

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060962.D
 Acq On : 20 Sep 2024 23:20
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 01:47:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	169755	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	174821	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	82559	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	41429	2.713	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.200%
7) Chloroethane-d5	1.907	69	37162	3.419	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.400%
11) 1,1-Dichloroethene-d2	2.557	65	16735	3.092	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.800%
20) 2-Butanone-d5	4.615	46	111089	45.322	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.640%
24) Chloroform-d	5.055	84	90242	3.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
26) 1,2-Dichloroethane-d4	5.695	65	45732	4.099	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
32) Benzene-d6	5.718	84	166853	3.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.200%
36) 1,2-Dichloropropane-d6	6.682	67	56608	3.905	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.000%
41) Toluene-d8	7.891	98	152972	3.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.600%
43) trans-1,3-Dichloroprop...	8.177	79	18230	3.493	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.800%
46) 2-Hexanone-d5	8.624	63	94154	45.738	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.480%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	47132	4.150	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	53010	3.821	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	53818	4.200	ug/L	100
3) Chloromethane	1.518	50	55592	4.107	ug/L	97
5) Vinyl chloride	1.602	62	62367	4.257	ug/L	97
6) Bromomethane	1.849	94	29010	3.099	ug/L	97
8) Chloroethane	1.927	64	39877	4.455	ug/L	99
9) Trichlorofluoromethane	2.132	101	92278	4.586	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	50270	4.299	ug/L	97
12) 1,1-Dichloroethene	2.573	96	44709	4.187	ug/L	92
13) Acetone	2.624	43	71267	43.581	ug/L	94
14) Carbon disulfide	2.788	76	116166	3.922	ug/L	96
15) Methyl Acetate	2.949	43	20307	5.093	ug/L	98
16) Methylene chloride	3.039	84	57949	4.686	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	109009	4.517	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	45595	4.121	ug/L	99
19) 1,1-Dichloroethane	3.859	63	99613	4.484	ug/L	97
21) 2-Butanone	4.695	43	121384	45.599	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	54351	4.438	ug/L	95
23) Bromochloromethane	4.965	128	24987	4.320	ug/L	99
25) Chloroform	5.078	83	106436	4.595	ug/L	98

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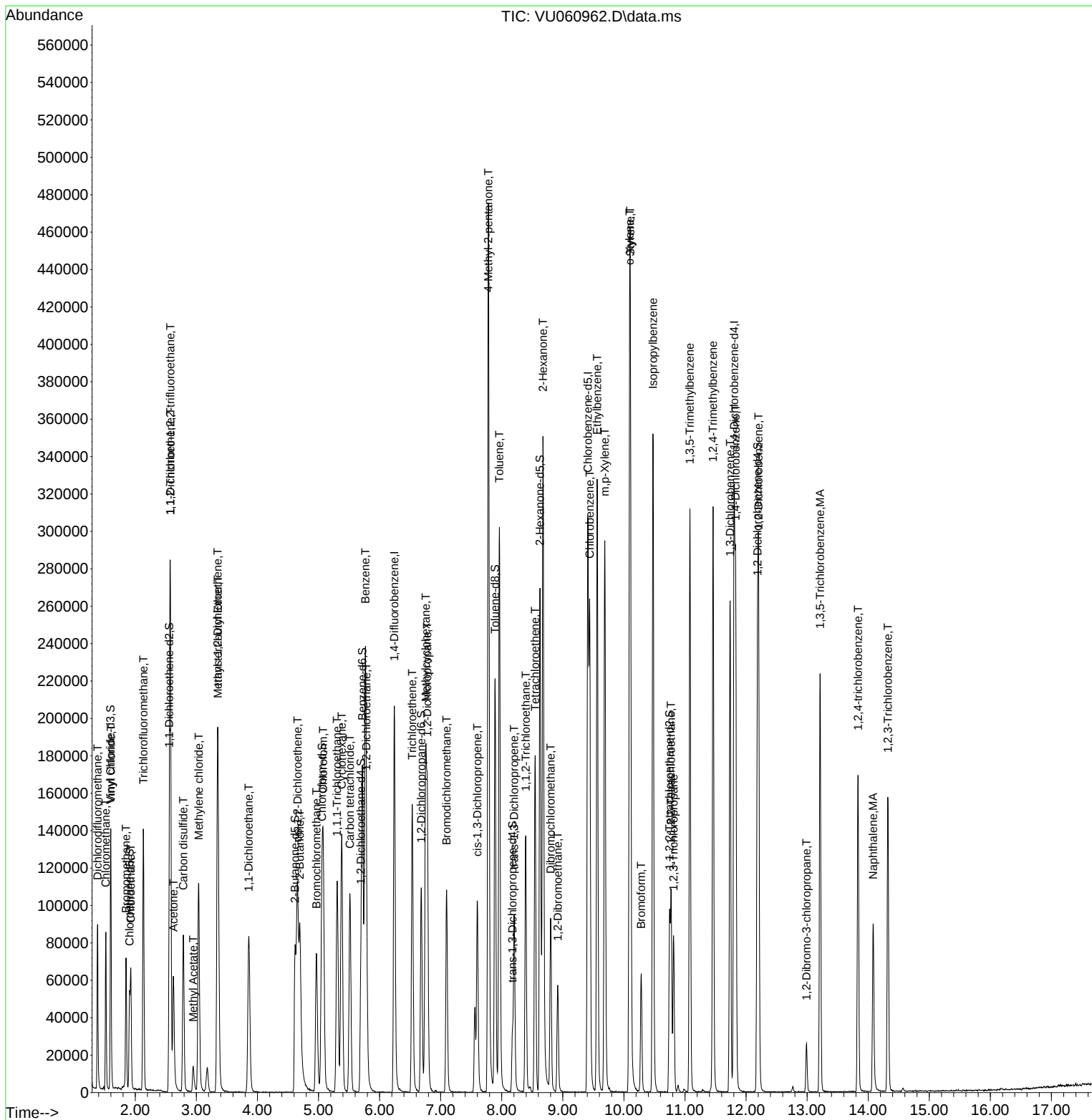
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 ClientSampleId :

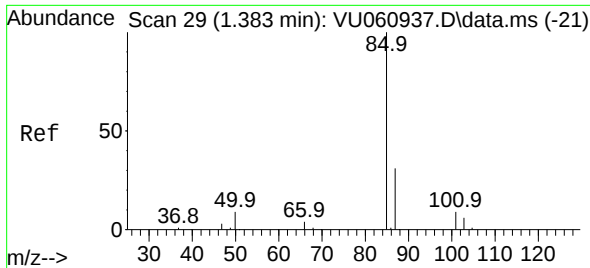
Quant Time: Sep 21 01:47:00 2024
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	61595	4.589	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	85649	4.538	ug/L	99
30) Cyclohexane	5.380	56	64639	4.167	ug/L	97
31) Carbon tetrachloride	5.515	117	75777	4.535	ug/L	98
33) Benzene	5.766	78	212953	4.430	ug/L	100
34) Trichloroethene	6.534	95	56820	4.509	ug/L	94
35) Methylcyclohexane	6.756	83	66611	3.853	ug/L	99
37) 1,2-Dichloropropane	6.782	63	62401	4.711	ug/L #	97
38) Bromodichloromethane	7.097	83	73528	4.525	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	66520	3.776	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	297678	48.126	ug/L	100
42) Toluene	7.962	91	231349	4.603	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	59017	4.074	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	43580	4.557	ug/L	96
47) Tetrachloroethene	8.547	164	40012	3.996	ug/L	98
48) 2-Hexanone	8.676	43	221845	49.205	ug/L	97
49) Dibromochloromethane	8.801	129	48781	4.481	ug/L	99
50) 1,2-Dibromoethane	8.917	107	38623	4.526	ug/L #	97
51) Chlorobenzene	9.441	112	143250	4.244	ug/L	98
52) Ethylbenzene	9.563	91	225998	4.271	ug/L	98
53) m,p-Xylene	9.688	106	88087	4.391	ug/L	89
54) o-Xylene	10.094	106	84921	4.289	ug/L	97
55) Styrene	10.106	104	147752	4.428	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	53815	4.512	ug/L #	97
59) Bromoform	10.283	173	29238	4.699	ug/L	98
60) Isopropylbenzene	10.476	105	225395	4.607	ug/L	98
61) 1,2,3-Trichloropropane	10.814	75	37764	4.904	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	165449	4.351	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	168054	4.473	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	108347	4.404	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	108134	4.252	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	102581	4.410	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	7113	4.731	ug/L	85
69) 1,3,5-Trichlorobenzene	13.212	180	71051	3.861	ug/L	96
70) 1,2,4-trichlorobenzene	13.833	180	53899	4.158	ug/L	99
71) Naphthalene	14.081	128	81157	4.747	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	51512	4.600	ug/L	99

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

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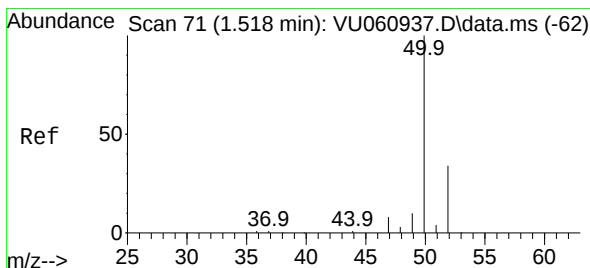
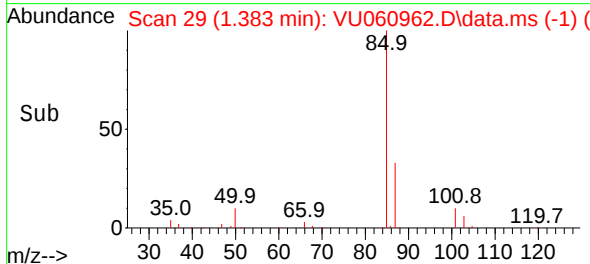
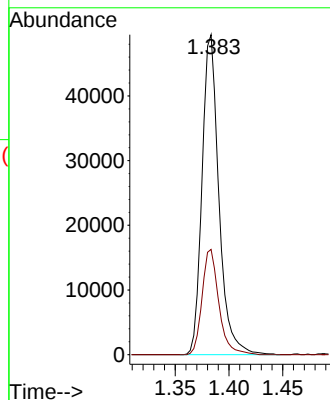
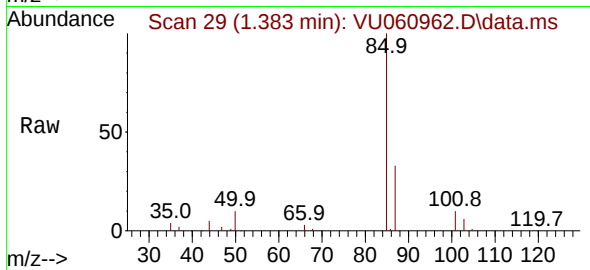




#2
 Dichlorodifluoromethane
 Concen: 4.200 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU060962.D
 Acq: 20 Sep 2024 23:20

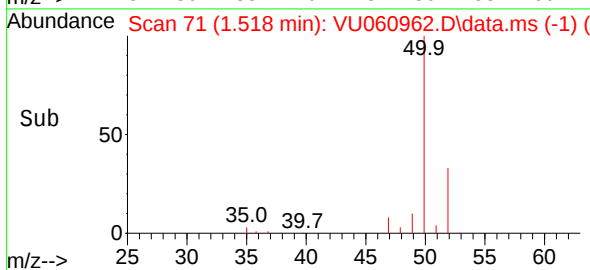
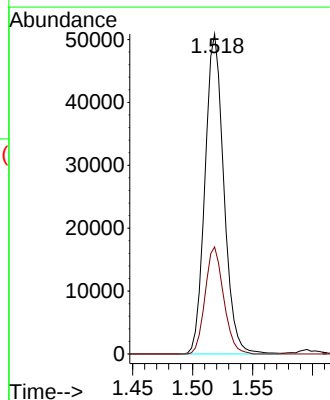
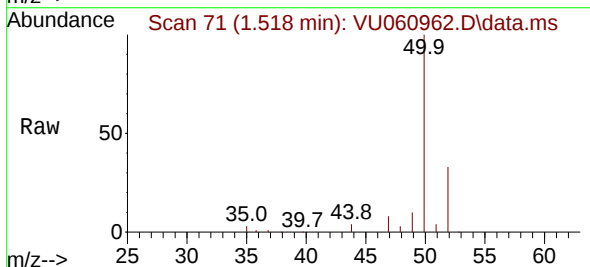
Instrument :
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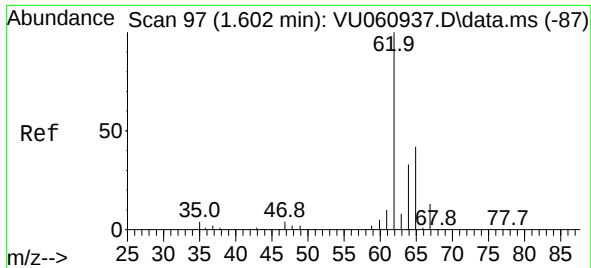
Tgt Ion: 85 Resp: 53818
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.2



#3
 Chloromethane
 Concen: 4.107 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU060962.D
 Acq: 20 Sep 2024 23:20

Tgt Ion: 50 Resp: 55592
 Ion Ratio Lower Upper
 50 100
 52 33.4 24.4 45.4

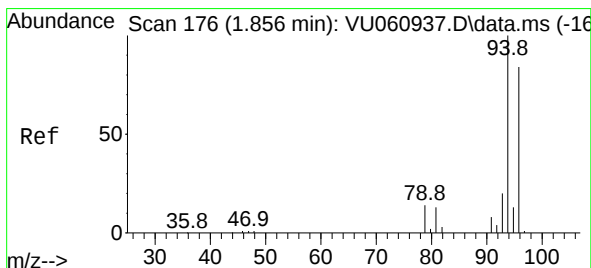
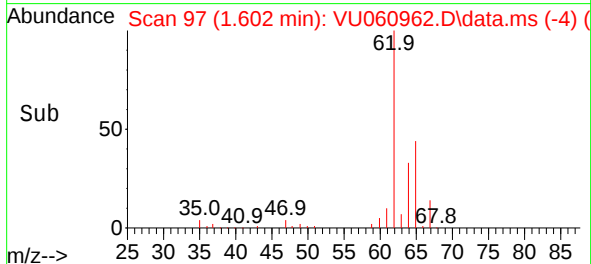
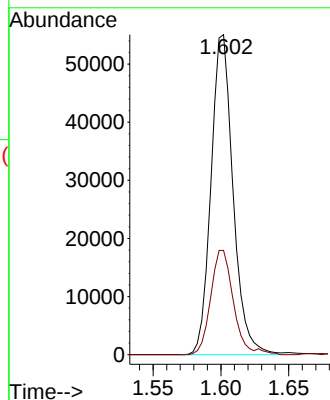
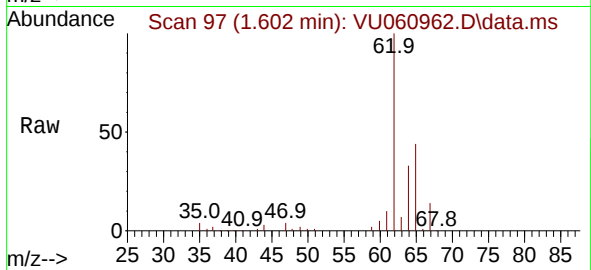




#5
 Vinyl chloride
 Concen: 4.257 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060962.D
 Acq: 20 Sep 2024 23:20

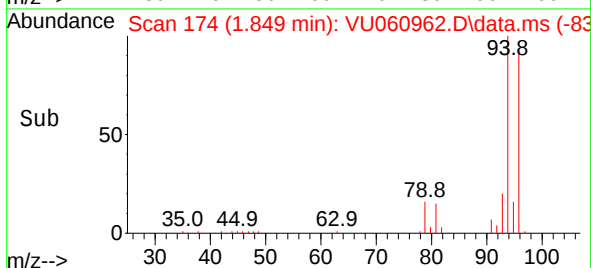
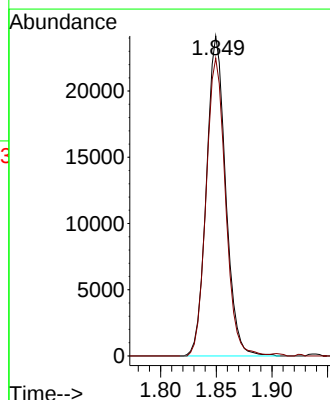
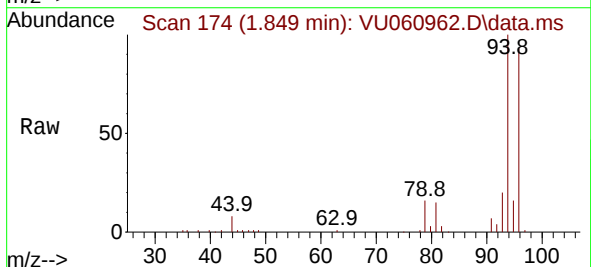
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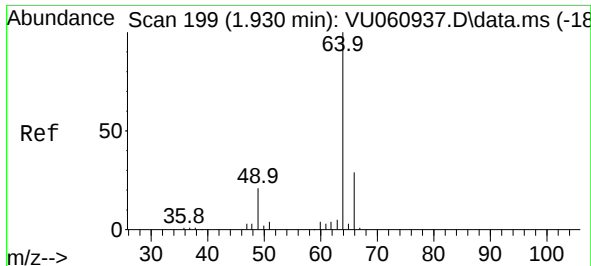
Tgt Ion: 62 Resp: 62367
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.0 44.6



#6
 Bromomethane
 Concen: 3.099 ug/L
 RT: 1.849 min Scan# 174
 Delta R.T. -0.007 min
 Lab File: VU060962.D
 Acq: 20 Sep 2024 23:20

Tgt Ion: 94 Resp: 29010
 Ion Ratio Lower Upper
 94 100
 96 93.0 67.3 124.9

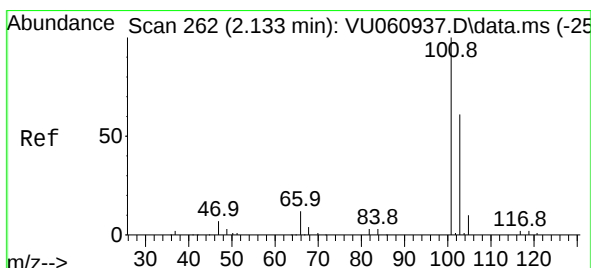
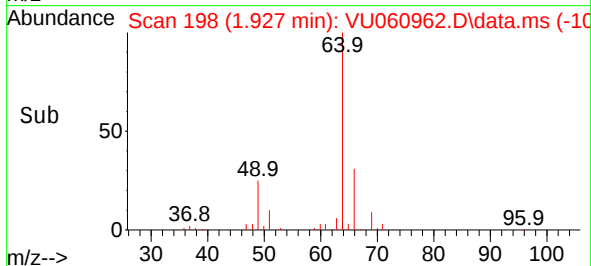
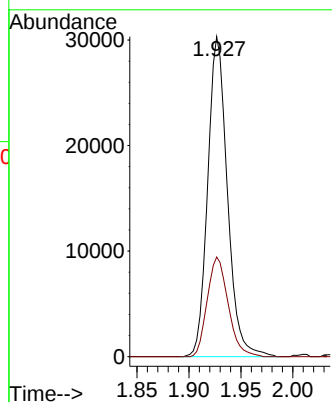
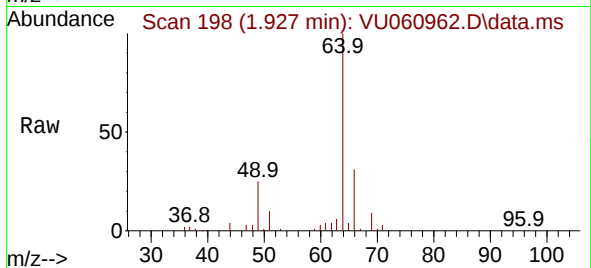




#8
Chloroethane
Concen: 4.455 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

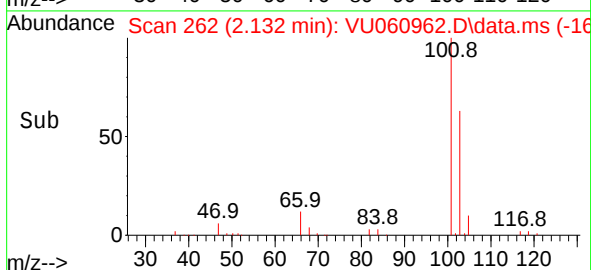
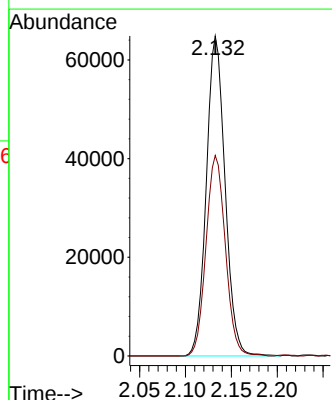
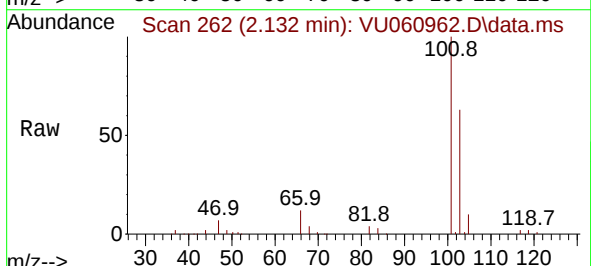
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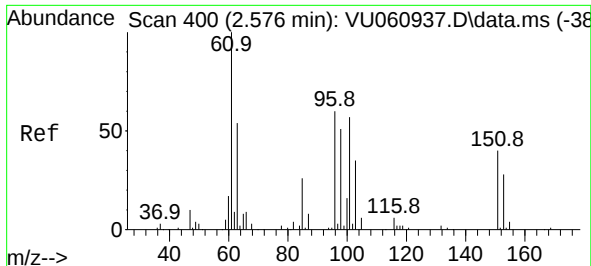
Tgt Ion: 64 Resp: 39877
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.586 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion:101 Resp: 92278
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2

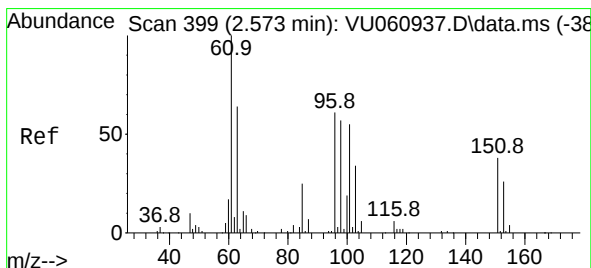
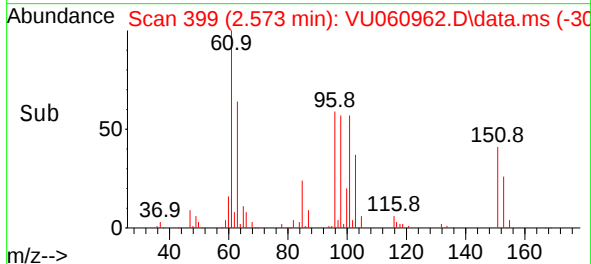
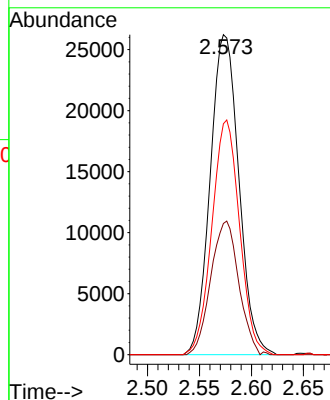
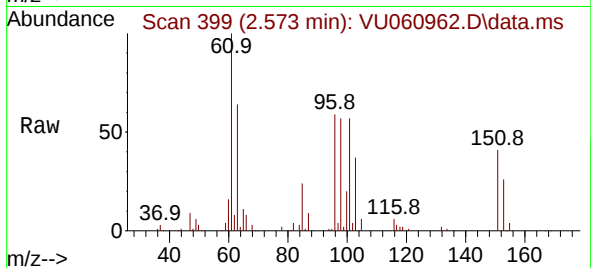




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.299 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

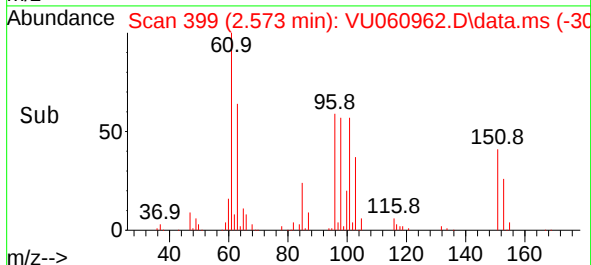
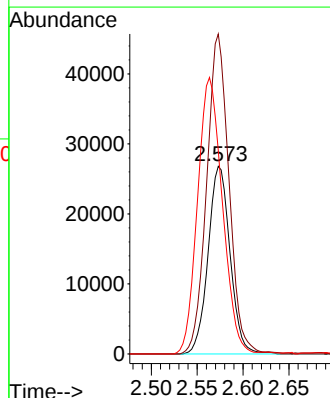
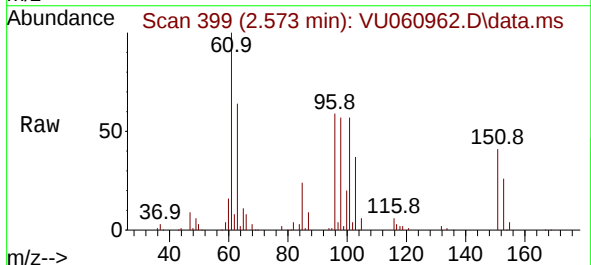
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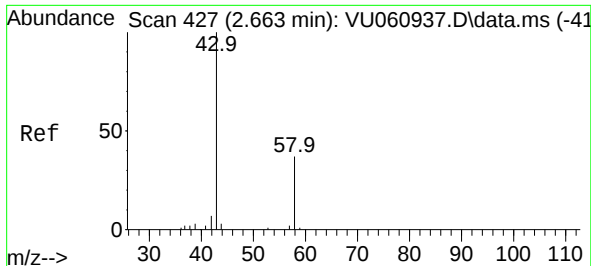
Tgt Ion:101 Resp: 50270
Ion Ratio Lower Upper
101 100
85 40.8 34.2 51.4
151 70.7 58.6 88.0



#12
1,1-Dichloroethene
Concen: 4.187 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion: 96 Resp: 44709
Ion Ratio Lower Upper
96 100
61 170.4 120.7 224.1
63 108.4 90.0 167.2





#13

Acetone

Concen: 43.581 ug/L

RT: 2.624 min Scan# 415

Delta R.T. -0.039 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

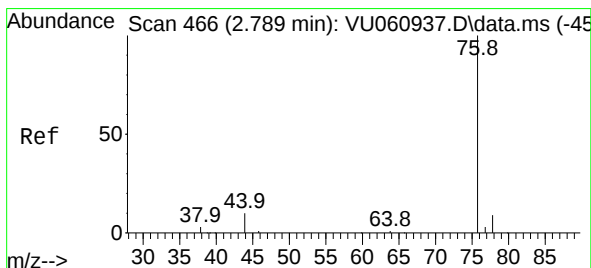
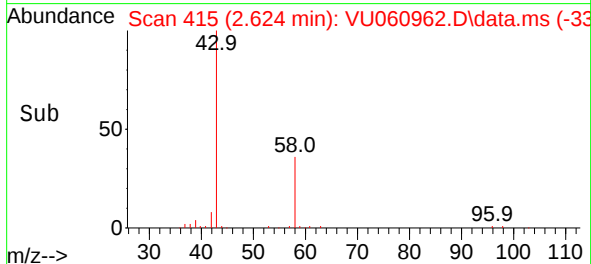
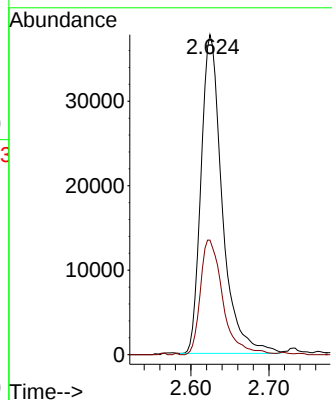
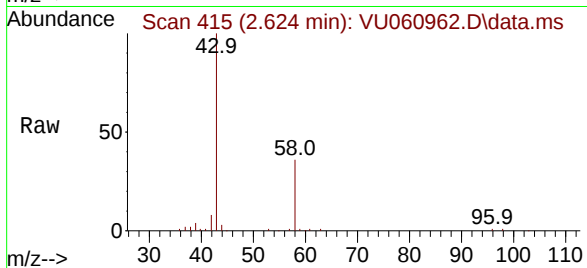
ClientSampleId :

Tgt Ion: 43 Resp: 71267

Ion Ratio Lower Upper

43 100

58 38.1 0.0 69.6



#14

Carbon disulfide

Concen: 3.922 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU060962.D

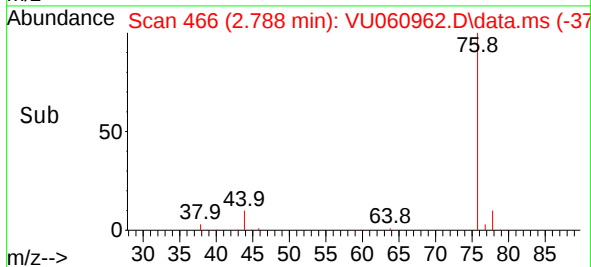
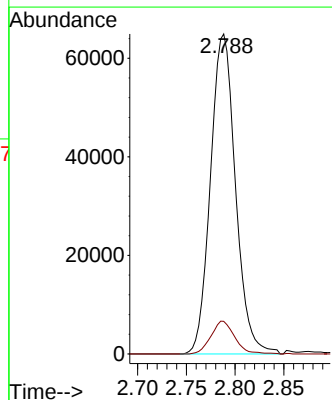
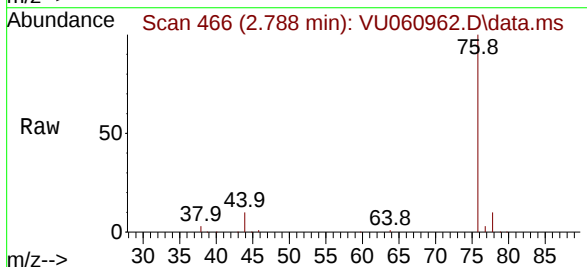
Acq: 20 Sep 2024 23:20

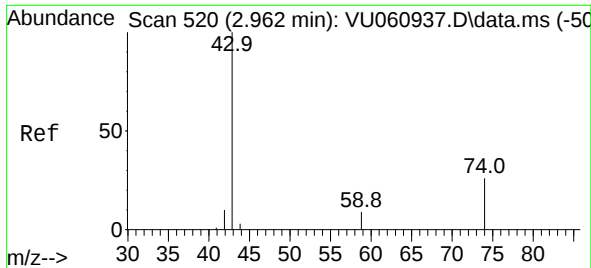
Tgt Ion: 76 Resp: 116166

Ion Ratio Lower Upper

76 100

78 10.2 7.1 10.7





#15

Methyl Acetate

Concen: 5.093 ug/L

RT: 2.949 min Scan# 516

Delta R.T. -0.013 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

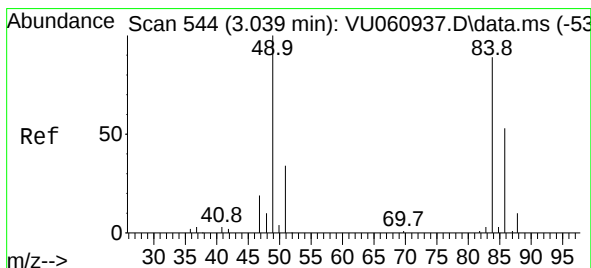
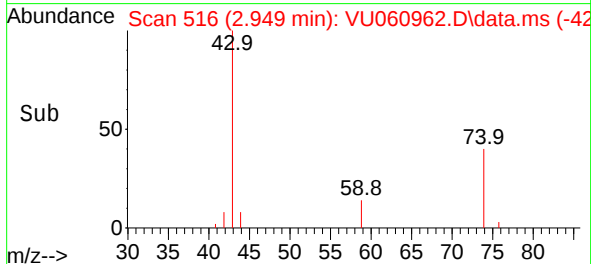
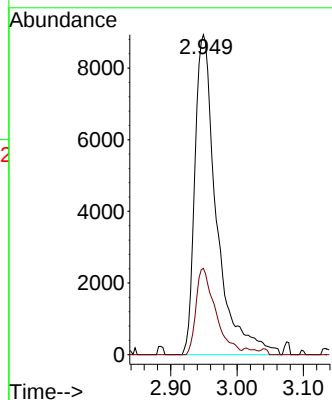
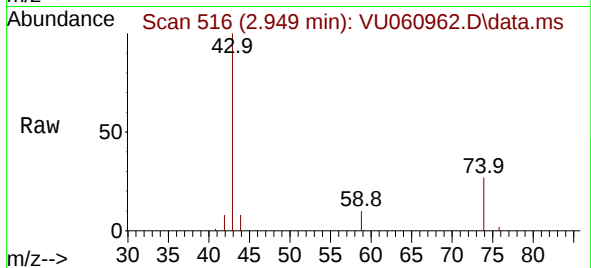
ClientSampleId :

Tgt Ion: 43 Resp: 20307

Ion Ratio Lower Upper

43 100

74 24.4 18.9 28.3



#16

Methylene chloride

Concen: 4.686 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

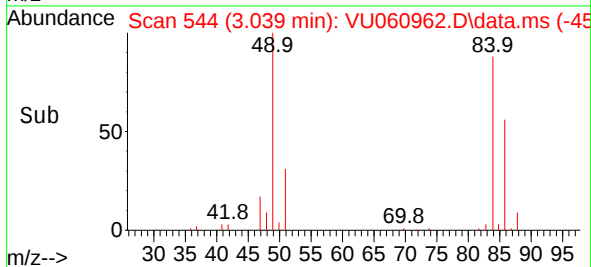
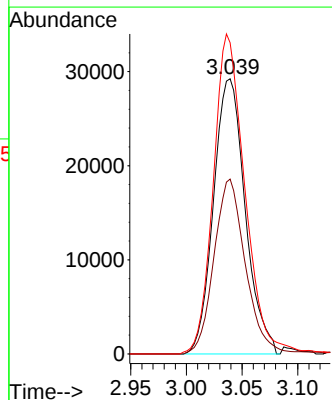
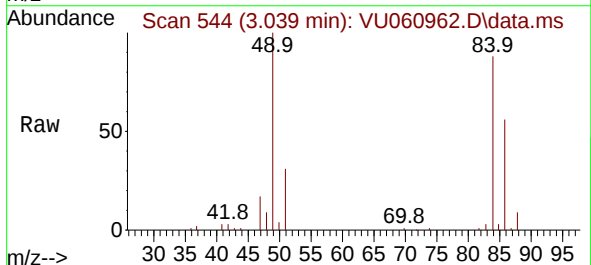
Tgt Ion: 84 Resp: 57949

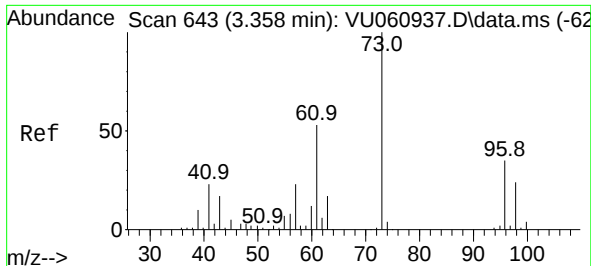
Ion Ratio Lower Upper

84 100

86 63.5 47.3 87.8

49 113.1 78.7 146.1





#17

Methyl tert-butyl Ether

Concen: 4.517 ug/L

RT: 3.354 min Scan# 643

Delta R.T. -0.003 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

ClientSampleId :

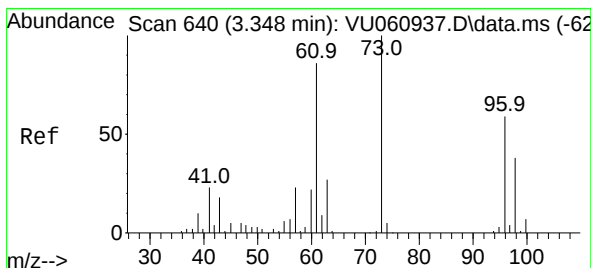
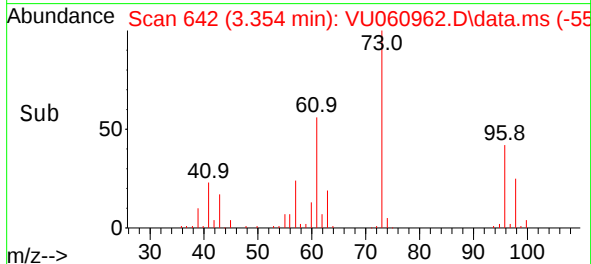
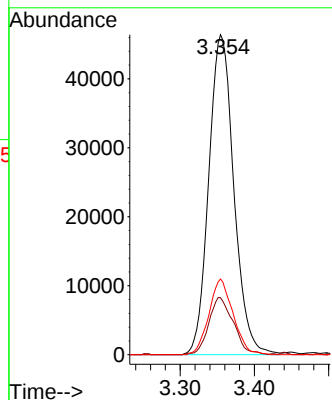
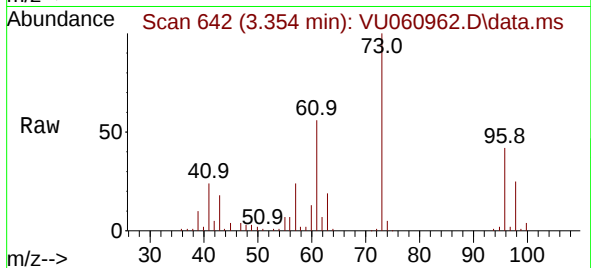
Tgt Ion: 73 Resp: 109009

Ion Ratio Lower Upper

73 100

43 17.5 13.8 20.8

57 22.7 18.0 27.0



#18

trans-1,2-Dichloroethene

Concen: 4.121 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

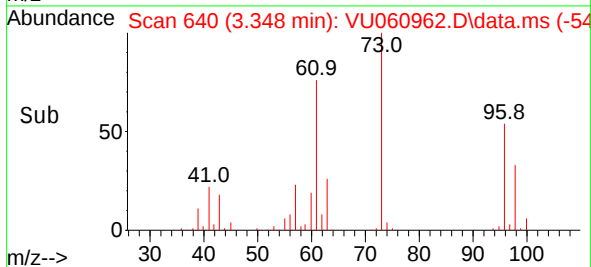
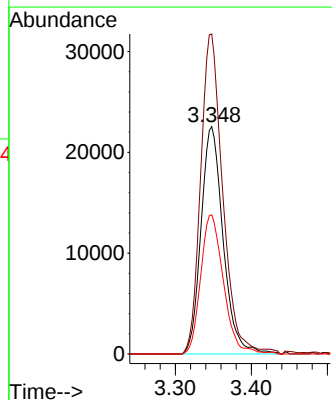
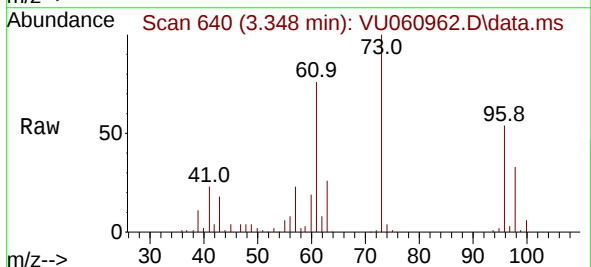
Tgt Ion: 96 Resp: 45595

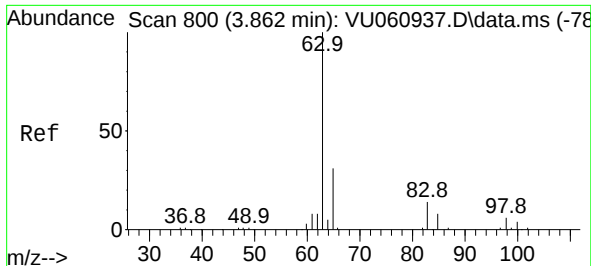
Ion Ratio Lower Upper

96 100

61 140.8 97.2 180.6

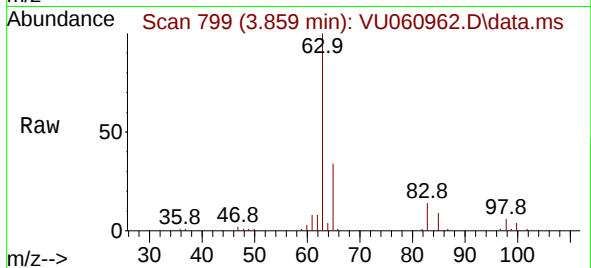
98 61.2 43.3 80.5



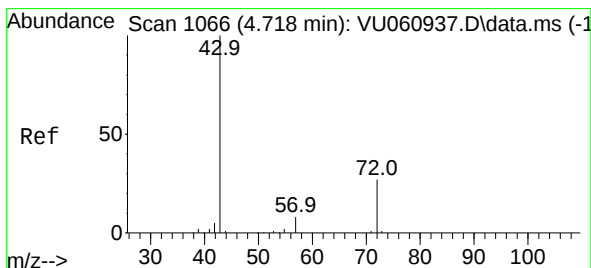
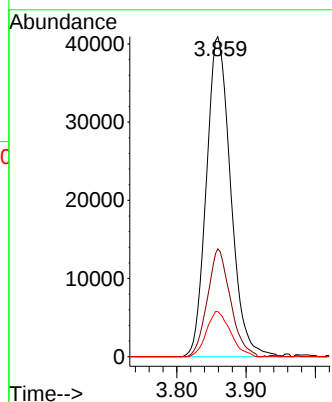
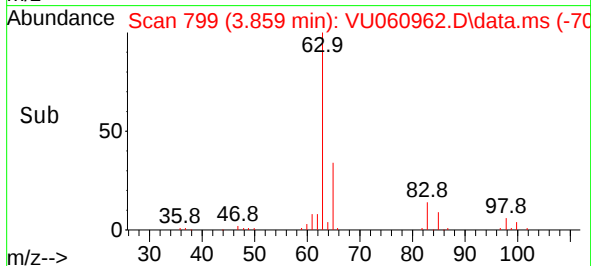


#19
1,1-Dichloroethane
Concen: 4.484 ug/L
RT: 3.859 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Instrument :
MSVOA_U
ClientSampleId :

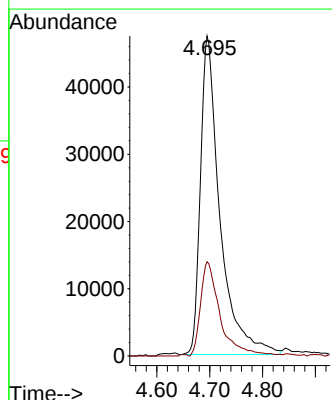
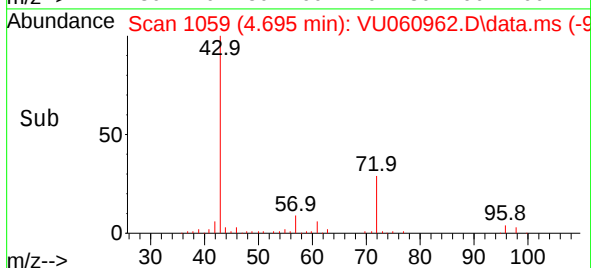
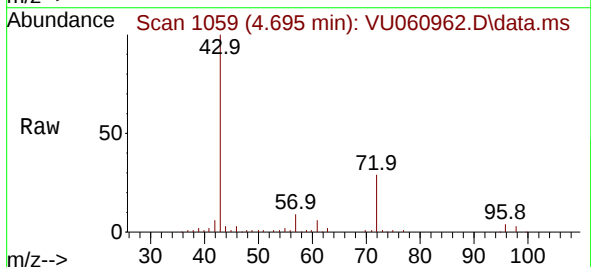


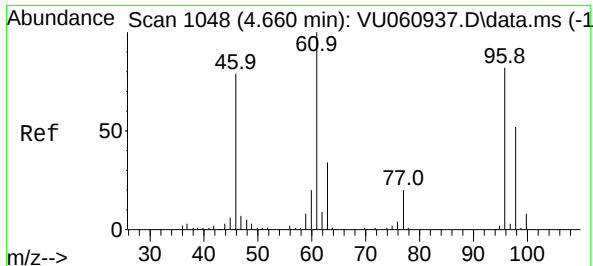
Tgt Ion: 63	Resp: 99613
Ion Ratio	Lower Upper
63 100	
65 34.2	23.0 42.8
83 14.1	9.0 16.6



#21
2-Butanone
Concen: 45.599 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.023 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

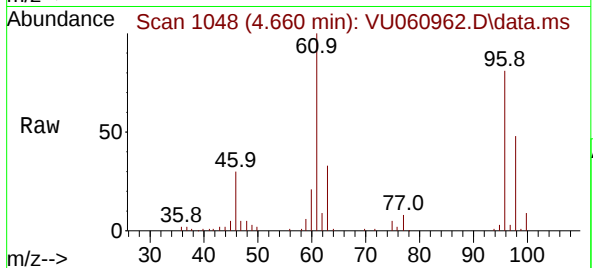
Tgt Ion: 43	Resp: 121384
Ion Ratio	Lower Upper
43 100	
72 29.6	14.8 44.3



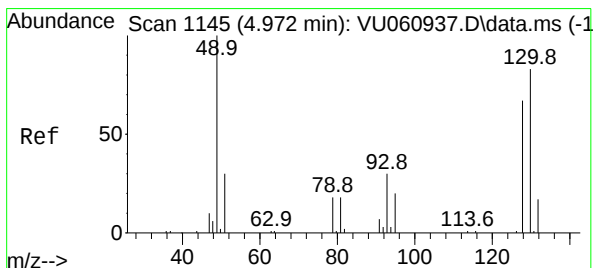
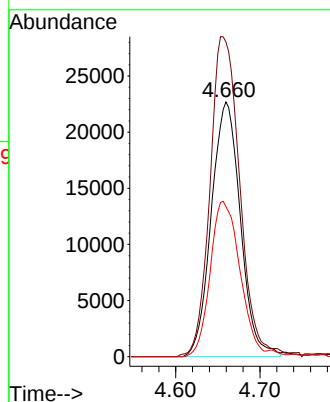
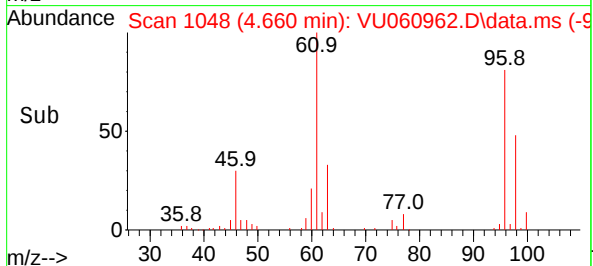


#22
cis-1,2-Dichloroethene
Concen: 4.438 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

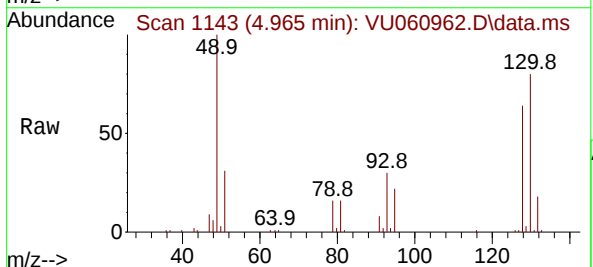
Instrument :
MSVOA_U
ClientSampleId :



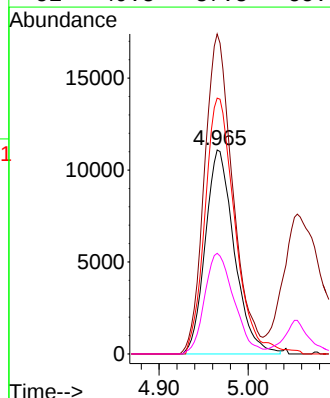
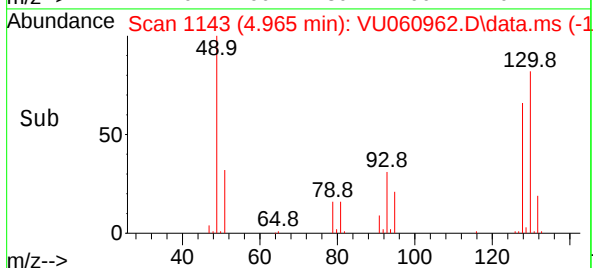
Tgt Ion: 96 Resp: 54351
Ion Ratio Lower Upper
96 100
61 123.5 89.7 166.5
98 58.9 45.1 83.9

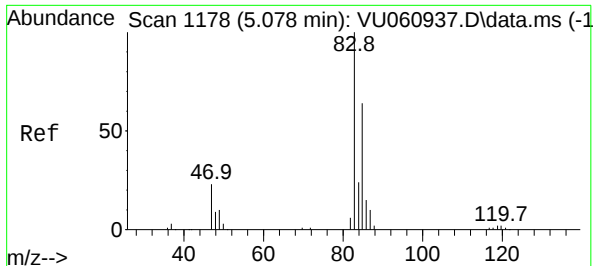


#23
Bromochloromethane
Concen: 4.320 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.007 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20



Tgt Ion: 128 Resp: 24987
Ion Ratio Lower Upper
128 100
49 156.9 109.6 203.6
130 125.4 87.8 163.0
51 49.3 37.3 55.9





#25

Chloroform

Concen: 4.595 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

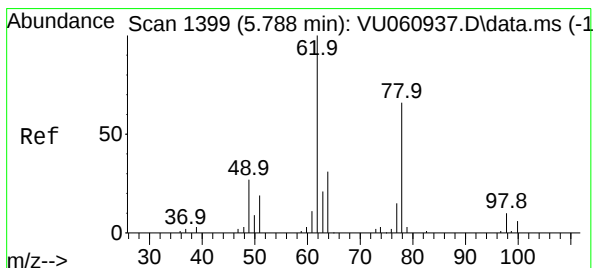
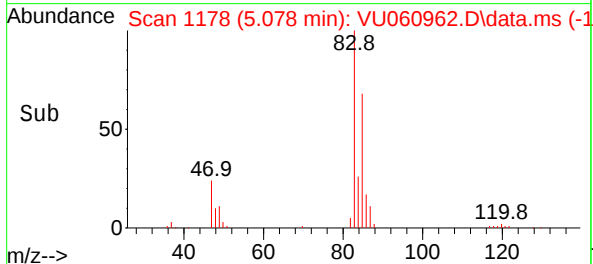
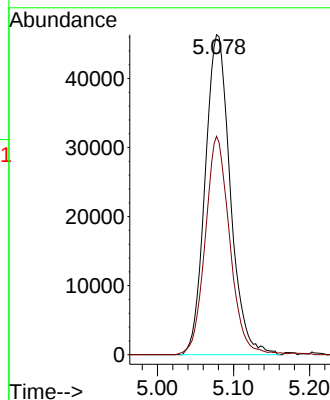
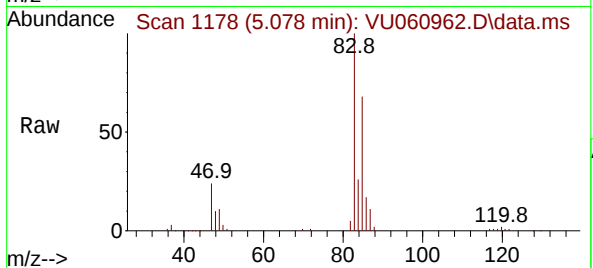
ClientSampleId :

Tgt Ion: 83 Resp: 106436

Ion Ratio Lower Upper

83 100

85 68.3 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.589 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU060962.D

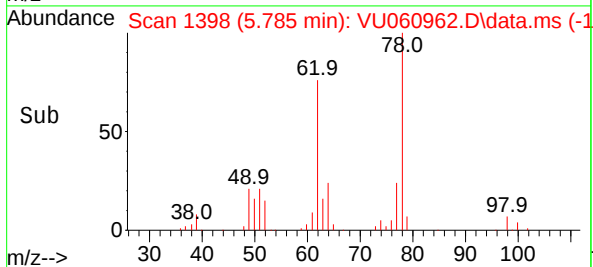
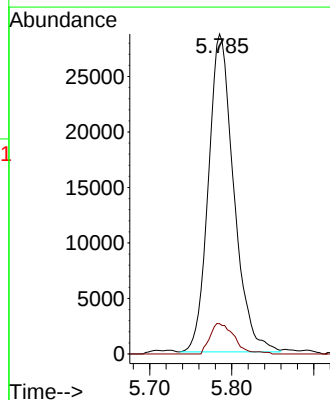
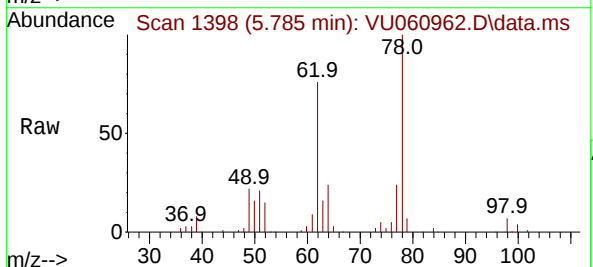
Acq: 20 Sep 2024 23:20

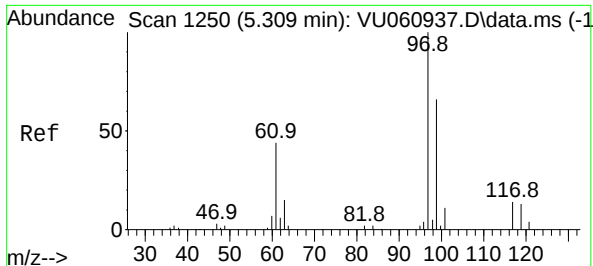
Tgt Ion: 62 Resp: 61595

Ion Ratio Lower Upper

62 100

98 9.4 8.2 12.4

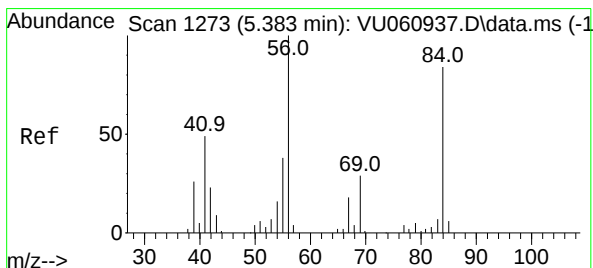
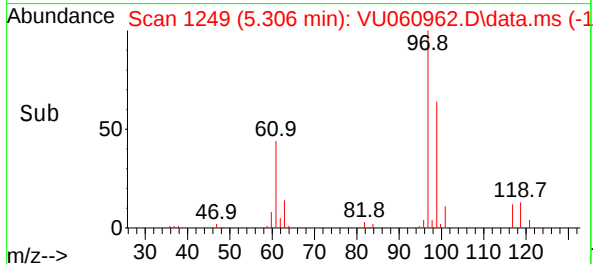
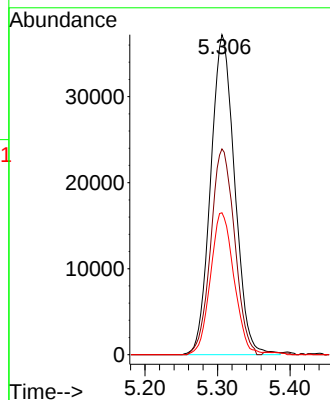
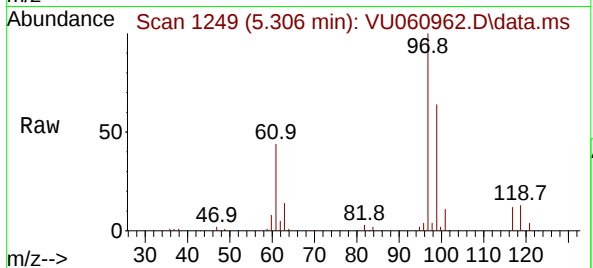




#29
1,1,1-Trichloroethane
Concen: 4.538 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

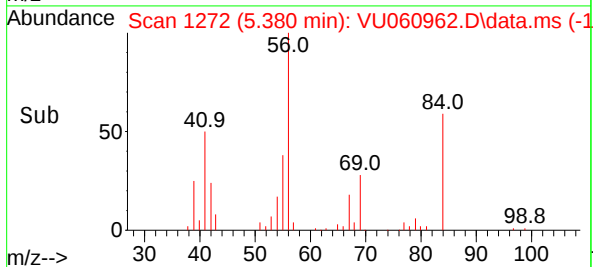
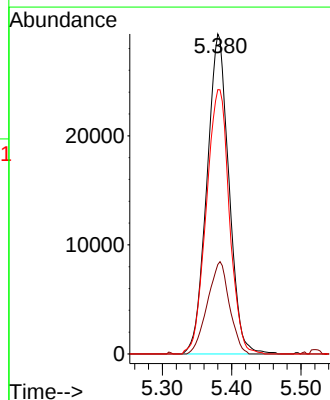
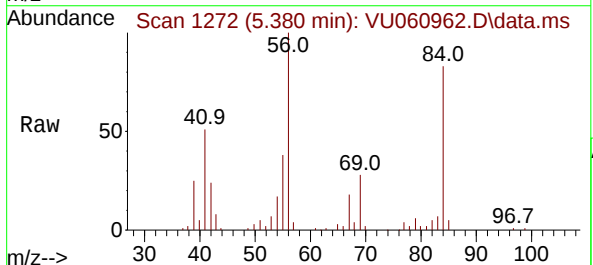
Instrument :
MSVOA_U
ClientSampleId :

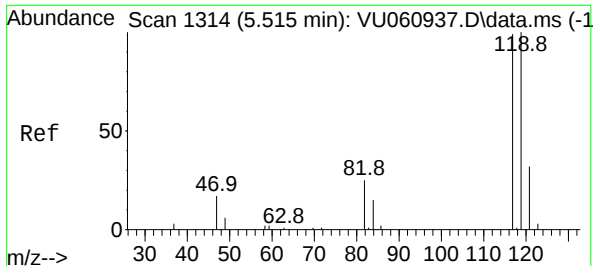
Tgt Ion: 97 Resp: 85649
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 43.4 34.4 51.6



#30
Cyclohexane
Concen: 4.167 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion: 56 Resp: 64639
Ion Ratio Lower Upper
56 100
69 28.8 25.4 38.0
84 86.6 71.0 106.6

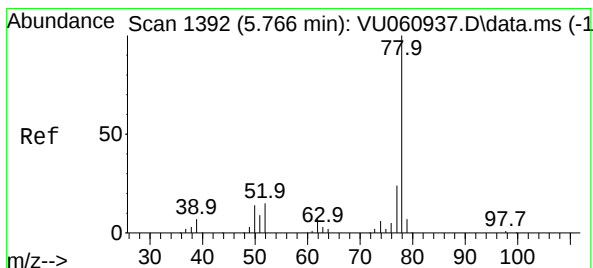
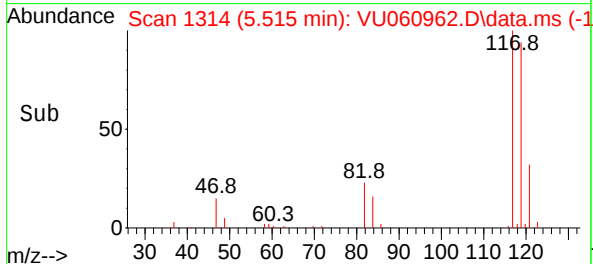
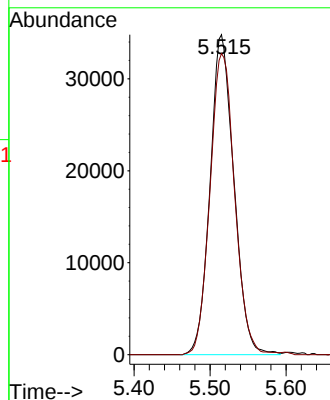
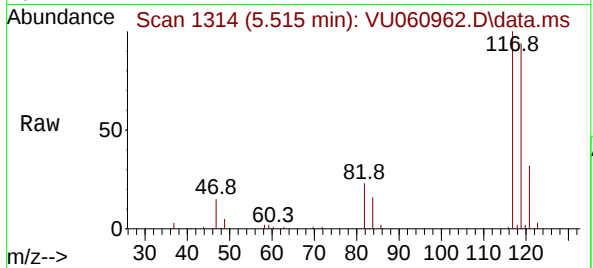




#31
Carbon tetrachloride
Concen: 4.535 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

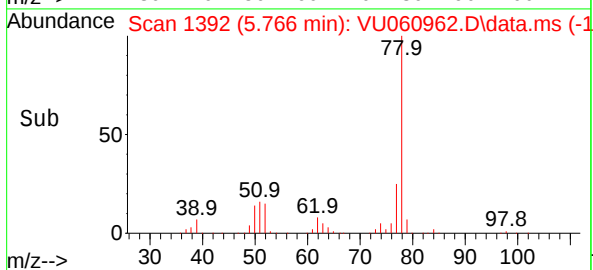
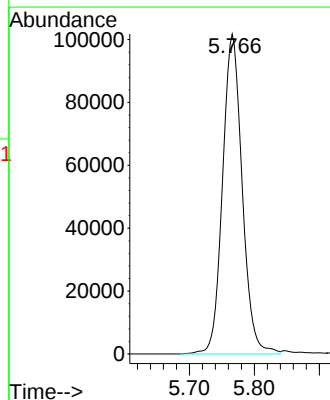
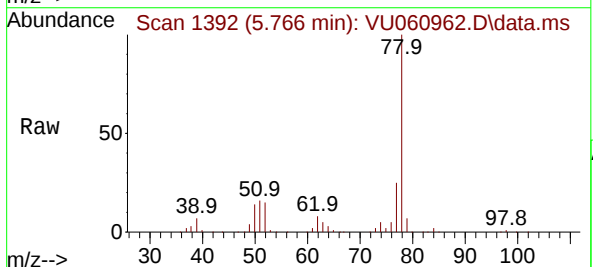
Instrument :
MSVOA_U
ClientSampleId :

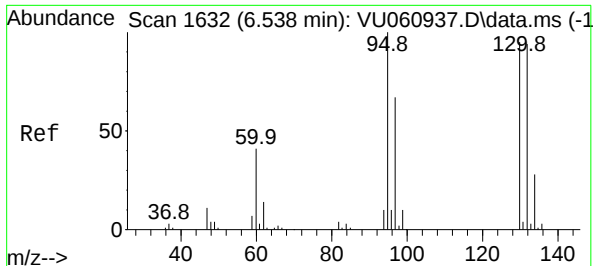
Tgt Ion:117 Resp: 75777
Ion Ratio Lower Upper
117 100
119 97.4 76.3 114.5



#33
Benzene
Concen: 4.430 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion: 78 Resp: 212953

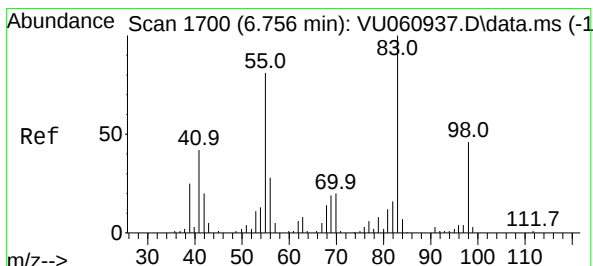
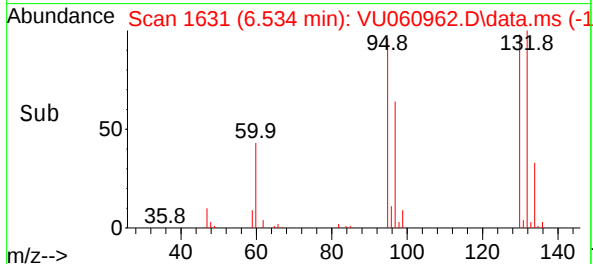
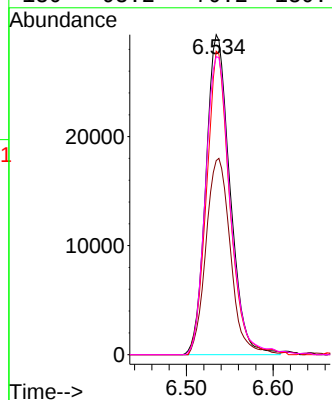
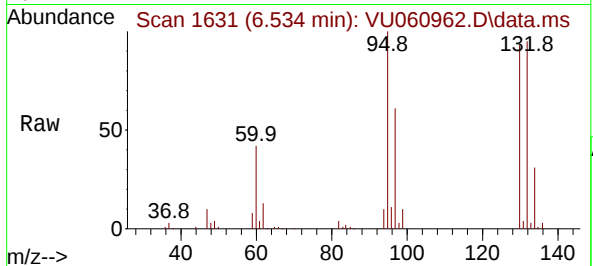




#34
Trichloroethene
Concen: 4.509 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

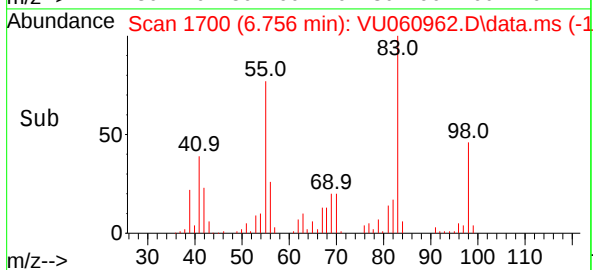
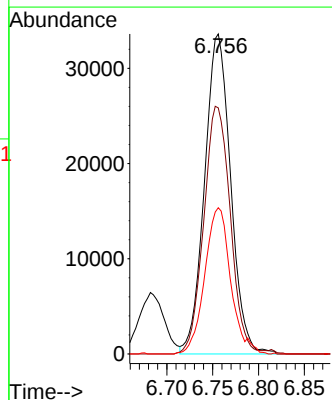
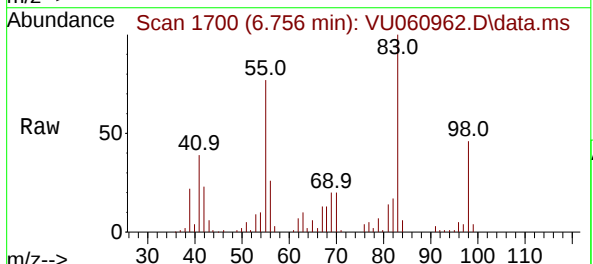
Instrument :
MSVOA_U
ClientSampleId :

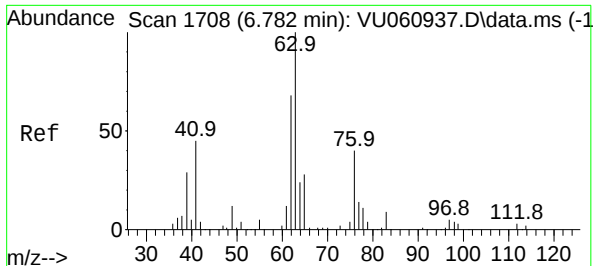
Tgt Ion: 95 Resp: 56820
Ion Ratio Lower Upper
95 100
97 60.6 44.9 83.5
132 94.8 63.5 117.9
130 93.2 70.2 130.4



#35
Methylcyclohexane
Concen: 3.853 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion: 83 Resp: 66611
Ion Ratio Lower Upper
83 100
55 78.6 62.6 94.0
98 45.4 37.6 56.4

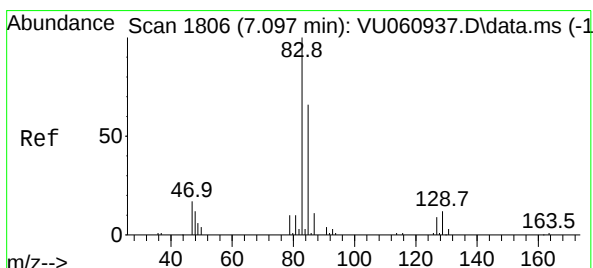
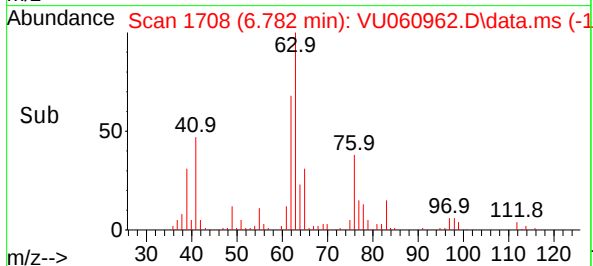
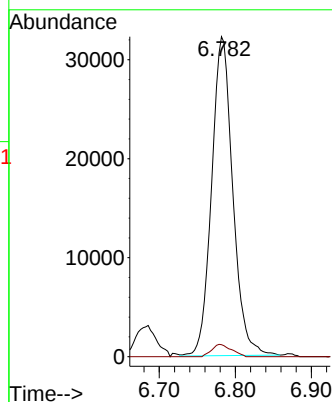
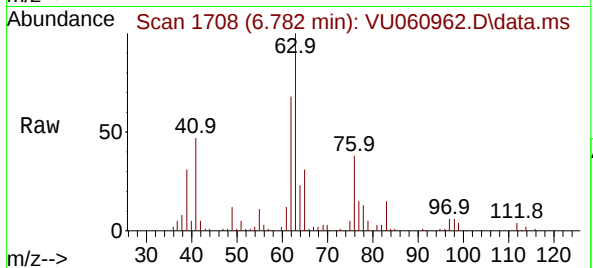




#37
1,2-Dichloropropane
Concen: 4.711 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

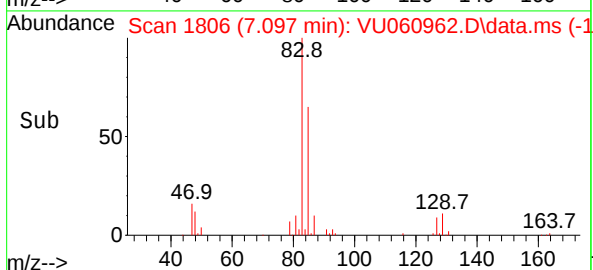
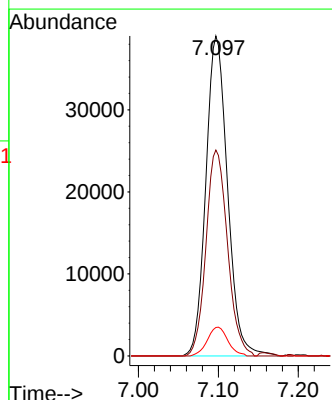
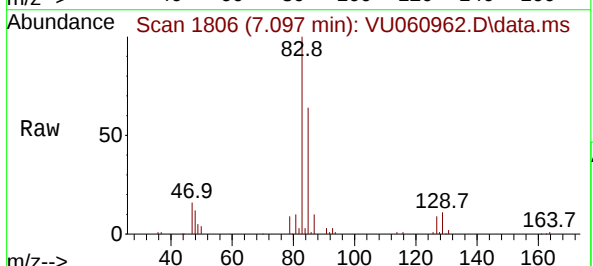
Instrument :
MSVOA_U
ClientSampleId :

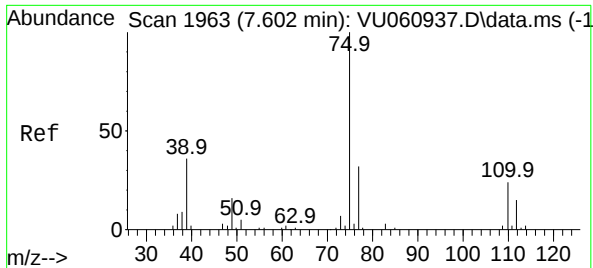
Tgt Ion: 63 Resp: 62401
Ion Ratio Lower Upper
63 100
112 3.6 2.0 3.0#



#38
Bromodichloromethane
Concen: 4.525 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion: 83 Resp: 73528
Ion Ratio Lower Upper
83 100
85 64.3 45.6 84.8
127 8.9 7.0 10.6

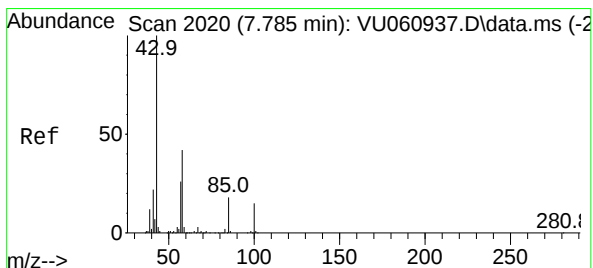
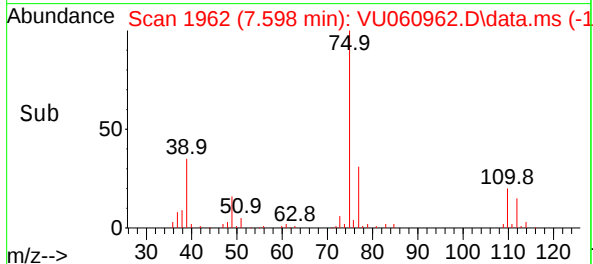
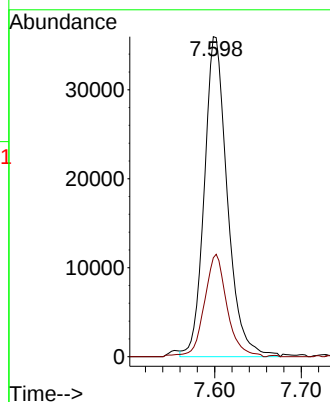
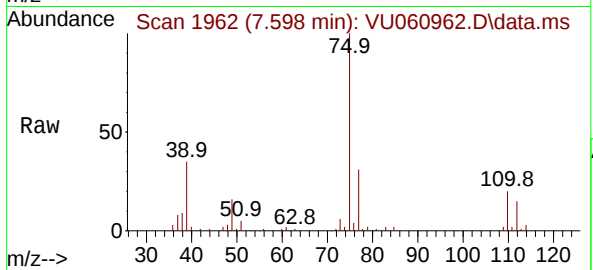




#39
 cis-1,3-Dichloropropene
 Concen: 3.776 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU060962.D
 Acq: 20 Sep 2024 23:20

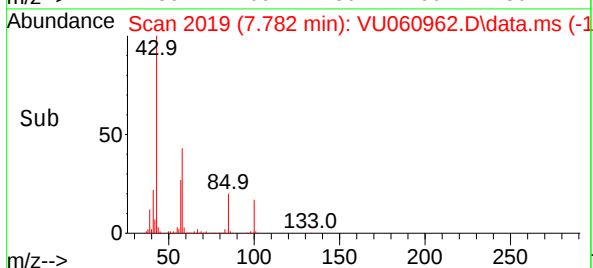
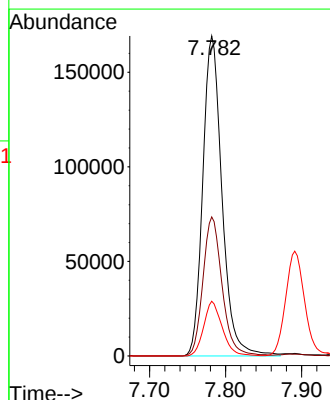
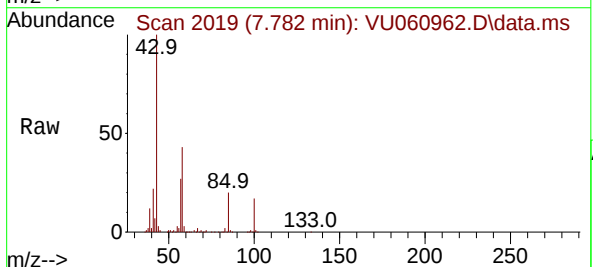
Instrument :
 MSVOA_U
 ClientSampleId :

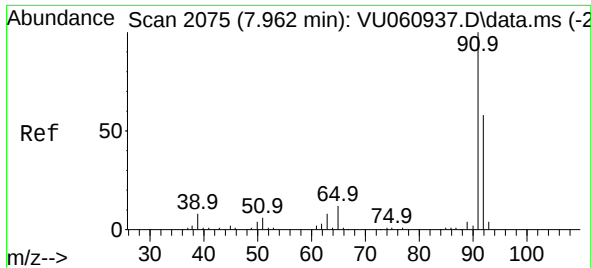
Tgt Ion: 75 Resp: 66520
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 48.126 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU060962.D
 Acq: 20 Sep 2024 23:20

Tgt Ion: 43 Resp: 297678
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.9 52.3
 100 16.5 13.4 20.0





#42

Toluene

Concen: 4.603 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

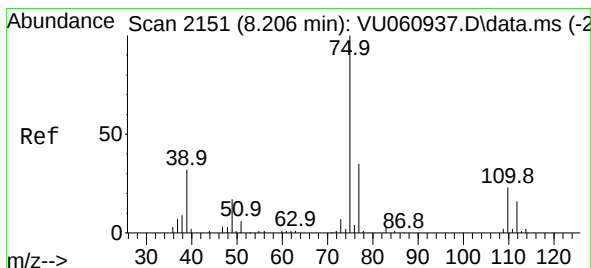
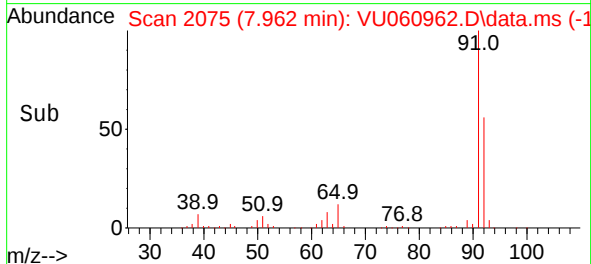
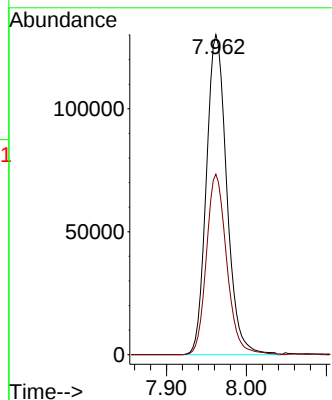
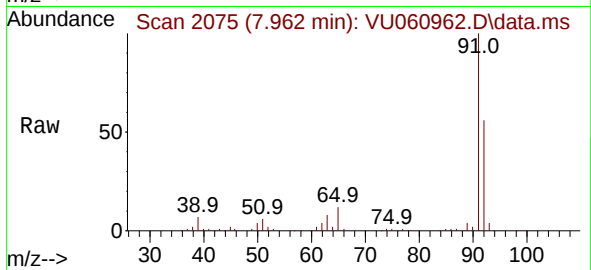
ClientSampleId :

Tgt Ion: 91 Resp: 231349

Ion Ratio Lower Upper

91 100

92 56.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.074 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU060962.D

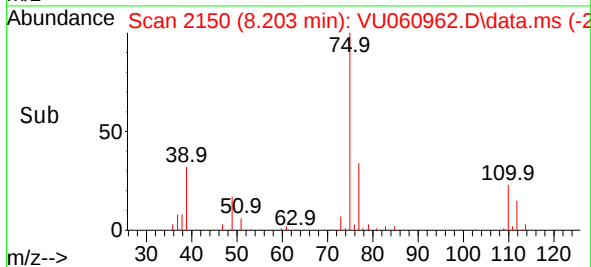
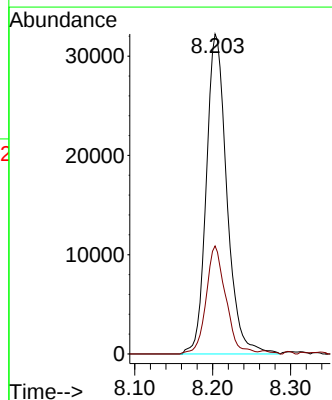
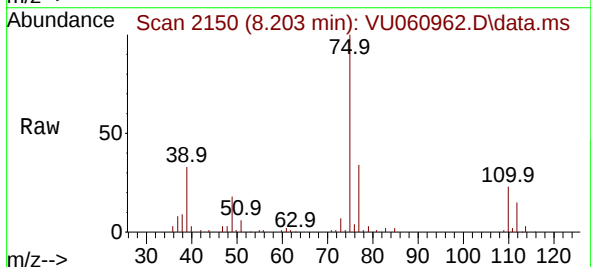
Acq: 20 Sep 2024 23:20

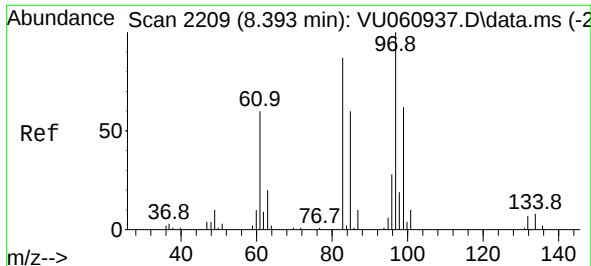
Tgt Ion: 75 Resp: 59017

Ion Ratio Lower Upper

75 100

77 33.8 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 4.557 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 43580

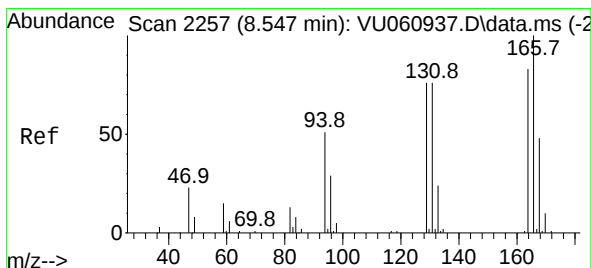
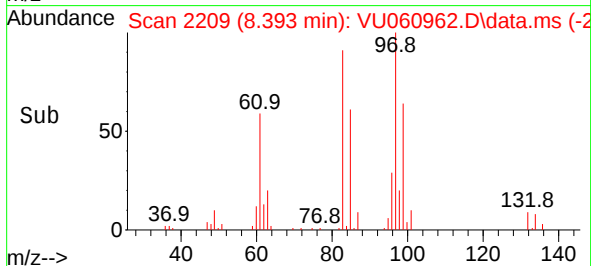
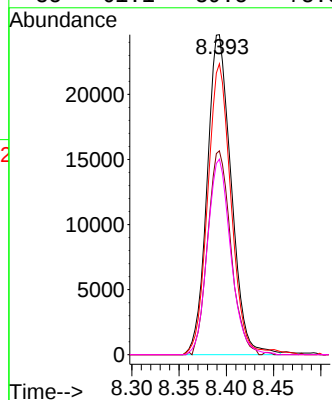
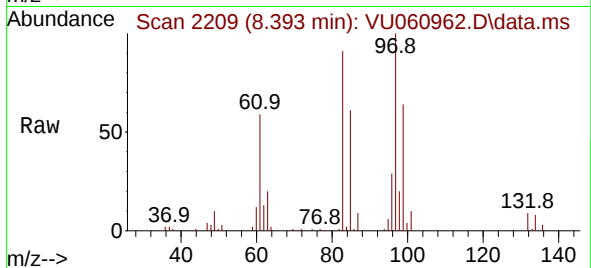
Ion Ratio Lower Upper

97 100

99 63.7 42.3 78.5

83 90.9 61.7 114.5

85 61.1 39.5 73.3



#47

Tetrachloroethene

Concen: 3.996 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Tgt Ion: 164 Resp: 40012

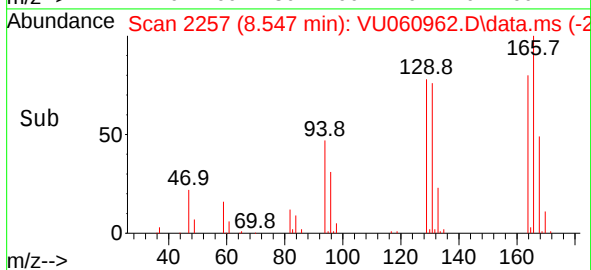
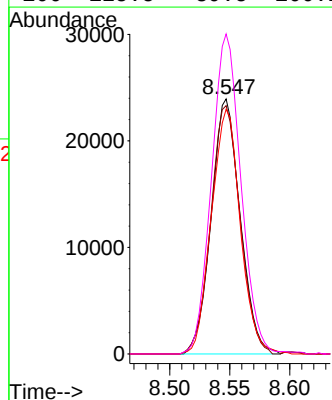
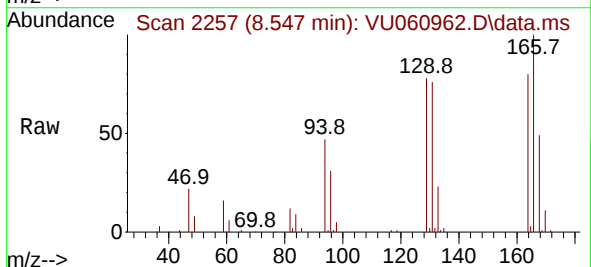
Ion Ratio Lower Upper

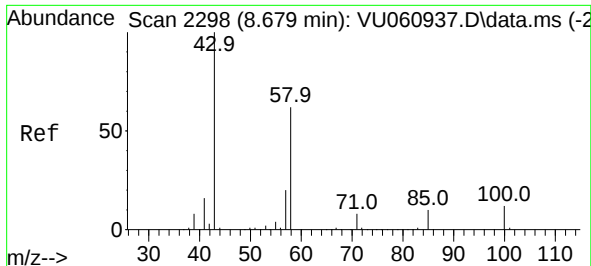
164 100

129 97.4 67.3 124.9

131 95.9 65.4 121.4

166 125.5 89.5 166.1





#48

2-Hexanone

Concen: 49.205 ug/L

RT: 8.676 min Scan# 2298

Delta R.T. -0.003 min

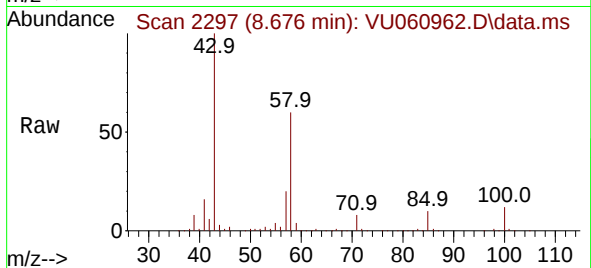
Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 221845

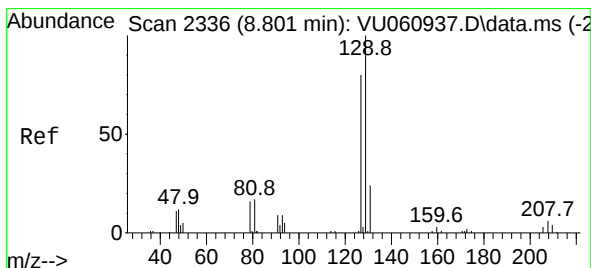
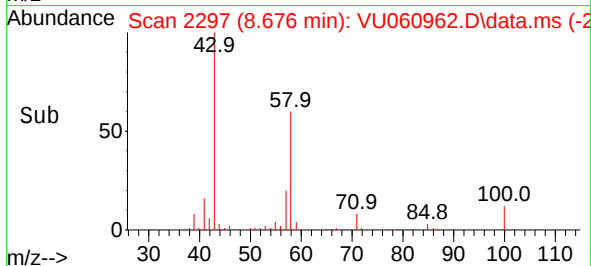
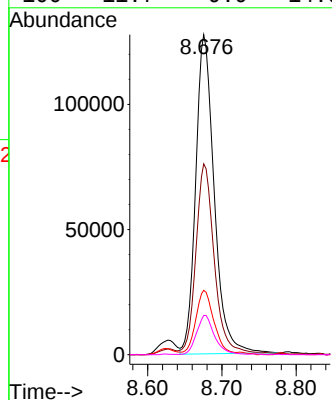
Ion Ratio Lower Upper

43 100

58 58.0 48.3 72.5

57 18.6 15.9 23.9

100 11.7 9.9 14.9



#49

Dibromochloromethane

Concen: 4.481 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU060962.D

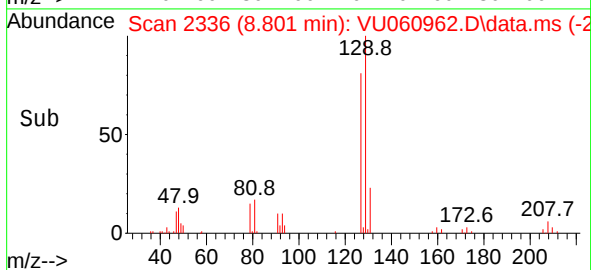
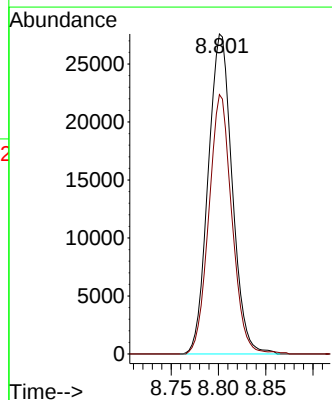
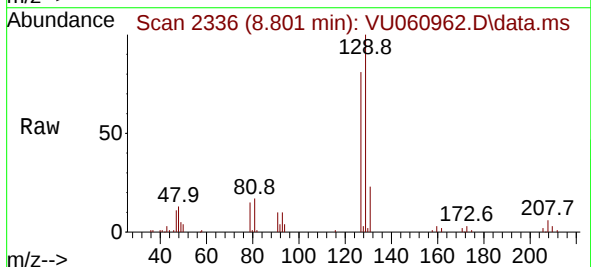
Acq: 20 Sep 2024 23:20

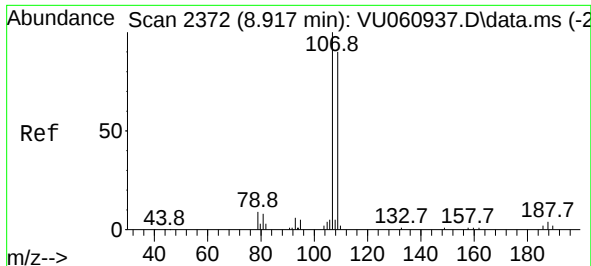
Tgt Ion: 129 Resp: 48781

Ion Ratio Lower Upper

129 100

127 81.1 56.1 104.1

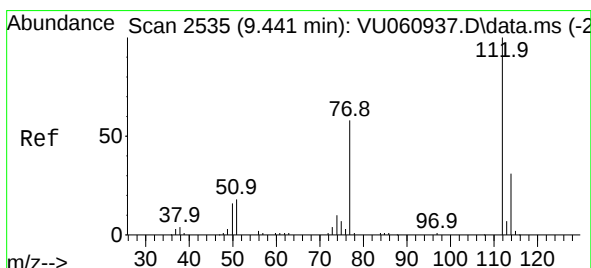
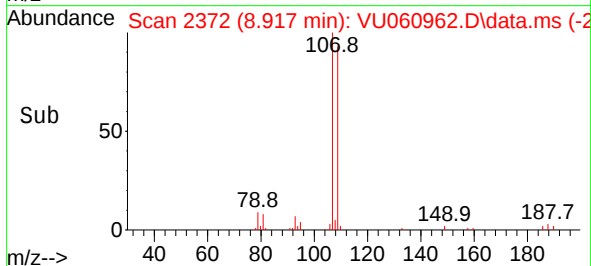
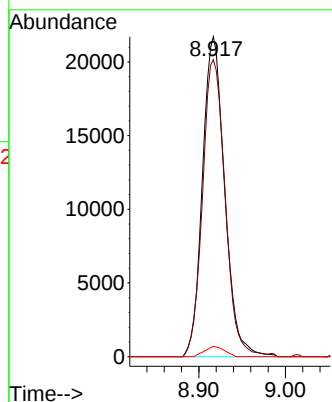
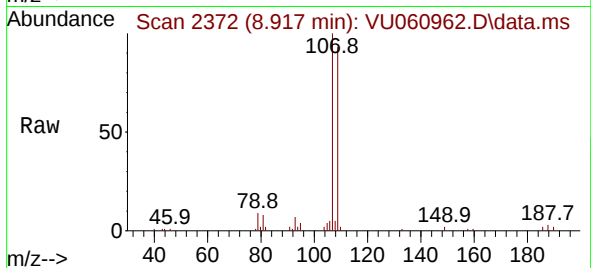




#50
1,2-Dibromoethane
Concen: 4.526 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

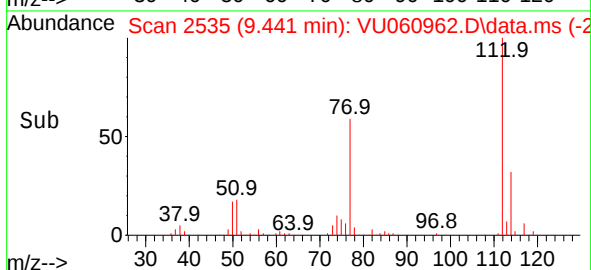
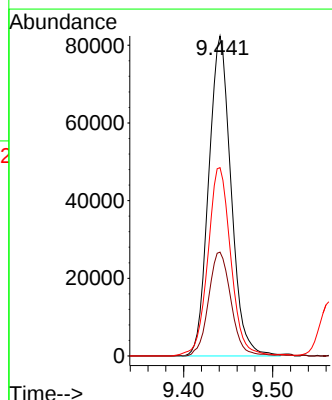
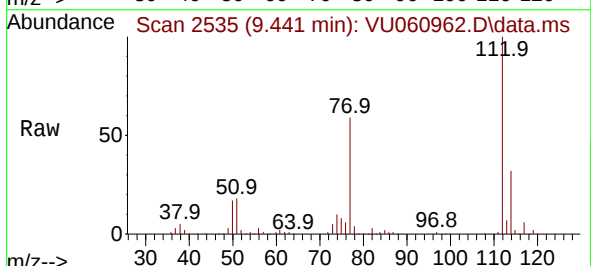
Instrument :
MSVOA_U
ClientSampleId :

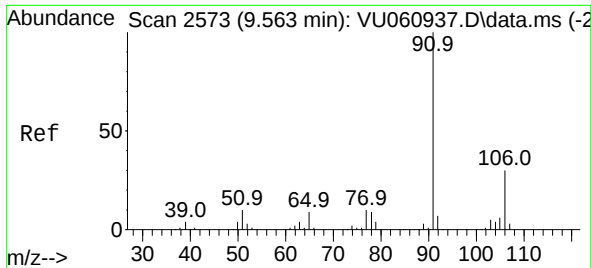
Tgt Ion:107 Resp: 38623
Ion Ratio Lower Upper
107 100
109 92.8 66.8 124.0
188 3.2 3.4 5.0#



#51
Chlorobenzene
Concen: 4.244 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion:112 Resp: 143250
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 58.8 46.1 69.1

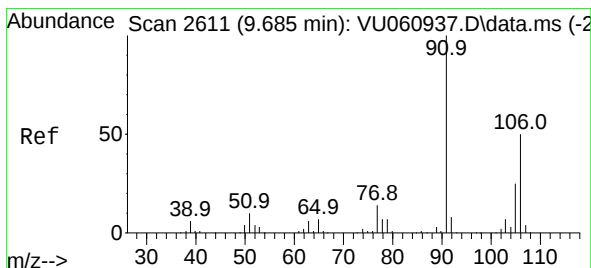
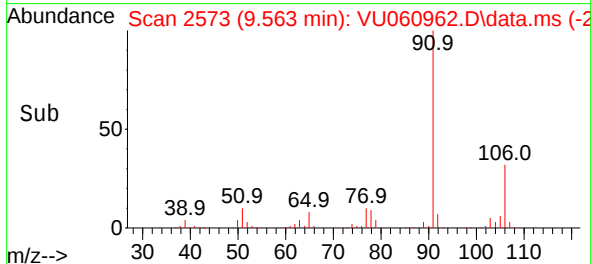
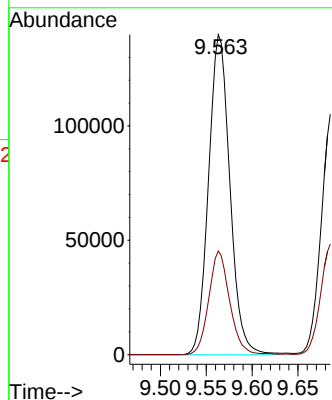
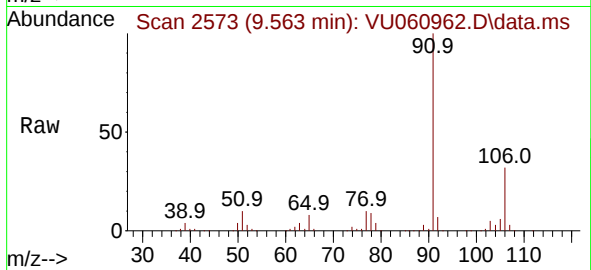




#52
Ethylbenzene
Concen: 4.271 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

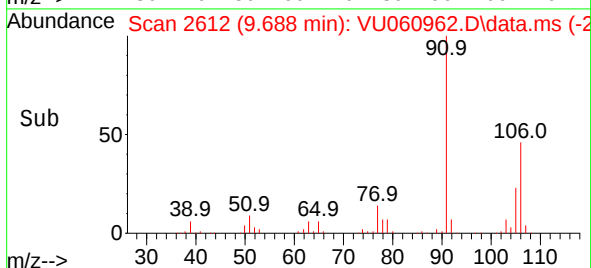
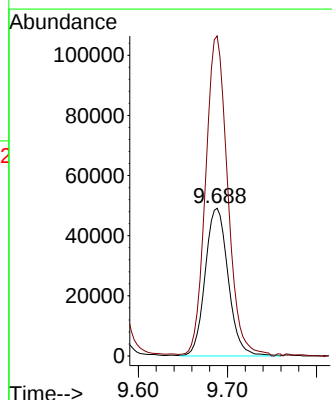
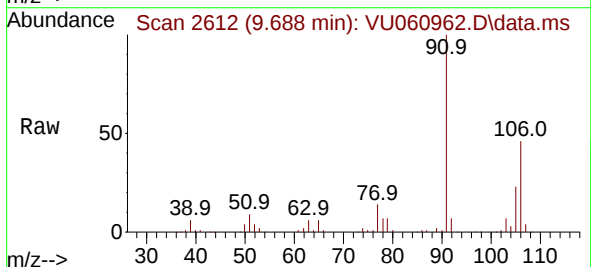
Instrument :
MSVOA_U
ClientSampleId :

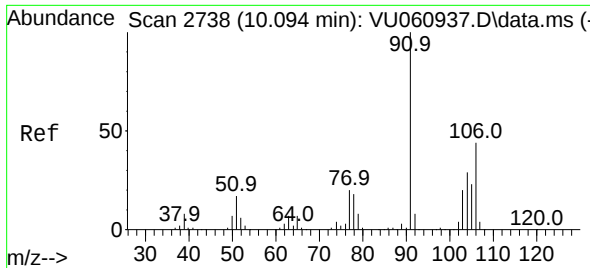
Tgt Ion: 91 Resp: 225998
Ion Ratio Lower Upper
91 100
106 32.4 21.8 40.6



#53
m,p-Xylene
Concen: 4.391 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion:106 Resp: 88087
Ion Ratio Lower Upper
106 100
91 216.6 139.7 259.4

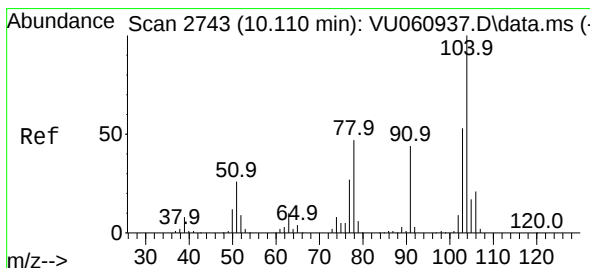
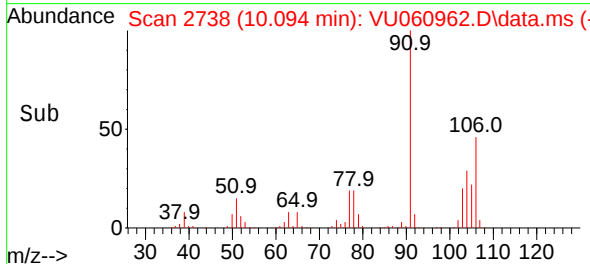
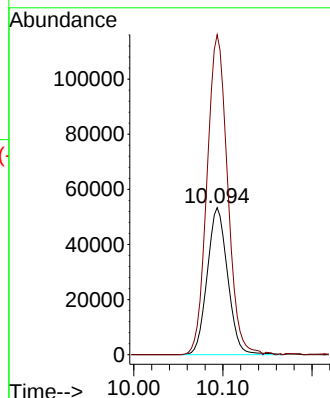
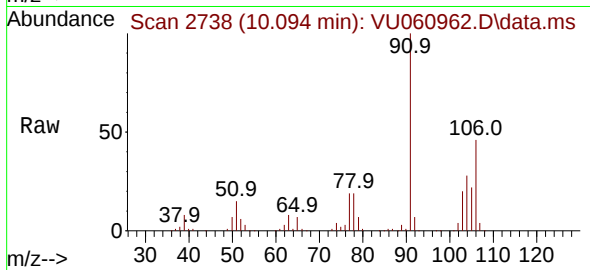




#54
o-Xylene
Concen: 4.289 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

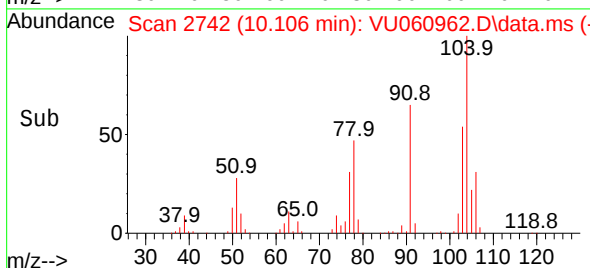
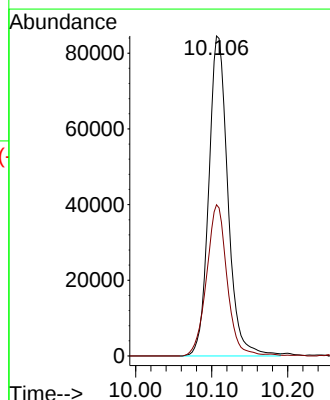
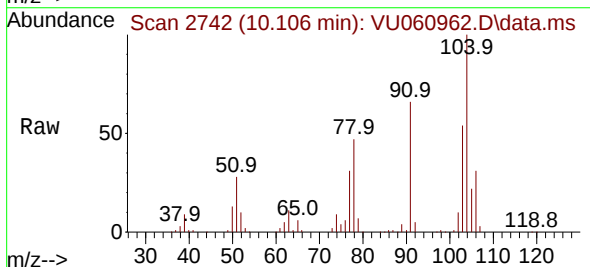
Instrument :
MSVOA_U
ClientSampleId :

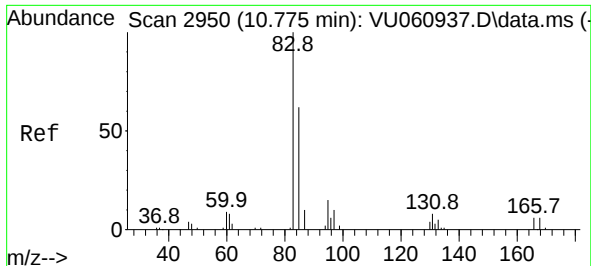
Tgt Ion:106 Resp: 84921
Ion Ratio Lower Upper
106 100
91 217.5 148.6 276.0



#55
Styrene
Concen: 4.428 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.003 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion:104 Resp: 147752
Ion Ratio Lower Upper
104 100
78 47.3 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 4.512 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

ClientSampleId :

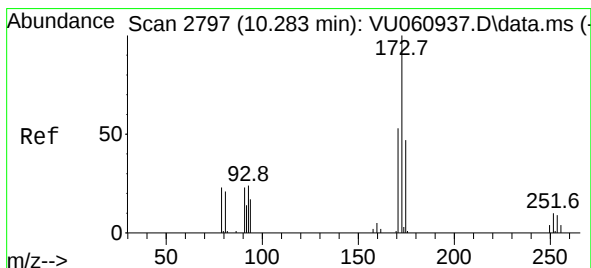
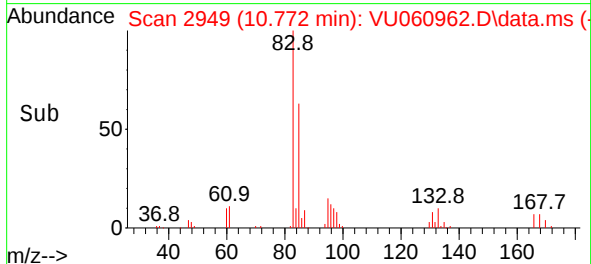
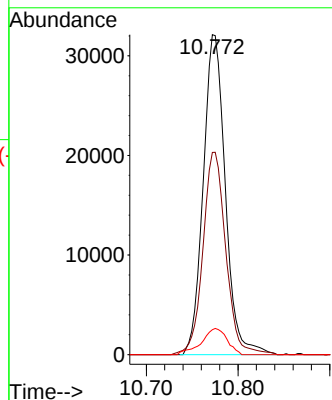
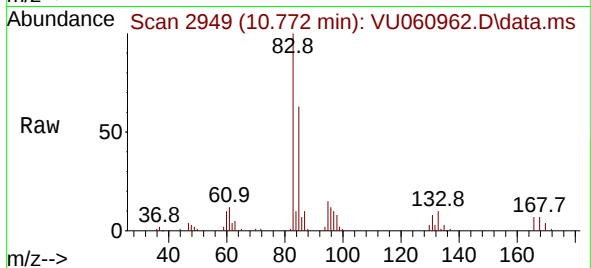
Tgt Ion: 83 Resp: 53815

Ion Ratio Lower Upper

83 100

85 63.2 42.9 79.7

131 7.8 8.4 12.6#



#59

Bromoform

Concen: 4.699 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

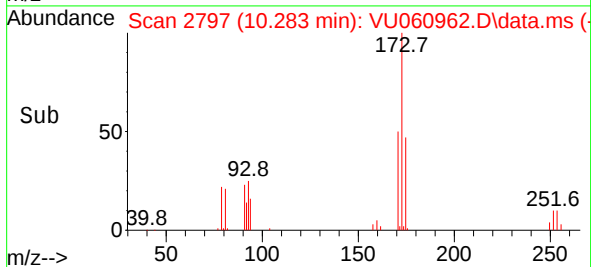
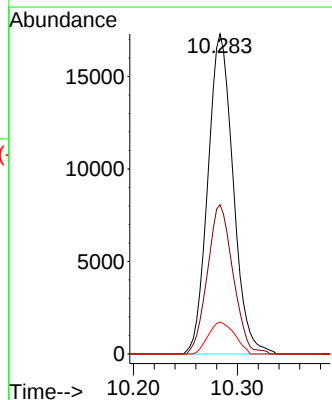
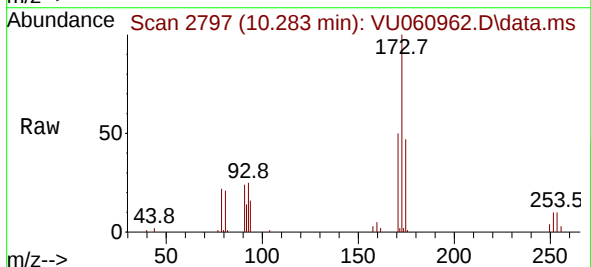
Tgt Ion:173 Resp: 29238

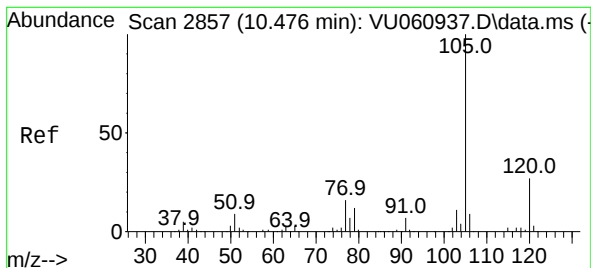
Ion Ratio Lower Upper

173 100

175 47.2 39.1 58.7

254 10.3 8.7 13.1





#60

Isopropylbenzene

Concen: 4.607 ug/L

RT: 10.476 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

ClientSampleId :

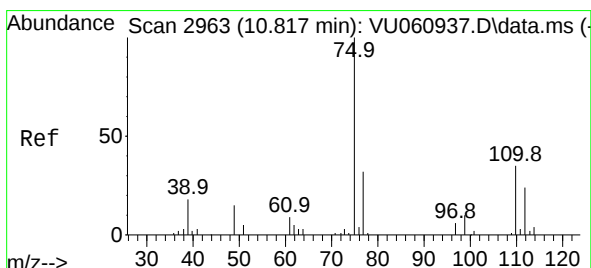
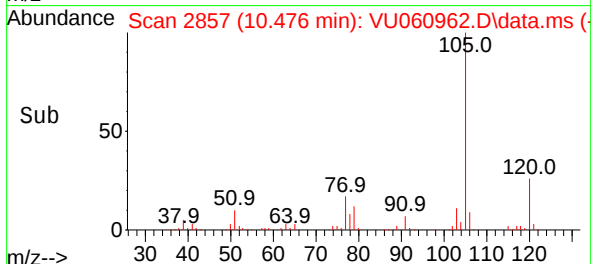
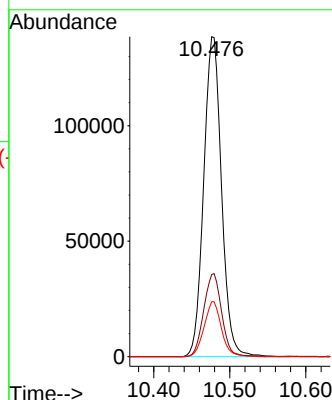
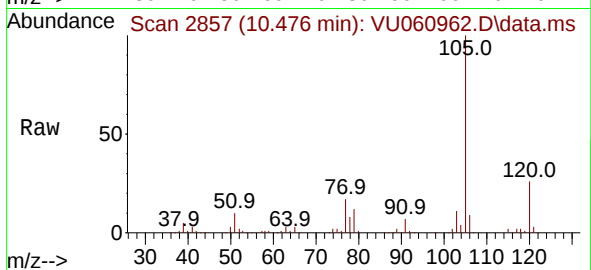
Tgt Ion:105 Resp: 225395

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

77 16.7 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 4.904 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.003 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

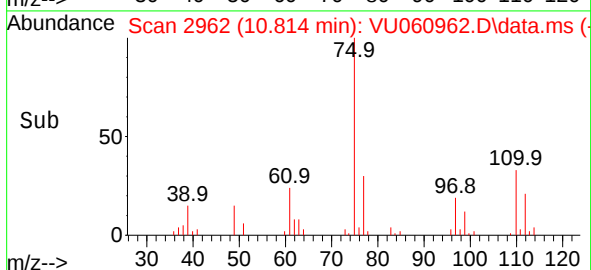
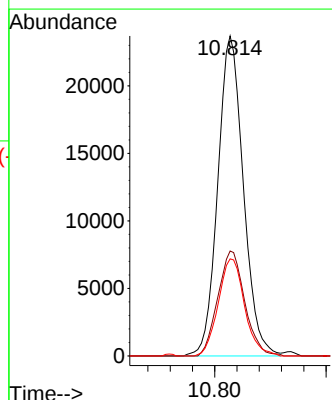
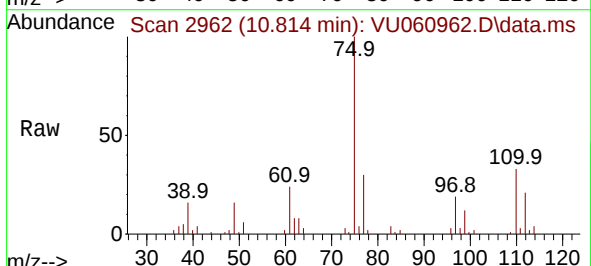
Tgt Ion: 75 Resp: 37764

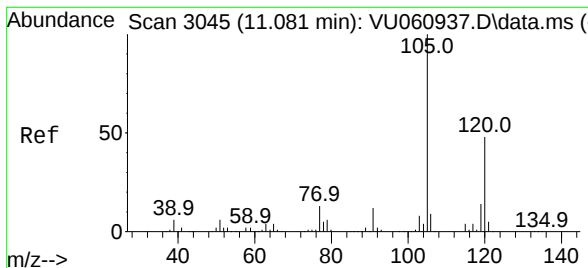
Ion Ratio Lower Upper

75 100

110 34.4 28.6 43.0

77 31.3 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.351 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

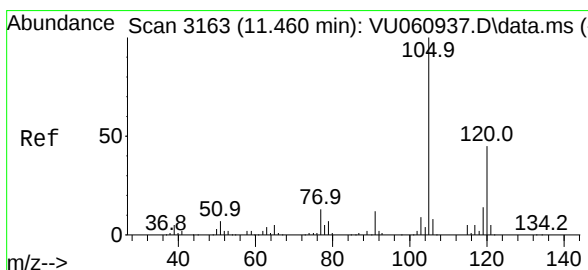
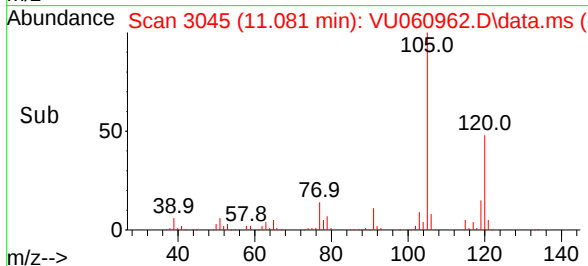
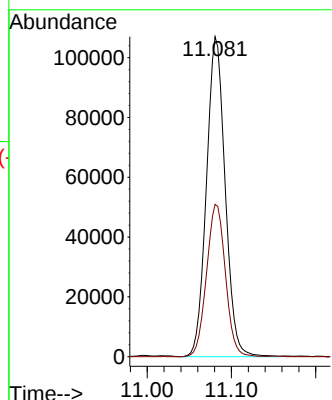
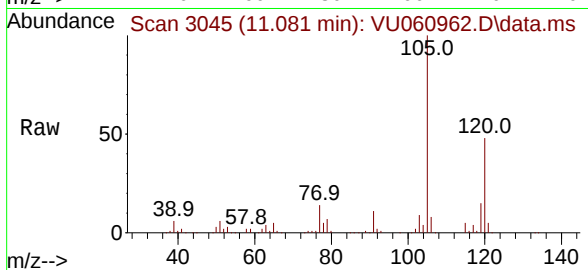
ClientSampleId :

Tgt Ion:105 Resp: 165449

Ion Ratio Lower Upper

105 100

120 48.1 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 4.473 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU060962.D

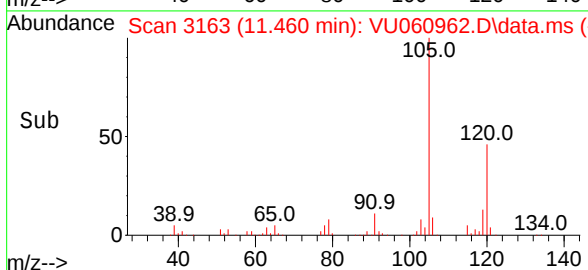
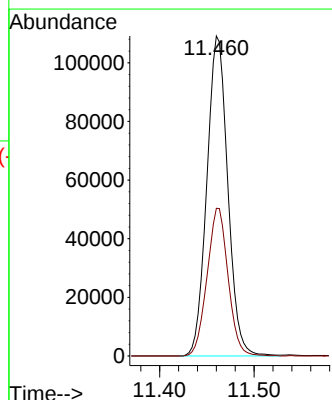
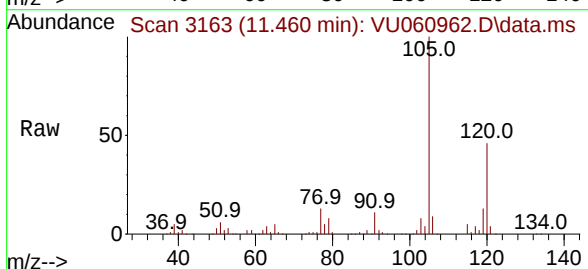
Acq: 20 Sep 2024 23:20

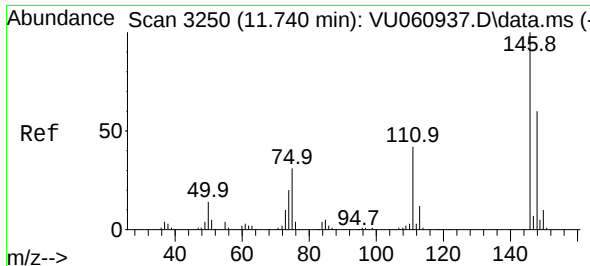
Tgt Ion:105 Resp: 168054

Ion Ratio Lower Upper

105 100

120 46.3 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 4.404 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

ClientSampleId :

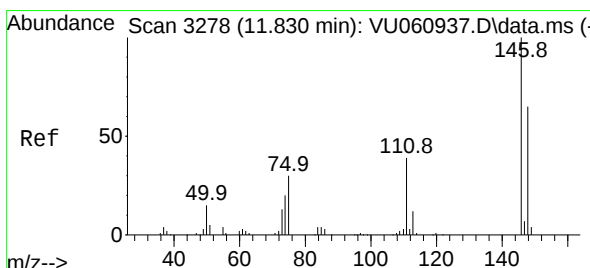
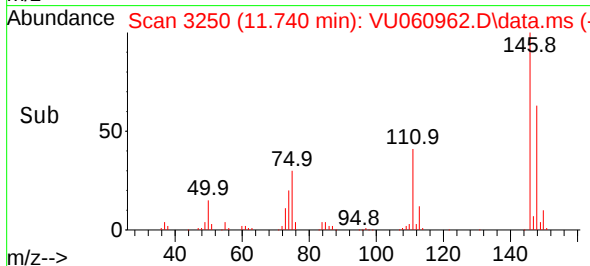
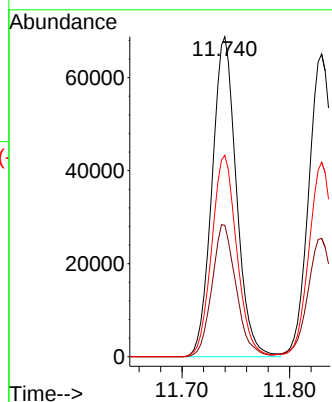
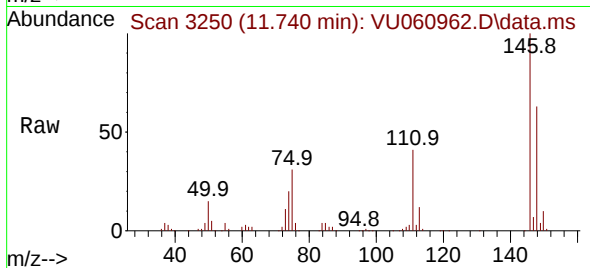
Tgt Ion:146 Resp: 108347

Ion Ratio Lower Upper

146 100

111 41.0 27.5 51.1

148 62.9 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 4.252 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

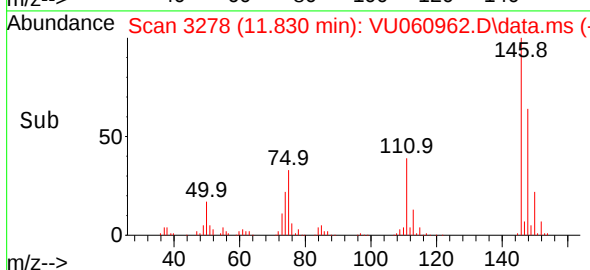
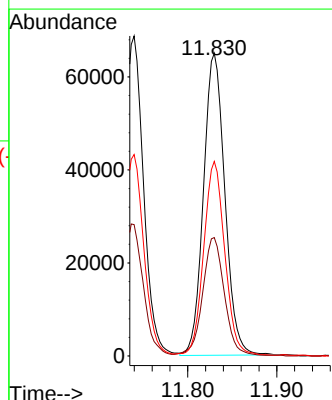
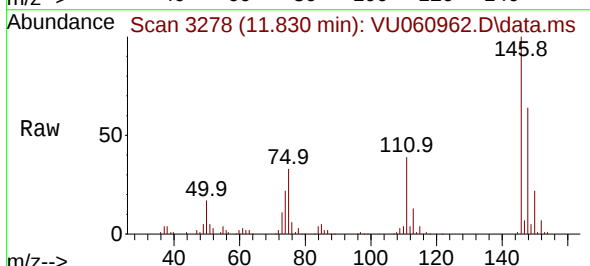
Tgt Ion:146 Resp: 108134

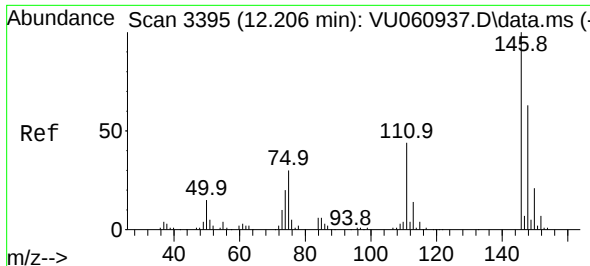
Ion Ratio Lower Upper

146 100

111 39.1 26.3 48.9

148 64.3 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.410 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

ClientSampleId :

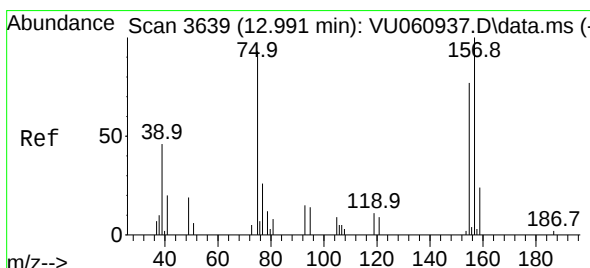
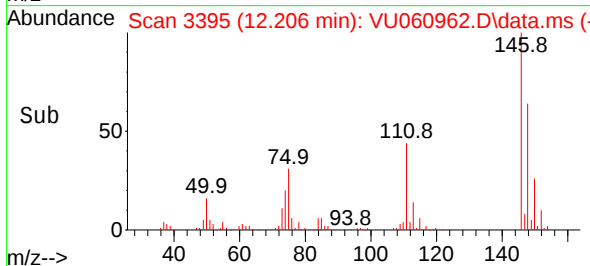
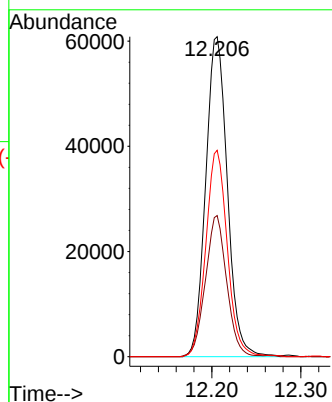
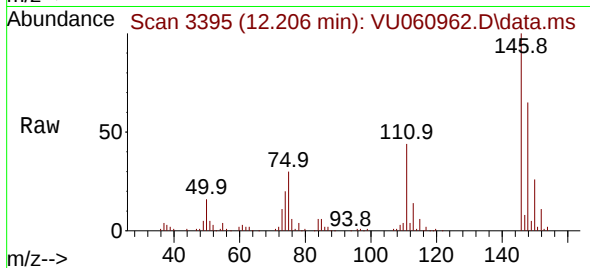
Tgt Ion:146 Resp: 102581

Ion Ratio Lower Upper

146 100

111 44.1 33.4 50.0

148 64.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.731 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

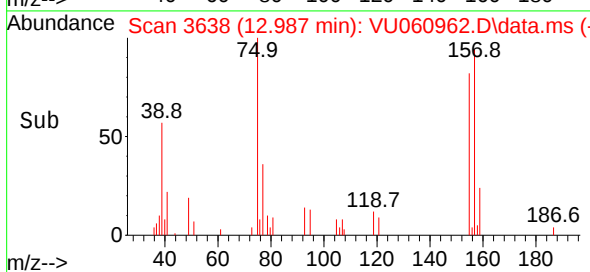
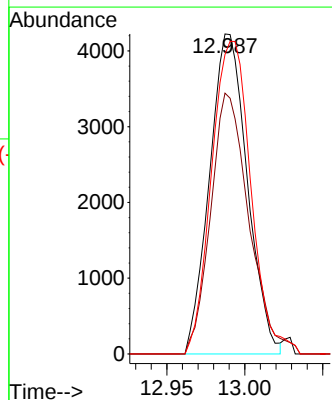
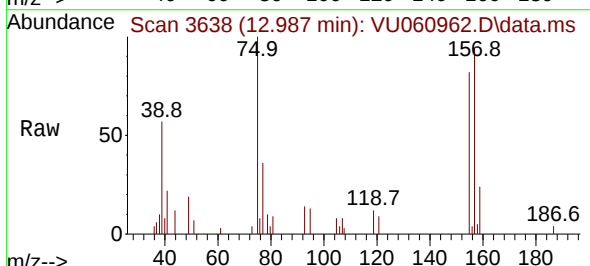
Tgt Ion: 75 Resp: 7113

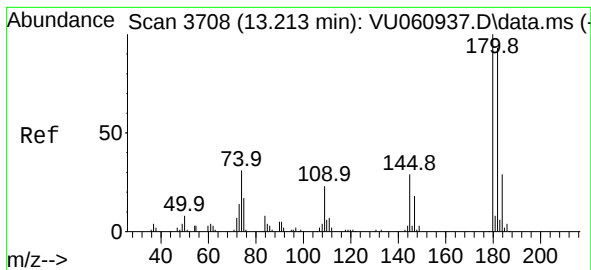
Ion Ratio Lower Upper

75 100

155 81.5 73.1 109.7

157 93.6 91.0 136.4





#69

1,3,5-Trichlorobenzene

Concen: 3.861 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 71051

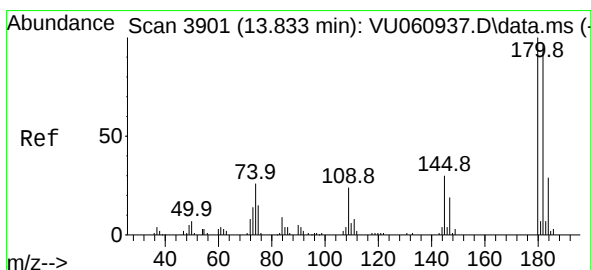
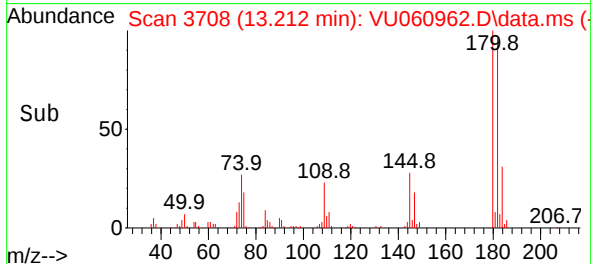
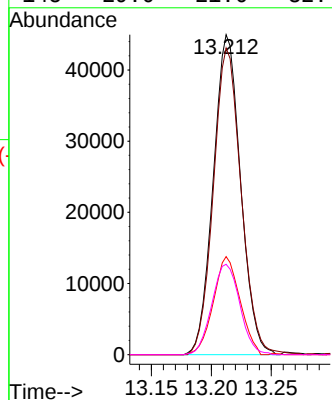
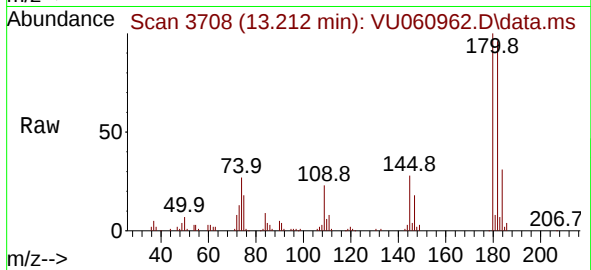
Ion Ratio Lower Upper

180 100

182 97.1 74.5 111.7

184 29.9 23.2 34.8

145 29.0 21.6 32.4



#70

1,2,4-trichlorobenzene

Concen: 4.158 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU060962.D

Acq: 20 Sep 2024 23:20

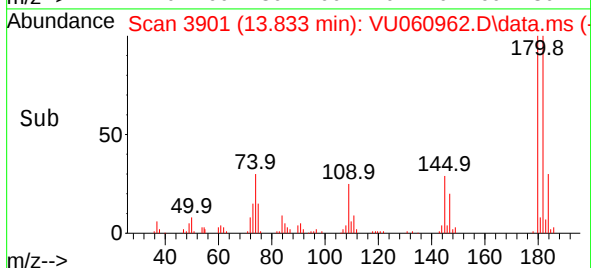
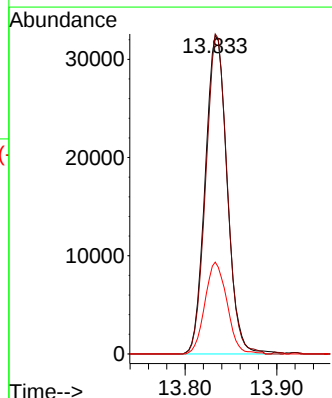
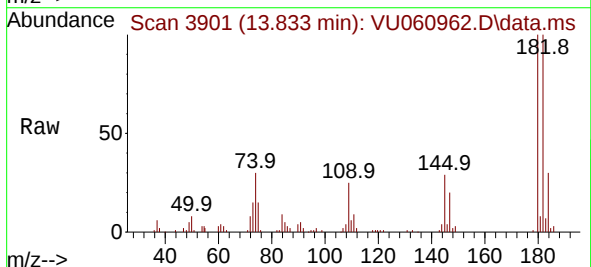
Tgt Ion:180 Resp: 53899

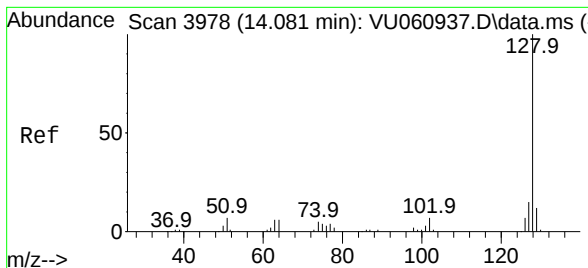
Ion Ratio Lower Upper

180 100

182 97.5 77.4 116.2

145 29.0 22.9 34.3

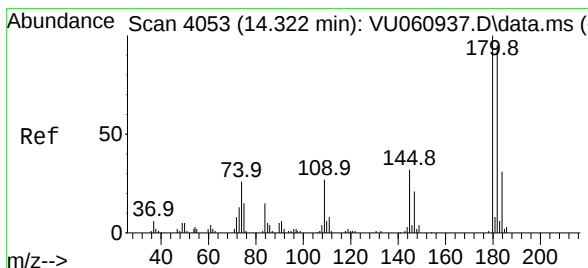
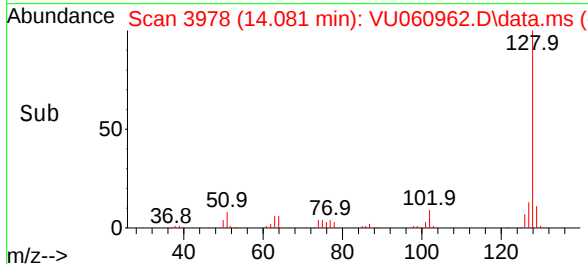
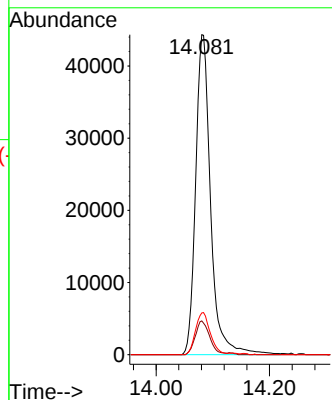
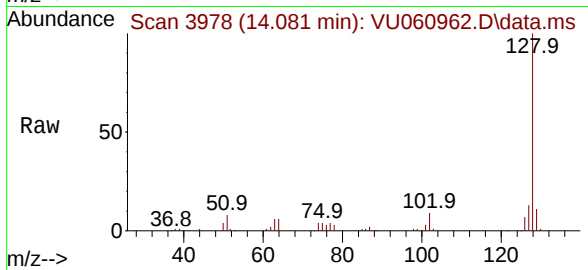




#71
Naphthalene
Concen: 4.747 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 81157
Ion Ratio Lower Upper
128 100
129 10.1 8.3 12.5
127 13.0 10.7 16.1



#72
1,2,3-Trichlorobenzene
Concen: 4.600 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU060962.D
Acq: 20 Sep 2024 23:20

Tgt Ion:180 Resp: 51512
Ion Ratio Lower Upper
180 100
182 95.0 75.7 113.5
145 30.0 23.5 35.3

