

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040445.D
 Acq On : 02 Oct 2020 01:20
 Operator : SY/MD
 Sample : L4209-01-
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JLWS7

Quant Time: Oct 02 05:30:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 05:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	139229	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135176	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61136	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.77	65	41	0.01	ug/L	0.17
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.20%#
7) Chloroethane-d5	1.92	69	26180	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.58	63	10193	0.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	12.40%#
20) 2-Butanone-d5	4.66	46	186405	54.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.88%
24) Chloroform-d	5.08	84	74650	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.72	65	47400	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.75	84	127448	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	47696	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	1906	0.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	1.60%#
43) trans-1,3-Dichloropropene-	8.19	79	1714	0.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	8.40%#
46) 2-Hexanone-d5	8.64	63	128695	53.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46989	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50379	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	766	0.056	ug/L	96
8) Chloroethane	1.95	64	950	0.119	ug/L #	59
15) Methyl Acetate	3.10	43	8448	1.229	ug/L #	56
25) Chloroform	5.10	83	1392	0.061	ug/L	82
27) 1,2-Dichloroethane	5.74	62	781	0.049	ug/L #	74
34) Trichloroethene	6.55	95	3140	0.261	ug/L	95
35) Methylcyclohexane	6.70	83	11374	0.645	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5697	0.451	ug/L #	88
38) Bromodichloromethane	7.12	83	1839	0.118	ug/L #	81
47) Tetrachloroethene	8.56	164	1283	0.150	ug/L	91
48) 2-Hexanone	8.64	43	20107	2.761	ug/L #	70
49) Dibromochloromethane	8.82	129	3006	0.292	ug/L	87
51) Chlorobenzene	9.45	112	1560	0.052	ug/L #	71
59) 1,2,3-Trichloropropane	11.81	75	8687	0.950	ug/L	90
61) Bromoform	10.29	173	3739	0.740	ug/L #	96
68) 1,2,4-trichlorobenzene	13.83	180	470	0.040	ug/L #	84

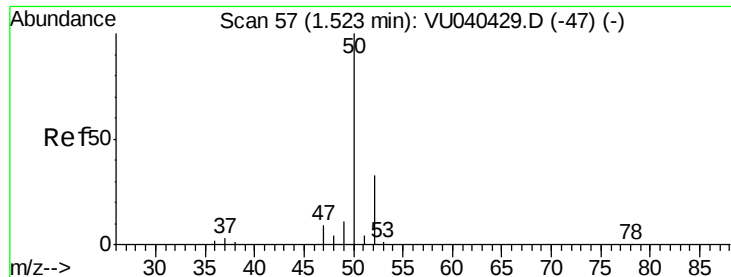
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100120\
Data File : VU040445.D
Acq On : 02 Oct 2020 01:20
Operator : SY/MD
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Quant Time: Oct 02 05:30:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 05:20:15 2020
Response via : Initial Calibration

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



#3

Chloromethane

Concen: 0.056 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040445.D

Acq: 02 Oct 2020 01:20

Instrument :

MSVOA_U

ClientSampleId :

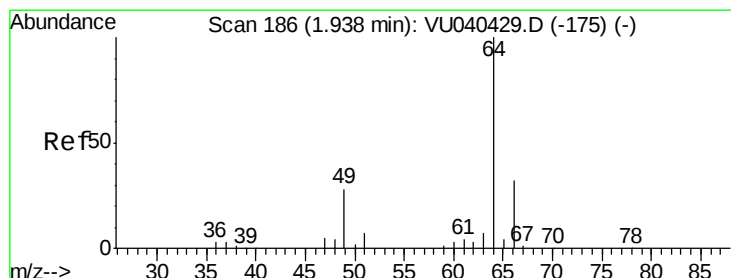
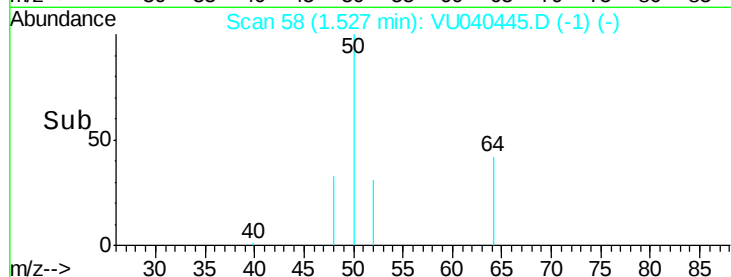
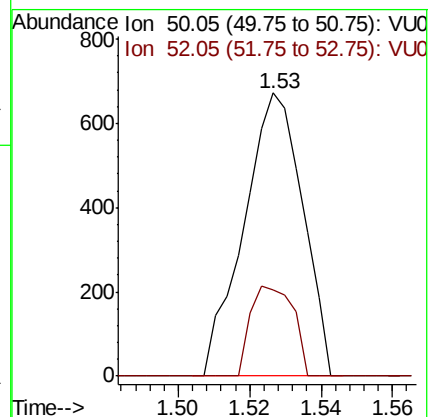
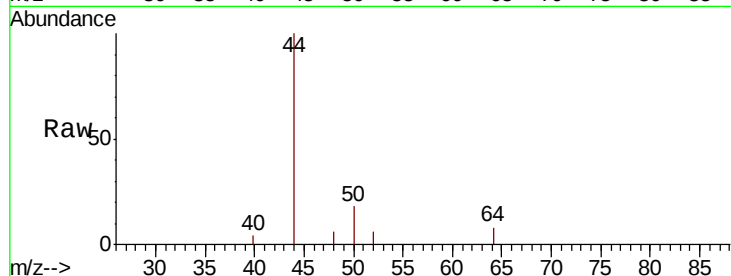
JLWS7

Tot Ion: 50 Resp: 766

Ion Ratio Lower Upper

50 100

52 30.7 23.0 42.6



#8

Chloroethane

Concen: 0.119 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.02 min

Lab File: VU040445.D

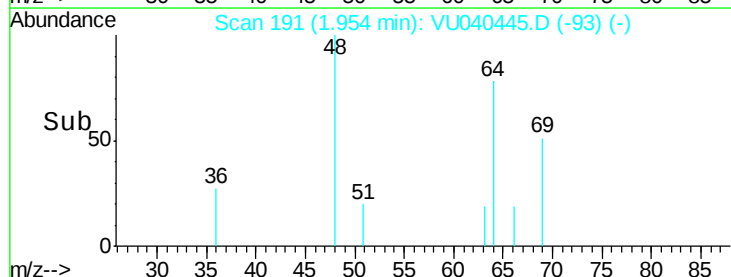
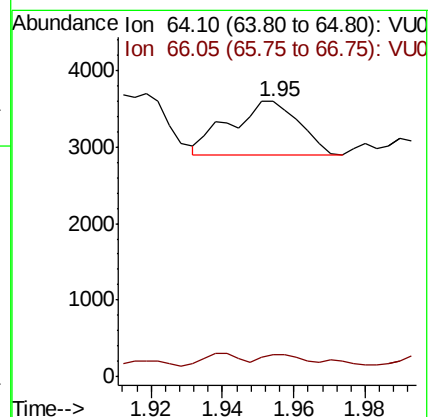
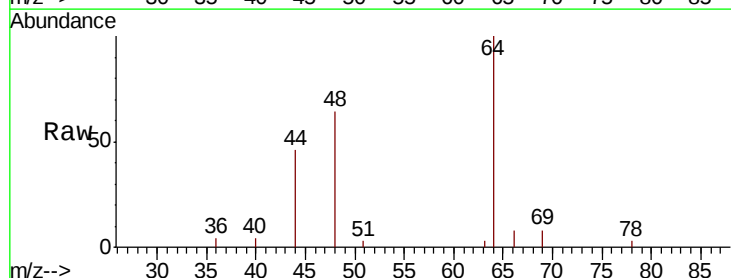
Acq: 02 Oct 2020 01:20

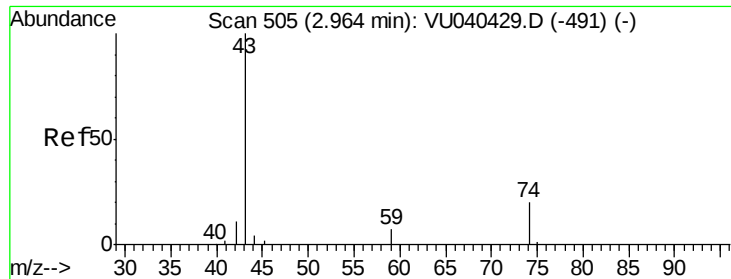
Tgt Ion: 64 Resp: 950

Ion Ratio Lower Upper

64 100

66 8.2 21.3 39.6#





#15

Methvl Acetate

Concen: 1.229 ug/L

RT: 3.10 min Scan# 547

Delta R.T. 0.14 min

Lab File: VU040445.D

Acq: 02 Oct 2020 01:20

Instrument :

MSVOA_U

ClientSampleId :

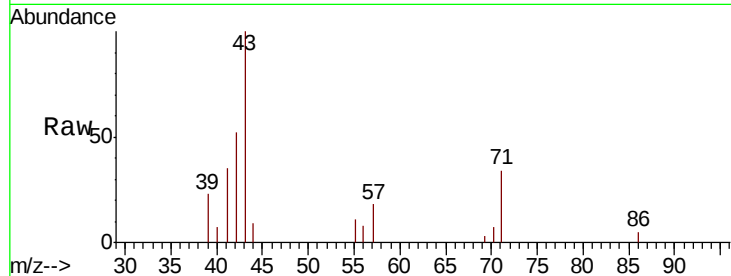
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Tot Ion: 43 Resp: 8448

Ion Ratio Lower Upper

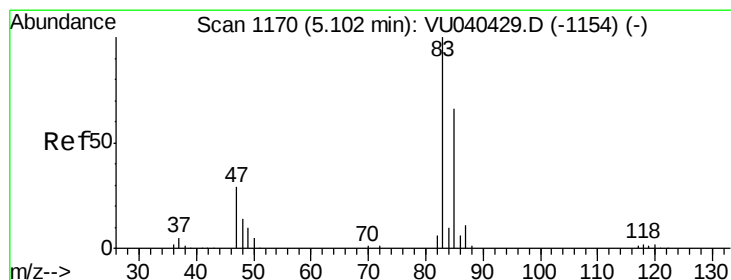
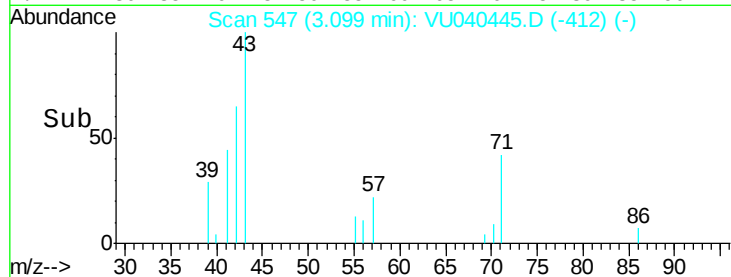
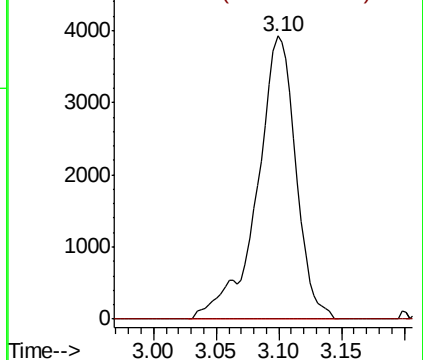
43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#25

Chloroform

Concen: 0.061 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VU040445.D

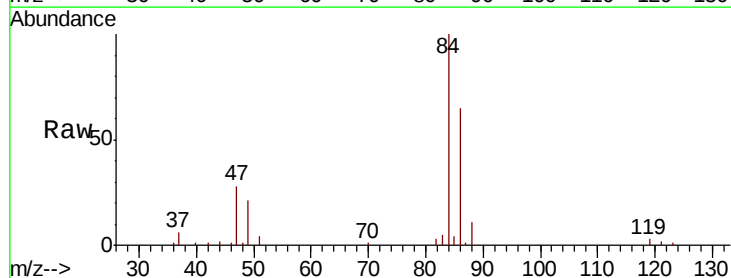
Acq: 02 Oct 2020 01:20

Tgt Ion: 83 Resp: 1392

Ion Ratio Lower Upper

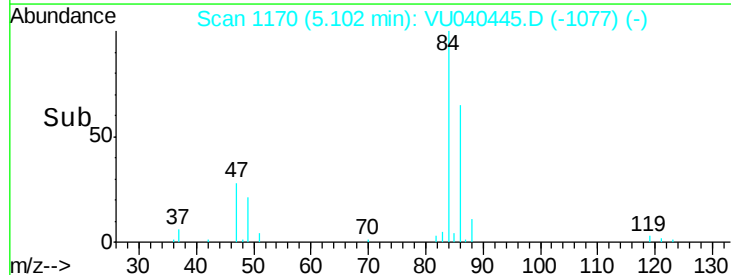
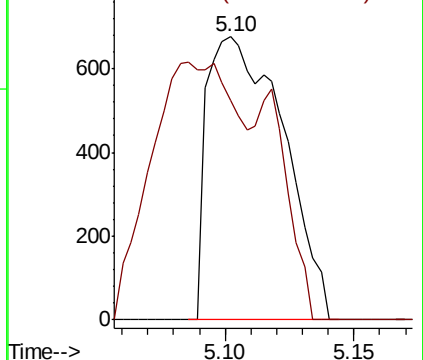
83 100

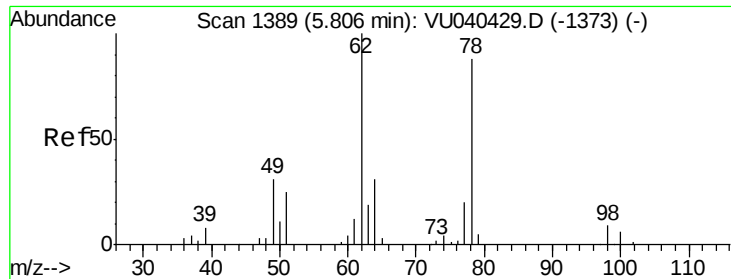
85 77.4 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.049 ug/L

RT: 5.74 min Scan# 1367

Delta R.T. -0.07 min

Lab File: VU040445.D

Acq: 02 Oct 2020 01:20

Instrument :

MSVOA_U

ClientSampleId :

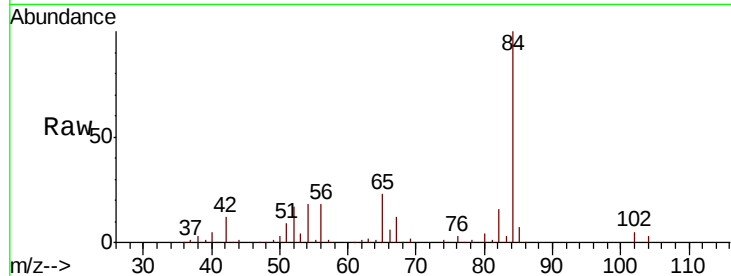
JLWS7

Tot Ion: 62 Resp: 781

Ion Ratio Lower Upper

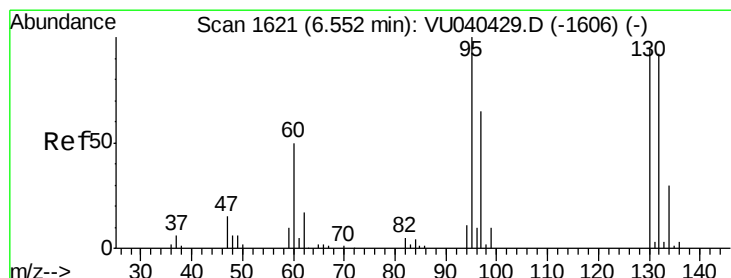
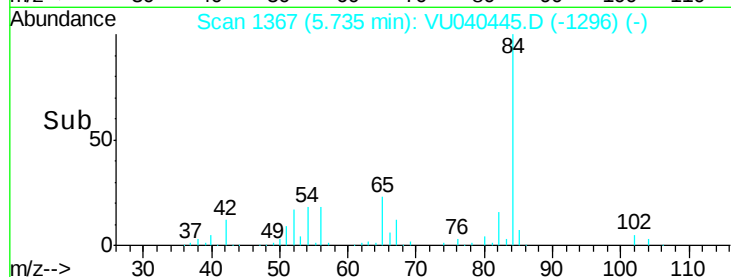
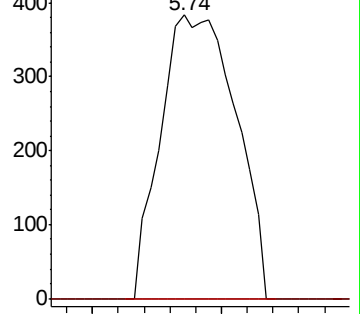
62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#34

Trichloroethene

Concen: 0.261 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040445.D

Acq: 02 Oct 2020 01:20

Tgt Ion: 95 Resp: 3140

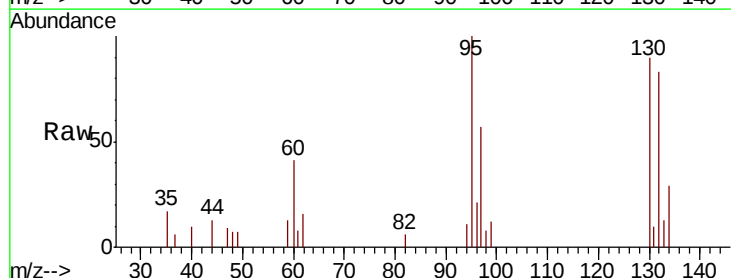
Ion Ratio Lower Upper

95 100

97 57.2 46.3 85.9

132 83.5 60.5 112.3

130 89.9 64.3 119.3

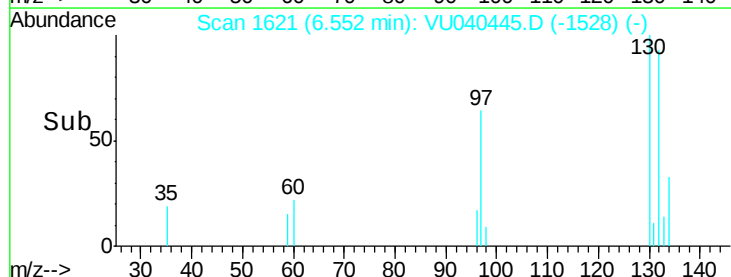
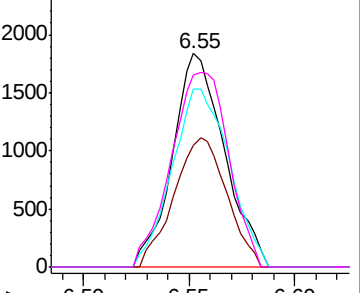


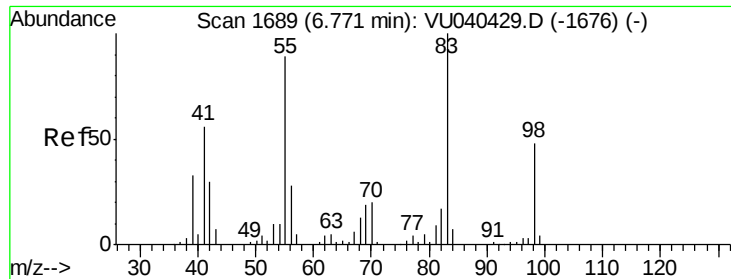
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

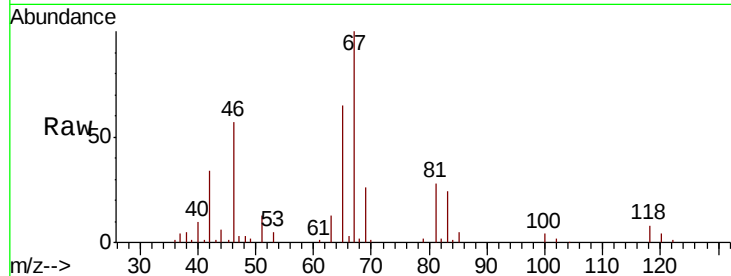




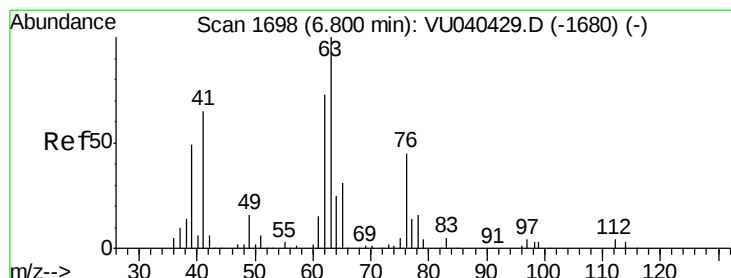
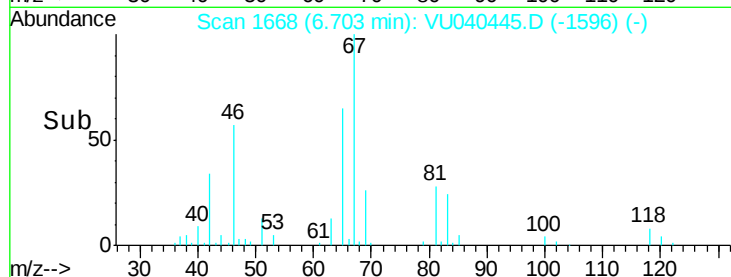
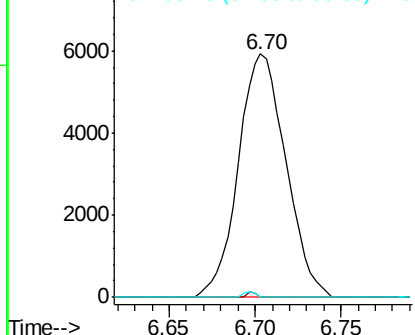
#35
Methvlcvclohexane
Concen: 0.645 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040445.D
Acq: 02 Oct 2020 01:20

Instrument :
MSVOA_U
ClientSampleId :
JLWS7

Tot Ion: 83 Resp: 11374
Ion Ratio Lower Upper
83 100
55 0.4 71.4 107.2#
98 0.6 38.5 57.7#

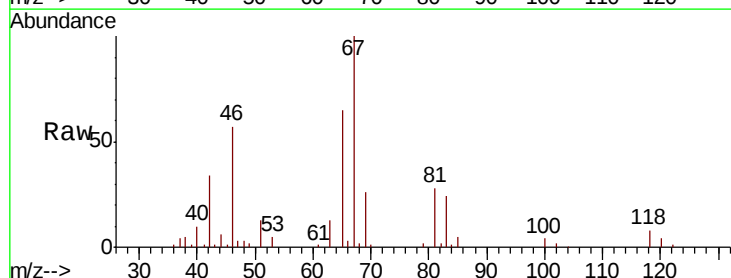


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

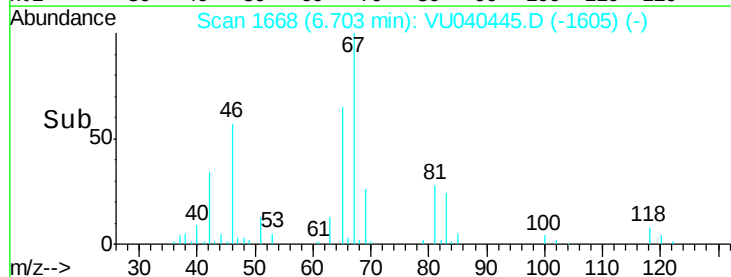
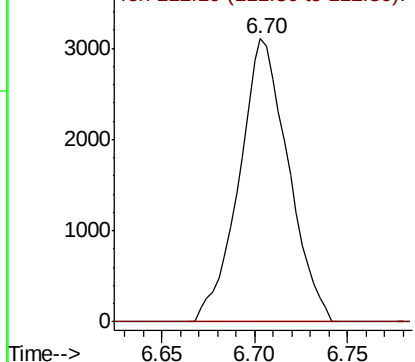


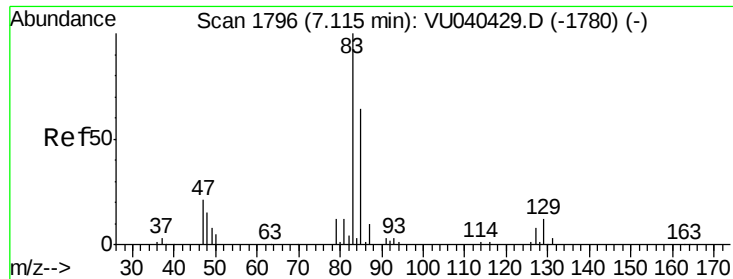
#37
1,2-Dichloropropane
Concen: 0.451 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040445.D
Acq: 02 Oct 2020 01:20

Tgt Ion: 63 Resp: 5697
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

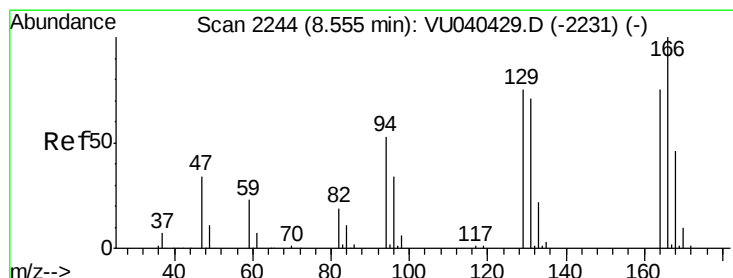
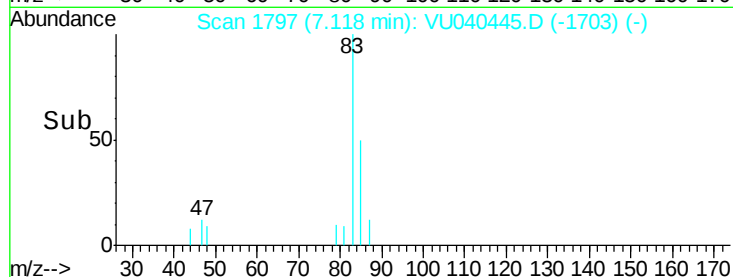
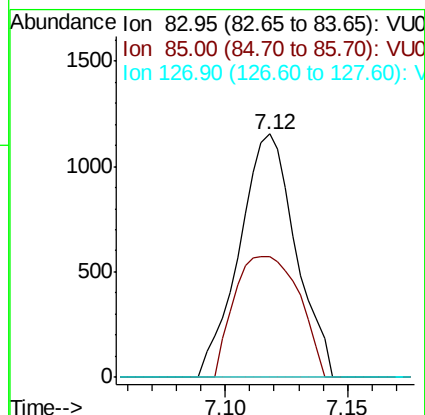
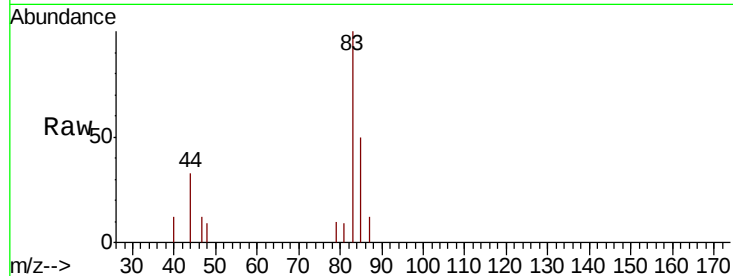




#38
 Bromodichloromethane
 Concen: 0.118 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040445.D
 Acq: 02 Oct 2020 01:20

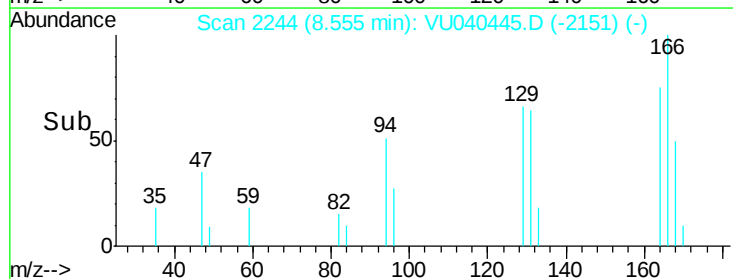
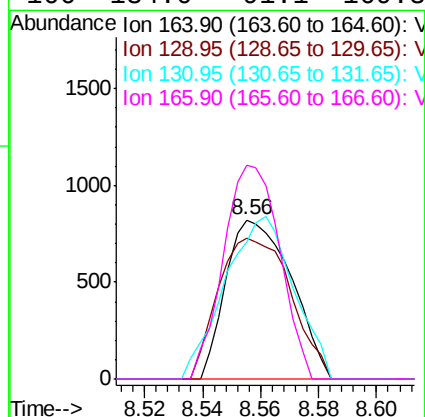
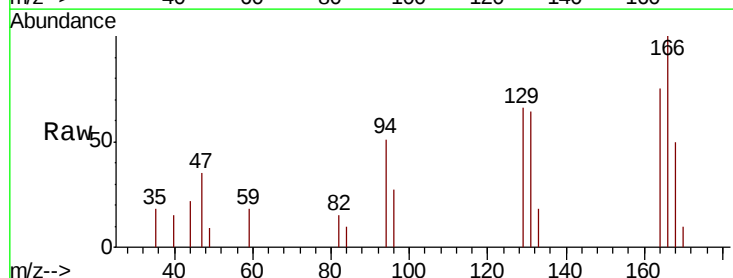
Instrument :
 MSVOA_U
 ClientSampleId :
 JLWS7

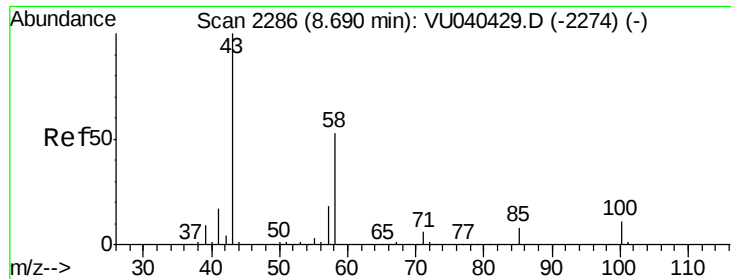
Tot Ion: 83 Resp: 1839
 Ion Ratio Lower Upper
 83 100
 85 49.8 45.1 83.9
 127 0.0 6.6 9.8#



#47
 Tetrachloroethene
 Concen: 0.150 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU040445.D
 Acq: 02 Oct 2020 01:20

Tgt Ion: 164 Resp: 1283
 Ion Ratio Lower Upper
 164 100
 129 88.7 70.3 130.7
 131 86.3 69.2 128.6
 166 134.0 91.1 169.3

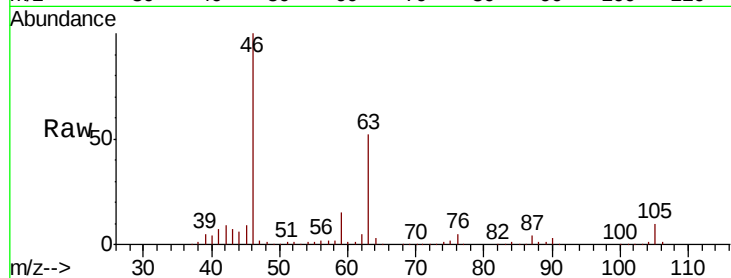




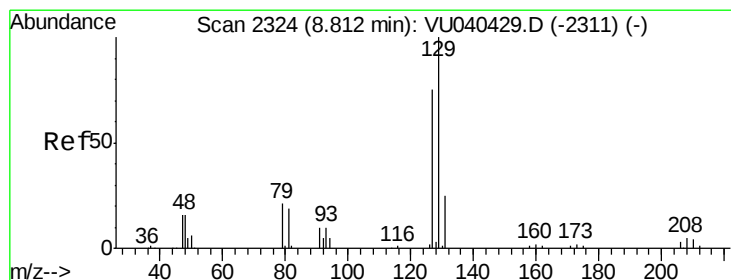
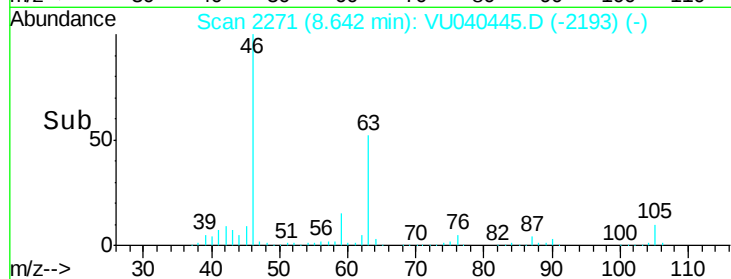
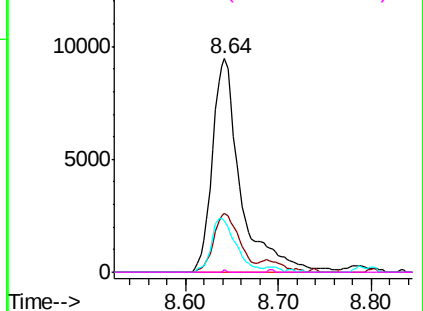
#48
2-Hexanone
Concen: 2.761 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040445.D
Acq: 02 Oct 2020 01:20

Instrument :
MSVOA_U
ClientSampleId :
JLWS7

Tot Ion:	43	Resp:	20107
Ion	Ratio	Lower	Upper
43	100		
58	24.7	41.0	61.4#
57	21.8	14.6	22.0
100	0.1	8.2	12.4#

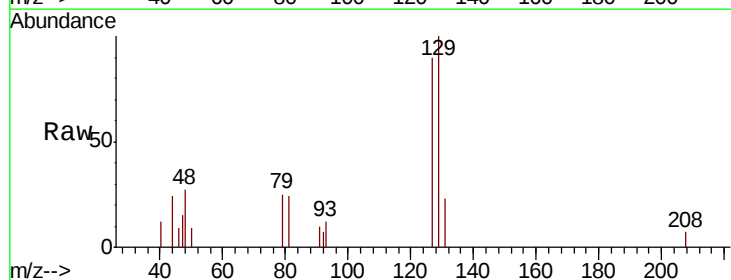


Abundance Ion 43.05 (42.75 to 43.75): VU040445.D (-2274) (-)
Ion 58.05 (57.75 to 58.75): VU040445.D (-2274) (-)
Ion 57.20 (56.90 to 57.90): VU040445.D (-2274) (-)
Ion 100.15 (99.85 to 100.85): VU040445.D (-2274) (-)

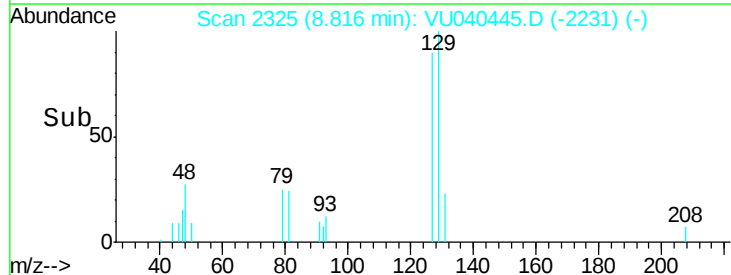
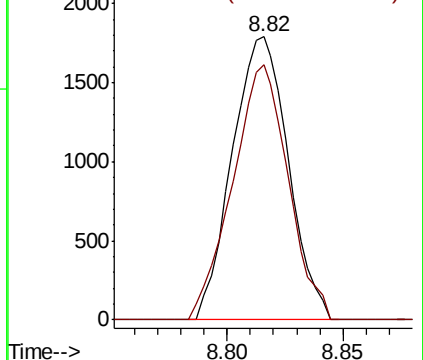


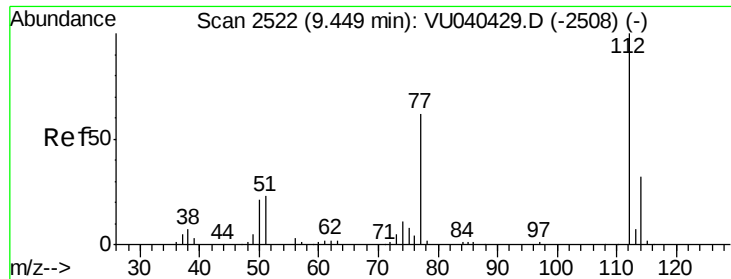
#49
Dibromochloromethane
Concen: 0.292 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040445.D
Acq: 02 Oct 2020 01:20

Tgt Ion:	129	Resp:	3006
Ion	Ratio	Lower	Upper
129	100		
127	90.3	55.4	103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040445.D (-2311) (-)
Ion 126.90 (126.60 to 127.60): VU040445.D (-2311) (-)

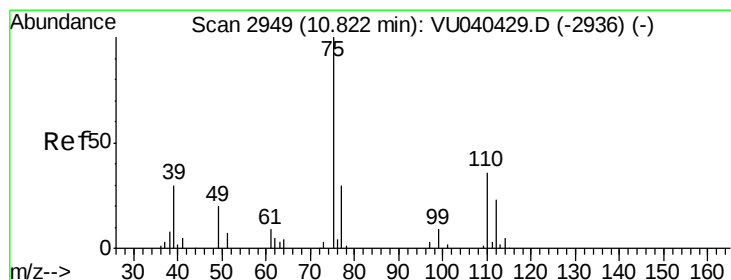
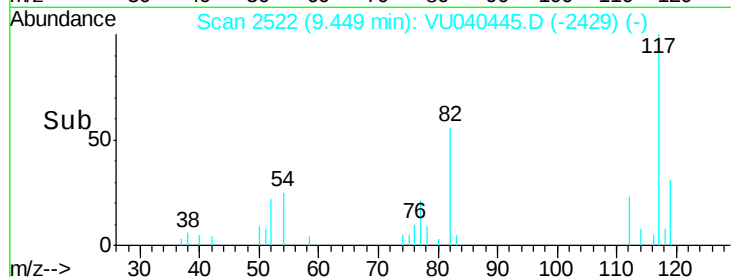
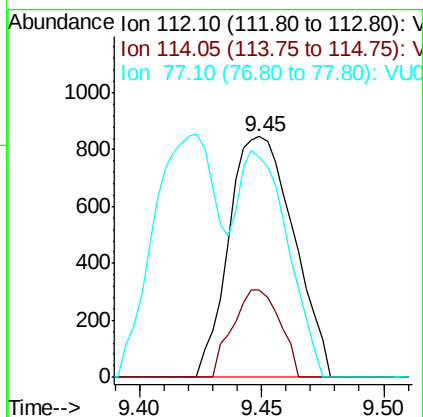
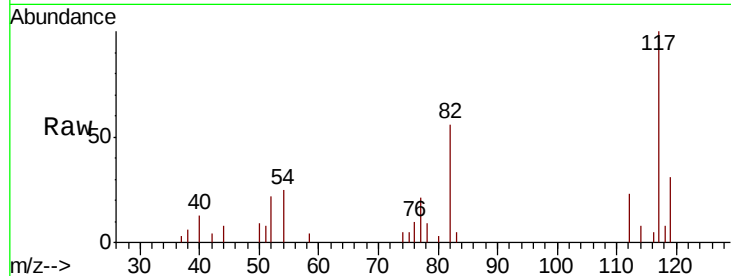




#51
Chlorobenzene
Concen: 0.052 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040445.D
Acq: 02 Oct 2020 01:20

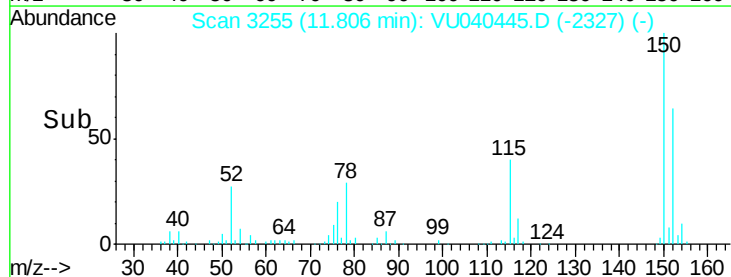
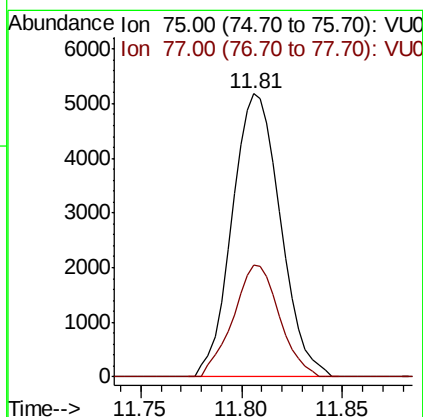
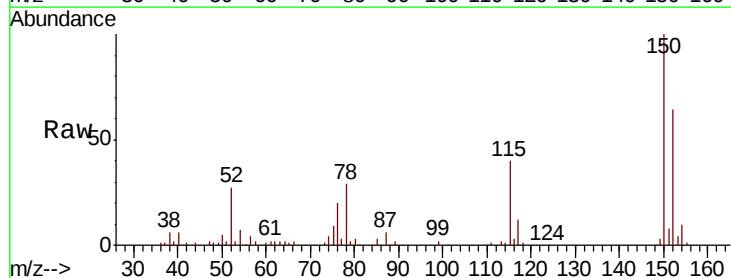
Instrument :
MSVOA_U
ClientSampled :
JLWS7

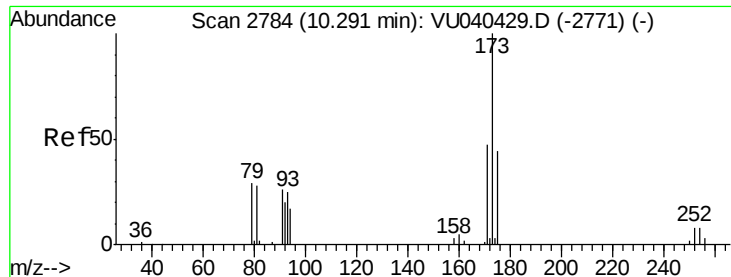
Tot Ion: 112 Resp: 1560
Ion Ratio Lower Upper
112 100
114 36.2 22.0 40.8
77 91.7 49.5 74.3#



#59
1,2,3-Trichloropropane
Concen: 0.950 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040445.D
Acq: 02 Oct 2020 01:20

Tgt Ion: 75 Resp: 8687
Ion Ratio Lower Upper
75 100
77 37.8 25.7 38.5

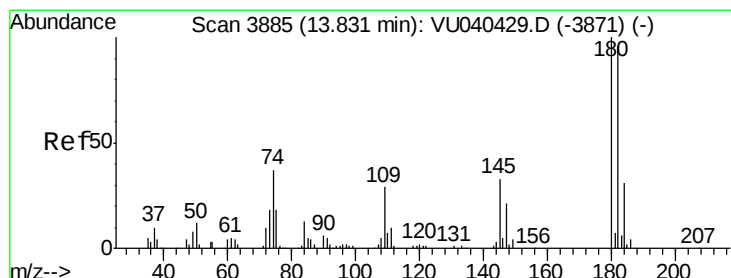
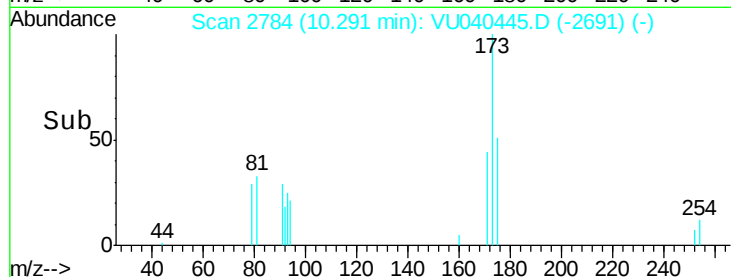
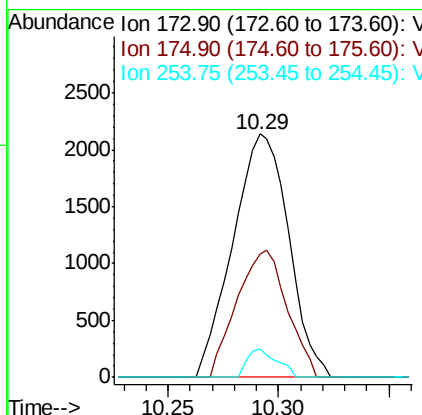
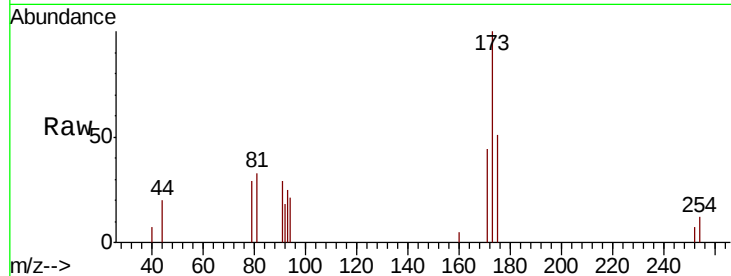




#61
Bromoform
Concen: 0.740 ug/L
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040445.D
Acq: 02 Oct 2020 01:20

Instrument :
MSVOA_U
ClientSampled :
JLWS7

Tot Ion:173 Resp: 3739
Ion Ratio Lower Upper
173 100
175 47.0 39.6 59.4
254 6.2 7.0 10.4#



#68
1,2,4-trichlorobenzene
Concen: 0.040 ug/L
RT: 13.83 min Scan# 3884
Delta R.T. -0.00 min
Lab File: VU040445.D
Acq: 02 Oct 2020 01:20

Tgt Ion:180 Resp: 470
Ion Ratio Lower Upper
180 100
182 102.1 76.6 115.0
145 8.5 26.3 39.5#

