

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112421\
 Data File : VU045990.D
 Acq On : 24 Nov 2021 13:27
 Operator : SY/MD
 Sample : M4722-08DL 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 26 00:20:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 26 00:17:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	93854	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	92491	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44120	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	19124	2.572	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	51.400%
7) Chloroethane-d5	1.919	69	30362	5.609	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.200%
11) 1,1-Dichloroethene-d2	2.572	65	13810	4.428	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	4.658	46	158922	79.751	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	159.500%#
24) Chloroform-d	5.067	84	79631	6.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	128.600%#
26) 1,2-Dichloroethane-d4	5.707	65	47009	6.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.400%
32) Benzene-d6	5.732	84	159705	6.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.400%#
36) 1,2-Dichloropropane-d6	6.694	67	53086	6.613	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	132.200%
41) Toluene-d8	7.899	98	139037	6.034	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.600%
43) trans-1,3-Dichloroprop...	8.182	79	15478	4.750	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.636	63	116924	79.717	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	159.440%#
56) 1,1,2,2-Tetrachloroeth...	10.758	84	49855	7.351	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	147.000%#
66) 1,2-Dichlorobenzene-d4	12.195	152	55941	7.384	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	147.600%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	357	0.058	ug/L #	21
15) Methyl Acetate	3.054	43	4343	1.509	ug/L #	51
27) 1,2-Dichloroethane	5.777	62	3050	0.378	ug/L #	73
30) Cyclohexane	5.391	56	7262	0.729	ug/L	99
33) Benzene	5.777	78	354449	13.733	ug/L	100
35) Methylcyclohexane	6.768	83	3824	0.374	ug/L	88
37) 1,2-Dichloropropane	6.694	63	5824	0.857	ug/L #	88
38) Bromodichloromethane	7.163	83	356	0.042	ug/L #	25
39) cis-1,3-Dichloropropene	7.565	75	1048	0.109	ug/L #	41
42) Toluene	7.973	91	22237	0.835	ug/L	100
48) 2-Hexanone	8.690	43	16375	5.088	ug/L #	91
52) Ethylbenzene	9.571	91	105454	3.781	ug/L	99
53) m,p-Xylene	9.700	106	4603	0.431	ug/L	96
60) Isopropylbenzene	10.488	105	6222	0.240	ug/L	99
61) 1,2,3-Trichloropropane	11.816	75	5475	1.195	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.468	105	2240	0.106	ug/L	95
63) 1,2,4-Trimethylbenzene	11.468	105	2240	0.106	ug/L	99
71) Naphthalene	14.086	128	15534	0.989	ug/L	99

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Response via : Initial Calibration

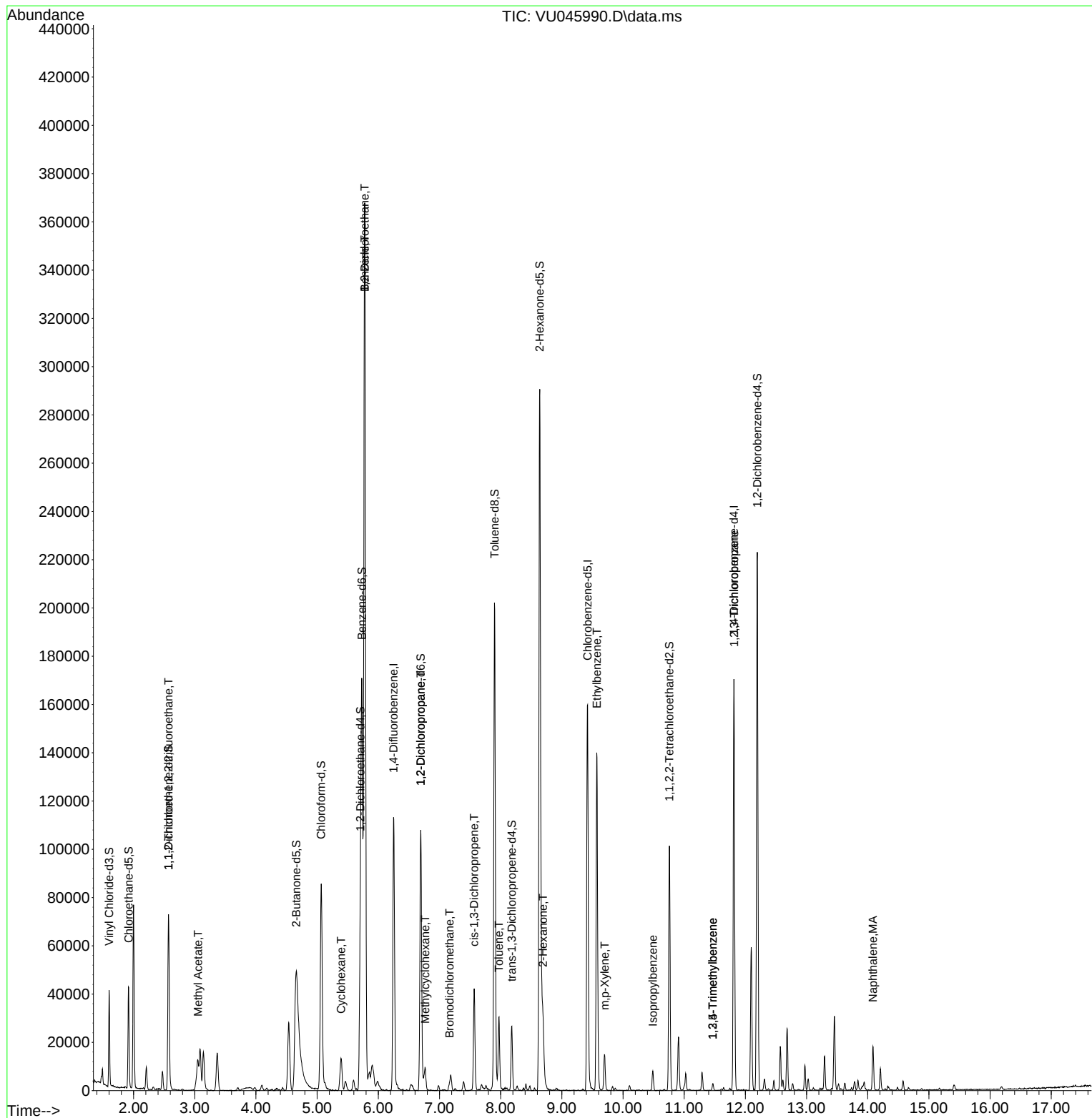
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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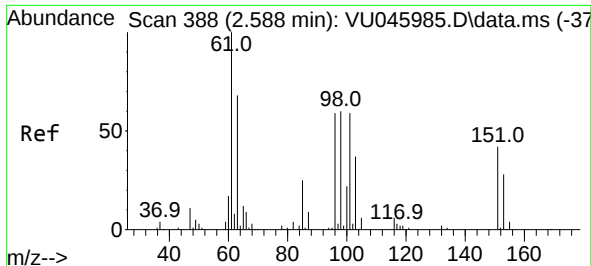
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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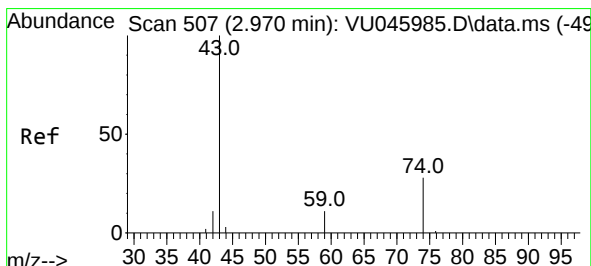
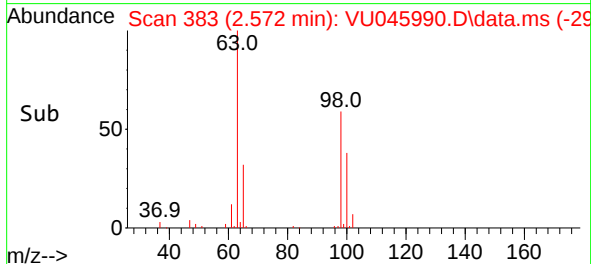
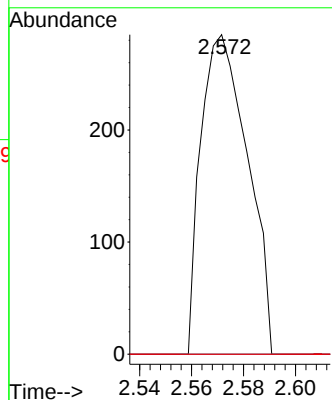
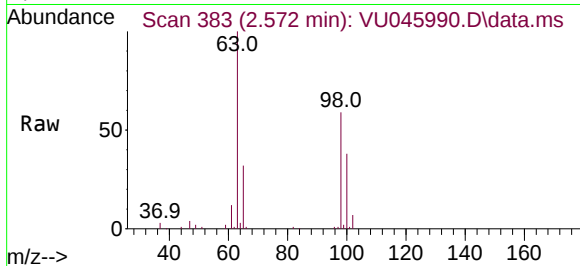




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.058 ug/L
RT: 2.572 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

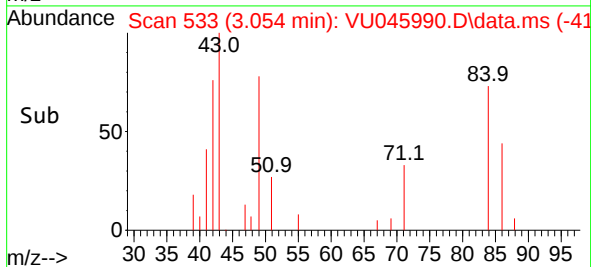
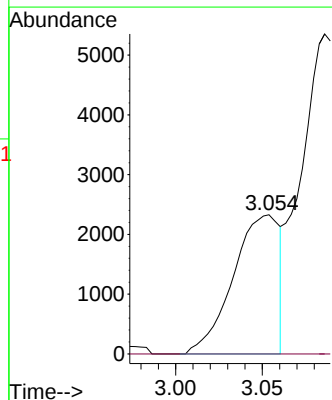
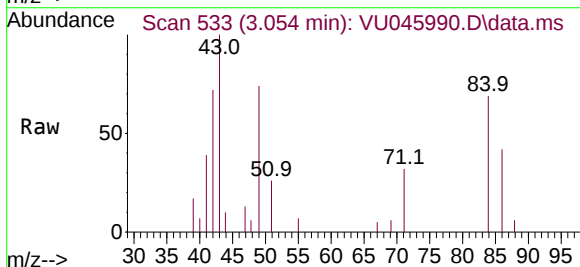
Instrument :
MSVOA_U
ClientSampleId :

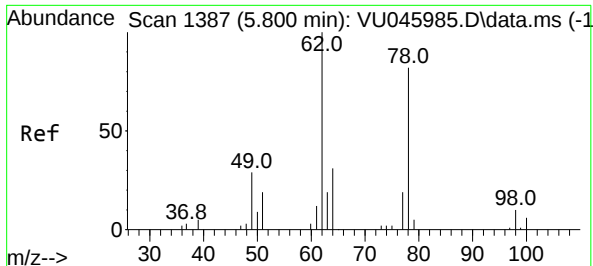
Tgt Ion:101 Resp: 357
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#



#15
Methyl Acetate
Concen: 1.509 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.084 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

Tgt Ion: 43 Resp: 4343
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#





#27

1,2-Dichloroethane

Concen: 0.378 ug/L

RT: 5.777 min Scan# 1

Delta R.T. -0.022 min

Lab File: VU045990.D

Acq: 24 Nov 2021 13:27

Instrument :

MSVOA_U

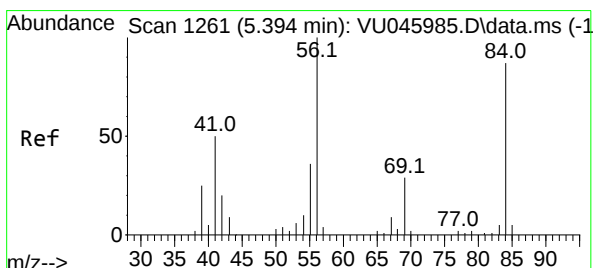
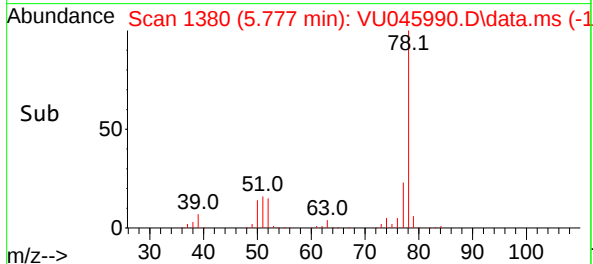
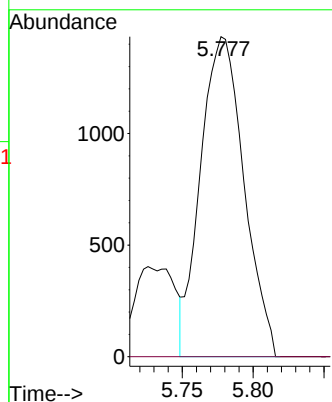
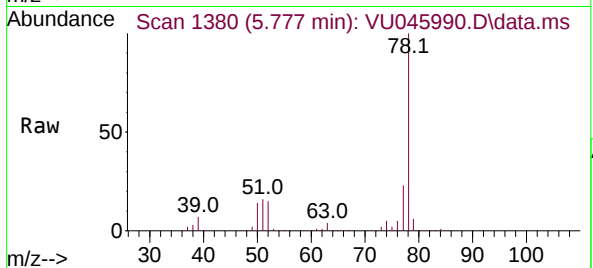
ClientSampleId :

Tgt Ion: 62 Resp: 3050

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



#30

Cyclohexane

Concen: 0.729 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU045990.D

Acq: 24 Nov 2021 13:27

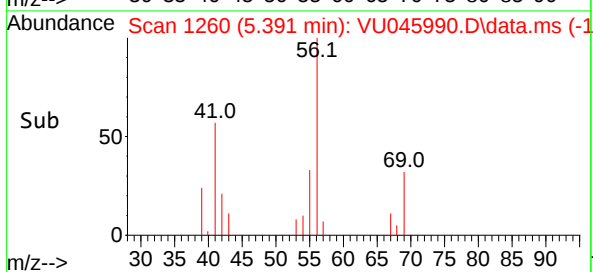
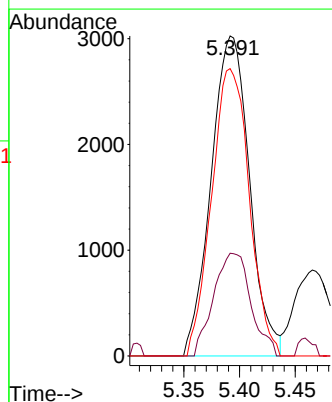
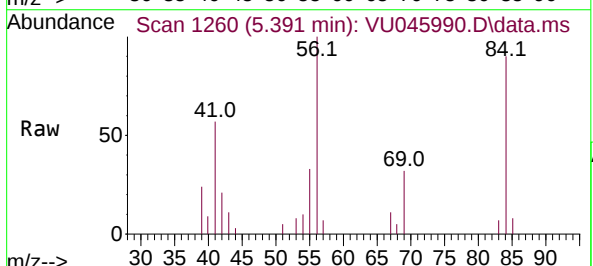
Tgt Ion: 56 Resp: 7262

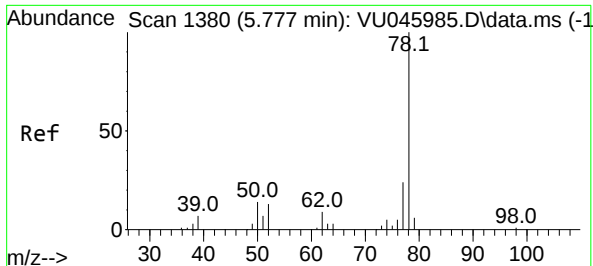
Ion Ratio Lower Upper

56 100

69 31.2 24.7 37.1

84 88.1 71.8 107.6

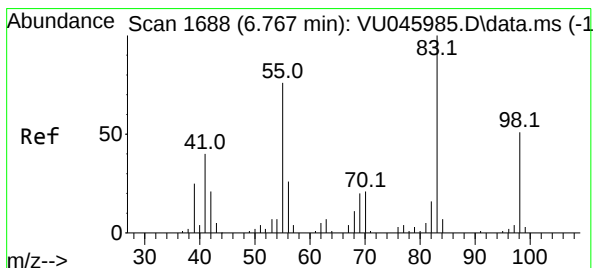
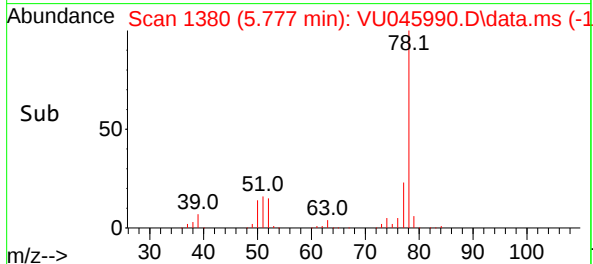
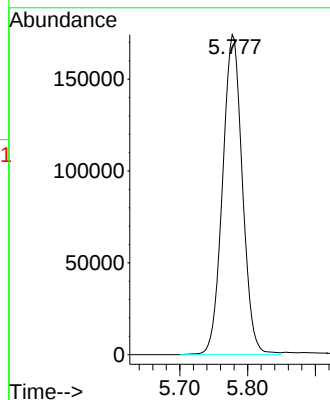
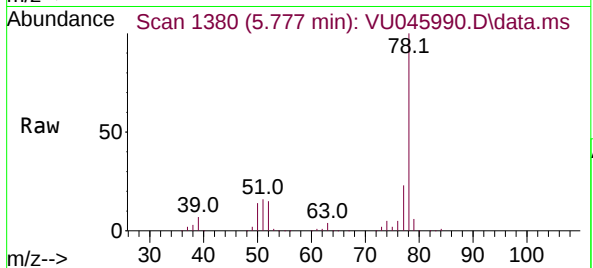




#33
Benzene
Concen: 13.733 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

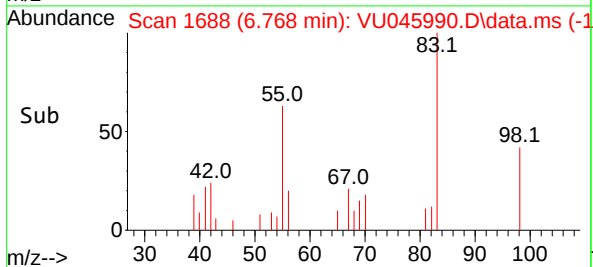
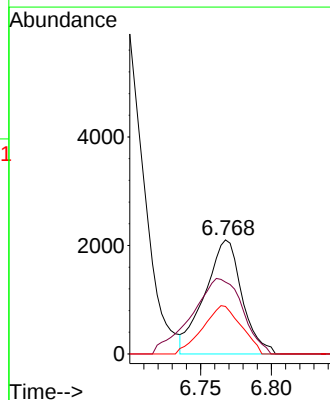
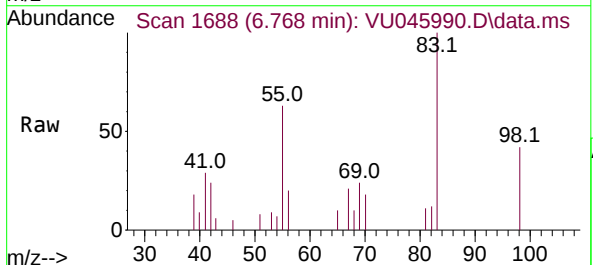
Instrument :
MSVOA_U
ClientSampleId :

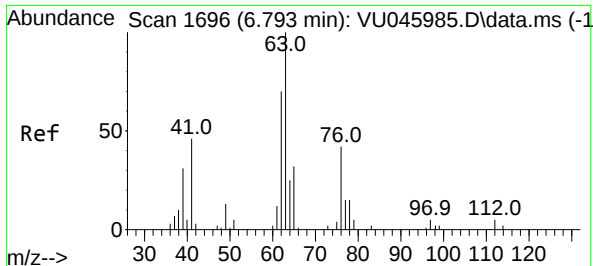
Tgt Ion: 78 Resp: 354449



#35
Methylcyclohexane
Concen: 0.374 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

Tgt Ion: 83 Resp: 3824
Ion Ratio Lower Upper
83 100
55 90.7 61.9 92.9
98 43.8 39.0 58.6





#37

1,2-Dichloropropane

Concen: 0.857 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU045990.D

Acq: 24 Nov 2021 13:27

Instrument :

MSVOA_U

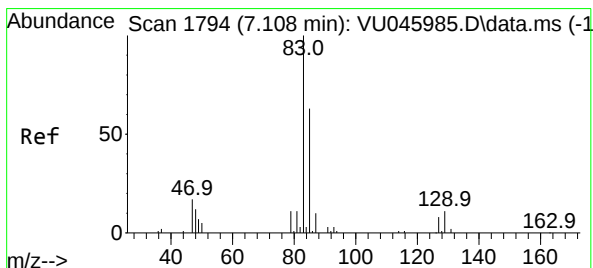
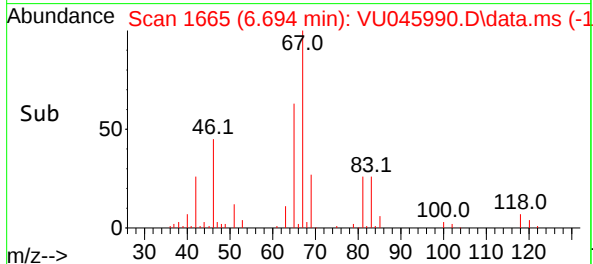
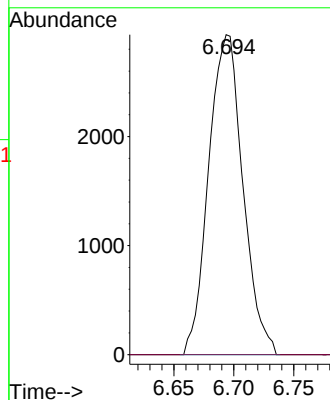
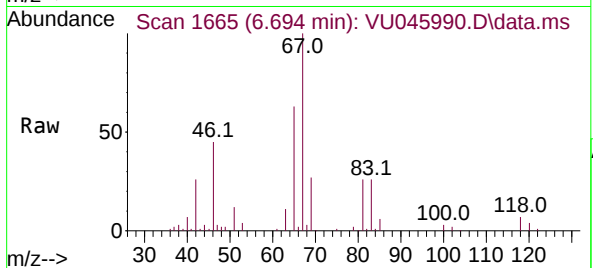
ClientSampleId :

Tgt Ion: 63 Resp: 5824

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.042 ug/L

RT: 7.163 min Scan# 1811

Delta R.T. 0.055 min

Lab File: VU045990.D

Acq: 24 Nov 2021 13:27

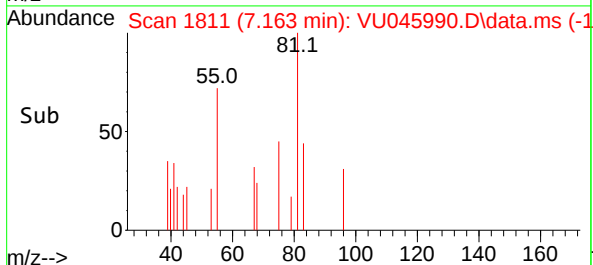
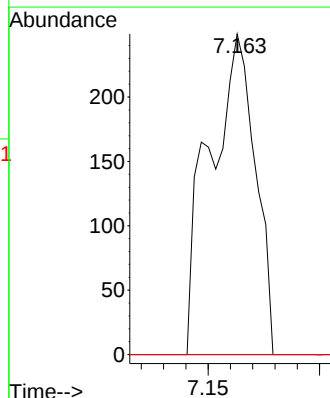
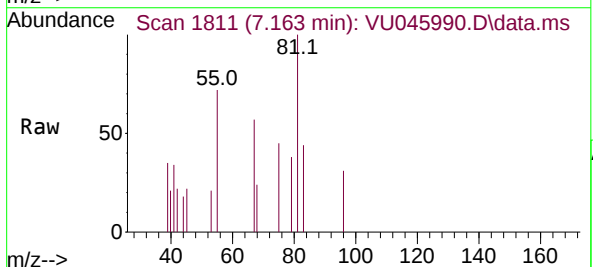
Tgt Ion: 83 Resp: 356

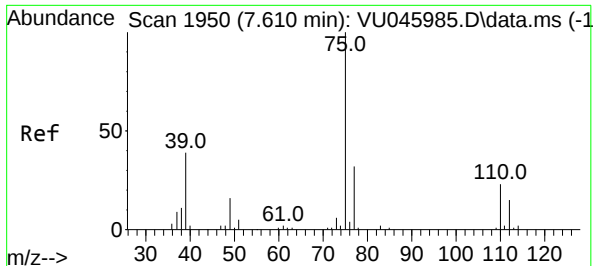
Ion Ratio Lower Upper

83 100

85 0.0 44.0 81.8#

127 0.0 6.3 9.5#





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU045990.D

Acq: 24 Nov 2021 13:27

Instrument :

MSVOA_U

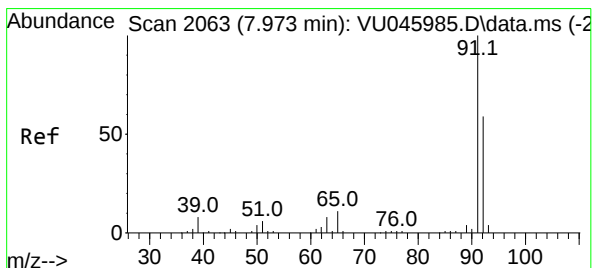
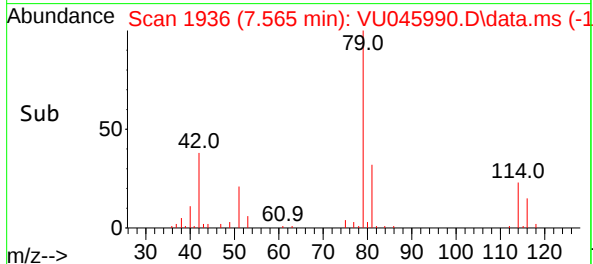
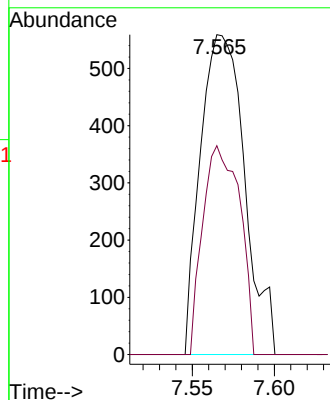
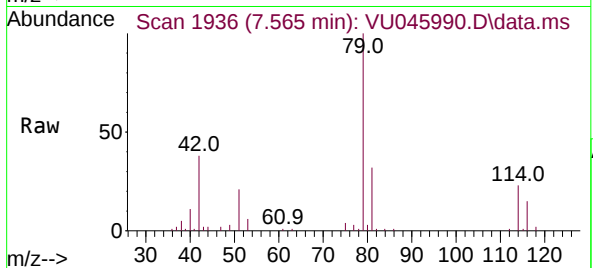
ClientSampleId :

Tgt Ion: 75 Resp: 1048

Ion Ratio Lower Upper

75 100

77 65.3 22.5 41.9#



#42

Toluene

Concen: 0.835 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045990.D

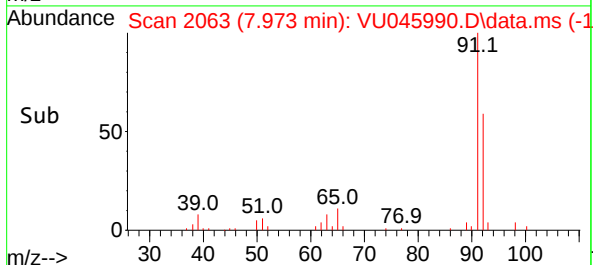
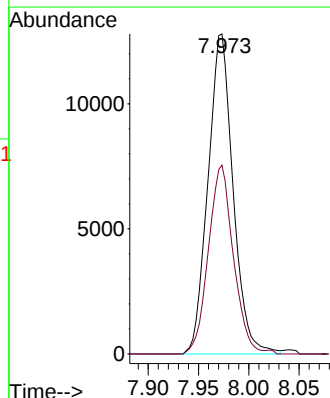
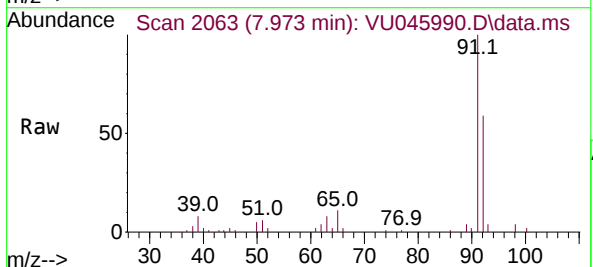
Acq: 24 Nov 2021 13:27

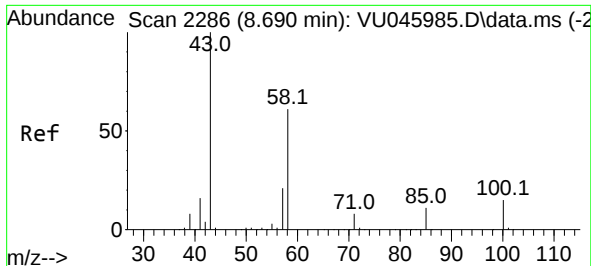
Tgt Ion: 91 Resp: 22237

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7

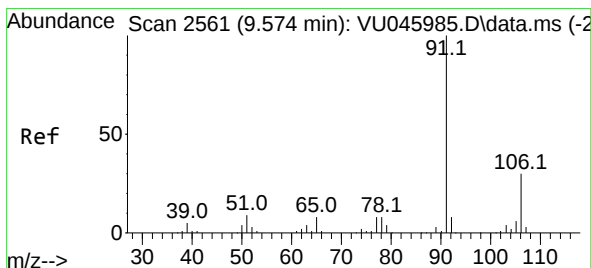
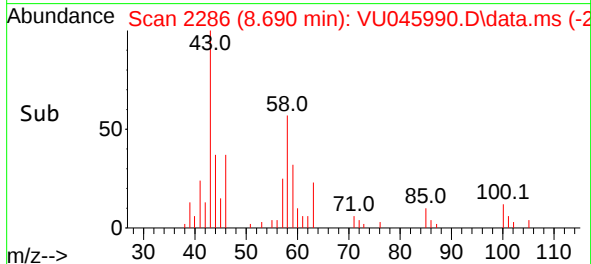
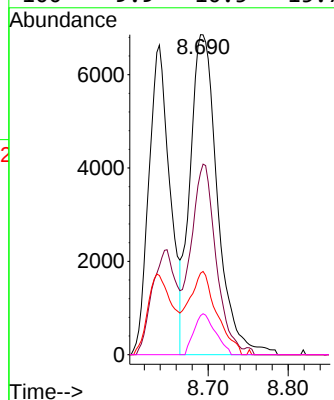
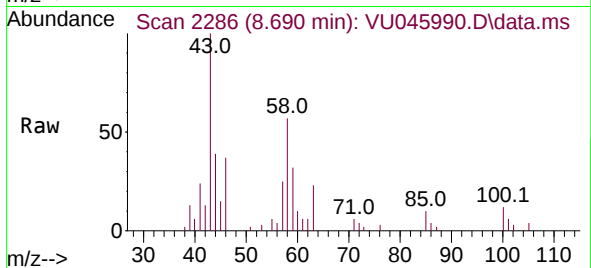




#48
2-Hexanone
Concen: 5.088 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

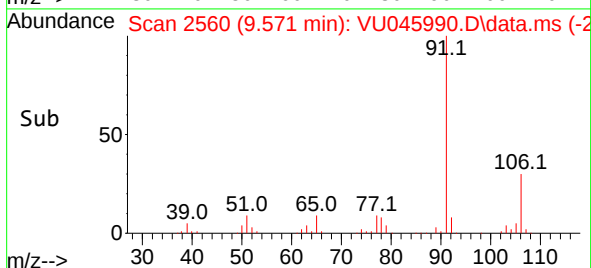
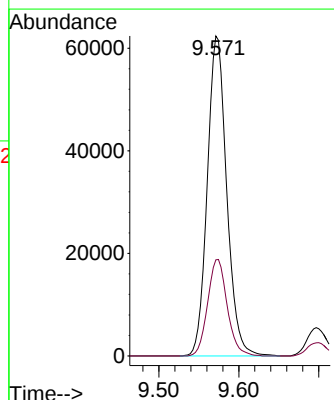
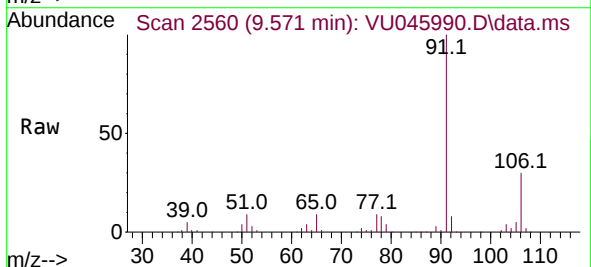
Instrument :
MSVOA_U
ClientSampleId :

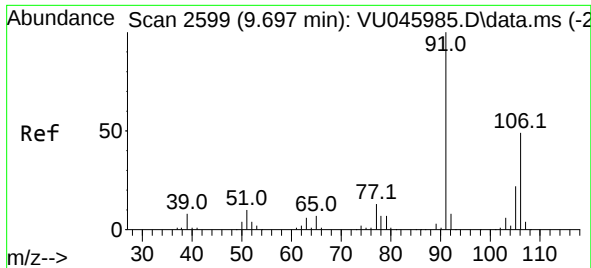
Tgt Ion: 43	Resp: 16375
Ion Ratio	Lower Upper
43	100
58	52.5 46.7 70.1
57	26.6 16.3 24.5#
100	9.9 10.5 15.7#



#52
Ethylbenzene
Concen: 3.781 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

Tgt Ion: 91	Resp: 105454
Ion Ratio	Lower Upper
91	100
106	30.1 21.5 39.9

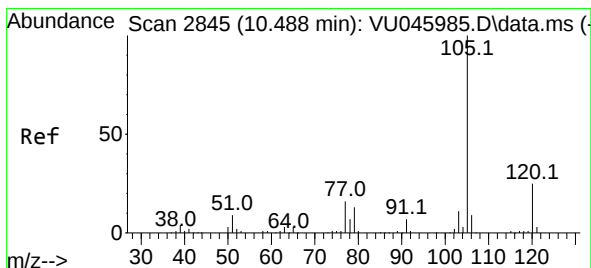
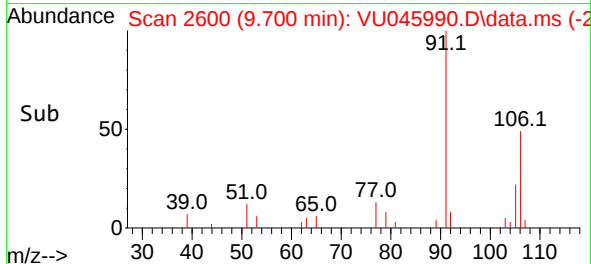
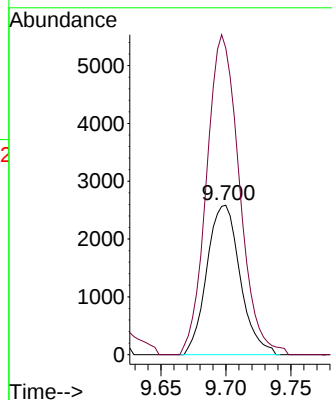
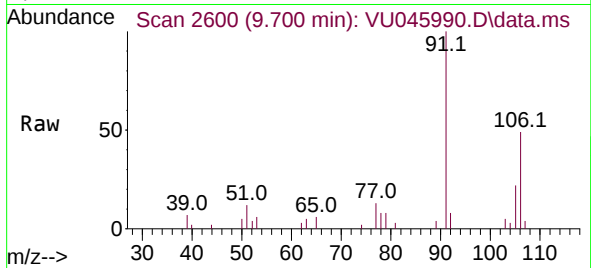




#53
m,p-Xylene
Concen: 0.431 ug/L
RT: 9.700 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

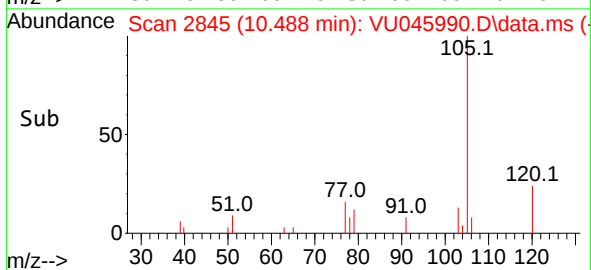
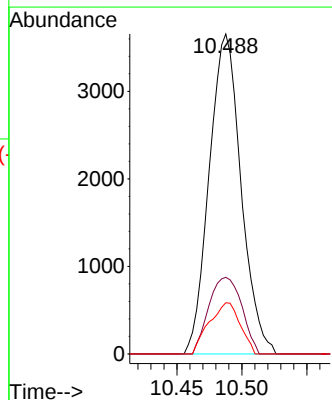
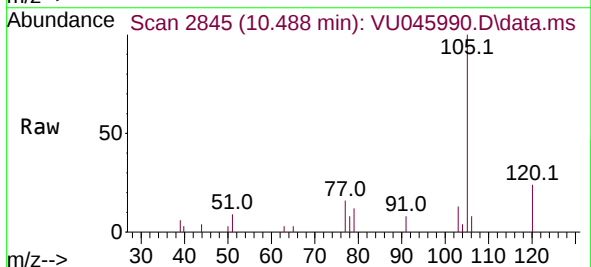
Instrument :
MSVOA_U
ClientSampleId :

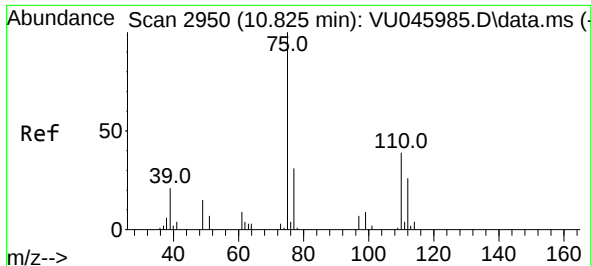
Tgt Ion:106 Resp: 4603
Ion Ratio Lower Upper
106 100
91 205.2 139.4 259.0



#60
Isopropylbenzene
Concen: 0.240 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

Tgt Ion:105 Resp: 6222
Ion Ratio Lower Upper
105 100
120 24.9 20.7 31.1
77 15.5 12.6 19.0

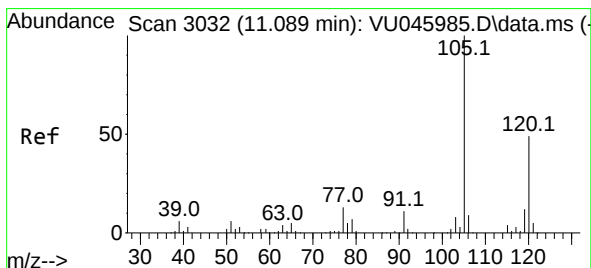
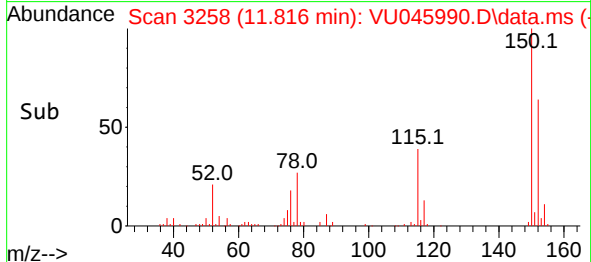
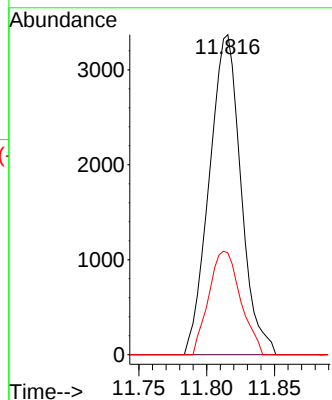
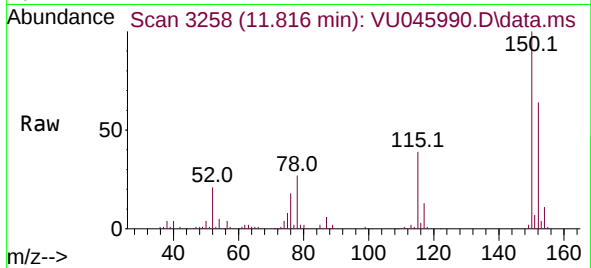




#61
1,2,3-Trichloropropane
Concen: 1.195 ug/L
RT: 11.816 min Scan# 3150
Delta R.T. 0.990 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

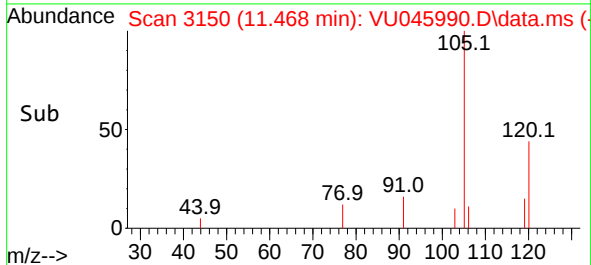
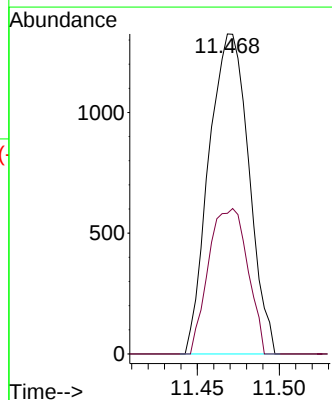
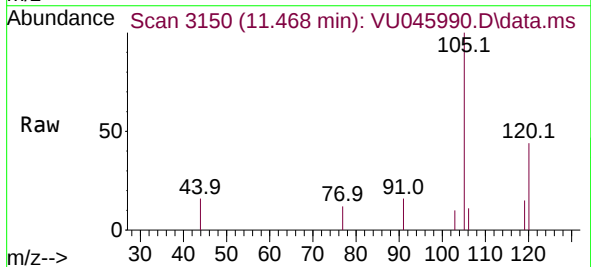
Instrument :
MSVOA_U
ClientSampleId :

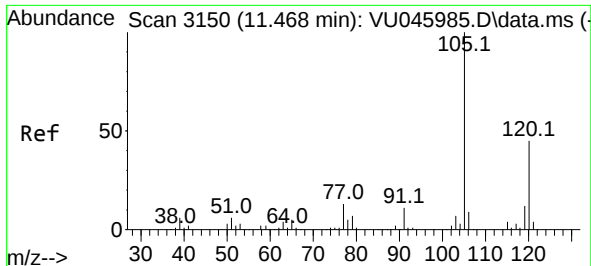
Tgt Ion: 75 Resp: 5475
Ion Ratio Lower Upper
75 100
110 0.0 29.9 44.9#
77 32.4 25.5 38.3



#62
1,3,5-Trimethylbenzene
Concen: 0.106 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.380 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

Tgt Ion: 105 Resp: 2240
Ion Ratio Lower Upper
105 100
120 44.4 38.3 57.5

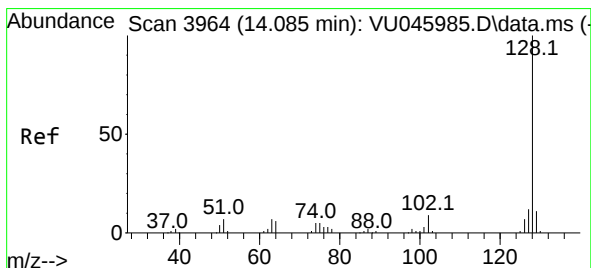
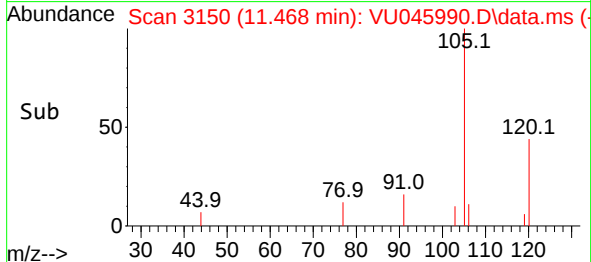
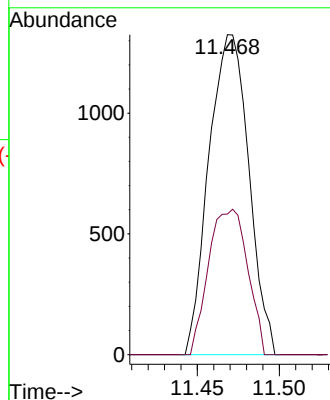
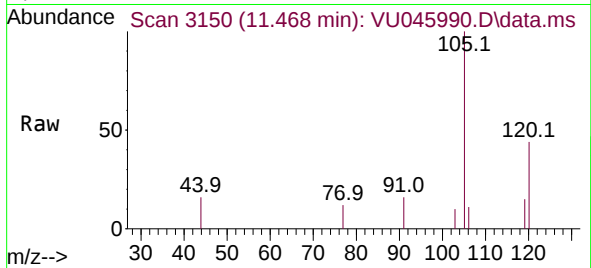




#63
1,2,4-Trimethylbenzene
Concen: 0.106 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 2240
Ion Ratio Lower Upper
105 100
120 44.4 35.8 53.8



#71
Naphthalene
Concen: 0.989 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU045990.D
Acq: 24 Nov 2021 13:27

Tgt Ion:128 Resp: 15534
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 12.4 10.2 15.2

