

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022125\
 Data File : VU063271.D
 Acq On : 21 Feb 2025 12:50
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5006

Quant Time: Feb 24 11:16:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:14:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	179709	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	175292	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	73047	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	7847	0.69	ug/L	0.00
7) Chloroethane-d5	1.901	69	6308	0.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	2871	0.58	ug/L	0.00
20) 2-Butanone-d5	4.637	46	14304	4.27	ug/L	0.03
24) Chloroform-d	5.055	84	13353	0.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	6998	0.58	ug/L	0.00
32) Benzene-d6	5.721	84	25600	0.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	8352	0.54	ug/L	0.00
41) Toluene-d8	7.891	98	21143	0.50	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	2800	0.48	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	9294	3.36	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	6624	0.49	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	7049	0.55	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	8715	0.56	ug/L	99
3) Chloromethane	1.515	50	10768	0.62	ug/L	98
5) Vinyl chloride	1.599	62	9613	0.55	ug/L	100
6) Bromomethane	1.843	94	5201	0.57	ug/L	97
8) Chloroethane	1.923	64	6125	0.58	ug/L	95
9) Trichlorofluoromethane	2.129	101	10706	0.55	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	6637	0.55	ug/L	96
12) 1,1-Dichloroethene	2.570	96	6491	0.54	ug/L	94
13) Acetone	2.624	43	10801	5.07	ug/L	96
14) Carbon disulfide	2.782	76	21899	0.53	ug/L	96
15) Methyl Acetate	2.949	43	2523	0.44	ug/L	91
16) Methylene chloride	3.033	84	9083	0.64	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	15203	0.47	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	6748	0.53	ug/L	95
19) 1,1-Dichloroethane	3.856	63	13502	0.53	ug/L	97
21) 2-Butanone	4.714	43	14153	4.06	ug/L	93
22) cis-1,2-Dichloroethene	4.663	96	7119	0.50	ug/L	90
23) Bromochloromethane	4.962	128	3531	0.55	ug/L	93
25) Chloroform	5.078	83	13987	0.55	ug/L	96
27) 1,2-Dichloroethane	5.788	62	8724	0.53	ug/L #	94
29) 1,1,1-Trichloroethane	5.303	97	10790	0.52	ug/L	97
30) Cyclohexane	5.373	56	10145	0.47	ug/L	97
31) Carbon tetrachloride	5.512	117	9064	0.52	ug/L	99
33) Benzene	5.766	78	29218	0.50	ug/L	100
34) Trichloroethene	6.534	95	7443	0.51	ug/L	88
35) Methylcyclohexane	6.750	83	10157	0.47	ug/L	94
37) 1,2-Dichloropropane	6.782	63	7846	0.51	ug/L #	94
38) Bromodichloromethane	7.097	83	9125	0.49	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	10059	0.46	ug/L	90
40) 4-Methyl-2-pentanone	7.782	43	36533	4.08	ug/L	97
42) Toluene	7.962	91	27201	0.45	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	8143	0.44	ug/L	96

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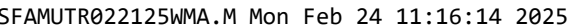
Quant Time: Feb 24 11:16:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:14:50 2025
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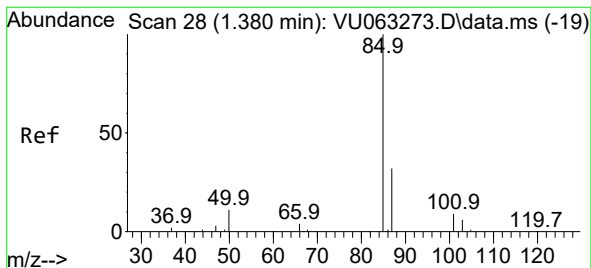
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.396	97	5550	0.49	ug/L	89
47) Tetrachloroethene	8.544	164	5382	0.52	ug/L	91
48) 2-Hexanone	8.679	43	22946	3.65	ug/L	98
49) Dibromochloromethane	8.801	129	5836	0.49	ug/L	97
50) 1,2-Dibromoethane	8.920	107	4972	0.48	ug/L	97
51) Chlorobenzene	9.441	112	18383	0.50	ug/L	97
52) Ethylbenzene	9.563	91	28749	0.46	ug/L	95
53) m,p-Xylene	9.688	106	10240	0.45	ug/L	95
54) o-Xylene	10.093	106	9838	0.44	ug/L	97
55) Styrene	10.113	104	14779	0.40	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	6849	0.47	ug/L #	98
59) Bromoform	10.280	173	3638	0.58	ug/L #	90
60) Isopropylbenzene	10.476	105	24887	0.48	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	4763	0.54	ug/L	95
62) 1,3,5-Trimethylbenzene	11.081	105	17745	0.43	ug/L	95
63) 1,2,4-Trimethylbenzene	11.460	105	16417	0.42	ug/L	95
64) 1,3-Dichlorobenzene	11.740	146	12992	0.55	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	13073	0.55	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	11848	0.53	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	717	0.41	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	8928	0.56	ug/L	95
70) 1,2,4-trichlorobenzene	13.842	180	6182	0.50	ug/L	96
71) Naphthalene	14.103	128	6089	0.31	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.328	180	5315	0.48	ug/L	95

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

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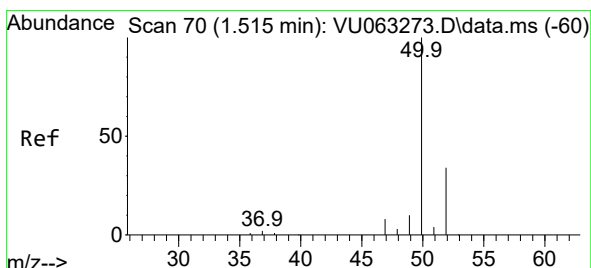
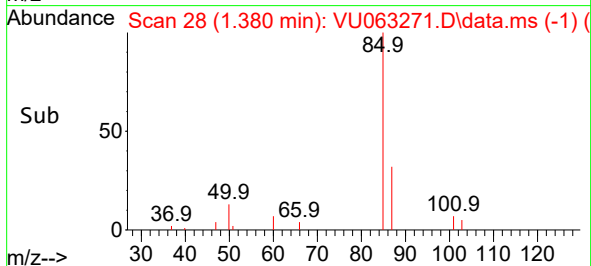
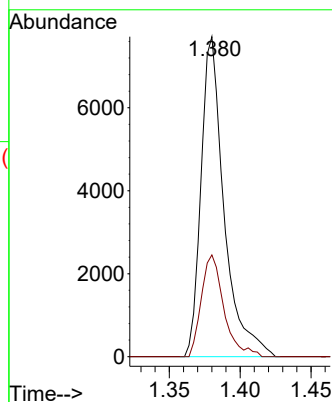
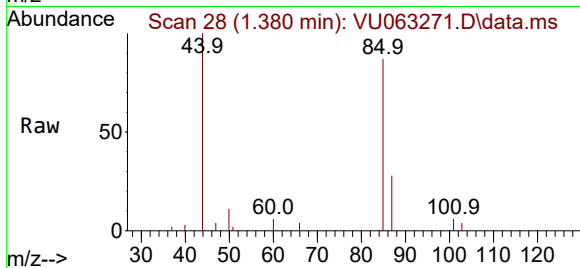




#2
 Dichlorodifluoromethane
 Concen: 0.56 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063271.D
 Acq: 21 Feb 2025 12:50

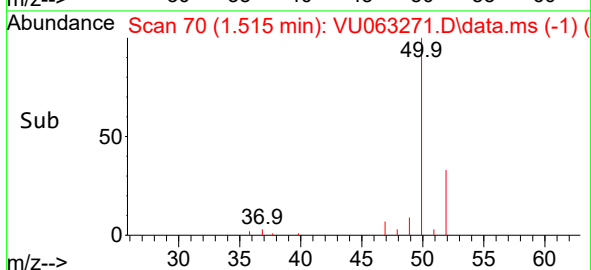
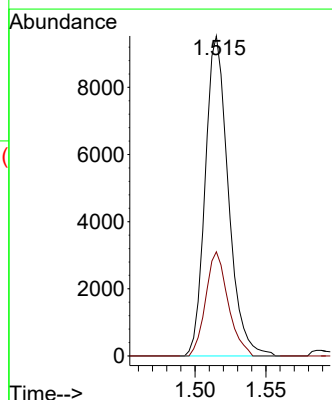
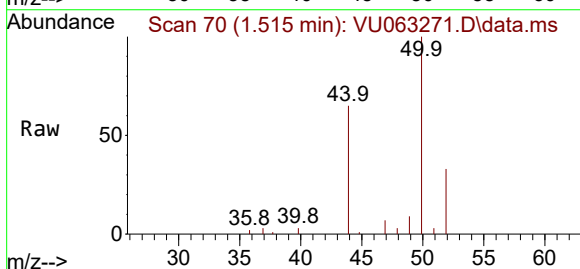
Instrument :
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 ClientSampleId :
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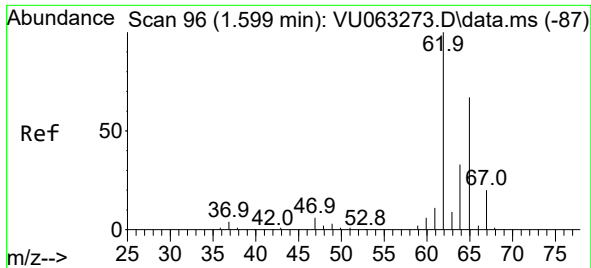
Tgt Ion: 85 Resp: 8715
 Ion Ratio Lower Upper
 85 100
 87 31.1 25.5 38.3



#3
 Chloromethane
 Concen: 0.62 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063271.D
 Acq: 21 Feb 2025 12:50

Tgt Ion: 50 Resp: 10768
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.5 43.7

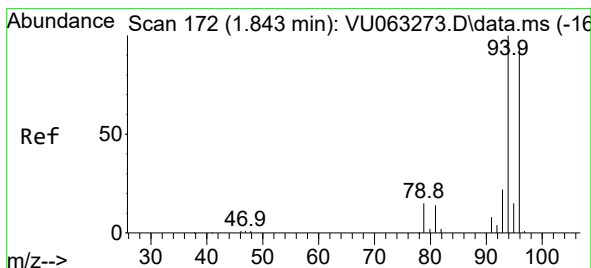
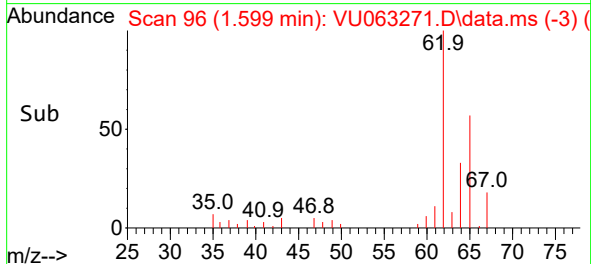
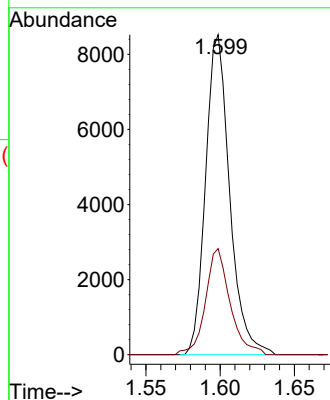
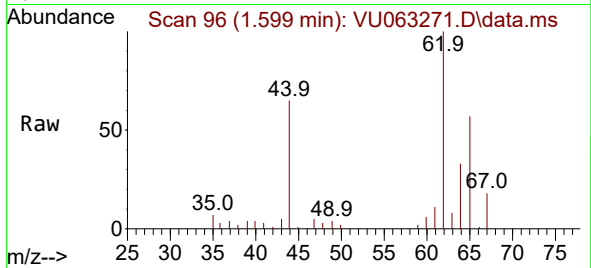




#5
 Vinyl chloride
 Concen: 0.55 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063271.D
 Acq: 21 Feb 2025 12:50

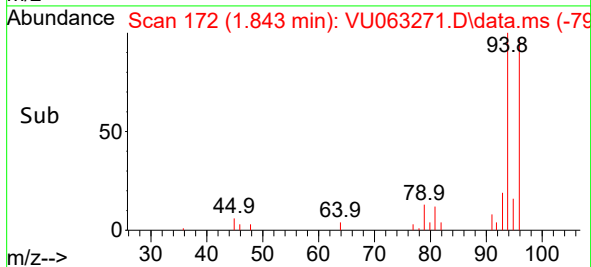
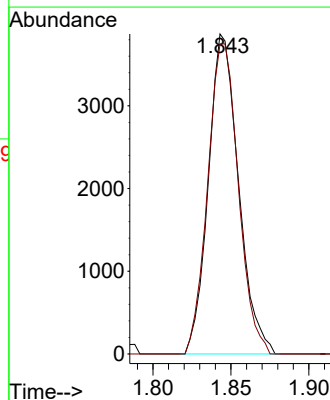
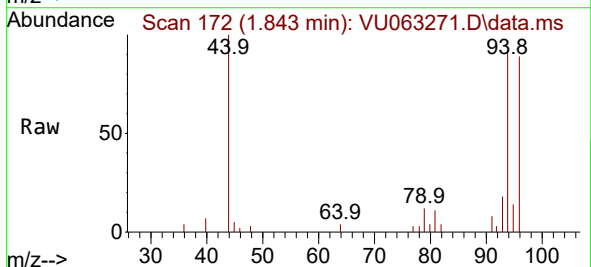
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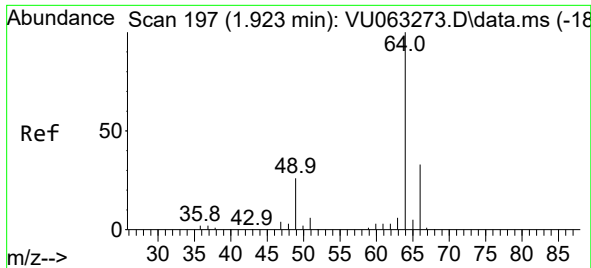
Tgt Ion: 62 Resp: 9613
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.3 43.3



#6
 Bromomethane
 Concen: 0.57 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VU063271.D
 Acq: 21 Feb 2025 12:50

Tgt Ion: 94 Resp: 5201
 Ion Ratio Lower Upper
 94 100
 96 96.9 65.6 121.8

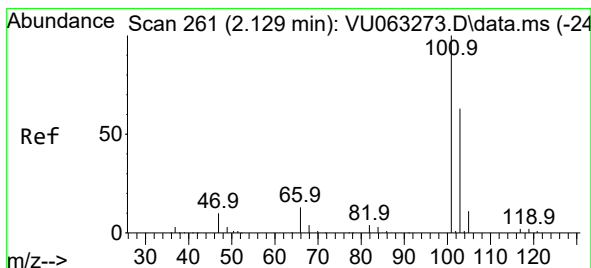
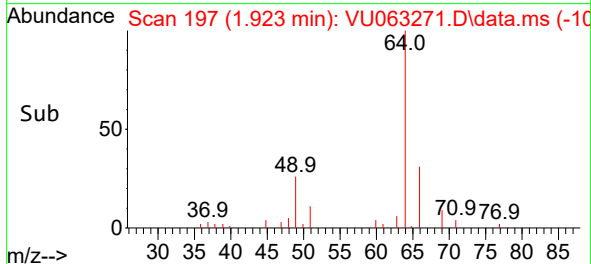
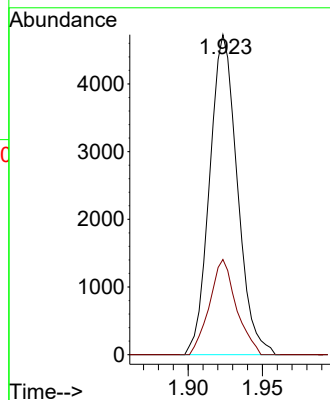
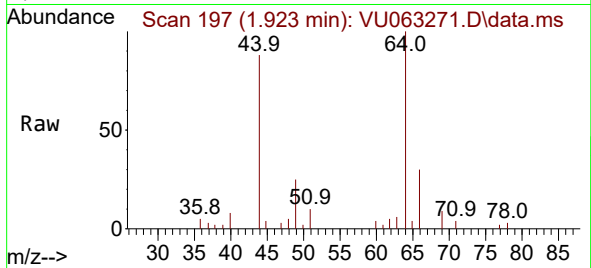




#8
Chloroethane
Concen: 0.58 ug/L
RT: 1.923 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

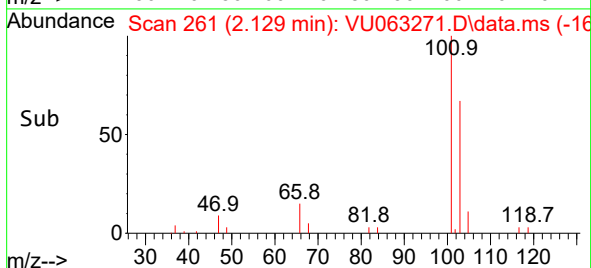
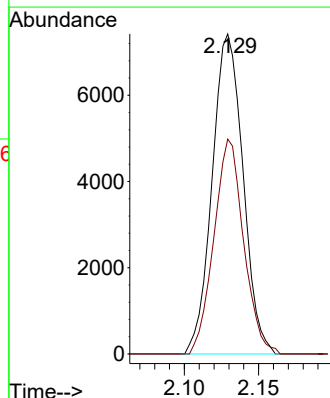
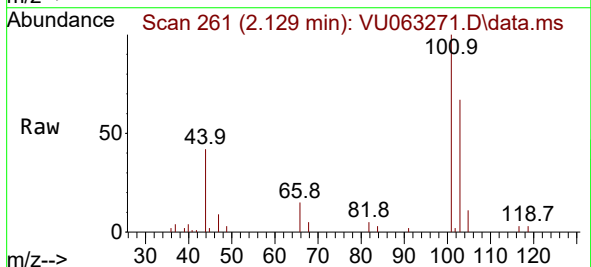
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ClientSampleId :
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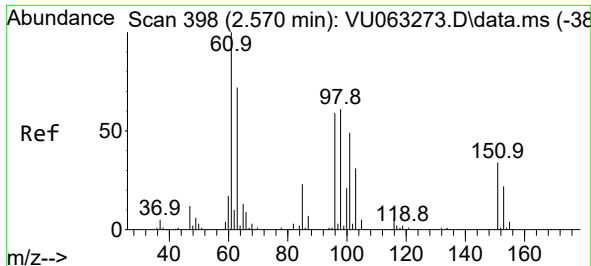
Tgt Ion: 64 Resp: 6125
Ion Ratio Lower Upper
64 100
66 29.7 22.7 42.3



#9
Trichlorofluoromethane
Concen: 0.55 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion:101 Resp: 10706
Ion Ratio Lower Upper
101 100
103 64.7 50.8 76.2

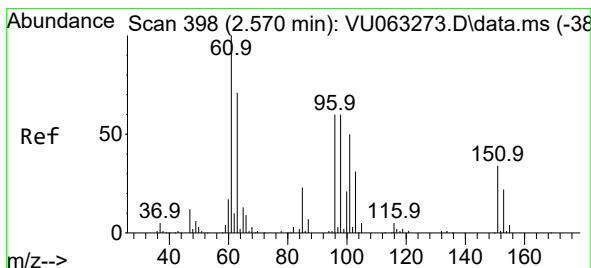
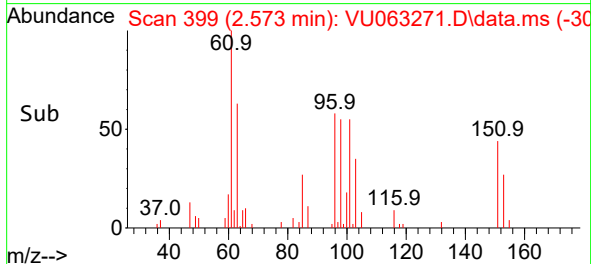
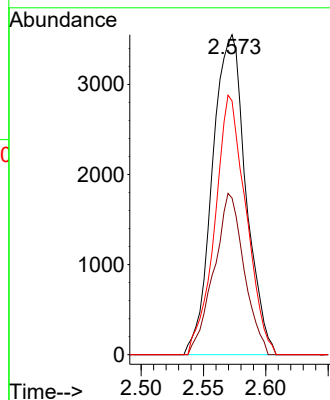
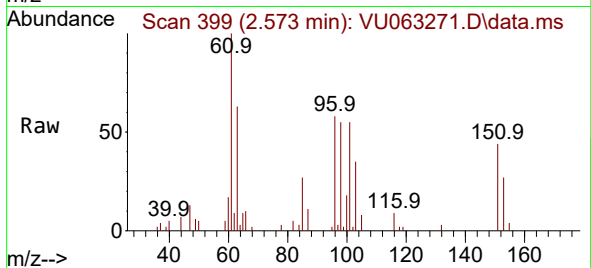




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.55 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.003 min
 Lab File: VU063271.D
 Acq: 21 Feb 2025 12:50

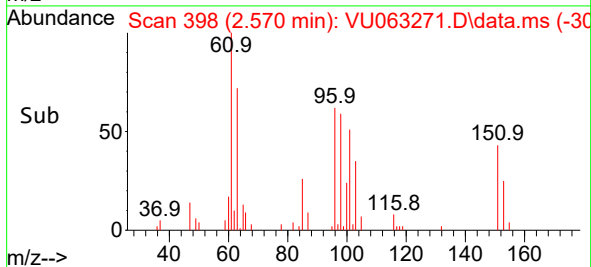
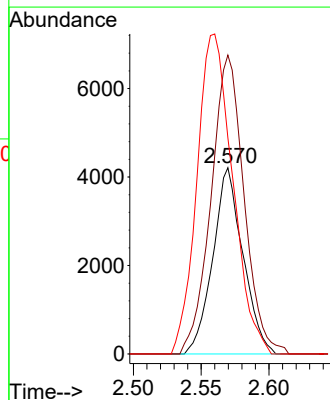
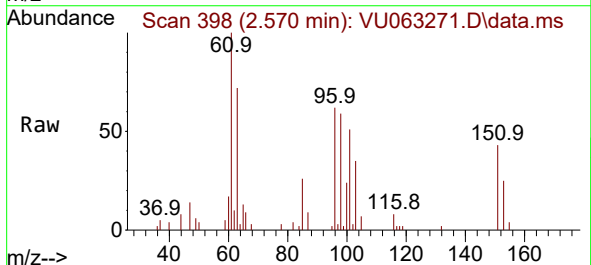
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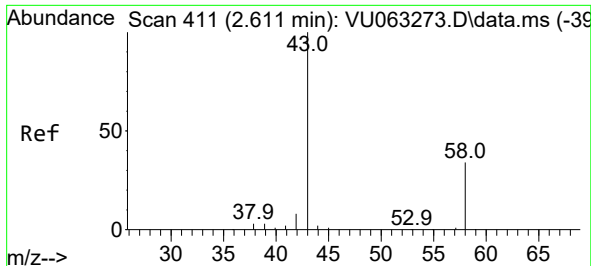
Tgt Ion:101 Resp: 6637
 Ion Ratio Lower Upper
 101 100
 85 45.4 35.8 53.6
 151 75.8 56.4 84.6



#12
 1,1-Dichloroethene
 Concen: 0.54 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VU063271.D
 Acq: 21 Feb 2025 12:50

Tgt Ion: 96 Resp: 6491
 Ion Ratio Lower Upper
 96 100
 61 160.5 117.8 218.8
 63 116.1 86.0 159.6





#13

Acetone

Concen: 5.07 ug/L

RT: 2.624 min Scan# 411

Delta R.T. 0.013 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

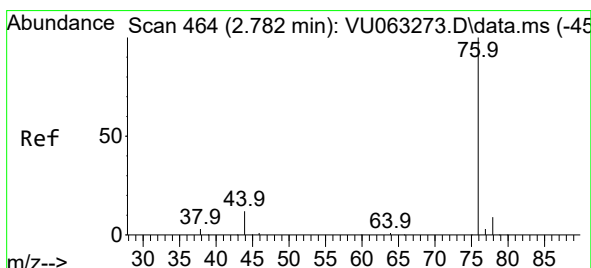
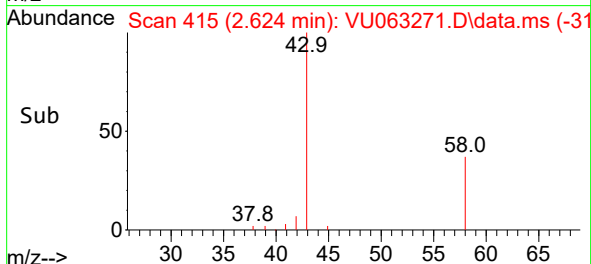
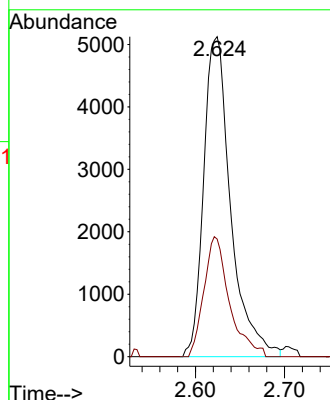
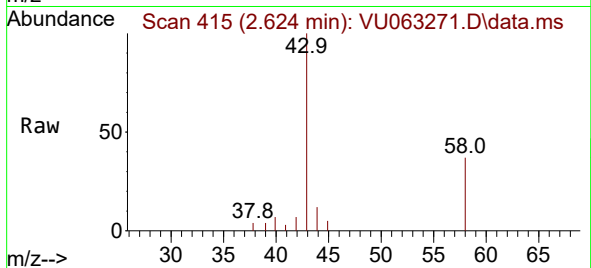
VSTD0.5006

Tgt Ion: 43 Resp: 10801

Ion Ratio Lower Upper

43 100

58 35.4 0.0 66.8



#14

Carbon disulfide

Concen: 0.53 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063271.D

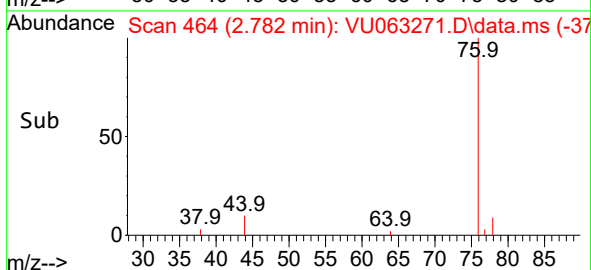
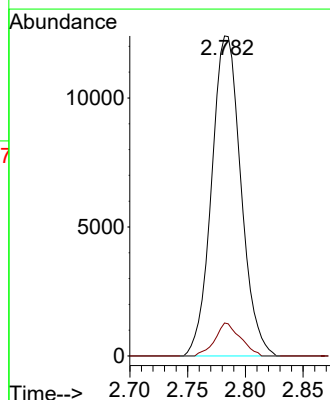
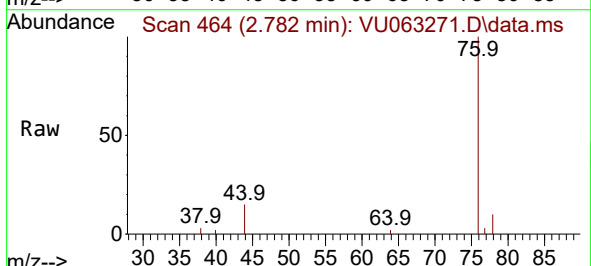
Acq: 21 Feb 2025 12:50

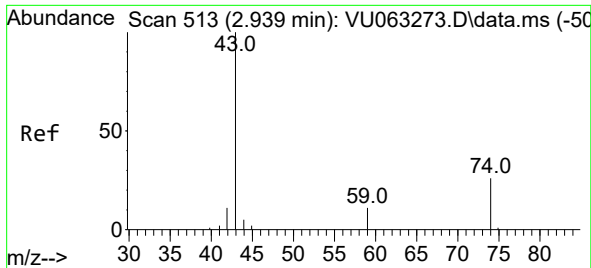
Tgt Ion: 76 Resp: 21899

Ion Ratio Lower Upper

76 100

78 10.3 7.2 10.8

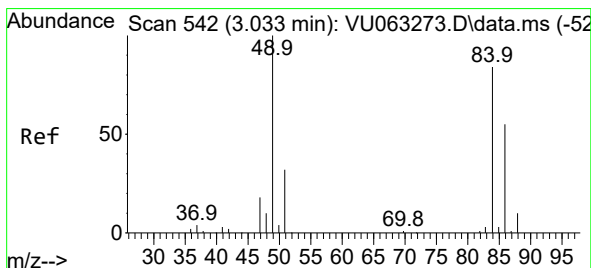
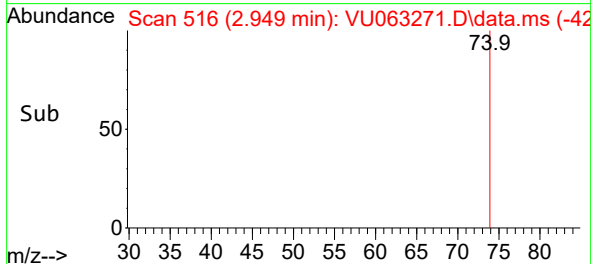
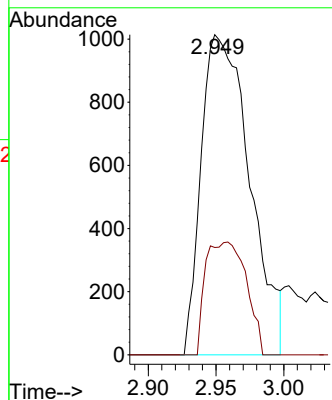
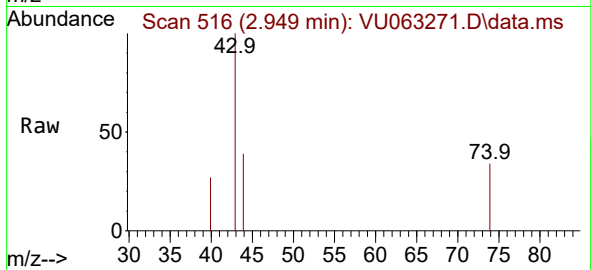




#15
Methyl Acetate
Concen: 0.44 ug/L
RT: 2.949 min Scan# 513
Delta R.T. 0.010 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

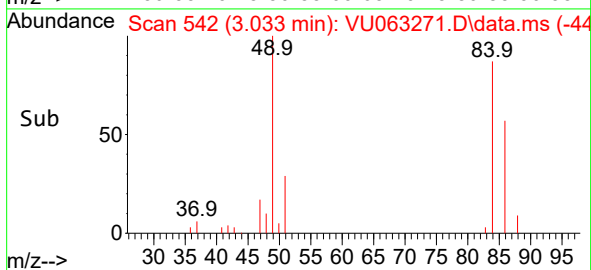
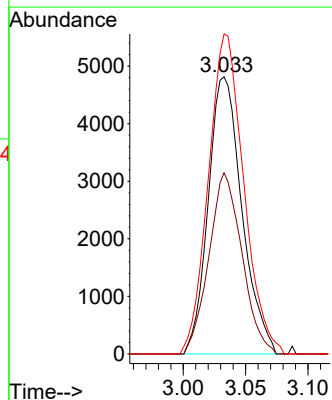
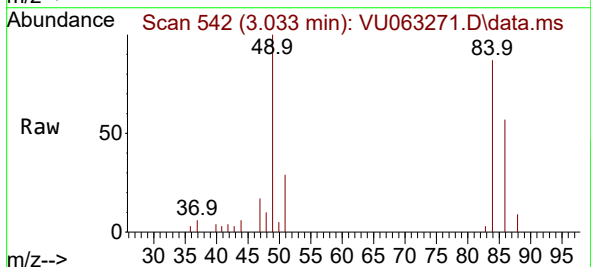
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

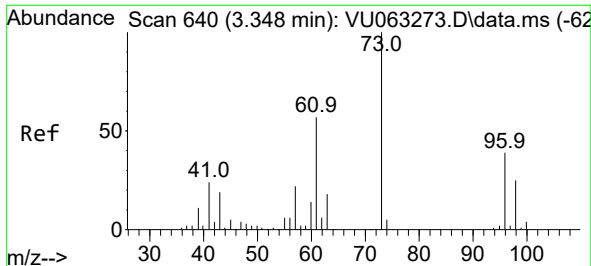
Tgt Ion: 43 Resp: 2523
Ion Ratio Lower Upper
43 100
74 29.5 20.2 30.2



#16
Methylene chloride
Concen: 0.64 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion: 84 Resp: 9083
Ion Ratio Lower Upper
84 100
86 65.4 45.3 84.1
49 115.5 83.4 154.8

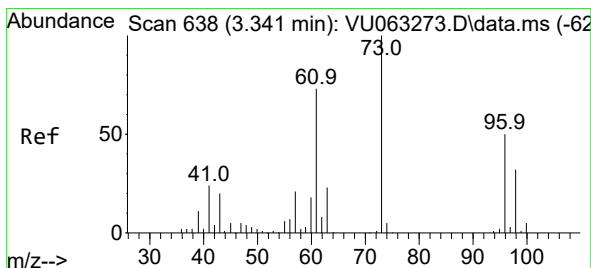
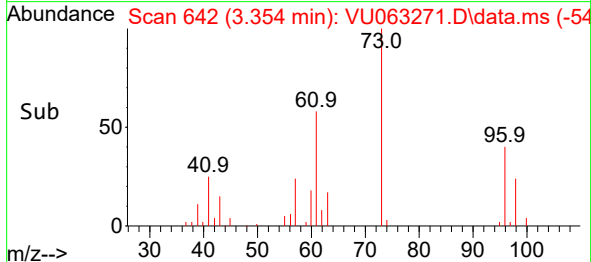
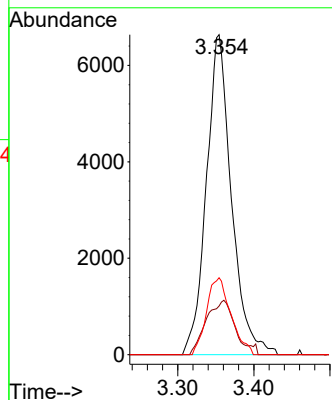
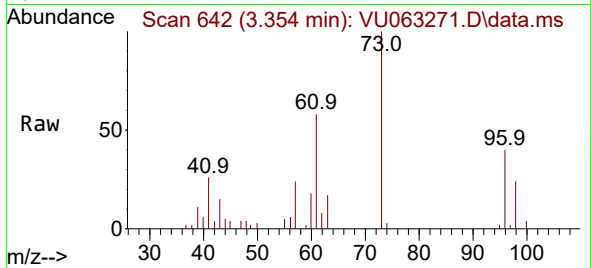




#17
Methyl tert-butyl Ether
Concen: 0.47 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

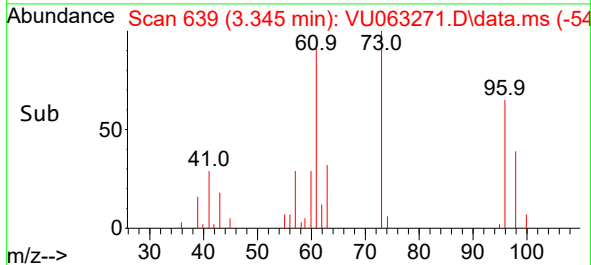
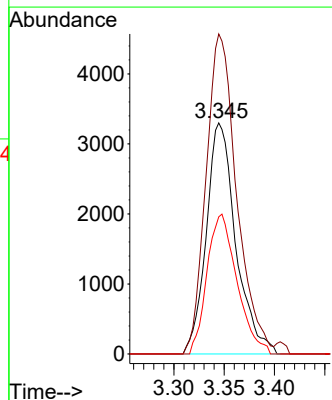
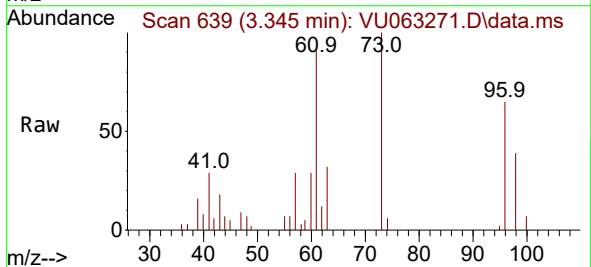
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

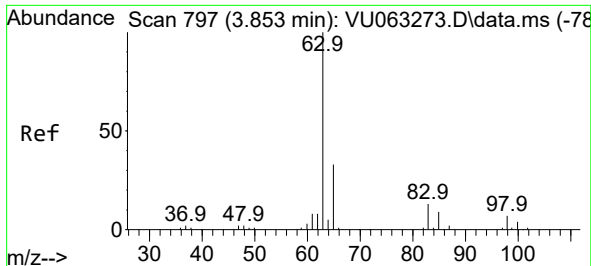
Tgt Ion: 73	Resp:	15203
Ion	Ratio	Lower Upper
73	100	
43	18.9	15.7 23.5
57	23.4	17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.53 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion: 96	Resp:	6748
Ion	Ratio	Lower Upper
96	100	
61	138.5	100.7 186.9
98	59.3	44.4 82.5





#19

1,1-Dichloroethane

Concen: 0.53 ug/L

RT: 3.856 min Scan# 797

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5006

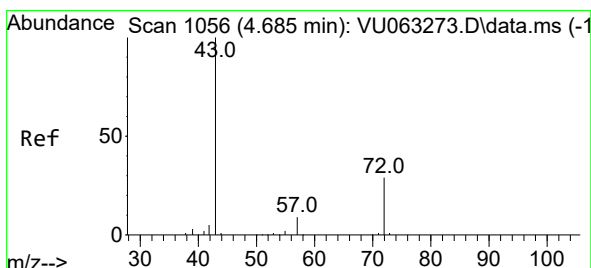
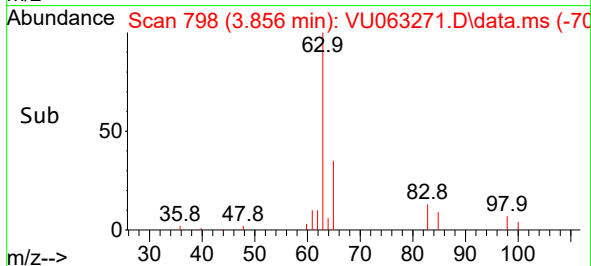
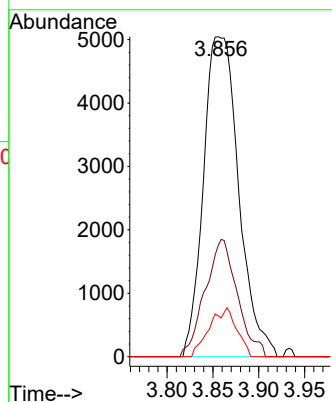
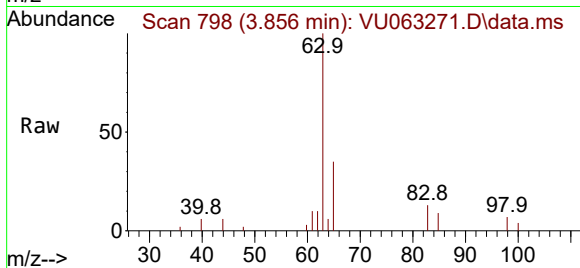
Tgt Ion: 63 Resp: 13502

Ion Ratio Lower Upper

63 100

65 34.8 22.8 42.4

83 12.8 9.3 17.3



#21

2-Butanone

Concen: 4.06 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.029 min

Lab File: VU063271.D

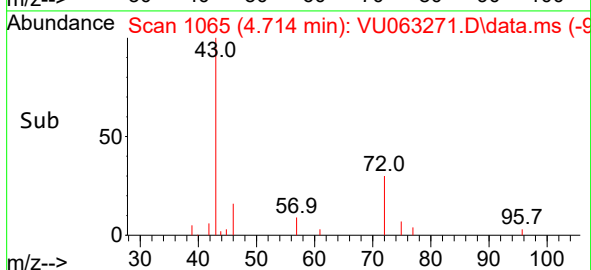
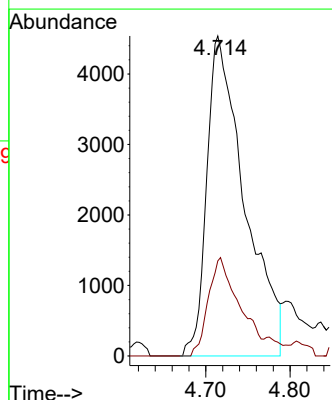
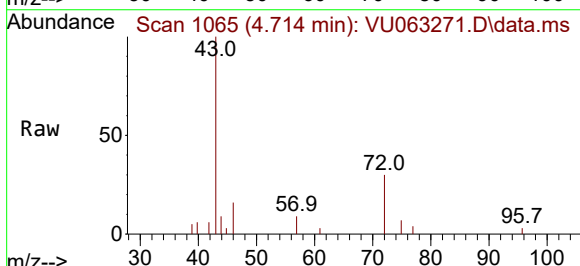
Acq: 21 Feb 2025 12:50

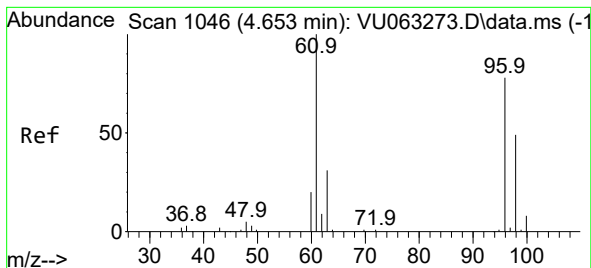
Tgt Ion: 43 Resp: 14153

Ion Ratio Lower Upper

43 100

72 25.4 14.5 43.5





#22

cis-1,2-Dichloroethene

Concen: 0.50 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.010 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5006

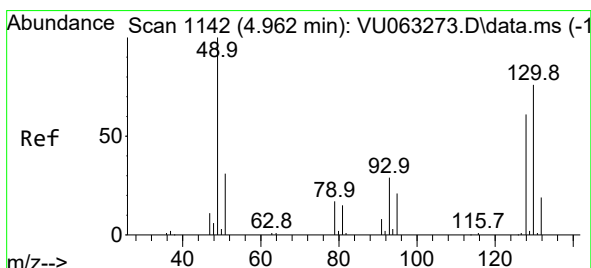
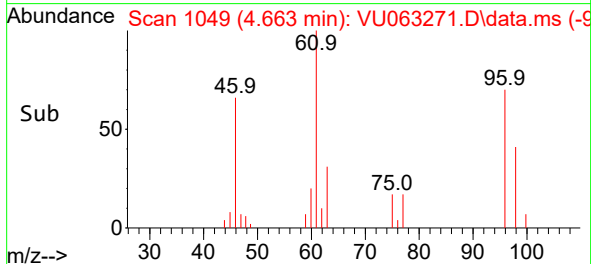
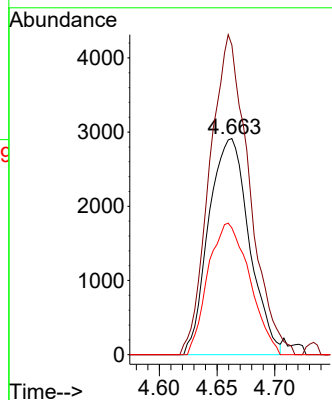
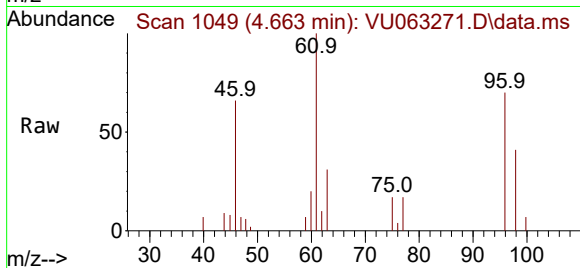
Tgt Ion: 96 Resp: 7119

Ion Ratio Lower Upper

96 100

61 143.2 89.9 167.0

98 58.6 43.8 81.4



#23

Bromochloromethane

Concen: 0.55 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Tgt Ion: 128 Resp: 3531

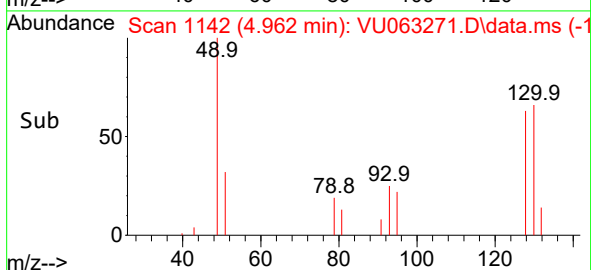
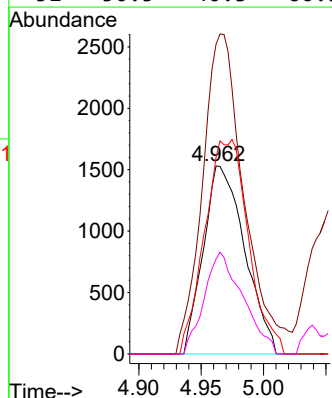
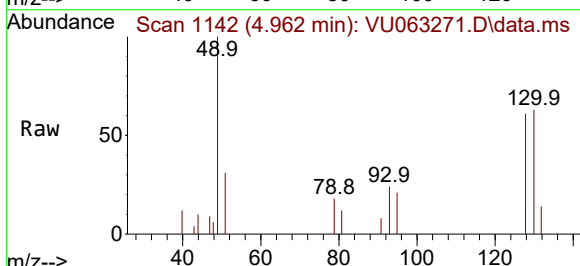
Ion Ratio Lower Upper

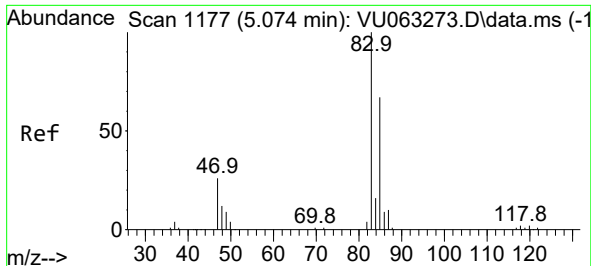
128 100

49 164.8 115.1 213.8

130 104.6 87.6 162.8

51 50.5 40.3 60.5





#25

Chloroform

Concen: 0.55 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

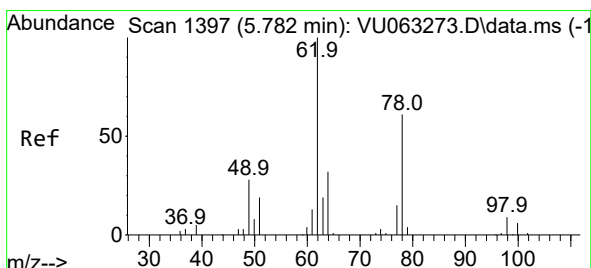
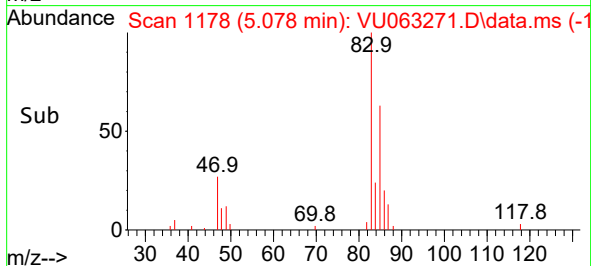
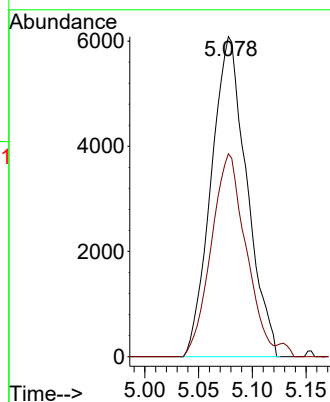
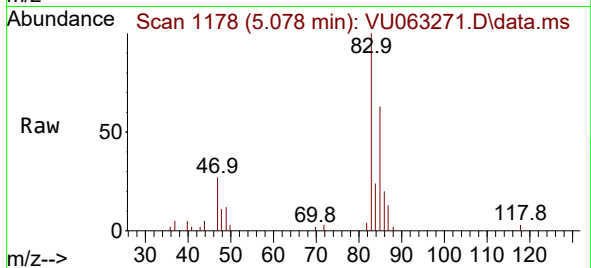
VSTD0.5006

Tgt Ion: 83 Resp: 13987

Ion Ratio Lower Upper

83 100

85 63.4 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.53 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VU063271.D

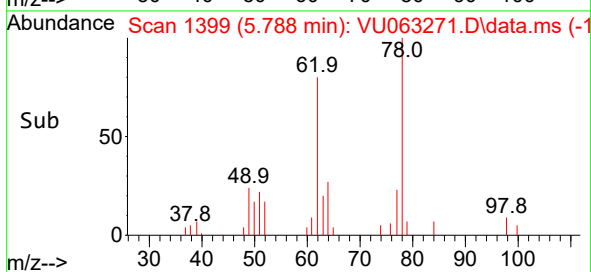
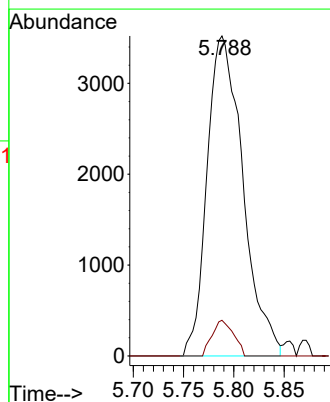
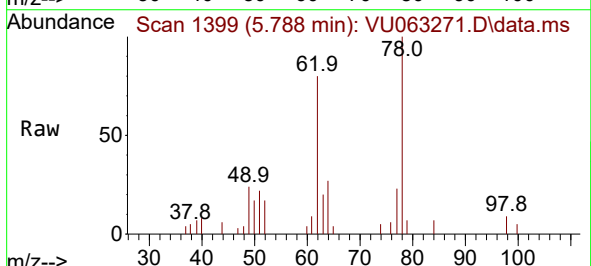
Acq: 21 Feb 2025 12:50

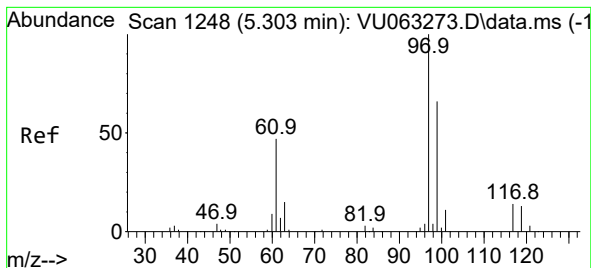
Tgt Ion: 62 Resp: 8724

Ion Ratio Lower Upper

62 100

98 11.1 7.2 10.8#





#29

1,1,1-Trichloroethane

Concen: 0.52 ug/L

RT: 5.303 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5006

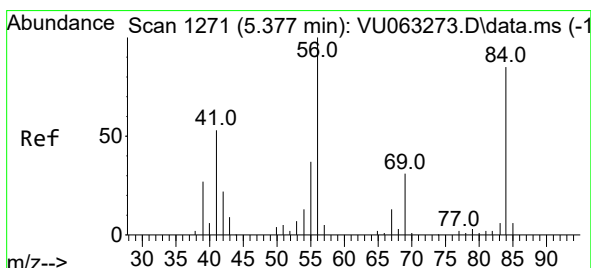
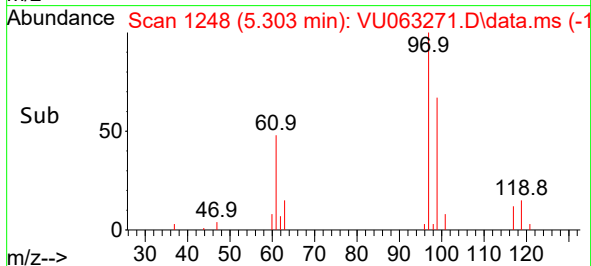
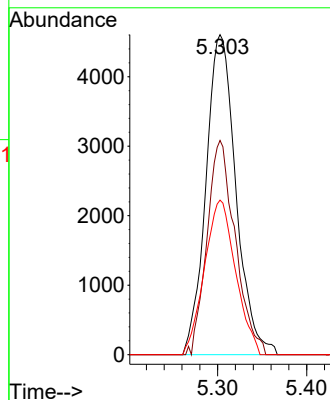
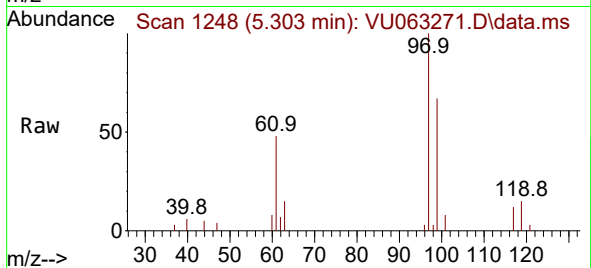
Tgt Ion: 97 Resp: 10790

Ion Ratio Lower Upper

97 100

99 63.0 52.0 78.0

61 50.0 38.0 57.0



#30

Cyclohexane

Concen: 0.47 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

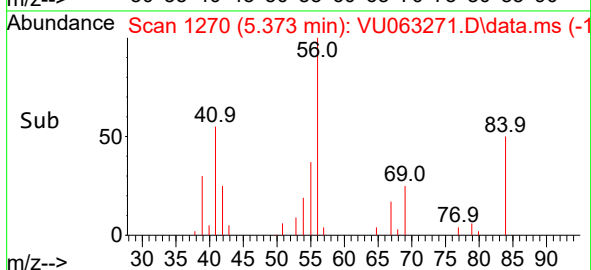
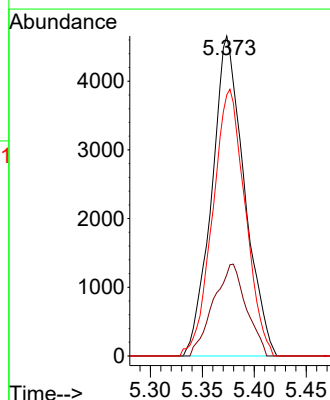
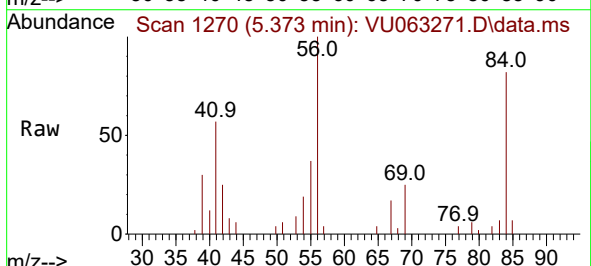
Tgt Ion: 56 Resp: 10145

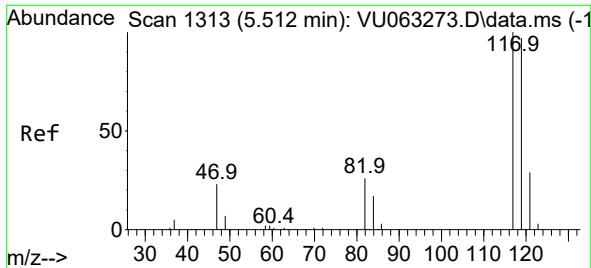
Ion Ratio Lower Upper

56 100

69 29.0 25.1 37.7

84 83.2 68.1 102.1

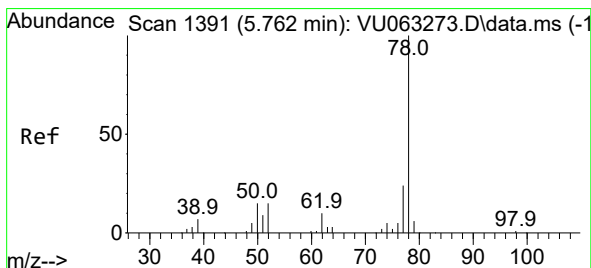
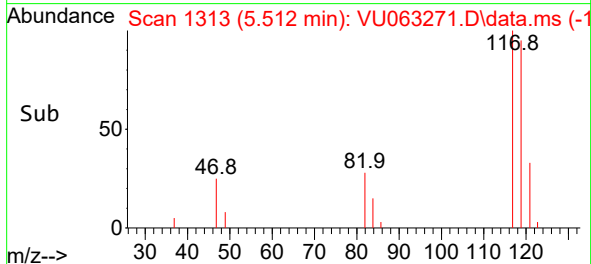
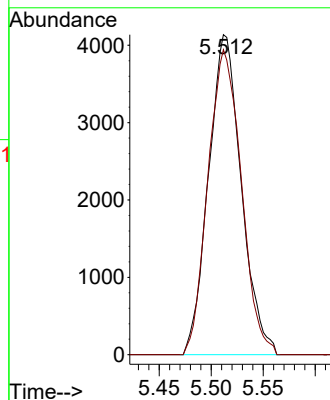
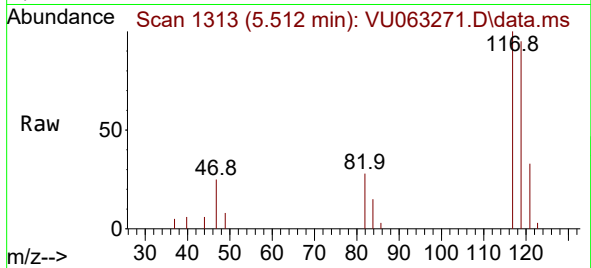




#31
Carbon tetrachloride
Concen: 0.52 ug/L
RT: 5.512 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

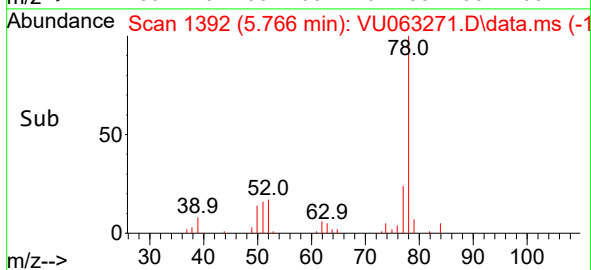
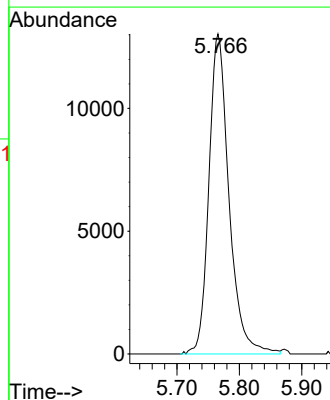
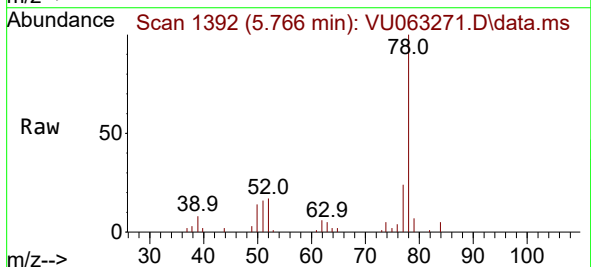
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

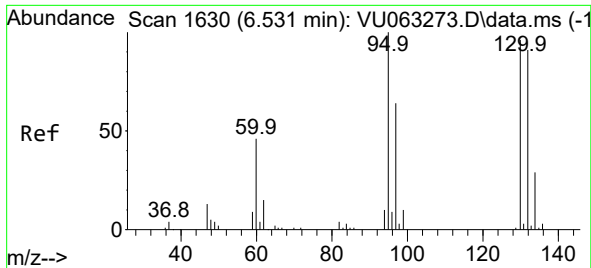
Tgt Ion:117 Resp: 9064
Ion Ratio Lower Upper
117 100
119 97.1 76.7 115.1



#33
Benzene
Concen: 0.50 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion: 78 Resp: 29218



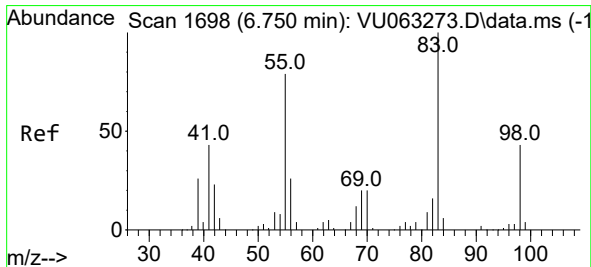
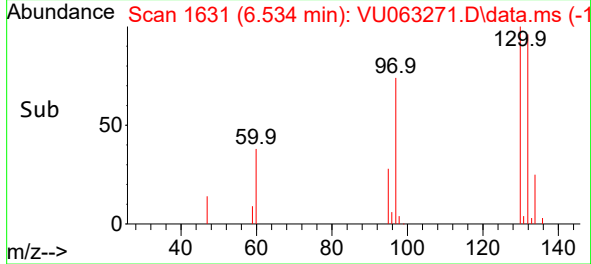
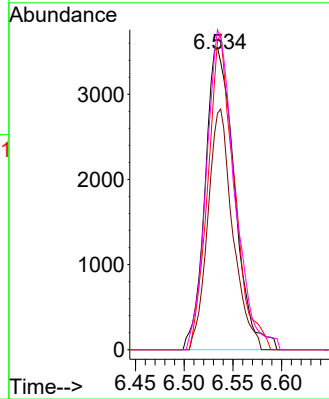
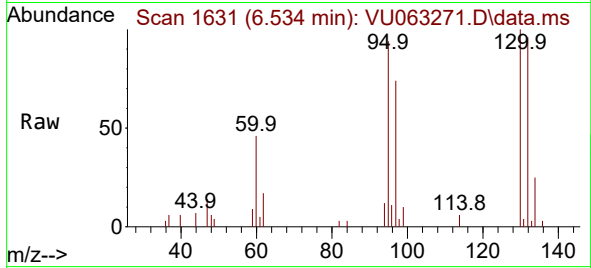


#34
Trichloroethene
Concen: 0.51 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

Tgt Ion: 95 Resp: 7443

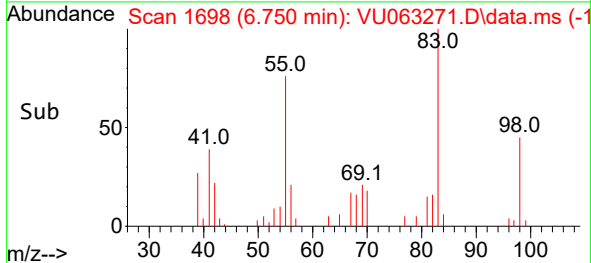
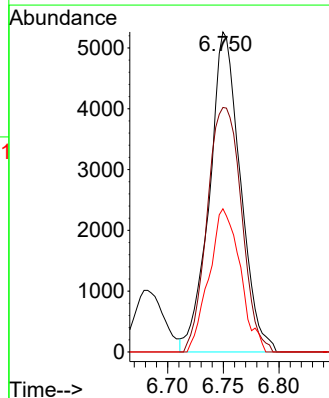
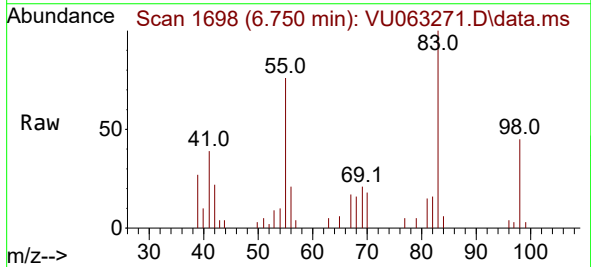
Ion	Ratio	Lower	Upper
95	100		
97	78.2	45.0	83.6
132	102.2	64.0	119.0
130	105.9	67.5	125.3

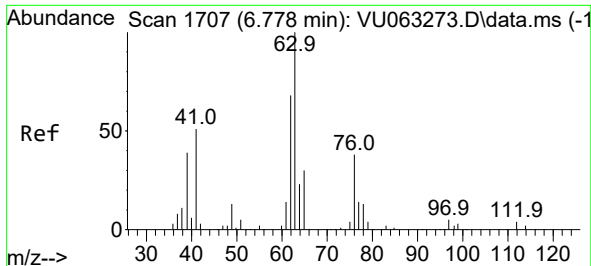


#35
Methylcyclohexane
Concen: 0.47 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion: 83 Resp: 10157

Ion	Ratio	Lower	Upper
83	100		
55	84.7	62.7	94.1
98	45.1	34.3	51.5





#37

1,2-Dichloropropane

Concen: 0.51 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

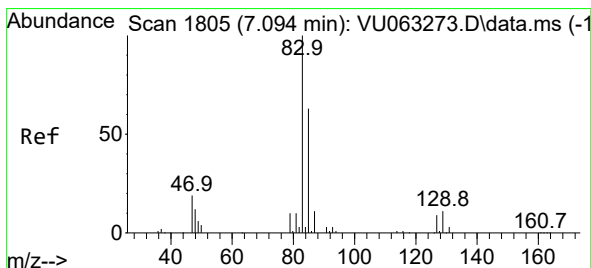
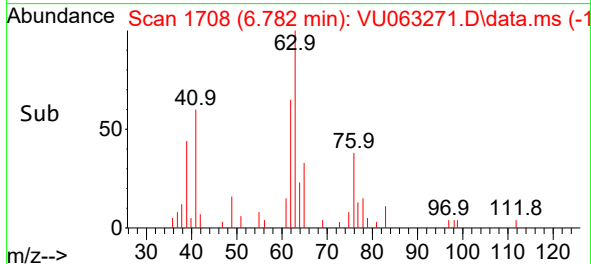
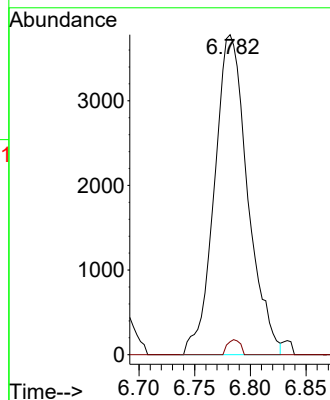
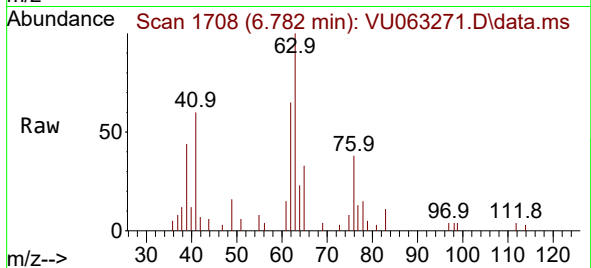
VSTD0.5006

Tgt Ion: 63 Resp: 7846

Ion Ratio Lower Upper

63 100

112 1.8 3.0 4.4#



#38

Bromodichloromethane

Concen: 0.49 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

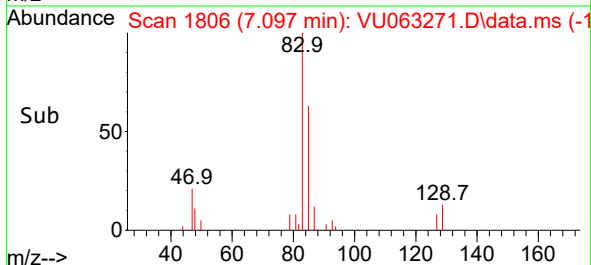
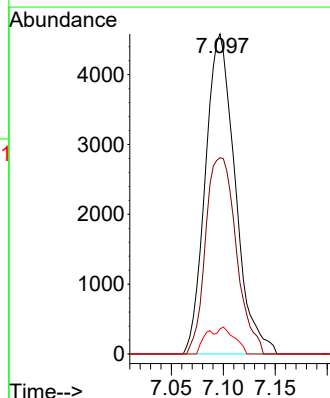
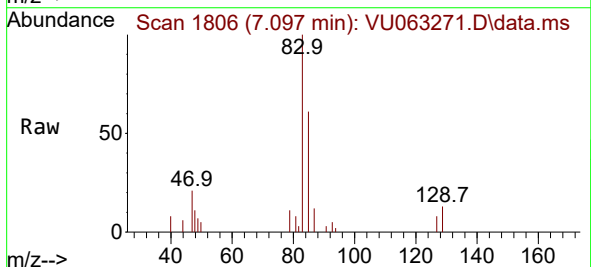
Tgt Ion: 83 Resp: 9125

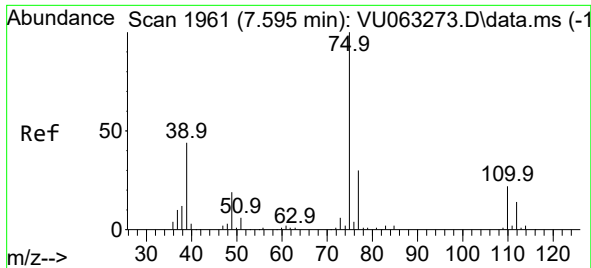
Ion Ratio Lower Upper

83 100

85 61.4 44.3 82.3

127 7.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 0.46 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.010 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

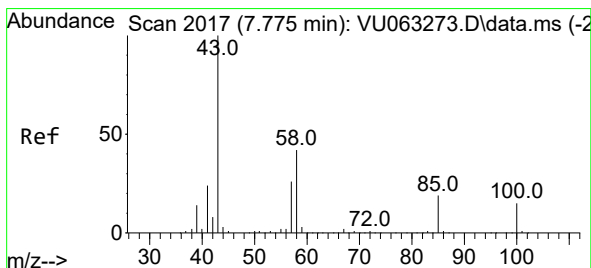
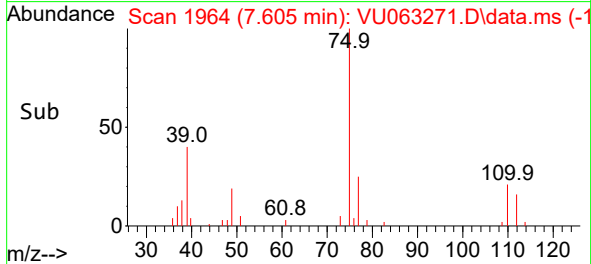
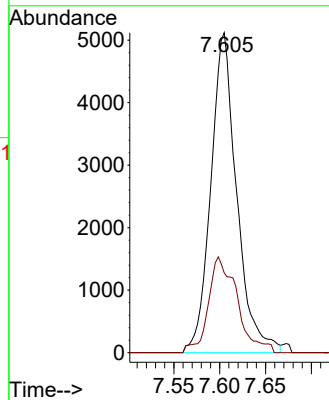
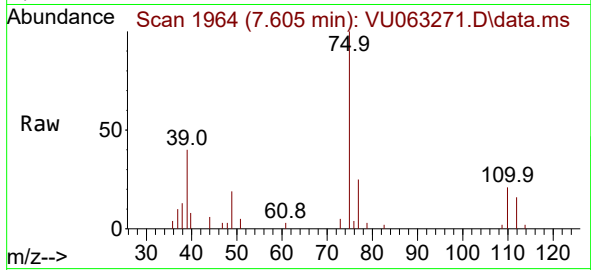
VSTD0.5006

Tgt Ion: 75 Resp: 10059

Ion Ratio Lower Upper

75 100

77 24.9 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 4.08 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.006 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

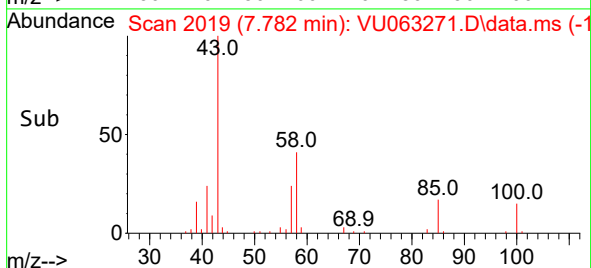
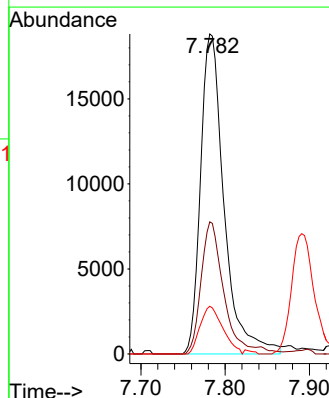
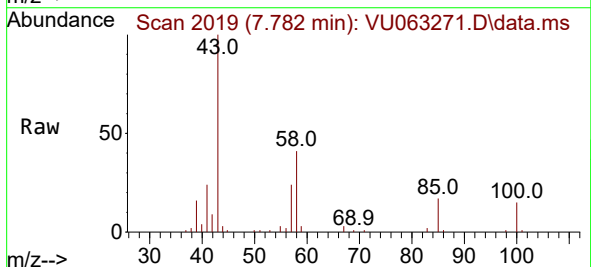
Tgt Ion: 43 Resp: 36533

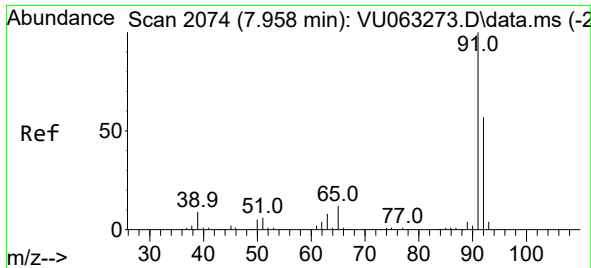
Ion Ratio Lower Upper

43 100

58 39.0 33.1 49.7

100 14.3 11.9 17.9





#42

Toluene

Concen: 0.45 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

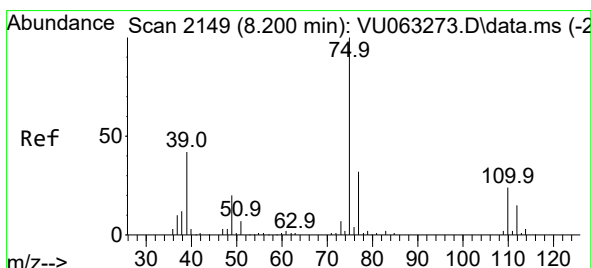
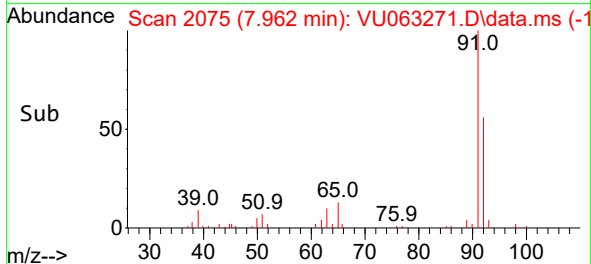
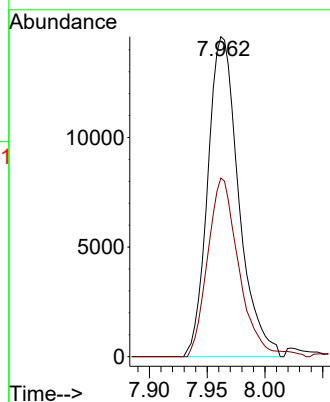
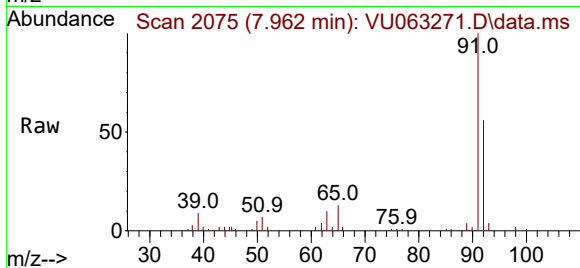
VSTD0.5006

Tgt Ion: 91 Resp: 27201

Ion Ratio Lower Upper

91 100

92 55.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 0.44 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU063271.D

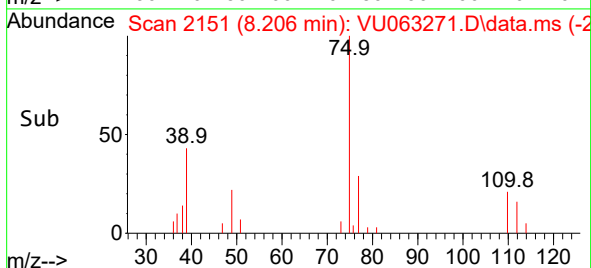
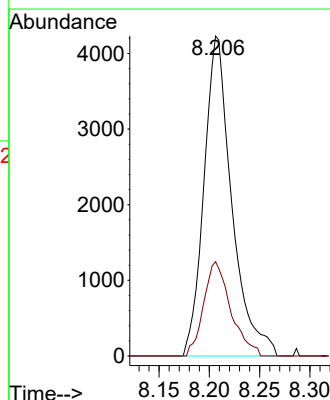
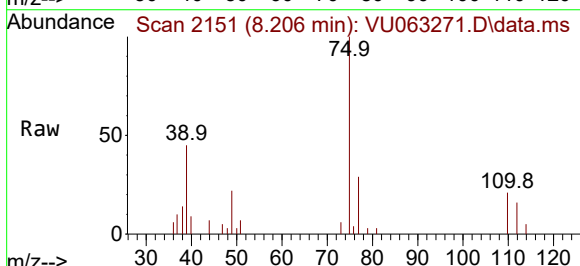
Acq: 21 Feb 2025 12:50

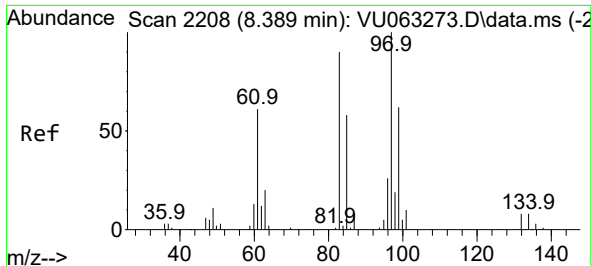
Tgt Ion: 75 Resp: 8143

Ion Ratio Lower Upper

75 100

77 29.5 22.1 41.1

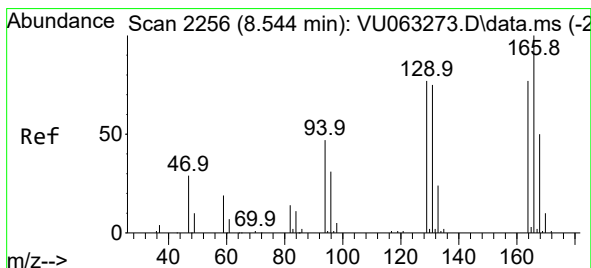
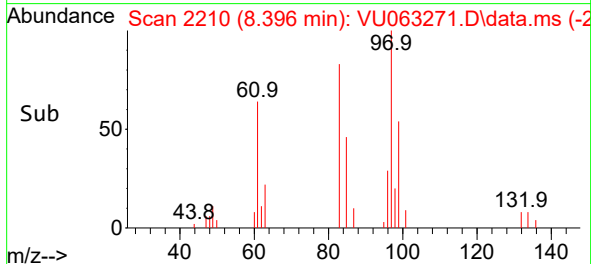
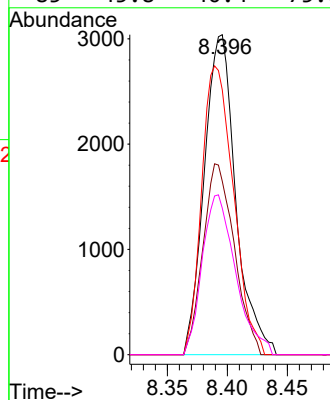
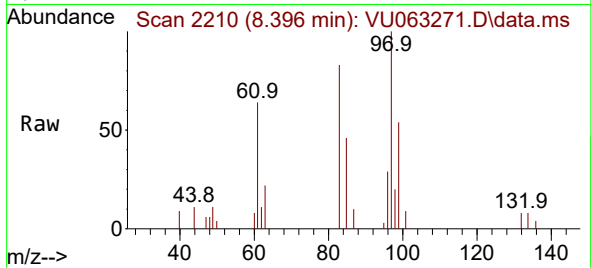




#45
1,1,2-Trichloroethane
Concen: 0.49 ug/L
RT: 8.396 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

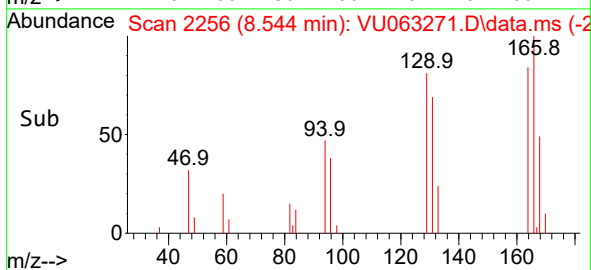
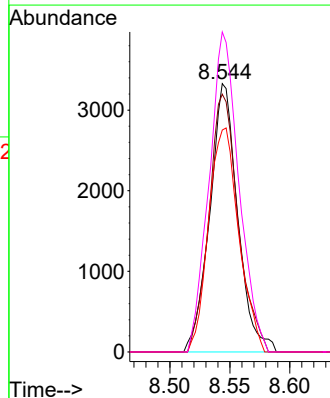
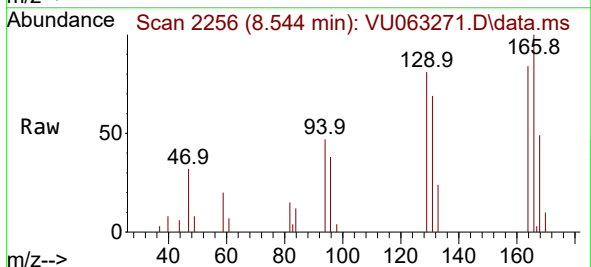
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

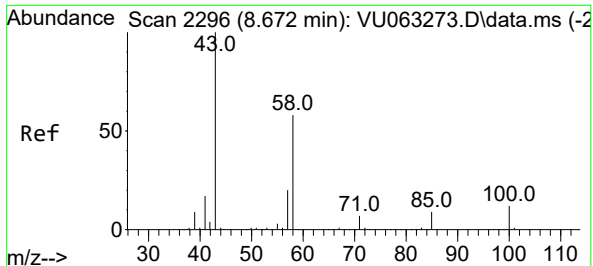
Tgt Ion:	97	Resp:	5550
Ion	Ratio	Lower	Upper
97	100		
99	54.2	43.2	80.2
83	82.7	63.0	117.0
85	45.8	40.4	75.0



#47
Tetrachloroethene
Concen: 0.52 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion:	164	Resp:	5382
Ion	Ratio	Lower	Upper
164	100		
129	96.1	69.6	129.2
131	82.7	67.9	126.1
166	119.3	90.8	168.6

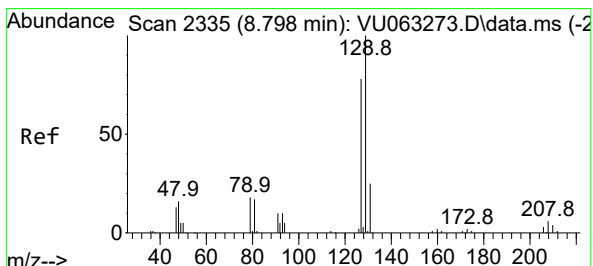
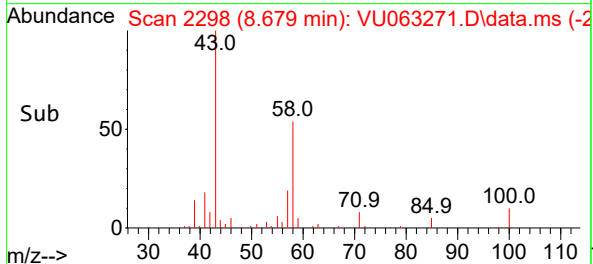
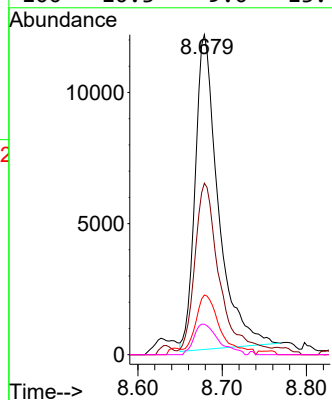
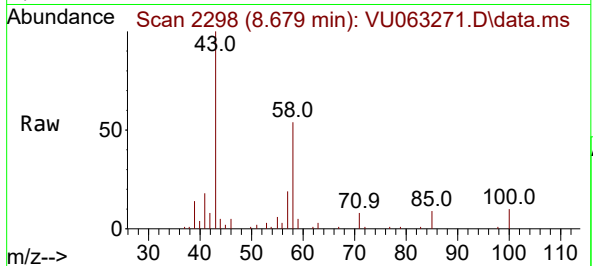




#48
2-Hexanone
Concen: 3.65 ug/L
RT: 8.679 min Scan# 2296
Delta R.T. 0.006 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

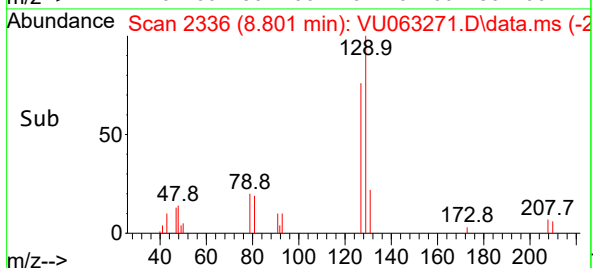
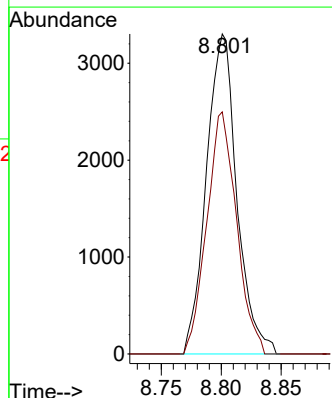
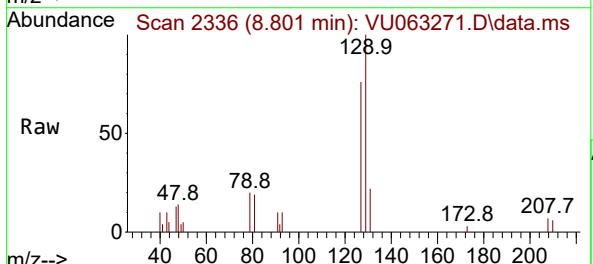
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

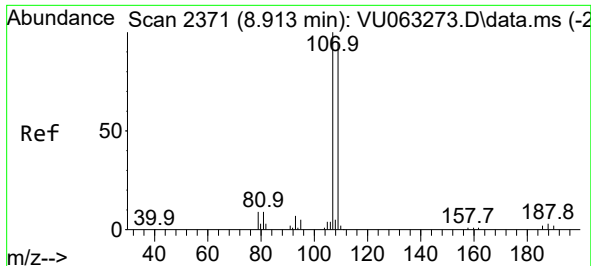
Tgt Ion:	43	Resp:	22946
Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.8	68.8
57	19.9	15.5	23.3
100	10.3	9.0	13.4



#49
Dibromochloromethane
Concen: 0.49 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion:	129	Resp:	5836
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.9	102.1





#50

1,2-Dibromoethane

Concen: 0.48 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5006

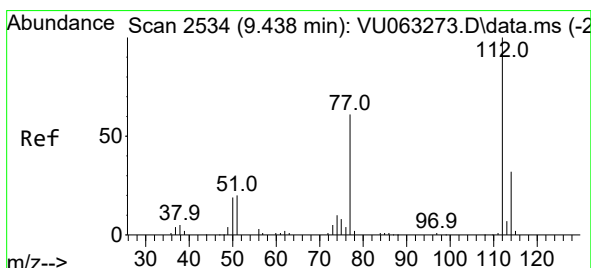
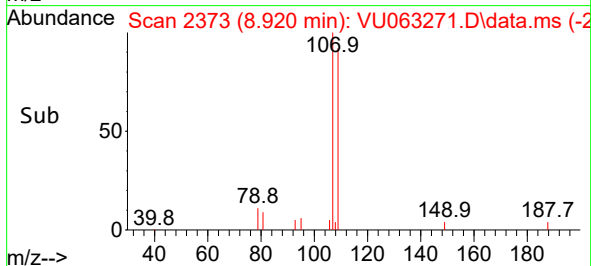
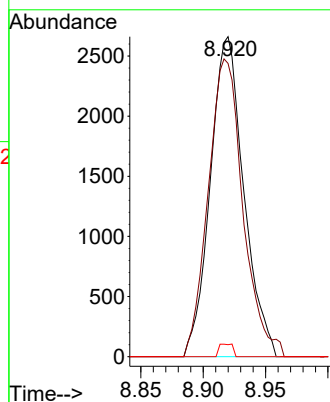
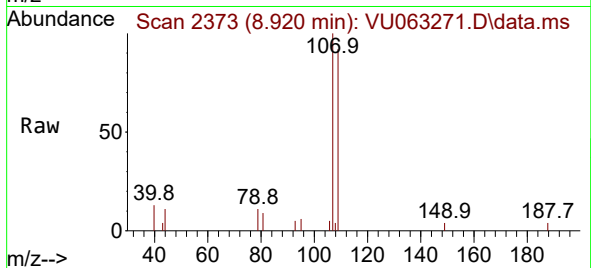
Tgt Ion:107 Resp: 4972

Ion Ratio Lower Upper

107 100

109 91.7 66.6 123.6

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 0.50 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

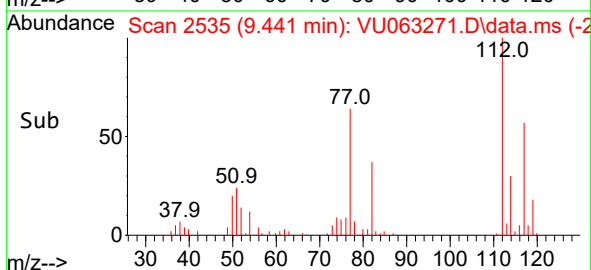
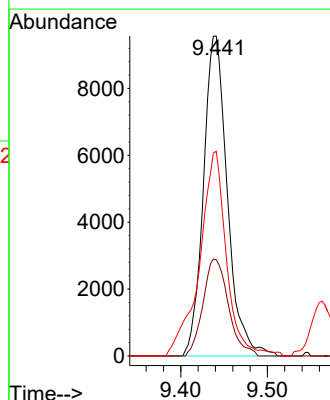
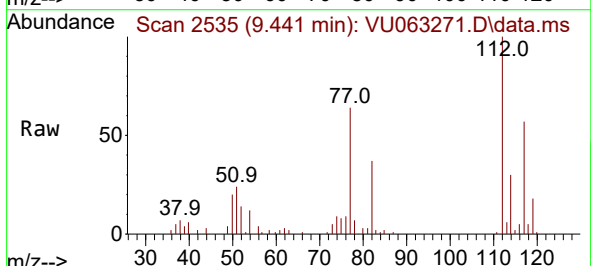
Tgt Ion:112 Resp: 18383

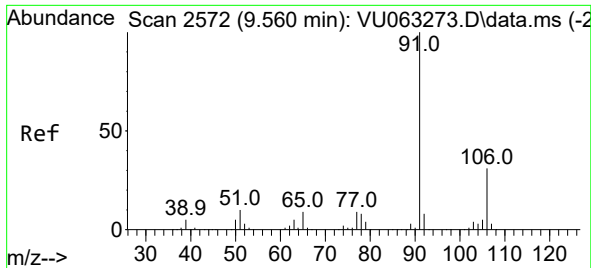
Ion Ratio Lower Upper

112 100

114 30.0 22.2 41.2

77 64.0 49.2 73.8

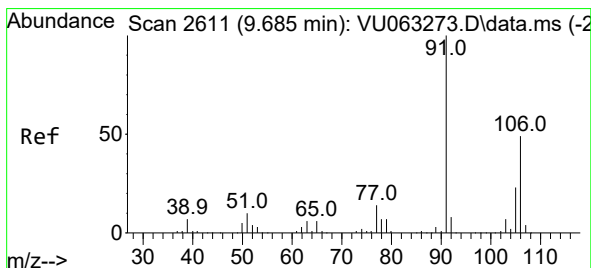
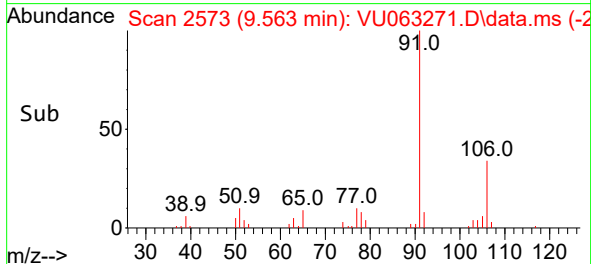
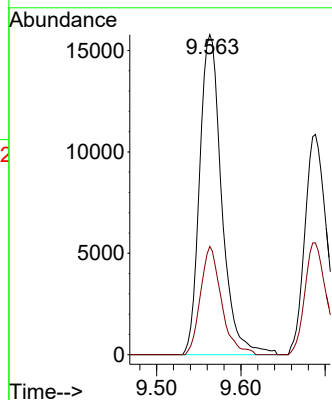
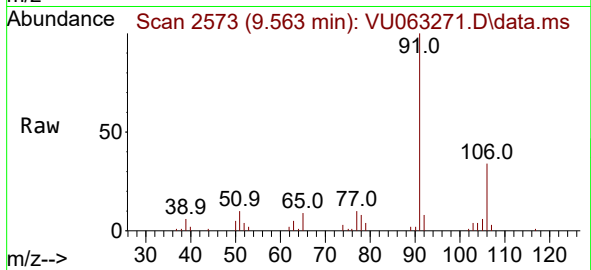




#52
Ethylbenzene
Concen: 0.46 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

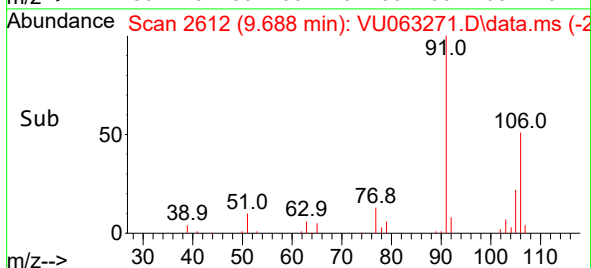
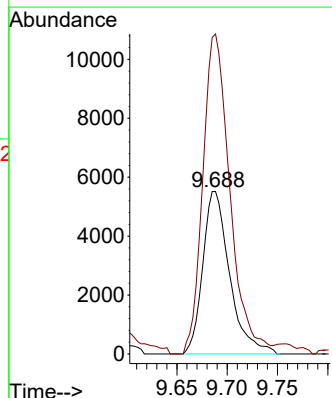
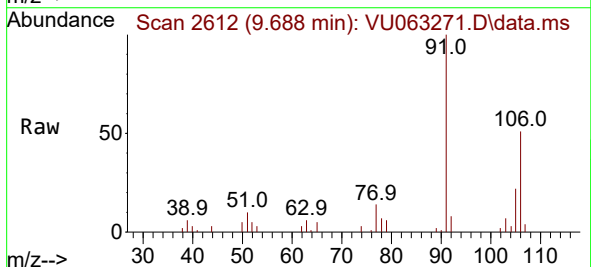
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

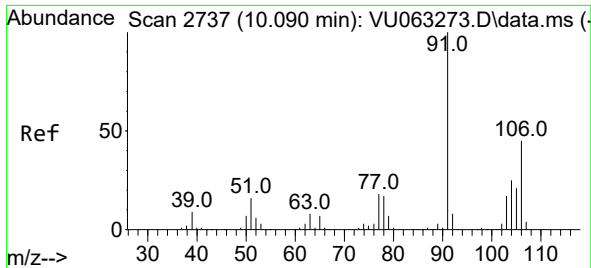
Tgt Ion: 91 Resp: 28749
Ion Ratio Lower Upper
91 100
106 33.8 21.9 40.7



#53
m,p-Xylene
Concen: 0.45 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion: 106 Resp: 10240
Ion Ratio Lower Upper
106 100
91 197.0 143.3 266.1

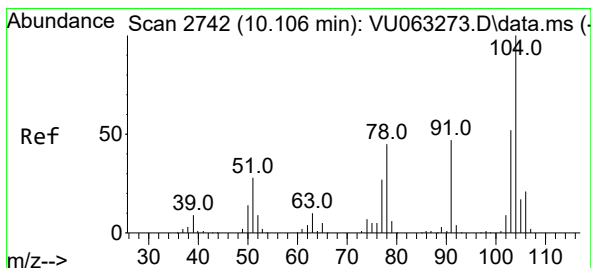
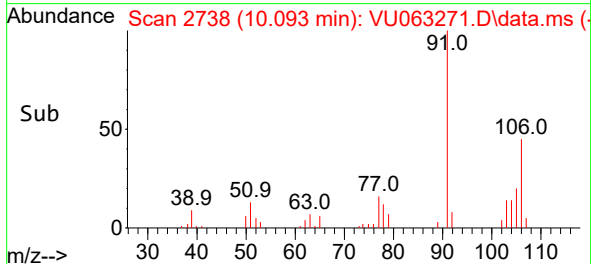
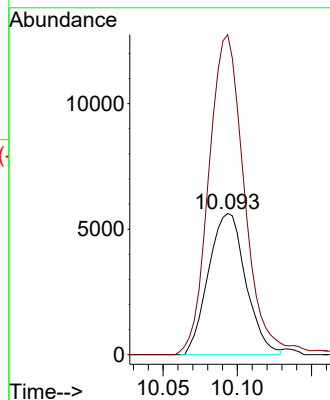
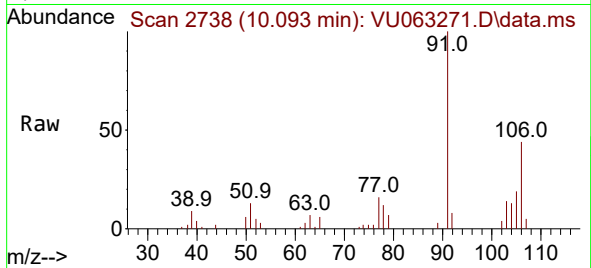




#54
o-Xylene
Concen: 0.44 ug/L
RT: 10.093 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

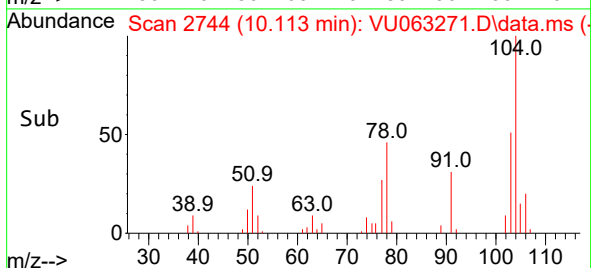
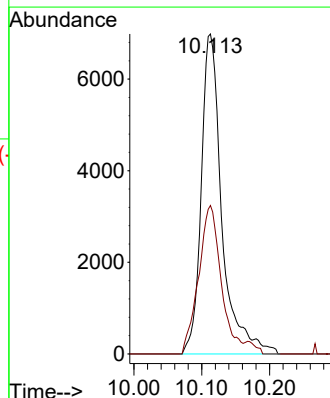
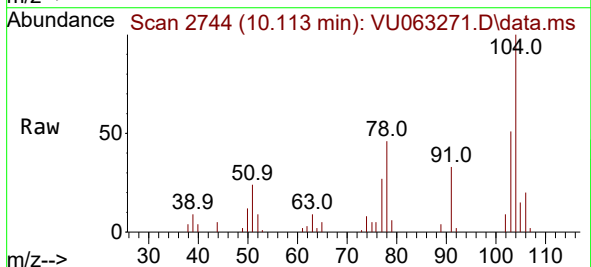
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

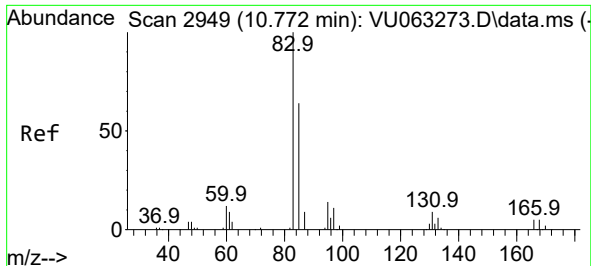
Tgt Ion:106 Resp: 9838
Ion Ratio Lower Upper
106 100
91 226.5 155.5 288.9



#55
Styrene
Concen: 0.40 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion:104 Resp: 14779
Ion Ratio Lower Upper
104 100
78 46.4 31.6 58.6

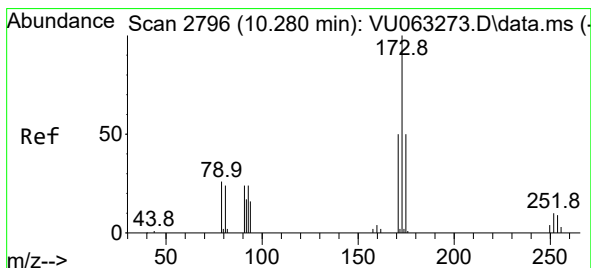
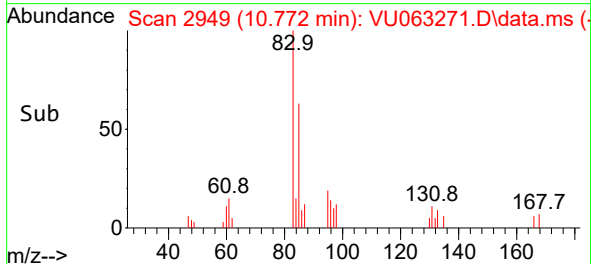
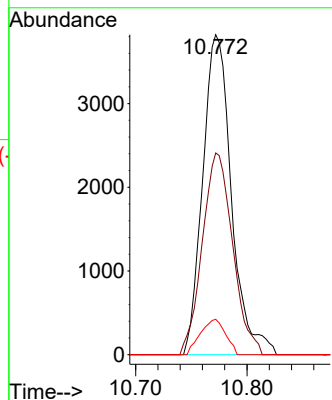
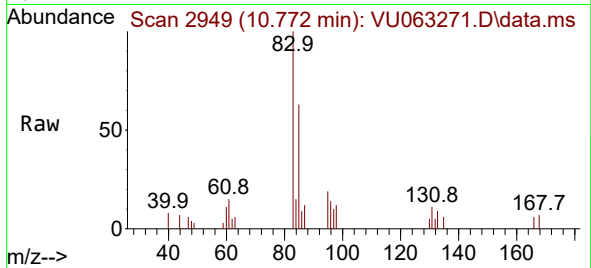




#57
1,1,2-Tetrachloroethane
Concen: 0.47 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

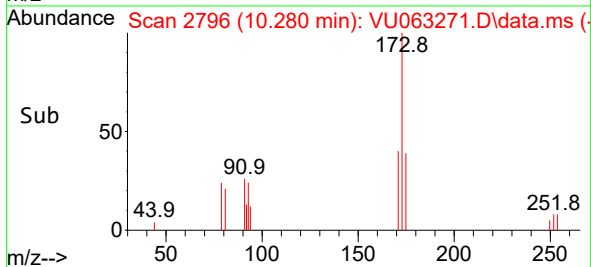
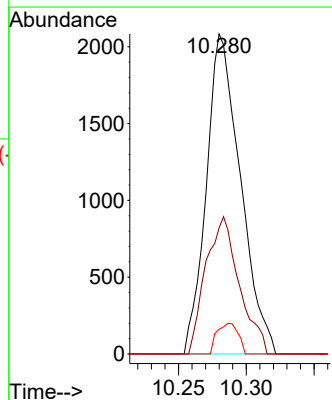
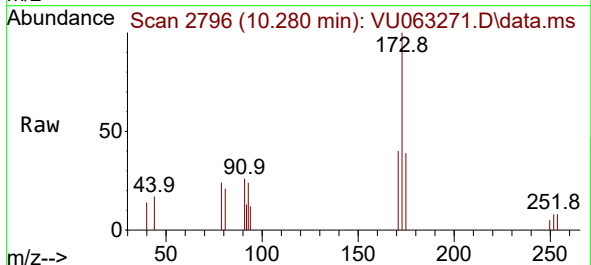
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

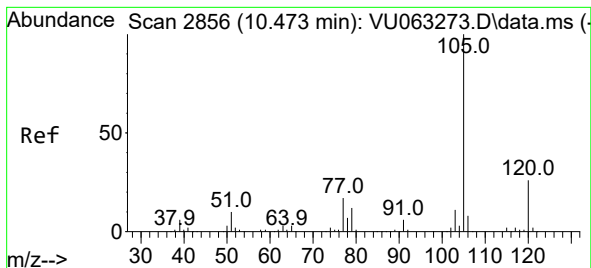
Tgt Ion: 83 Resp: 6849
Ion Ratio Lower Upper
83 100
85 63.0 44.9 83.5
131 11.0 7.2 10.8#



#59
Bromoform
Concen: 0.58 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion: 173 Resp: 3638
Ion Ratio Lower Upper
173 100
175 42.2 39.4 59.0
254 5.9 7.2 10.8#





#60

Isopropylbenzene

Concen: 0.48 ug/L

RT: 10.476 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5006

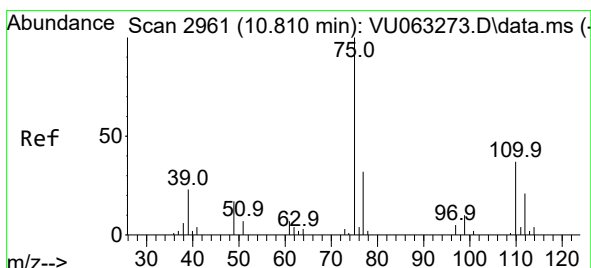
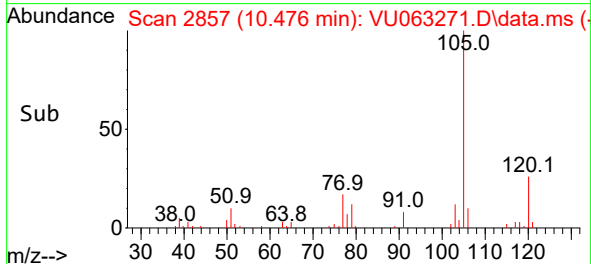
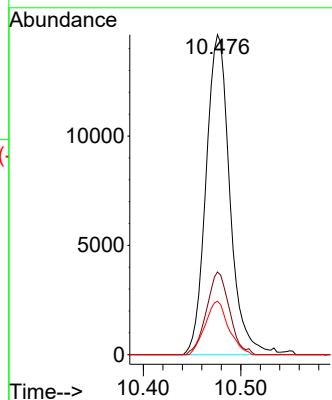
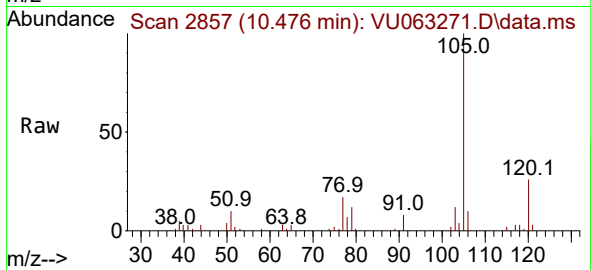
Tgt Ion:105 Resp: 24887

Ion Ratio Lower Upper

105 100

120 24.9 20.6 31.0

77 16.5 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 0.54 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.006 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

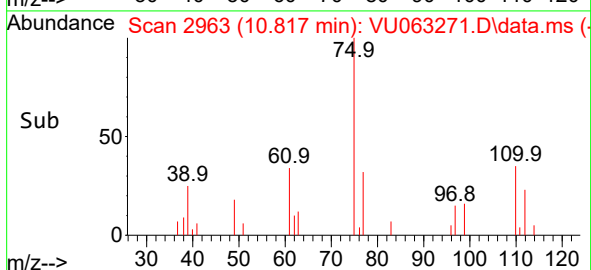
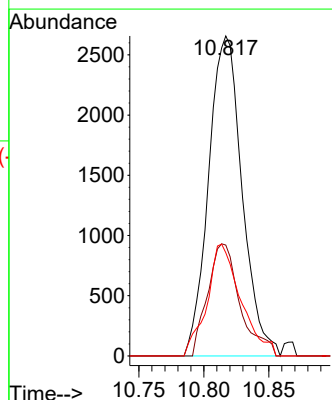
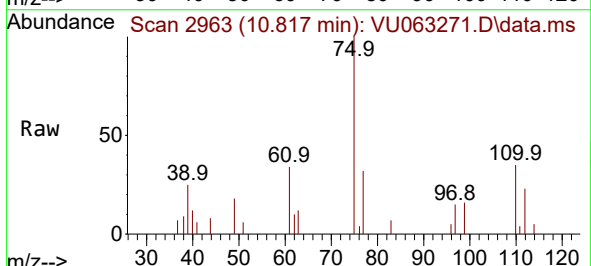
Tgt Ion: 75 Resp: 4763

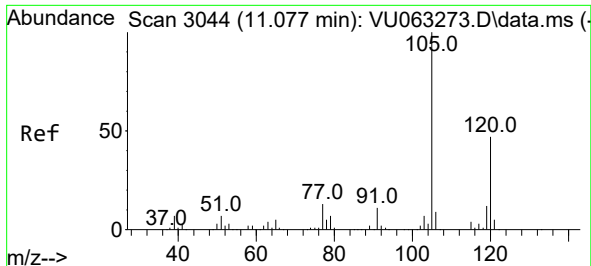
Ion Ratio Lower Upper

75 100

110 34.0 29.3 43.9

77 35.3 25.8 38.8





#62

1,3,5-Trimethylbenzene

Concen: 0.43 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

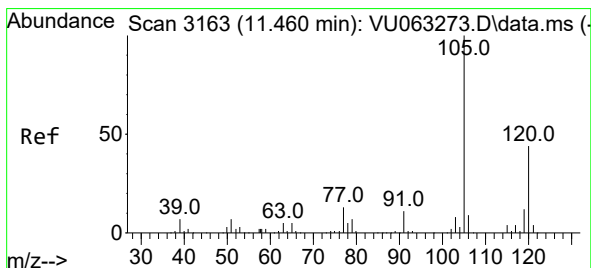
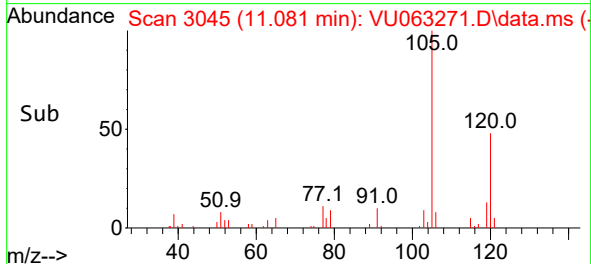
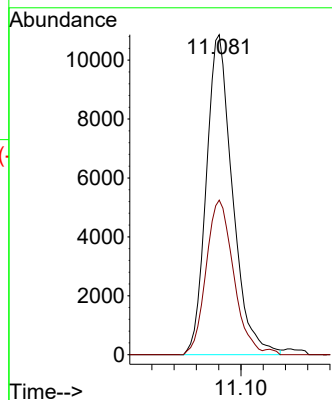
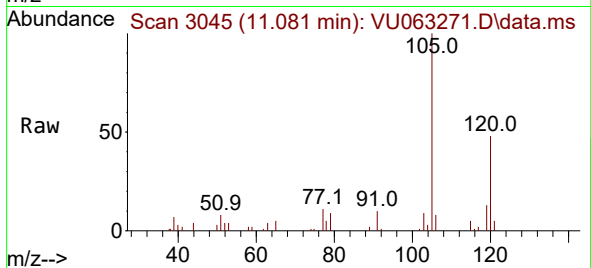
VSTD0.5006

Tgt Ion:105 Resp: 17745

Ion Ratio Lower Upper

105 100

120 50.4 37.5 56.3



#63

1,2,4-Trimethylbenzene

Concen: 0.42 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063271.D

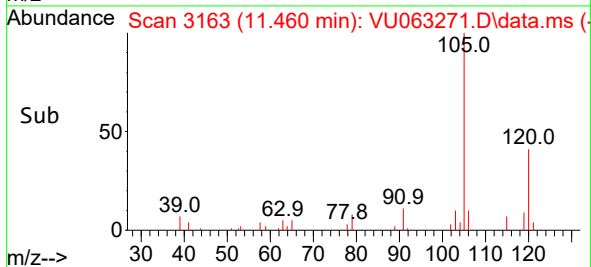
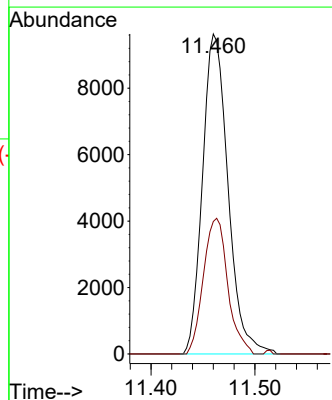
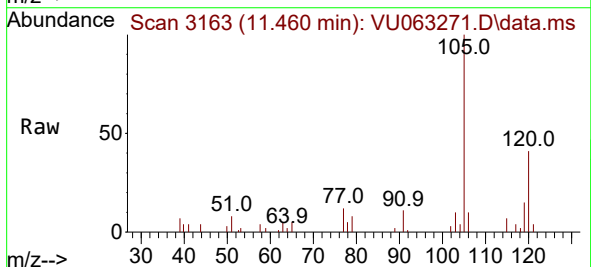
Acq: 21 Feb 2025 12:50

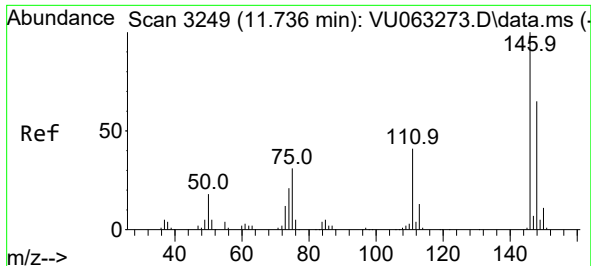
Tgt Ion:105 Resp: 16417

Ion Ratio Lower Upper

105 100

120 40.4 35.1 52.7

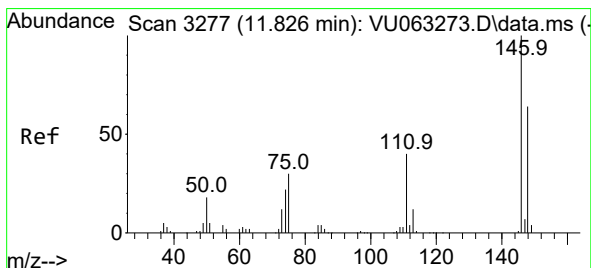
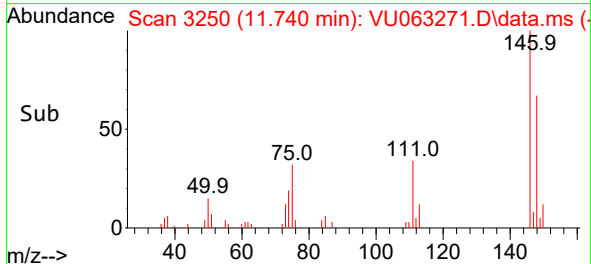
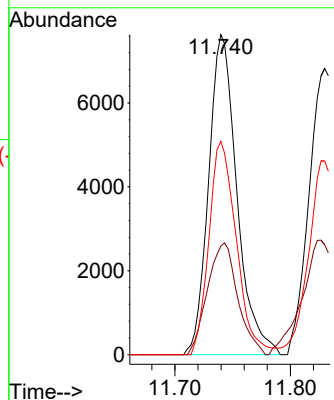
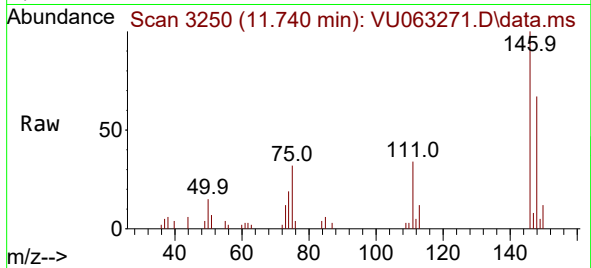




#64
1,3-Dichlorobenzene
Concen: 0.55 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

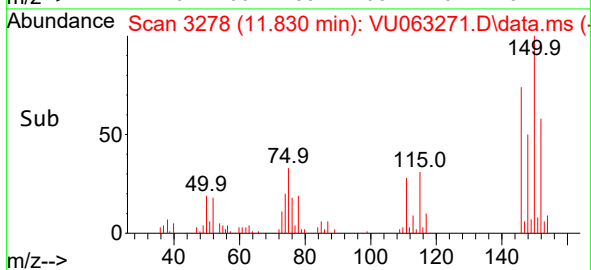
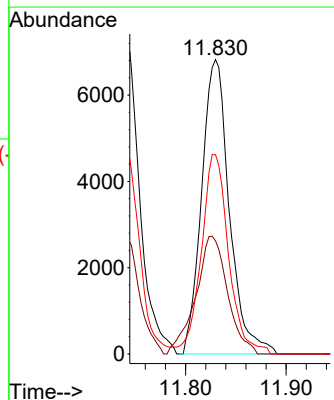
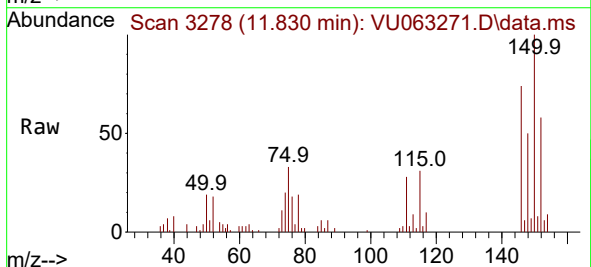
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

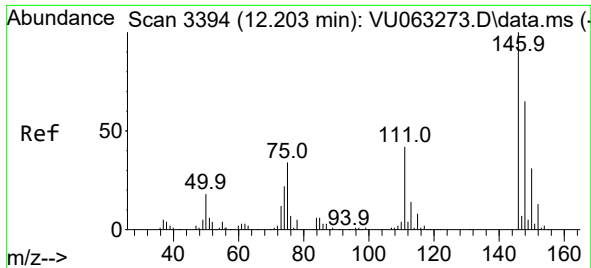
Tgt Ion:146 Resp: 12992
Ion Ratio Lower Upper
146 100
111 33.9 28.5 52.9
148 66.7 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 0.55 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion:146 Resp: 13073
Ion Ratio Lower Upper
146 100
111 38.4 28.3 52.5
148 67.6 45.0 83.6

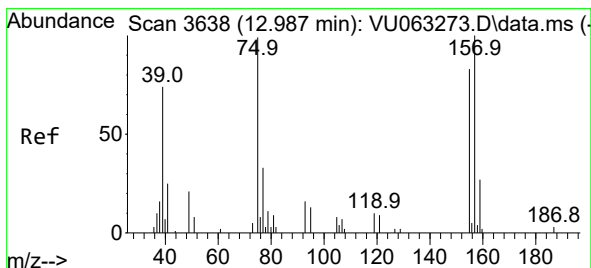
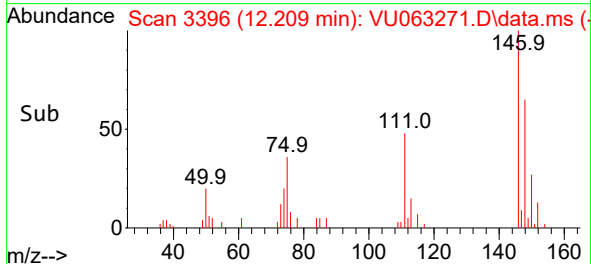
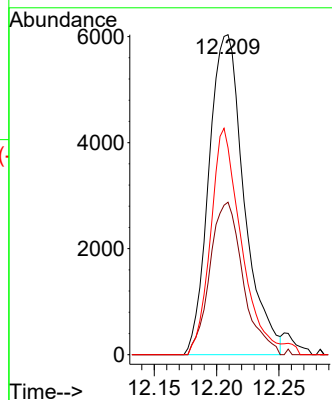
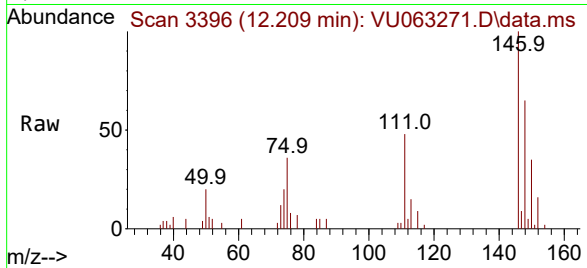




#67
1,2-Dichlorobenzene
Concen: 0.53 ug/L
RT: 12.209 min Scan# 311
Delta R.T. 0.006 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

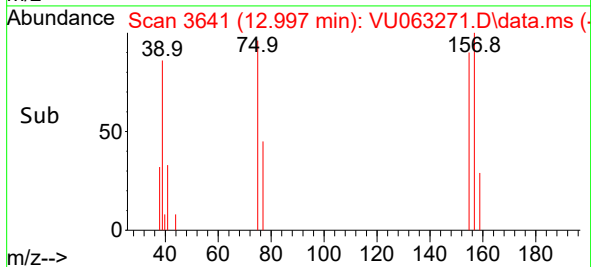
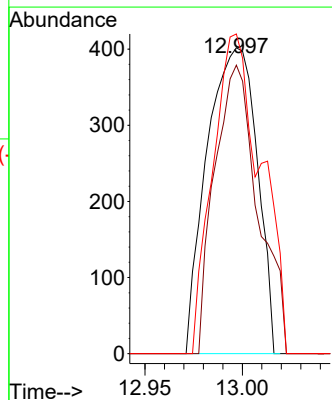
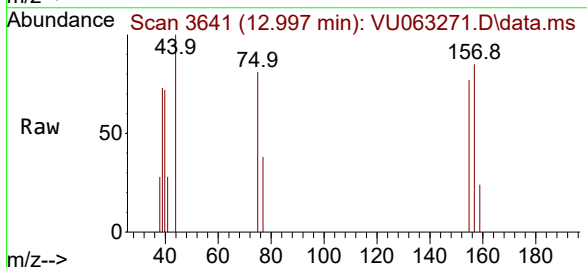
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5006

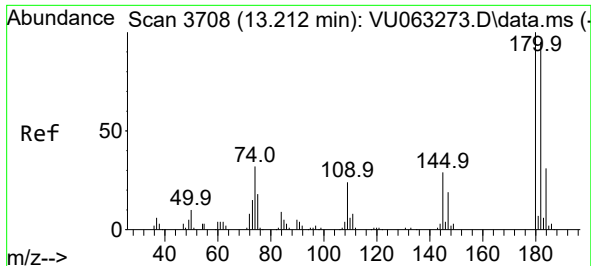
Tgt Ion:146 Resp: 11848
Ion Ratio Lower Upper
146 100
111 47.6 33.9 50.9
148 64.6 52.0 78.0



#68
1,2-Dibromo-3-chloropropane
Concen: 0.41 ug/L
RT: 12.997 min Scan# 3641
Delta R.T. 0.010 min
Lab File: VU063271.D
Acq: 21 Feb 2025 12:50

Tgt Ion: 75 Resp: 717
Ion Ratio Lower Upper
75 100
155 94.3 67.0 100.6
157 104.5 80.9 121.3





#69

1,3,5-Trichlorobenzene

Concen: 0.56 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5006

Tgt Ion:180 Resp: 8928

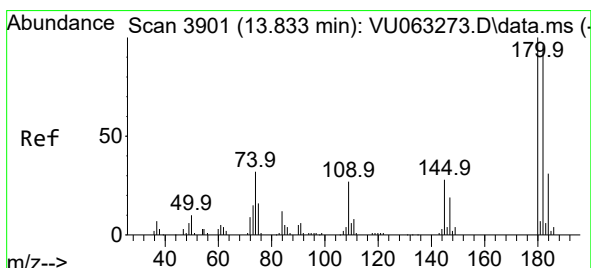
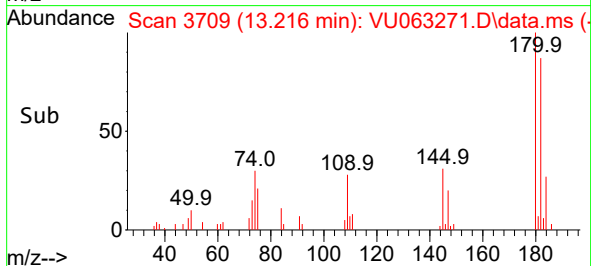
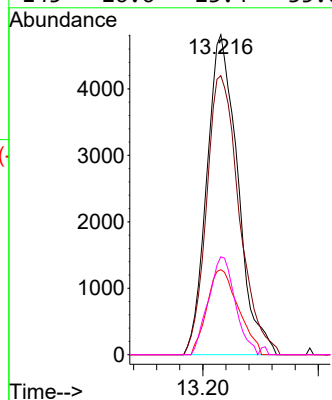
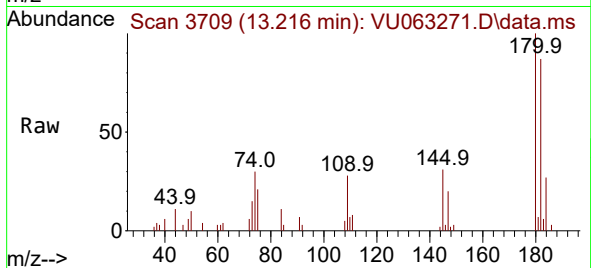
Ion Ratio Lower Upper

180 100

182 92.0 77.6 116.4

184 27.0 24.7 37.1

145 26.6 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 0.50 ug/L

RT: 13.842 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

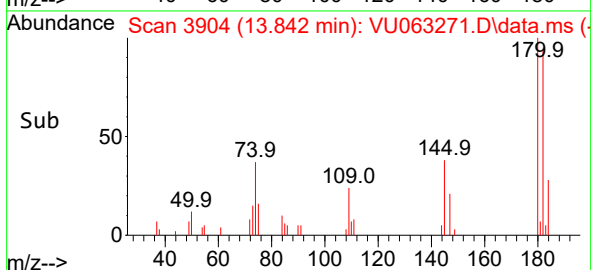
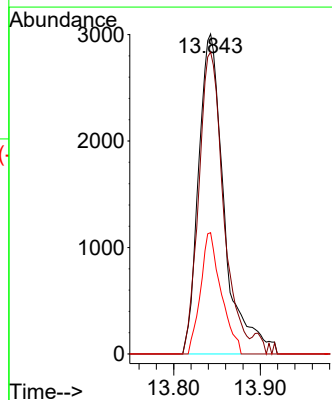
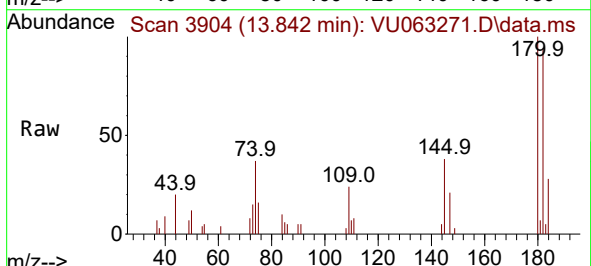
Tgt Ion:180 Resp: 6182

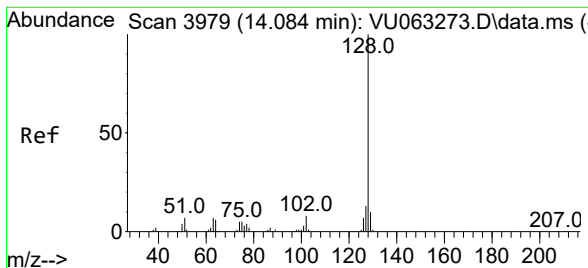
Ion Ratio Lower Upper

180 100

182 90.2 75.8 113.8

145 30.4 23.8 35.8





#71

Naphthalene

Concen: 0.31 ug/L

RT: 14.103 min Scan# 3979

Delta R.T. 0.019 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5006

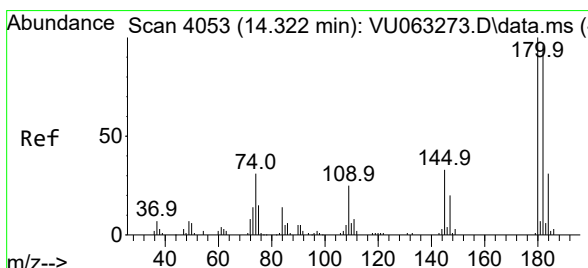
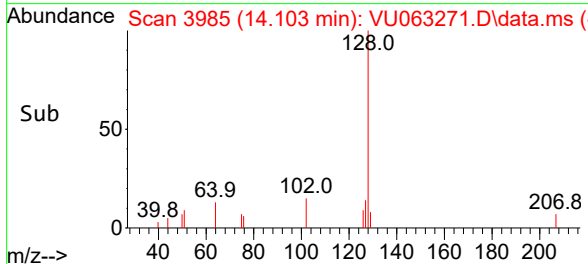
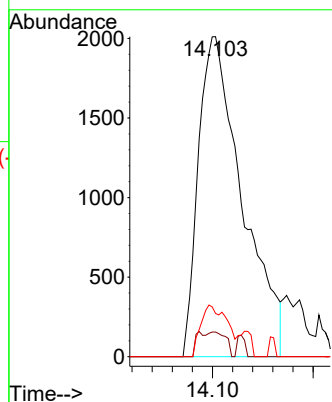
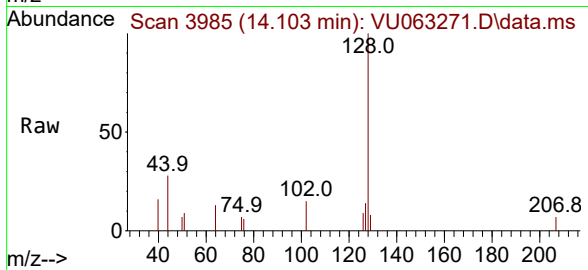
Tgt Ion:128 Resp: 6089

Ion Ratio Lower Upper

128 100

129 3.1 8.1 12.1#

127 9.6 10.8 16.2#



#72

1,2,3-Trichlorobenzene

Concen: 0.48 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU063271.D

Acq: 21 Feb 2025 12:50

Tgt Ion:180 Resp: 5315

Ion Ratio Lower Upper

180 100

182 92.2 76.7 115.1

145 27.9 25.5 38.3

