

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111925\
 Data File : VU063747.D
 Acq On : 19 Nov 2025 15:04
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

Quant Time: Nov 20 03:40:19 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	6.223	114	159398	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	160661	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	110671	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	94020	5.528	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.600%
7) Chloroethane-d5	1.891	69	82066	5.606	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.200%
11) 1,1-Dichloroethene-d2	2.541	65	43936	5.620	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.400%
20) 2-Butanone-d5	4.592	46	188708	63.870	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.740%
24) Chloroform-d	5.030	84	203178	5.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.800%
26) 1,2-Dichloroethane-d4	5.673	65	105104	5.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.200%
32) Benzene-d6	5.695	84	396217	5.911	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.200%
36) 1,2-Dichloropropane-d6	6.660	67	114077	6.022	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.400%
41) Toluene-d8	7.872	98	380951	5.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.800%
43) trans-1,3-Dichloroprop...	8.155	79	36609	5.745	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.000%
46) 2-Hexanone-d5	8.608	63	150071	67.767	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.540%#
56) 1,1,2,2-Tetrachloroeth...	10.730	84	90030	6.291	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.800%#
66) 1,2-Dichlorobenzene-d4	12.168	152	138063	5.763	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	61197	5.206	ug/L	99
3) Chloromethane	1.502	50	46380	5.080	ug/L	95
5) Vinyl chloride	1.586	62	60795	5.244	ug/L	98
6) Bromomethane	1.834	94	38669	5.251	ug/L	94
8) Chloroethane	1.911	64	44315	5.188	ug/L	99
9) Trichlorofluoromethane	2.117	101	117919	5.180	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	71774	5.256	ug/L	97
12) 1,1-Dichloroethene	2.554	96	56173	5.338	ug/L	93
13) Acetone	2.605	43	142856	59.120	ug/L	100
14) Carbon disulfide	2.766	76	67778	4.684	ug/L	100
15) Methyl Acetate	2.930	43	27313	5.735	ug/L	96
16) Methylene chloride	3.014	84	102557	6.992	ug/L	96
17) Methyl tert-butyl Ether	3.335	73	195196	5.573	ug/L	100
18) trans-1,2-Dichloroethene	3.322	96	57973	5.136	ug/L	100
19) 1,1-Dichloroethane	3.834	63	140536	5.318	ug/L	99
21) 2-Butanone	4.673	43	198612	59.890	ug/L	97
22) cis-1,2-Dichloroethene	4.634	96	83385	5.328	ug/L	99
23) Bromochloromethane	4.943	128	36333	5.586	ug/L	96
25) Chloroform	5.055	83	161044	5.246	ug/L	96

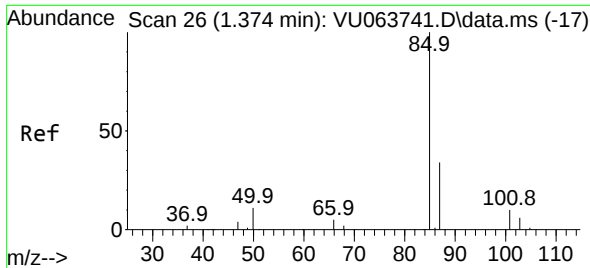
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 03:09:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.766	62	99972	5.545	ug/L	99
29) 1,1,1-Trichloroethane	5.284	97	123449	5.374	ug/L	99
30) Cyclohexane	5.354	56	88291	5.206	ug/L	97
31) Carbon tetrachloride	5.493	117	93099	5.349	ug/L	99
33) Benzene	5.743	78	296783	5.527	ug/L	100
34) Trichloroethene	6.515	95	87336	5.480	ug/L	95
35) Methylcyclohexane	6.734	83	94735	5.235	ug/L	99
37) 1,2-Dichloropropane	6.763	63	82286	5.458	ug/L	99
38) Bromodichloromethane	7.078	83	109277	5.504	ug/L	100
39) cis-1,3-Dichloropropene	7.579	75	108939	5.539	ug/L	95
40) 4-Methyl-2-pentanone	7.763	43	489000	60.282	ug/L	99
42) Toluene	7.943	91	331502	5.513	ug/L	98
44) trans-1,3-Dichloropropene	8.184	75	81985	5.493	ug/L	99
45) 1,1,2-Trichloroethane	8.374	97	66871	5.675	ug/L	97
47) Tetrachloroethene	8.528	164	61932	5.280	ug/L	96
48) 2-Hexanone	8.660	43	368350	62.667	ug/L	99
49) Dibromochloromethane	8.782	129	67336	5.607	ug/L	96
50) 1,2-Dibromoethane	8.898	107	57669	5.653	ug/L	95
51) Chlorobenzene	9.422	112	237723	5.380	ug/L	100
52) Ethylbenzene	9.547	91	398781	5.348	ug/L	99
53) m,p-Xylene	9.669	106	153806	5.463	ug/L	96
54) o-Xylene	10.074	106	151958	5.464	ug/L	98
55) Styrene	10.091	104	254885	5.574	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.756	83	79791	5.661	ug/L	98
59) Bromoform	10.264	173	35470	5.301	ug/L	99
60) Isopropylbenzene	10.460	105	424163	5.099	ug/L	100
61) 1,2,3-Trichloropropane	10.795	75	56870	5.457	ug/L	99
62) 1,3,5-Trimethylbenzene	11.065	105	356692	5.140	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	351789	5.222	ug/L	98
64) 1,3-Dichlorobenzene	11.721	146	197731	5.022	ug/L	98
65) 1,4-Dichlorobenzene	11.811	146	198520	4.975	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	183960	5.178	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.968	75	10047	5.241	ug/L	97
69) 1,3,5-Trichlorobenzene	13.190	180	148742	5.158	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	119504	5.221	ug/L	97
71) Naphthalene	14.061	128	165572	5.075	ug/L	100
72) 1,2,3-Trichlorobenzene	14.303	180	98940	5.168	ug/L	99

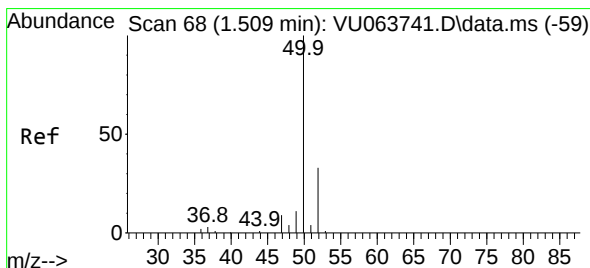
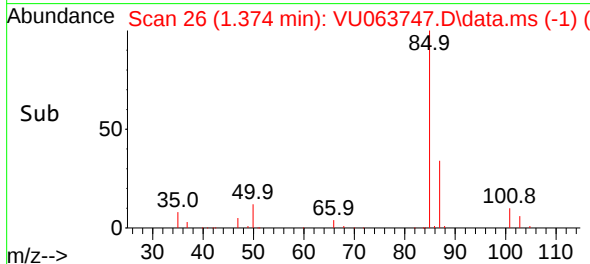
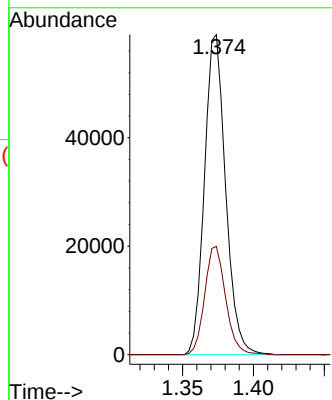
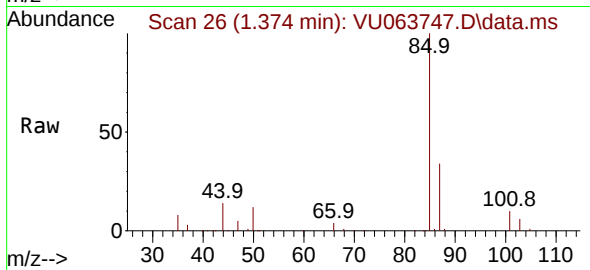
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.206 ug/L
RT: 1.374 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

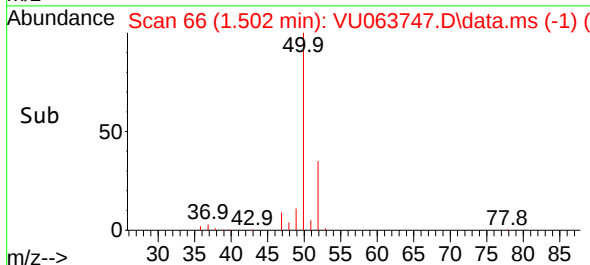
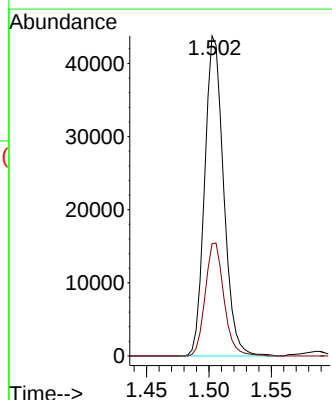
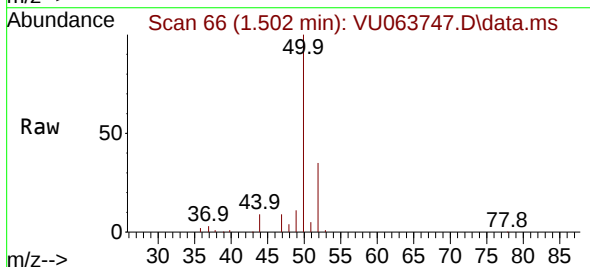
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

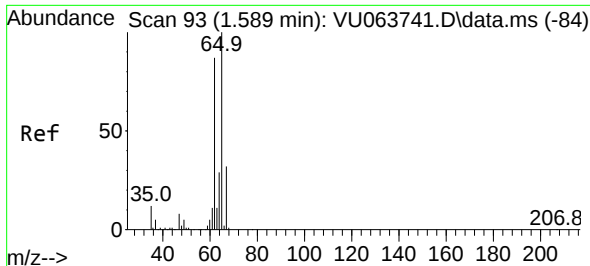
Tgt Ion: 85 Resp: 61197
Ion Ratio Lower Upper
85 100
87 33.6 26.4 39.6



#3
Chloromethane
Concen: 5.080 ug/L
RT: 1.502 min Scan# 66
Delta R.T. -0.006 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 50 Resp: 46380
Ion Ratio Lower Upper
50 100
52 35.1 22.7 42.3

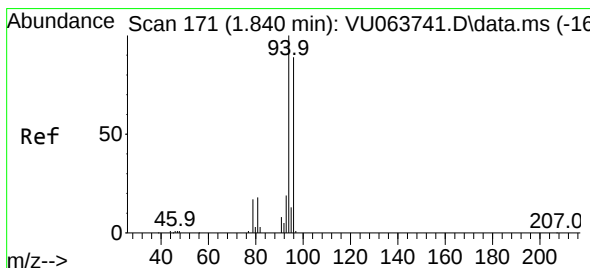
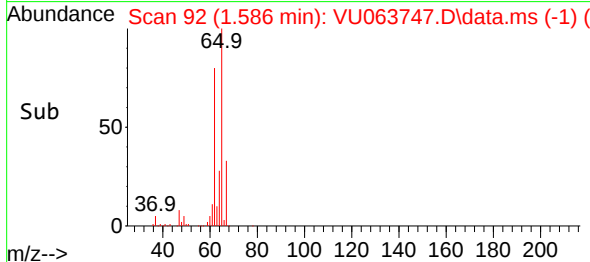
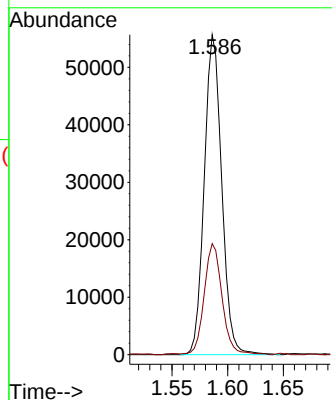
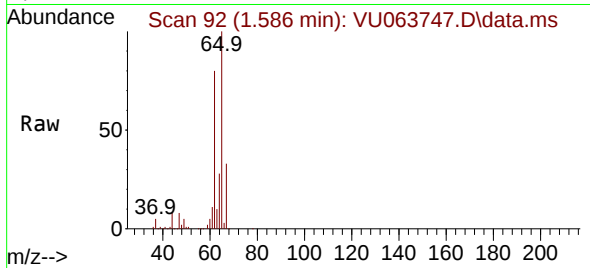




#5
 Vinyl chloride
 Concen: 5.244 ug/L
 RT: 1.586 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063747.D
 Acq: 19 Nov 2025 15:04

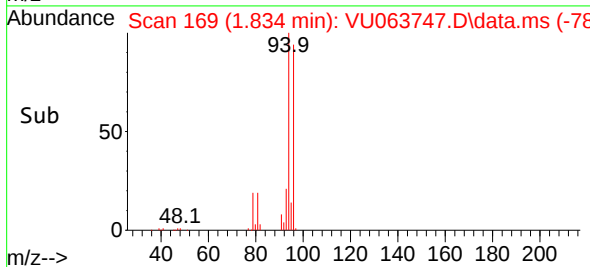
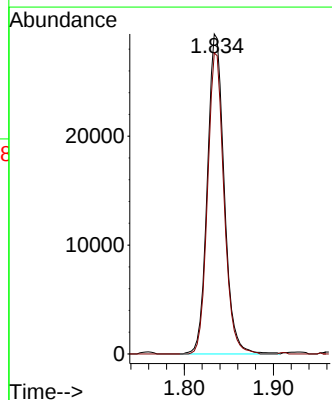
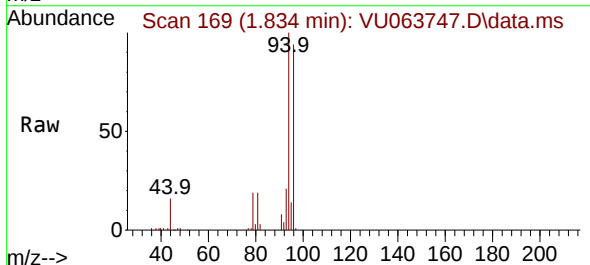
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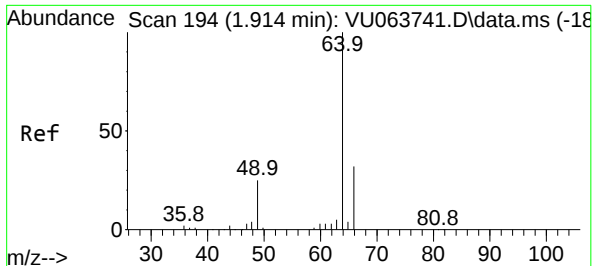
Tgt Ion: 62 Resp: 60795
 Ion Ratio Lower Upper
 62 100
 64 34.7 23.5 43.7



#6
 Bromomethane
 Concen: 5.251 ug/L
 RT: 1.834 min Scan# 169
 Delta R.T. -0.006 min
 Lab File: VU063747.D
 Acq: 19 Nov 2025 15:04

Tgt Ion: 94 Resp: 38669
 Ion Ratio Lower Upper
 94 100
 96 94.1 62.1 115.3

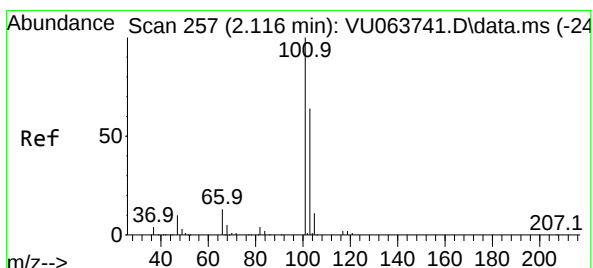
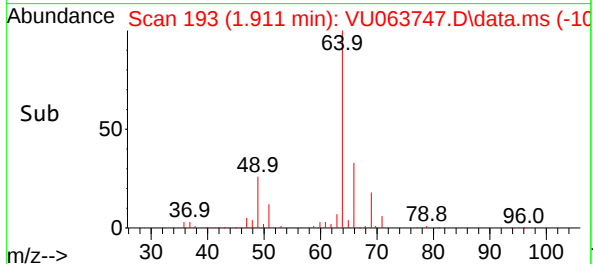
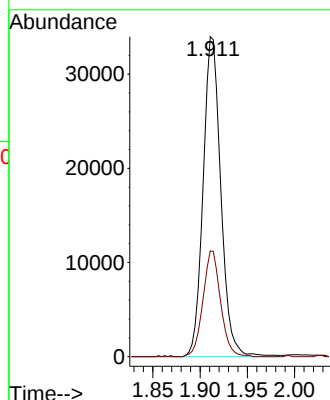
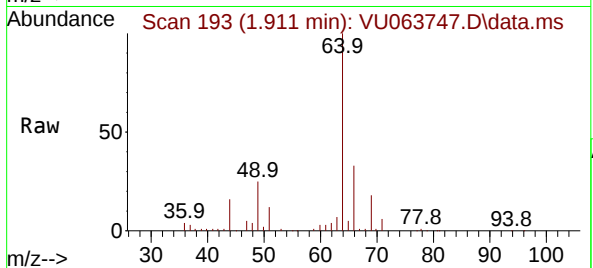




#8
Chloroethane
Concen: 5.188 ug/L
RT: 1.911 min Scan# 194
Delta R.T. -0.003 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

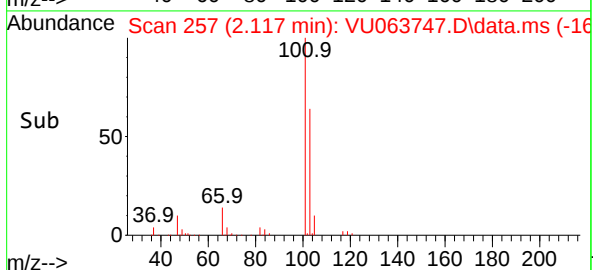
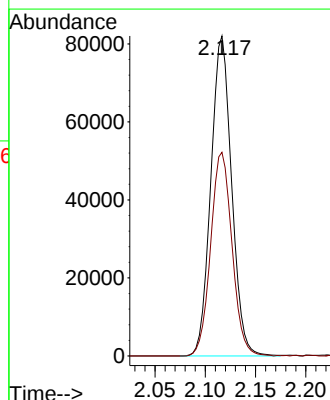
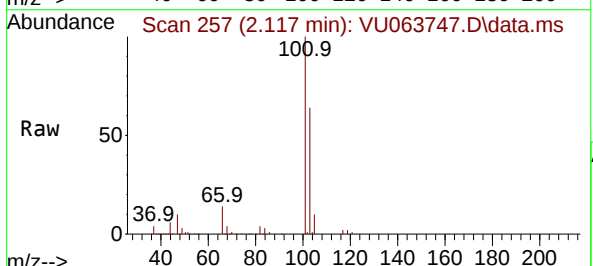
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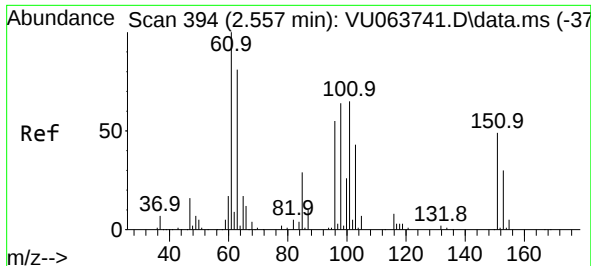
Tgt Ion: 64 Resp: 44315
Ion Ratio Lower Upper
64 100
66 33.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.180 ug/L
RT: 2.117 min Scan# 257
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 101 Resp: 117919
Ion Ratio Lower Upper
101 100
103 65.4 51.0 76.4

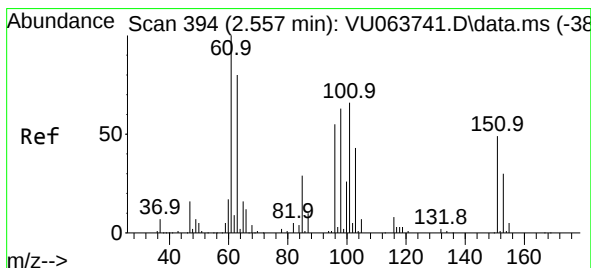
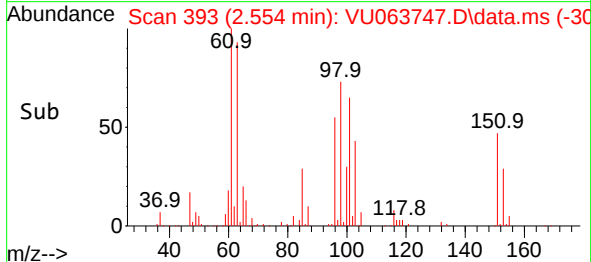
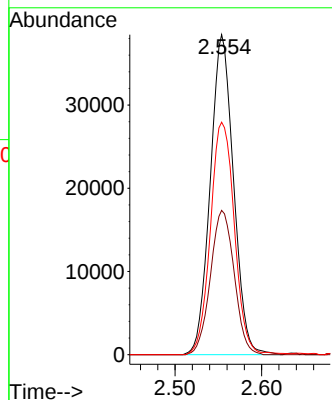
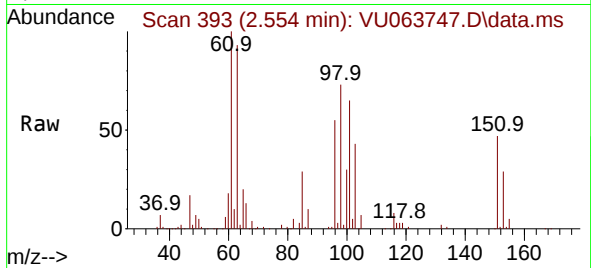




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.256 ug/L
RT: 2.554 min Scan# 393
Delta R.T. -0.003 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

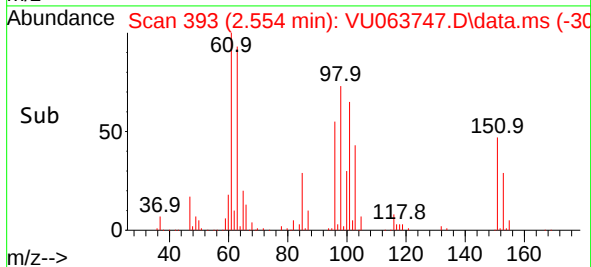
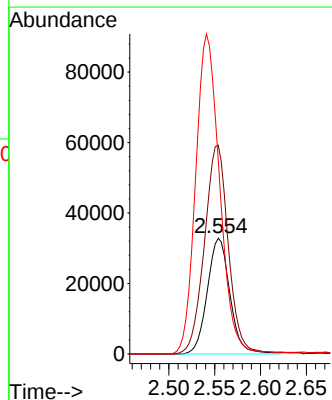
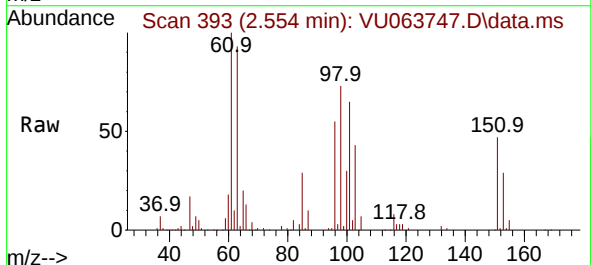
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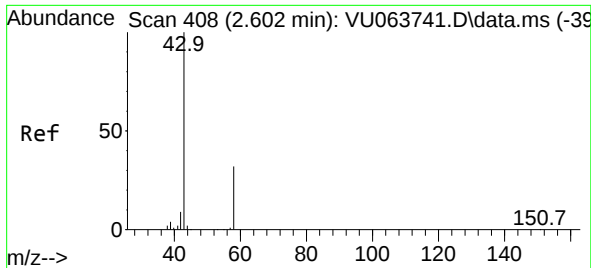
Tgt Ion:101 Resp: 71774
Ion Ratio Lower Upper
101 100
85 46.0 35.7 53.5
151 75.1 58.1 87.1



#12
1,1-Dichloroethene
Concen: 5.338 ug/L
RT: 2.554 min Scan# 393
Delta R.T. -0.003 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 96 Resp: 56173
Ion Ratio Lower Upper
96 100
61 180.5 126.6 235.2
63 167.6 104.2 193.4





#13

Acetone

Concen: 59.120 ug/L

RT: 2.605 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

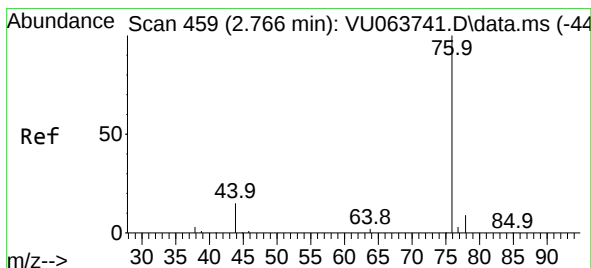
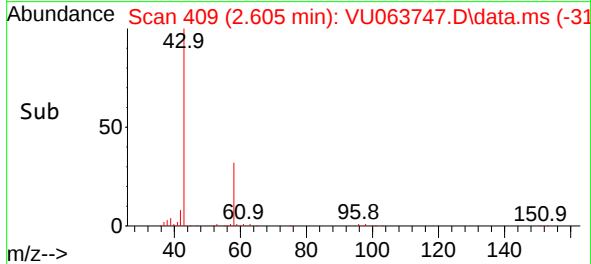
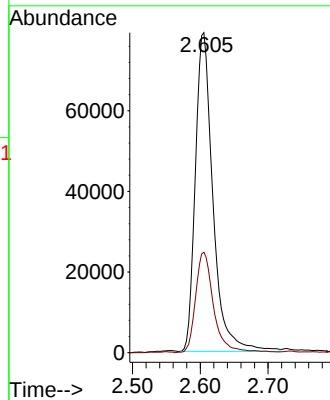
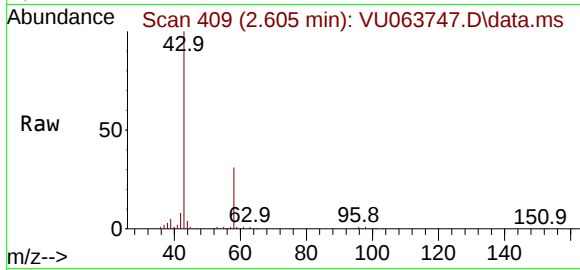
VSTD005148

Tgt Ion: 43 Resp: 142856

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.8



#14

Carbon disulfide

Concen: 4.684 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063747.D

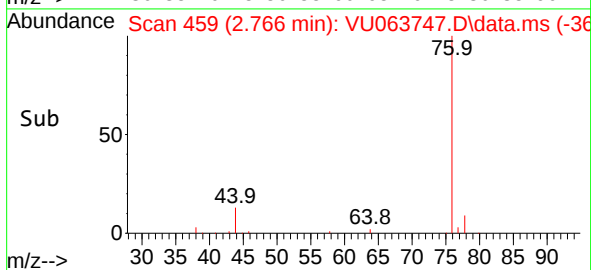
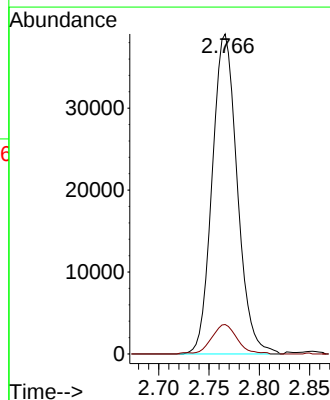
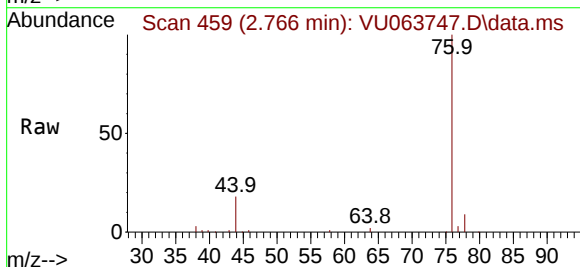
Acq: 19 Nov 2025 15:04

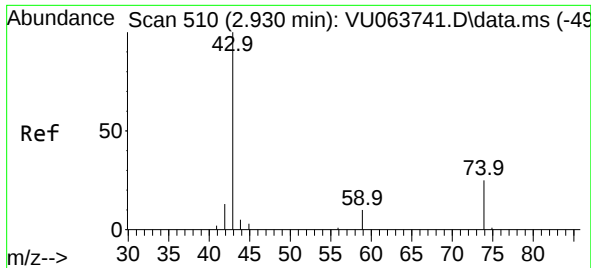
Tgt Ion: 76 Resp: 67778

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

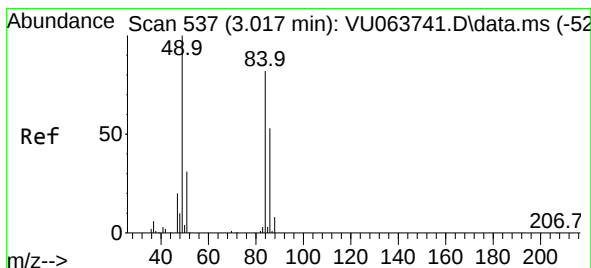
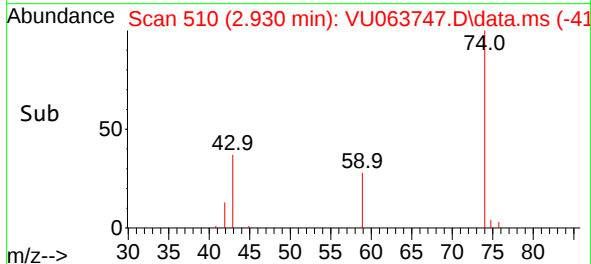
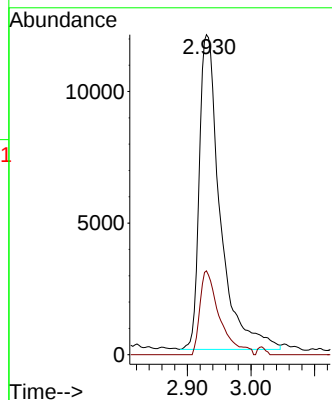
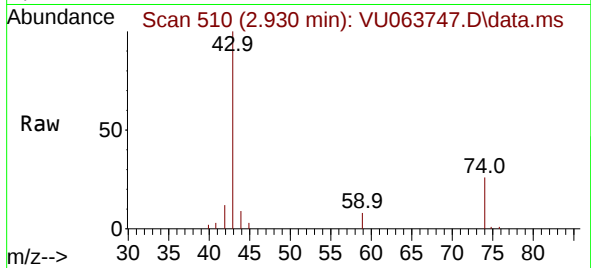




#15
Methyl Acetate
Concen: 5.735 ug/L
RT: 2.930 min Scan# 510
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

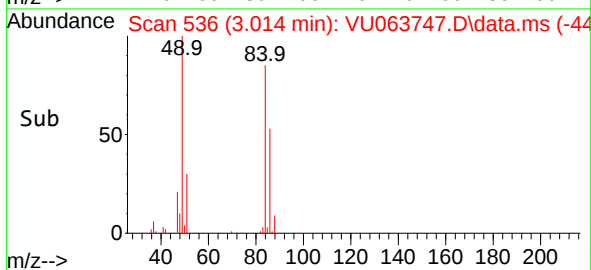
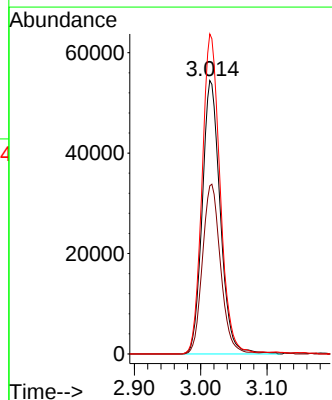
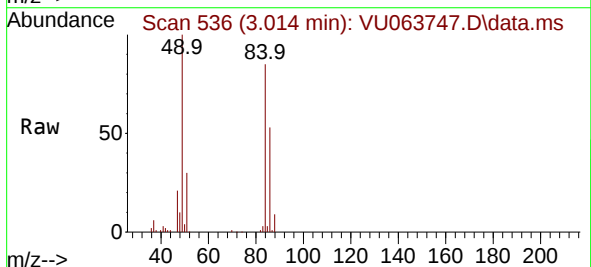
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

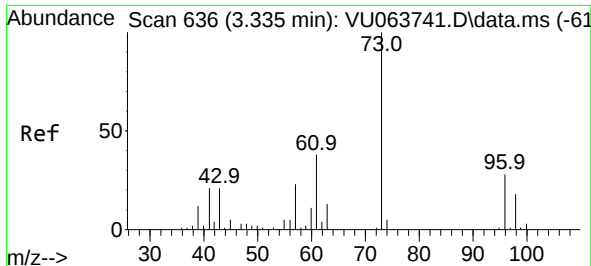
Tgt Ion: 43 Resp: 27313
Ion Ratio Lower Upper
43 100
74 25.0 21.7 32.5



#16
Methylene chloride
Concen: 6.992 ug/L
RT: 3.014 min Scan# 536
Delta R.T. -0.003 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 84 Resp: 102557
Ion Ratio Lower Upper
84 100
86 61.5 45.1 83.9
49 117.0 85.2 158.2

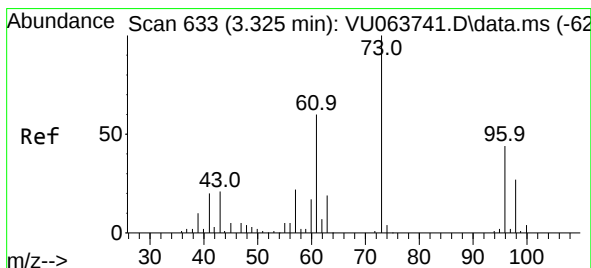
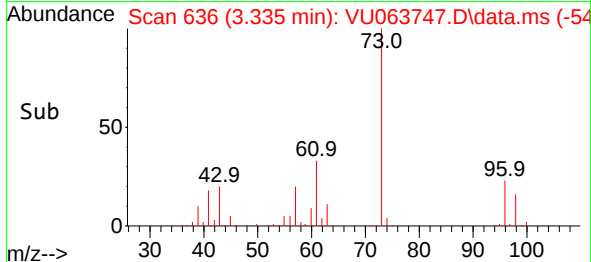
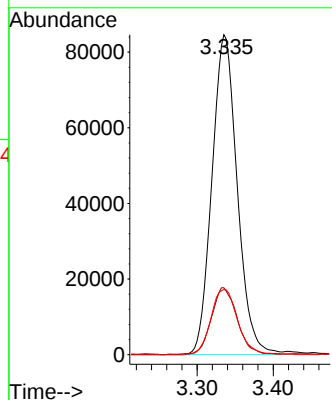
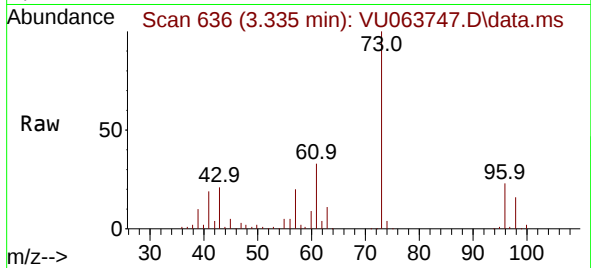




#17
Methyl tert-butyl Ether
Concen: 5.573 ug/L
RT: 3.335 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

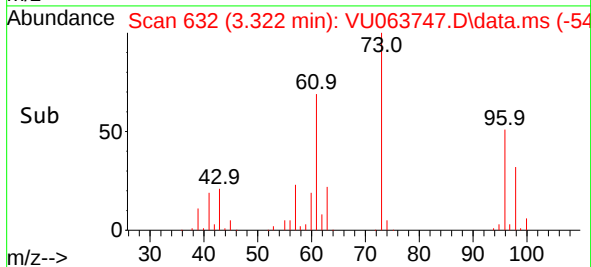
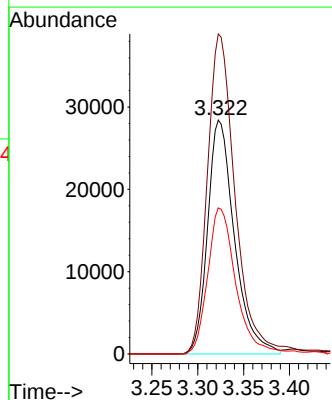
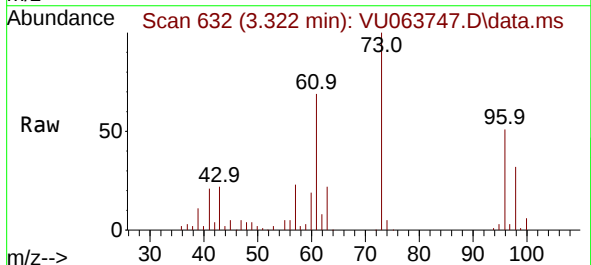
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

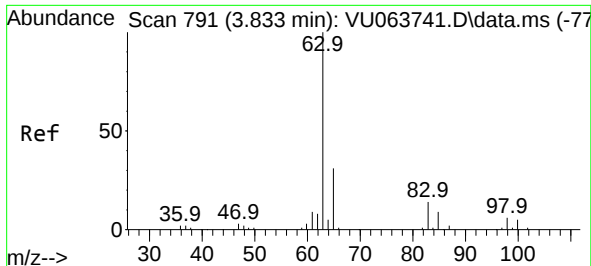
Tgt Ion: 73 Resp: 195196
Ion Ratio Lower Upper
73 100
43 21.0 17.0 25.4
57 21.4 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.136 ug/L
RT: 3.322 min Scan# 632
Delta R.T. -0.003 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 96 Resp: 57973
Ion Ratio Lower Upper
96 100
61 136.8 95.8 178.0
98 62.4 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.318 ug/L

RT: 3.834 min Scan# 791

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

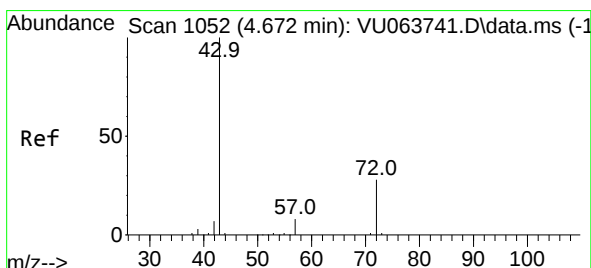
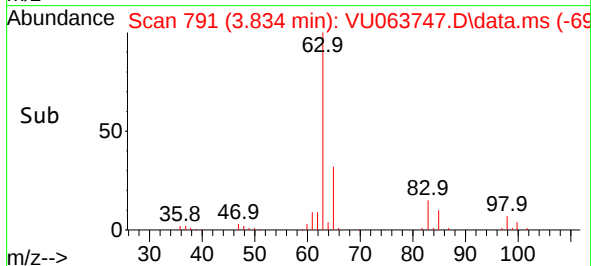
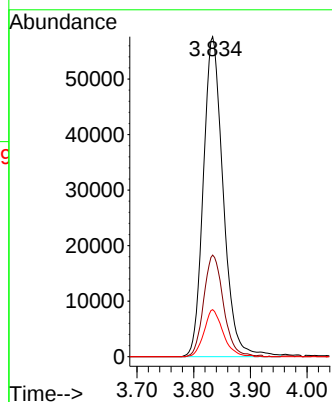
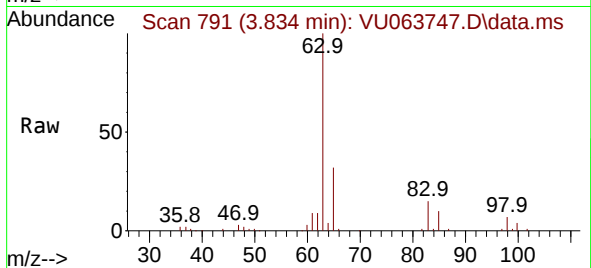
Tgt Ion: 63 Resp: 140536

Ion Ratio Lower Upper

63 100

65 31.7 22.0 40.8

83 14.7 9.9 18.3



#21

2-Butanone

Concen: 59.890 ug/L

RT: 4.673 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VU063747.D

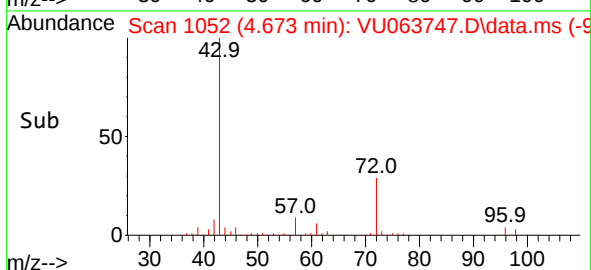
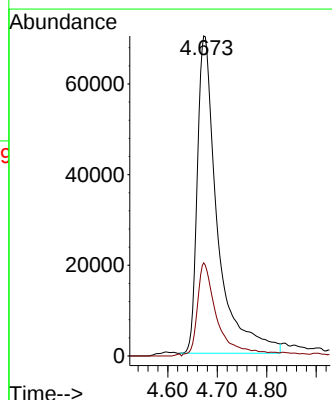
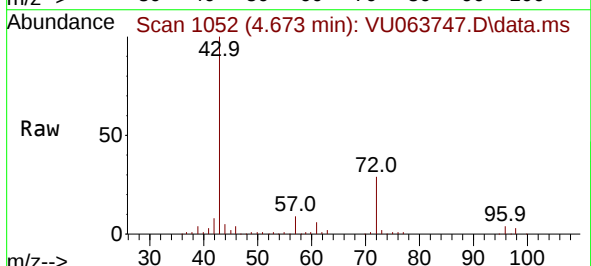
Acq: 19 Nov 2025 15:04

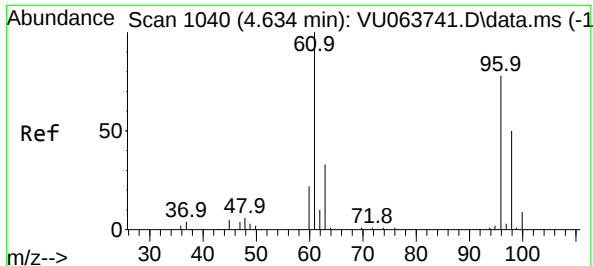
Tgt Ion: 43 Resp: 198612

Ion Ratio Lower Upper

43 100

72 28.7 13.6 40.8

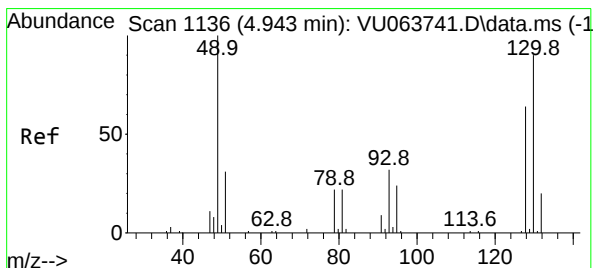
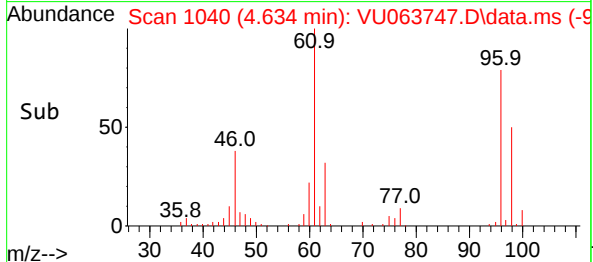
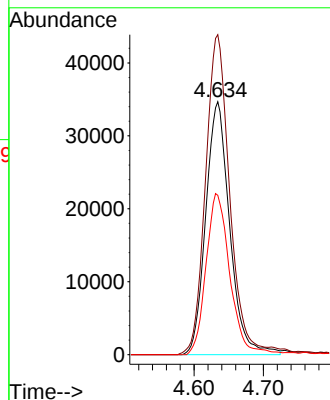
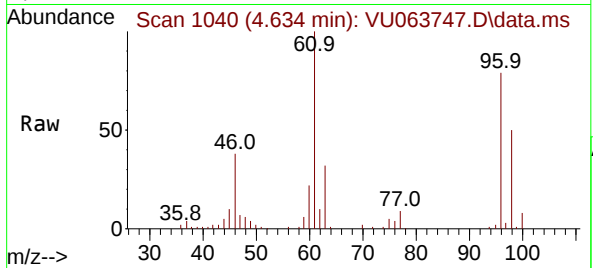




#22
 cis-1,2-Dichloroethene
 Concen: 5.328 ug/L
 RT: 4.634 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VU063747.D
 Acq: 19 Nov 2025 15:04

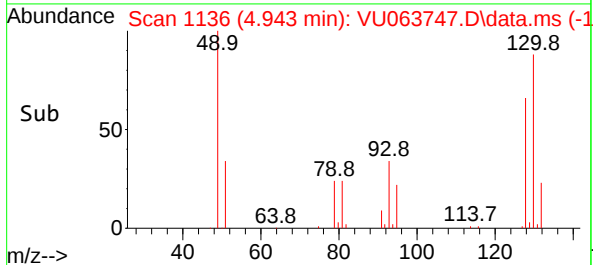
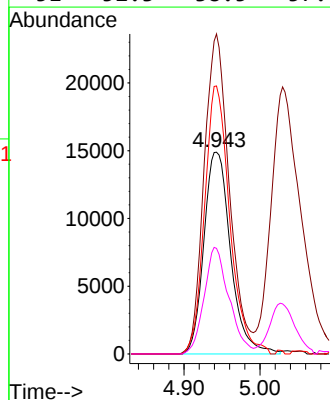
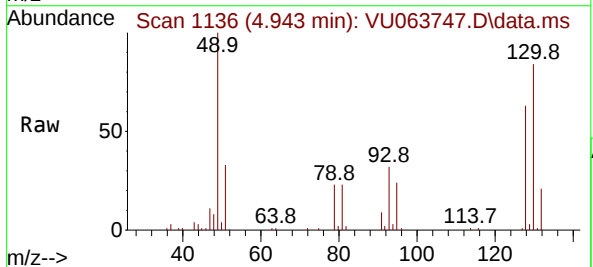
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

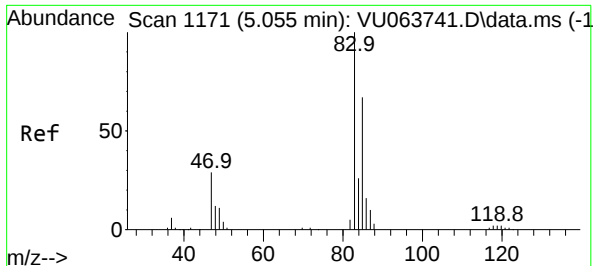
Tgt Ion: 96 Resp: 83385
 Ion Ratio Lower Upper
 96 100
 61 126.5 89.5 166.1
 98 63.0 44.6 82.8



#23
 Bromochloromethane
 Concen: 5.586 ug/L
 RT: 4.943 min Scan# 1136
 Delta R.T. 0.000 min
 Lab File: VU063747.D
 Acq: 19 Nov 2025 15:04

Tgt Ion: 128 Resp: 36333
 Ion Ratio Lower Upper
 128 100
 49 158.6 110.0 204.4
 130 132.9 98.9 183.7
 51 52.3 38.5 57.7





#25

Chloroform

Concen: 5.246 ug/L

RT: 5.055 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

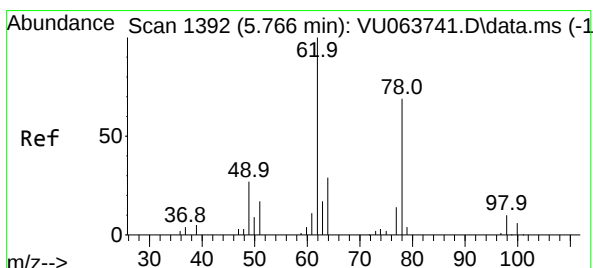
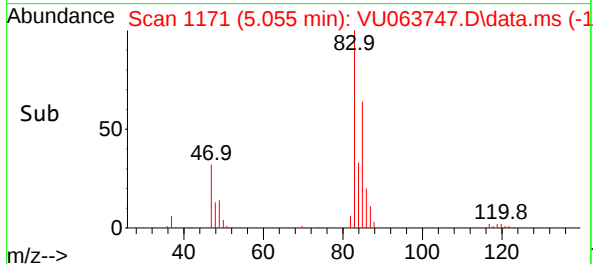
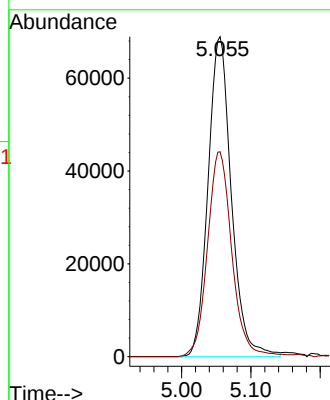
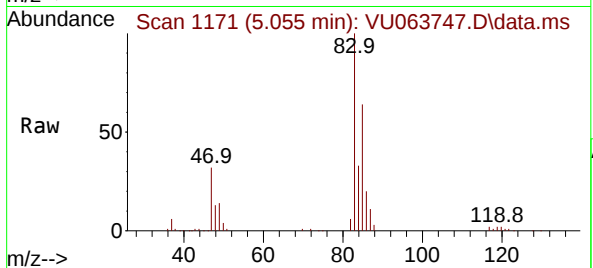
VSTD005148

Tgt Ion: 83 Resp: 161044

Ion Ratio Lower Upper

83 100

85 64.0 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.545 ug/L

RT: 5.766 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VU063747.D

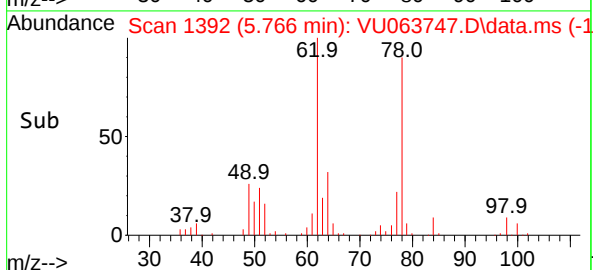
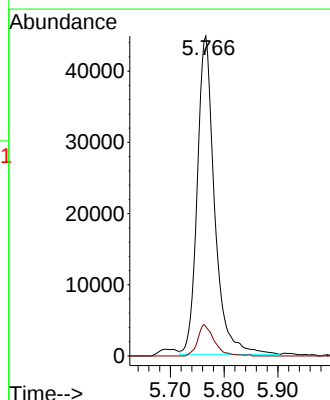
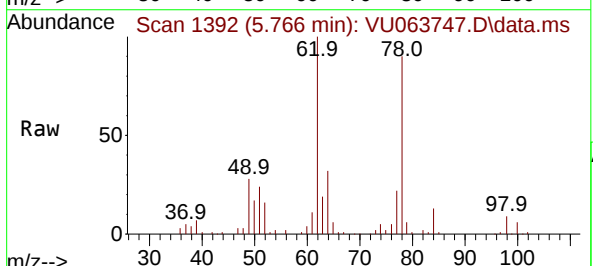
Acq: 19 Nov 2025 15:04

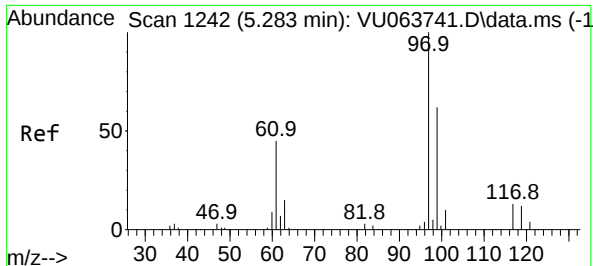
Tgt Ion: 62 Resp: 99972

Ion Ratio Lower Upper

62 100

98 9.2 7.6 11.4

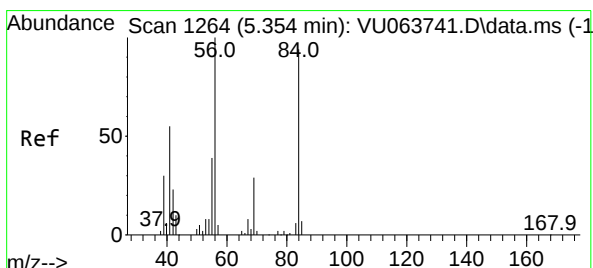
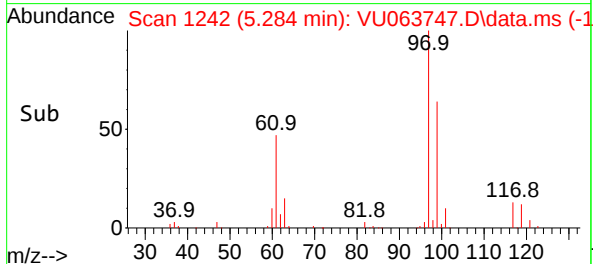
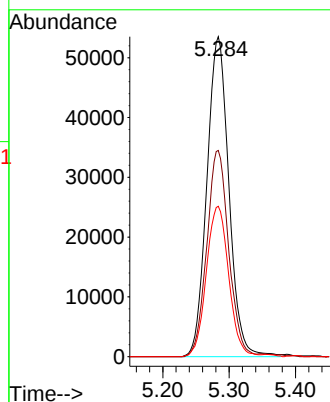
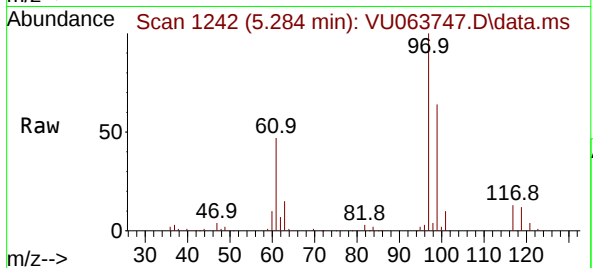




#29
1,1,1-Trichloroethane
Concen: 5.374 ug/L
RT: 5.284 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

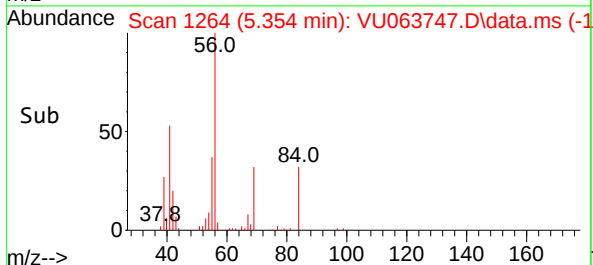
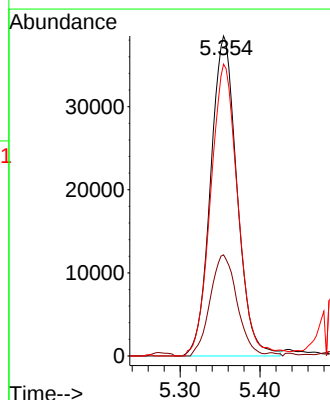
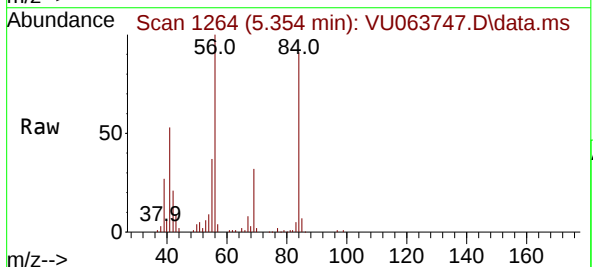
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

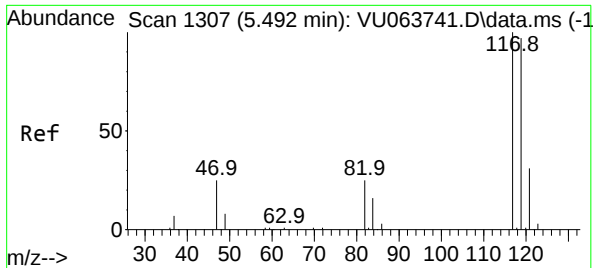
Tgt Ion: 97 Resp: 123449
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.2
61 47.7 37.4 56.2



#30
Cyclohexane
Concen: 5.206 ug/L
RT: 5.354 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 56 Resp: 88291
Ion Ratio Lower Upper
56 100
69 32.1 24.3 36.5
84 93.3 72.0 108.0

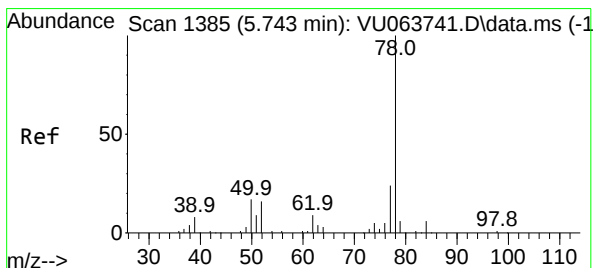
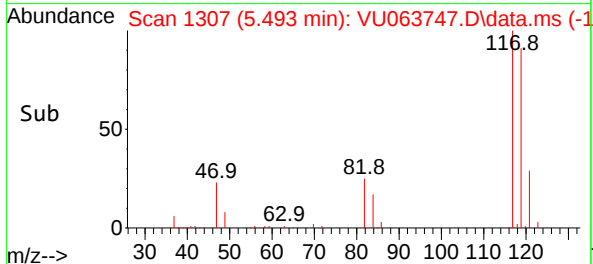
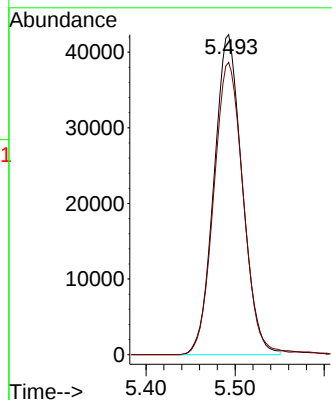
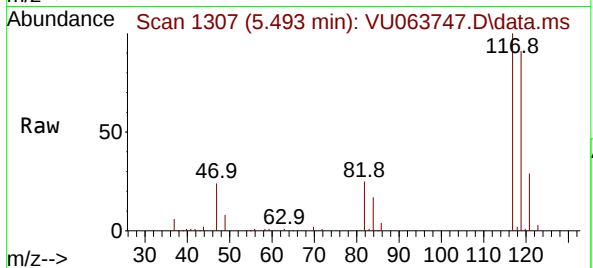




#31
Carbon tetrachloride
Concen: 5.349 ug/L
RT: 5.493 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

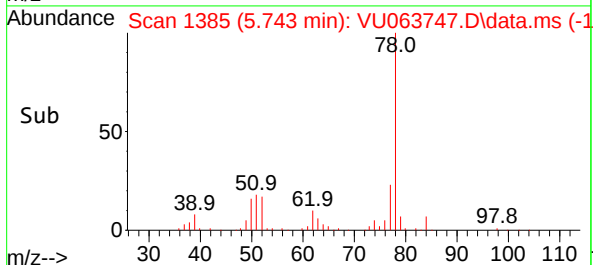
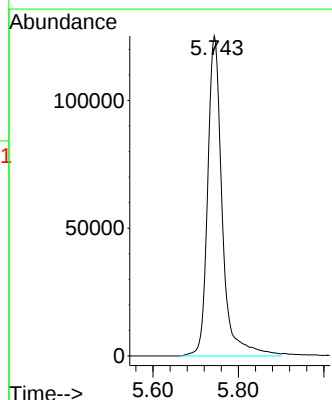
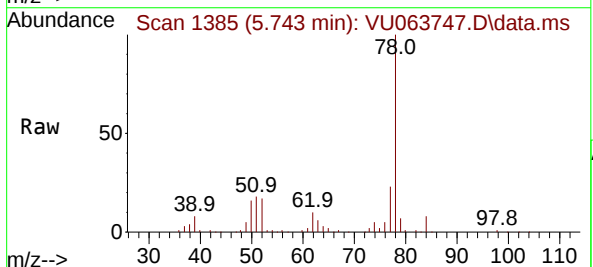
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

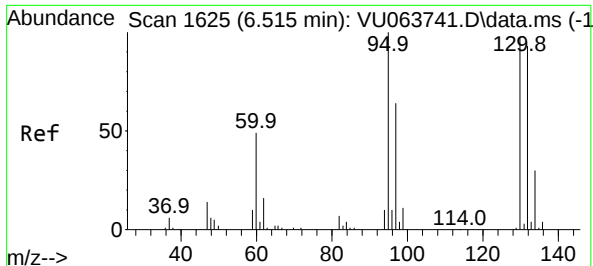
Tgt Ion:117 Resp: 93099
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.4



#33
Benzene
Concen: 5.527 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 78 Resp: 296783





#34

Trichloroethene

Concen: 5.480 ug/L

RT: 6.515 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

Tgt Ion: 95 Resp: 87336

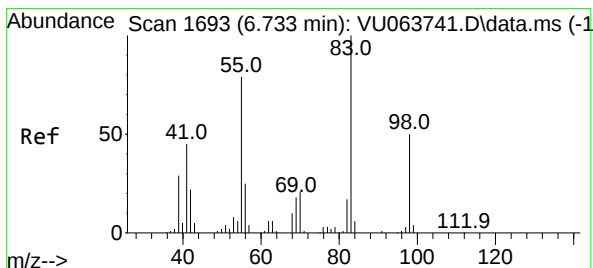
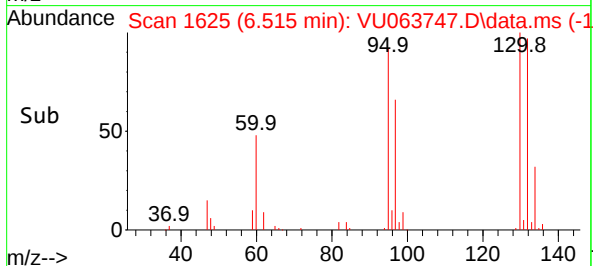
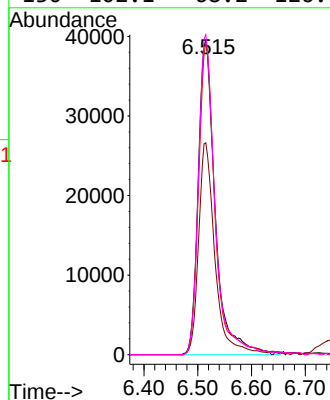
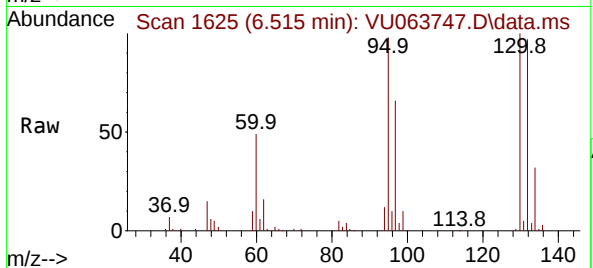
Ion Ratio Lower Upper

95 100

97 67.5 44.9 83.5

132 99.3 65.4 121.4

130 102.1 68.2 126.6



#35

Methylcyclohexane

Concen: 5.235 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

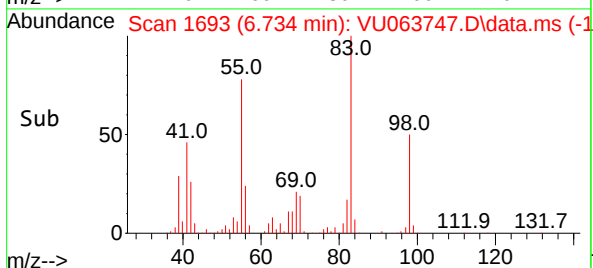
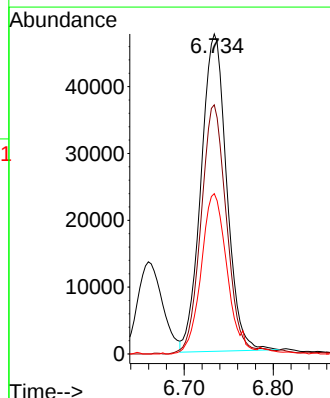
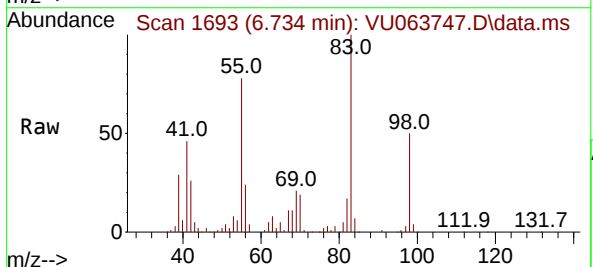
Tgt Ion: 83 Resp: 94735

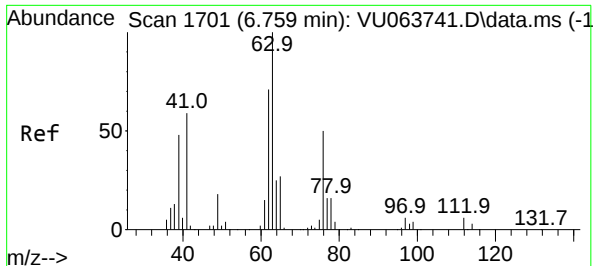
Ion Ratio Lower Upper

83 100

55 78.7 62.5 93.7

98 51.0 40.3 60.5

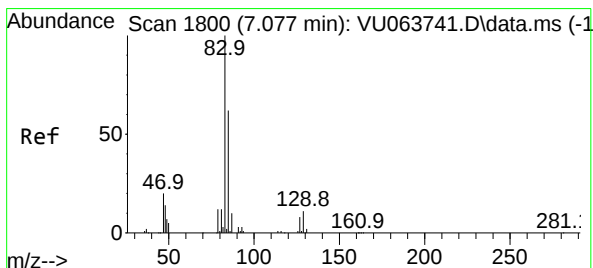
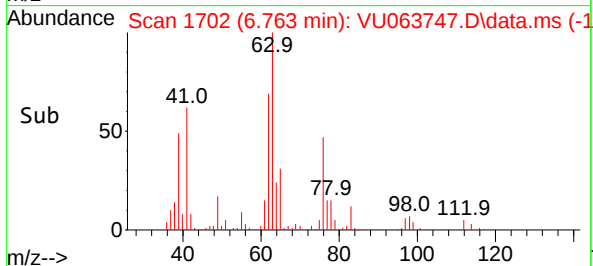
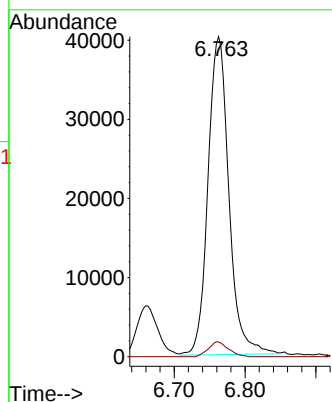
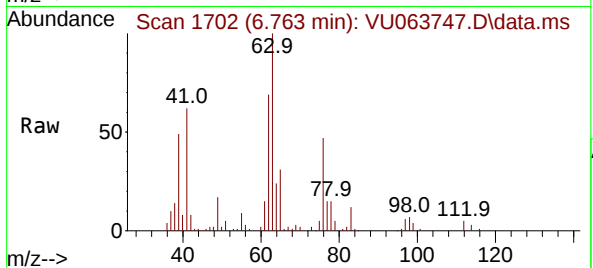




#37
1,2-Dichloropropane
Concen: 5.458 ug/L
RT: 6.763 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

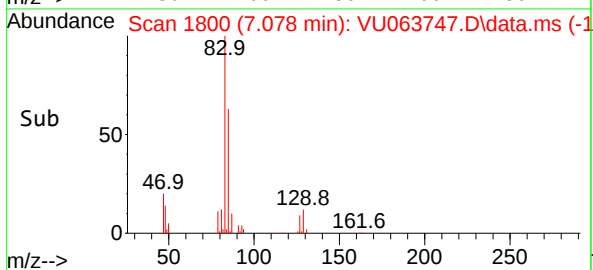
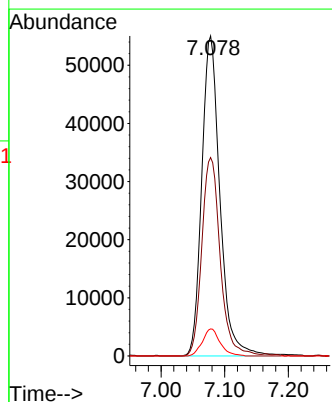
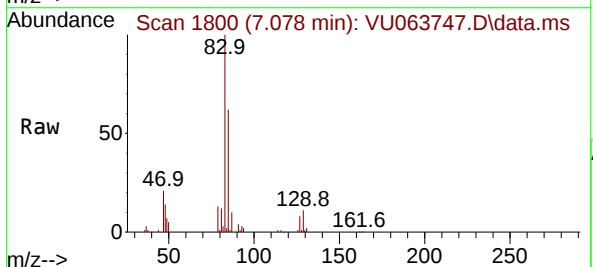
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

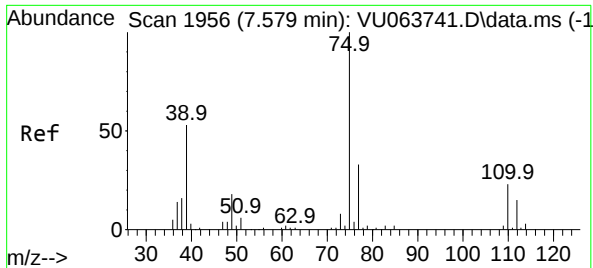
Tgt Ion: 63 Resp: 82286
Ion Ratio Lower Upper
63 100
112 4.4 3.8 5.8



#38
Bromodichloromethane
Concen: 5.504 ug/L
RT: 7.078 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 83 Resp: 109277
Ion Ratio Lower Upper
83 100
85 62.0 43.7 81.1
127 8.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 5.539 ug/L

RT: 7.579 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

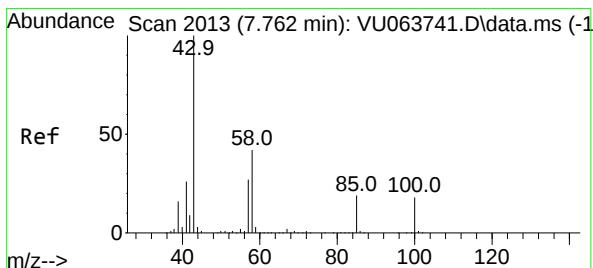
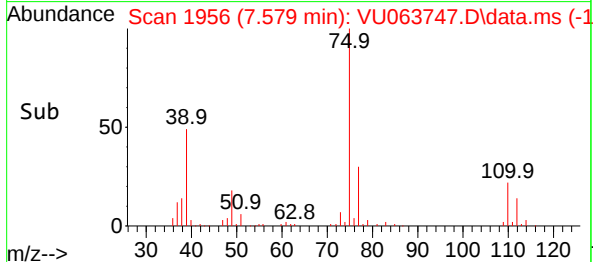
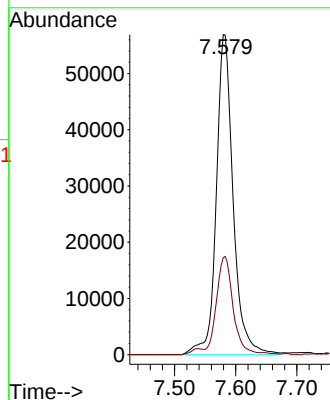
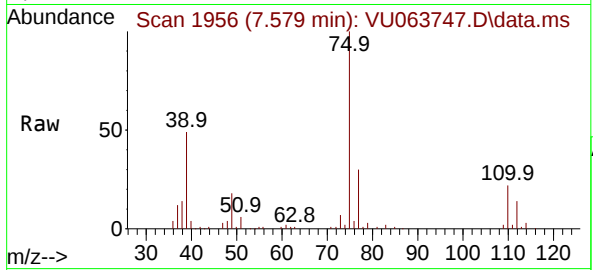
VSTD005148

Tgt Ion: 75 Resp: 108939

Ion Ratio Lower Upper

75 100

77 30.3 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 60.282 ug/L

RT: 7.763 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

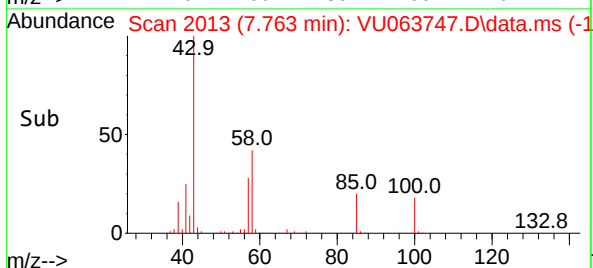
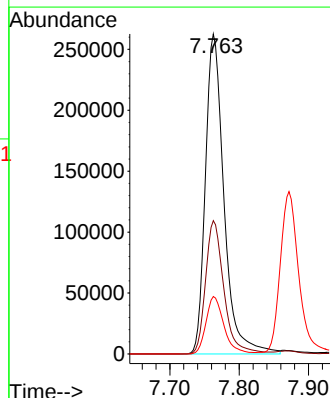
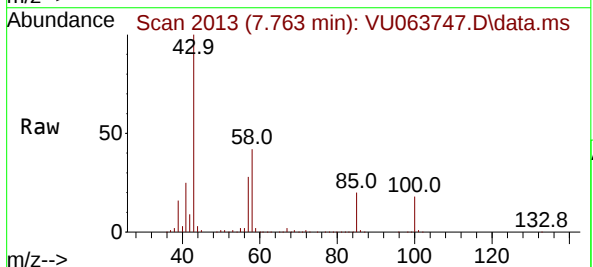
Tgt Ion: 43 Resp: 489000

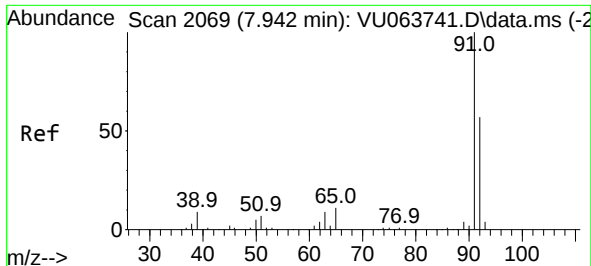
Ion Ratio Lower Upper

43 100

58 41.2 32.6 49.0

100 17.3 13.9 20.9





#42

Toluene

Concen: 5.513 ug/L

RT: 7.943 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

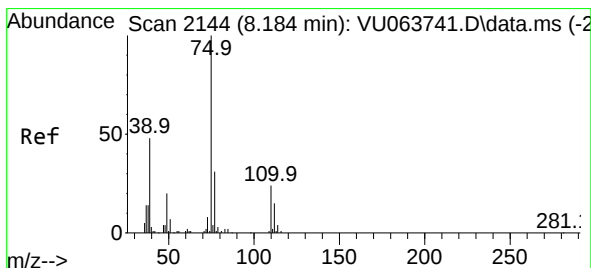
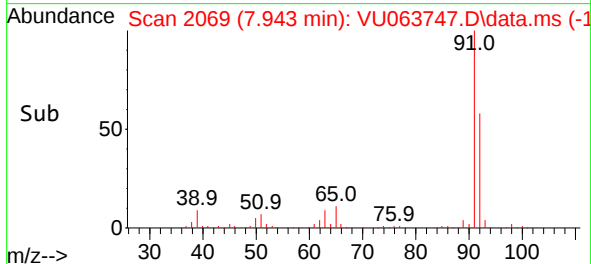
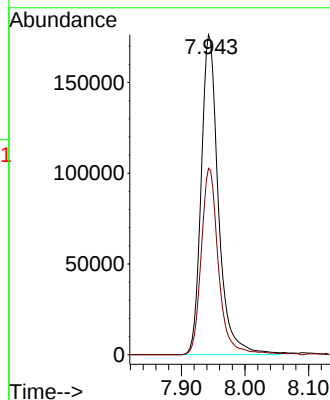
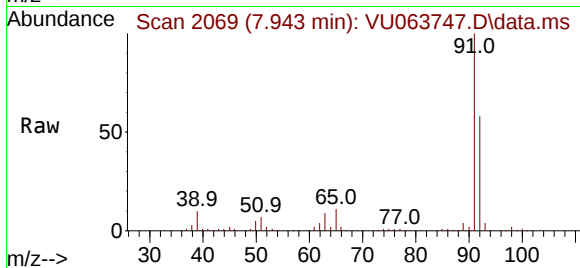
VSTD005148

Tgt Ion: 91 Resp: 331502

Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.493 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VU063747.D

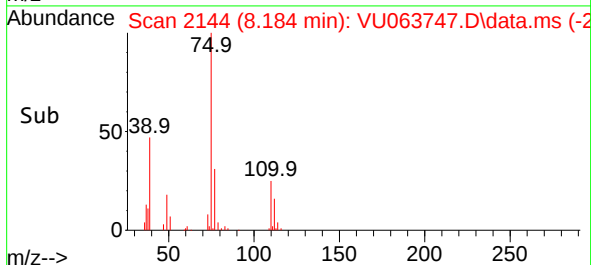
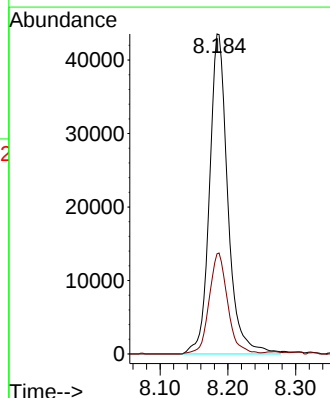
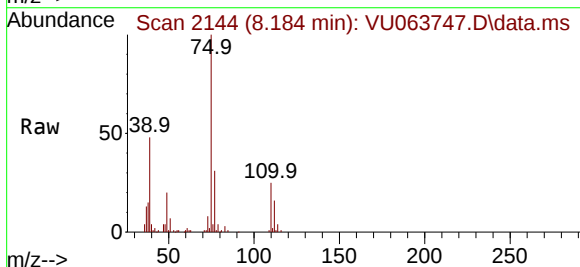
Acq: 19 Nov 2025 15:04

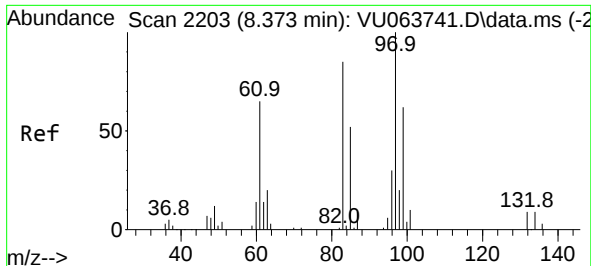
Tgt Ion: 75 Resp: 81985

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3

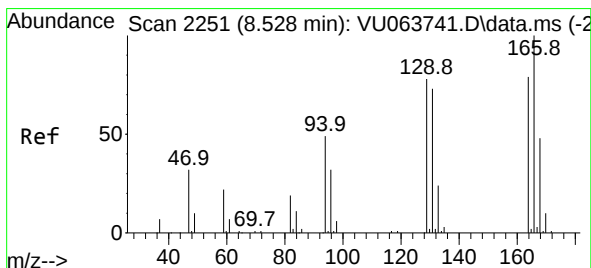
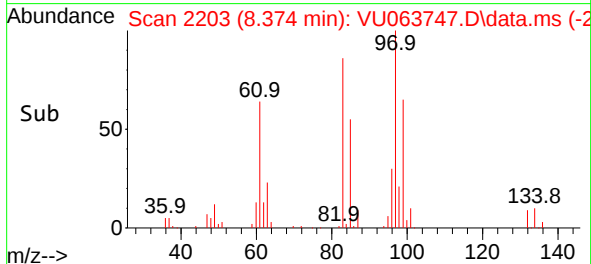
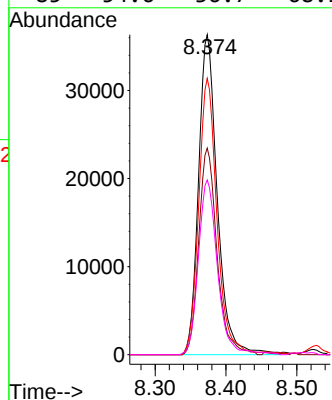
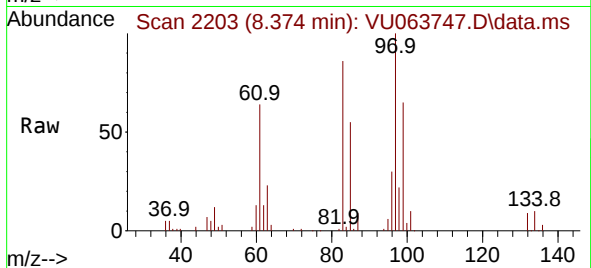




#45
1,1,2-Trichloroethane
Concen: 5.675 ug/L
RT: 8.374 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

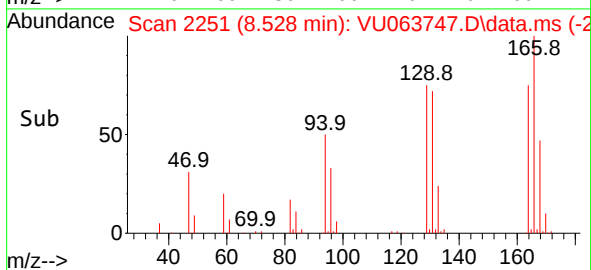
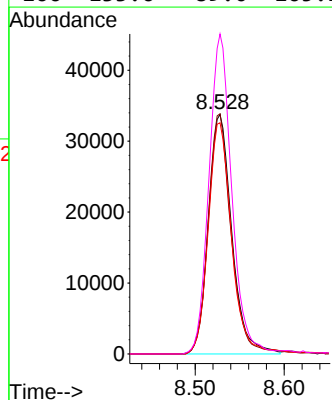
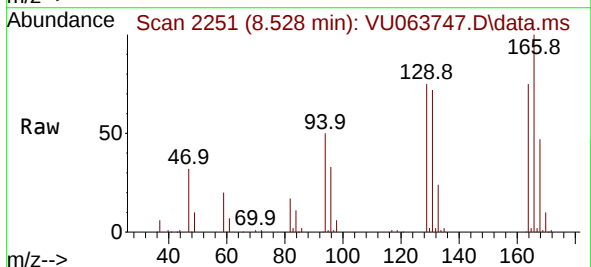
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

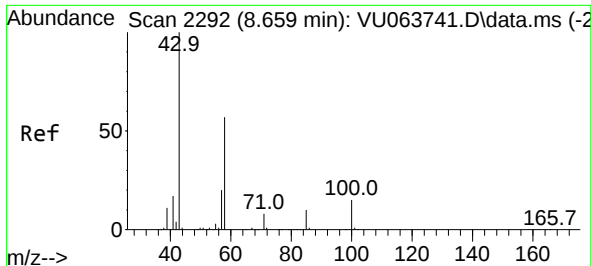
Tgt Ion:	97	Resp:	66871
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.4	80.6
83	86.4	59.4	110.2
85	54.6	36.7	68.1



#47
Tetrachloroethene
Concen: 5.280 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion:	164	Resp:	61932
Ion	Ratio	Lower	Upper
164	100		
129	100.2	69.5	129.1
131	96.5	65.2	121.2
166	133.6	89.0	165.2

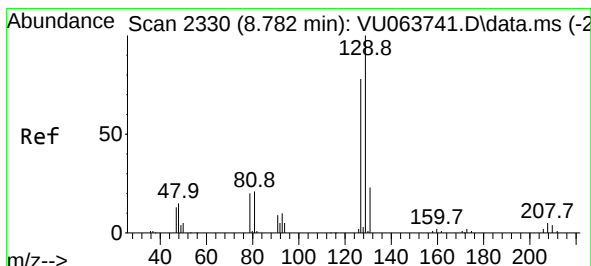
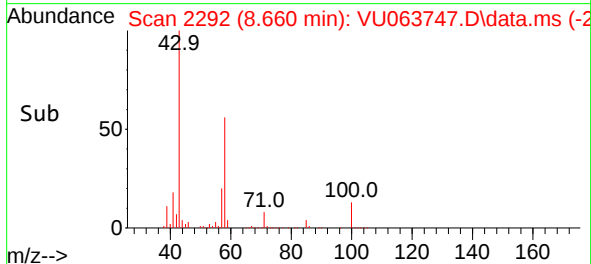
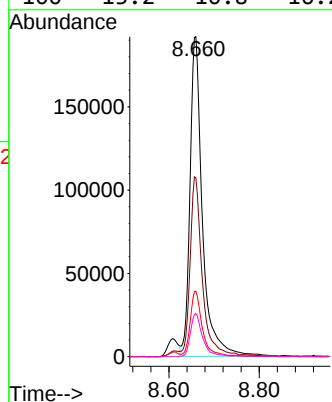
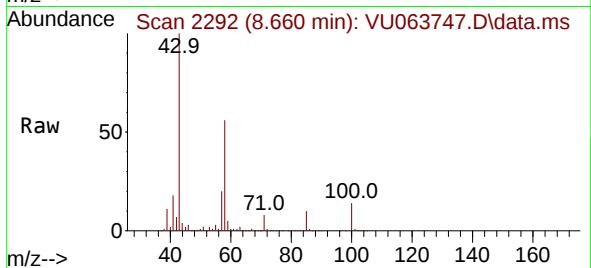




#48
2-Hexanone
Concen: 62.667 ug/L
RT: 8.660 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

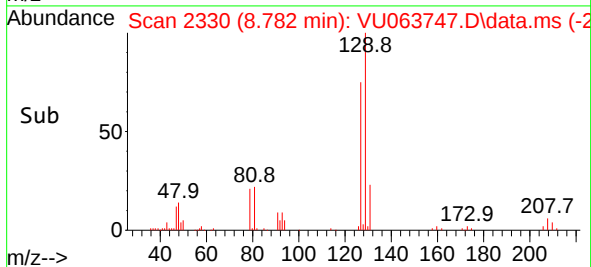
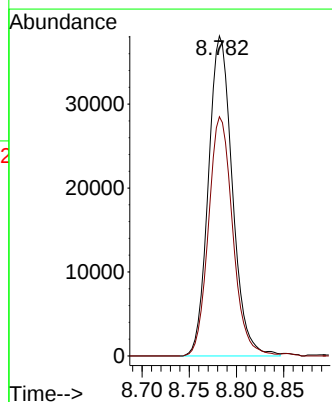
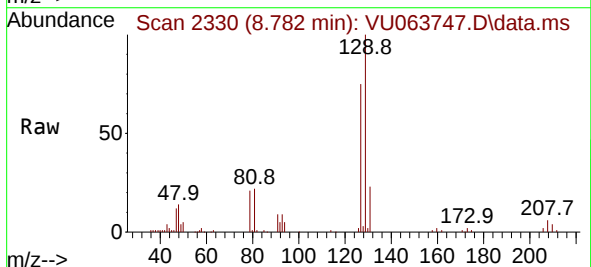
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

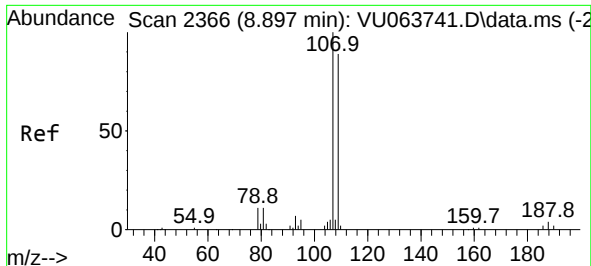
Tgt Ion: 43 Resp: 368350
Ion Ratio Lower Upper
43 100
58 54.9 43.3 64.9
57 19.1 16.2 24.2
100 13.2 10.8 16.2



#49
Dibromochloromethane
Concen: 5.607 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 129 Resp: 67336
Ion Ratio Lower Upper
129 100
127 74.7 54.9 102.1





#50

1,2-Dibromoethane

Concen: 5.653 ug/L

RT: 8.898 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

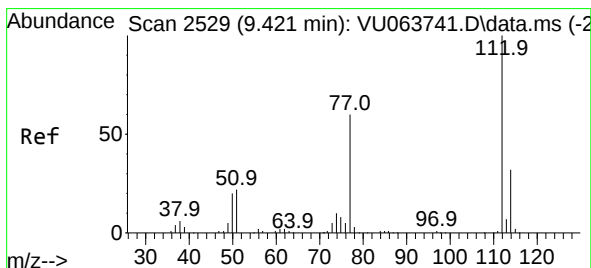
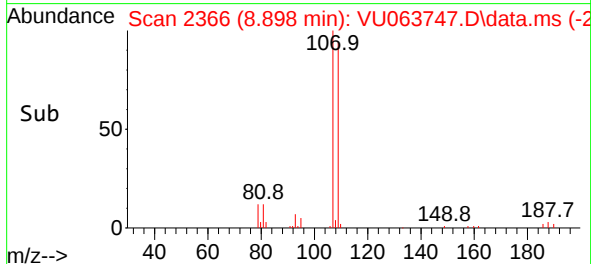
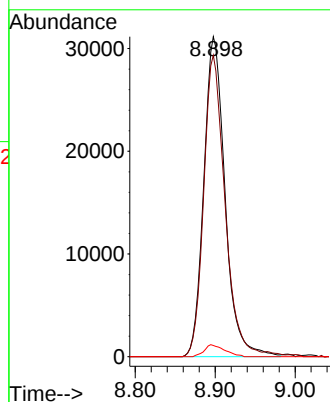
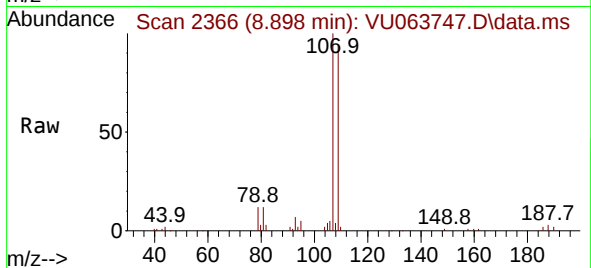
Tgt Ion:107 Resp: 57669

Ion Ratio Lower Upper

107 100

109 94.2 62.6 116.3

188 3.5 2.8 4.2



#51

Chlorobenzene

Concen: 5.380 ug/L

RT: 9.422 min Scan# 2529

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

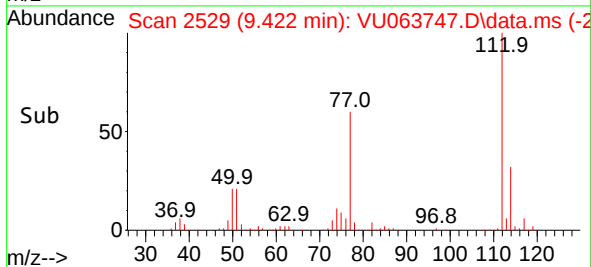
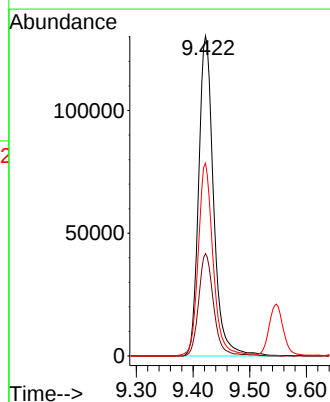
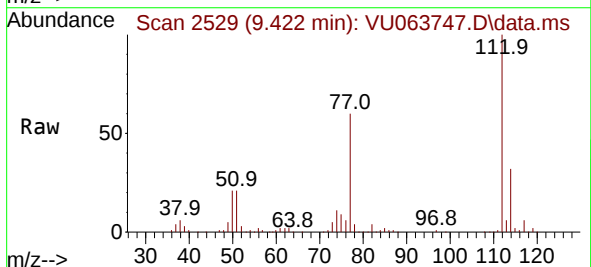
Tgt Ion:112 Resp: 237723

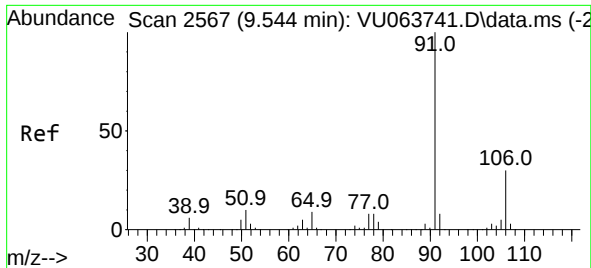
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 60.2 48.3 72.5

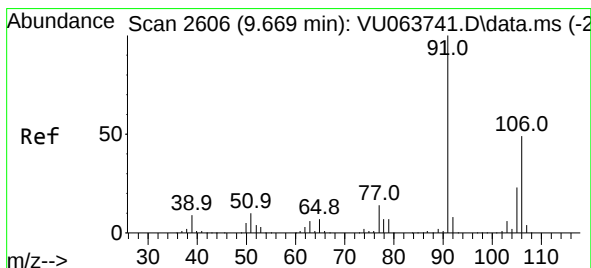
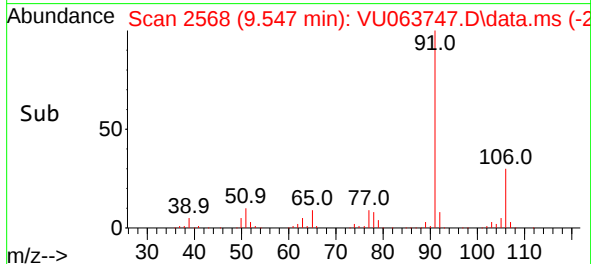
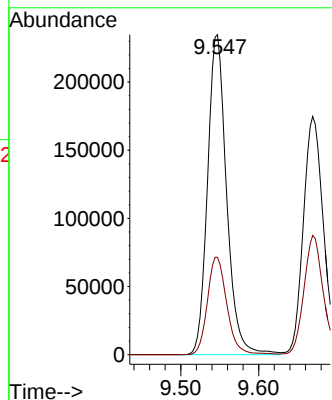
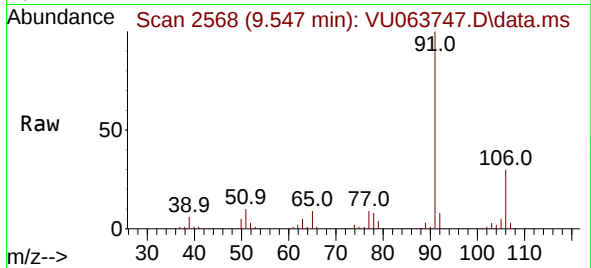




#52
Ethylbenzene
Concen: 5.348 ug/L
RT: 9.547 min Scan# 2567
Delta R.T. 0.003 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

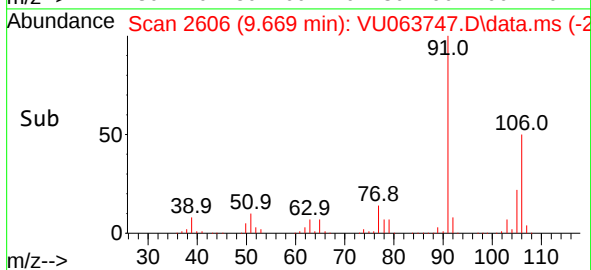
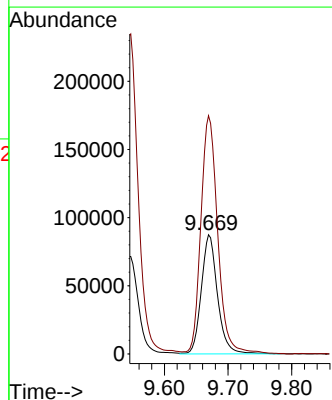
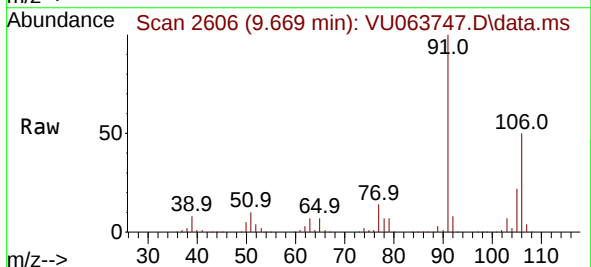
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

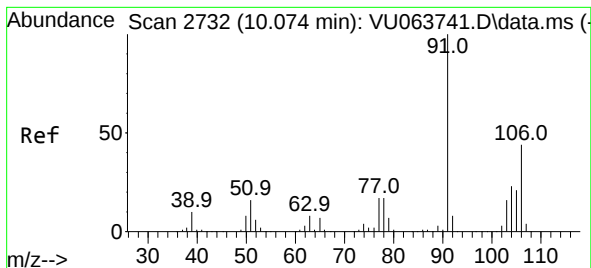
Tgt Ion: 91 Resp: 398781
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.3



#53
m,p-Xylene
Concen: 5.463 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 106 Resp: 153806
Ion Ratio Lower Upper
106 100
91 199.9 144.5 268.3





#54

o-Xylene

Concen: 5.464 ug/L

RT: 10.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

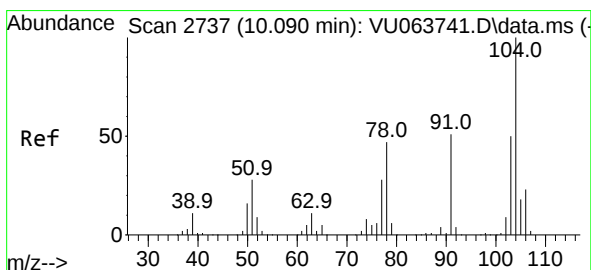
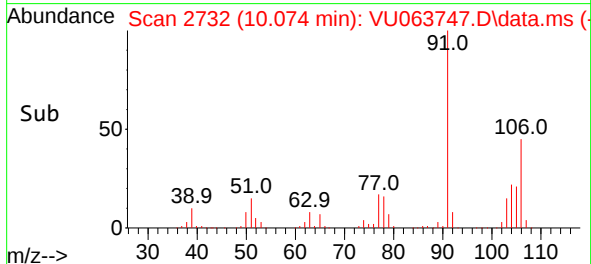
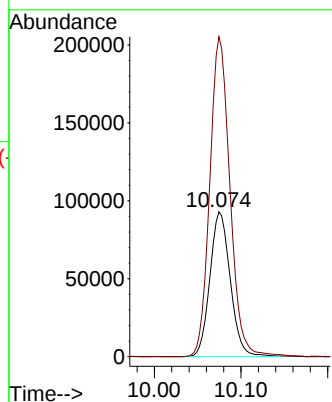
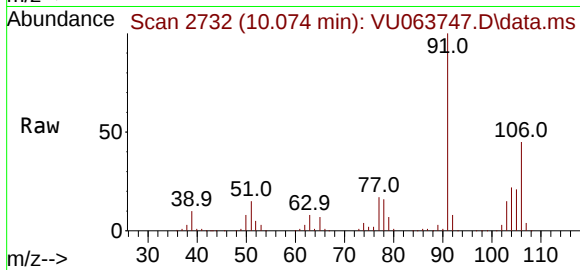
VSTD005148

Tgt Ion:106 Resp: 151958

Ion Ratio Lower Upper

106 100

91 220.9 157.4 292.4



#55

Styrene

Concen: 5.574 ug/L

RT: 10.091 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063747.D

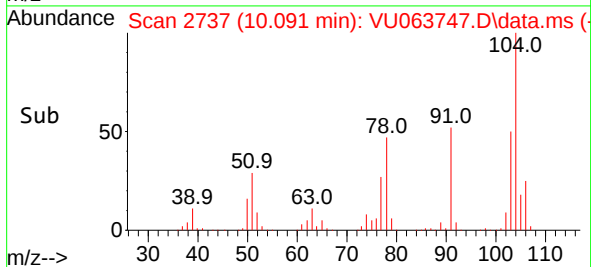
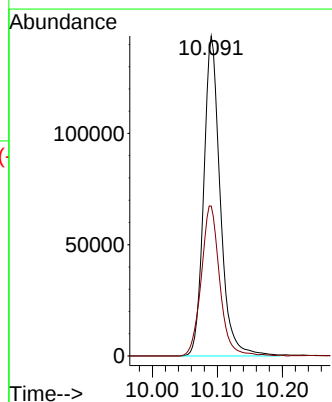
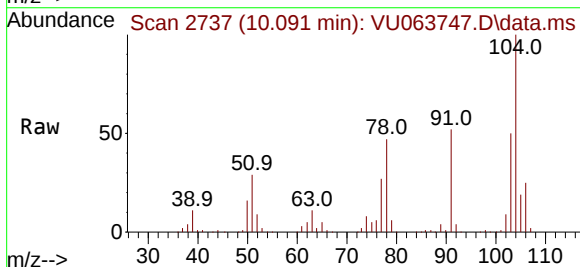
Acq: 19 Nov 2025 15:04

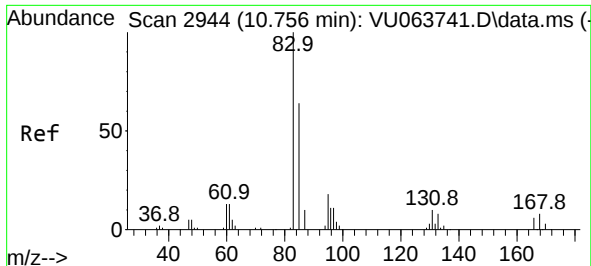
Tgt Ion:104 Resp: 254885

Ion Ratio Lower Upper

104 100

78 46.9 32.7 60.7

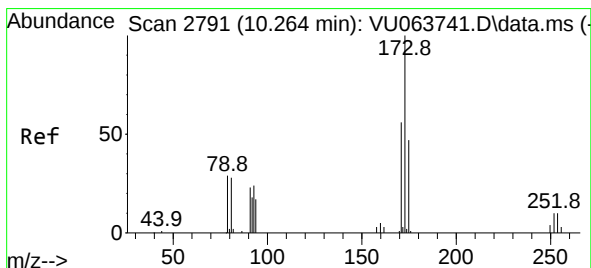
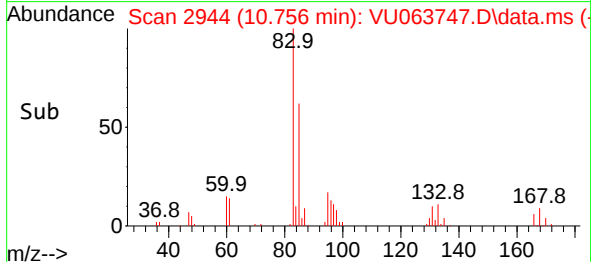
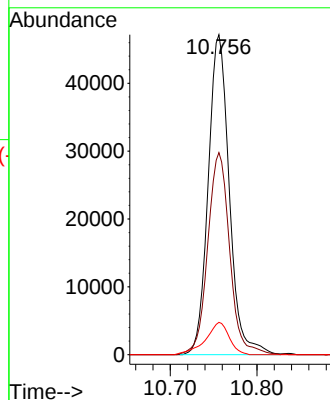
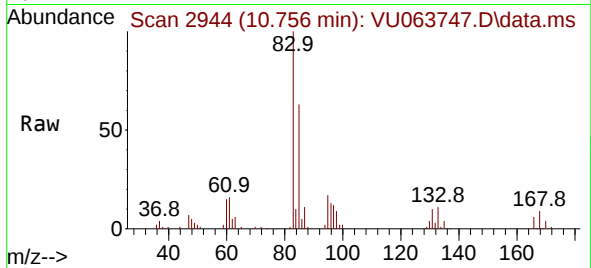




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.661 ug/L
 RT: 10.756 min Scan# 2944
 Delta R.T. 0.000 min
 Lab File: VU063747.D
 Acq: 19 Nov 2025 15:04

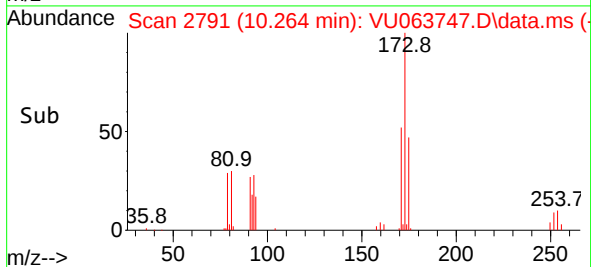
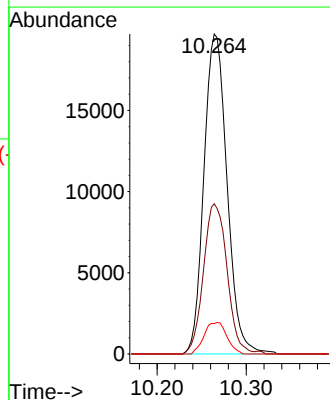
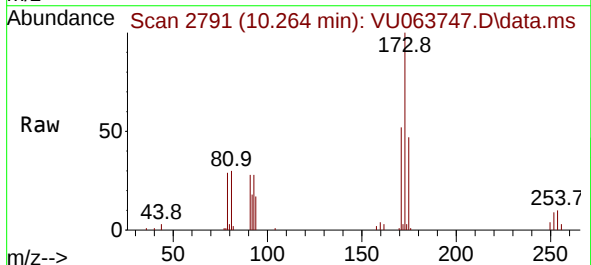
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

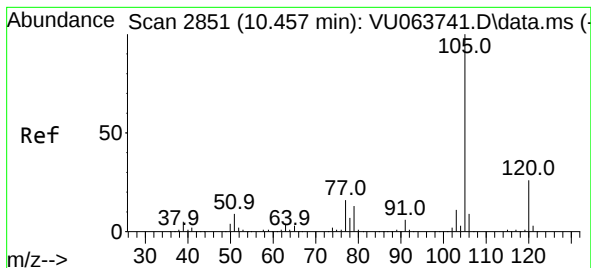
Tgt Ion: 83 Resp: 79791
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.2 84.0
 131 10.1 8.4 12.6



#59
 Bromoform
 Concen: 5.301 ug/L
 RT: 10.264 min Scan# 2791
 Delta R.T. 0.000 min
 Lab File: VU063747.D
 Acq: 19 Nov 2025 15:04

Tgt Ion: 173 Resp: 35470
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.8 56.8
 254 9.7 7.8 11.8





#60

Isopropylbenzene

Concen: 5.099 ug/L

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

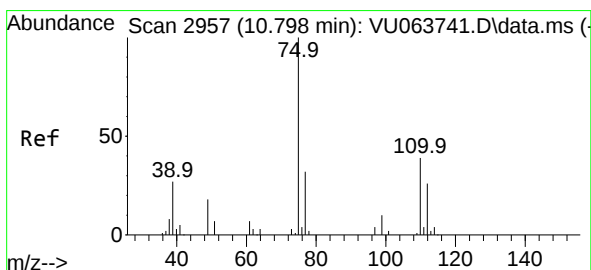
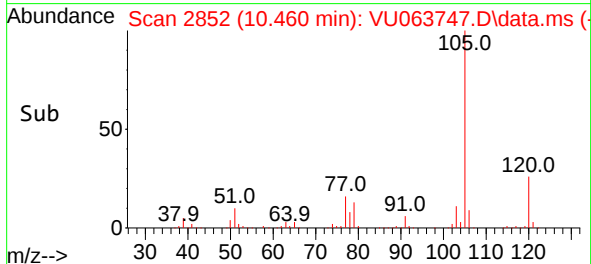
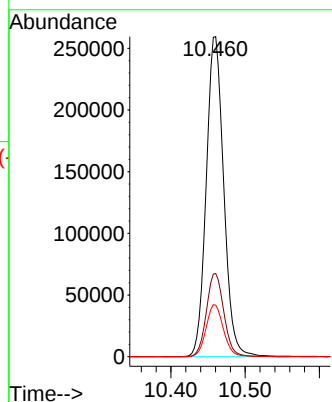
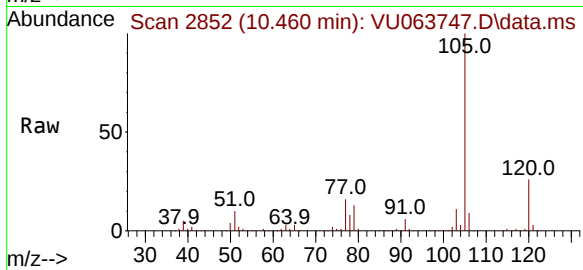
Tgt Ion:105 Resp: 424163

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.2 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.457 ug/L

RT: 10.795 min Scan# 2956

Delta R.T. -0.003 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

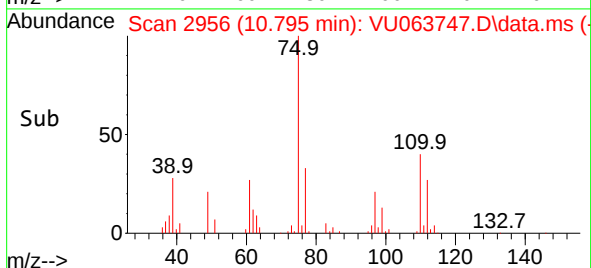
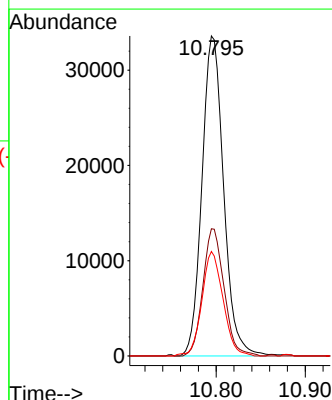
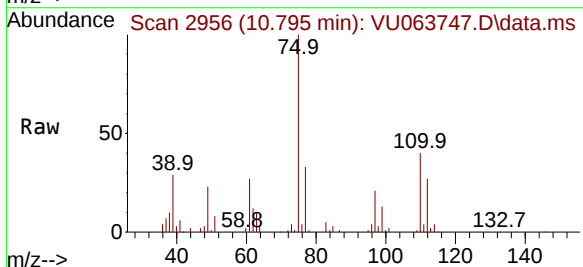
Tgt Ion: 75 Resp: 56870

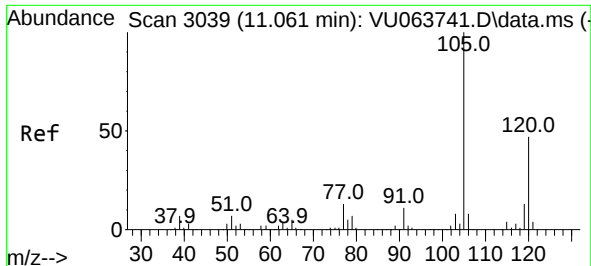
Ion Ratio Lower Upper

75 100

110 38.7 31.2 46.8

77 31.8 26.6 40.0





#62

1,3,5-Trimethylbenzene

Concen: 5.140 ug/L

RT: 11.065 min Scan# 3040

Delta R.T. 0.003 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

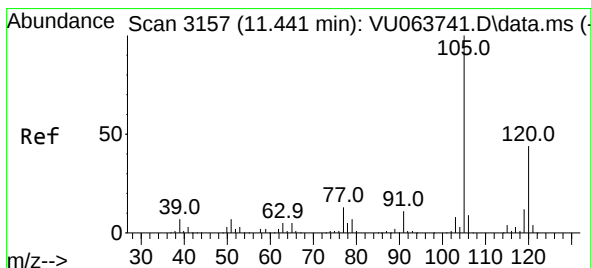
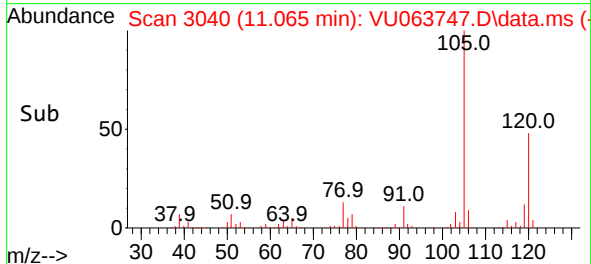
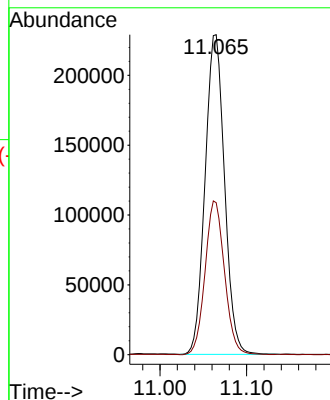
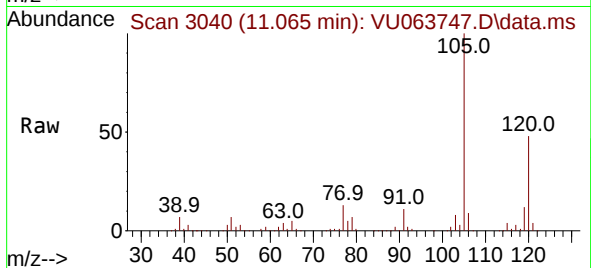
VSTD005148

Tgt Ion:105 Resp: 356692

Ion Ratio Lower Upper

105 100

120 48.1 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 5.222 ug/L

RT: 11.444 min Scan# 3158

Delta R.T. 0.003 min

Lab File: VU063747.D

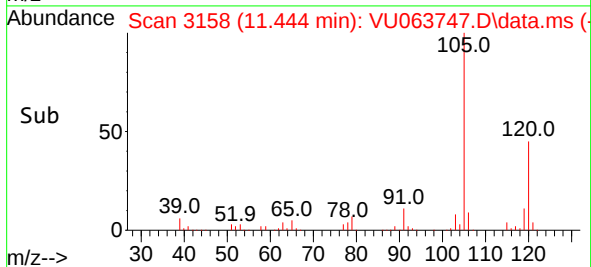
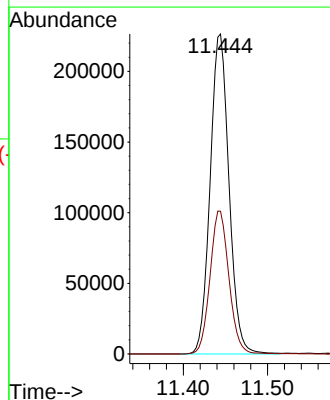
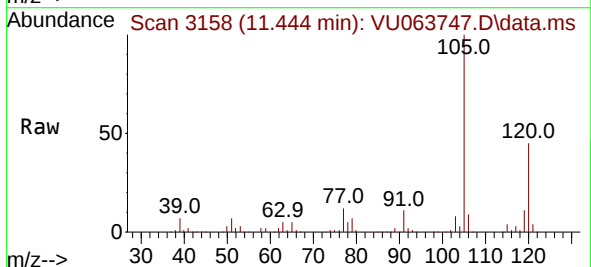
Acq: 19 Nov 2025 15:04

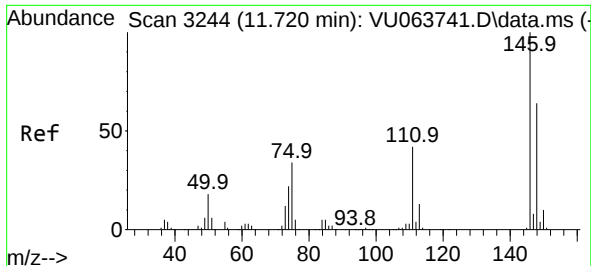
Tgt Ion:105 Resp: 351789

Ion Ratio Lower Upper

105 100

120 44.9 35.1 52.7

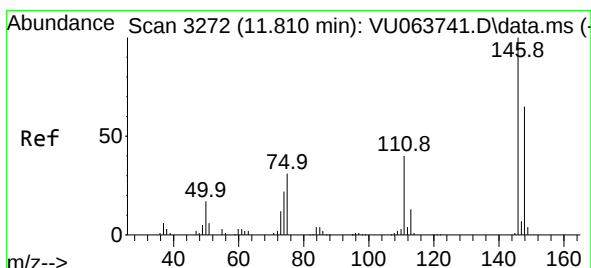
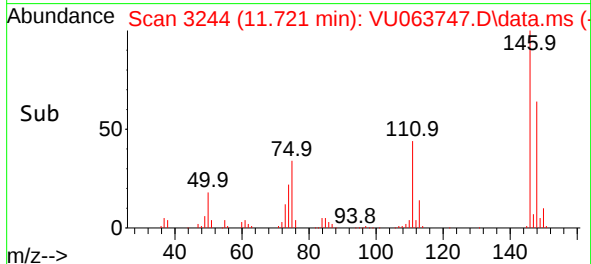
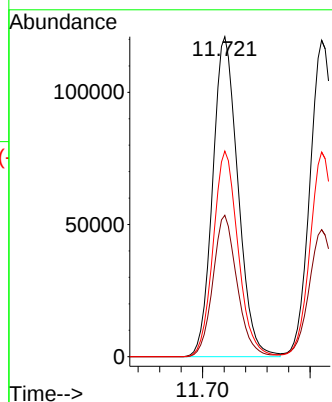
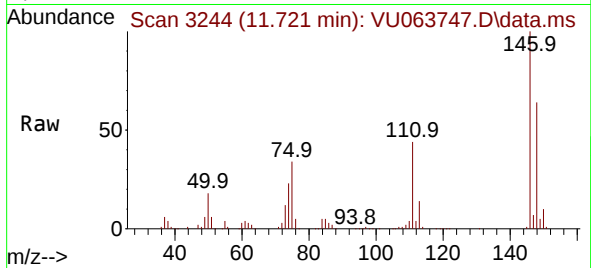




#64
1,3-Dichlorobenzene
Concen: 5.022 ug/L
RT: 11.721 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

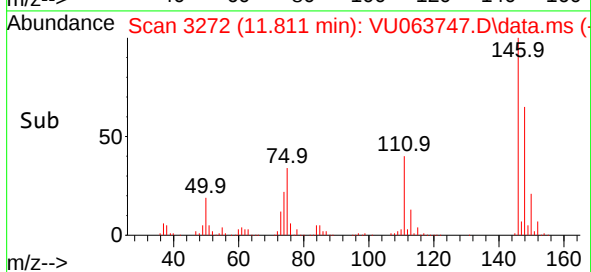
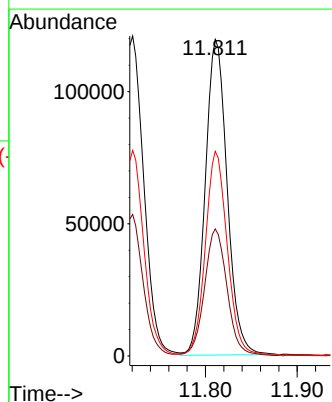
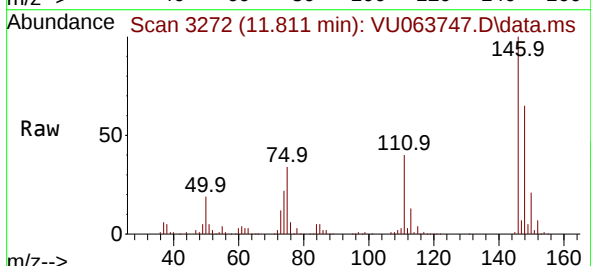
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

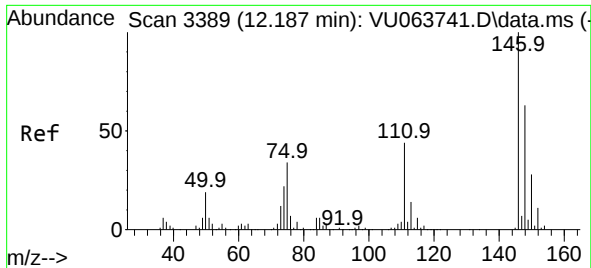
Tgt Ion:146 Resp: 197731
Ion Ratio Lower Upper
146 100
111 44.2 29.5 54.9
148 64.3 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 4.975 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion:146 Resp: 198520
Ion Ratio Lower Upper
146 100
111 40.1 27.9 51.7
148 64.7 45.7 84.9

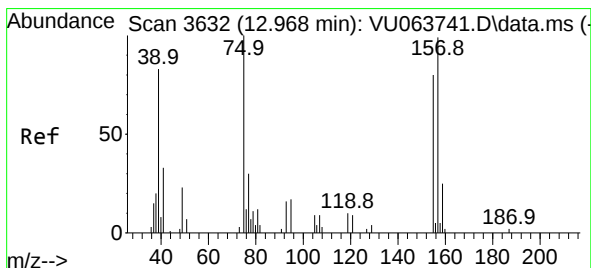
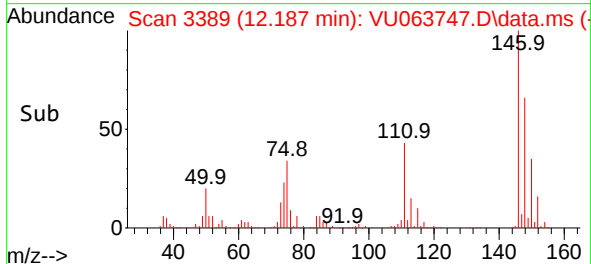
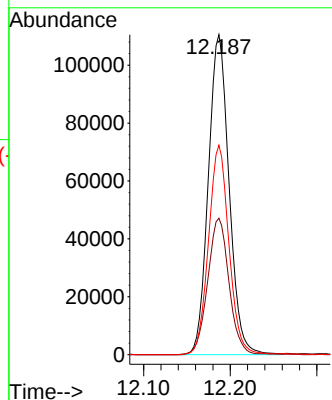
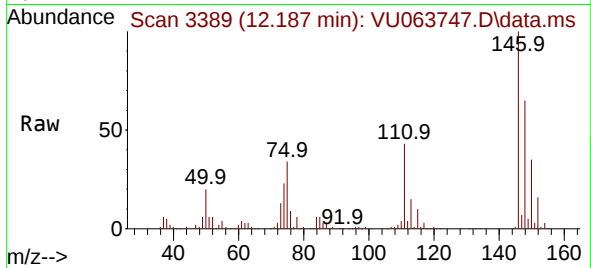




#67
1,2-Dichlorobenzene
Concen: 5.178 ug/L
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

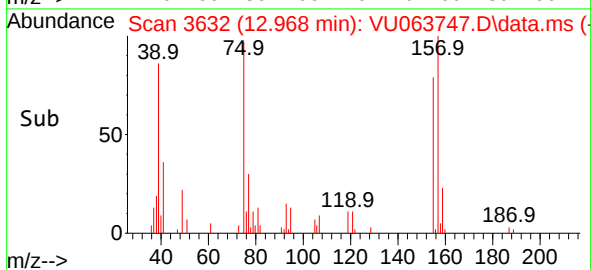
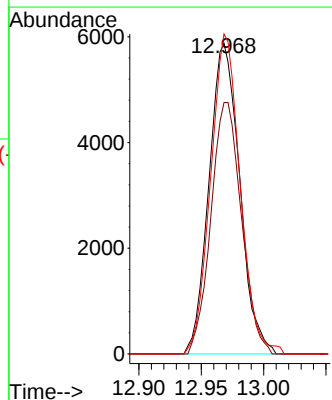
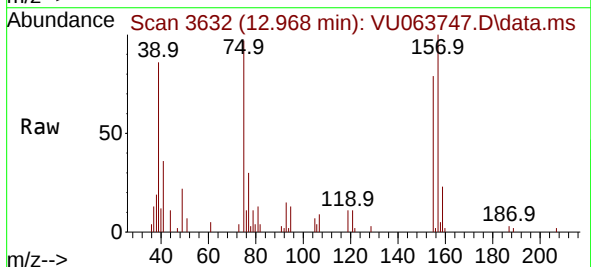
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

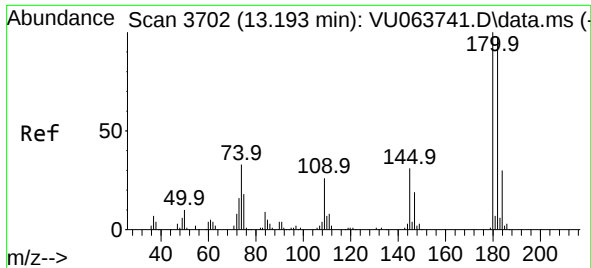
Tgt Ion:146 Resp: 183960
Ion Ratio Lower Upper
146 100
111 42.7 35.0 52.4
148 65.5 50.2 75.2



#68
1,2-Dibromo-3-chloropropane
Concen: 5.241 ug/L
RT: 12.968 min Scan# 3632
Delta R.T. 0.000 min
Lab File: VU063747.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 75 Resp: 10047
Ion Ratio Lower Upper
75 100
155 81.0 64.1 96.1
157 103.1 79.0 118.4





#69

1,3,5-Trichlorobenzene

Concen: 5.158 ug/L

RT: 13.190 min Scan# 3702

Delta R.T. -0.003 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

Tgt Ion:180 Resp: 148742

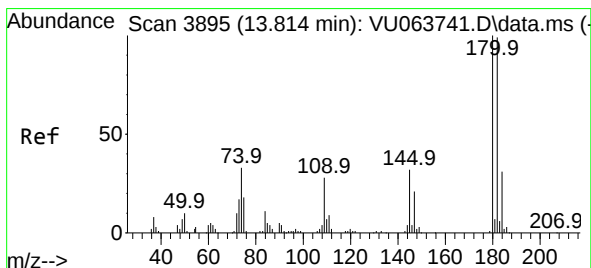
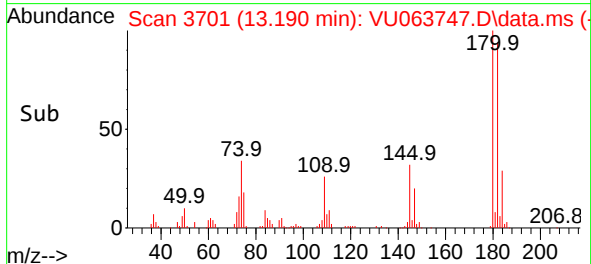
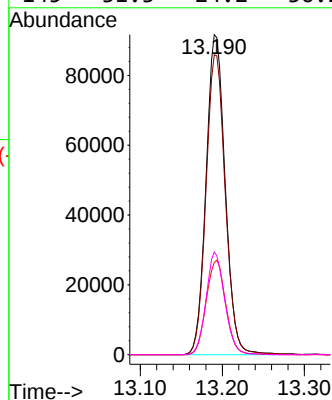
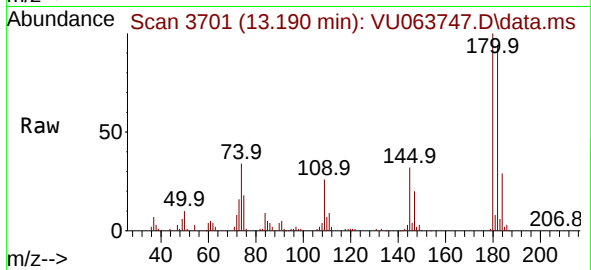
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

184 30.1 23.8 35.6

145 31.3 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 5.221 ug/L

RT: 13.814 min Scan# 3895

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

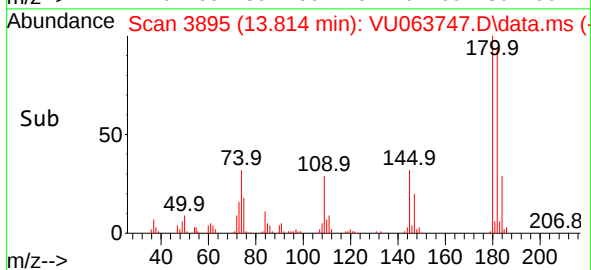
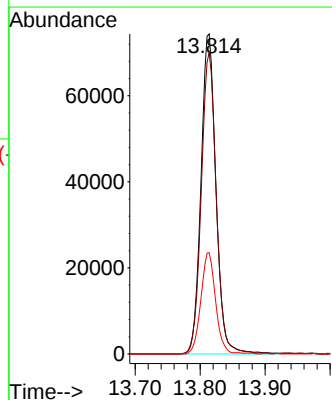
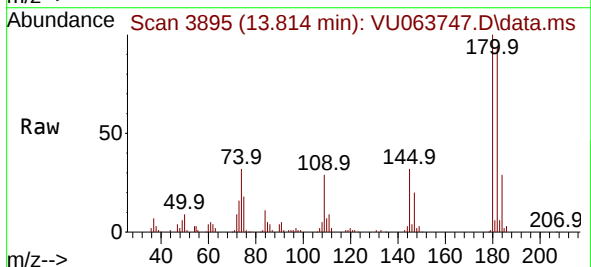
Tgt Ion:180 Resp: 119504

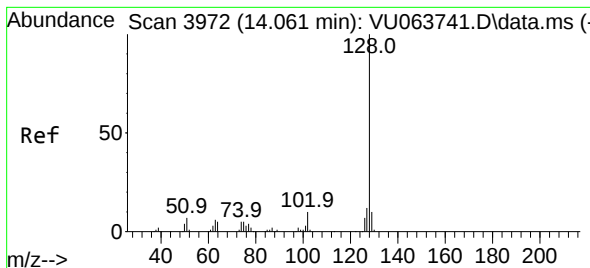
Ion Ratio Lower Upper

180 100

182 94.3 77.8 116.6

145 31.0 26.1 39.1





#71

Naphthalene

Concen: 5.075 ug/L

RT: 14.061 min Scan# 3972

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

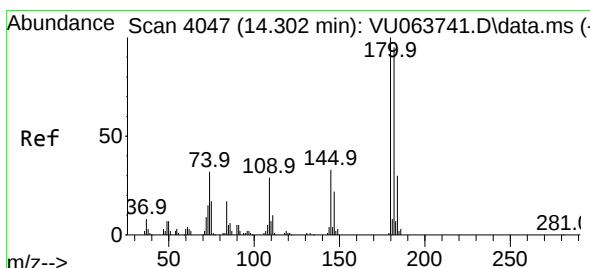
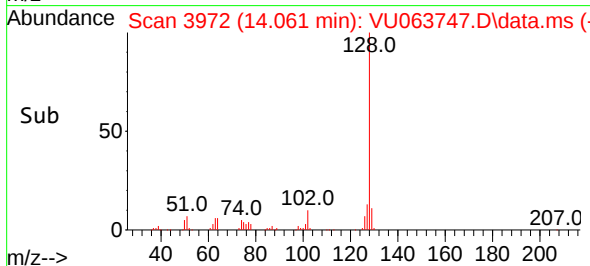
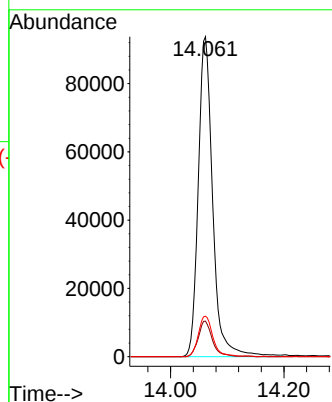
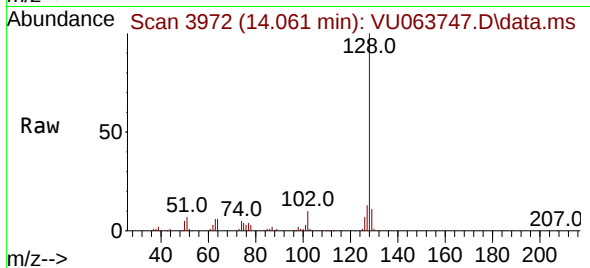
Tgt Ion:128 Resp: 165572

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 12.8 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.168 ug/L

RT: 14.303 min Scan# 4047

Delta R.T. 0.000 min

Lab File: VU063747.D

Acq: 19 Nov 2025 15:04

Tgt Ion:180 Resp: 98940

Ion Ratio Lower Upper

180 100

182 95.9 75.7 113.5

145 33.3 27.1 40.7

