

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120224\
 Data File : VU062073.D
 Acq On : 02 Dec 2024 16:03
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 03 00:26:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 03 00:21:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	124420	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	117483	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	61441	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	23799	3.900	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.911	69	20152	3.733	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.560	65	10597	4.346	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	4.628	46	77447	40.411	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.820%
24) Chloroform-d	5.055	84	66940	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.695	65	33814	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	5.718	84	108306	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	6.682	67	36538	4.698	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.891	98	95155	4.984	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	8.174	79	14919	5.181	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.627	63	52395	39.867	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.740%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	32505	4.182	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	40793	4.490	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	55531	5.101	ug/L	99
3) Chloromethane	1.518	50	46777	4.169	ug/L	98
5) Vinyl chloride	1.602	62	48578	4.214	ug/L	100
6) Bromomethane	1.856	94	30497	4.444	ug/L	98
8) Chloroethane	1.933	64	26456	3.559	ug/L	99
9) Trichlorofluoromethane	2.136	101	78699	5.397	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	43820	4.884	ug/L	92
12) 1,1-Dichloroethene	2.573	96	38211	4.580	ug/L	95
13) Acetone	2.647	43	61323	46.344	ug/L	96
14) Carbon disulfide	2.788	76	118914	4.480	ug/L	99
15) Methyl Acetate	2.956	43	14427	4.246	ug/L	97
16) Methylene chloride	3.039	84	42285	4.221	ug/L	92
17) Methyl tert-butyl Ether	3.354	73	102914	4.812	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	41611	4.718	ug/L	93
19) 1,1-Dichloroethane	3.859	63	78190	4.551	ug/L	100
21) 2-Butanone	4.708	43	90143	42.151	ug/L	93
22) cis-1,2-Dichloroethene	4.656	96	47000	4.735	ug/L	95
23) Bromochloromethane	4.968	128	20148	4.669	ug/L	91
25) Chloroform	5.078	83	87228	4.857	ug/L	98

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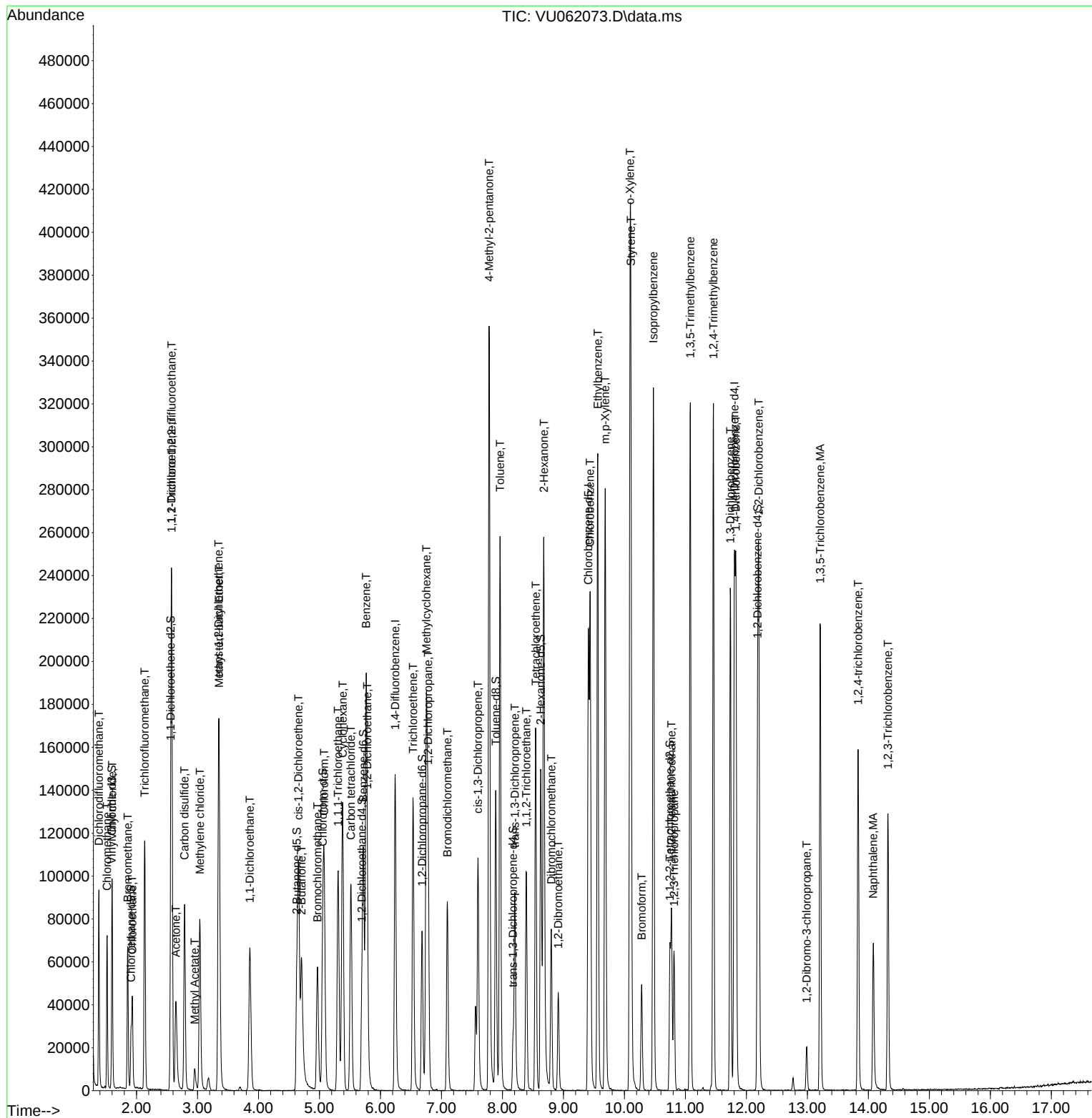
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	52276	4.524	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	78290	5.781	ug/L	95
30) Cyclohexane	5.380	56	69881	4.934	ug/L	97
31) Carbon tetrachloride	5.515	117	71317	6.202	ug/L	97
33) Benzene	5.766	78	176531	4.976	ug/L	100
34) Trichloroethene	6.534	95	50365	5.319	ug/L	99
35) Methylcyclohexane	6.753	83	74264	5.127	ug/L	99
37) 1,2-Dichloropropane	6.782	63	46381	5.032	ug/L	100
38) Bromodichloromethane	7.097	83	59187	5.294	ug/L	97
39) cis-1,3-Dichloropropene	7.598	75	69442	5.373	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	222745	44.786	ug/L	95
42) Toluene	7.962	91	192633	5.174	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	57193	5.572	ug/L	98
45) 1,1,2-Trichloroethane	8.389	97	32619	4.803	ug/L	96
47) Tetrachloroethene	8.547	164	37773	5.485	ug/L	96
48) 2-Hexanone	8.679	43	159405	42.797	ug/L #	93
49) Dibromochloromethane	8.801	129	39098	5.450	ug/L	95
50) 1,2-Dibromoethane	8.917	107	31452	4.667	ug/L	96
51) Chlorobenzene	9.438	112	122561	4.806	ug/L	99
52) Ethylbenzene	9.563	91	217217	4.875	ug/L	97
53) m,p-Xylene	9.685	106	81835	5.205	ug/L	96
54) o-Xylene	10.094	106	78085	4.920	ug/L	98
55) Styrene	10.106	104	129306	4.946	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.772	83	40059	4.603	ug/L	100
59) Bromoform	10.283	173	23570	5.160	ug/L	97
60) Isopropylbenzene	10.476	105	216275	4.514	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	28430	4.002	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	179840	4.706	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	179184	4.703	ug/L	98
64) 1,3-Dichlorobenzene	11.737	146	96411	4.533	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	93549	4.545	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	87155	4.712	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	6084	5.019	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	68216	5.391	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	49715	5.126	ug/L	96
71) Naphthalene	14.081	128	61785	3.952	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	40582	4.858	ug/L	99

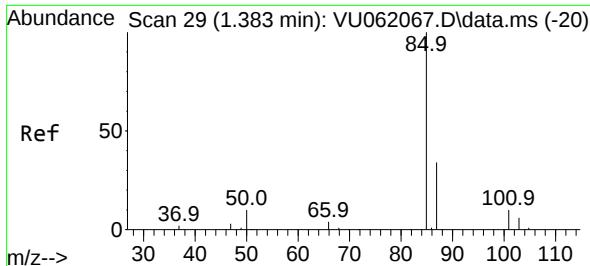
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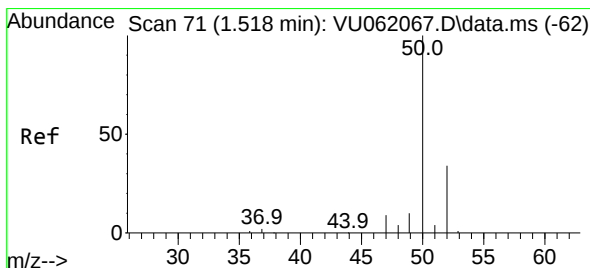
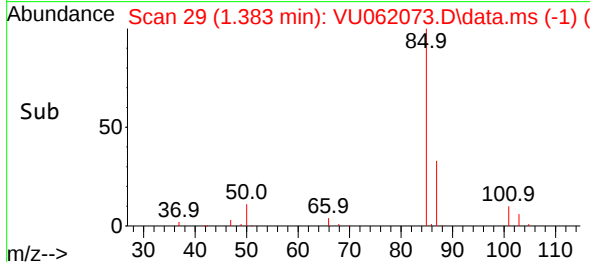
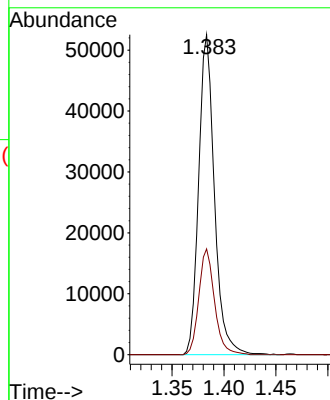
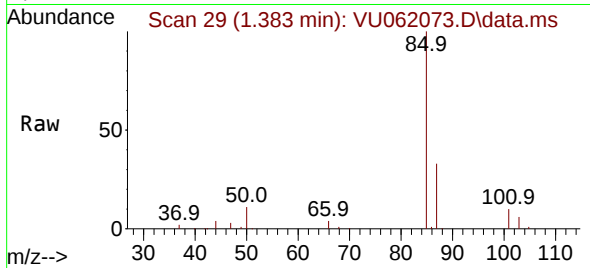




#2
Dichlorodifluoromethane
Concen: 5.101 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

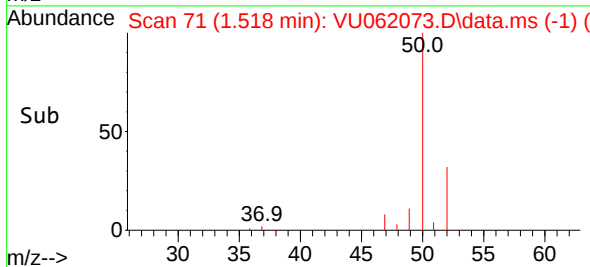
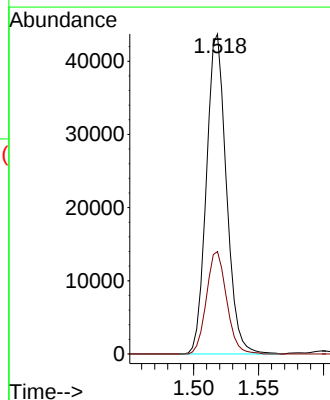
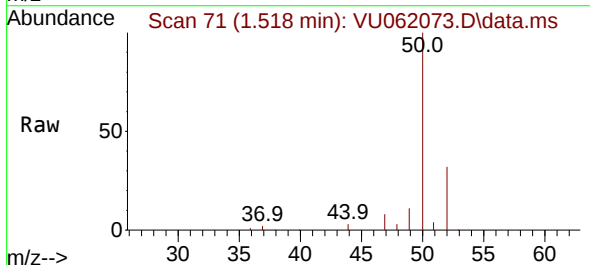
Instrument :
MSVOA_U
ClientSampleId :

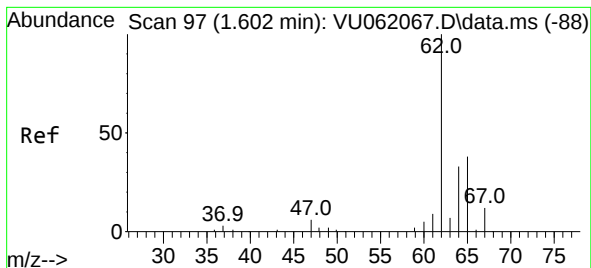
Tgt Ion: 85 Resp: 55531
Ion Ratio Lower Upper
85 100
87 32.9 26.6 40.0



#3
Chloromethane
Concen: 4.169 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

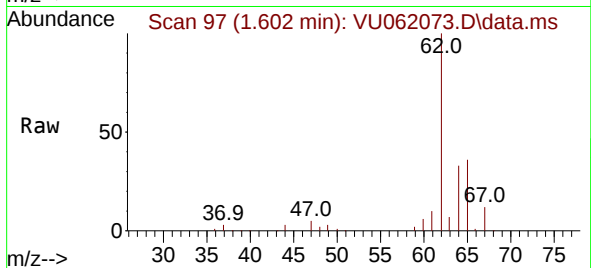
Tgt Ion: 50 Resp: 46777
Ion Ratio Lower Upper
50 100
52 32.0 23.1 42.9



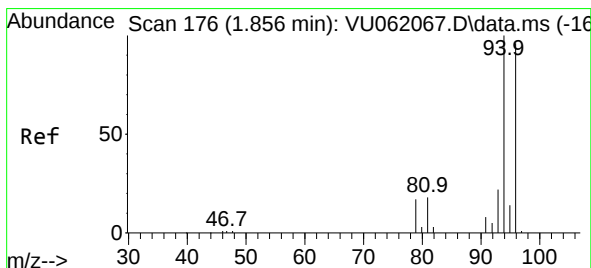
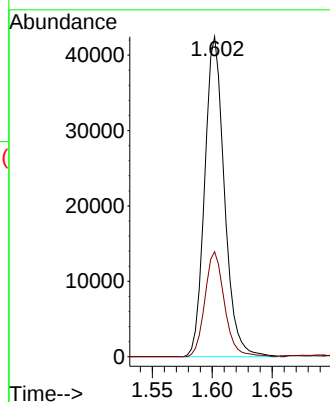
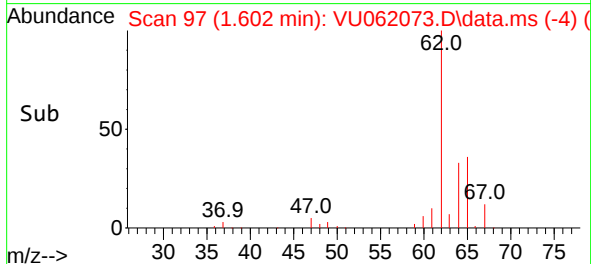


#5
Vinyl chloride
Concen: 4.214 ug/L
RT: 1.602 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Instrument :
MSVOA_U
ClientSampleId :

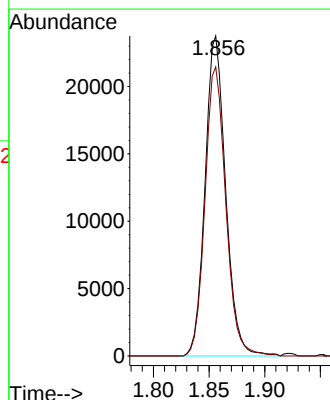
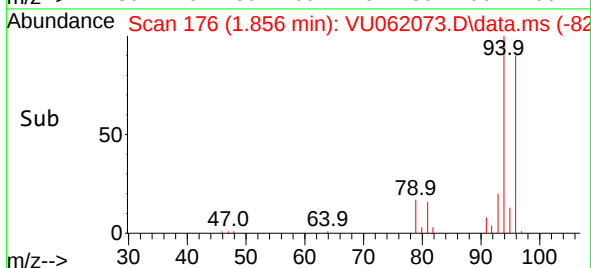
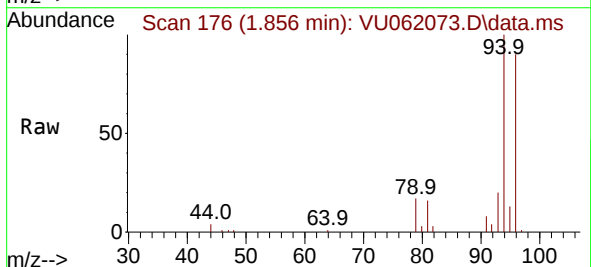


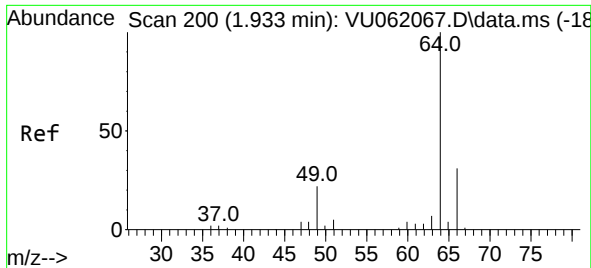
Tgt Ion: 62 Resp: 48578
Ion Ratio Lower Upper
62 100
64 32.8 23.1 42.9



#6
Bromomethane
Concen: 4.444 ug/L
RT: 1.856 min Scan# 176
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion: 94 Resp: 30497
Ion Ratio Lower Upper
94 100
96 90.4 64.5 119.9

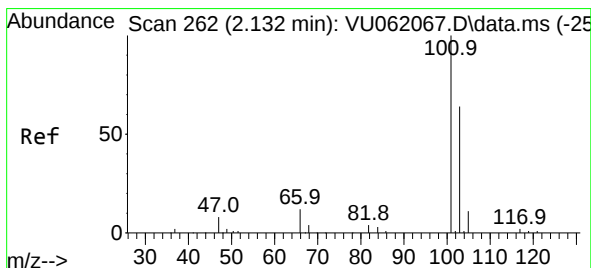
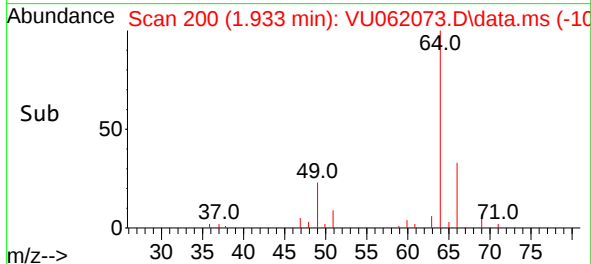
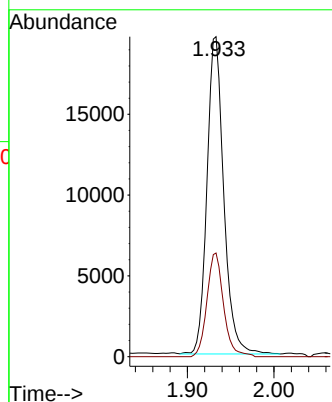
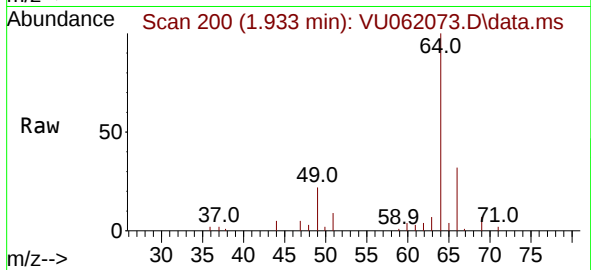




#8
Chloroethane
Concen: 3.559 ug/L
RT: 1.933 min Scan# 20
Delta R.T. 0.006 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

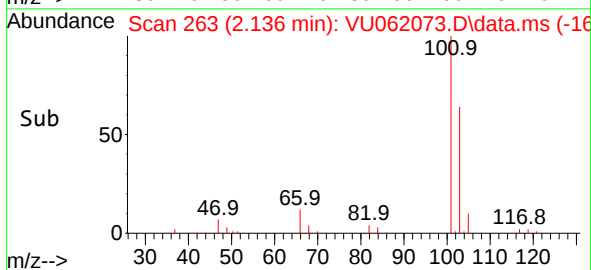
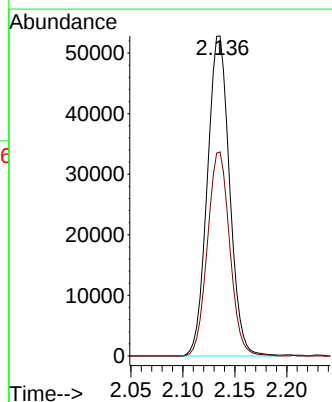
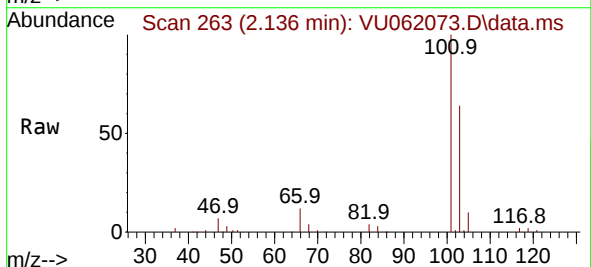
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MSVOA_U
ClientSampleId :

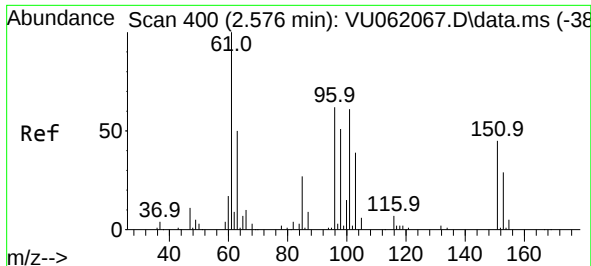
Tgt Ion: 64 Resp: 26456
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.397 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion:101 Resp: 78699
Ion Ratio Lower Upper
101 100
103 63.8 50.6 75.8

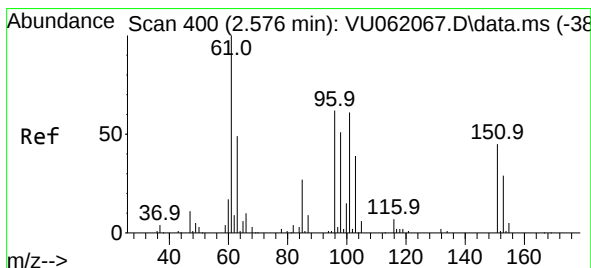
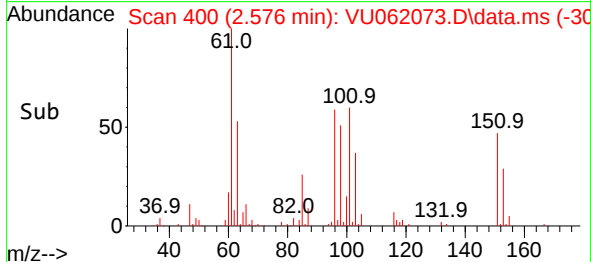
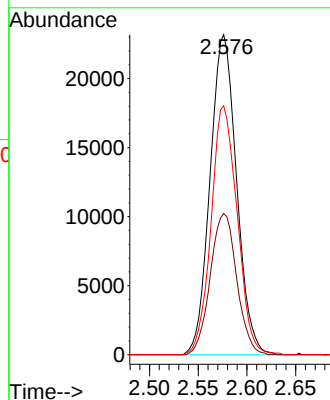
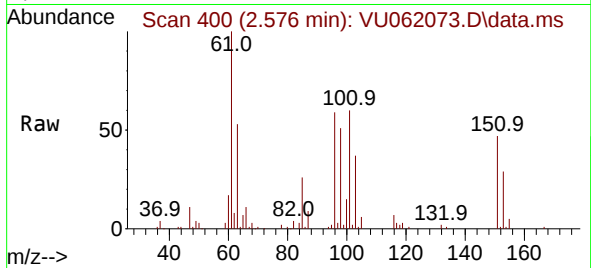




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.884 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU062073.D
 Acq: 02 Dec 2024 16:03

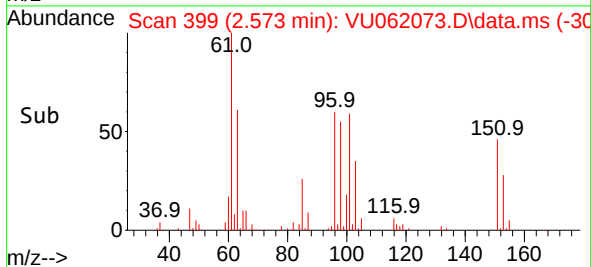
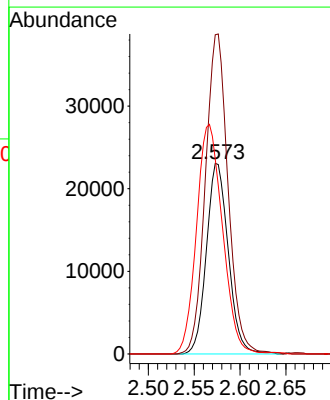
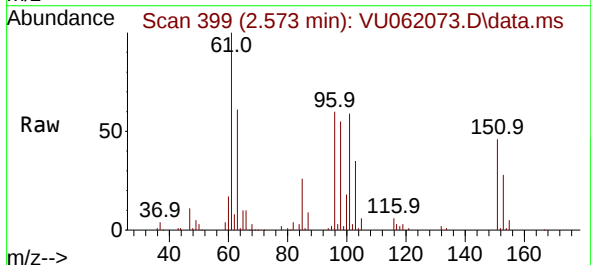
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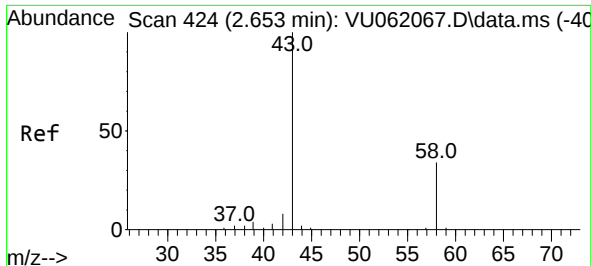
Tgt Ion:101 Resp: 43820
 Ion Ratio Lower Upper
 101 100
 85 44.0 38.0 57.0
 151 76.8 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 4.580 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062073.D
 Acq: 02 Dec 2024 16:03

Tgt Ion: 96 Resp: 38211
 Ion Ratio Lower Upper
 96 100
 61 167.5 119.6 222.2
 63 102.4 65.0 120.6





#13

Acetone

Concen: 46.344 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.019 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

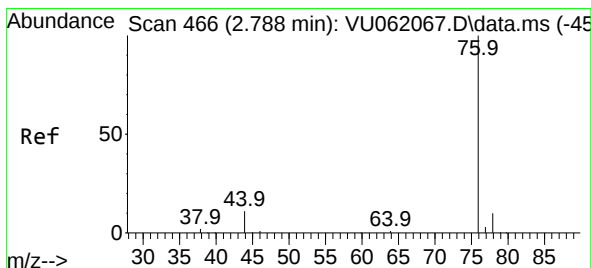
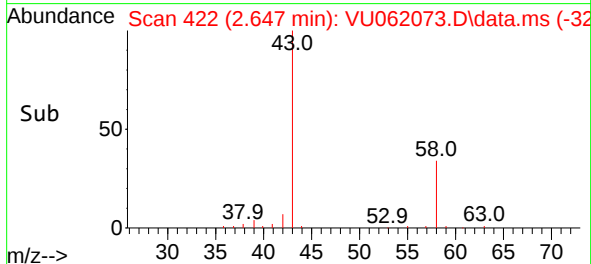
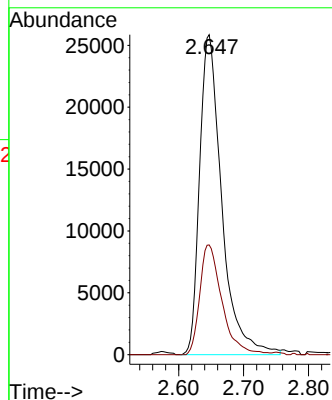
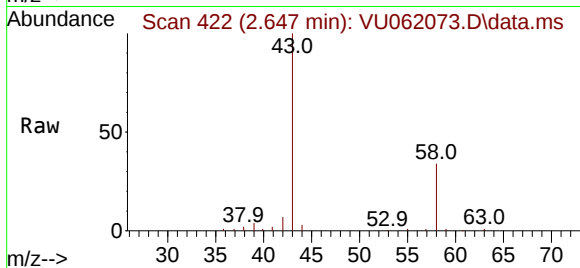
ClientSampleId :

Tgt Ion: 43 Resp: 61323

Ion Ratio Lower Upper

43 100

58 34.4 0.0 64.0



#14

Carbon disulfide

Concen: 4.480 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU062073.D

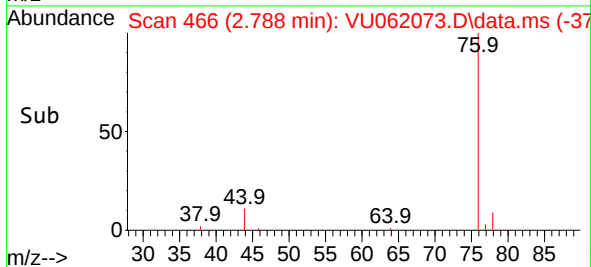
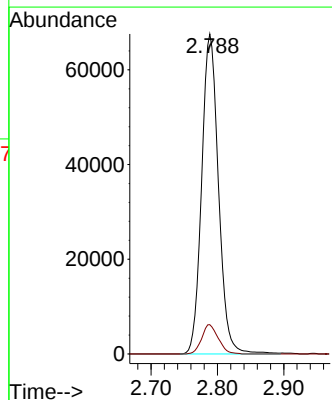
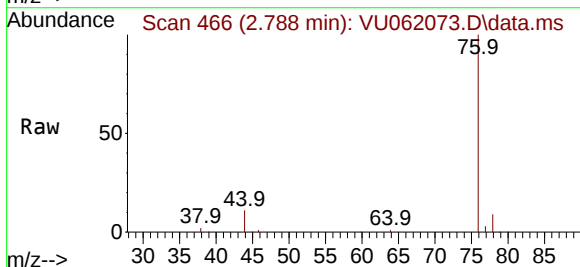
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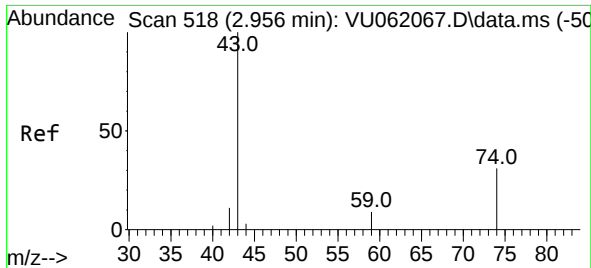
Tgt Ion: 76 Resp: 118914

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

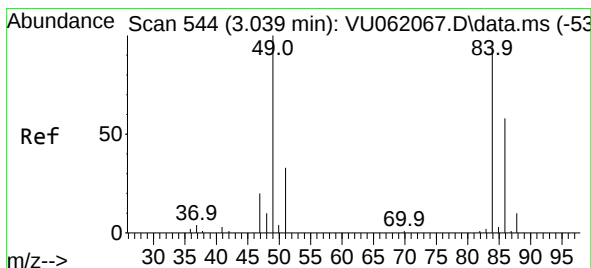
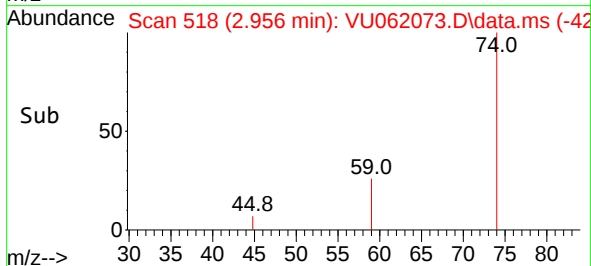
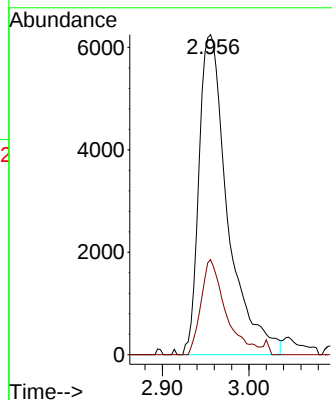
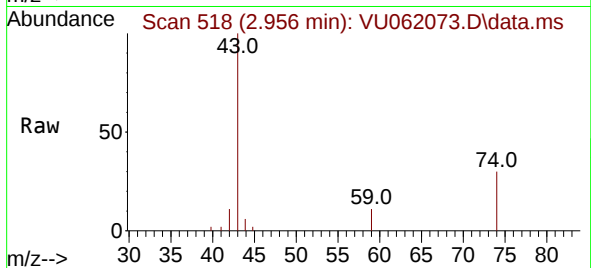




#15
Methyl Acetate
Concen: 4.246 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.006 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

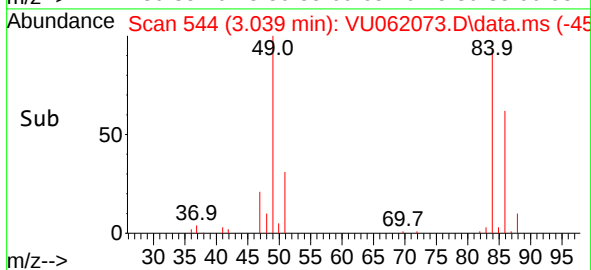
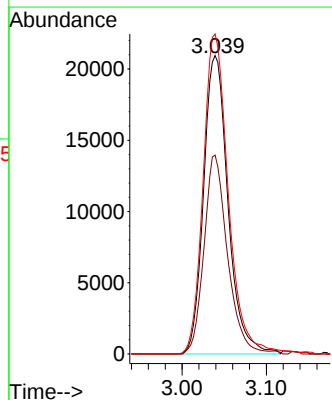
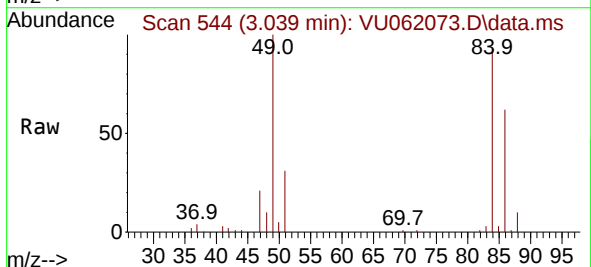
Instrument :
MSVOA_U
ClientSampleId :

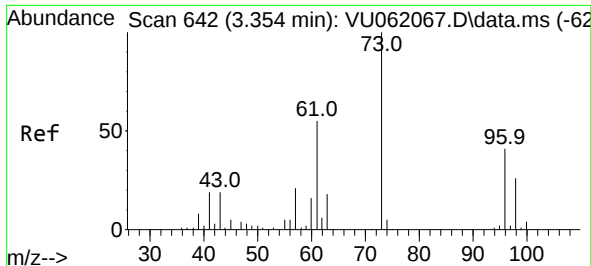
Tgt Ion: 43 Resp: 14427
Ion Ratio Lower Upper
43 100
74 25.6 19.4 29.2



#16
Methylene chloride
Concen: 4.221 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion: 84 Resp: 42285
Ion Ratio Lower Upper
84 100
86 66.6 43.5 80.7
49 107.3 81.9 152.1





#17

Methyl tert-butyl Ether

Concen: 4.812 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

ClientSampleId :

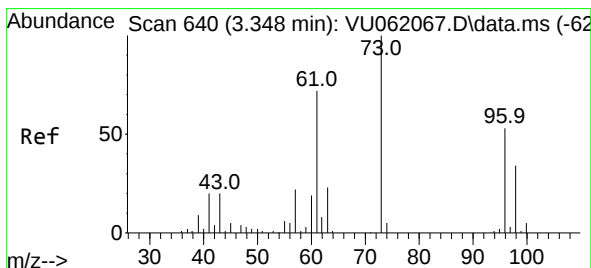
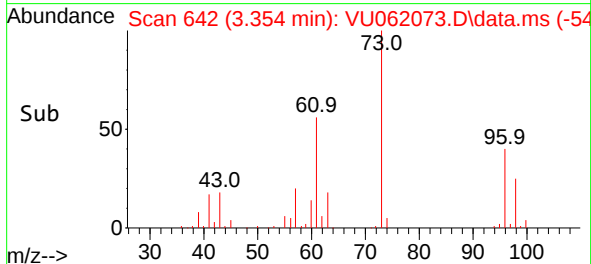
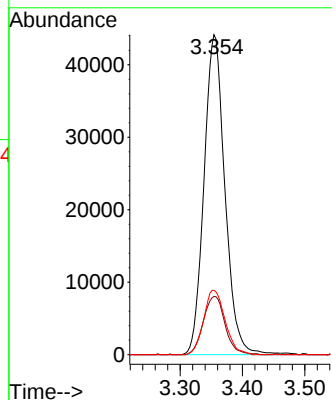
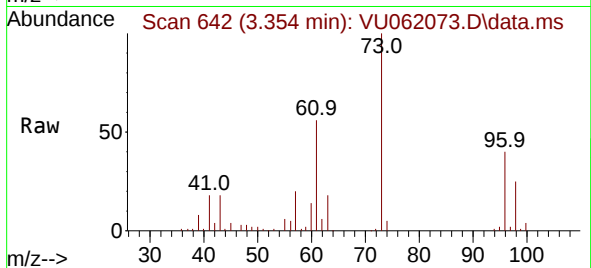
Tgt Ion: 73 Resp: 102914

Ion Ratio Lower Upper

73 100

43 18.9 16.3 24.5

57 20.7 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.718 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

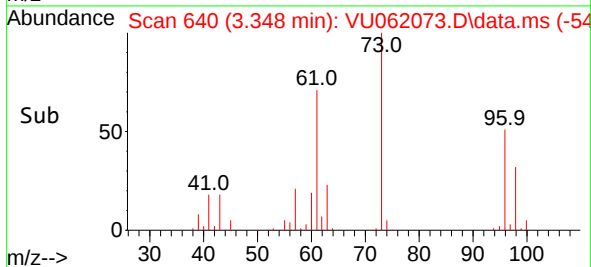
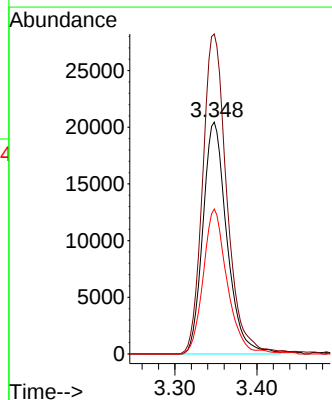
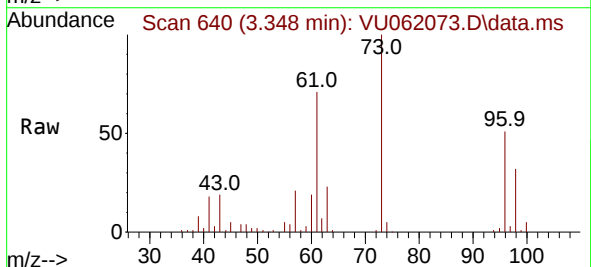
Tgt Ion: 96 Resp: 41611

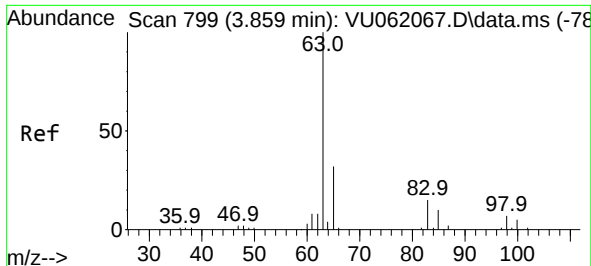
Ion Ratio Lower Upper

96 100

61 138.0 104.2 193.4

98 62.5 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.551 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU062073.D

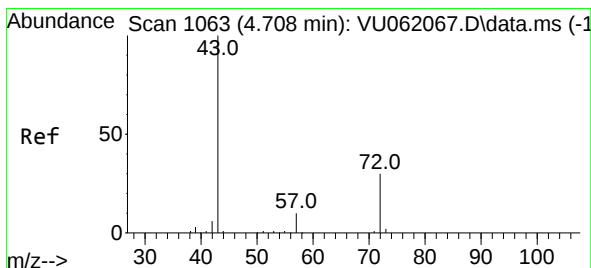
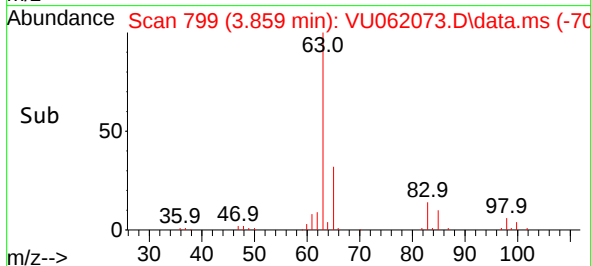
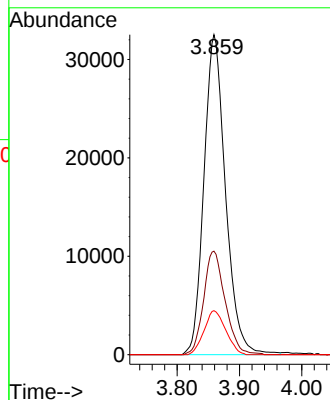
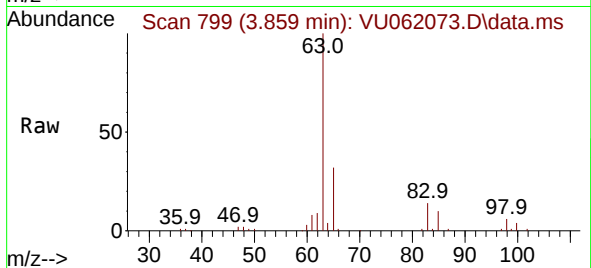
Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	78190
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.7	42.3
83	13.7	9.9	18.3



#21

2-Butanone

Concen: 42.151 ug/L

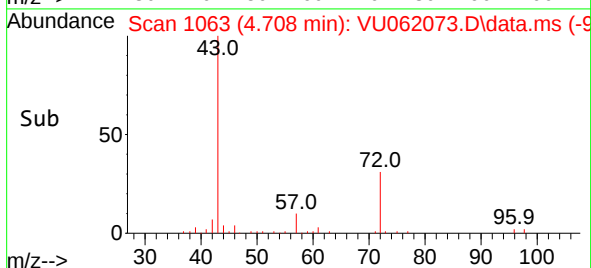
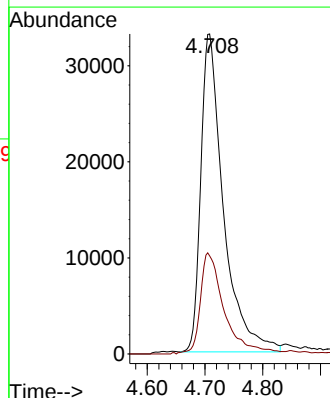
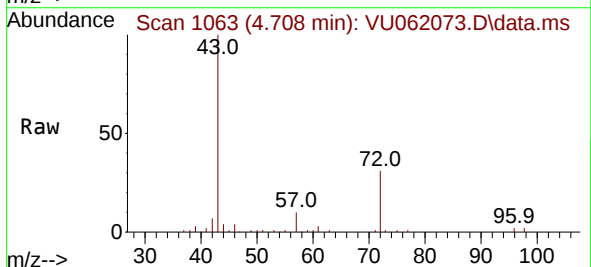
RT: 4.708 min Scan# 1063

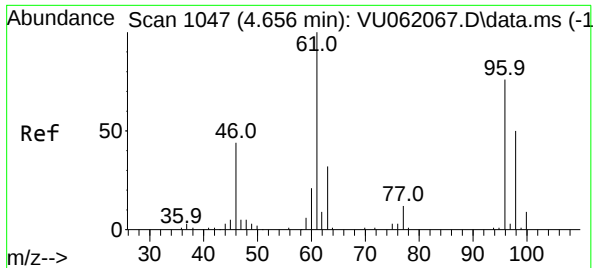
Delta R.T. 0.009 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Tgt Ion:	43	Resp:	90143
Ion	Ratio	Lower	Upper
43	100		
72	33.4	14.8	44.4

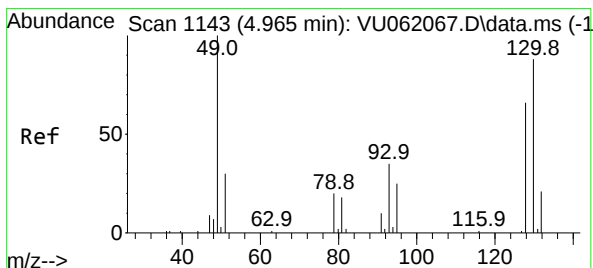
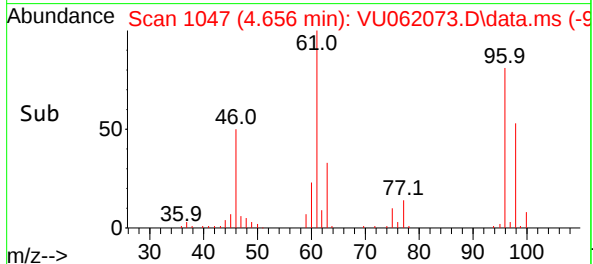
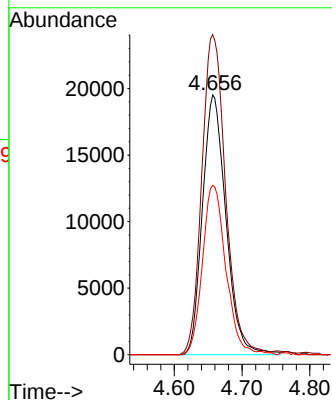
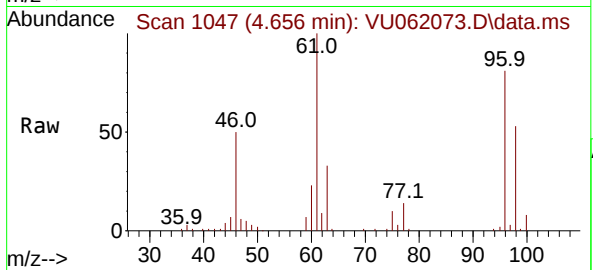




#22
 cis-1,2-Dichloroethene
 Concen: 4.735 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU062073.D
 Acq: 02 Dec 2024 16:03

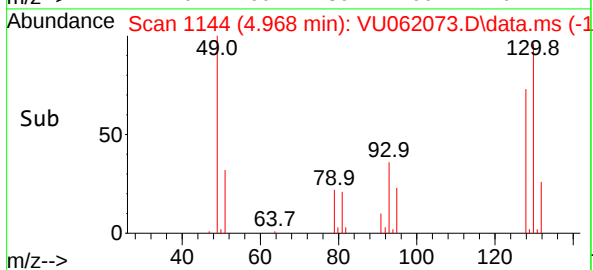
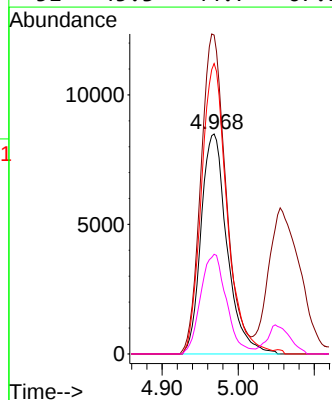
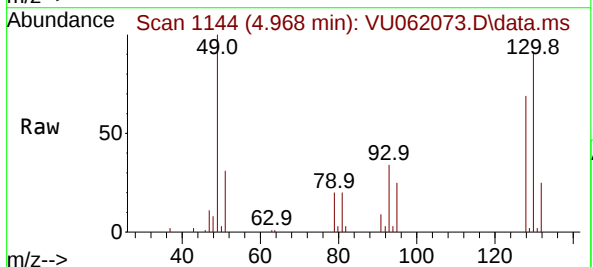
Instrument :
 MSVOA_U
 ClientSampleId :

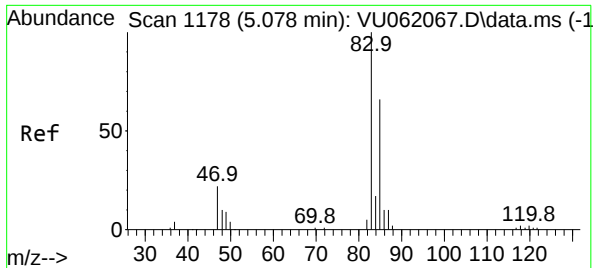
Tgt Ion:	96	Resp:	47000
Ion	Ratio	Lower	Upper
96	100		
61	123.1	92.0	170.8
98	65.2	44.5	82.7



#23
 Bromochloromethane
 Concen: 4.669 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU062073.D
 Acq: 02 Dec 2024 16:03

Tgt Ion:	128	Resp:	20148
Ion	Ratio	Lower	Upper
128	100		
49	144.9	115.3	214.1
130	132.0	92.0	170.8
51	45.3	44.7	67.1

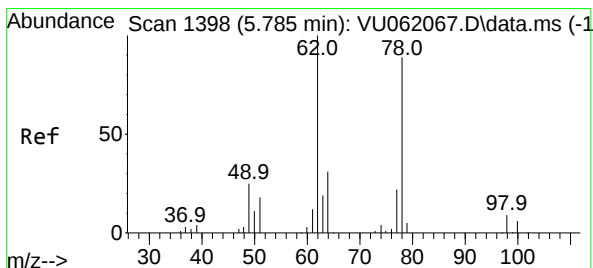
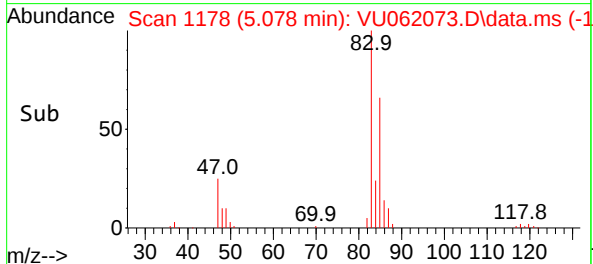
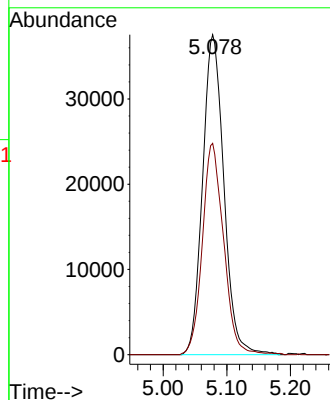
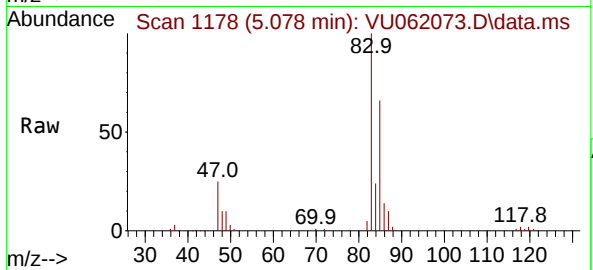




#25
Chloroform
Concen: 4.857 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

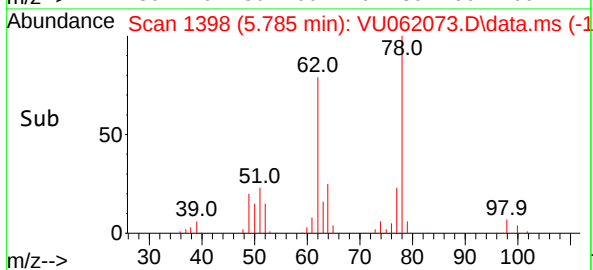
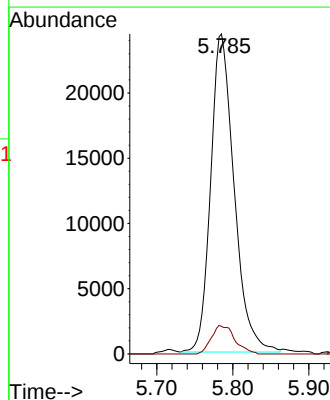
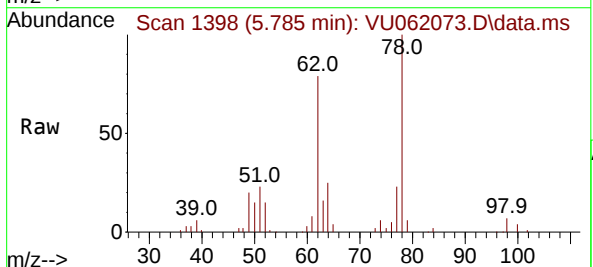
Instrument :
MSVOA_U
ClientSampleId :

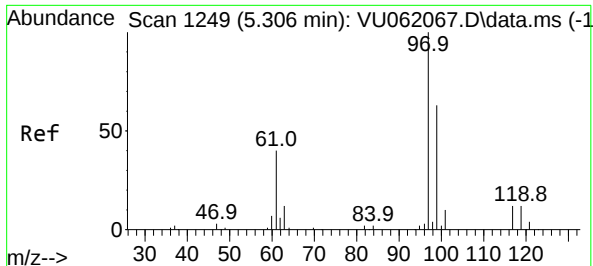
Tgt Ion: 83 Resp: 87228
Ion Ratio Lower Upper
83 100
85 66.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.524 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion: 62 Resp: 52276
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.0

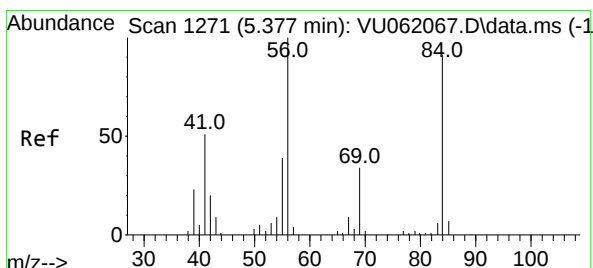
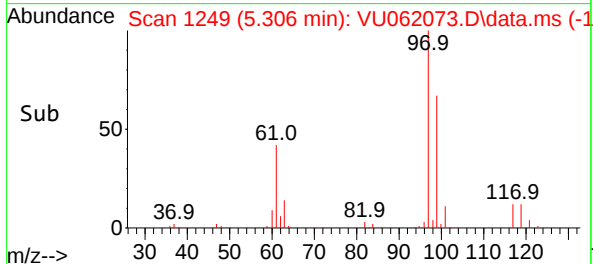
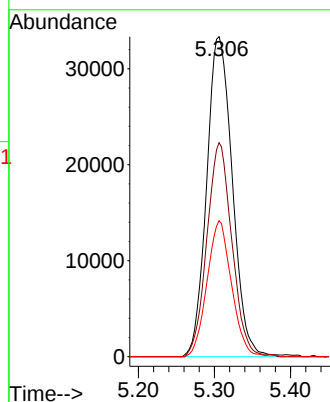
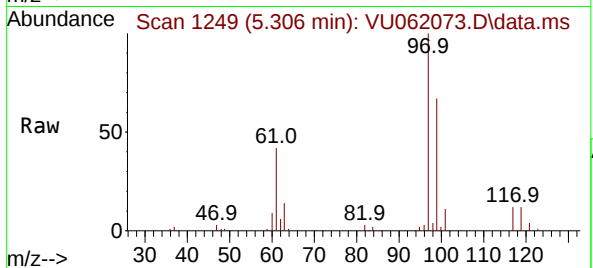




#29
1,1,1-Trichloroethane
Concen: 5.781 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

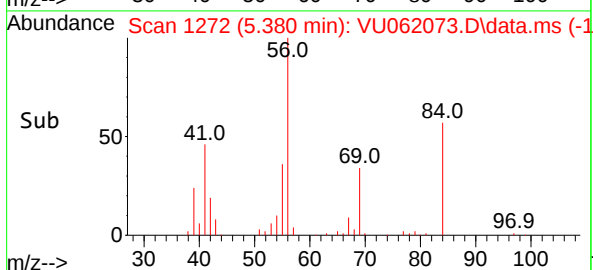
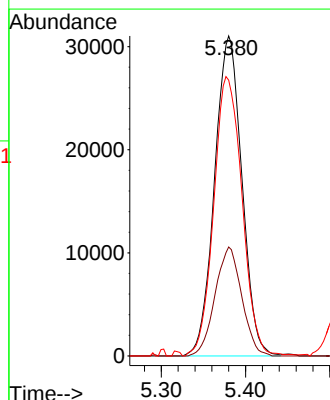
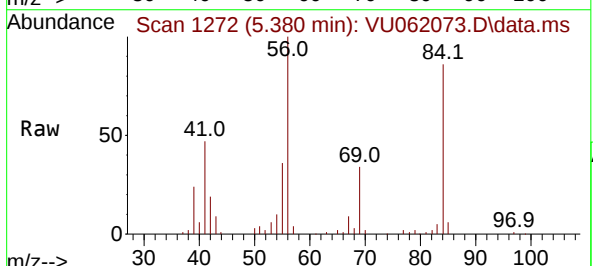
Instrument :
MSVOA_U
ClientSampleId :

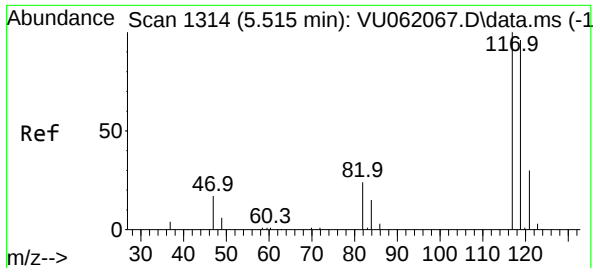
Tgt Ion: 97	Resp: 78290
Ion Ratio	Lower Upper
97	100
99	65.1 51.4 77.2
61	40.3 37.8 56.6



#30
Cyclohexane
Concen: 4.934 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion: 56	Resp: 69881
Ion Ratio	Lower Upper
56	100
69	33.2 25.1 37.7
84	90.4 70.6 105.8

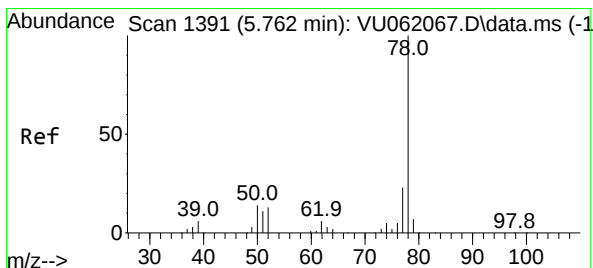
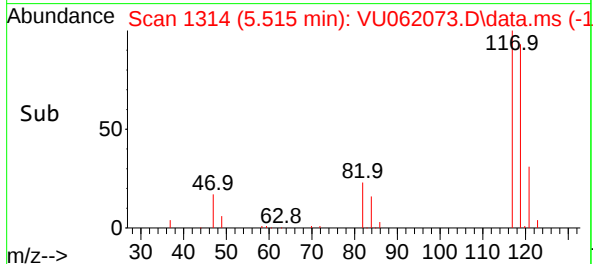
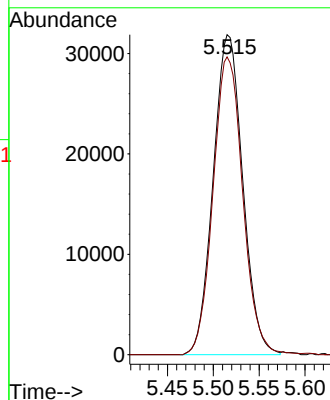
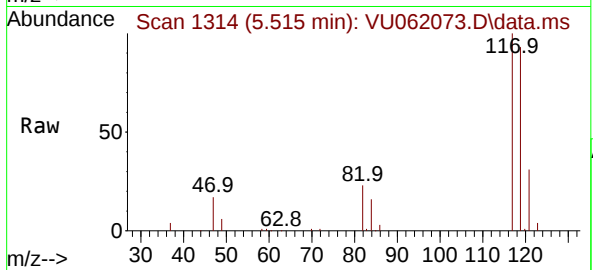




#31
Carbon tetrachloride
Concen: 6.202 ug/L
RT: 5.515 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

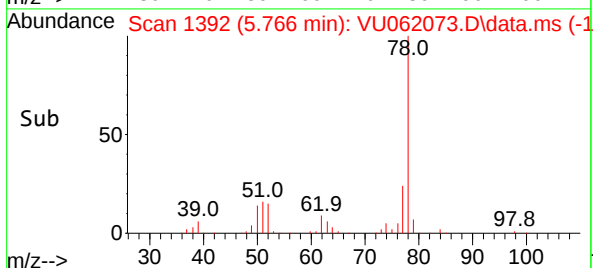
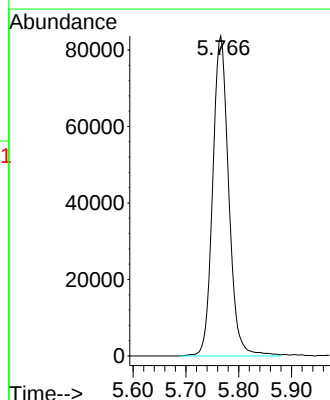
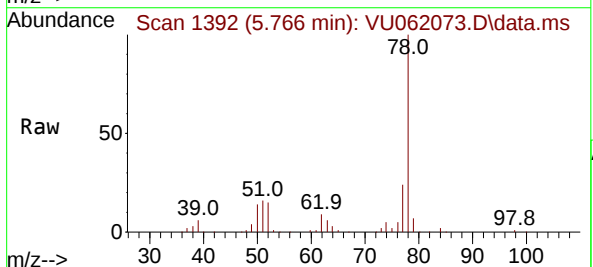
Instrument :
MSVOA_U
ClientSampleId :

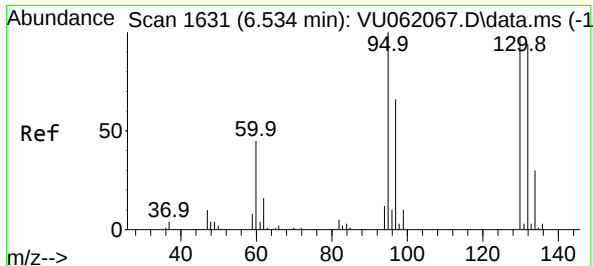
Tgt Ion:117 Resp: 71317
Ion Ratio Lower Upper
117 100
119 93.8 77.5 116.3



#33
Benzene
Concen: 4.976 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion: 78 Resp: 176531





#34

Trichloroethene

Concen: 5.319 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 50365

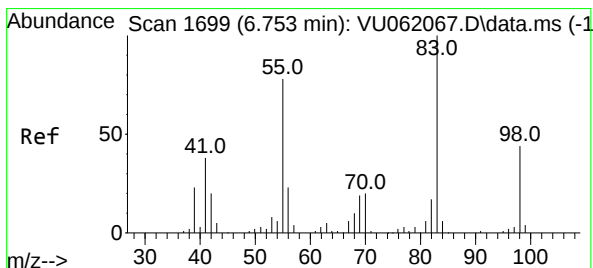
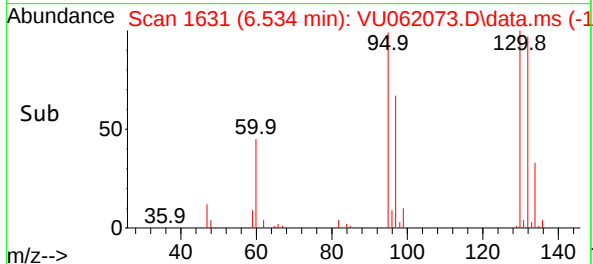
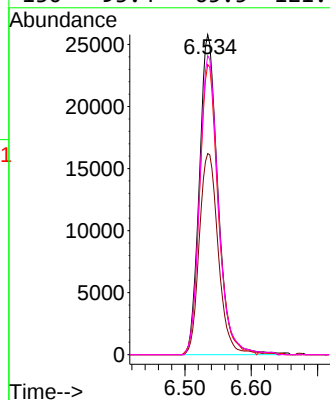
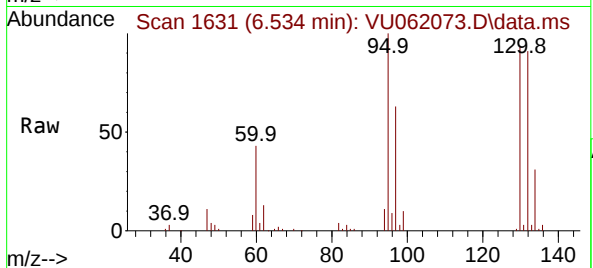
Ion Ratio Lower Upper

95 100

97 62.9 45.9 85.3

132 90.6 63.8 118.4

130 93.4 65.5 121.7



#35

Methylcyclohexane

Concen: 5.127 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

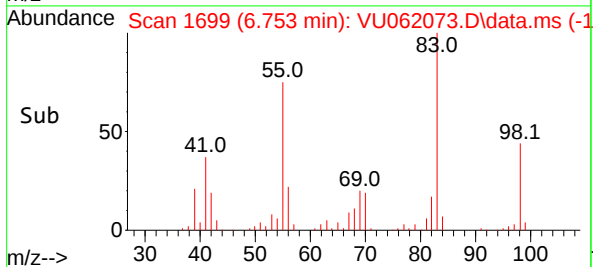
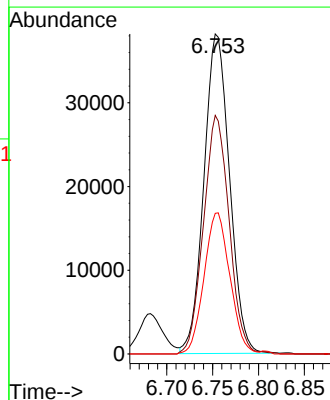
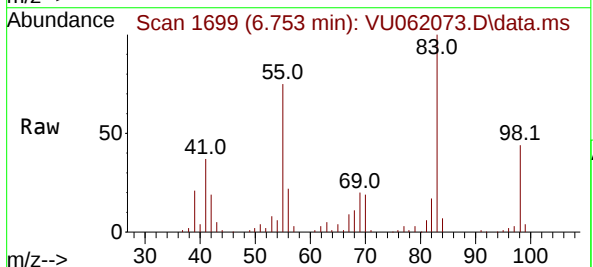
Tgt Ion: 83 Resp: 74264

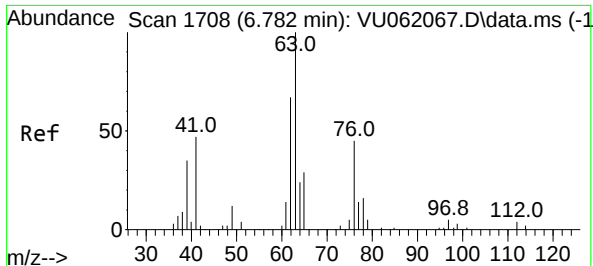
Ion Ratio Lower Upper

83 100

55 74.9 60.7 91.1

98 44.5 34.8 52.2





#37

1,2-Dichloropropane

Concen: 5.032 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

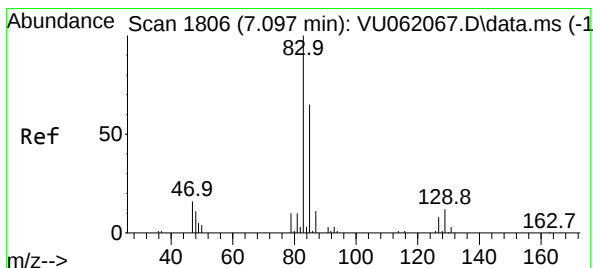
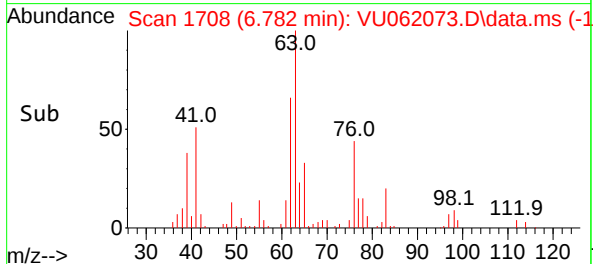
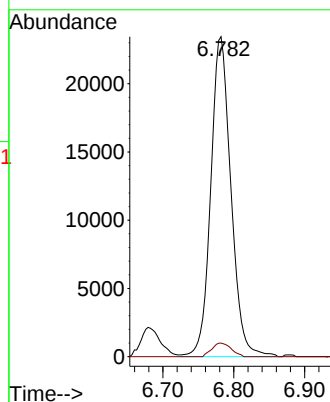
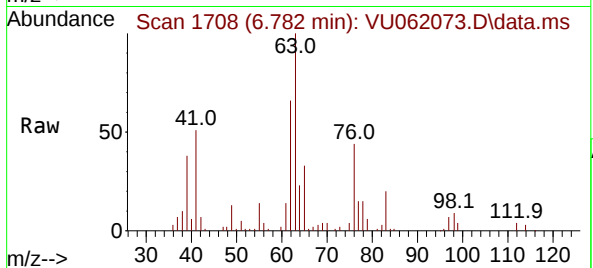
ClientSampleId :

Tgt Ion: 63 Resp: 46381

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



#38

Bromodichloromethane

Concen: 5.294 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

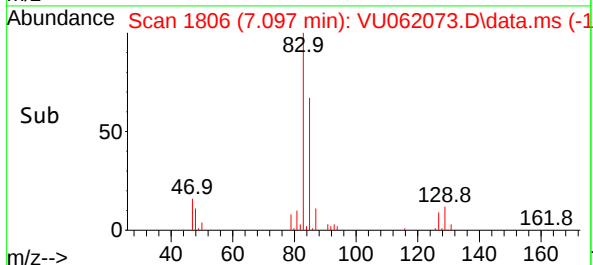
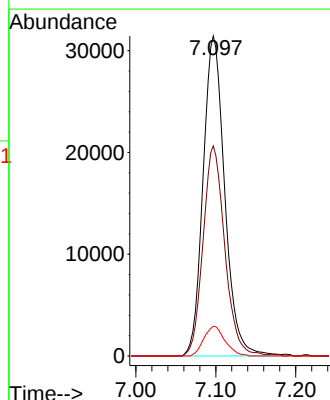
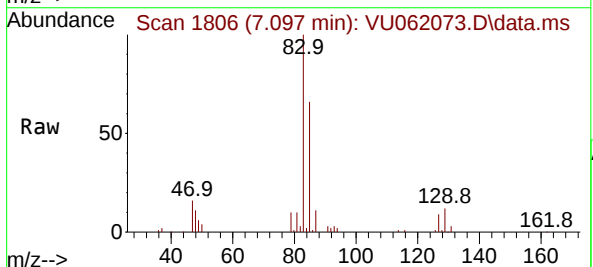
Tgt Ion: 83 Resp: 59187

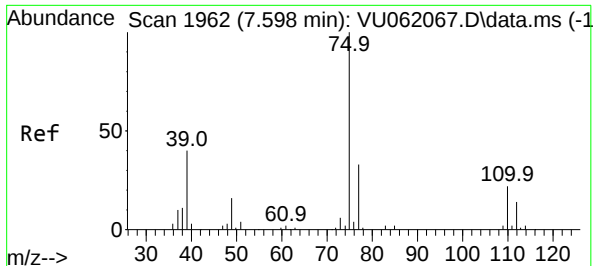
Ion Ratio Lower Upper

83 100

85 65.6 44.1 81.9

127 9.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.373 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

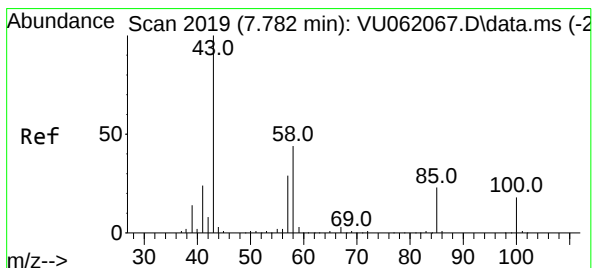
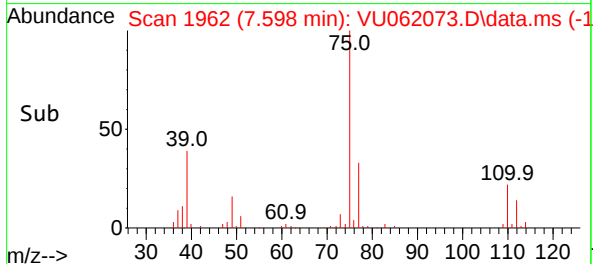
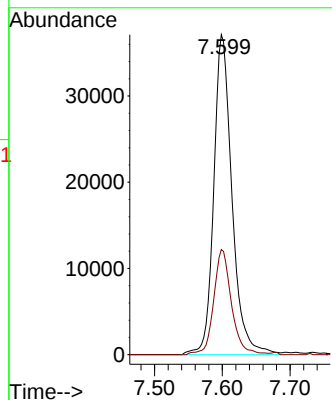
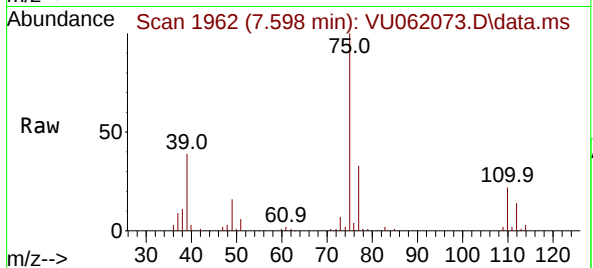
ClientSampleId :

Tgt Ion: 75 Resp: 69442

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 44.786 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

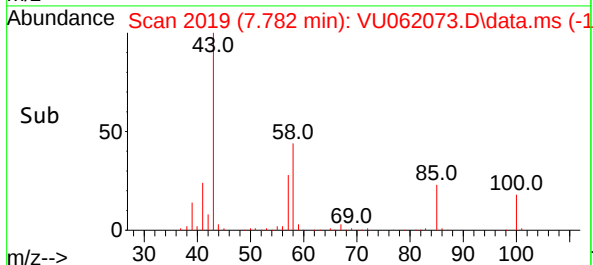
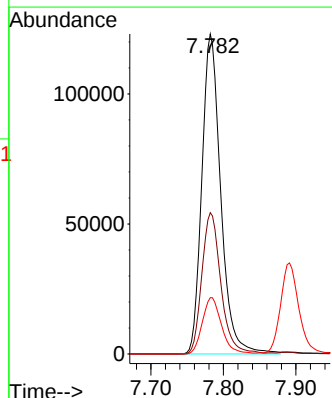
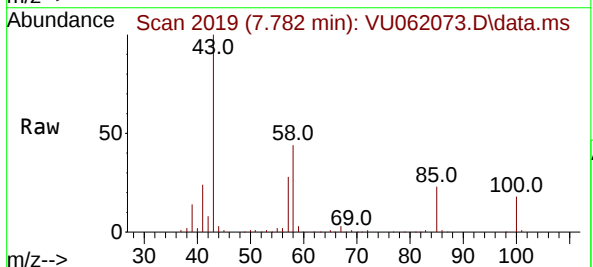
Tgt Ion: 43 Resp: 222745

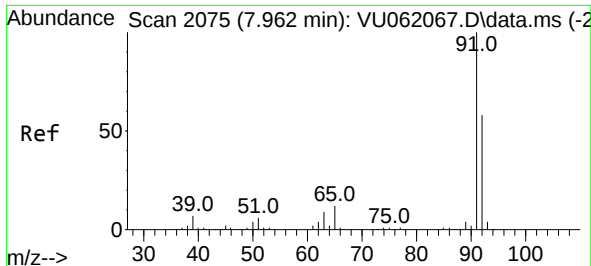
Ion Ratio Lower Upper

43 100

58 44.5 33.3 49.9

100 17.9 12.4 18.6





#42

Toluene

Concen: 5.174 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

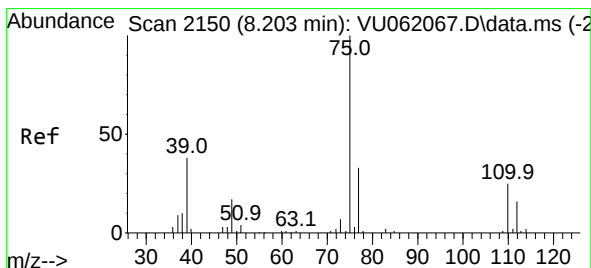
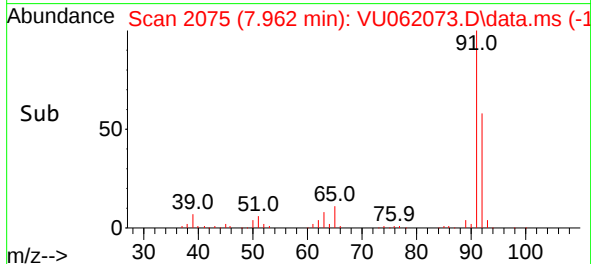
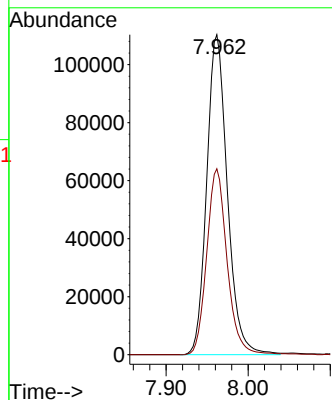
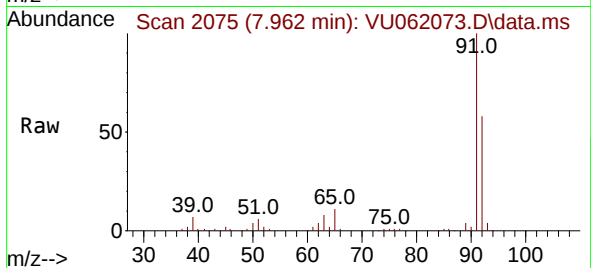
ClientSampleId :

Tgt Ion: 91 Resp: 192633

Ion Ratio Lower Upper

91 100

92 58.1 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.572 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU062073.D

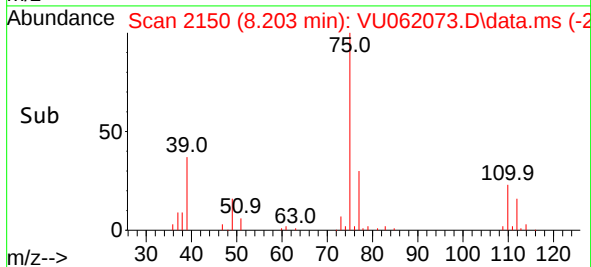
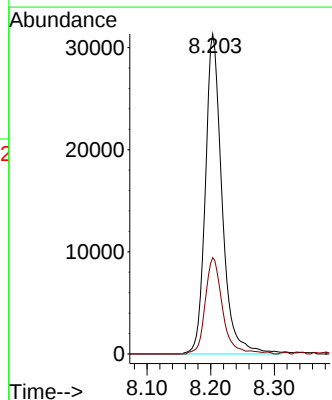
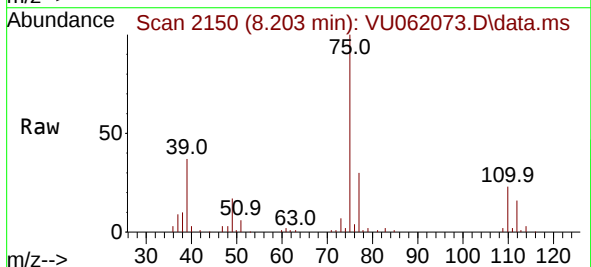
Acq: 02 Dec 2024 16:03

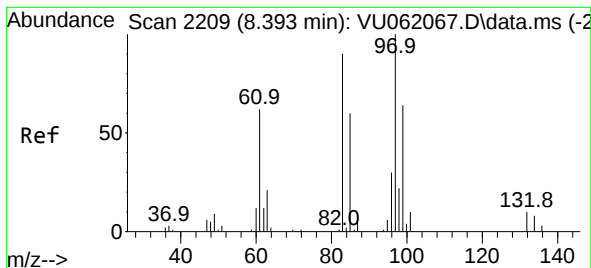
Tgt Ion: 75 Resp: 57193

Ion Ratio Lower Upper

75 100

77 30.1 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 4.803 ug/L

RT: 8.389 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 32619

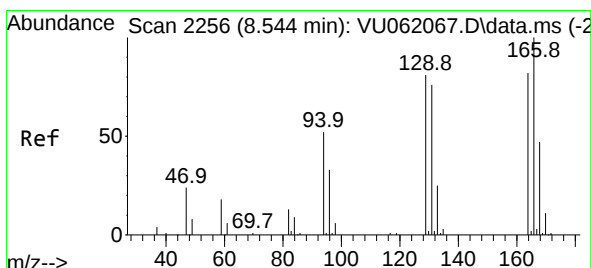
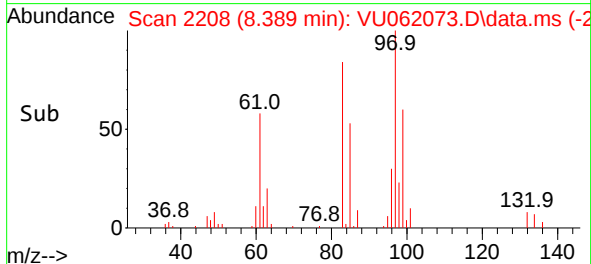
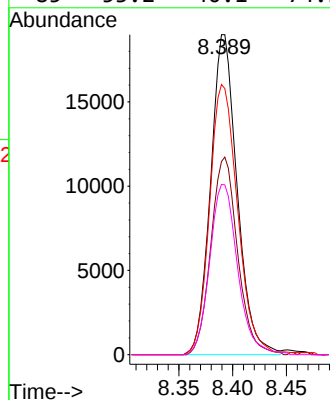
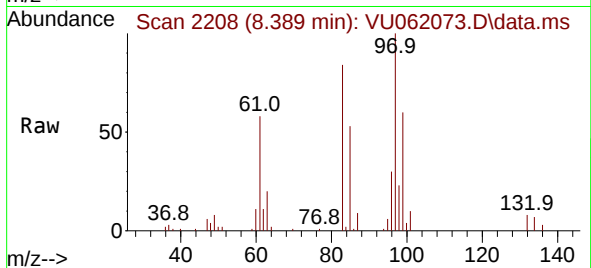
Ion Ratio Lower Upper

97 100

99 60.3 43.0 79.8

83 84.4 61.7 114.5

85 53.2 40.1 74.5



#47

Tetrachloroethene

Concen: 5.485 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Tgt Ion:164 Resp: 37773

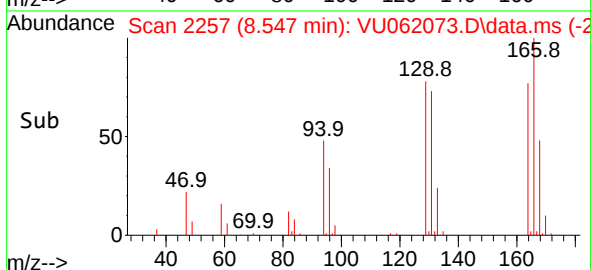
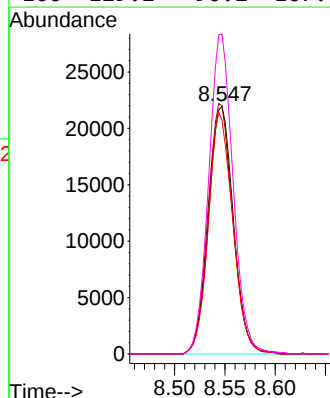
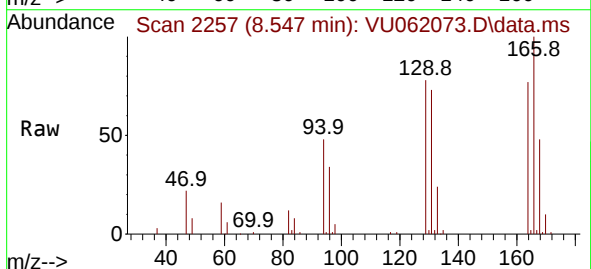
Ion Ratio Lower Upper

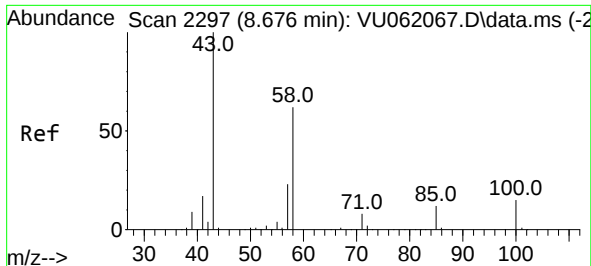
164 100

129 100.2 73.2 136.0

131 94.3 72.3 134.3

166 129.2 90.2 167.4

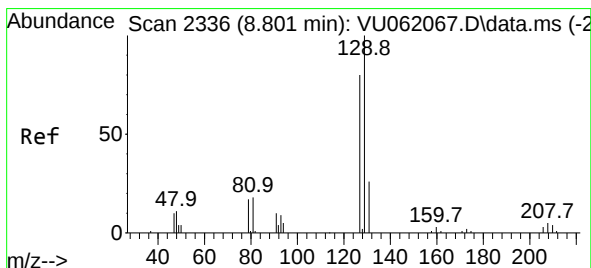
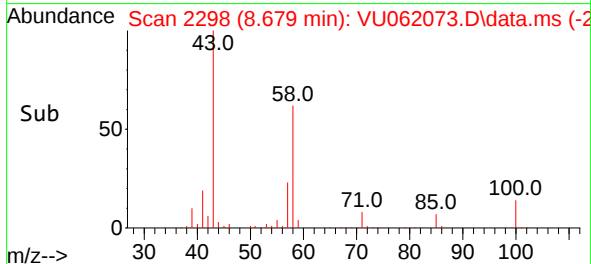
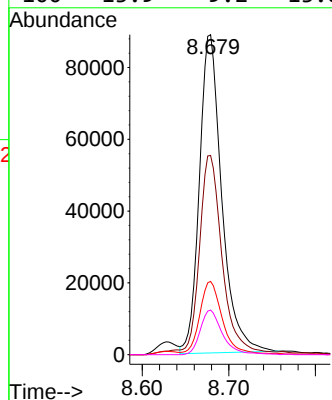
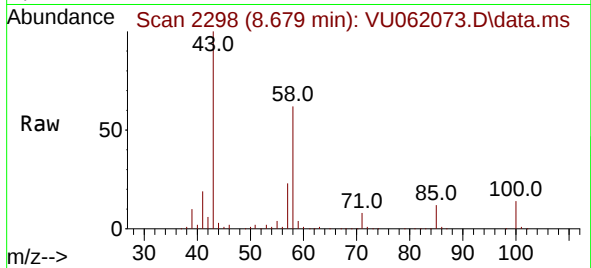




#48
2-Hexanone
Concen: 42.797 ug/L
RT: 8.679 min Scan# 2297
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

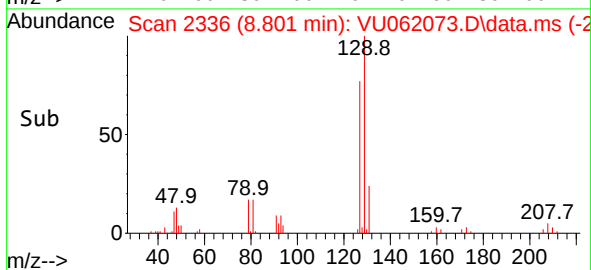
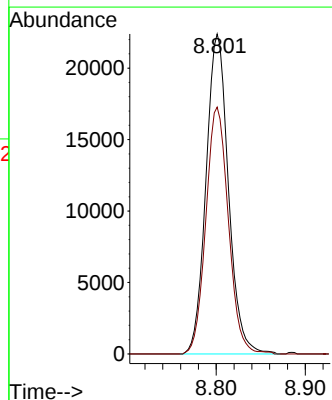
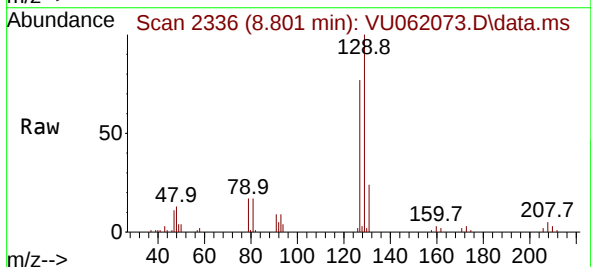
Instrument :
MSVOA_U
ClientSampleId :

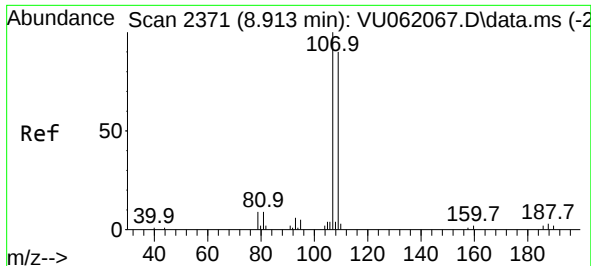
Tgt Ion: 43	Resp: 159405
Ion Ratio	Lower Upper
43 100	
58 64.7	47.5 71.3
57 22.7	15.6 23.4
100 13.9	9.2 13.8#



#49
Dibromochloromethane
Concen: 5.450 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion:129	Resp: 39098		
Ion Ratio	Lower	Upper	
129 100			
127 77.2	51.1	94.9	





#50

1,2-Dibromoethane

Concen: 4.667 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

ClientSampleId :

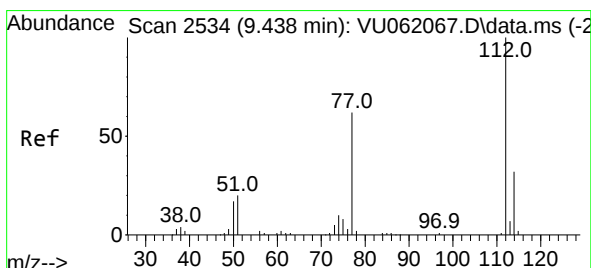
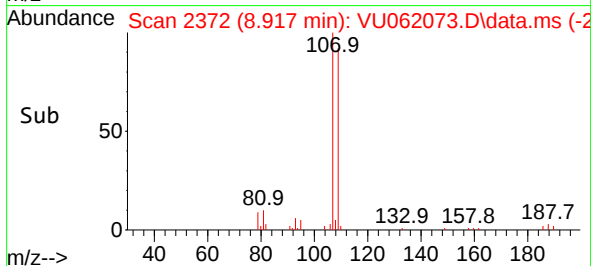
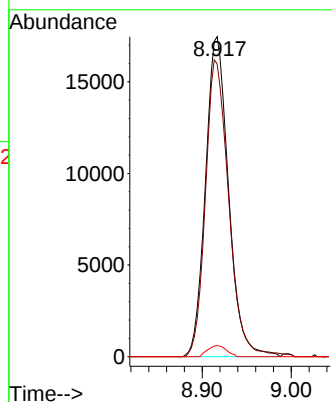
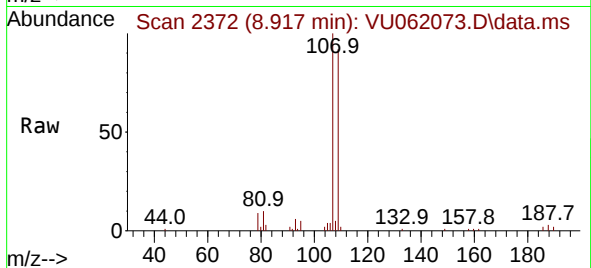
Tgt Ion:107 Resp: 31452

Ion Ratio Lower Upper

107 100

109 91.5 66.8 124.2

188 3.5 2.3 3.5



#51

Chlorobenzene

Concen: 4.806 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

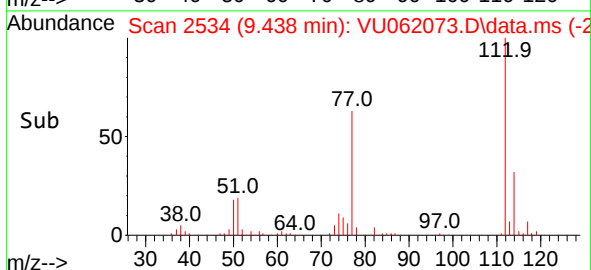
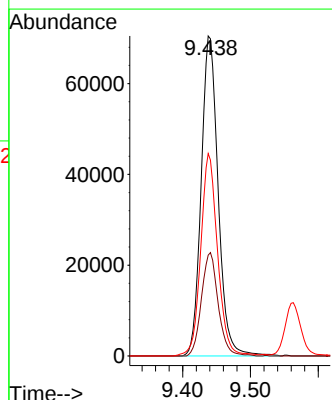
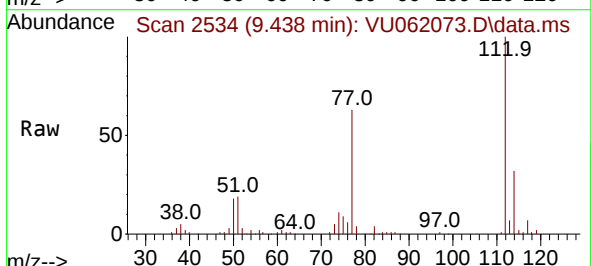
Tgt Ion:112 Resp: 122561

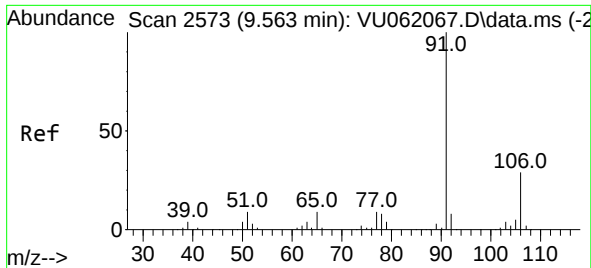
Ion Ratio Lower Upper

112 100

114 31.5 23.0 42.6

77 63.3 50.5 75.7

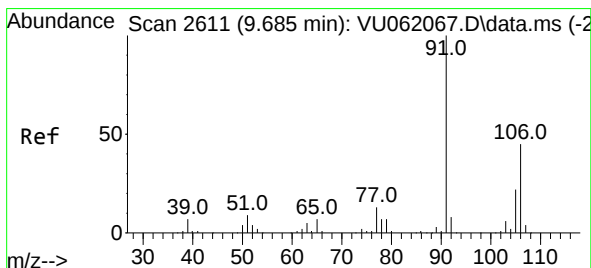
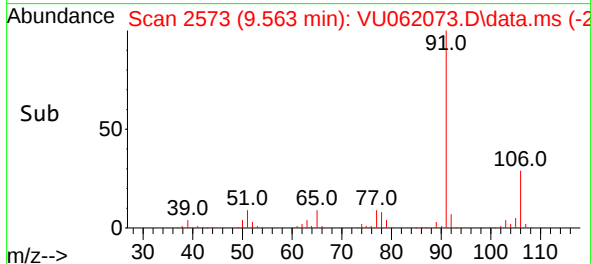
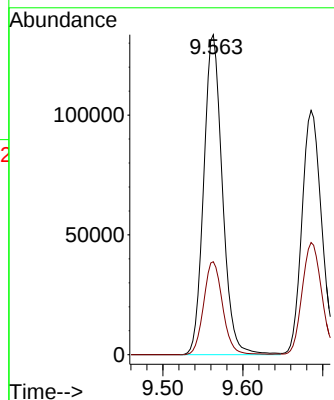
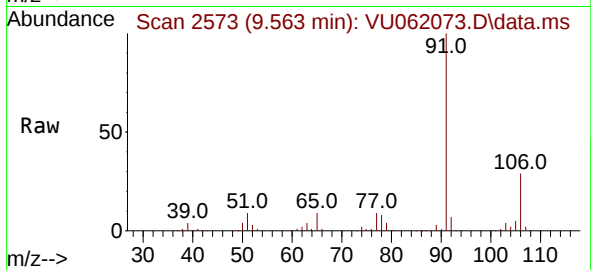




#52
Ethylbenzene
Concen: 4.875 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

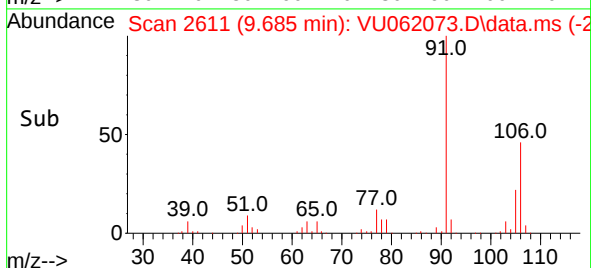
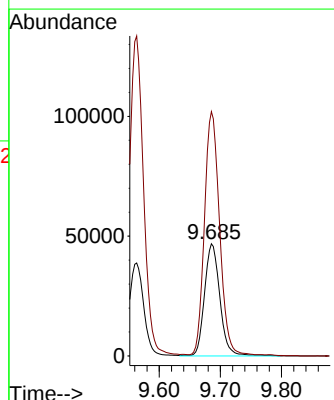
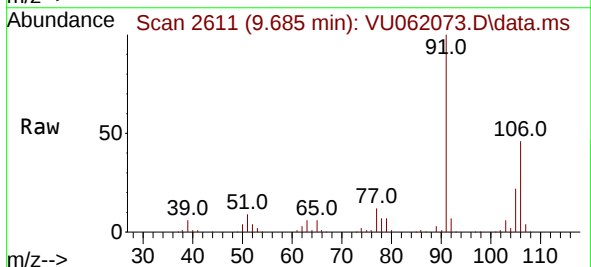
Instrument :
MSVOA_U
ClientSampleId :

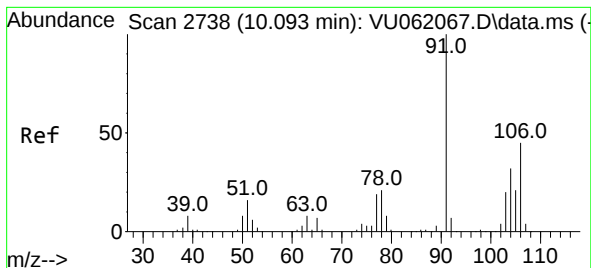
Tgt Ion: 91 Resp: 217217
Ion Ratio Lower Upper
91 100
106 29.1 21.6 40.0



#53
m,p-Xylene
Concen: 5.205 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion:106 Resp: 81835
Ion Ratio Lower Upper
106 100
91 217.8 147.6 274.0





#54

o-Xylene

Concen: 4.920 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

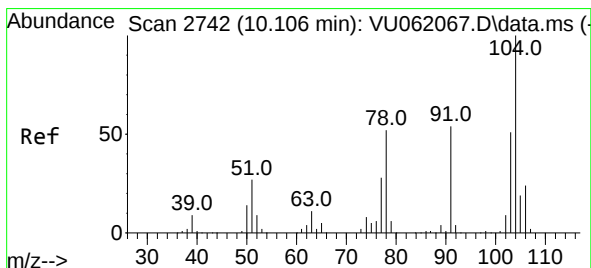
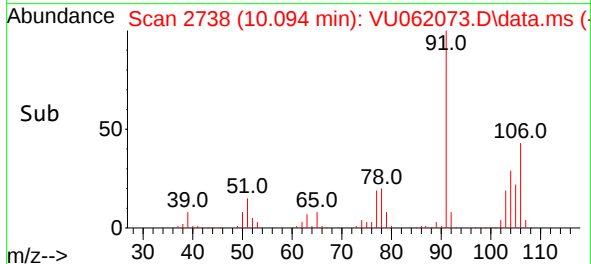
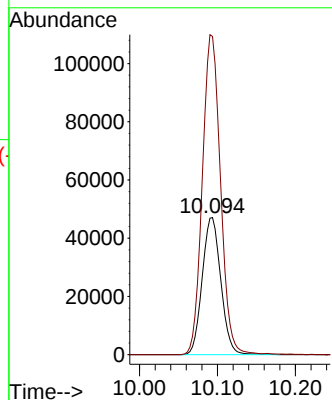
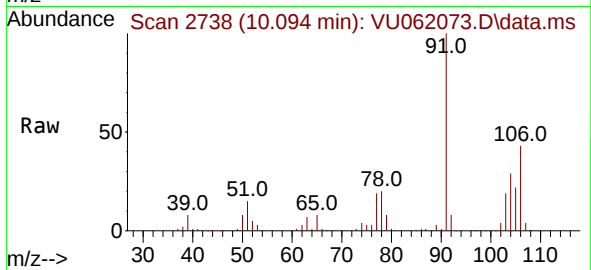
ClientSampleId :

Tgt Ion:106 Resp: 78085

Ion Ratio Lower Upper

106 100

91 232.1 159.8 296.8



#55

Styrene

Concen: 4.946 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU062073.D

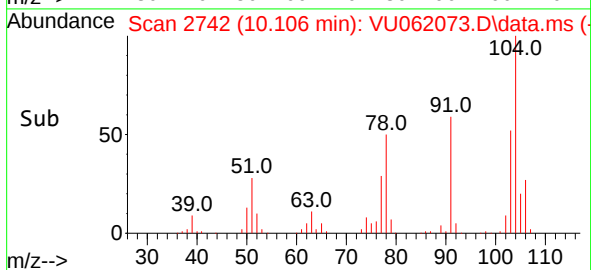
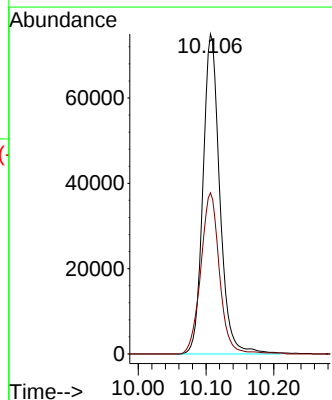
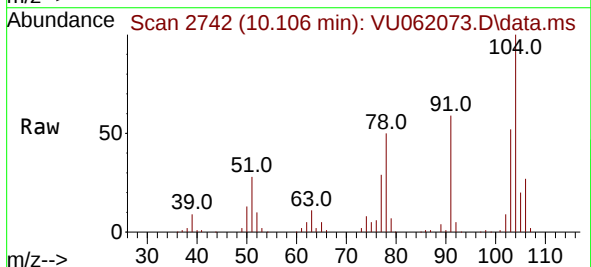
Acq: 02 Dec 2024 16:03

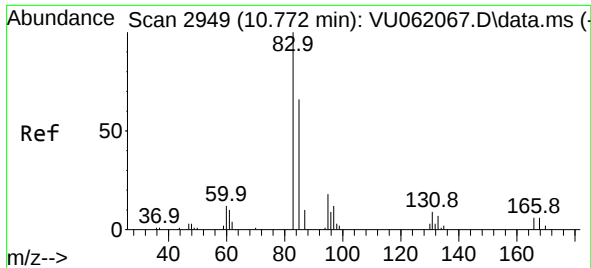
Tgt Ion:104 Resp: 129306

Ion Ratio Lower Upper

104 100

78 50.4 33.2 61.7

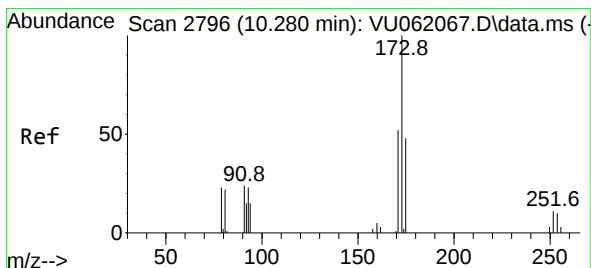
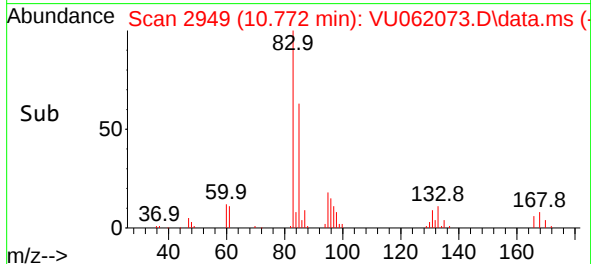
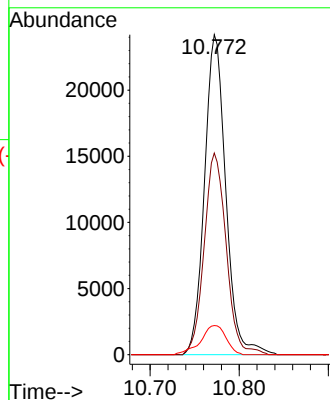
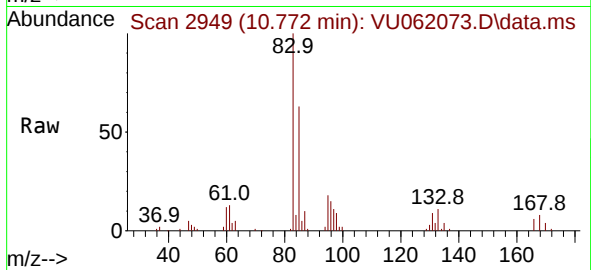




#57
1,1,2,2-Tetrachloroethane
Concen: 4.603 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

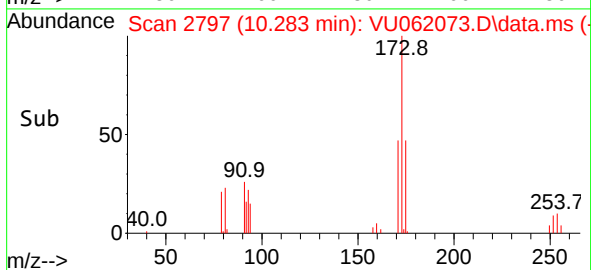
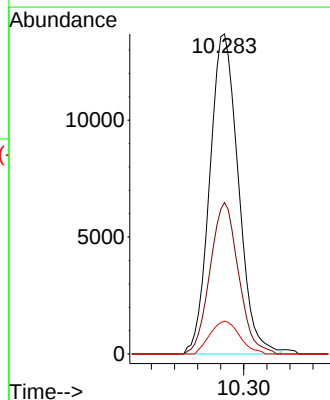
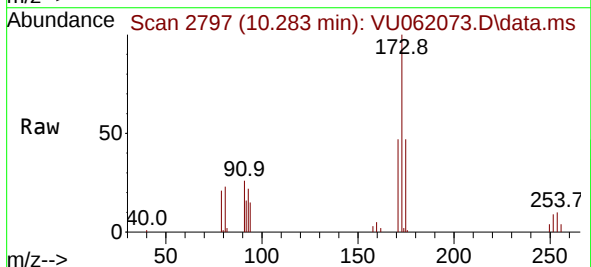
Instrument :
MSVOA_U
ClientSampleId :

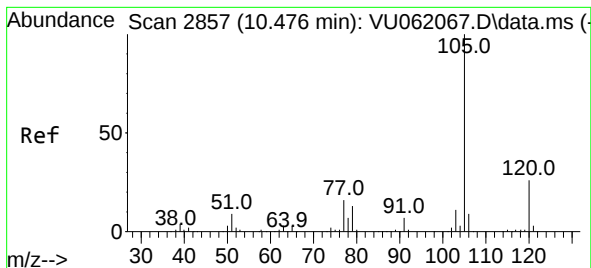
Tgt Ion:	83	Resp:	40059
Ion Ratio	Lower	Upper	
83	100		
85	63.0	44.4	82.4
131	9.1	7.3	10.9



#59
Bromoform
Concen: 5.160 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion:	173	Resp:	23570
Ion Ratio	Lower	Upper	
173	100		
175	47.0	39.0	58.4
254	10.6	7.4	11.0





#60

Isopropylbenzene

Concen: 4.514 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

ClientSampleId :

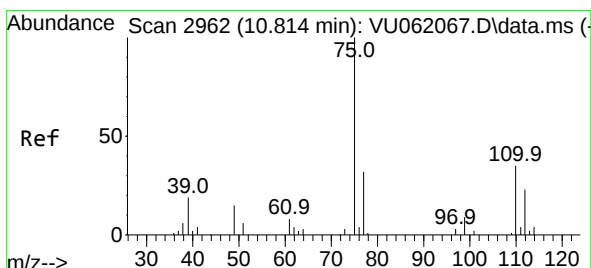
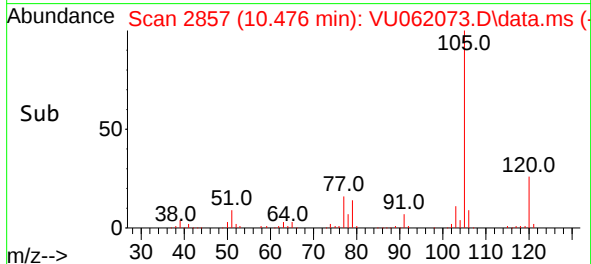
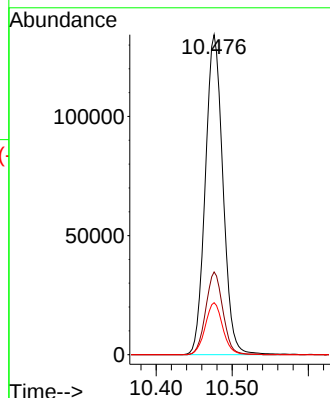
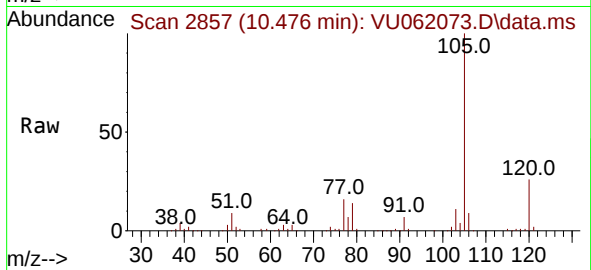
Tgt Ion:105 Resp: 216275

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

77 16.2 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 4.002 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

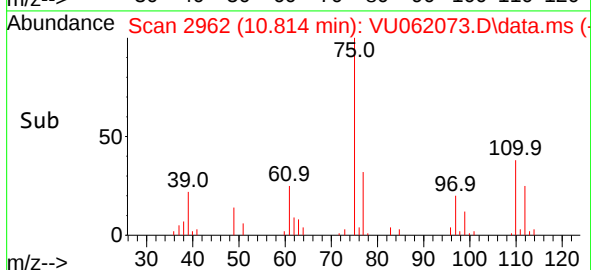
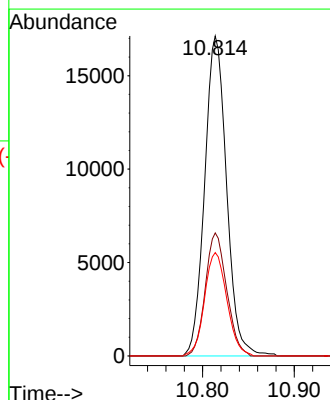
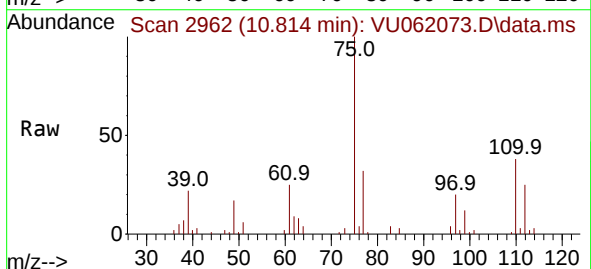
Tgt Ion: 75 Resp: 28430

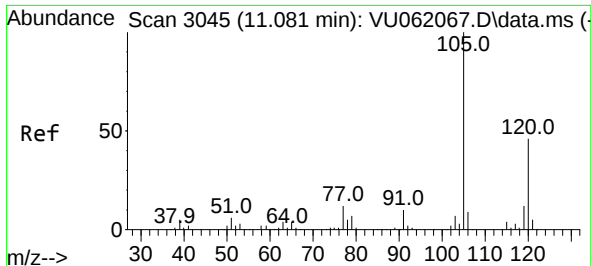
Ion Ratio Lower Upper

75 100

110 37.5 28.9 43.3

77 32.9 26.5 39.7

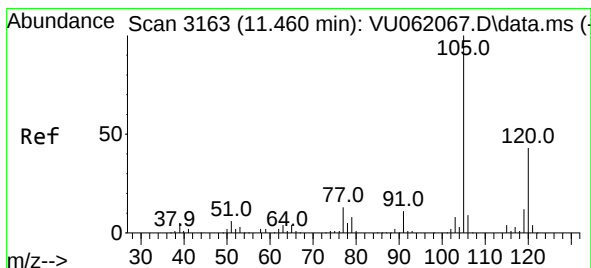
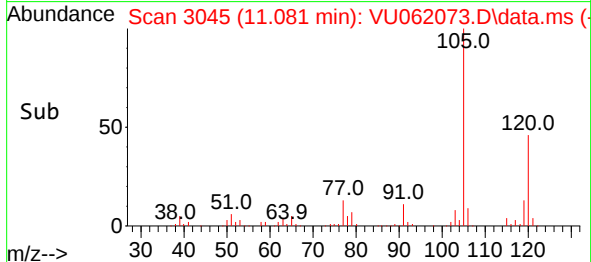
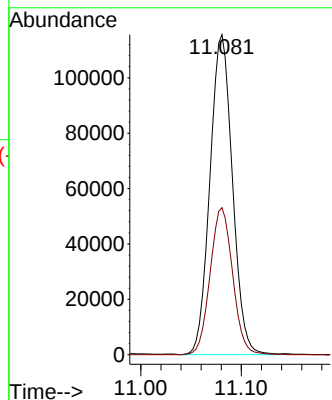
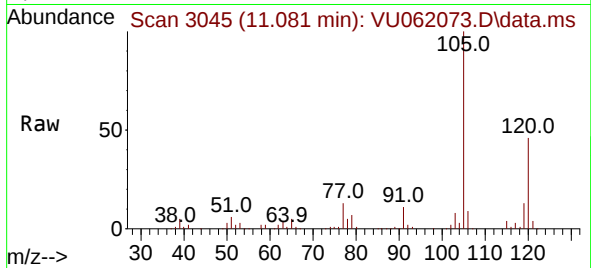




#62
1,3,5-Trimethylbenzene
Concen: 4.706 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

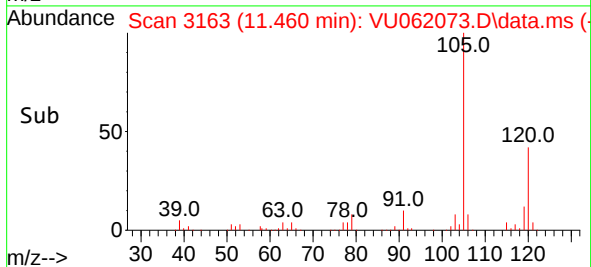
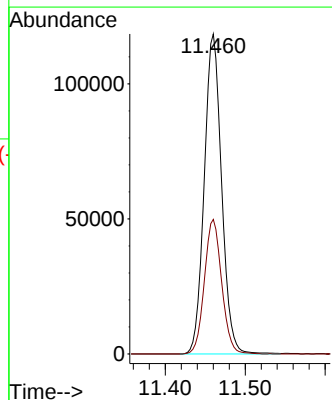
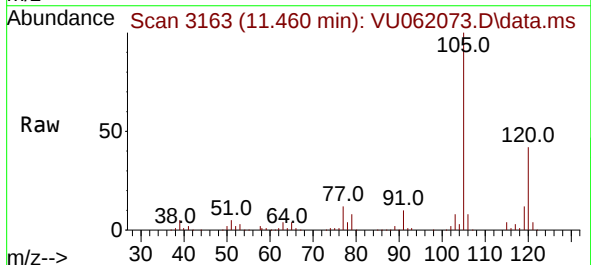
Instrument :
MSVOA_U
ClientSampleId :

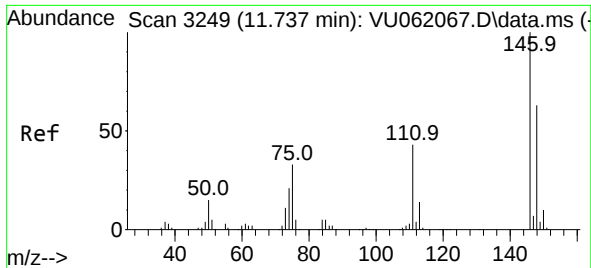
Tgt Ion:105 Resp: 179840
Ion Ratio Lower Upper
105 100
120 45.9 36.7 55.1



#63
1,2,4-Trimethylbenzene
Concen: 4.703 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion:105 Resp: 179184
Ion Ratio Lower Upper
105 100
120 41.9 34.7 52.1

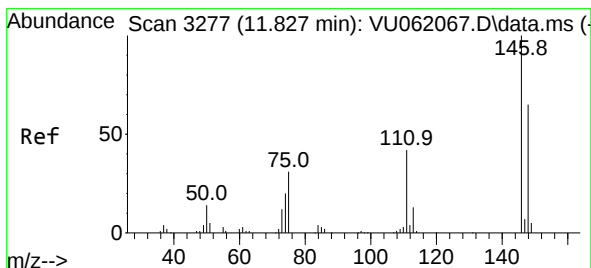
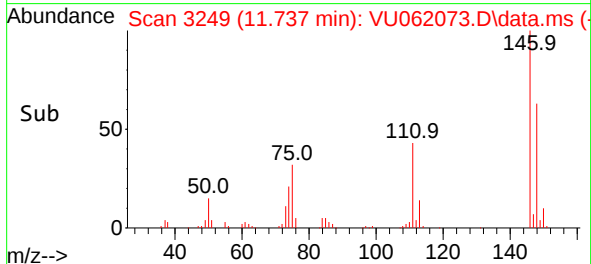
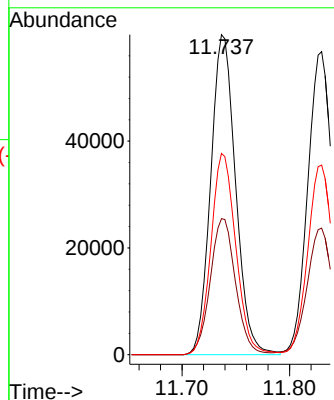
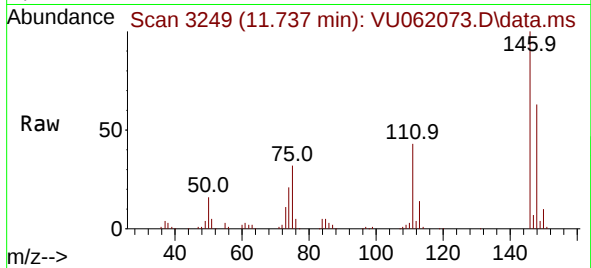




#64
1,3-Dichlorobenzene
Concen: 4.533 ug/L
RT: 11.737 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

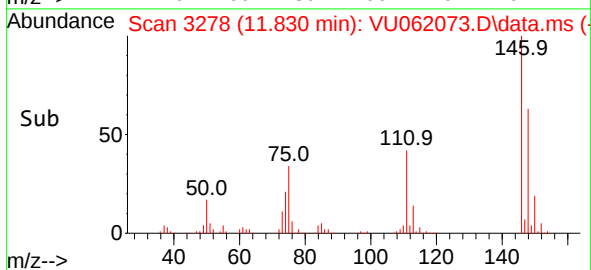
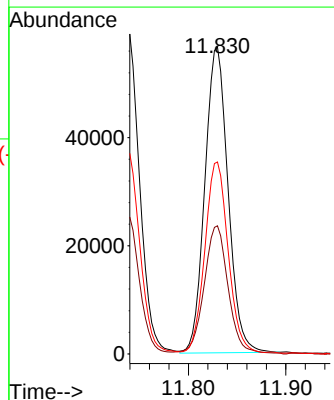
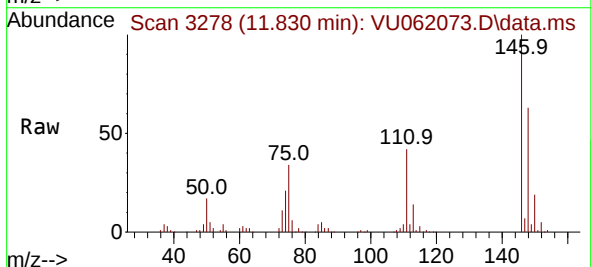
Instrument :
MSVOA_U
ClientSampleId :

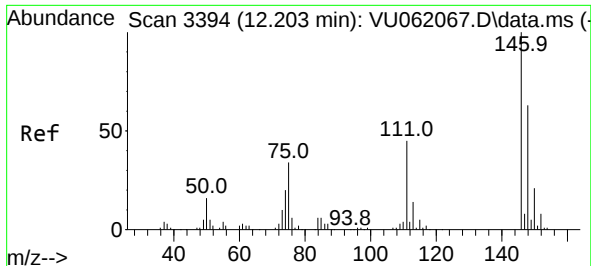
Tgt Ion:146 Resp: 96411
Ion Ratio Lower Upper
146 100
111 42.5 30.7 57.1
148 62.9 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 4.545 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion:146 Resp: 93549
Ion Ratio Lower Upper
146 100
111 41.7 29.3 54.3
148 62.5 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 4.712 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

Instrument :

MSVOA_U

ClientSampleId :

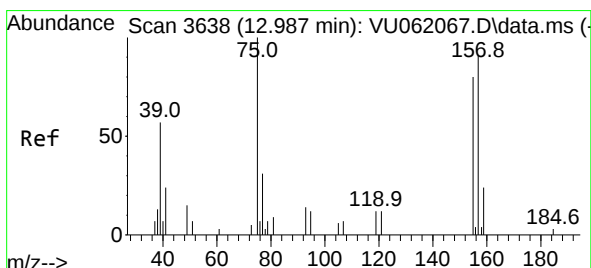
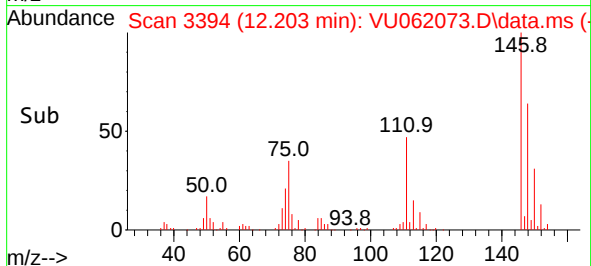
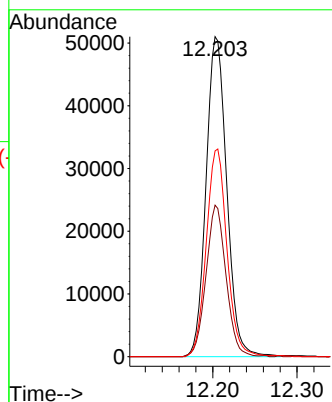
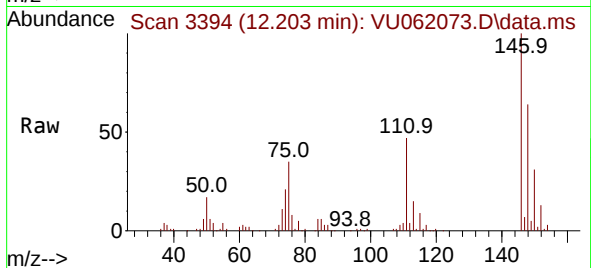
Tgt Ion:146 Resp: 87155

Ion Ratio Lower Upper

146 100

111 47.4 36.0 54.0

148 64.3 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.019 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU062073.D

Acq: 02 Dec 2024 16:03

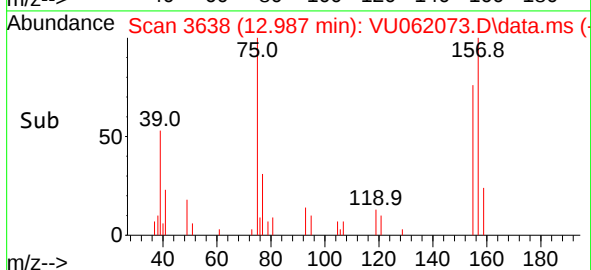
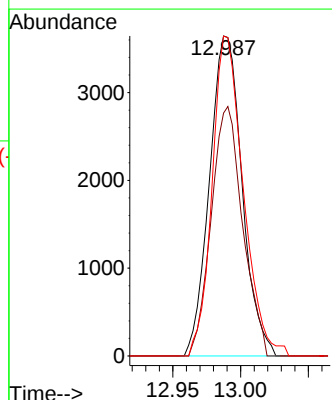
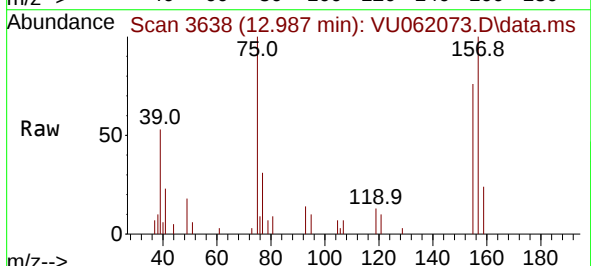
Tgt Ion: 75 Resp: 6084

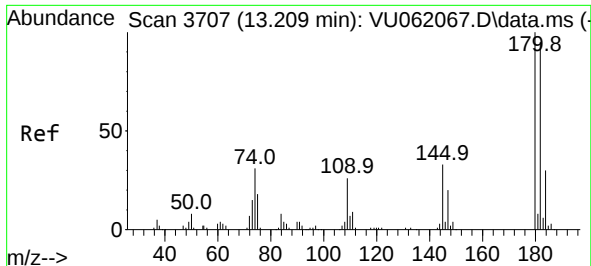
Ion Ratio Lower Upper

75 100

155 75.9 55.2 82.8

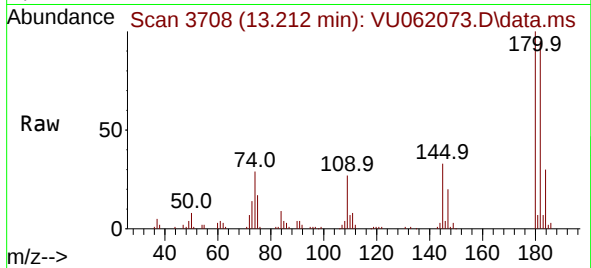
157 99.9 73.5 110.3



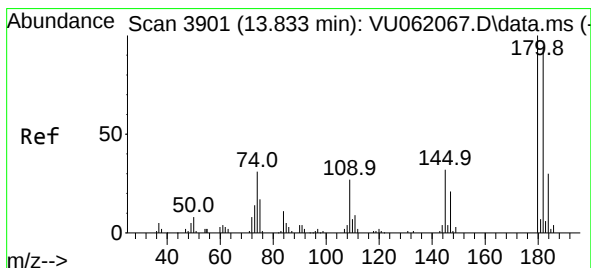
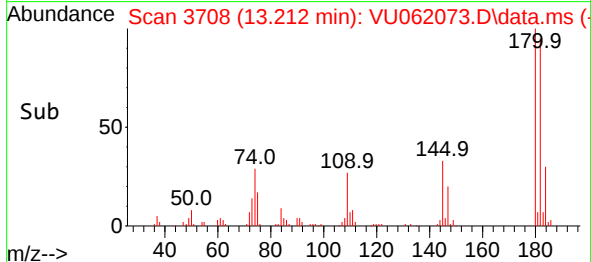
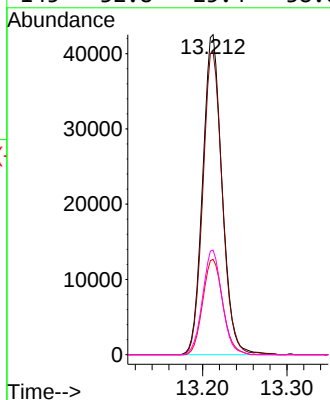


#69
1,3,5-Trichlorobenzene
Concen: 5.391 ug/L
RT: 13.212 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Instrument :
MSVOA_U
ClientSampleId :

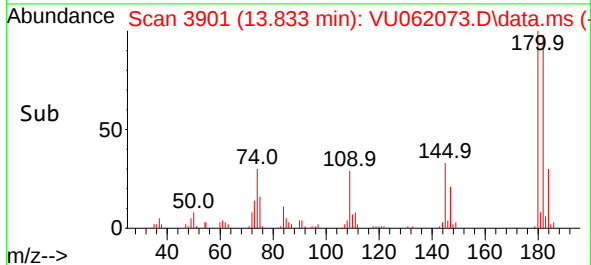
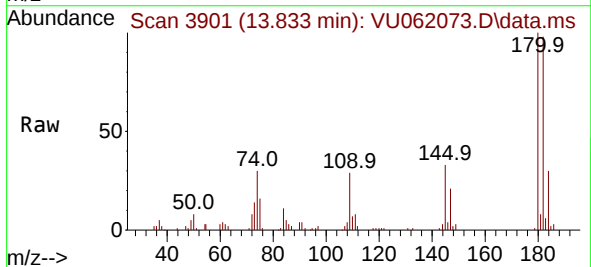
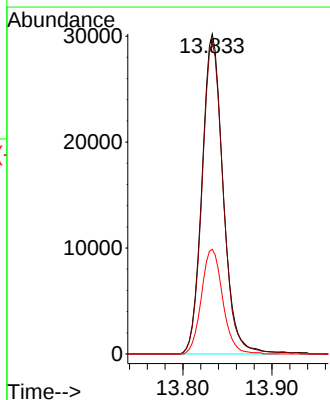


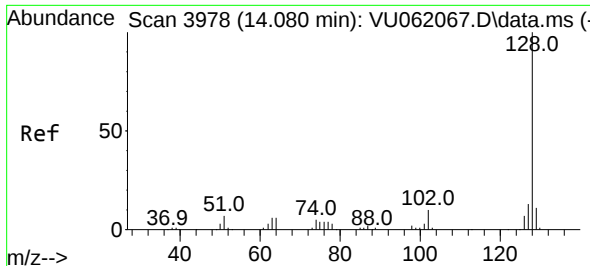
Tgt Ion:180 Resp: 68216
Ion Ratio Lower Upper
180 100
182 95.1 76.7 115.1
184 30.8 24.8 37.2
145 32.8 25.4 38.0



#70
1,2,4-trichlorobenzene
Concen: 5.126 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

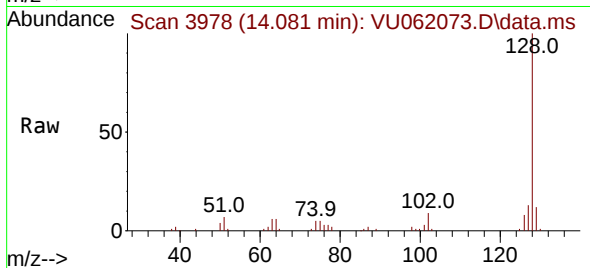
Tgt Ion:180 Resp: 49715
Ion Ratio Lower Upper
180 100
182 97.8 74.5 111.7
145 33.0 25.6 38.4





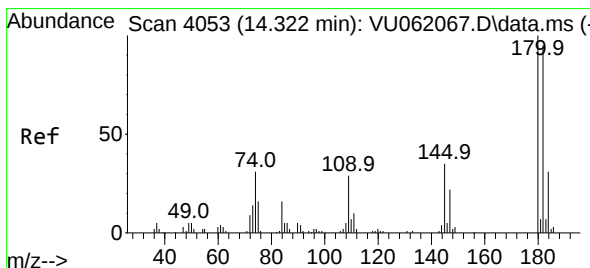
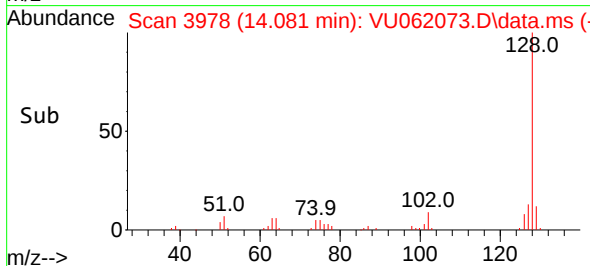
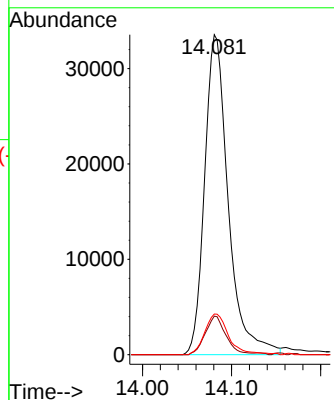
#71
Naphthalene
Concen: 3.952 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 61785

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.5	12.7
127	12.9	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.858 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU062073.D
Acq: 02 Dec 2024 16:03

Tgt Ion:180 Resp: 40582

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
145	34.6	27.4	41.0

