

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092022\
 Data File : VU050855.D
 Acq On : 21 Sep 2022 01:04
 Operator : JC/MD
 Sample : N4650-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ05

Quant Time: Sep 21 04:41:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	421464	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	409849	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	180493	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	187275	42.888	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.780%
7) Chloroethane-d5	1.909	69	149256	47.994	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.980%
11) 1,1-Dichloroethene-d2	2.565	63	231457	34.065	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.120%
21) 2-Butanone-d5	4.623	46	305971	108.535	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.540%
24) Chloroform-d	5.060	84	316650	46.273	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.540%
26) 1,2-Dichloroethane-d4	5.700	65	203348	48.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.440%
32) Benzene-d6	5.726	84	637845	47.249	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.500%
36) 1,2-Dichloropropane-d6	6.690	67	216811	47.581	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.160%
41) Toluene-d8	7.896	98	512288	43.413	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.820%
43) trans-1,3-Dichloroprop...	8.179	79	84216	42.484	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.960%
47) 2-Hexanone-d5	8.632	63	186477	99.305	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.300%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	327225	47.102	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	190125	50.310	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.620%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	116516	23.458	ug/L	95
8) Chloroethane	1.928	64	33738	12.268	ug/L	98
12) 1,1-Dichloroethene	2.578	96	8553	2.640	ug/L #	1
13) Acetone	2.633	43	6652	2.787	ug/L	100
17) trans-1,2-Dichloroethene	3.353	96	3633	1.094	ug/L	98
19) 1,1-Dichloroethane	3.867	63	471299	70.235	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	168365	45.724	ug/L	97
27) 1,2-Dichloroethane	5.793	62	2849	0.561	ug/L #	85
30) 1,1,1-Trichloroethane	5.314	97	281914	51.703	ug/L	99
34) Trichloroethene	6.539	95	86680	24.740	ug/L	95
35) Methylcyclohexane	6.761	83	8475	1.501	ug/L	93
42) Toluene	7.970	91	22025	1.471	ug/L	96
46) Tetrachloroethene	8.552	164	95648	37.990	ug/L	99
52) Ethylbenzene	9.571	91	42637	2.854	ug/L	99
54) o-Xylene	10.102	106	3858	0.697	ug/L	88
61) Isopropylbenzene	10.481	105	12637	0.980	ug/L	94
62) 1,3,5-Trimethylbenzene	11.086	105	187334	17.667	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	616240	58.685	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	5140	0.823	ug/L	92

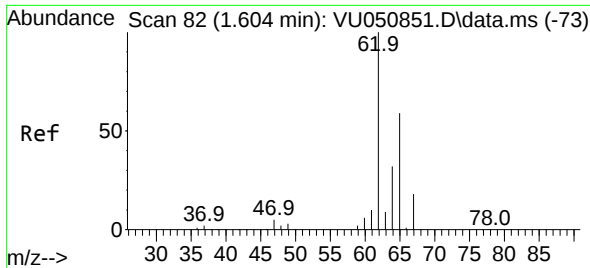
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
Data File : VU050855.D
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QLast Update : Wed Sep 21 04:30:12 2022
Response via : Initial Calibration

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

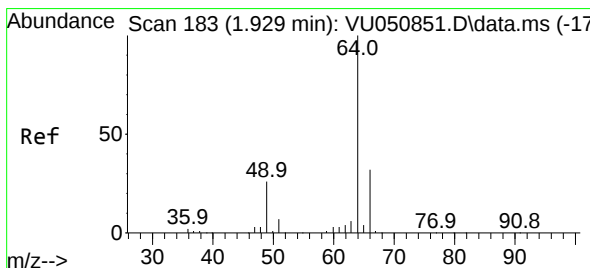
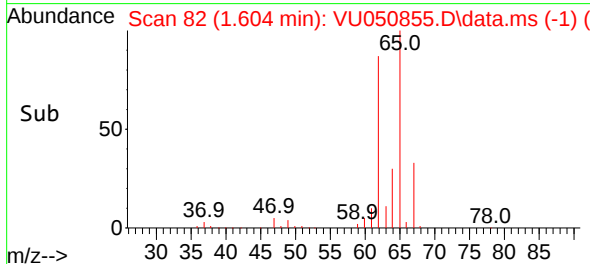
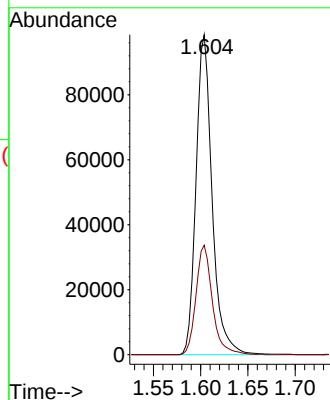
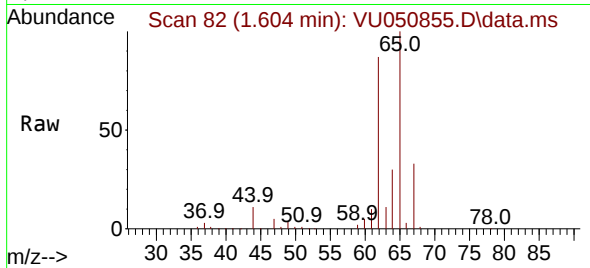
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 23.458 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU050855.D
 Acq: 21 Sep 2022 01:04

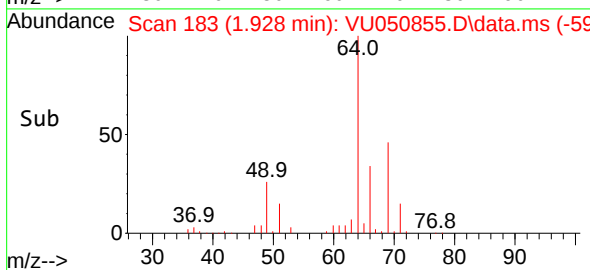
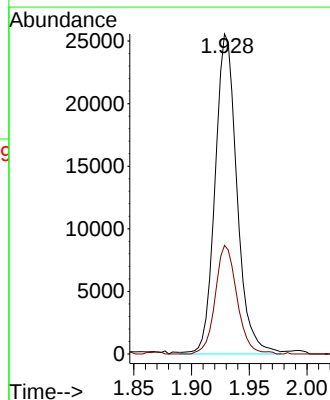
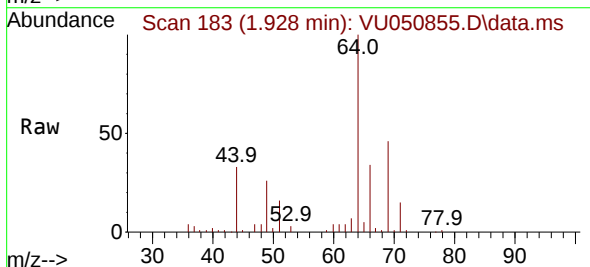
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ05

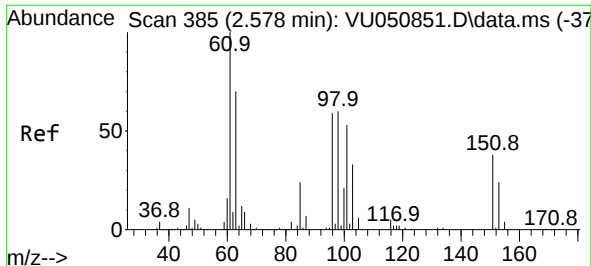
Tgt Ion: 62 Resp: 116516
 Ion Ratio Lower Upper
 62 100
 64 34.2 22.2 41.2



#8
 Chloroethane
 Concen: 12.268 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. -0.000 min
 Lab File: VU050855.D
 Acq: 21 Sep 2022 01:04

Tgt Ion: 64 Resp: 33738
 Ion Ratio Lower Upper
 64 100
 66 34.0 22.9 42.5





#12

1,1-Dichloroethene

Concen: 2.640 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU050855.D

Acq: 21 Sep 2022 01:04

Instrument :

MSVOA_U

ClientSampleId :

EXZ05

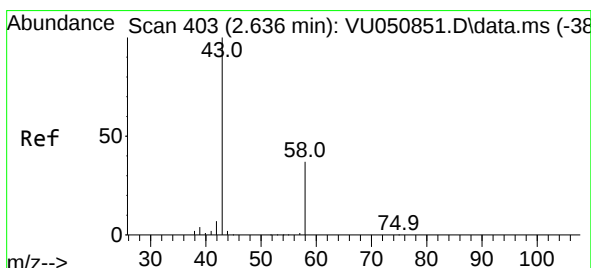
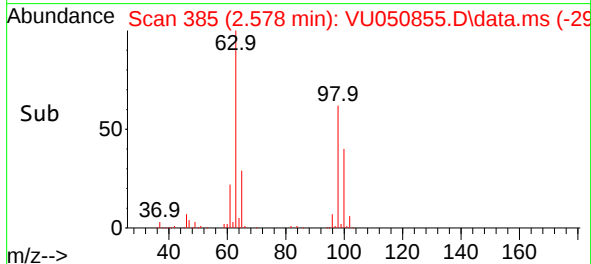
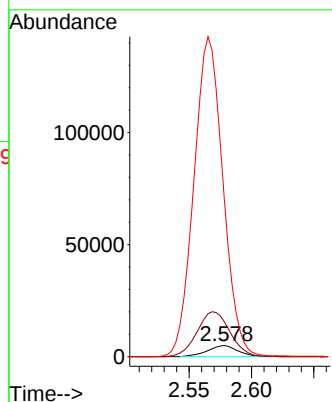
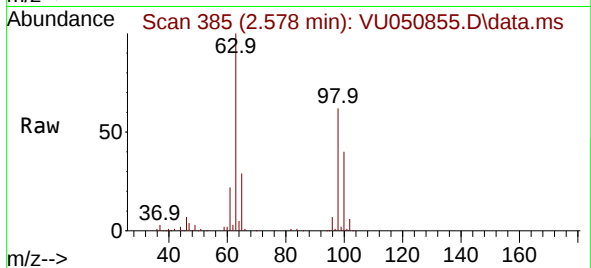
Tgt Ion: 96 Resp: 8553

Ion Ratio Lower Upper

96 100

61 318.2 118.6 220.2#

63 1448.3 90.4 168.0#



#13

Acetone

Concen: 2.787 ug/L

RT: 2.633 min Scan# 402

Delta R.T. -0.003 min

Lab File: VU050855.D

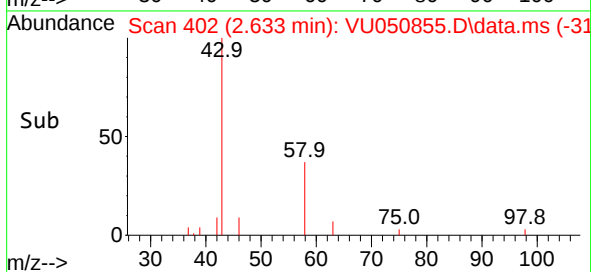
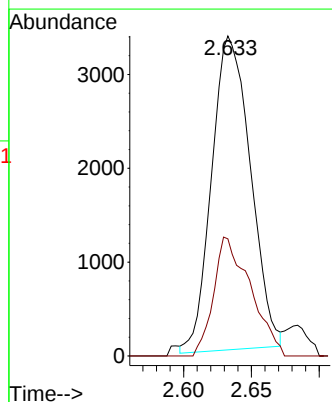
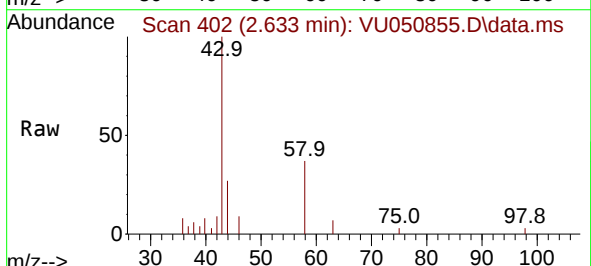
Acq: 21 Sep 2022 01:04

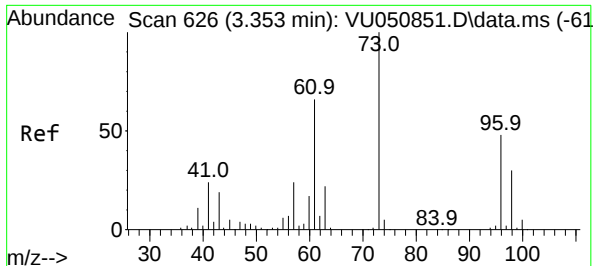
Tgt Ion: 43 Resp: 6652

Ion Ratio Lower Upper

43 100

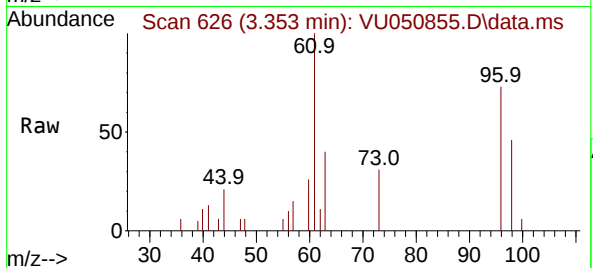
58 36.0 0.0 71.4





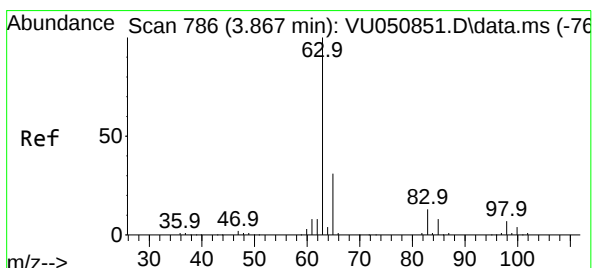
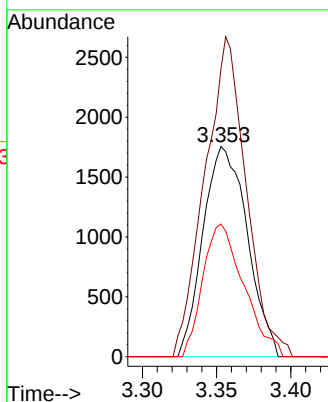
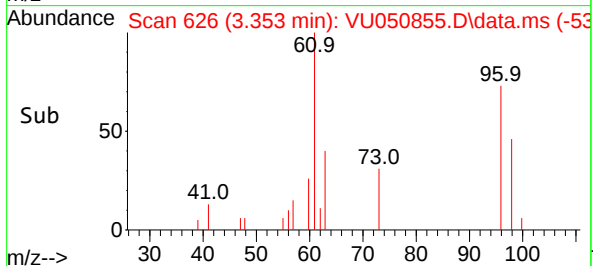
#17
trans-1,2-Dichloroethene
Concen: 1.094 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU050855.D
Acq: 21 Sep 2022 01:04

Instrument :
MSVOA_U
ClientSampleId :
EXZ05

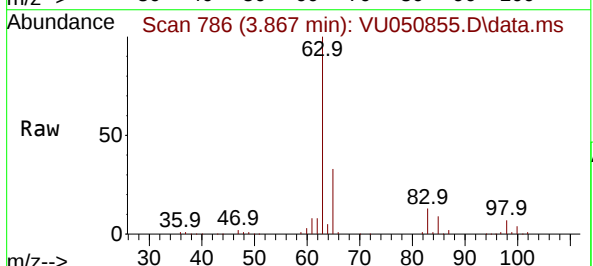


Tgt Ion: 96 Resp: 3633

Ion	Ratio	Lower	Upper
96	100		
61	136.8	98.0	182.0
98	63.1	44.3	82.3

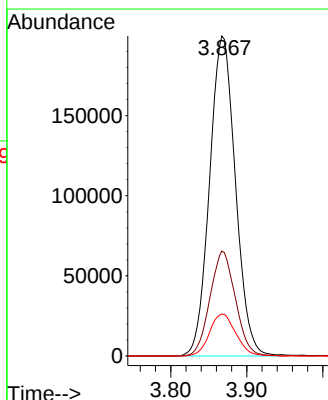
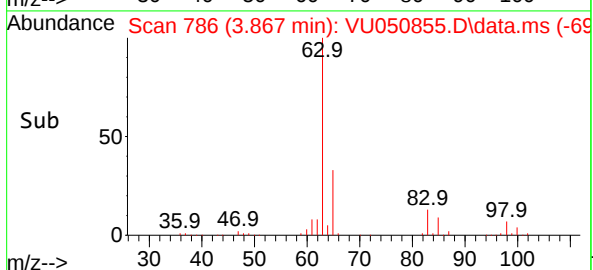


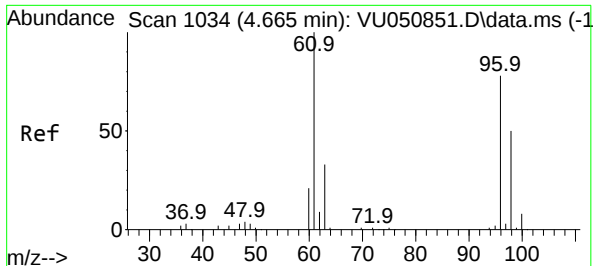
#19
1,1-Dichloroethane
Concen: 70.235 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU050855.D
Acq: 21 Sep 2022 01:04



Tgt Ion: 63 Resp: 471299

Ion	Ratio	Lower	Upper
63	100		
65	32.8	21.5	39.9
83	13.1	9.3	17.3





#20

cis-1,2-Dichloroethene

Concen: 45.724 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050855.D

Acq: 21 Sep 2022 01:04

Instrument :

MSVOA_U

ClientSampleId :

EXZ05

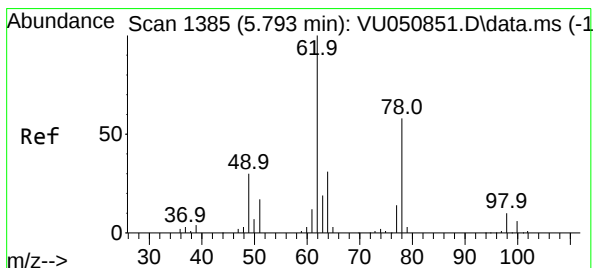
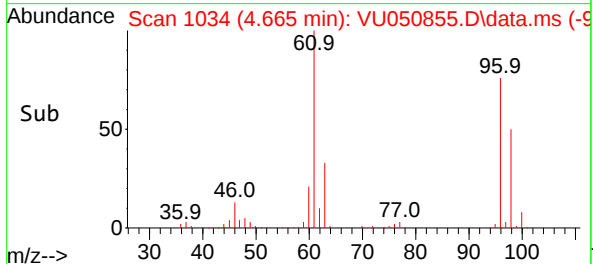
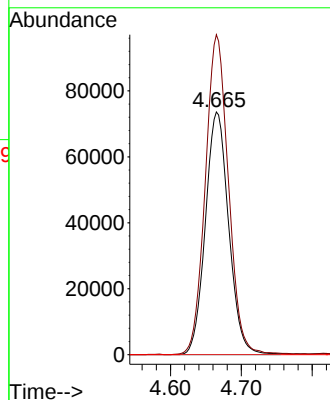
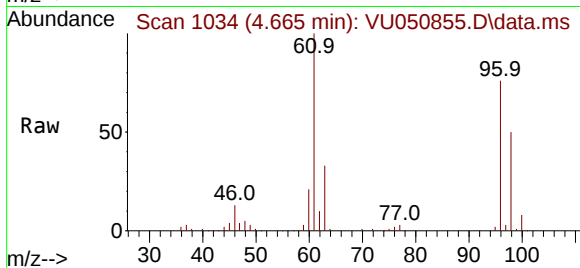
Tgt Ion: 96 Resp: 168365

Ion Ratio Lower Upper

96 100

61 131.9 90.1 167.3

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.561 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU050855.D

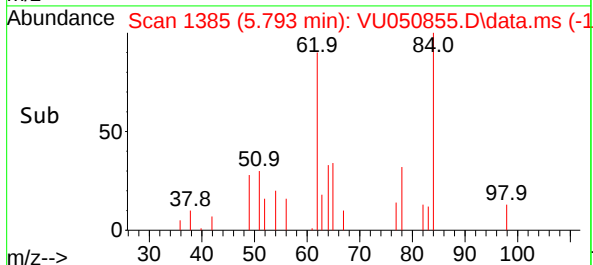
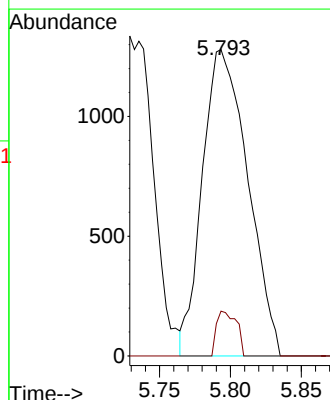
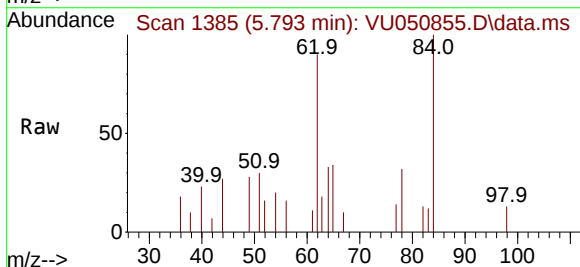
Acq: 21 Sep 2022 01:04

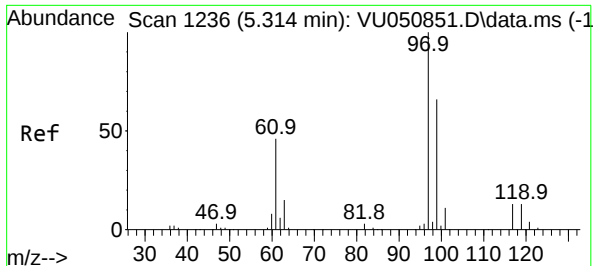
Tgt Ion: 62 Resp: 2849

Ion Ratio Lower Upper

62 100

98 14.6 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 51.703 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050855.D

Acq: 21 Sep 2022 01:04

Instrument :

MSVOA_U

ClientSampleId :

EXZ05

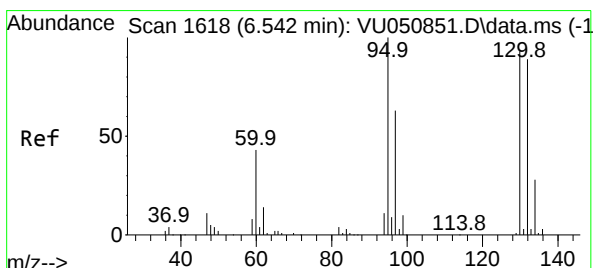
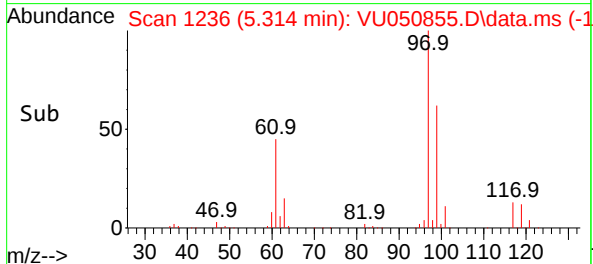
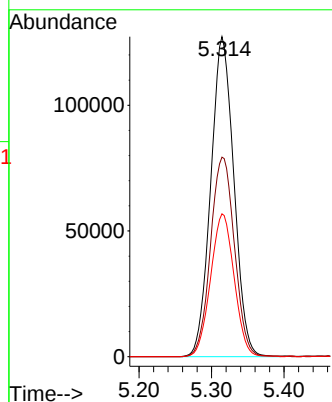
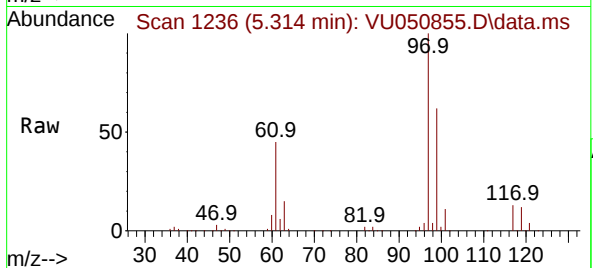
Tgt Ion: 97 Resp: 281914

Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.2

61 45.5 37.1 55.7



#34

Trichloroethene

Concen: 24.740 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU050855.D

Acq: 21 Sep 2022 01:04

Tgt Ion: 95 Resp: 86680

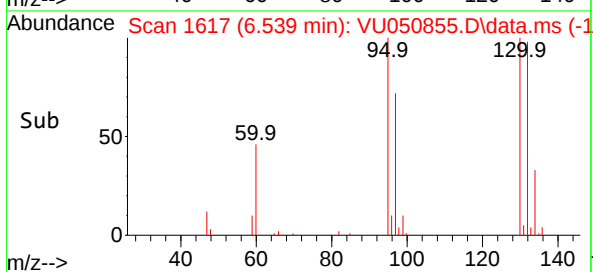
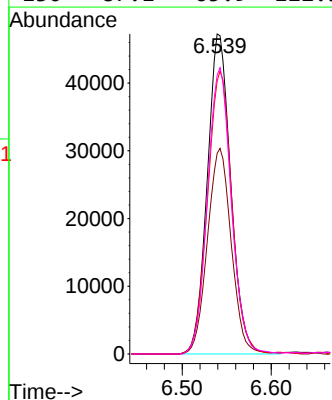
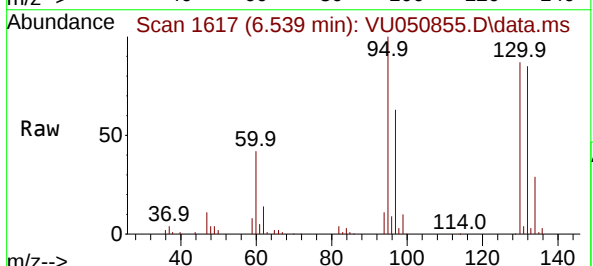
Ion Ratio Lower Upper

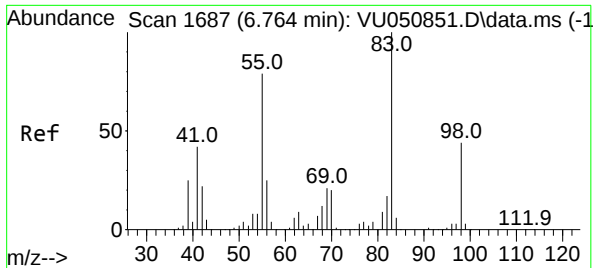
95 100

97 62.7 43.9 81.5

132 85.3 63.1 117.1

130 87.1 65.9 122.3

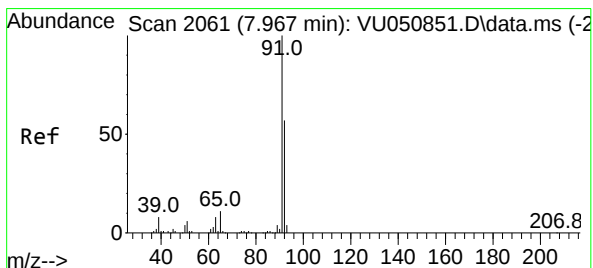
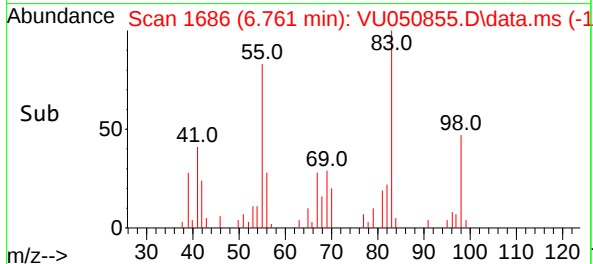
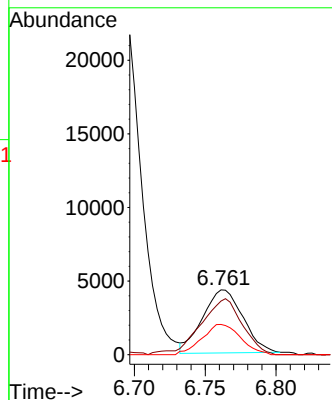
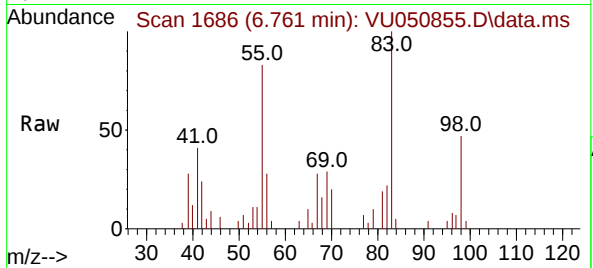




#35
Methylcyclohexane
Concen: 1.501 ug/L
RT: 6.761 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU050855.D
Acq: 21 Sep 2022 01:04

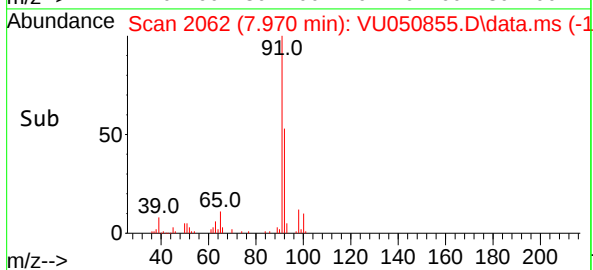
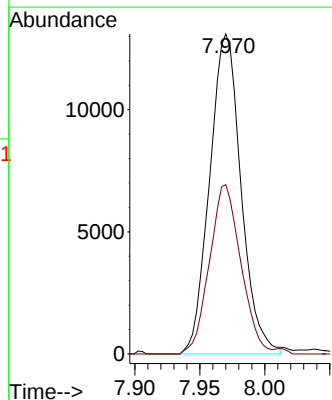
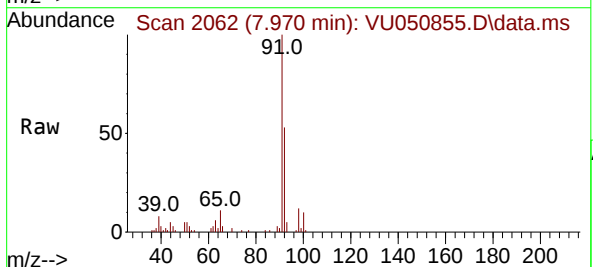
Instrument :
MSVOA_U
ClientSampleId :
EXZ05

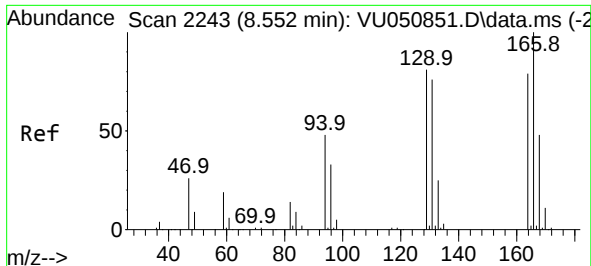
Tgt Ion: 83 Resp: 8475
Ion Ratio Lower Upper
83 100
55 89.3 64.7 97.1
98 45.9 35.2 52.8



#42
Toluene
Concen: 1.471 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU050855.D
Acq: 21 Sep 2022 01:04

Tgt Ion: 91 Resp: 22025
Ion Ratio Lower Upper
91 100
92 52.9 39.1 72.5

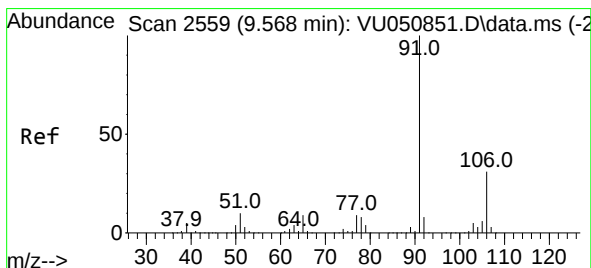
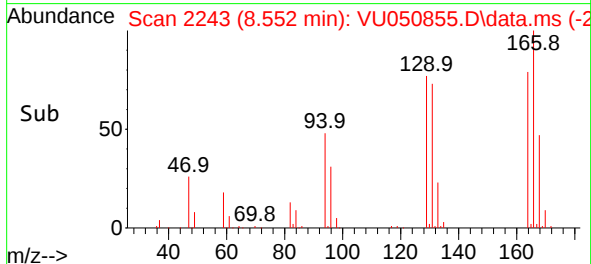
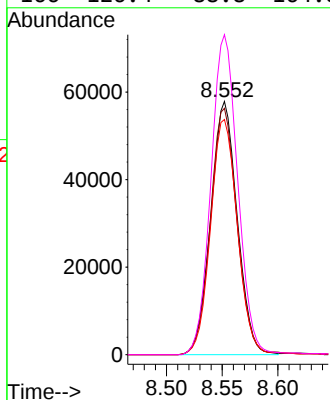
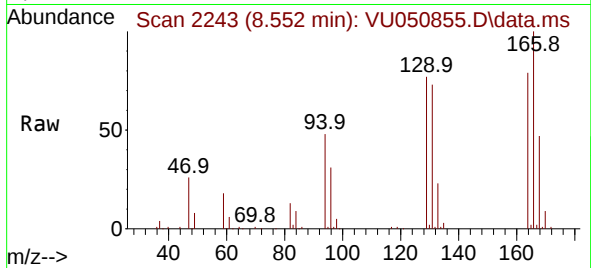




#46
Tetrachloroethene
Concen: 37.990 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050855.D
Acq: 21 Sep 2022 01:04

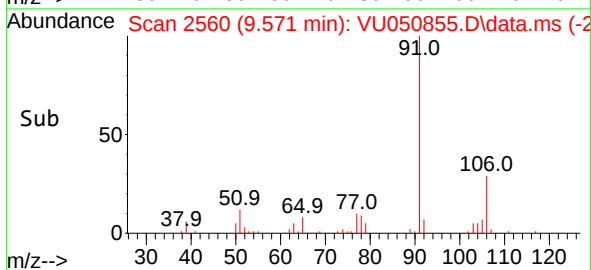
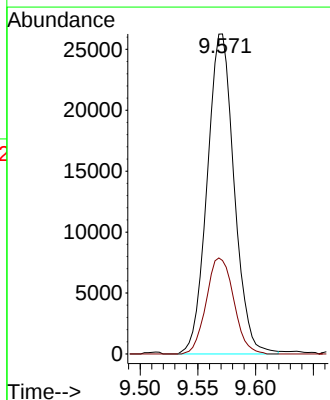
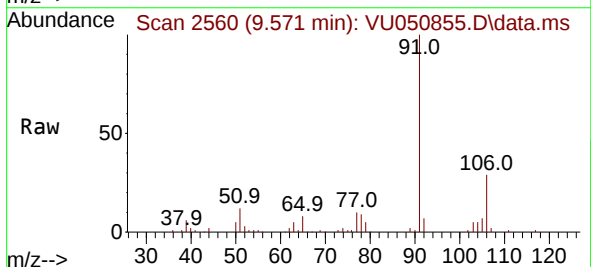
Instrument :
MSVOA_U
ClientSampleId :
EXZ05

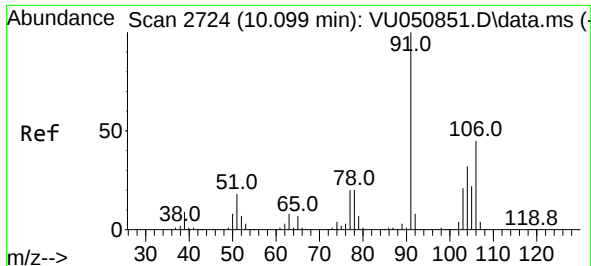
Tgt Ion:164 Resp: 95648
Ion Ratio Lower Upper
164 100
129 97.3 68.5 127.3
131 92.9 66.1 122.7
166 126.4 88.8 164.8



#52
Ethylbenzene
Concen: 2.854 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU050855.D
Acq: 21 Sep 2022 01:04

Tgt Ion: 91 Resp: 42637
Ion Ratio Lower Upper
91 100
106 29.2 21.0 39.0

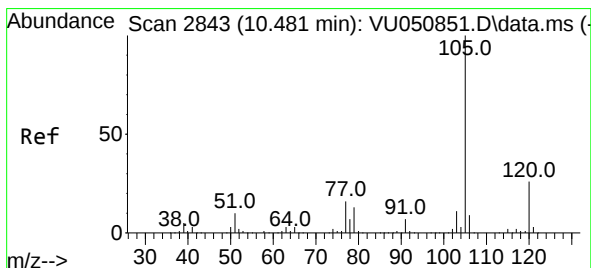
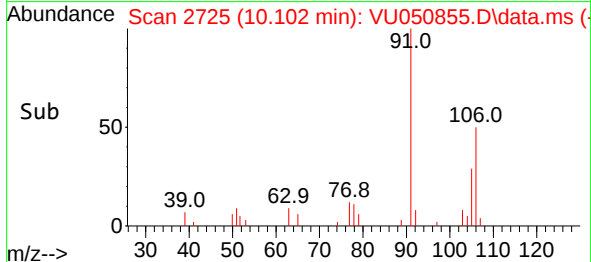
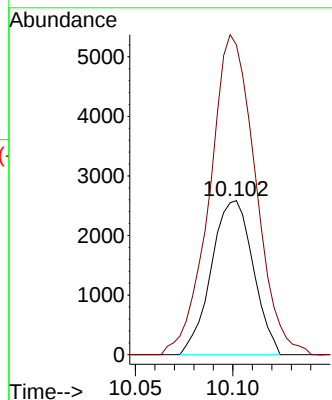
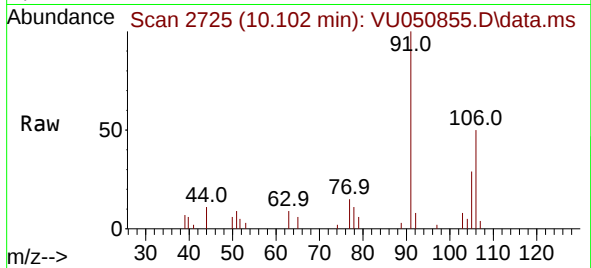




#54
o-Xylene
Concen: 0.697 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050855.D
Acq: 21 Sep 2022 01:04

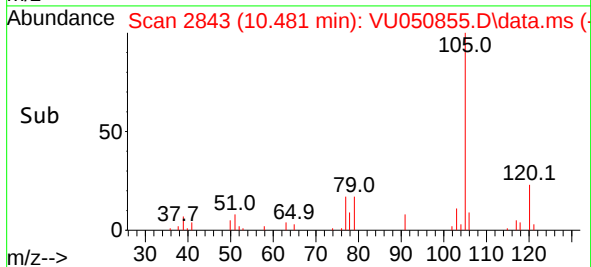
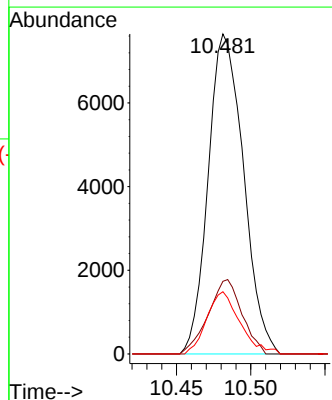
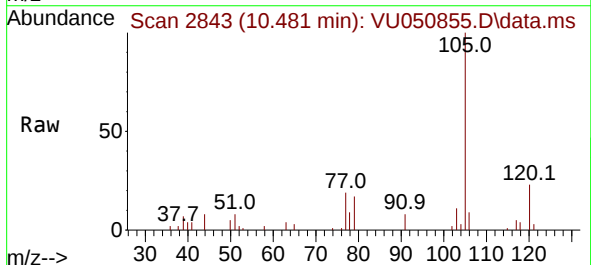
Instrument :
MSVOA_U
ClientSampleId :
EXZ05

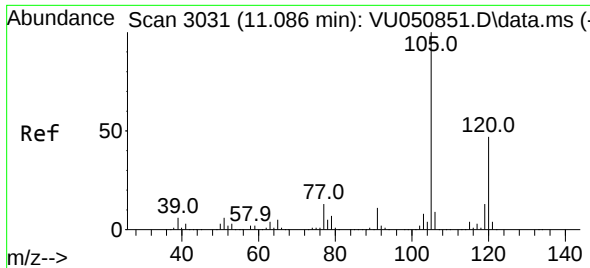
Tgt Ion:106 Resp: 3858
Ion Ratio Lower Upper
106 100
91 201.0 154.6 287.0



#61
Isopropylbenzene
Concen: 0.980 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU050855.D
Acq: 21 Sep 2022 01:04

Tgt Ion:105 Resp: 12637
Ion Ratio Lower Upper
105 100
120 22.2 20.5 30.7
77 17.9 12.9 19.3

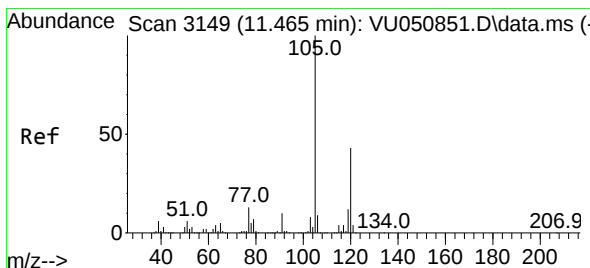
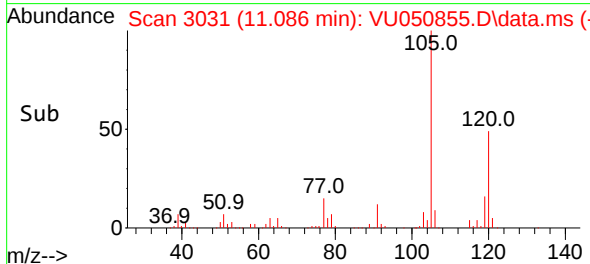
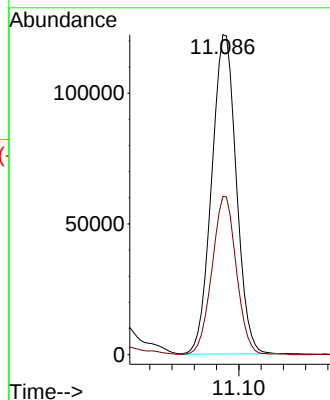
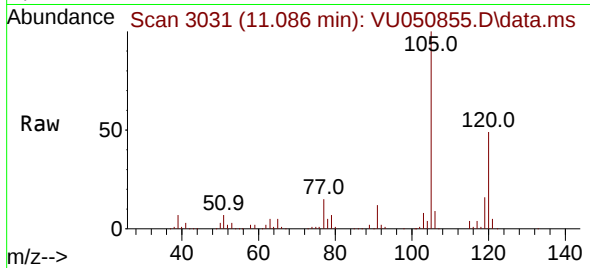




#62
 1,3,5-Trimethylbenzene
 Concen: 17.667 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU050855.D
 Acq: 21 Sep 2022 01:04

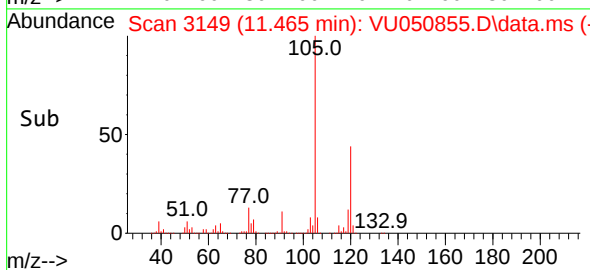
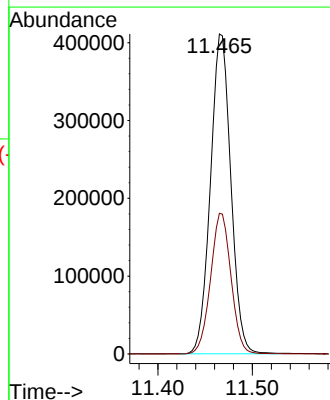
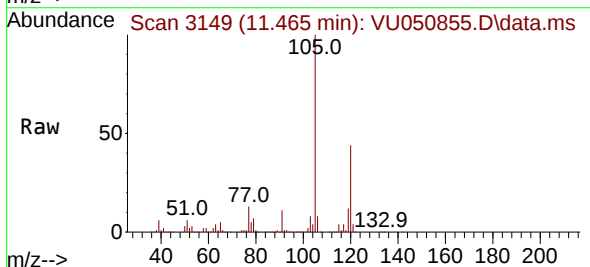
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ05

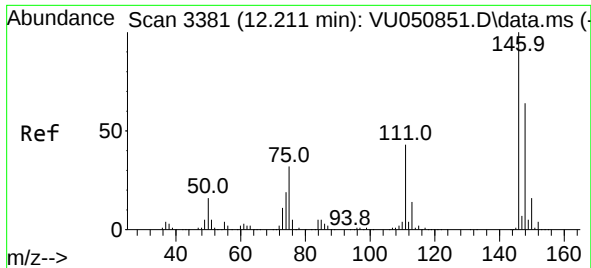
Tgt Ion:105 Resp: 187334
 Ion Ratio Lower Upper
 105 100
 120 48.8 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 58.685 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU050855.D
 Acq: 21 Sep 2022 01:04

Tgt Ion:105 Resp: 616240
 Ion Ratio Lower Upper
 105 100
 120 44.1 34.9 52.3





#67
 1,2-Dichlorobenzene
 Concen: 0.823 ug/L
 RT: 12.211 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU050855.D
 Acq: 21 Sep 2022 01:04

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ05

Tgt Ion:	146	Resp:	5140
Ion	Ratio	Lower	Upper
146	100		
111	49.7	35.2	52.8
148	70.5	52.0	78.0

