

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035450.D
 Acq On : 24 Oct 2019 10:24
 Operator : JC/SP
 Sample : K5488-07MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 14:22:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 14:19:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	213816	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	211551	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	63131	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	51730	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.93	69	53462	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.60	63	105161	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.20%
20) 2-Butanone-d5	4.70	46	224363	59.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.76%
24) Chloroform-d	5.11	84	103689	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.75	65	67327	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.77	84	202010	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.74	67	77320	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.93	98	157516	3.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.00%#
43) trans-1,3-Dichloropropene-	8.21	79	27780	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.68	63	143906	43.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	69388	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	49720	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	129909	7.007	ug/L	98
12) 1,1-Dichloroethene	2.61	96	60043	4.371	ug/L	88
13) Acetone	2.67	43	2516	0.965	ug/L	87
17) Methyl tert-butyl Ether	3.43	73	3754969	101.566	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	266499	17.977	ug/L	94
19) 1,1-Dichloroethane	3.92	63	32671	1.219	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	1115529	68.081	ug/L	96
25) Chloroform	5.14	83	13614	0.463	ug/L	99
27) 1,2-Dichloroethane	5.82	62	3140	0.174	ug/L #	74
33) Benzene	5.82	78	315136	5.063	ug/L	100
34) Trichloroethene	6.58	95	195374	11.675	ug/L	95
35) Methylcyclohexane	6.74	83	18093	0.647	ug/L #	18
42) Toluene	8.01	91	299278	4.356	ug/L	100
48) 2-Hexanone	8.73	43	12655	1.692	ug/L #	92
51) Chlorobenzene	9.48	112	209171	4.715	ug/L	99
59) 1,2,3-Trichloropropane	11.84	75	7867	0.715	ug/L #	42

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
Data File : VU035450.D
Acq On : 24 Oct 2019 10:24
Operator : JC/SP
Sample : K5488-07MSD
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 59 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 24 14:22:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 14:19:48 2019
Response via : Initial Calibration

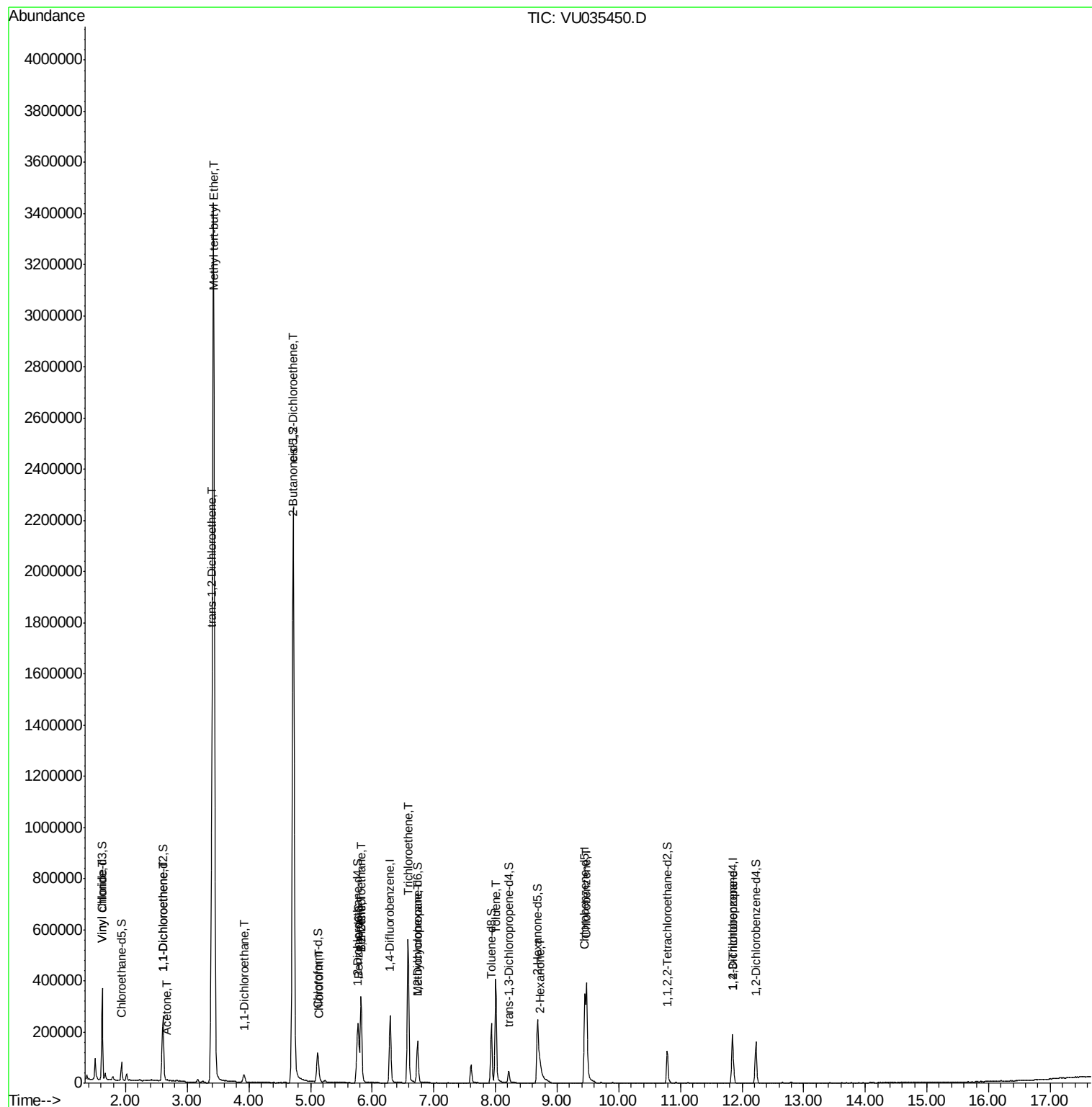
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

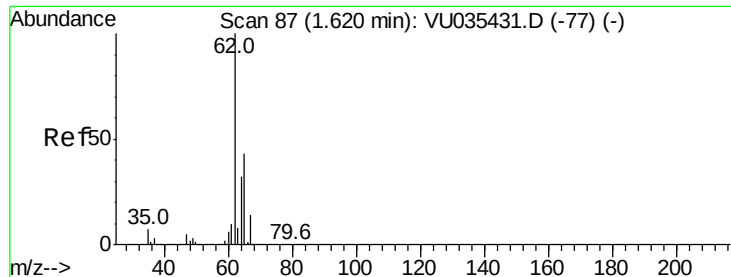
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU102319\
Data File : VU035450.D
Acq On : 24 Oct 2019 10:24
Operator : JC/SP
Sample : K5488-07MSD
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 59 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 24 14:22:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 14:19:48 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.007 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Instrument :

MSVOA_U

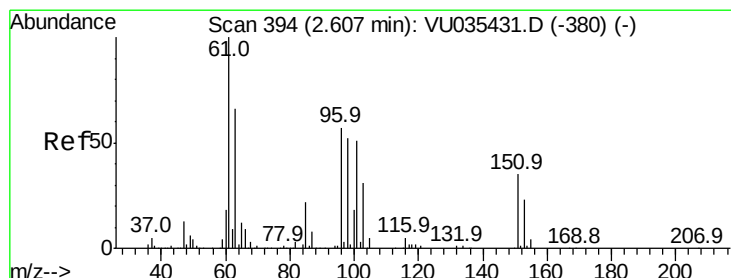
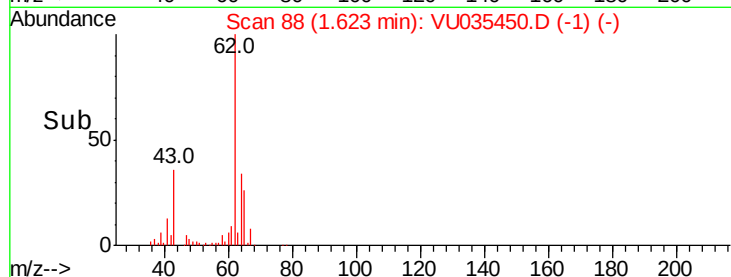
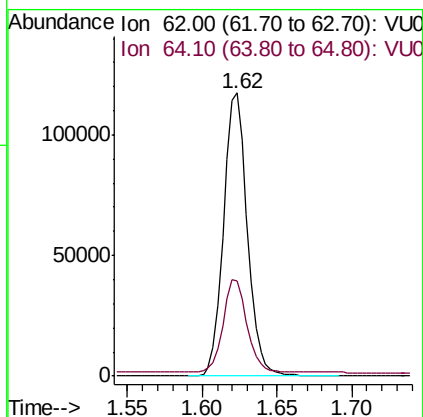
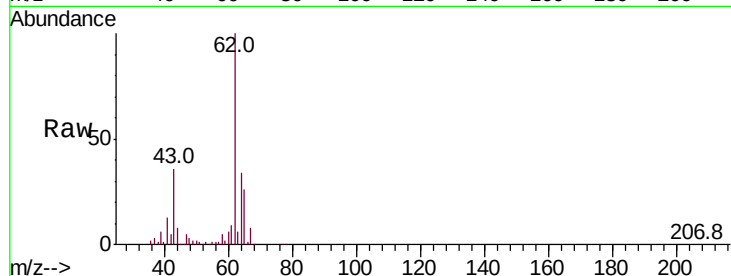
ClientSampled :

Tot Ion: 62 Resp: 129909

Ion Ratio Lower Upper

62 100

64 33.8 22.9 42.5



#12

1,1-Dichloroethene

Concen: 4.371 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

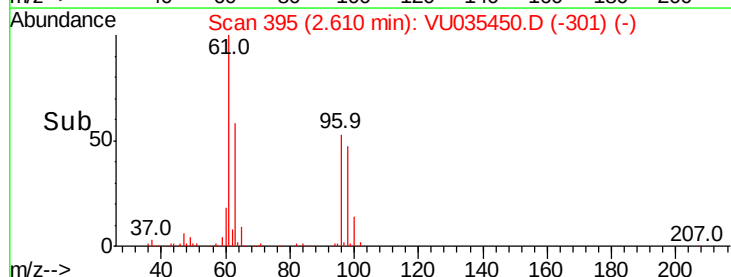
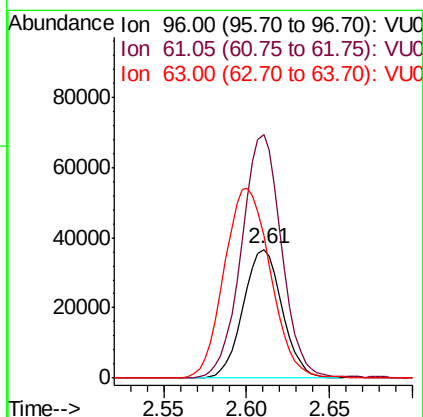
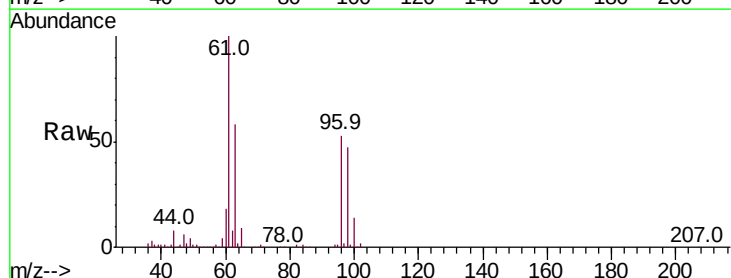
Tgt Ion: 96 Resp: 60043

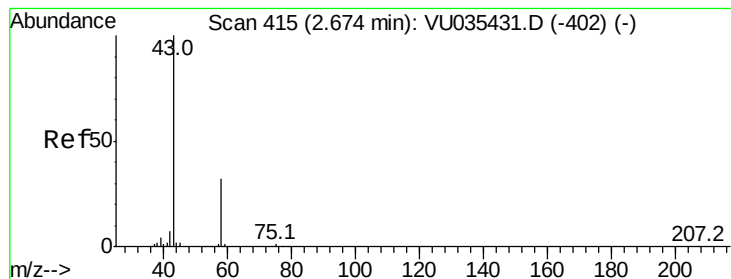
Ion Ratio Lower Upper

96 100

61 189.2 120.6 224.0

63 110.6 86.8 161.2





#13

Acetone

Concen: 0.965 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

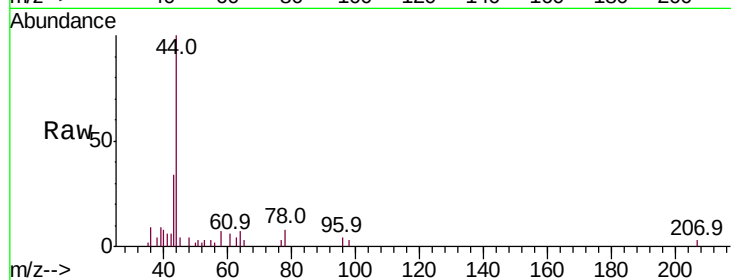
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2516

Ion Ratio Lower Upper

43 100

58 23.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035431.D (-402) (-)

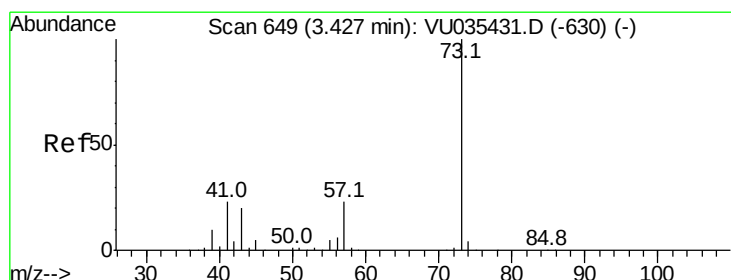
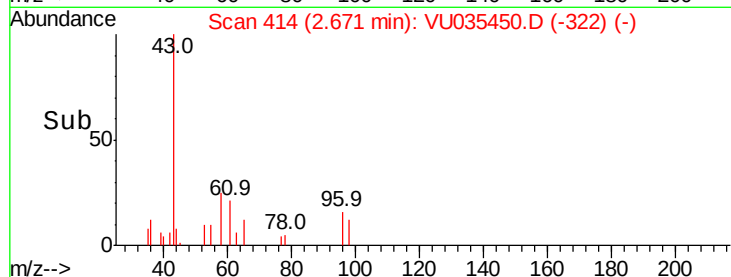
Ion 58.05 (57.75 to 58.75): VU035431.D (-402) (-)

2.67

2.65

2.70

Time-->



#17

Methyl tert-butyl Ether

Concen: 101.566 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

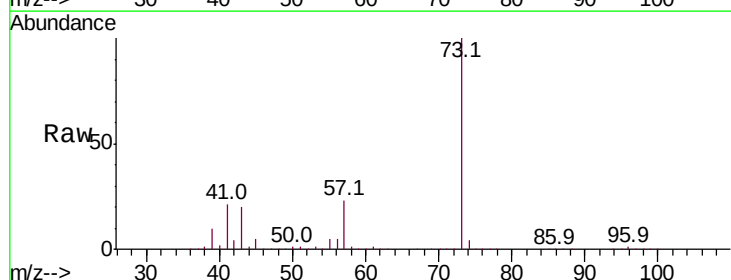
Tgt Ion: 73 Resp: 3754969

Ion Ratio Lower Upper

73 100

43 19.8 16.0 24.0

57 22.8 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035431.D (-630) (-)

Ion 43.05 (42.75 to 43.75): VU035431.D (-630) (-)

Ion 57.10 (56.80 to 57.80): VU035431.D (-630) (-)

3.43

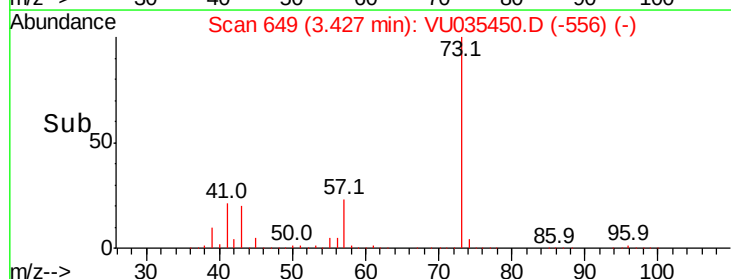
3.30

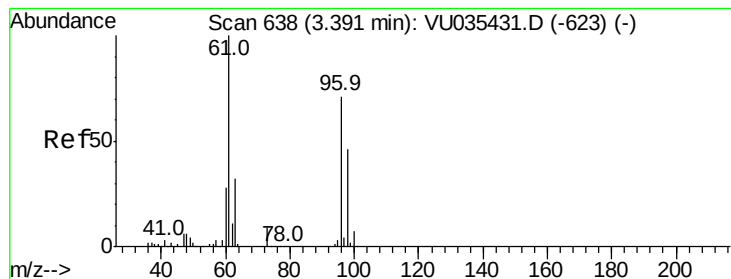
3.40

3.50

3.60

Time-->





#18

trans-1,2-Dichloroethene

Concen: 17.977 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Instrument :

MSVOA_U

ClientSampled :

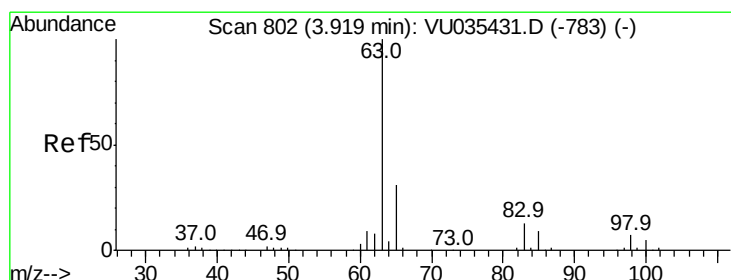
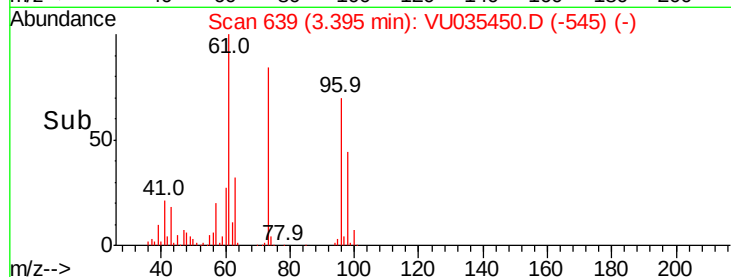
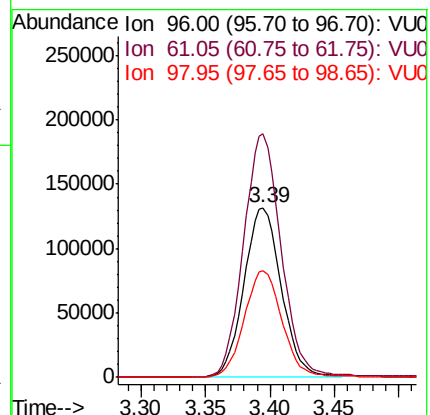
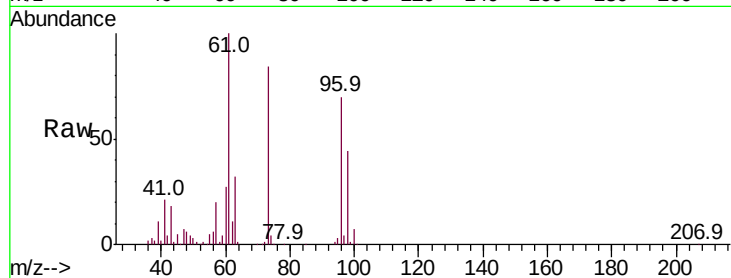
Tot Ion: 96 Resp: 266499

Ion Ratio Lower Upper

96 100

61 143.3 93.0 172.6

98 63.0 43.7 81.1



#19

1,1-Dichloroethane

Concen: 1.219 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

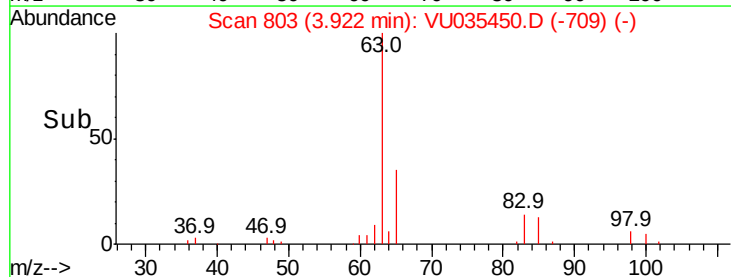
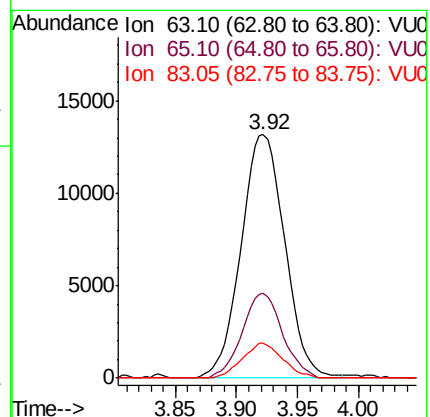
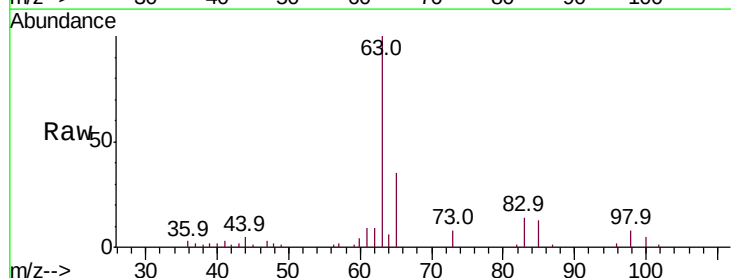
Tgt Ion: 63 Resp: 32671

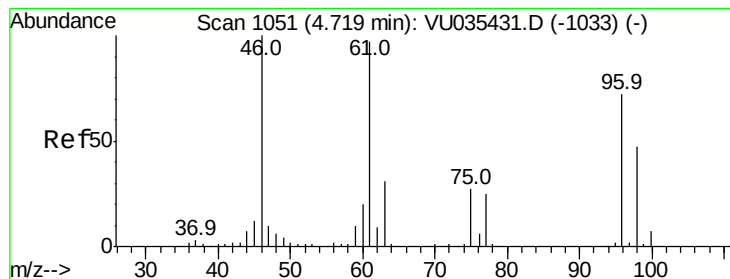
Ion Ratio Lower Upper

63 100

65 34.8 22.4 41.6

83 14.3 9.3 17.3





#22

cis-1,2-Dichloroethene

Concen: 68.081 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Instrument :
MSVOA_U
ClientSampleId :

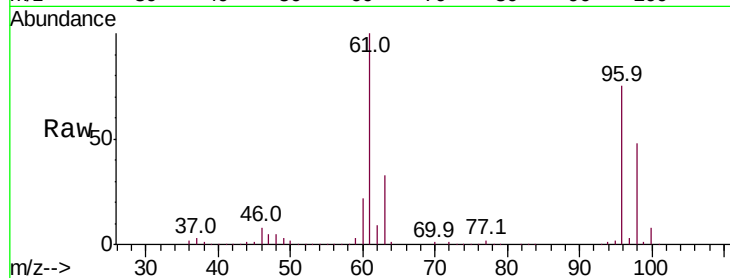
Tot Ion: 96 Resp: 111529

Ion Ratio Lower Upper

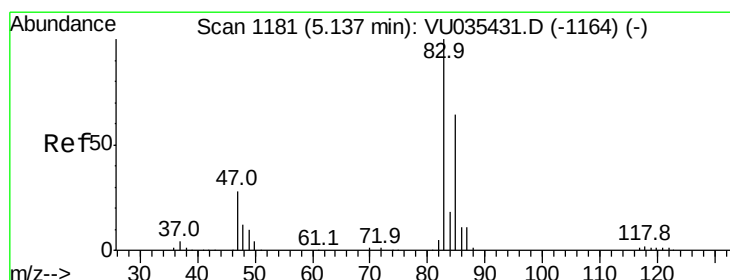
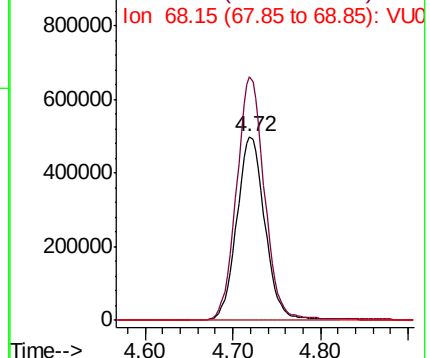
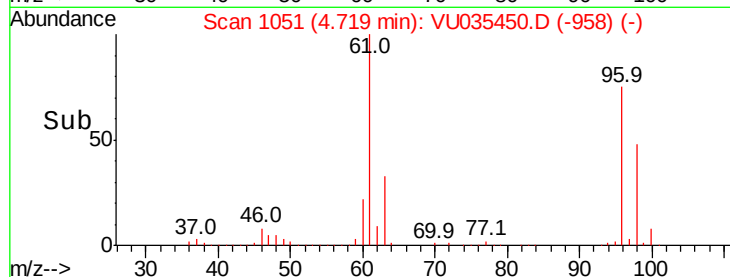
96 100

61 132.7 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.463 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035450.D

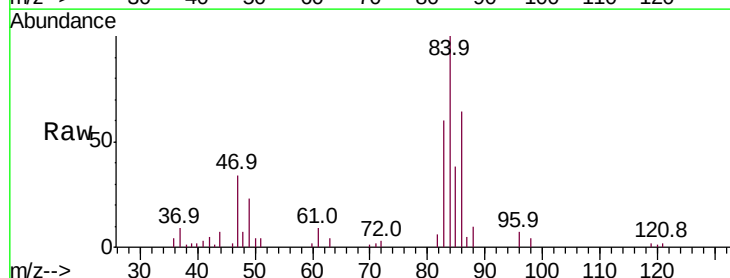
Acq: 24 Oct 2019 10:24

Tgt Ion: 83 Resp: 13614

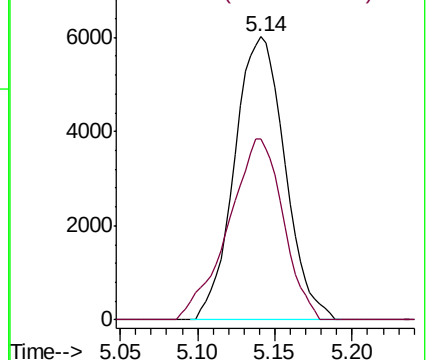
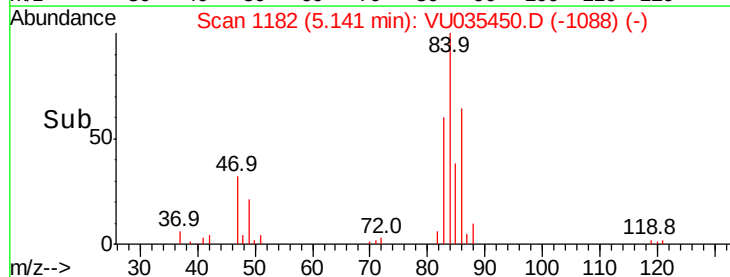
Ion Ratio Lower Upper

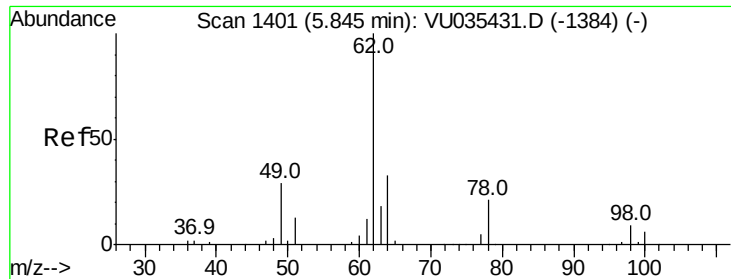
83 100

85 63.8 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

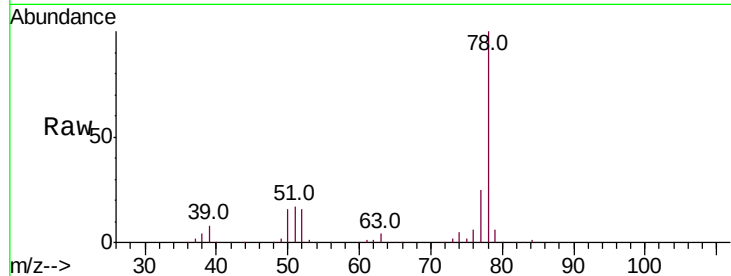




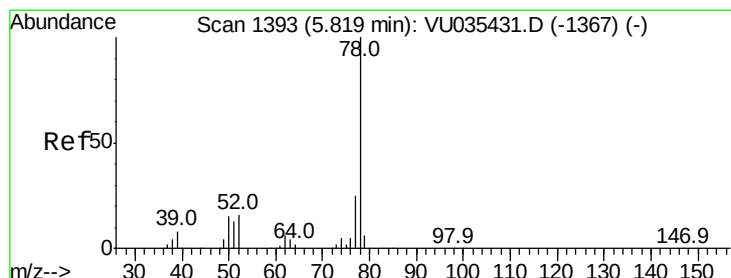
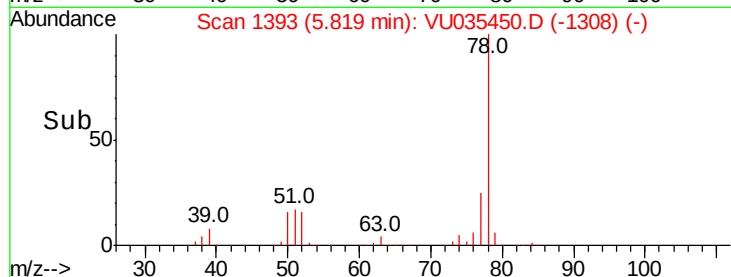
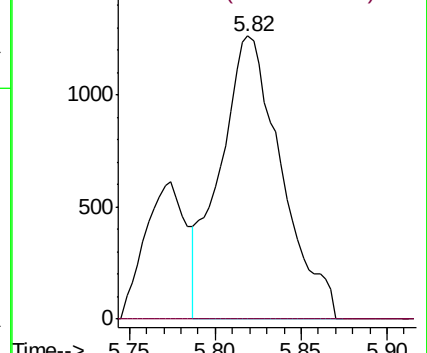
#27
 1,2-Dichloroethane
 Concen: 0.174 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. -0.03 min
 Lab File: VU035450.D
 Acq: 24 Oct 2019 10:24

Instrument :
 MSVOA_U
 ClientSampleId :

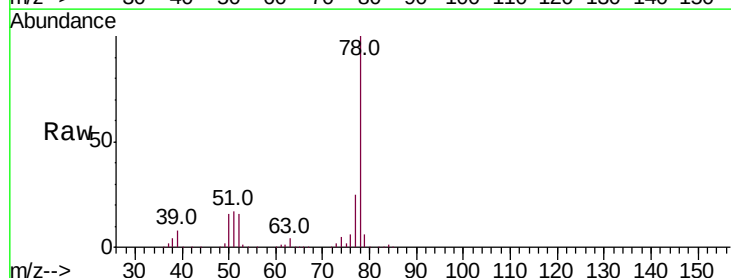
Tot Ion: 62 Resp: 3140
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#



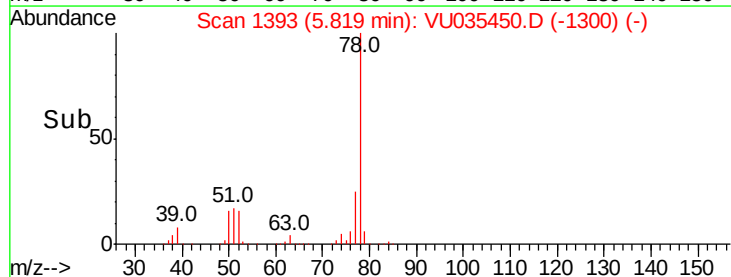
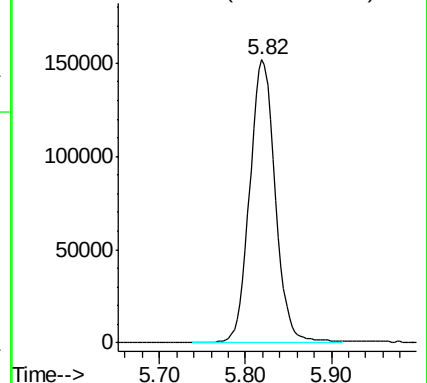
Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0

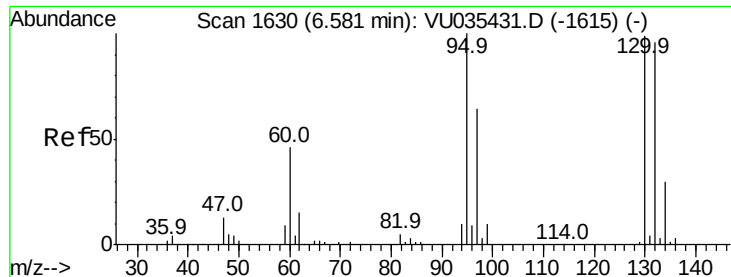


#33
 Benzene
 Concen: 5.063 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VU035450.D
 Acq: 24 Oct 2019 10:24
 Tgt Ion: 78 Resp: 315136



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 11.675 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 195374

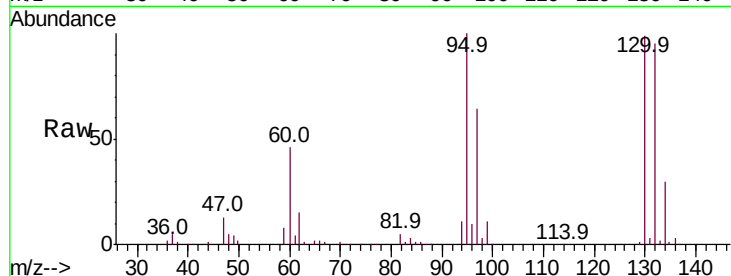
Ion Ratio Lower Upper

95 100

97 63.7 46.6 86.6

132 94.7 68.7 127.7

130 99.4 73.9 137.3

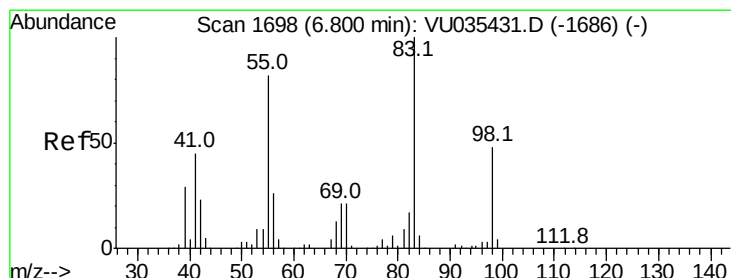
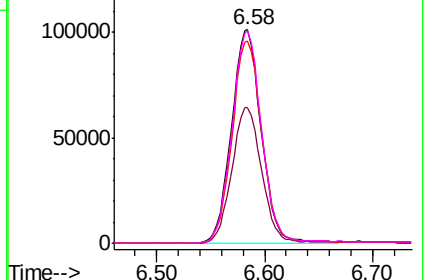
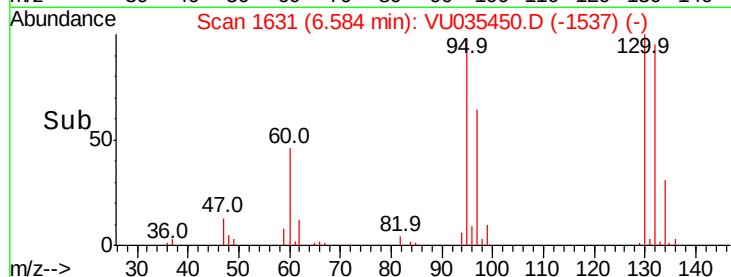


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.647 ug/L

RT: 6.74 min Scan# 1679

Delta R.T. -0.06 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

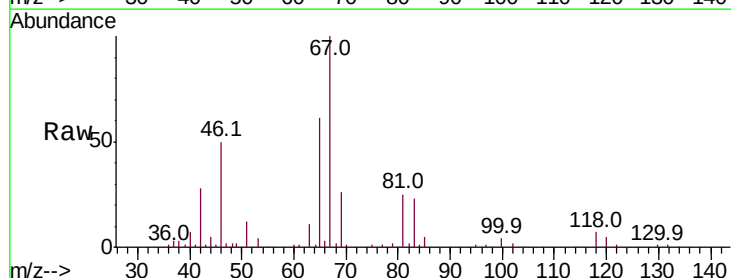
Tgt Ion: 83 Resp: 18093

Ion Ratio Lower Upper

83 100

55 0.3 60.4 90.6#

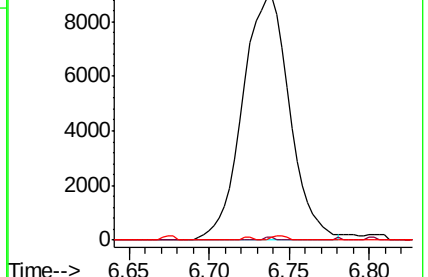
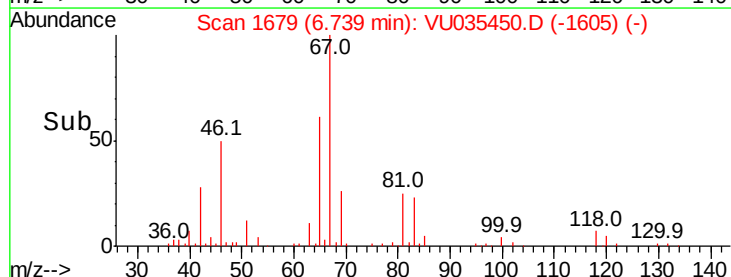
98 0.0 39.5 59.3#

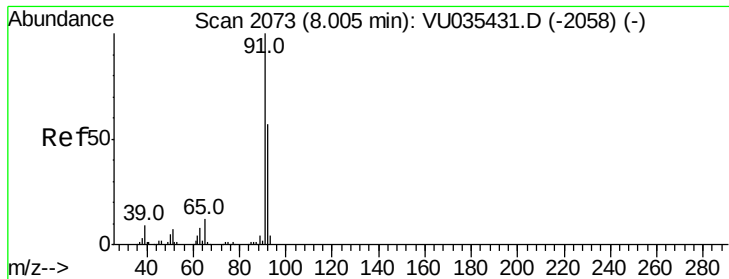


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 4.356 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

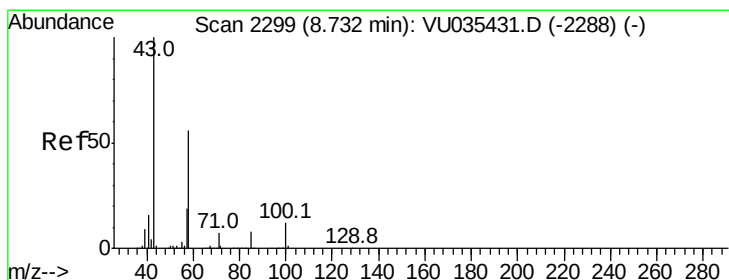
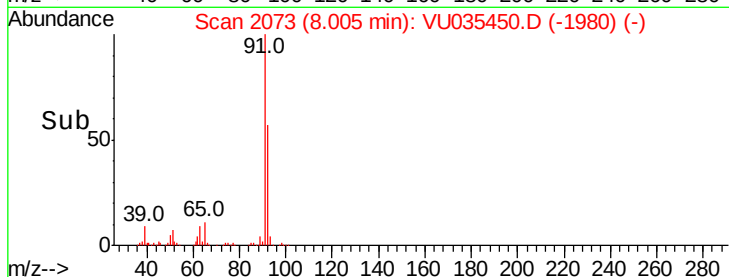
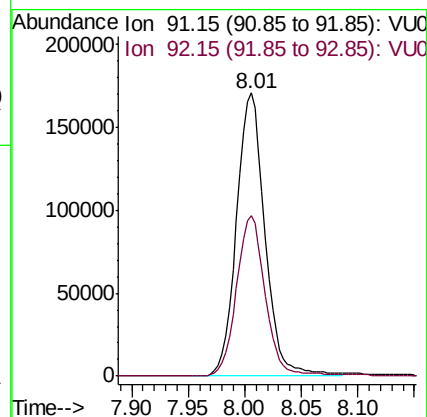
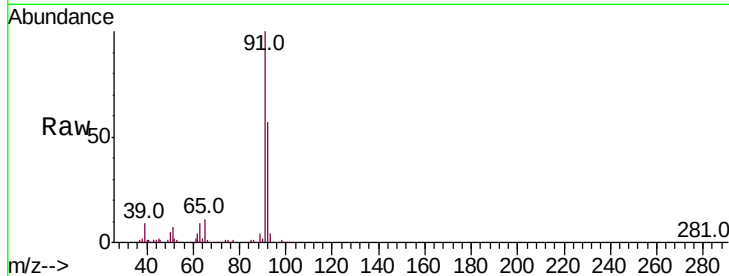
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 299278

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1



#48

2-Hexanone

Concen: 1.692 ug/L

RT: 8.73 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VU035450.D

Acq: 24 Oct 2019 10:24

Tgt Ion: 43 Resp: 12655

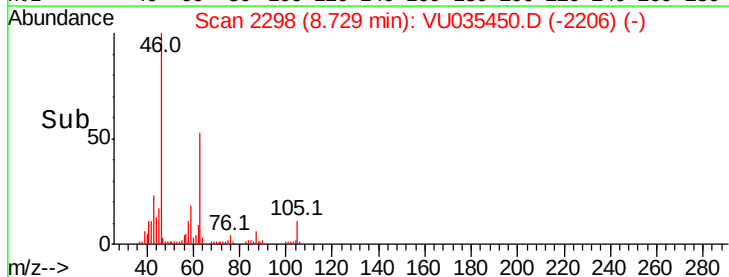
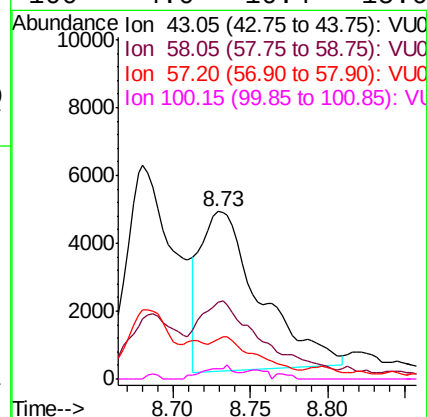
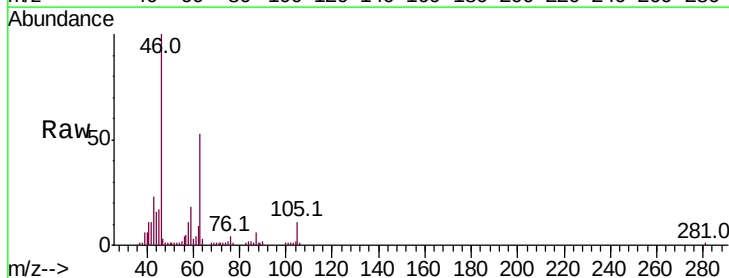
Ion Ratio Lower Upper

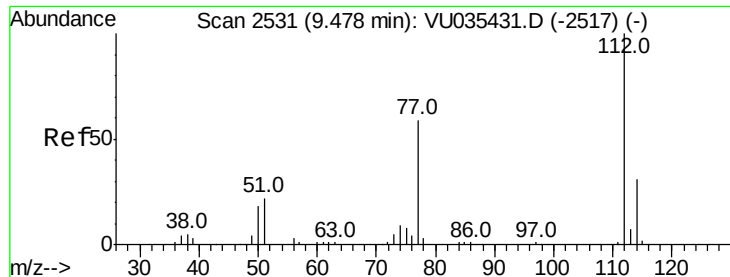
43 100

58 54.2 45.1 67.7

57 13.4 16.0 24.0#

100 4.0 10.4 15.6#

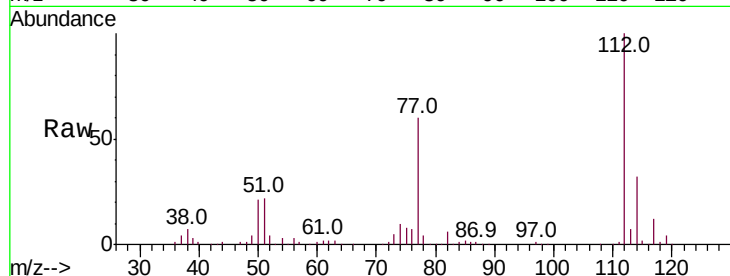




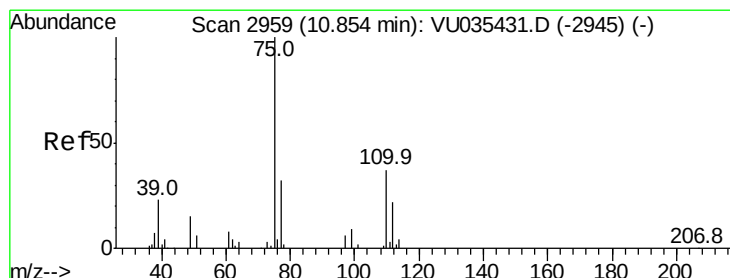
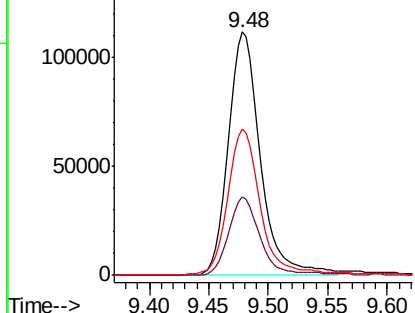
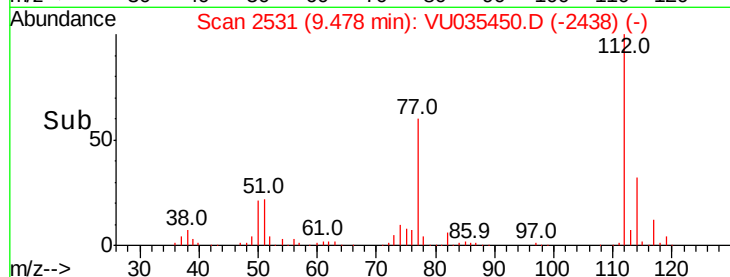
#51
Chlorobenzene
Concen: 4.715 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035450.D
Acq: 24 Oct 2019 10:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.0	42.8
77	60.1	47.5	71.3

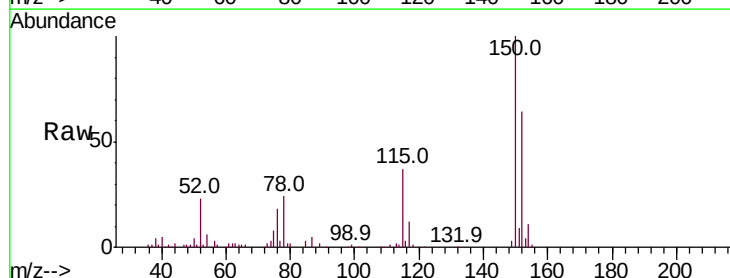


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.715 ug/L
RT: 11.84 min Scan# 3267
Delta R.T. 0.99 min
Lab File: VU035450.D
Acq: 24 Oct 2019 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.2	39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

