

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
 Data File : VU051323.D
 Acq On : 10 Oct 2022 13:35
 Operator : JC/MD
 Sample : N5013-03DL 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 01:00:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 00:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	208617	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	225846	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	95698	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	61295	3.642	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.800%
7) Chloroethane-d5	1.912	69	60282	4.169	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.565	65	25022	3.762	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	4.620	46	176655	47.681	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.360%
24) Chloroform-d	5.060	84	143632	4.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.700	65	75358	4.658	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.726	84	253740	4.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	6.690	67	92791	4.398	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.896	98	194543	3.500	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.000%
43) trans-1,3-Dichloroprop...	8.179	79	30952	4.465	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.632	63	100421	42.981	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.960%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	78024	4.629	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	76066	4.573	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	3759	0.160	ug/L #	60
8) Chloroethane	1.932	64	5965	0.399	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	667	0.041	ug/L #	21
16) Methylene chloride	3.041	84	12327	0.549	ug/L	99
22) cis-1,2-Dichloroethene	4.668	96	20601	1.162	ug/L	96
27) 1,2-Dichloroethane	5.771	62	5159	0.250	ug/L #	74
33) Benzene	5.771	78	578232	7.669	ug/L	100
35) Methylcyclohexane	6.690	83	21086	0.889	ug/L #	17
37) 1,2-Dichloropropane	6.687	63	9606	0.465	ug/L #	88
42) Toluene	7.970	91	769552	9.616	ug/L	98
51) Chlorobenzene	9.446	112	87435	1.828	ug/L	98
52) Ethylbenzene	9.568	91	82578	1.148	ug/L	96
53) m,p-Xylene	9.690	106	85095	3.051	ug/L	99
54) o-Xylene	10.099	106	26429	1.001	ug/L	92
55) Styrene	10.102	104	2433	0.054	ug/L #	1
60) Isopropylbenzene	10.484	105	15568	0.257	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	4278	0.266	ug/L	94
63) 1,2,4-Trimethylbenzene	11.465	105	15520	0.341	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	3420	0.116	ug/L	93

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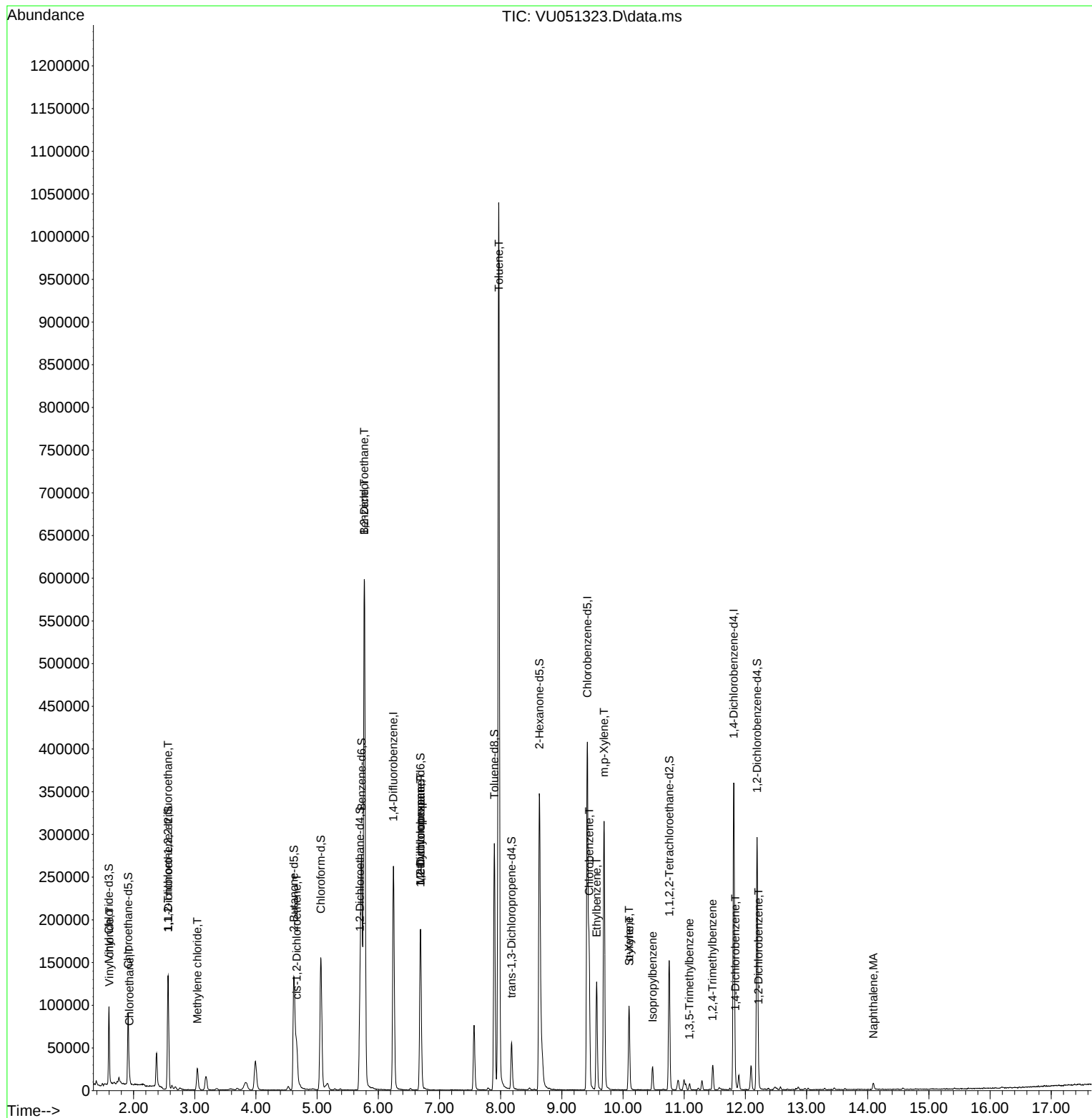
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.214	146	3929	0.135	ug/L	92
71) Naphthalene	14.092	128	7249	0.266	ug/L #	93

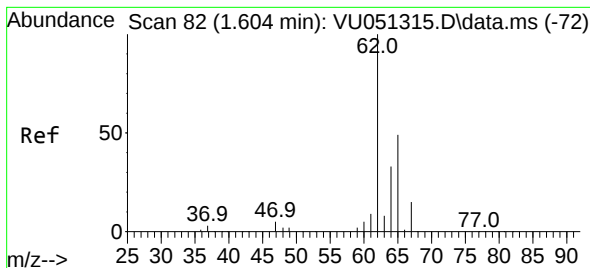
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.160 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU051323.D

Acq: 10 Oct 2022 13:35

Instrument :

MSVOA_U

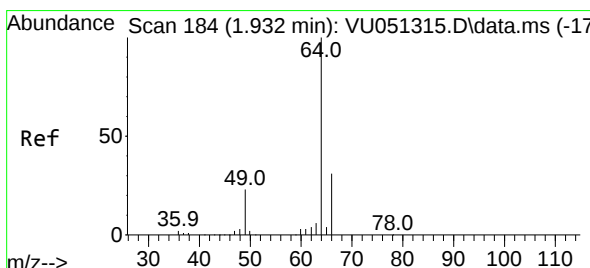
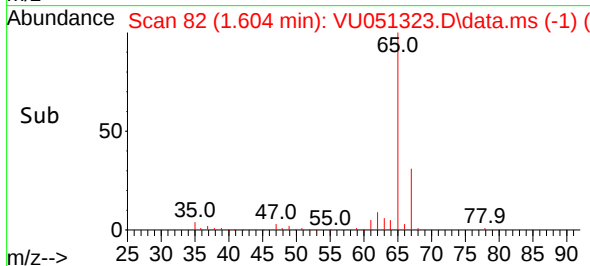
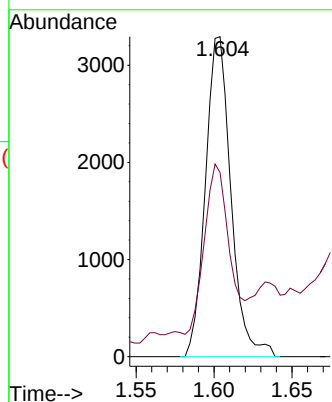
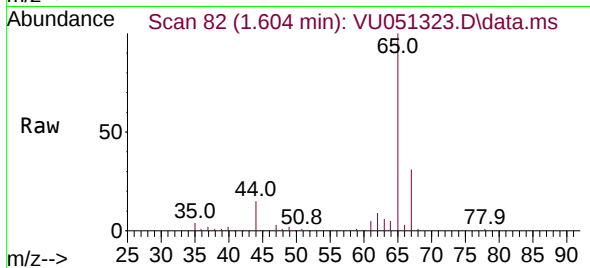
ClientSampleId :

Tgt Ion: 62 Resp: 3759

Ion Ratio Lower Upper

62 100

64 57.6 24.0 44.6#



#8

Chloroethane

Concen: 0.399 ug/L

RT: 1.932 min Scan# 184

Delta R.T. 0.000 min

Lab File: VU051323.D

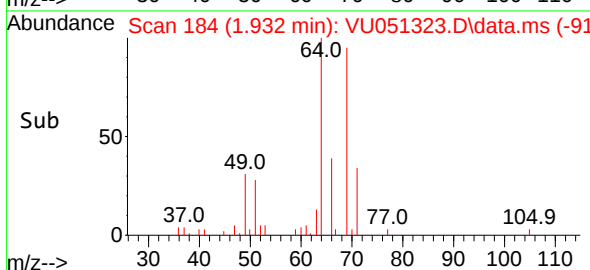
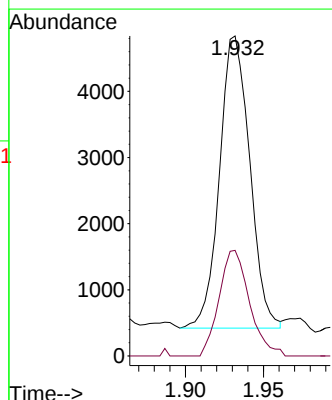
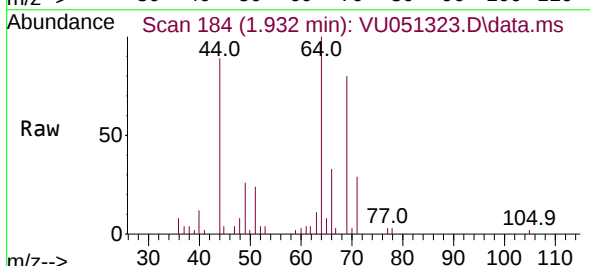
Acq: 10 Oct 2022 13:35

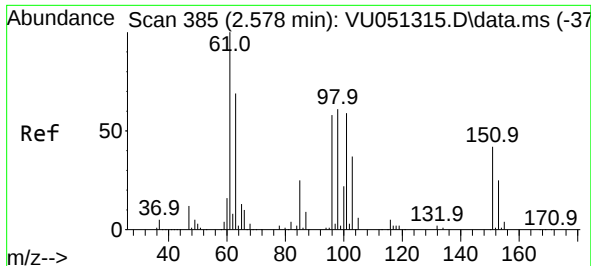
Tgt Ion: 64 Resp: 5965

Ion Ratio Lower Upper

64 100

66 33.0 22.3 41.3

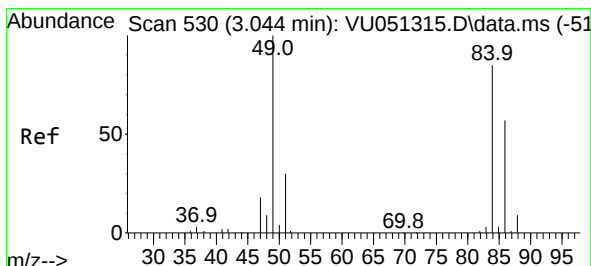
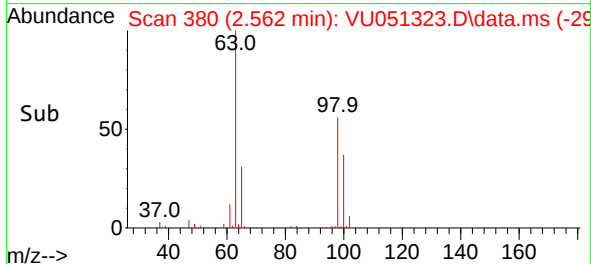
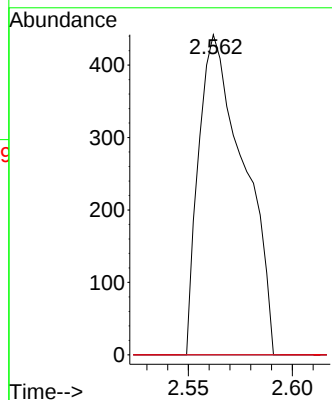
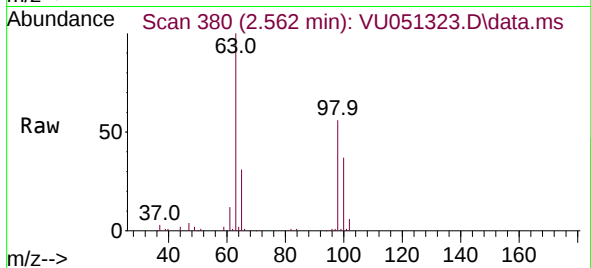




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.041 ug/L
RT: 2.562 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

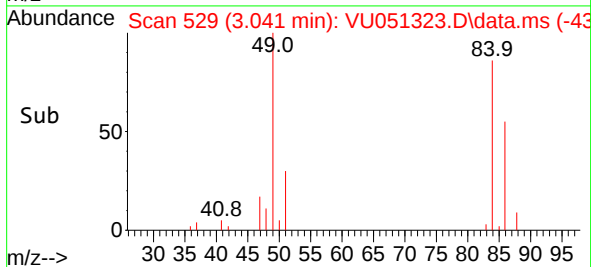
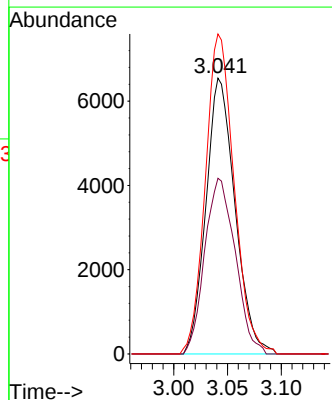
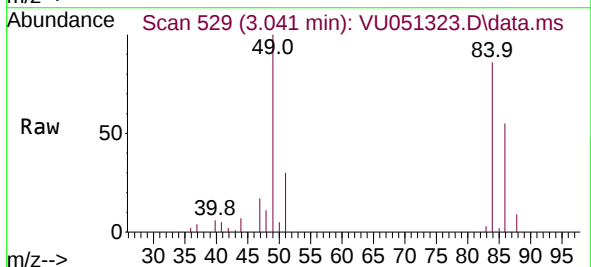
Instrument :
MSVOA_U
ClientSampleId :

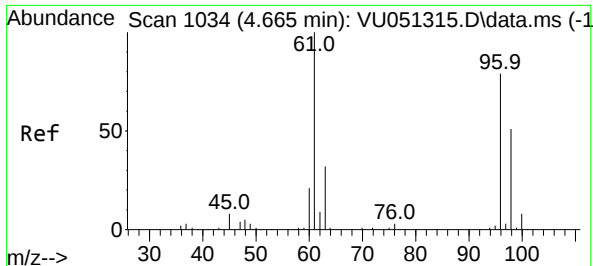
Tgt Ion:101 Resp: 667
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.5 84.7#



#16
Methylene chloride
Concen: 0.549 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

Tgt Ion: 84 Resp: 12327
Ion Ratio Lower Upper
84 100
86 63.7 46.5 86.3
49 116.0 81.3 151.1





#22

cis-1,2-Dichloroethene

Concen: 1.162 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051323.D

Acq: 10 Oct 2022 13:35

Instrument :

MSVOA_U

ClientSampleId :

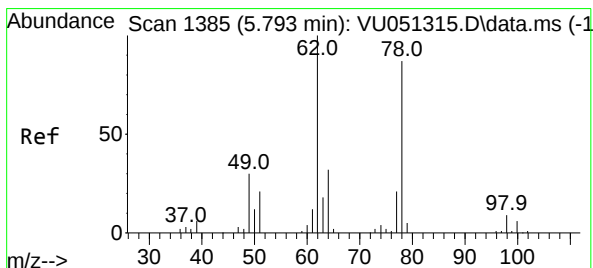
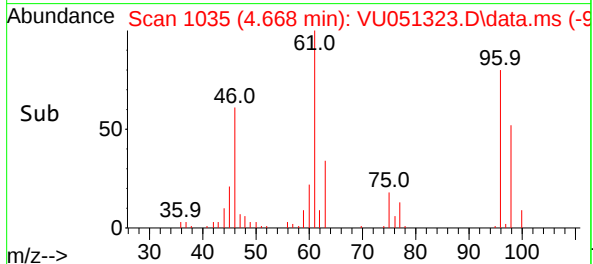
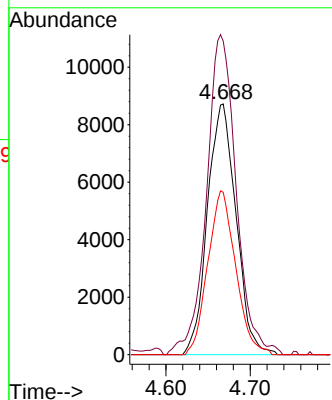
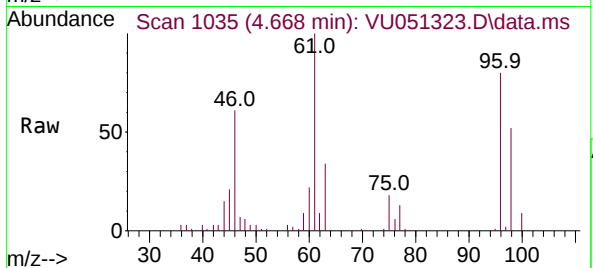
Tgt Ion: 96 Resp: 20601

Ion Ratio Lower Upper

96 100

61 125.1 90.6 168.2

98 64.8 47.5 88.3



#27

1,2-Dichloroethane

Concen: 0.250 ug/L

RT: 5.771 min Scan# 1378

Delta R.T. -0.022 min

Lab File: VU051323.D

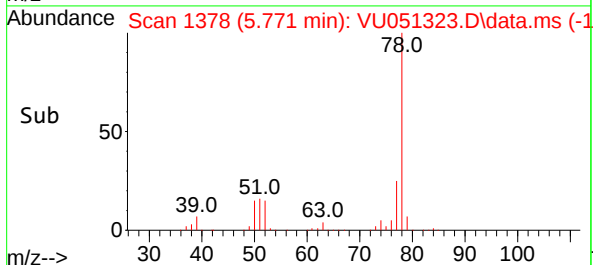
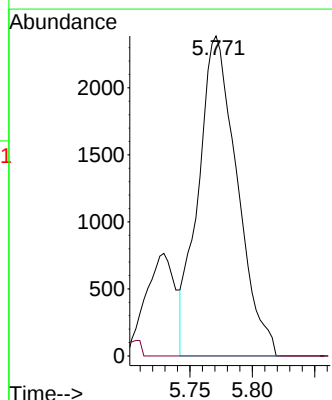
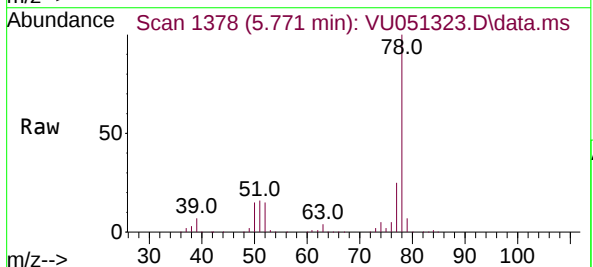
Acq: 10 Oct 2022 13:35

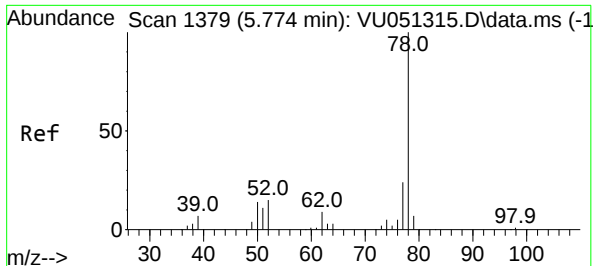
Tgt Ion: 62 Resp: 5159

Ion Ratio Lower Upper

62 100

98 0.0 7.7 11.5#

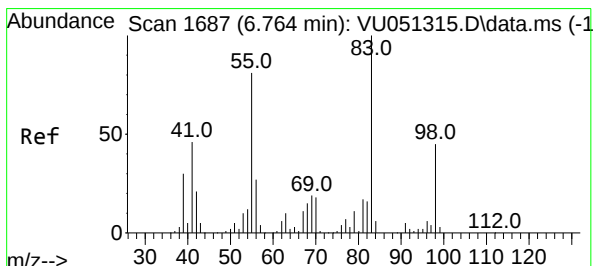
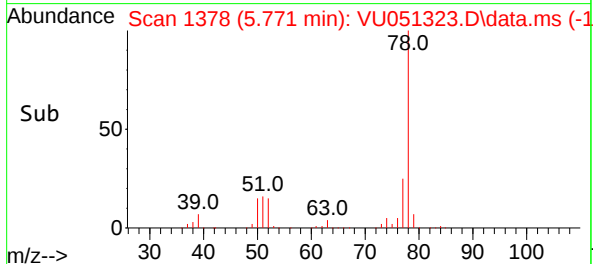
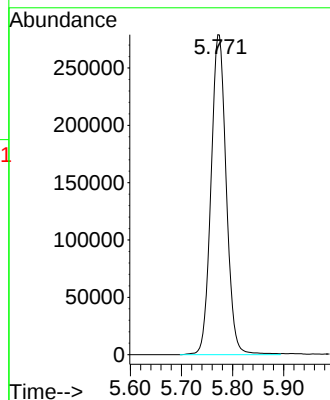
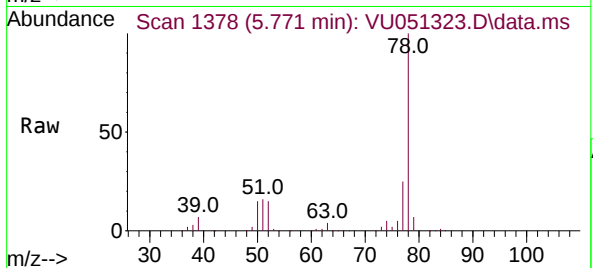




#33
Benzene
Concen: 7.669 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

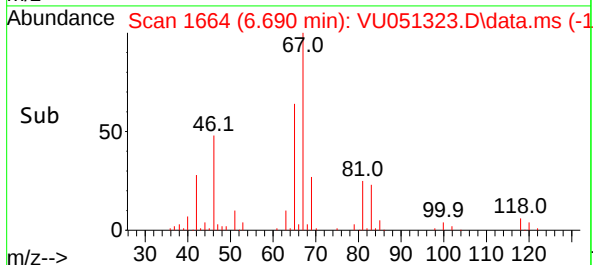
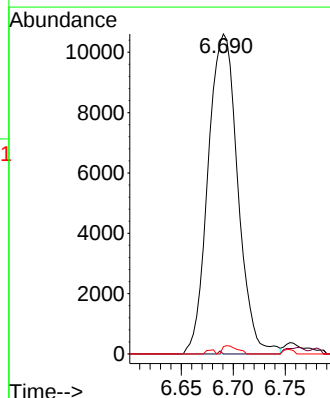
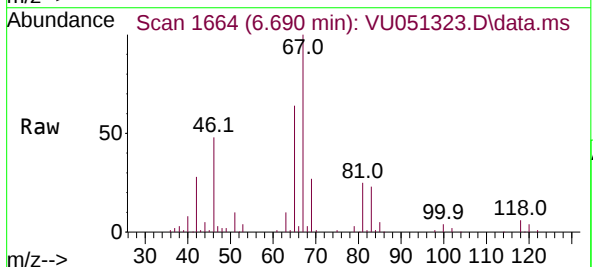
Instrument :
MSVOA_U
ClientSampleId :

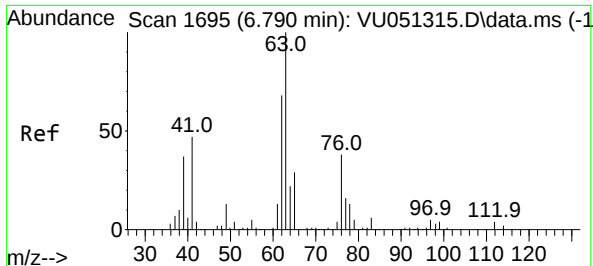
Tgt Ion: 78 Resp: 578232



#35
Methylcyclohexane
Concen: 0.889 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

Tgt Ion: 83 Resp: 21086
Ion Ratio Lower Upper
83 100
55 0.1 65.8 98.6#
98 1.3 35.9 53.9#





#37

1,2-Dichloropropane

Concen: 0.465 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU051323.D

Acq: 10 Oct 2022 13:35

Instrument :

MSVOA_U

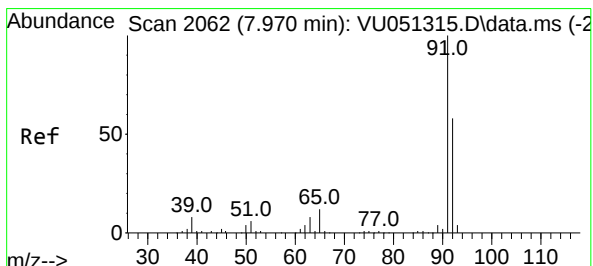
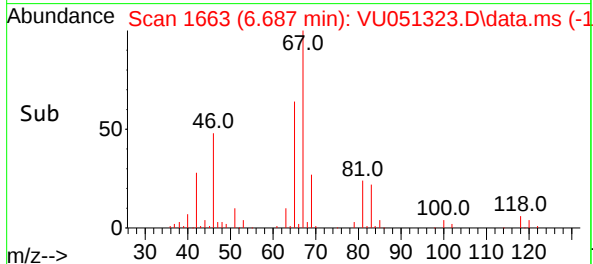
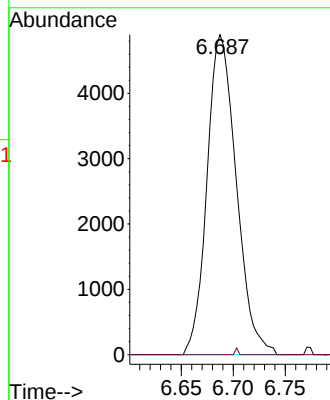
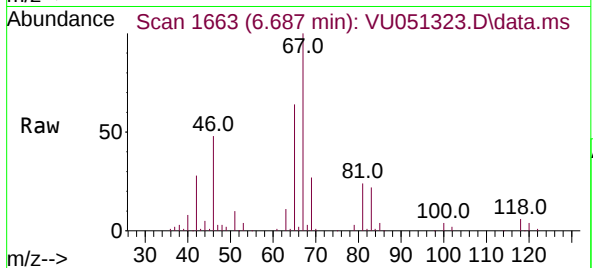
ClientSampleId :

Tgt Ion: 63 Resp: 9606

Ion Ratio Lower Upper

63 100

112 0.2 3.2 4.8#



#42

Toluene

Concen: 9.616 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU051323.D

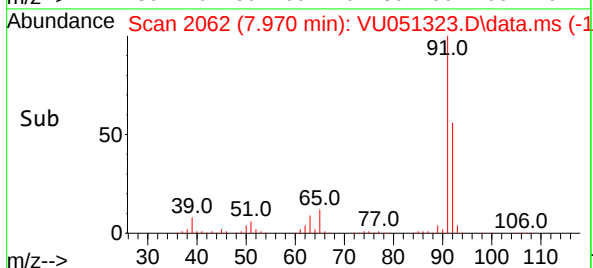
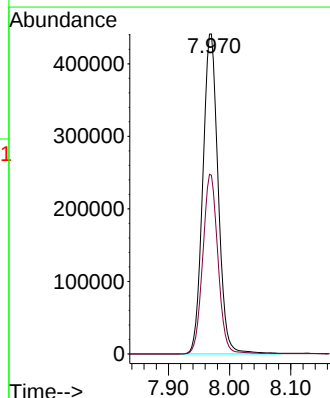
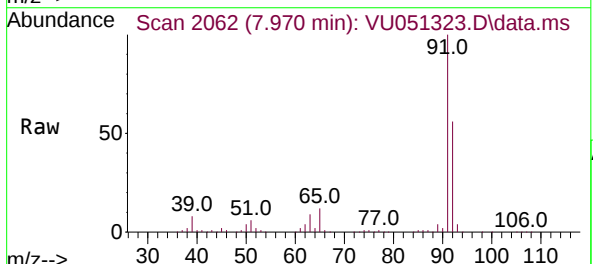
Acq: 10 Oct 2022 13:35

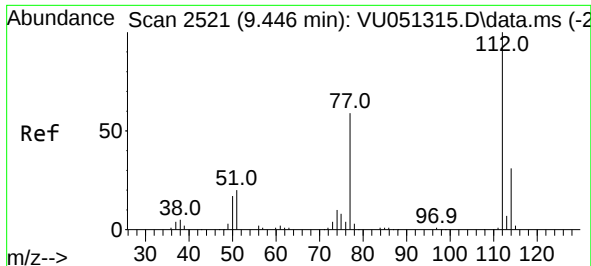
Tgt Ion: 91 Resp: 769552

Ion Ratio Lower Upper

91 100

92 55.9 39.9 74.1

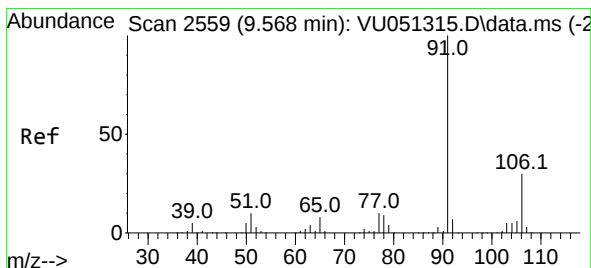
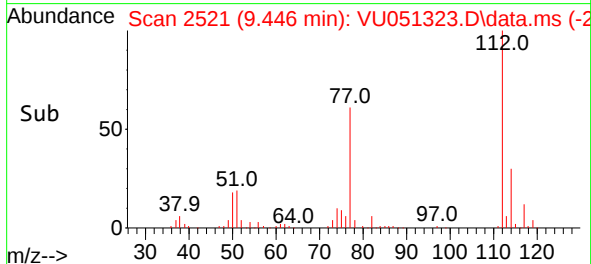
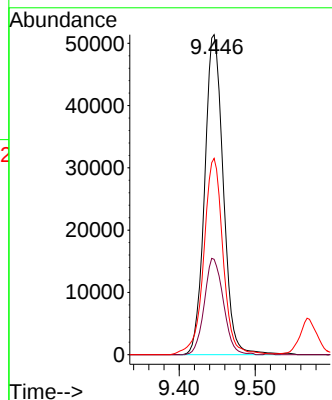
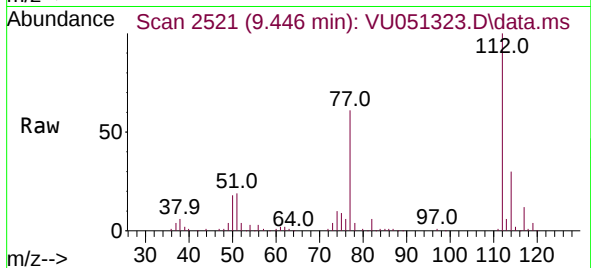




#51
Chlorobenzene
Concen: 1.828 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

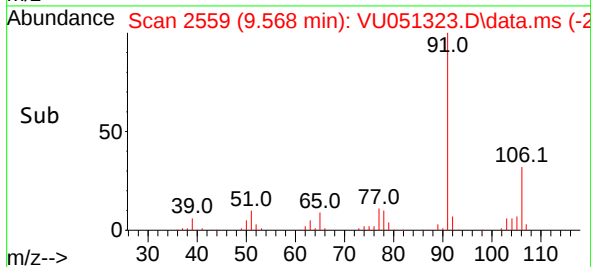
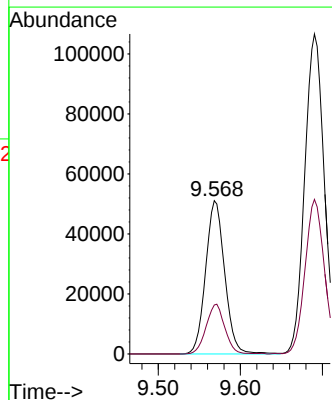
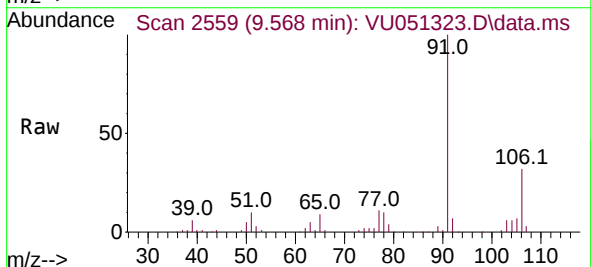
Instrument :
MSVOA_U
ClientSampleId :

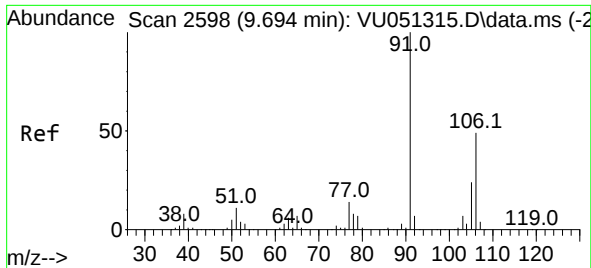
Tgt Ion:112 Resp: 87435
Ion Ratio Lower Upper
112 100
114 29.8 22.3 41.5
77 61.4 48.1 72.1



#52
Ethylbenzene
Concen: 1.148 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

Tgt Ion: 91 Resp: 82578
Ion Ratio Lower Upper
91 100
106 31.9 20.9 38.7

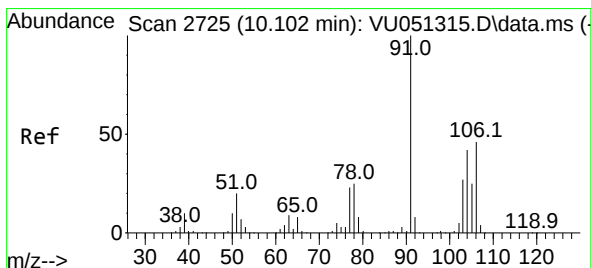
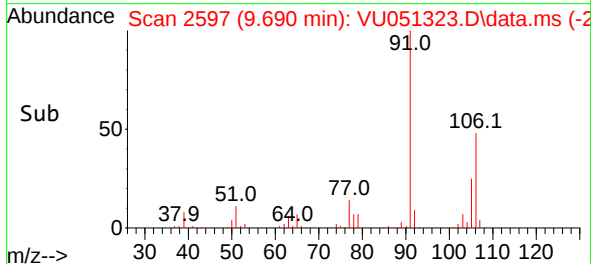
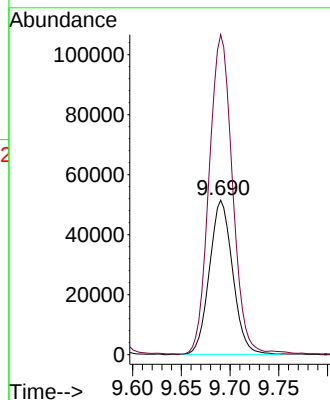
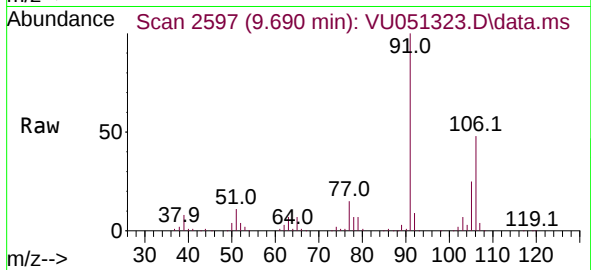




#53
m,p-Xylene
Concen: 3.051 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

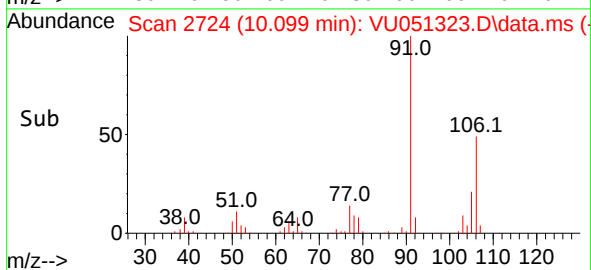
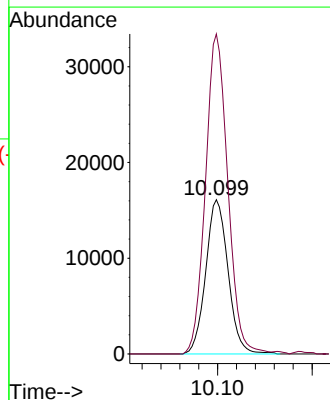
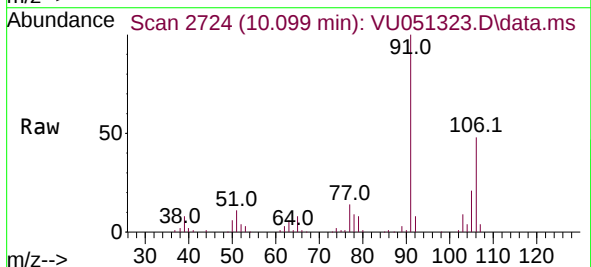
Instrument :
MSVOA_U
ClientSampleId :

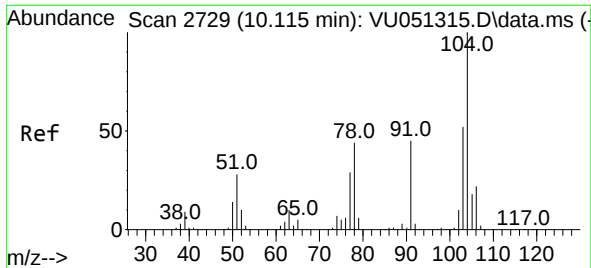
Tgt Ion:106 Resp: 85095
Ion Ratio Lower Upper
106 100
91 206.9 143.9 267.3



#54
o-Xylene
Concen: 1.001 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

Tgt Ion:106 Resp: 26429
Ion Ratio Lower Upper
106 100
91 207.5 154.4 286.8

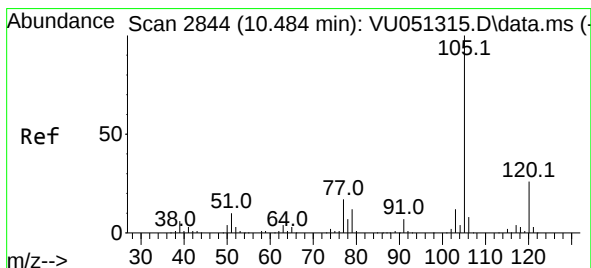
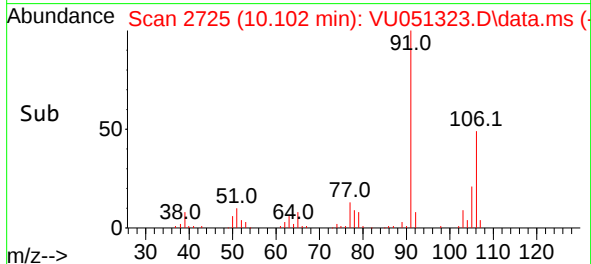
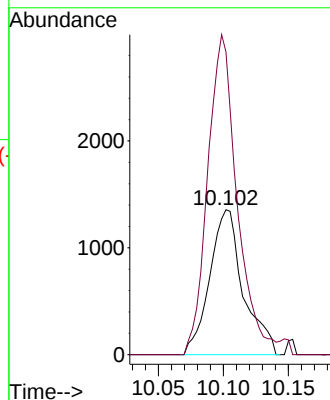
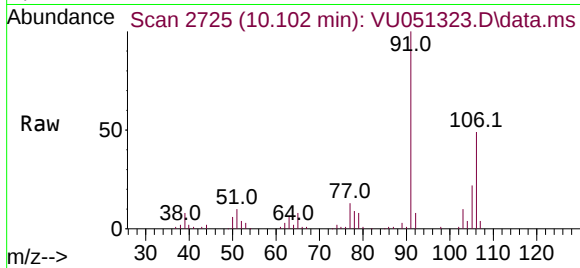




#55
Styrene
Concen: 0.054 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

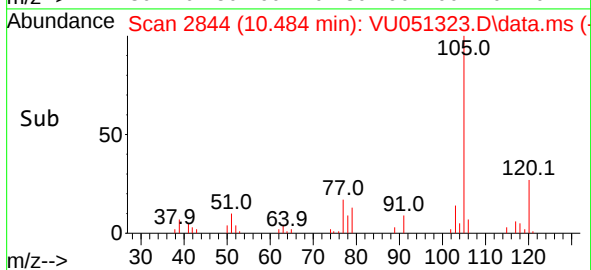
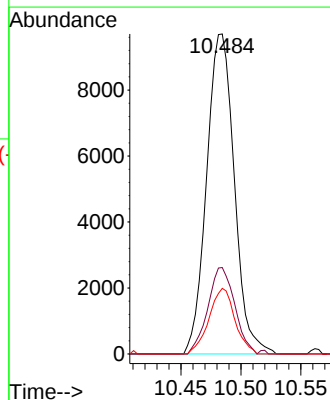
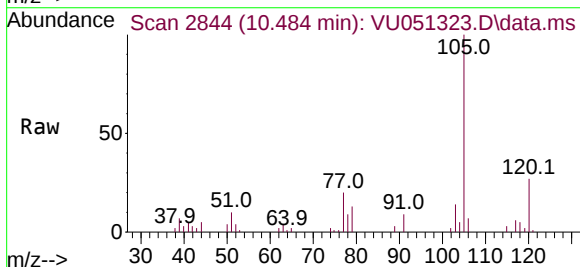
Instrument :
MSVOA_U
ClientSampleId :

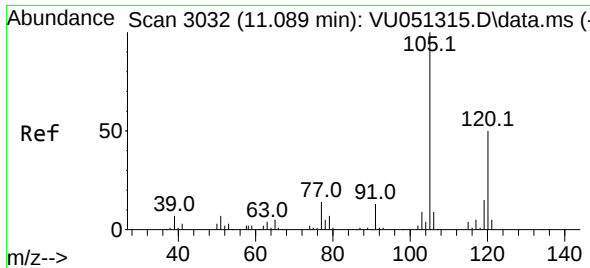
Tgt Ion:104 Resp: 2433
Ion Ratio Lower Upper
104 100
78 208.9 32.1 59.7#



#60
Isopropylbenzene
Concen: 0.257 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

Tgt Ion:105 Resp: 15568
Ion Ratio Lower Upper
105 100
120 26.2 20.6 30.8
77 19.2 13.5 20.3

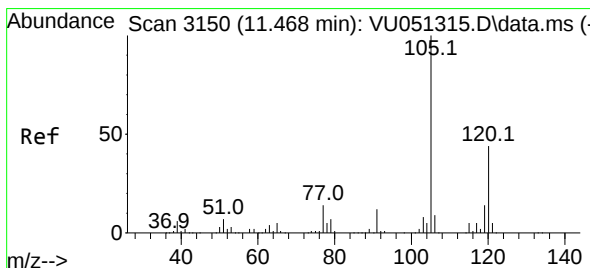
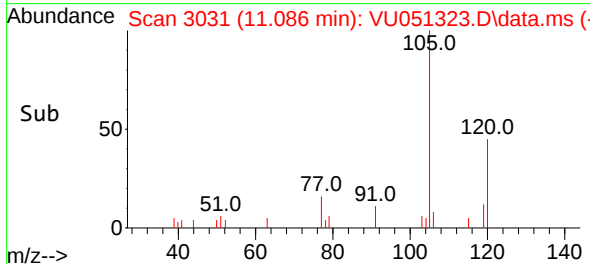
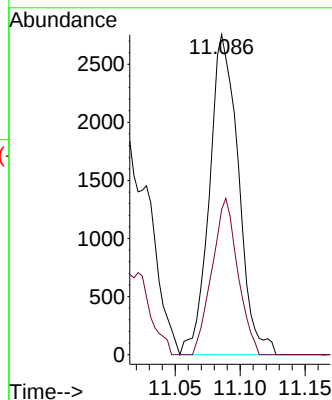
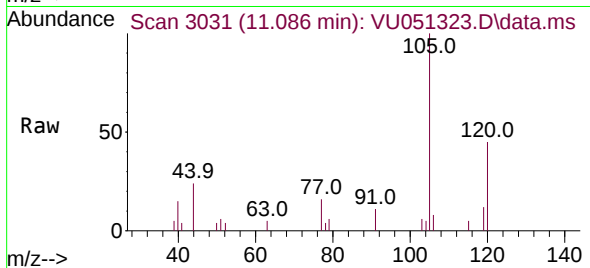




#62
 1,3,5-Trimethylbenzene
 Concen: 0.266 ug/L
 RT: 11.086 min Scan# 3032
 Delta R.T. -0.003 min
 Lab File: VU051323.D
 Acq: 10 Oct 2022 13:35

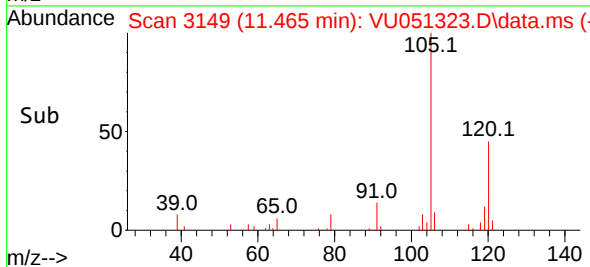
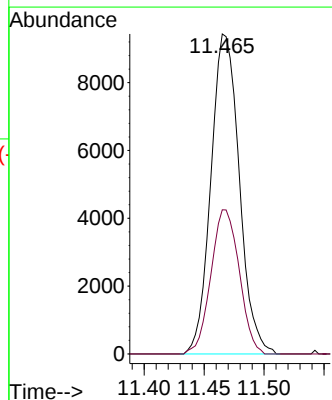
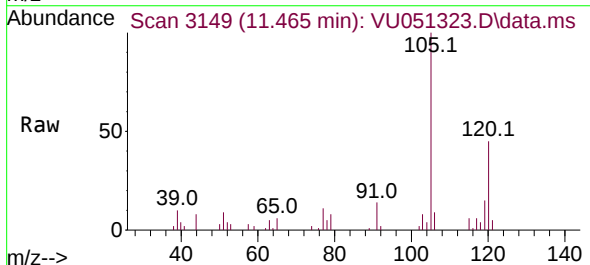
Instrument :
 MSVOA_U
 ClientSampleId :

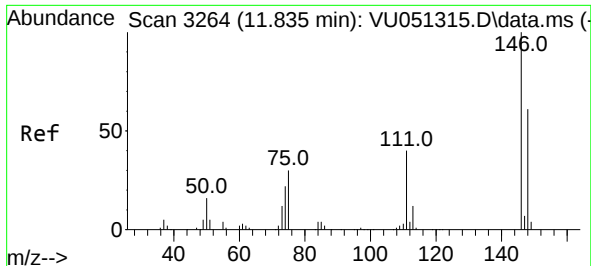
Tgt Ion:105 Resp: 4278
 Ion Ratio Lower Upper
 105 100
 120 43.4 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.341 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051323.D
 Acq: 10 Oct 2022 13:35

Tgt Ion:105 Resp: 15520
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.6 53.4

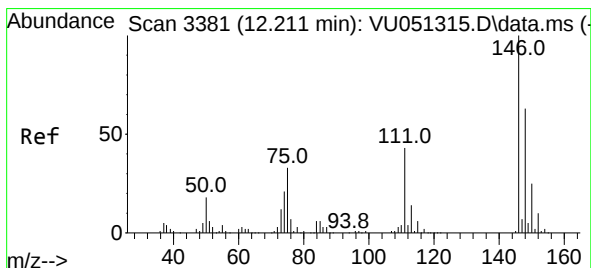
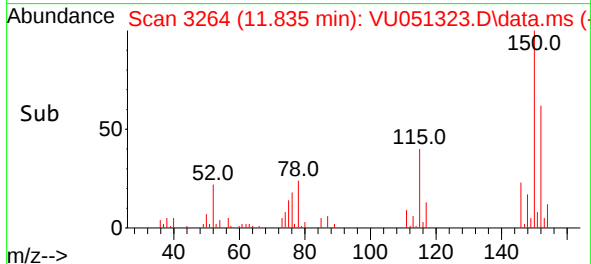
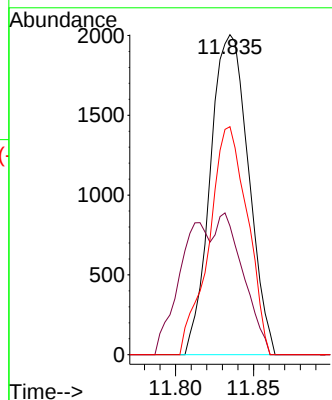
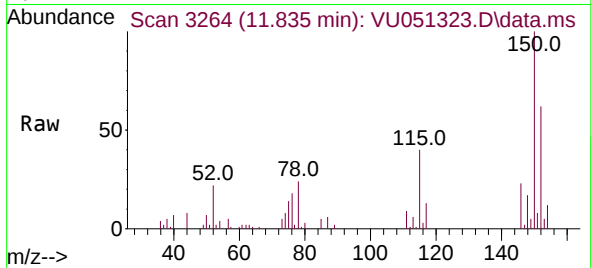




#65
 1,4-Dichlorobenzene
 Concen: 0.116 ug/L
 RT: 11.835 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU051323.D
 Acq: 10 Oct 2022 13:35

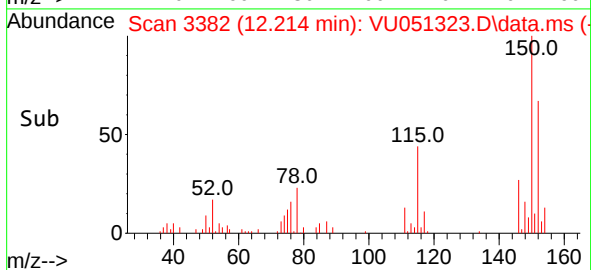
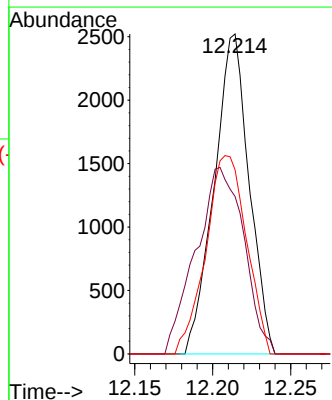
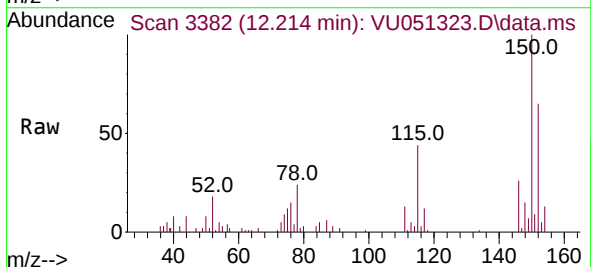
Instrument :
 MSVOA_U
 ClientSampleId :

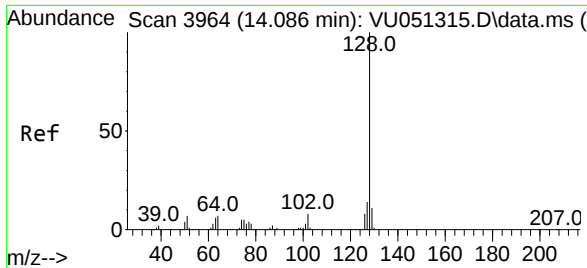
Tgt Ion:146 Resp: 3420
 Ion Ratio Lower Upper
 146 100
 111 40.2 29.1 54.1
 148 71.3 44.2 82.0



#67
 1,2-Dichlorobenzene
 Concen: 0.135 ug/L
 RT: 12.214 min Scan# 3382
 Delta R.T. 0.003 min
 Lab File: VU051323.D
 Acq: 10 Oct 2022 13:35

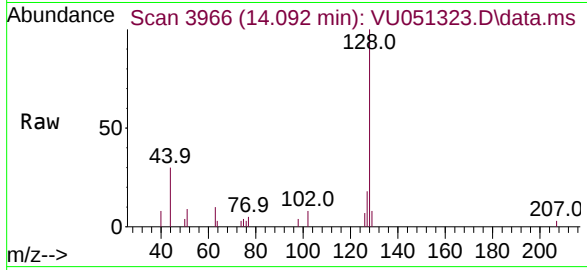
Tgt Ion:146 Resp: 3929
 Ion Ratio Lower Upper
 146 100
 111 49.2 35.5 53.3
 148 57.5 50.9 76.3





#71
Naphthalene
Concen: 0.266 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU051323.D
Acq: 10 Oct 2022 13:35

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 7249
Ion Ratio Lower Upper
128 100
129 5.6 8.5 12.7#
127 14.5 11.1 16.7

