

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022125\
 Data File : VU063276.D
 Acq On : 21 Feb 2025 15:59
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV011

Quant Time: Feb 24 11:56:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:41:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	195491	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	187385	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	88052	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.592	65	81123	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.901	69	66310	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.557	65	33611	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.40%
20) 2-Butanone-d5	4.605	46	181828	51.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.42%
24) Chloroform-d	5.049	84	151317	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.688	65	75630	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.714	84	298060	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.676	67	95245	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.888	98	273461	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloroprop...	8.171	79	35834	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.621	63	141738	53.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.60%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	76078	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
66) 1,2-Dichlorobenzene-d4	12.183	152	87134	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	87169	4.85	ug/L	98
3) Chloromethane	1.515	50	96929	4.70	ug/L	99
5) Vinyl chloride	1.599	62	98212	4.87	ug/L	98
6) Bromomethane	1.843	94	56805	4.81	ug/L	100
8) Chloroethane	1.923	64	60676	4.94	ug/L	99
9) Trichlorofluoromethane	2.129	101	112076	4.85	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	70127	4.88	ug/L	97
12) 1,1-Dichloroethene	2.570	96	68145	4.86	ug/L	97
13) Acetone	2.611	43	107819	48.26	ug/L	99
14) Carbon disulfide	2.782	76	226859	4.92	ug/L	99
15) Methyl Acetate	2.939	43	31430	5.25	ug/L	98
16) Methylene chloride	3.033	84	82357	4.79	ug/L	98
17) Methyl tert-butyl Ether	3.348	73	179690	5.04	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	72659	4.91	ug/L	99
19) 1,1-Dichloroethane	3.852	63	146830	4.99	ug/L	99
21) 2-Butanone	4.685	43	187902	50.36	ug/L	99
22) cis-1,2-Dichloroethene	4.650	96	83816	4.99	ug/L	97
23) Bromochloromethane	4.959	128	36884	4.94	ug/L	94
25) Chloroform	5.071	83	149199	4.98	ug/L	96

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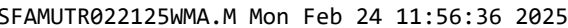
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 ClientSampleId :
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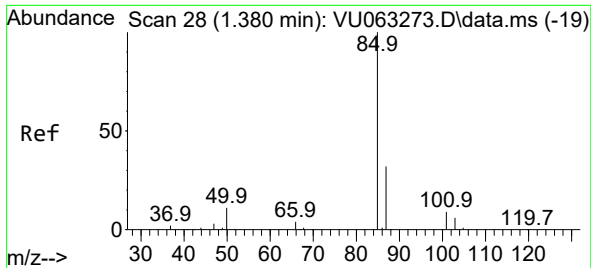
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 24 11:41:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	91901	4.80	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	119857	5.06	ug/L	99
30) Cyclohexane	5.373	56	121273	5.18	ug/L	98
31) Carbon tetrachloride	5.512	117	99722	4.97	ug/L	100
33) Benzene	5.759	78	329345	5.01	ug/L	100
34) Trichloroethene	6.531	95	82166	4.98	ug/L	97
35) Methylcyclohexane	6.749	83	119241	5.00	ug/L	99
37) 1,2-Dichloropropane	6.778	63	87510	5.00	ug/L	99
38) Bromodichloromethane	7.093	83	104000	4.98	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	123442	5.10	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	475906	52.26	ug/L	99
42) Toluene	7.958	91	343152	5.12	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	100488	5.04	ug/L	98
45) 1,1,2-Trichloroethane	8.386	97	62835	5.04	ug/L	99
47) Tetrachloroethene	8.544	164	59653	5.00	ug/L	96
48) 2-Hexanone	8.669	43	348279	54.73	ug/L	99
49) Dibromochloromethane	8.798	129	66391	5.01	ug/L	96
50) 1,2-Dibromoethane	8.910	107	58950	5.18	ug/L	96
51) Chlorobenzene	9.437	112	206590	4.98	ug/L	99
52) Ethylbenzene	9.560	91	354942	5.07	ug/L	98
53) m,p-Xylene	9.682	106	134460	5.16	ug/L	99
54) o-Xylene	10.090	106	130759	5.23	ug/L	98
55) Styrene	10.103	104	215399	5.24	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.769	83	79100	5.04	ug/L	98
59) Bromoform	10.280	173	39621	4.96	ug/L	98
60) Isopropylbenzene	10.473	105	346492	5.26	ug/L	99
61) 1,2,3-Trichloropropane	10.810	75	53168	4.98	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	270248	5.28	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	257892	5.37	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	156258	5.10	ug/L	98
65) 1,4-Dichlorobenzene	11.826	146	154214	5.05	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	145482	5.09	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	10416	5.22	ug/L	97
69) 1,3,5-Trichlorobenzene	13.209	180	106393	5.03	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	80105	5.29	ug/L	99
71) Naphthalene	14.080	128	119807	5.92	ug/L	97
72) 1,2,3-Trichlorobenzene	14.322	180	69109	5.32	ug/L	98

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

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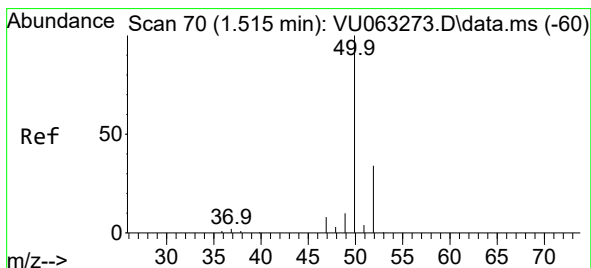
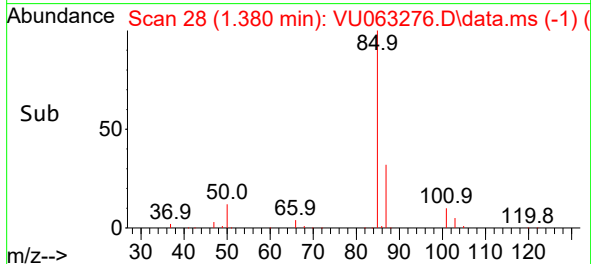
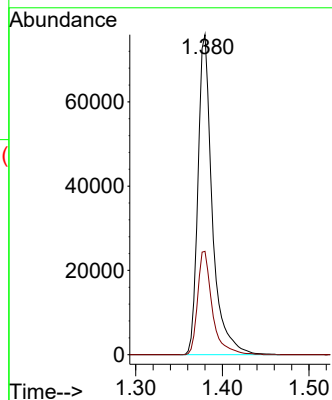
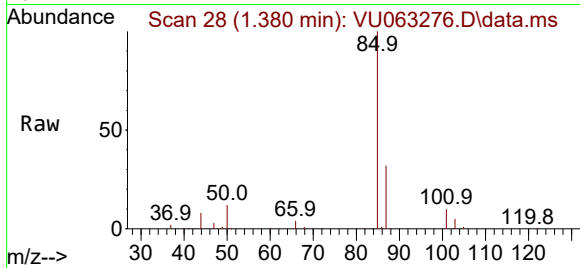




#2
 Dichlorodifluoromethane
 Concen: 4.85 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU063276.D
 Acq: 21 Feb 2025 15:59

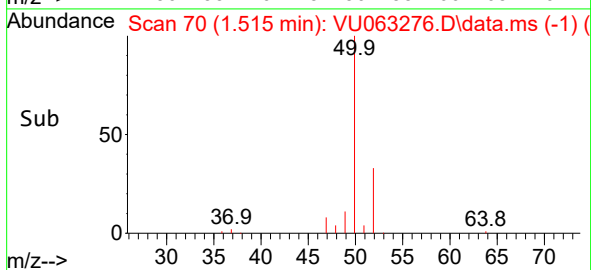
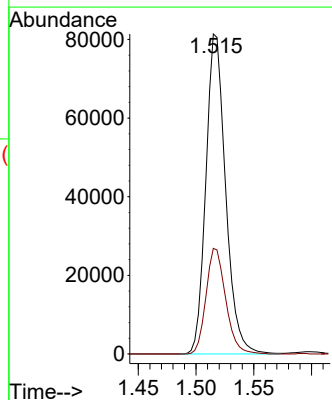
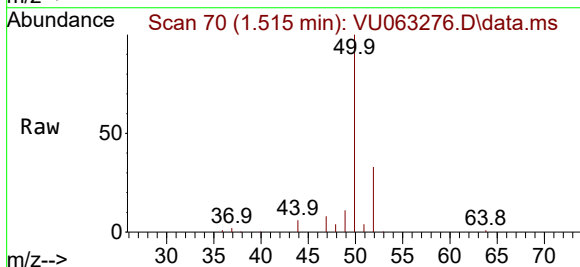
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV011

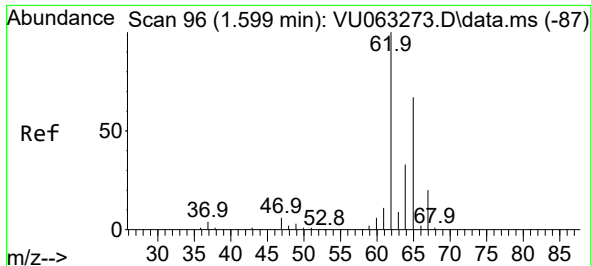
Tgt Ion: 85 Resp: 87169
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.5 38.3



#3
 Chloromethane
 Concen: 4.70 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU063276.D
 Acq: 21 Feb 2025 15:59

Tgt Ion: 50 Resp: 96929
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.5 43.7

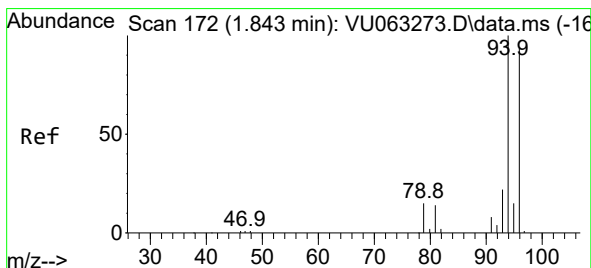
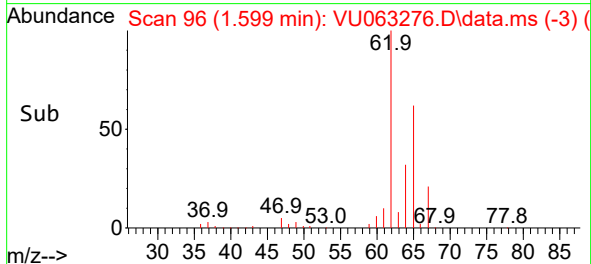
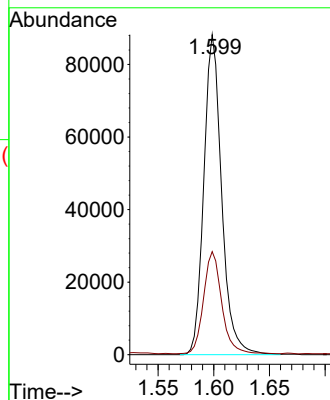
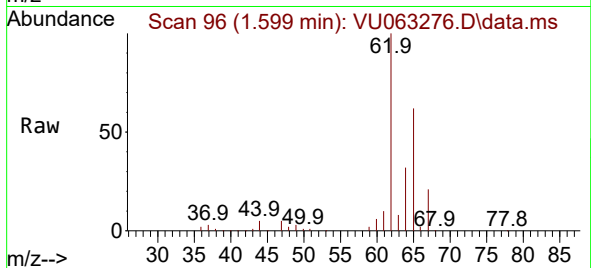




#5
 Vinyl chloride
 Concen: 4.87 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU063276.D
 Acq: 21 Feb 2025 15:59

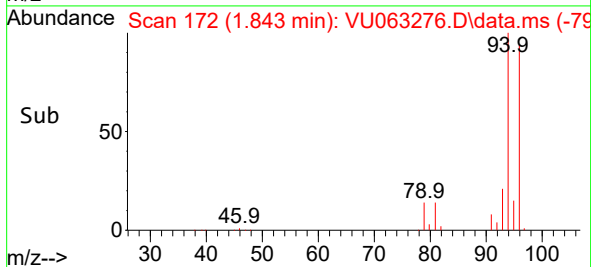
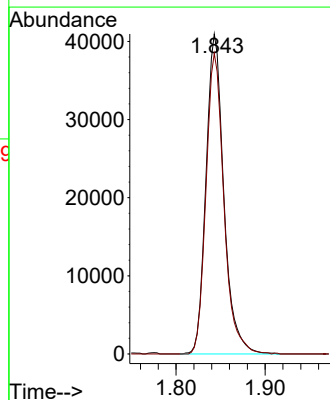
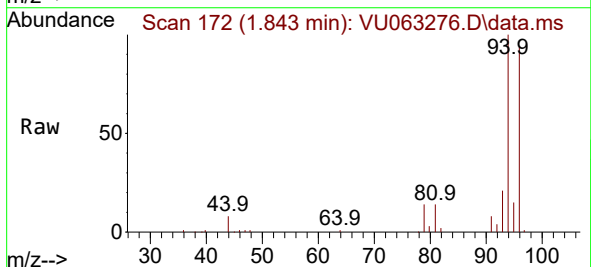
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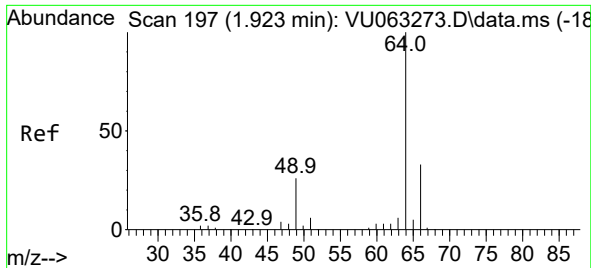
Tgt Ion: 62 Resp: 98212
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.3 43.3



#6
 Bromomethane
 Concen: 4.81 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VU063276.D
 Acq: 21 Feb 2025 15:59

Tgt Ion: 94 Resp: 56805
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.6 121.8

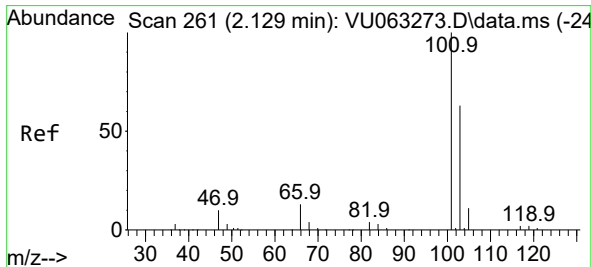
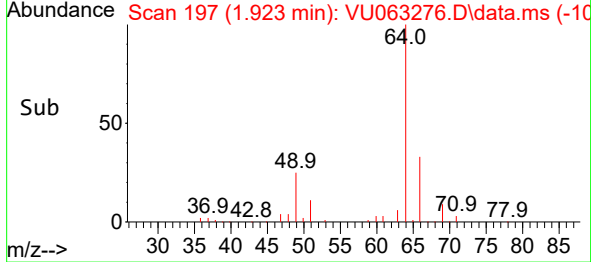
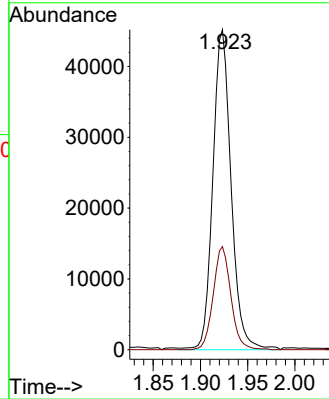
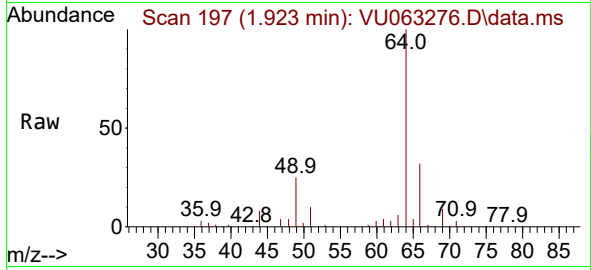




#8
Chloroethane
Concen: 4.94 ug/L
RT: 1.923 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

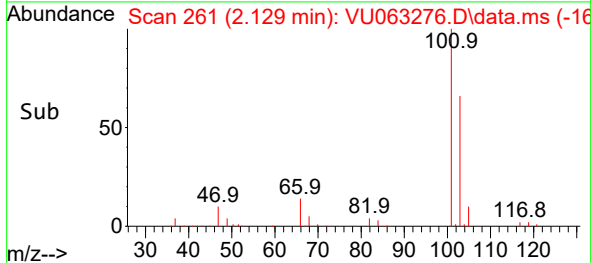
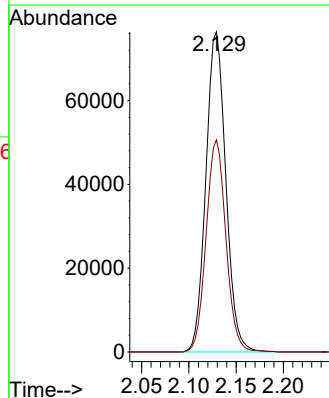
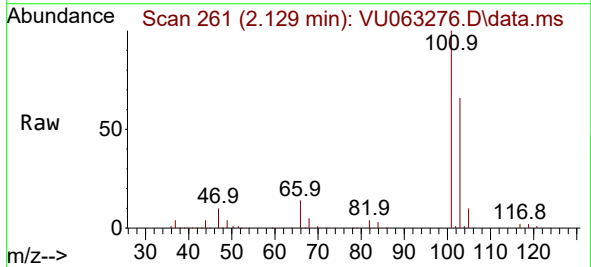
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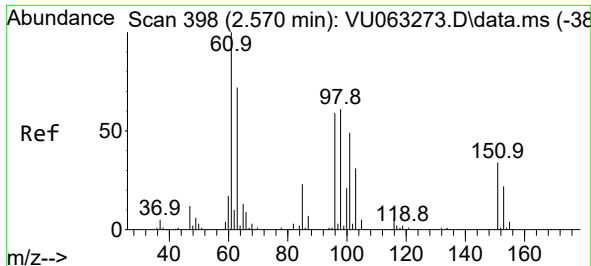
Tgt Ion: 64 Resp: 60676
Ion Ratio Lower Upper
64 100
66 32.2 22.7 42.3



#9
Trichlorofluoromethane
Concen: 4.85 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion: 101 Resp: 112076
Ion Ratio Lower Upper
101 100
103 65.8 50.8 76.2

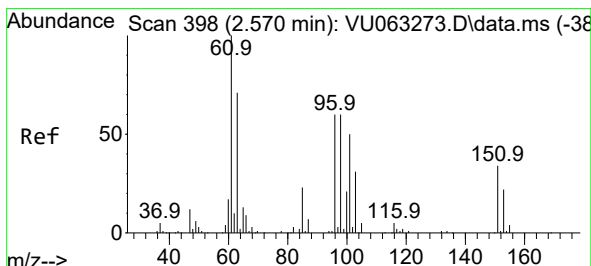
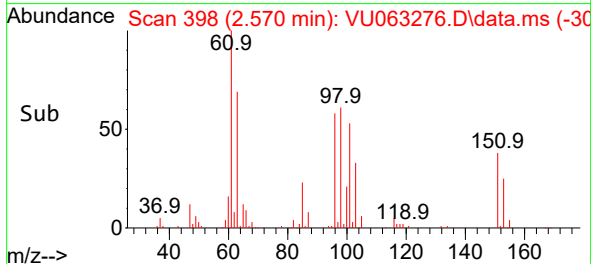
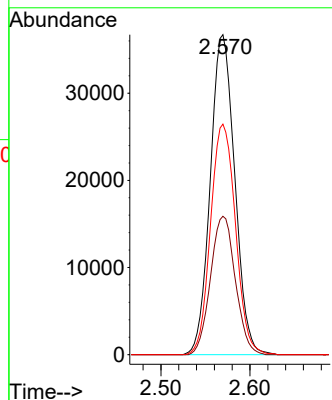
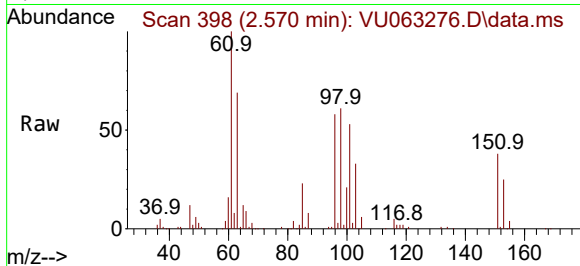




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.88 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU063276.D
 Acq: 21 Feb 2025 15:59

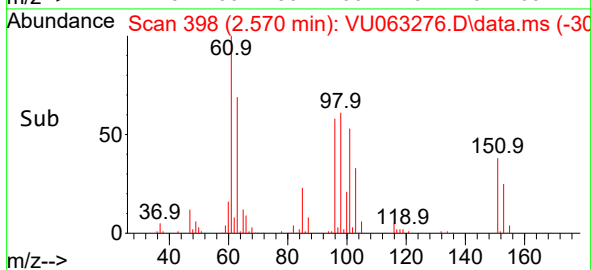
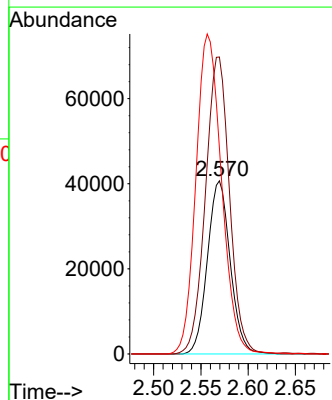
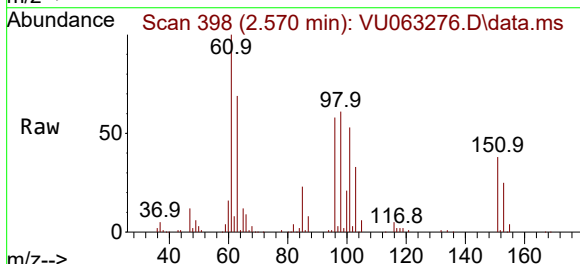
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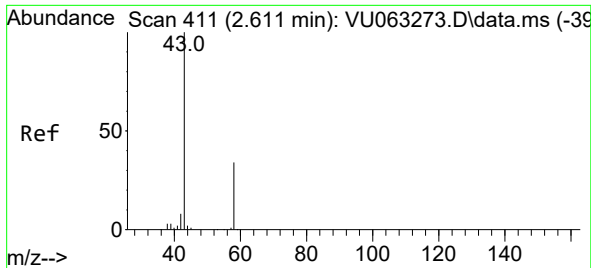
Tgt Ion:101 Resp: 70127
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.8 53.6
 151 73.4 56.4 84.6



#12
 1,1-Dichloroethene
 Concen: 4.86 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU063276.D
 Acq: 21 Feb 2025 15:59

Tgt Ion: 96 Resp: 68145
 Ion Ratio Lower Upper
 96 100
 61 171.5 117.8 218.8
 63 119.1 86.0 159.6





#13

Acetone

Concen: 48.26 ug/L

RT: 2.611 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

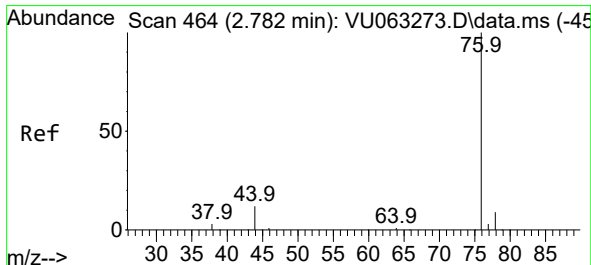
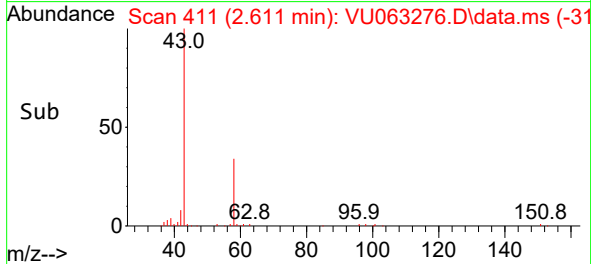
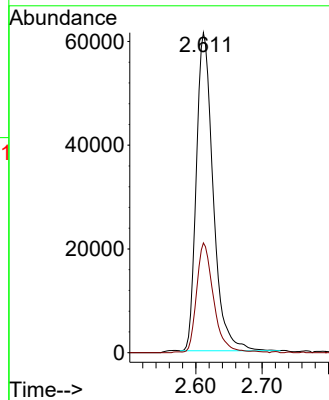
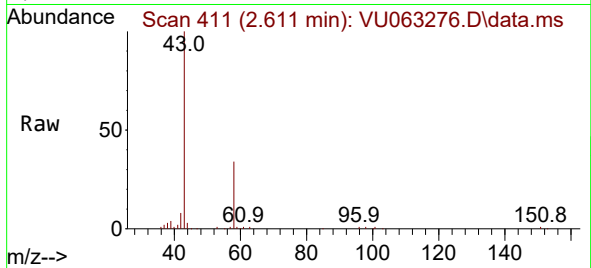
VICV011

Tgt Ion: 43 Resp: 107819

Ion Ratio Lower Upper

43 100

58 34.0 0.0 66.8



#14

Carbon disulfide

Concen: 4.92 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU063276.D

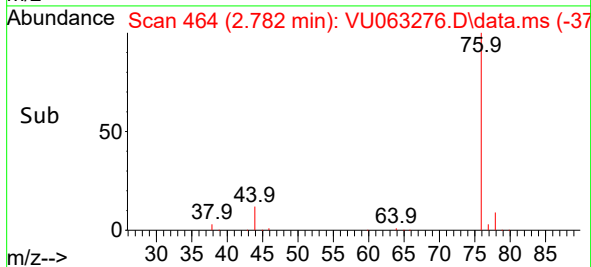
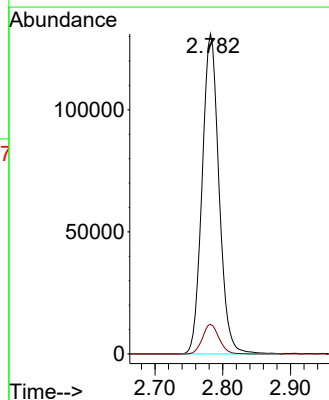
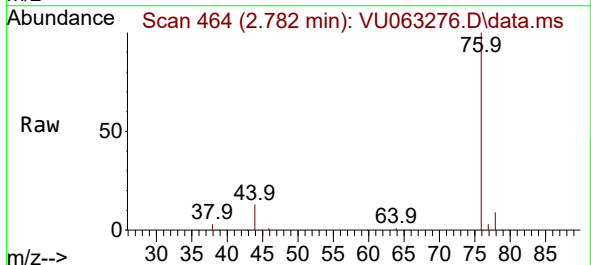
Acq: 21 Feb 2025 15:59

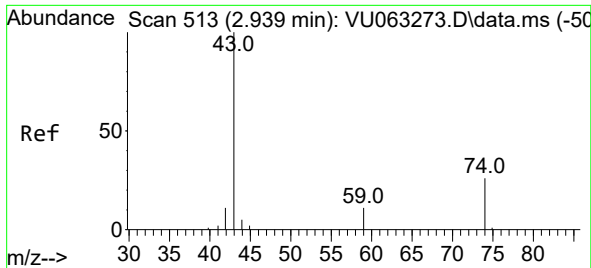
Tgt Ion: 76 Resp: 226859

Ion Ratio Lower Upper

76 100

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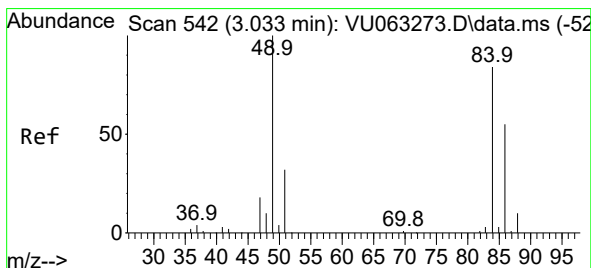
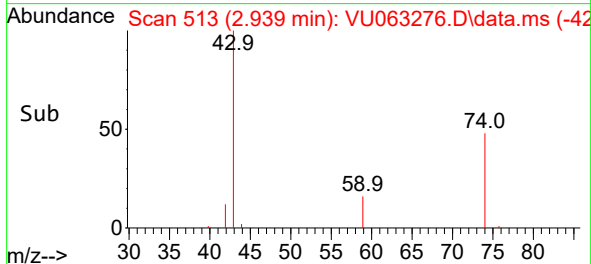
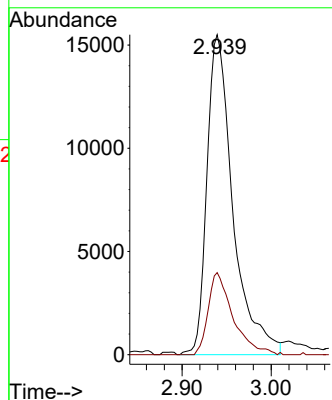
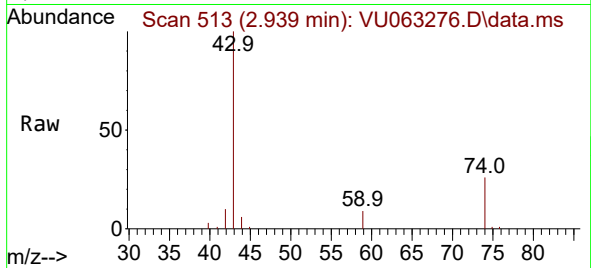




#15
Methyl Acetate
Concen: 5.25 ug/L
RT: 2.939 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

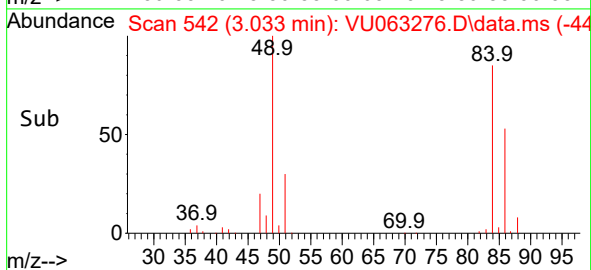
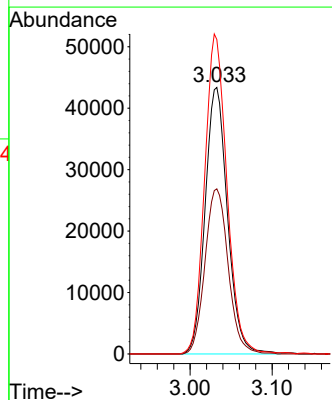
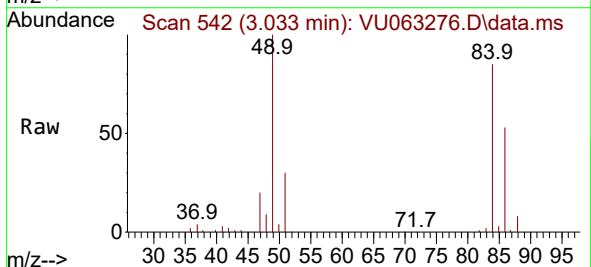
Instrument :
MSVOA_U
ClientSampleId :
VICV011

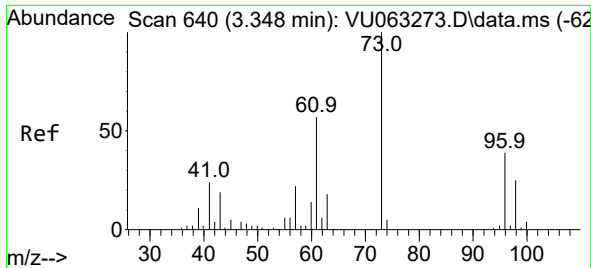
Tgt Ion: 43 Resp: 31430
Ion Ratio Lower Upper
43 100
74 24.4 20.2 30.2



#16
Methylene chloride
Concen: 4.79 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion: 84 Resp: 82357
Ion Ratio Lower Upper
84 100
86 62.0 45.3 84.1
49 117.9 83.4 154.8

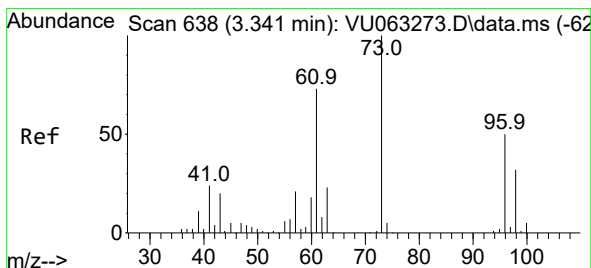
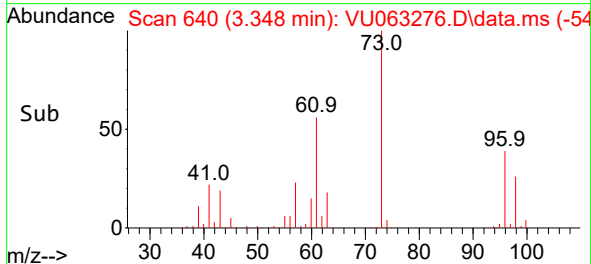
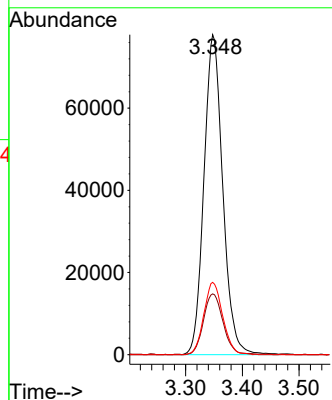
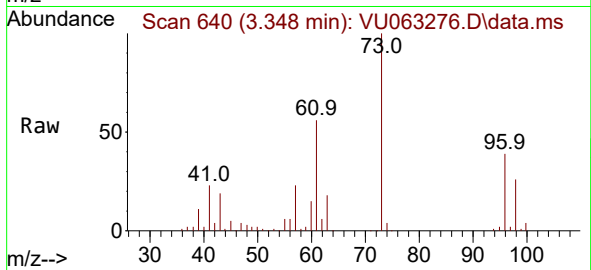




#17
Methyl tert-butyl Ether
Concen: 5.04 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

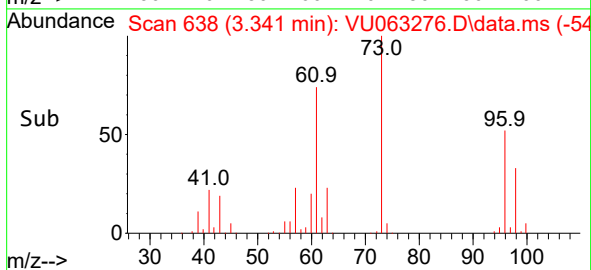
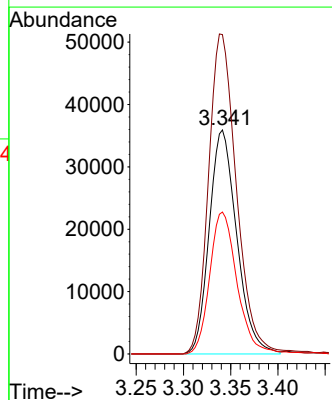
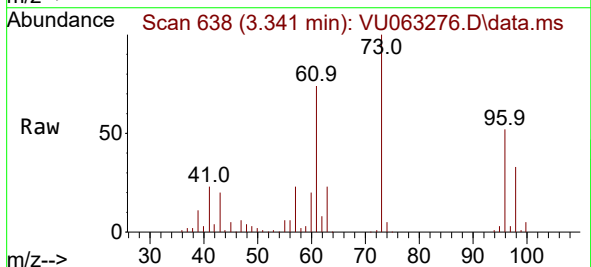
Instrument :
MSVOA_U
ClientSampleId :
VICV011

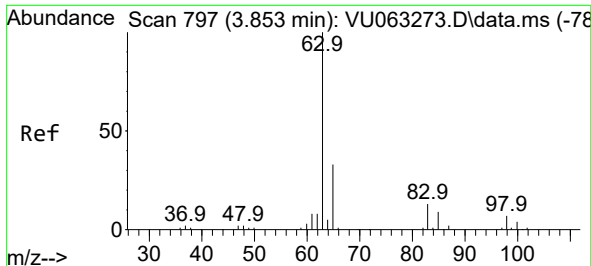
Tgt Ion: 73 Resp: 179690
Ion Ratio Lower Upper
73 100
43 19.8 15.7 23.5
57 22.7 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 4.91 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion: 96 Resp: 72659
Ion Ratio Lower Upper
96 100
61 142.5 100.7 186.9
98 63.3 44.4 82.5

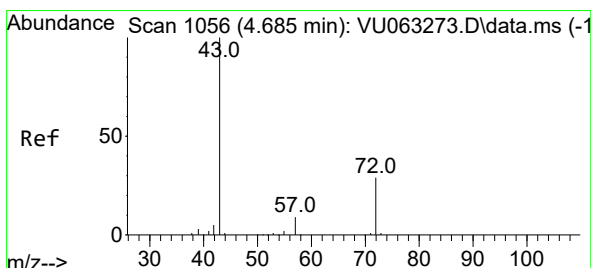
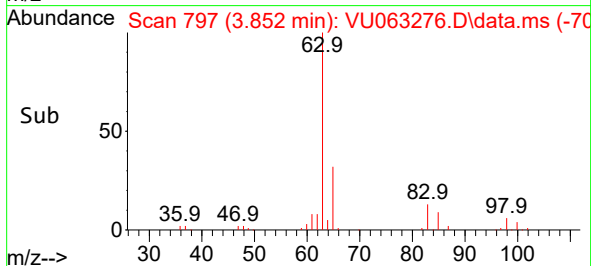
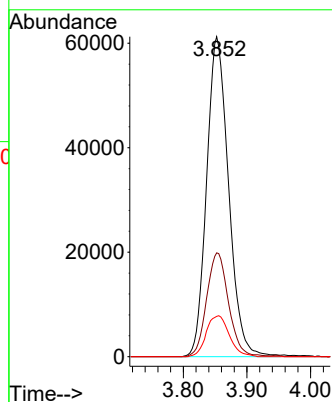
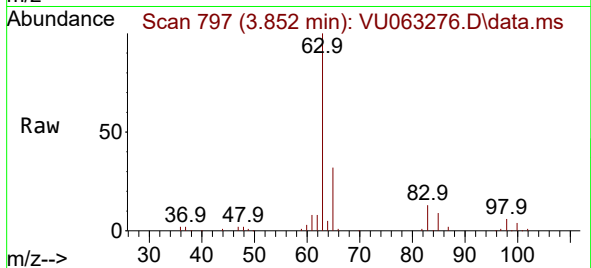




#19
1,1-Dichloroethane
Concen: 4.99 ug/L
RT: 3.852 min Scan# 797
Delta R.T. -0.001 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

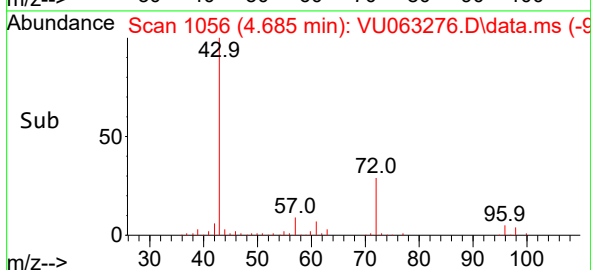
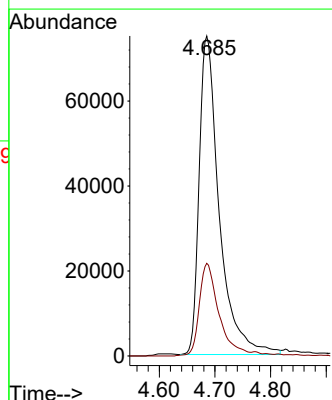
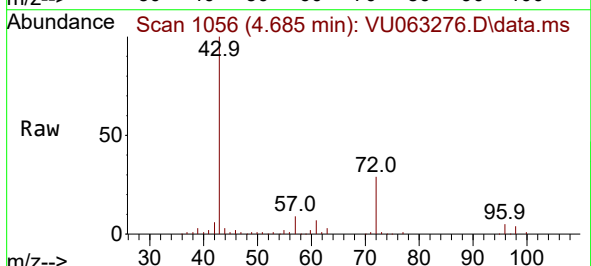
Instrument :
MSVOA_U
ClientSampleId :
VICV011

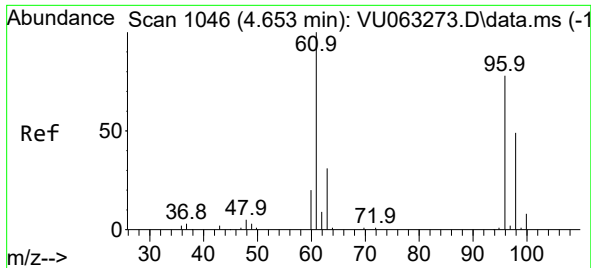
Tgt Ion: 63 Resp: 146830
Ion Ratio Lower Upper
63 100
65 32.5 22.8 42.4
83 12.6 9.3 17.3



#21
2-Butanone
Concen: 50.36 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion: 43 Resp: 187902
Ion Ratio Lower Upper
43 100
72 28.2 14.5 43.5

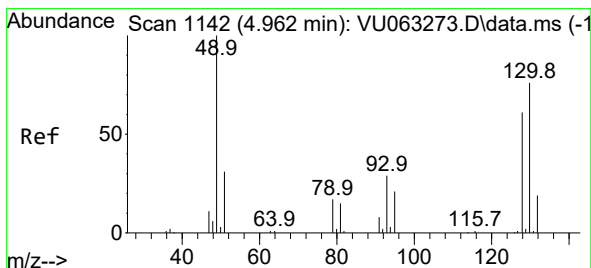
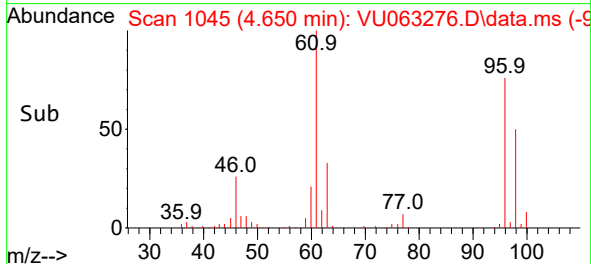
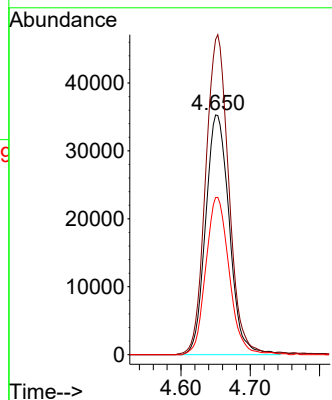
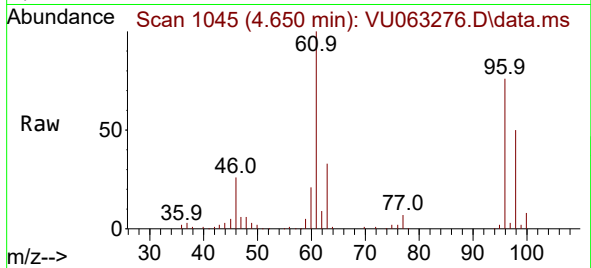




#22
 cis-1,2-Dichloroethene
 Concen: 4.99 ug/L
 RT: 4.650 min Scan# 110
 Delta R.T. -0.003 min
 Lab File: VU063276.D
 Acq: 21 Feb 2025 15:59

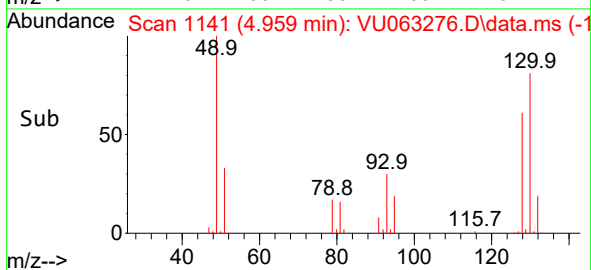
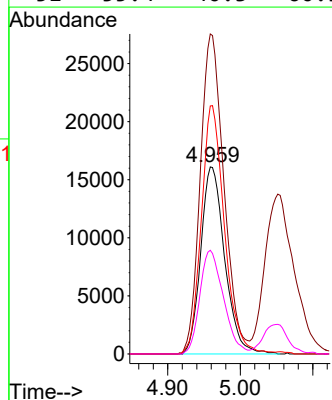
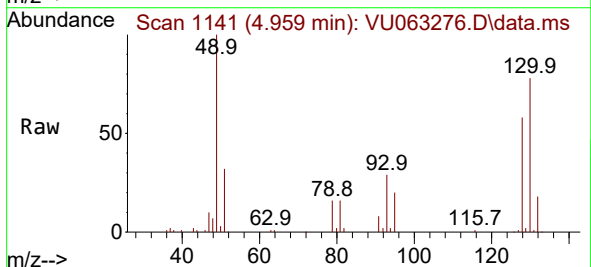
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV011

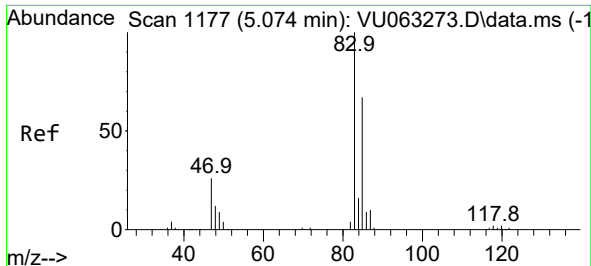
Tgt Ion: 96 Resp: 83816
 Ion Ratio Lower Upper
 96 100
 61 131.5 89.9 167.0
 98 65.6 43.8 81.4



#23
 Bromochloromethane
 Concen: 4.94 ug/L
 RT: 4.959 min Scan# 1141
 Delta R.T. -0.003 min
 Lab File: VU063276.D
 Acq: 21 Feb 2025 15:59

Tgt Ion: 128 Resp: 36884
 Ion Ratio Lower Upper
 128 100
 49 171.0 115.1 213.8
 130 132.6 87.6 162.8
 51 55.4 40.3 60.5





#25

Chloroform

Concen: 4.98 ug/L

RT: 5.071 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

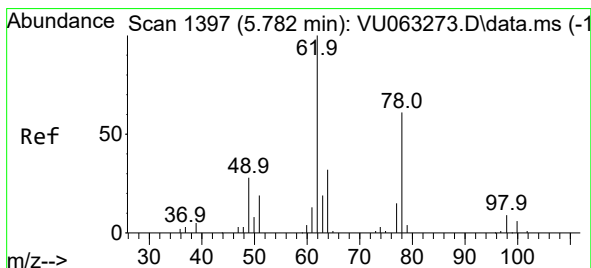
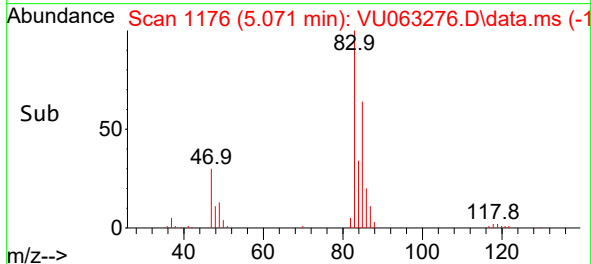
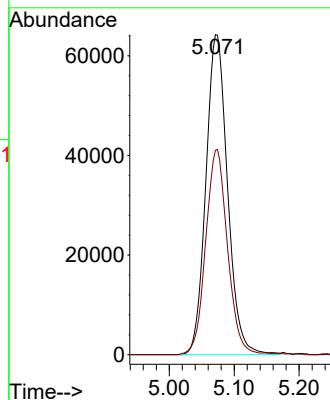
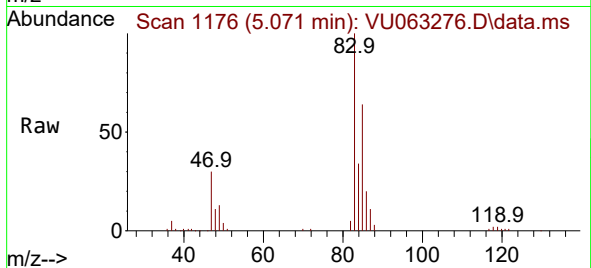
VICV011

Tgt Ion: 83 Resp: 149199

Ion Ratio Lower Upper

83 100

85 63.9 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.80 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU063276.D

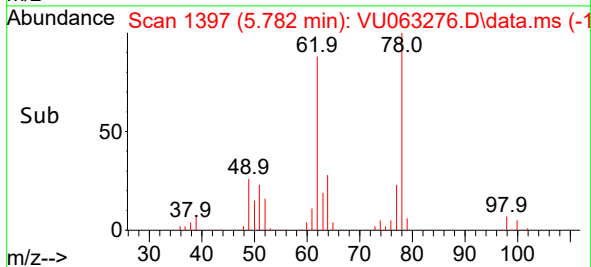
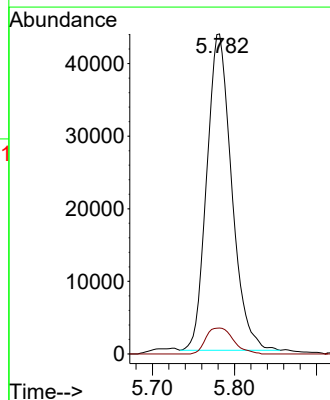
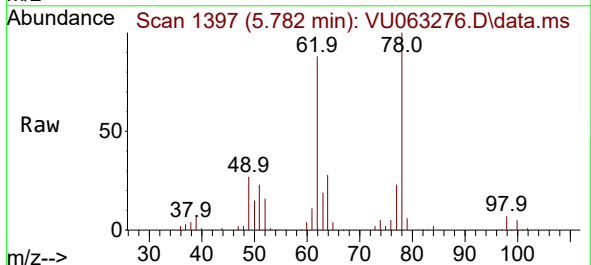
Acq: 21 Feb 2025 15:59

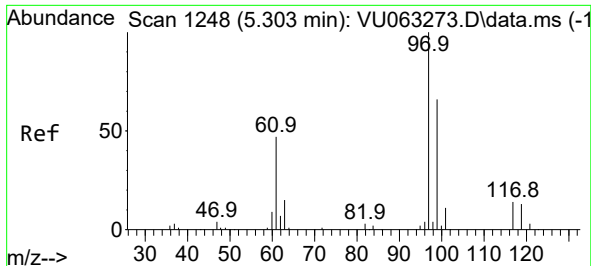
Tgt Ion: 62 Resp: 91901

Ion Ratio Lower Upper

62 100

98 8.1 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 5.06 ug/L

RT: 5.303 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

VICV011

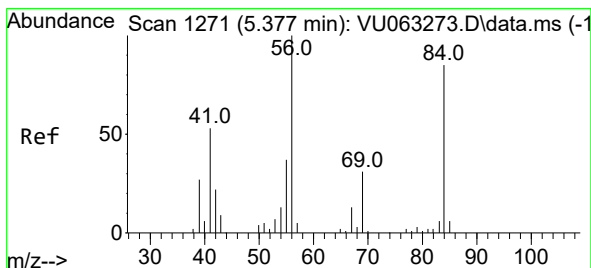
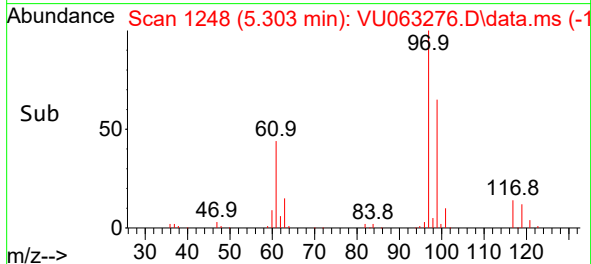
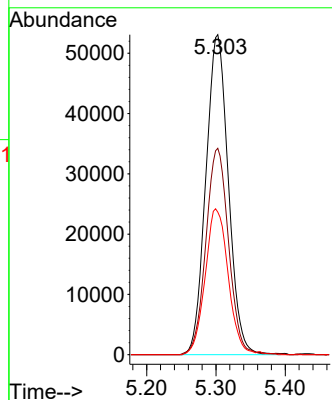
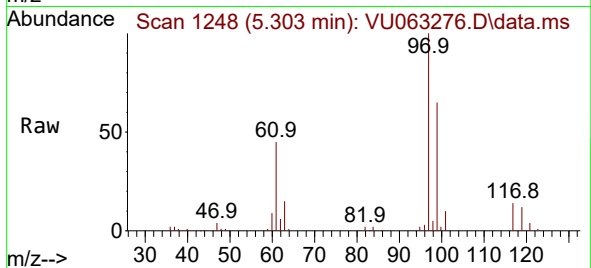
Tgt Ion: 97 Resp: 119857

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 46.5 38.0 57.0



#30

Cyclohexane

Concen: 5.18 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.004 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

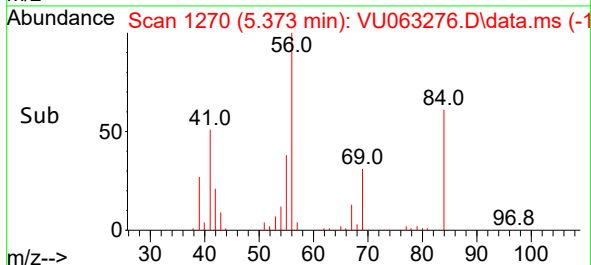
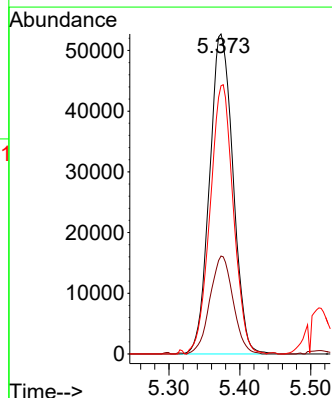
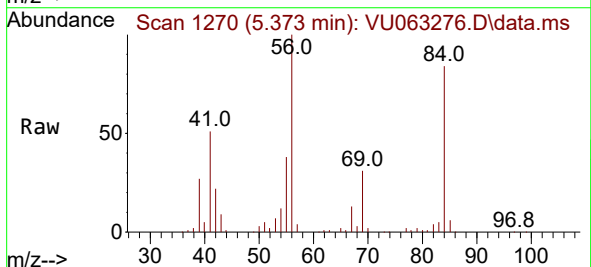
Tgt Ion: 56 Resp: 121273

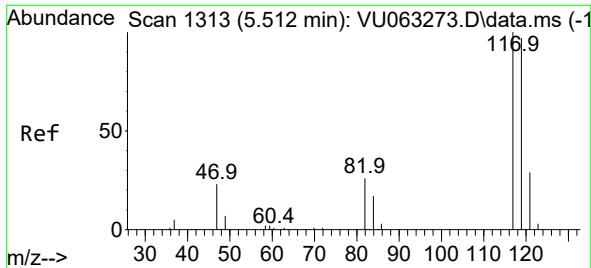
Ion Ratio Lower Upper

56 100

69 30.1 25.1 37.7

84 83.2 68.1 102.1

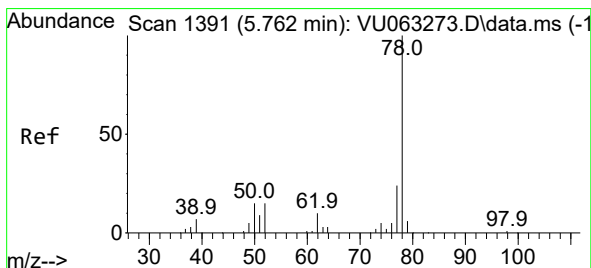
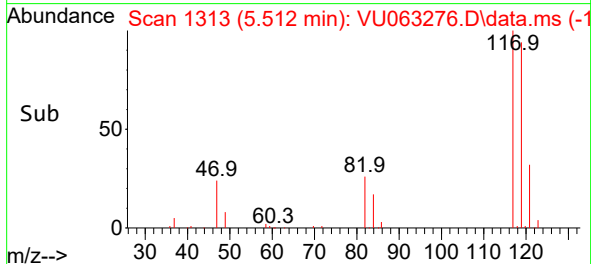
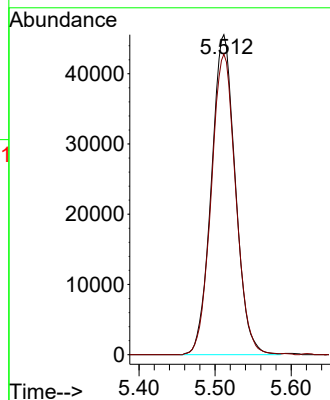
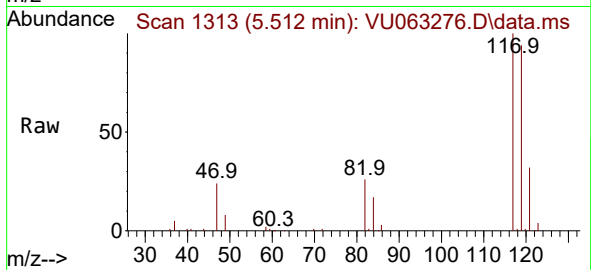




#31
Carbon tetrachloride
Concen: 4.97 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

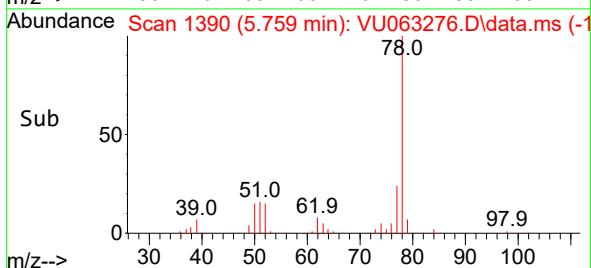
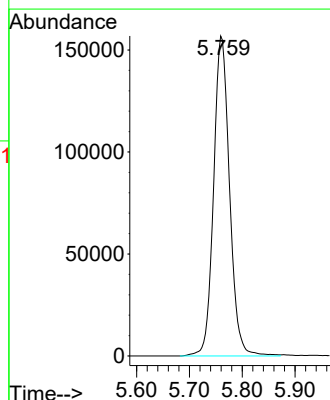
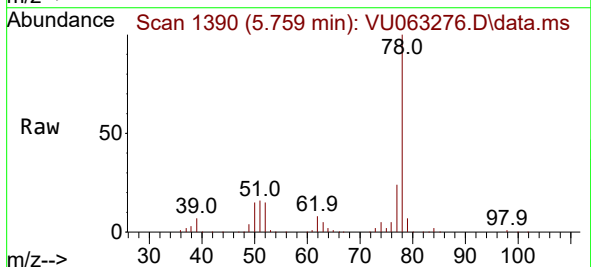
Instrument :
MSVOA_U
ClientSampleId :
VICV011

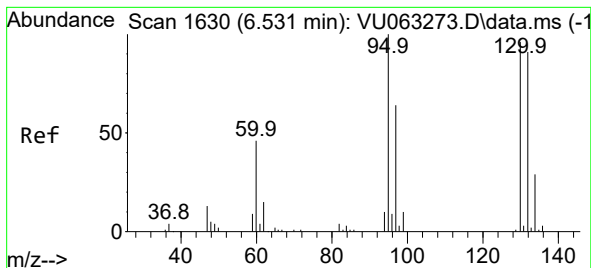
Tgt Ion:117 Resp: 99722
Ion Ratio Lower Upper
117 100
119 96.0 76.7 115.1



#33
Benzene
Concen: 5.01 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion: 78 Resp: 329345





#34

Trichloroethene

Concen: 4.98 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

VICV011

Tgt Ion: 95 Resp: 82166

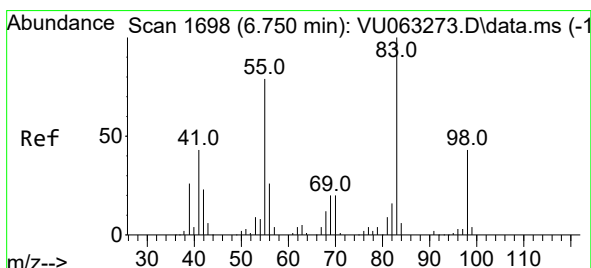
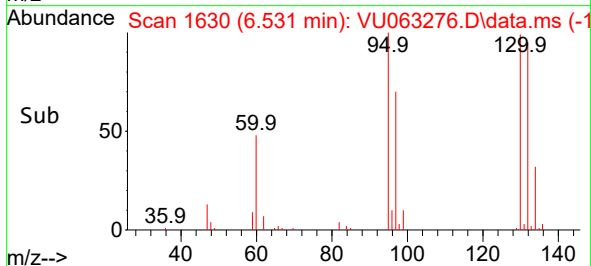
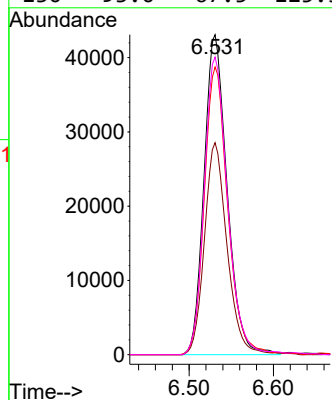
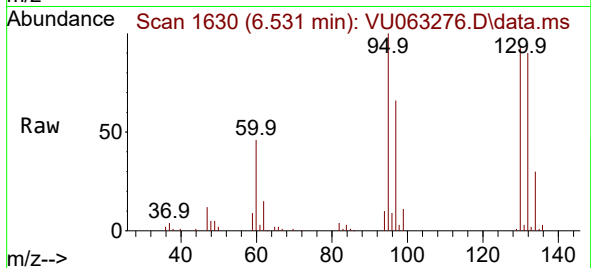
Ion Ratio Lower Upper

95 100

97 66.2 45.0 83.6

132 89.9 64.0 119.0

130 93.0 67.5 125.3



#35

Methylcyclohexane

Concen: 5.00 ug/L

RT: 6.749 min Scan# 1698

Delta R.T. -0.001 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

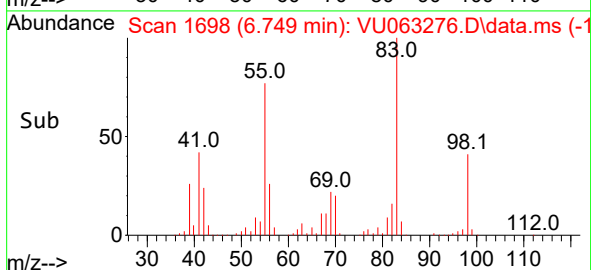
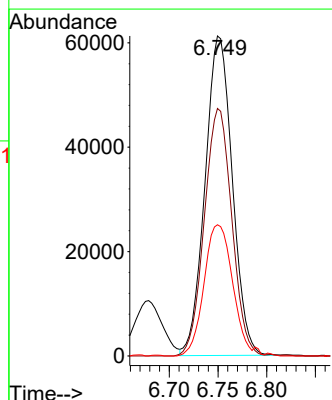
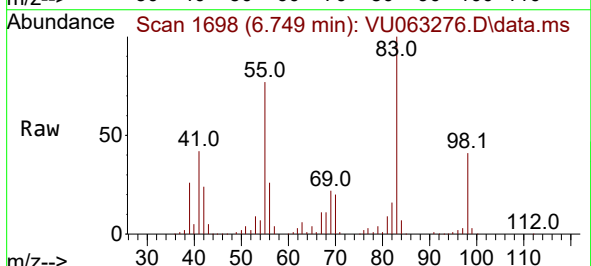
Tgt Ion: 83 Resp: 119241

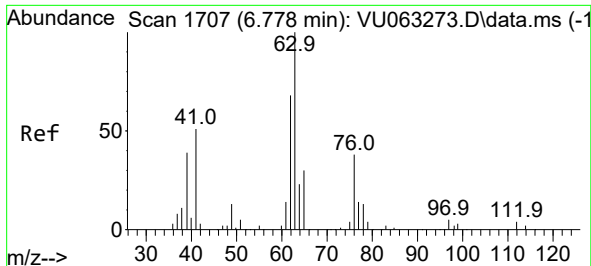
Ion Ratio Lower Upper

83 100

55 78.0 62.7 94.1

98 43.3 34.3 51.5





#37

1,2-Dichloropropane

Concen: 5.00 ug/L

RT: 6.778 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

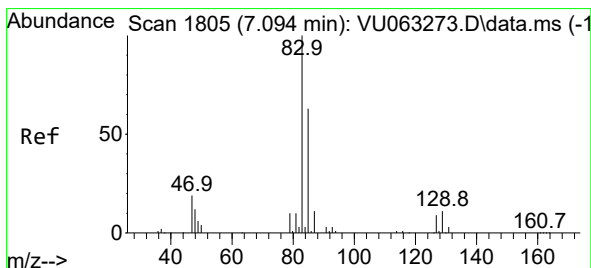
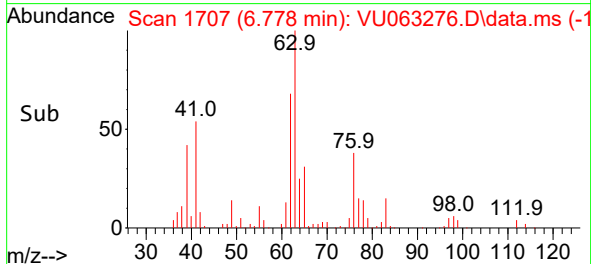
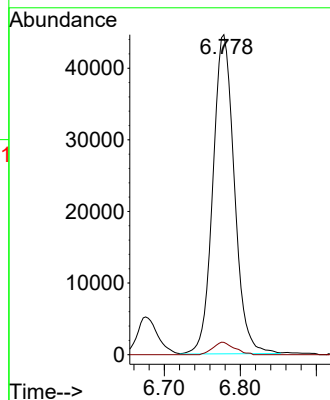
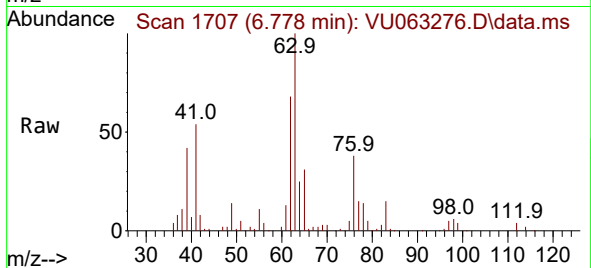
VICV011

Tgt Ion: 63 Resp: 87510

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



#38

Bromodichloromethane

Concen: 4.98 ug/L

RT: 7.093 min Scan# 1805

Delta R.T. -0.001 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

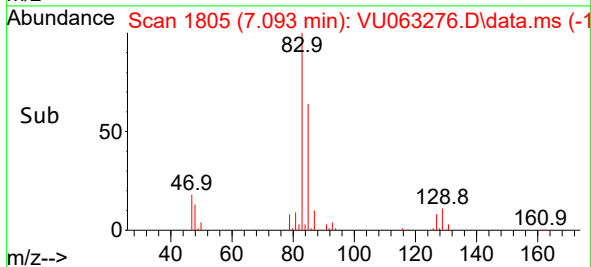
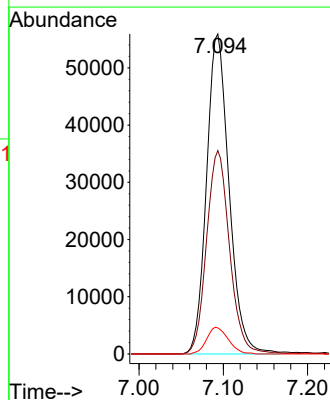
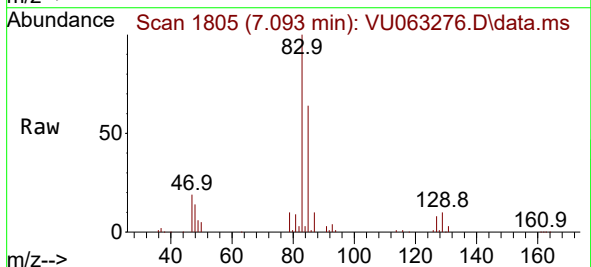
Tgt Ion: 83 Resp: 104000

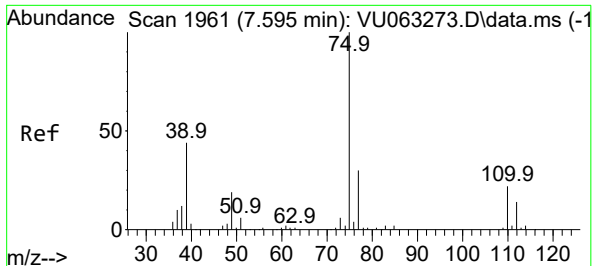
Ion Ratio Lower Upper

83 100

85 63.6 44.3 82.3

127 8.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.10 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

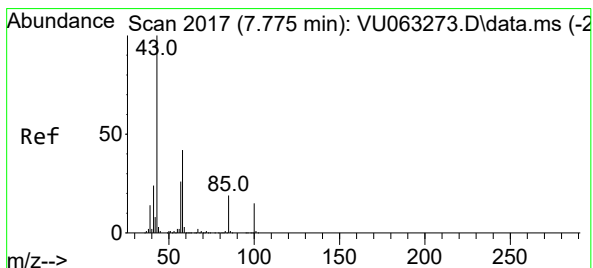
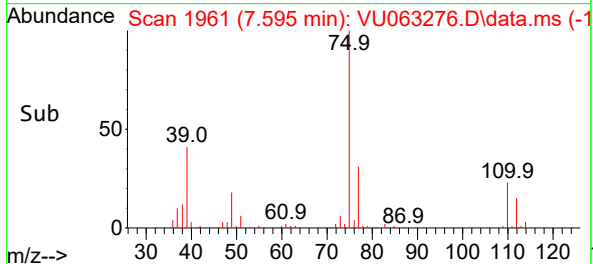
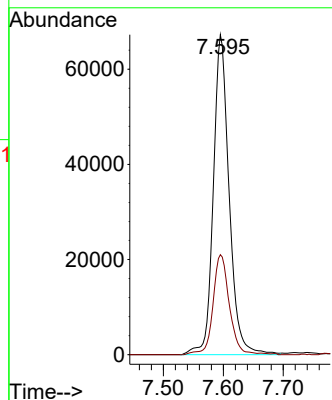
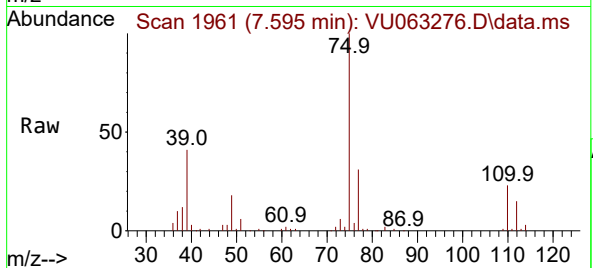
VICV011

Tgt Ion: 75 Resp: 123442

Ion Ratio Lower Upper

75 100

77 31.3 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 52.26 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

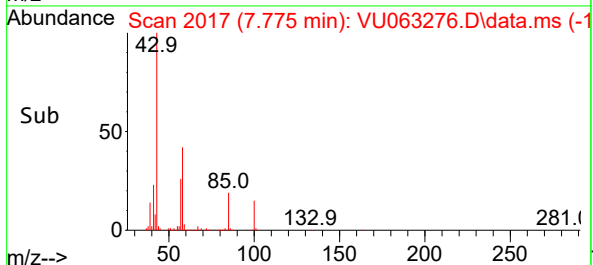
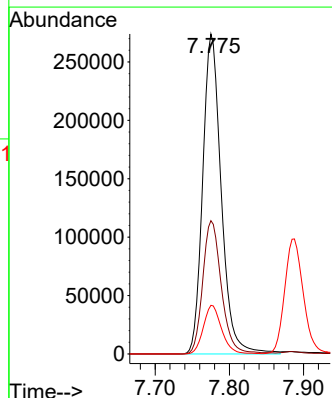
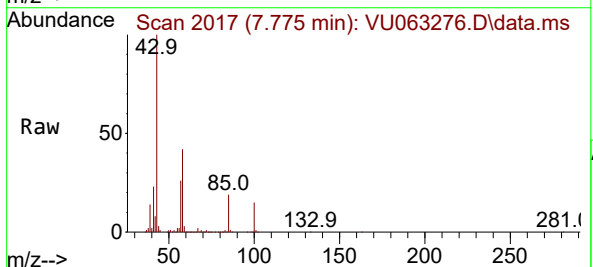
Tgt Ion: 43 Resp: 475906

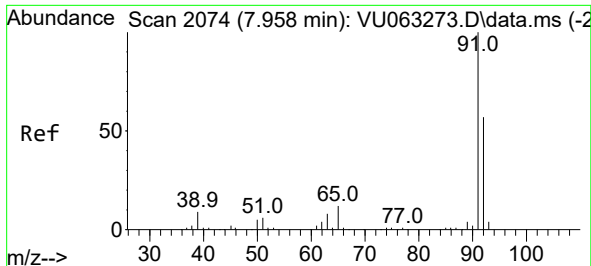
Ion Ratio Lower Upper

43 100

58 42.0 33.1 49.7

100 15.0 11.9 17.9





#42

Toluene

Concen: 5.12 ug/L

RT: 7.958 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

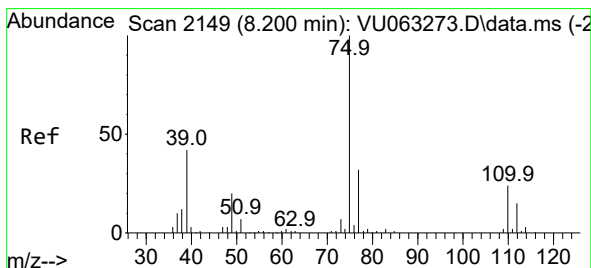
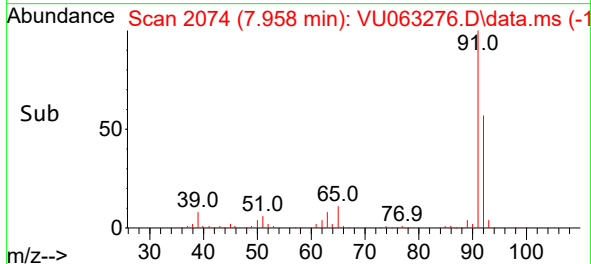
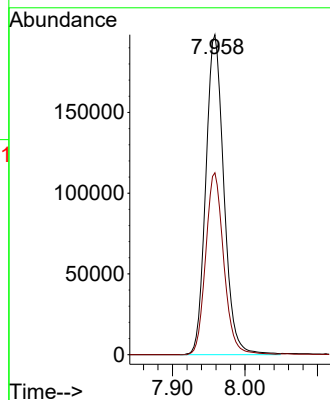
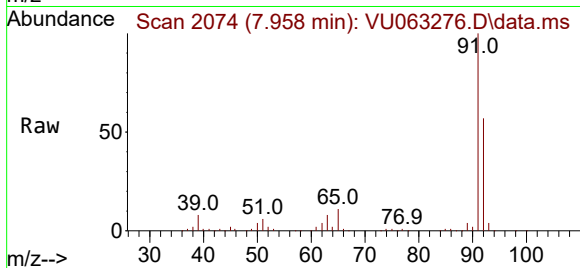
VICV011

Tgt Ion: 91 Resp: 343152

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.04 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063276.D

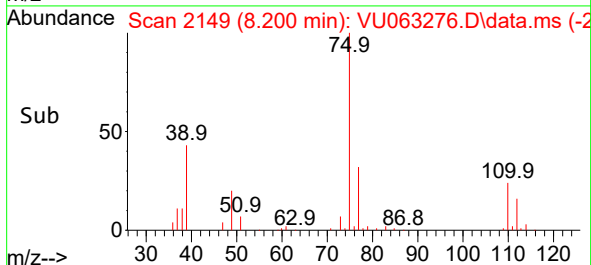
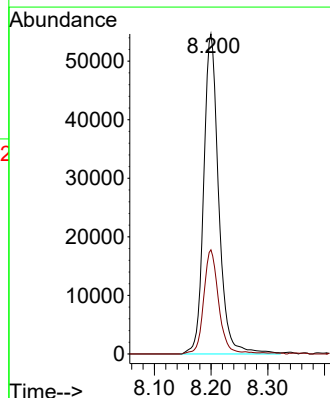
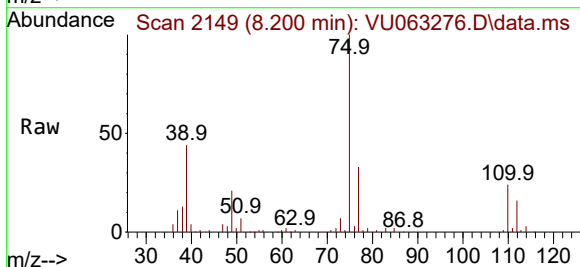
Acq: 21 Feb 2025 15:59

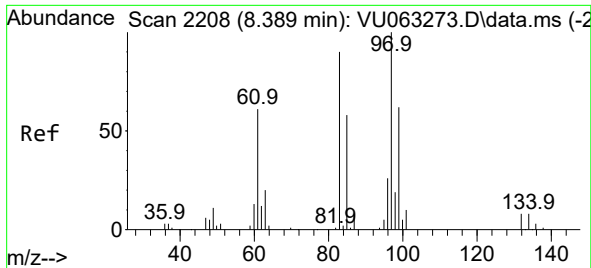
Tgt Ion: 75 Resp: 100488

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1

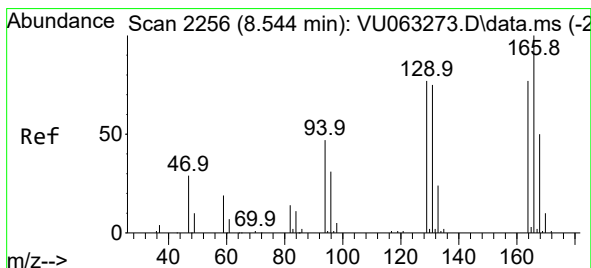
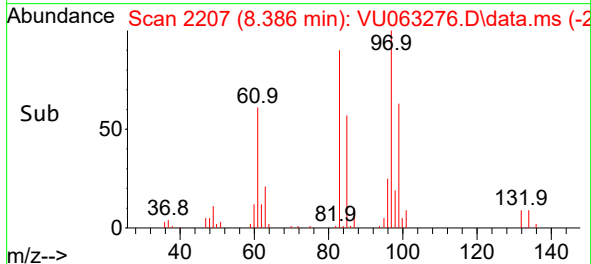
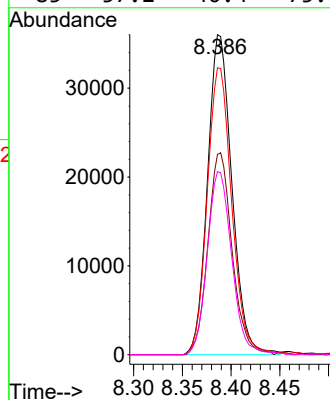
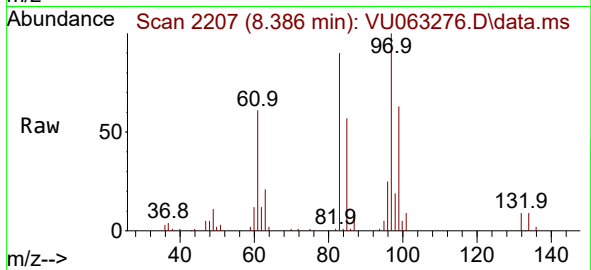




#45
1,1,2-Trichloroethane
Concen: 5.04 ug/L
RT: 8.386 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

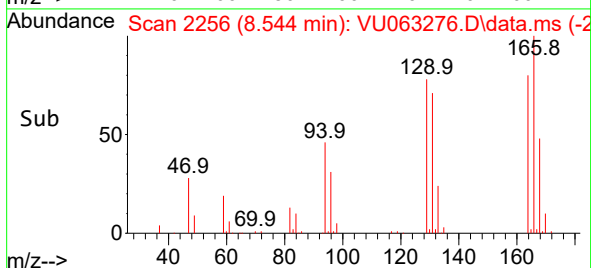
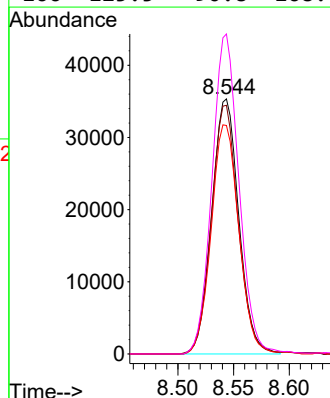
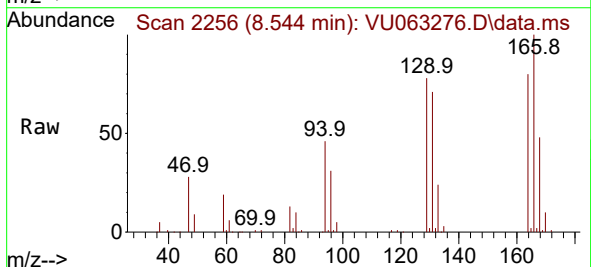
Instrument :
MSVOA_U
ClientSampleId :
VICV011

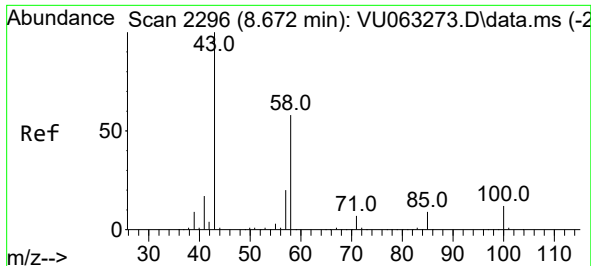
Tgt Ion:	97	Resp:	62835
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.2	80.2
83	89.7	63.0	117.0
85	57.2	40.4	75.0



#47
Tetrachloroethene
Concen: 5.00 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion:	164	Resp:	59653
Ion	Ratio	Lower	Upper
164	100		
129	97.5	69.6	129.2
131	89.6	67.9	126.1
166	125.5	90.8	168.6



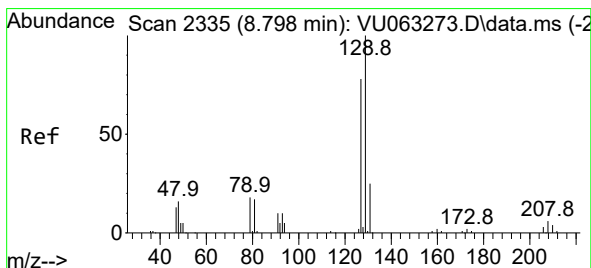
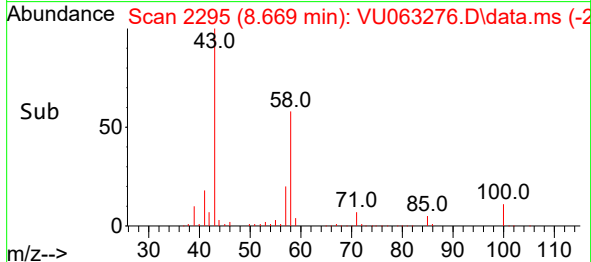
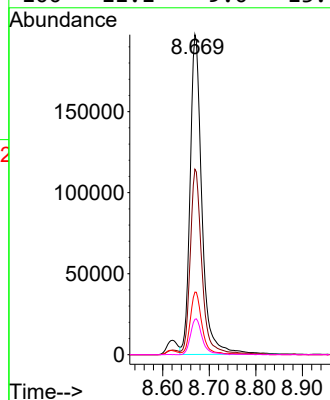
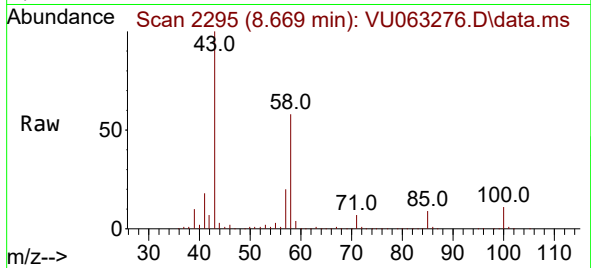


#48
2-Hexanone
Concen: 54.73 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. -0.003 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Instrument :
MSVOA_U
ClientSampleId :
VICV011

Tgt Ion: 43 Resp: 348279

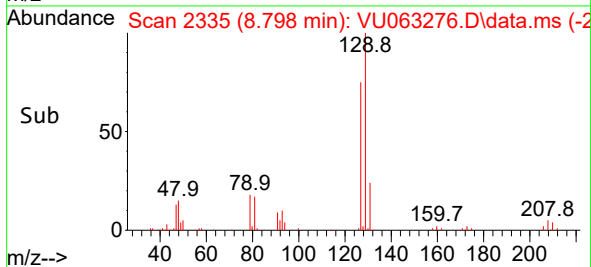
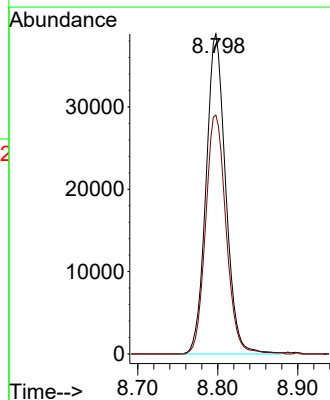
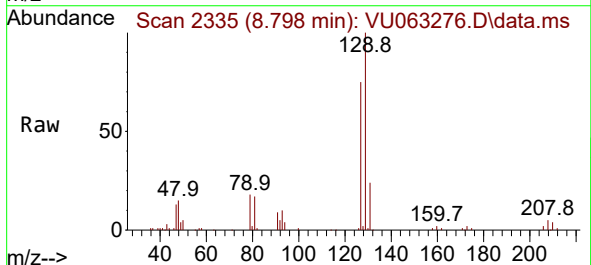
Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.8	68.8
57	18.6	15.5	23.3
100	11.1	9.0	13.4

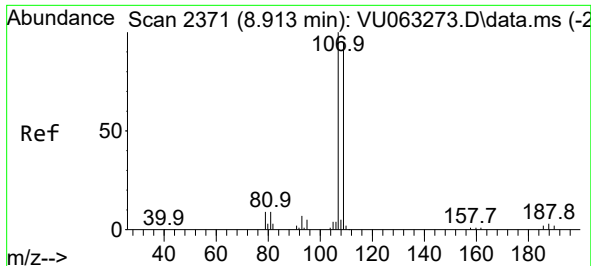


#49
Dibromochloromethane
Concen: 5.01 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion: 129 Resp: 66391

Ion	Ratio	Lower	Upper
129	100		
127	74.7	54.9	102.1

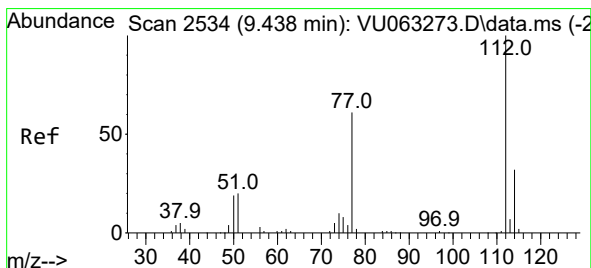
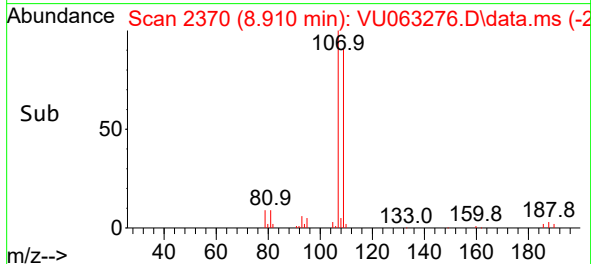
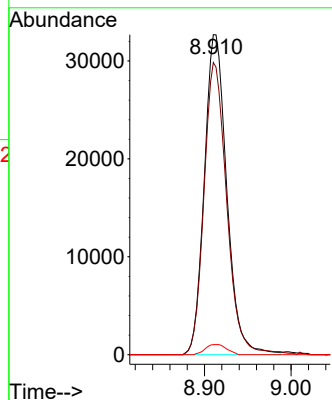
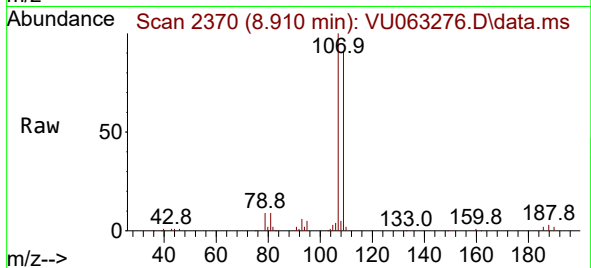




#50
1,2-Dibromoethane
Concen: 5.18 ug/L
RT: 8.910 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

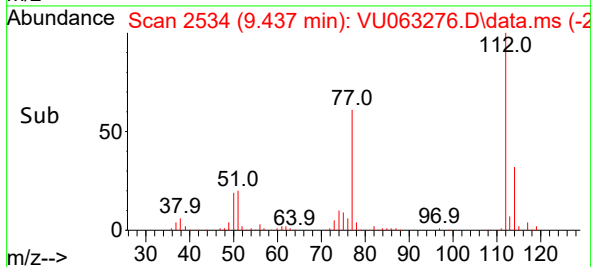
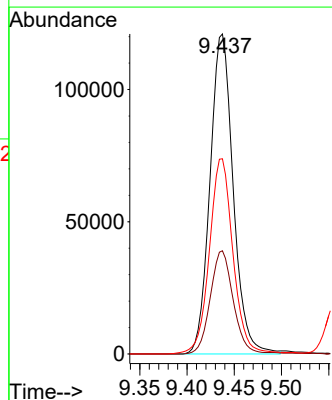
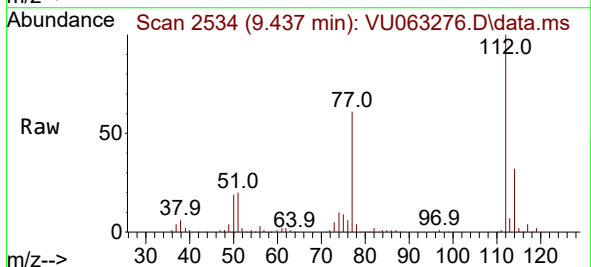
Instrument :
MSVOA_U
ClientSampleId :
VICV011

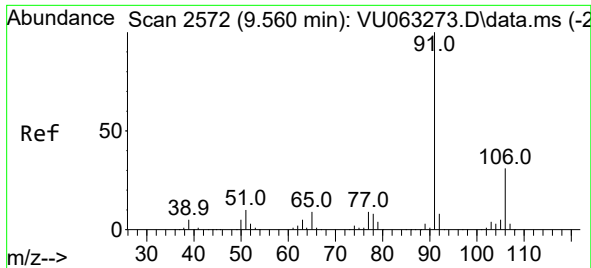
Tgt Ion:107 Resp: 58950
Ion Ratio Lower Upper
107 100
109 91.3 66.6 123.6
188 3.1 2.6 4.0



#51
Chlorobenzene
Concen: 4.98 ug/L
RT: 9.437 min Scan# 2534
Delta R.T. -0.001 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion:112 Resp: 206590
Ion Ratio Lower Upper
112 100
114 32.2 22.2 41.2
77 61.0 49.2 73.8

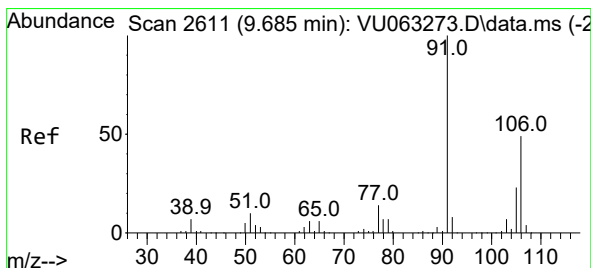
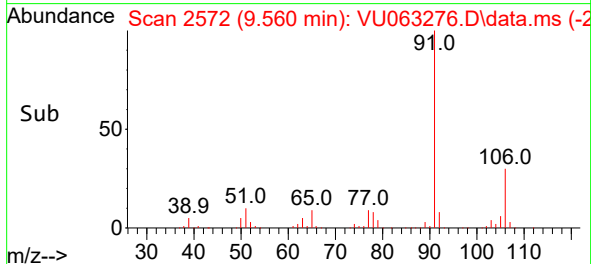
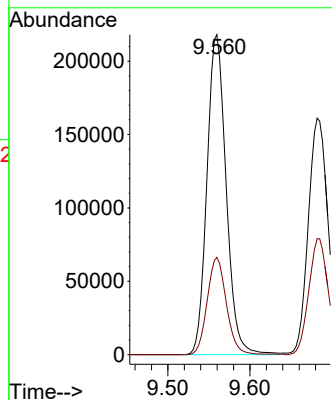
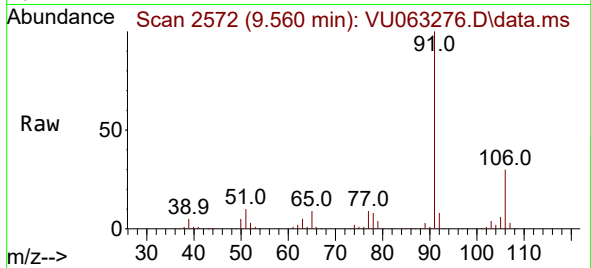




#52
Ethylbenzene
Concen: 5.07 ug/L
RT: 9.560 min Scan# 210
Delta R.T. -0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

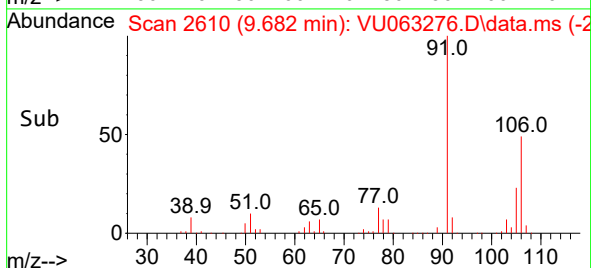
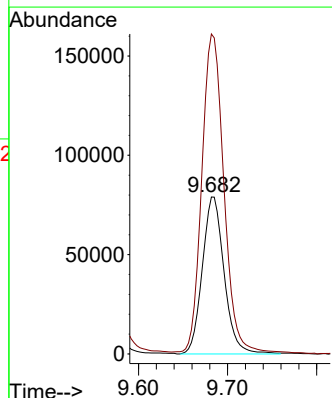
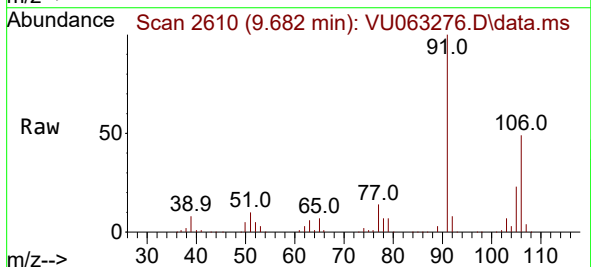
Instrument :
MSVOA_U
ClientSampleId :
VICV011

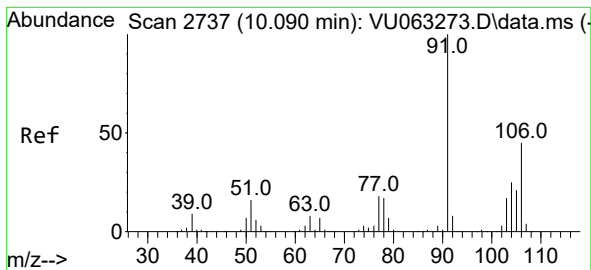
Tgt Ion: 91 Resp: 354942
Ion Ratio Lower Upper
91 100
106 30.4 21.9 40.7



#53
m,p-Xylene
Concen: 5.16 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion: 106 Resp: 134460
Ion Ratio Lower Upper
106 100
91 203.8 143.3 266.1





#54

o-Xylene

Concen: 5.23 ug/L

RT: 10.090 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

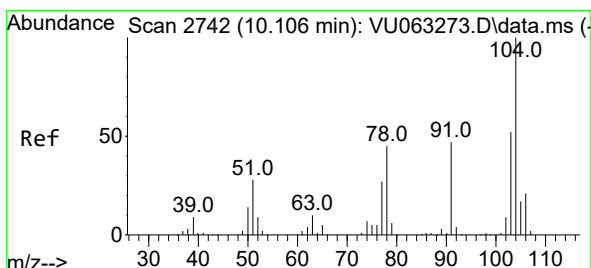
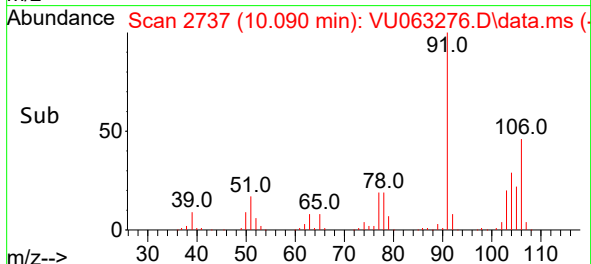
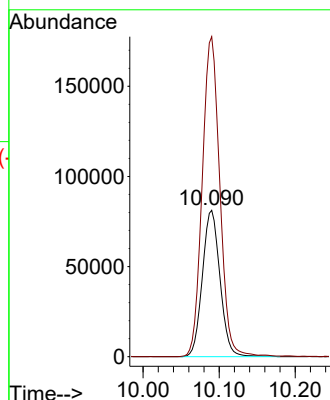
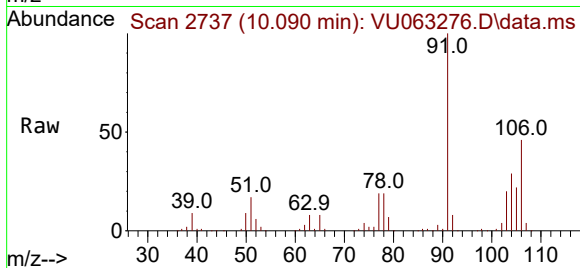
VICV011

Tgt Ion:106 Resp: 130759

Ion Ratio Lower Upper

106 100

91 218.6 155.5 288.9



#55

Styrene

Concen: 5.24 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.003 min

Lab File: VU063276.D

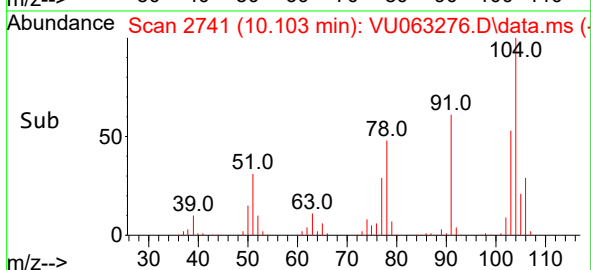
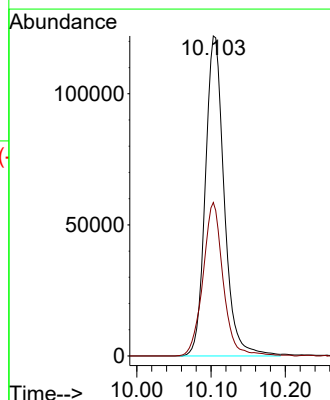
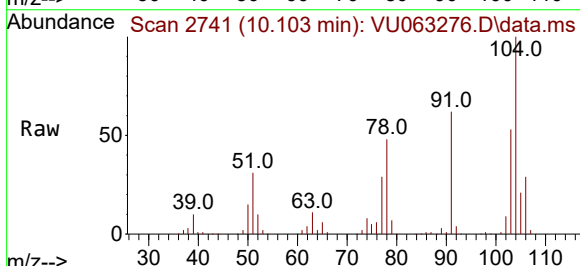
Acq: 21 Feb 2025 15:59

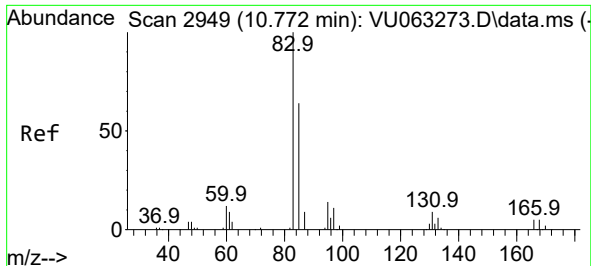
Tgt Ion:104 Resp: 215399

Ion Ratio Lower Upper

104 100

78 48.0 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.04 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

VICV011

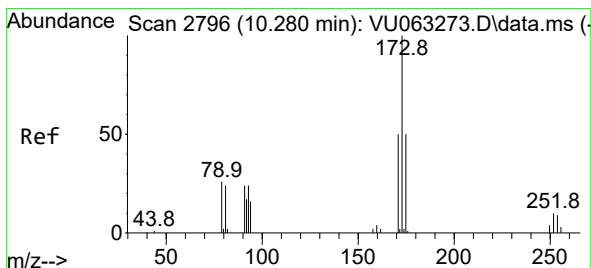
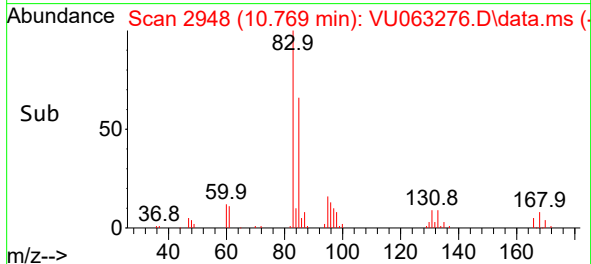
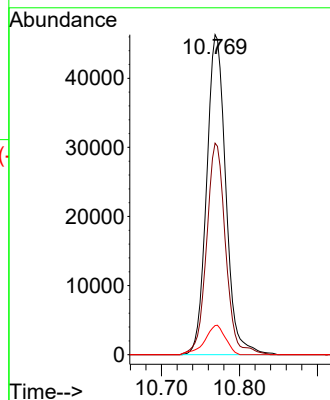
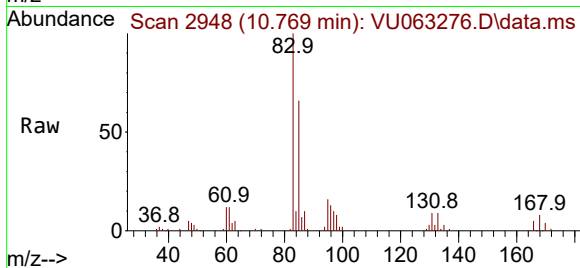
Tgt Ion: 83 Resp: 79100

Ion Ratio Lower Upper

83 100

85 66.1 44.9 83.5

131 9.1 7.2 10.8



#59

Bromoform

Concen: 4.96 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

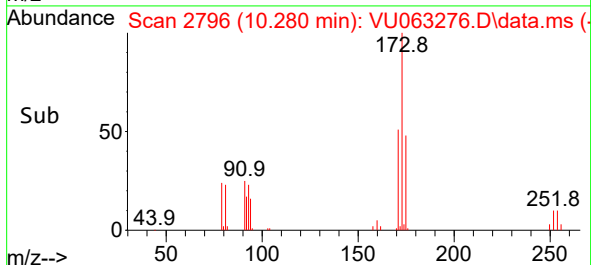
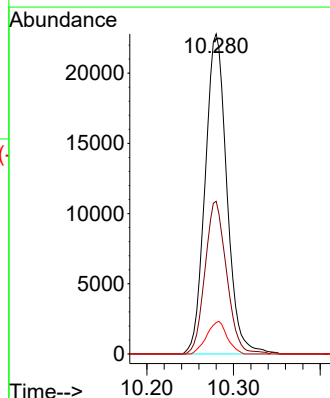
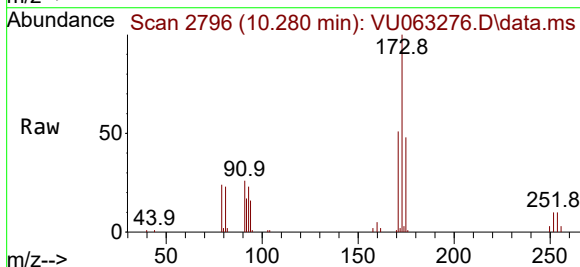
Tgt Ion:173 Resp: 39621

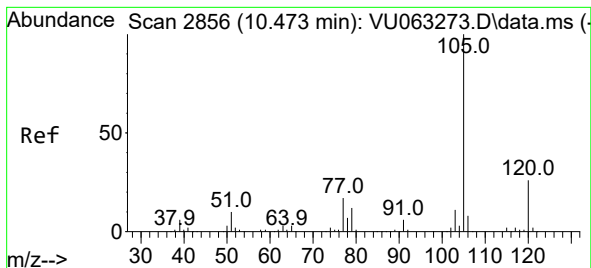
Ion Ratio Lower Upper

173 100

175 47.4 39.4 59.0

254 9.6 7.2 10.8





#60

Isopropylbenzene

Concen: 5.26 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

VICV011

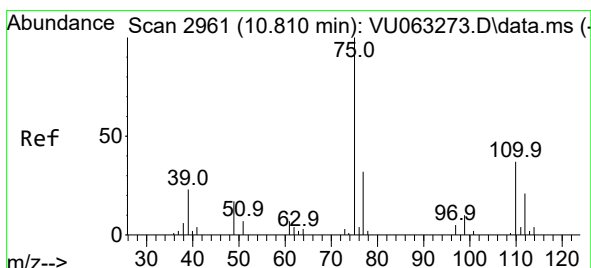
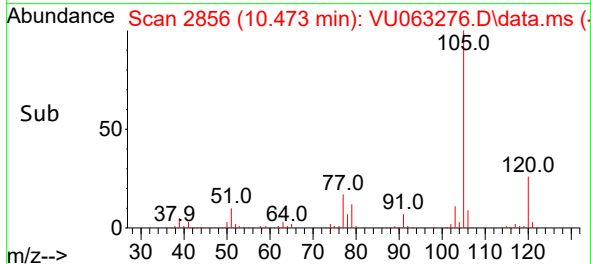
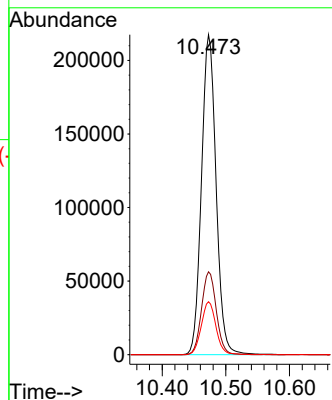
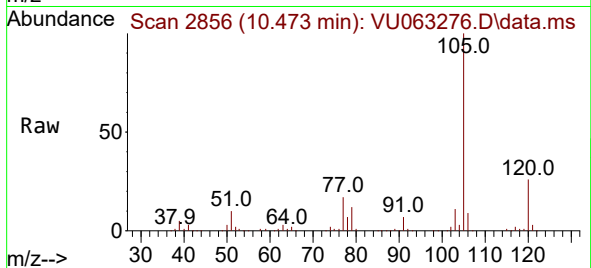
Tgt Ion:105 Resp: 346492

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

77 16.6 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.98 ug/L

RT: 10.810 min Scan# 2961

Delta R.T. 0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

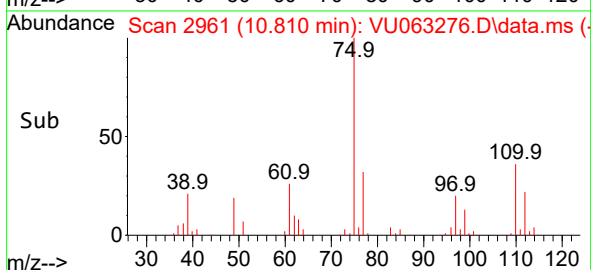
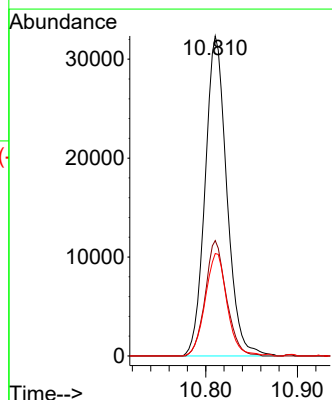
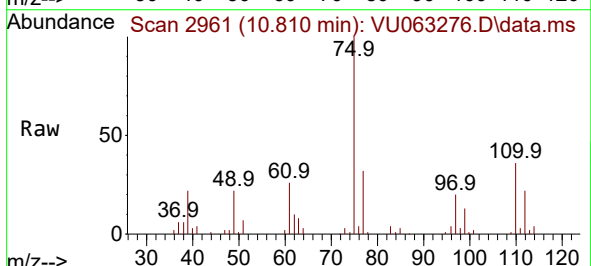
Tgt Ion: 75 Resp: 53168

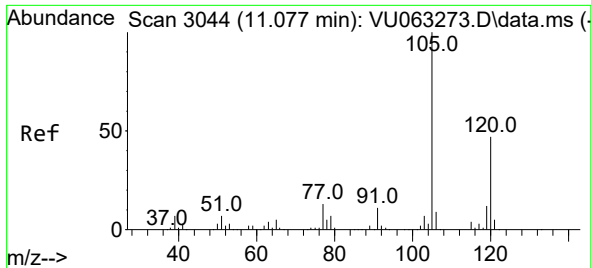
Ion Ratio Lower Upper

75 100

110 35.0 29.3 43.9

77 32.2 25.8 38.8

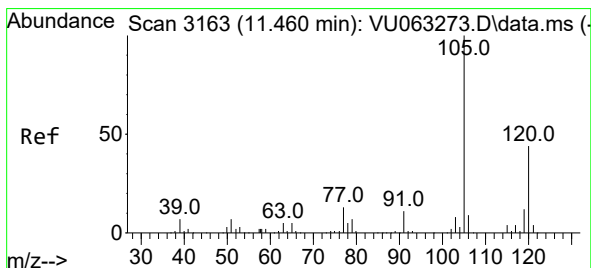
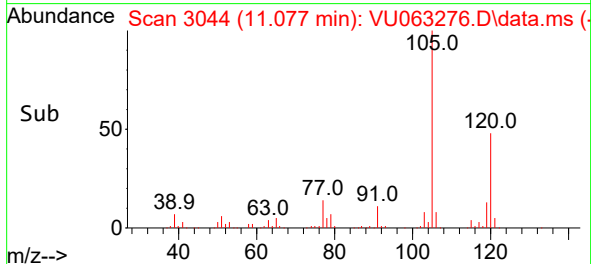
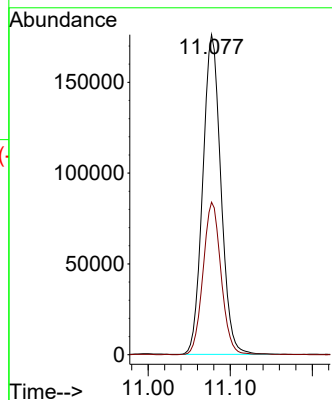
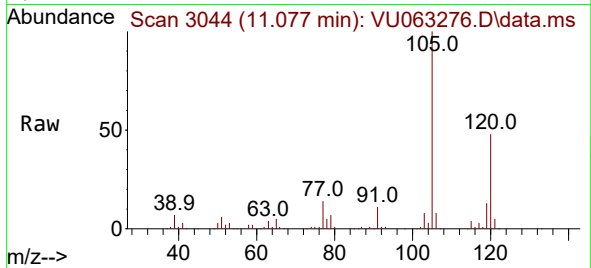




#62
1,3,5-Trimethylbenzene
Concen: 5.28 ug/L
RT: 11.077 min Scan# 3044
Delta R.T. 0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

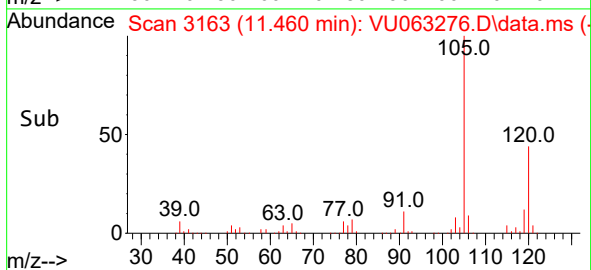
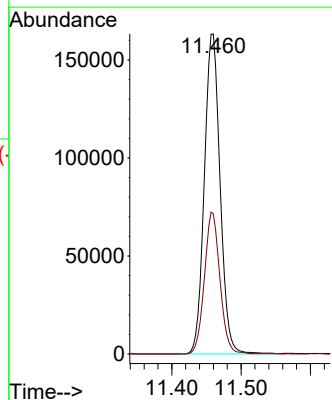
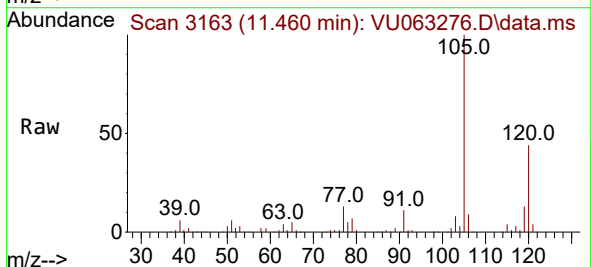
Instrument :
MSVOA_U
ClientSampleId :
VICV011

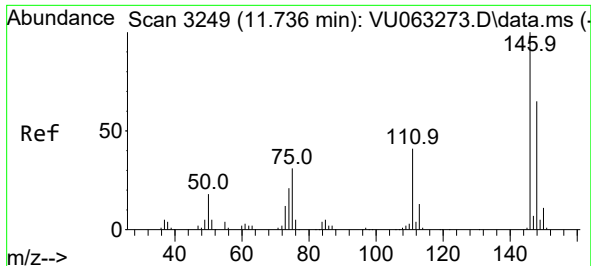
Tgt Ion:105 Resp: 270248
Ion Ratio Lower Upper
105 100
120 47.3 37.5 56.3



#63
1,2,4-Trimethylbenzene
Concen: 5.37 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion:105 Resp: 257892
Ion Ratio Lower Upper
105 100
120 43.4 35.1 52.7

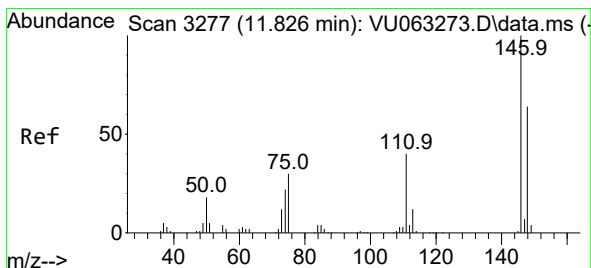
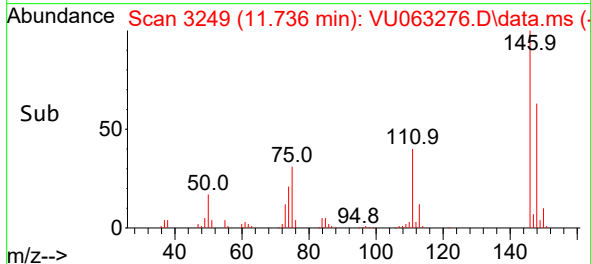
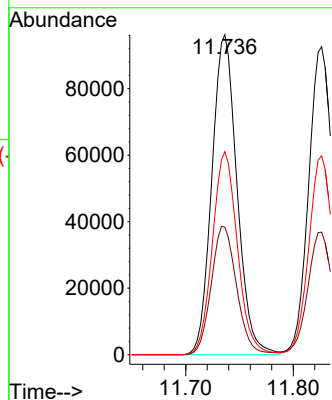
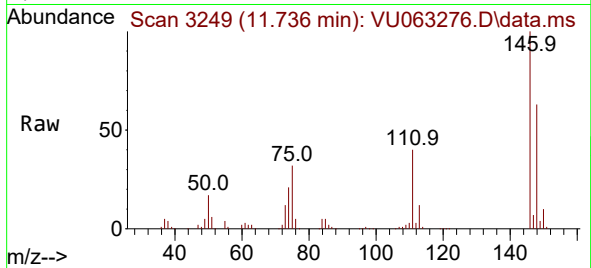




#64
1,3-Dichlorobenzene
Concen: 5.10 ug/L
RT: 11.736 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

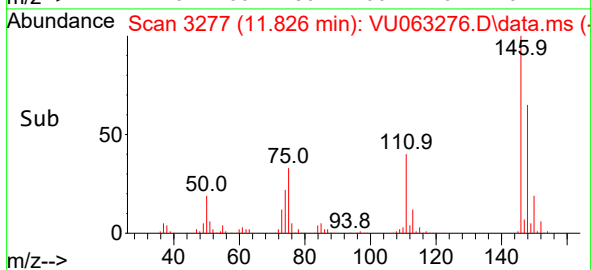
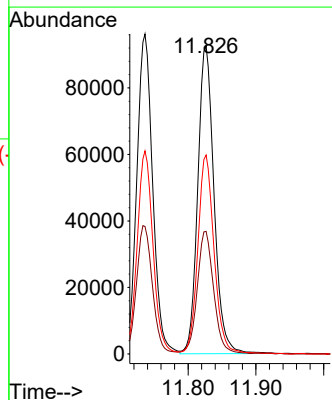
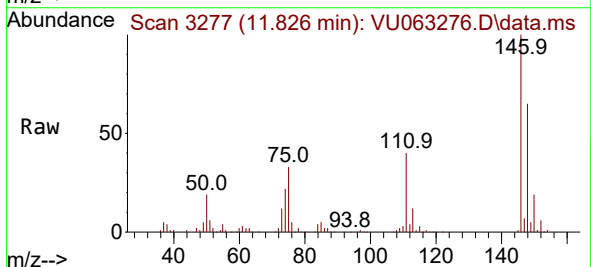
Instrument :
MSVOA_U
ClientSampleId :
VICV011

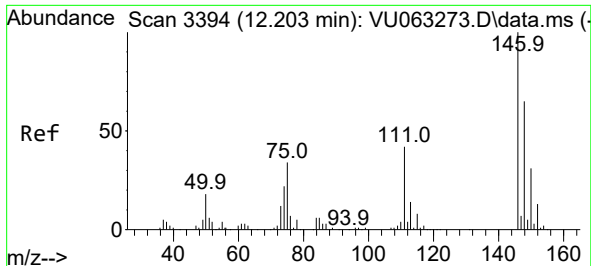
Tgt Ion:146 Resp: 156258
Ion Ratio Lower Upper
146 100
111 39.9 28.5 52.9
148 63.4 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 5.05 ug/L
RT: 11.826 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063276.D
Acq: 21 Feb 2025 15:59

Tgt Ion:146 Resp: 154214
Ion Ratio Lower Upper
146 100
111 39.8 28.3 52.5
148 64.6 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.09 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

VICV011

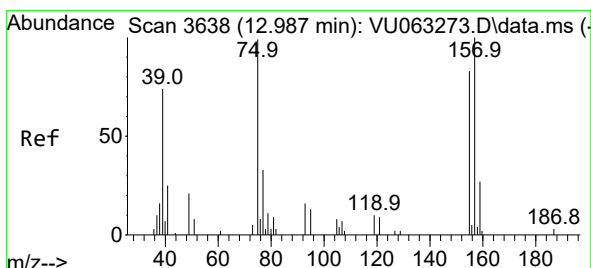
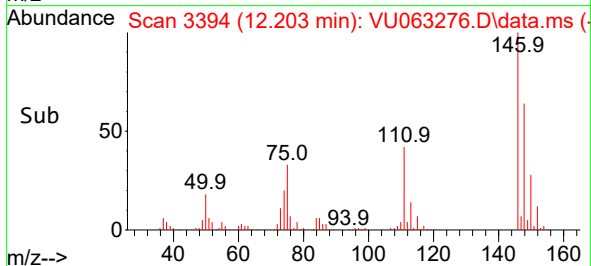
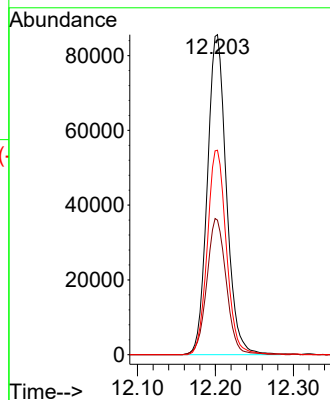
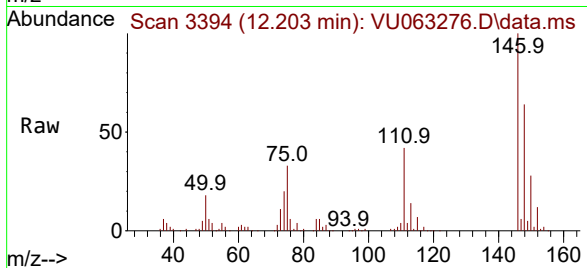
Tgt Ion:146 Resp: 145482

Ion Ratio Lower Upper

146 100

111 42.1 33.9 50.9

148 63.9 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.22 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

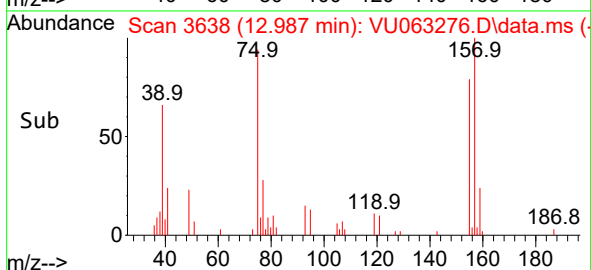
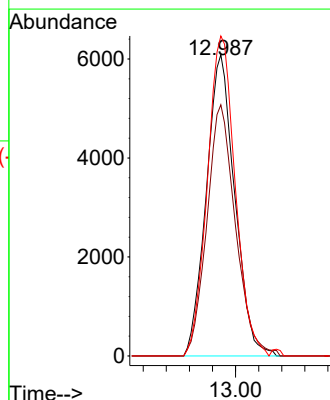
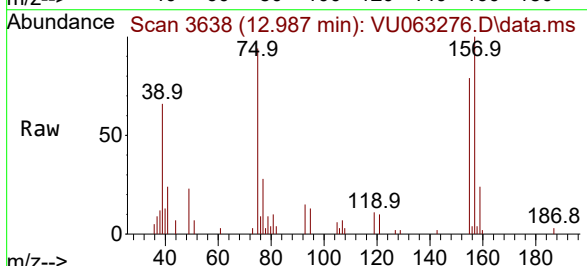
Tgt Ion: 75 Resp: 10416

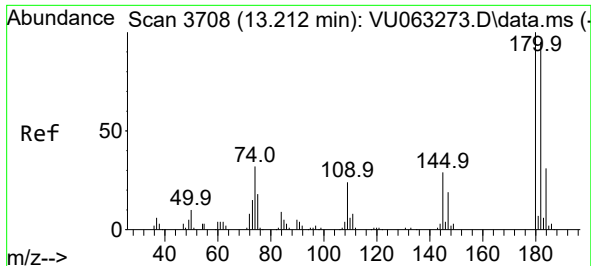
Ion Ratio Lower Upper

75 100

155 83.4 67.0 100.6

157 106.2 80.9 121.3





#69

1,3,5-Trichlorobenzene

Concen: 5.03 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

VICV011

Tgt Ion:180 Resp: 106393

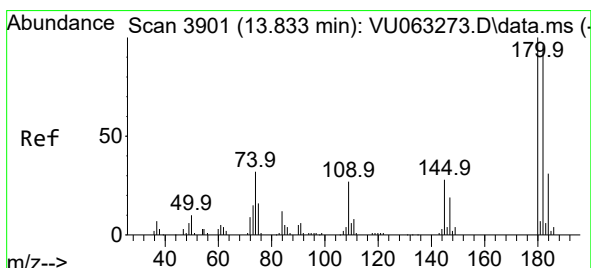
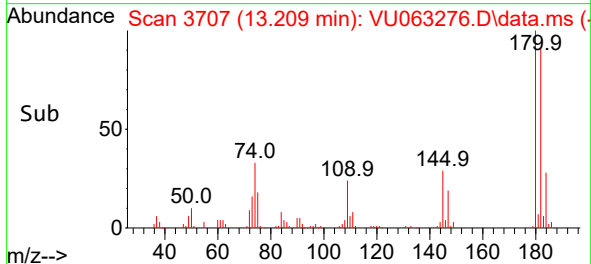
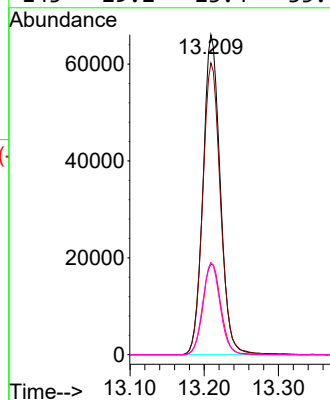
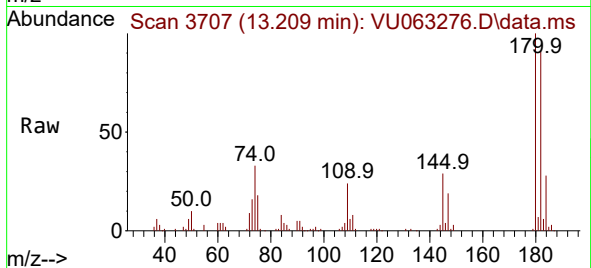
Ion Ratio Lower Upper

180 100

182 93.9 77.6 116.4

184 29.5 24.7 37.1

145 29.2 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 5.29 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

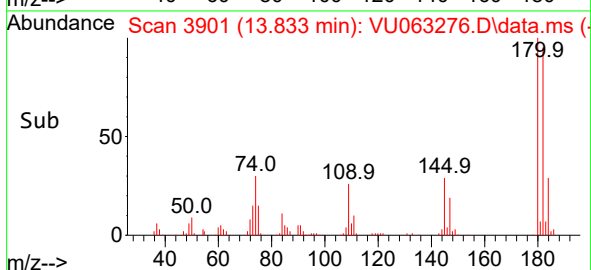
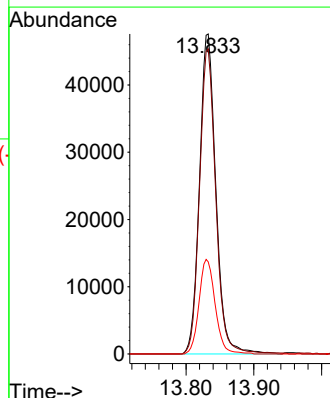
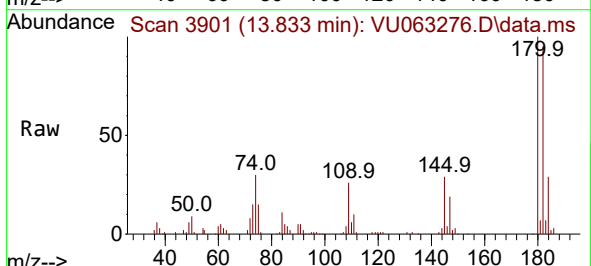
Tgt Ion:180 Resp: 80105

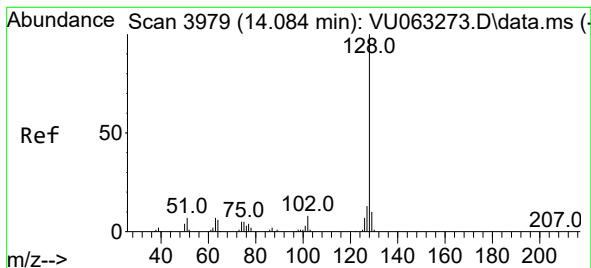
Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.8

145 29.1 23.8 35.8





#71

Naphthalene

Concen: 5.92 ug/L

RT: 14.080 min Scan# 3979

Delta R.T. -0.004 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Instrument :

MSVOA_U

ClientSampleId :

VICV011

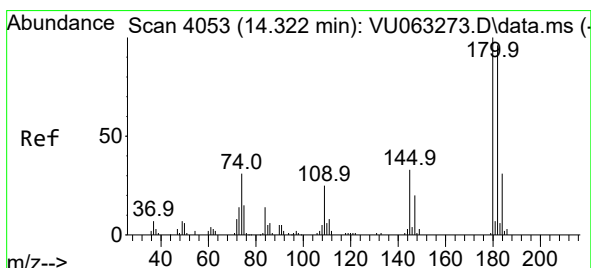
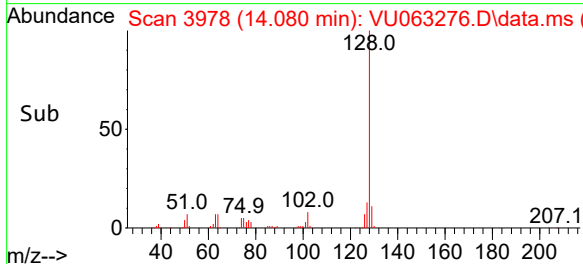
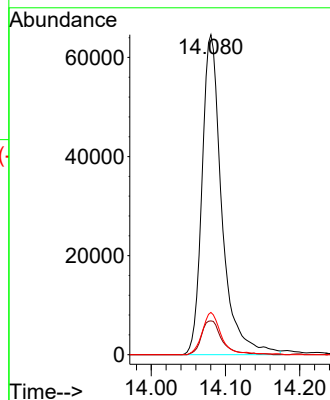
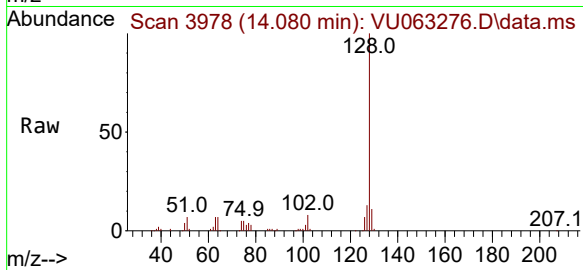
Tgt Ion:128 Resp: 119807

Ion Ratio Lower Upper

128 100

129 10.9 8.1 12.1

127 12.2 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.32 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU063276.D

Acq: 21 Feb 2025 15:59

Tgt Ion:180 Resp: 69109

Ion Ratio Lower Upper

180 100

182 98.7 76.7 115.1

145 32.0 25.5 38.3

