

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112025\
 Data File : VU063749.D
 Acq On : 20 Nov 2025 08:49
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

Quant Time: Nov 21 04:12:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 03:09:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	153195	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	156797	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	97866	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	89957	5.503	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 110.000%		
7) Chloroethane-d5	1.891	69	80813	5.744	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 114.800%		
11) 1,1-Dichloroethene-d2	2.541	65	42550	5.663	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 113.200%		
20) 2-Butanone-d5	4.592	46	162994	57.401	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 114.800%		
24) Chloroform-d	5.030	84	200761	5.903	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 118.000%		
26) 1,2-Dichloroethane-d4	5.673	65	100520	5.732	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 114.600%		
32) Benzene-d6	5.695	84	388496	5.938	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 118.800%		
36) 1,2-Dichloropropane-d6	6.660	67	110488	5.976	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 119.600%		
41) Toluene-d8	7.872	98	359485	5.699	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 114.000%		
43) trans-1,3-Dichloroprop...	8.155	79	37246	5.989	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 119.800%		
46) 2-Hexanone-d5	8.605	63	126002	58.301	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 116.600%		
56) 1,1,2,2-Tetrachloroeth...	10.730	84	81398	5.828	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 116.600%		
66) 1,2-Dichlorobenzene-d4	12.168	152	123576	5.834	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 116.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.371	85	65462	5.794	ug/L	99
3) Chloromethane	1.506	50	47777	5.445	ug/L	98
5) Vinyl chloride	1.586	62	62564	5.615	ug/L	98
6) Bromomethane	1.837	94	38737	5.473	ug/L	97
8) Chloroethane	1.914	64	44992	5.480	ug/L	99
9) Trichlorofluoromethane	2.120	101	120607	5.513	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	76188	5.805	ug/L	99
12) 1,1-Dichloroethene	2.557	96	57065	5.643	ug/L	99
13) Acetone	2.602	43	127365	54.843	ug/L	99
14) Carbon disulfide	2.766	76	72387	5.205	ug/L	99
15) Methyl Acetate	2.927	43	26755	5.846	ug/L	92
16) Methylene chloride	3.017	84	74453	5.282	ug/L	97
17) Methyl tert-butyl Ether	3.335	73	187625	5.574	ug/L	100
18) trans-1,2-Dichloroethene	3.322	96	61793	5.696	ug/L	98
19) 1,1-Dichloroethane	3.834	63	145309	5.722	ug/L	98
21) 2-Butanone	4.670	43	178506	56.007	ug/L	100
22) cis-1,2-Dichloroethene	4.634	96	84028	5.586	ug/L	98
23) Bromochloromethane	4.946	128	34831	5.572	ug/L	92
25) Chloroform	5.052	83	166545	5.645	ug/L	97

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 Data File : VU063749.D
 Acq On : 20 Nov 2025 08:49
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

Quant Time: Nov 21 04:12:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 03:09:34 2025
 Response via : Initial Calibration

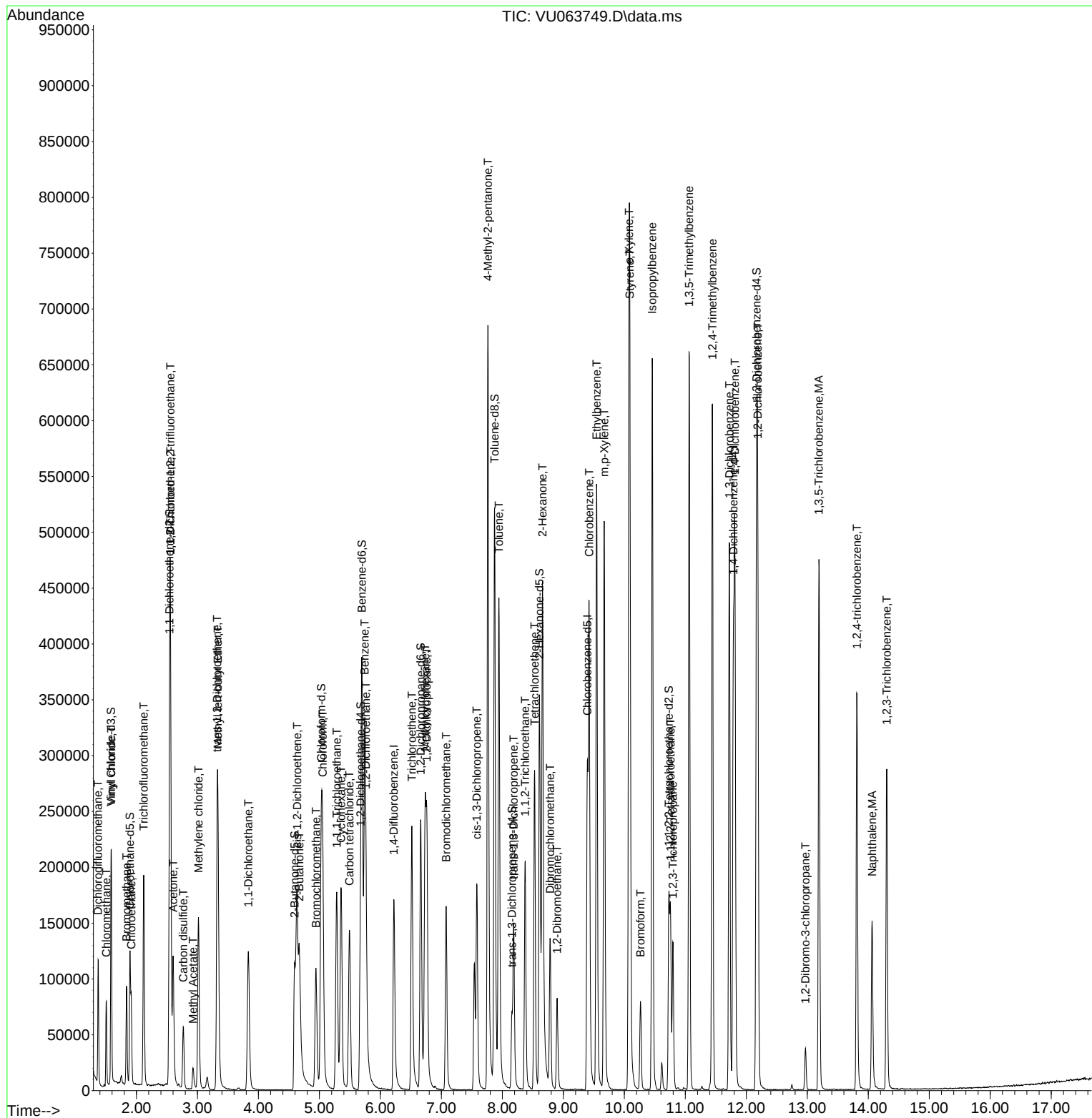
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	96900	5.592	ug/L	98
29) 1,1,1-Trichloroethane	5.284	97	130988	5.843	ug/L	100
30) Cyclohexane	5.354	56	93834	5.669	ug/L	98
31) Carbon tetrachloride	5.493	117	99586	5.863	ug/L	96
33) Benzene	5.743	78	298161	5.690	ug/L	100
34) Trichloroethene	6.515	95	85135	5.474	ug/L	98
35) Methylcyclohexane	6.734	83	101772	5.763	ug/L	98
37) 1,2-Dichloropropane	6.759	63	81859	5.564	ug/L	99
38) Bromodichloromethane	7.078	83	110220	5.688	ug/L	99
39) cis-1,3-Dichloropropene	7.579	75	110336	5.748	ug/L	97
40) 4-Methyl-2-pentanone	7.763	43	439101	55.465	ug/L	99
42) Toluene	7.943	91	335371	5.715	ug/L	97
44) trans-1,3-Dichloropropene	8.184	75	83526	5.734	ug/L	98
45) 1,1,2-Trichloroethane	8.374	97	63526	5.524	ug/L	95
47) Tetrachloroethene	8.528	164	62891	5.494	ug/L	99
48) 2-Hexanone	8.656	43	313909	54.721	ug/L	98
49) Dibromochloromethane	8.782	129	66035	5.634	ug/L	99
50) 1,2-Dibromoethane	8.898	107	54648	5.489	ug/L	96
51) Chlorobenzene	9.422	112	238578	5.532	ug/L	99
52) Ethylbenzene	9.544	91	405536	5.573	ug/L	99
53) m,p-Xylene	9.669	106	150576	5.480	ug/L	100
54) o-Xylene	10.074	106	150814	5.556	ug/L	100
55) Styrene	10.091	104	252770	5.664	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.756	83	73117	5.315	ug/L	97
59) Bromoform	10.264	173	34876	5.894	ug/L	98
60) Isopropylbenzene	10.457	105	432554	5.880	ug/L	100
61) 1,2,3-Trichloropropane	10.798	75	53334	5.787	ug/L	98
62) 1,3,5-Trimethylbenzene	11.062	105	356100	5.803	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	347509	5.834	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	196641	5.648	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	194202	5.504	ug/L	98
67) 1,2-Dichlorobenzene	12.187	146	177547	5.651	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.968	75	9250	5.456	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	143733	5.637	ug/L	98
70) 1,2,4-trichlorobenzene	13.814	180	108061	5.339	ug/L	97
71) Naphthalene	14.061	128	131518	4.559	ug/L	100
72) 1,2,3-Trichlorobenzene	14.303	180	87480	5.167	ug/L	99

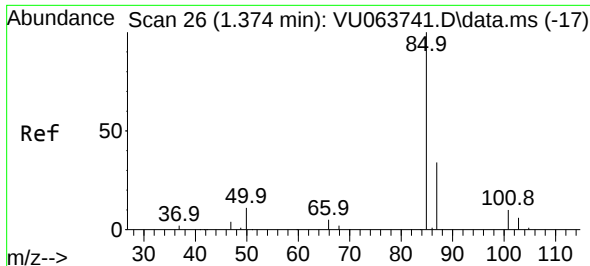
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112025\
 Data File : VU063749.D
 Acq On : 20 Nov 2025 08:49
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

Quant Time: Nov 21 04:12:34 2025
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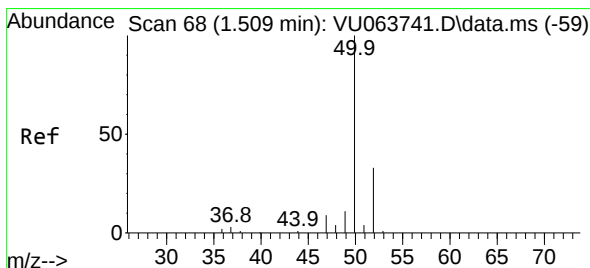
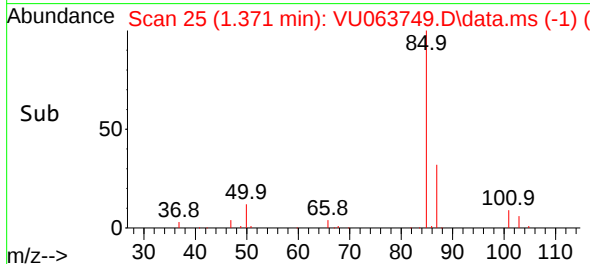
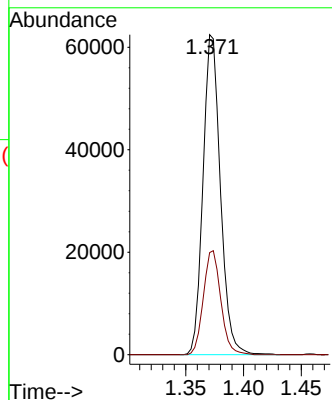
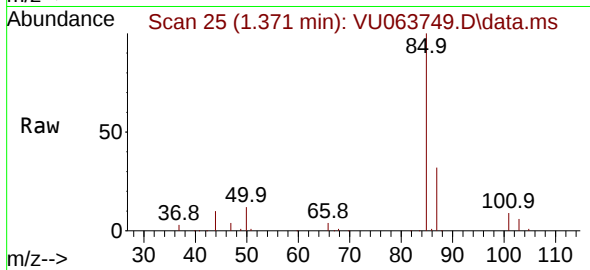




#2
 Dichlorodifluoromethane
 Concen: 5.794 ug/L
 RT: 1.371 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063749.D
 Acq: 20 Nov 2025 08:49

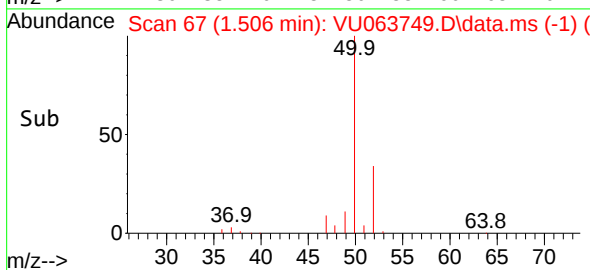
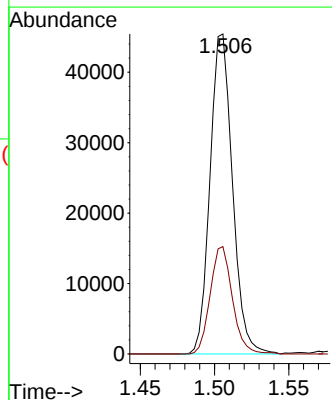
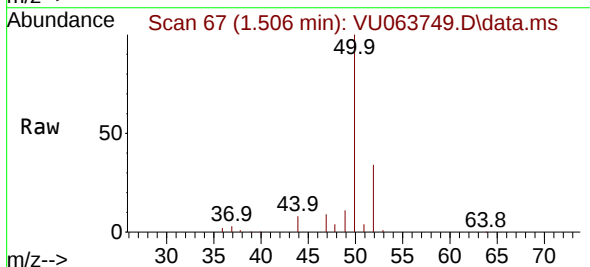
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

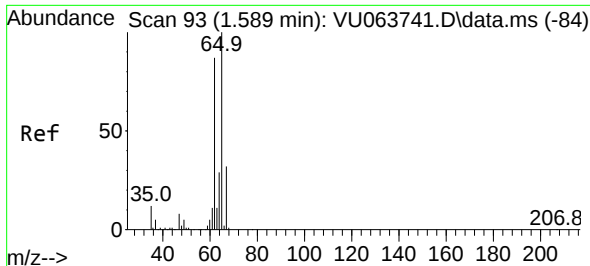
Tgt Ion: 85 Resp: 65462
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.4 39.6



#3
 Chloromethane
 Concen: 5.445 ug/L
 RT: 1.506 min Scan# 67
 Delta R.T. -0.003 min
 Lab File: VU063749.D
 Acq: 20 Nov 2025 08:49

Tgt Ion: 50 Resp: 47777
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.7 42.3

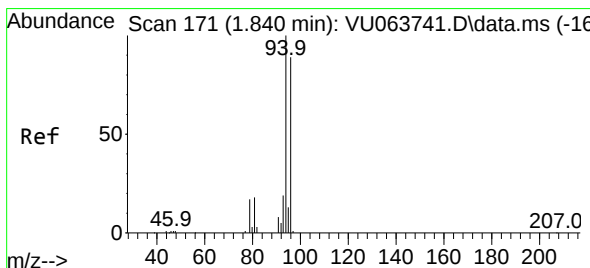
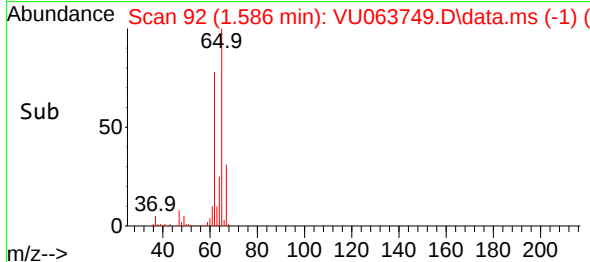
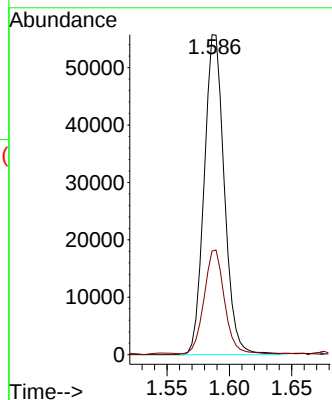
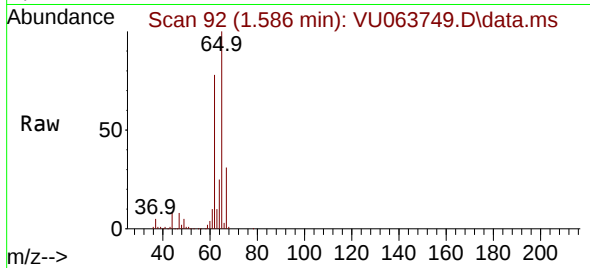




#5
 Vinyl chloride
 Concen: 5.615 ug/L
 RT: 1.586 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063749.D
 Acq: 20 Nov 2025 08:49

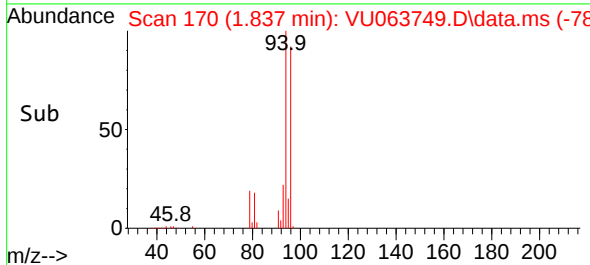
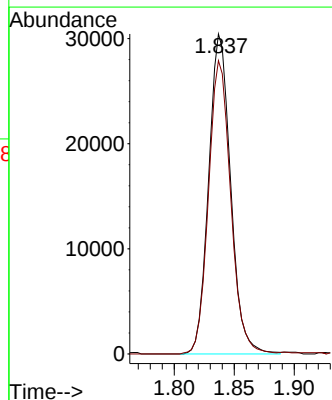
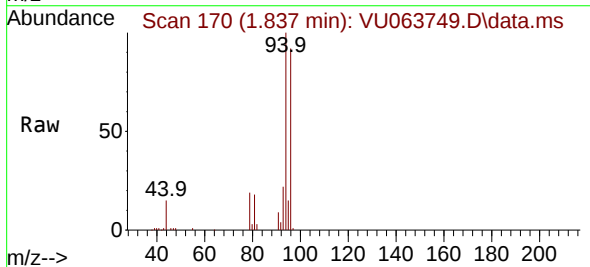
Instrument :
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 ClientSampleId :
 VSTD005149

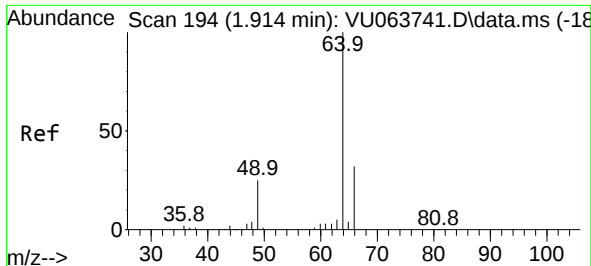
Tgt Ion: 62 Resp: 62564
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.5 43.7



#6
 Bromomethane
 Concen: 5.473 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. -0.003 min
 Lab File: VU063749.D
 Acq: 20 Nov 2025 08:49

Tgt Ion: 94 Resp: 38737
 Ion Ratio Lower Upper
 94 100
 96 91.6 62.1 115.3

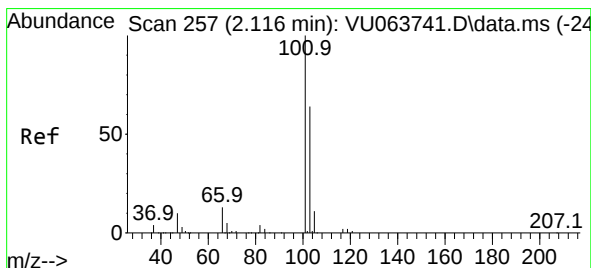
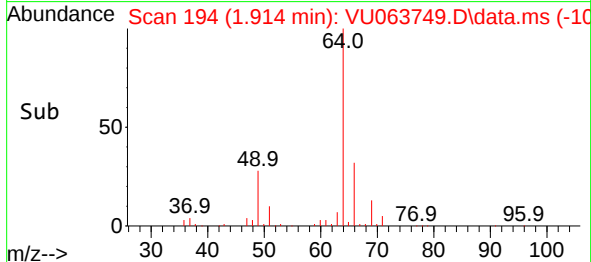
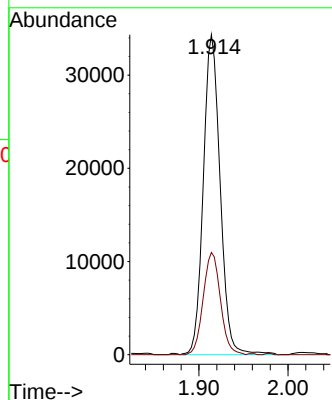
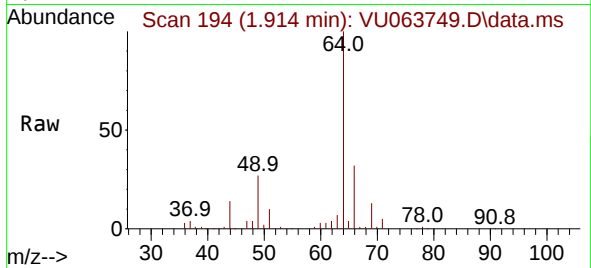




#8
Chloroethane
Concen: 5.480 ug/L
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

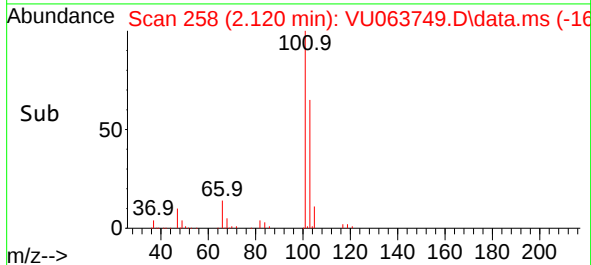
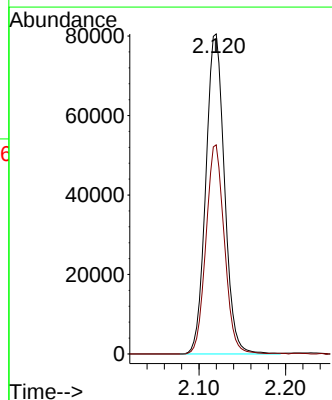
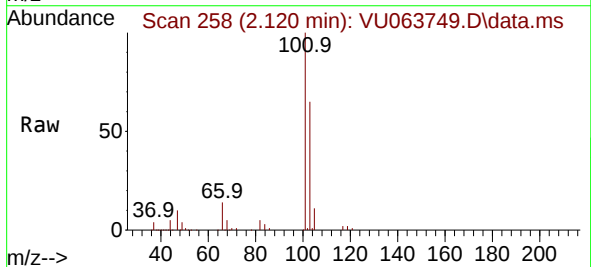
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

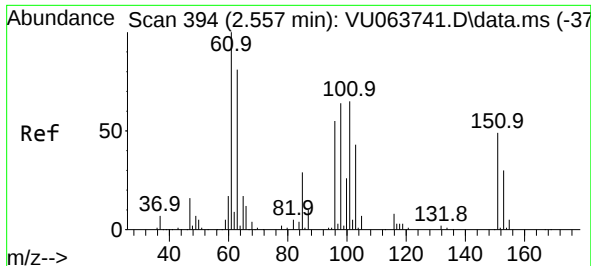
Tgt Ion: 64 Resp: 44992
Ion Ratio Lower Upper
64 100
66 32.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.513 ug/L
RT: 2.120 min Scan# 258
Delta R.T. 0.003 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion: 101 Resp: 120607
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.805 ug/L

RT: 2.557 min Scan# 394

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

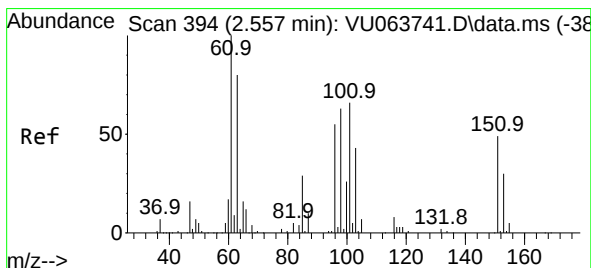
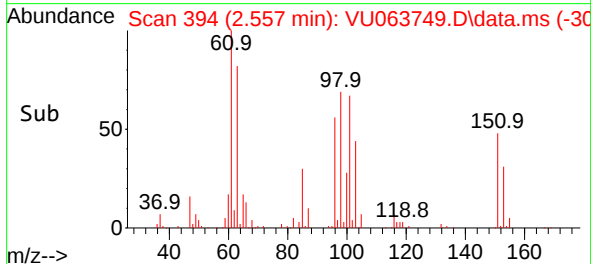
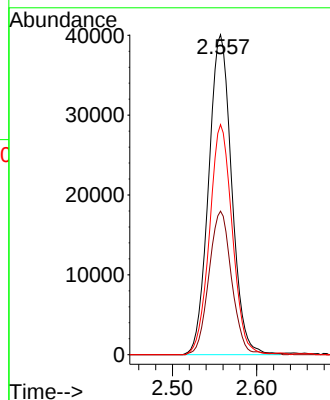
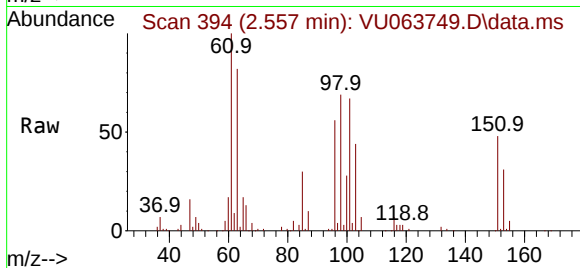
Tgt Ion:101 Resp: 76188

Ion Ratio Lower Upper

101 100

85 44.3 35.7 53.5

151 70.9 58.1 87.1



#12

1,1-Dichloroethene

Concen: 5.643 ug/L

RT: 2.557 min Scan# 394

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

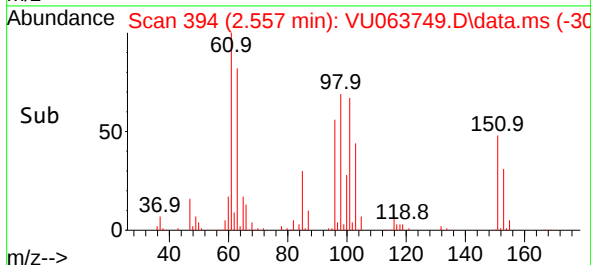
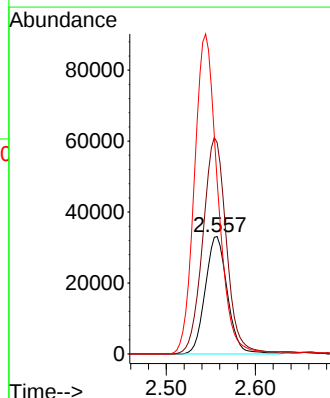
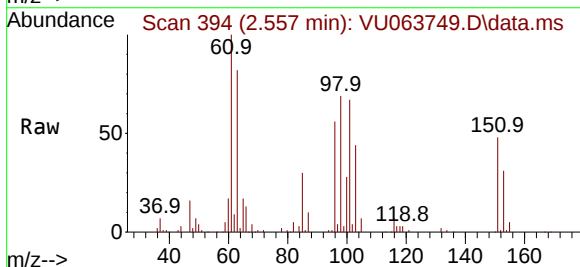
Tgt Ion: 96 Resp: 57065

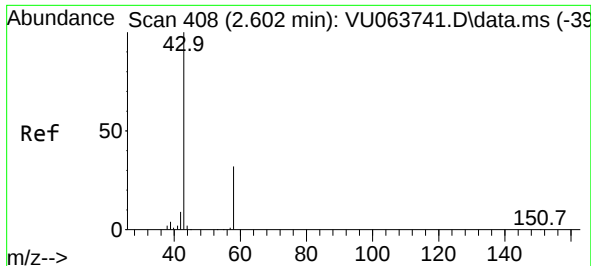
Ion Ratio Lower Upper

96 100

61 180.1 126.6 235.2

63 147.1 104.2 193.4





#13

Acetone

Concen: 54.843 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

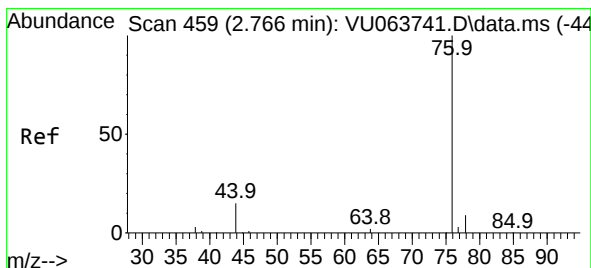
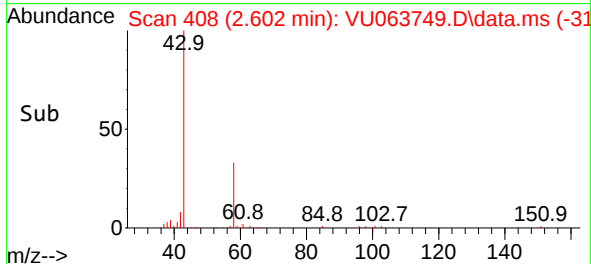
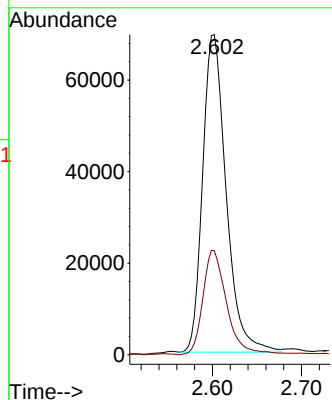
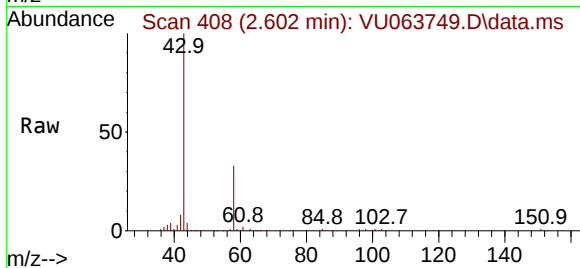
VSTD005149

Tgt Ion: 43 Resp: 127365

Ion Ratio Lower Upper

43 100

58 33.1 0.0 64.8



#14

Carbon disulfide

Concen: 5.205 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063749.D

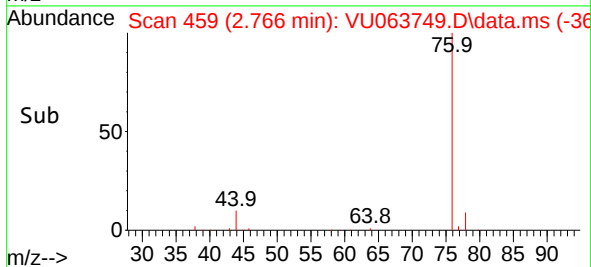
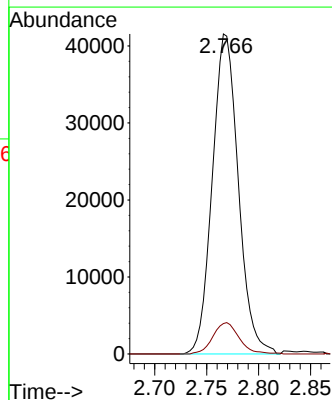
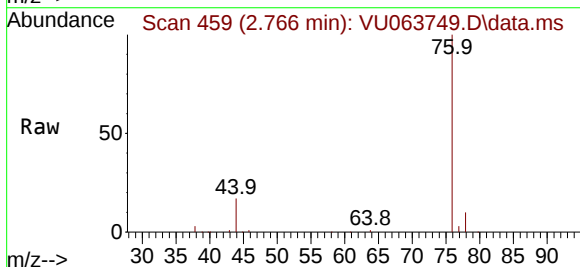
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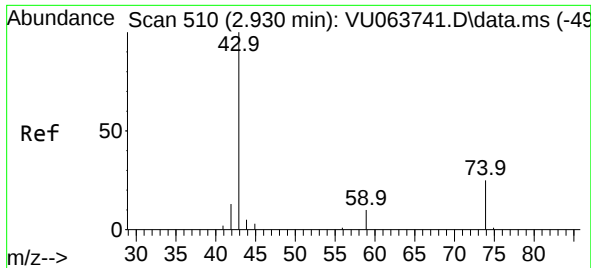
Tgt Ion: 76 Resp: 72387

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

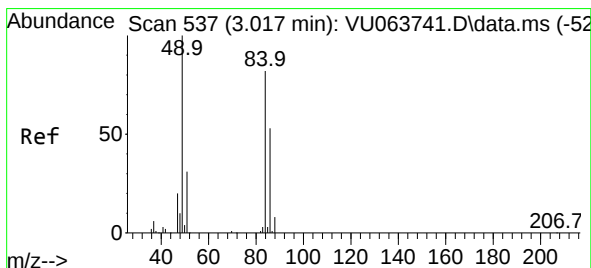
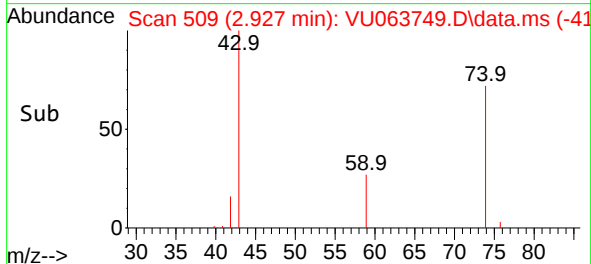
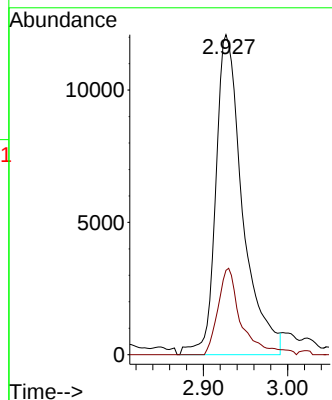
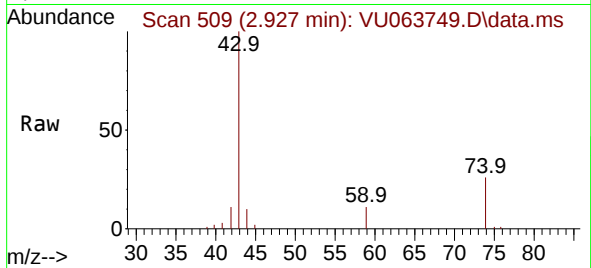




#15
Methyl Acetate
Concen: 5.846 ug/L
RT: 2.927 min Scan# 509
Delta R.T. -0.003 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

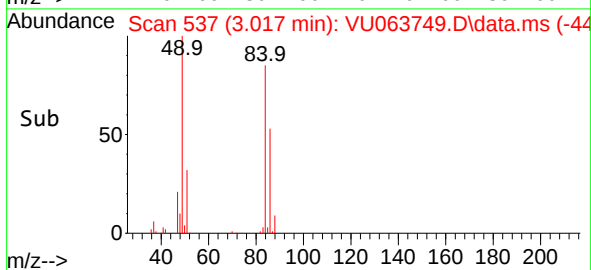
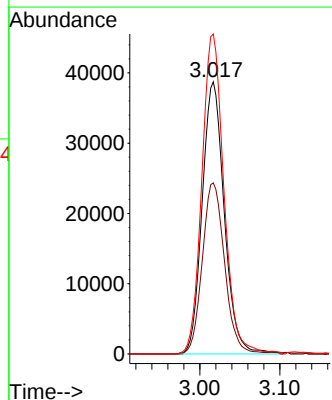
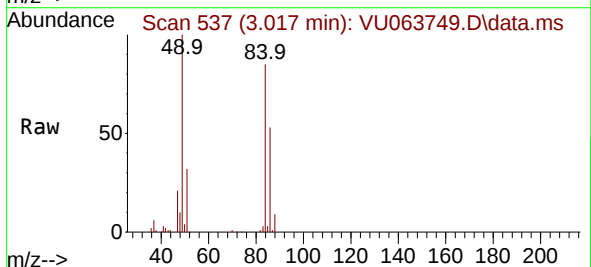
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

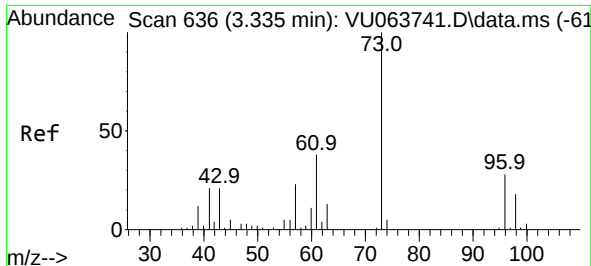
Tgt Ion: 43 Resp: 26755
Ion Ratio Lower Upper
43 100
74 23.2 21.7 32.5



#16
Methylene chloride
Concen: 5.282 ug/L
RT: 3.017 min Scan# 537
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion: 84 Resp: 74453
Ion Ratio Lower Upper
84 100
86 62.9 45.1 83.9
49 117.6 85.2 158.2

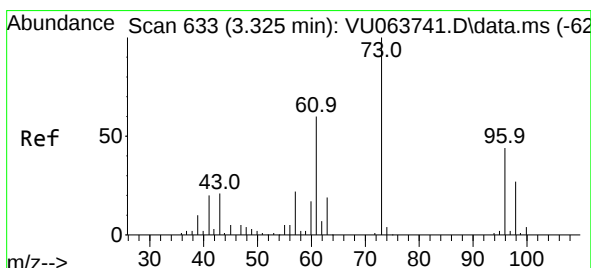
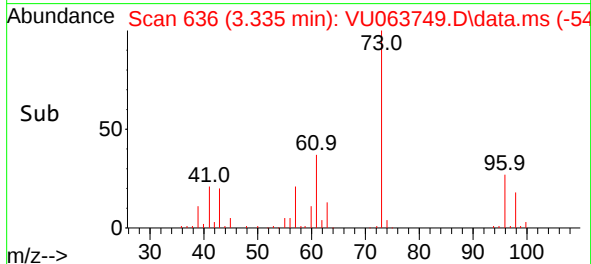
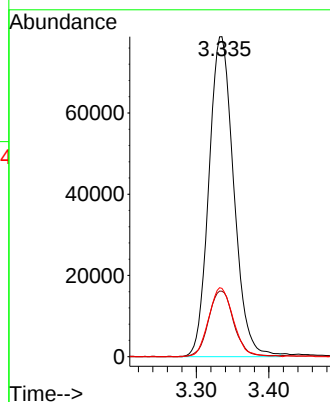
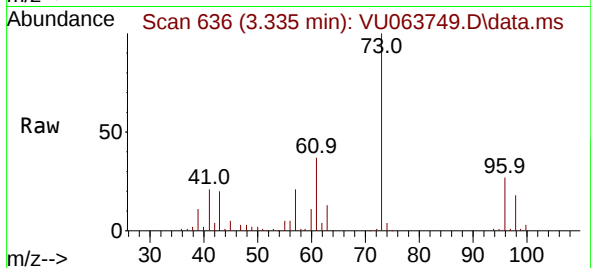




#17
Methyl tert-butyl Ether
Concen: 5.574 ug/L
RT: 3.335 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

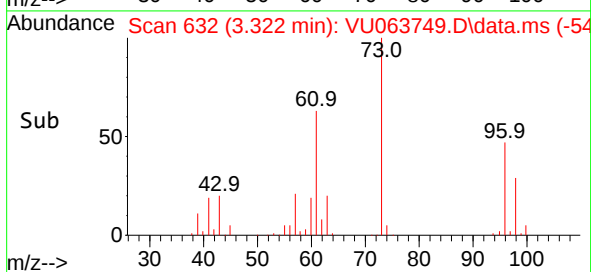
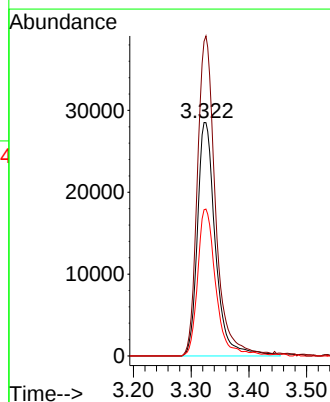
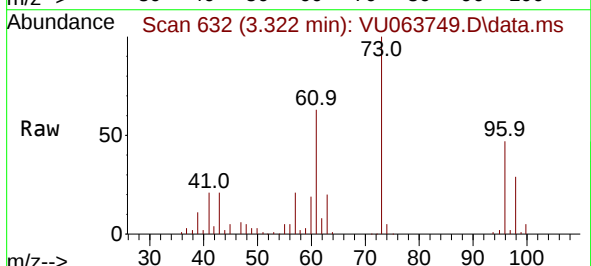
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

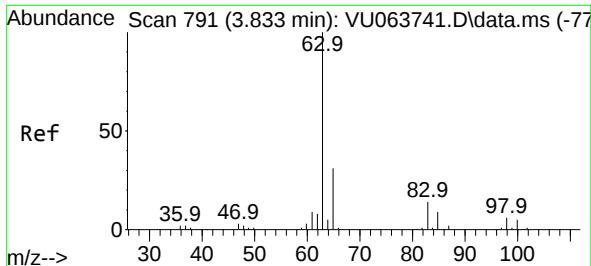
Tgt Ion:	73	Resp:	187625
Ion	Ratio	Lower	Upper
73	100		
43	20.9	17.0	25.4
57	21.4	17.1	25.7



#18
trans-1,2-Dichloroethene
Concen: 5.696 ug/L
RT: 3.322 min Scan# 632
Delta R.T. -0.003 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion:	96	Resp:	61793
Ion	Ratio	Lower	Upper
96	100		
61	134.8	95.8	178.0
98	62.7	43.2	80.2

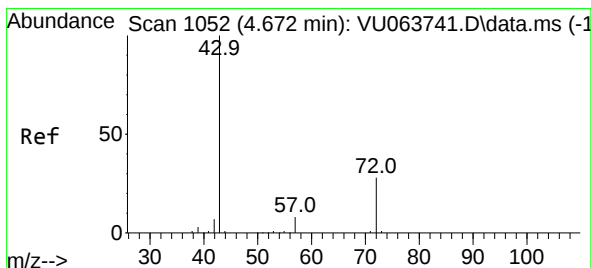
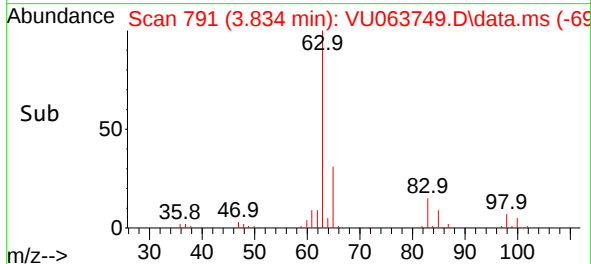
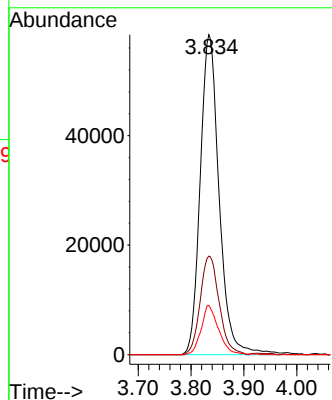
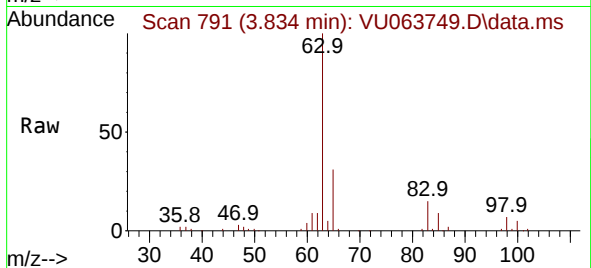




#19
1,1-Dichloroethane
Concen: 5.722 ug/L
RT: 3.834 min Scan# 791
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

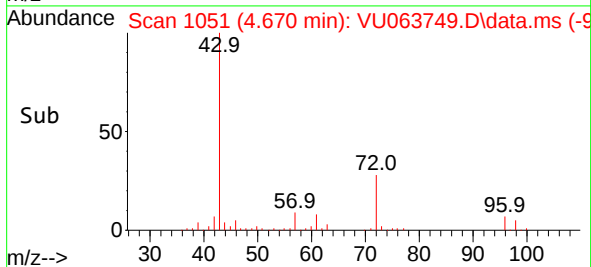
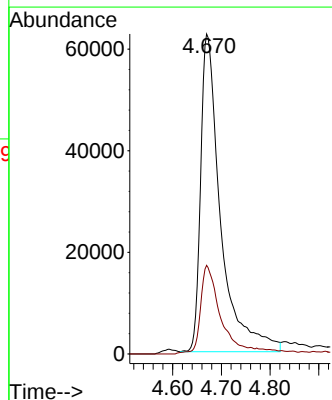
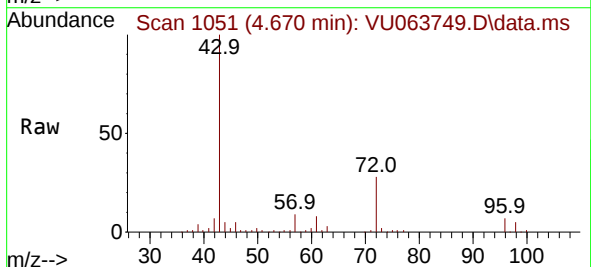
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

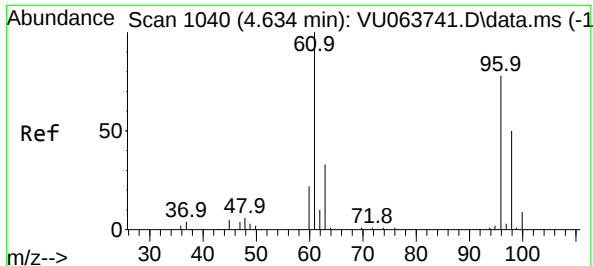
Tgt Ion: 63 Resp: 145309
Ion Ratio Lower Upper
63 100
65 30.8 22.0 40.8
83 15.4 9.9 18.3



#21
2-Butanone
Concen: 56.007 ug/L
RT: 4.670 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion: 43 Resp: 178506
Ion Ratio Lower Upper
43 100
72 27.4 13.6 40.8

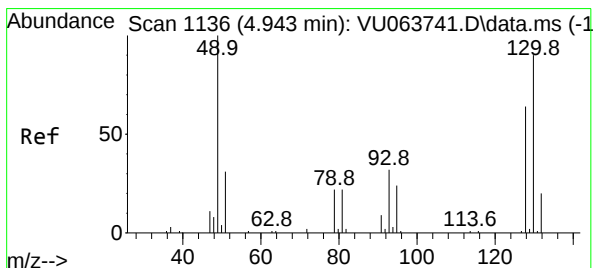
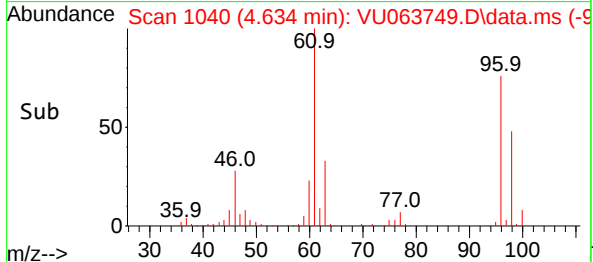
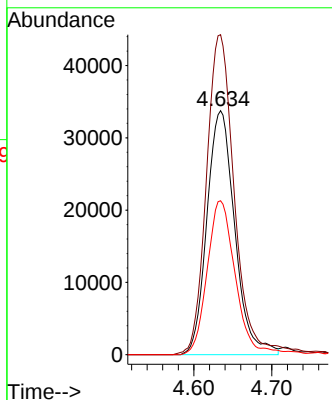
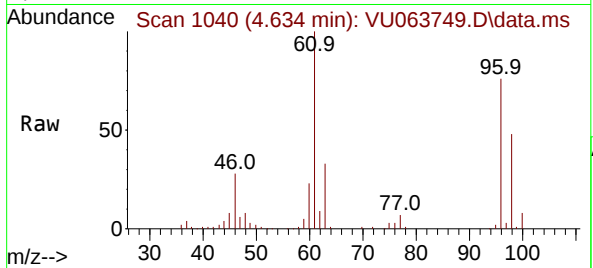




#22
 cis-1,2-Dichloroethene
 Concen: 5.586 ug/L
 RT: 4.634 min Scan# 110
 Delta R.T. 0.000 min
 Lab File: VU063749.D
 Acq: 20 Nov 2025 08:49

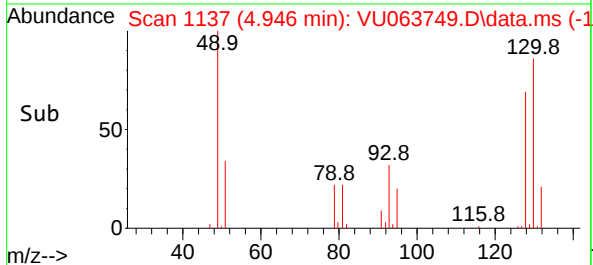
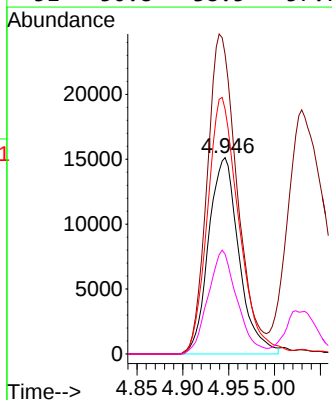
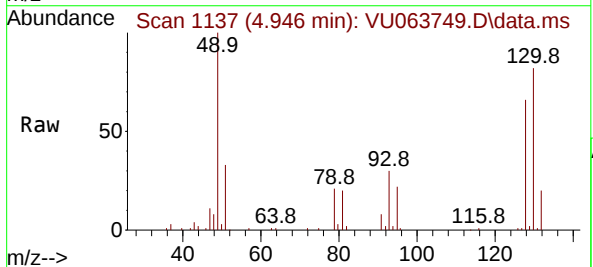
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

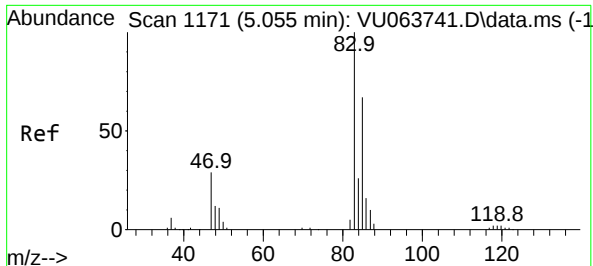
Tgt Ion: 96 Resp: 84028
 Ion Ratio Lower Upper
 96 100
 61 131.2 89.5 166.1
 98 63.1 44.6 82.8



#23
 Bromochloromethane
 Concen: 5.572 ug/L
 RT: 4.946 min Scan# 1137
 Delta R.T. 0.003 min
 Lab File: VU063749.D
 Acq: 20 Nov 2025 08:49

Tgt Ion: 128 Resp: 34831
 Ion Ratio Lower Upper
 128 100
 49 152.6 110.0 204.4
 130 124.7 98.9 183.7
 51 50.8 38.5 57.7





#25

Chloroform

Concen: 5.645 ug/L

RT: 5.052 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

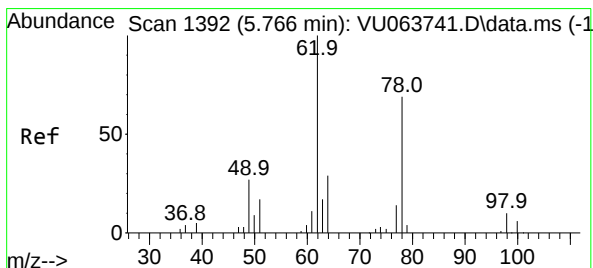
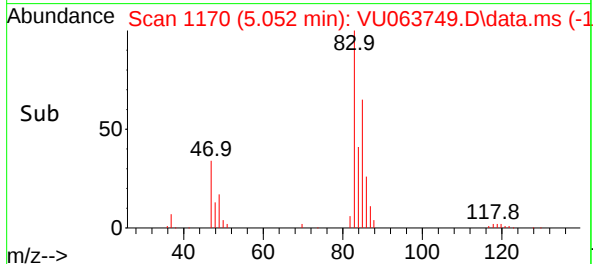
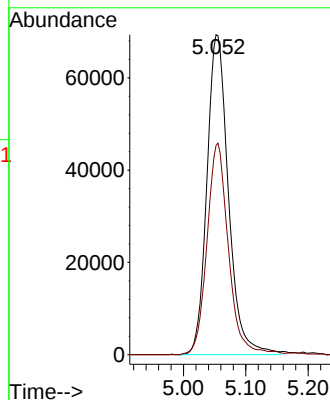
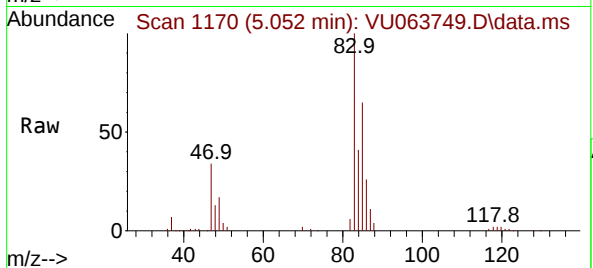
VSTD005149

Tgt Ion: 83 Resp: 166545

Ion Ratio Lower Upper

83 100

85 65.4 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.592 ug/L

RT: 5.763 min Scan# 1391

Delta R.T. -0.003 min

Lab File: VU063749.D

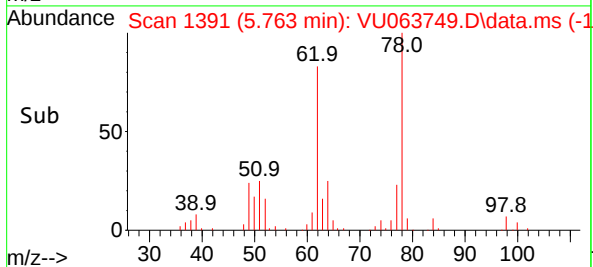
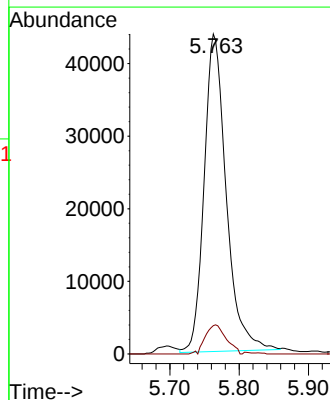
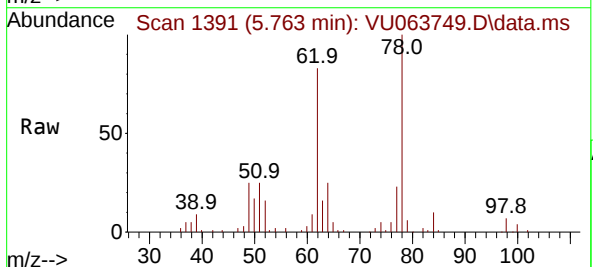
Acq: 20 Nov 2025 08:49

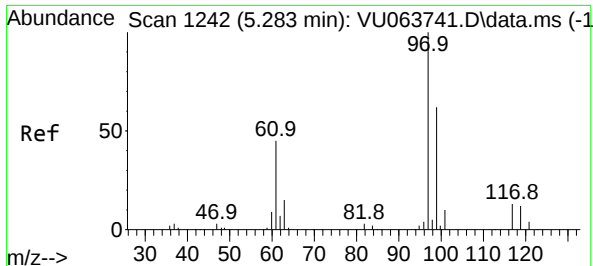
Tgt Ion: 62 Resp: 96900

Ion Ratio Lower Upper

62 100

98 8.8 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.843 ug/L

RT: 5.284 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

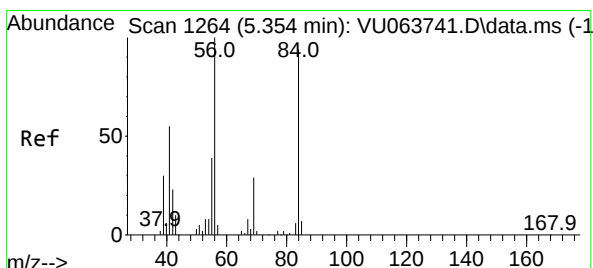
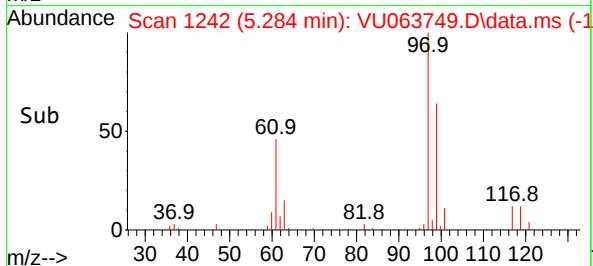
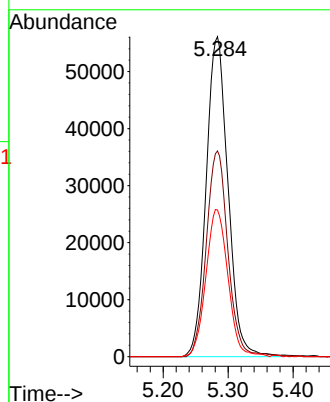
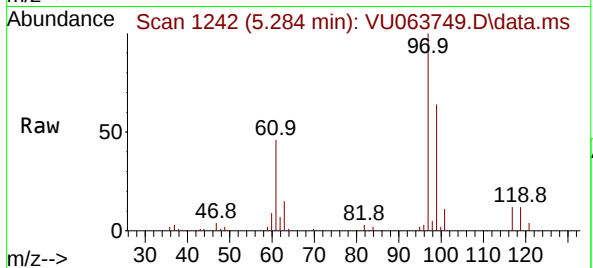
Tgt Ion: 97 Resp: 130988

Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.2

61 46.5 37.4 56.2



#30

Cyclohexane

Concen: 5.669 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

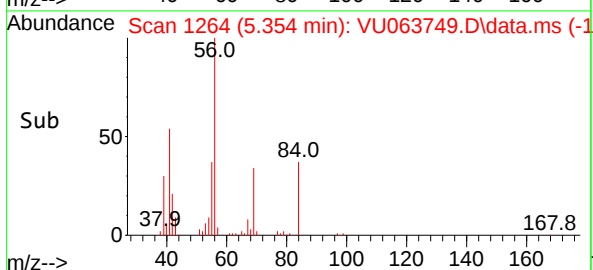
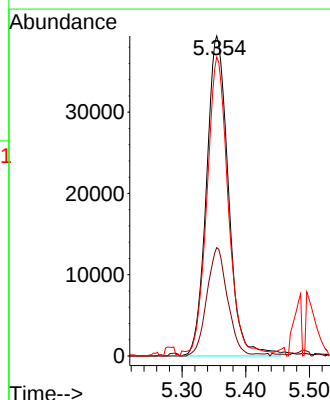
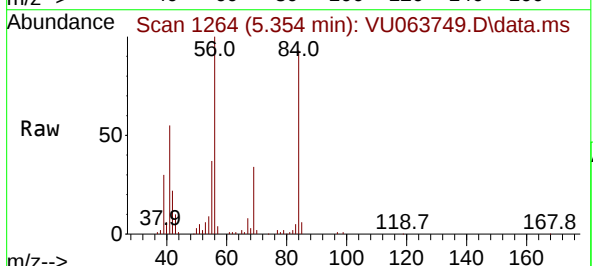
Tgt Ion: 56 Resp: 93834

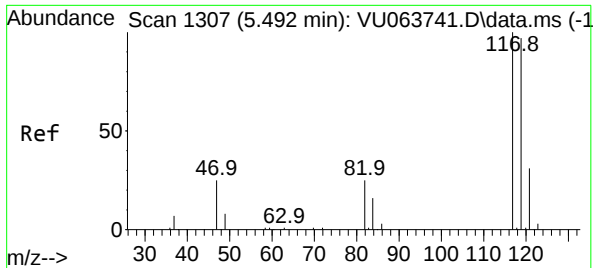
Ion Ratio Lower Upper

56 100

69 32.1 24.3 36.5

84 91.5 72.0 108.0

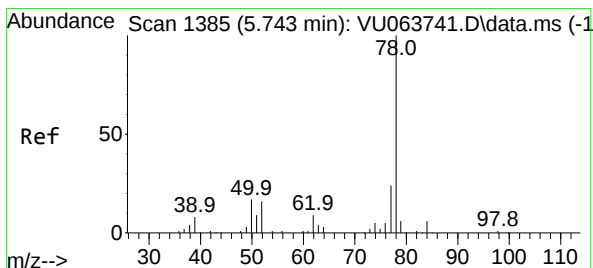
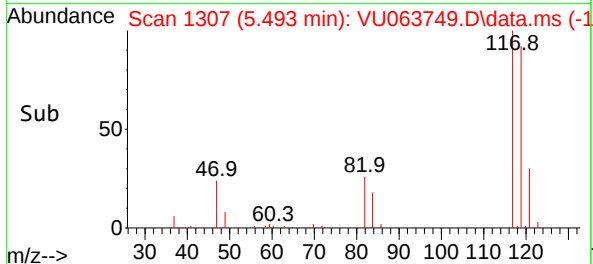
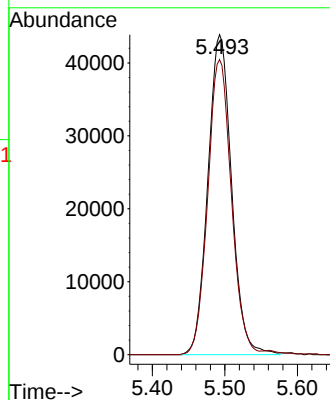
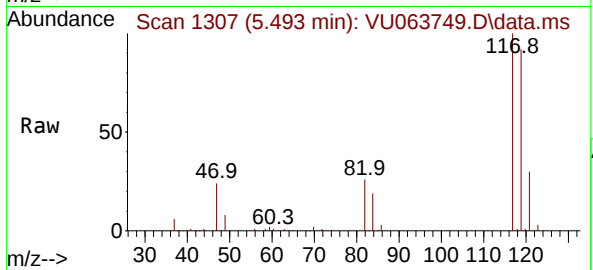




#31
Carbon tetrachloride
Concen: 5.863 ug/L
RT: 5.493 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

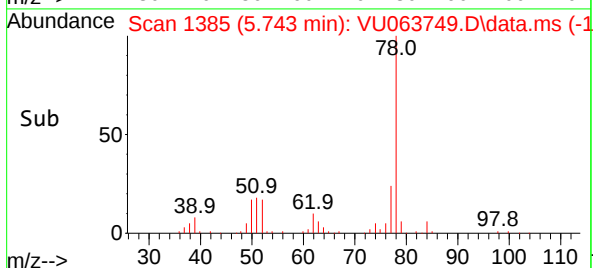
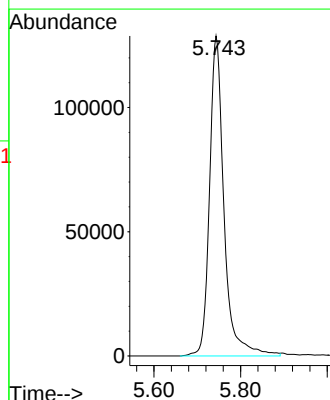
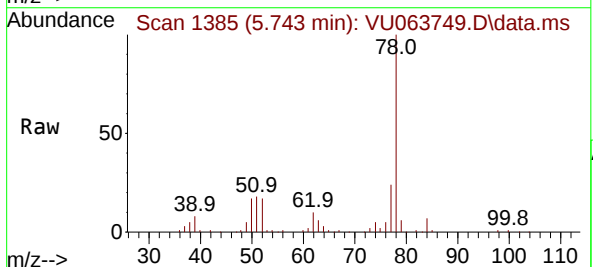
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

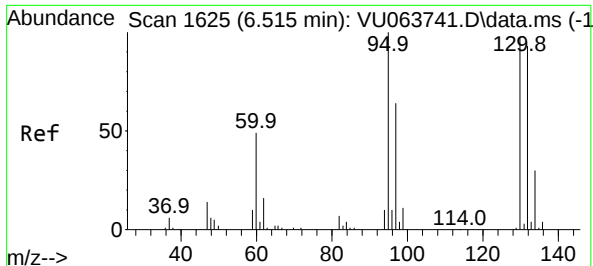
Tgt Ion:117 Resp: 99586
Ion Ratio Lower Upper
117 100
119 91.9 77.0 115.4



#33
Benzene
Concen: 5.690 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion: 78 Resp: 298161





#34

Trichloroethene

Concen: 5.474 ug/L

RT: 6.515 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

Tgt Ion: 95 Resp: 85135

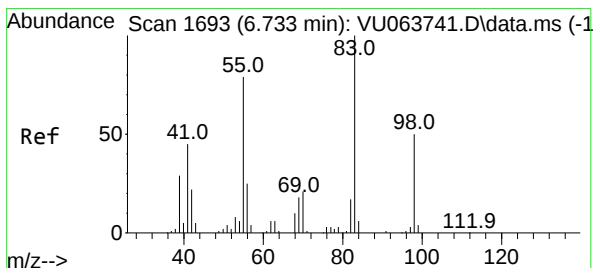
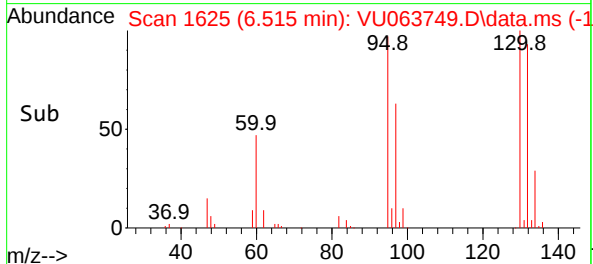
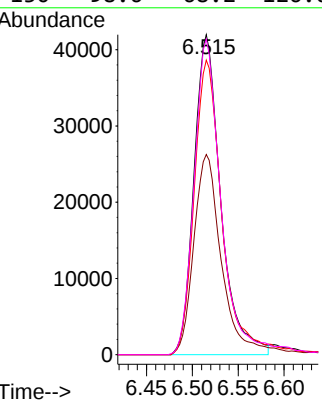
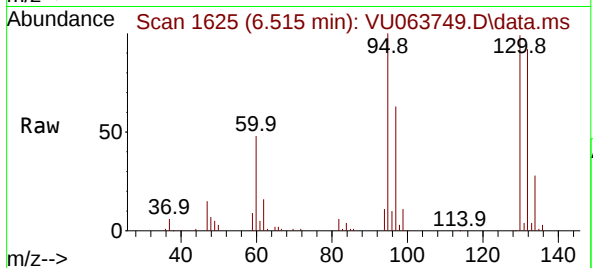
Ion Ratio Lower Upper

95 100

97 62.5 44.9 83.5

132 92.1 65.4 121.4

130 98.6 68.2 126.6



#35

Methylcyclohexane

Concen: 5.763 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

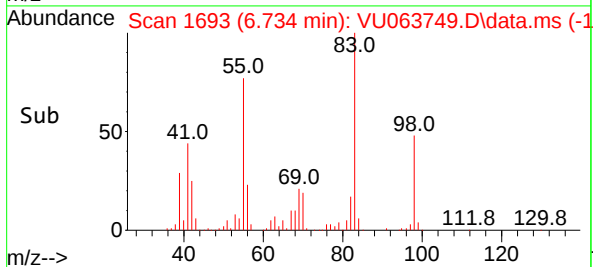
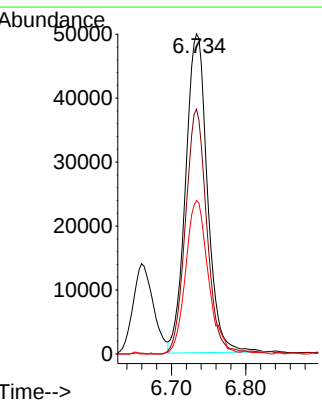
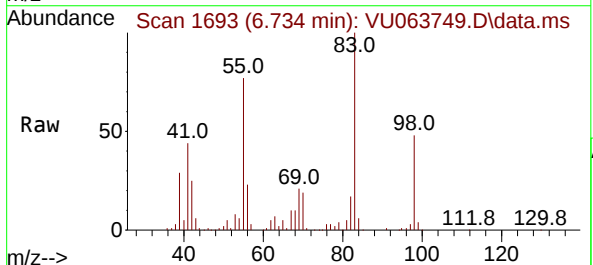
Tgt Ion: 83 Resp: 101772

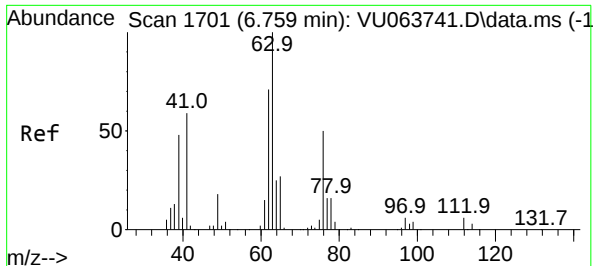
Ion Ratio Lower Upper

83 100

55 75.5 62.5 93.7

98 50.0 40.3 60.5

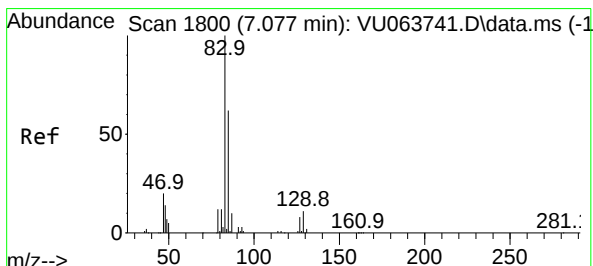
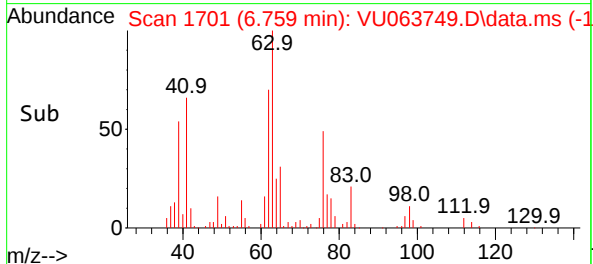
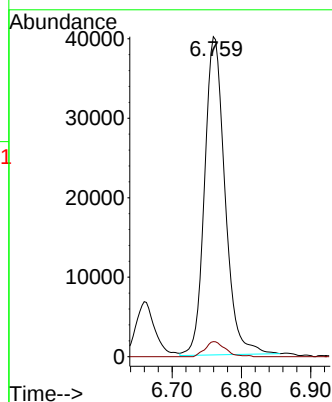
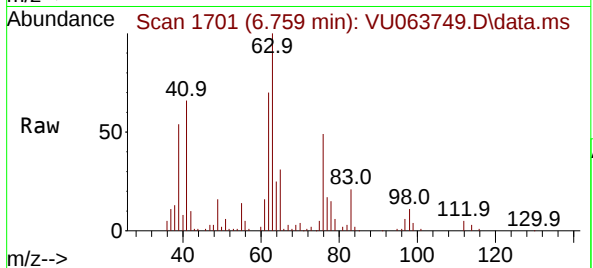




#37
1,2-Dichloropropane
Concen: 5.564 ug/L
RT: 6.759 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

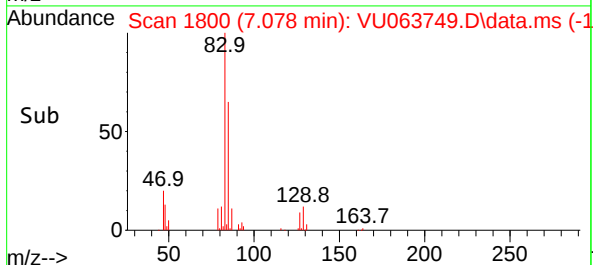
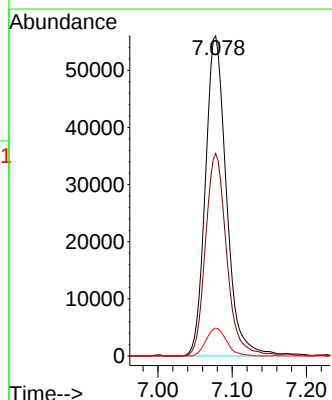
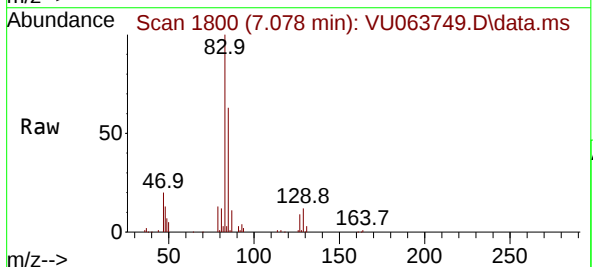
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

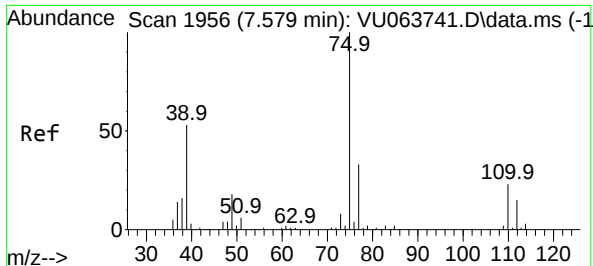
Tgt Ion: 63 Resp: 81859
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.8



#38
Bromodichloromethane
Concen: 5.688 ug/L
RT: 7.078 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion: 83 Resp: 110220
Ion Ratio Lower Upper
83 100
85 63.2 43.7 81.1
127 8.7 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 5.748 ug/L

RT: 7.579 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

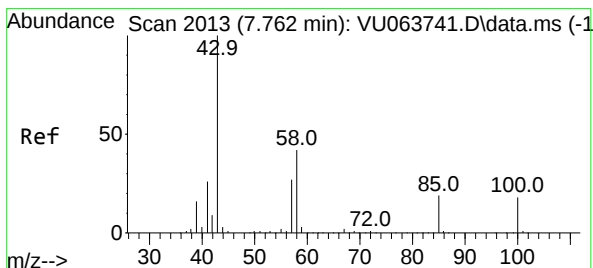
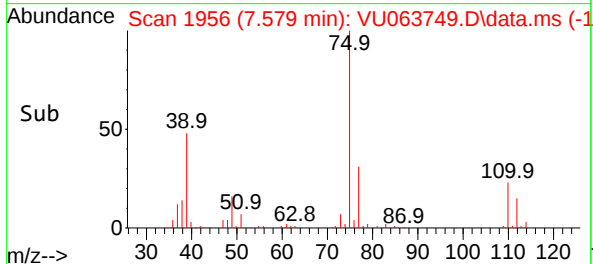
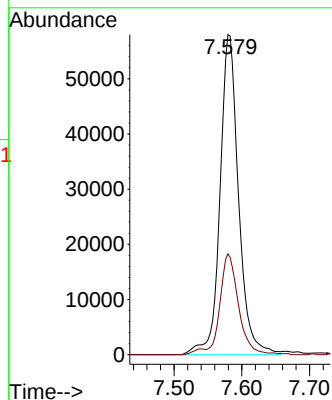
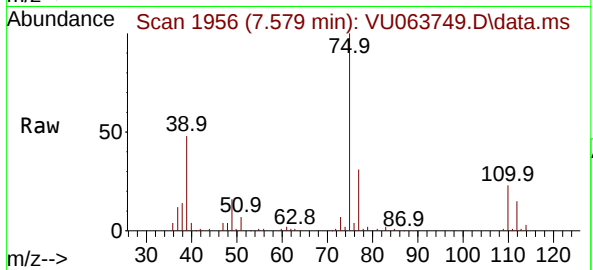
VSTD005149

Tgt Ion: 75 Resp: 110336

Ion Ratio Lower Upper

75 100

77 31.5 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 55.465 ug/L

RT: 7.763 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

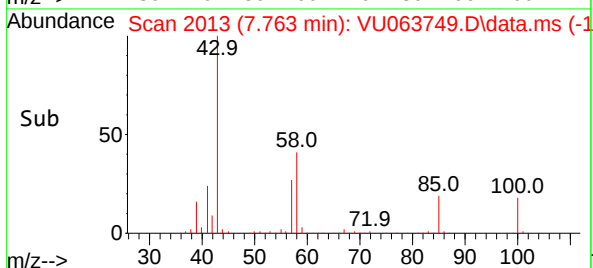
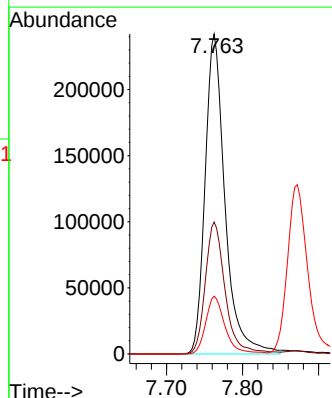
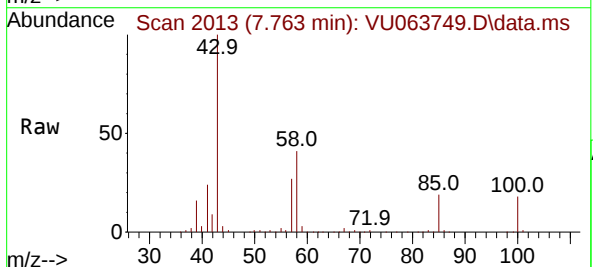
Tgt Ion: 43 Resp: 439101

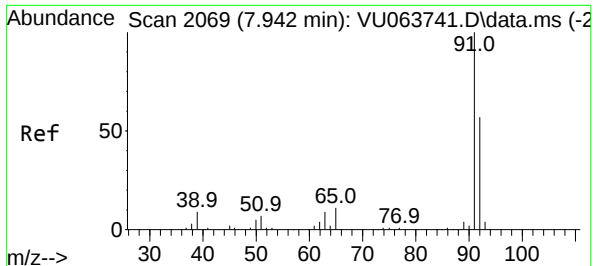
Ion Ratio Lower Upper

43 100

58 41.3 32.6 49.0

100 17.5 13.9 20.9





#42

Toluene

Concen: 5.715 ug/L

RT: 7.943 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

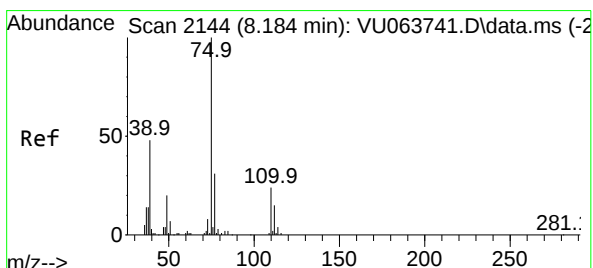
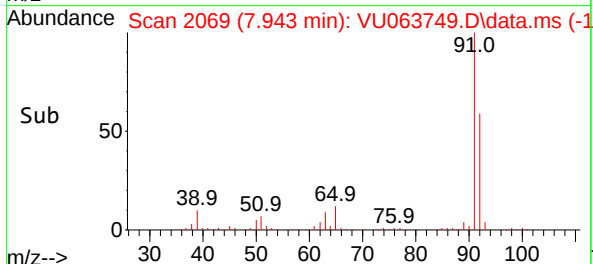
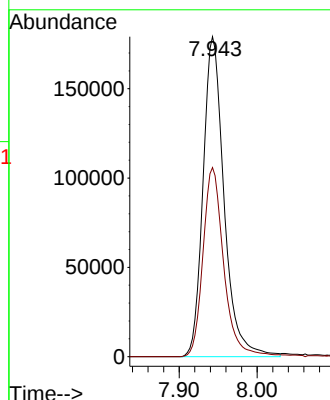
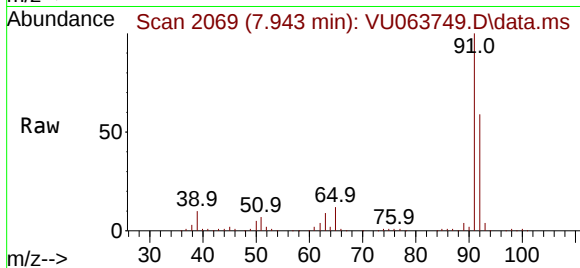
VSTD005149

Tgt Ion: 91 Resp: 335371

Ion Ratio Lower Upper

91 100

92 59.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.734 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VU063749.D

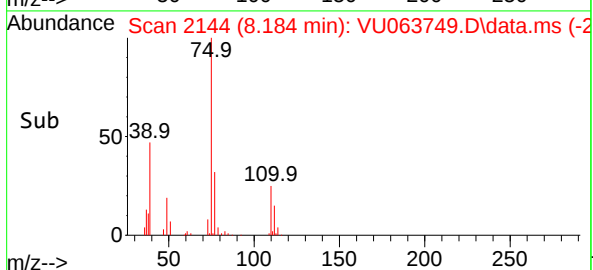
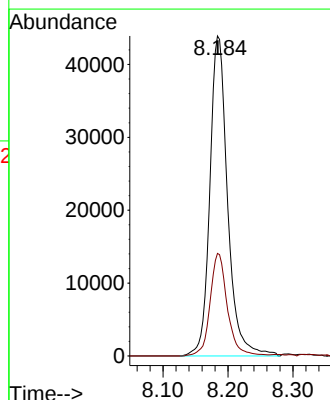
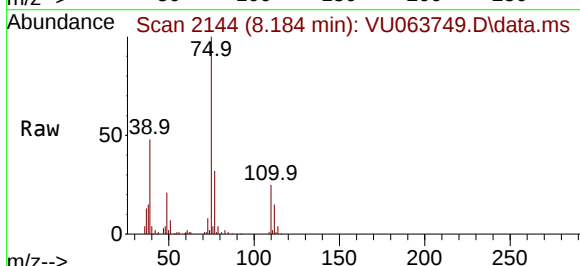
Acq: 20 Nov 2025 08:49

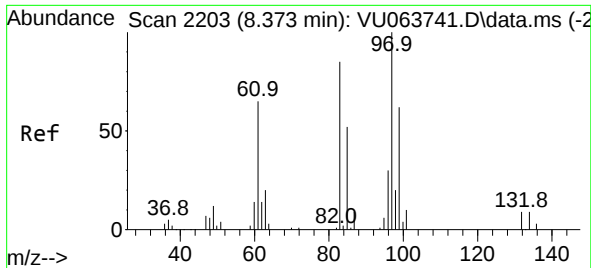
Tgt Ion: 75 Resp: 83526

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



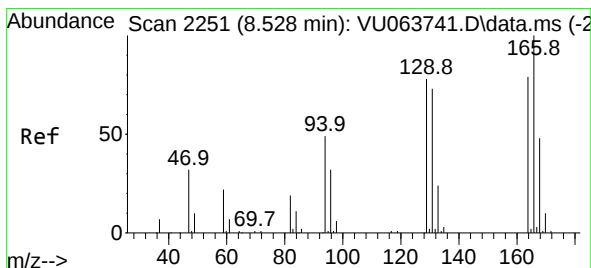
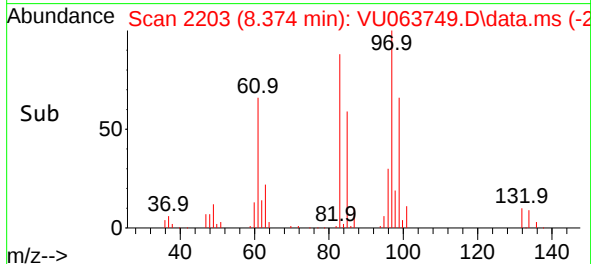
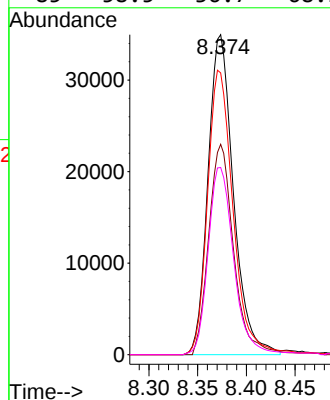
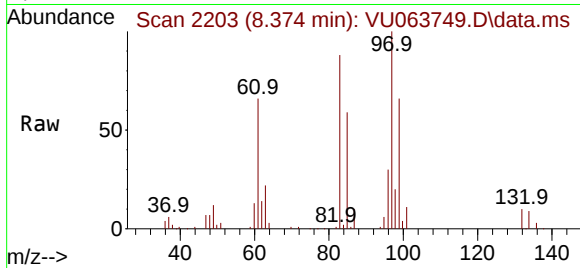


#45
1,1,2-Trichloroethane
Concen: 5.524 ug/L
RT: 8.374 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

Tgt Ion: 97 Resp: 63526

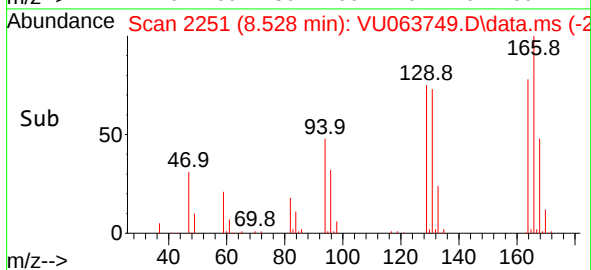
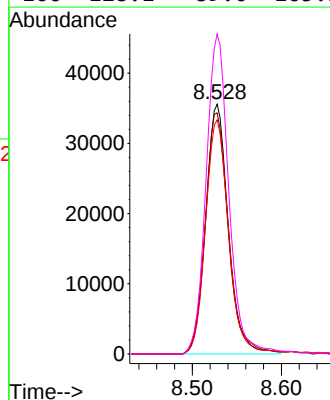
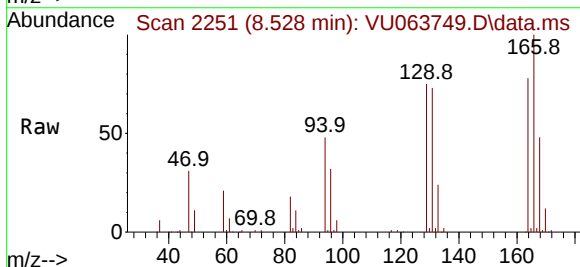
Ion	Ratio	Lower	Upper
97	100		
99	65.7	43.4	80.6
83	88.1	59.4	110.2
85	58.5	36.7	68.1

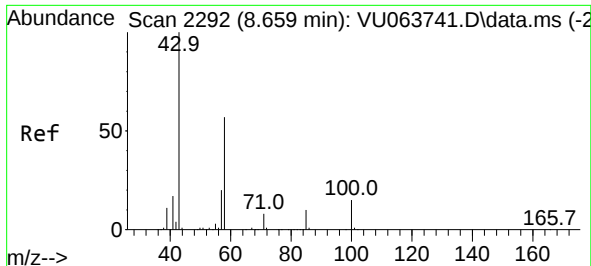


#47
Tetrachloroethene
Concen: 5.494 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion: 164 Resp: 62891

Ion	Ratio	Lower	Upper
164	100		
129	96.5	69.5	129.1
131	93.8	65.2	121.2
166	128.1	89.0	165.2

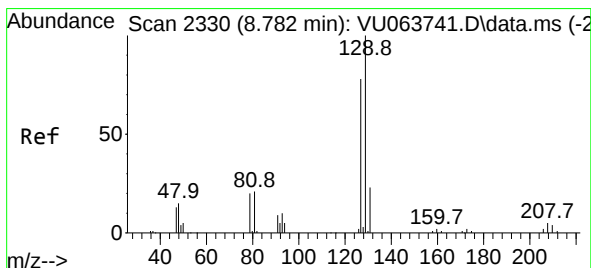
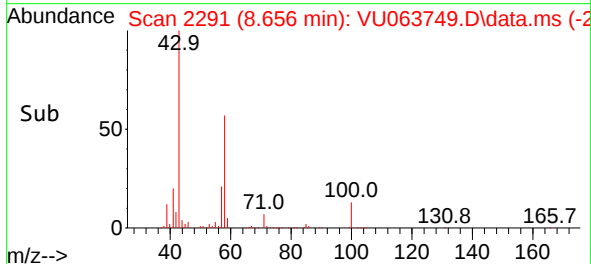
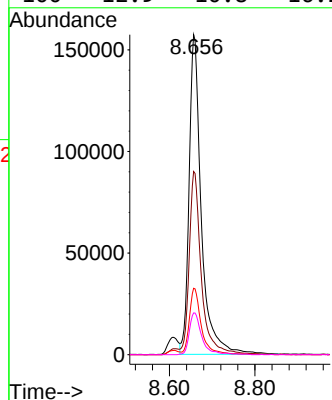
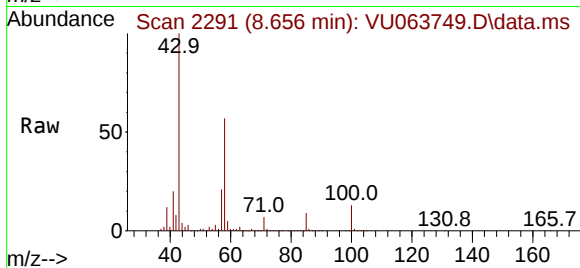




#48
2-Hexanone
Concen: 54.721 ug/L
RT: 8.656 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

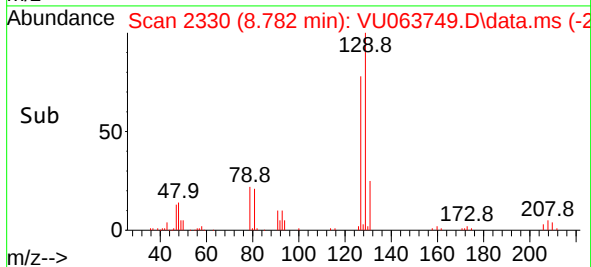
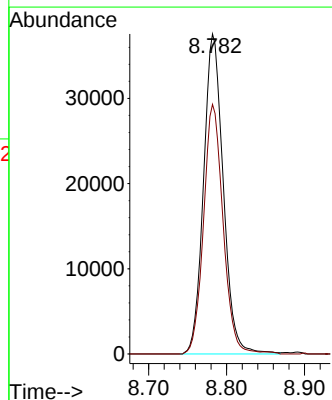
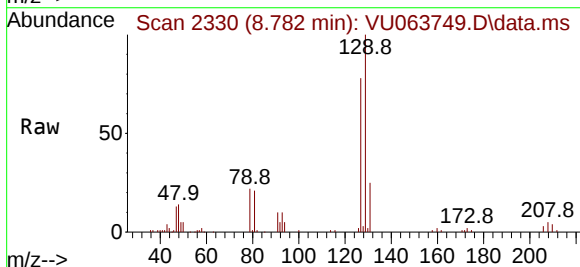
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

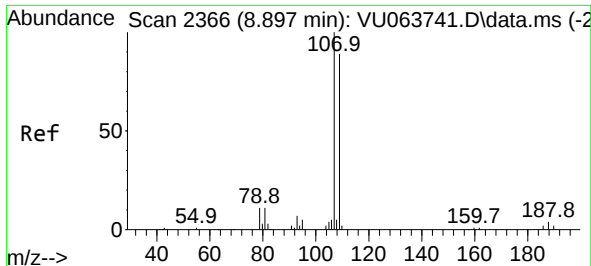
Tgt Ion: 43 Resp: 313909
Ion Ratio Lower Upper
43 100
58 56.3 43.3 64.9
57 19.4 16.2 24.2
100 12.9 10.8 16.2



#49
Dibromochloromethane
Concen: 5.634 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion: 129 Resp: 66035
Ion Ratio Lower Upper
129 100
127 78.0 54.9 102.1





#50

1,2-Dibromoethane

Concen: 5.489 ug/L

RT: 8.898 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

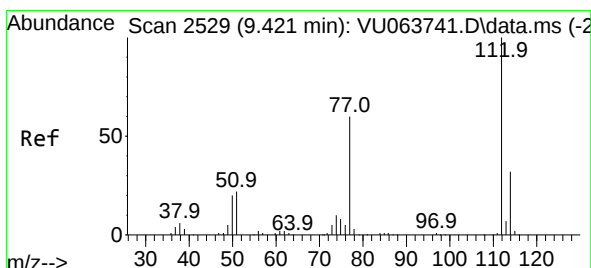
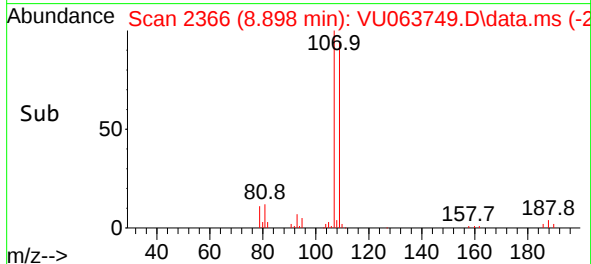
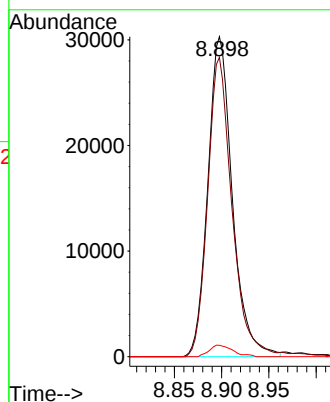
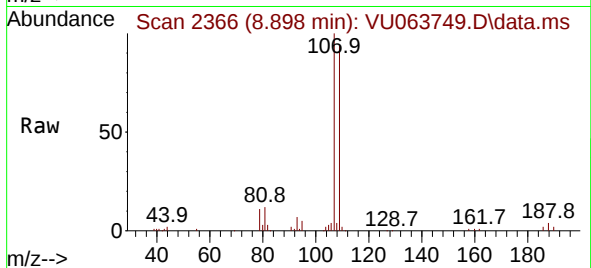
Tgt Ion:107 Resp: 54648

Ion Ratio Lower Upper

107 100

109 93.5 62.6 116.3

188 3.6 2.8 4.2



#51

Chlorobenzene

Concen: 5.532 ug/L

RT: 9.422 min Scan# 2529

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

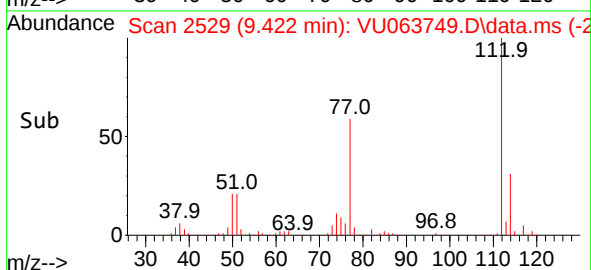
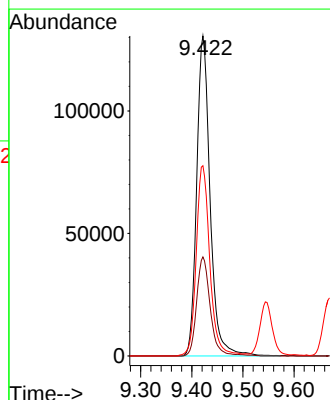
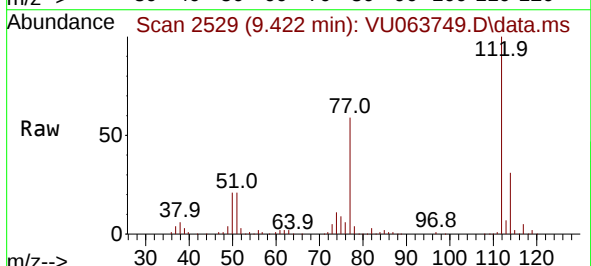
Tgt Ion:112 Resp: 238578

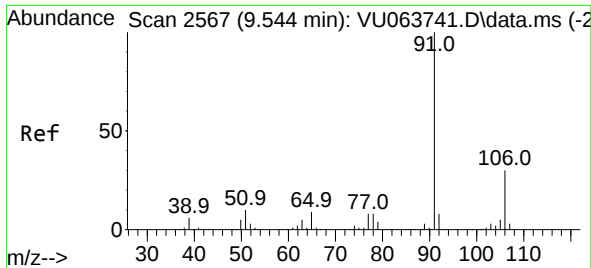
Ion Ratio Lower Upper

112 100

114 30.9 22.4 41.6

77 59.5 48.3 72.5

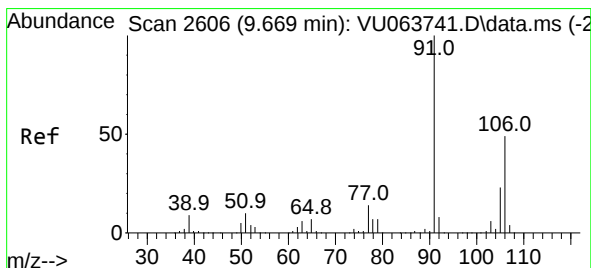
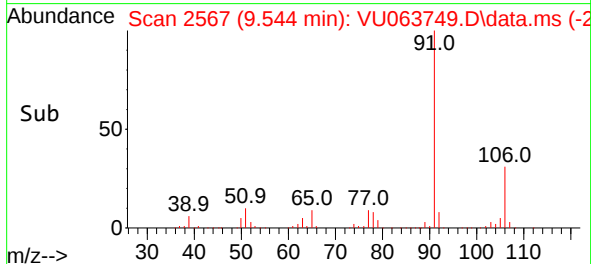
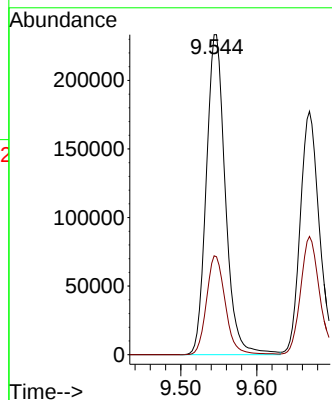
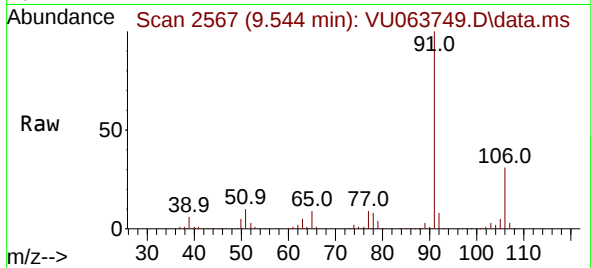




#52
Ethylbenzene
Concen: 5.573 ug/L
RT: 9.544 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

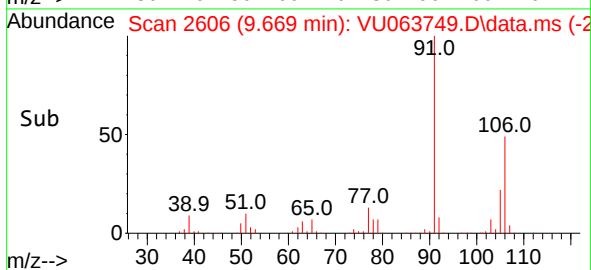
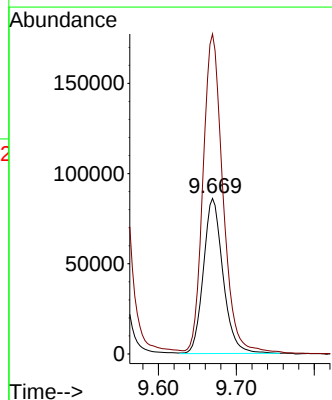
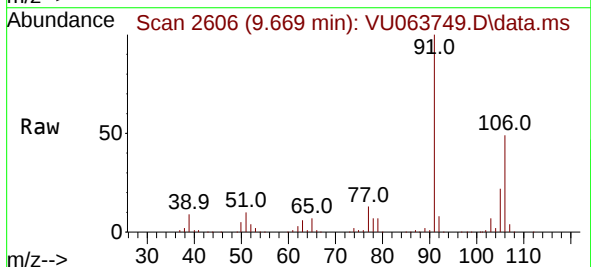
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

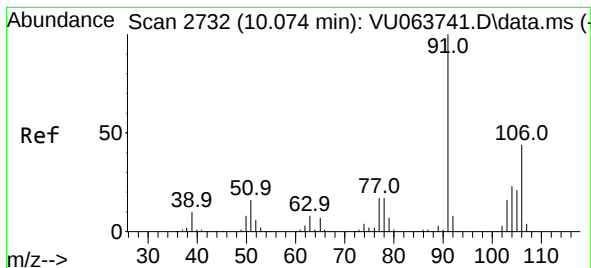
Tgt Ion: 91 Resp: 405536
Ion Ratio Lower Upper
91 100
106 30.9 21.1 39.3



#53
m,p-Xylene
Concen: 5.480 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion:106 Resp: 150576
Ion Ratio Lower Upper
106 100
91 205.7 144.5 268.3





#54

o-Xylene

Concen: 5.556 ug/L

RT: 10.074 min Scan# 2732

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

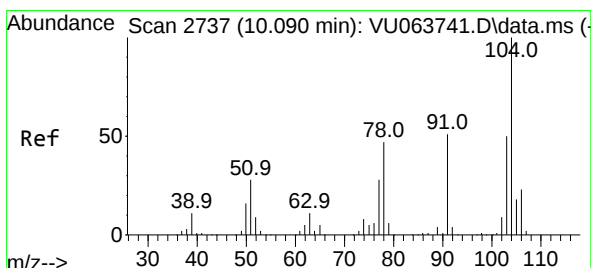
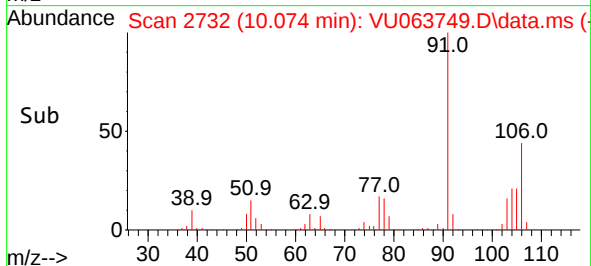
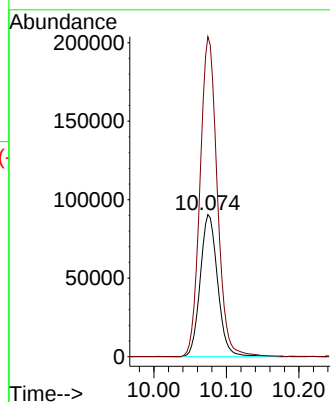
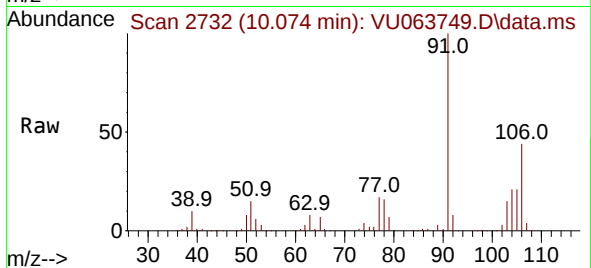
VSTD005149

Tgt Ion:106 Resp: 150814

Ion Ratio Lower Upper

106 100

91 225.2 157.4 292.4



#55

Styrene

Concen: 5.664 ug/L

RT: 10.091 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063749.D

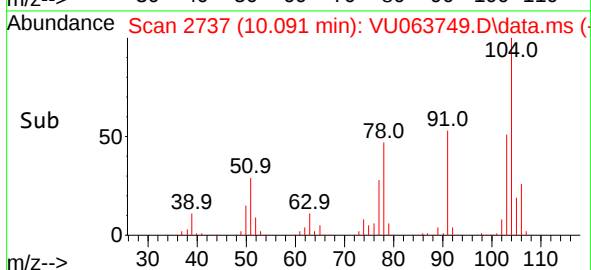
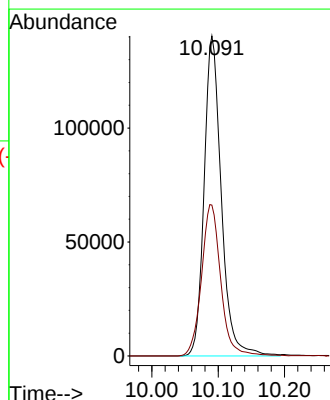
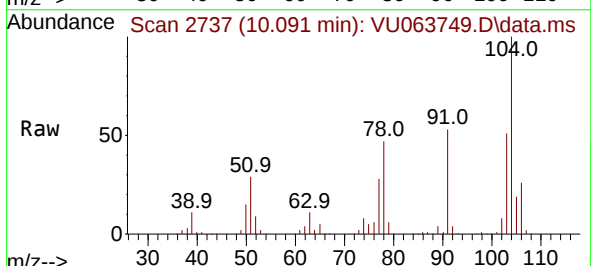
Acq: 20 Nov 2025 08:49

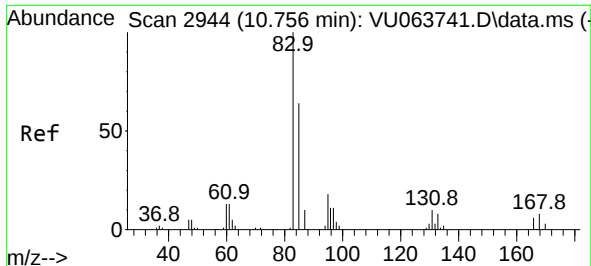
Tgt Ion:104 Resp: 252770

Ion Ratio Lower Upper

104 100

78 47.1 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.315 ug/L

RT: 10.756 min Scan# 2944

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

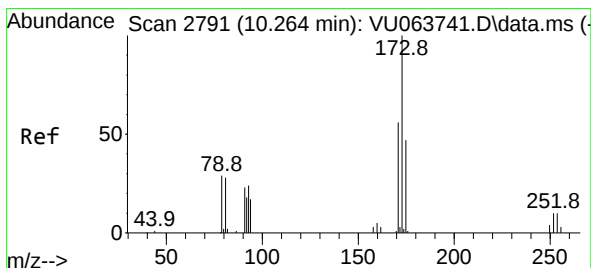
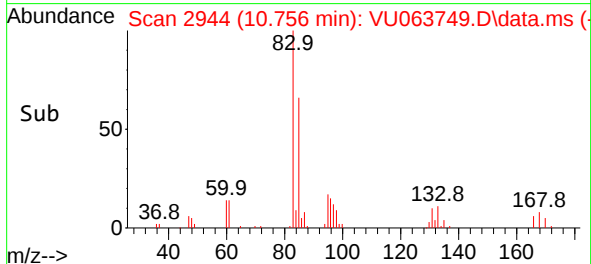
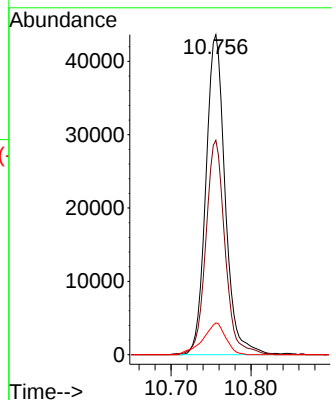
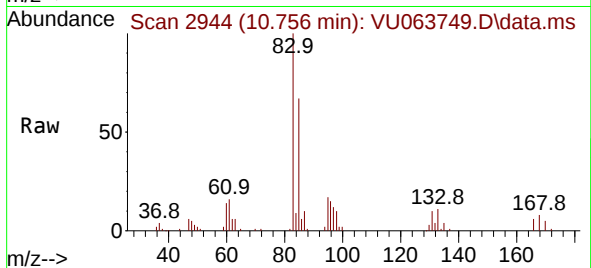
Tgt Ion: 83 Resp: 73117

Ion Ratio Lower Upper

83 100

85 67.0 45.2 84.0

131 10.0 8.4 12.6



#59

Bromoform

Concen: 5.894 ug/L

RT: 10.264 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

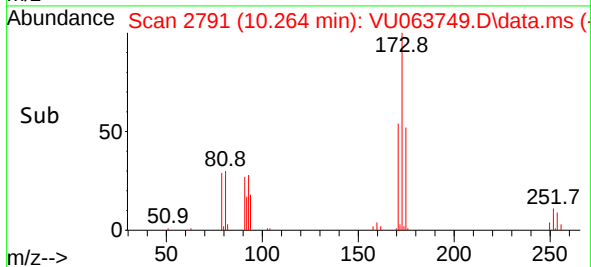
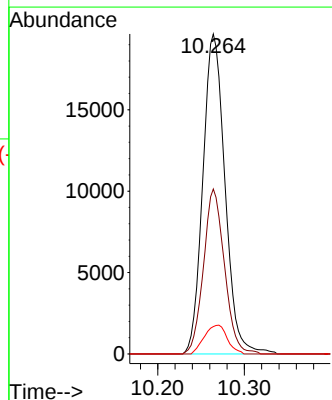
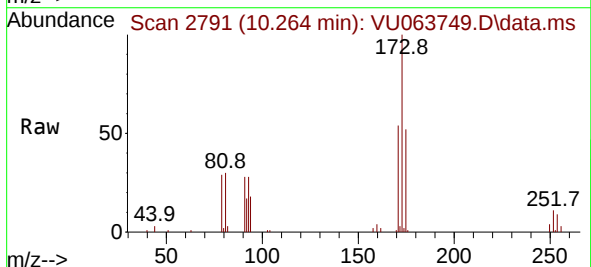
Tgt Ion:173 Resp: 34876

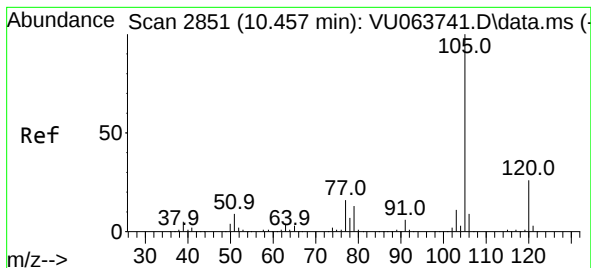
Ion Ratio Lower Upper

173 100

175 48.9 37.8 56.8

254 9.3 7.8 11.8





#60

Isopropylbenzene

Concen: 5.880 ug/L

RT: 10.457 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

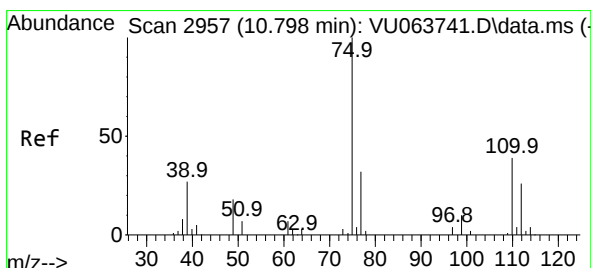
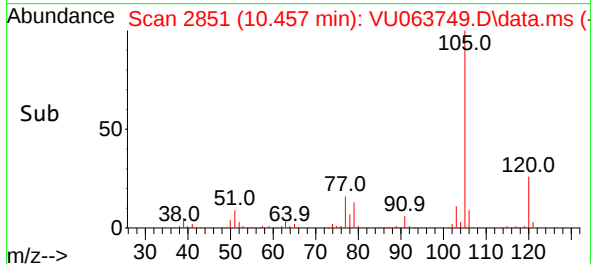
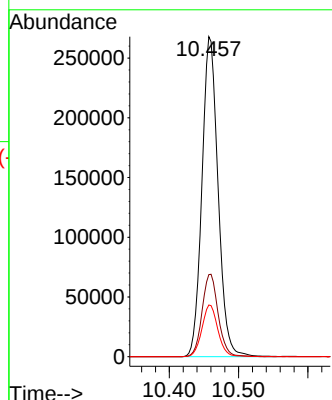
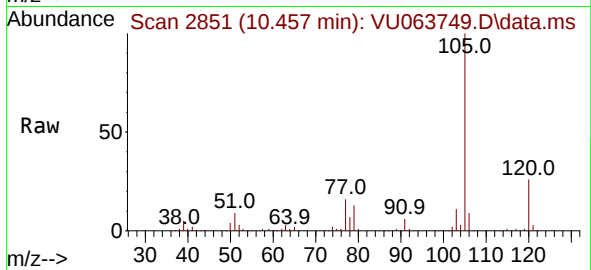
Tgt Ion:105 Resp: 432554

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.787 ug/L

RT: 10.798 min Scan# 2957

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

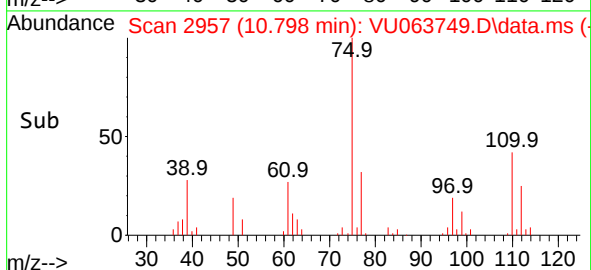
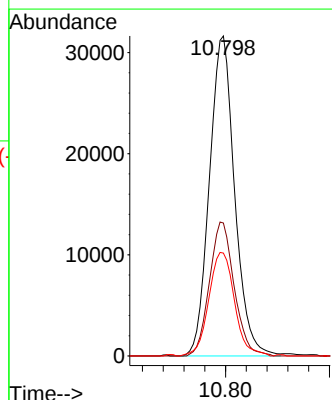
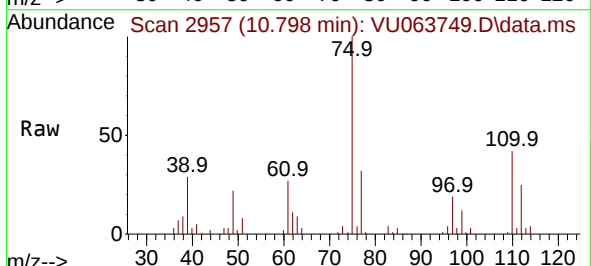
Tgt Ion: 75 Resp: 53334

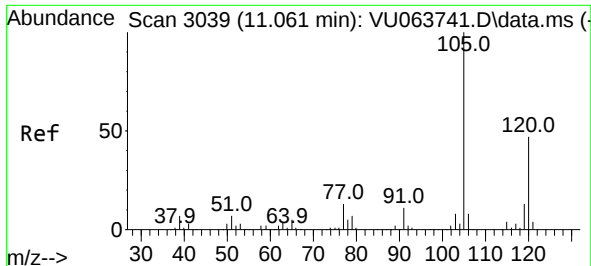
Ion Ratio Lower Upper

75 100

110 41.0 31.2 46.8

77 33.0 26.6 40.0





#62

1,3,5-Trimethylbenzene

Concen: 5.803 ug/L

RT: 11.062 min Scan# 3039

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

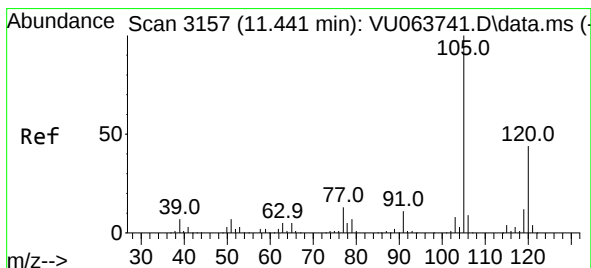
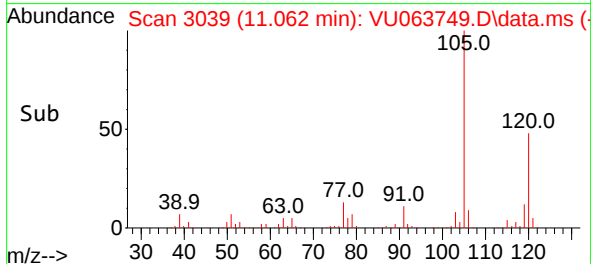
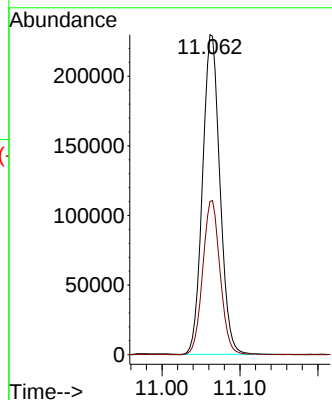
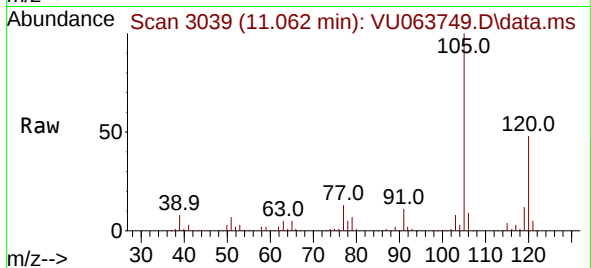
VSTD005149

Tgt Ion:105 Resp: 356100

Ion Ratio Lower Upper

105 100

120 48.2 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 5.834 ug/L

RT: 11.444 min Scan# 3158

Delta R.T. 0.003 min

Lab File: VU063749.D

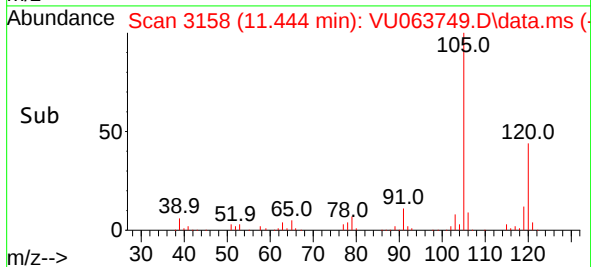
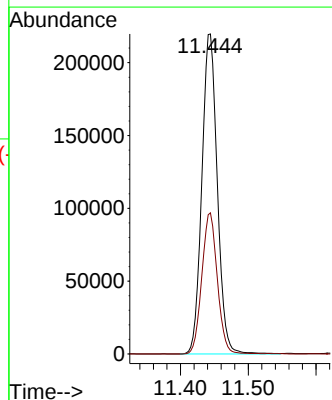
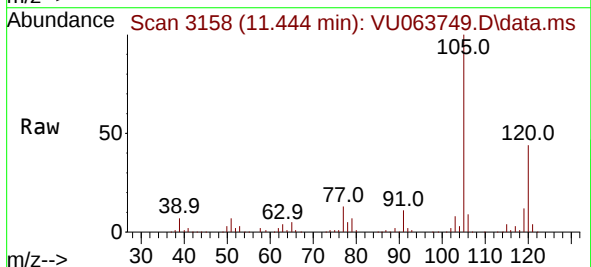
Acq: 20 Nov 2025 08:49

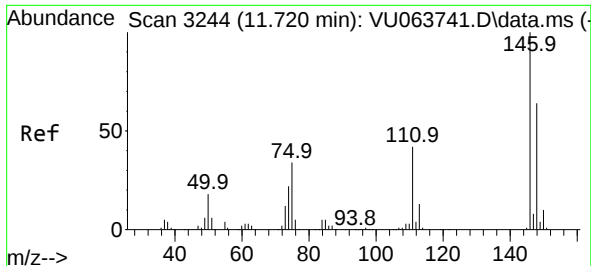
Tgt Ion:105 Resp: 347509

Ion Ratio Lower Upper

105 100

120 44.2 35.1 52.7

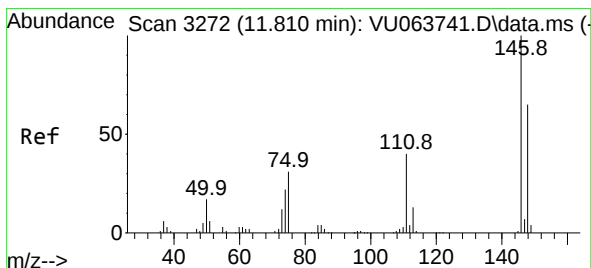
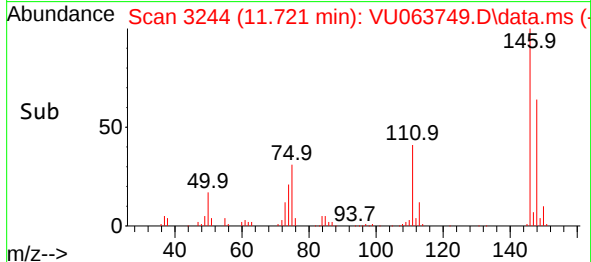
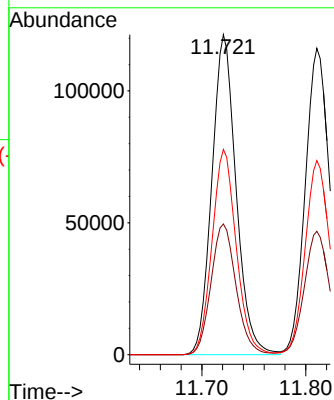
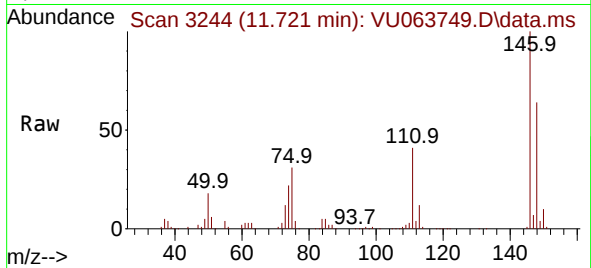




#64
1,3-Dichlorobenzene
Concen: 5.648 ug/L
RT: 11.721 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

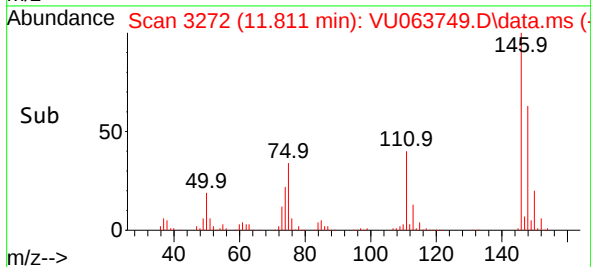
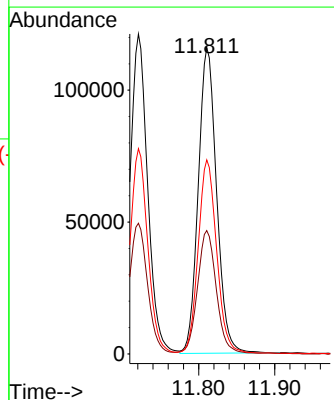
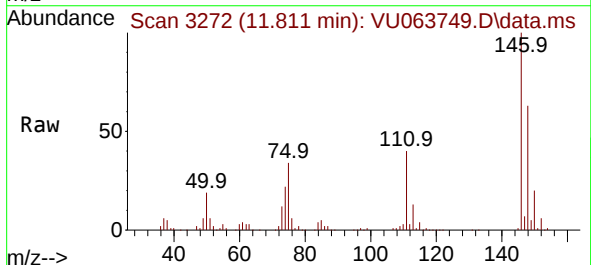
Instrument :
MSVOA_U
ClientSampleId :
VSTD005149

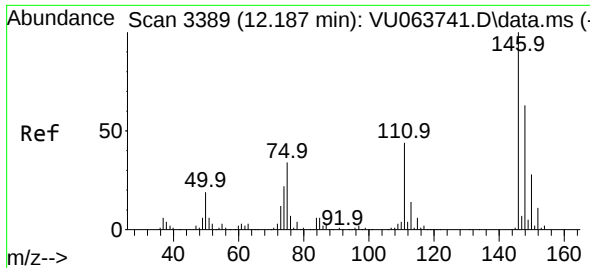
Tgt Ion:146 Resp: 196641
Ion Ratio Lower Upper
146 100
111 40.8 29.5 54.9
148 64.1 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 5.504 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063749.D
Acq: 20 Nov 2025 08:49

Tgt Ion:146 Resp: 194202
Ion Ratio Lower Upper
146 100
111 40.3 27.9 51.7
148 63.3 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 5.651 ug/L

RT: 12.187 min Scan# 3389

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

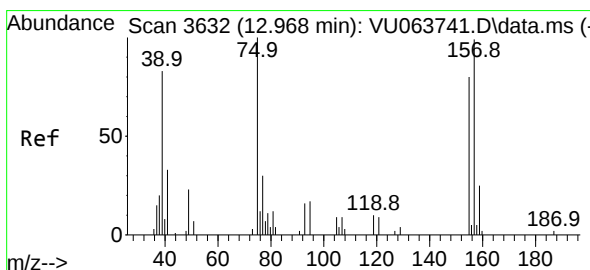
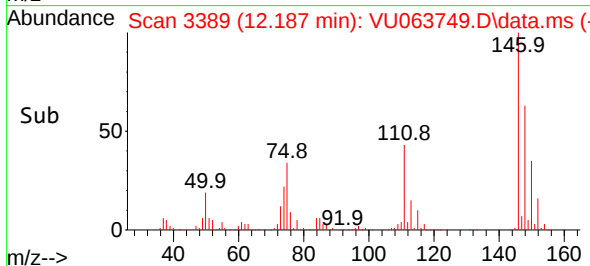
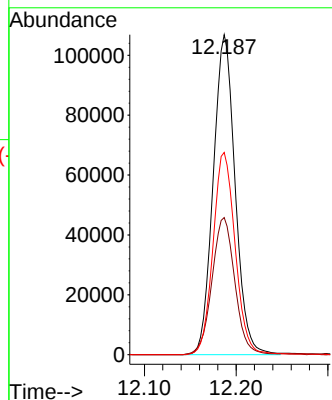
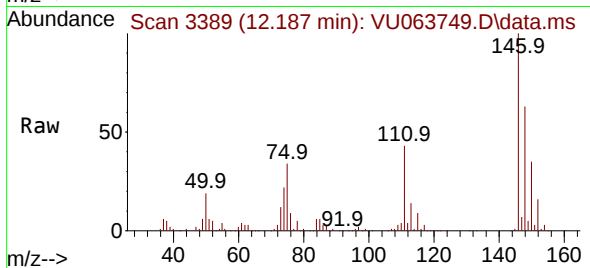
Tgt Ion:146 Resp: 177547

Ion Ratio Lower Upper

146 100

111 42.9 35.0 52.4

148 63.2 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.456 ug/L

RT: 12.968 min Scan# 3632

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

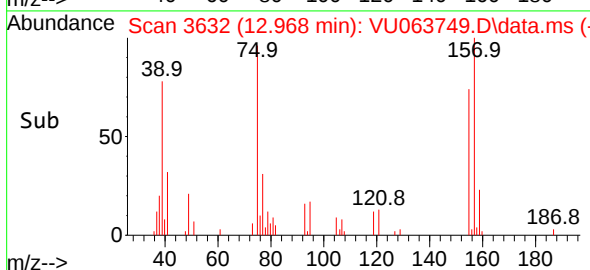
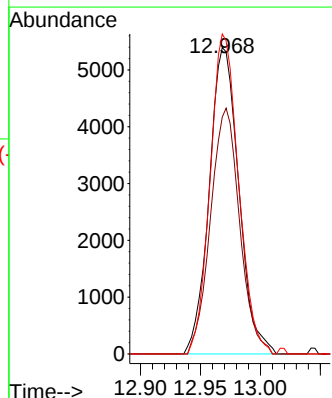
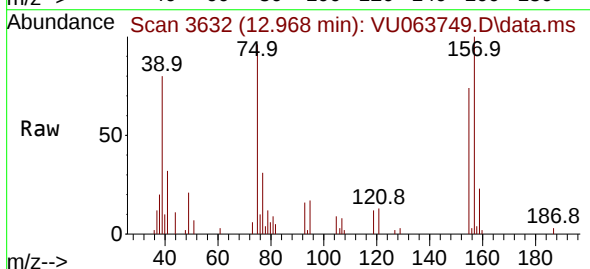
Tgt Ion: 75 Resp: 9250

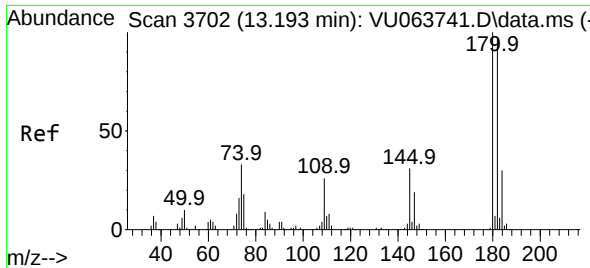
Ion Ratio Lower Upper

75 100

155 77.3 64.1 96.1

157 104.4 79.0 118.4

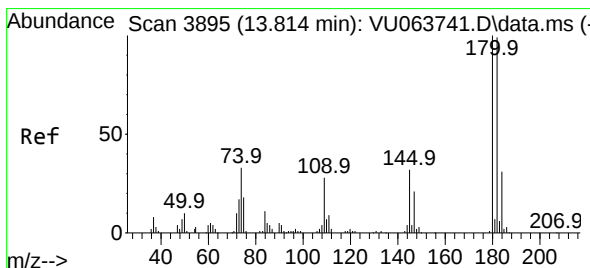
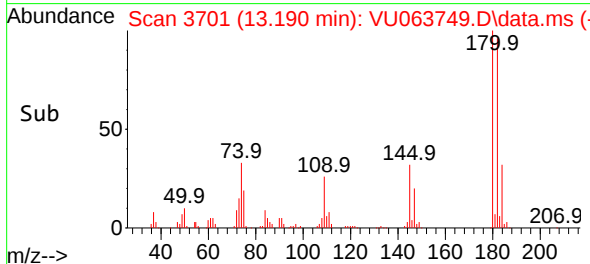
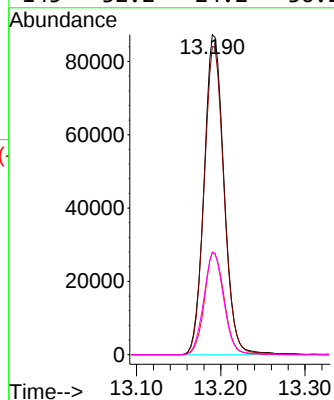
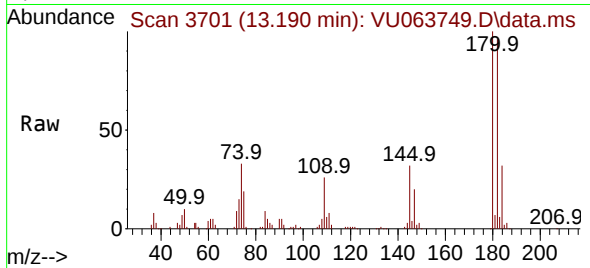




#69
 1,3,5-Trichlorobenzene
 Concen: 5.637 ug/L
 RT: 13.190 min Scan# 3701
 Delta R.T. -0.003 min
 Lab File: VU063749.D
 Acq: 20 Nov 2025 08:49

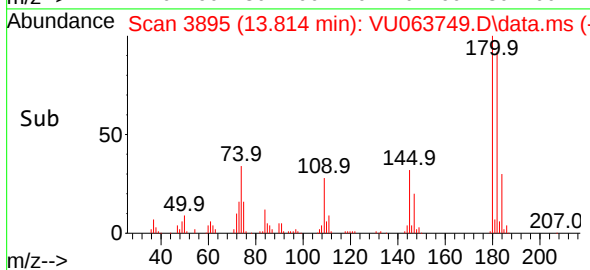
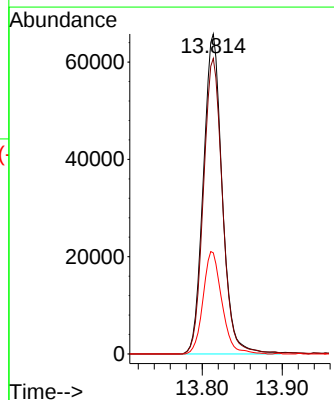
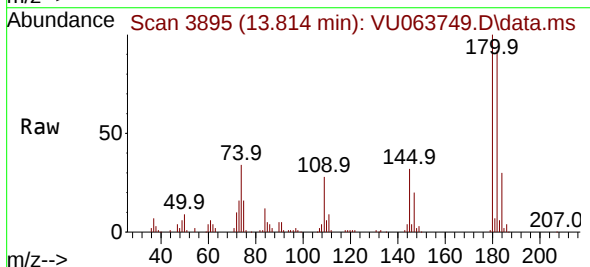
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

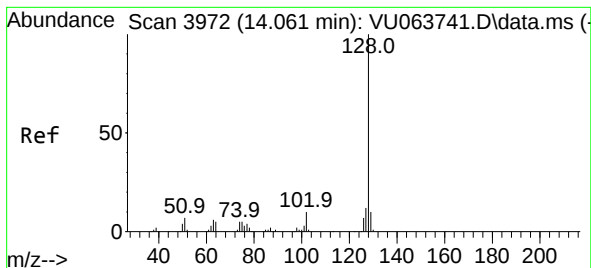
Tgt Ion:180	Resp: 143733
Ion Ratio	Lower Upper
180	100
182	96.4 76.4 114.6
184	31.7 23.8 35.6
145	32.2 24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.339 ug/L
 RT: 13.814 min Scan# 3895
 Delta R.T. 0.000 min
 Lab File: VU063749.D
 Acq: 20 Nov 2025 08:49

Tgt Ion:180	Resp: 108061
Ion Ratio	Lower Upper
180	100
182	93.4 77.8 116.6
145	31.9 26.1 39.1





#71

Naphthalene

Concen: 4.559 ug/L

RT: 14.061 min Scan# 3972

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005149

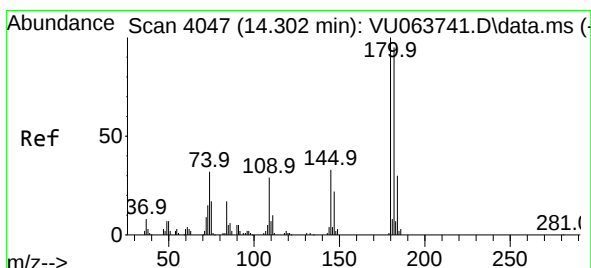
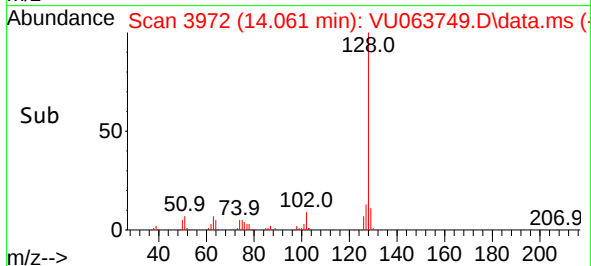
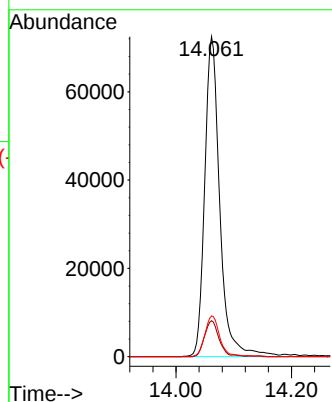
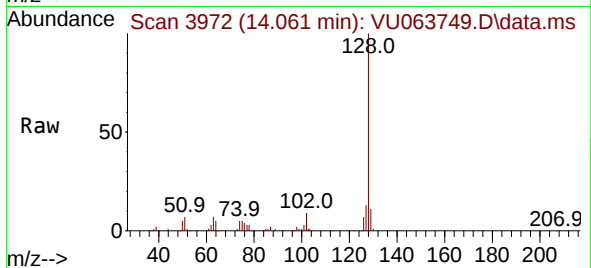
Tgt Ion:128 Resp: 131518

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 12.6 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.167 ug/L

RT: 14.303 min Scan# 4047

Delta R.T. 0.000 min

Lab File: VU063749.D

Acq: 20 Nov 2025 08:49

Tgt Ion:180 Resp: 87480

Ion Ratio Lower Upper

180 100

182 93.1 75.7 113.5

145 33.3 27.1 40.7

