

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031620\
 Data File : VU037297.D
 Acq On : 16 Mar 2020 17:01
 Operator : JC/MD
 Sample : L1891-10MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 17 01:35:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 17 01:33:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	145371	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	141185	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	66432	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33685	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.93	69	30063	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.59	63	83189	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.68	46	116186	50.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.56%
24) Chloroform-d	5.11	84	79317	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.74	65	46412	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.76	84	141394	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.73	67	46503	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.93	98	128617	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.20	79	19654	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.66	63	94930	48.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	38970	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	51148	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
3) Chloromethane	1.50	50	6063	0.367 ug/L #	43
5) Vinyl chloride	1.62	62	1322	0.089 ug/L #	1
12) 1,1-Dichloroethene	2.60	96	56974	6.113 ug/L	94
13) Acetone	2.67	43	6472	3.344 ug/L	98
14) Carbon disulfide	2.82	76	6841	0.228 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	108915	10.843 ug/L	97
19) 1,1-Dichloroethane	3.91	63	40074	1.980 ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	1089052	97.731 ug/L	98
27) 1,2-Dichloroethane	5.81	62	2389	0.154 ug/L #	76
33) Benzene	5.81	78	223000	5.259 ug/L	100
34) Trichloroethene	6.57	95	57043	4.924 ug/L	96
35) Methylcyclohexane	6.73	83	11297	0.645 ug/L #	16
39) cis-1,3-Dichloropropene	7.59	75	1626	0.096 ug/L #	71
42) Toluene	8.00	91	225098	4.924 ug/L	98
51) Chlorobenzene	9.47	112	145036	4.916 ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	8205	1.030 ug/L #	84

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QLast Update : Tue Mar 17 01:33:31 2020
Response via : Initial Calibration

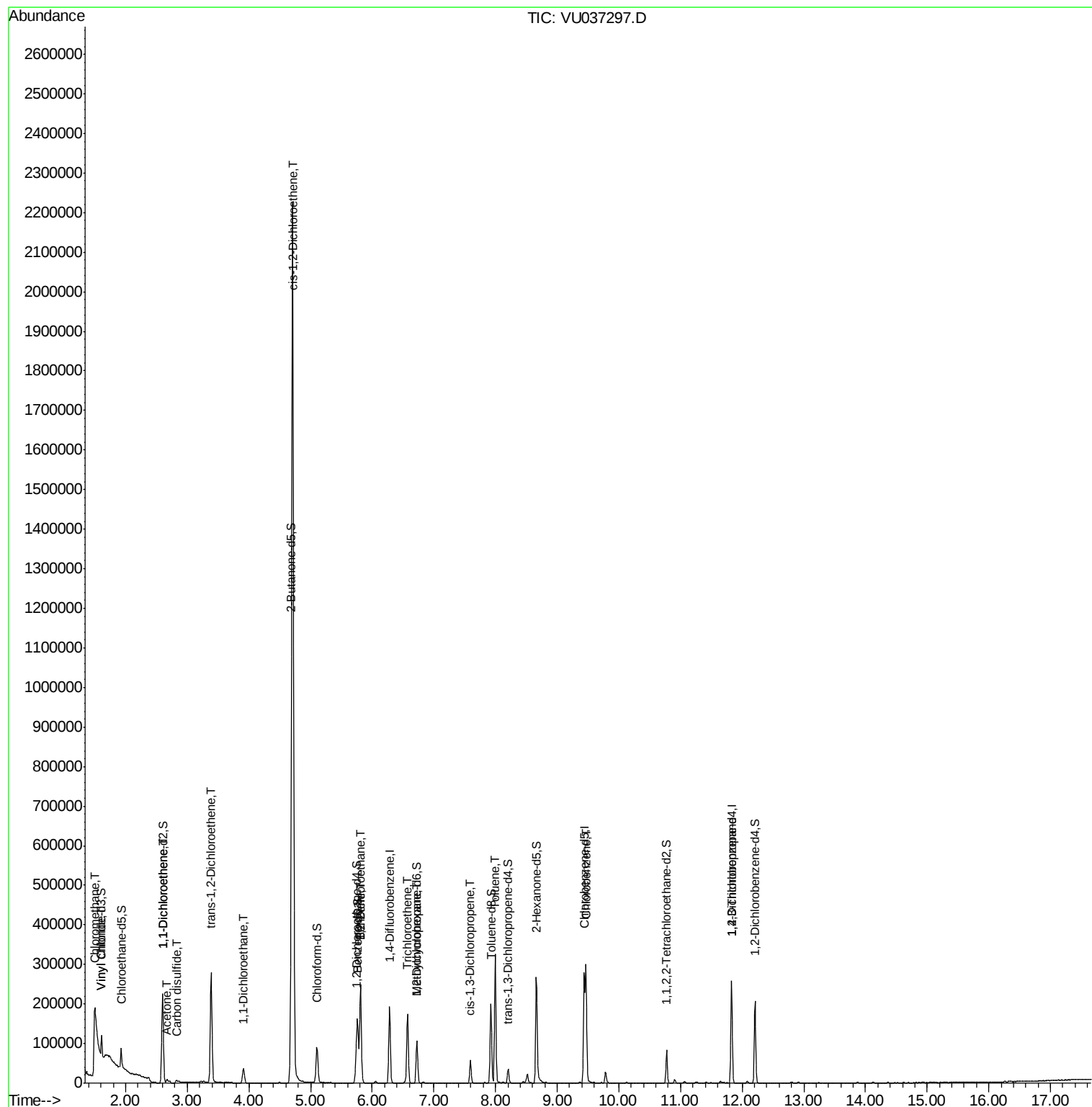
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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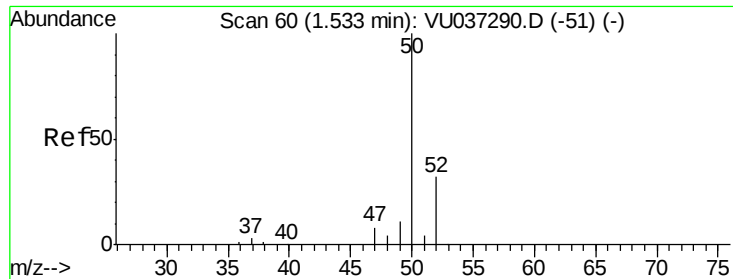
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.367 ug/L

RT: 1.50 min Scan# 50

Delta R.T. -0.03 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

Instrument :

MSVOA_U

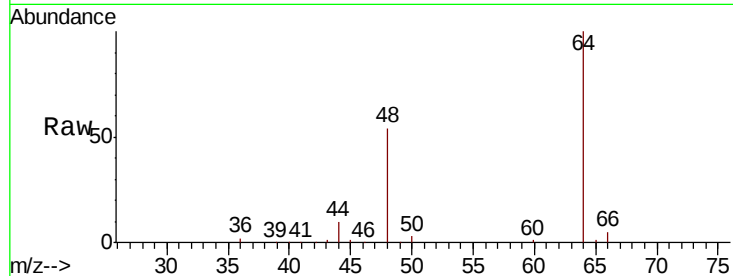
ClientSampleId :

Tot Ion: 50 Resp: 6063

Ion Ratio Lower Upper

50 100

52 0.0 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VU037297.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU037297.D (-1) (-)

1.50

2500

2000

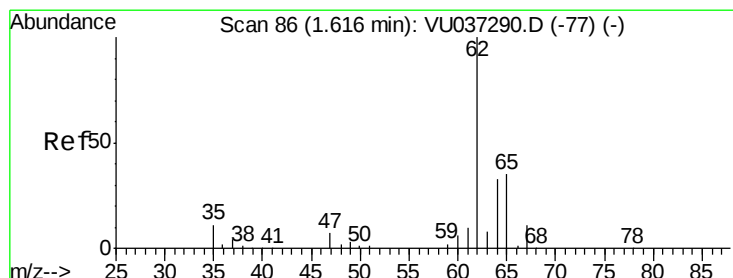
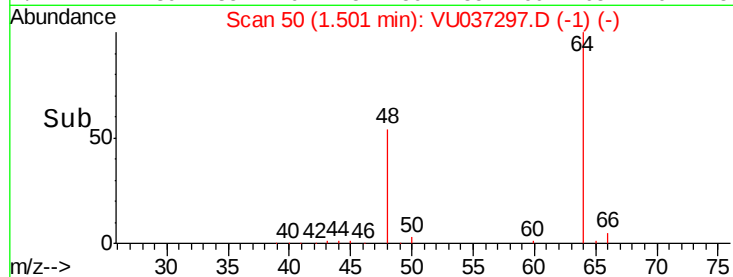
1500

1000

500

0

Time-->



#5

Vinyl chloride

Concen: 0.089 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037297.D

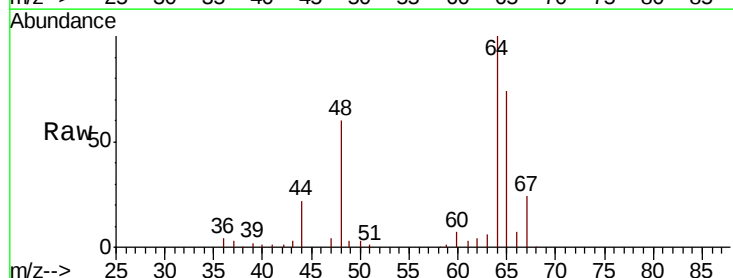
Acq: 16 Mar 2020 17:01

Tgt Ion: 62 Resp: 1322

Ion Ratio Lower Upper

62 100

64 2735.8 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU037297.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU037297.D (-1) (-)

50000

40000

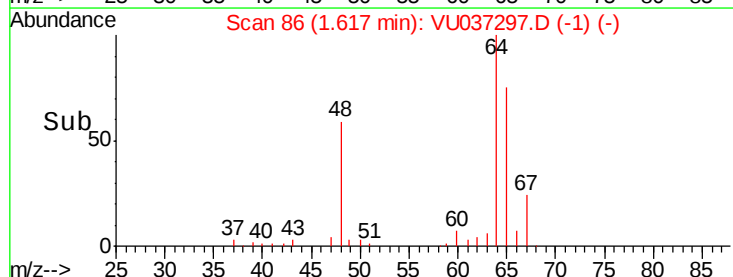
30000

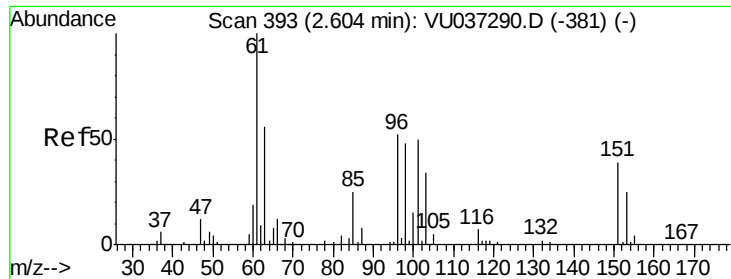
20000

10000

0

Time-->





#12

1,1-Dichloroethene

Concen: 6.113 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

Instrument :
MSVOA_U
ClientSampled :

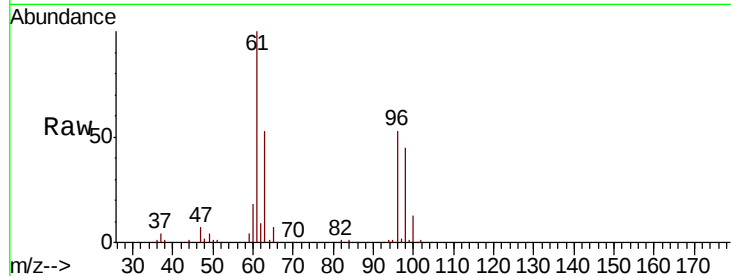
Tot Ion: 96 Resp: 56974

Ion Ratio Lower Upper

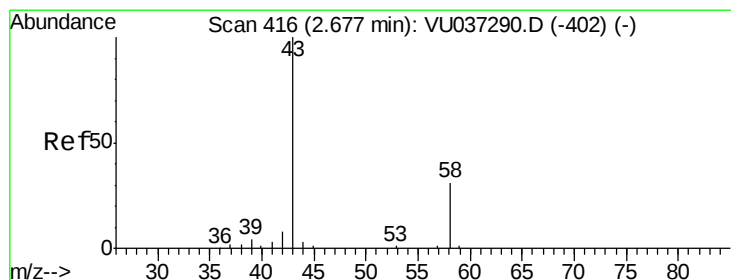
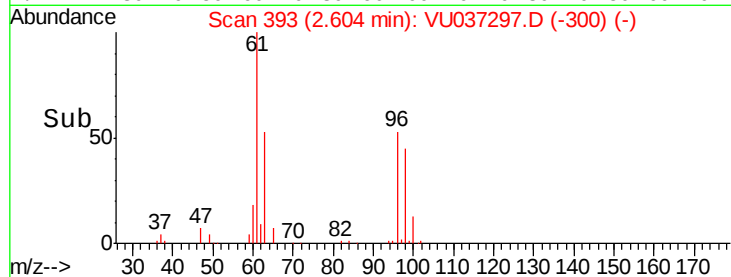
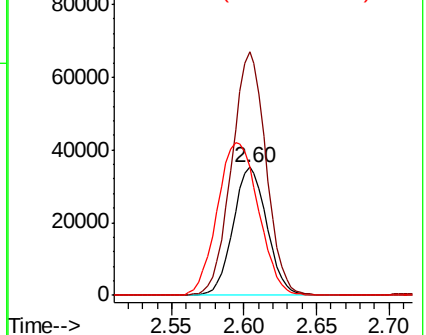
96 100

61 190.0 134.3 249.5

63 100.3 80.3 149.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 3.344 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU037297.D

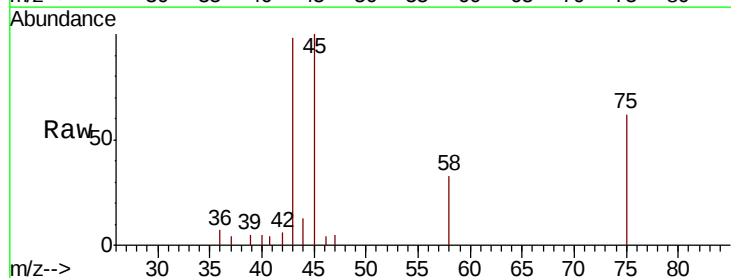
Acq: 16 Mar 2020 17:01

Tgt Ion: 43 Resp: 6472

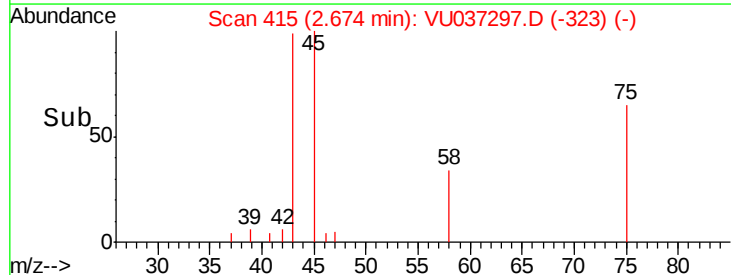
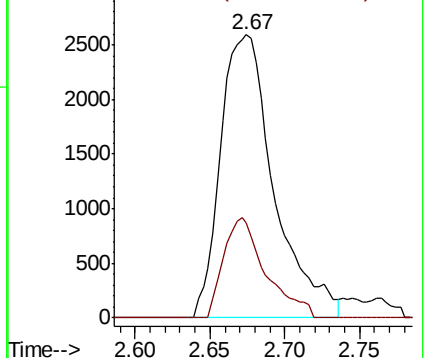
Ion Ratio Lower Upper

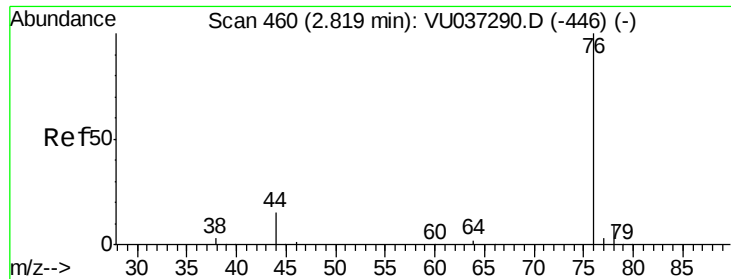
43 100

58 27.8 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.228 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

Instrument :

MSVOA_U

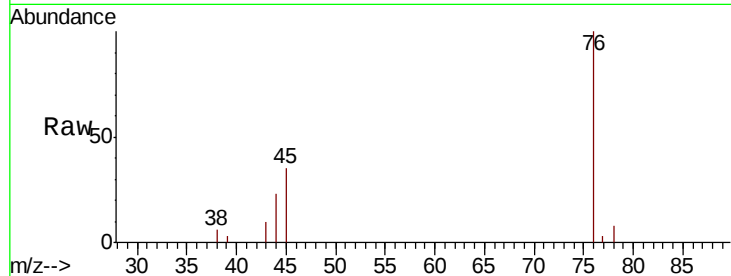
ClientSampleId :

Tot Ion: 76 Resp: 6841

Ion Ratio Lower Upper

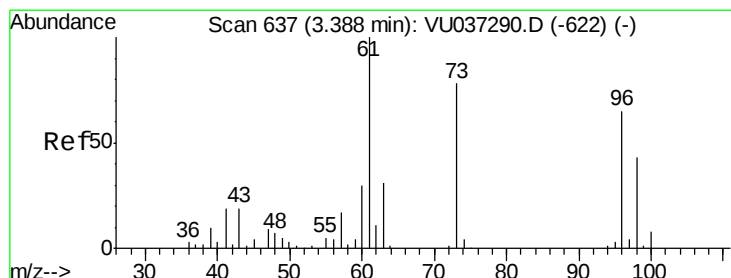
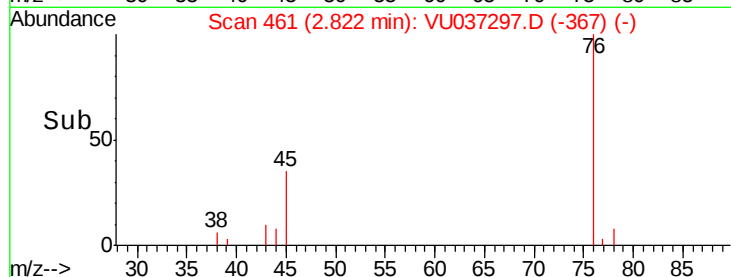
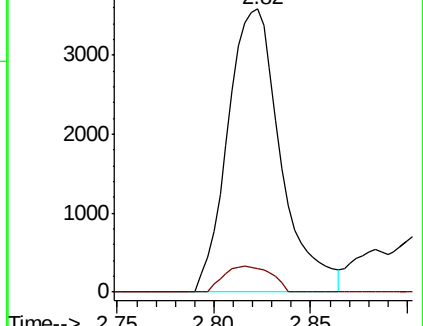
76 100

78 8.5 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037297.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037297.D (-446) (-)



#18

trans-1,2-Dichloroethene

Concen: 10.843 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

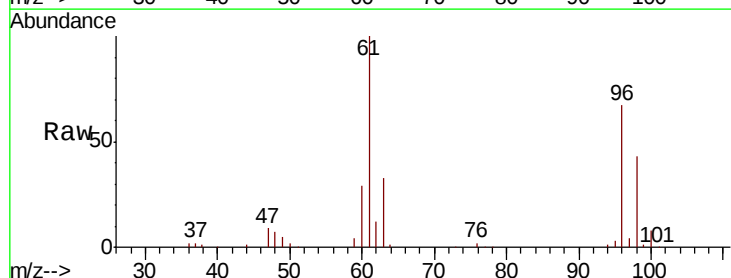
Tgt Ion: 96 Resp: 108915

Ion Ratio Lower Upper

96 100

61 149.4 107.5 199.7

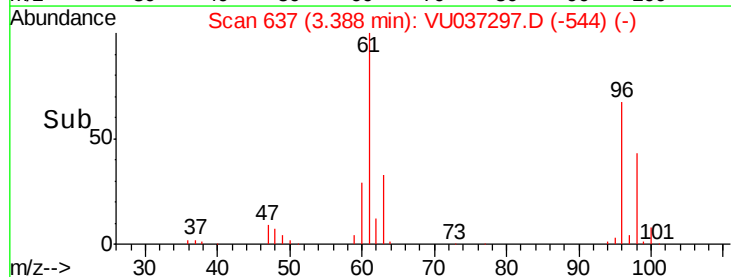
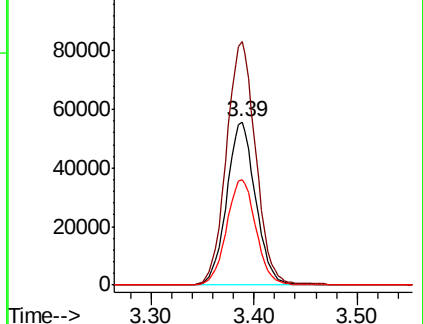
98 64.9 45.9 85.3

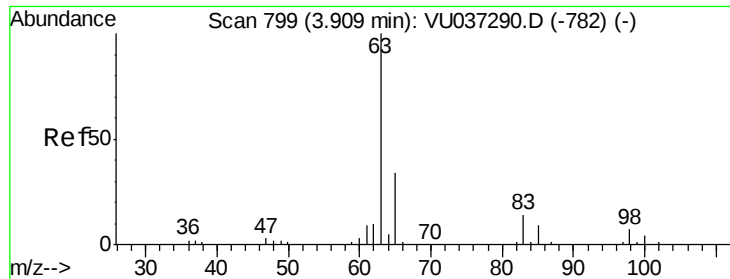


Abundance Ion 96.00 (95.70 to 96.70): VU037297.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU037297.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU037297.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 1.980 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

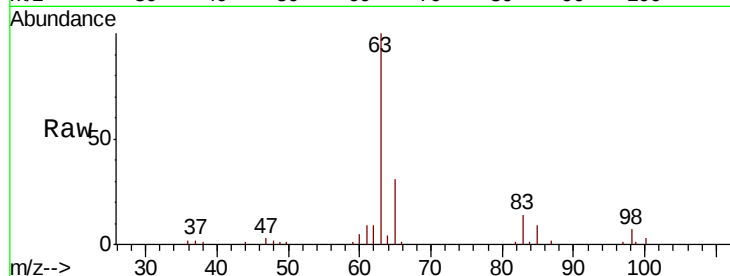
Tot Ion: 63 Resp: 40074

Ion Ratio Lower Upper

63 100

65 31.0 24.1 44.7

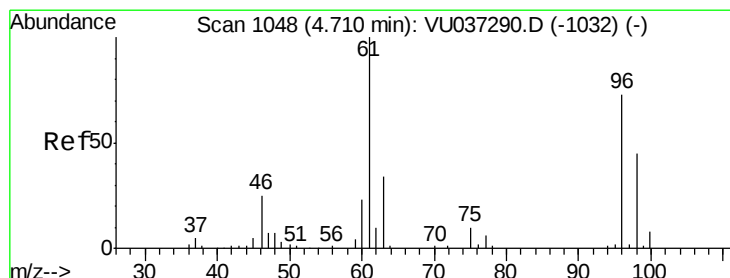
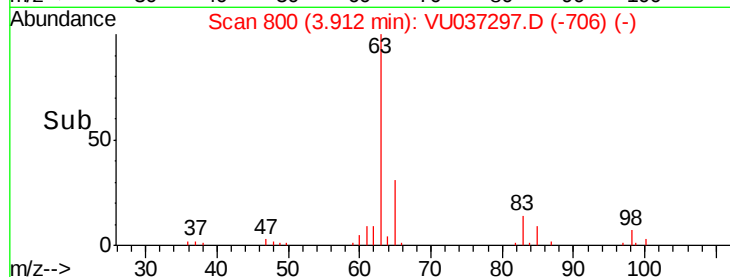
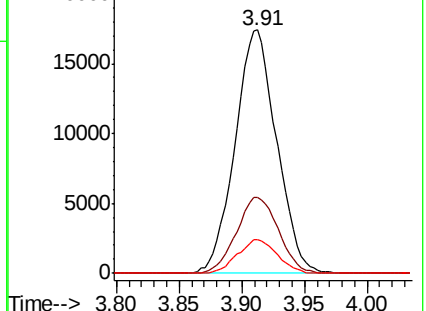
83 14.1 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU037297.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU037297.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU037297.D (-706) (-)



#22

cis-1,2-Dichloroethene

Concen: 97.731 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

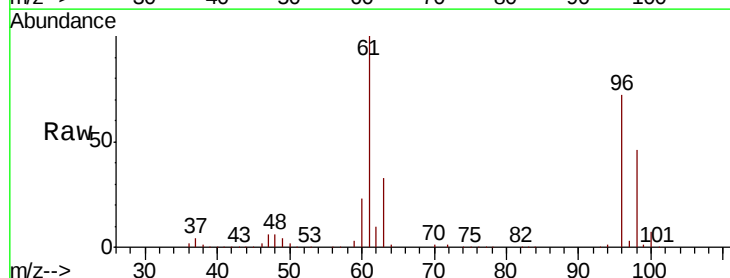
Tgt Ion: 96 Resp: 1089052

Ion Ratio Lower Upper

96 100

61 139.8 95.8 178.0

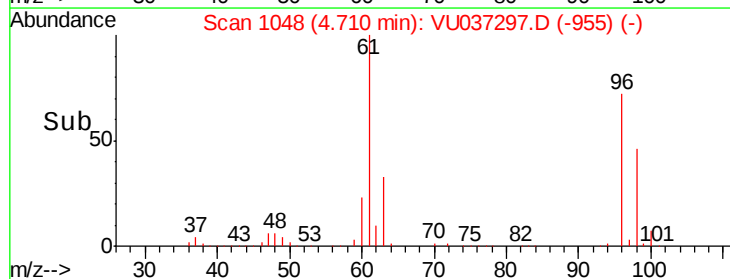
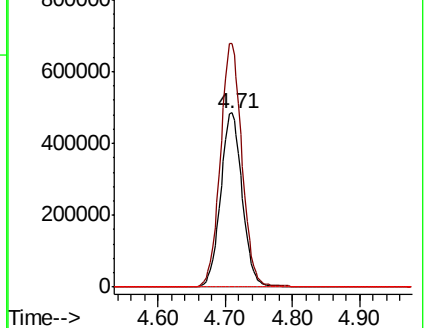
68 0.0 0.0 0.0

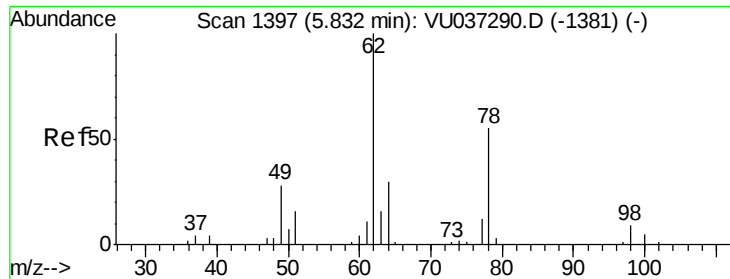


Abundance Ion 96.00 (95.70 to 96.70): VU037297.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU037297.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU037297.D (-955) (-)

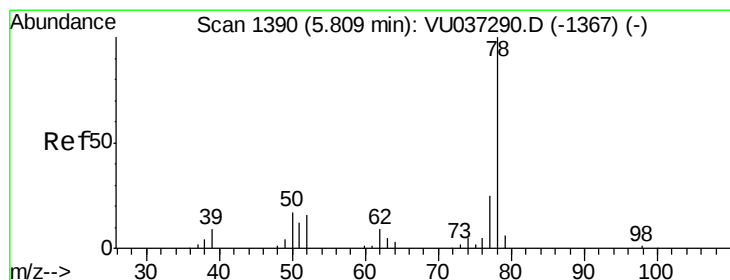
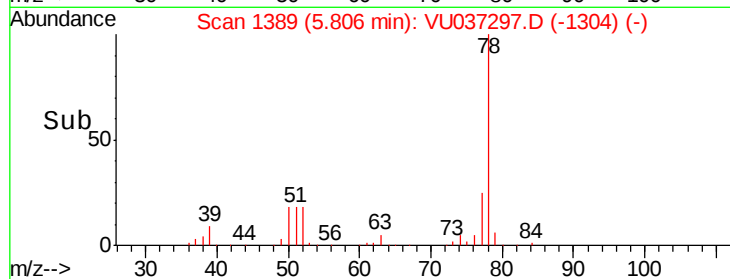
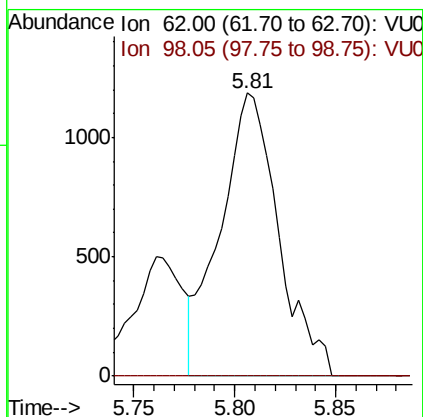
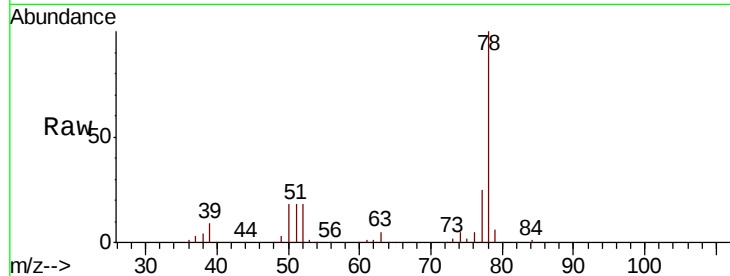




#27
 1,2-Dichloroethane
 Concen: 0.154 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. -0.03 min
 Lab File: VU037297.D
 Acq: 16 Mar 2020 17:01

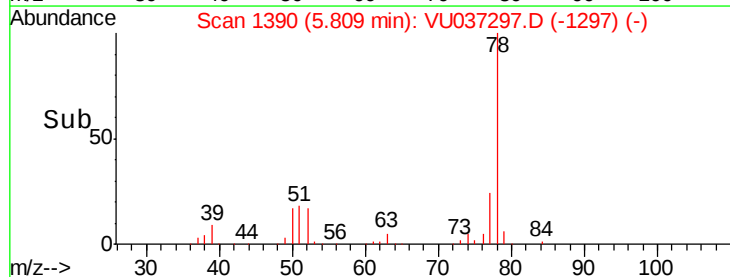
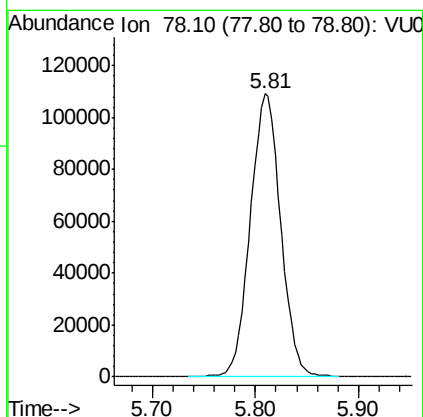
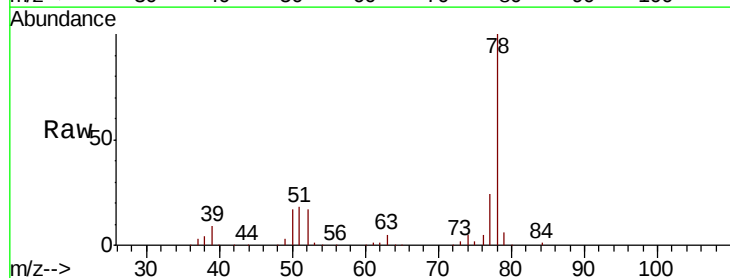
Instrument :
 MSVOA_U
 ClientSampleId :

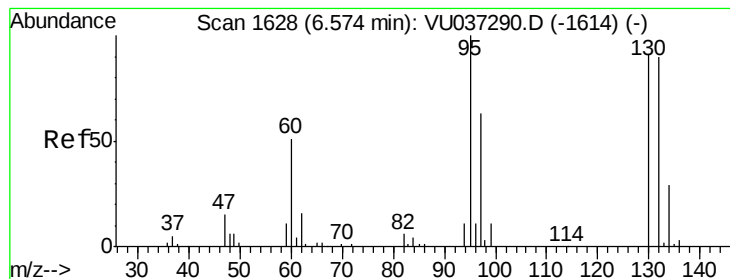
Tot Ion: 62 Resp: 2389
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.8 10.2#



#33
 Benzene
 Concen: 5.259 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VU037297.D
 Acq: 16 Mar 2020 17:01

Tgt Ion: 78 Resp: 223000





#34

Trichloroethene

Concen: 4.924 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 57043

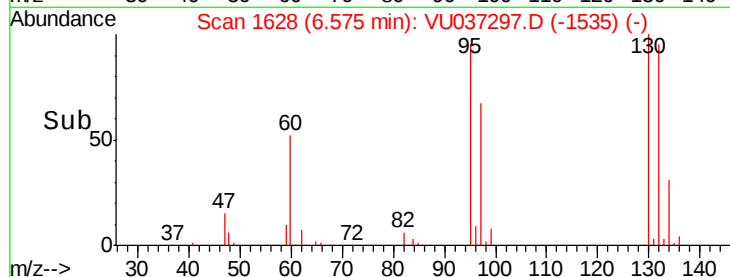
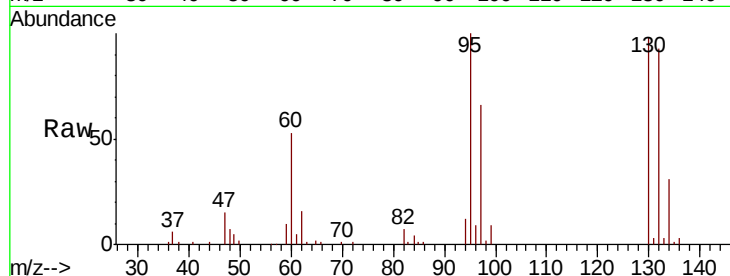
Ion Ratio Lower Upper

95 100

97 65.6 44.3 82.3

132 92.5 63.2 117.4

130 97.9 64.0 119.0



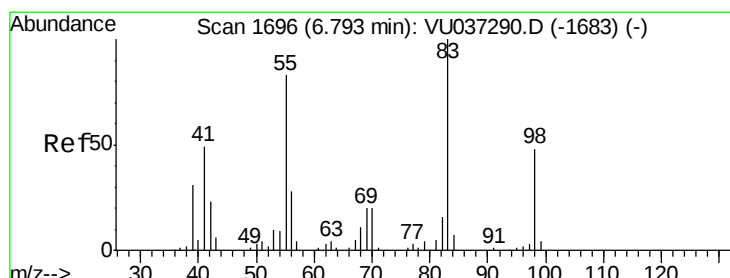
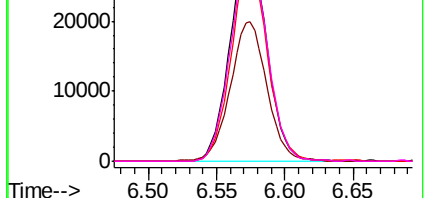
Abundance Ion 95.00 (94.70 to 95.70): VU037297.D (-1535) (-)

Ion 96.95 (96.65 to 97.65): VU037297.D (-1535) (-)

Ion 131.95 (131.65 to 132.65): VU037297.D (-1535) (-)

Ion 129.95 (129.65 to 130.65): VU037297.D (-1535) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.645 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

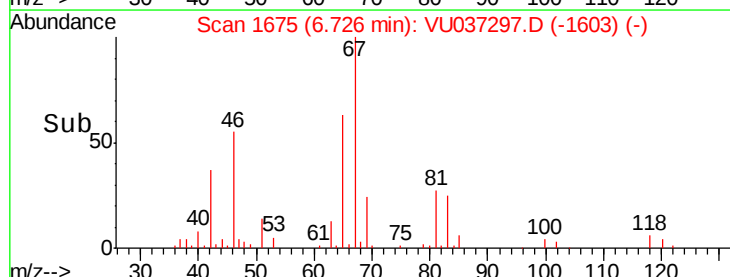
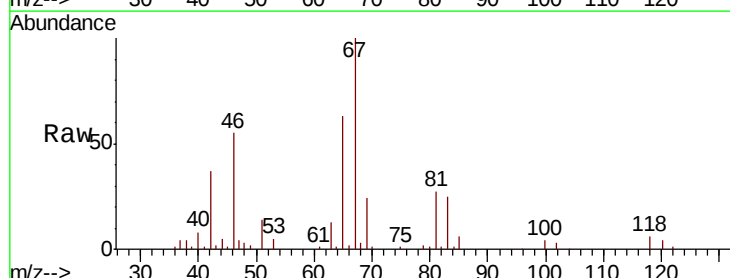
Tgt Ion: 83 Resp: 11297

Ion Ratio Lower Upper

83 100

55 0.7 67.0 100.6#

98 0.8 37.4 56.0#

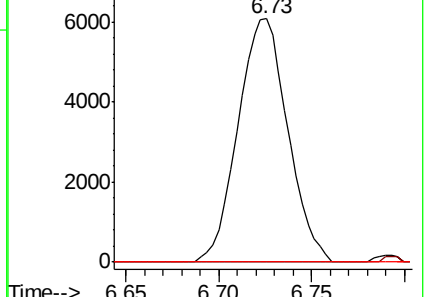


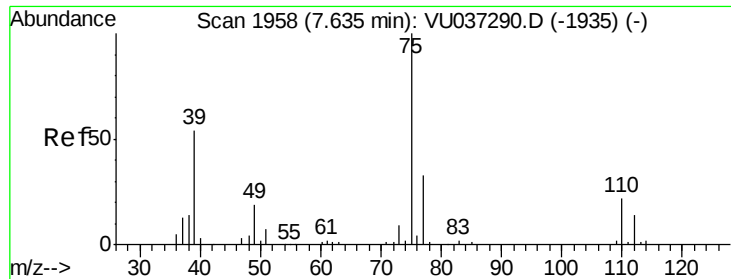
Abundance Ion 83.15 (82.85 to 83.85): VU037297.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU037297.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU037297.D (-1603) (-)

Time-->

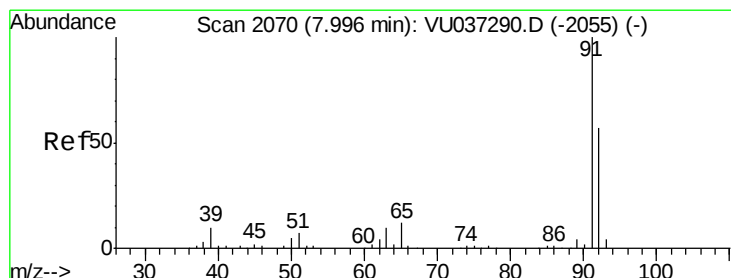
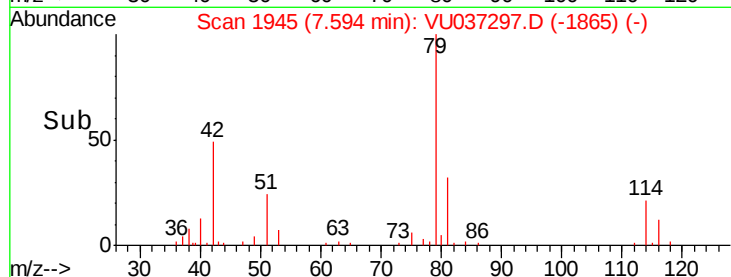
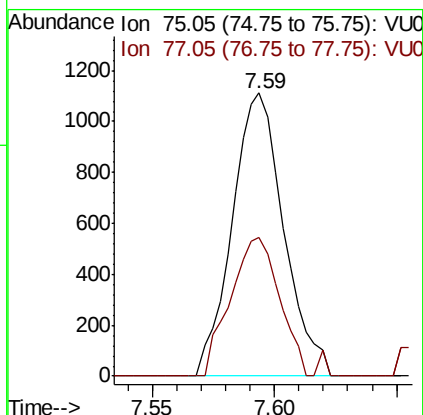
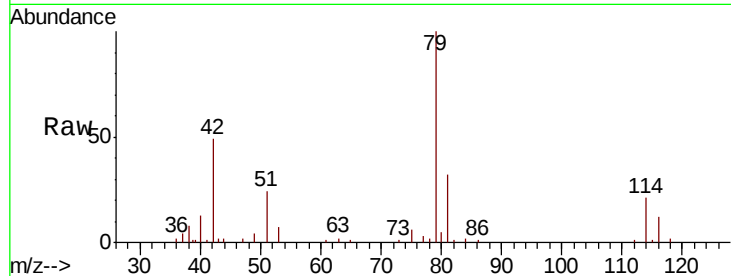




#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037297.D
 Acq: 16 Mar 2020 17:01

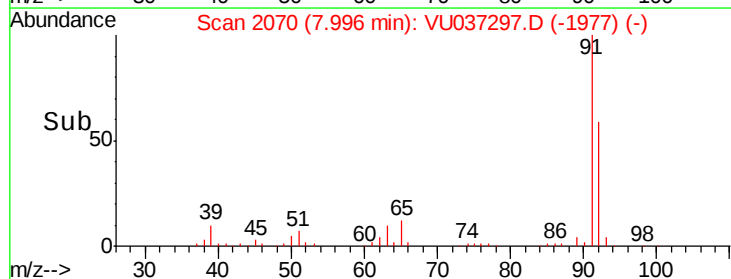
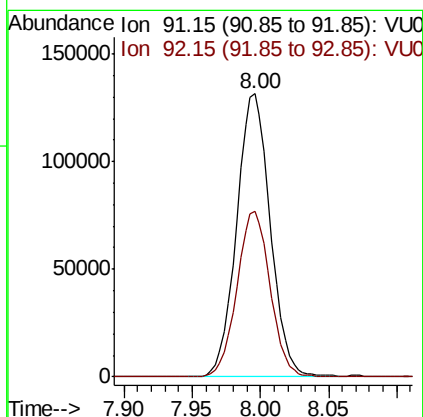
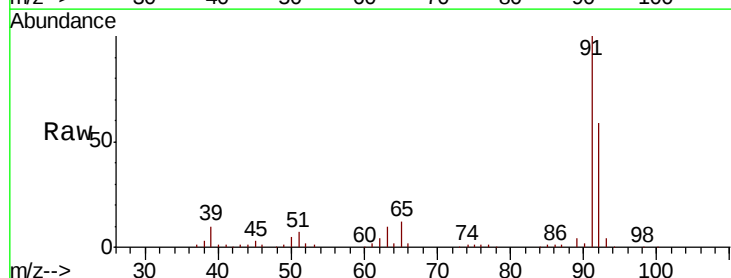
Instrument :
 MSVOA_U
 ClientSampled :

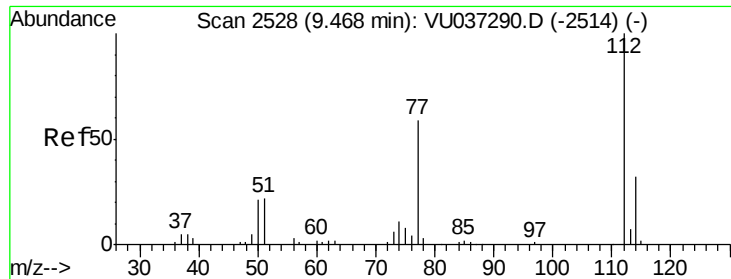
Tot Ion: 75 Resp: 1626
 Ion Ratio Lower Upper
 75 100
 77 49.1 23.0 42.8#



#42
 Toluene
 Concen: 4.924 ug/L
 RT: 8.00 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VU037297.D
 Acq: 16 Mar 2020 17:01

Tgt Ion: 91 Resp: 225098
 Ion Ratio Lower Upper
 91 100
 92 58.6 39.8 73.8





#51

Chlorobenzene

Concen: 4.916 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037297.D

Acq: 16 Mar 2020 17:01

Instrument :

MSVOA_U

ClientSampled :

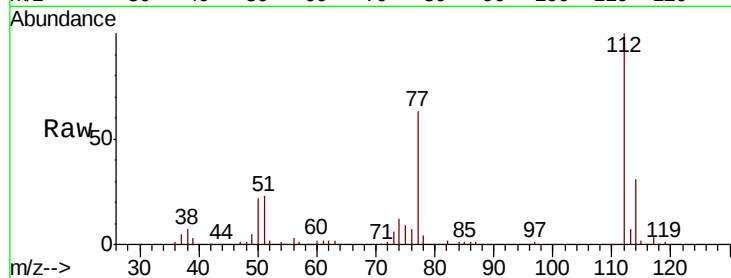
Tot Ion:112 Resp: 145036

Ion Ratio Lower Upper

112 100

114 31.4 22.1 41.1

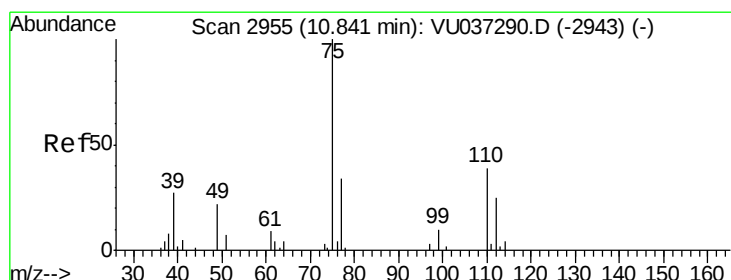
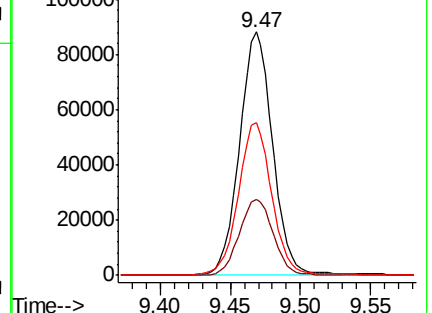
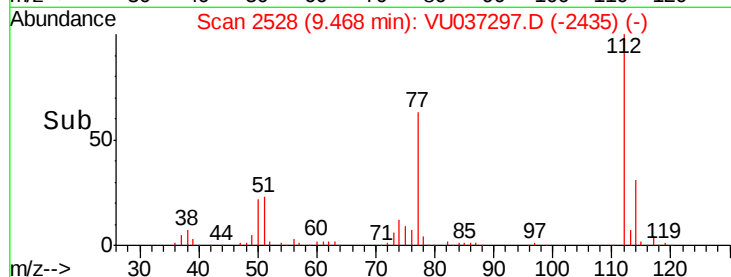
77 62.7 47.8 71.6



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.030 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037297.D

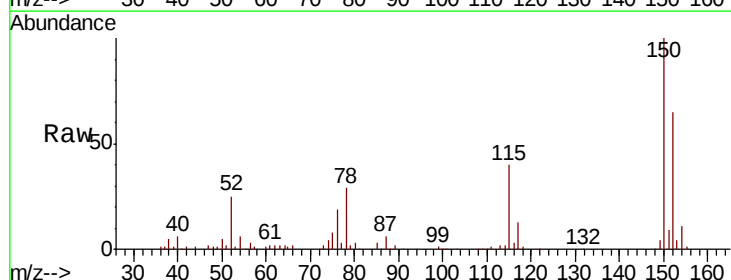
Acq: 16 Mar 2020 17:01

Tgt Ion: 75 Resp: 8205

Ion Ratio Lower Upper

75 100

77 42.1 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

