

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U080522\
 Data File : VU050092.D
 Acq On : 05 Aug 2022 13:23
 Operator : SY/MD
 Sample : N4022-07RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 06 04:34:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 06 04:32:47 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	48487	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	46929	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	17662	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	21371	5.296	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 106.000%		
7) Chloroethane-d5	1.909	69	17001	5.222	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 104.400%		
11) 1,1-Dichloroethene-d2	2.565	65	8292	5.258	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 105.200%		
20) 2-Butanone-d5	4.623	46	80422	81.729	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	= 163.460%#		
24) Chloroform-d	5.067	84	39912	5.318	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 106.400%		
26) 1,2-Dichloroethane-d4	5.703	65	23867	6.193	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 123.800%		
32) Benzene-d6	5.729	84	78182	5.339	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 106.800%		
36) 1,2-Dichloropropane-d6	6.694	67	27430	5.688	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 113.800%		
41) Toluene-d8	7.899	98	65352	5.053	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 101.000%		
43) trans-1,3-Dichloroprop...	8.182	79	9743	5.638	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 112.800%		
46) 2-Hexanone-d5	8.636	63	43181	70.461	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 140.920%#		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	29506	6.967	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 139.400%#		
66) 1,2-Dichlorobenzene-d4	12.195	152	21431	6.193	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 123.800%#		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	7650	1.469	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	154	0.049	ug/L #	22
13) Acetone	2.626	43	5944	10.847	ug/L	93
16) Methylene chloride	3.044	84	2036	0.398	ug/L	99
21) 2-Butanone	4.719	43	1429	1.450	ug/L #	47
22) cis-1,2-Dichloroethene	4.665	96	768	0.184	ug/L	90
33) Benzene	5.777	78	1675	0.102	ug/L	100
35) Methylcyclohexane	6.690	83	6368	1.241	ug/L #	18
37) 1,2-Dichloropropane	6.690	63	2568	0.586	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	577	0.101	ug/L #	56
42) Toluene	7.970	91	3962	0.240	ug/L	100
45) 1,1,2-Trichloroethane	8.272	97	1798	0.549	ug/L #	16
48) 2-Hexanone	8.687	43	11951	6.091	ug/L #	88
52) Ethylbenzene	9.571	91	1721	0.107	ug/L	93
53) m,p-Xylene	9.693	106	2067	0.349	ug/L	81
54) o-Xylene	10.099	106	636	0.108	ug/L	82
61) 1,2,3-Trichloropropane	11.816	75	2249	0.935	ug/L #	64
62) 1,3,5-Trimethylbenzene	11.092	105	486	0.146	ug/L #	65
63) 1,2,4-Trimethylbenzene	11.472	105	1459	0.161	ug/L	88

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QLast Update : Sat Aug 06 04:32:47 2022
Response via : Initial Calibration

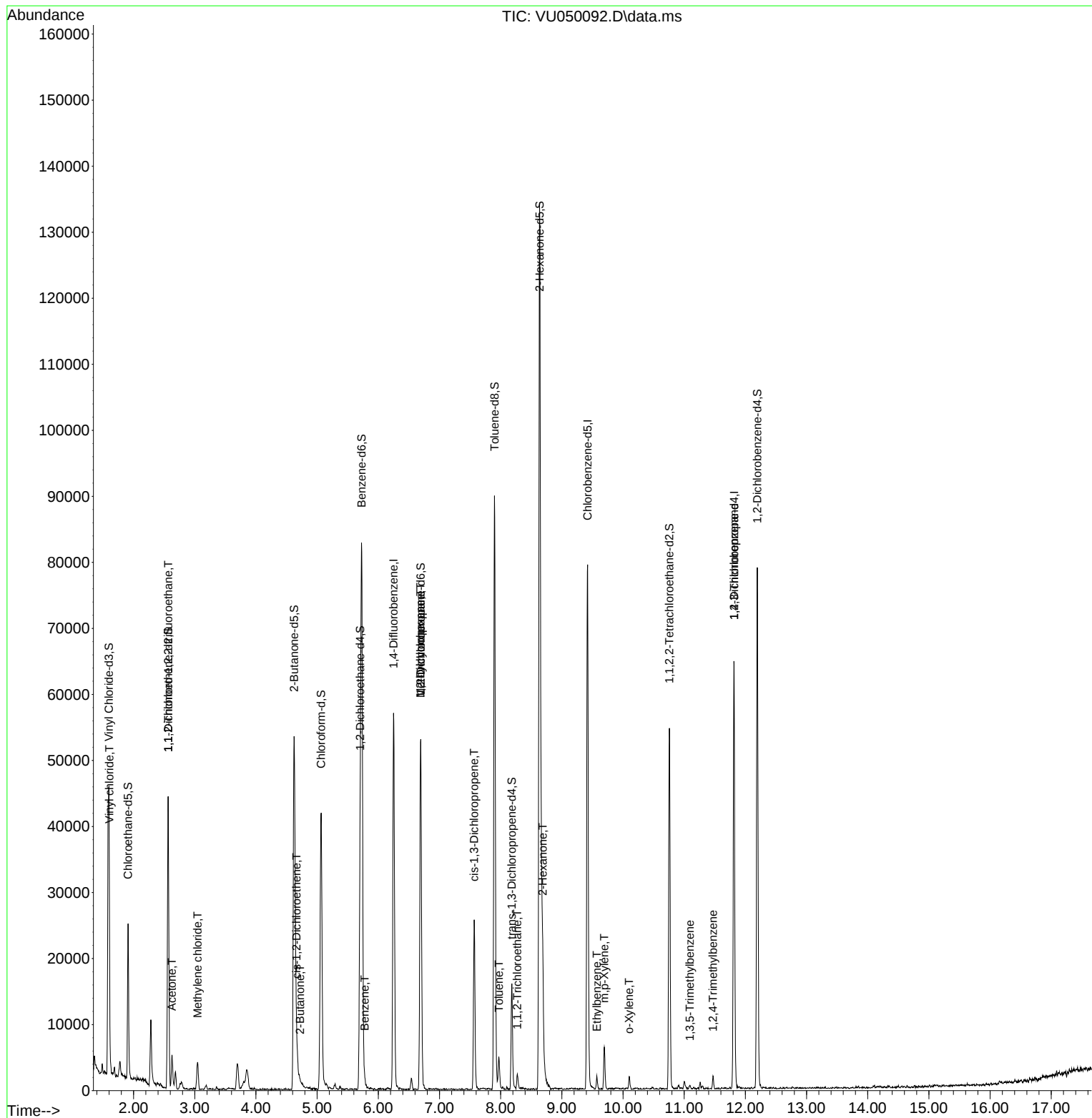
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

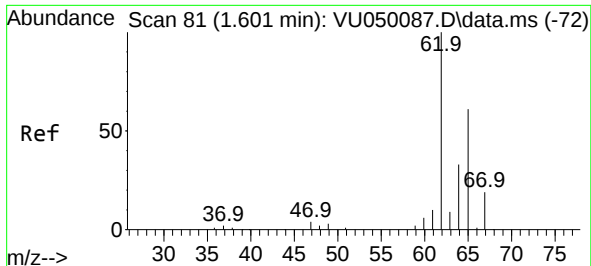
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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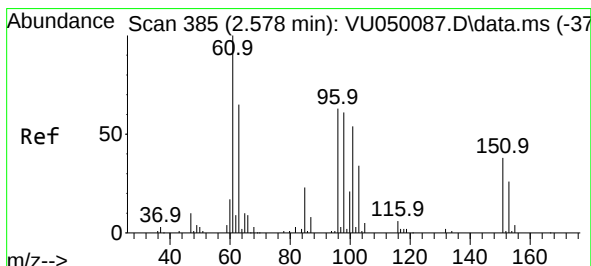
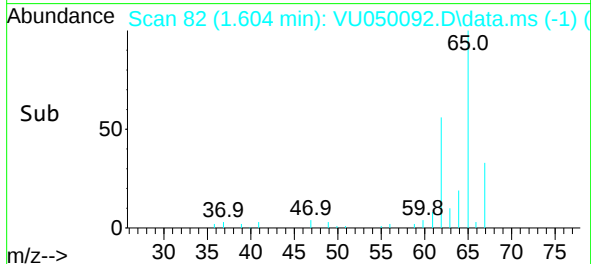
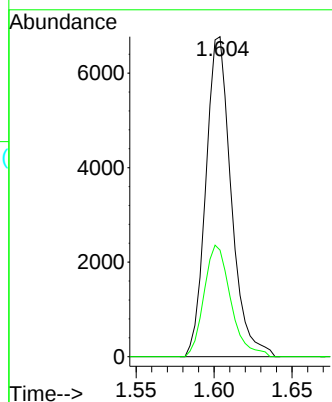
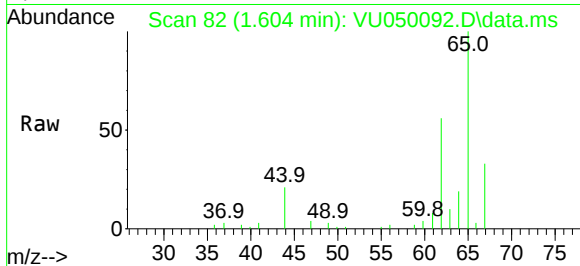




#5
 Vinyl chloride
 Concen: 1.469 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050092.D
 Acq: 05 Aug 2022 13:23

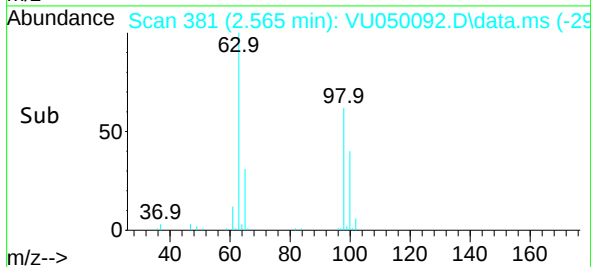
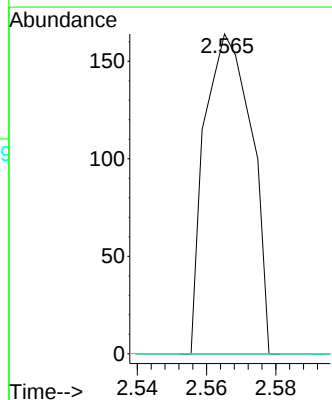
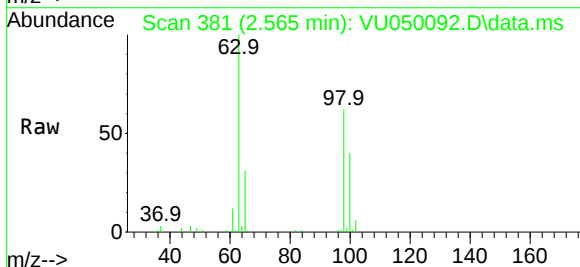
Instrument :
 MSVOA_U
 ClientSampleId :

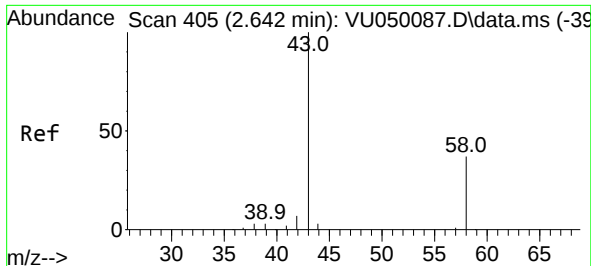
Tgt Ion: 62 Resp: 7650
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.8 42.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.049 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU050092.D
 Acq: 05 Aug 2022 13:23

Tgt Ion: 101 Resp: 154
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 55.2 82.8#





#13

Acetone

Concen: 10.847 ug/L

RT: 2.626 min Scan# 40

Delta R.T. -0.016 min

Lab File: VU050092.D

Acq: 05 Aug 2022 13:23

Instrument :

MSVOA_U

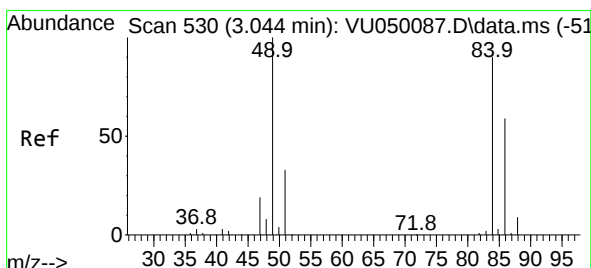
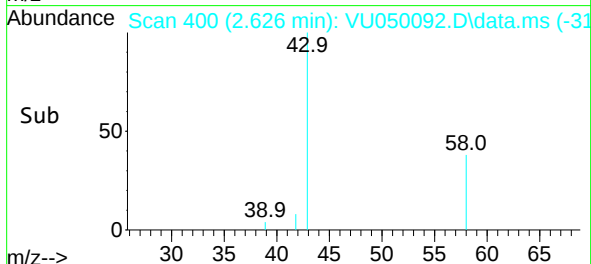
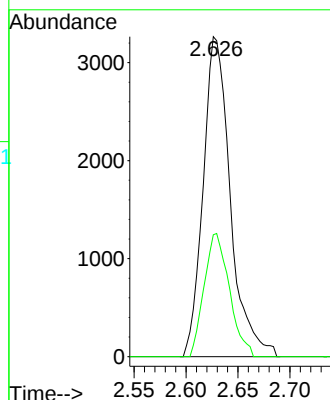
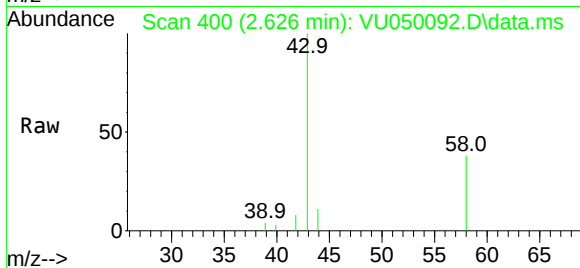
ClientSampleId :

Tgt Ion: 43 Resp: 5944

Ion Ratio Lower Upper

43 100

58 35.7 0.0 64.0



#16

Methylene chloride

Concen: 0.398 ug/L

RT: 3.044 min Scan# 530

Delta R.T. -0.000 min

Lab File: VU050092.D

Acq: 05 Aug 2022 13:23

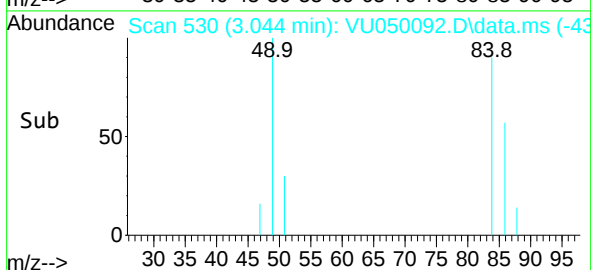
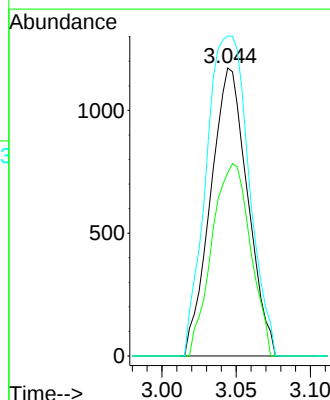
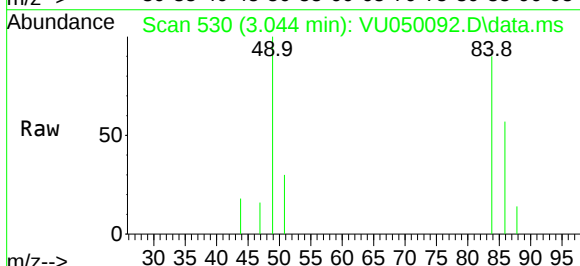
Tgt Ion: 84 Resp: 2036

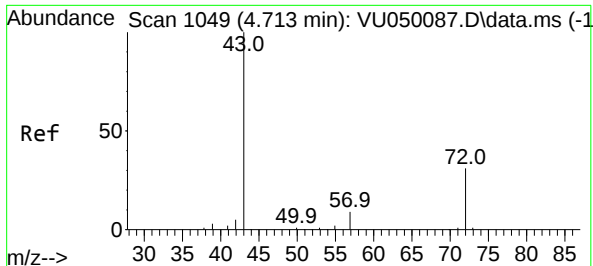
Ion Ratio Lower Upper

84 100

86 63.6 45.9 85.3

49 111.1 77.6 144.0





#21

2-Butanone

Concen: 1.450 ug/L

RT: 4.719 min Scan# 1049

Delta R.T. 0.006 min

Lab File: VU050092.D

Acq: 05 Aug 2022 13:23

Instrument :

MSVOA_U

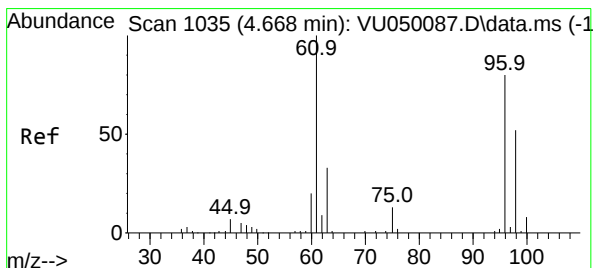
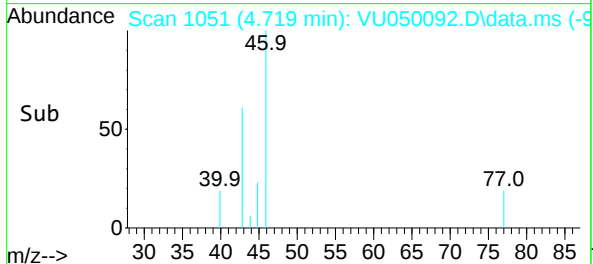
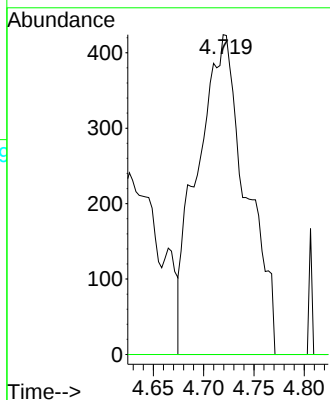
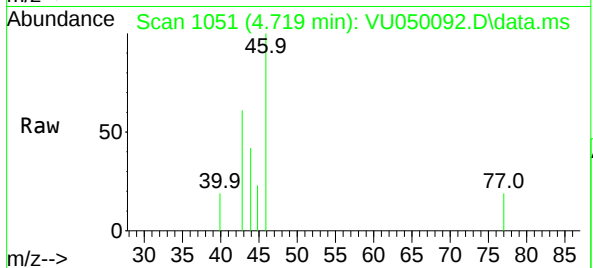
ClientSampleId :

Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

43 100

72 0.0 14.0 42.0#



#22

cis-1,2-Dichloroethene

Concen: 0.184 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU050092.D

Acq: 05 Aug 2022 13:23

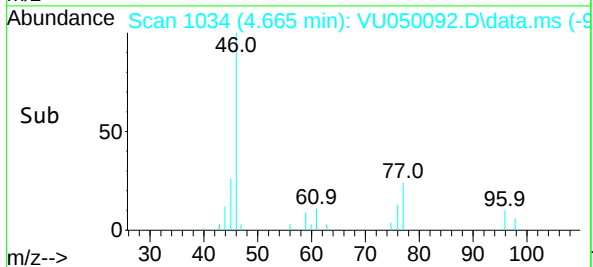
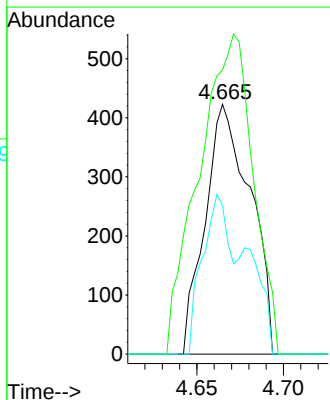
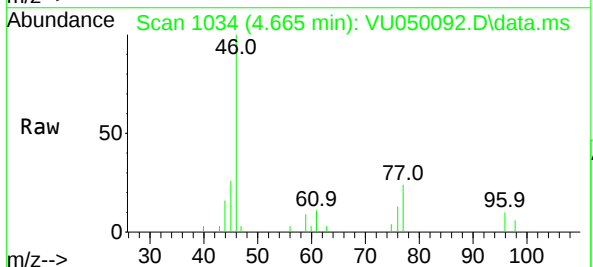
Tgt Ion: 96 Resp: 768

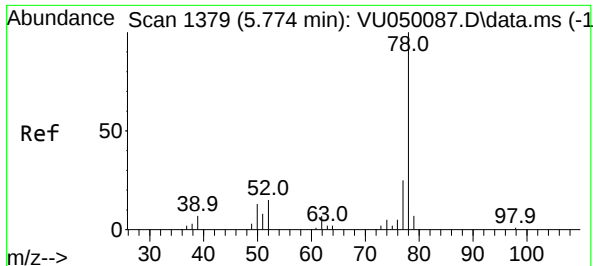
Ion Ratio Lower Upper

96 100

61 113.7 89.0 165.4

98 59.3 45.2 84.0

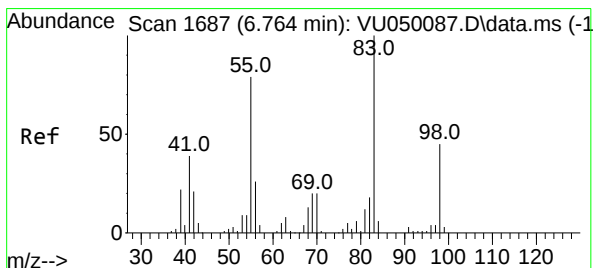
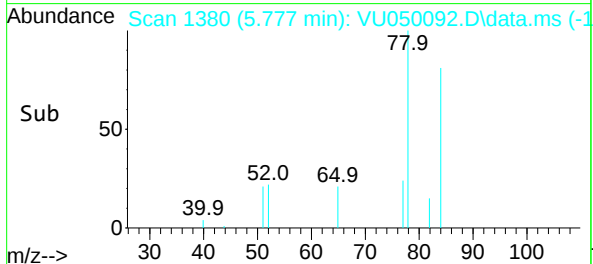
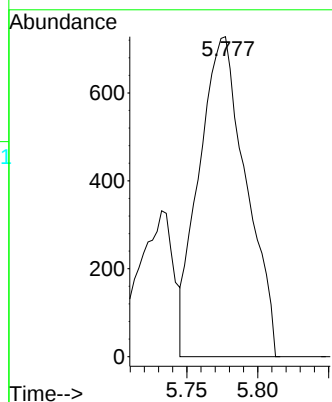
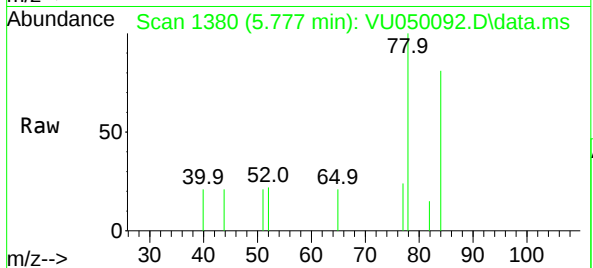




#33
Benzene
Concen: 0.102 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU050092.D
Acq: 05 Aug 2022 13:23

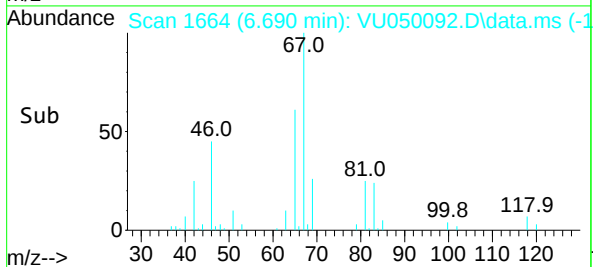
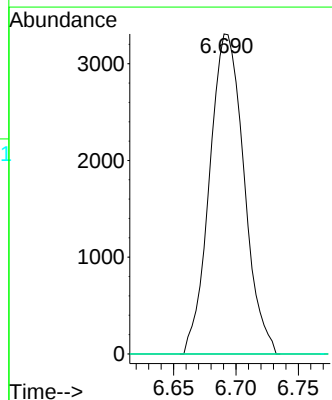
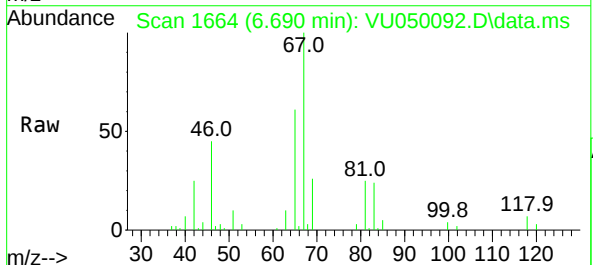
Instrument :
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ClientSampleId :

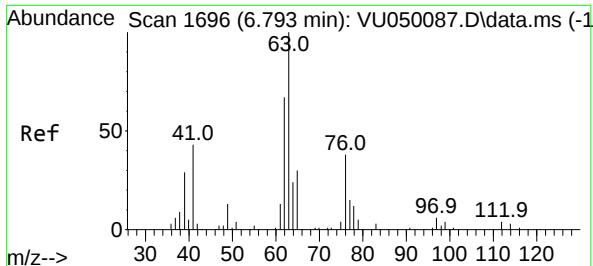
Tgt Ion: 78 Resp: 1675



#35
Methylcyclohexane
Concen: 1.241 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU050092.D
Acq: 05 Aug 2022 13:23

Tgt Ion: 83 Resp: 6368
Ion Ratio Lower Upper
83 100
55 0.0 62.7 94.1#
98 0.0 36.2 54.2#





#37

1,2-Dichloropropane

Concen: 0.586 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU050092.D

Acq: 05 Aug 2022 13:23

Instrument :

MSVOA_U

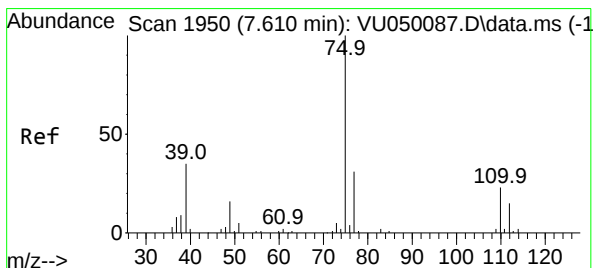
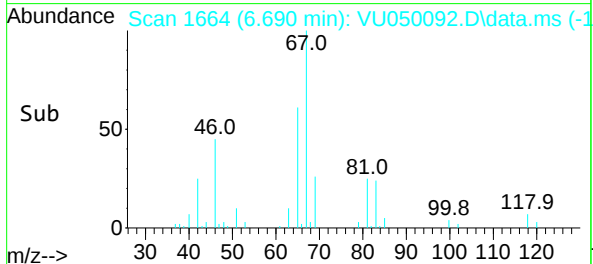
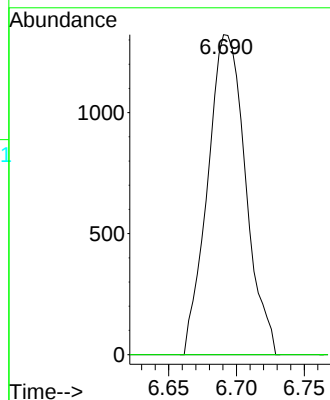
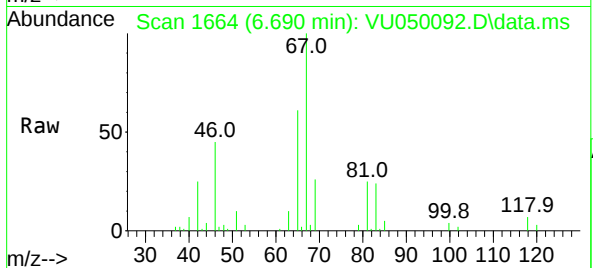
ClientSampleId :

Tgt Ion: 63 Resp: 2568

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU050092.D

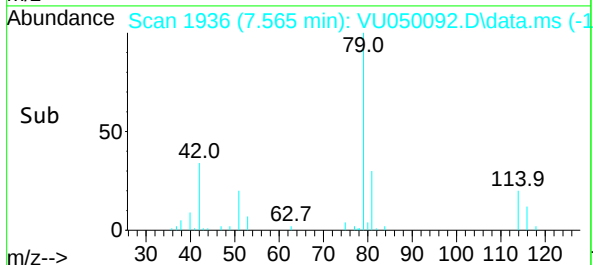
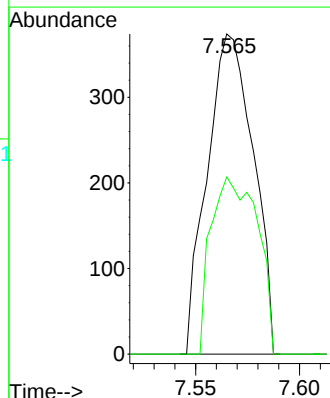
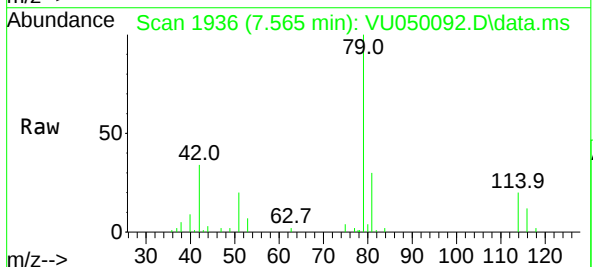
Acq: 05 Aug 2022 13:23

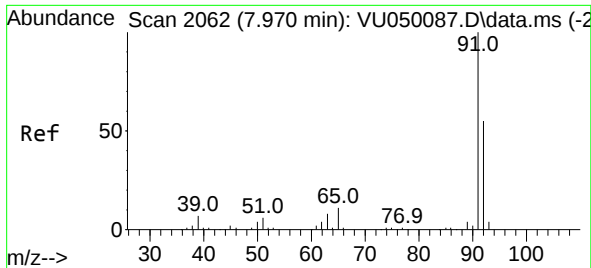
Tgt Ion: 75 Resp: 577

Ion Ratio Lower Upper

75 100

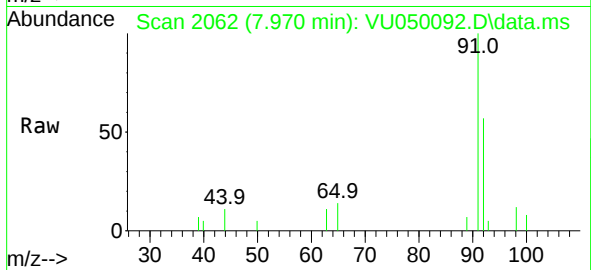
77 55.3 21.8 40.4#



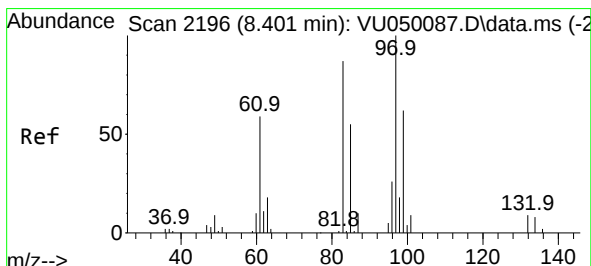
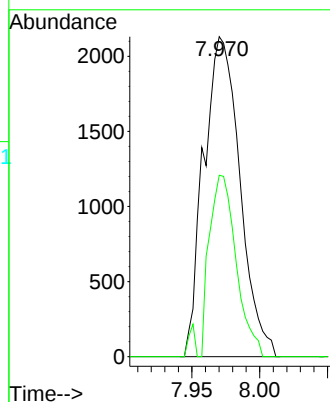
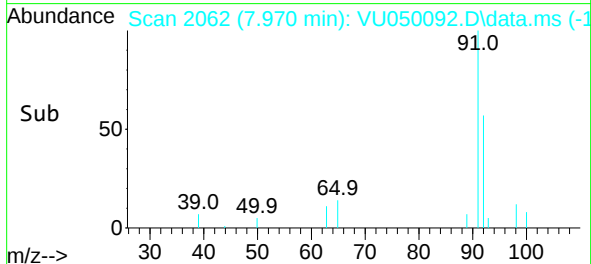


#42
Toluene
Concen: 0.240 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU050092.D
Acq: 05 Aug 2022 13:23

Instrument :
MSVOA_U
ClientSampleId :

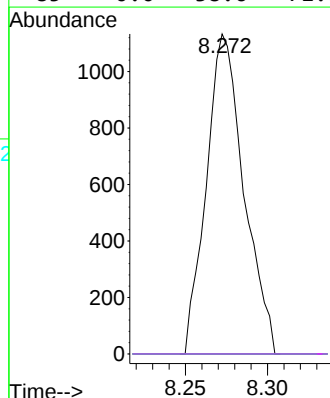
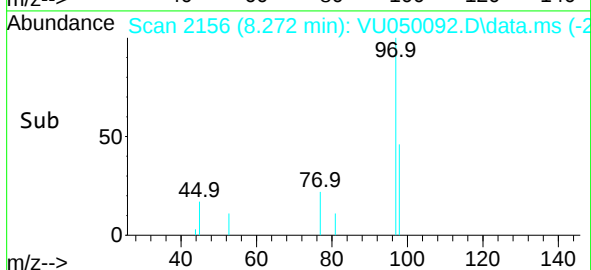
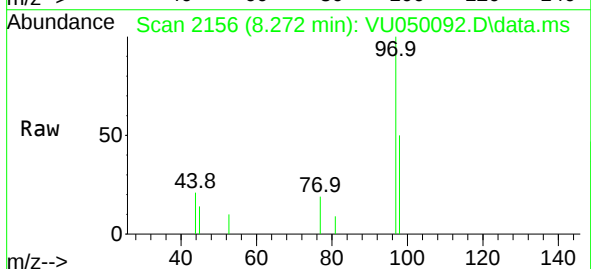


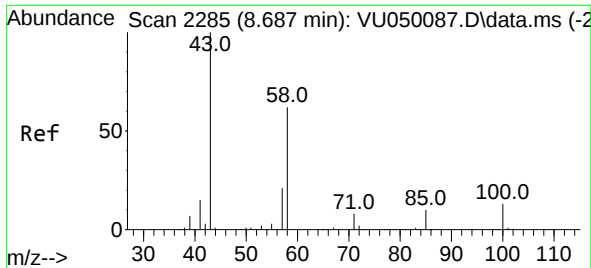
Tgt Ion: 91 Resp: 3962
Ion Ratio Lower Upper
91 100
92 56.7 39.8 74.0



#45
1,1,2-Trichloroethane
Concen: 0.549 ug/L
RT: 8.272 min Scan# 2156
Delta R.T. -0.129 min
Lab File: VU050092.D
Acq: 05 Aug 2022 13:23

Tgt Ion: 97 Resp: 1798
Ion Ratio Lower Upper
97 100
99 0.0 42.2 78.4#
83 0.0 59.6 110.6#
85 0.0 38.6 71.8#

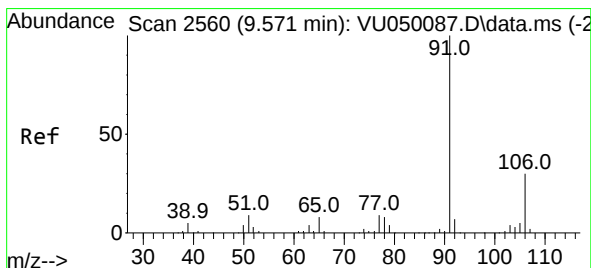
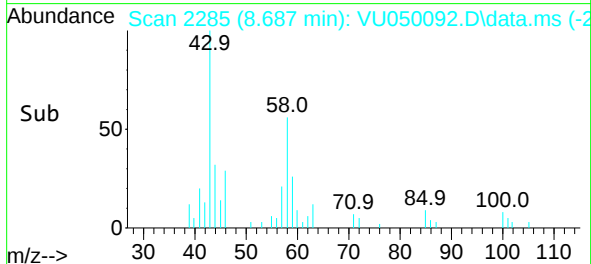
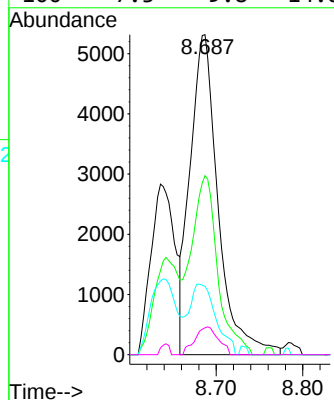
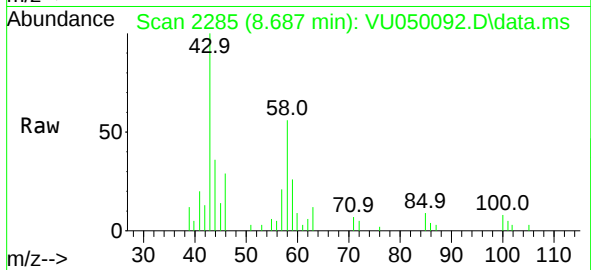




#48
2-Hexanone
Concen: 6.091 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050092.D
Acq: 05 Aug 2022 13:23

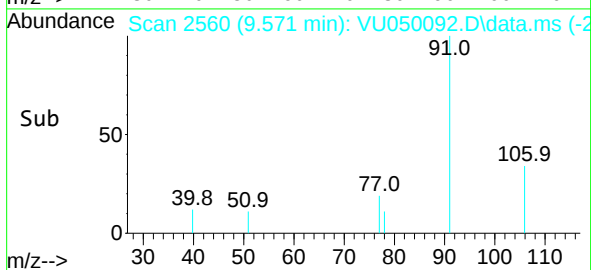
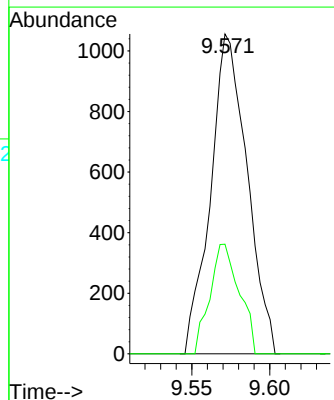
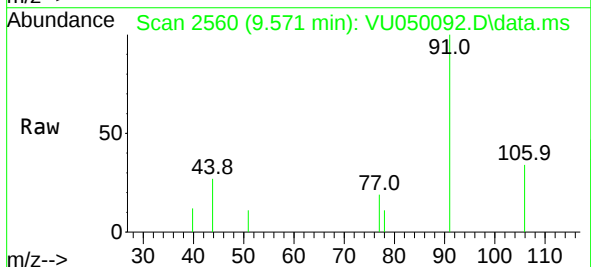
Instrument :
MSVOA_U
ClientSampleId :

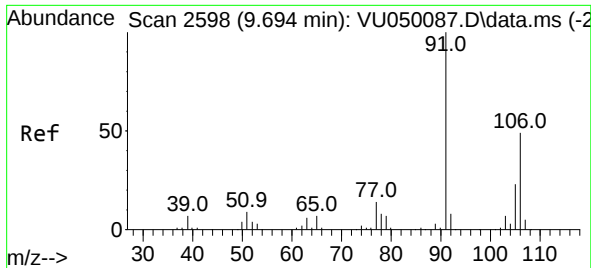
Tgt Ion: 43	Resp: 11951
Ion Ratio	Lower Upper
43 100	
58 51.7	50.6 76.0
57 21.0	16.0 24.0
100 7.3	9.8 14.8



#52
Ethylbenzene
Concen: 0.107 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU050092.D
Acq: 05 Aug 2022 13:23

Tgt Ion: 91	Resp: 1721
Ion Ratio	Lower Upper
91 100	
106 34.3	21.3 39.5

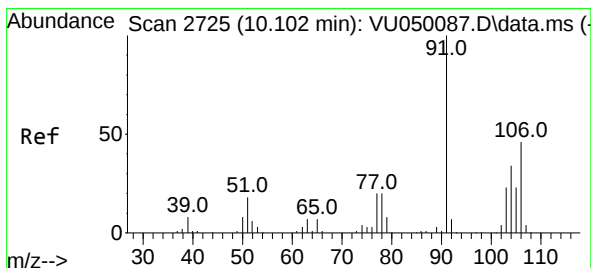
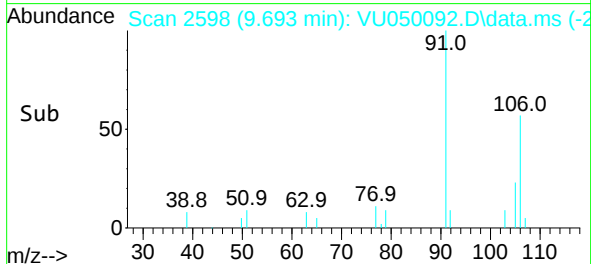
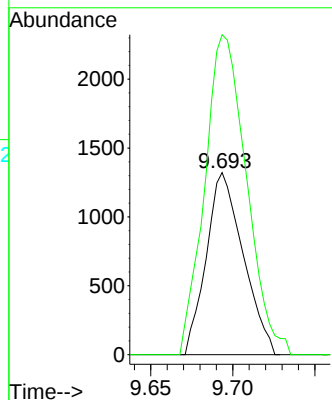
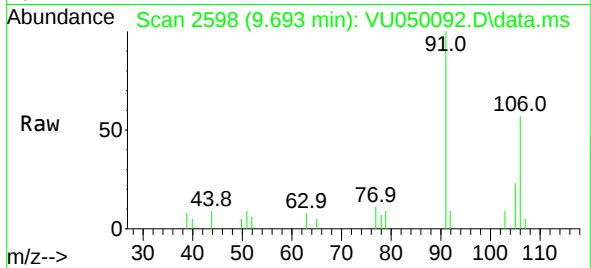




#53
m,p-Xylene
Concen: 0.349 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050092.D
Acq: 05 Aug 2022 13:23

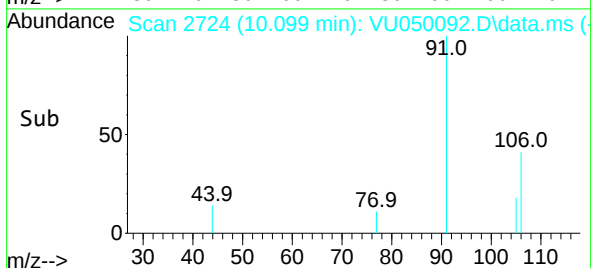
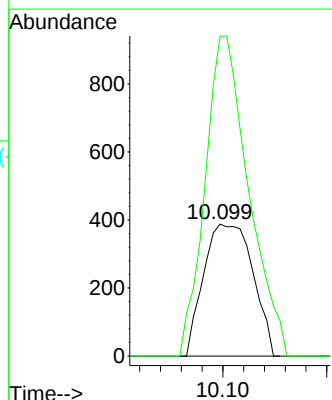
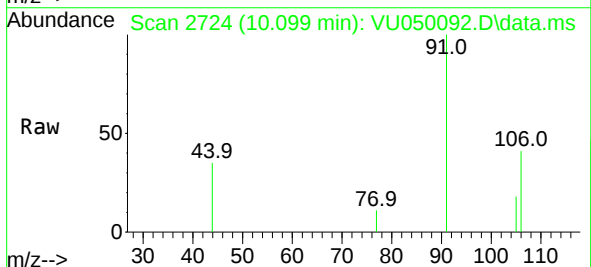
Instrument :
MSVOA_U
ClientSampleId :

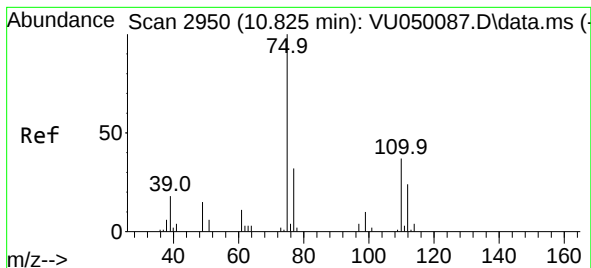
Tgt Ion:106 Resp: 2067
Ion Ratio Lower Upper
106 100
91 175.7 143.1 265.9



#54
o-Xylene
Concen: 0.108 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU050092.D
Acq: 05 Aug 2022 13:23

Tgt Ion:106 Resp: 636
Ion Ratio Lower Upper
106 100
91 242.3 149.4 277.4





#61

1,2,3-Trichloropropane

Concen: 0.935 ug/L

RT: 11.816 min Scan# 3033

Delta R.T. 0.990 min

Lab File: VU050092.D

Acq: 05 Aug 2022 13:23

Instrument :

MSVOA_U

ClientSampleId :

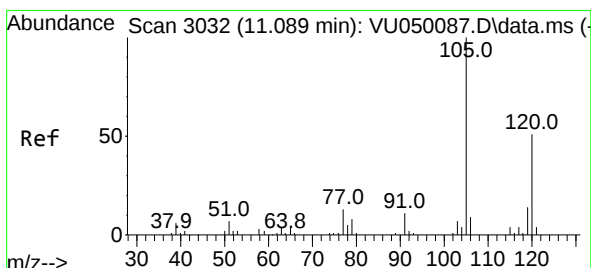
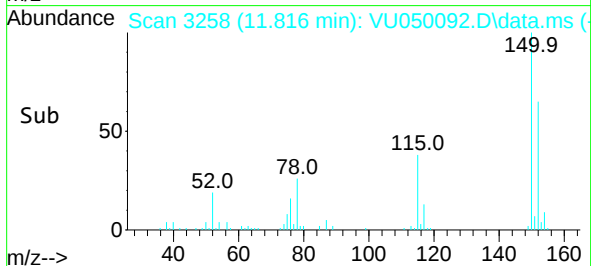
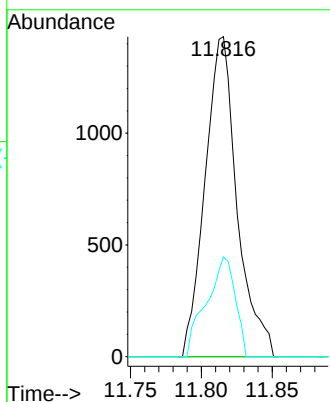
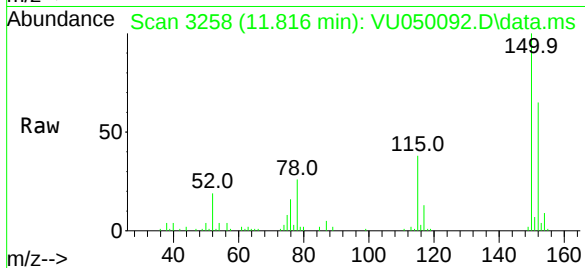
Tgt Ion: 75 Resp: 2249

Ion Ratio Lower Upper

75 100

110 0.0 28.5 42.7#

77 28.0 25.8 38.6



#62

1,3,5-Trimethylbenzene

Concen: 0.146 ug/L

RT: 11.092 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VU050092.D

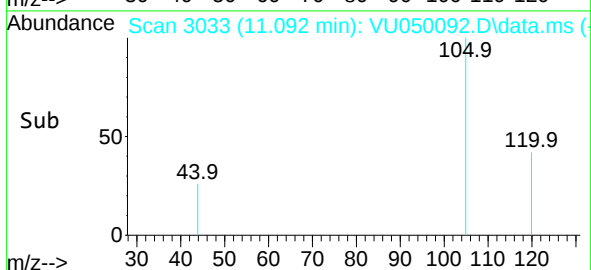
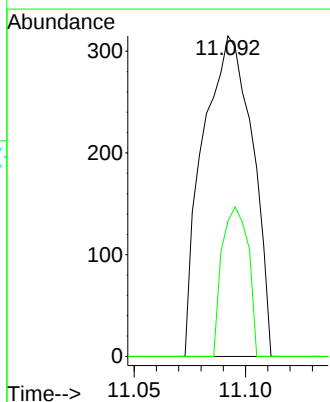
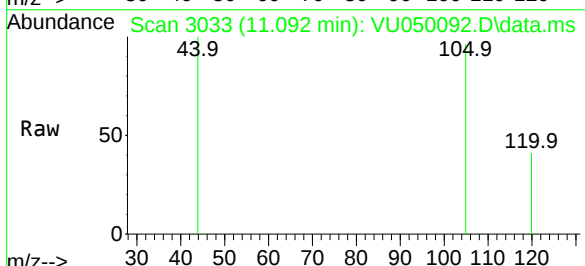
Acq: 05 Aug 2022 13:23

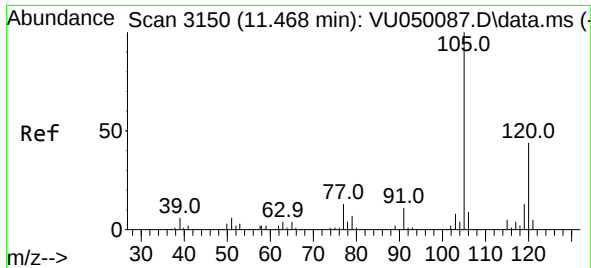
Tgt Ion: 105 Resp: 486

Ion Ratio Lower Upper

105 100

120 24.7 38.9 58.3#





#63

1,2,4-Trimethylbenzene

Concen: 0.161 ug/L

RT: 11.472 min Scan# 31

Delta R.T. 0.003 min

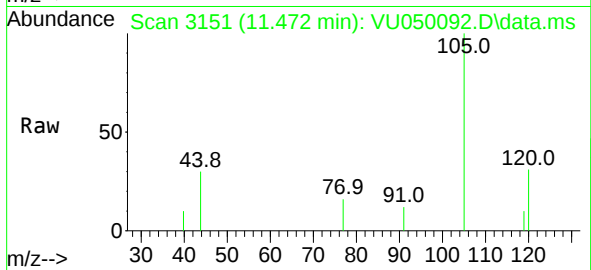
Lab File: VU050092.D

Acq: 05 Aug 2022 13:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:105 Resp: 1459

Ion Ratio Lower Upper

105 100

120 37.0 35.9 53.9

