

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040267.D
 Acq On : 24 Sep 2020 12:42
 Operator : SY/MD
 Sample : VU0924WBL07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK202

Quant Time: Sep 25 09:41:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:34:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	400870	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	393974	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	180622	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	151450	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.86%
7) Chloroethane-d5	1.92	69	117299	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.86%
11) 1,1-Dichloroethene-d2	2.58	63	228705	35.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.60%
21) 2-Butanone-d5	4.65	46	292652	103.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.62%
24) Chloroform-d	5.08	84	273755	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
26) 1,2-Dichloroethane-d4	5.72	65	198876	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
32) Benzene-d6	5.75	84	535887	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
36) 1,2-Dichloropropane-d6	6.70	67	181072	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.88%
41) Toluene-d8	7.91	98	469058	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%
43) trans-1,3-Dichloropropene-	8.19	79	89886	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
47) 2-Hexanone-d5	8.64	63	176950	105.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.74%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	250005	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
66) 1,2-Dichlorobenzene-d4	12.19	152	178659	51.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.82%

Target Compounds

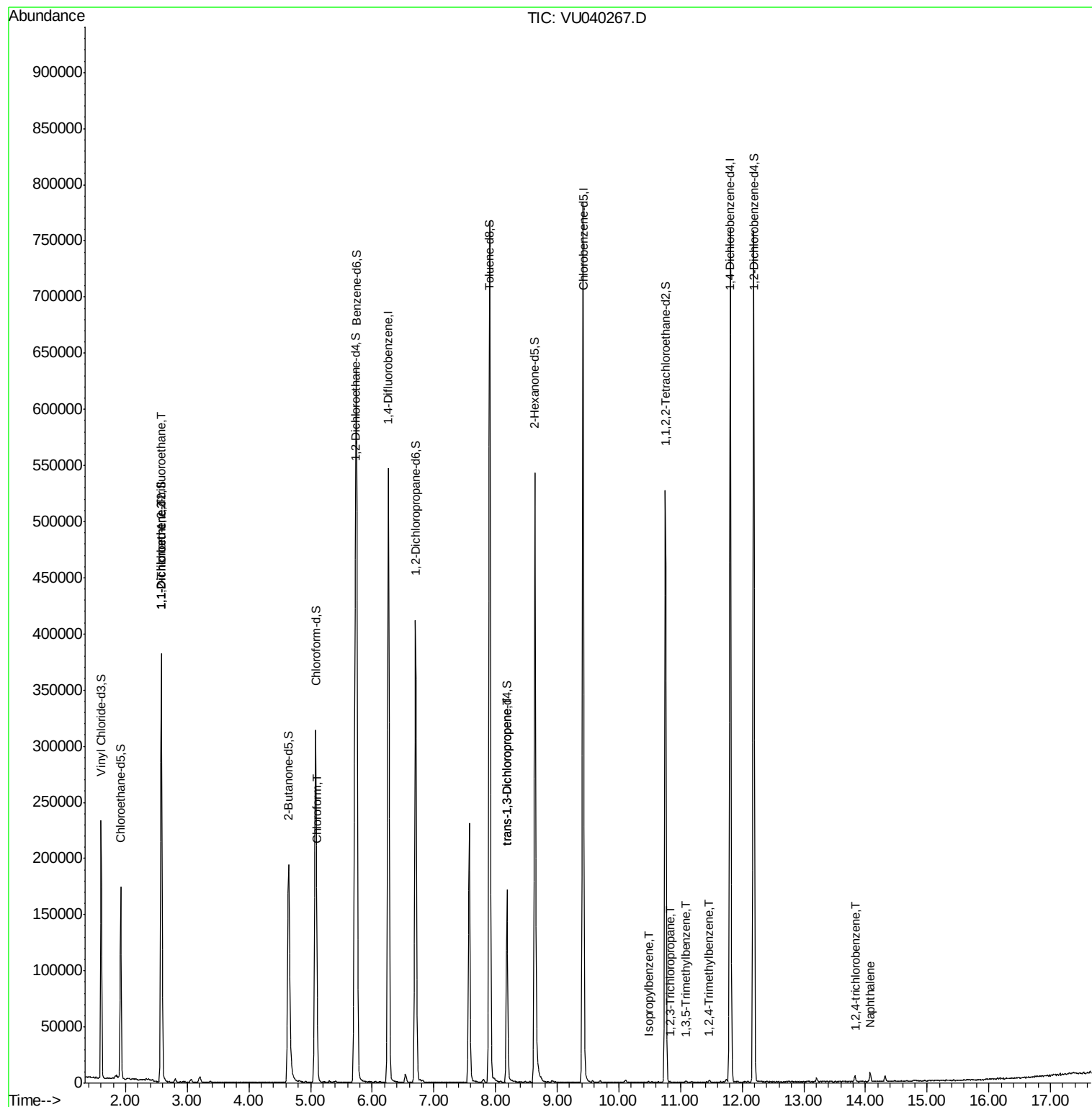
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	2071	0.680	ug/L #	28
12) 1,1-Dichloroethene	2.58	96	1793	0.631	ug/L #	1
25) Chloroform	5.11	83	6535	1.049	ug/L	95
44) trans-1,3-Dichloropropene	8.19	75	5003	0.938	ug/L	92
60) 1,2,3-Trichloropropane	10.83	75	531	0.124	ug/L #	40
61) Isopropylbenzene	10.48	105	753	0.060	ug/L #	87
62) 1,3,5-Trimethylbenzene	11.09	105	281	0.027	ug/L #	1
63) 1,2,4-Trimethylbenzene	11.47	105	1058	0.102	ug/L #	85
70) 1,2,4-trichlorobenzene	13.83	180	1939	0.582	ug/L	98
71) Naphthalene	14.08	128	6978	0.677	ug/L #	94

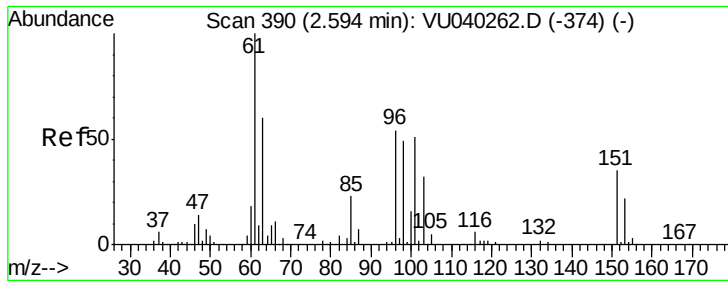
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.680 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040267.D

Acq: 24 Sep 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

VBLK202

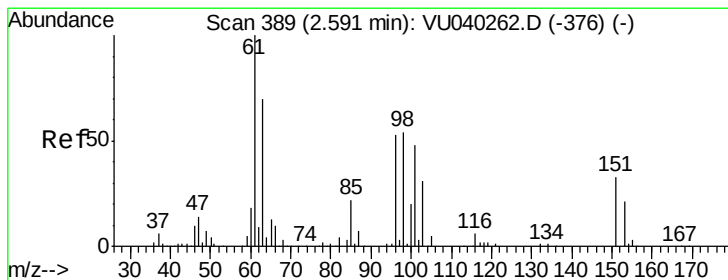
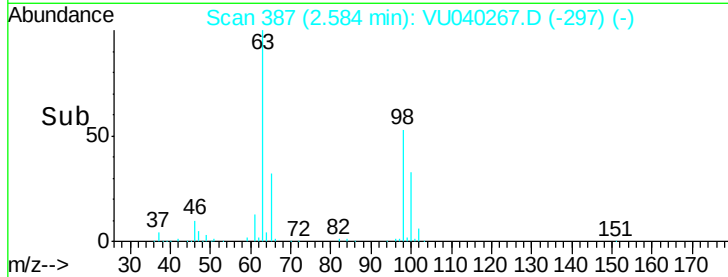
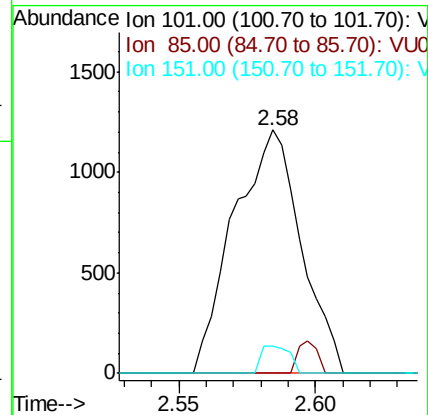
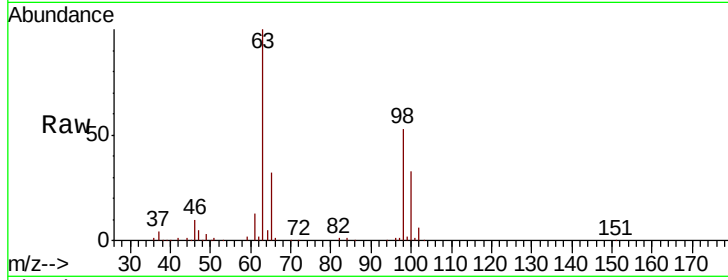
Tot Ion:101 Resp: 2071

Ion Ratio Lower Upper

101 100

85 3.9 36.0 54.0#

151 4.6 54.5 81.7#



#12

1,1-Dichloroethene

Concen: 0.631 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040267.D

Acq: 24 Sep 2020 12:42

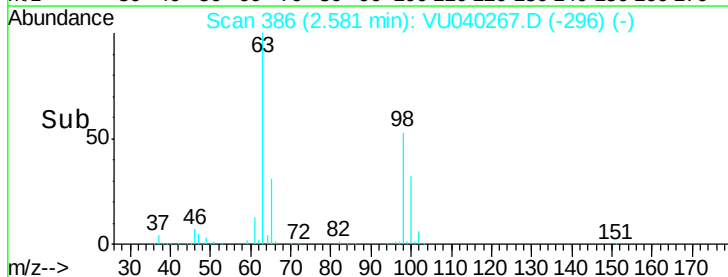
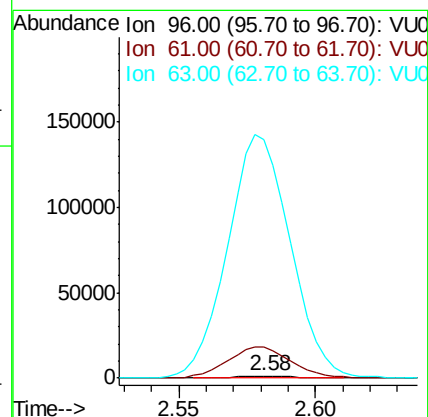
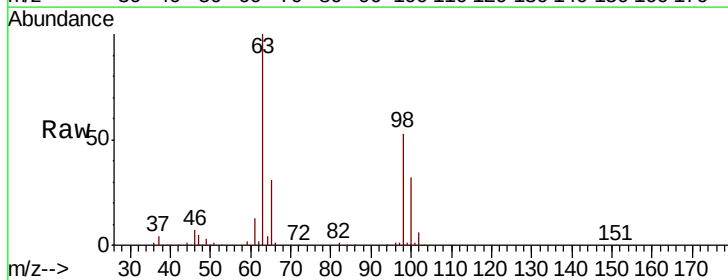
Tgt Ion: 96 Resp: 1793

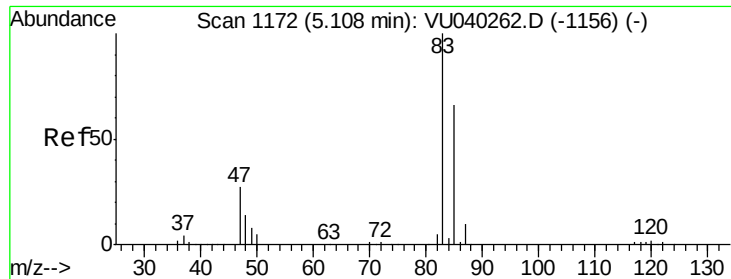
Ion Ratio Lower Upper

96 100

61 1667.4 131.8 244.8#

63 12918.5 94.1 174.7#

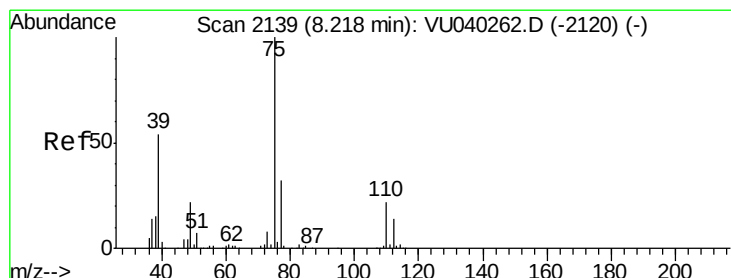
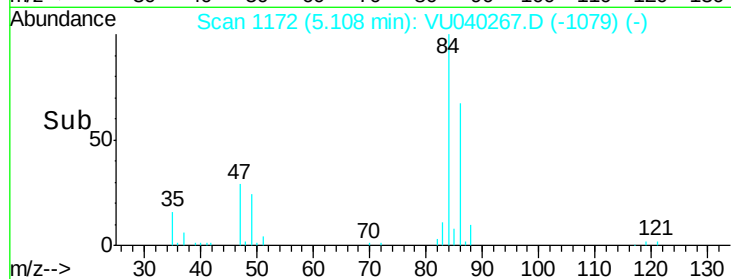
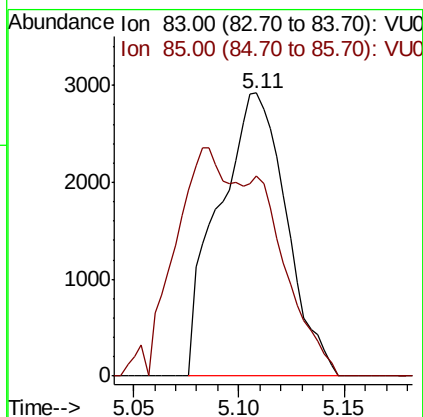
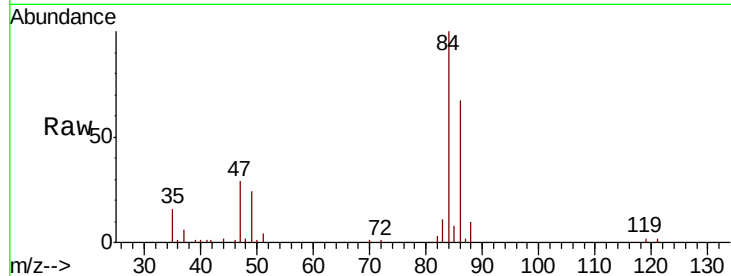




#25
Chloroform
Concen: 1.049 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040267.D
Acq: 24 Sep 2020 12:42

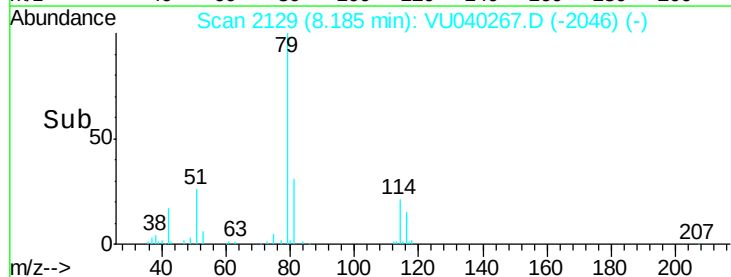
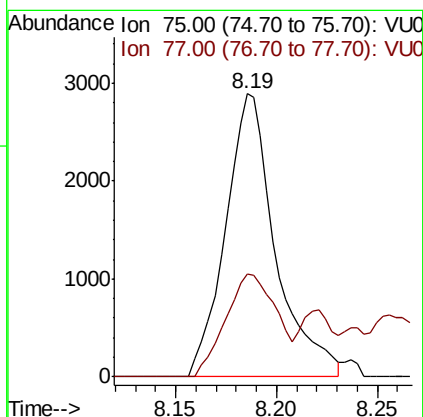
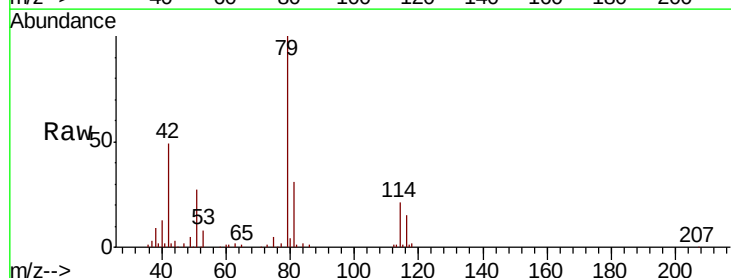
Instrument :
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VBLK202

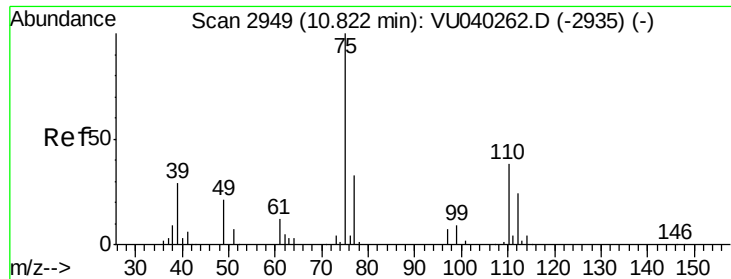
Tot Ion: 83 Resp: 6535
Ion Ratio Lower Upper
83 100
85 70.5 46.4 86.2



#44
trans-1,3-Dichloropropene
Concen: 0.938 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040267.D
Acq: 24 Sep 2020 12:42

Tgt Ion: 75 Resp: 5003
Ion Ratio Lower Upper
75 100
77 36.4 22.5 41.7

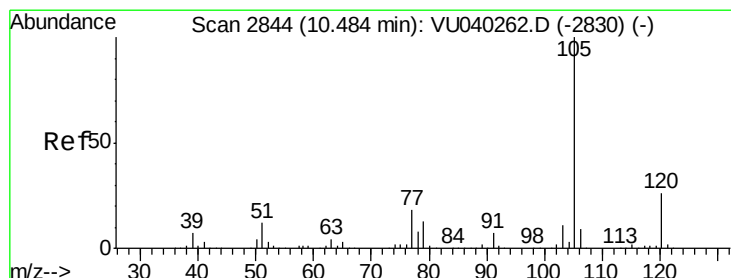
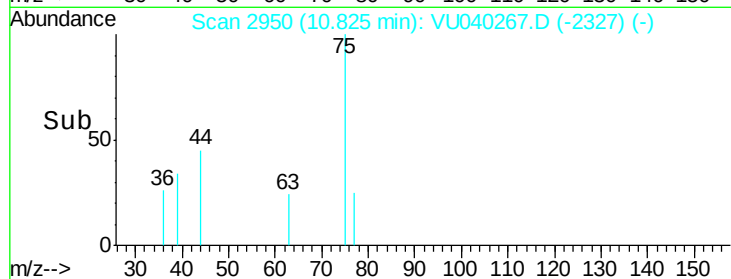
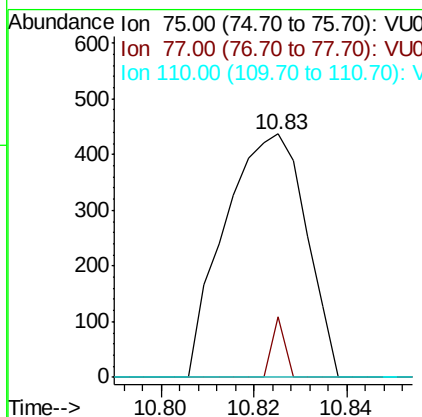
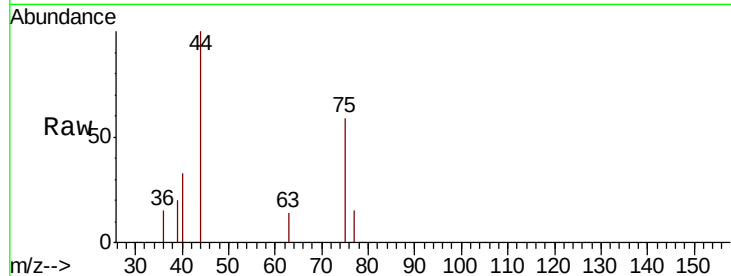




#60
 1,2,3-Trichloropropane
 Concen: 0.124 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU040267.D
 Acq: 24 Sep 2020 12:42

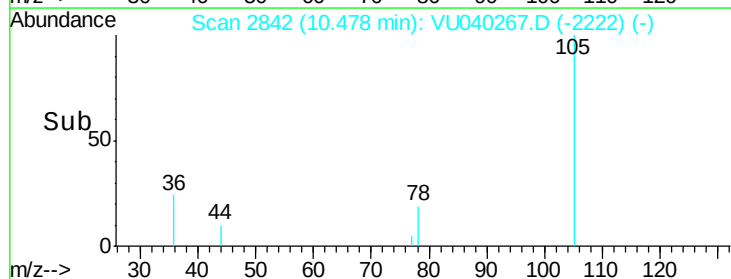
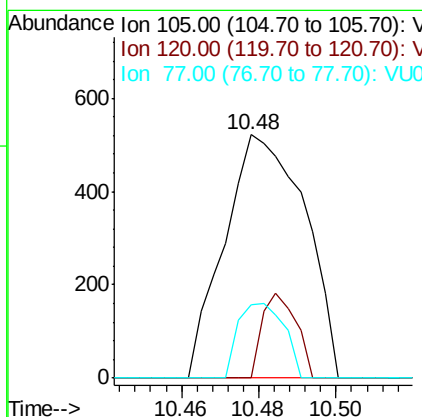
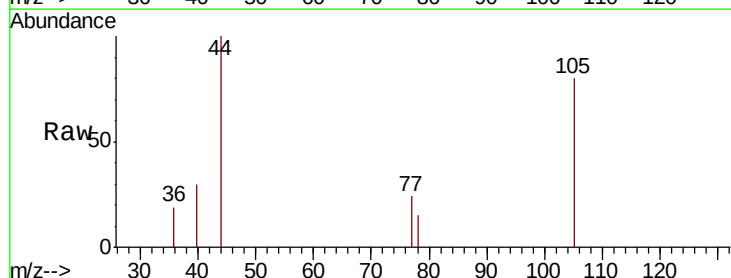
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK202

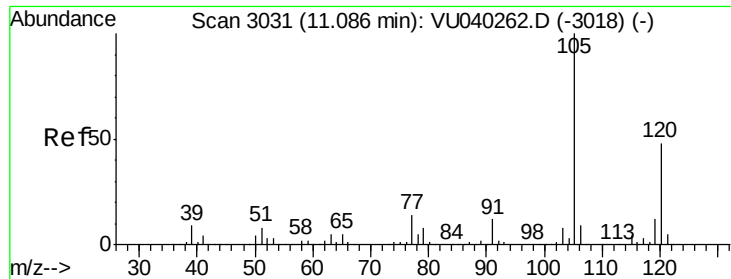
Tot Ion: 75 Resp: 531
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.0 39.0#
 110 0.0 29.8 44.8#



#61
 Isopropylbenzene
 Concen: 0.060 ug/L
 RT: 10.48 min Scan# 2842
 Delta R.T. -0.01 min
 Lab File: VU040267.D
 Acq: 24 Sep 2020 12:42

Tgt Ion: 105 Resp: 753
 Ion Ratio Lower Upper
 105 100
 120 14.7 20.6 30.8#
 77 17.4 13.8 20.6





#62

1,3,5-Trimethylbenzene

Concen: 0.027 ug/L

RT: 11.09 min Scan# 3033

Delta R.T. 0.01 min

Lab File: VU040267.D

Acq: 24 Sep 2020 12:42

Instrument :

MSVOA_U

ClientSampleId :

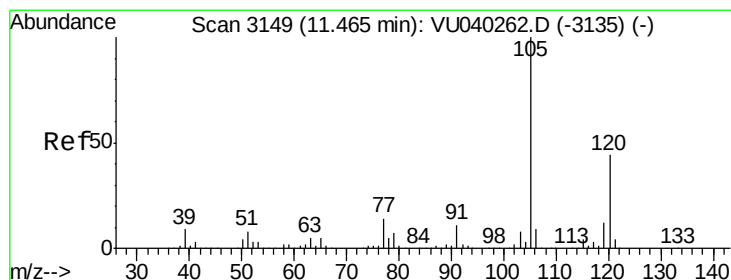
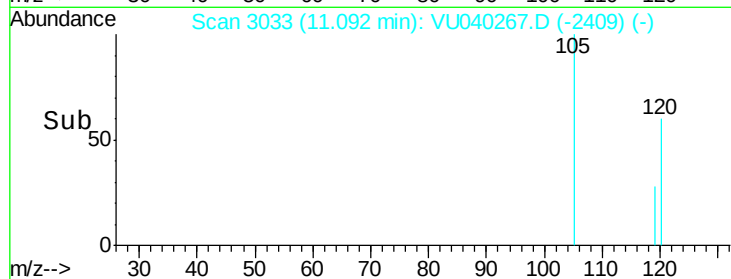
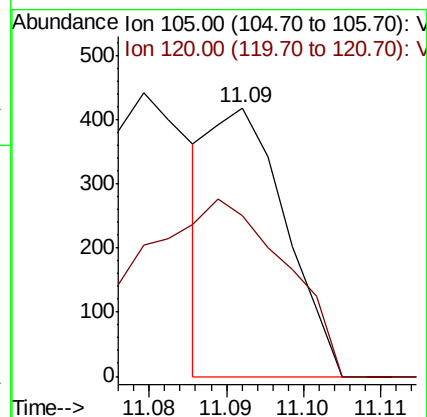
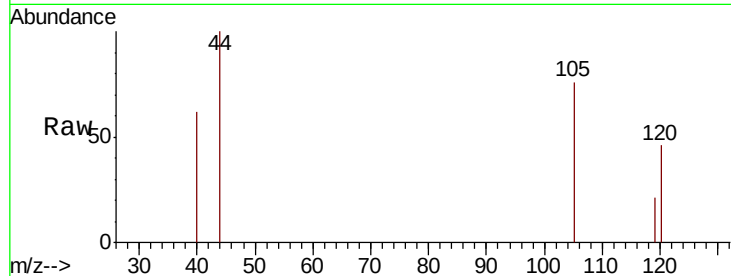
VBLK202

Tot Ion:105 Resp: 281

Ion Ratio Lower Upper

105 100

120 124.6 38.7 58.1#



#63

1,2,4-Trimethylbenzene

Concen: 0.102 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040267.D

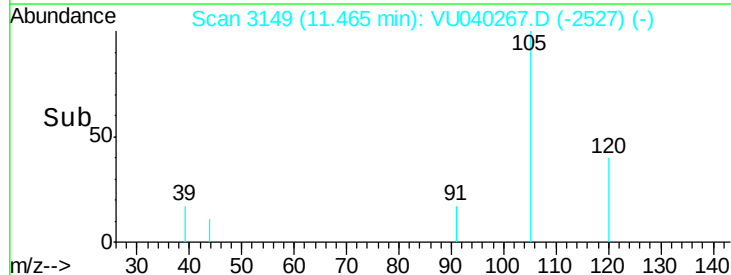
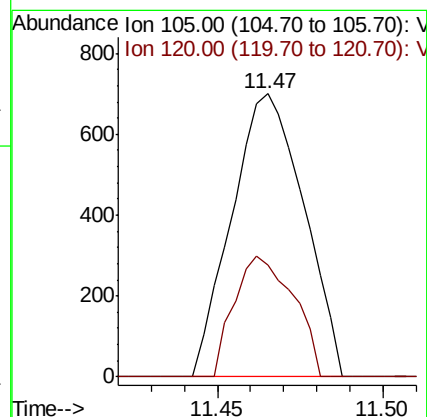
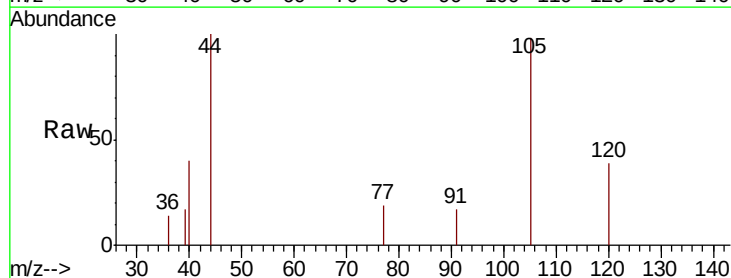
Acq: 24 Sep 2020 12:42

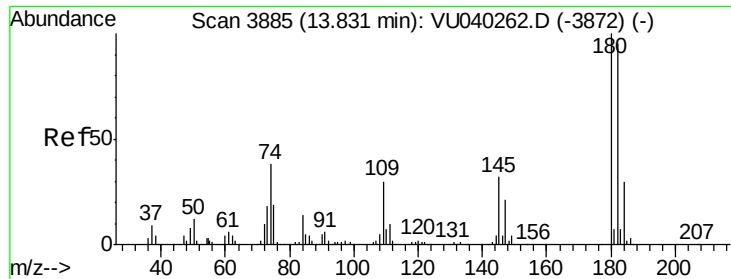
Tgt Ion:105 Resp: 1058

Ion Ratio Lower Upper

105 100

120 35.0 35.8 53.6#





#70

1,2,4-trichlorobenzene

Concen: 0.582 ug/L

RT: 13.83 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VU040267.D

Acq: 24 Sep 2020 12:42

Instrument :

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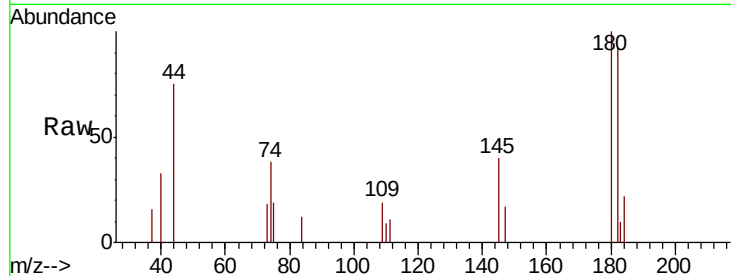
Tot Ion:180 Resp: 1939

Ion Ratio Lower Upper

180 100

182 97.3 76.3 114.5

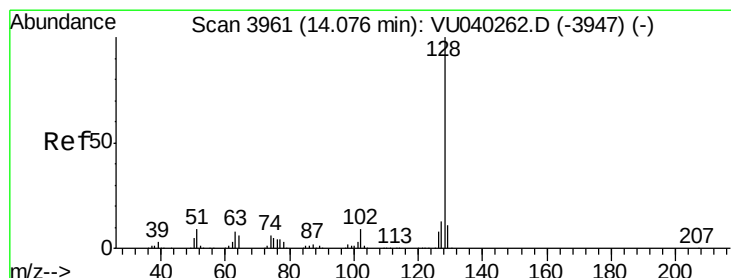
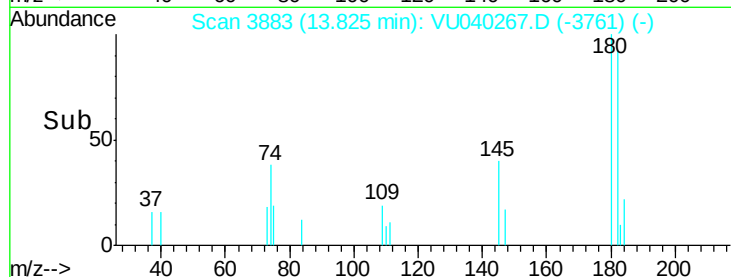
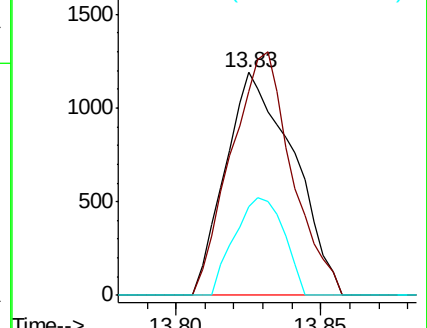
145 32.0 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 0.677 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040267.D

Acq: 24 Sep 2020 12:42

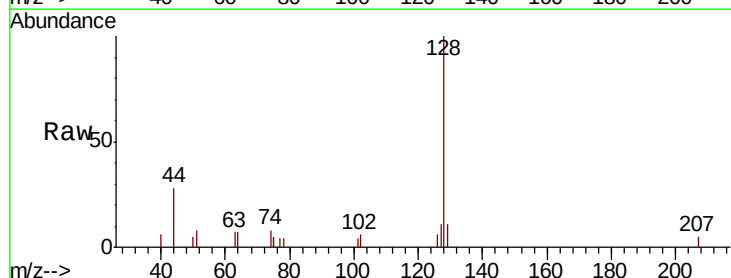
Tgt Ion:128 Resp: 6978

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

129 8.1 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

