

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U080422\
 Data File : U080422.D
 Acq On : 04 Aug 2022 20:58
 Operator : SY/MD
 Sample : N4022-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5D96

Quant Time: Aug 05 04:56:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 05 04:52:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	78863	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	77311	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	34024	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31132	4.744	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.912	69	26182	4.945	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.562	65	12263	4.781	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.639	46	87624	54.749	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.500%
24) Chloroform-d	5.063	84	62382	5.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.703	65	32585	5.199	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.726	84	125758	5.213	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
36) 1,2-Dichloropropane-d6	6.690	67	42254	5.318	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.400%
41) Toluene-d8	7.899	98	98423	4.619	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.179	79	13848	4.864	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.200%
46) 2-Hexanone-d5	8.636	63	53871	53.359	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.720%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	38206	5.476	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	36743	5.512	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	14628	1.727	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	335	0.065	ug/L #	22
18) trans-1,2-Dichloroethene	3.353	96	8823	1.446	ug/L	90
22) cis-1,2-Dichloroethene	4.665	96	4536	0.670	ug/L	96
25) Chloroform	5.092	83	45	0.004	ug/L #	63
33) Benzene	5.774	78	13073	0.483	ug/L	100
34) Trichloroethene	6.543	95	5166	0.789	ug/L	96
35) Methylcyclohexane	6.694	83	9610	1.136	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	4053	0.562	ug/L #	89
42) Toluene	7.970	91	25553	0.941	ug/L	97
48) 2-Hexanone	8.684	43	12499	3.867	ug/L #	88
49) Dibromochloromethane	8.549	129	461	0.077	ug/L #	10
52) Ethylbenzene	9.571	91	10849	0.409	ug/L	100
53) m,p-Xylene	9.694	106	9429	0.966	ug/L	97
54) o-Xylene	10.102	106	2705	0.278	ug/L	82
60) Isopropylbenzene	11.295	105	1716	0.076	ug/L	97
61) 1,2,3-Trichloropropane	11.809	75	4236	0.914	ug/L #	55
62) 1,3,5-Trimethylbenzene	11.089	105	1650	0.257	ug/L	91
63) 1,2,4-Trimethylbenzene	11.468	105	6165	0.352	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Aug 05 04:52:21 2022
Response via : Initial Calibration

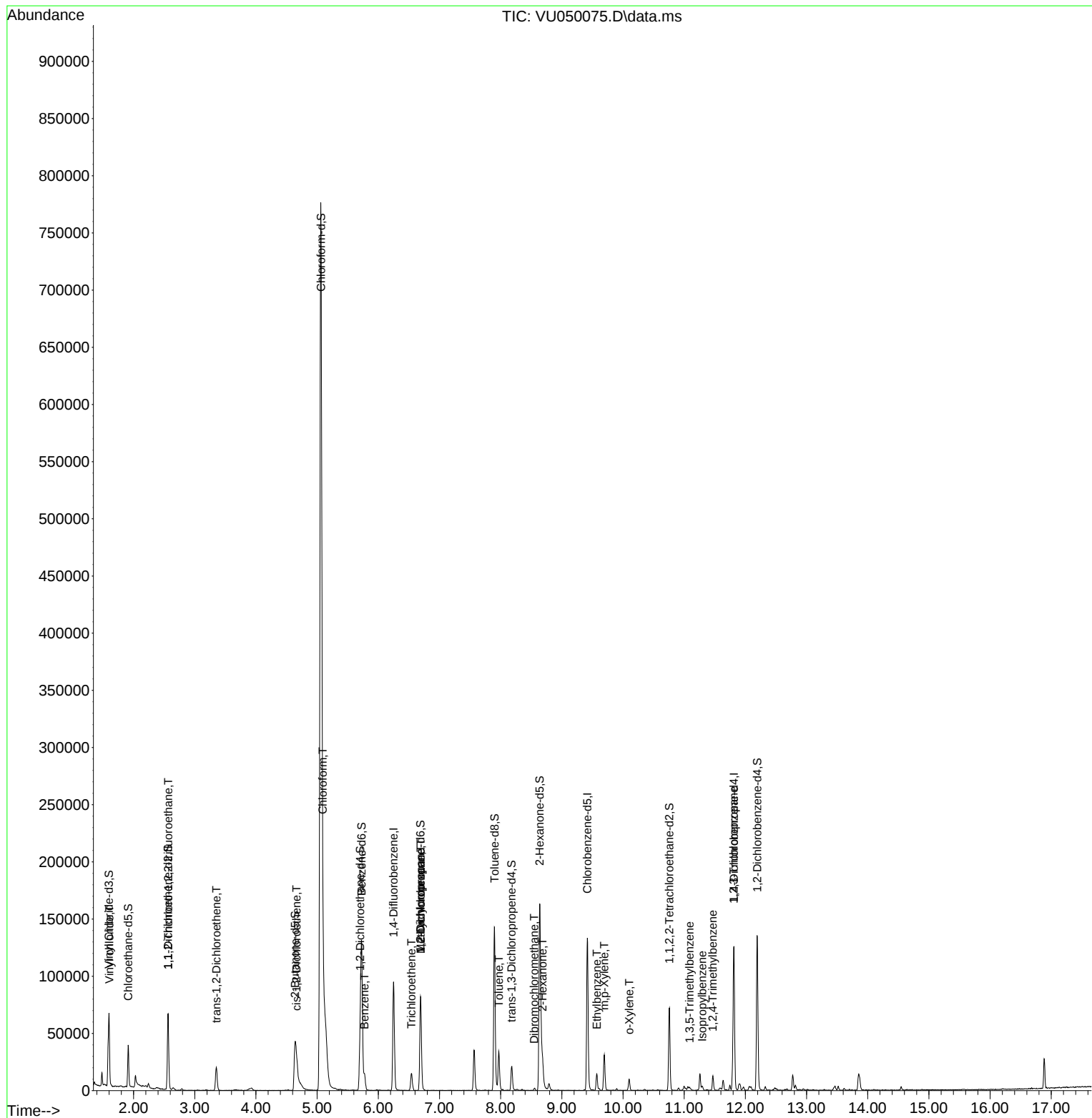
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

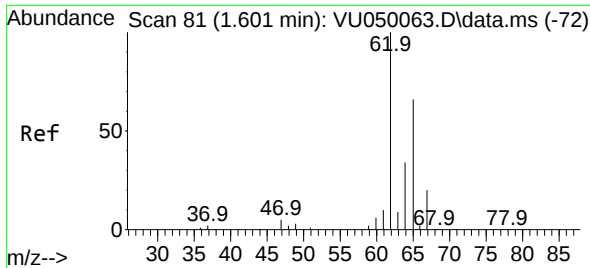
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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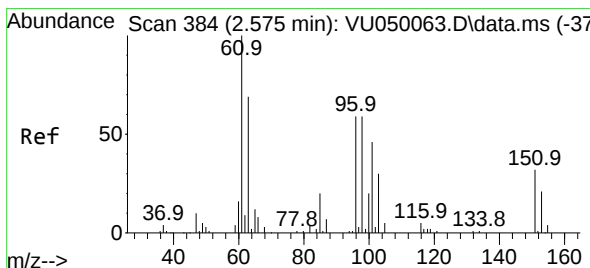
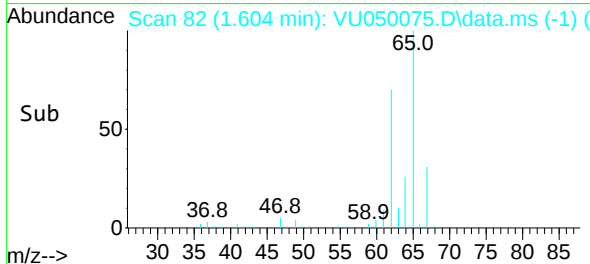
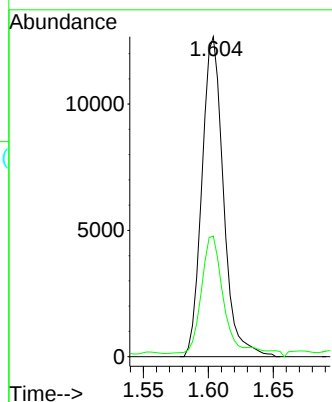
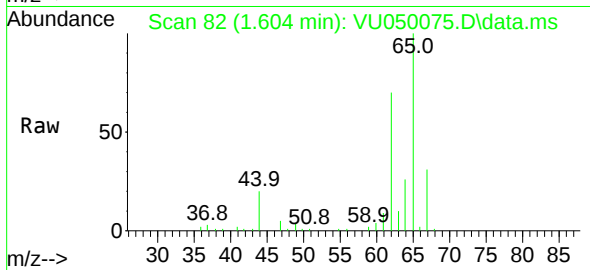




#5
 Vinyl chloride
 Concen: 1.727 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050075.D
 Acq: 04 Aug 2022 20:58

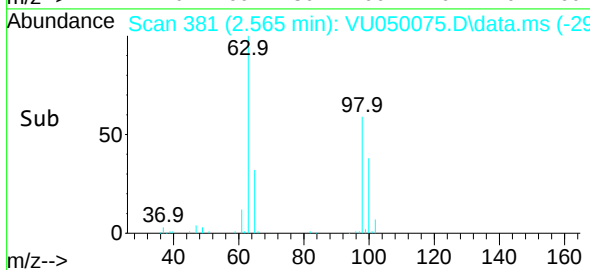
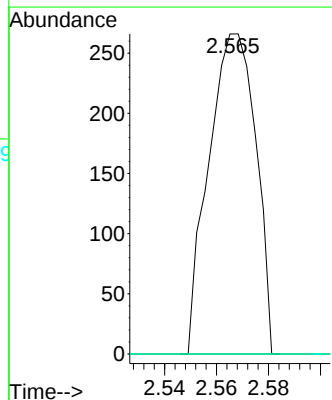
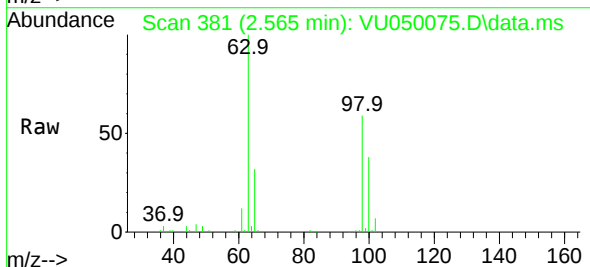
Instrument :
 MSVOA_U
 ClientSampleId :
 F5D96

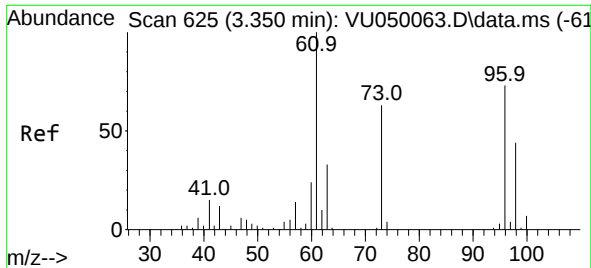
Tgt Ion: 62 Resp: 14628
 Ion Ratio Lower Upper
 62 100
 64 37.7 22.8 42.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.065 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.010 min
 Lab File: VU050075.D
 Acq: 04 Aug 2022 20:58

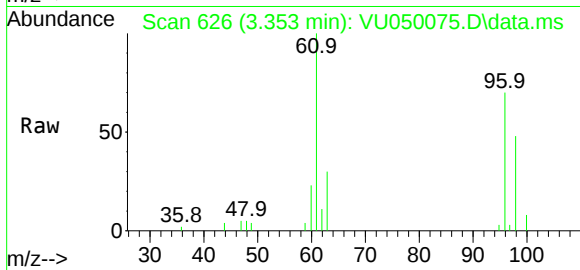
Tgt Ion: 101 Resp: 335
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 55.2 82.8#



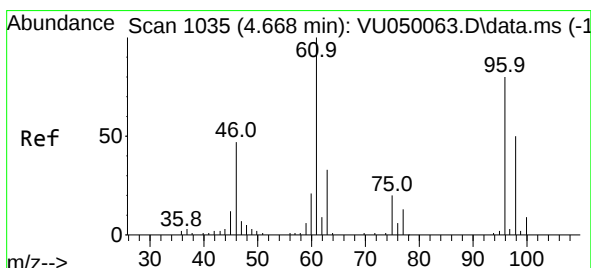
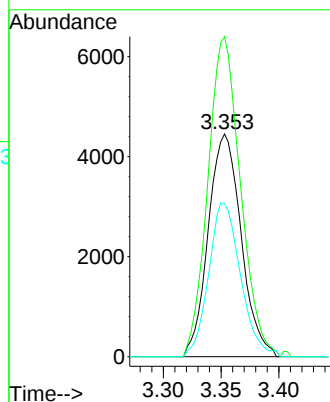
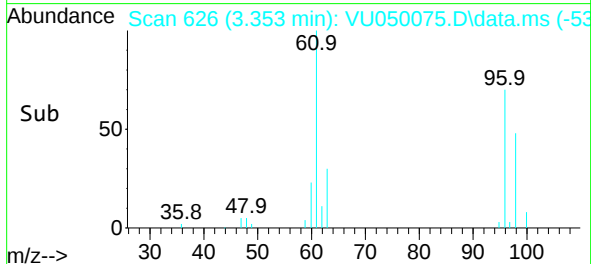


#18
trans-1,2-Dichloroethene
Concen: 1.446 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

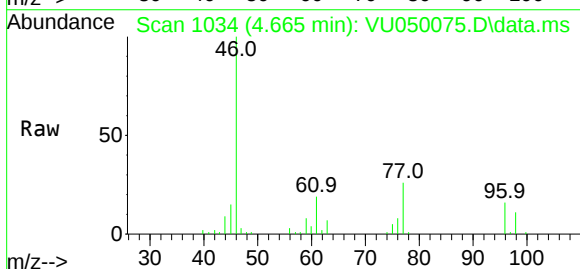
Instrument :
MSVOA_U
ClientSampleId :
F5D96



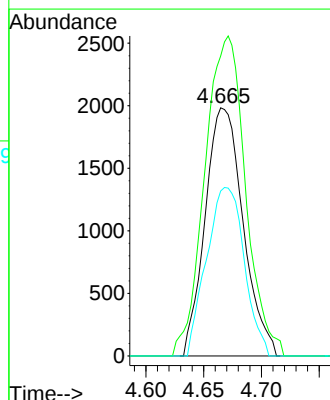
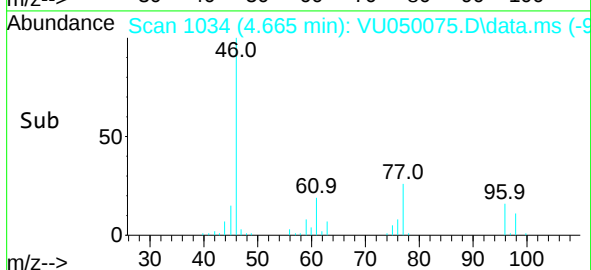
Tgt Ion: 96 Resp: 8823
Ion Ratio Lower Upper
96 100
61 143.7 92.3 171.5
98 68.9 43.2 80.2

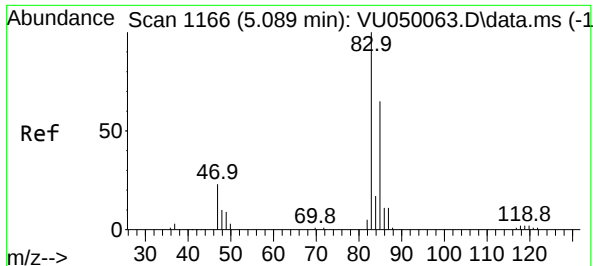


#22
cis-1,2-Dichloroethene
Concen: 0.670 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58



Tgt Ion: 96 Resp: 4536
Ion Ratio Lower Upper
96 100
61 120.9 89.0 165.4
98 66.4 45.2 84.0





#25

Chloroform

Concen: 0.004 ug/L

RT: 5.092 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU050075.D

Acq: 04 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

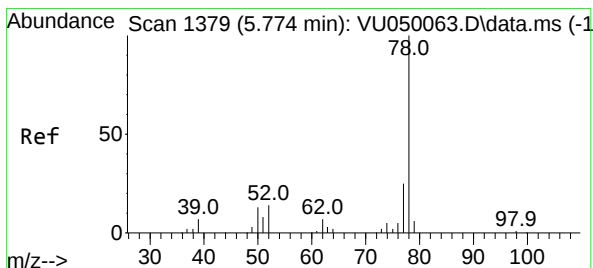
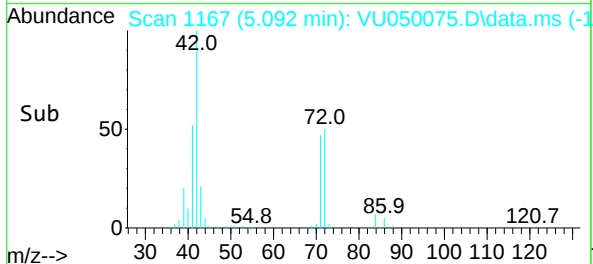
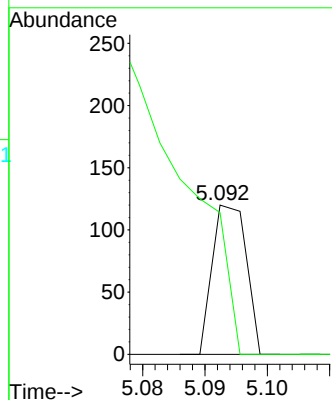
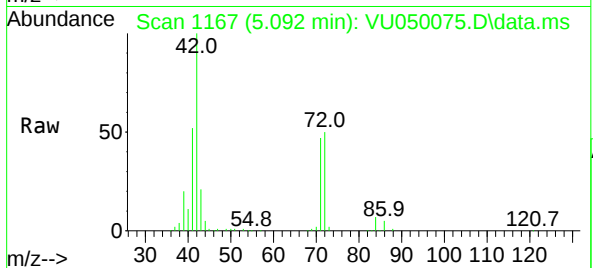
F5D96

Tgt Ion: 83 Resp: 45

Ion Ratio Lower Upper

83 100

85 95.0 46.1 85.5#



#33

Benzene

Concen: 0.483 ug/L

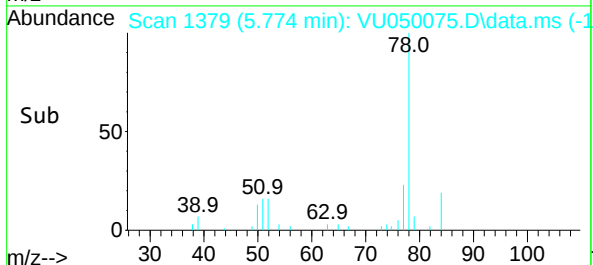
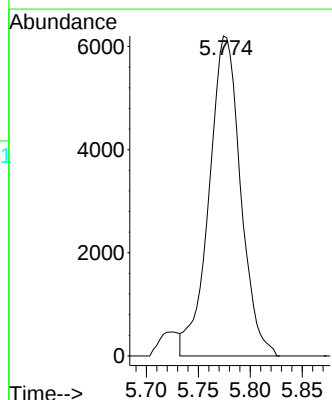
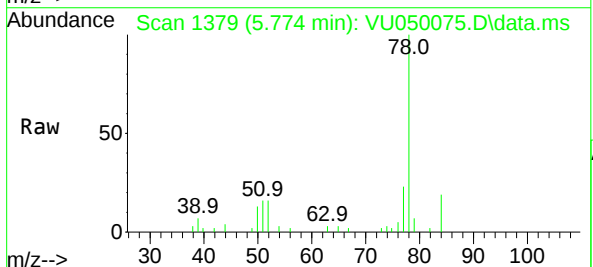
RT: 5.774 min Scan# 1379

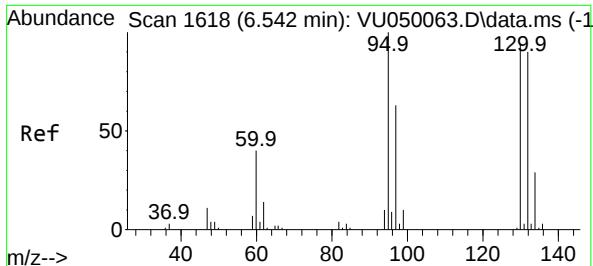
Delta R.T. 0.000 min

Lab File: VU050075.D

Acq: 04 Aug 2022 20:58

Tgt Ion: 78 Resp: 13073

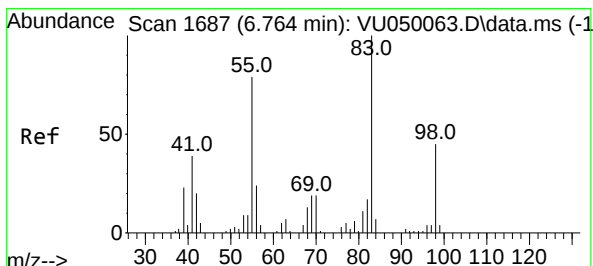
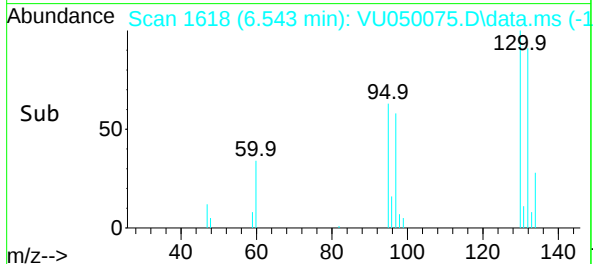
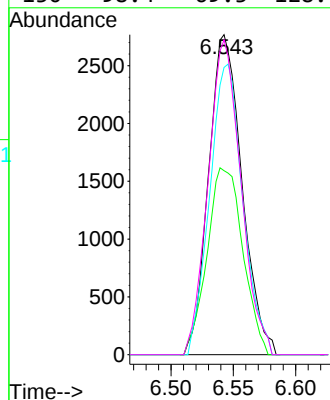
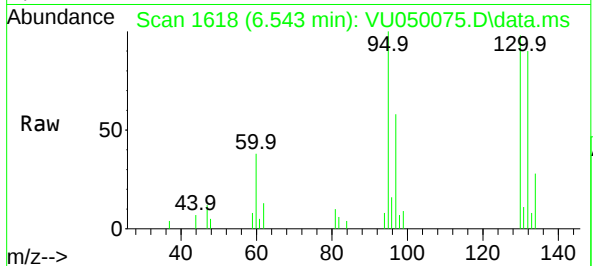




#34
Trichloroethene
Concen: 0.789 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

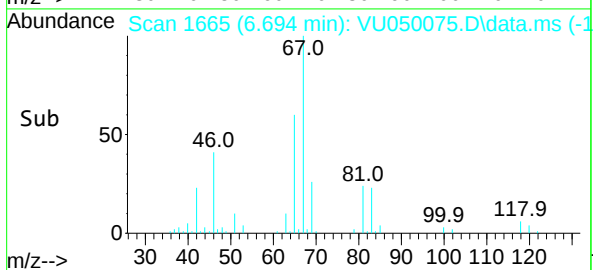
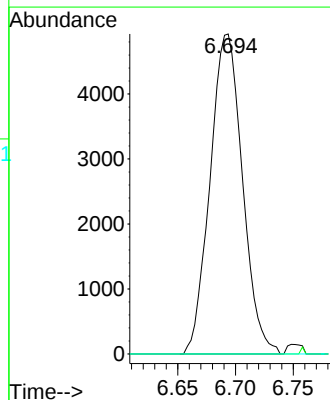
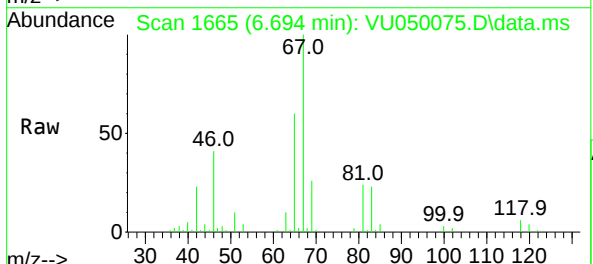
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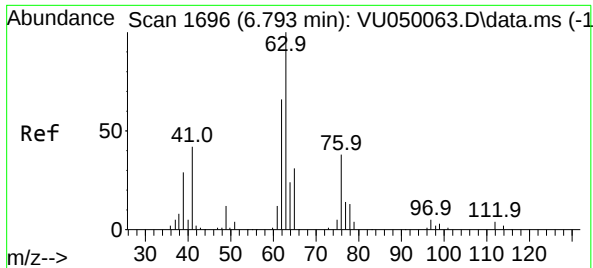
Tgt Ion: 95	Resp: 5166
Ion Ratio	Lower Upper
95 100	
97 57.5	45.6 84.8
132 89.8	65.0 120.6
130 98.4	69.3 128.7



#35
Methylcyclohexane
Concen: 1.136 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

Tgt Ion: 83	Resp: 9610
Ion Ratio	Lower Upper
83 100	
55 0.2	62.7 94.1#
98 0.3	36.2 54.2#





#37

1,2-Dichloropropane

Concen: 0.562 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU050075.D

Acq: 04 Aug 2022 20:58

Instrument :

MSVOA_U

ClientSampleId :

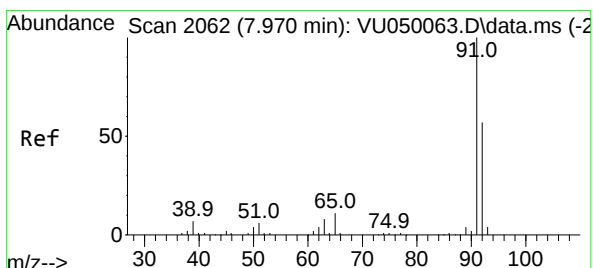
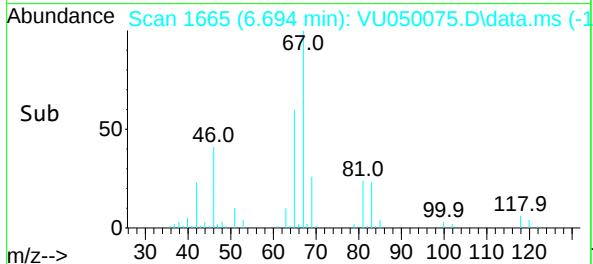
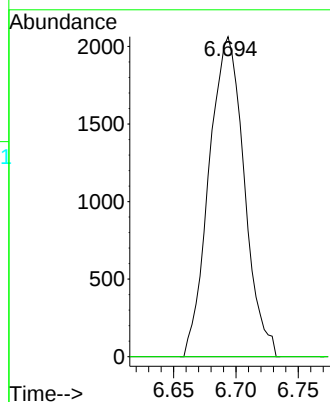
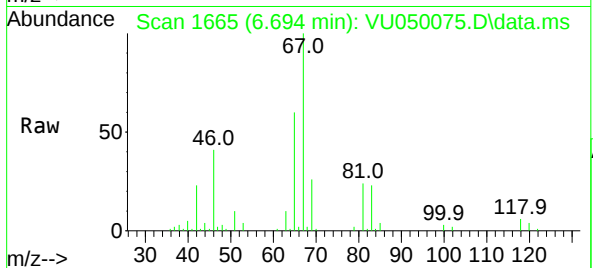
F5D96

Tgt Ion: 63 Resp: 4053

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



#42

Toluene

Concen: 0.941 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050075.D

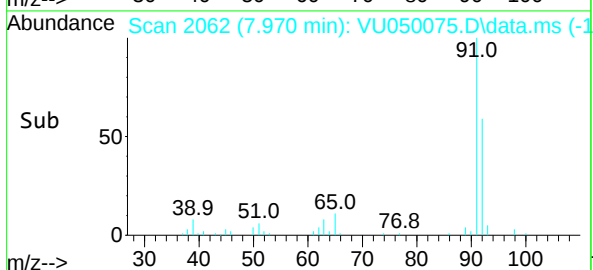
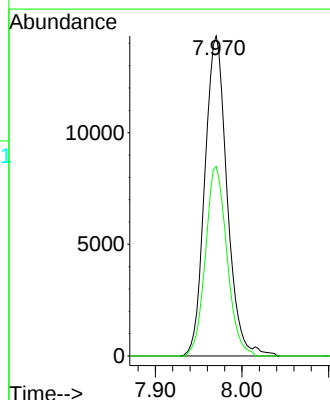
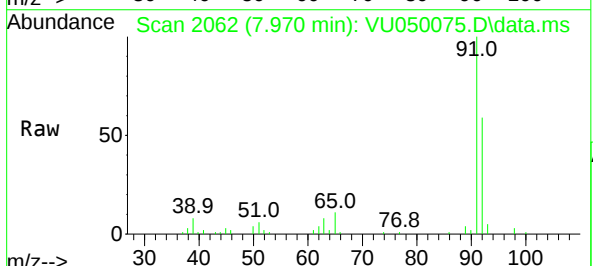
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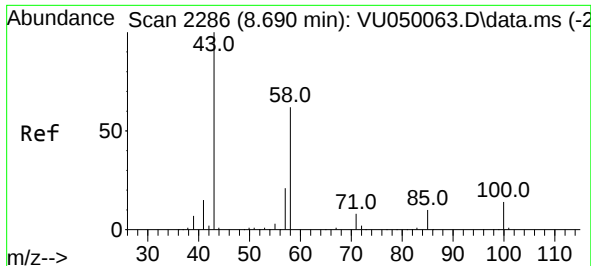
Tgt Ion: 91 Resp: 25553

Ion Ratio Lower Upper

91 100

92 59.2 39.8 74.0

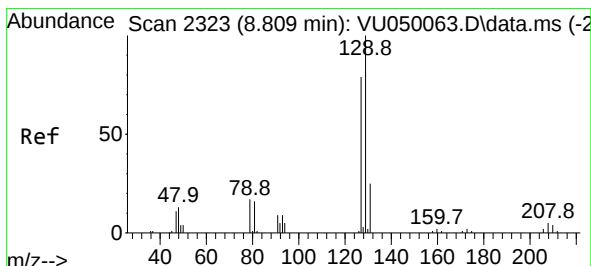
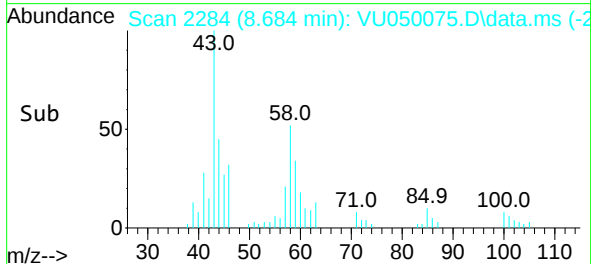
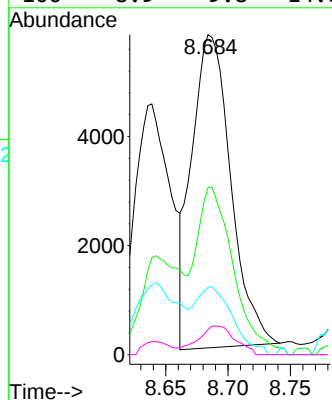
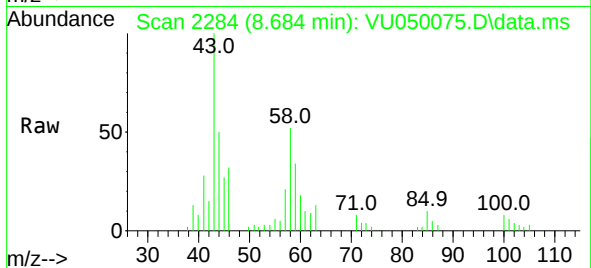




#48
2-Hexanone
Concen: 3.867 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

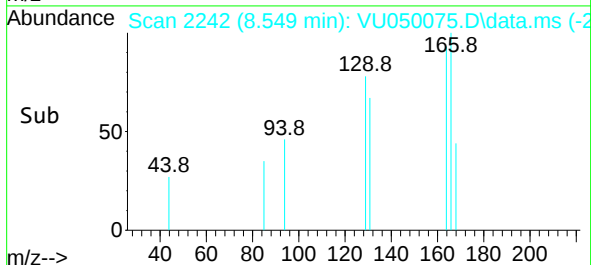
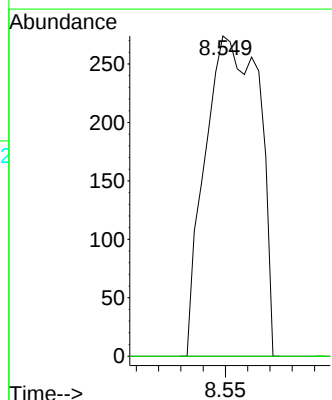
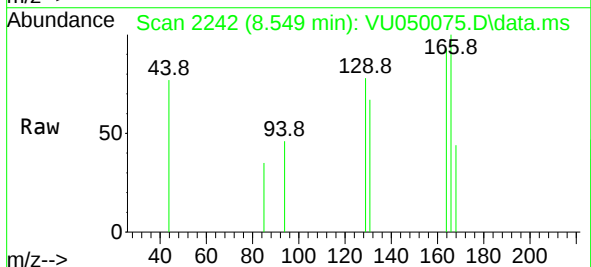
Instrument :
MSVOA_U
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F5D96

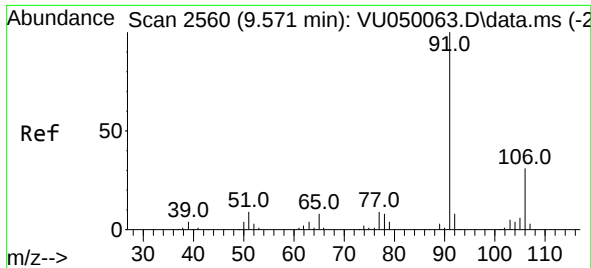
Tgt Ion: 43	Resp: 12499
Ion Ratio	Lower Upper
43 100	
58 50.7	50.6 76.0
57 20.9	16.0 24.0
100 8.9	9.8 14.8#



#49
Dibromochloromethane
Concen: 0.077 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.260 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

Tgt Ion:129	Resp:	461	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.3	102.7#

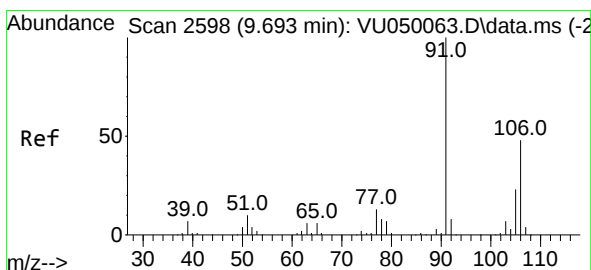
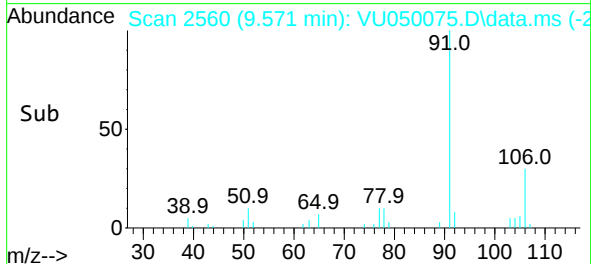
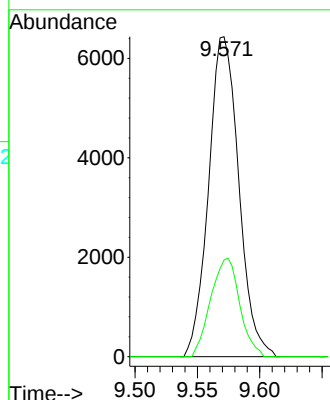
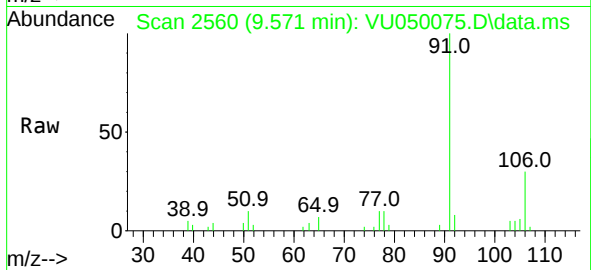




#52
Ethylbenzene
Concen: 0.409 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

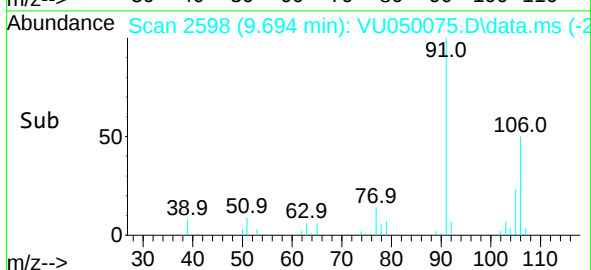
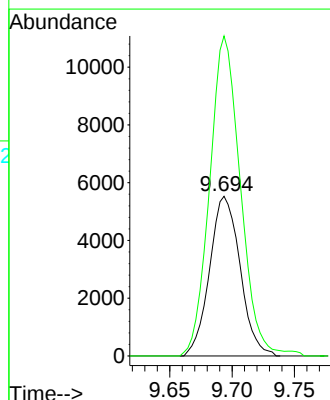
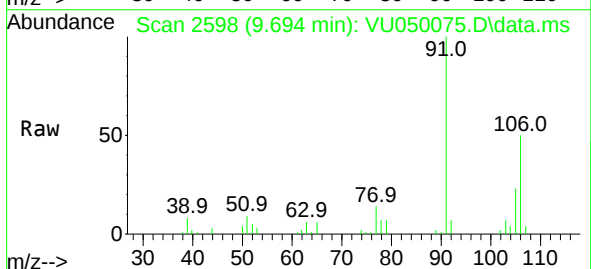
Instrument :
MSVOA_U
ClientSampleId :
F5D96

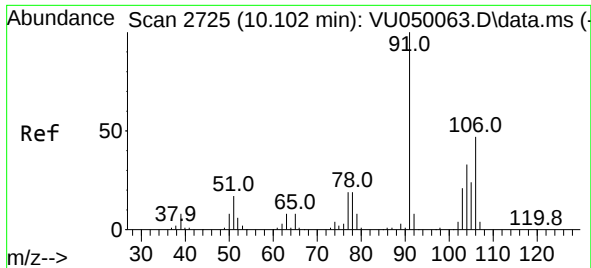
Tgt Ion: 91 Resp: 10849
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.5



#53
m,p-Xylene
Concen: 0.966 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

Tgt Ion: 106 Resp: 9429
Ion Ratio Lower Upper
106 100
91 200.5 143.1 265.9

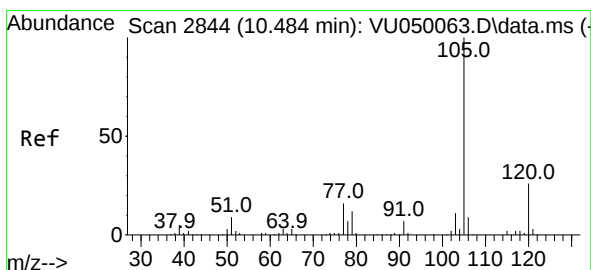
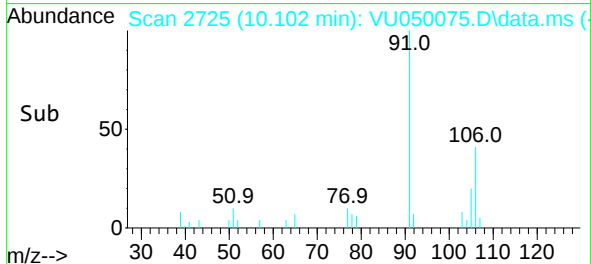
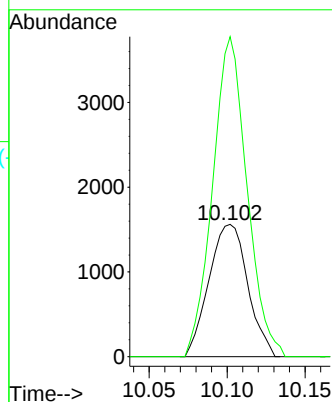
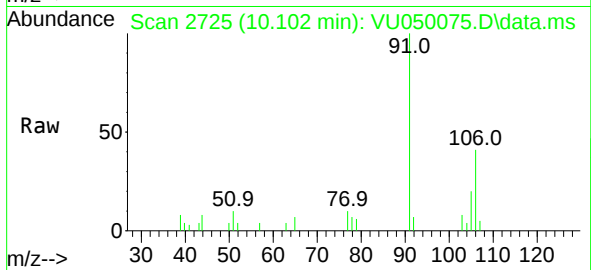




#54
o-Xylene
Concen: 0.278 ug/L
RT: 10.102 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

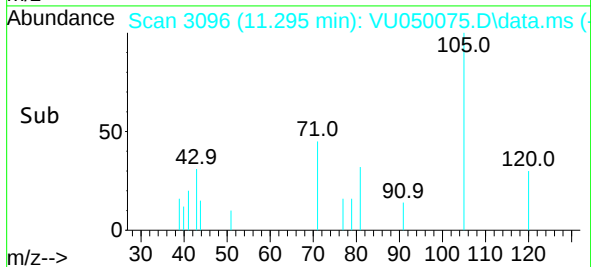
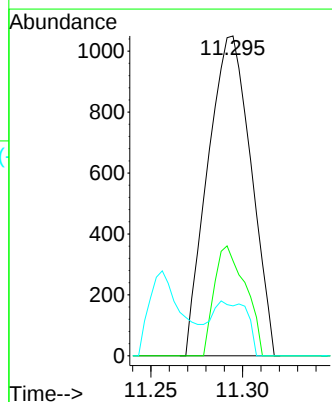
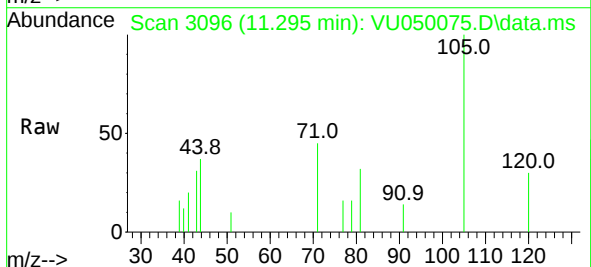
Instrument :
MSVOA_U
ClientSampleId :
F5D96

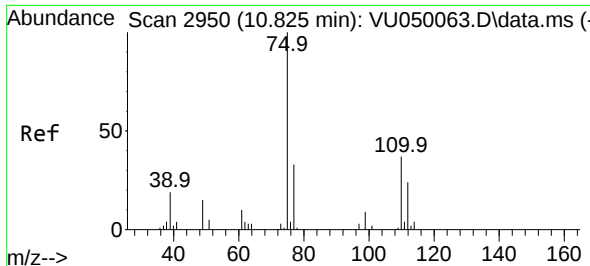
Tgt Ion:106 Resp: 2705
Ion Ratio Lower Upper
106 100
91 241.9 149.4 277.4



#60
Isopropylbenzene
Concen: 0.076 ug/L
RT: 11.295 min Scan# 3096
Delta R.T. 0.810 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

Tgt Ion:105 Resp: 1716
Ion Ratio Lower Upper
105 100
120 24.9 20.8 31.2
77 13.9 12.6 19.0

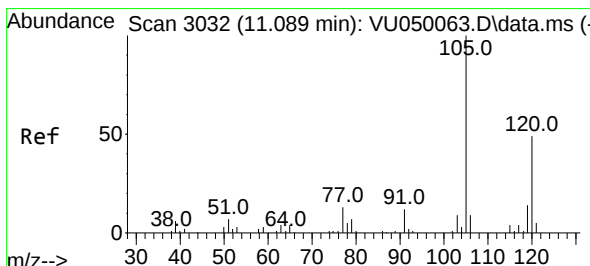
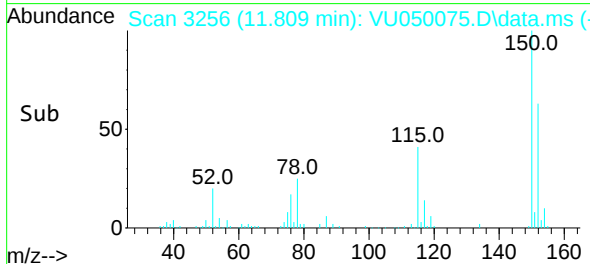
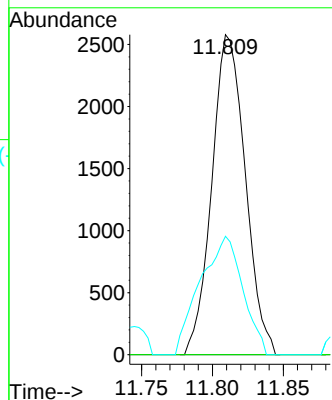
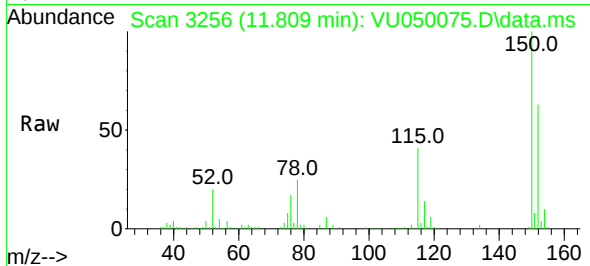




#61
1,2,3-Trichloropropane
Concen: 0.914 ug/L
RT: 11.809 min Scan# 31
Delta R.T. 0.984 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

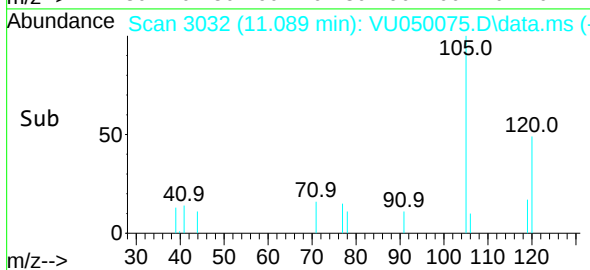
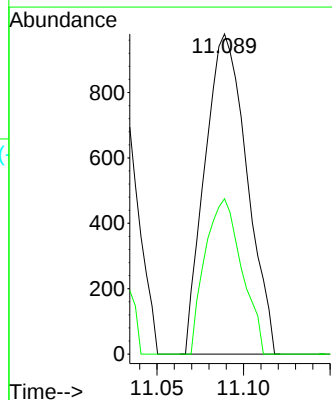
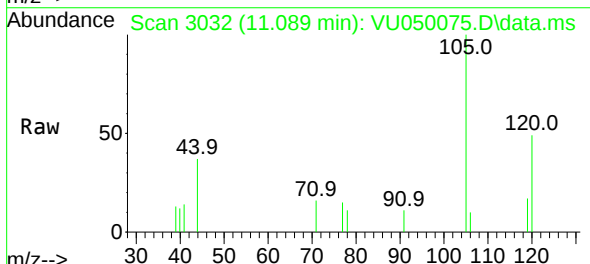
Instrument :
MSVOA_U
ClientSampleId :
F5D96

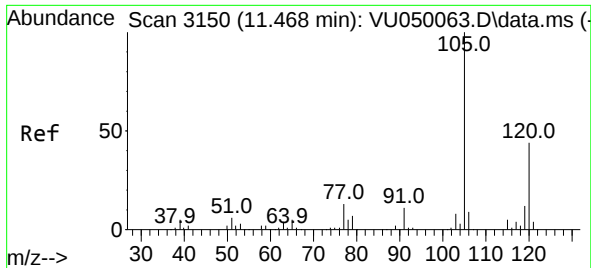
Tgt Ion: 75 Resp: 4236
Ion Ratio Lower Upper
75 100
110 0.0 28.5 42.7#
77 47.1 25.8 38.6#



#62
1,3,5-Trimethylbenzene
Concen: 0.257 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050075.D
Acq: 04 Aug 2022 20:58

Tgt Ion: 105 Resp: 1650
Ion Ratio Lower Upper
105 100
120 42.4 38.9 58.3





#63
 1,2,4-Trimethylbenzene
 Concen: 0.352 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050075.D
 Acq: 04 Aug 2022 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 F5D96

Tgt Ion:105 Resp: 6165
 Ion Ratio Lower Upper
 105 100
 120 46.7 35.9 53.9

