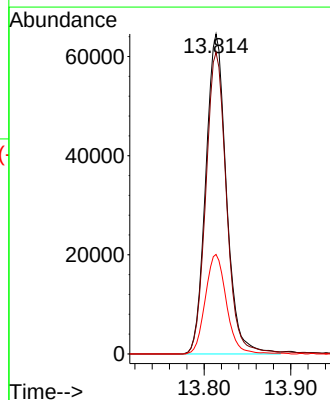
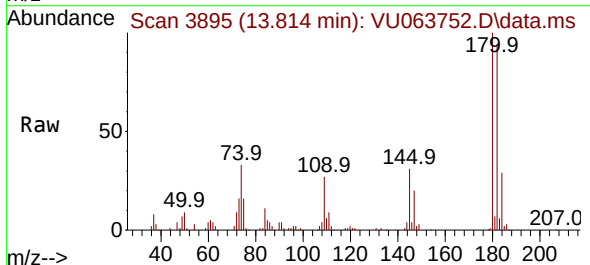
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

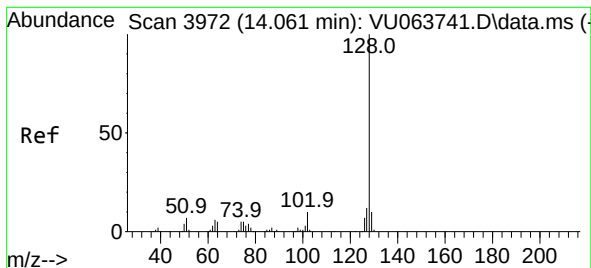
Tgt Ion:180 Resp: 146439
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.4 114.6
 184 30.6 23.8 35.6
 145 31.9 24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.770 ug/L
 RT: 13.814 min Scan# 3895
 Delta R.T. -0.000 min
 Lab File: VU063752.D
 Acq: 20 Nov 2025 11:10

Tgt Ion:180 Resp: 107084
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.8 116.6
 145 31.9 26.1 39.1





#71

Naphthalene

Concen: 3.975 ug/L

RT: 14.061 min Scan# 3972

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD005150

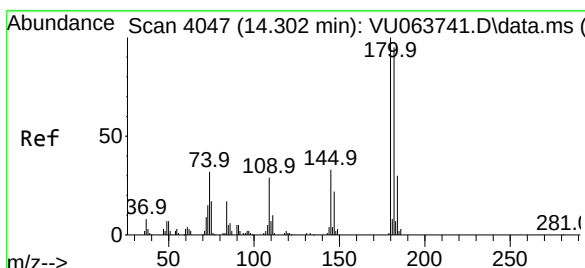
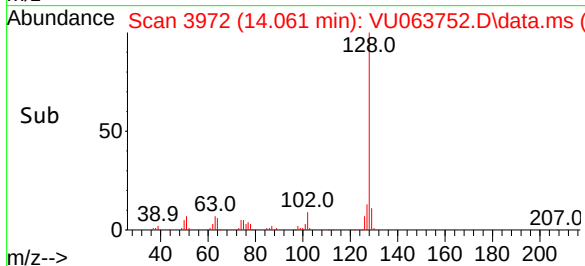
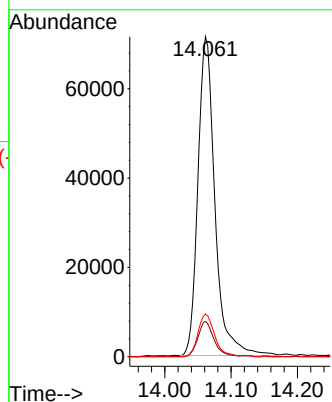
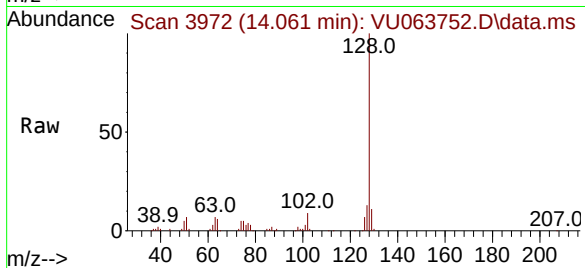
Tgt Ion:128 Resp: 127186

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

127 13.1 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.606 ug/L

RT: 14.303 min Scan# 4047

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Tgt Ion:180 Resp: 86483

Ion Ratio Lower Upper

180 100

182 93.3 75.7 113.5

145 33.0 27.1 40.7

