

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045245.D
 Acq On : 08 Oct 2021 12:42
 Operator : SY/MD
 Sample : M4024-15DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 09 05:31:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 05:29:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	275276	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	268038	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	119247	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	139552	46.309	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.620%		
7) Chloroethane-d5	1.896	69	110963	46.468	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.940%		
11) 1,1-Dichloroethene-d2	2.565	63	168364	33.269	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.540%		
21) 2-Butanone-d5	4.626	46	195686	82.139	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.140%		
24) Chloroform-d	5.070	84	208380	43.782	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.560%		
26) 1,2-Dichloroethane-d4	5.707	65	145181	45.033	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.060%		
32) Benzene-d6	5.732	84	435041	46.774	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.540%		
36) 1,2-Dichloropropane-d6	6.697	67	139860	46.117	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.240%		
41) Toluene-d8	7.903	98	375523	46.786	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.580%		
43) trans-1,3-Dichloroprop...	8.182	79	62316	46.193	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.380%		
47) 2-Hexanone-d5	8.636	63	136317	81.111	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	81.110%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	207298	43.896	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.800%		
66) 1,2-Dichlorobenzene-d4	12.195	152	130175	50.161	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.320%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	123314	38.311	ug/L #	75
8) Chloroethane	1.919	64	9644	4.774	ug/L #	71
12) 1,1-Dichloroethene	2.568	96	1821	0.854	ug/L #	1
14) Carbon disulfide	2.797	76	3971	0.581	ug/L	98
19) 1,1-Dichloroethane	3.874	63	16822	3.601	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	63110	25.505	ug/L	94
27) 1,2-Dichloroethane	5.732	62	2548	0.656	ug/L #	75
37) 1,2-Dichloropropane	6.697	63	15804	5.839	ug/L	100
39) cis-1,3-Dichloropropene	7.568	75	3784	0.977	ug/L #	62
42) Toluene	7.973	91	20321	2.012	ug/L	100
44) trans-1,3-Dichloropropene	8.182	75	2780	0.755	ug/L	84
48) 2-Hexanone	8.636	43	16347	4.077	ug/L #	72
52) Ethylbenzene	9.575	91	100329	9.402	ug/L	99
53) m,p-Xylene	9.694	106	105733	26.157	ug/L	98
54) o-xylene	10.105	106	22378	5.634	ug/L	100
61) Isopropylbenzene	10.488	105	13026	1.493	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	4485	0.601	ug/L	98
71) Naphthalene	14.092	128	56317	6.987	ug/L	99

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MSVOA_U
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Quant Title : VOC Analysis
QLast Update : Sat Oct 09 05:29:23 2021
Response via : Initial Calibration

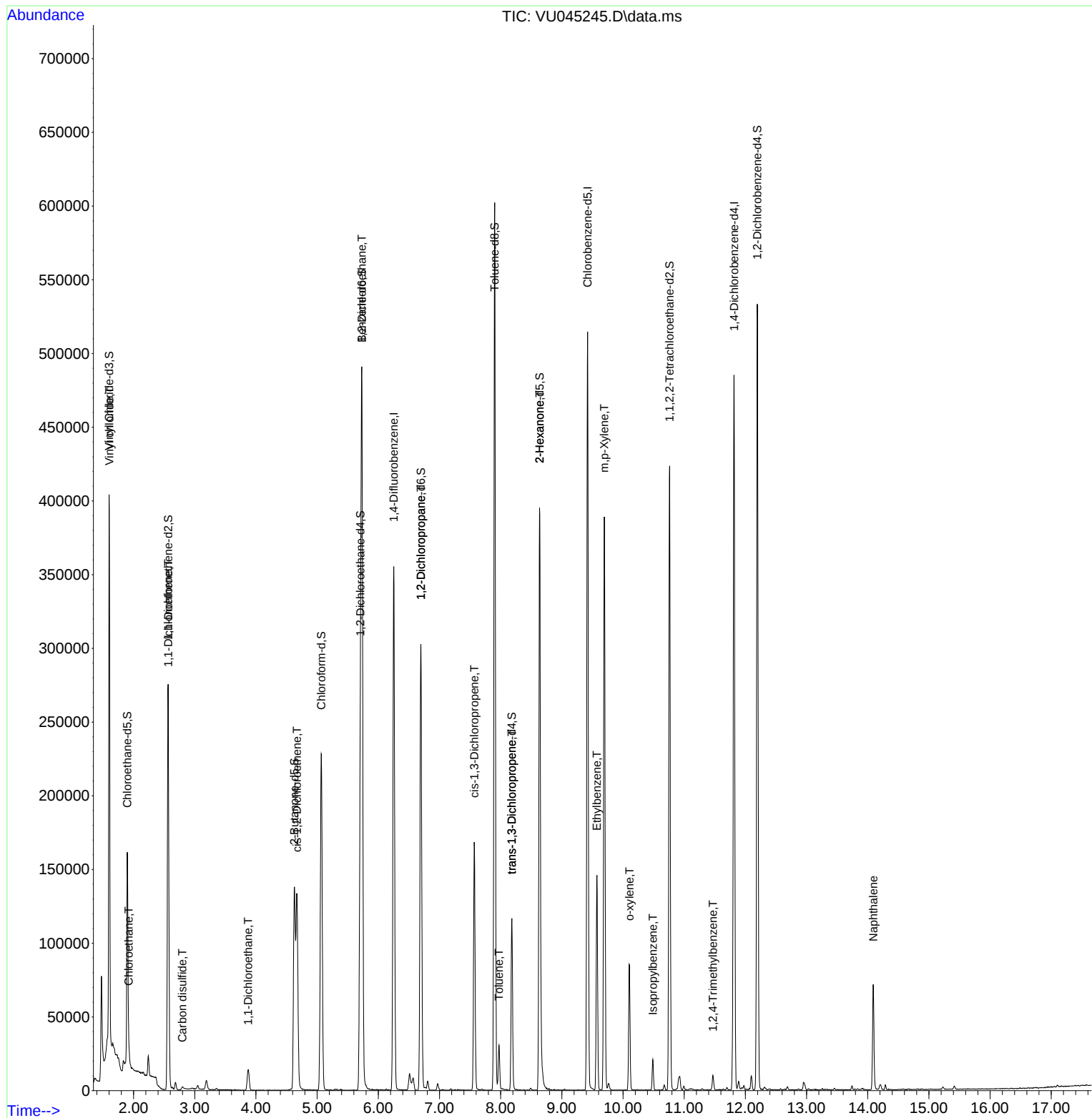
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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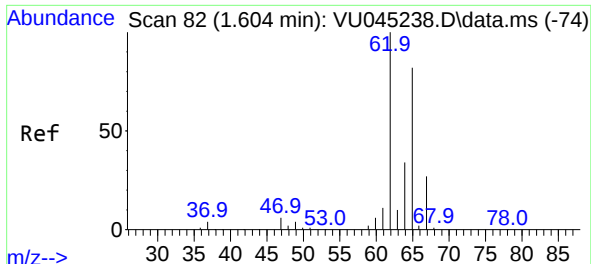
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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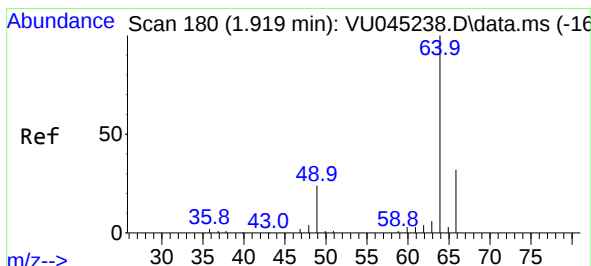
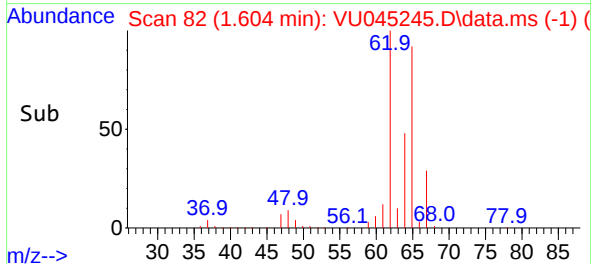
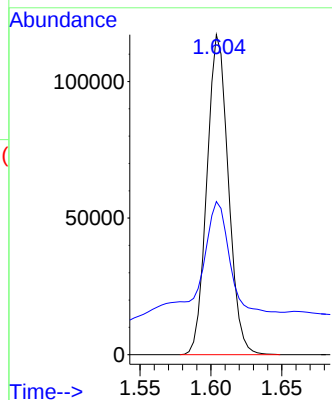
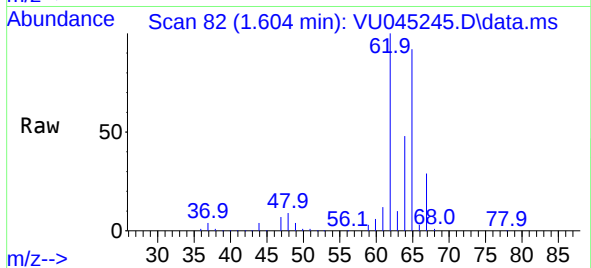




#5
 Vinyl chloride
 Concen: 38.311 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU045245.D
 Acq: 08 Oct 2021 12:42

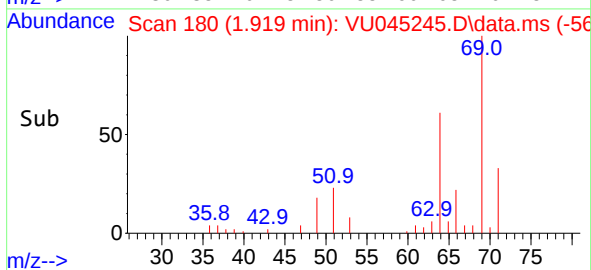
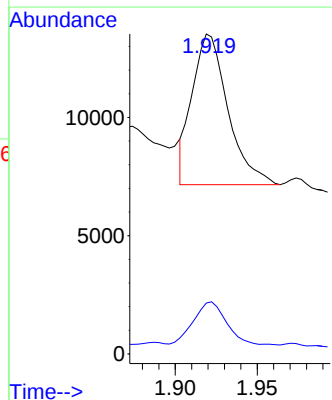
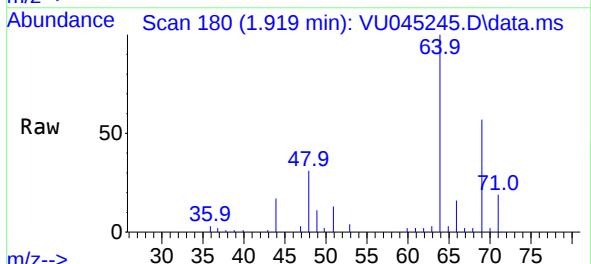
Instrument :
 MSVOA_U
 ClientSampled :

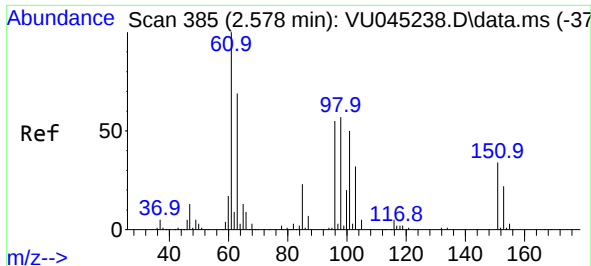
Tgt Ion: 62 Resp: 123314
 Ion Ratio Lower Upper
 62 100
 64 47.9 23.4 43.6#



#8
 Chloroethane
 Concen: 4.774 ug/L
 RT: 1.919 min Scan# 180
 Delta R.T. 0.000 min
 Lab File: VU045245.D
 Acq: 08 Oct 2021 12:42

Tgt Ion: 64 Resp: 9644
 Ion Ratio Lower Upper
 64 100
 66 15.9 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 0.854 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.010 min

Lab File: VU045245.D

Acq: 08 Oct 2021 12:42

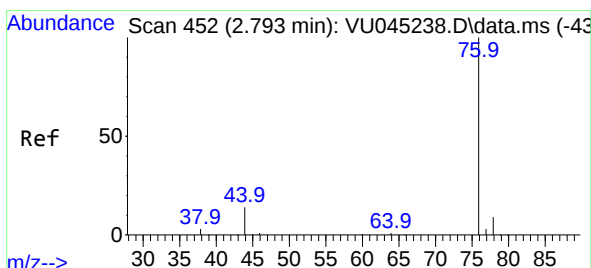
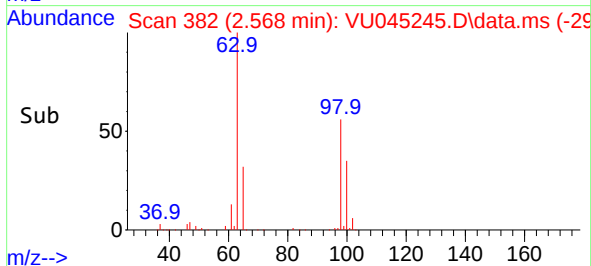
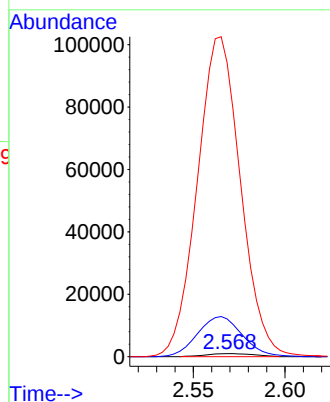
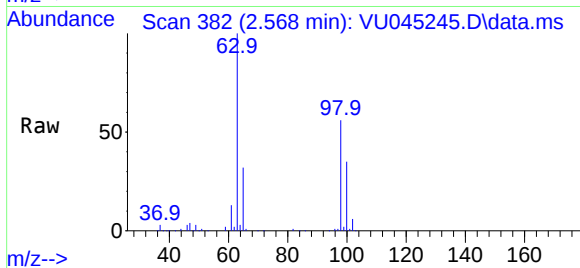
Tgt Ion: 96 Resp: 1821

Ion Ratio Lower Upper

96 100

61 1257.1 131.3 243.9#

63 9773.3 102.5 190.3#



#14

Carbon disulfide

Concen: 0.581 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU045245.D

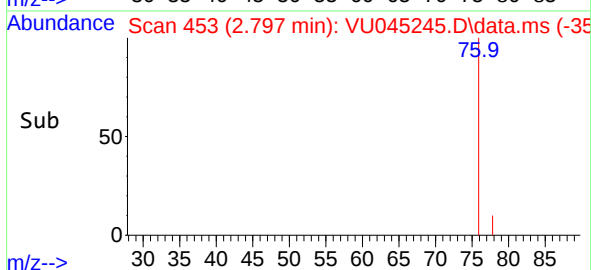
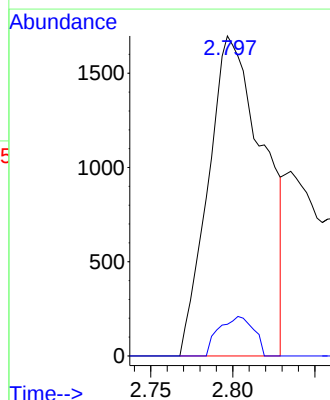
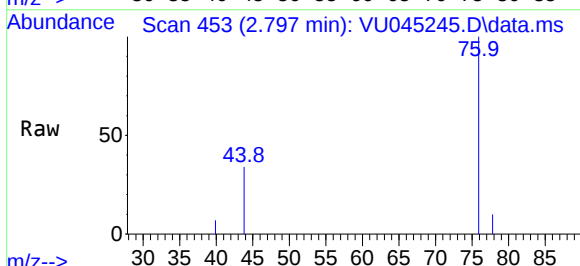
Acq: 08 Oct 2021 12:42

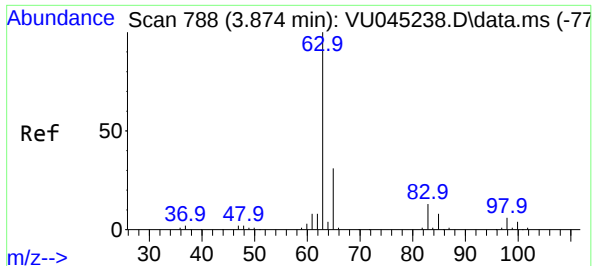
Tgt Ion: 76 Resp: 3971

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9





#19

1,1-Dichloroethane

Concen: 3.601 ug/L

RT: 3.874 min Scan# 788

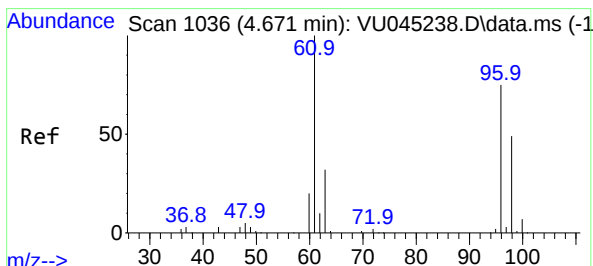
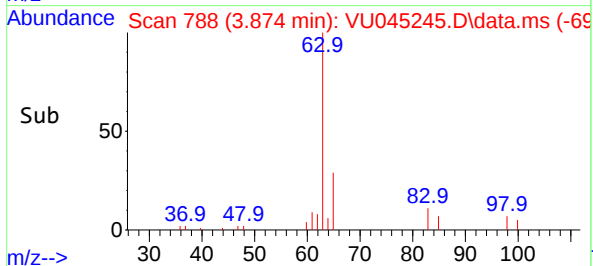
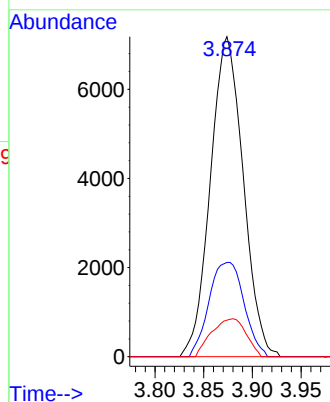
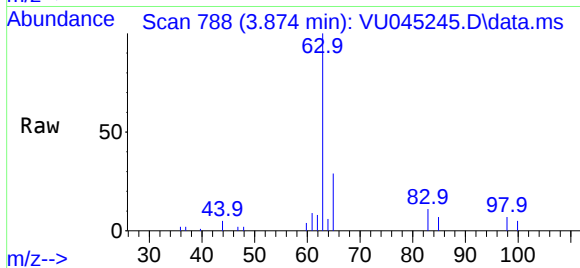
Delta R.T. 0.000 min

Lab File: VU045245.D

Acq: 08 Oct 2021 12:42

Tgt Ion:	63	Resp:	16822
Ion	Ratio	Lower	Upper
63	100		
65	29.4	22.0	40.8
83	11.4	9.0	16.6

Instrument :
MSVOA_U
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#20

cis-1,2-Dichloroethene

Concen: 25.505 ug/L

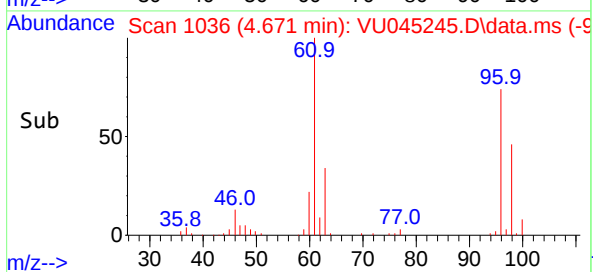
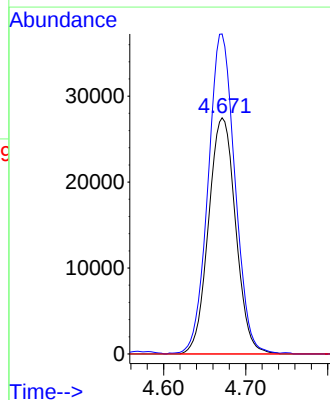
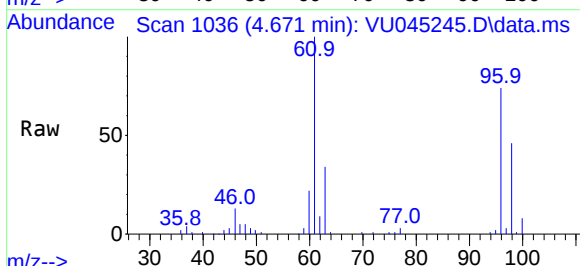
RT: 4.671 min Scan# 1036

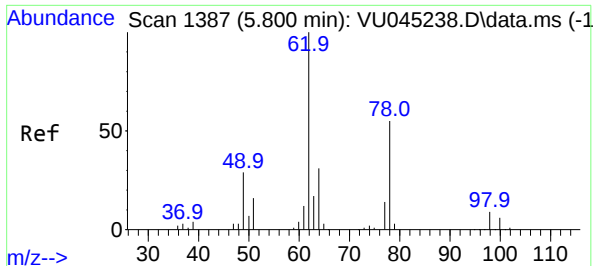
Delta R.T. 0.000 min

Lab File: VU045245.D

Acq: 08 Oct 2021 12:42

Tgt Ion:	96	Resp:	63110
Ion	Ratio	Lower	Upper
96	100		
61	135.5	100.2	186.0
68	0.0	0.0	0.0

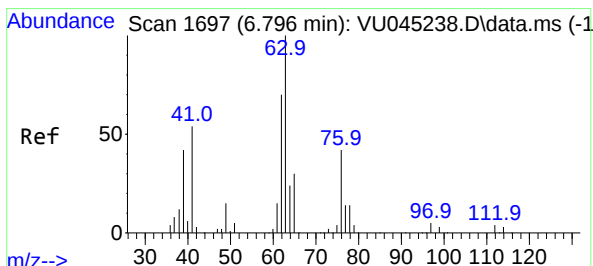
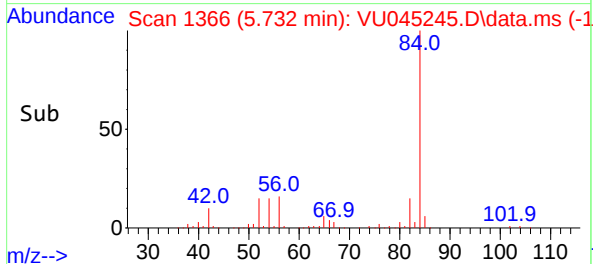
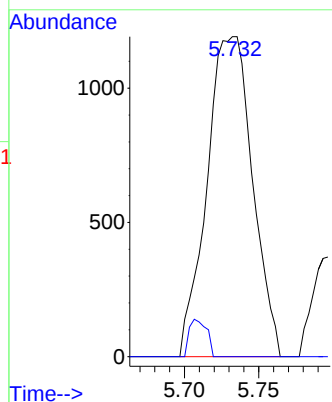
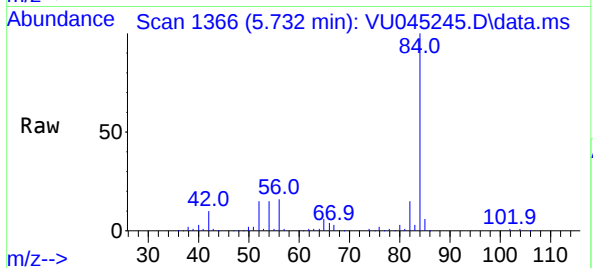




#27
1,2-Dichloroethane
Concen: 0.656 ug/L
RT: 5.732 min Scan# 1366
Delta R.T. -0.067 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

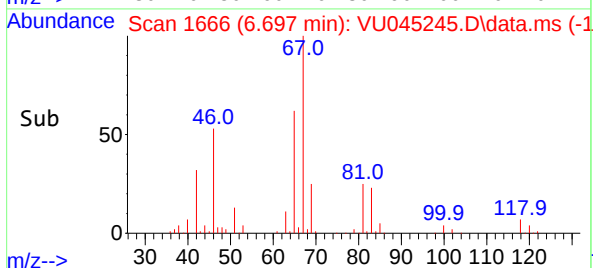
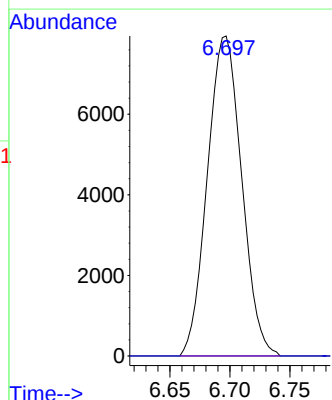
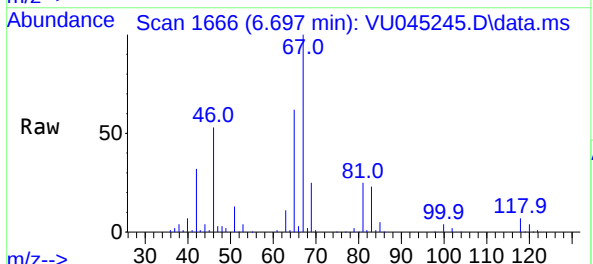
Instrument :
MSVOA_U
ClientSampled :

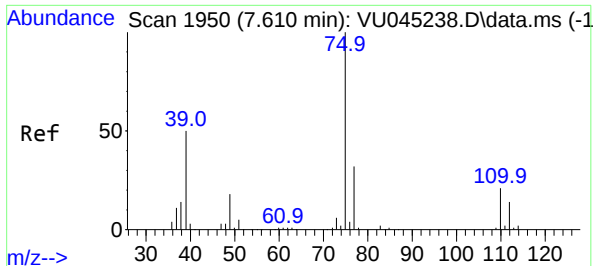
Tgt Ion: 62 Resp: 2548
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#



#37
1,2-Dichloropropane
Concen: 5.839 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

Tgt Ion: 63 Resp: 15804
Ion Ratio Lower Upper
63 100
112 4.1 3.2 4.8



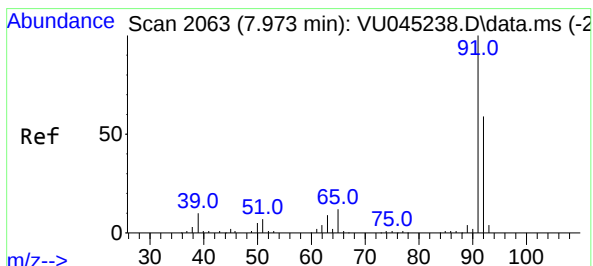
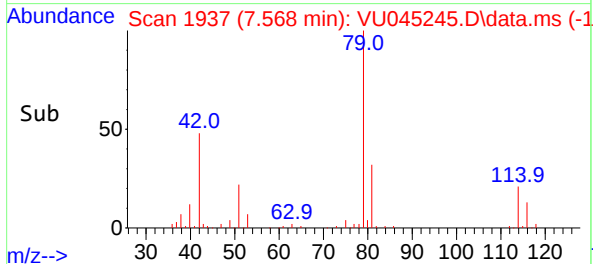
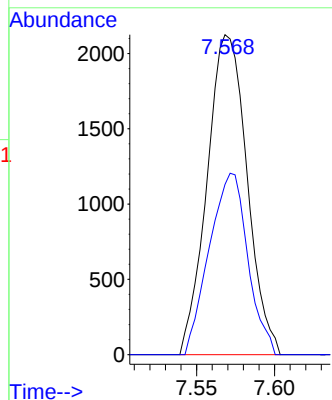
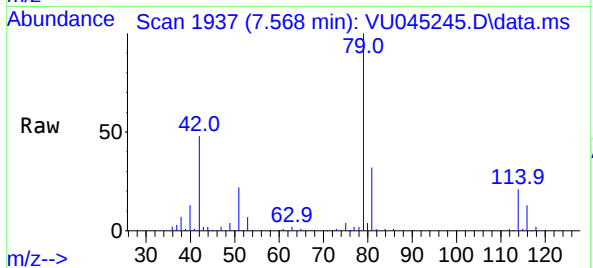


#39

cis-1,3-Dichloropropene
Concen: 0.977 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

Instrument :
MSVOA_U
ClientSampled :

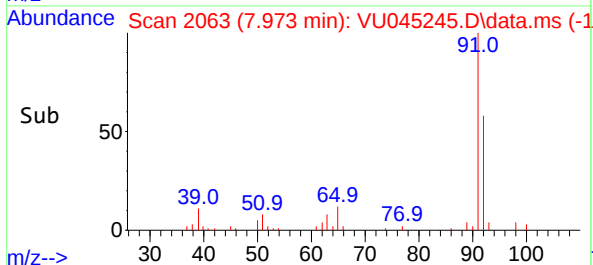
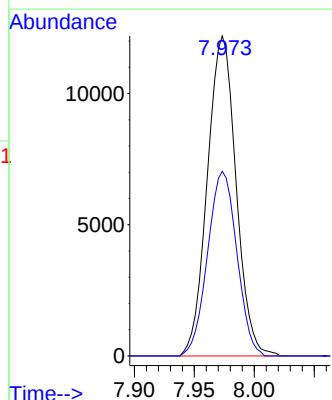
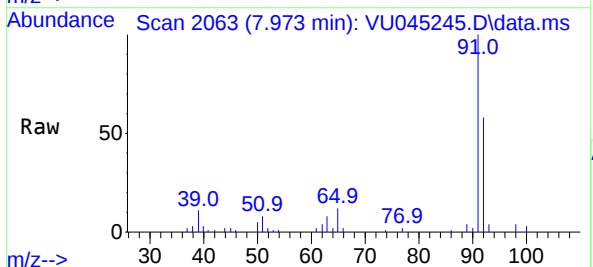
Tgt Ion: 75 Resp: 3784
Ion Ratio Lower Upper
75 100
77 53.2 22.4 41.6#

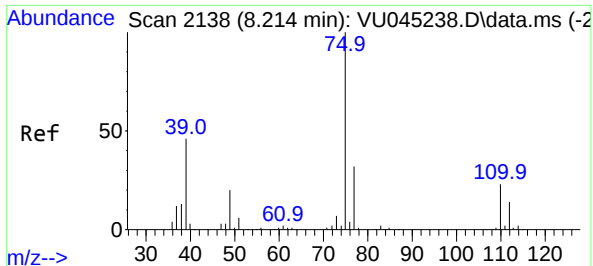


#42

Toluene
Concen: 2.012 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

Tgt Ion: 91 Resp: 20321
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.1

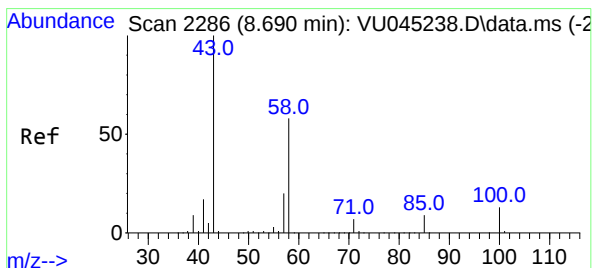
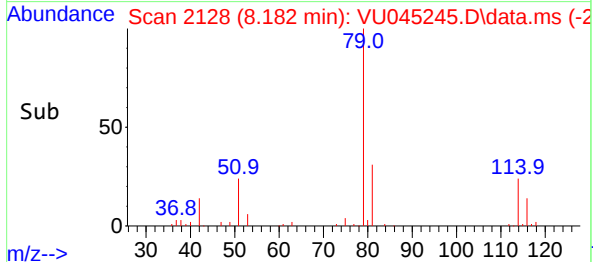
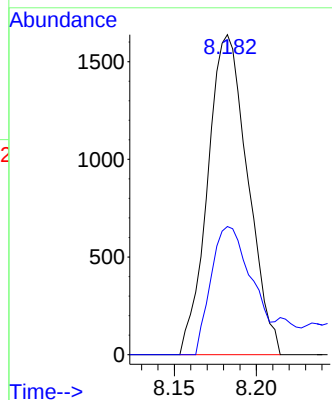
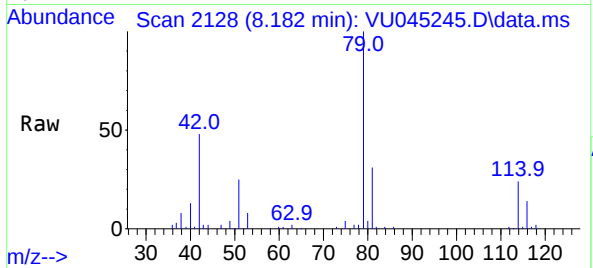




#44
trans-1,3-Dichloropropene
Concen: 0.755 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

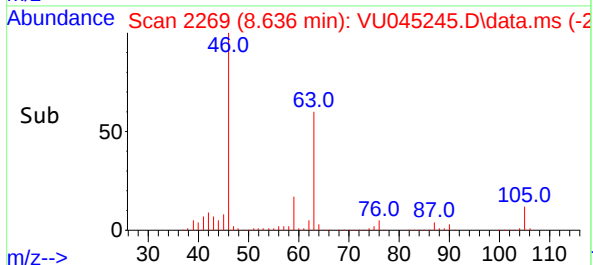
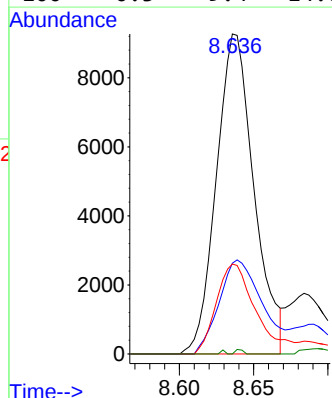
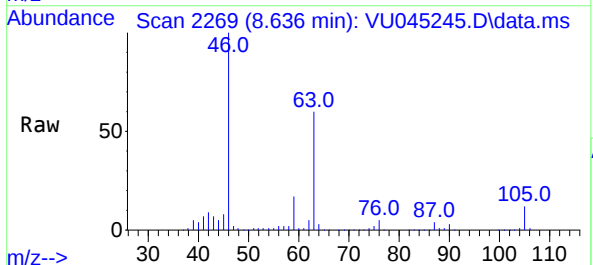
Instrument :
MSVOA_U
ClientSampled :

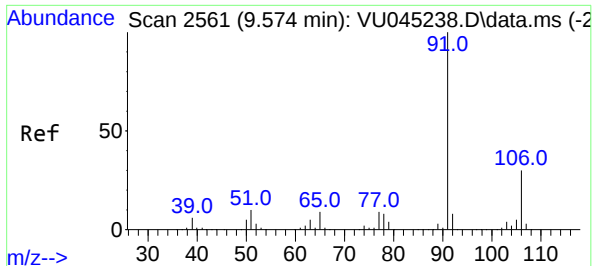
Tgt Ion: 75 Resp: 2780
Ion Ratio Lower Upper
75 100
77 40.0 21.7 40.3



#48
2-Hexanone
Concen: 4.077 ug/L
RT: 8.636 min Scan# 2269
Delta R.T. -0.055 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

Tgt Ion: 43 Resp: 16347
Ion Ratio Lower Upper
43 100
58 33.5 44.9 67.3#
57 28.1 15.5 23.3#
100 0.3 9.4 14.0#

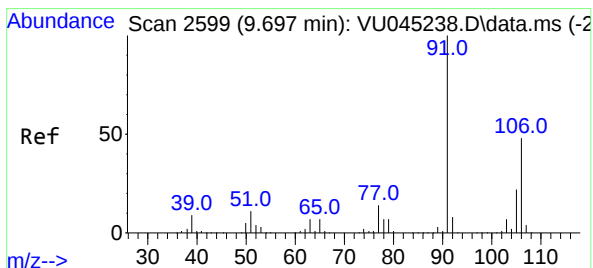
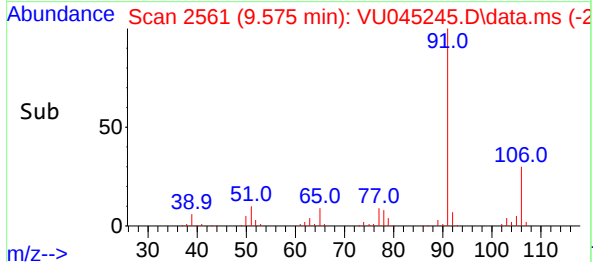
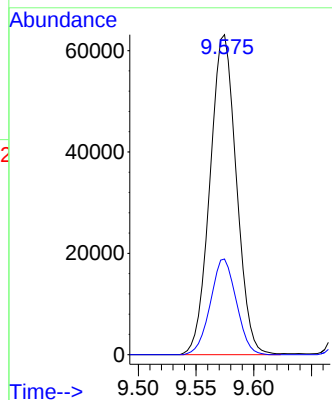
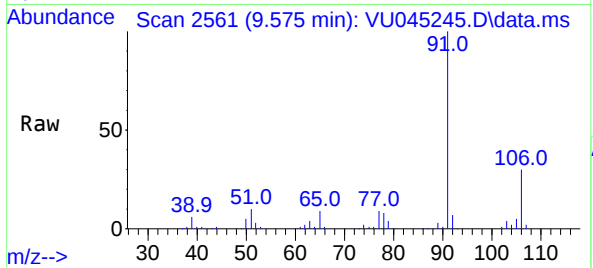




#52
Ethylbenzene
Concen: 9.402 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

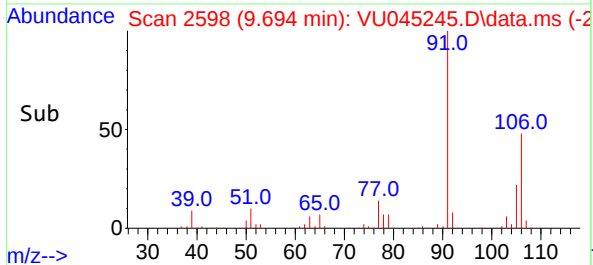
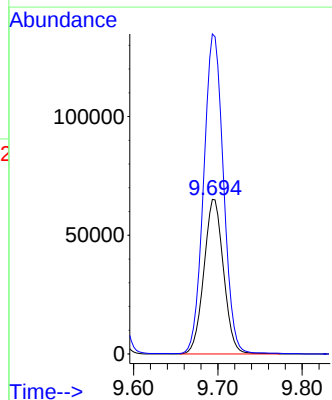
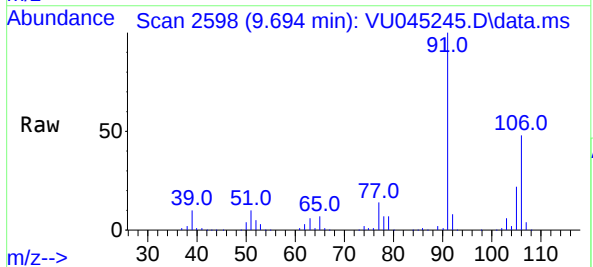
Instrument :
MSVOA_U
ClientSampled :

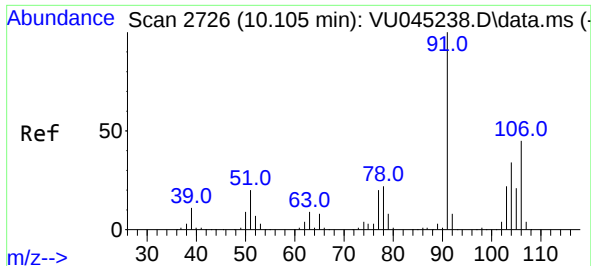
Tgt Ion: 91 Resp: 100329
Ion Ratio Lower Upper
91 100
106 29.9 21.2 39.4



#53
m,p-Xylene
Concen: 26.157 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

Tgt Ion:106 Resp: 105733
Ion Ratio Lower Upper
106 100
91 207.1 146.7 272.4

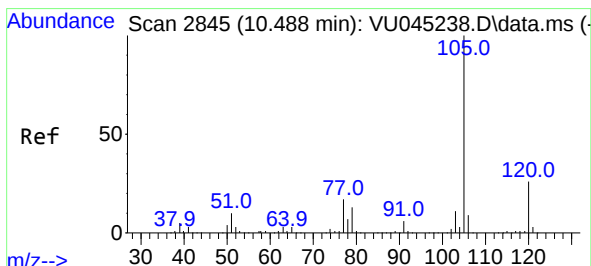
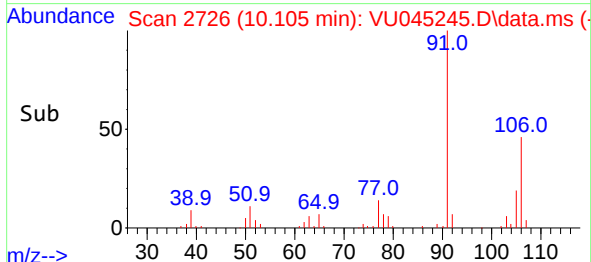
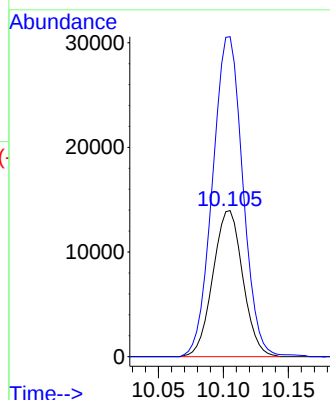
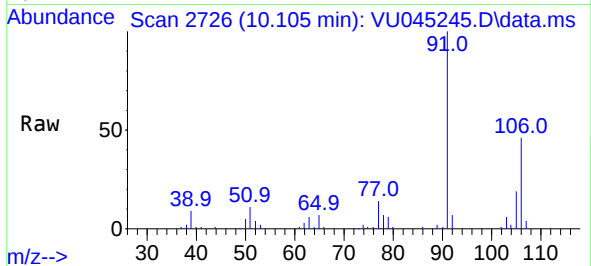




#54
o-xylene
Concen: 5.634 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

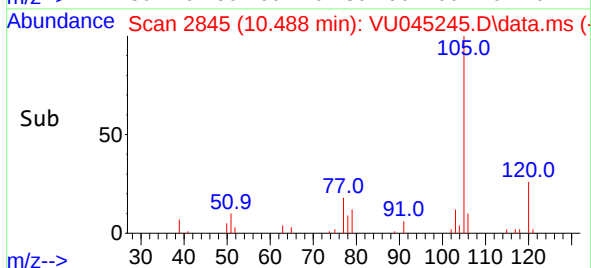
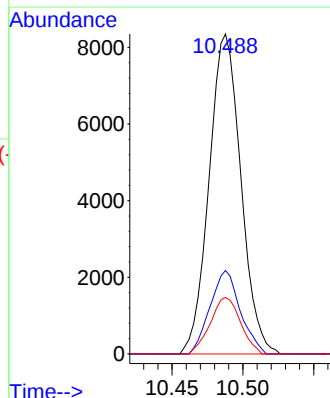
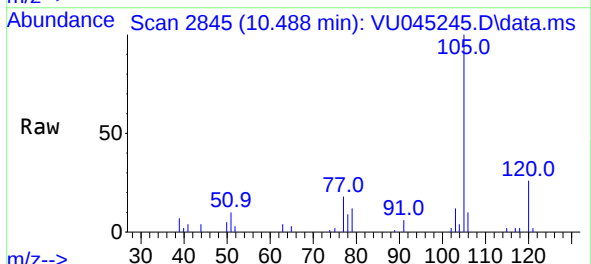
Instrument :
MSVOA_U
ClientSampleId :

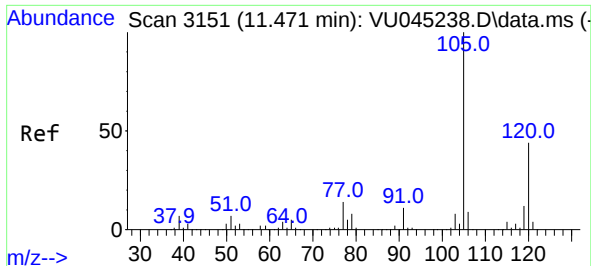
Tgt Ion:106 Resp: 22378
Ion Ratio Lower Upper
106 100
91 219.1 152.9 283.9



#61
Isopropylbenzene
Concen: 1.493 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

Tgt Ion:105 Resp: 13026
Ion Ratio Lower Upper
105 100
120 24.8 20.5 30.7
77 16.8 13.5 20.3

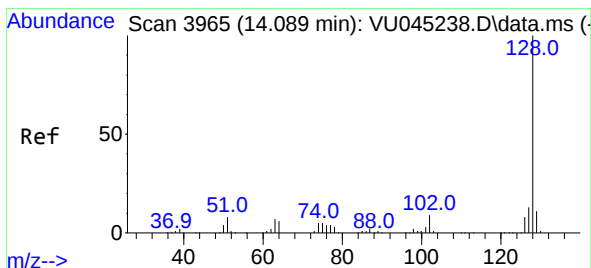
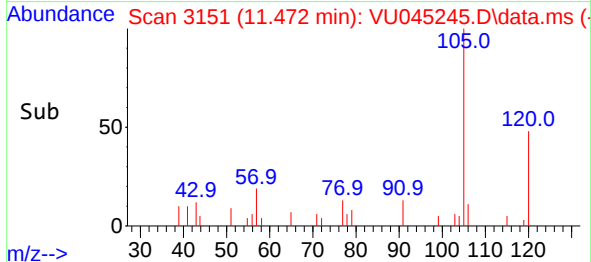
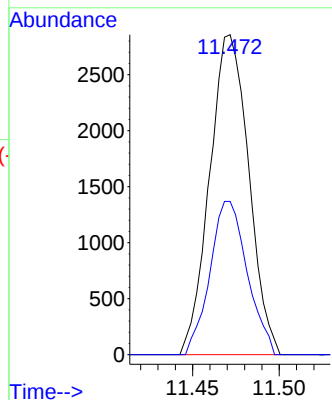
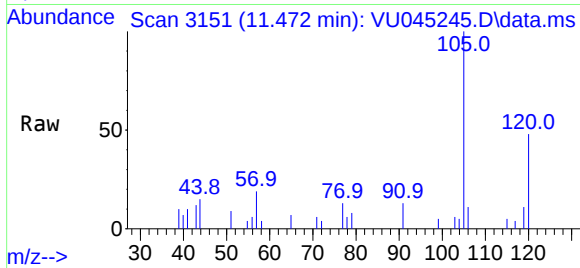




#63
1,2,4-Trimethylbenzene
Concen: 0.601 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 4485
Ion Ratio Lower Upper
105 100
120 45.6 35.7 53.5



#71
Naphthalene
Concen: 6.987 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045245.D
Acq: 08 Oct 2021 12:42

Tgt Ion:128 Resp: 56317
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.7 8.8 13.2

