

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082824\
 Data File : VU060557.D
 Acq On : 28 Aug 2024 13:35
 Operator : MD/SY
 Sample : P3755-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 05:47:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 29 05:46:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	172254	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	174037	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	79134	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	31149	4.094	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.907	69	32709	2.838	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	56.800%#
11) 1,1-Dichloroethene-d2	2.560	65	15209	3.392	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.800%
20) 2-Butanone-d5	4.644	46	128394	49.075	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.160%
24) Chloroform-d	5.055	84	91854	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.695	65	45790	4.046	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
32) Benzene-d6	5.721	84	171291	4.501	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	6.685	67	59340	4.833	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.891	98	141635	3.967	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	8.174	79	19327	4.399	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.631	63	87658	41.668	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.340%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	49518	4.532	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	55667	4.771	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%

Target Compounds				Qvalue		
3) Chloromethane	1.515	50	2632	0.155	ug/L #	79
5) Vinyl chloride	1.599	62	291818	17.499	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	7247	0.472	ug/L #	30
12) 1,1-Dichloroethene	2.573	96	3195159	226.325	ug/L #	74
14) Carbon disulfide	2.785	76	10225	0.223	ug/L	100
15) Methyl Acetate	3.039	43	4056	0.906	ug/L #	75
16) Methylene chloride	3.036	84	1031352	75.210	ug/L	84
18) trans-1,2-Dichloroethene	3.348	96	224562	18.272	ug/L	96
19) 1,1-Dichloroethane	3.859	63	666793	26.772	ug/L	95
25) Chloroform	5.078	83	21228	0.805	ug/L	87
27) 1,2-Dichloroethane	5.792	62	34451	1.947	ug/L #	93
29) 1,1,1-Trichloroethane	5.309	97	12845755	538.911	ug/L	96
30) Cyclohexane	5.374	56	1569	0.080	ug/L #	65
31) Carbon tetrachloride	5.309	117	1732048	78.624	ug/L	100
33) Benzene	5.769	78	10779	0.195	ug/L	100
35) Methylcyclohexane	6.550	83	737839	35.941	ug/L #	1
37) 1,2-Dichloropropane	6.685	63	6880	0.486	ug/L #	94
42) Toluene	7.965	91	120559	2.067	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	83975	8.196	ug/L	96

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QLast Update : Thu Aug 29 05:46:35 2024
Response via : Initial Calibration

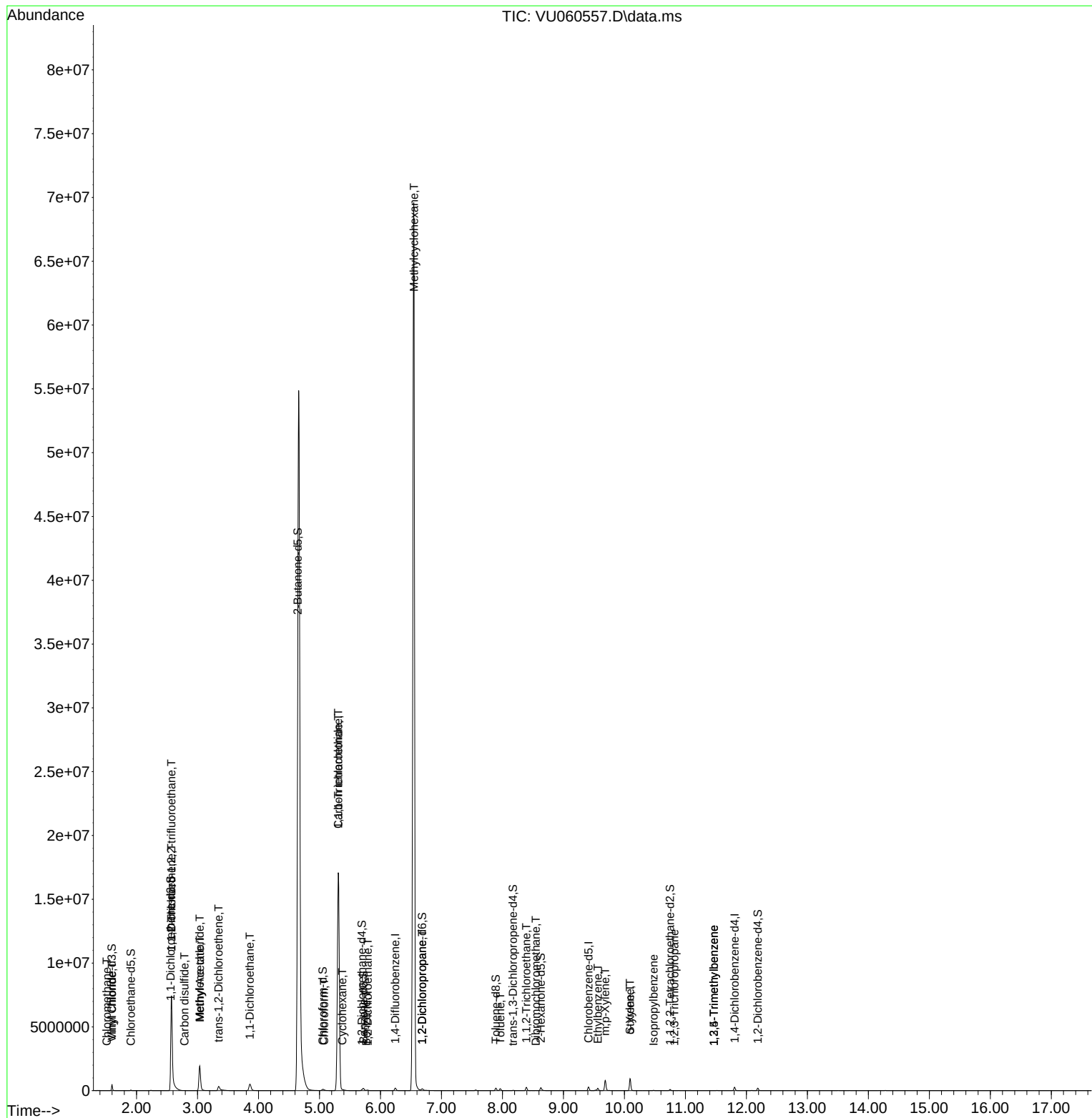
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.547	129	2311	0.195	ug/L #	12
52) Ethylbenzene	9.563	91	130712	2.115	ug/L	98
53) m,p-Xylene	9.685	106	244533	10.641	ug/L	99
54) o-Xylene	10.094	106	259270	11.020	ug/L	97
55) Styrene	10.094	104	17148	0.445	ug/L #	1
60) Isopropylbenzene	10.479	105	18624	0.352	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	1232	0.161	ug/L #	57
62) 1,3,5-Trimethylbenzene	11.467	105	4149	0.105	ug/L	97
63) 1,2,4-Trimethylbenzene	11.467	105	4149	0.103	ug/L	100

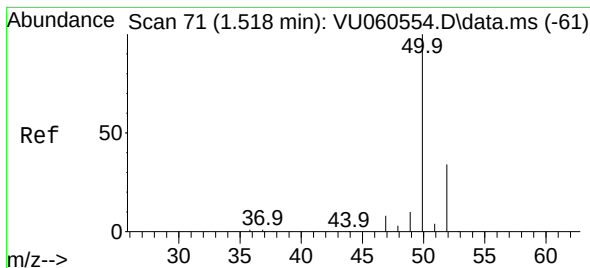
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.155 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU060557.D

Acq: 28 Aug 2024 13:35

Instrument :

MSVOA_U

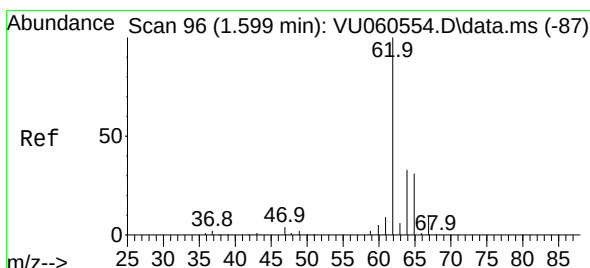
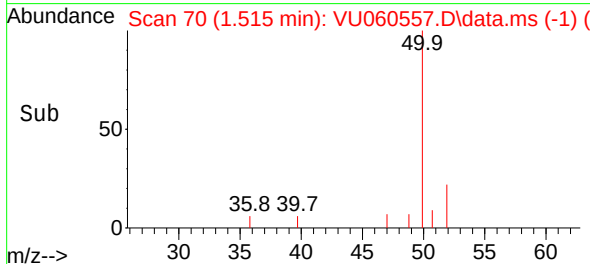
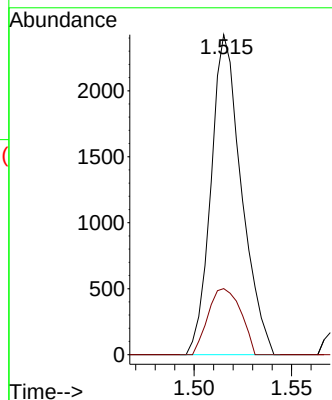
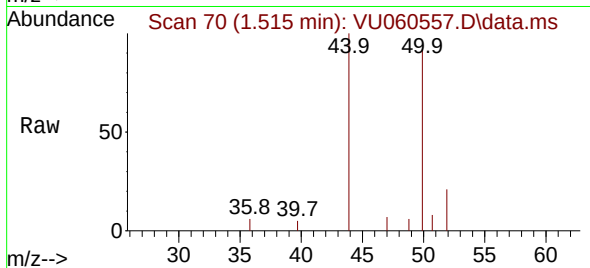
ClientSampleId :

Tgt Ion: 50 Resp: 2632

Ion Ratio Lower Upper

50 100

52 20.7 22.7 42.1#



#5

Vinyl chloride

Concen: 17.499 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU060557.D

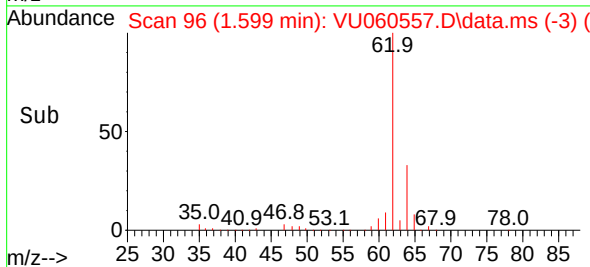
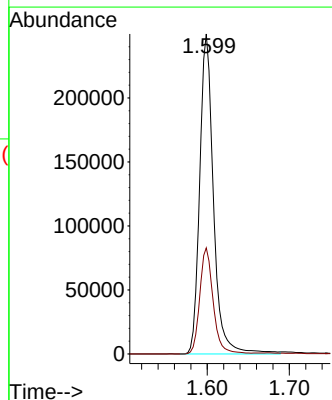
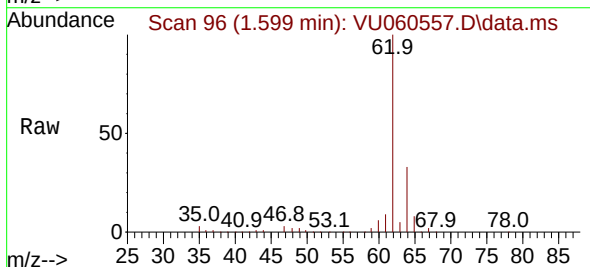
Acq: 28 Aug 2024 13:35

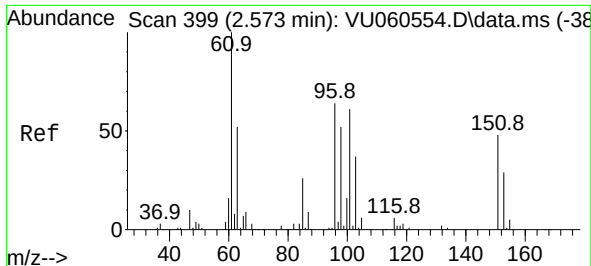
Tgt Ion: 62 Resp: 291818

Ion Ratio Lower Upper

62 100

64 33.2 22.0 40.8

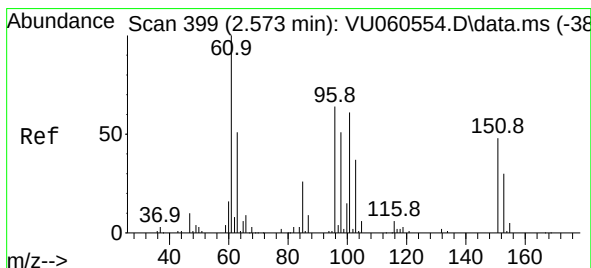
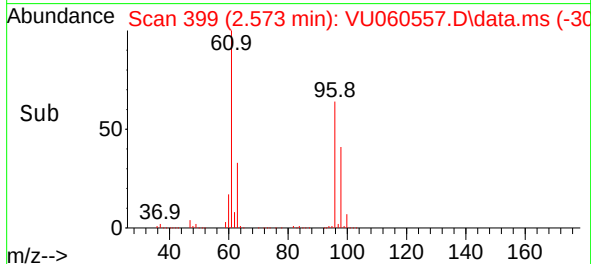
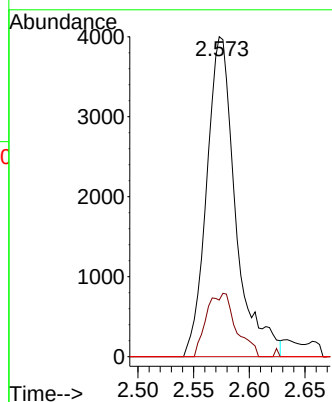
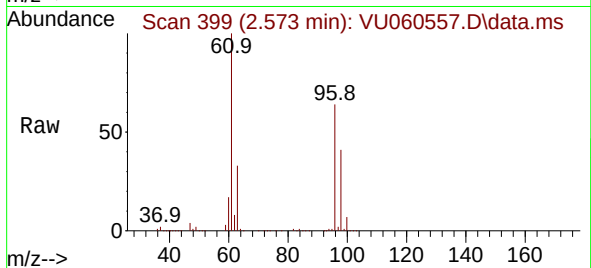




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.472 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU060557.D
 Acq: 28 Aug 2024 13:35

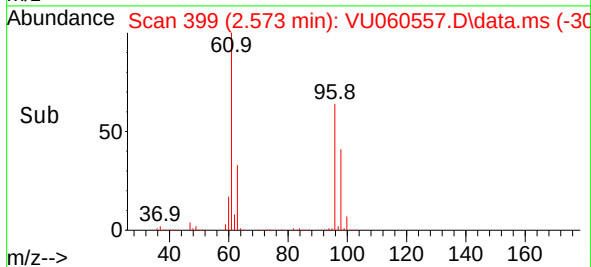
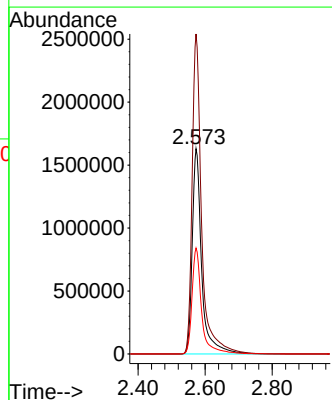
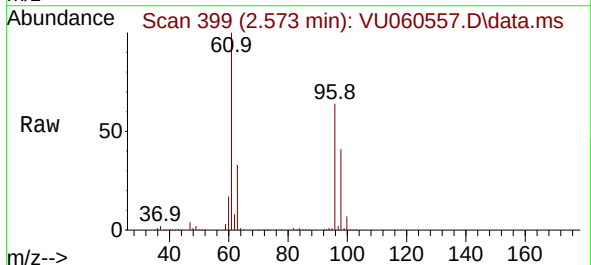
Instrument :
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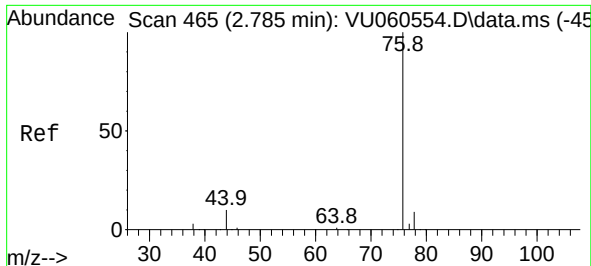
Tgt Ion:101 Resp: 7247
 Ion Ratio Lower Upper
 101 100
 85 20.1 35.8 53.6#
 151 0.0 61.7 92.5#



#12
 1,1-Dichloroethene
 Concen: 226.325 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU060557.D
 Acq: 28 Aug 2024 13:35

Tgt Ion: 96 Resp: 3195159
 Ion Ratio Lower Upper
 96 100
 61 155.9 116.4 216.2
 63 51.6 74.8 139.0#

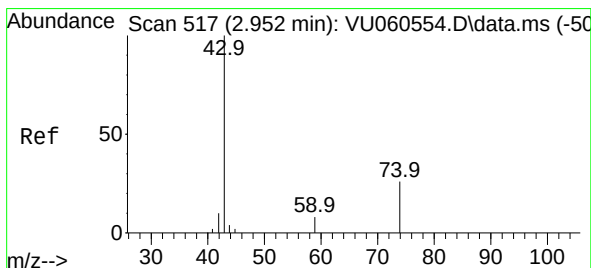
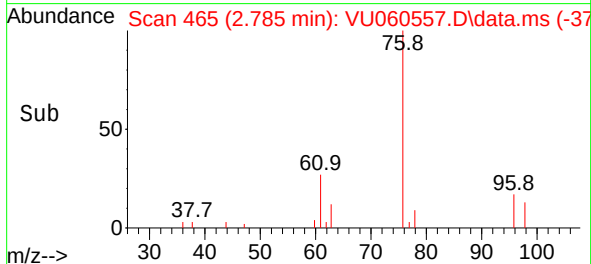
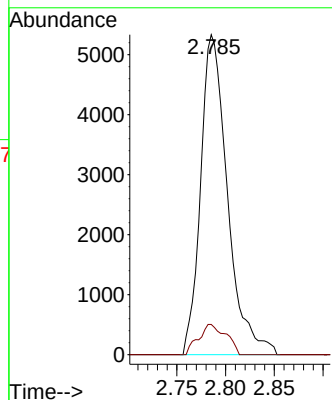
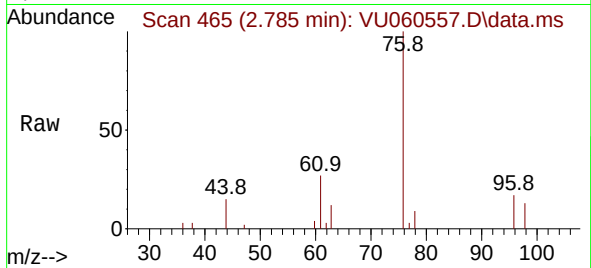




#14
Carbon disulfide
Concen: 0.223 ug/L
RT: 2.785 min Scan# 40
Delta R.T. 0.000 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

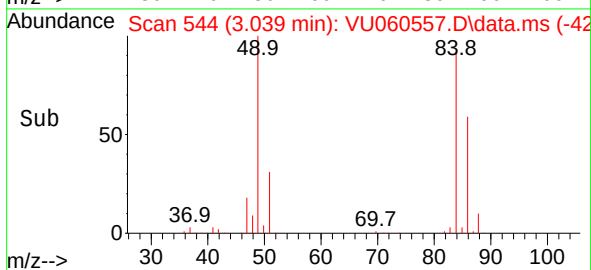
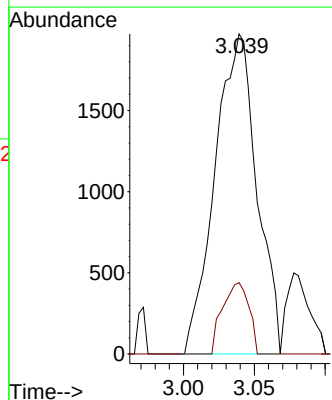
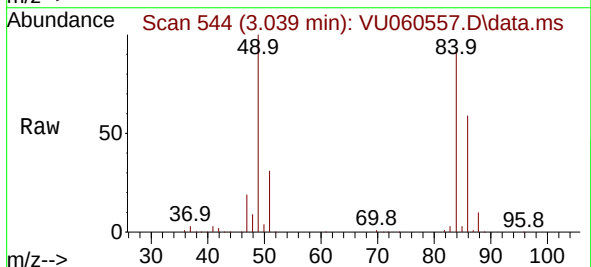
Instrument :
MSVOA_U
ClientSampleId :

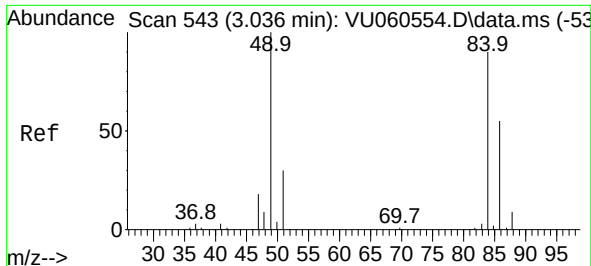
Tgt Ion: 76 Resp: 10225
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#15
Methyl Acetate
Concen: 0.906 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.087 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

Tgt Ion: 43 Resp: 4056
Ion Ratio Lower Upper
43 100
74 14.0 21.4 32.2#





#16

Methylene chloride

Concen: 75.210 ug/L

RT: 3.036 min Scan# 54

Delta R.T. 0.000 min

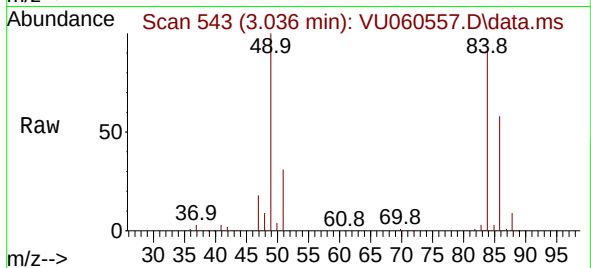
Lab File: VU060557.D

Acq: 28 Aug 2024 13:35

Instrument :

MSVOA_U

ClientSampleId :



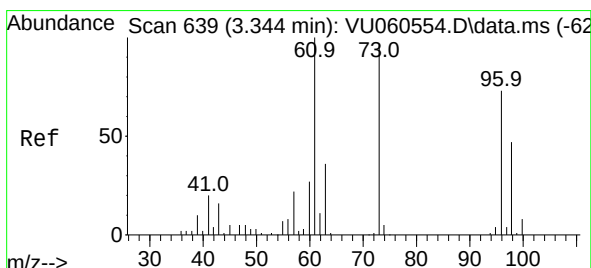
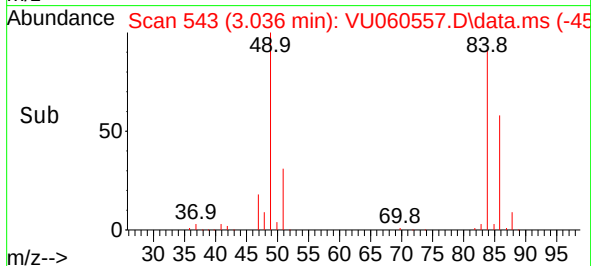
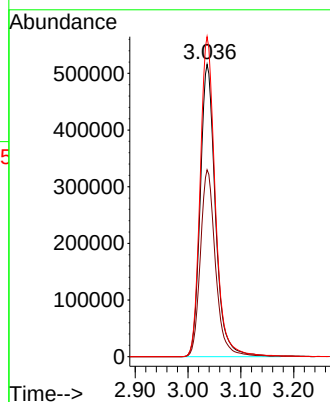
Tgt Ion: 84 Resp: 1031352

Ion Ratio Lower Upper

84 100

86 63.9 47.5 88.3

49 109.5 94.4 175.2



#18

trans-1,2-Dichloroethene

Concen: 18.272 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.003 min

Lab File: VU060557.D

Acq: 28 Aug 2024 13:35

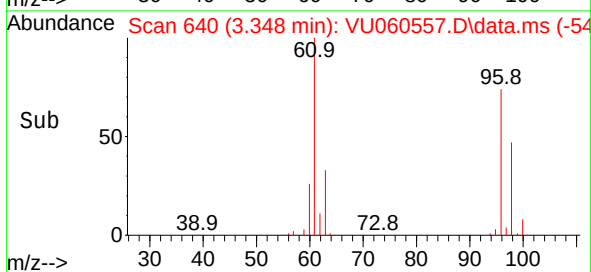
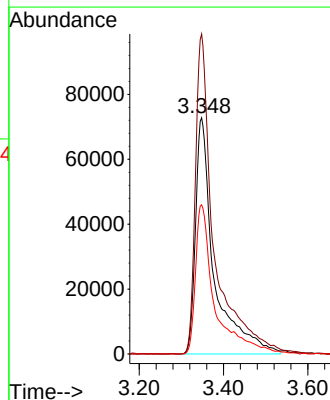
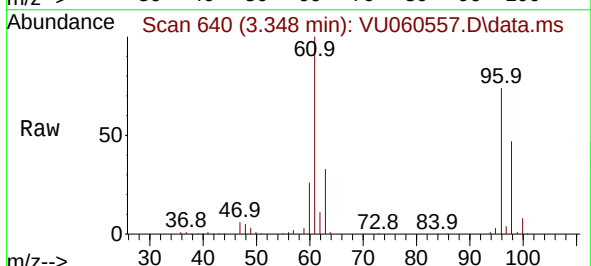
Tgt Ion: 96 Resp: 224562

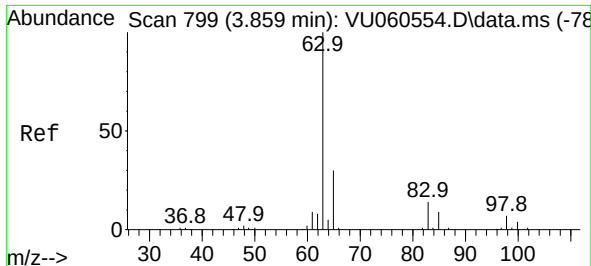
Ion Ratio Lower Upper

96 100

61 135.5 99.2 184.2

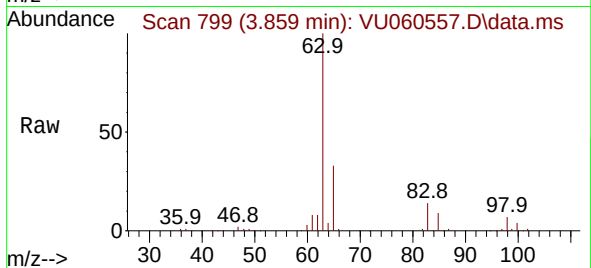
98 63.2 44.0 81.8



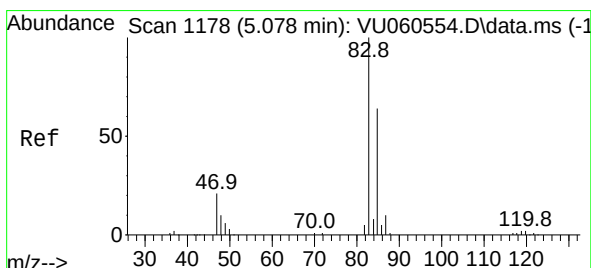
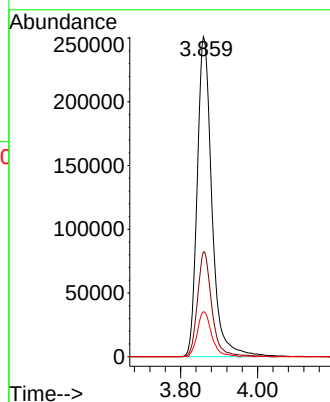
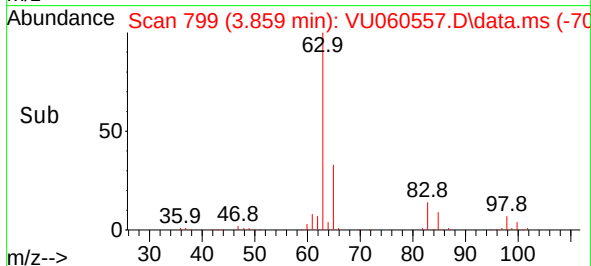


#19
1,1-Dichloroethane
Concen: 26.772 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

Instrument :
MSVOA_U
ClientSampleId :

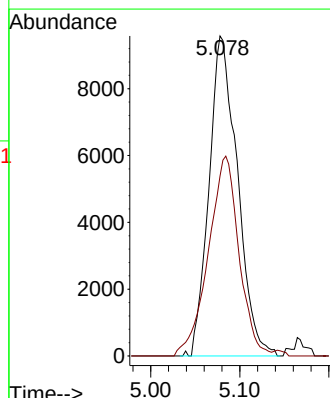
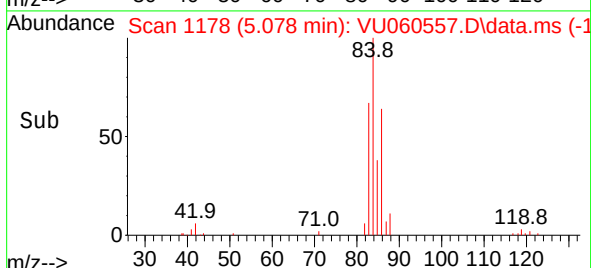
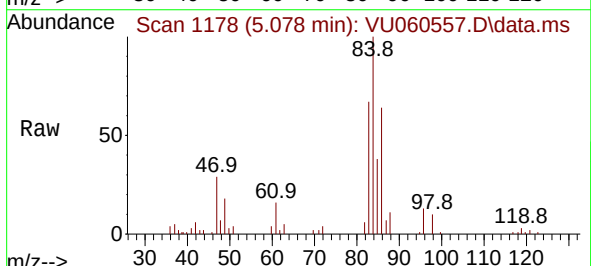


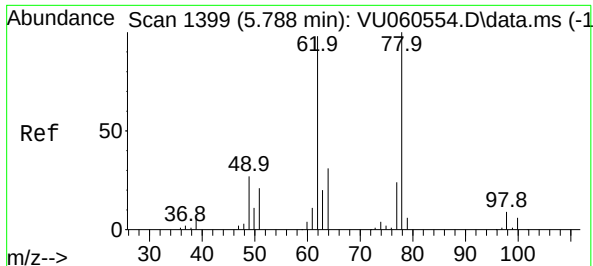
Tgt Ion: 63 Resp: 666793
Ion Ratio Lower Upper
63 100
65 32.8 20.5 38.1
83 14.0 9.2 17.2



#25
Chloroform
Concen: 0.805 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

Tgt Ion: 83 Resp: 21228
Ion Ratio Lower Upper
83 100
85 56.3 46.4 86.2

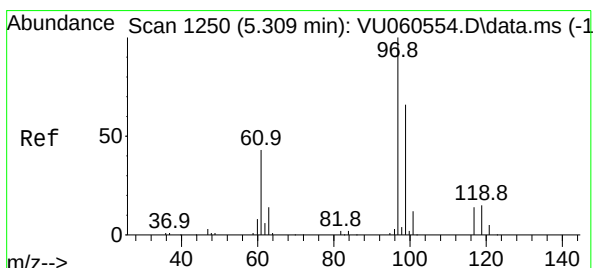
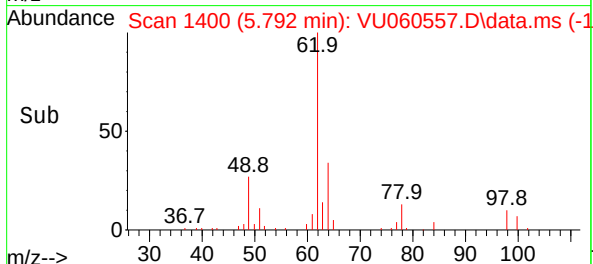
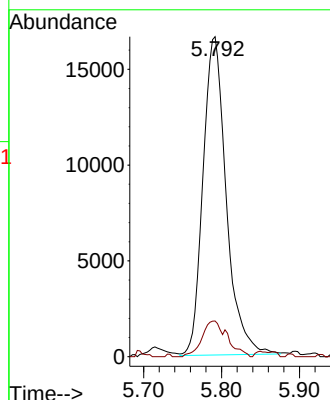
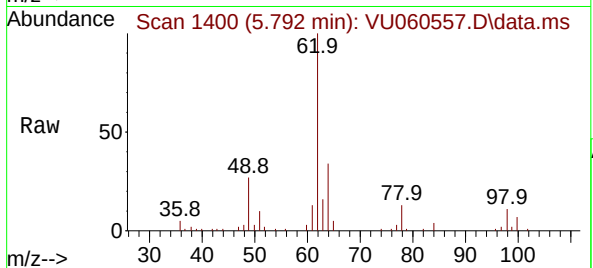




#27
1,2-Dichloroethane
Concen: 1.947 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

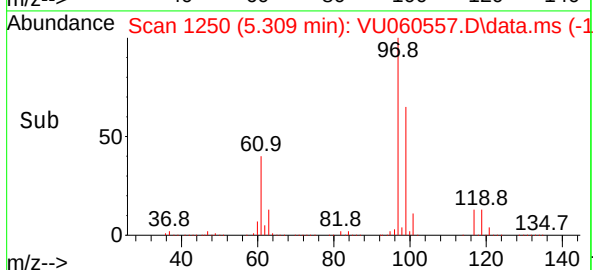
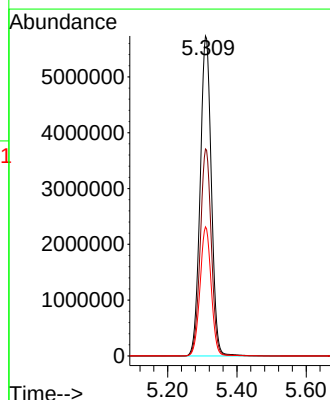
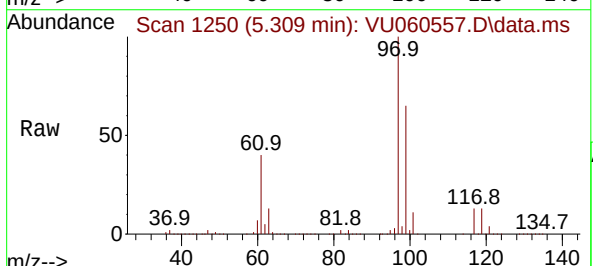
Instrument :
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ClientSampleId :

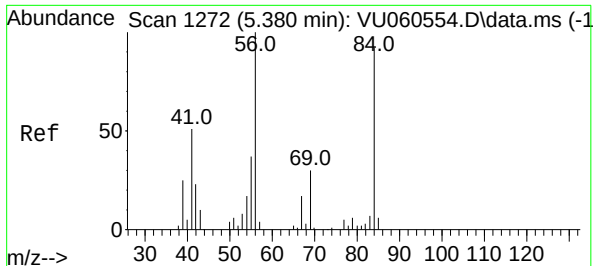
Tgt Ion: 62 Resp: 34451
Ion Ratio Lower Upper
62 100
98 11.2 7.0 10.4#



#29
1,1,1-Trichloroethane
Concen: 538.911 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

Tgt Ion: 97 Resp:12845755
Ion Ratio Lower Upper
97 100
99 64.6 49.7 74.5
61 40.4 35.4 53.2





#30

Cyclohexane

Concen: 0.080 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. -0.006 min

Lab File: VU060557.D

Acq: 28 Aug 2024 13:35

Instrument :

MSVOA_U

ClientSampleId :

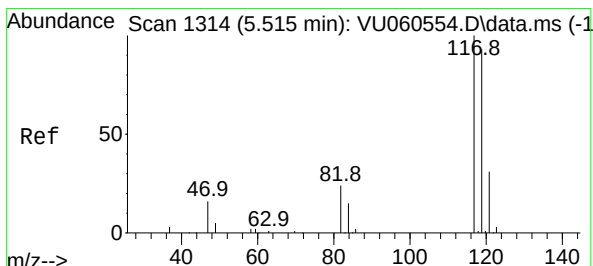
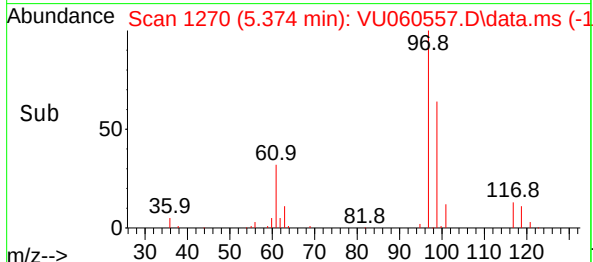
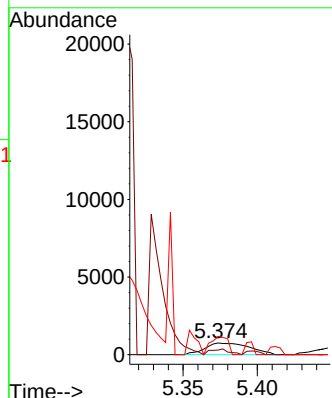
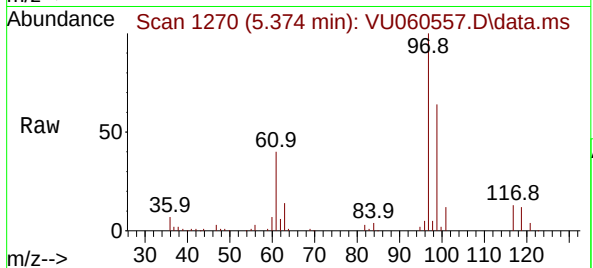
Tgt Ion: 56 Resp: 1569

Ion Ratio Lower Upper

56 100

69 0.0 24.2 36.2#

84 60.7 69.7 104.5#



#31

Carbon tetrachloride

Concen: 78.624 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.206 min

Lab File: VU060557.D

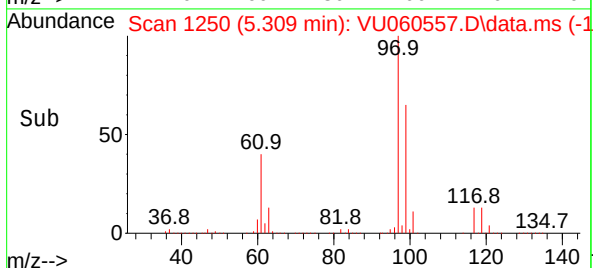
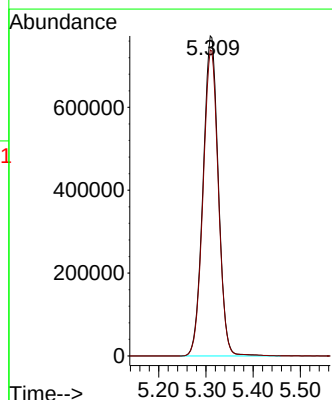
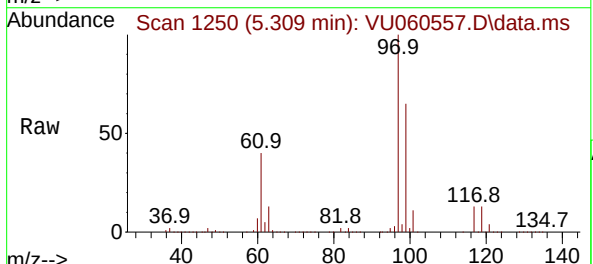
Acq: 28 Aug 2024 13:35

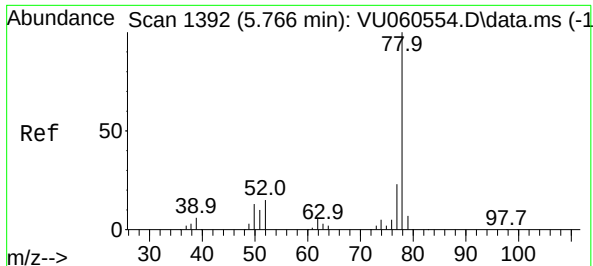
Tgt Ion: 117 Resp: 1732048

Ion Ratio Lower Upper

117 100

119 95.7 76.4 114.6





#33

Benzene

Concen: 0.195 ug/L

RT: 5.769 min Scan# 14

Delta R.T. 0.003 min

Lab File: VU060557.D

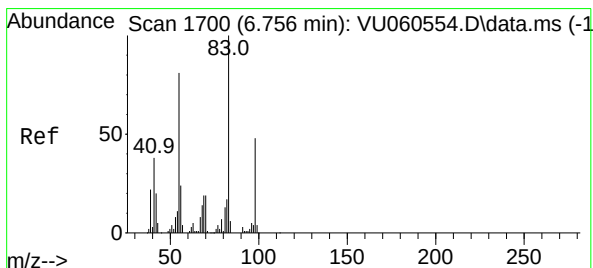
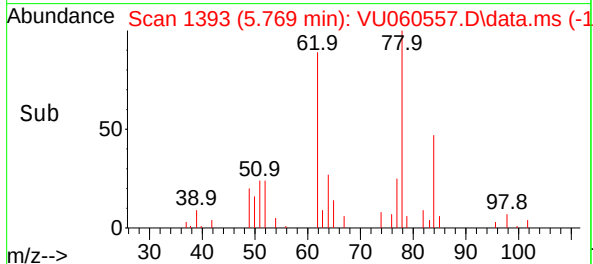
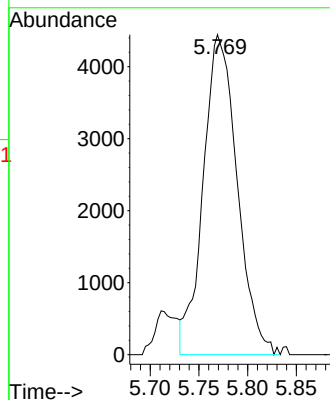
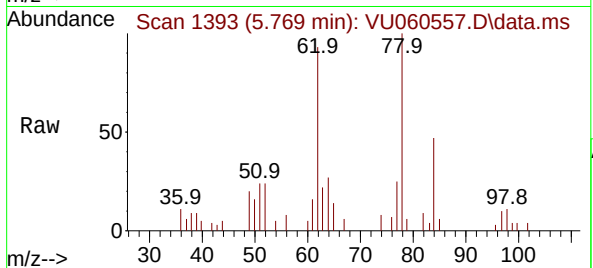
Acq: 28 Aug 2024 13:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 10779



#35

Methylcyclohexane

Concen: 35.941 ug/L

RT: 6.550 min Scan# 1636

Delta R.T. -0.206 min

Lab File: VU060557.D

Acq: 28 Aug 2024 13:35

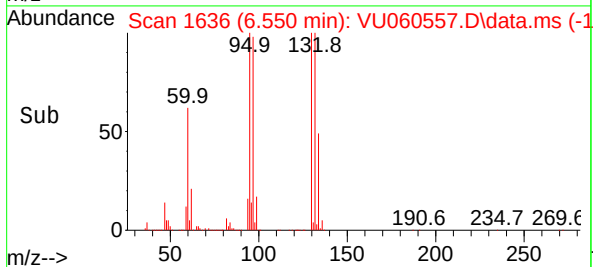
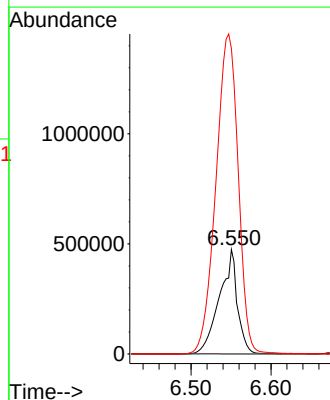
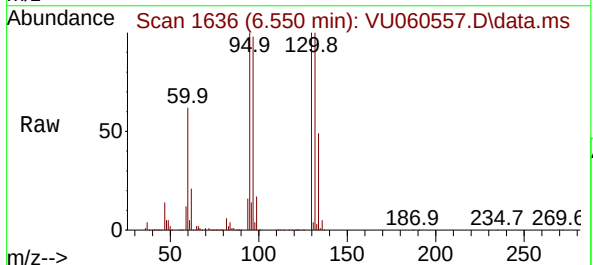
Tgt Ion: 83 Resp: 737839

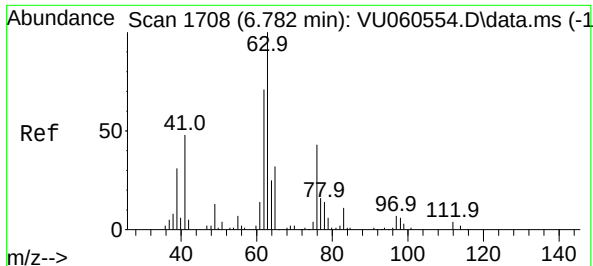
Ion Ratio Lower Upper

83 100

55 0.1 65.8 98.8#

98 381.4 37.8 56.8#

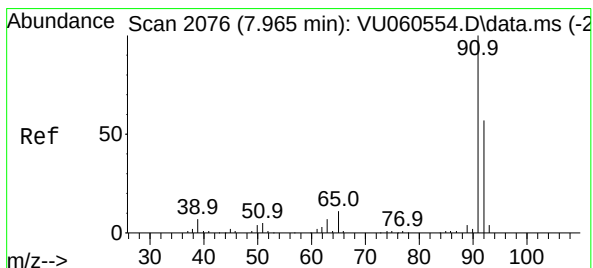
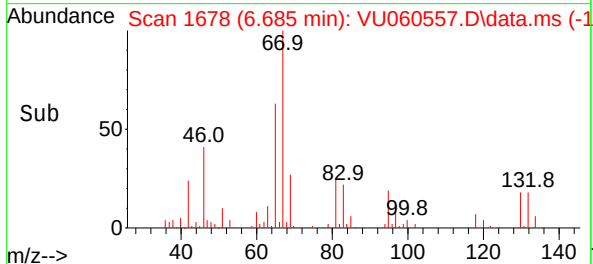
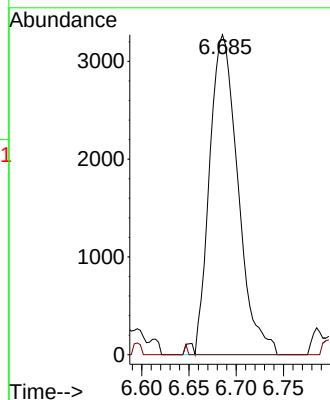
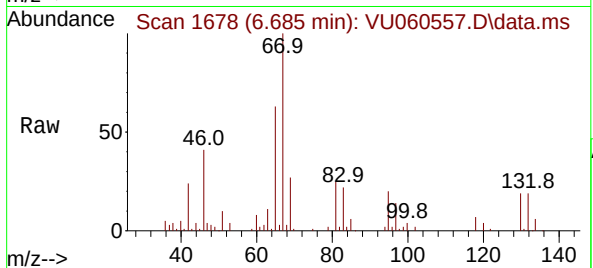




#37
1,2-Dichloropropane
Concen: 0.486 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

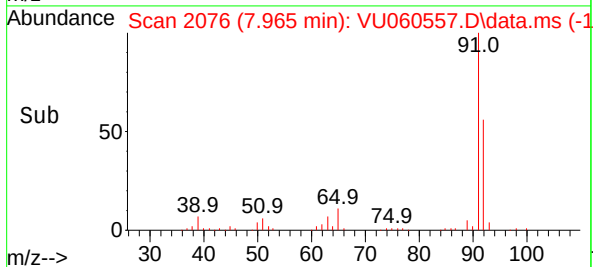
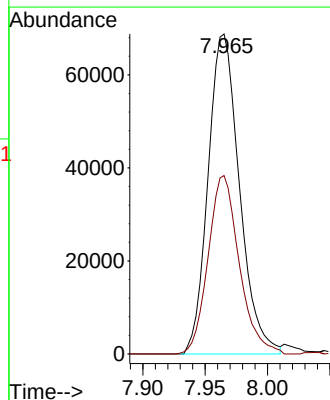
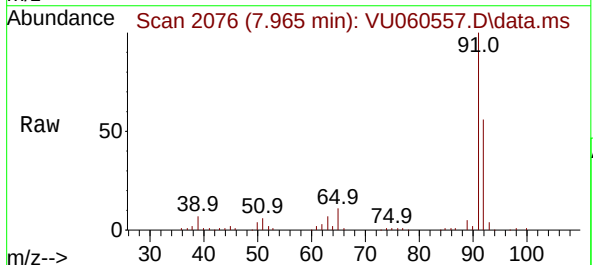
Instrument :
MSVOA_U
ClientSampleId :

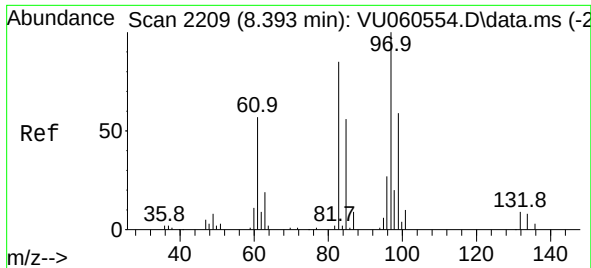
Tgt Ion: 63 Resp: 6880
Ion Ratio Lower Upper
63 100
112 0.9 2.3 3.5#



#42
Toluene
Concen: 2.067 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

Tgt Ion: 91 Resp: 120559
Ion Ratio Lower Upper
91 100
92 55.7 38.0 70.6





#45

1,1,2-Trichloroethane

Concen: 8.196 ug/L

RT: 8.393 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060557.D

Acq: 28 Aug 2024 13:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 83975

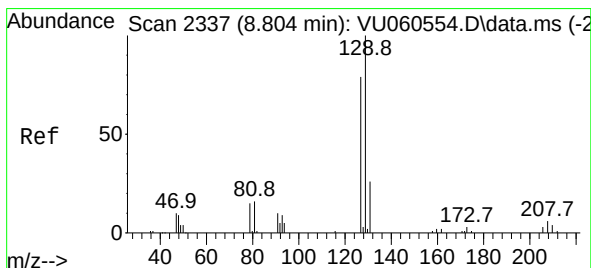
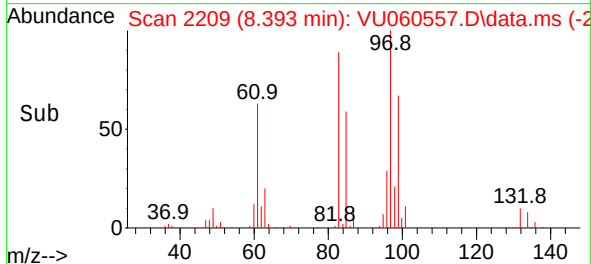
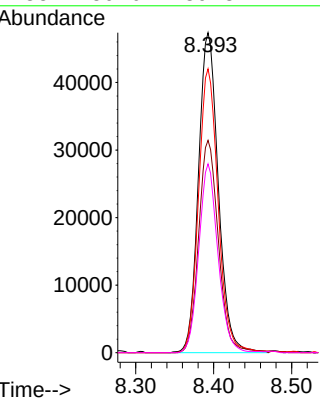
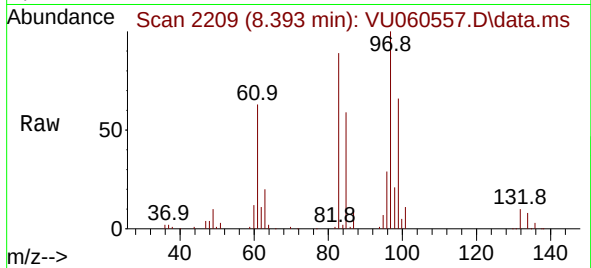
Ion Ratio Lower Upper

97 100

99 66.3 42.4 78.8

83 88.7 64.0 119.0

85 59.0 39.8 74.0



#49

Dibromochloromethane

Concen: 0.195 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.257 min

Lab File: VU060557.D

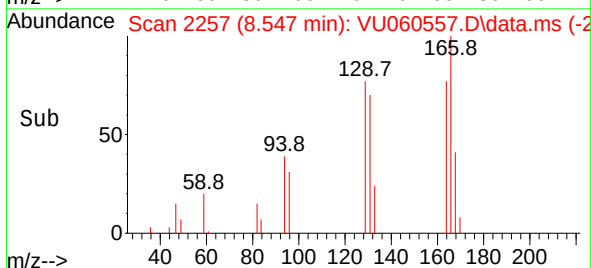
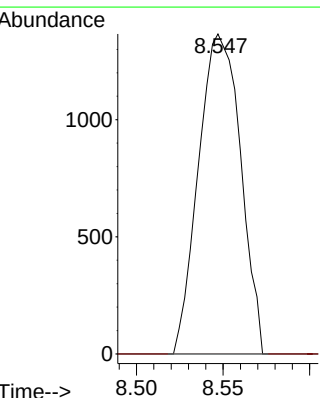
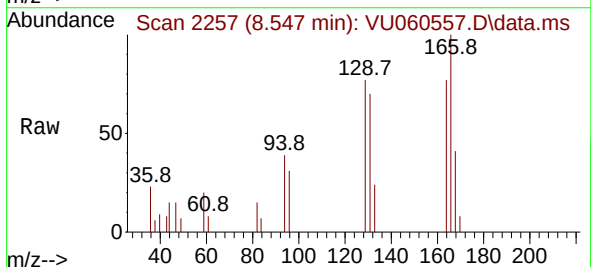
Acq: 28 Aug 2024 13:35

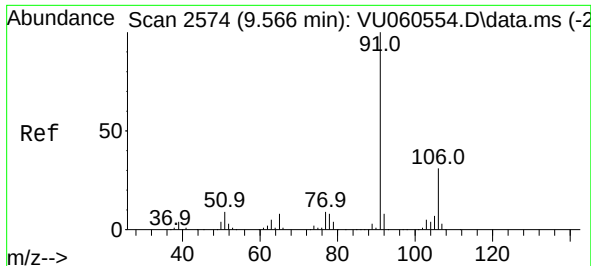
Tgt Ion:129 Resp: 2311

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#





#52

Ethylbenzene

Concen: 2.115 ug/L

RT: 9.563 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU060557.D

Acq: 28 Aug 2024 13:35

Instrument :

MSVOA_U

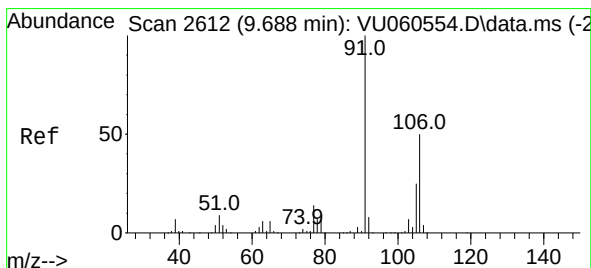
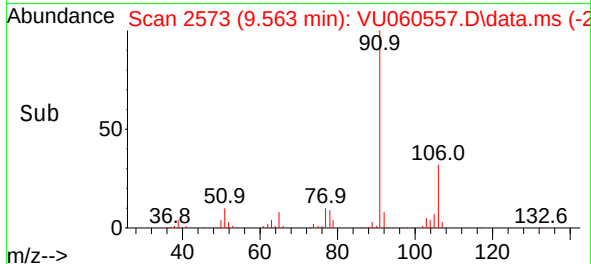
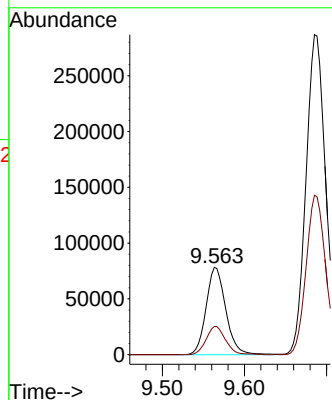
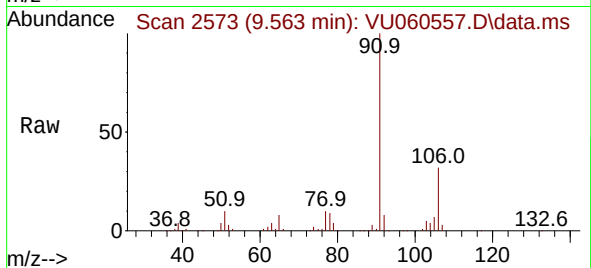
ClientSampleId :

Tgt Ion: 91 Resp: 130712

Ion Ratio Lower Upper

91 100

106 32.3 21.9 40.7



#53

m,p-Xylene

Concen: 10.641 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.003 min

Lab File: VU060557.D

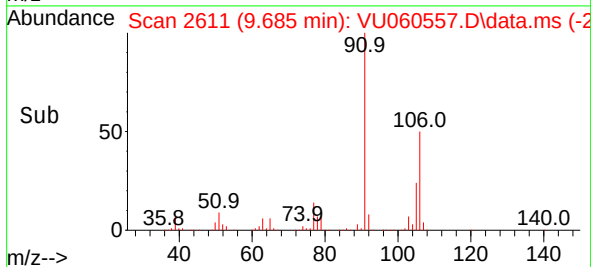
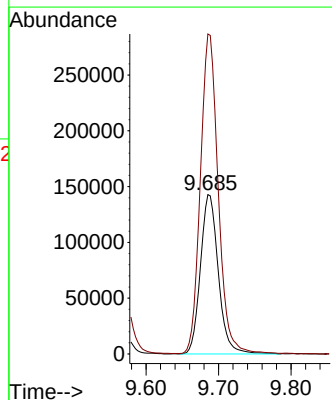
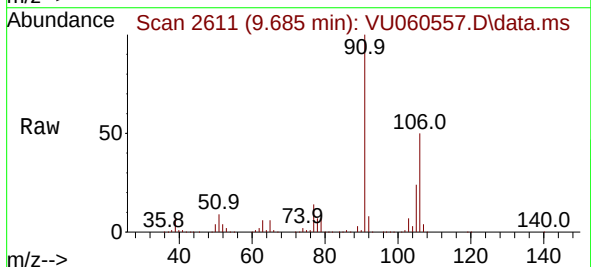
Acq: 28 Aug 2024 13:35

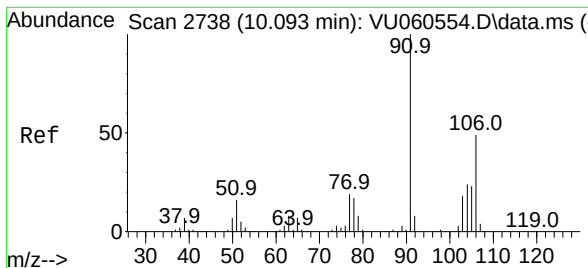
Tgt Ion:106 Resp: 244533

Ion Ratio Lower Upper

106 100

91 200.9 141.5 262.9





#54

o-Xylene

Concen: 11.020 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU060557.D

Acq: 28 Aug 2024 13:35

Instrument :

MSVOA_U

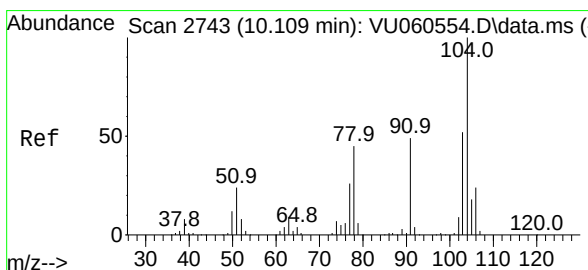
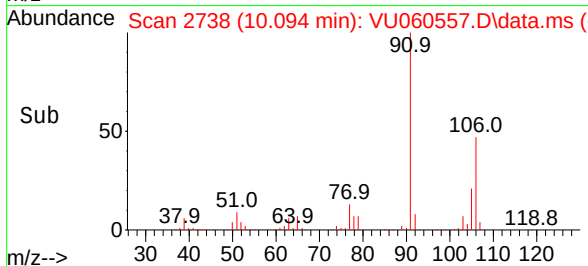
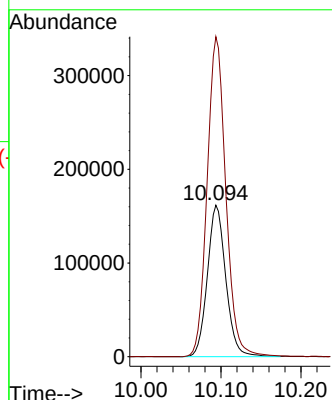
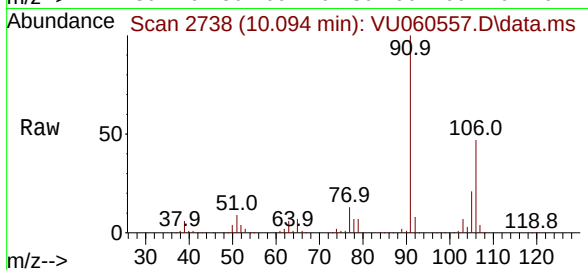
ClientSampleId :

Tgt Ion:106 Resp: 259270

Ion Ratio Lower Upper

106 100

91 211.3 151.1 280.7



#55

Styrene

Concen: 0.445 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.016 min

Lab File: VU060557.D

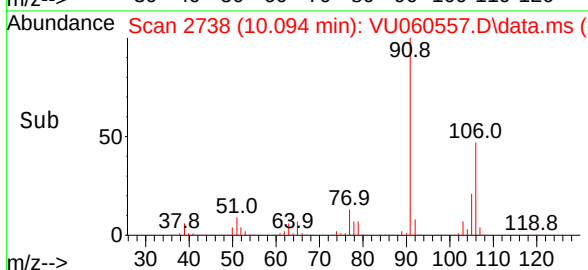
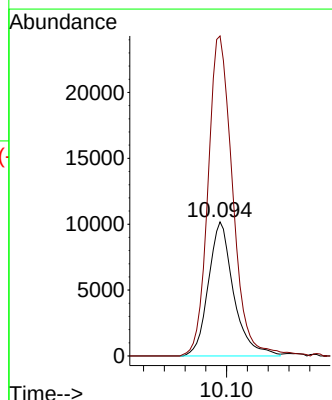
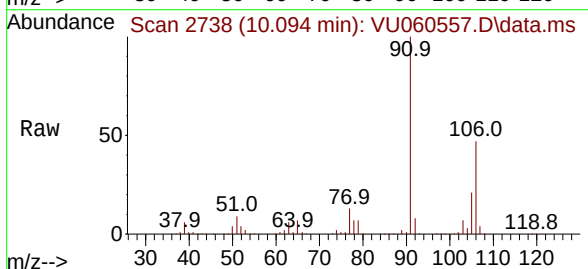
Acq: 28 Aug 2024 13:35

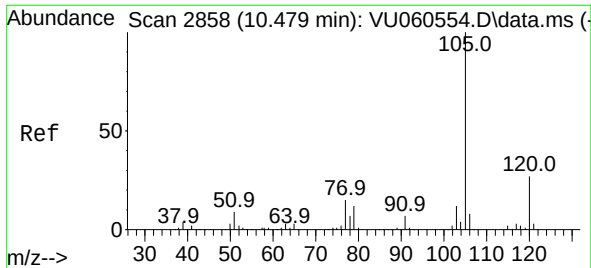
Tgt Ion:104 Resp: 17148

Ion Ratio Lower Upper

104 100

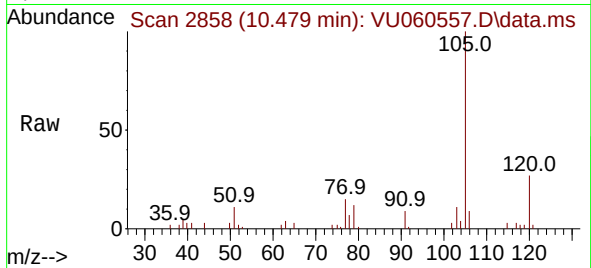
78 238.6 33.3 61.9#



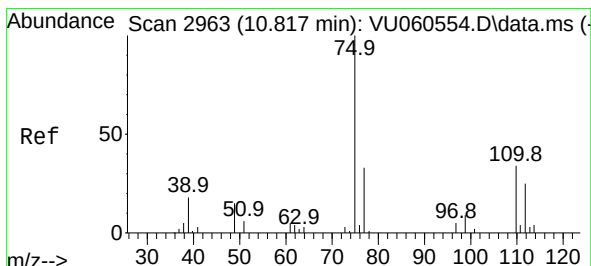
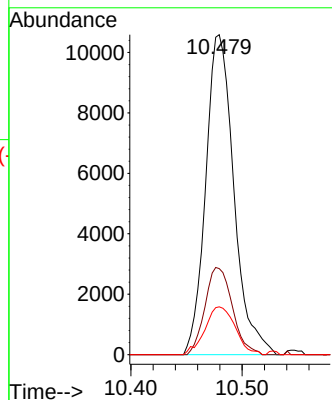
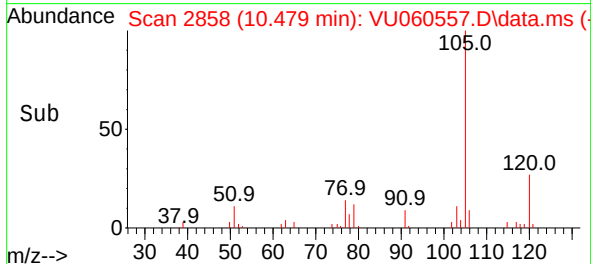


#60
Isopropylbenzene
Concen: 0.352 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

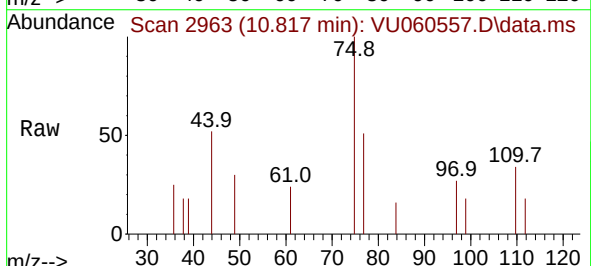
Instrument :
MSVOA_U
ClientSampleId :



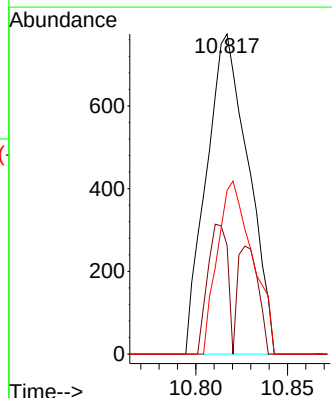
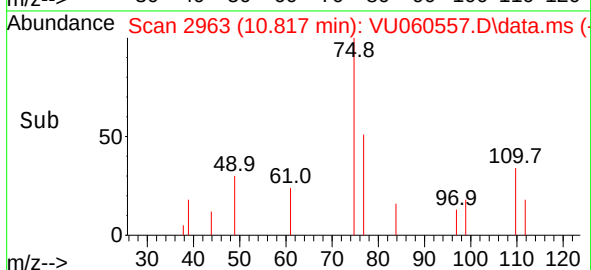
Tgt Ion:105 Resp: 18624
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.4
77 16.0 13.0 19.4

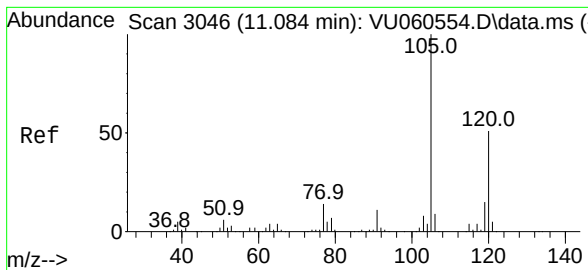


#61
1,2,3-Trichloropropane
Concen: 0.161 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35



Tgt Ion: 75 Resp: 1232
Ion Ratio Lower Upper
75 100
110 19.3 30.2 45.4#
77 0.0 25.4 38.2#

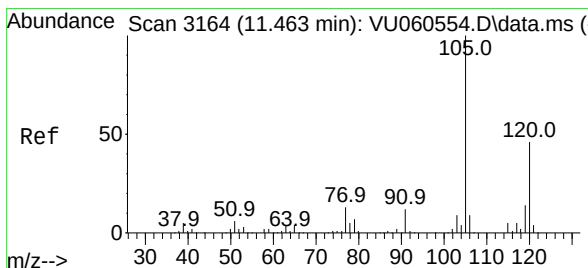
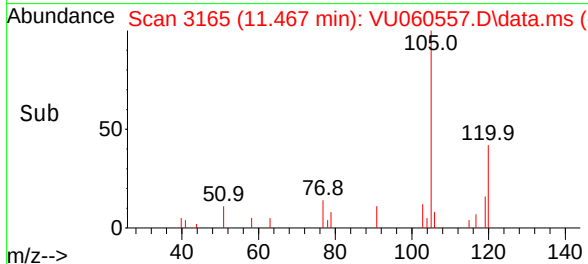
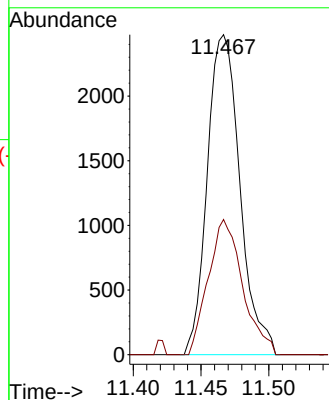
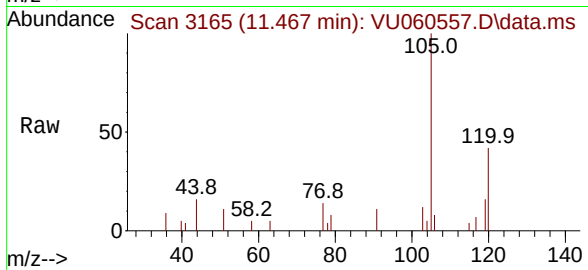




#62
1,3,5-Trimethylbenzene
Concen: 0.105 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.383 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 4149
Ion Ratio Lower Upper
105 100
120 44.5 37.4 56.0



#63
1,2,4-Trimethylbenzene
Concen: 0.103 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU060557.D
Acq: 28 Aug 2024 13:35

Tgt Ion:105 Resp: 4149
Ion Ratio Lower Upper
105 100
120 44.5 35.7 53.5

