

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102924\
 Data File : VU061271.D
 Acq On : 28 Oct 2024 17:56
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 29 01:49:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 29 01:48:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	248264	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	228491	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	104182	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	17417	10.816	ug/L	0.00
7) Chloroethane-d5	1.904	69	15334	11.274	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	32083	11.083	ug/L	0.00
21) 2-Butanone-d5	4.624	46	27116	23.130	ug/L	0.02
24) Chloroform-d	5.055	84	35975	11.321	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	23374	12.149	ug/L	0.00
32) Benzene-d6	5.721	84	72114	11.831	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	21983	11.668	ug/L	0.00
41) Toluene-d8	7.891	98	66792	11.556	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	10278	11.451	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	19572	23.468	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	33130	11.357	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	23172	11.666	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	17107	10.689	ug/L	98
3) Chloromethane	1.518	50	16708	10.754	ug/L	96
5) Vinyl chloride	1.602	62	17562	9.748	ug/L	99
6) Bromomethane	1.846	94	12361	12.076	ug/L	99
8) Chloroethane	1.927	64	10897	9.348	ug/L	100
9) Trichlorofluoromethane	2.132	101	23793	9.484	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	13803	8.808	ug/L	98
12) 1,1-Dichloroethene	2.573	96	13381	9.058	ug/L	91
13) Acetone	2.618	43	21539	18.838	ug/L	96
14) Carbon disulfide	2.788	76	39742	10.270	ug/L	99
15) Methyl Acetate	2.943	43	16213	9.299	ug/L	100
16) Methylene chloride	3.039	84	16641	8.984	ug/L	100
17) trans-1,2-Dichloroethene	3.351	96	14781	9.663	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	49740	9.899	ug/L	98
19) 1,1-Dichloroethane	3.859	63	28217	9.708	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	17388	9.405	ug/L	92
22) 2-Butanone	4.701	43	22992	16.076	ug/L	96
23) Bromochloromethane	4.965	128	8584	8.832	ug/L	87
25) Chloroform	5.078	83	29632	9.467	ug/L	99
27) 1,2-Dichloroethane	5.788	62	24228	10.103	ug/L	98
29) Cyclohexane	5.377	56	23312	10.689	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	24291	9.900	ug/L	98
31) Carbon tetrachloride	5.515	117	20373	9.983	ug/L	97
33) Benzene	5.766	78	63900	10.065	ug/L	100
34) Trichloroethene	6.537	95	16092	9.498	ug/L	96
35) Methylcyclohexane	6.756	83	24768	10.331	ug/L	100
37) 1,2-Dichloropropane	6.785	63	17106	9.899	ug/L #	97
38) Bromodichloromethane	7.100	83	21157	9.607	ug/L #	92
39) cis-1,3-Dichloropropene	7.602	75	25260	9.443	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	44961	20.091	ug/L	98
42) Toluene	7.962	91	67497	9.776	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	23360	9.434	ug/L	100

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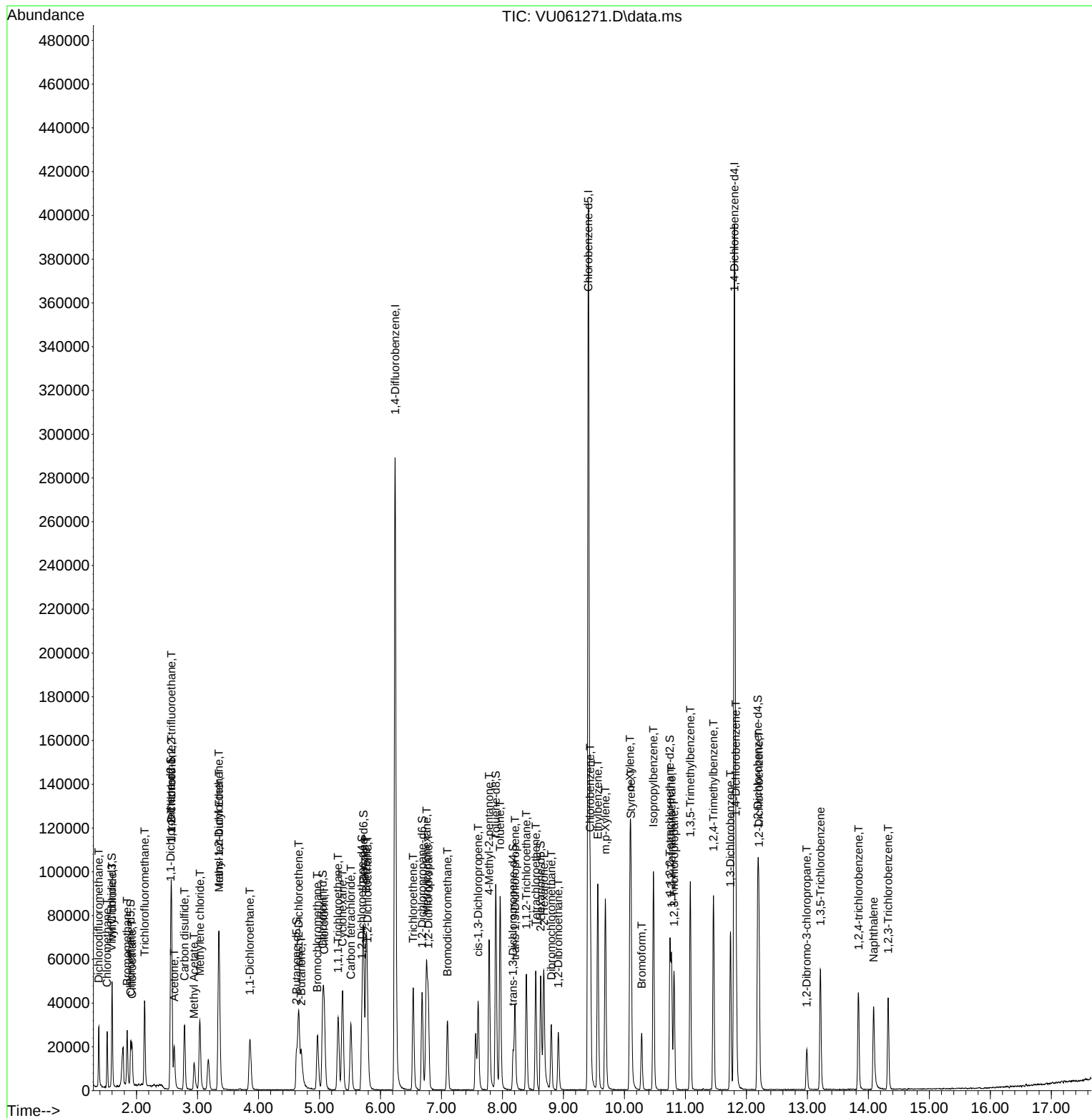
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 29 01:48:01 2024
 Response via : Initial Calibration

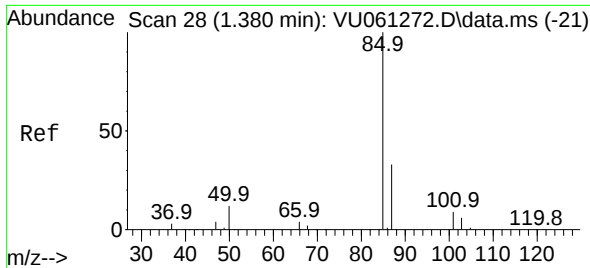
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	16805	9.324	ug/L	97
46) Tetrachloroethene	8.547	164	11851	8.759	ug/L	99
48) 2-Hexanone	8.679	43	33325	17.838	ug/L	93
49) Dibromochloromethane	8.801	129	15218	8.532	ug/L	99
50) 1,2-Dibromoethane	8.917	107	18251	9.585	ug/L #	96
51) Chlorobenzene	9.441	112	45073	9.873	ug/L	99
52) Ethylbenzene	9.563	91	70936	9.562	ug/L	100
53) m,p-Xylene	9.688	106	27597	9.593	ug/L	81
54) o-Xylene	10.093	106	25931	9.329	ug/L	97
55) Styrene	10.110	104	41042	8.846	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	28791	9.399	ug/L	99
59) Bromoform	10.283	173	11302	8.902	ug/L #	97
60) 1,2,3-Trichloropropane	10.814	75	23060	11.170	ug/L	99
61) Isopropylbenzene	10.476	105	67149	10.609	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	52924	11.120	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	51576	10.352	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	29729	9.347	ug/L	93
65) 1,4-Dichlorobenzene	11.830	146	30340	9.225	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	29627	9.193	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.987	75	5430	9.564	ug/L	86
69) 1,3,5-Trichlorobenzene	13.216	180	18985	8.335	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	14205	6.935	ug/L	99
71) Naphthalene	14.087	128	36879	6.163	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	13832	6.826	ug/L	92

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

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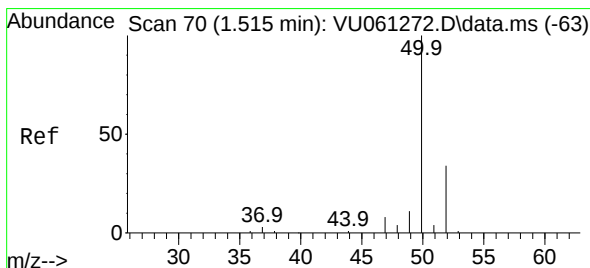
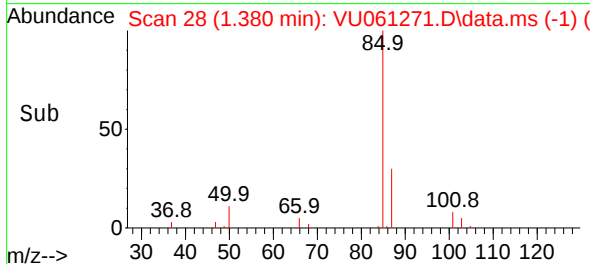
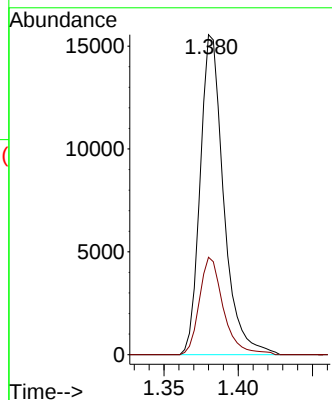
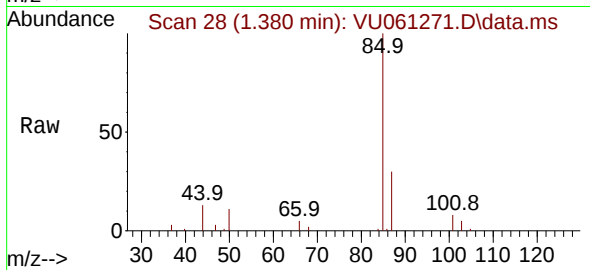




#2
 Dichlorodifluoromethane
 Concen: 10.689 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU061271.D
 Acq: 28 Oct 2024 17:56

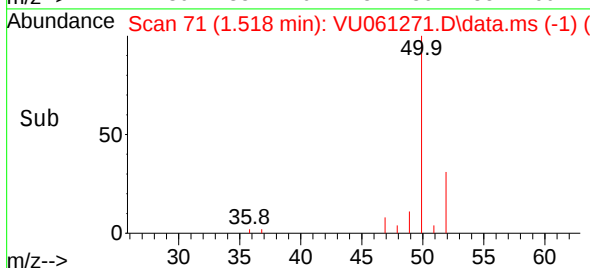
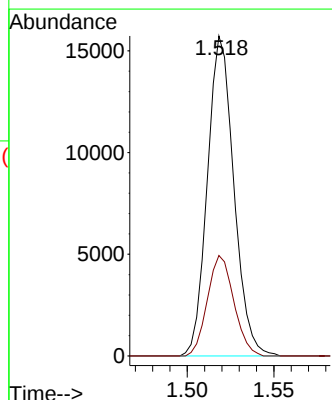
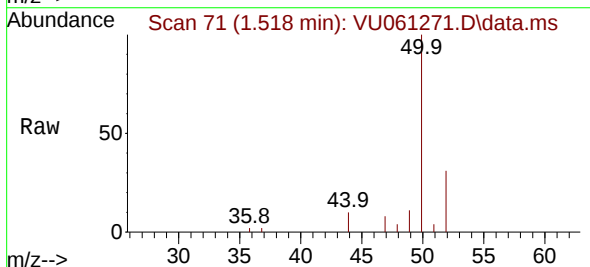
Instrument :
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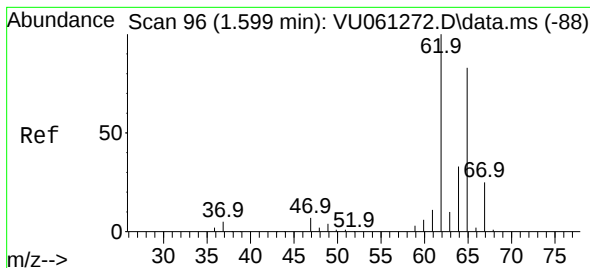
Tgt Ion: 85 Resp: 17107
 Ion Ratio Lower Upper
 85 100
 87 31.1 25.7 38.5



#3
 Chloromethane
 Concen: 10.754 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU061271.D
 Acq: 28 Oct 2024 17:56

Tgt Ion: 50 Resp: 16708
 Ion Ratio Lower Upper
 50 100
 52 31.4 23.6 43.8





#5

Vinyl chloride

Concen: 9.748 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

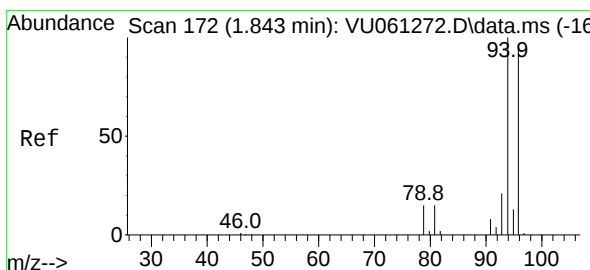
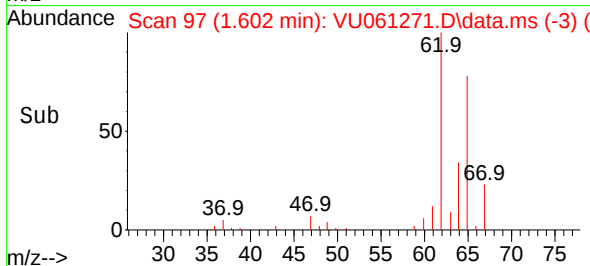
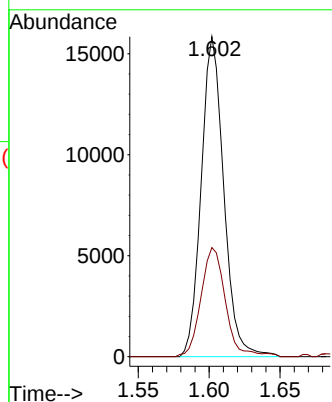
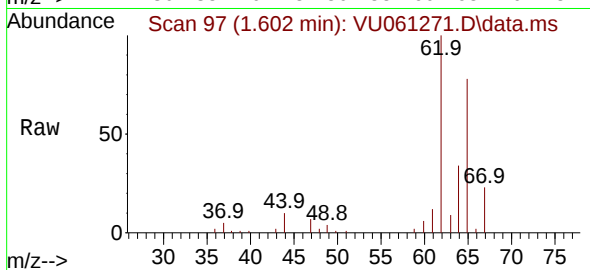
ClientSampleId :

Tgt Ion: 62 Resp: 17562

Ion Ratio Lower Upper

62 100

64 34.1 23.4 43.4



#6

Bromomethane

Concen: 12.076 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.003 min

Lab File: VU061271.D

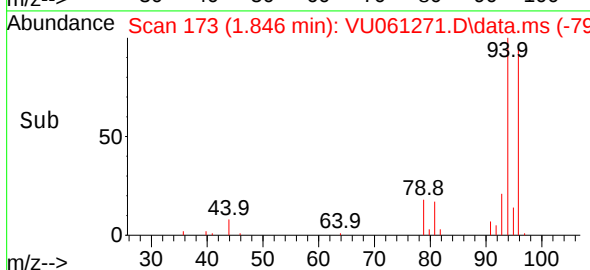
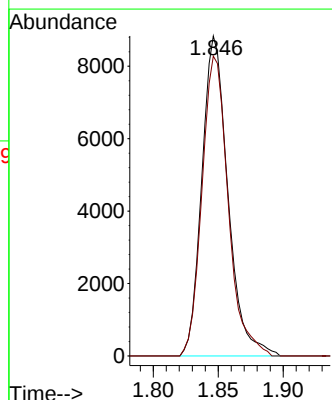
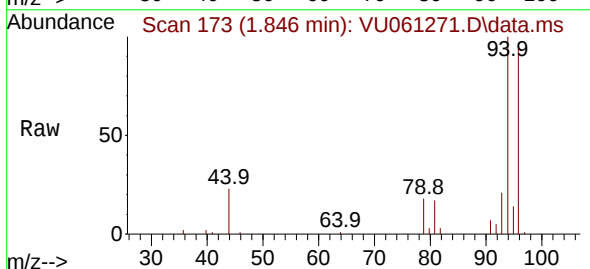
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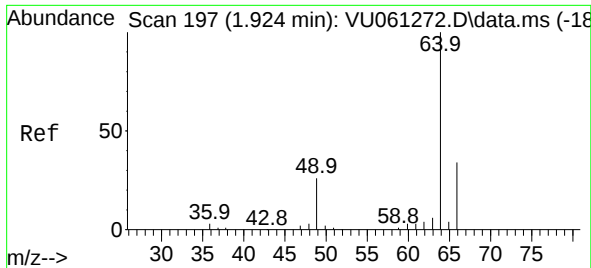
Tgt Ion: 94 Resp: 12361

Ion Ratio Lower Upper

94 100

96 93.7 66.1 122.8

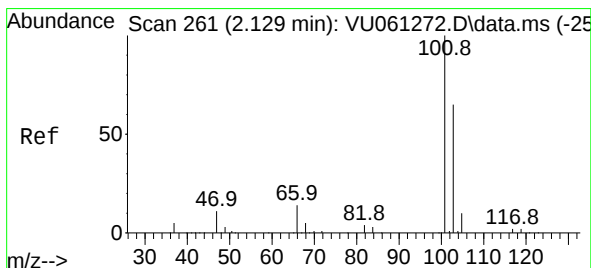
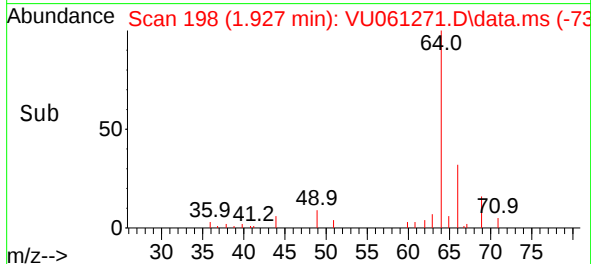
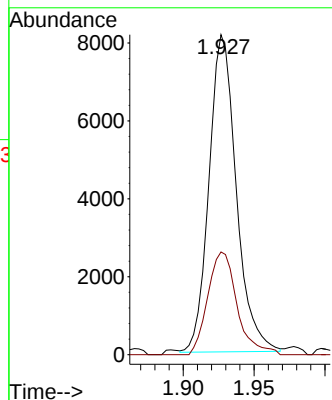
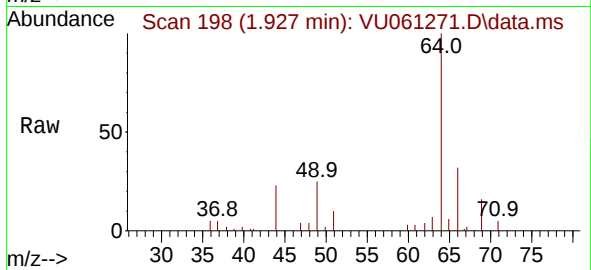




#8
Chloroethane
Concen: 9.348 ug/L
RT: 1.927 min Scan# 197
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

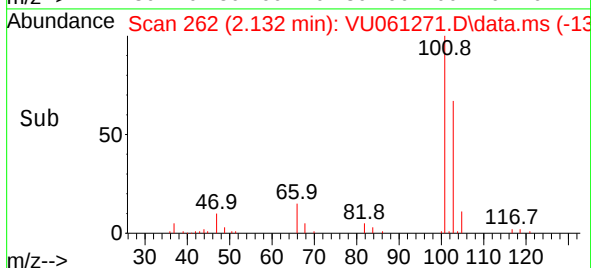
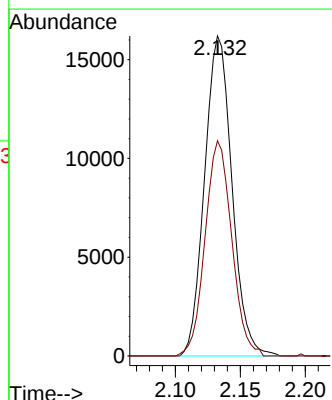
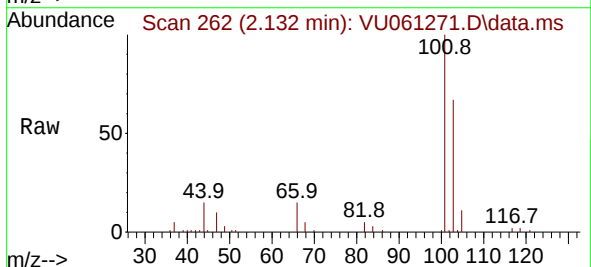
Instrument :
MSVOA_U
ClientSampleId :

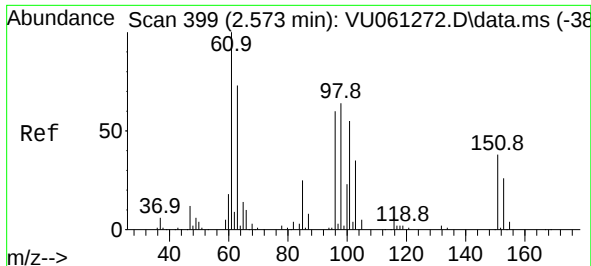
Tgt Ion: 64 Resp: 10897
Ion Ratio Lower Upper
64 100
66 33.4 23.6 43.8



#9
Trichlorofluoromethane
Concen: 9.484 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt Ion:101 Resp: 23793
Ion Ratio Lower Upper
101 100
103 65.3 51.6 77.4

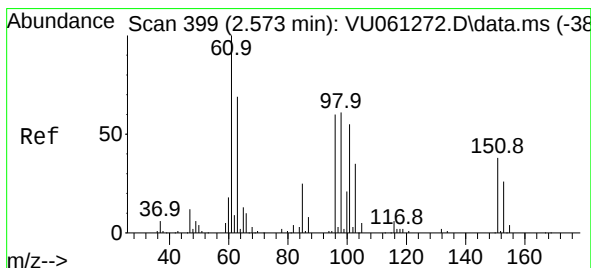
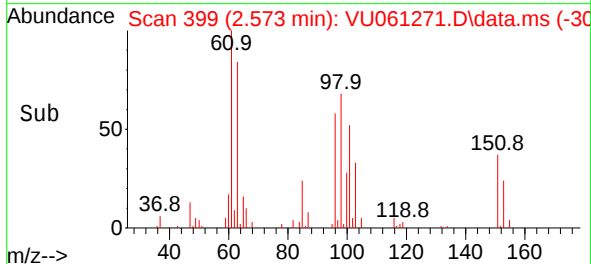
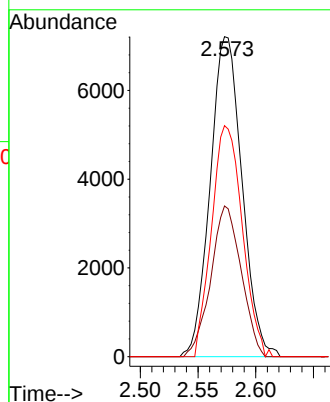
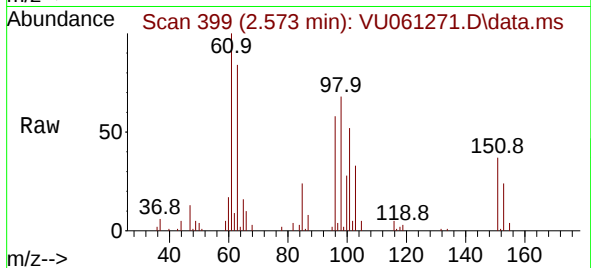




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 8.808 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU061271.D
 Acq: 28 Oct 2024 17:56

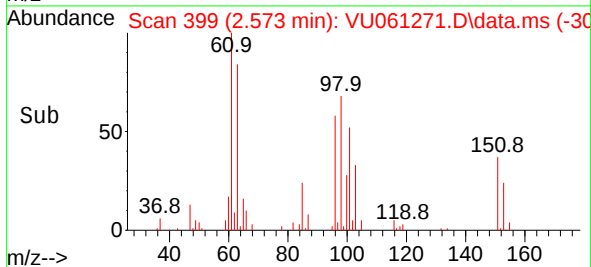
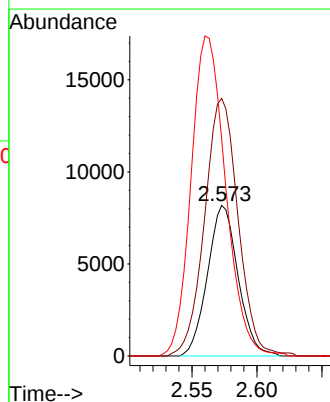
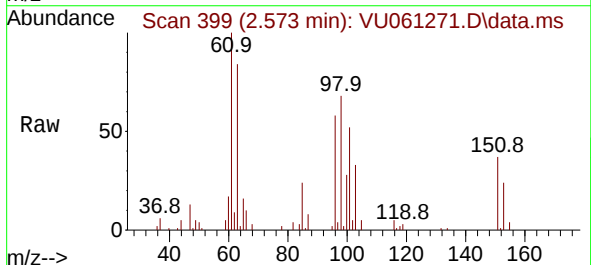
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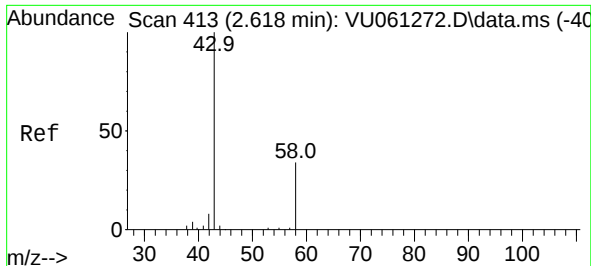
Tgt Ion:101 Resp: 13803
 Ion Ratio Lower Upper
 101 100
 85 44.9 36.4 54.6
 151 69.6 57.0 85.4



#12
 1,1-Dichloroethene
 Concen: 9.058 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU061271.D
 Acq: 28 Oct 2024 17:56

Tgt Ion: 96 Resp: 13381
 Ion Ratio Lower Upper
 96 100
 61 171.2 117.1 217.5
 63 144.4 86.6 160.8





#13

Acetone

Concen: 18.838 ug/L

RT: 2.618 min Scan# 413

Delta R.T. -0.000 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

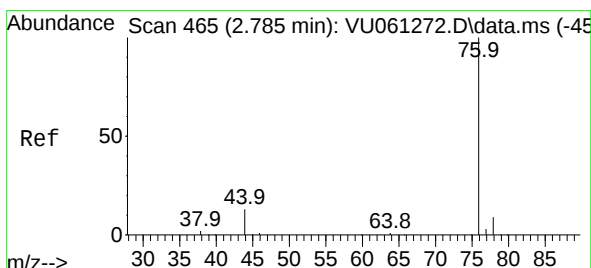
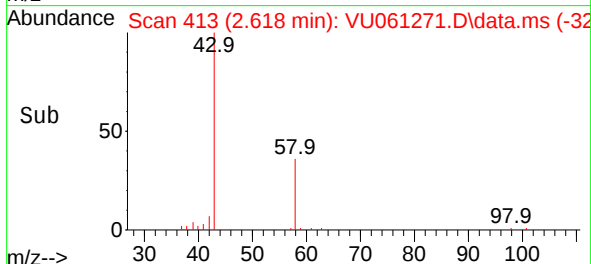
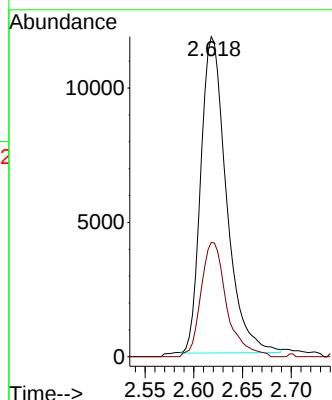
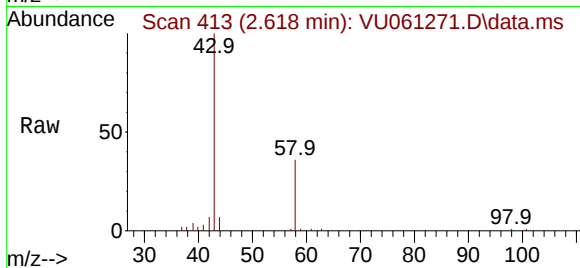
ClientSampleId :

Tgt Ion: 43 Resp: 21539

Ion Ratio Lower Upper

43 100

58 36.2 0.0 68.2



#14

Carbon disulfide

Concen: 10.270 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU061271.D

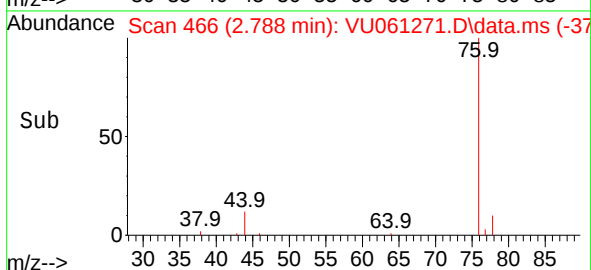
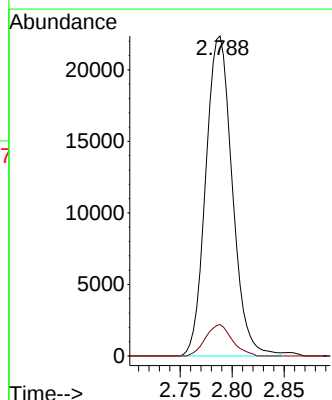
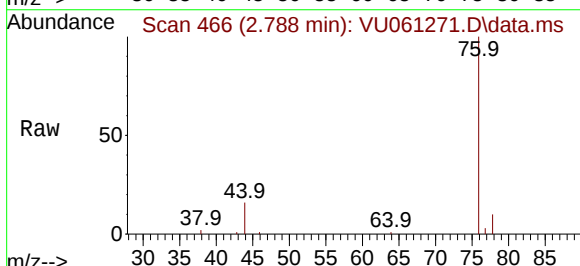
Acq: 28 Oct 2024 17:56

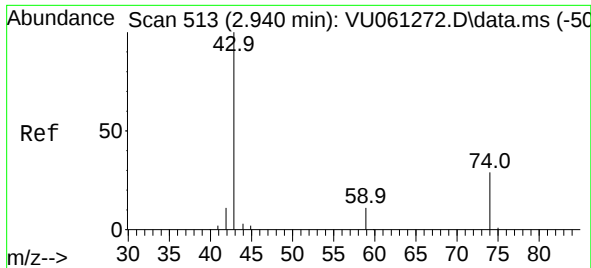
Tgt Ion: 76 Resp: 39742

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2





#15

Methyl Acetate

Concen: 9.299 ug/L

RT: 2.943 min Scan# 513

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

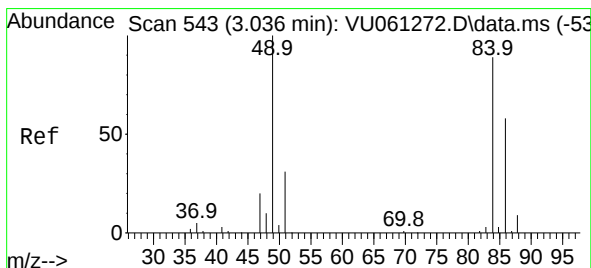
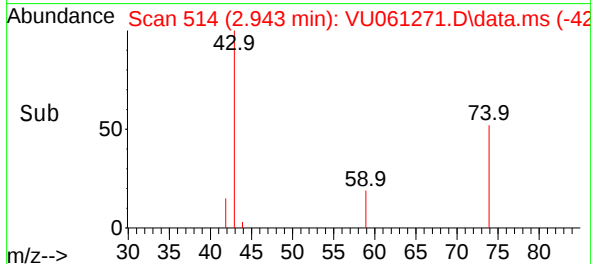
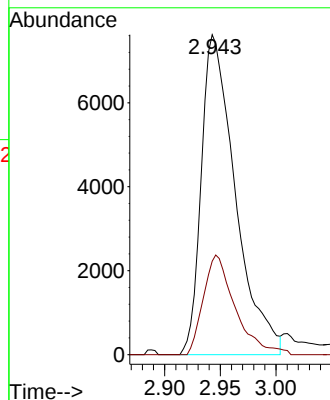
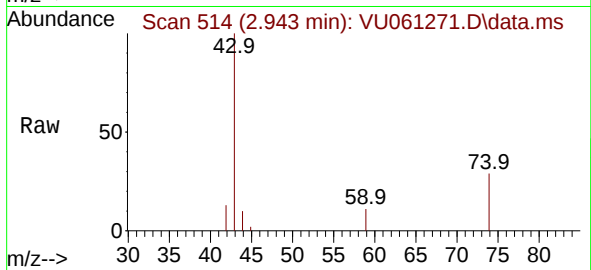
ClientSampleId :

Tgt Ion: 43 Resp: 16213

Ion Ratio Lower Upper

43 100

74 29.1 23.2 34.8



#16

Methylene chloride

Concen: 8.984 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

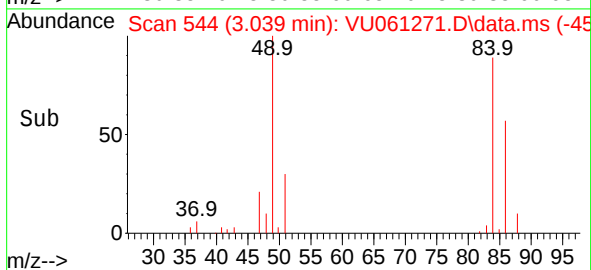
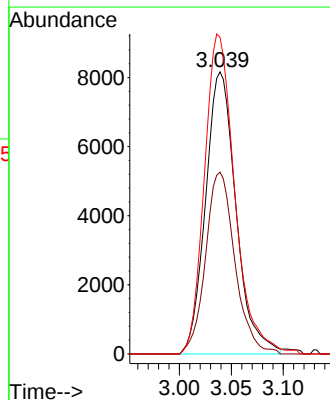
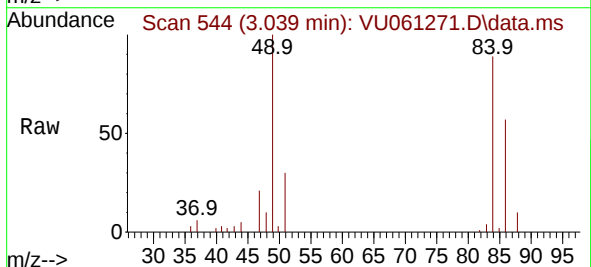
Tgt Ion: 84 Resp: 16641

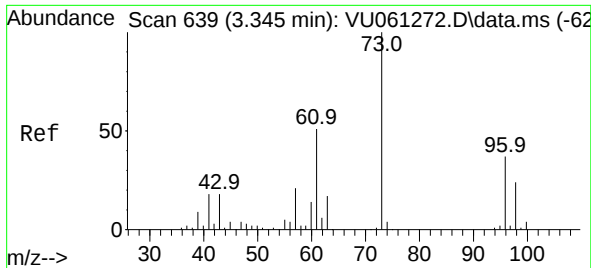
Ion Ratio Lower Upper

84 100

86 64.4 45.3 84.1

49 112.3 78.3 145.5

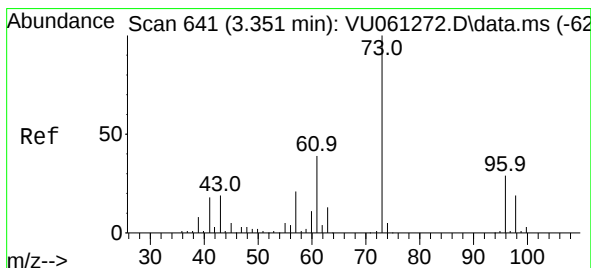
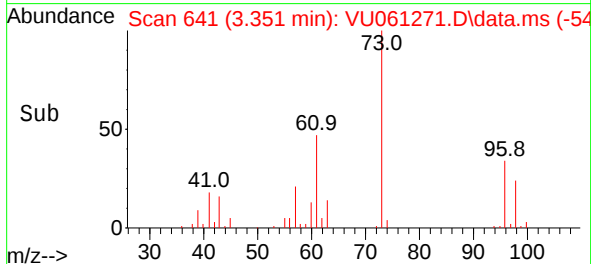
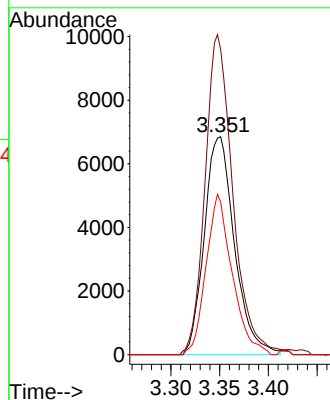
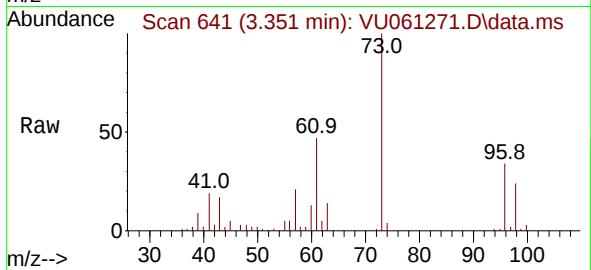




#17
trans-1,2-Dichloroethene
Concen: 9.663 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

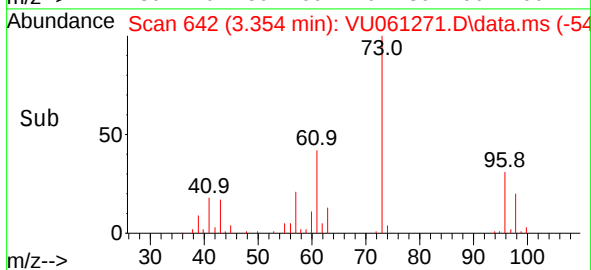
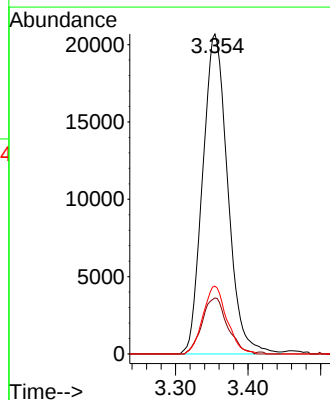
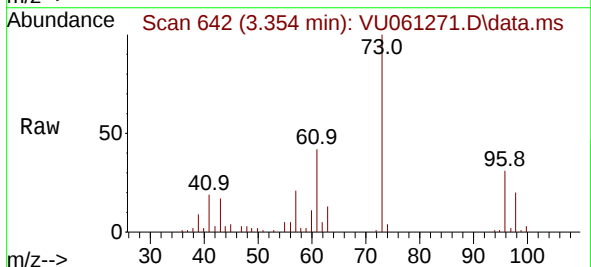
Instrument :
MSVOA_U
ClientSampleId :

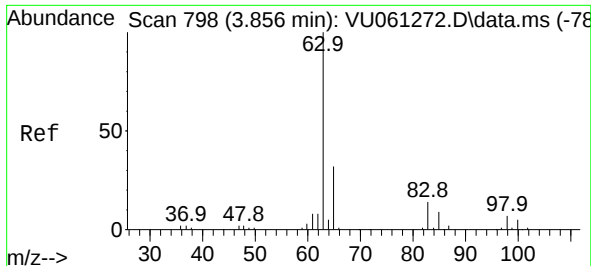
Tgt Ion: 96 Resp: 14781
Ion Ratio Lower Upper
96 100
61 139.9 95.3 177.1
98 70.0 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 9.899 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt Ion: 73 Resp: 49740
Ion Ratio Lower Upper
73 100
43 17.8 14.8 22.2
57 20.2 17.0 25.6





#19

1,1-Dichloroethane

Concen: 9.708 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :

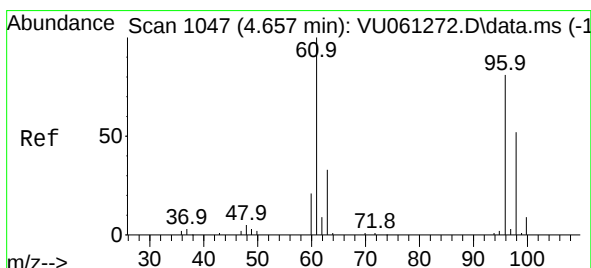
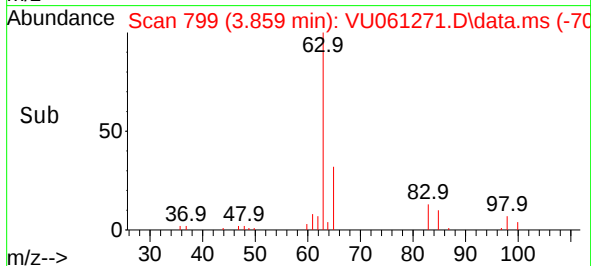
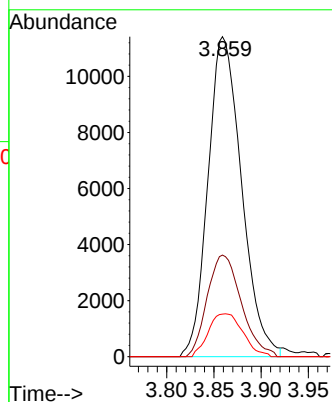
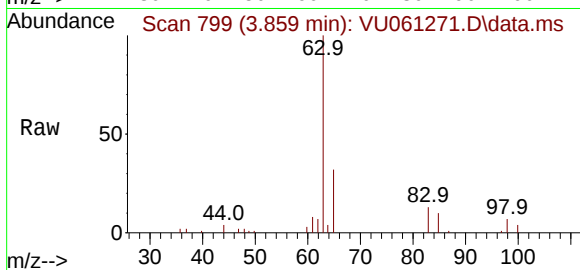
Tgt Ion: 63 Resp: 28217

Ion Ratio Lower Upper

63 100

65 30.4 22.3 41.3

83 12.7 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 9.405 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

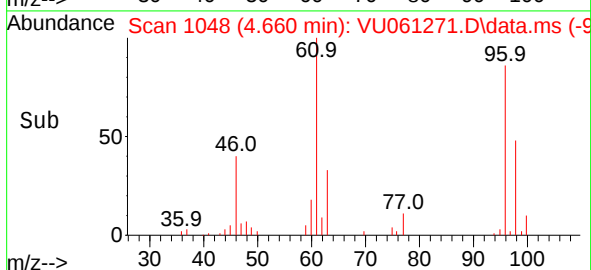
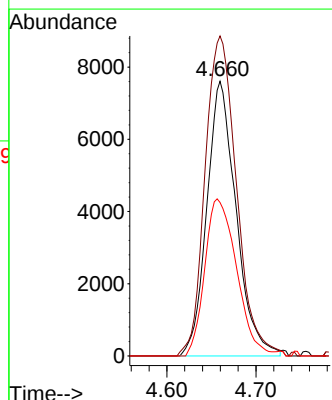
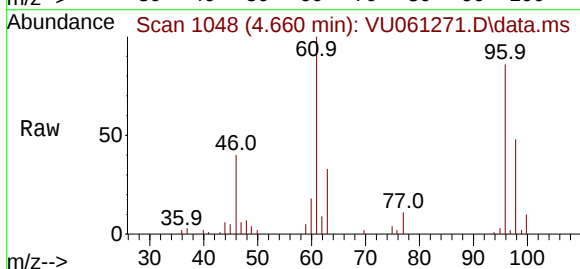
Tgt Ion: 96 Resp: 17388

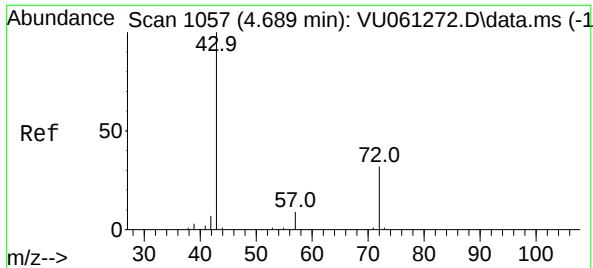
Ion Ratio Lower Upper

96 100

61 116.5 87.2 161.9

98 55.9 45.2 84.0

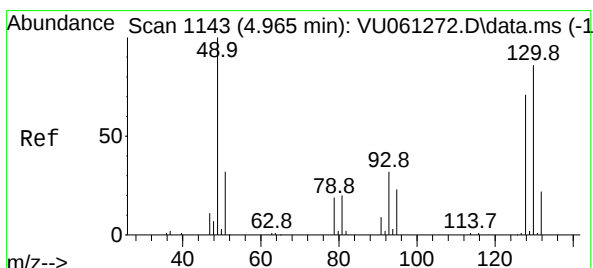
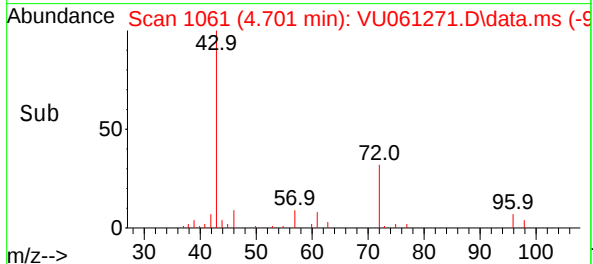
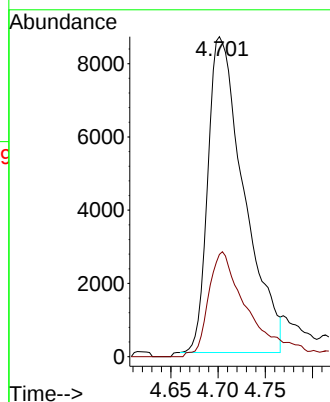
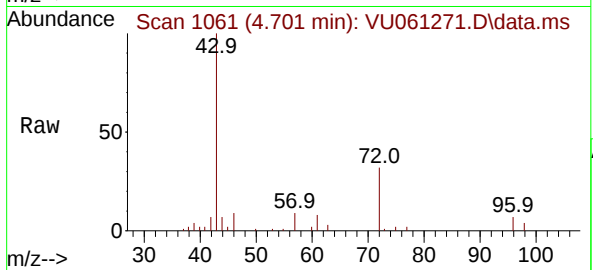




#22
2-Butanone
Concen: 16.076 ug/L
RT: 4.701 min Scan# 1061
Delta R.T. 0.013 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

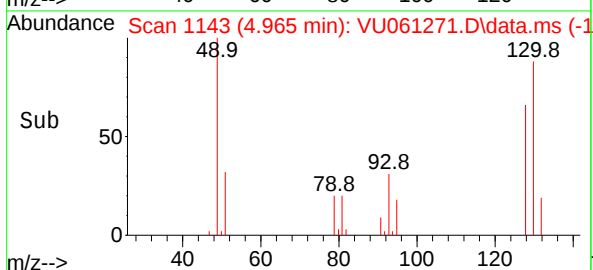
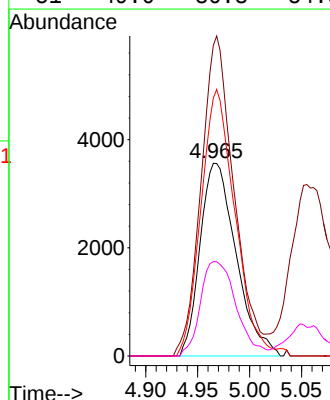
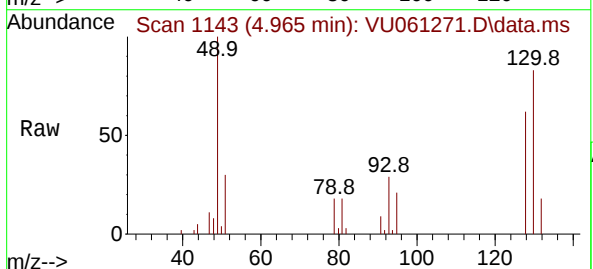
Instrument :
MSVOA_U
ClientSampleId :

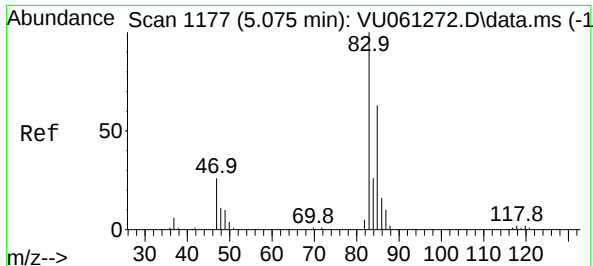
Tgt Ion: 43 Resp: 22992
Ion Ratio Lower Upper
43 100
72 29.4 15.8 47.4



#23
Bromochloromethane
Concen: 8.832 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt Ion:128 Resp: 8584
Ion Ratio Lower Upper
128 100
49 161.2 98.7 183.3
130 133.8 85.0 157.8
51 49.0 36.3 54.5





#25

Chloroform

Concen: 9.467 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

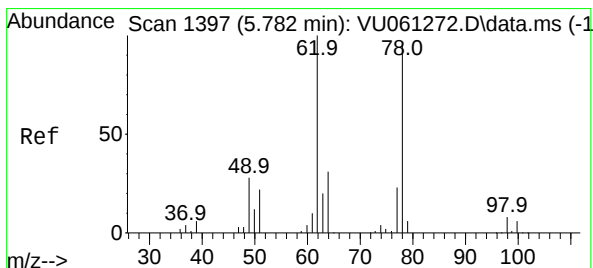
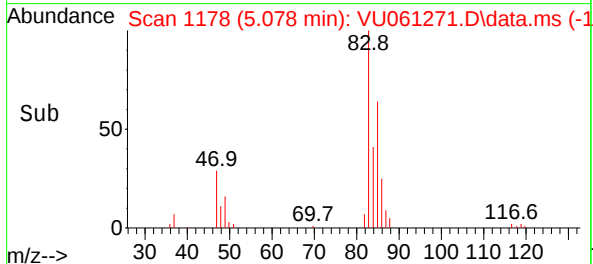
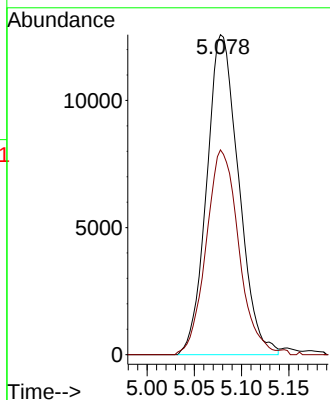
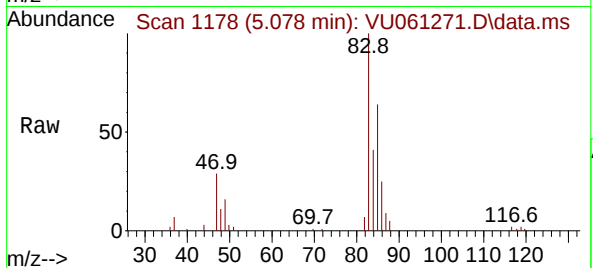
ClientSampleId :

Tgt Ion: 83 Resp: 29632

Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3



#27

1,2-Dichloroethane

Concen: 10.103 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VU061271.D

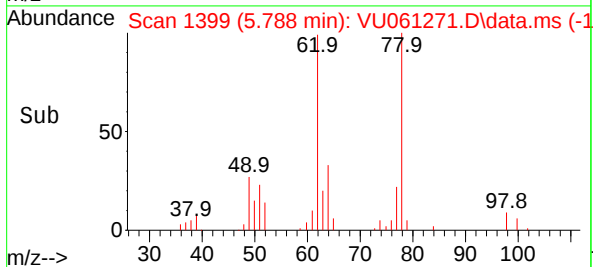
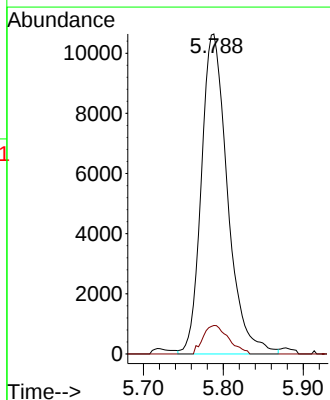
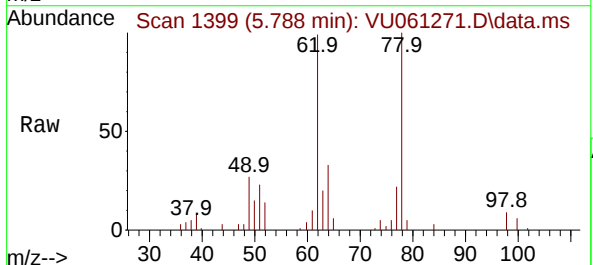
Acq: 28 Oct 2024 17:56

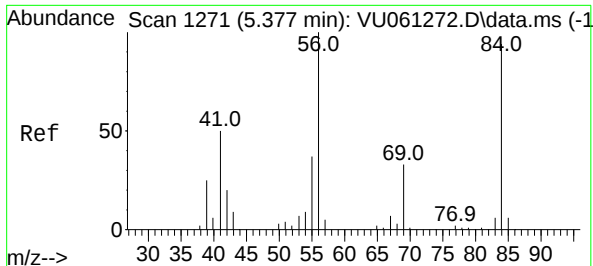
Tgt Ion: 62 Resp: 24228

Ion Ratio Lower Upper

62 100

98 8.9 6.6 10.0





#29

Cyclohexane

Concen: 10.689 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VU061271.D

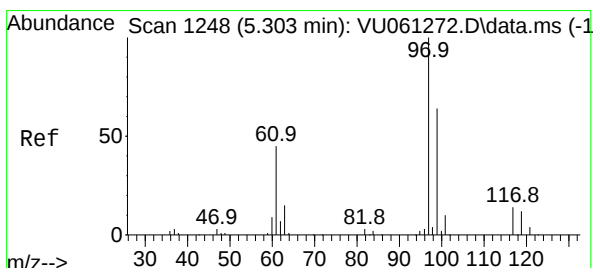
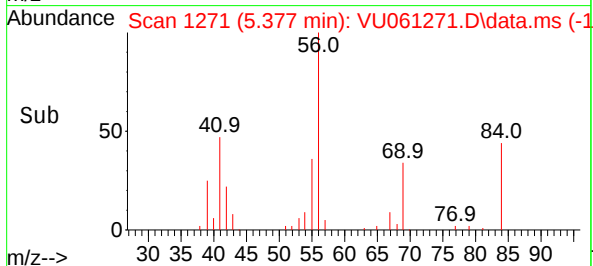
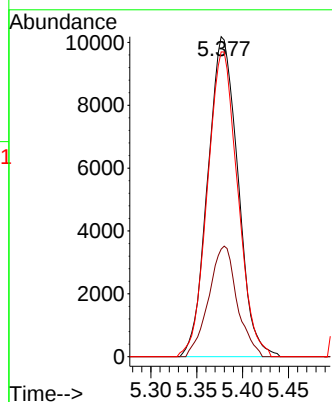
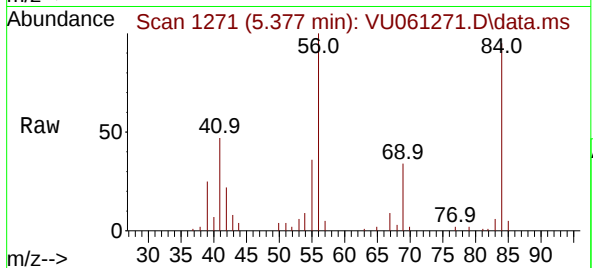
Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 56	Resp: 23312
Ion Ratio	Lower Upper
56	100
69	32.5 26.3 39.5
84	95.3 74.6 112.0



#30

1,1,1-Trichloroethane

Concen: 9.900 ug/L

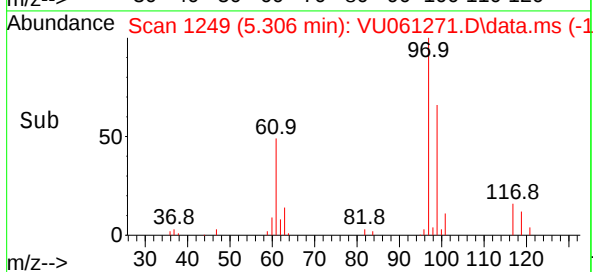
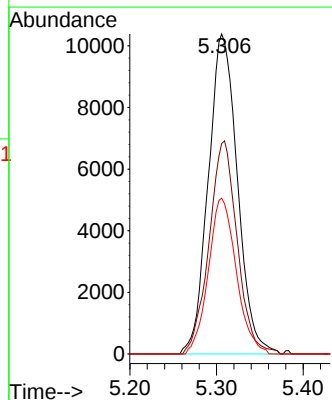
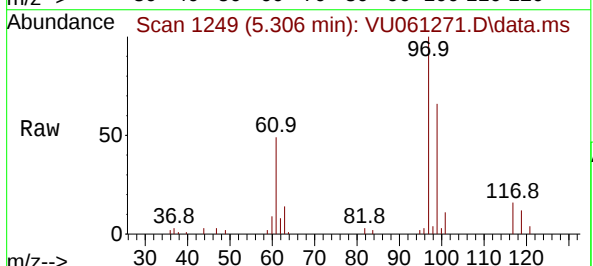
RT: 5.306 min Scan# 1249

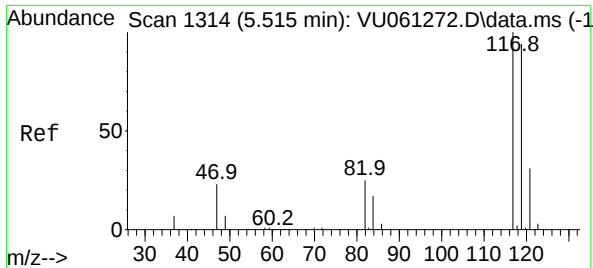
Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Tgt Ion: 97	Resp: 24291
Ion Ratio	Lower Upper
97	100
99	64.4 51.0 76.6
61	46.6 35.9 53.9

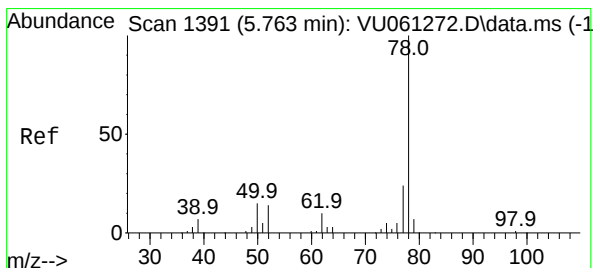
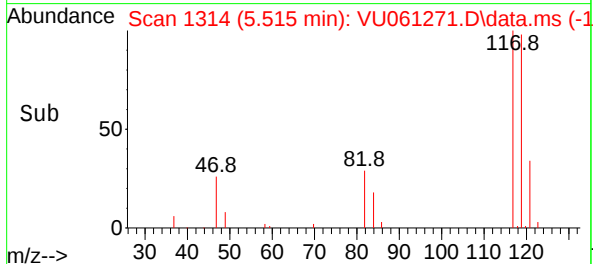
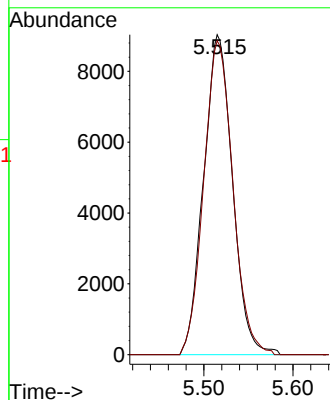
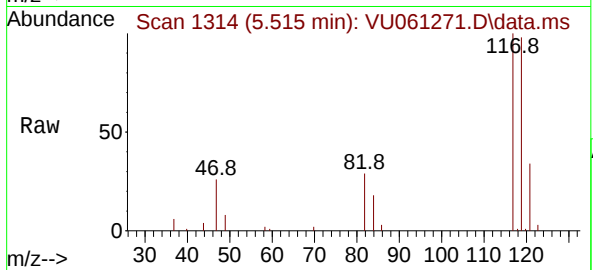




#31
Carbon tetrachloride
Concen: 9.983 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

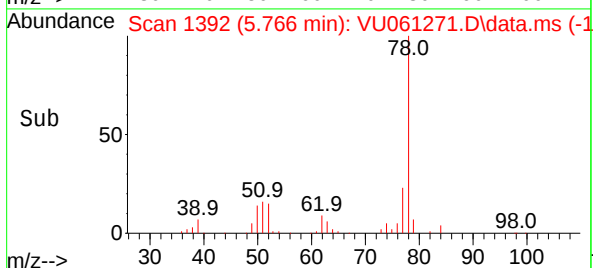
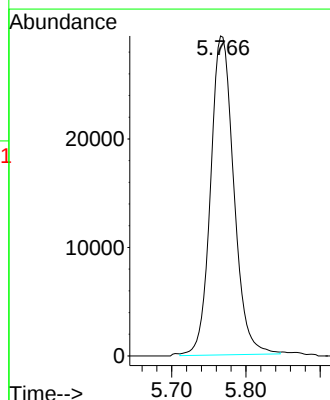
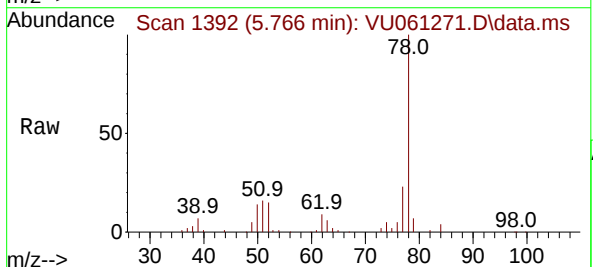
Instrument :
MSVOA_U
ClientSampleId :

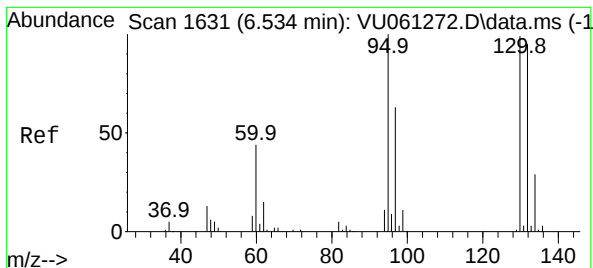
Tgt Ion:117 Resp: 20373
Ion Ratio Lower Upper
117 100
119 98.8 76.7 115.1



#33
Benzene
Concen: 10.065 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt Ion: 78 Resp: 63900





#34

Trichloroethene

Concen: 9.498 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 16092

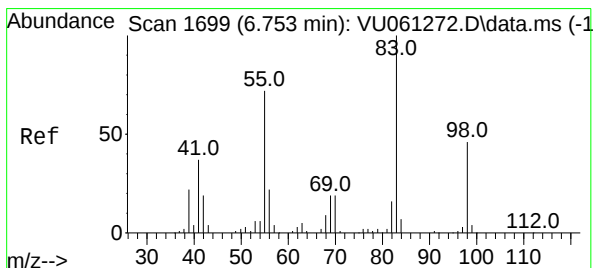
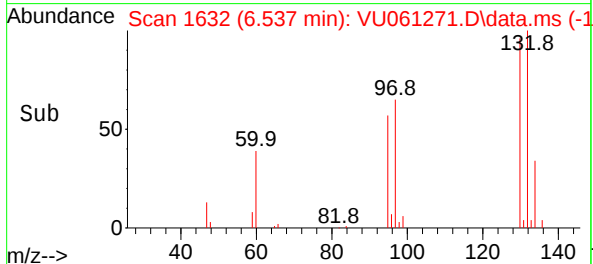
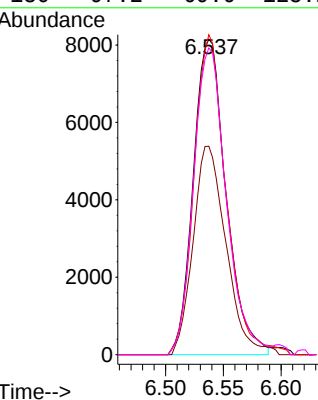
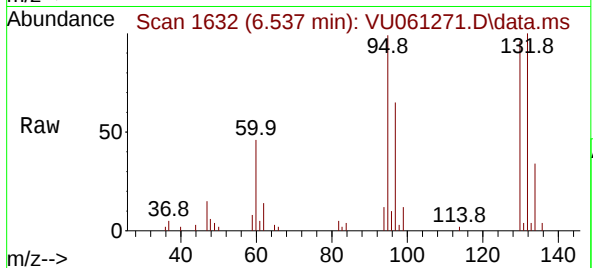
Ion Ratio Lower Upper

95 100

97 66.1 44.2 82.0

132 101.4 66.6 123.6

130 97.2 69.0 128.2



#35

Methylcyclohexane

Concen: 10.331 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

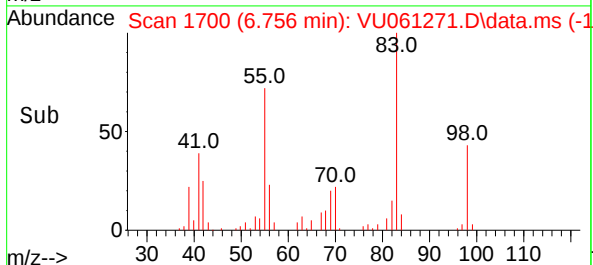
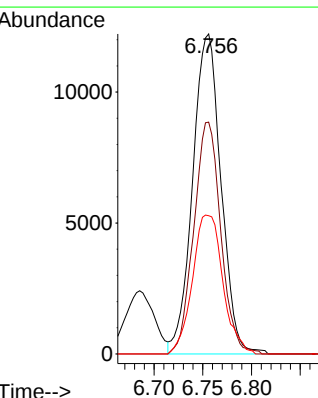
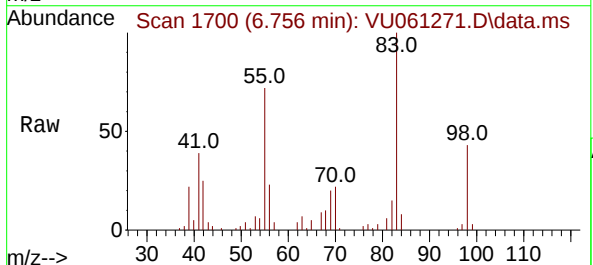
Tgt Ion: 83 Resp: 24768

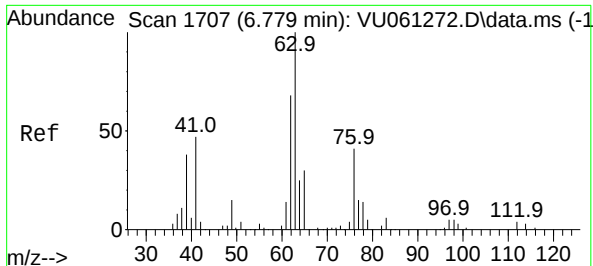
Ion Ratio Lower Upper

83 100

55 68.9 55.1 82.7

98 46.4 36.7 55.1

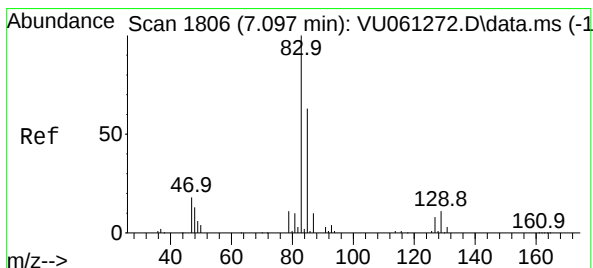
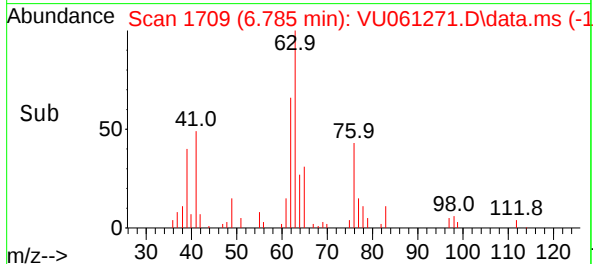
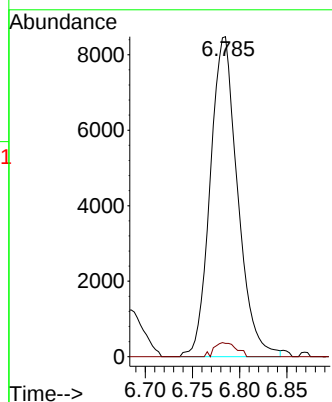
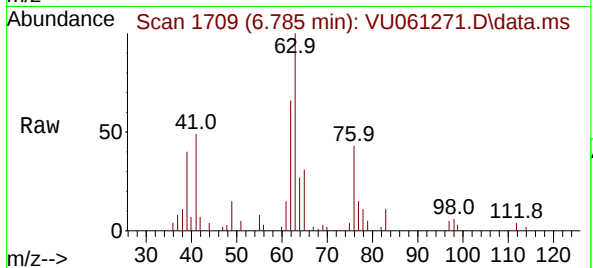




#37
1,2-Dichloropropane
Concen: 9.899 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

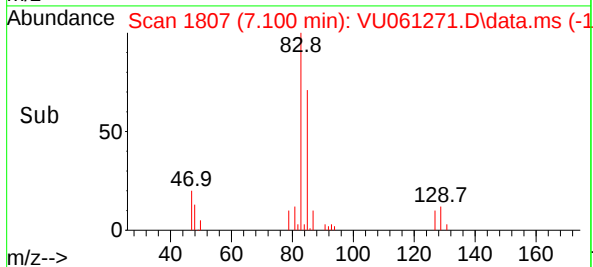
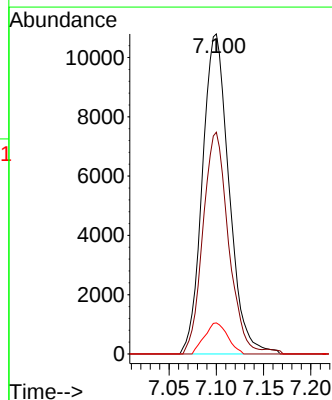
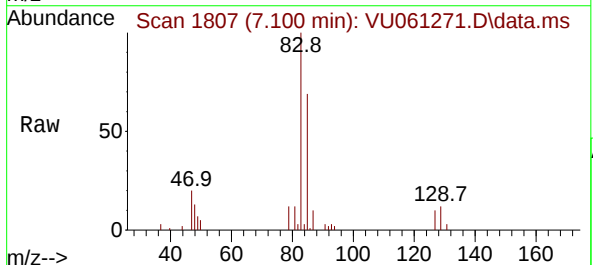
Instrument :
MSVOA_U
ClientSampleId :

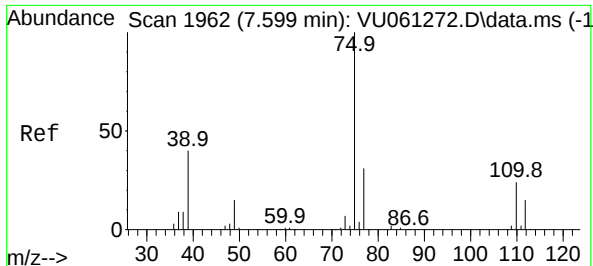
Tgt Ion: 63 Resp: 17106
Ion Ratio Lower Upper
63 100
112 3.2 3.3 4.9#



#38
Bromodichloromethane
Concen: 9.607 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt Ion: 83 Resp: 21157
Ion Ratio Lower Upper
83 100
85 69.3 44.2 82.0
127 9.7 6.3 9.5#

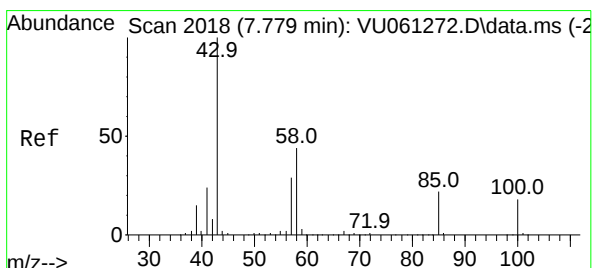
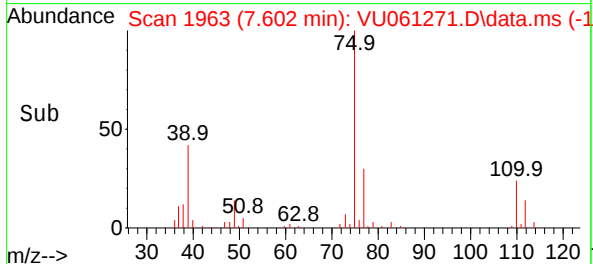
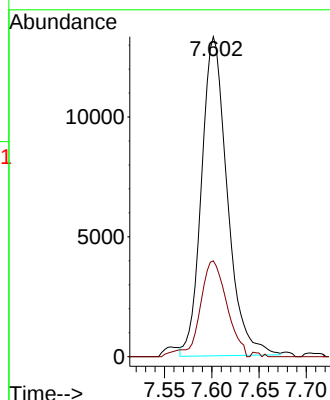
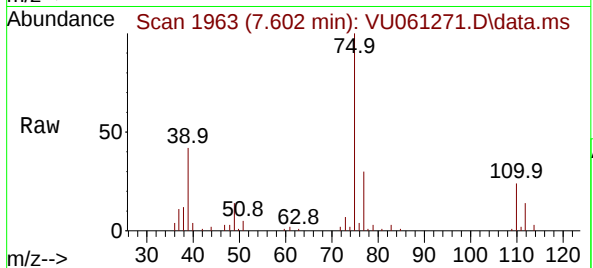




#39
 cis-1,3-Dichloropropene
 Concen: 9.443 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU061271.D
 Acq: 28 Oct 2024 17:56

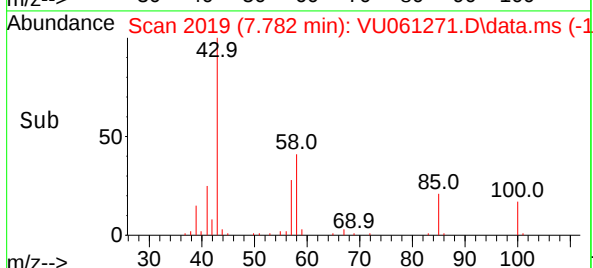
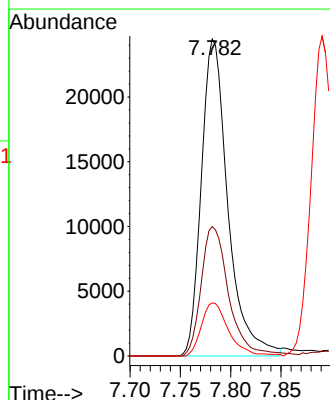
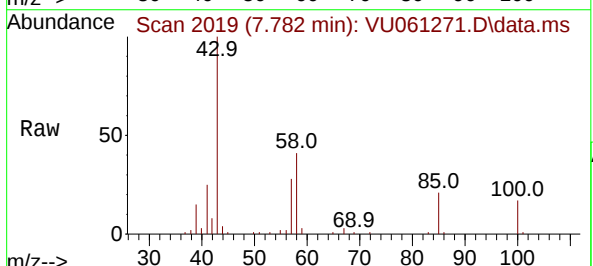
Instrument :
 MSVOA_U
 ClientSampleId :

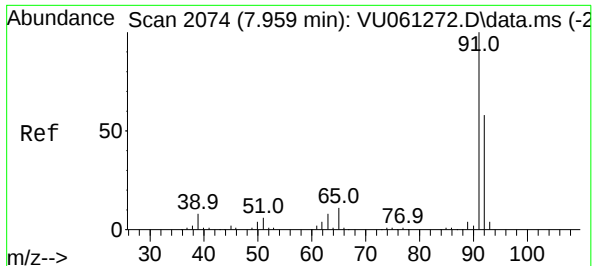
Tgt Ion: 75 Resp: 25260
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 20.091 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.003 min
 Lab File: VU061271.D
 Acq: 28 Oct 2024 17:56

Tgt Ion: 43 Resp: 44961
 Ion Ratio Lower Upper
 43 100
 58 42.6 35.2 52.8
 100 16.8 14.4 21.6





#42

Toluene

Concen: 9.776 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

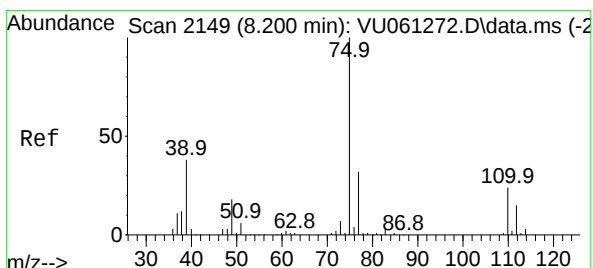
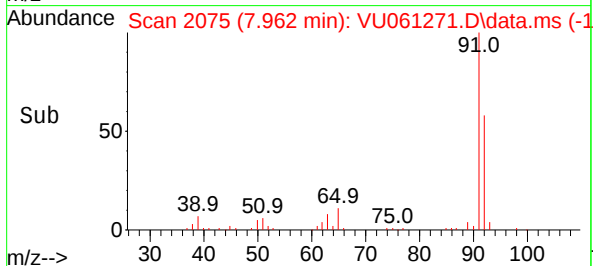
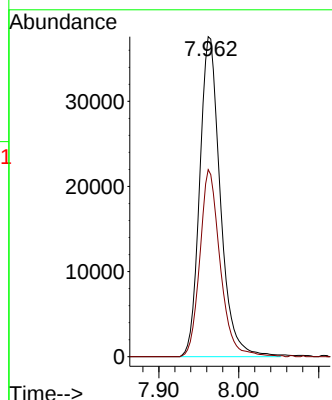
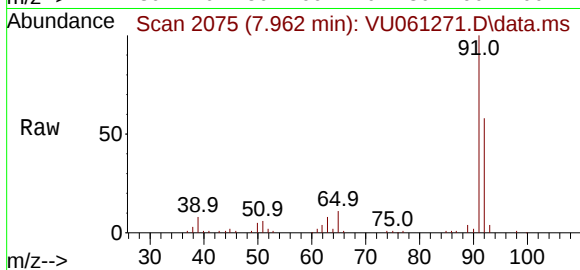
ClientSampleId :

Tgt Ion: 91 Resp: 67497

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 9.434 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU061271.D

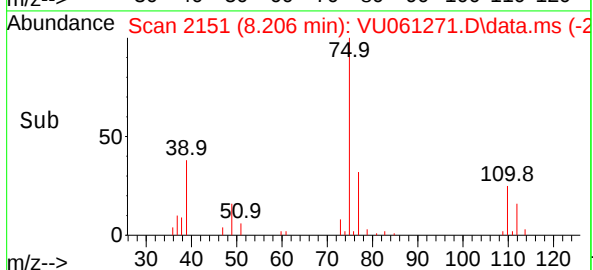
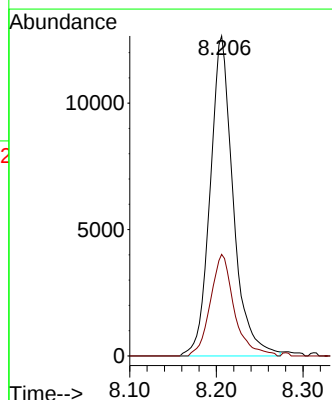
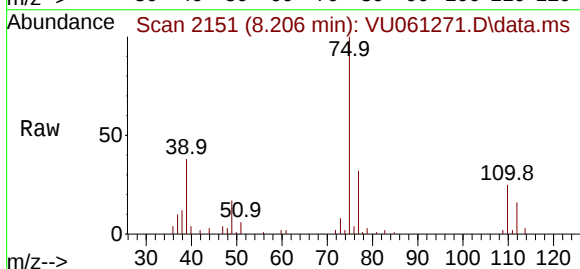
Acq: 28 Oct 2024 17:56

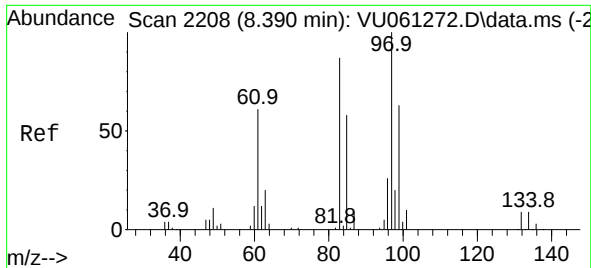
Tgt Ion: 75 Resp: 23360

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2

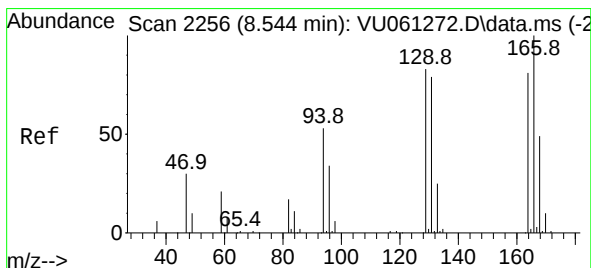
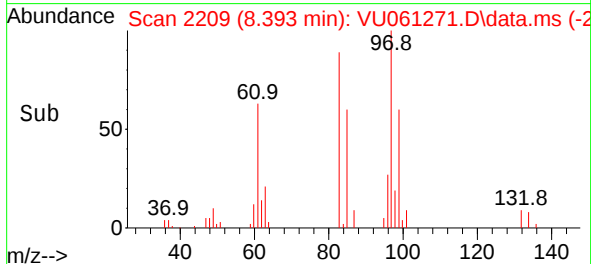
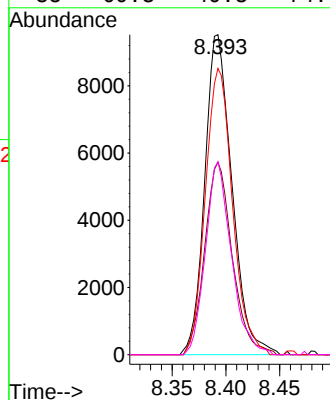
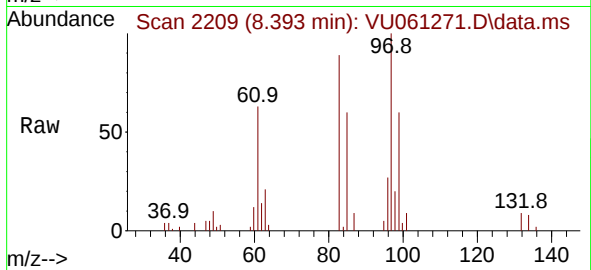




#45
1,1,2-Trichloroethane
Concen: 9.324 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

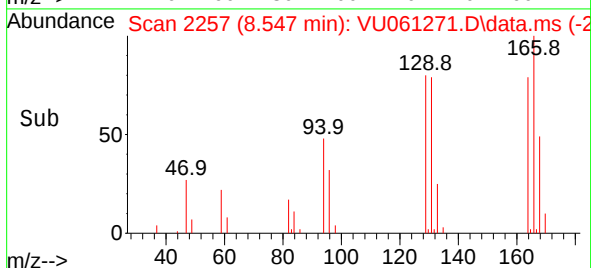
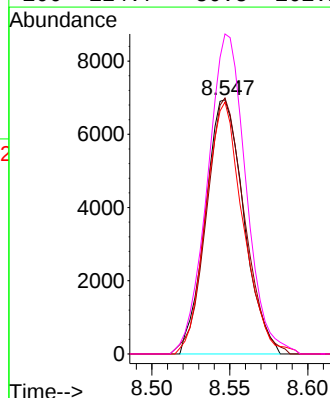
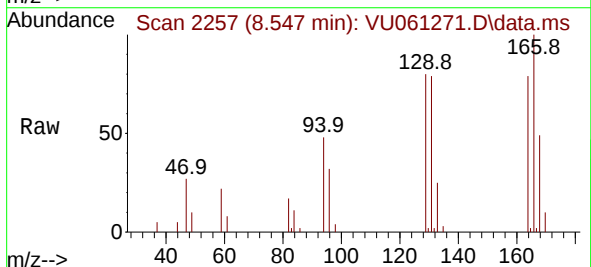
Instrument :
MSVOA_U
ClientSampleId :

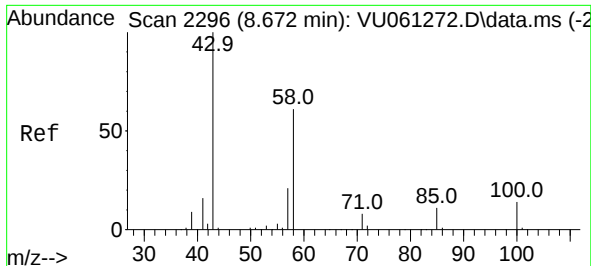
Tgt Ion: 97	Resp: 16805
Ion Ratio	Lower Upper
97 100	
99 60.2	44.4 82.5
83 89.5	61.0 113.2
85 60.3	40.3 74.9



#46
Tetrachloroethene
Concen: 8.759 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt	Ion:164	Resp:	11851
Ion	Ratio	Lower	Upper
164	100		
129	100.9	71.6	133.0
131	98.5	68.6	127.4
166	124.7	86.8	161.2





#48

2-Hexanone

Concen: 17.838 ug/L

RT: 8.679 min Scan# 2296

Delta R.T. 0.006 min

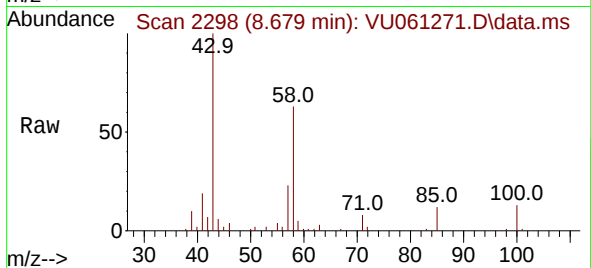
Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 33325

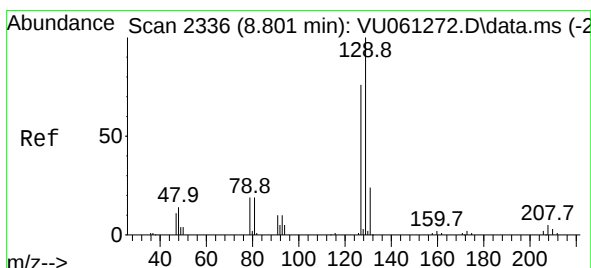
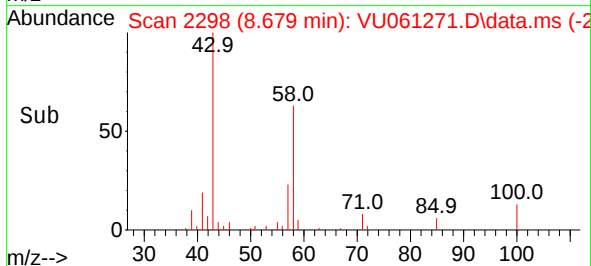
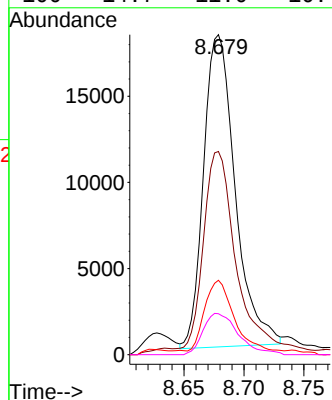
Ion Ratio Lower Upper

43 100

58 69.7 49.2 73.8

57 22.3 17.4 26.2

100 14.7 11.0 16.4



#49

Dibromochloromethane

Concen: 8.532 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU061271.D

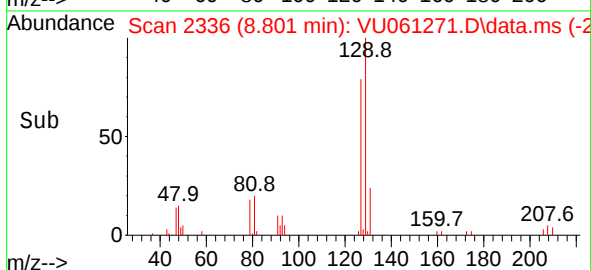
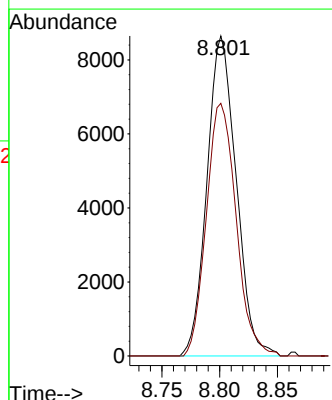
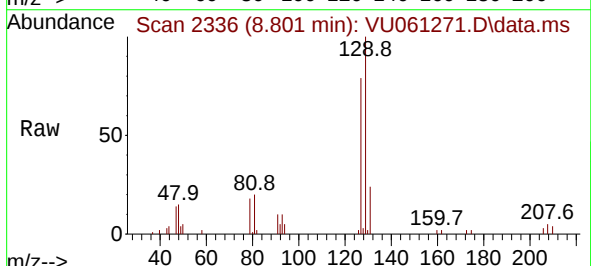
Acq: 28 Oct 2024 17:56

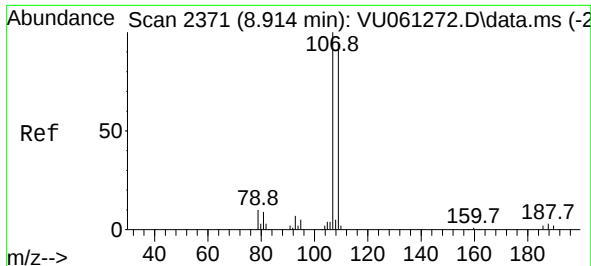
Tgt Ion: 129 Resp: 15218

Ion Ratio Lower Upper

129 100

127 77.6 53.5 99.3





#50

1,2-Dibromoethane

Concen: 9.585 ug/L

RT: 8.917 min Scan# 24

Delta R.T. 0.003 min

Lab File: VU061271.D

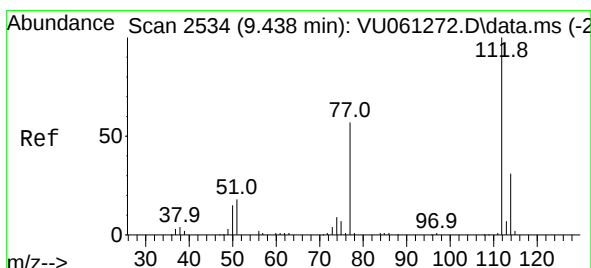
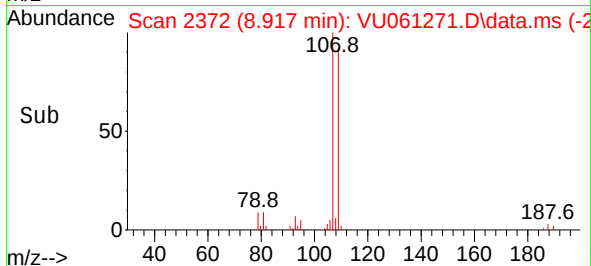
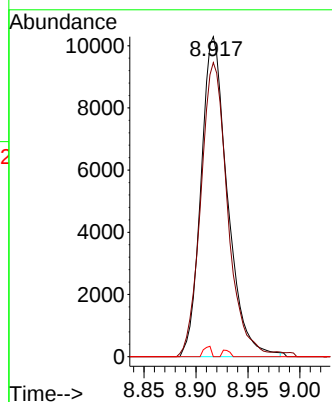
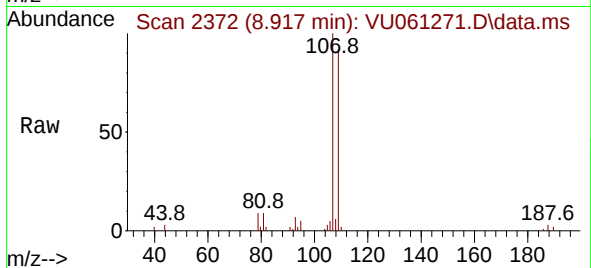
Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	18251
Ion Ratio	Lower	Upper	
107	100		
109	91.9	66.8	124.0
188	0.0	2.8	4.2#



#51

Chlorobenzene

Concen: 9.873 ug/L

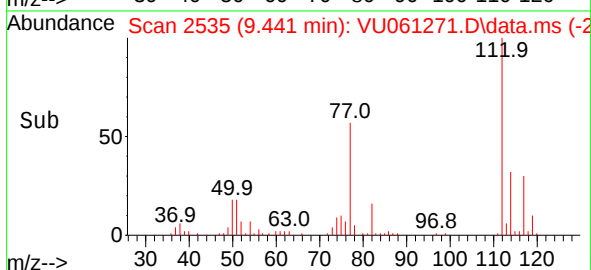
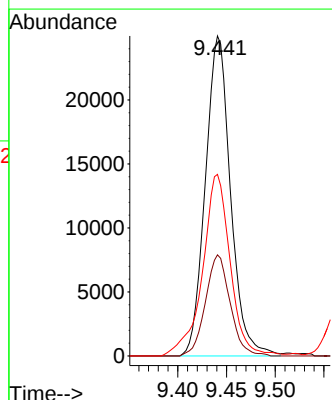
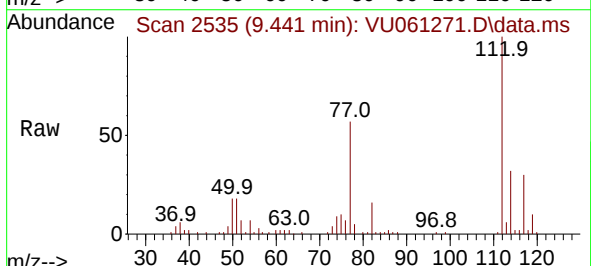
RT: 9.441 min Scan# 2535

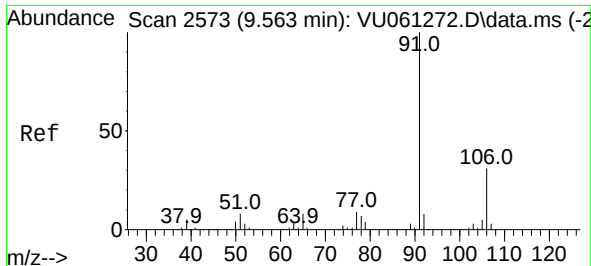
Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Tgt Ion:	112	Resp:	45073
Ion Ratio	Lower	Upper	
112	100		
114	31.6	22.0	40.8
77	56.7	45.8	68.6

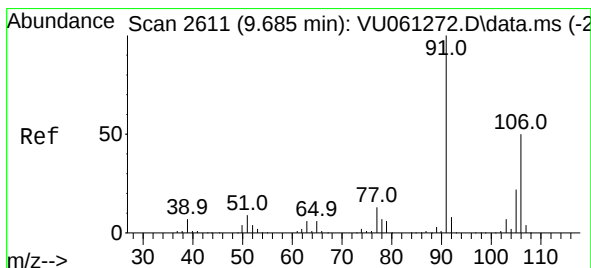
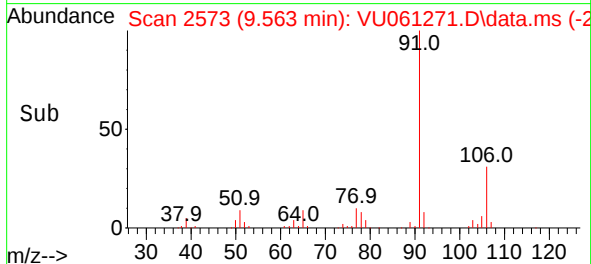
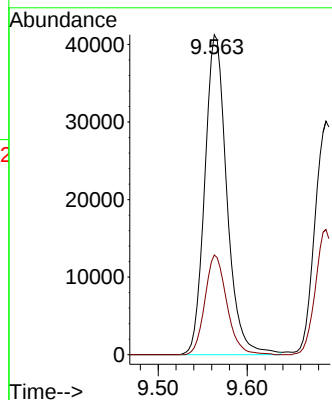
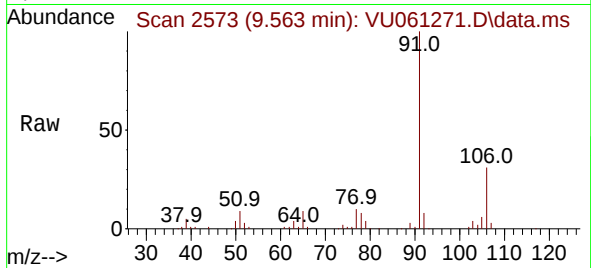




#52
Ethylbenzene
Concen: 9.562 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

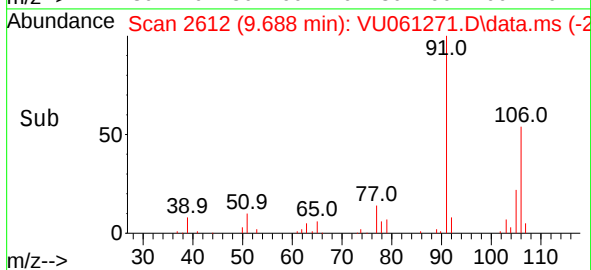
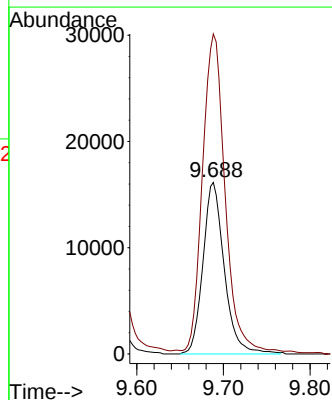
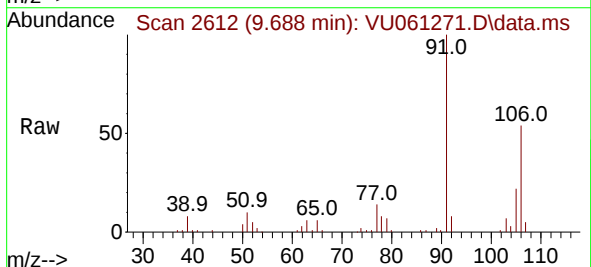
Instrument :
MSVOA_U
ClientSampleId :

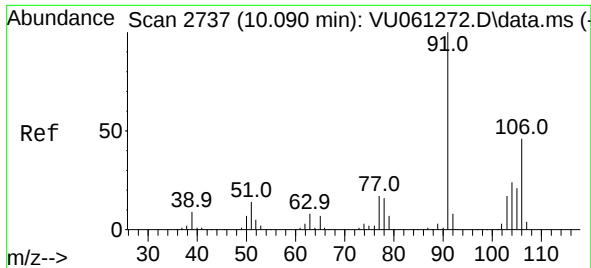
Tgt Ion: 91 Resp: 70936
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.2



#53
m,p-Xylene
Concen: 9.593 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt Ion:106 Resp: 27597
Ion Ratio Lower Upper
106 100
91 171.7 140.6 261.2

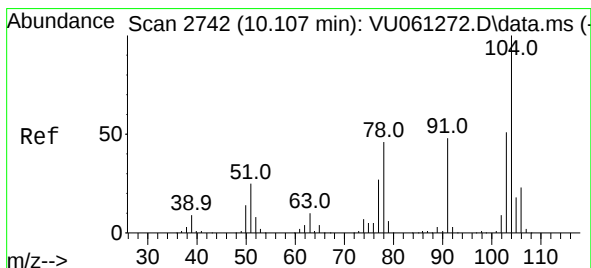
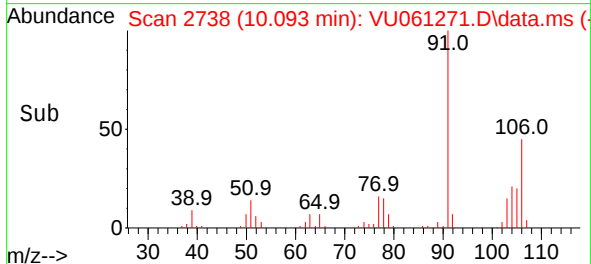
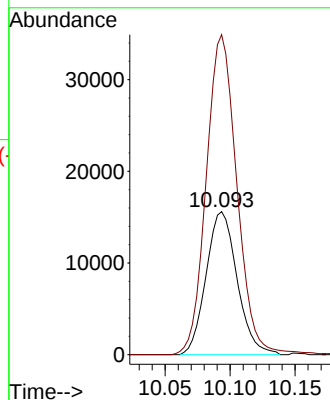
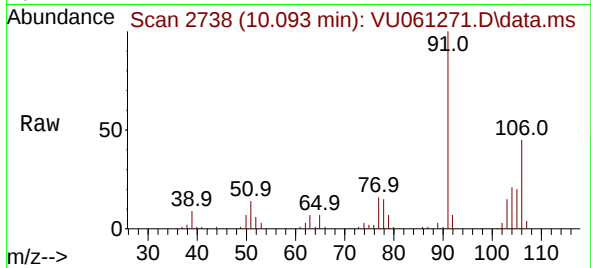




#54
o-Xylene
Concen: 9.329 ug/L
RT: 10.093 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

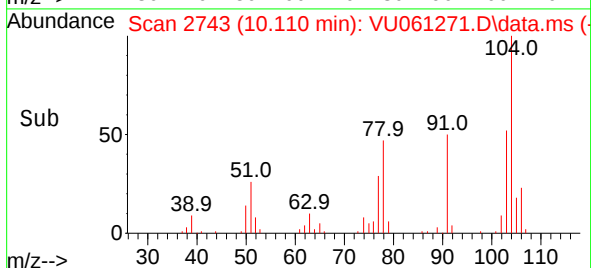
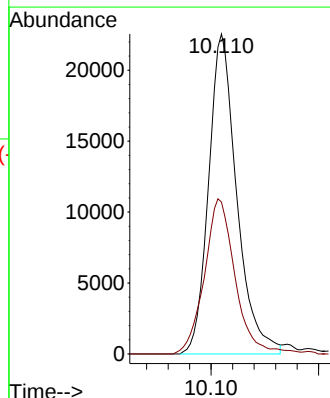
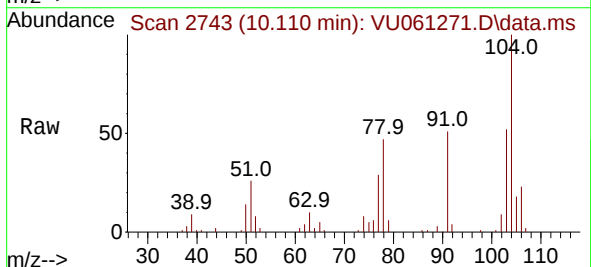
Instrument :
MSVOA_U
ClientSampleId :

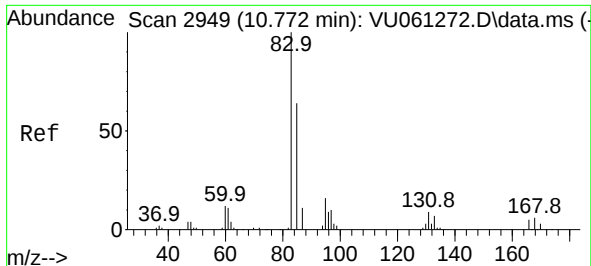
Tgt Ion:106 Resp: 25931
Ion Ratio Lower Upper
106 100
91 223.7 152.7 283.7



#55
Styrene
Concen: 8.846 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt Ion:104 Resp: 41042
Ion Ratio Lower Upper
104 100
78 47.4 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 9.399 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU061271.D

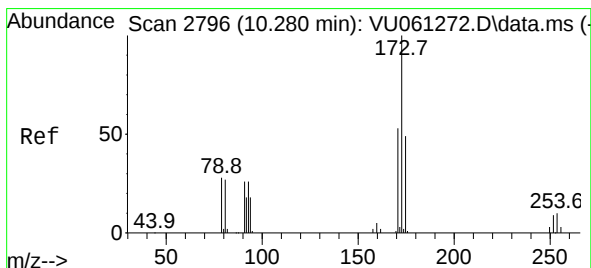
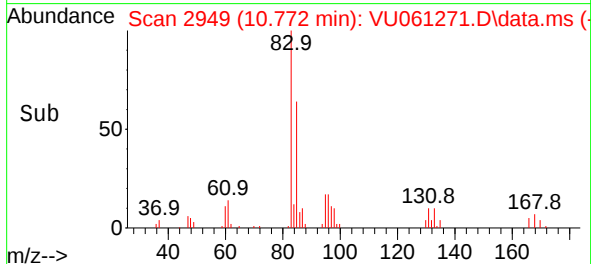
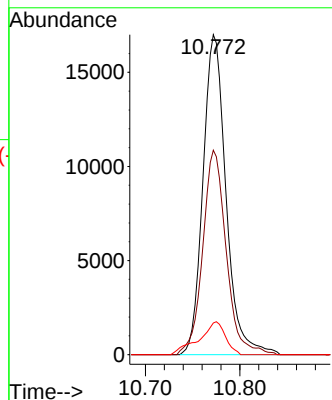
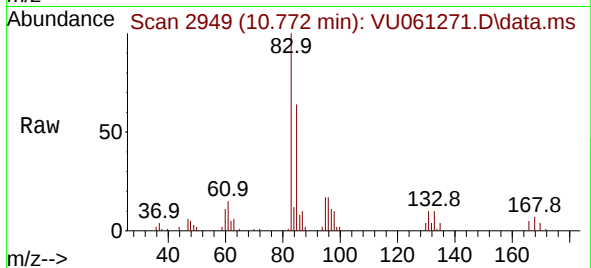
Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	28791
Ion Ratio	Lower	Upper	
83	100		
85	63.9	45.3	84.1
131	9.9	7.5	11.3



#59

Bromoform

Concen: 8.902 ug/L

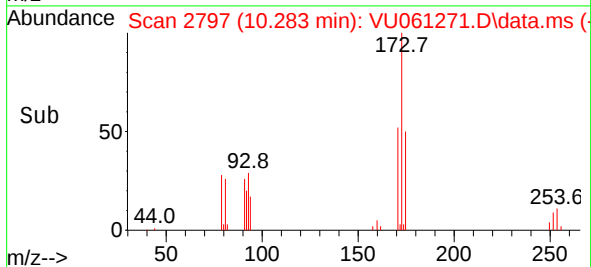
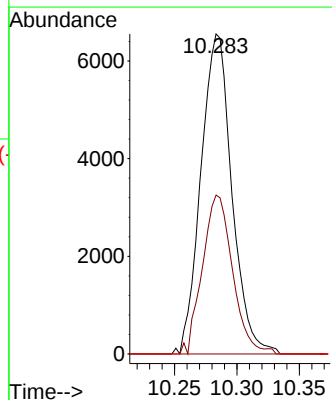
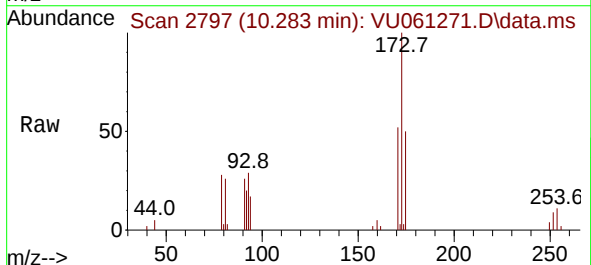
RT: 10.283 min Scan# 2797

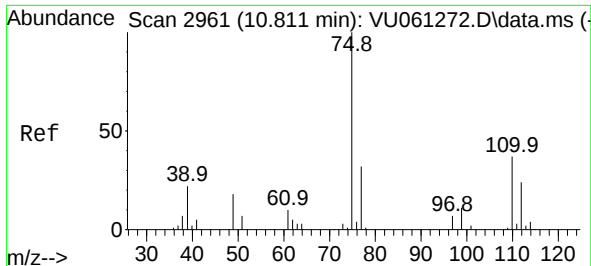
Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Tgt Ion:	173	Resp:	11302
Ion Ratio	Lower	Upper	
173	100		
175	47.6	39.7	59.5
254	0.0	1.4	2.0

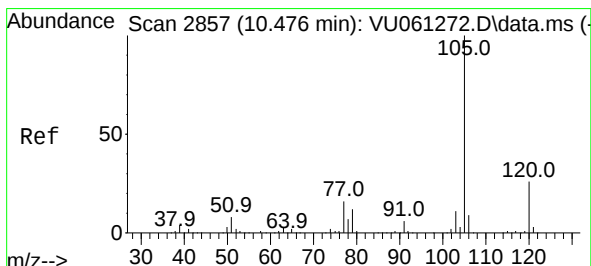
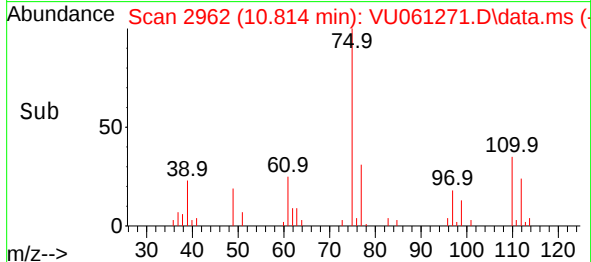
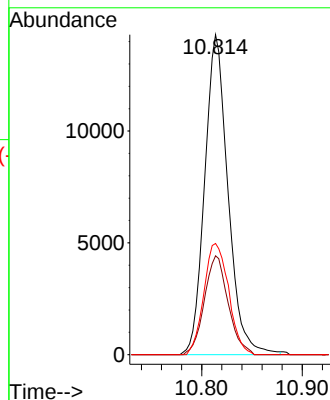
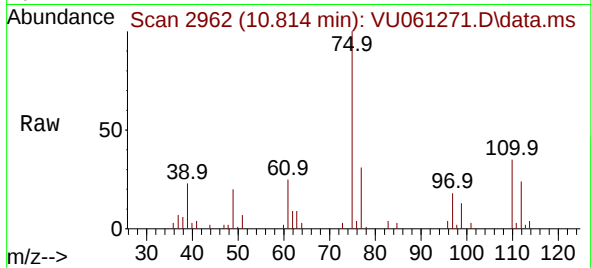




#60
1,2,3-Trichloropropane
Concen: 11.170 ug/L
RT: 10.814 min Scan# 2961
Delta R.T. 0.003 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

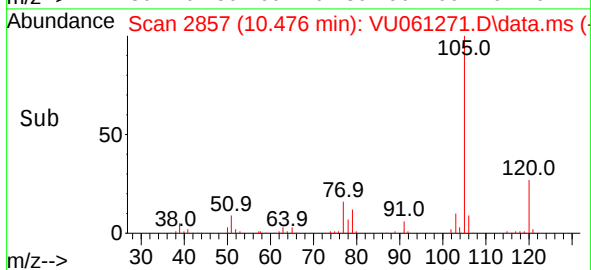
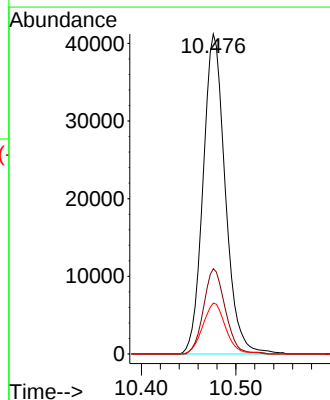
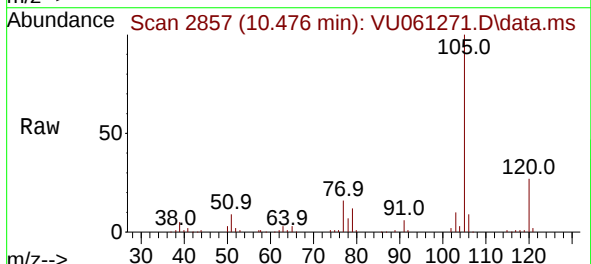
Instrument :
MSVOA_U
ClientSampleId :

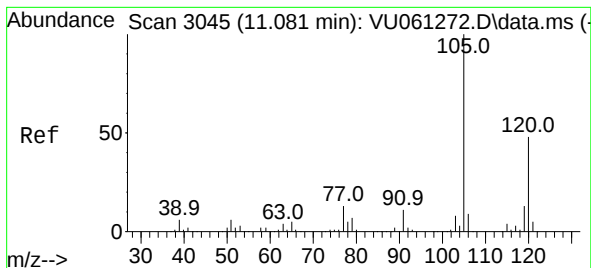
Tgt Ion: 75 Resp: 23060
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3
110 36.8 29.8 44.6



#61
Isopropylbenzene
Concen: 10.609 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU061271.D
Acq: 28 Oct 2024 17:56

Tgt Ion:105 Resp: 67149
Ion Ratio Lower Upper
105 100
120 25.8 20.8 31.2
77 16.4 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 11.120 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

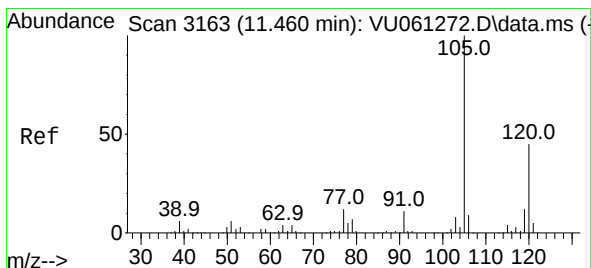
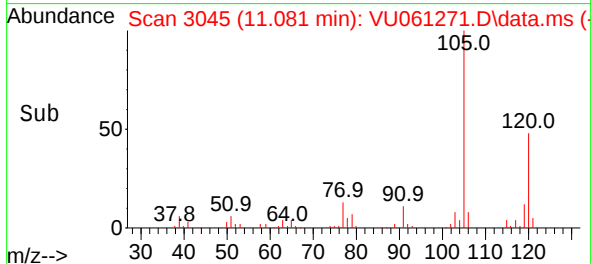
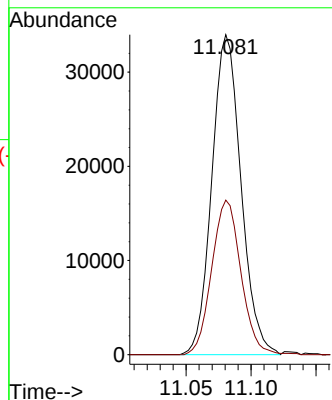
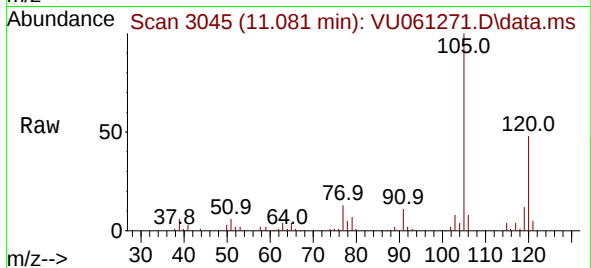
ClientSampleId :

Tgt Ion:105 Resp: 52924

Ion Ratio Lower Upper

105 100

120 48.3 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 10.352 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU061271.D

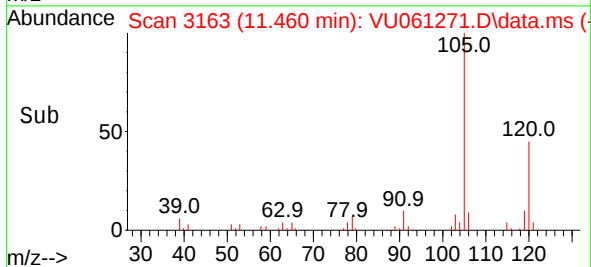
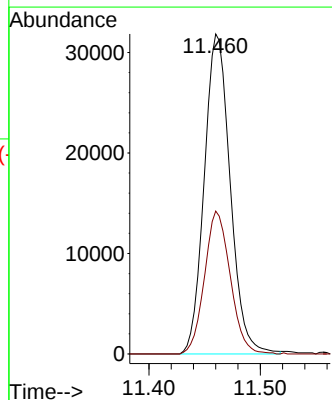
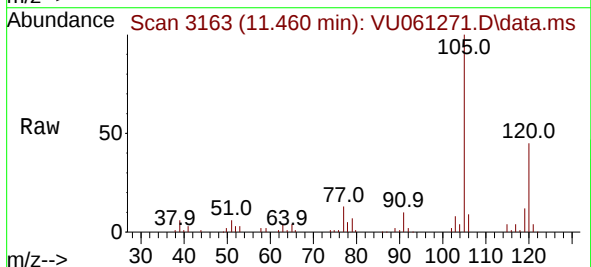
Acq: 28 Oct 2024 17:56

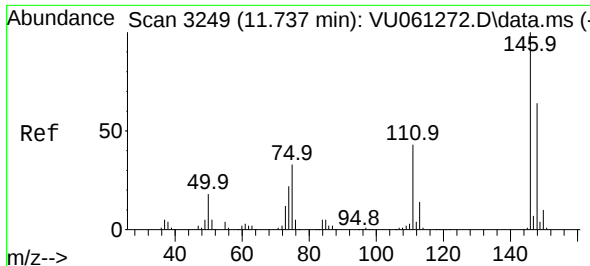
Tgt Ion:105 Resp: 51576

Ion Ratio Lower Upper

105 100

120 44.2 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 9.347 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.003 min

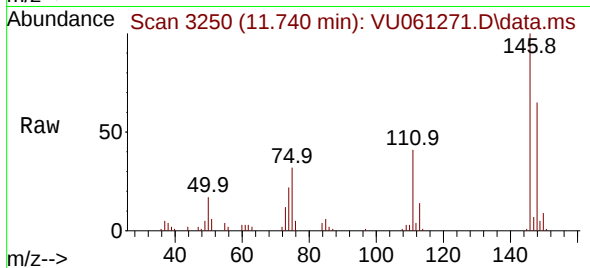
Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :



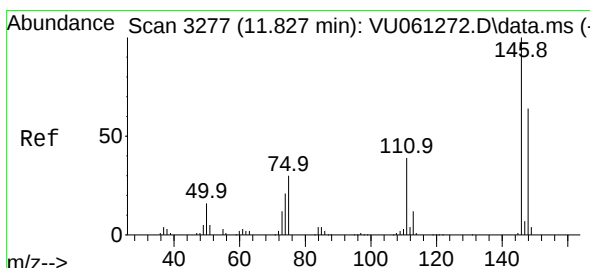
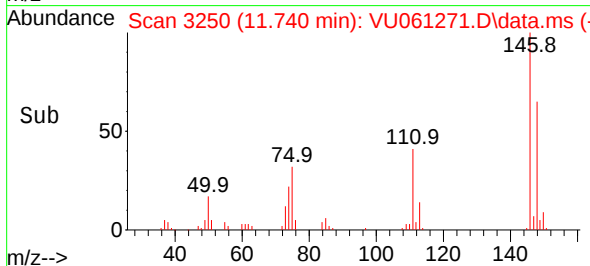
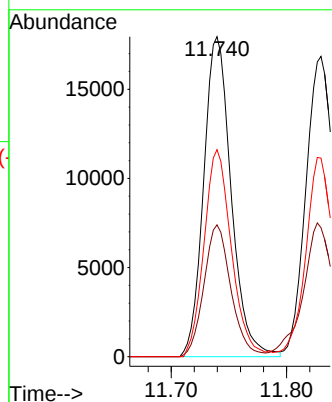
Tgt Ion:146 Resp: 29729

Ion Ratio Lower Upper

146 100

111 44.9 27.9 51.7

148 69.5 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 9.225 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

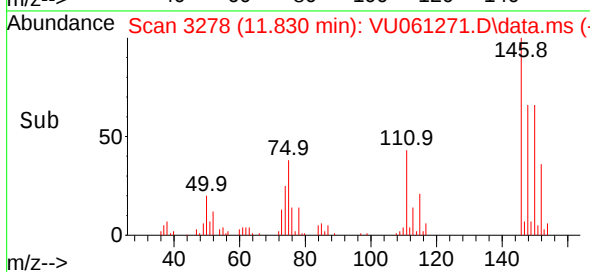
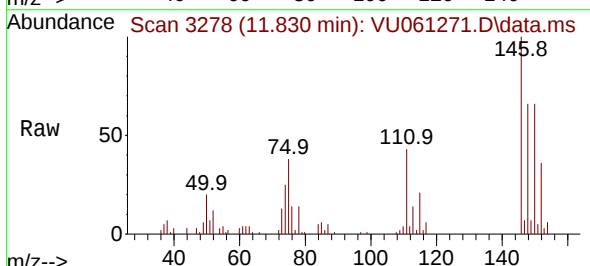
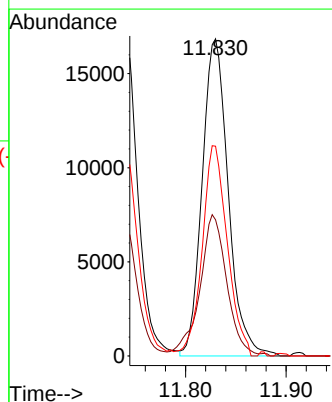
Tgt Ion:146 Resp: 30340

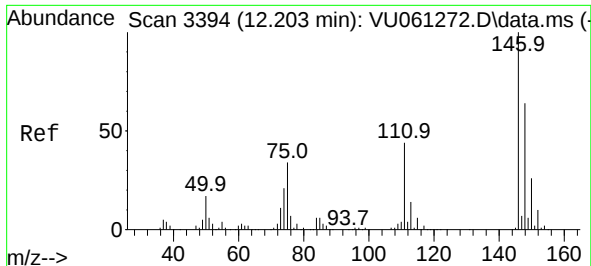
Ion Ratio Lower Upper

146 100

111 43.4 27.9 51.7

148 68.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 9.193 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :

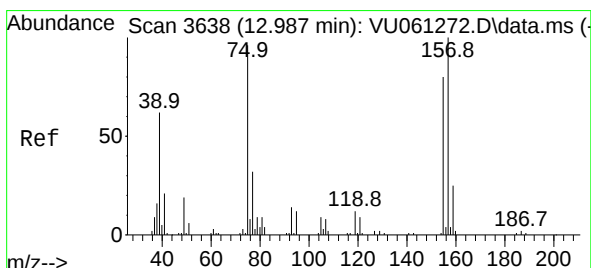
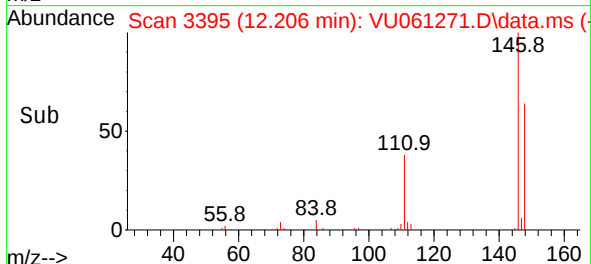
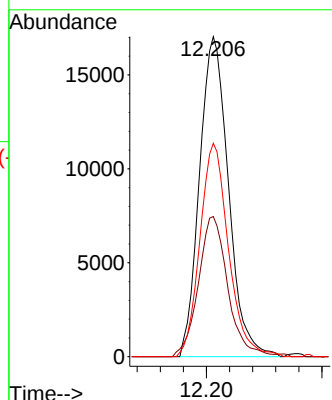
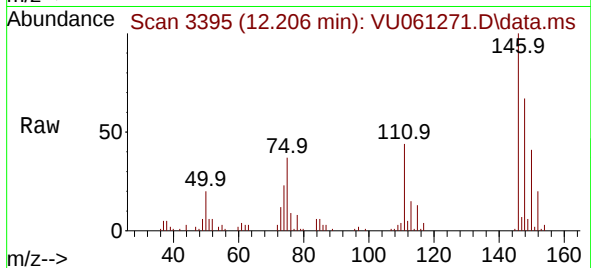
Tgt Ion:146 Resp: 29627

Ion Ratio Lower Upper

146 100

111 43.8 35.6 53.4

148 72.5 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 9.564 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

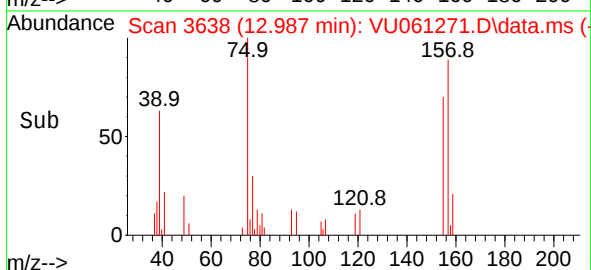
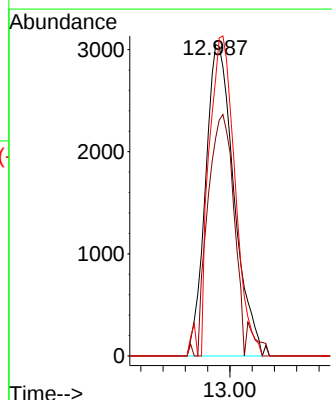
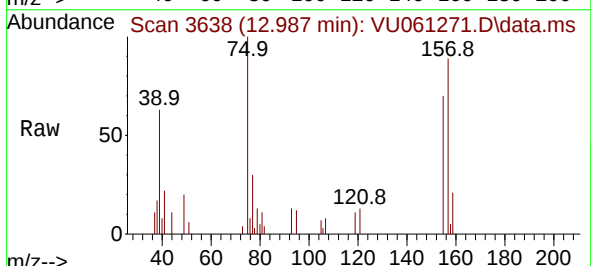
Tgt Ion: 75 Resp: 5430

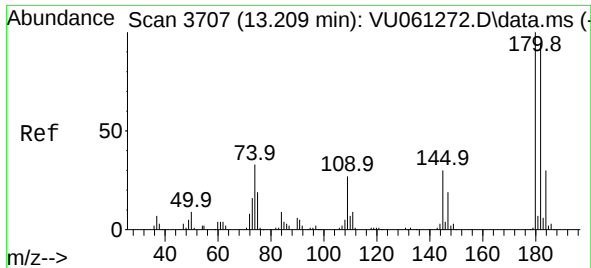
Ion Ratio Lower Upper

75 100

155 70.1 66.6 100.0

157 94.3 87.1 130.7





#69

1,3,5-Trichlorobenzene

Concen: 8.335 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.006 min

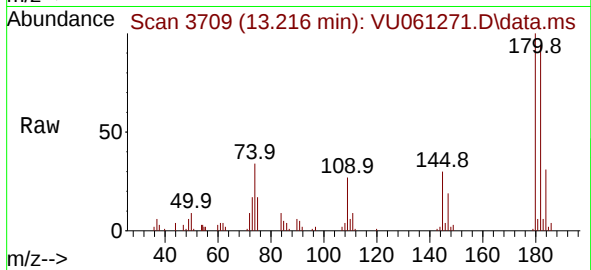
Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 18985

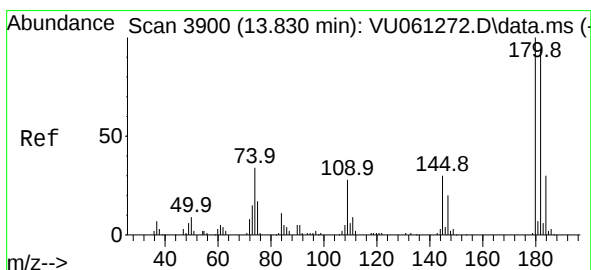
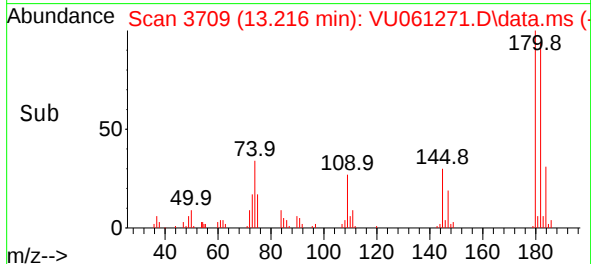
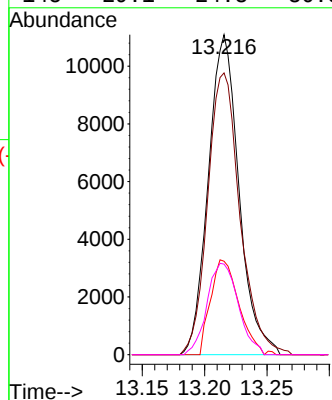
Ion Ratio Lower Upper

180 100

182 92.6 75.3 112.9

184 27.2 23.7 35.5

145 29.1 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 6.935 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.009 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

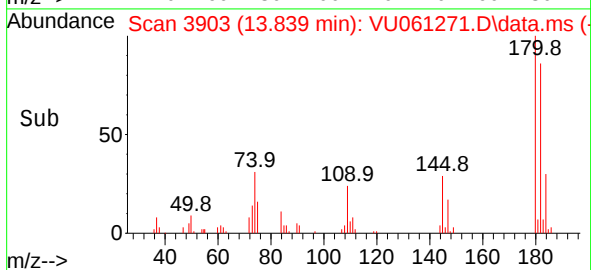
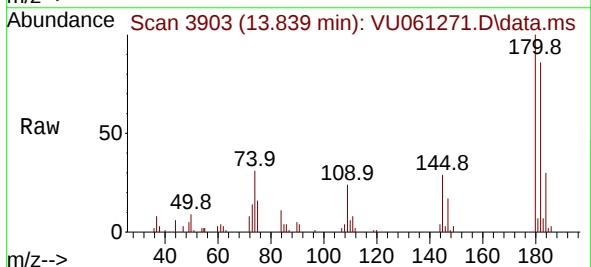
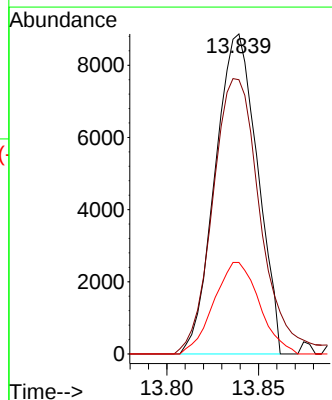
Tgt Ion:180 Resp: 14205

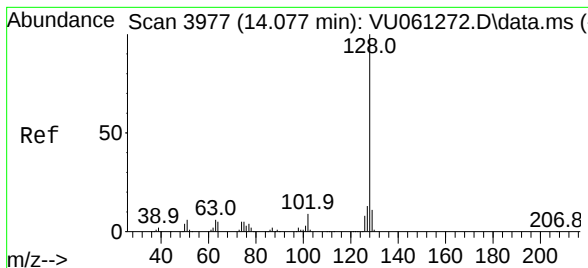
Ion Ratio Lower Upper

180 100

182 96.5 76.0 114.0

145 30.8 25.0 37.4





#71

Naphthalene

Concen: 6.163 ug/L

RT: 14.087 min Scan# 3977

Delta R.T. 0.009 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Instrument :

MSVOA_U

ClientSampleId :

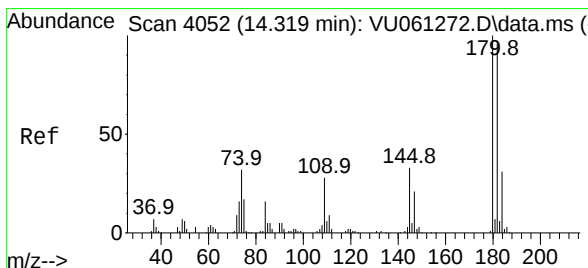
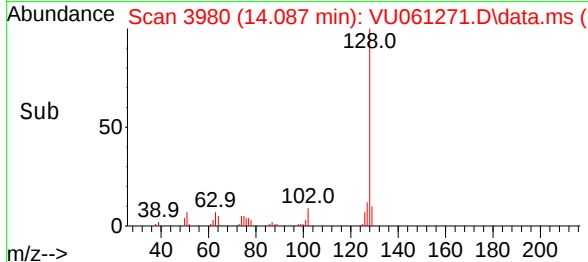
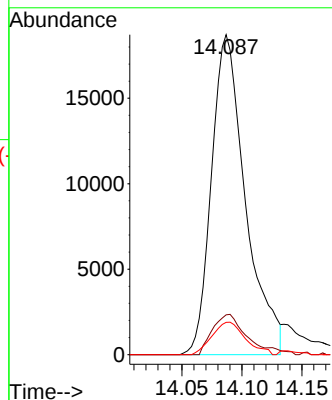
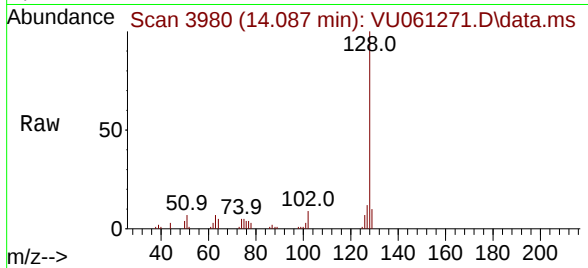
Tgt Ion:128 Resp: 36879

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.4

129 10.0 8.3 12.5



#72

1,2,3-Trichlorobenzene

Concen: 6.826 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.006 min

Lab File: VU061271.D

Acq: 28 Oct 2024 17:56

Tgt Ion:180 Resp: 13832

Ion Ratio Lower Upper

180 100

182 86.1 76.7 115.1

145 31.2 25.6 38.4

