

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048717.D
 Acq On : 28 May 2022 01:37
 Operator : SY/MD
 Sample : N3033-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-17

Quant Time: May 30 02:58:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

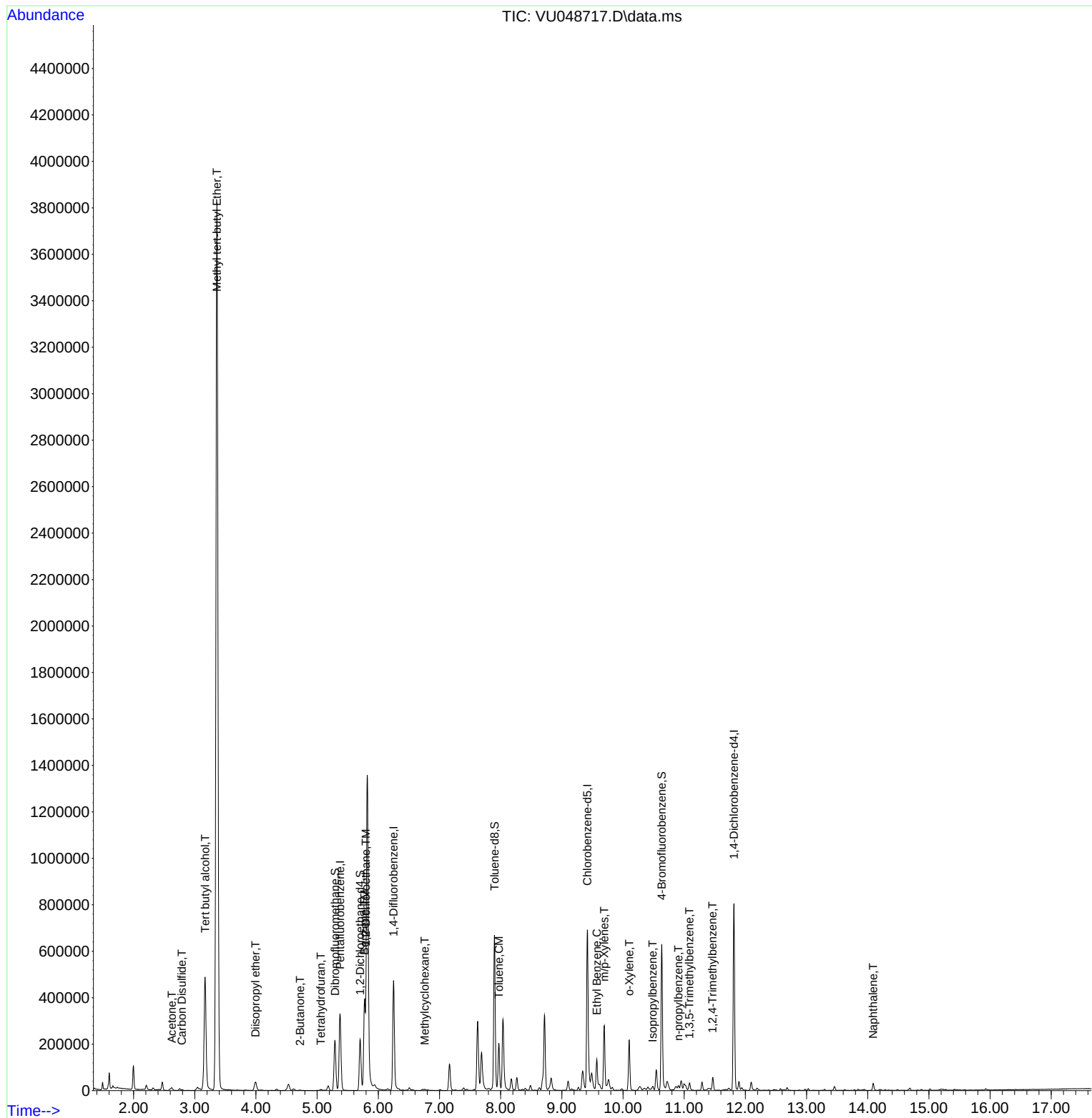
Internal Standards						
1) Pentafluorobenzene	5.375	168	219868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	383057	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	384788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	214503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	167282	50.661	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.320%
35) Dibromofluoromethane	5.292	113	141217	51.675	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.340%
50) Toluene-d8	7.899	98	450719	46.010	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.020%
62) 4-Bromofluorobenzene	10.632	95	210568	56.836	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.680%
Target Compounds						Qvalue
11) Tert butyl alcohol	3.170	59	604160	721.688	ug/l #	42
16) Acetone	2.626	43	15218	9.043	ug/l	95
17) Carbon Disulfide	2.790	76	3479	0.533	ug/l #	92
19) Methyl tert-butyl Ether	3.363	73	4333314	510.341	ug/l	99
22) Diisopropyl ether	3.993	45	36091	4.514	ug/l #	78
25) 2-Butanone	4.723	43	3515	1.454	ug/l	94
29) Tetrahydrofuran	5.060	42	3782	2.484	ug/l	96
39) Methylcyclohexane	6.761	83	1564	0.374	ug/l #	85
40) Benzene	5.774	78	368509	31.295	ug/l	100
42) 1,2-Dichloroethane	5.797	62	21778	4.725	ug/l	96
52) Toluene	7.970	92	84373	11.979	ug/l	97
67) Ethyl Benzene	9.571	91	92208	6.718	ug/l	99
68) m/p-Xylenes	9.693	106	82922	15.446	ug/l	98
69) o-Xylene	10.102	106	58643	11.119	ug/l	100
73) Isopropylbenzene	10.484	105	5043	0.364	ug/l	100
78) n-propylbenzene	10.906	91	7826	0.474	ug/l	95
80) 1,3,5-Trimethylbenzene	11.086	105	15012	1.247	ug/l	99
84) 1,2,4-Trimethylbenzene	11.465	105	31276	3.539	ug/l	97
95) Naphthalene	14.089	128	26011	3.995	ug/l	98

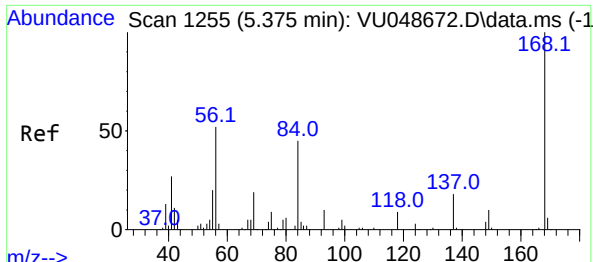
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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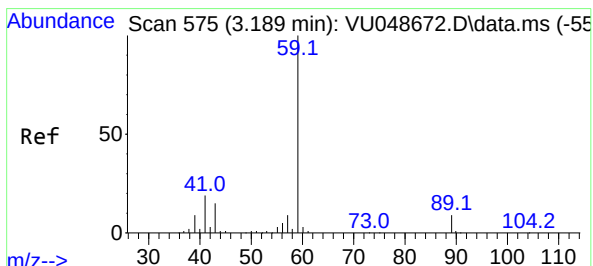
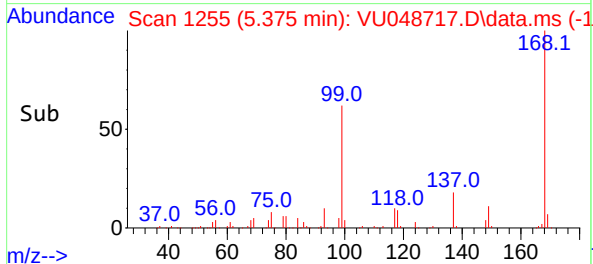
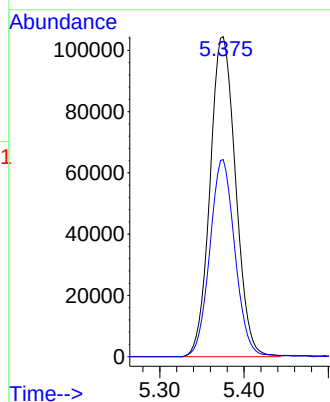
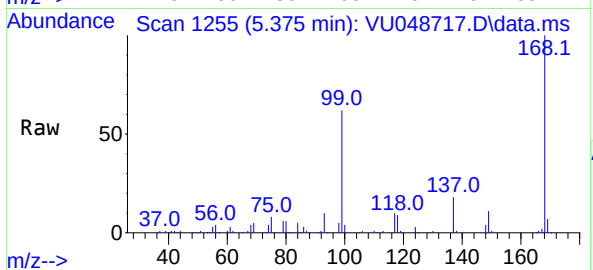




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

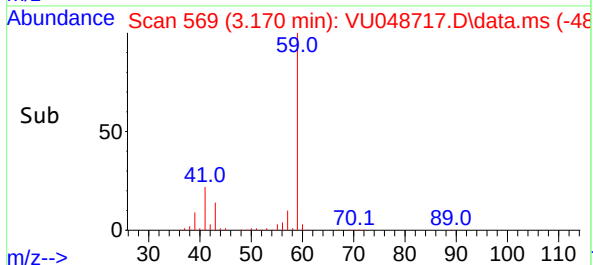
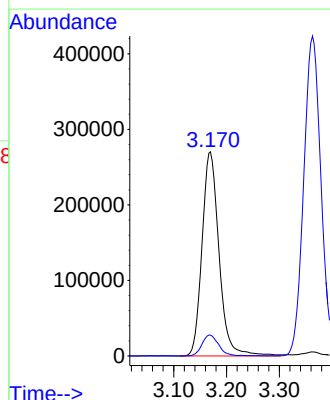
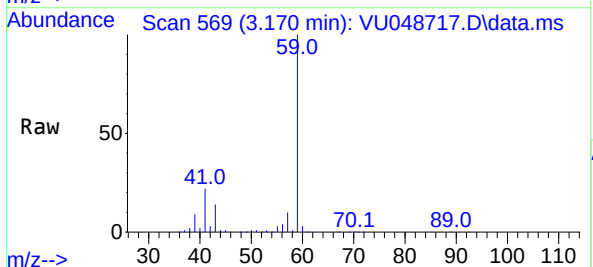
Instrument :
MSVOA_U
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TW-17

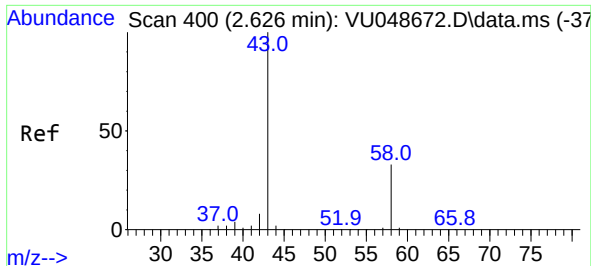
Tgt Ion:168 Resp: 219868
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#11
Tert butyl alcohol
Concen: 721.688 ug/l
RT: 3.170 min Scan# 569
Delta R.T. -0.019 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 59 Resp: 604160
Ion Ratio Lower Upper
59 100
57 10.0 39.7 59.5#





#16

Acetone

Concen: 9.043 ug/l

RT: 2.626 min Scan# 40

Delta R.T. 0.000 min

Lab File: VU048717.D

Acq: 28 May 2022 01:37

Instrument :

MSVOA_U

ClientSampleId :

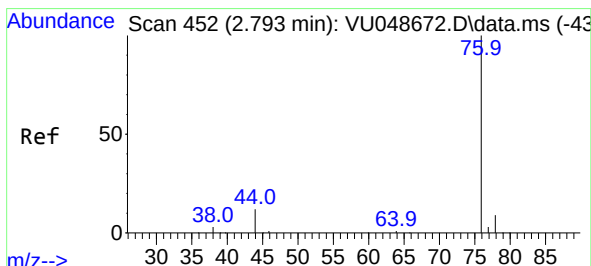
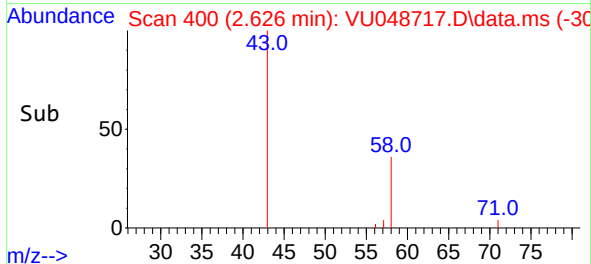
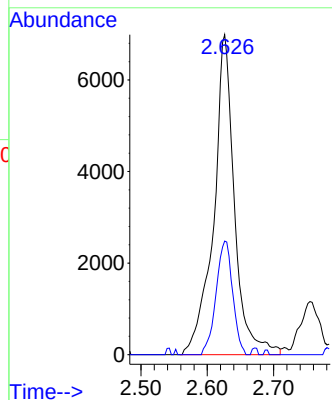
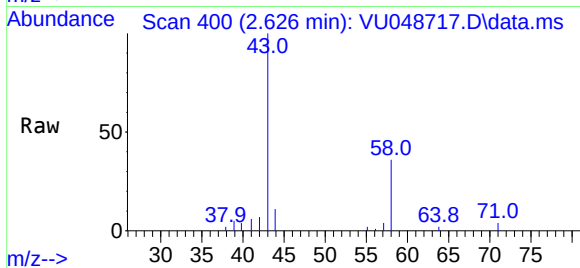
TW-17

Tgt Ion: 43 Resp: 15218

Ion Ratio Lower Upper

43 100

58 35.5 26.3 39.5



#17

Carbon Disulfide

Concen: 0.533 ug/l

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048717.D

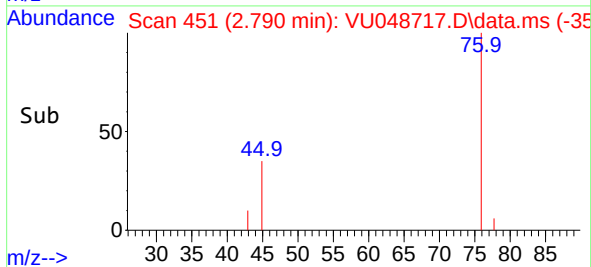
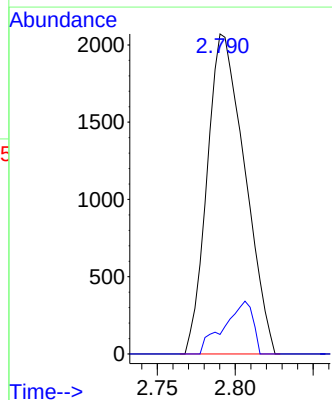
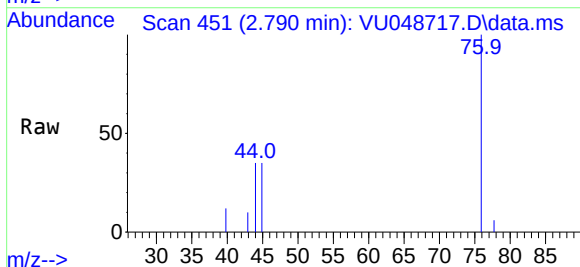
Acq: 28 May 2022 01:37

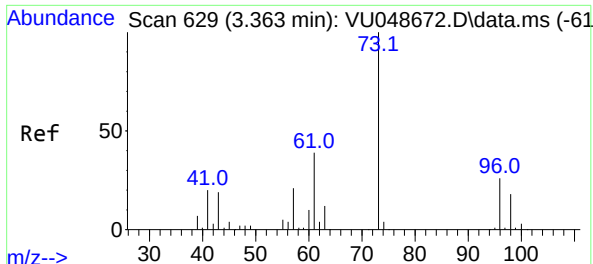
Tgt Ion: 76 Resp: 3479

Ion Ratio Lower Upper

76 100

78 6.1 7.3 10.9#

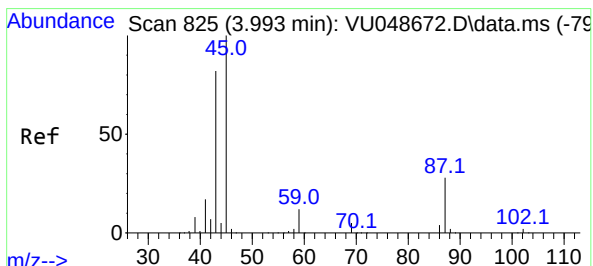
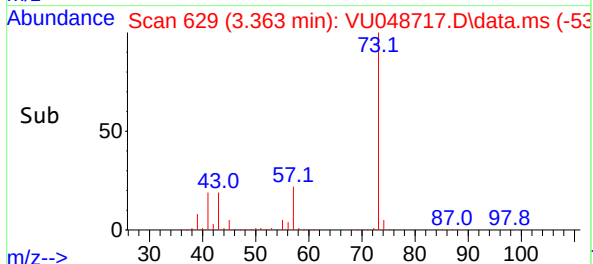
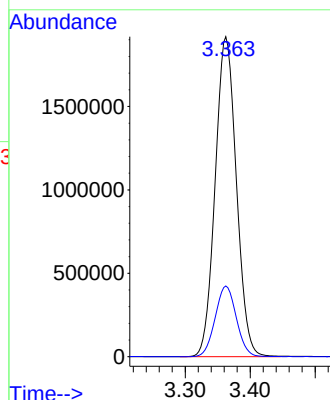
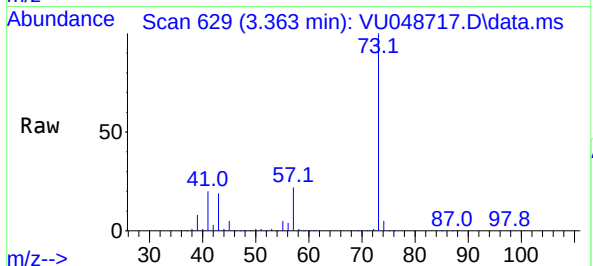




#19
Methyl tert-butyl Ether
Concen: 510.341 ug/l
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

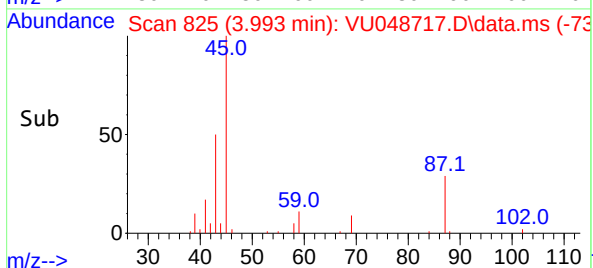
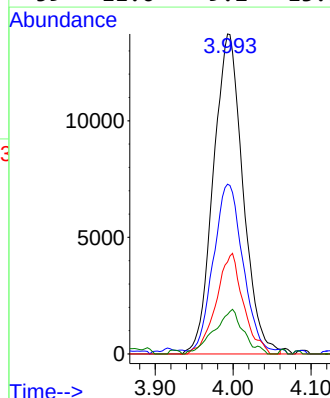
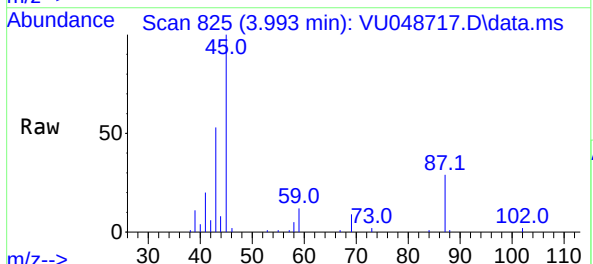
Instrument :
MSVOA_U
ClientSampleId :
TW-17

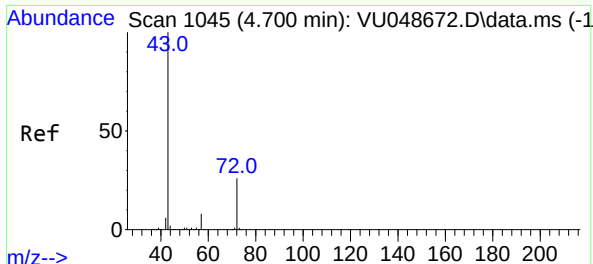
Tgt Ion: 73 Resp: 4333314
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7



#22
Diisopropyl ether
Concen: 4.514 ug/l
RT: 3.993 min Scan# 825
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 45 Resp: 36091
Ion Ratio Lower Upper
45 100
43 51.9 65.2 97.8#
87 28.7 22.7 34.1
59 11.6 9.2 13.8

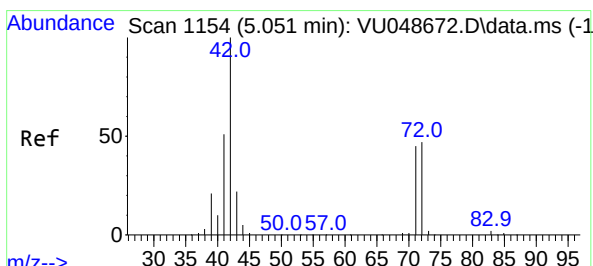
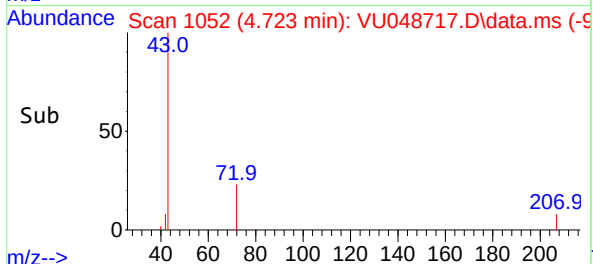
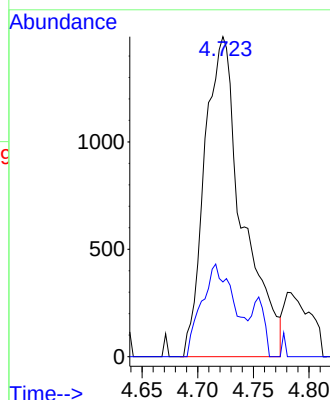
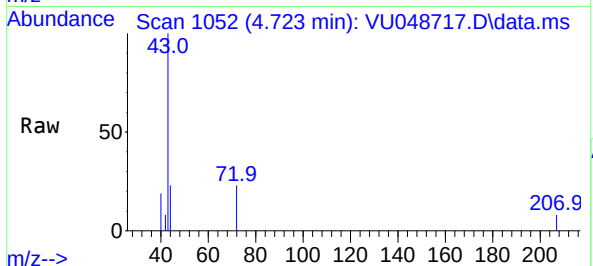




#25
2-Butanone
Concen: 1.454 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.023 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

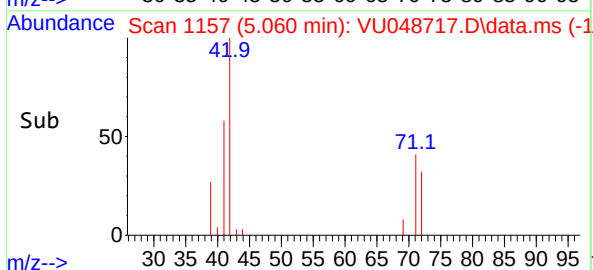
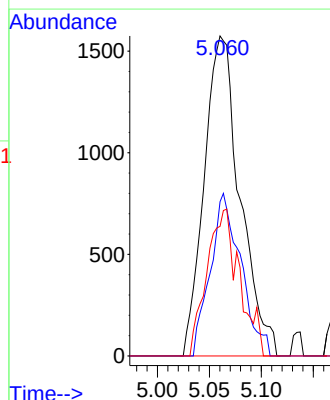
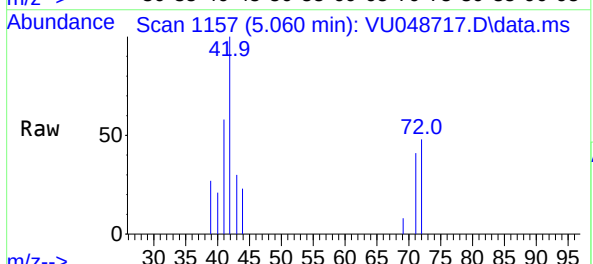
Instrument :
MSVOA_U
ClientSampleId :
TW-17

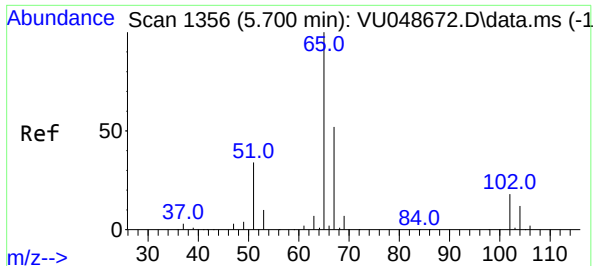
Tgt Ion: 43 Resp: 3515
Ion Ratio Lower Upper
43 100
72 23.4 21.1 31.7



#29
Tetrahydrofuran
Concen: 2.484 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.010 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 42 Resp: 3782
Ion Ratio Lower Upper
42 100
72 43.3 37.6 56.4
71 41.6 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 50.661 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048717.D

Acq: 28 May 2022 01:37

Instrument :

MSVOA_U

ClientSampleId :

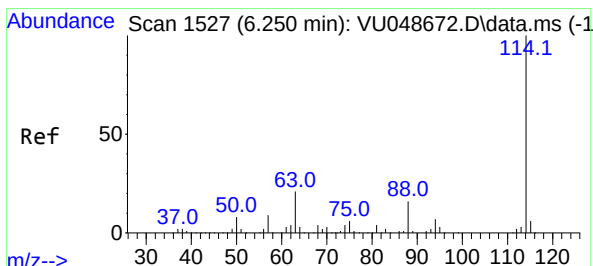
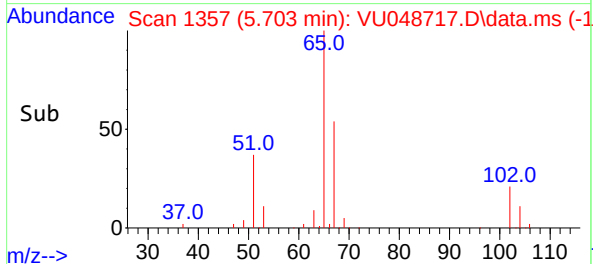
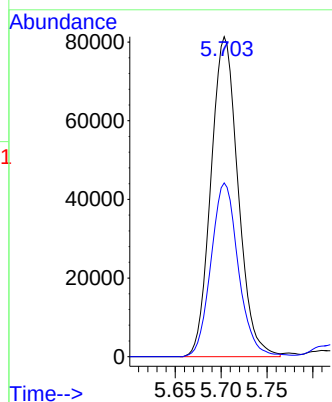
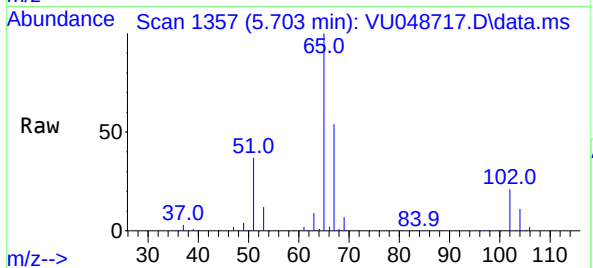
TW-17

Tgt Ion: 65 Resp: 167282

Ion Ratio Lower Upper

65 100

67 54.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048717.D

Acq: 28 May 2022 01:37

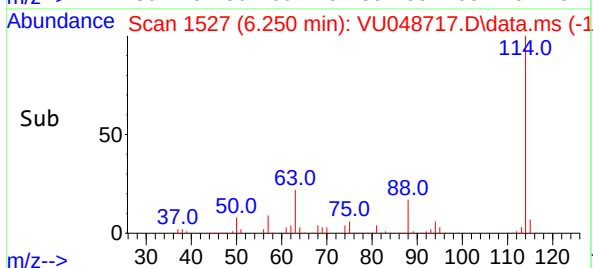
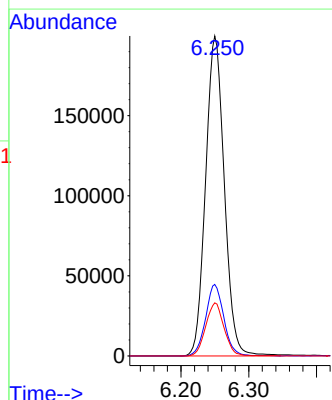
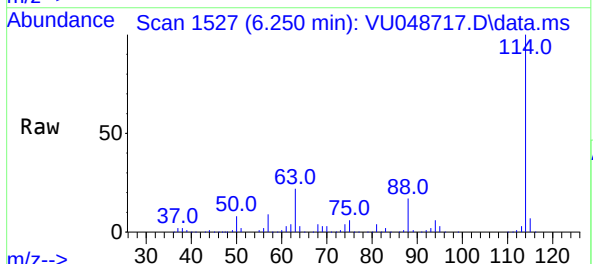
Tgt Ion: 114 Resp: 383057

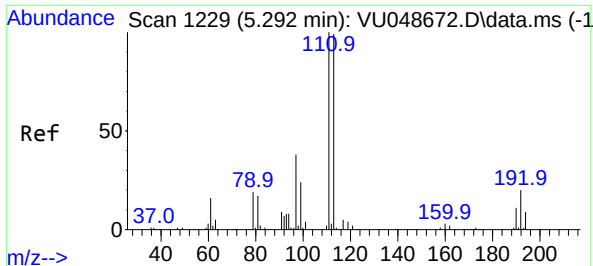
Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.6

88 16.6 0.0 32.2

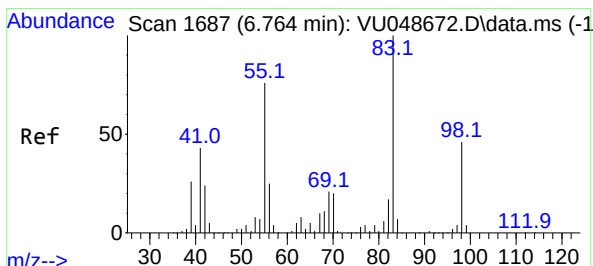
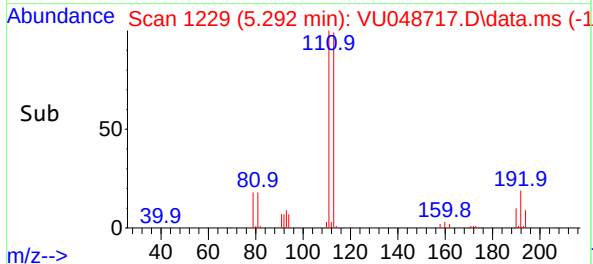
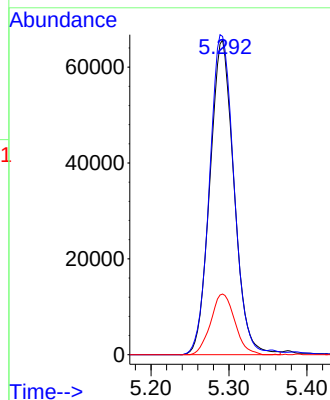
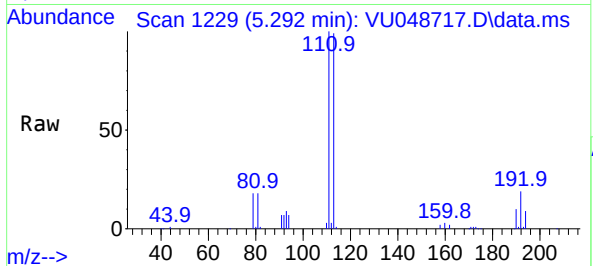




#35
Dibromofluoromethane
Concen: 51.675 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

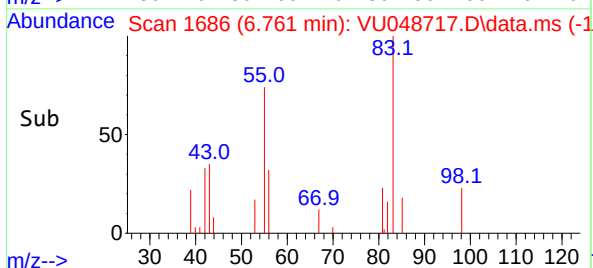
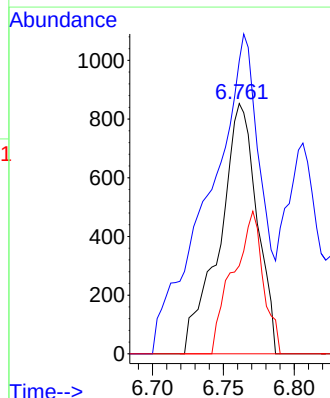
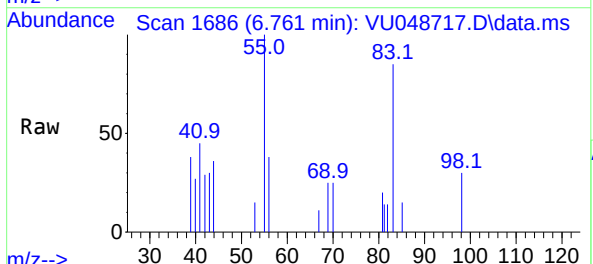
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TW-17

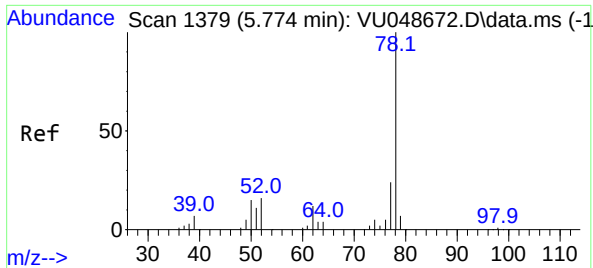
Tgt Ion:113 Resp: 141217
Ion Ratio Lower Upper
113 100
111 102.3 80.7 121.1
192 19.3 15.9 23.9



#39
Methylcyclohexane
Concen: 0.374 ug/l
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 83 Resp: 1564
Ion Ratio Lower Upper
83 100
55 88.0 61.0 91.6
98 35.2 36.8 55.2#

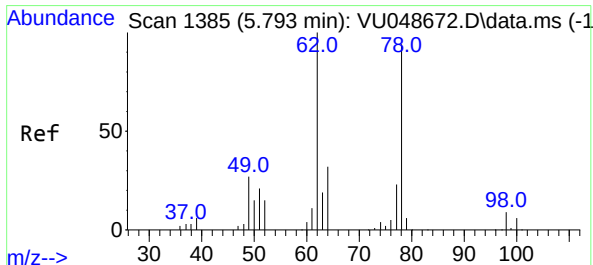
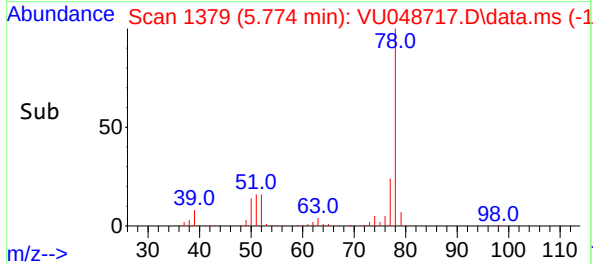
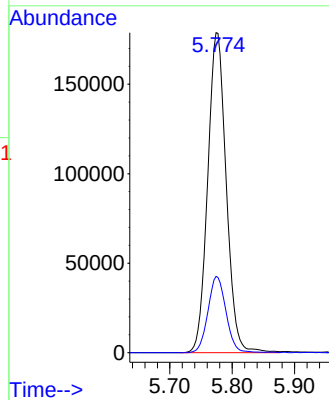
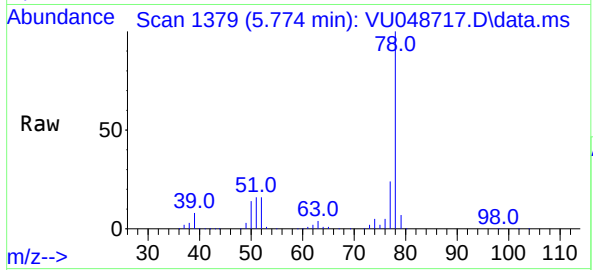




#40
Benzene
Concen: 31.295 ug/l
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

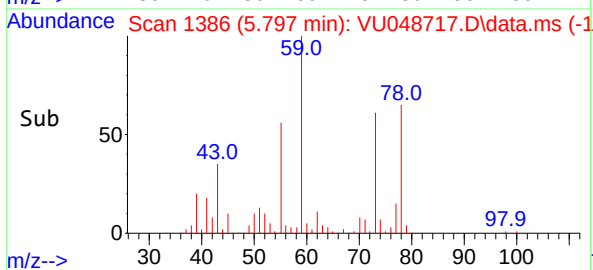
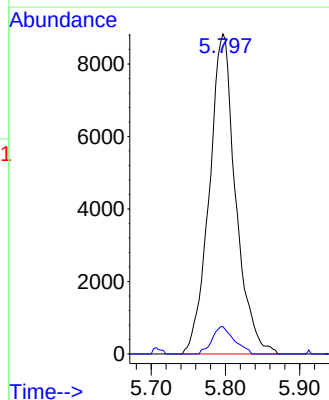
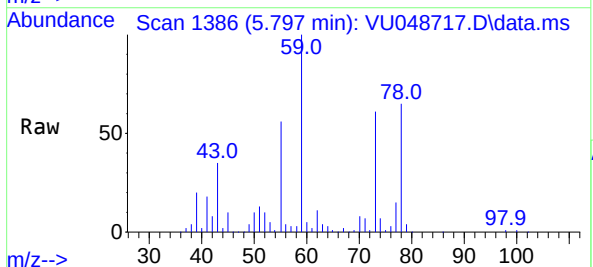
Instrument :
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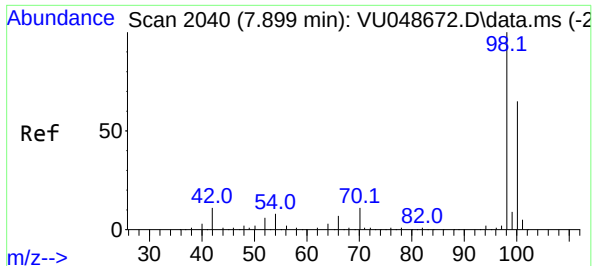
Tgt Ion: 78 Resp: 368509
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6



#42
1,2-Dichloroethane
Concen: 4.725 ug/l
RT: 5.797 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 62 Resp: 21778
Ion Ratio Lower Upper
62 100
98 7.1 0.0 17.0

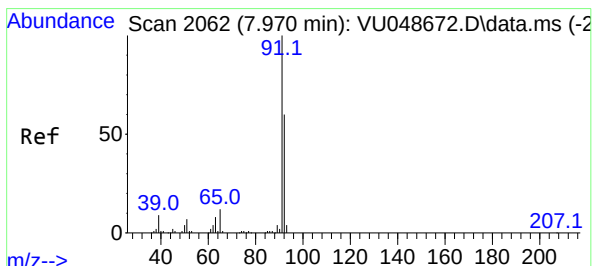
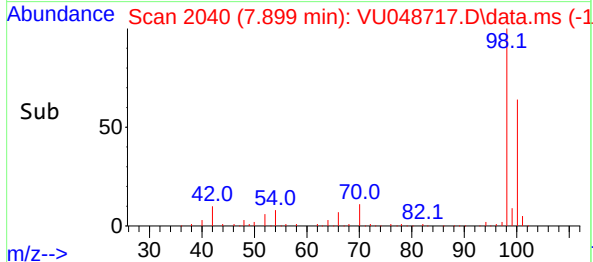
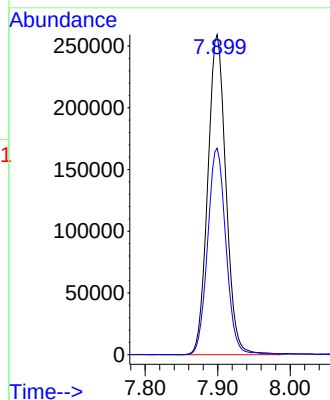
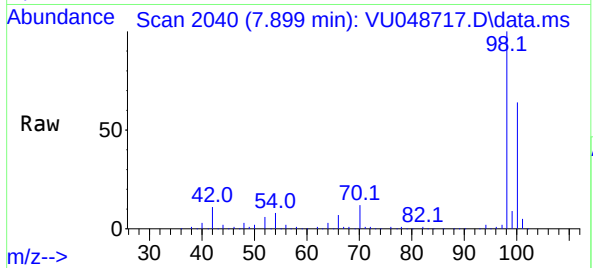




#50
Toluene-d8
Concen: 46.010 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

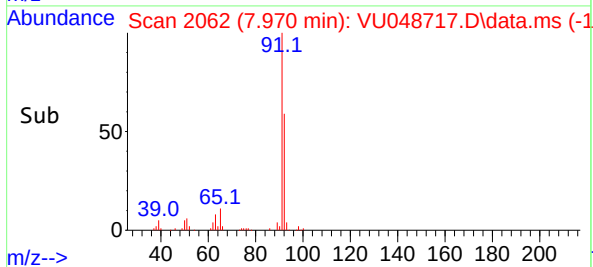
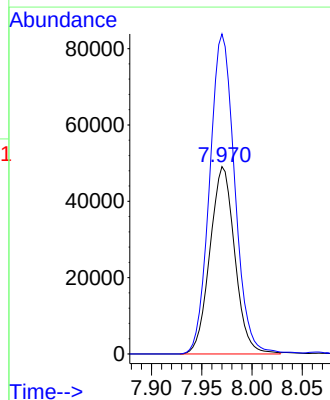
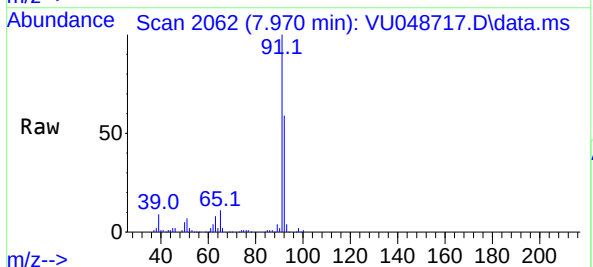
Instrument :
MSVOA_U
ClientSampleId :
TW-17

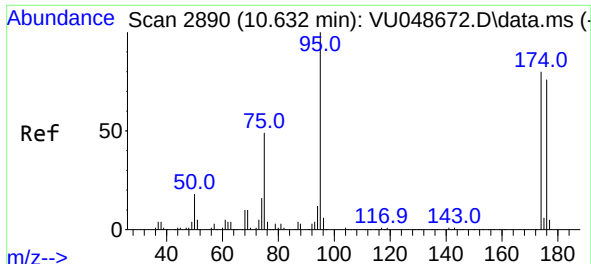
Tgt Ion: 98 Resp: 450719
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#52
Toluene
Concen: 11.979 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 92 Resp: 84373
Ion Ratio Lower Upper
92 100
91 173.0 135.0 202.4

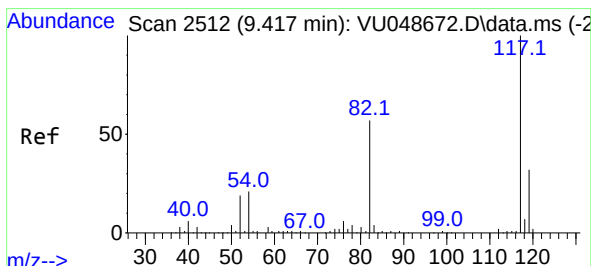
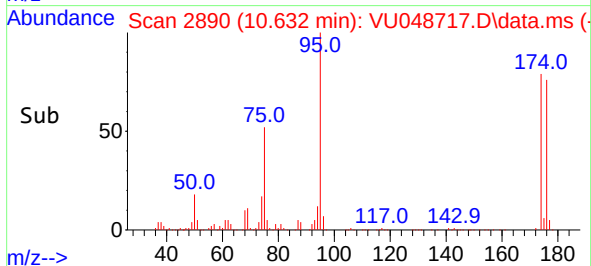
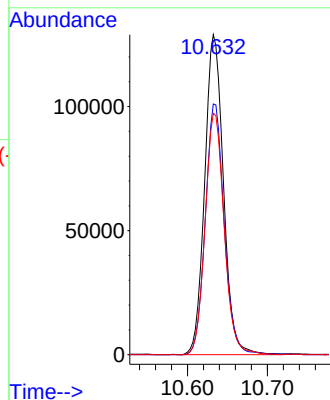
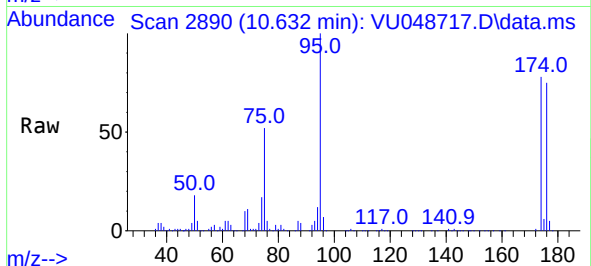




#62
4-Bromofluorobenzene
Concen: 56.836 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

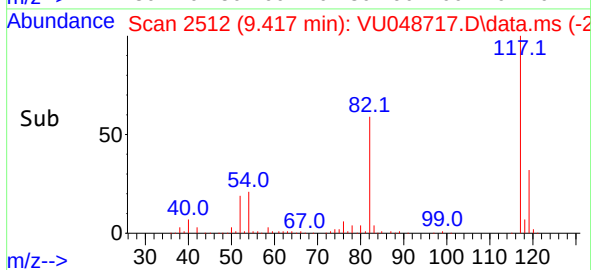
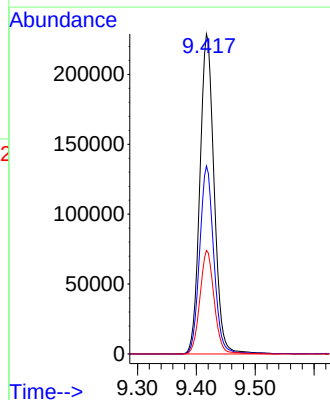
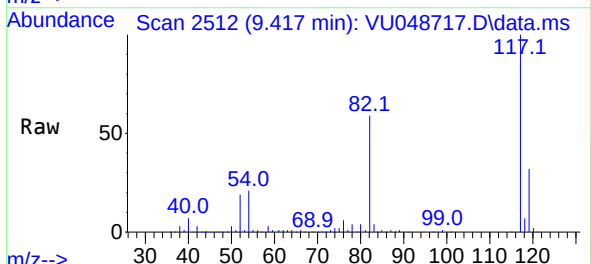
Instrument :
MSVOA_U
ClientSampleId :
TW-17

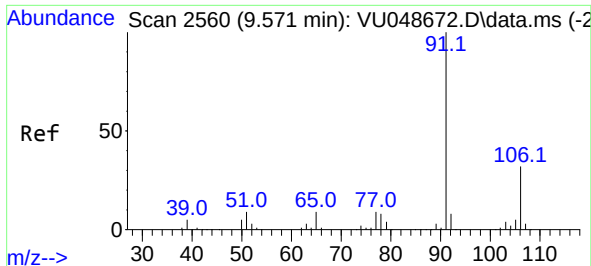
Tgt Ion: 95 Resp: 210568
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.4
176 76.7 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 117 Resp: 384788
Ion Ratio Lower Upper
117 100
82 58.8 45.3 67.9
119 32.4 25.4 38.2

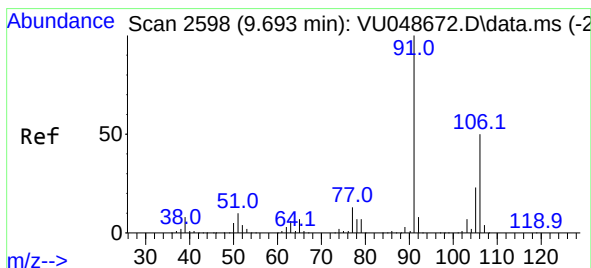
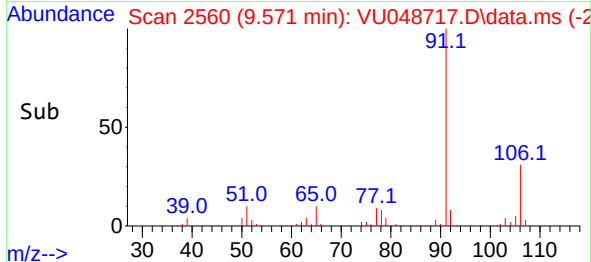
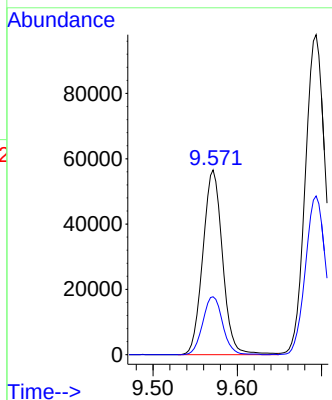
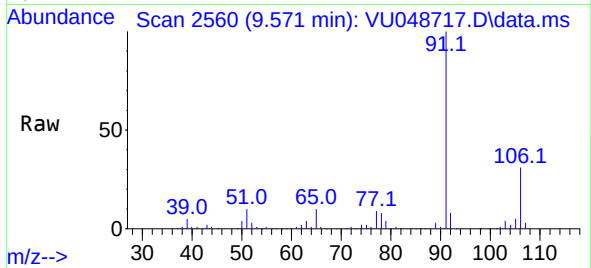




#67
Ethyl Benzene
Concen: 6.718 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

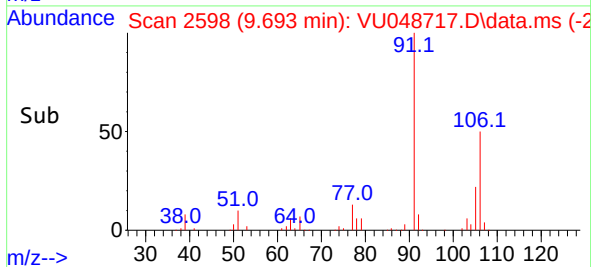
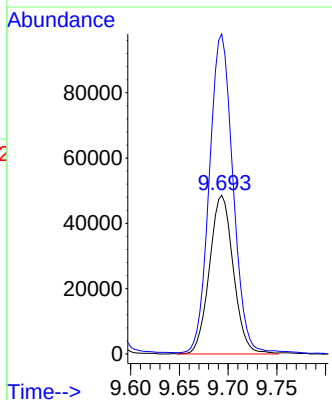
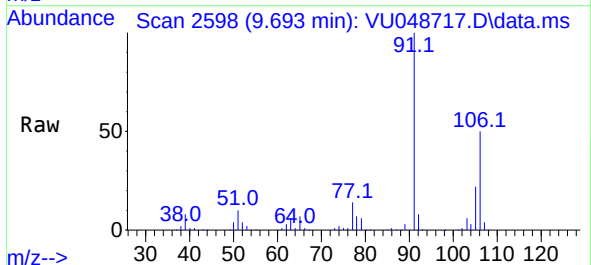
Instrument :
MSVOA_U
ClientSampleId :
TW-17

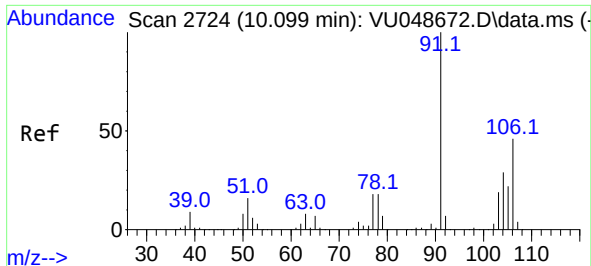
Tgt Ion: 91 Resp: 92208
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2



#68
m/p-Xylenes
Concen: 15.446 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 106 Resp: 82922
Ion Ratio Lower Upper
106 100
91 200.4 162.4 243.6

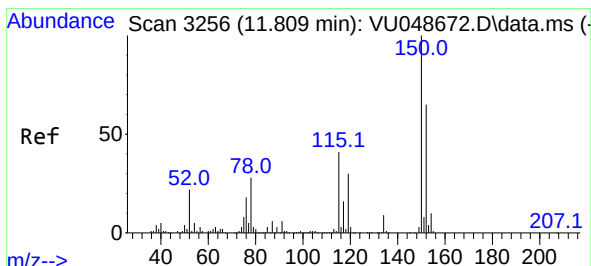
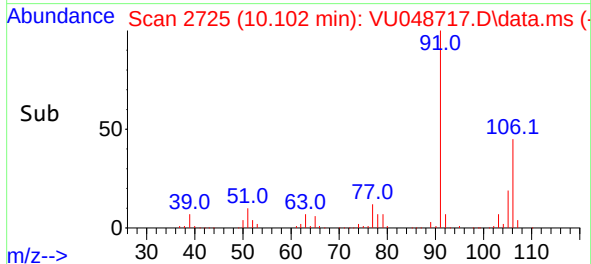
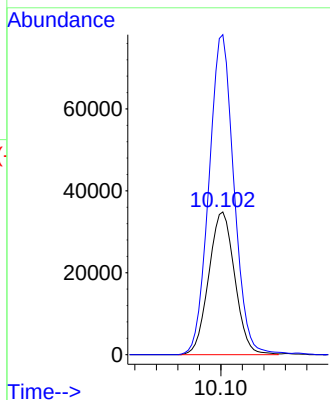
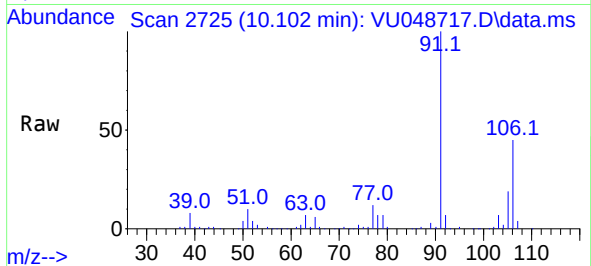




#69
o-Xylene
Concen: 11.119 ug/l
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

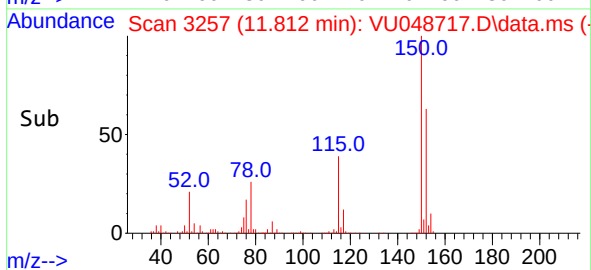
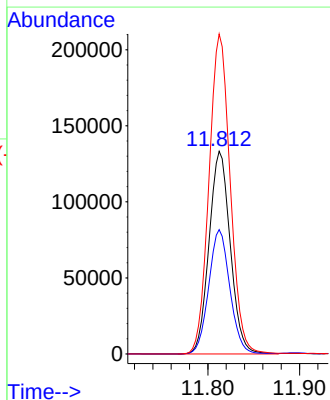
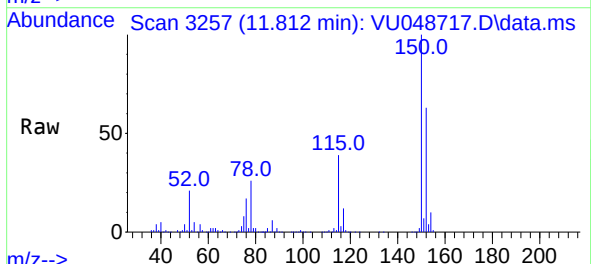
Instrument :
MSVOA_U
ClientSampleId :
TW-17

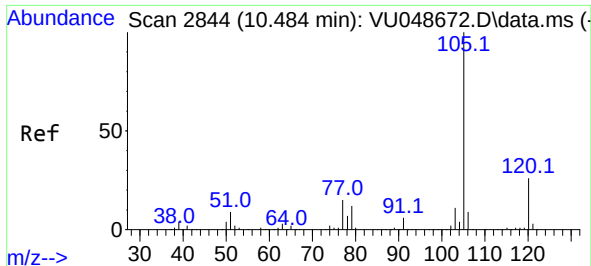
Tgt Ion:106 Resp: 58643
Ion Ratio Lower Upper
106 100
91 215.5 107.7 323.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion:152 Resp: 214503
Ion Ratio Lower Upper
152 100
115 61.1 41.8 125.4
150 157.6 0.0 341.0

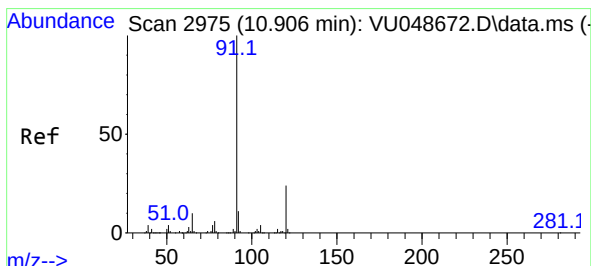
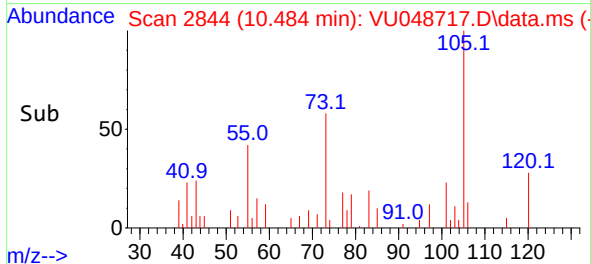
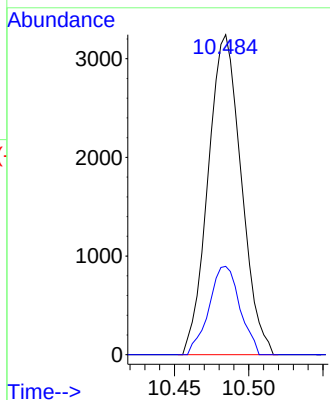
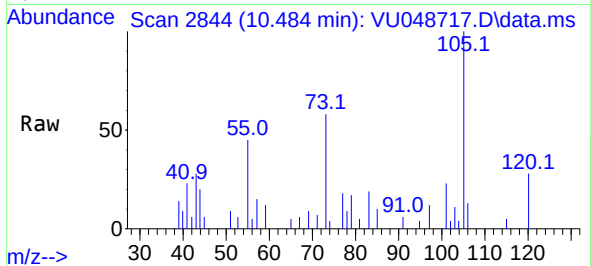




#73
Isopropylbenzene
Concen: 0.364 ug/l
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

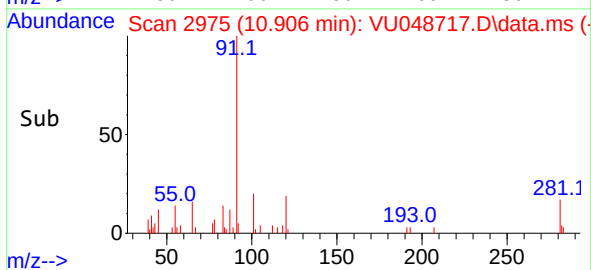
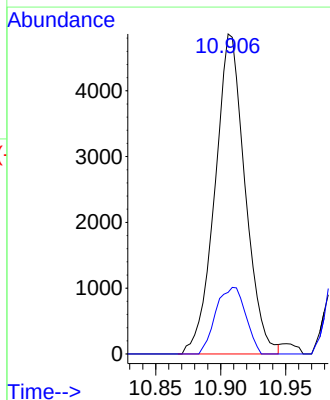
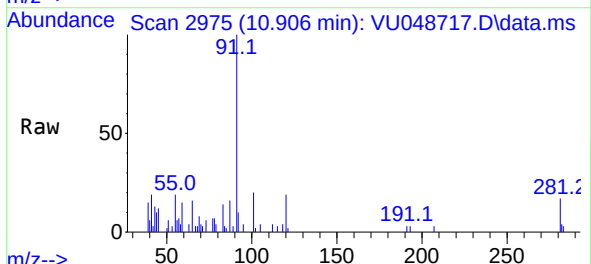
Instrument :
MSVOA_U
ClientSampleId :
TW-17

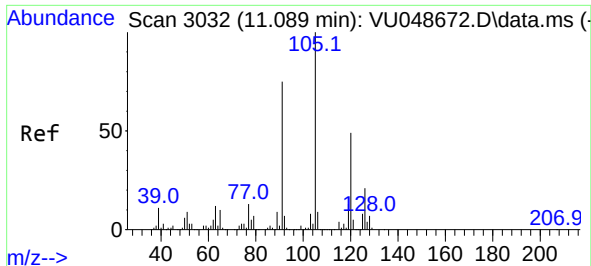
Tgt Ion:105 Resp: 5043
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6



#78
n-propylbenzene
Concen: 0.474 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. 0.000 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion: 91 Resp: 7826
Ion Ratio Lower Upper
91 100
120 20.5 11.6 34.7

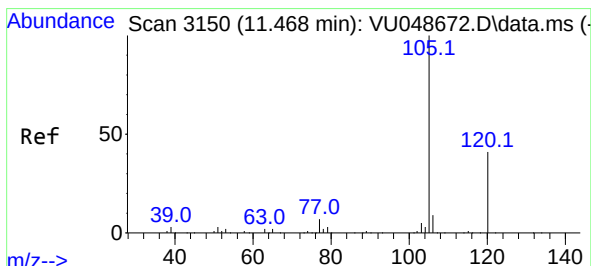
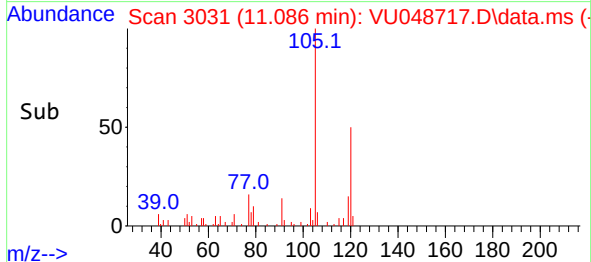
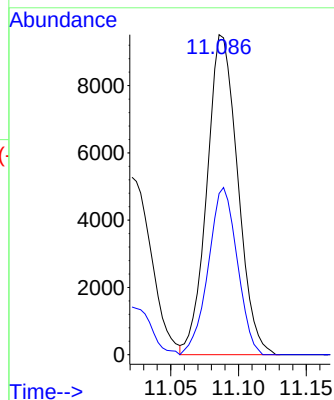
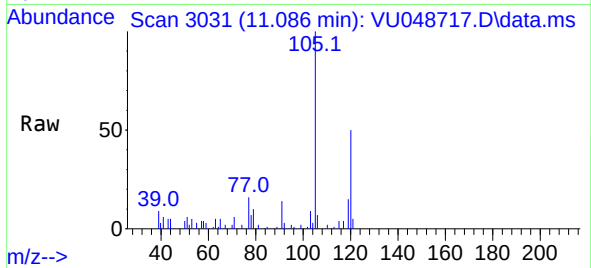




#80
1,3,5-Trimethylbenzene
Concen: 1.247 ug/l
RT: 11.086 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

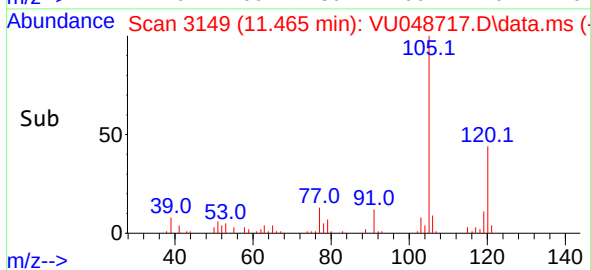
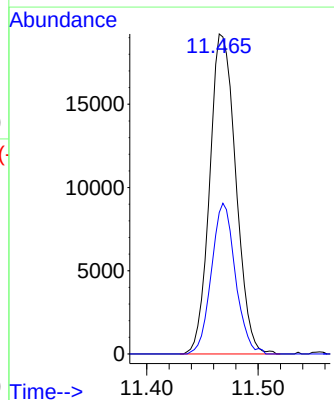
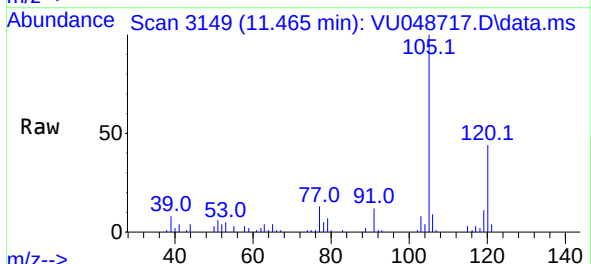
Instrument :
MSVOA_U
ClientSampleId :
TW-17

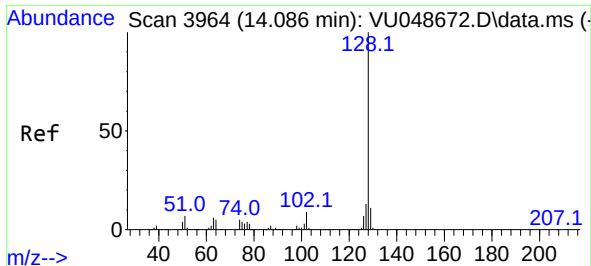
Tgt Ion:105 Resp: 15012
Ion Ratio Lower Upper
105 100
120 49.1 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 3.539 ug/l
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU048717.D
Acq: 28 May 2022 01:37

Tgt Ion:105 Resp: 31276
Ion Ratio Lower Upper
105 100
120 43.2 22.5 67.5





#95

Naphthalene

Concen: 3.995 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU048717.D

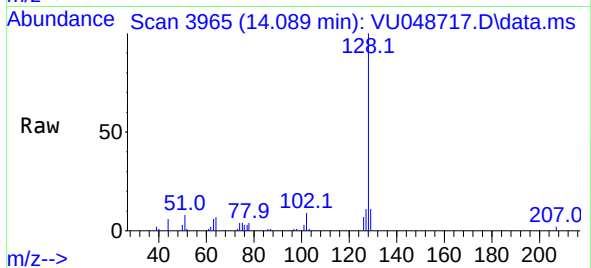
Acq: 28 May 2022 01:37

Instrument :

MSVOA_U

ClientSampleId :

TW-17



Tgt Ion:128 Resp: 26011

Ion Ratio Lower Upper

128 100

127 11.2 10.2 15.4

129 11.1 8.7 13.1

