

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051535.D
 Acq On : 27 Oct 2022 05:29
 Operator : JC/MD
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK125

Quant Time: Oct 27 08:28:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 08:11:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	350064	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	340195	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	168218	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	109933	3.893	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.800%
7) Chloroethane-d5	1.909	69	96857	3.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.565	65	42354	3.794	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	4.620	46	320368	51.531	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.060%
24) Chloroform-d	5.060	84	195897	3.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
26) 1,2-Dichloroethane-d4	5.700	65	103075	3.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
32) Benzene-d6	5.726	84	419550	4.483	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
36) 1,2-Dichloropropane-d6	6.690	67	135949	4.277	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.896	98	352744	4.213	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.179	79	38886	3.724	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.629	63	271144	77.044	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	154.080%#
56) 1,1,2,2-Tetrachloroeth...	10.755	84	115190	4.537	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	132811	4.542	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
8) Chloroethane	1.912	64	2868	0.114	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	2070	0.076	ug/L #	54
16) Methylene chloride	3.044	84	15654	0.415	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	26807	0.901	ug/L	93
33) Benzene	5.774	78	157939	1.391	ug/L	100
35) Methylcyclohexane	6.690	83	29897	0.836	ug/L #	17
37) 1,2-Dichloropropane	6.687	63	13668	0.439	ug/L #	88
42) Toluene	7.967	91	688595	5.712	ug/L	100
51) Chlorobenzene	9.446	112	44098	0.612	ug/L	98
52) Ethylbenzene	9.568	91	114133	1.054	ug/L	91
53) m,p-Xylene	9.690	106	120257	2.862	ug/L	97
54) o-Xylene	10.099	106	32063	0.807	ug/L	95
55) Styrene	10.105	104	3395	0.050	ug/L #	1
60) Isopropylbenzene	10.481	105	10637	0.100	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	20008	0.708	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	90489	1.132	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	6339	0.122	ug/L	90
67) 1,2-Dichlorobenzene	12.211	146	8304	0.162	ug/L	96
71) Naphthalene	14.089	128	43445	0.905	ug/L	97

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Response via : Initial Calibration

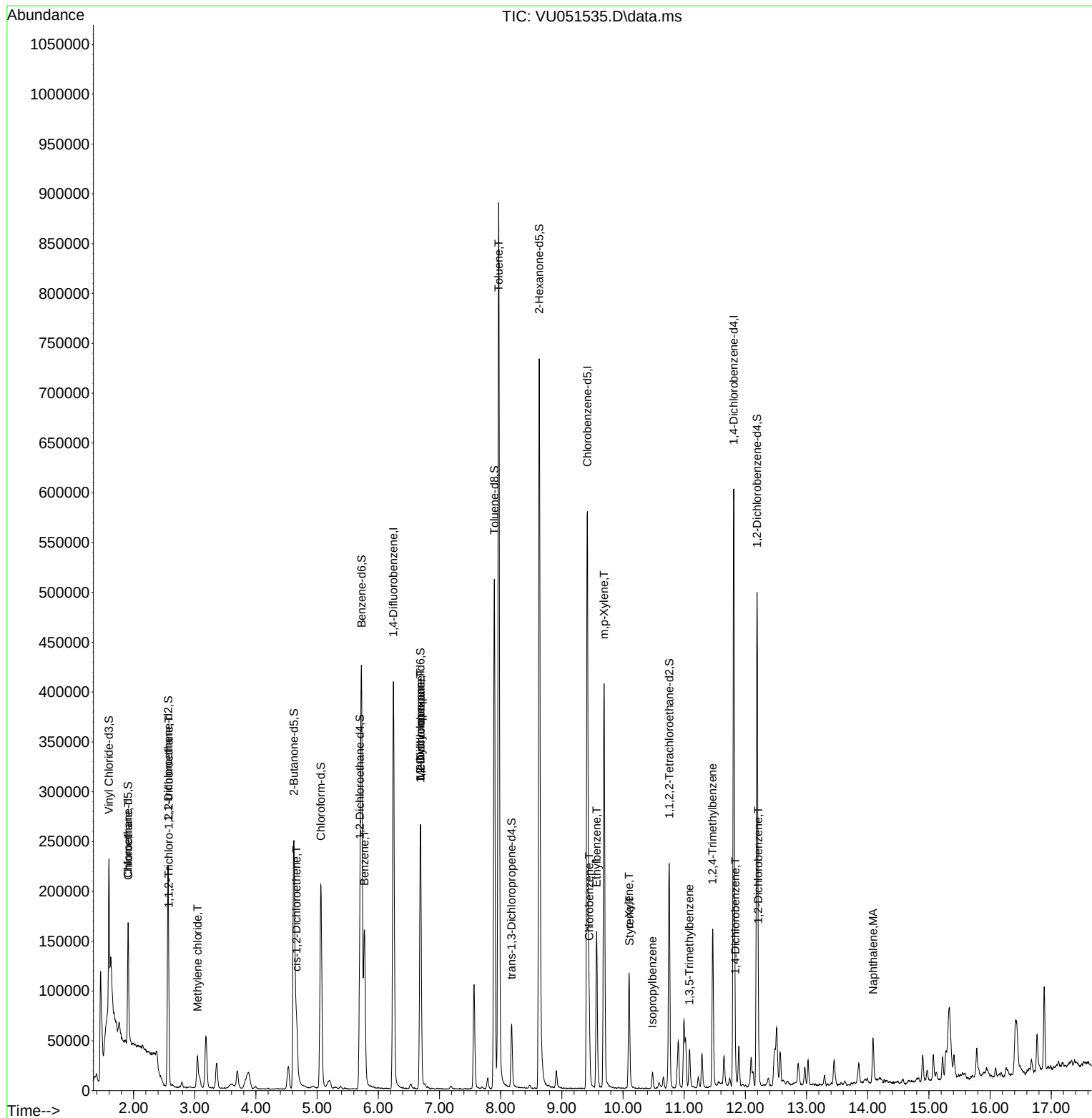
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

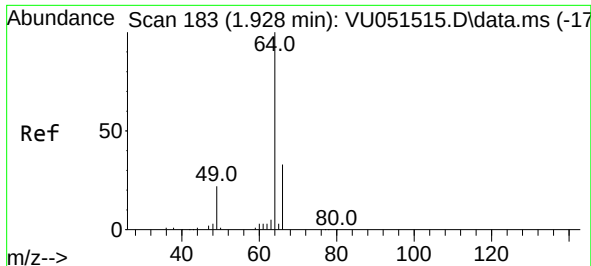
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.114 ug/L

RT: 1.912 min Scan# 1

Delta R.T. -0.016 min

Lab File: VU051535.D

Acq: 27 Oct 2022 05:29

Instrument :

MSVOA_U

ClientSampleId :

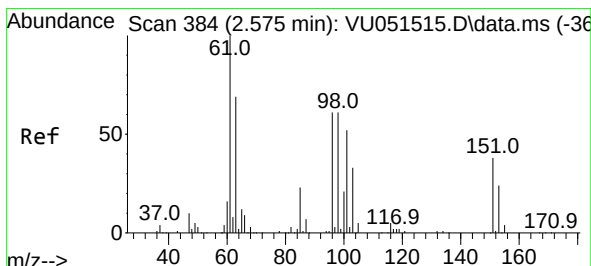
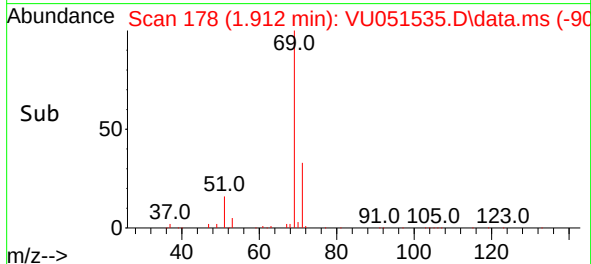
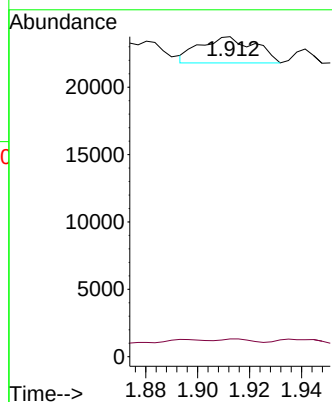
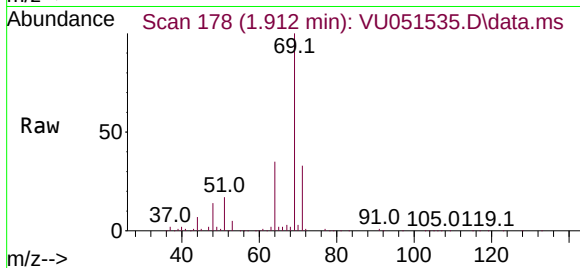
VIBLK125

Tgt Ion: 64 Resp: 2868

Ion Ratio Lower Upper

64 100

66 5.5 22.3 41.3#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.076 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU051535.D

Acq: 27 Oct 2022 05:29

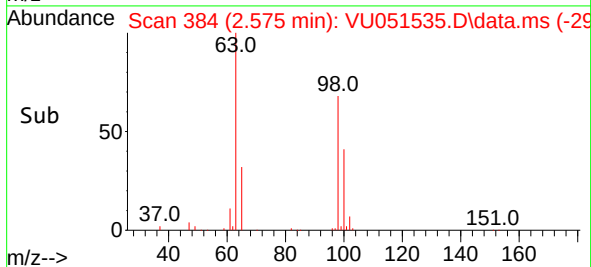
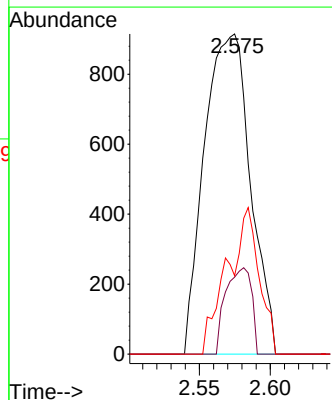
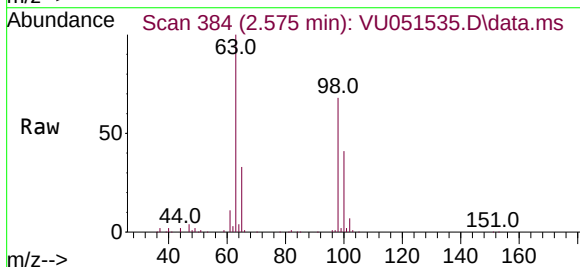
Tgt Ion: 101 Resp: 2070

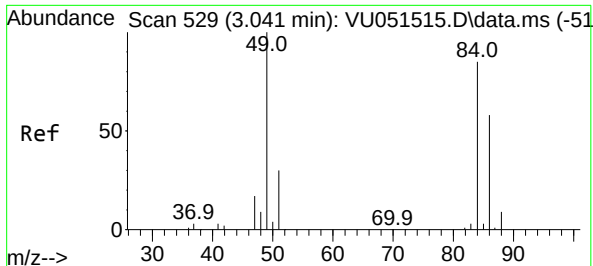
Ion Ratio Lower Upper

101 100

85 15.1 34.6 51.8#

151 31.9 56.5 84.7#

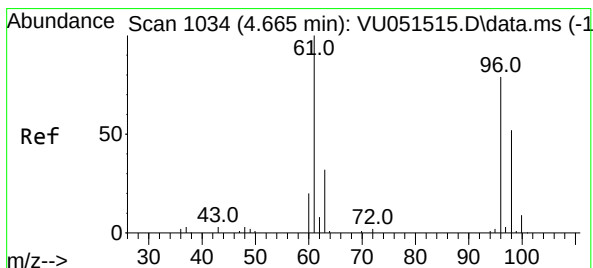
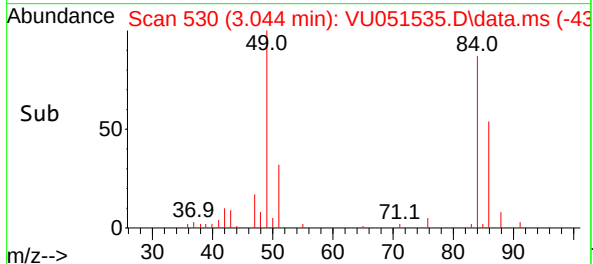
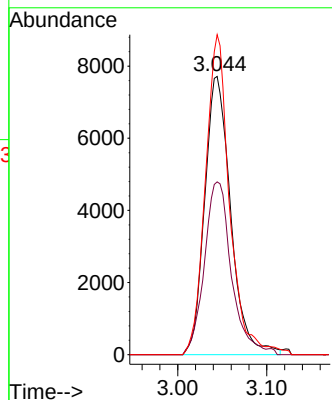
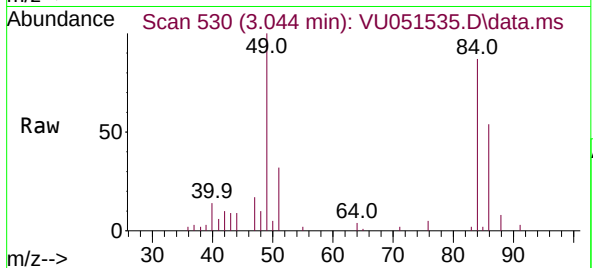




#16
Methylene chloride
Concen: 0.415 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

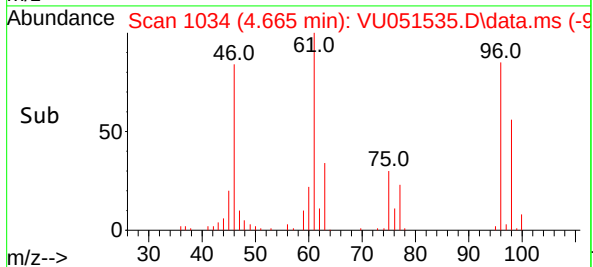
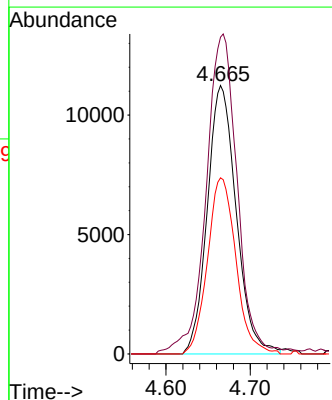
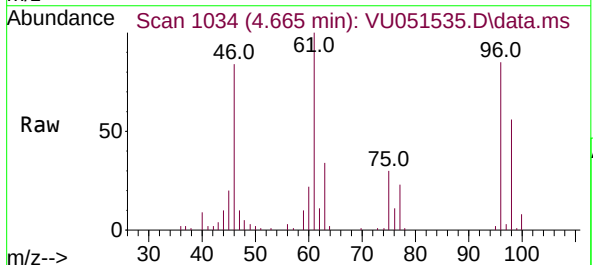
Instrument :
MSVOA_U
ClientSampleId :
VIBLK125

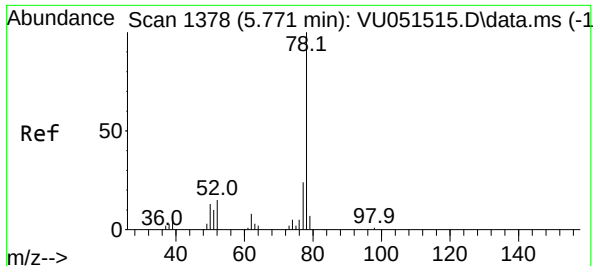
Tgt Ion: 84 Resp: 15654
Ion Ratio Lower Upper
84 100
86 62.1 46.5 86.3
49 115.0 81.3 151.1



#22
cis-1,2-Dichloroethene
Concen: 0.901 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

Tgt Ion: 96 Resp: 26807
Ion Ratio Lower Upper
96 100
61 118.0 90.6 168.2
98 65.6 47.5 88.3

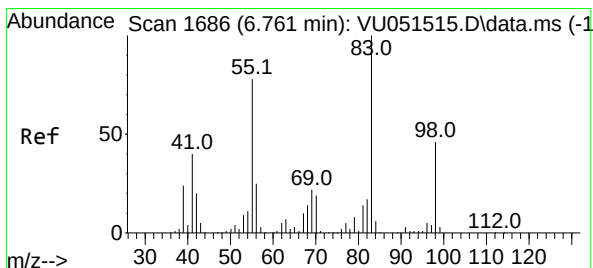
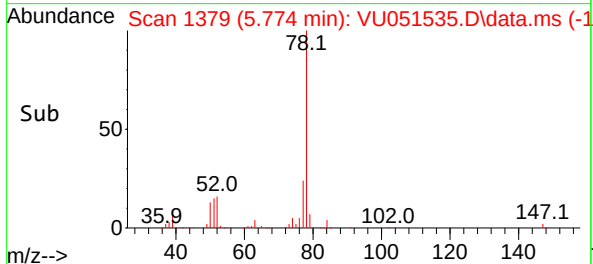
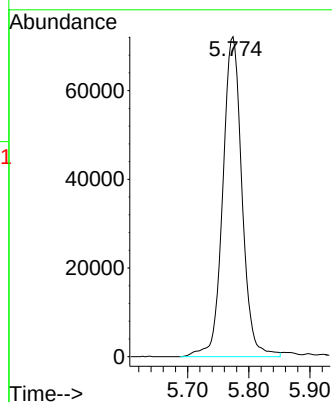
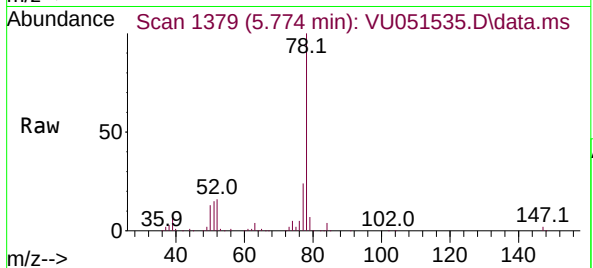




#33
Benzene
Concen: 1.391 ug/L
RT: 5.774 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

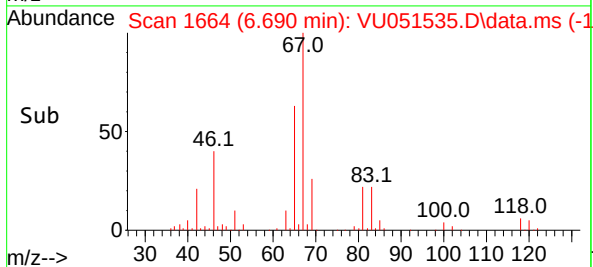
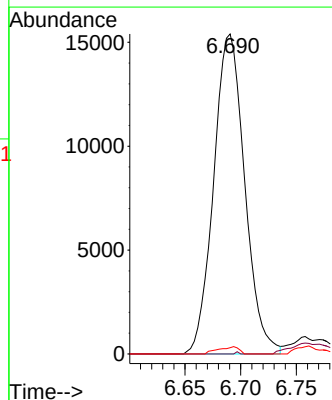
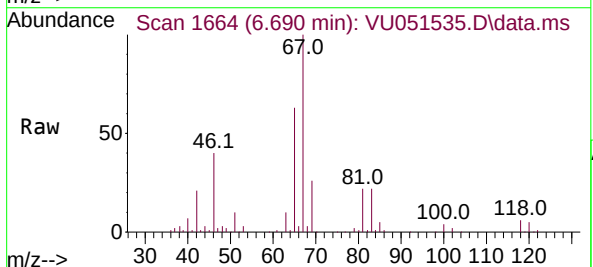
Instrument :
MSVOA_U
ClientSampleId :
VIBLK125

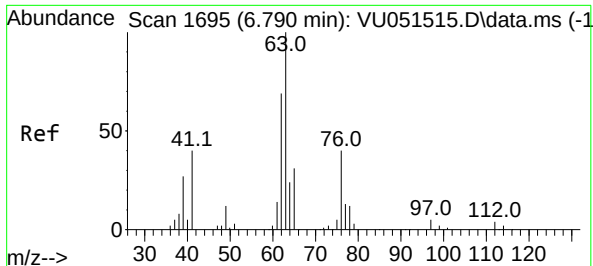
Tgt Ion: 78 Resp: 157939



#35
Methylcyclohexane
Concen: 0.836 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

Tgt Ion: 83 Resp: 29897
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.6#
98 1.5 35.9 53.9#





#37

1,2-Dichloropropane

Concen: 0.439 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU051535.D

Acq: 27 Oct 2022 05:29

Instrument :

MSVOA_U

ClientSampleId :

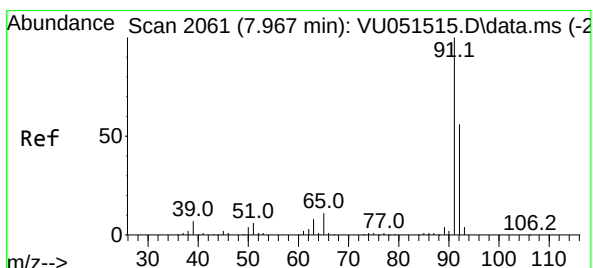
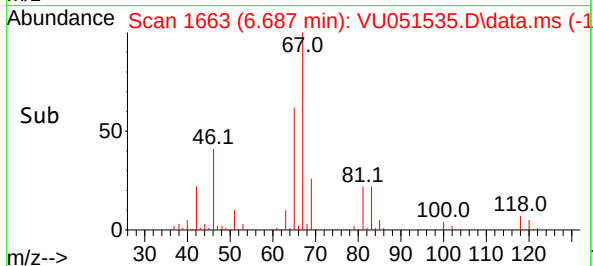
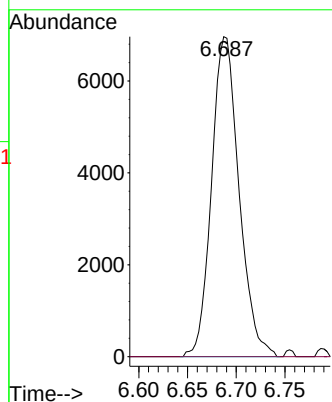
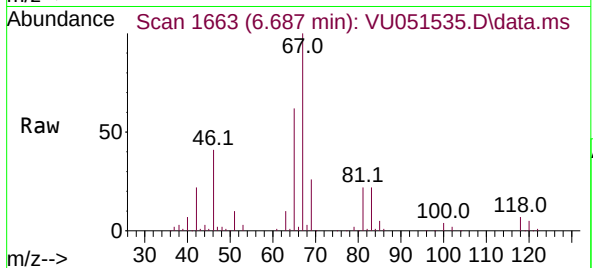
VIBLK125

Tgt Ion: 63 Resp: 13668

Ion Ratio Lower Upper

63 100

112 0.1 3.2 4.8#



#42

Toluene

Concen: 5.712 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051535.D

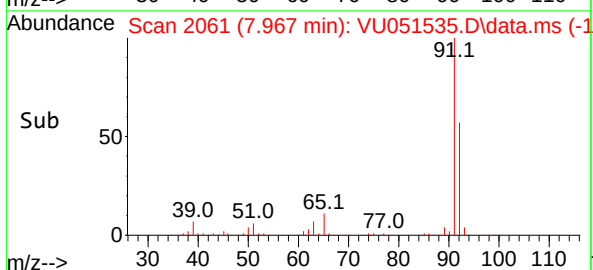
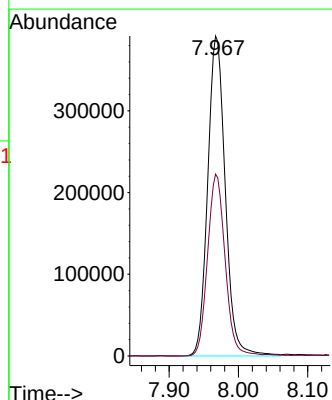
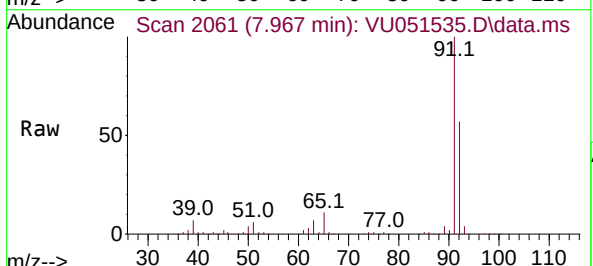
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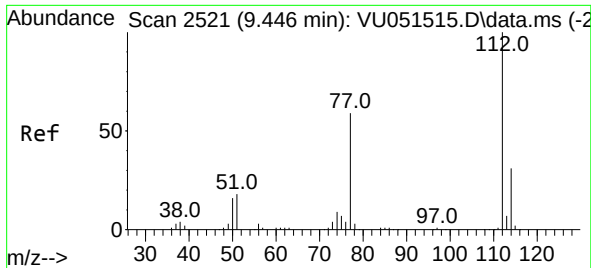
Tgt Ion: 91 Resp: 688595

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1

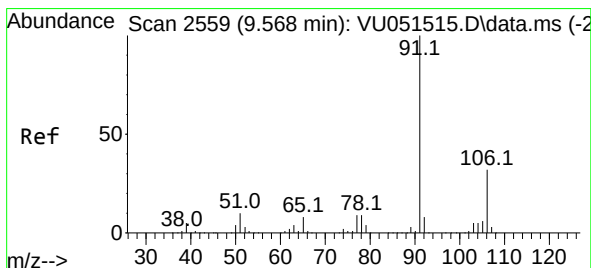
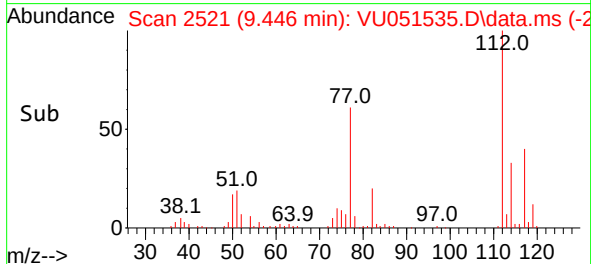
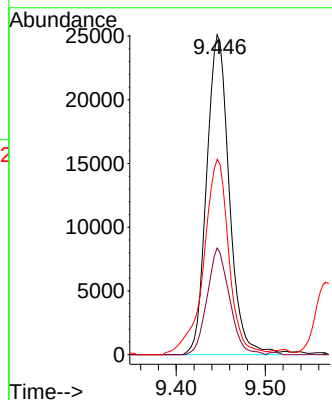
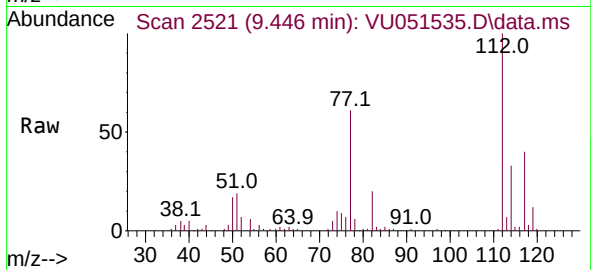




#51
Chlorobenzene
Concen: 0.612 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

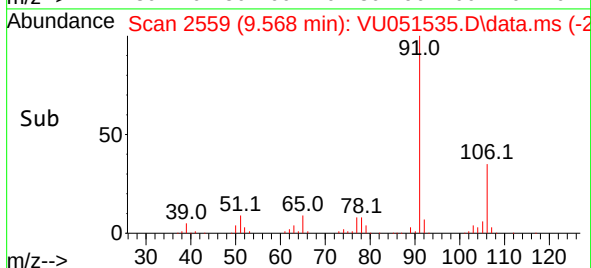
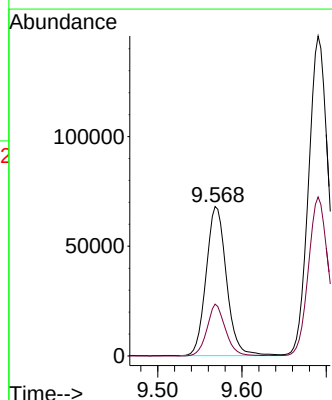
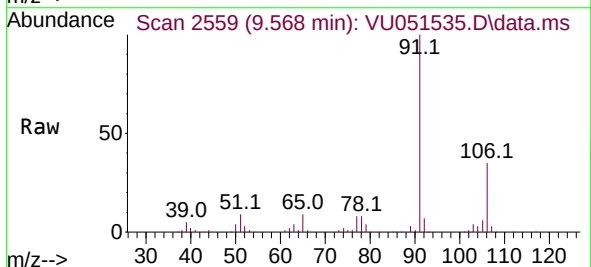
Instrument :
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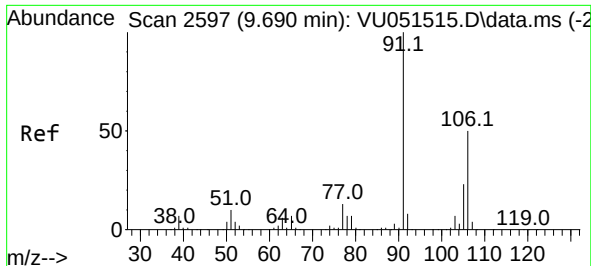
Tgt Ion:112 Resp: 44098
Ion Ratio Lower Upper
112 100
114 33.3 22.3 41.5
77 61.1 48.1 72.1



#52
Ethylbenzene
Concen: 1.054 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

Tgt Ion: 91 Resp: 114133
Ion Ratio Lower Upper
91 100
106 34.7 20.9 38.7





#53

m,p-Xylene

Concen: 2.862 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. 0.000 min

Lab File: VU051535.D

Acq: 27 Oct 2022 05:29

Instrument :

MSVOA_U

ClientSampleId :

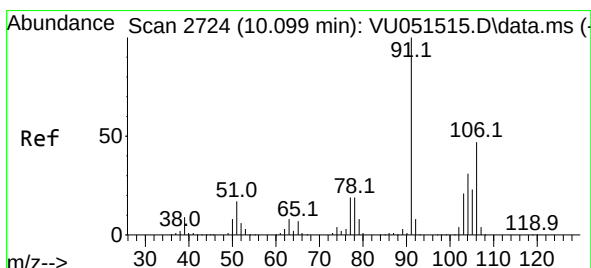
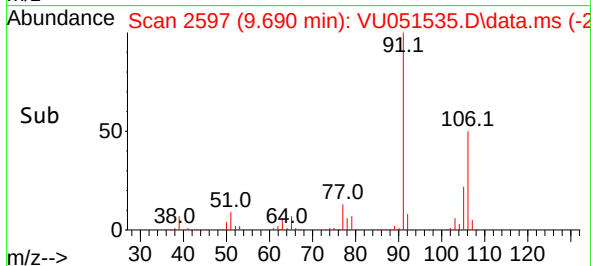
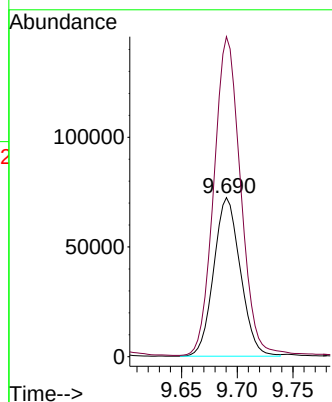
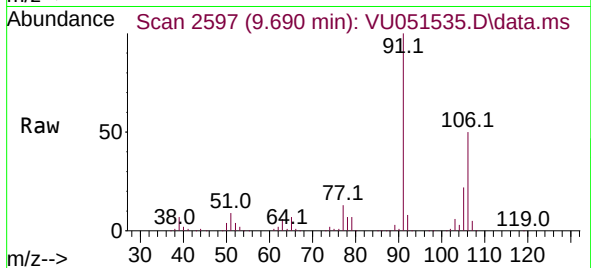
VIBLK125

Tgt Ion:106 Resp: 120257

Ion Ratio Lower Upper

106 100

91 201.2 143.9 267.3



#54

o-Xylene

Concen: 0.807 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU051535.D

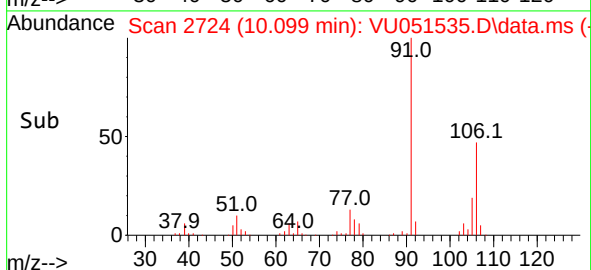
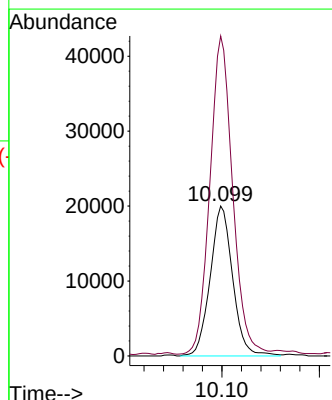
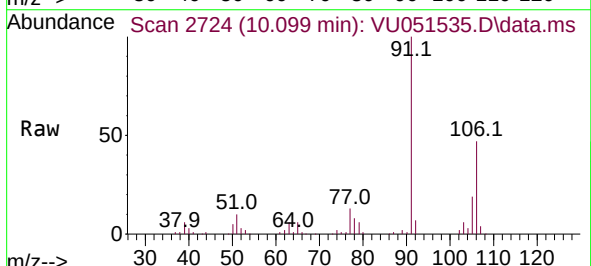
Acq: 27 Oct 2022 05:29

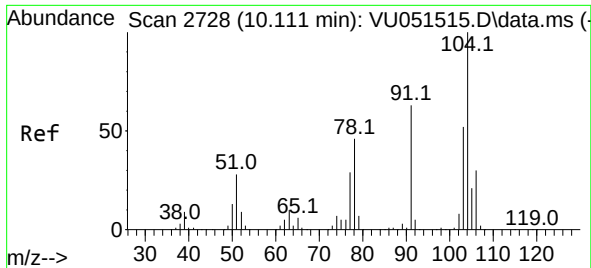
Tgt Ion:106 Resp: 32063

Ion Ratio Lower Upper

106 100

91 213.3 154.4 286.8

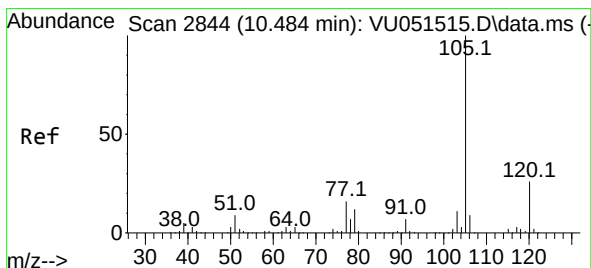
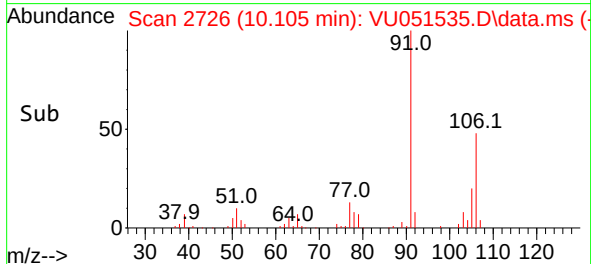
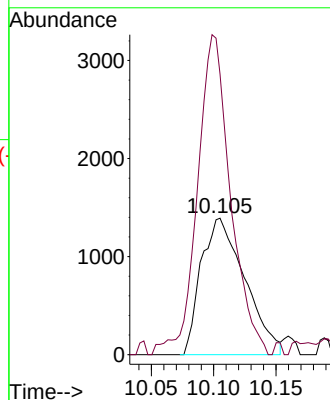
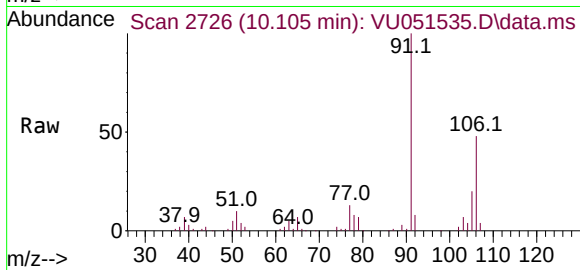




#55
Styrene
Concen: 0.050 ug/L
RT: 10.105 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

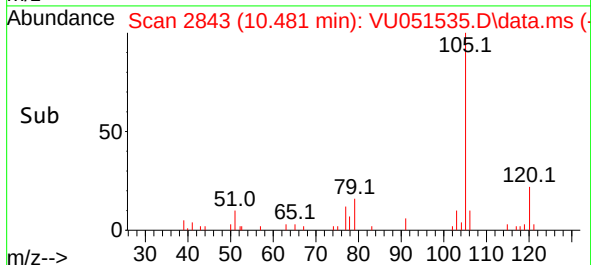
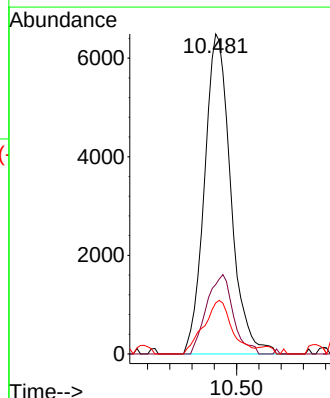
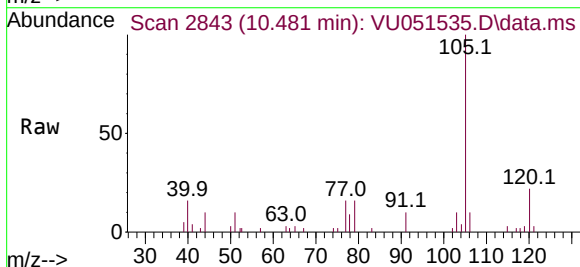
Instrument :
MSVOA_U
ClientSampleId :
VIBLK125

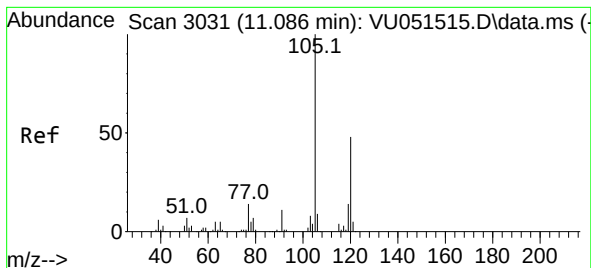
Tgt Ion:104 Resp: 3395
Ion Ratio Lower Upper
104 100
78 205.6 32.1 59.7#



#60
Isopropylbenzene
Concen: 0.100 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

Tgt Ion:105 Resp: 10637
Ion Ratio Lower Upper
105 100
120 25.1 20.6 30.8
77 18.0 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 0.708 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051535.D

Acq: 27 Oct 2022 05:29

Instrument :

MSVOA_U

ClientSampleId :

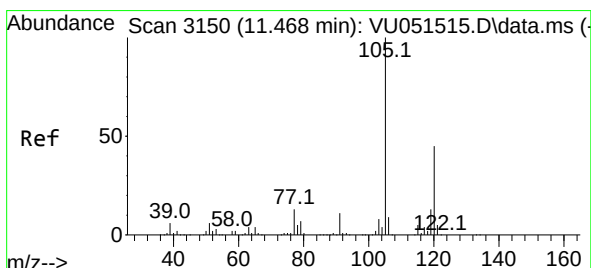
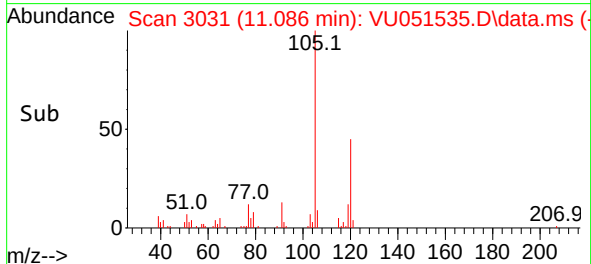
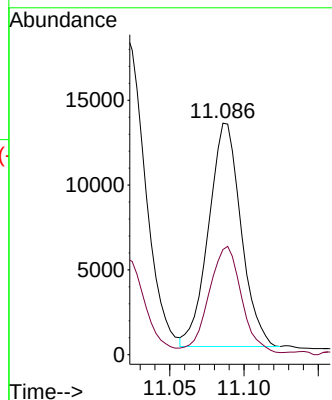
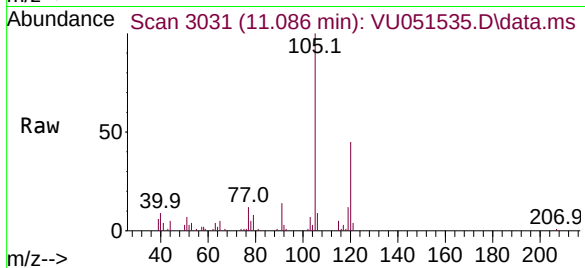
VIBLK125

Tgt Ion:105 Resp: 20008

Ion Ratio Lower Upper

105 100

120 47.6 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 1.132 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU051535.D

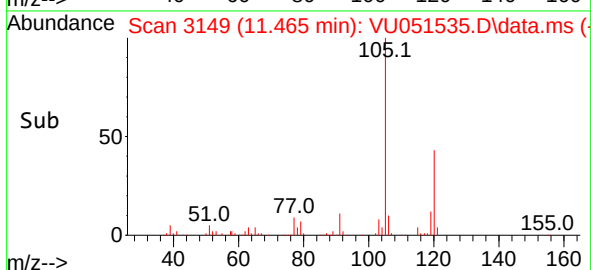
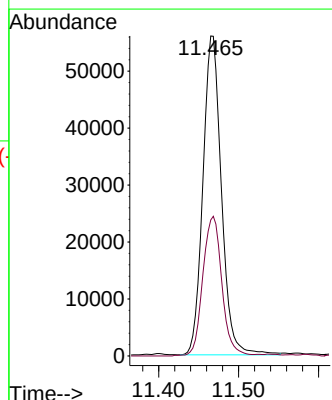
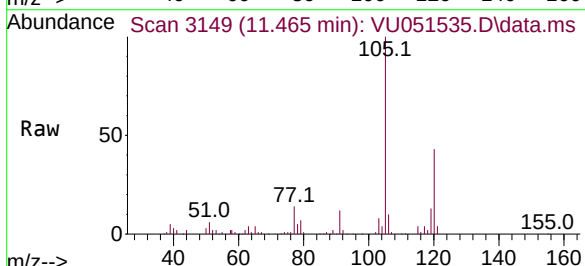
Acq: 27 Oct 2022 05:29

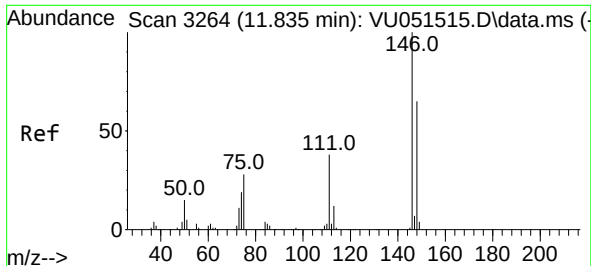
Tgt Ion:105 Resp: 90489

Ion Ratio Lower Upper

105 100

120 44.9 35.6 53.4

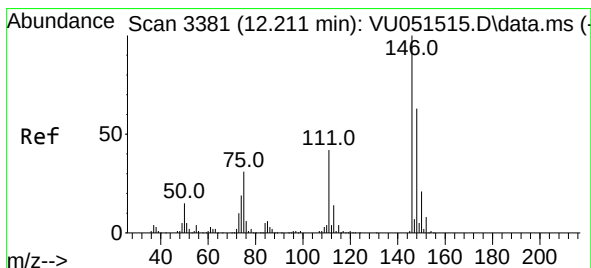
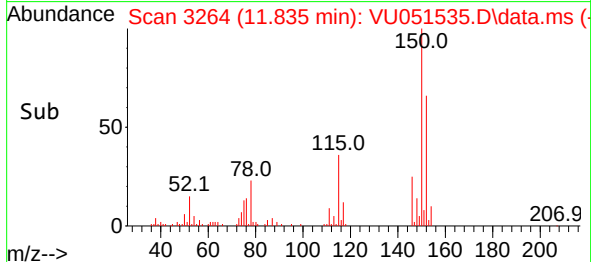
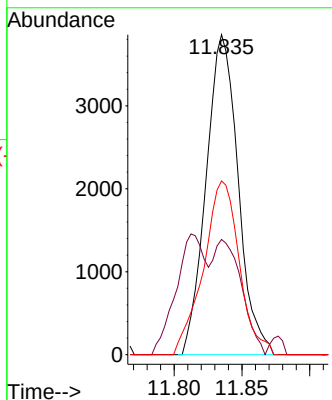
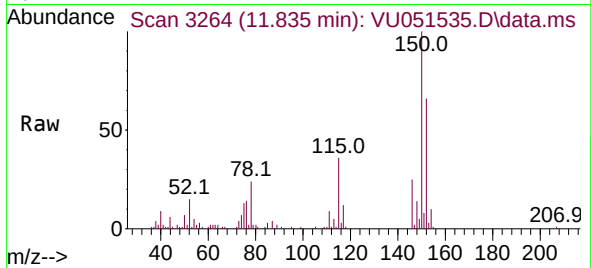




#65
1,4-Dichlorobenzene
Concen: 0.122 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

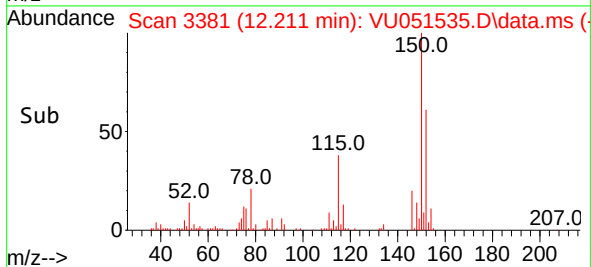
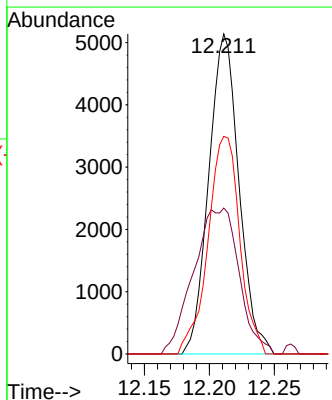
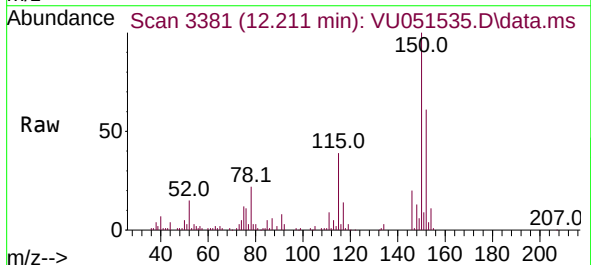
Instrument :
MSVOA_U
ClientSampleId :
VIBLK125

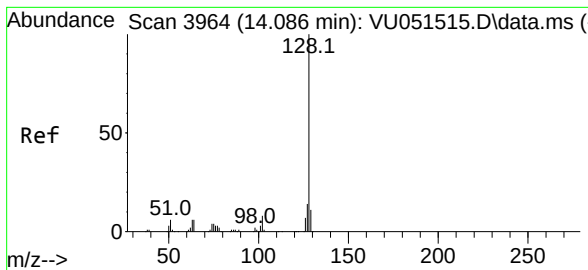
Tgt Ion:146 Resp: 6339
Ion Ratio Lower Upper
146 100
111 36.0 29.1 54.1
148 54.3 44.2 82.0



#67
1,2-Dichlorobenzene
Concen: 0.162 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

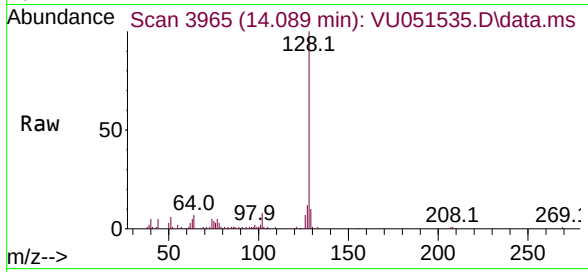
Tgt Ion:146 Resp: 8304
Ion Ratio Lower Upper
146 100
111 45.6 35.5 53.3
148 68.0 50.9 76.3





#71
Naphthalene
Concen: 0.905 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU051535.D
Acq: 27 Oct 2022 05:29

Instrument :
MSVOA_U
ClientSampleId :
VIBLK125



Tgt Ion:	128	Resp:	43445
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.5	12.7
127	12.0	11.1	16.7

