

Data File : VU036368.D
Acq On : 28 Dec 2019 14:41
Operator : JC/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Quant Time: Dec 30 06:10:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 30 06:07:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	267787	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	254876	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	122263	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	99672	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.93	69	91705	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.59	63	181440	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	4.69	46	258434	52.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.14%
24) Chloroform-d	5.11	84	196281	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.75	65	105795	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.77	84	374286	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.73	67	118705	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.93	98	349630	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	8.21	79	53771	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.67	63	242211	51.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.50%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	102941	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	127964	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	100631	4.704 ug/L	98
3) Chloromethane	1.54	50	102369	4.950 ug/L	96
5) Vinyl chloride	1.62	62	111554	4.979 ug/L	98
6) Bromomethane	1.87	94	63912	4.949 ug/L	97
8) Chloroethane	1.95	64	63934	4.822 ug/L	100
9) Trichlorofluoromethane	2.16	101	151912	4.780 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	80524	4.872 ug/L	99
12) 1,1-Dichloroethene	2.60	96	78611	4.823 ug/L	86
13) Acetone	2.67	43	144042	45.055 ug/L	99
14) Carbon disulfide	2.82	76	265750	4.971 ug/L	97
15) Methyl Acetate	3.00	43	35321	5.006 ug/L	99
16) Methylene chloride	3.08	84	93640	4.525 ug/L	99
17) Methyl tert-butyl Ether	3.41	73	233799	4.958 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	85574	4.689 ug/L	90
19) 1,1-Dichloroethane	3.92	63	166134	5.027 ug/L	98
21) 2-Butanone	4.77	43	261917	50.630 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	100160	4.889 ug/L	96

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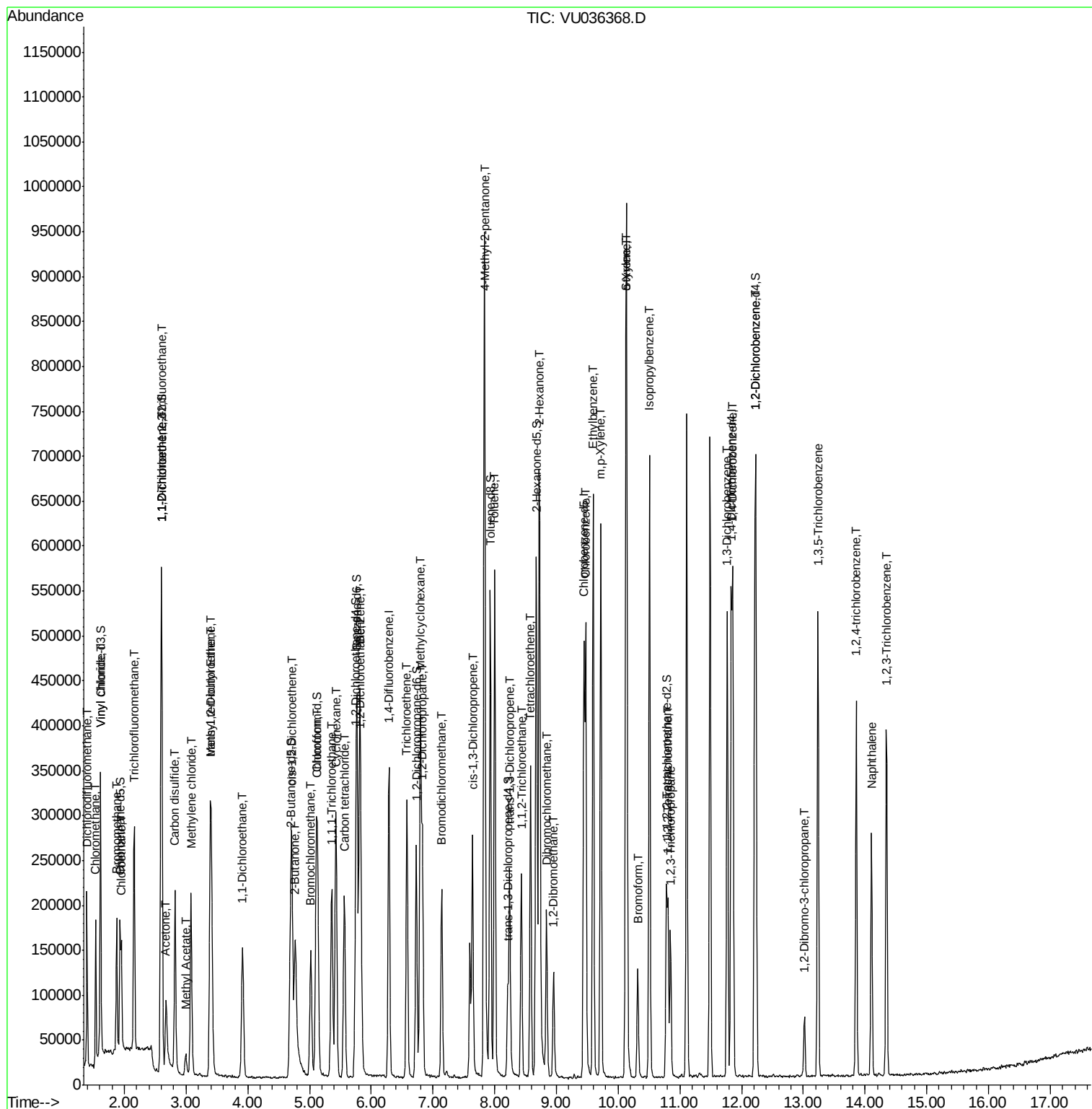
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	41929	4.913	ug/L	95
25) Chloroform	5.13	83	177166	5.049	ug/L	96
27) 1,2-Dichloroethane	5.84	62	113981	4.933	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	153437	4.840	ug/L	97
30) Cyclohexane	5.43	56	149952	4.755	ug/L	94
31) Carbon tetrachloride	5.57	117	131518	4.879	ug/L	98
33) Benzene	5.82	78	370279	4.903	ug/L	100
34) Trichloroethene	6.58	95	103623	5.094	ug/L	99
35) Methylcyclohexane	6.80	83	161635	5.014	ug/L	99
37) 1,2-Dichloropropane	6.83	63	93625	4.806	ug/L	99
38) Bromodichloromethane	7.14	83	132742	4.937	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	158247	4.954	ug/L	97
40) 4-Methyl-2-pentanone	7.84	43	690317	50.303	ug/L	99
42) Toluene	8.00	91	403593	4.830	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	130049	4.956	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	70376	4.967	ug/L	97
47) Tetrachloroethene	8.58	164	70214	4.905	ug/L	97
48) 2-Hexanone	8.72	43	502456	51.728	ug/L	99
49) Dibromochloromethane	8.84	129	87008	4.641	ug/L	94
50) 1,2-Dibromoethane	8.95	107	71706	4.993	ug/L #	100
51) Chlorobenzene	9.47	112	253277	4.861	ug/L	98
52) Ethylbenzene	9.60	91	458999	4.956	ug/L	100
53) m,p-Xylene	9.72	106	177072	4.975	ug/L	97
54) o-Xylene	10.12	106	168617	4.878	ug/L	94
55) Styrene	10.14	104	286439	4.876	ug/L	99
56) Isopropylbenzene	10.51	105	446300	4.863	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	92332	4.834	ug/L #	94
59) 1,2,3-Trichloropropane	10.85	75	67287	5.007	ug/L	98
61) Bromoform	10.32	173	52500	4.815	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	199078	4.871	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	196585	4.864	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	187671	4.875	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17420	4.923	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	141908	4.886	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	110842	5.197	ug/L	98
69) Naphthalene	14.10	128	208133	5.604	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	107579	5.232	ug/L	100

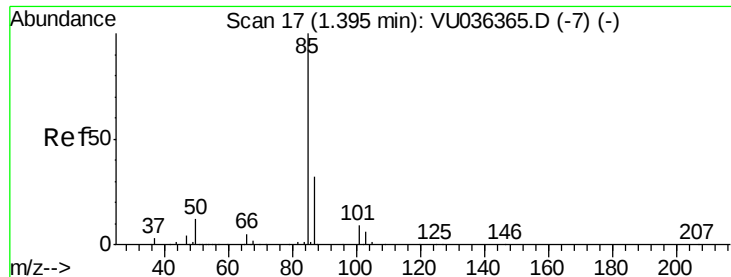
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.704 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

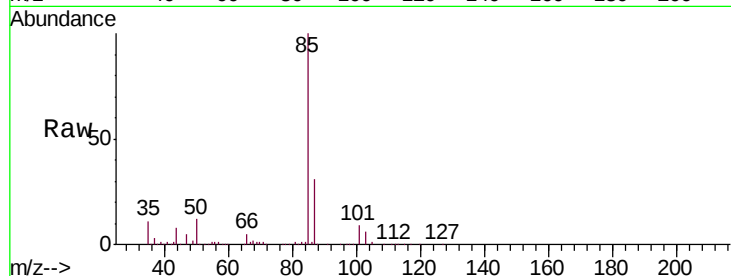
VICV01

Tgt Ion: 85 Resp: 100631

Ion Ratio Lower Upper

85 100

87 31.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036368.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036368.D (-1) (-)

120000

100000

80000

60000

40000

20000

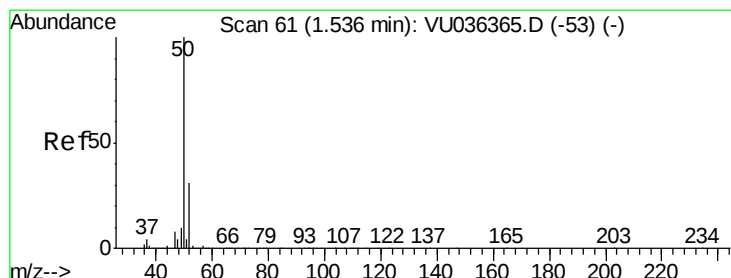
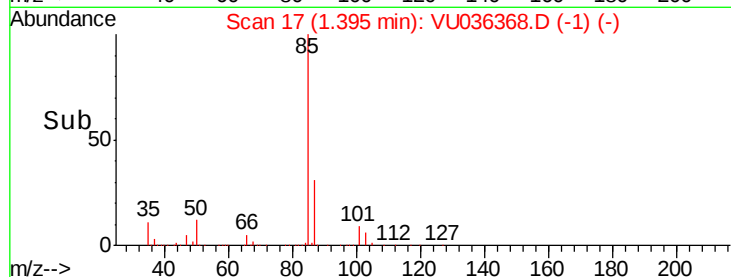
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 4.950 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036368.D

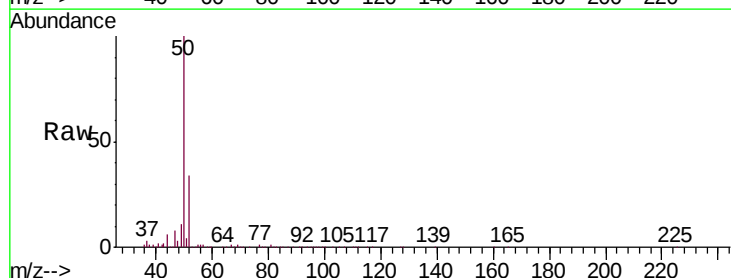
Acq: 28 Dec 2019 14:41

Tgt Ion: 50 Resp: 102369

Ion Ratio Lower Upper

50 100

52 33.7 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VU036368.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036368.D (-1) (-)

100000

80000

60000

40000

20000

0

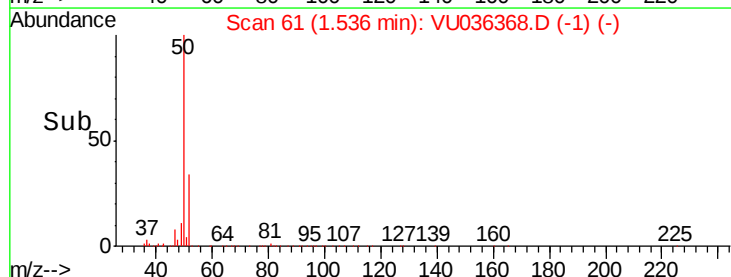
1.45

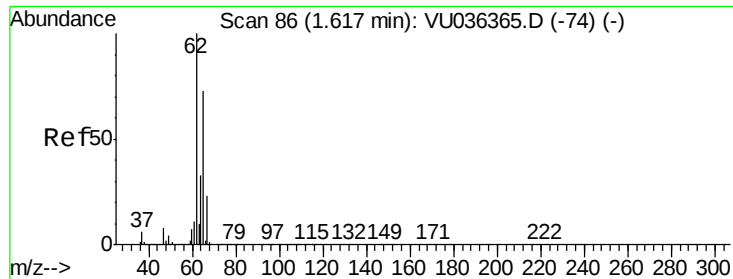
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 4.979 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

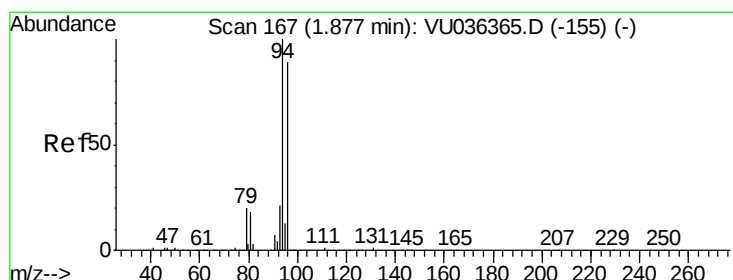
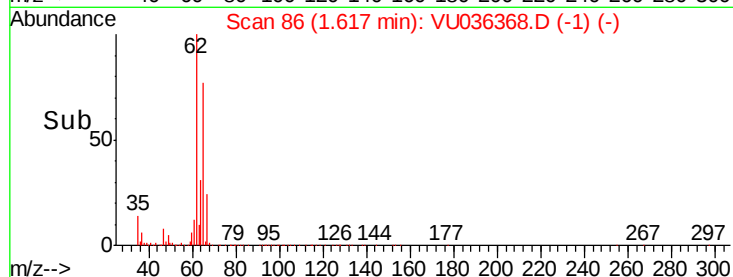
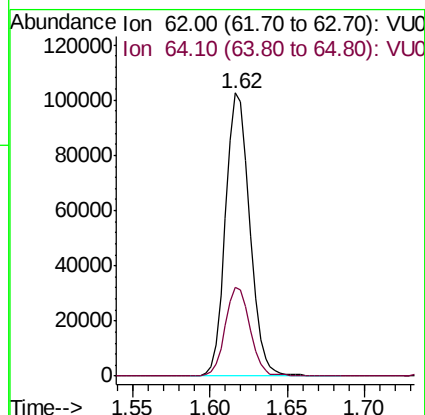
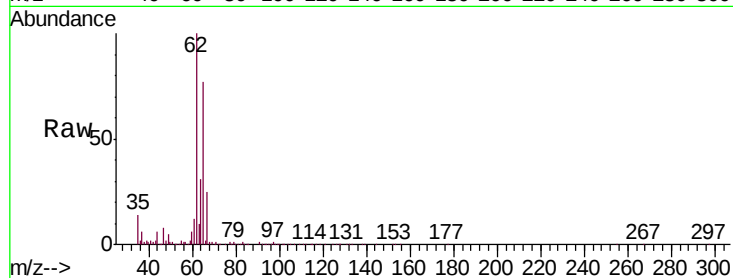
VICV01

Tgt Ion: 62 Resp: 111554

Ion Ratio Lower Upper

62 100

64 31.4 22.9 42.5



#6

Bromomethane

Concen: 4.949 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036368.D

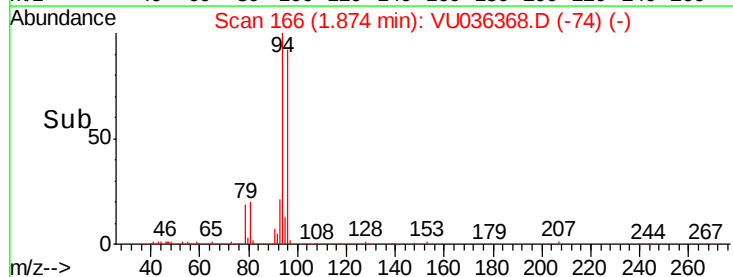
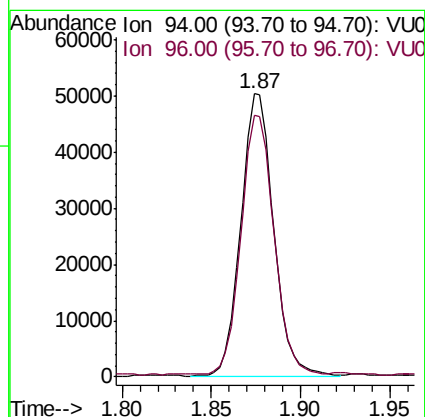
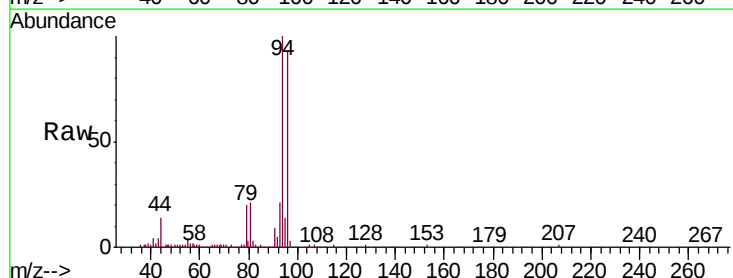
Acq: 28 Dec 2019 14:41

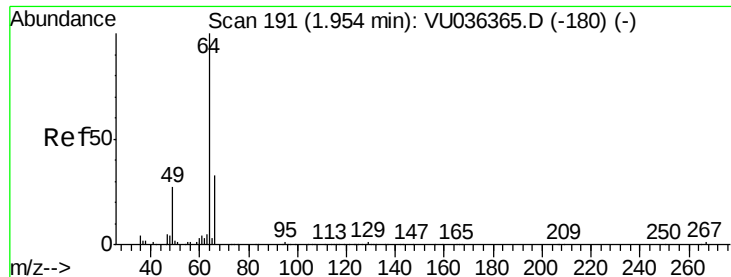
Tgt Ion: 94 Resp: 63912

Ion Ratio Lower Upper

94 100

96 92.5 62.9 116.7





#8

Chloroethane

Concen: 4.822 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

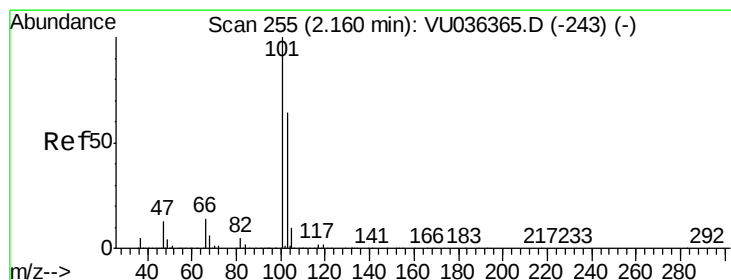
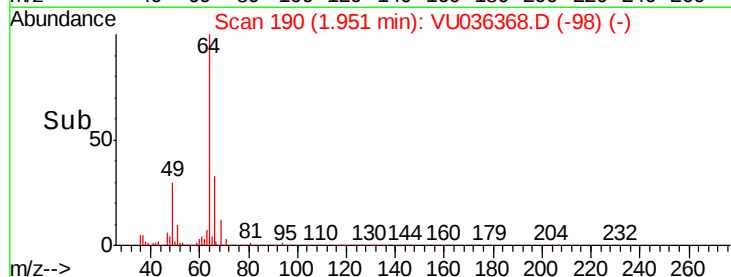
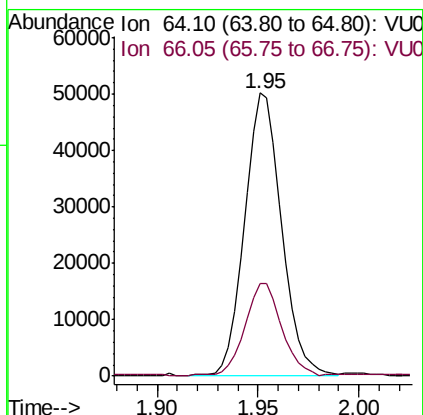
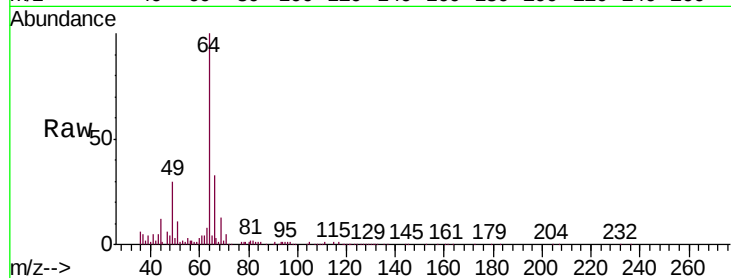
VICV01

Tgt Ion: 64 Resp: 63934

Ion Ratio Lower Upper

64 100

66 32.9 23.0 42.6



#9

Trichlorofluoromethane

Concen: 4.780 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU036368.D

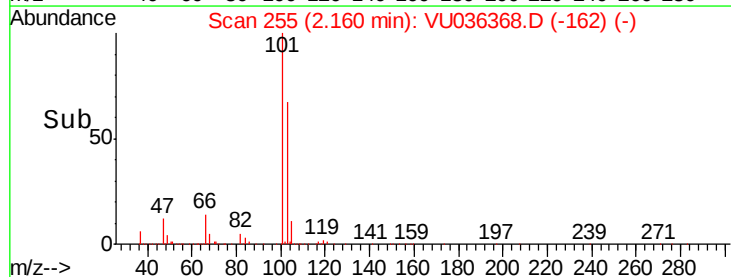
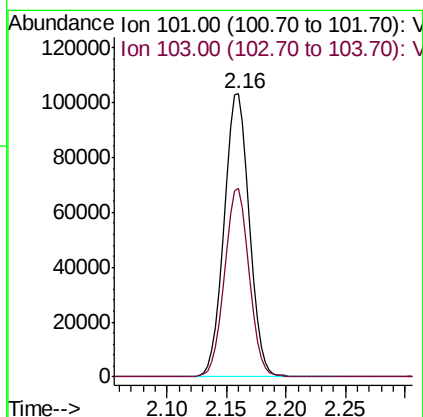
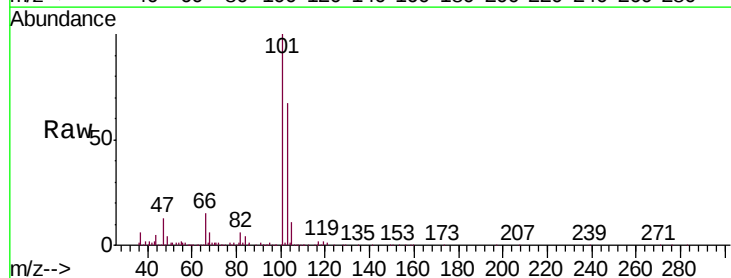
Acq: 28 Dec 2019 14:41

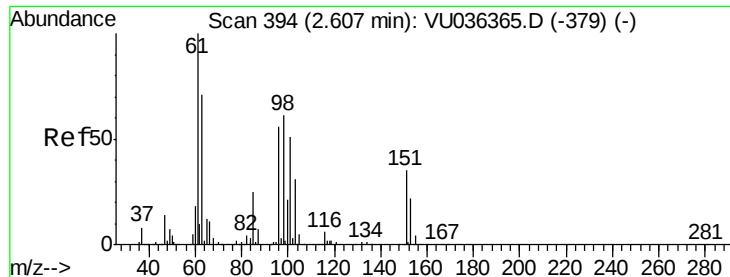
Tgt Ion: 101 Resp: 151912

Ion Ratio Lower Upper

101 100

103 64.7 52.8 79.2





#10

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

Concen: 4.872 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV01

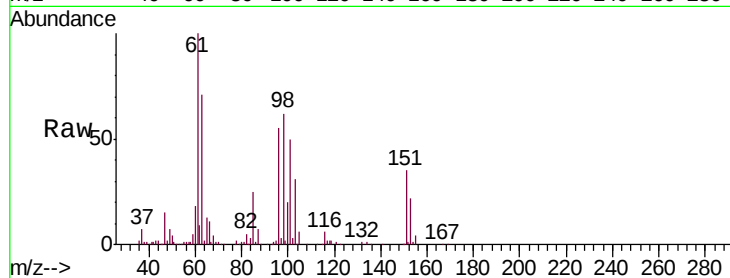
Tgt Ion:101 Resp: 80524

Ion Ratio Lower Upper

101 100

85 48.6 39.1 58.7

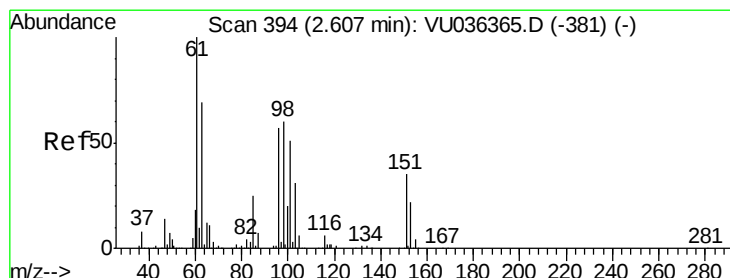
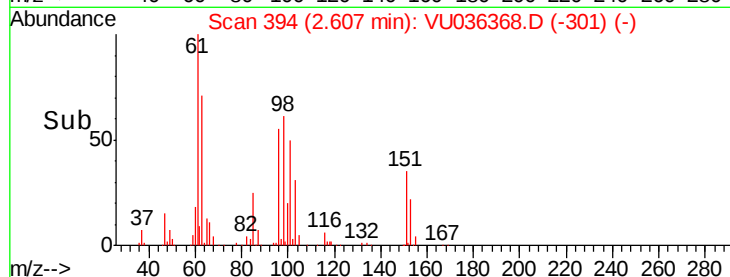
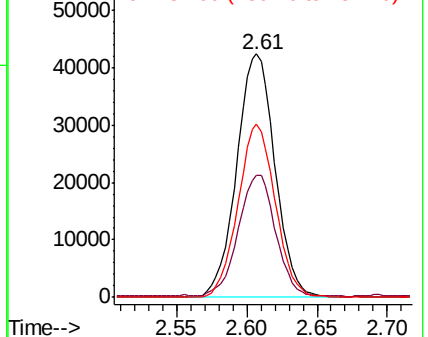
151 69.2 54.9 82.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.823 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

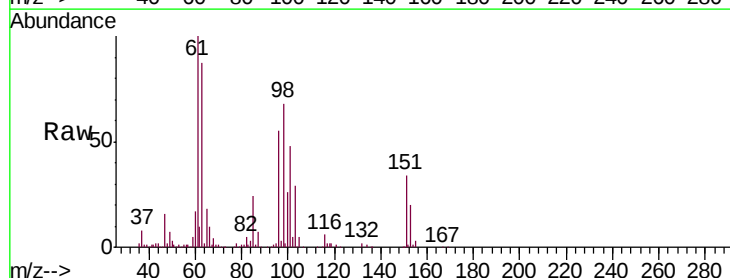
Tgt Ion: 96 Resp: 78611

Ion Ratio Lower Upper

96 100

61 183.2 123.8 230.0

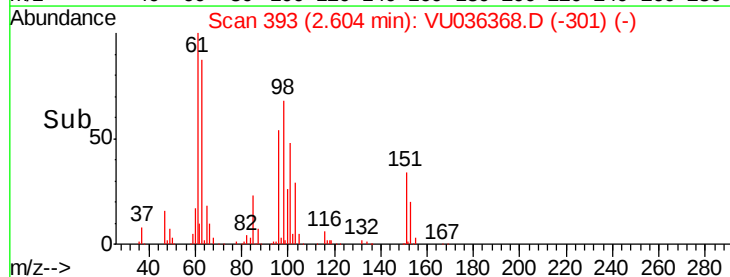
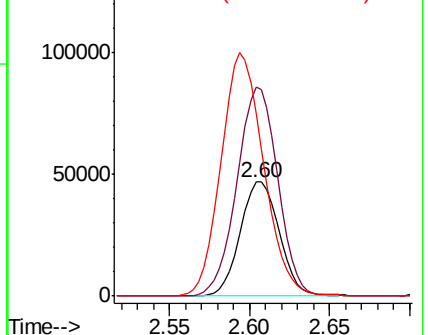
63 159.0 89.0 165.4

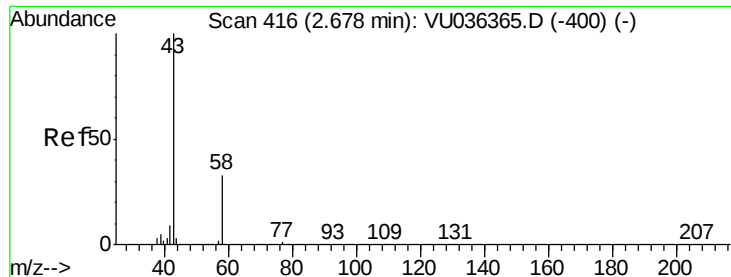


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.055 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

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ClientSampleId :

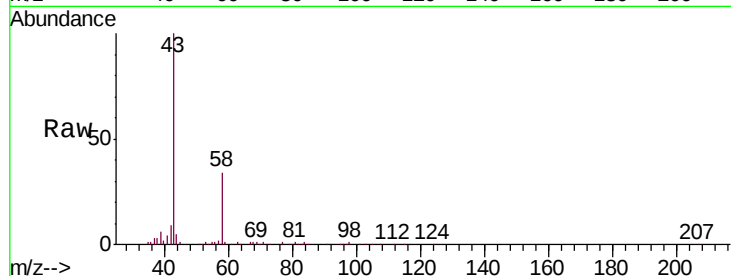
VICV01

Tgt Ion: 43 Resp: 144042

Ion Ratio Lower Upper

43 100

58 28.1 0.0 57.0

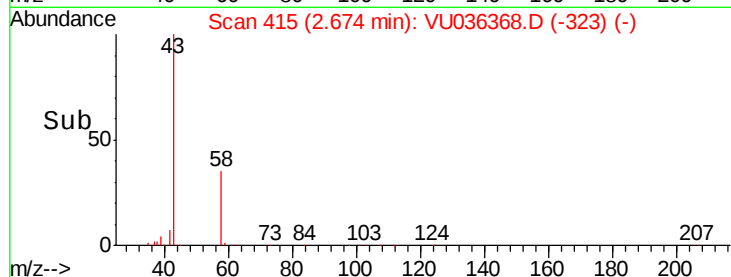


Abundance Ion 43.05 (42.75 to 43.75): VU036365.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036365.D (-400) (-)

2.67

2.60 2.70 2.80

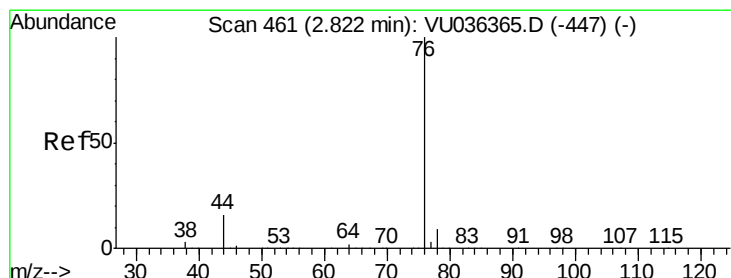


Abundance Ion 43.05 (42.75 to 43.75): VU036368.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU036368.D (-323) (-)

2.67

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.971 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036368.D

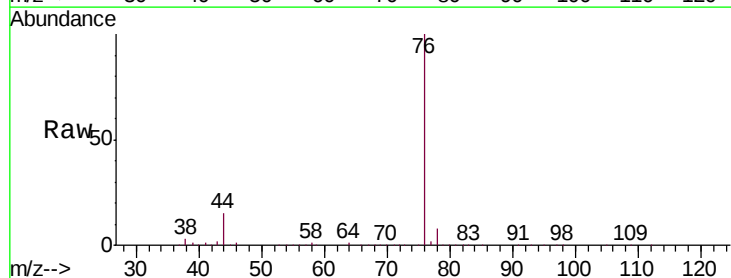
Acq: 28 Dec 2019 14:41

Tgt Ion: 76 Resp: 265750

Ion Ratio Lower Upper

76 100

78 8.4 7.6 11.4

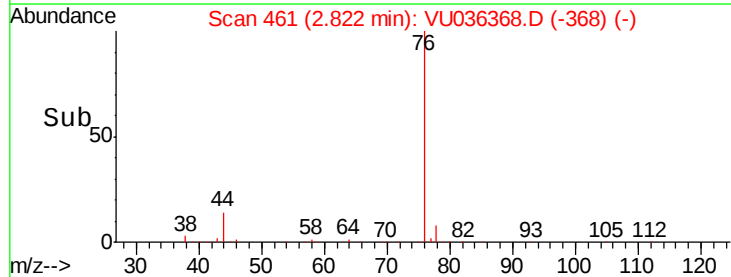


Abundance Ion 76.05 (75.75 to 76.75): VU036365.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036365.D (-447) (-)

2.82

2.80 2.90

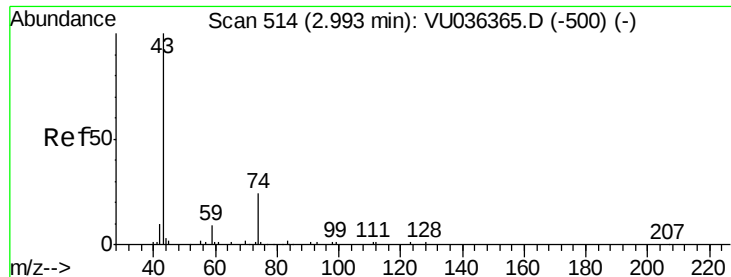


Abundance Ion 76.05 (75.75 to 76.75): VU036368.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036368.D (-368) (-)

2.82

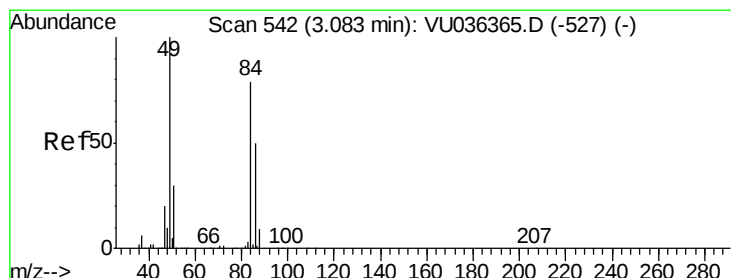
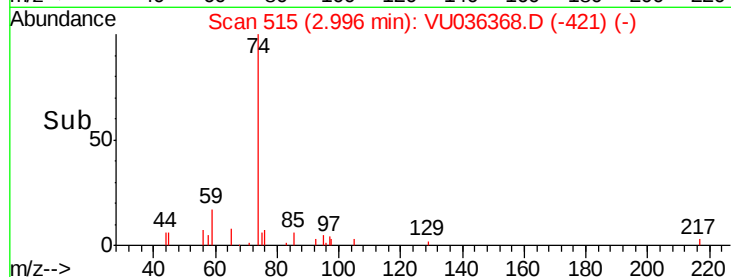
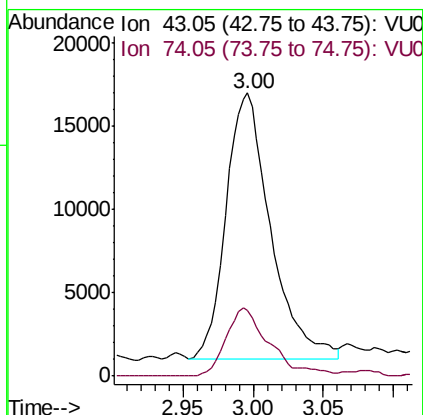
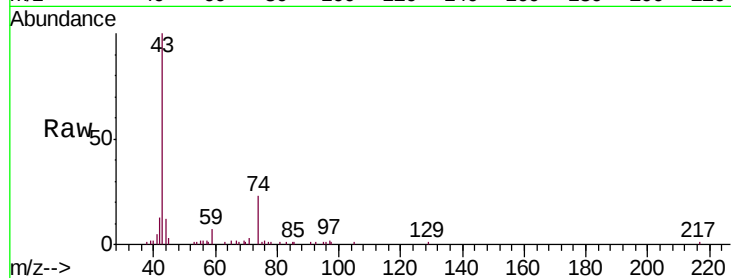
2.80 2.90



#15
Methyl Acetate
Concen: 5.006 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

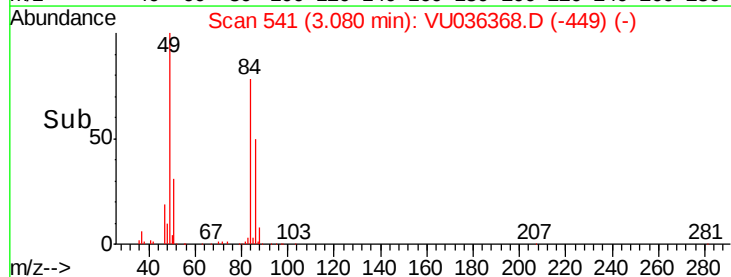
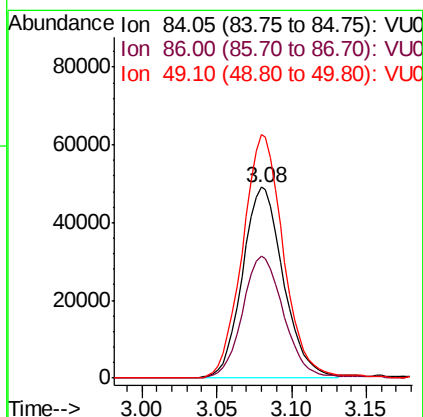
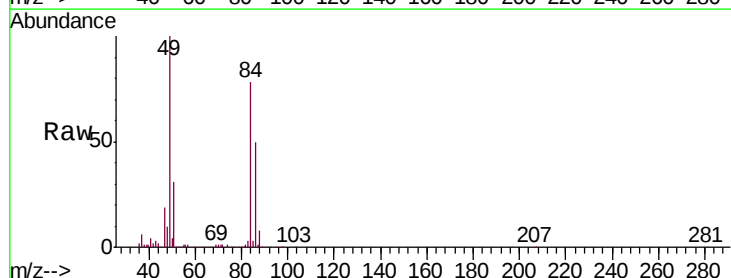
Instrument :
MSVOA_U
ClientSampleId :
VICV01

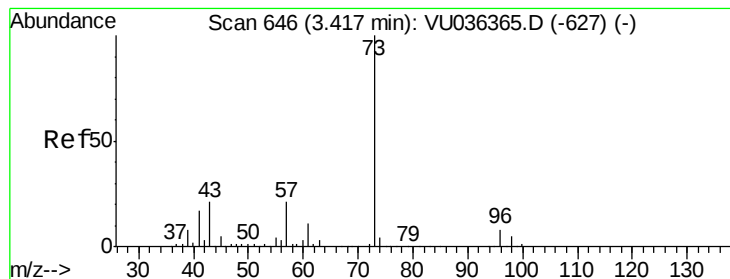
Tgt Ion: 43 Resp: 35321
Ion Ratio Lower Upper
43 100
74 24.8 20.1 30.1



#16
Methylene chloride
Concen: 4.525 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

Tgt Ion: 84 Resp: 93640
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.5
49 127.5 89.0 165.2





#17

Methyl tert-butyl Ether

Concen: 4.958 ug/L

RT: 3.41 min Scan# 644

Delta R.T. -0.01 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampled :

VICV01

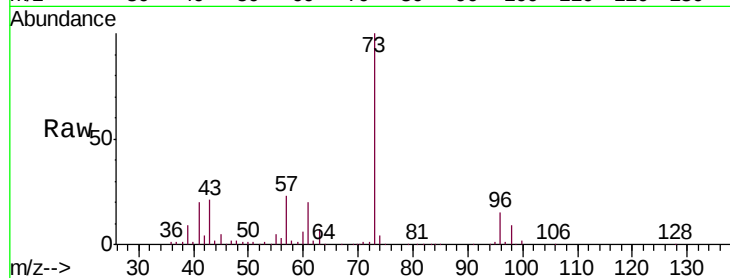
Tgt Ion: 73 Resp: 233799

Ion Ratio Lower Upper

73 100

43 20.4 16.3 24.5

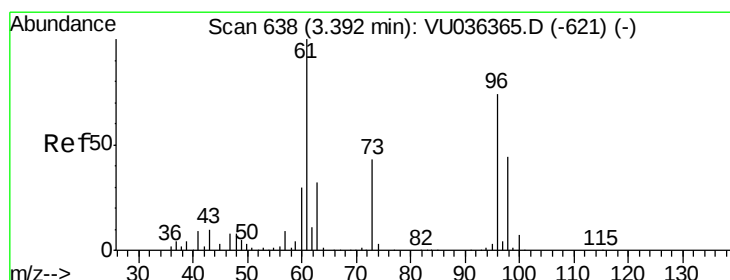
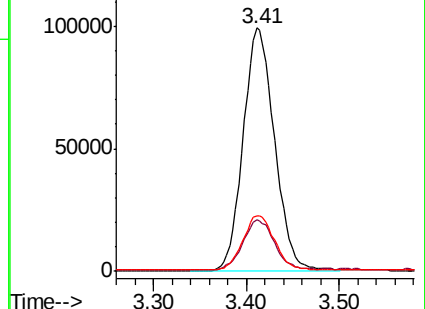
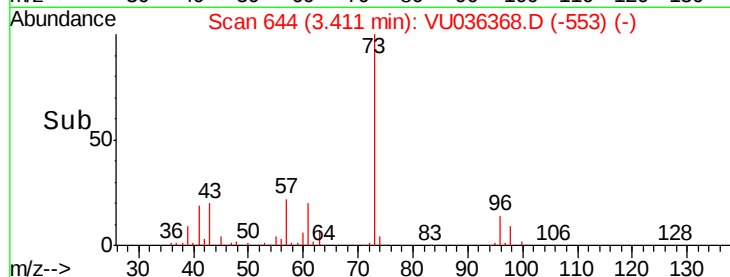
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036368.D (-553) (-)

Ion 43.05 (42.75 to 43.75): VU036368.D (-553) (-)

Ion 57.10 (56.80 to 57.80): VU036368.D (-553) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.689 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

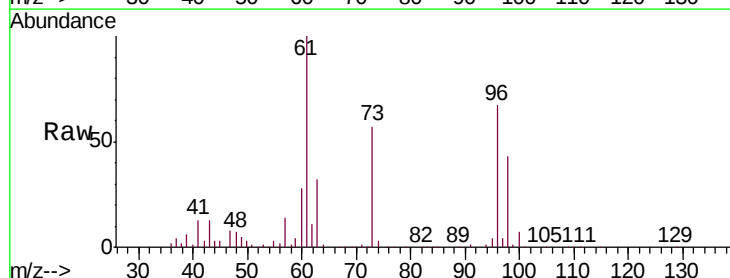
Tgt Ion: 96 Resp: 85574

Ion Ratio Lower Upper

96 100

61 150.2 94.8 176.2

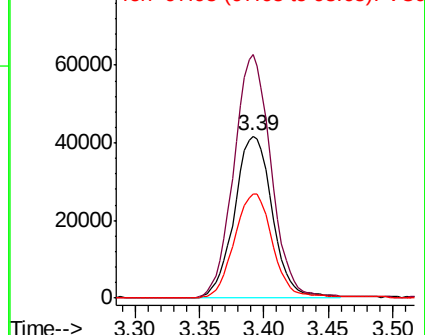
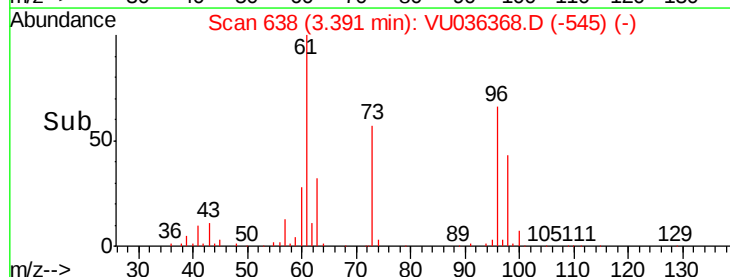
98 64.4 42.3 78.5

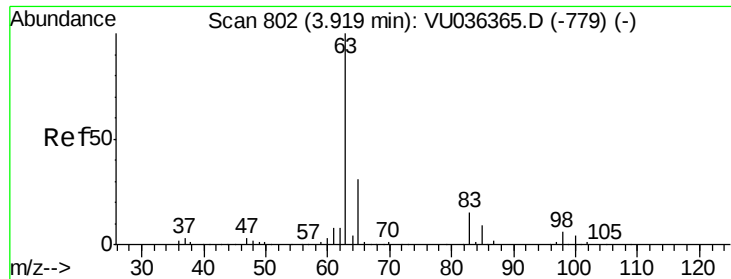


Abundance Ion 96.00 (95.70 to 96.70): VU036368.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU036368.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU036368.D (-545) (-)

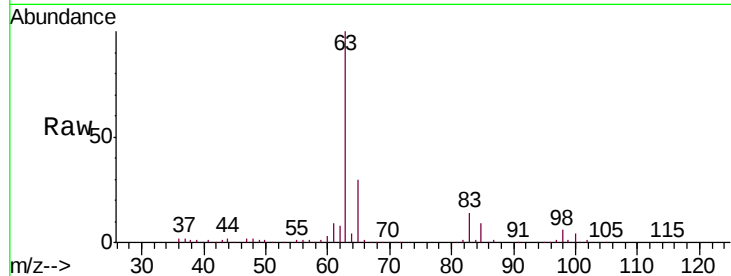




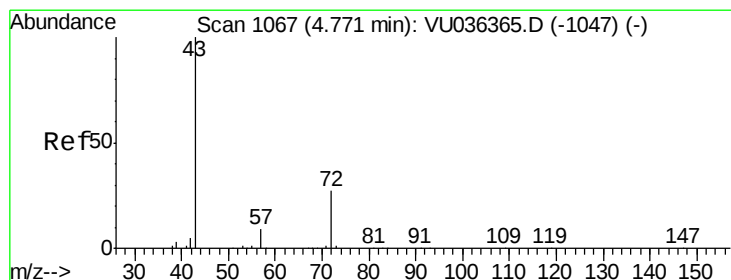
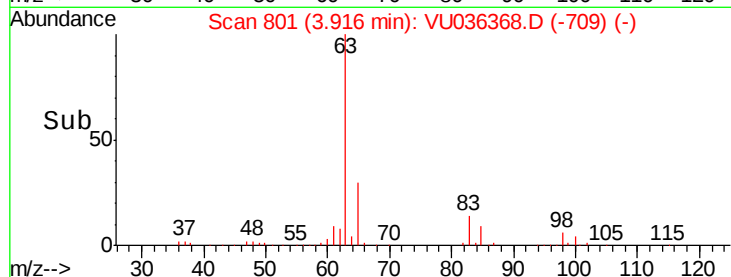
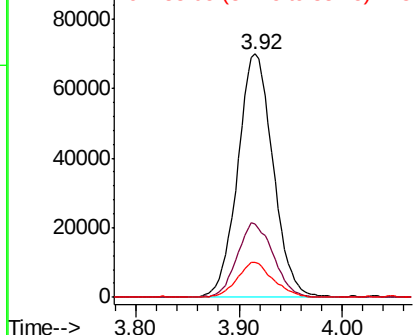
#19
 1,1-Dichloroethane
 Concen: 5.027 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

Tgt Ion: 63 Resp: 166134
 Ion Ratio Lower Upper
 63 100
 65 30.1 21.9 40.7
 83 14.4 10.6 19.8

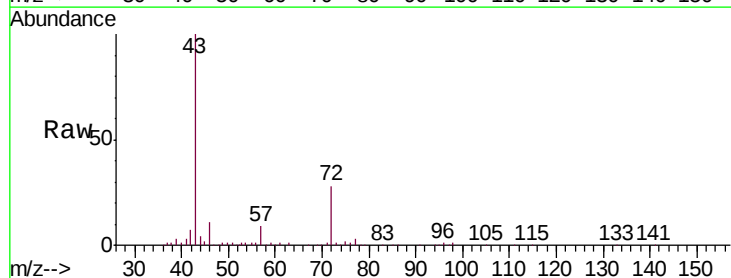


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

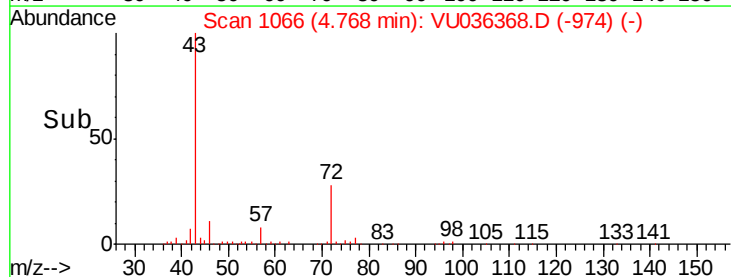
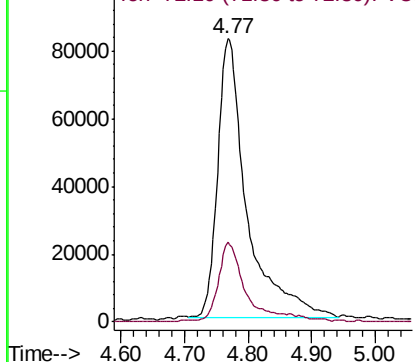


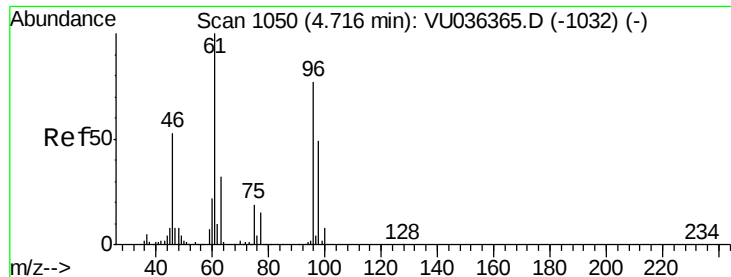
#21
 2-Butanone
 Concen: 50.630 ug/L
 RT: 4.77 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Tgt Ion: 43 Resp: 261917
 Ion Ratio Lower Upper
 43 100
 72 24.5 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.889 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV01

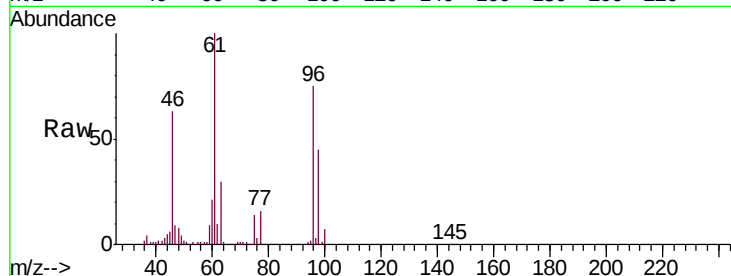
Tgt Ion: 96 Resp: 100160

Ion Ratio Lower Upper

96 100

61 133.4 90.5 168.1

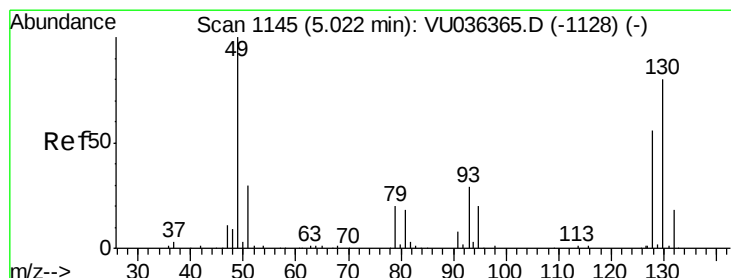
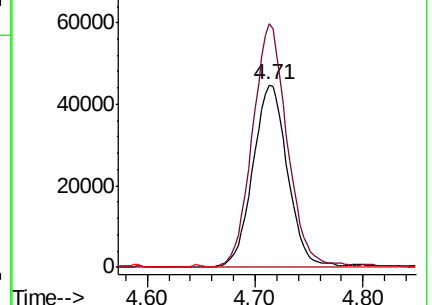
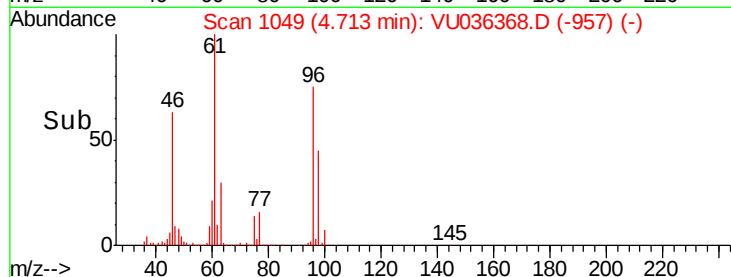
68 0.4 0.3 0.5



Abundance Ion 96.00 (95.70 to 96.70): VU036368.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036368.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036368.D (-957) (-)



#23

Bromochloromethane

Concen: 4.913 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Tgt Ion: 128 Resp: 41929

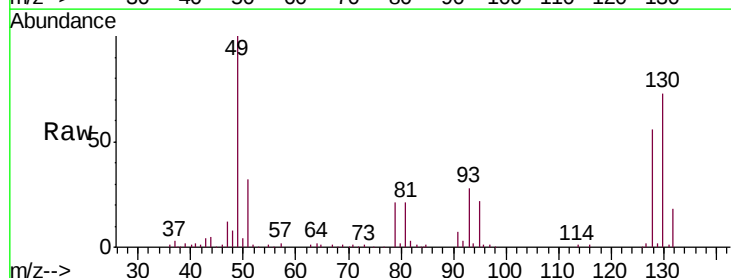
Ion Ratio Lower Upper

128 100

49 179.7 124.2 230.6

130 131.7 99.3 184.3

51 57.5 42.7 64.1

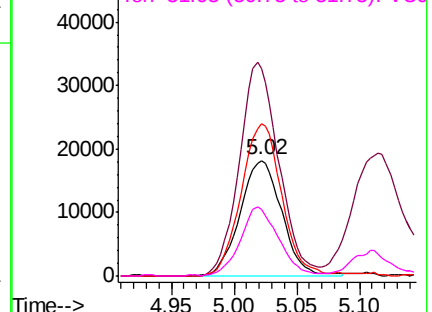
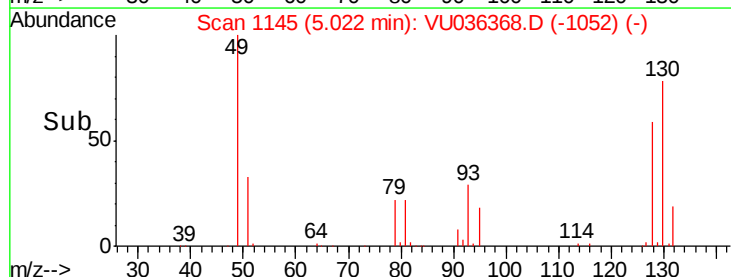


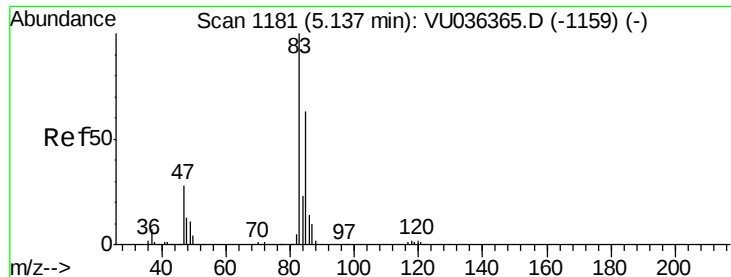
Abundance Ion 127.90 (127.60 to 128.60): VU036368.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036368.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036368.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU036368.D (-1052) (-)

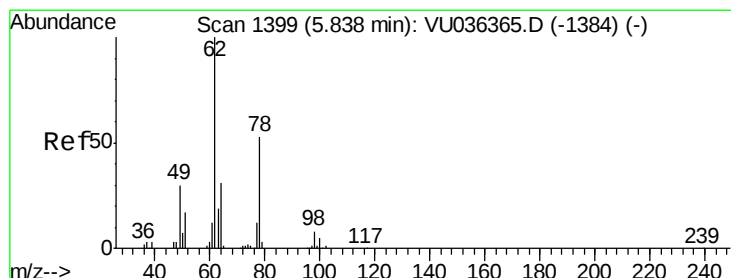
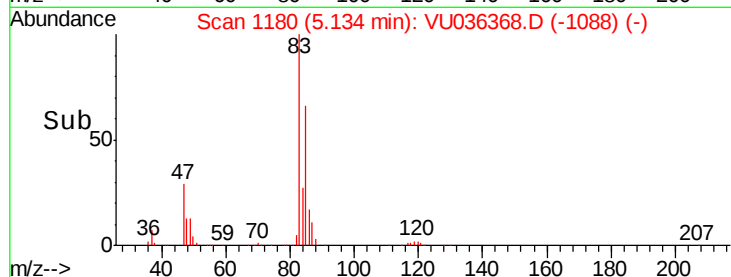
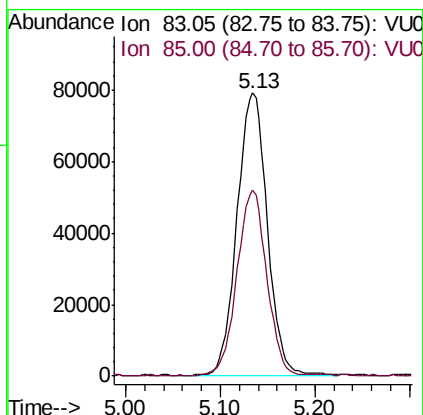
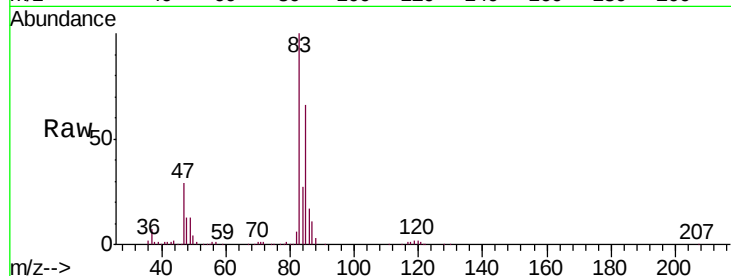




#25
Chloroform
Concen: 5.049 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

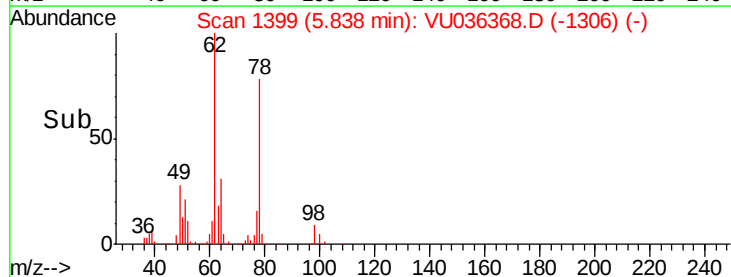
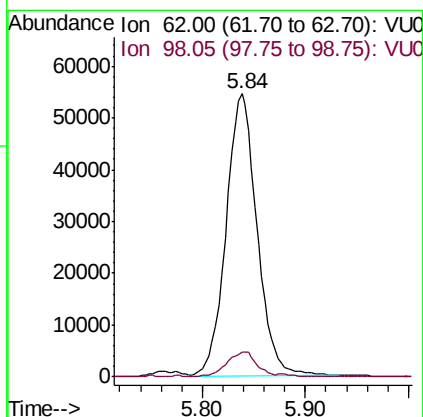
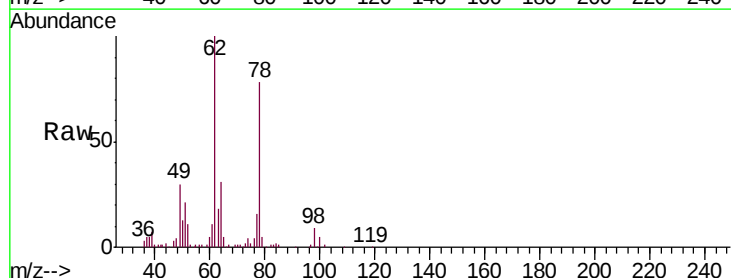
Instrument :
MSVOA_U
ClientSampleId :
VICV01

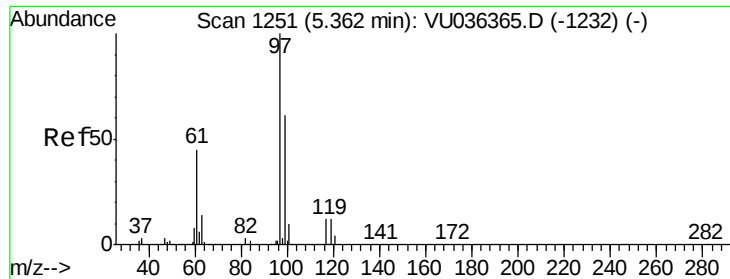
Tgt Ion: 83 Resp: 177166
Ion Ratio Lower Upper
83 100
85 65.9 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.933 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

Tgt Ion: 62 Resp: 113981
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0

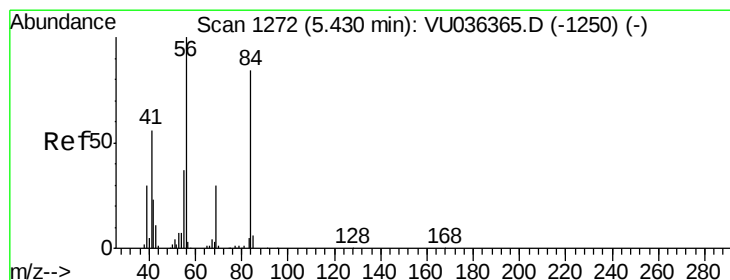
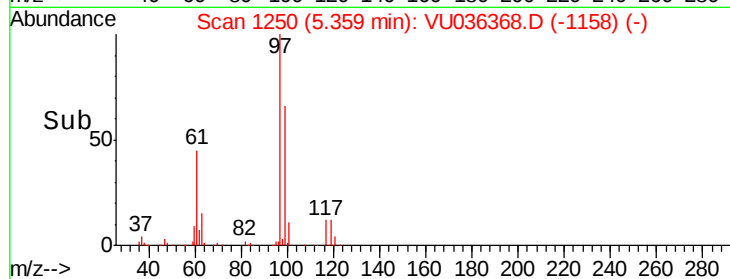
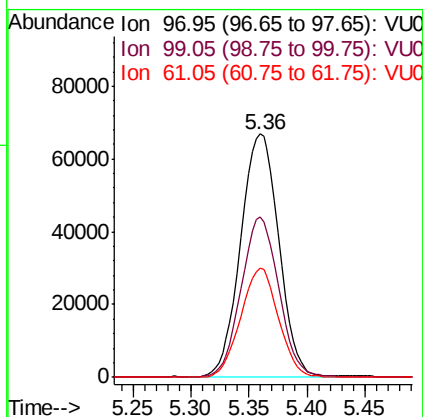
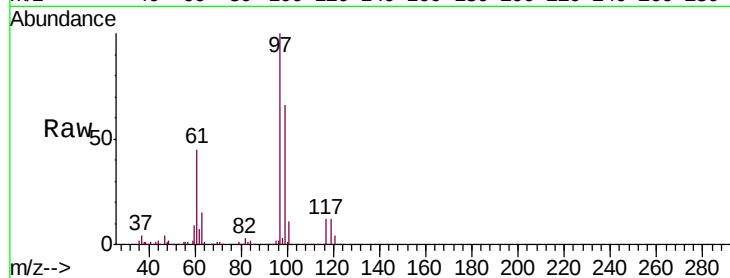




#29
 1,1,1-Trichloroethane
 Concen: 4.840 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

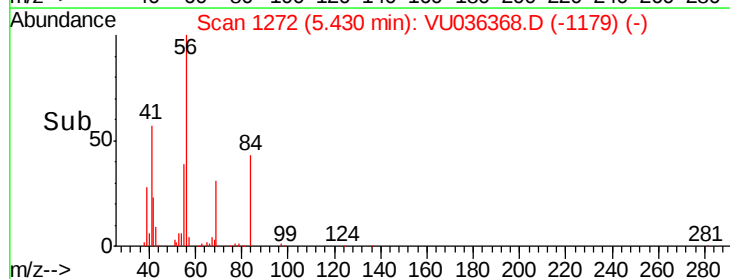
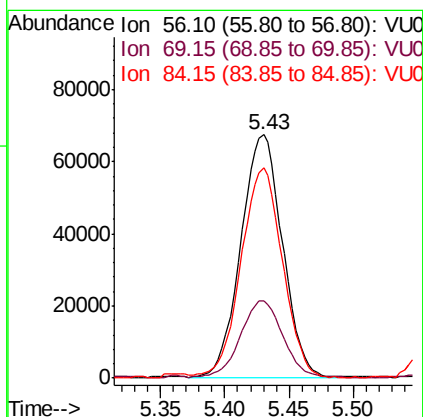
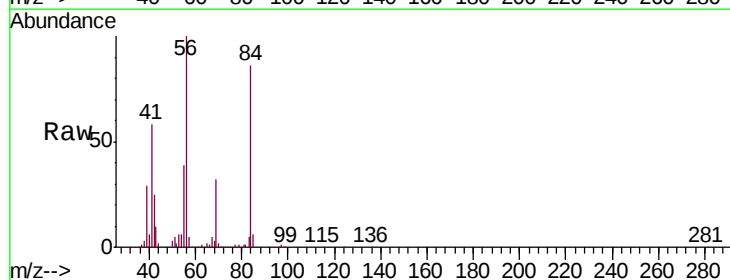
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

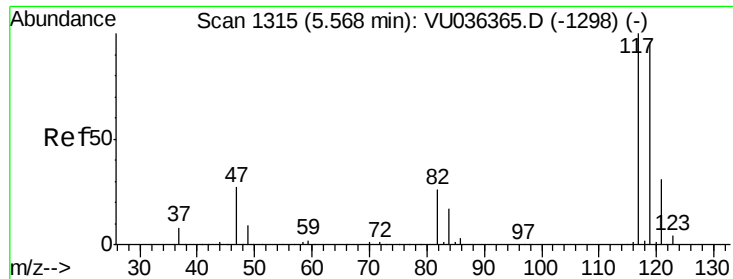
Tgt Ion: 97 Resp: 153437
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.1 75.1
 61 44.5 35.0 52.4



#30
 Cyclohexane
 Concen: 4.755 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Tgt Ion: 56 Resp: 149952
 Ion Ratio Lower Upper
 56 100
 69 33.0 23.6 35.4
 84 87.4 66.0 99.0

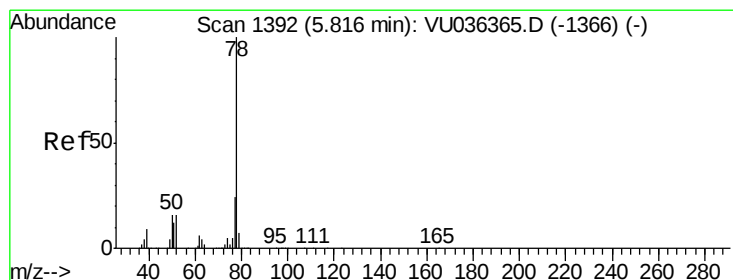
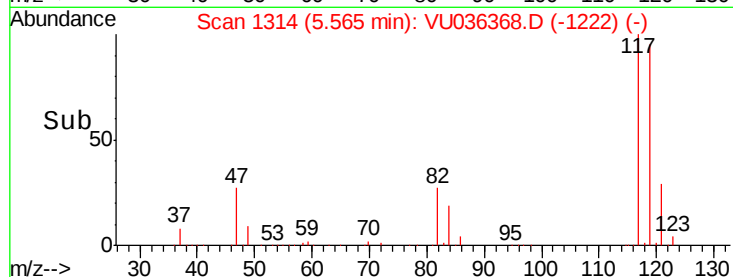
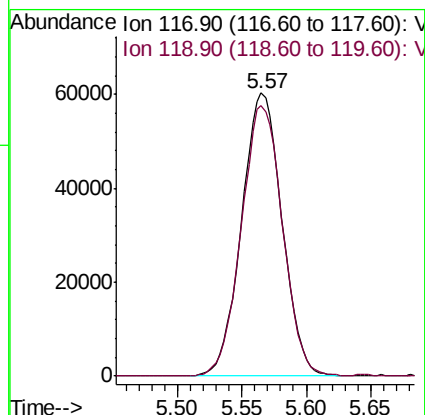
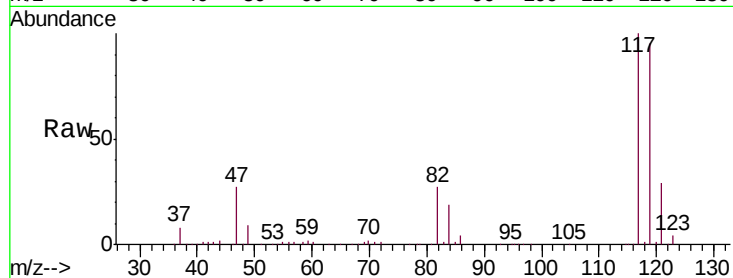




#31
Carbon tetrachloride
Concen: 4.879 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

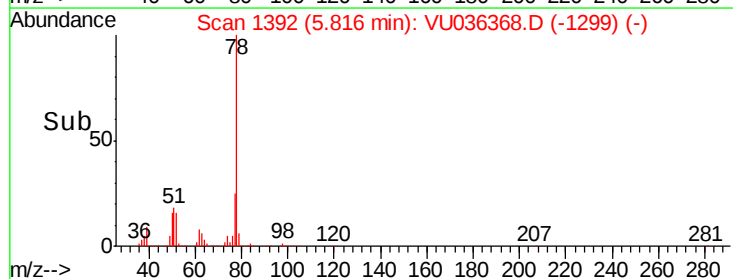
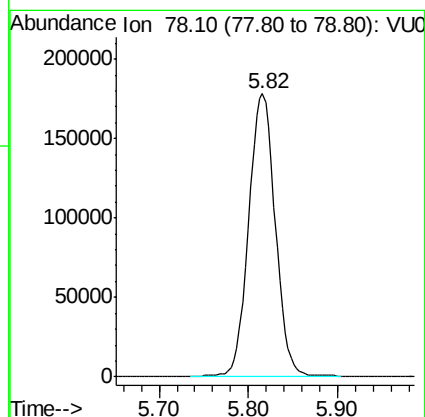
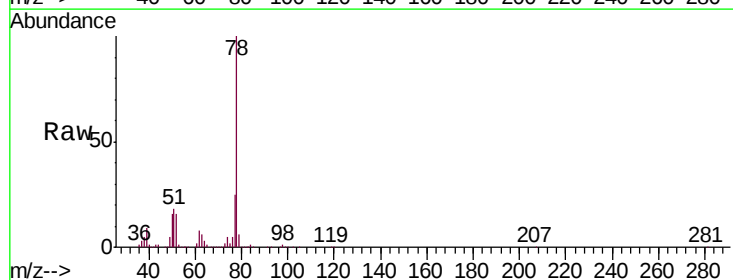
Instrument :
MSVOA_U
ClientSampleId :
VICV01

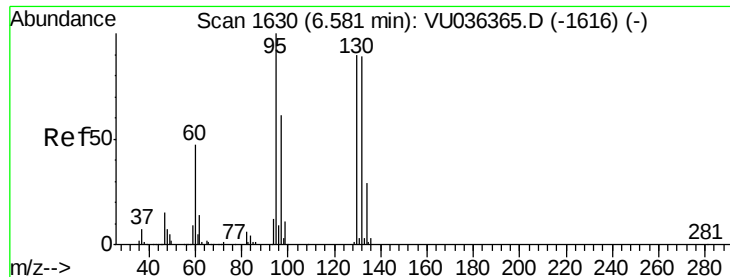
Tgt Ion:117 Resp: 131518
Ion Ratio Lower Upper
117 100
119 97.6 76.8 115.2



#33
Benzene
Concen: 4.903 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

Tgt Ion: 78 Resp: 370279





#34

Trichloroethene

Concen: 5.094 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV01

Tgt Ion: 95 Resp: 103623

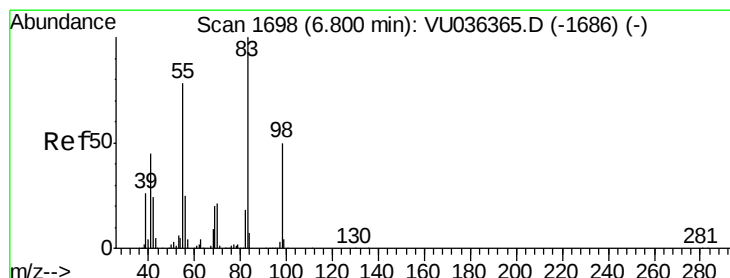
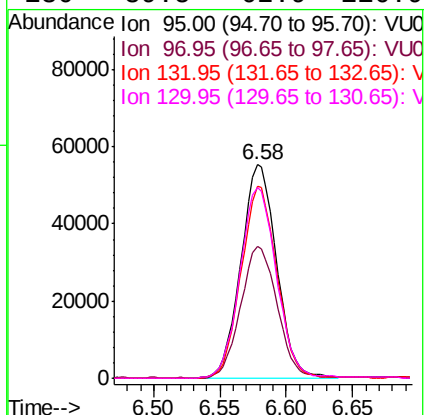
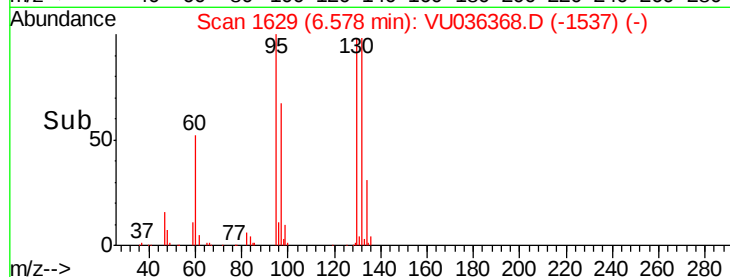
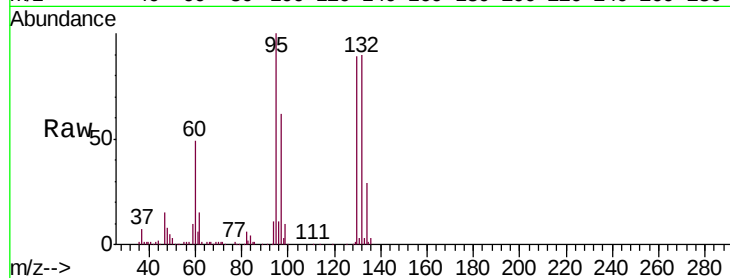
Ion Ratio Lower Upper

95 100

97 62.0 42.9 79.7

132 89.7 62.4 116.0

130 89.5 62.9 116.9



#35

Methylcyclohexane

Concen: 5.014 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

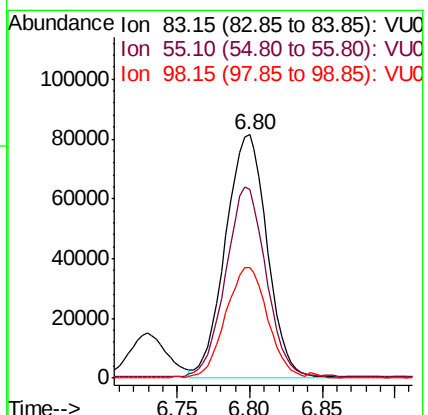
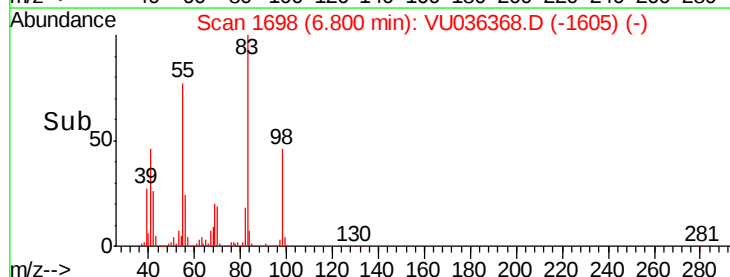
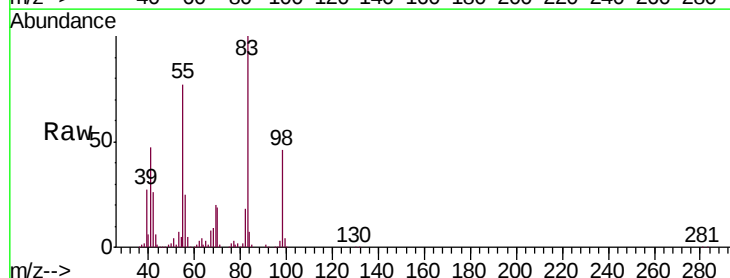
Tgt Ion: 83 Resp: 161635

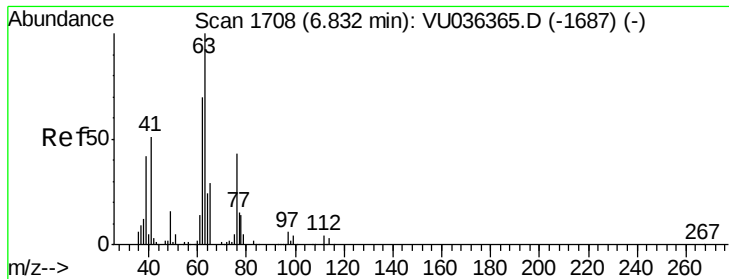
Ion Ratio Lower Upper

83 100

55 75.3 61.5 92.3

98 46.1 36.9 55.3

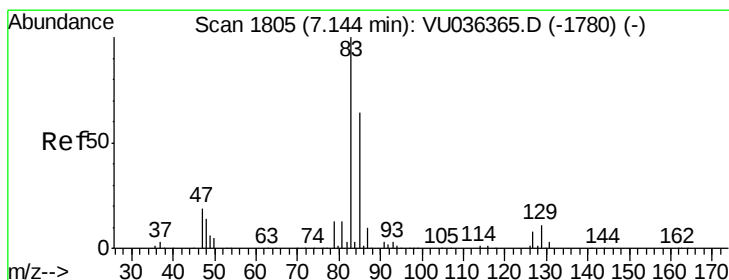
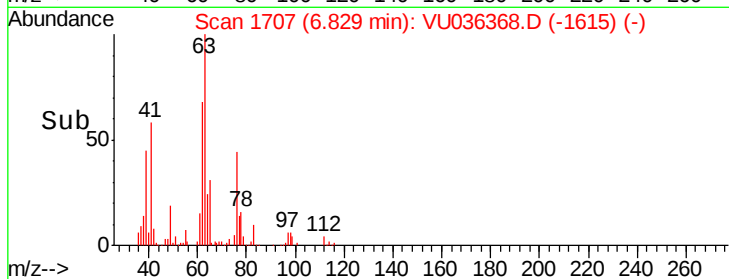
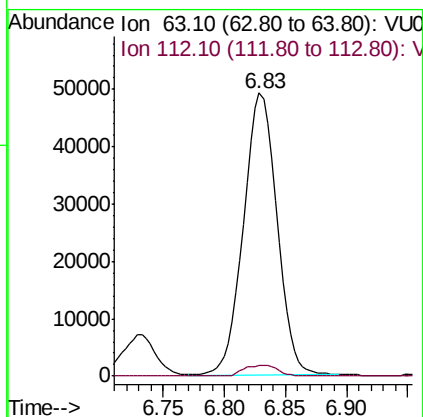
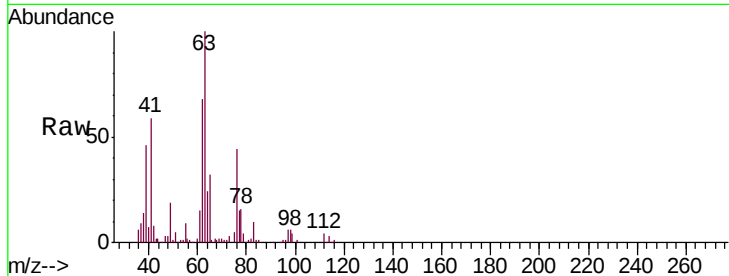




#37
 1,2-Dichloropropane
 Concen: 4.806 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

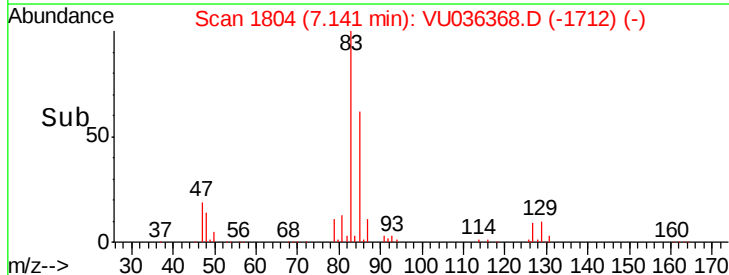
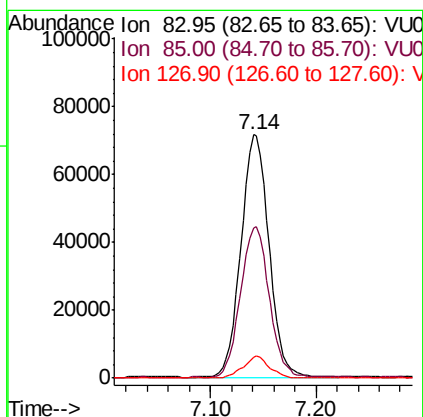
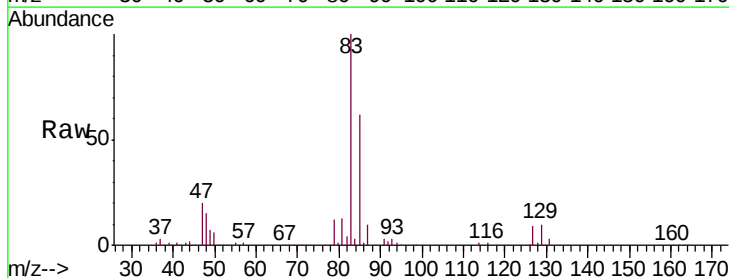
Instrument :
 MSVOA_U
 ClientSampled :
 VICV01

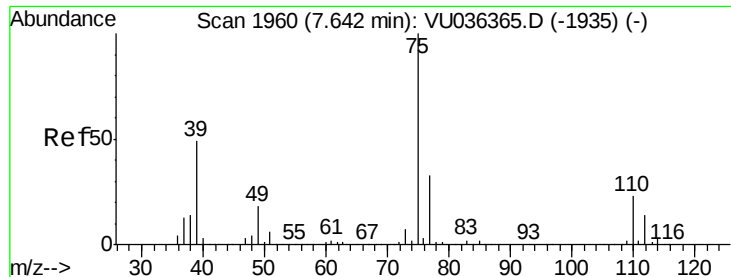
Tgt Ion: 63 Resp: 93625
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.937 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Tgt Ion: 83 Resp: 132742
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.0 83.6
 127 8.6 6.3 9.5

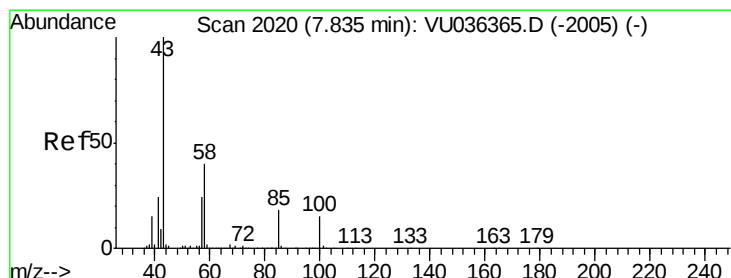
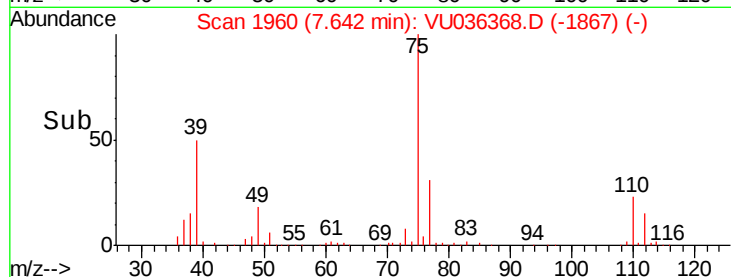
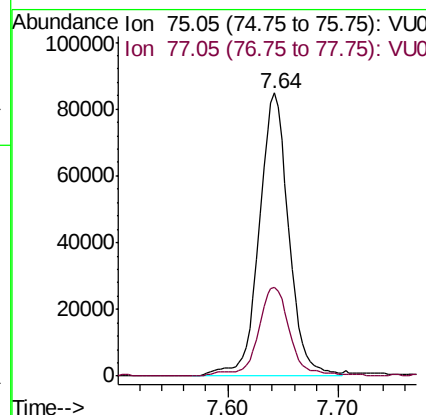
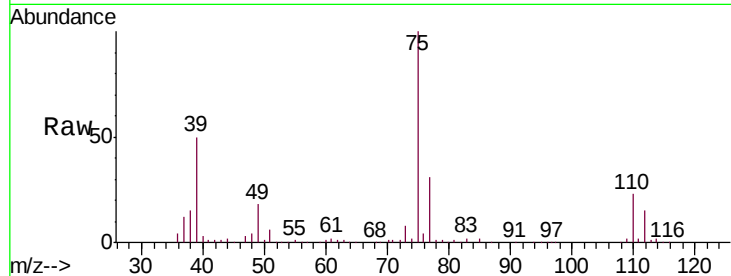




#39
 cis-1,3-Dichloropropene
 Concen: 4.954 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

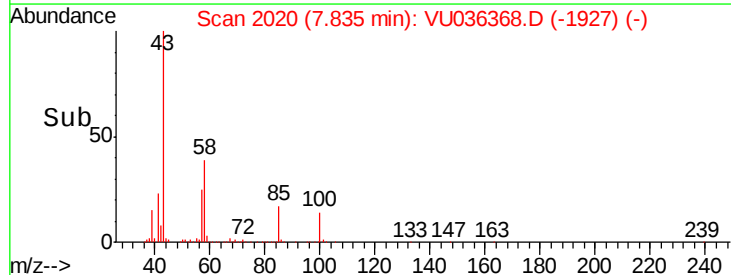
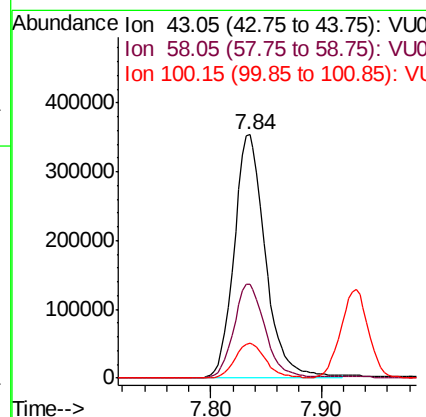
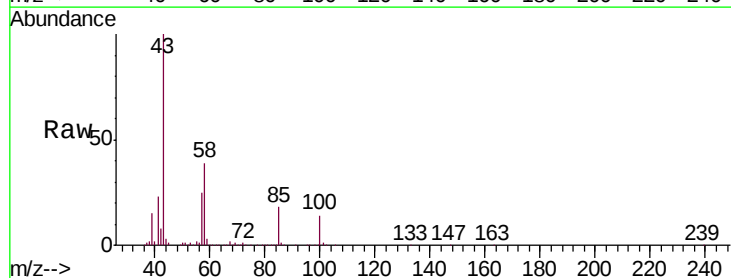
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

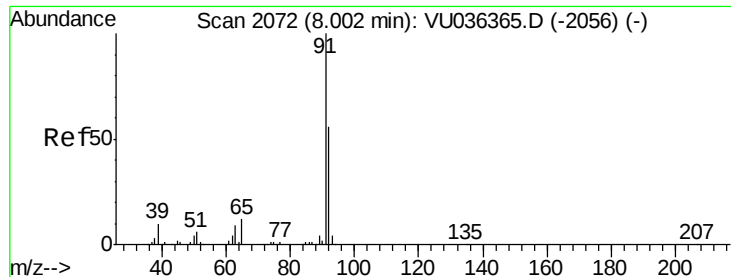
Tgt Ion: 75 Resp: 158247
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 50.303 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Tgt Ion: 43 Resp: 690317
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.8 47.6
 100 14.3 11.5 17.3





#42

Toluene

Concen: 4.830 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampled :

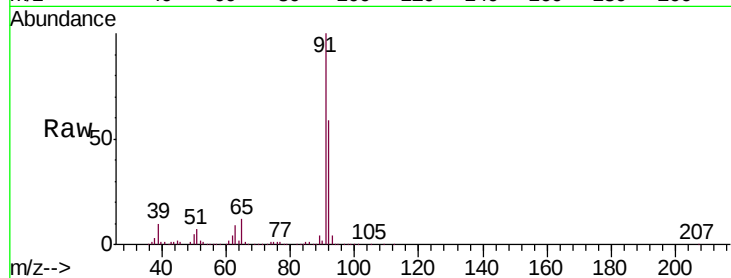
VICV01

Tgt Ion: 91 Resp: 403593

Ion Ratio Lower Upper

91 100

92 58.6 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU036365.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036368.D (-1979) (-)

8.00

250000

200000

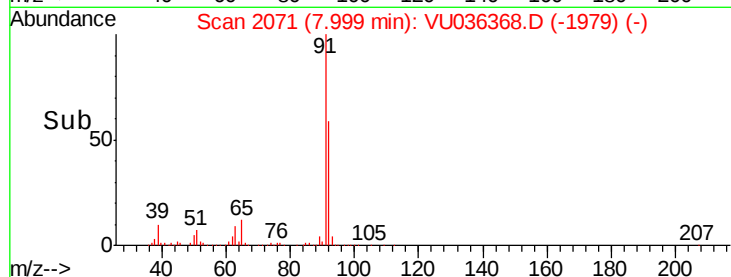
150000

100000

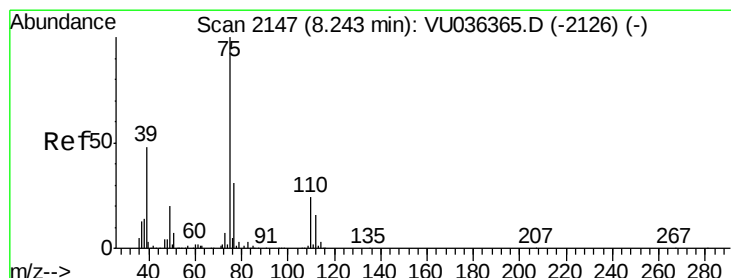
50000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.956 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036368.D

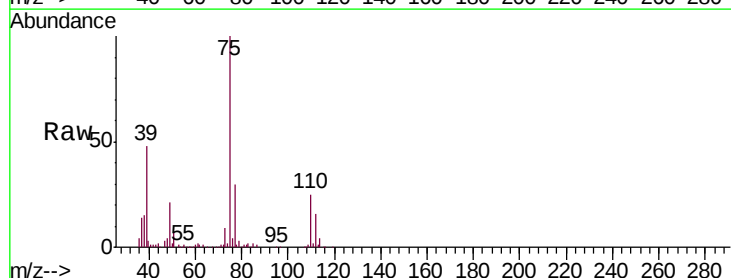
Acq: 28 Dec 2019 14:41

Tgt Ion: 75 Resp: 130049

Ion Ratio Lower Upper

75 100

77 29.9 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VU036365.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU036368.D (-2054) (-)

8.24

80000

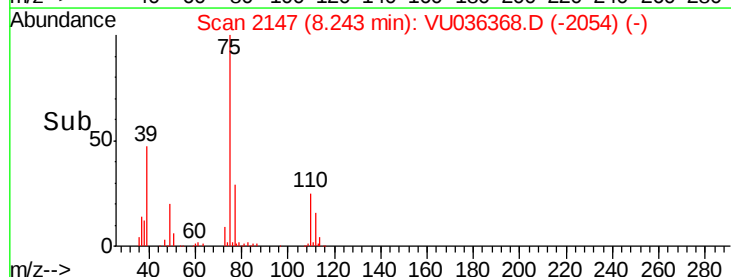
60000

40000

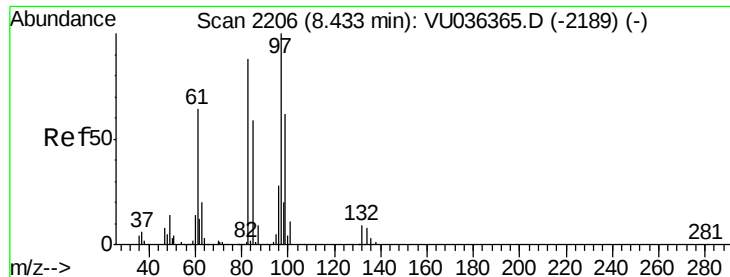
20000

0

Time-->



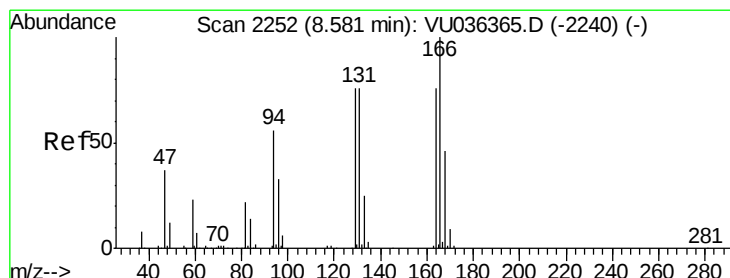
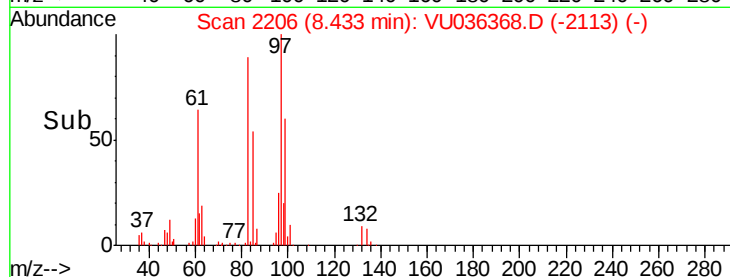
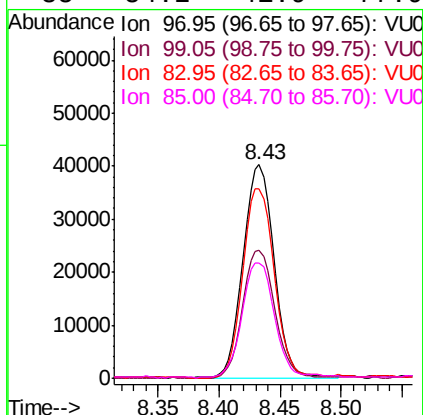
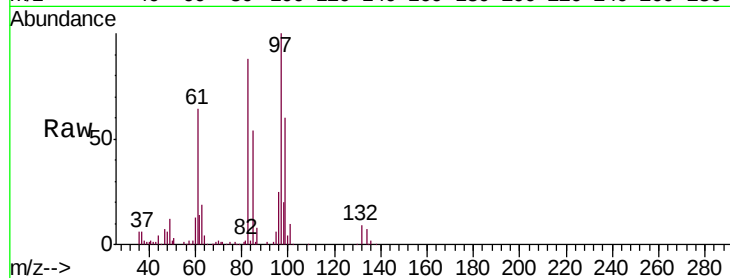
Time-->



#45
 1,1,2-Trichloroethane
 Concen: 4.967 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

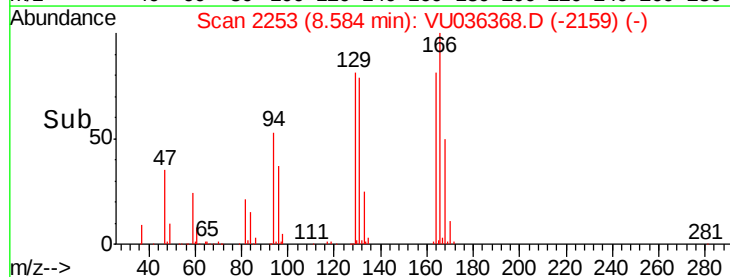
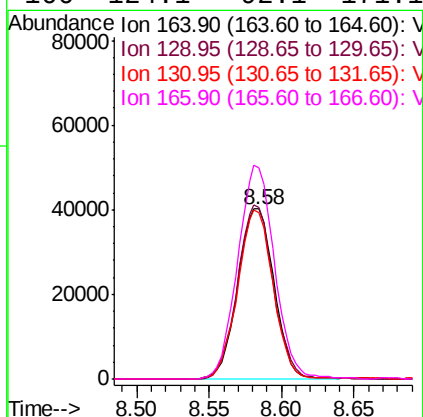
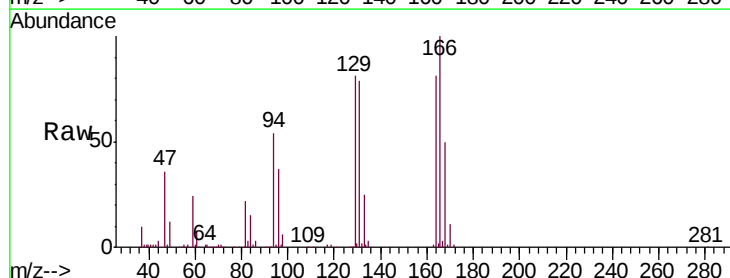
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

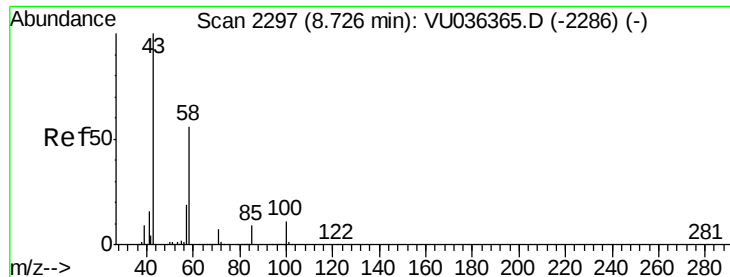
Tgt Ion:	97	Resp:	70376
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.3	80.5
83	88.4	62.2	115.6
85	54.2	41.9	77.9



#47
 Tetrachloroethene
 Concen: 4.905 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Tgt Ion:	164	Resp:	70214
Ion	Ratio	Lower	Upper
164	100		
129	100.5	70.3	130.5
131	97.9	70.4	130.8
166	124.1	92.1	171.1

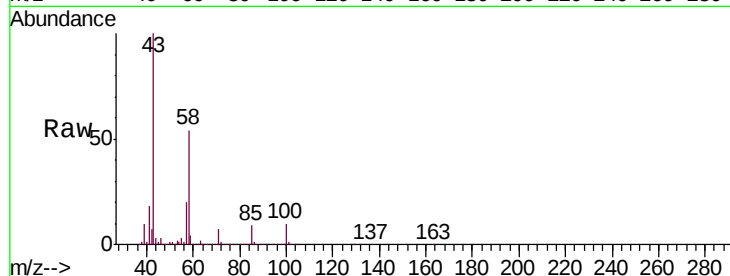




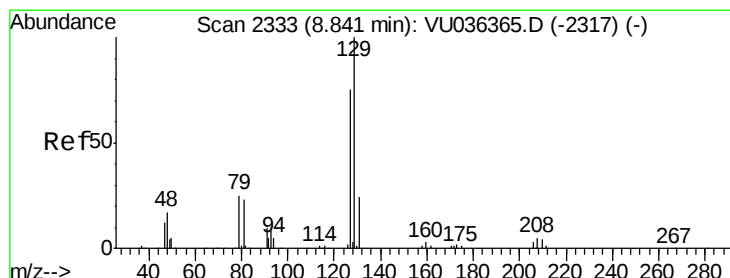
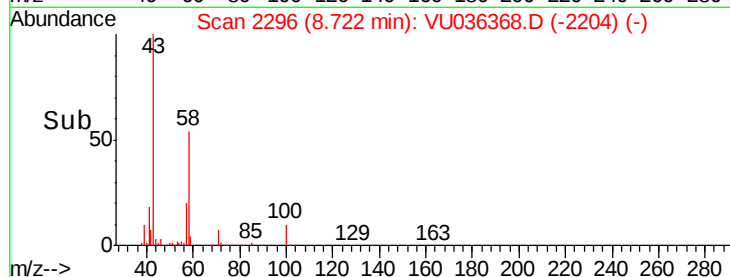
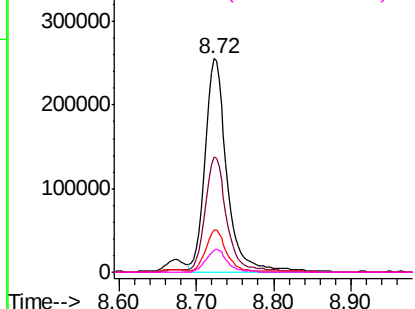
#48
2-Hexanone
Concen: 51.728 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tgt Ion:	43	Resp:	502456
Ion	Ratio	Lower	Upper
43	100		
58	54.5	42.7	64.1
57	18.1	14.6	22.0
100	10.6	9.0	13.6

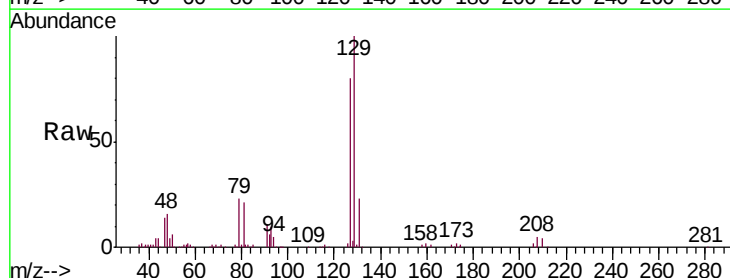


Abundance Ion 43.05 (42.75 to 43.75): VU036365.D (-2286) (-)
Ion 58.05 (57.75 to 58.75): VU036365.D (-2286) (-)
Ion 57.20 (56.90 to 57.90): VU036365.D (-2286) (-)
Ion 100.15 (99.85 to 100.85): VU036365.D (-2286) (-)

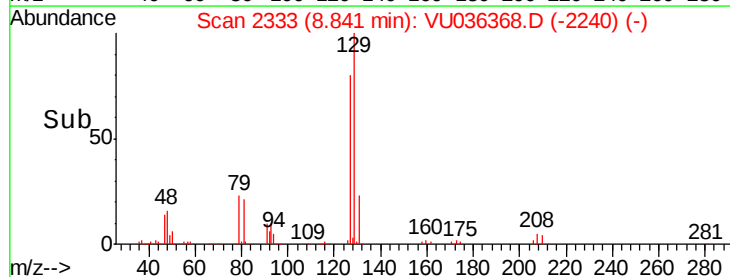
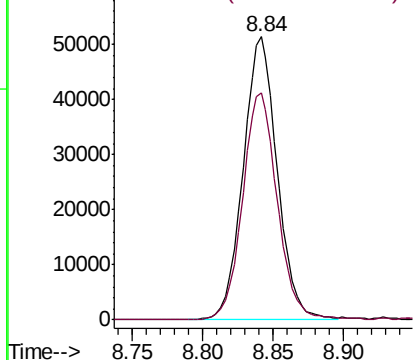


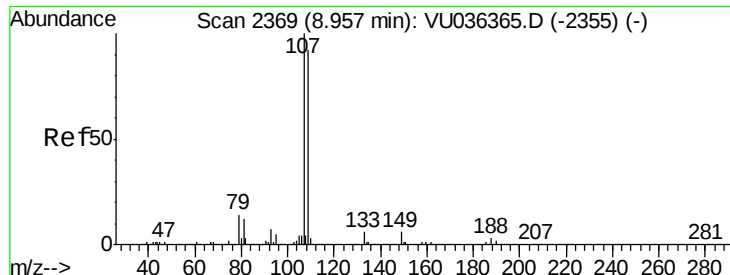
#49
Dibromochloromethane
Concen: 4.641 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

Tgt Ion:	129	Resp:	87008
Ion	Ratio	Lower	Upper
129	100		
127	80.0	52.7	97.9



Abundance Ion 128.95 (128.65 to 129.65): VU036365.D (-2317) (-)
Ion 126.90 (126.60 to 127.60): VU036365.D (-2317) (-)

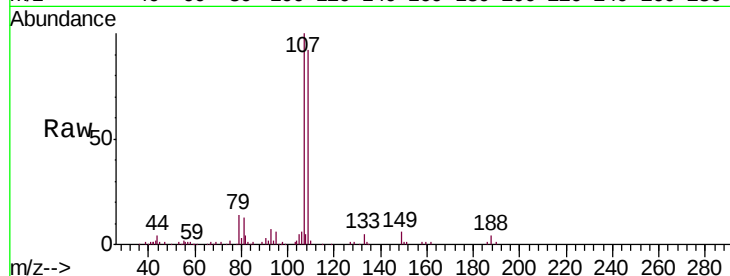




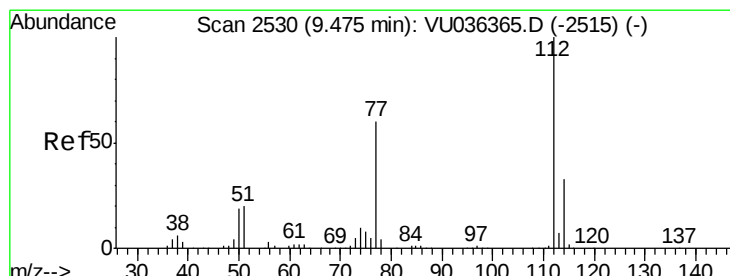
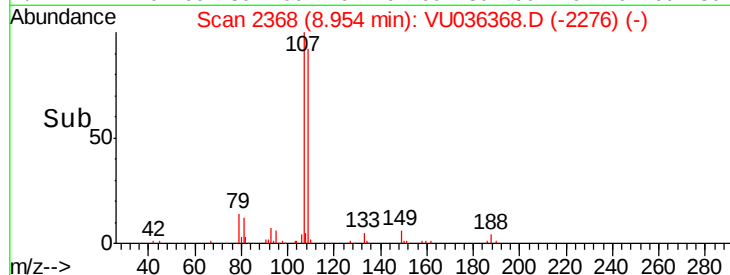
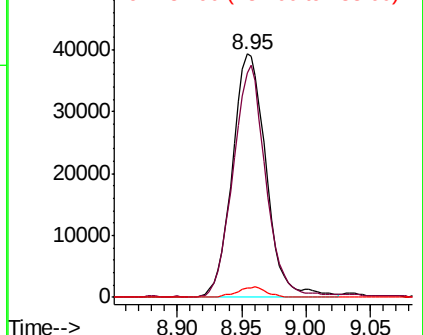
#50
1,2-Dibromoethane
Concen: 4.993 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VICV01

Tgt Ion:107 Resp: 71706
Ion Ratio Lower Upper
107 100
109 92.1 64.3 119.5
188 3.7 2.2 3.2#

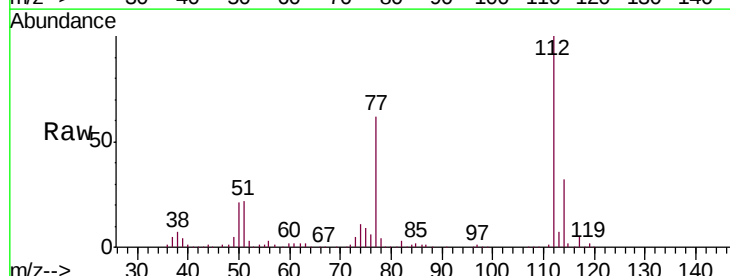


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

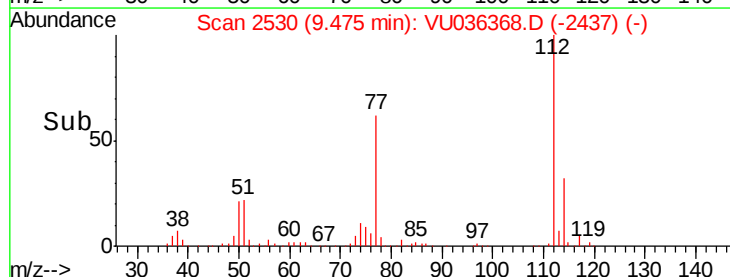
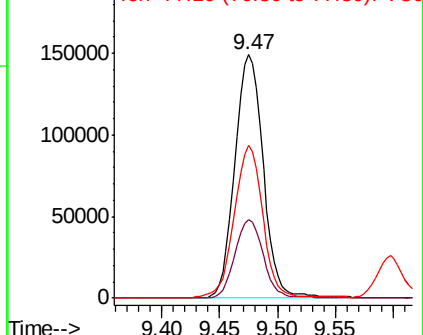


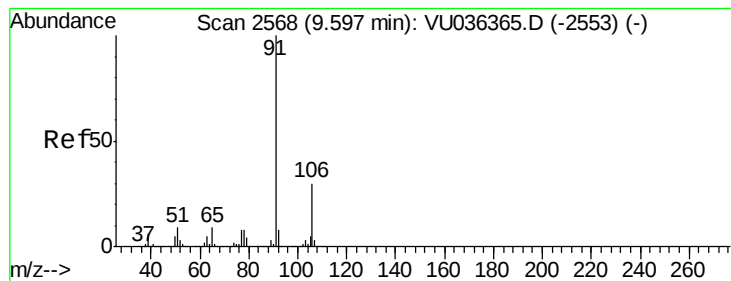
#51
Chlorobenzene
Concen: 4.861 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

Tgt Ion:112 Resp: 253277
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.3
77 62.5 47.8 71.8



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





#52

Ethylbenzene

Concen: 4.956 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

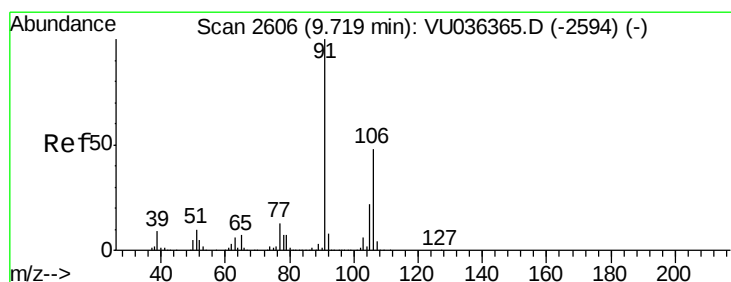
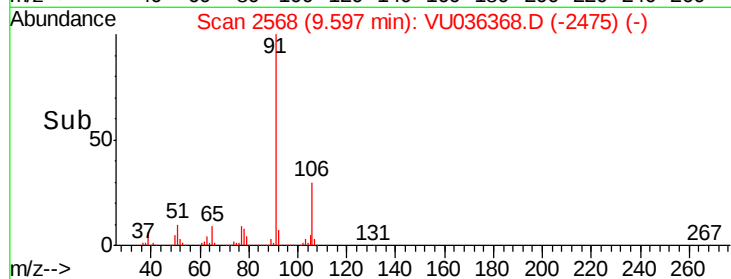
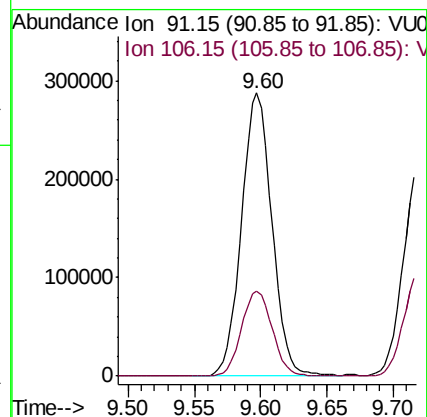
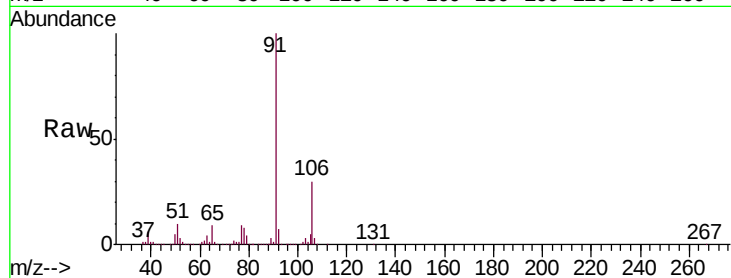
VICV01

Tgt Ion: 91 Resp: 458999

Ion Ratio Lower Upper

91 100

106 30.2 21.2 39.4



#53

m,p-Xylene

Concen: 4.975 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036368.D

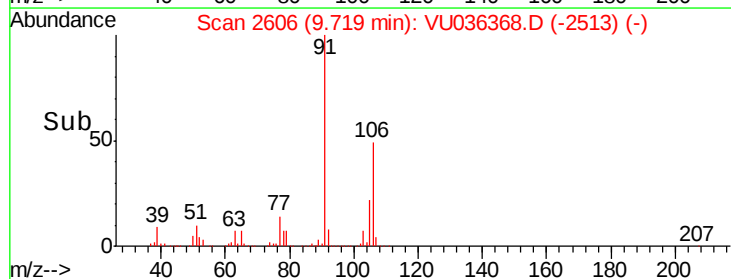
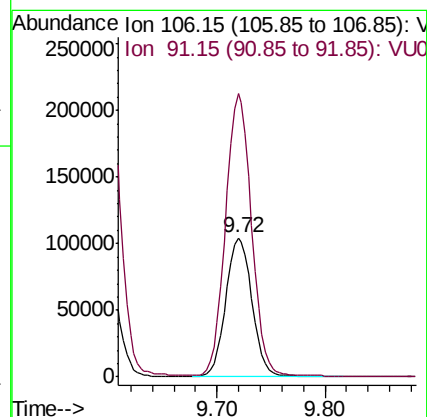
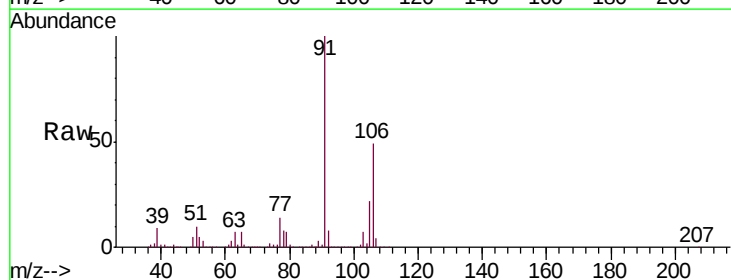
Acq: 28 Dec 2019 14:41

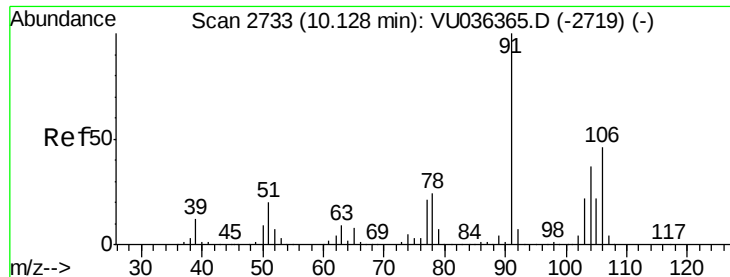
Tgt Ion: 106 Resp: 177072

Ion Ratio Lower Upper

106 100

91 203.9 146.5 272.1

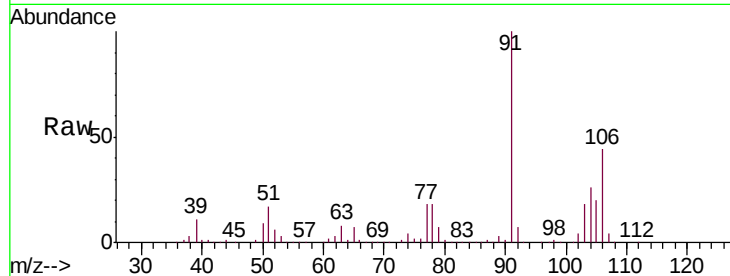




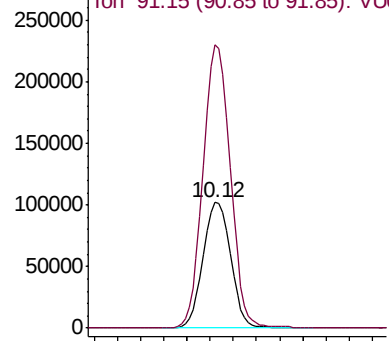
#54
o-Xylene
Concen: 4.878 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VICV01

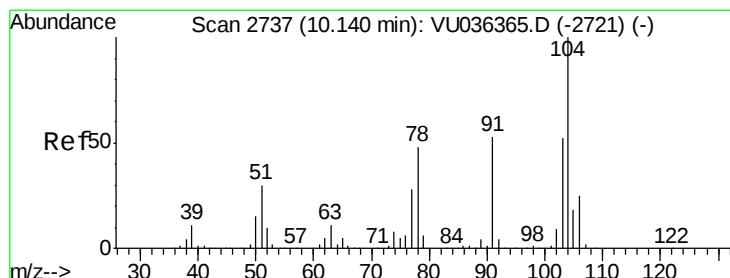
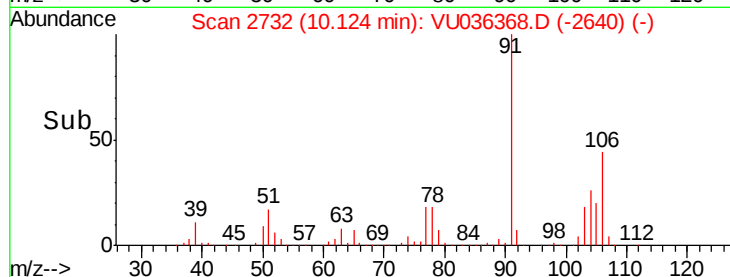
Tgt Ion:106 Resp: 168617
Ion Ratio Lower Upper
106 100
91 225.6 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

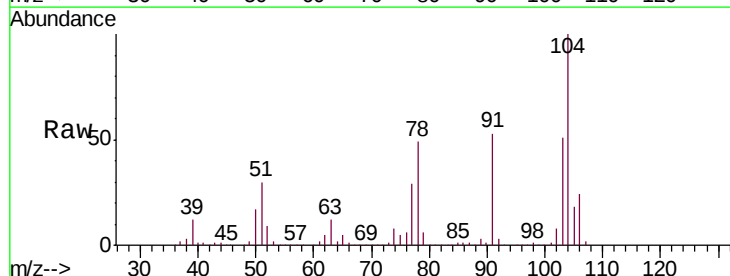


Time-->

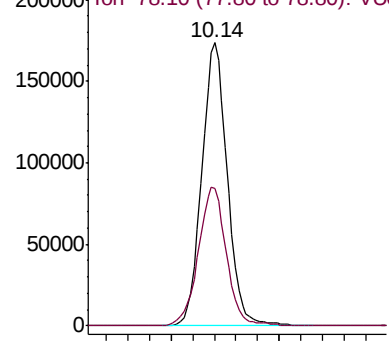


#55
Styrene
Concen: 4.876 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036368.D
Acq: 28 Dec 2019 14:41

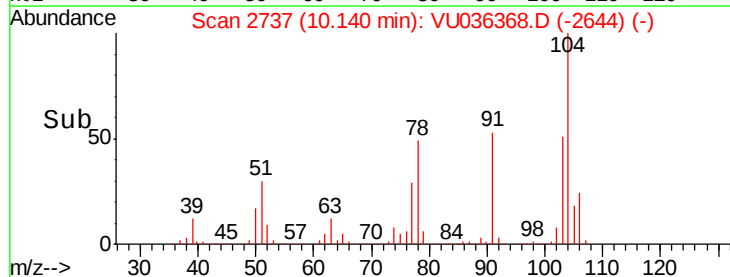
Tgt Ion:104 Resp: 286439
Ion Ratio Lower Upper
104 100
78 48.6 33.5 62.1

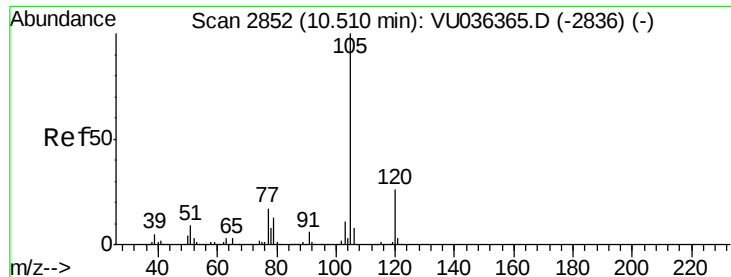


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 4.863 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV01

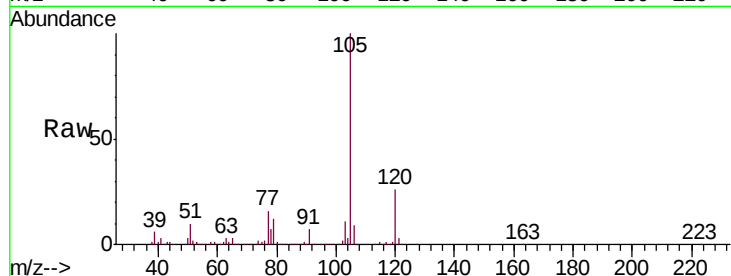
Tgt Ion: 105 Resp: 446300

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

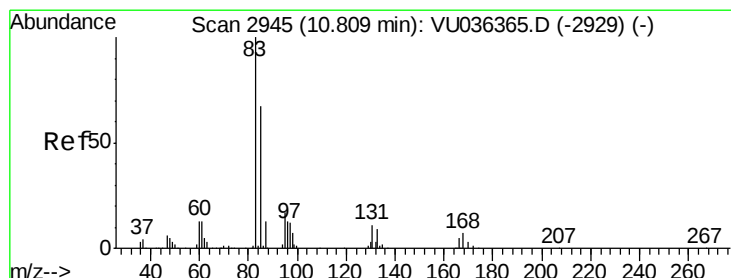
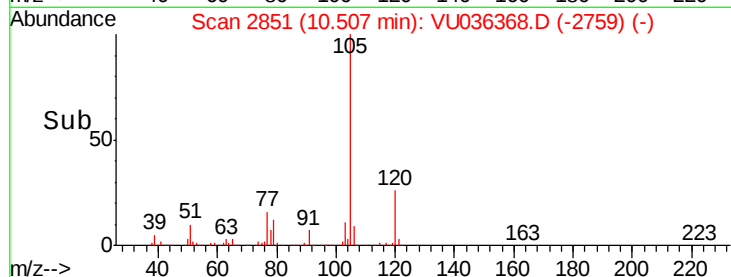
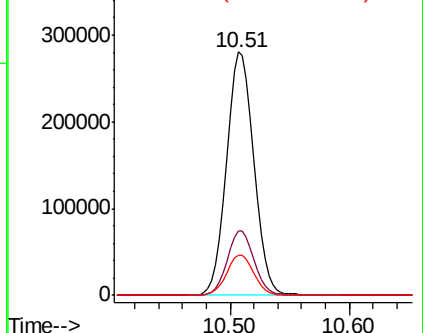
77 16.6 13.2 19.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.834 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

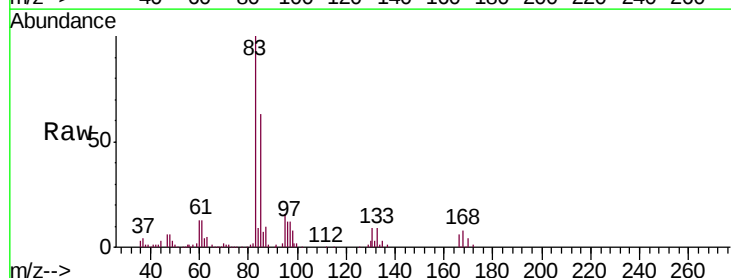
Tgt Ion: 83 Resp: 92332

Ion Ratio Lower Upper

83 100

85 63.3 47.5 88.1

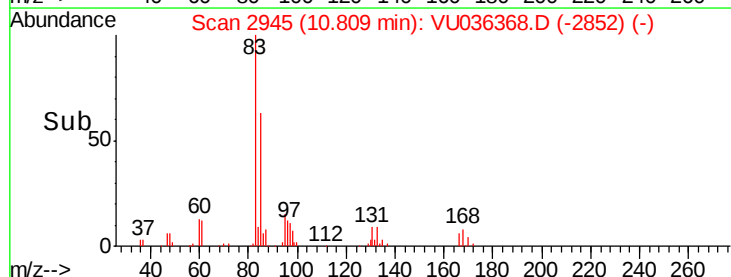
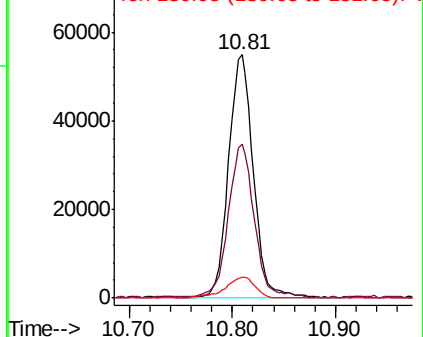
131 8.8 8.8 13.2#

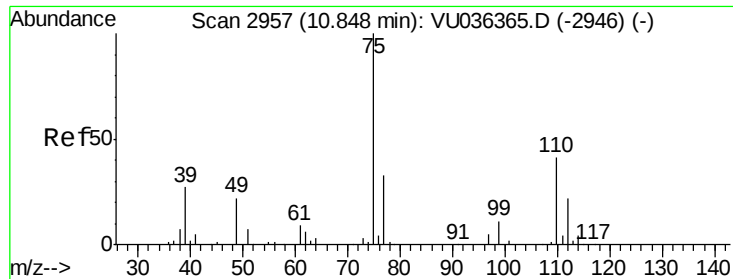


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.007 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

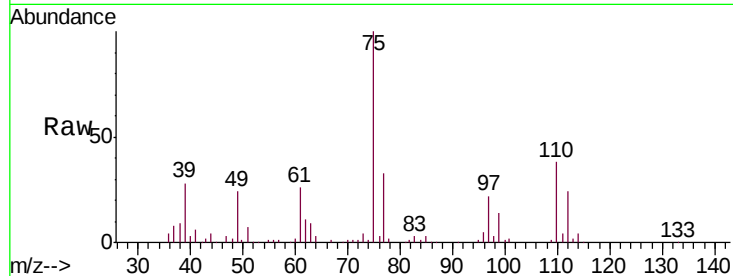
VICV01

Tgt Ion: 75 Resp: 67287

Ion Ratio Lower Upper

75 100

77 32.4 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036365.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU036365.D (-2946) (-)

10.85

40000

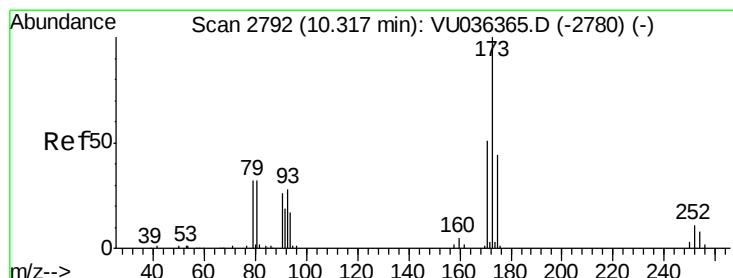
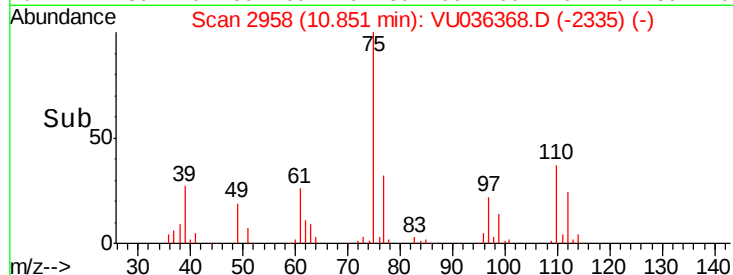
30000

20000

10000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 4.815 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

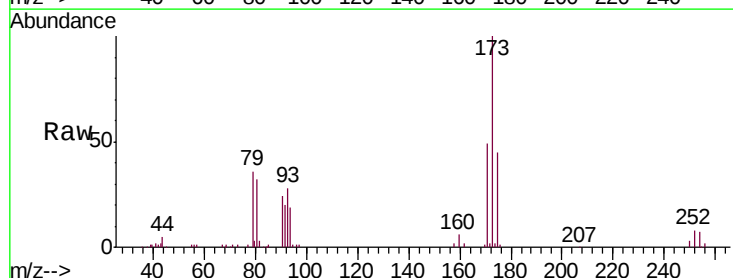
Tgt Ion: 173 Resp: 52500

Ion Ratio Lower Upper

173 100

175 47.2 37.0 55.4

254 8.5 7.0 10.6



Abundance Ion 172.90 (172.60 to 173.60): VU036365.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU036365.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU036365.D (-2780) (-)

10.32

40000

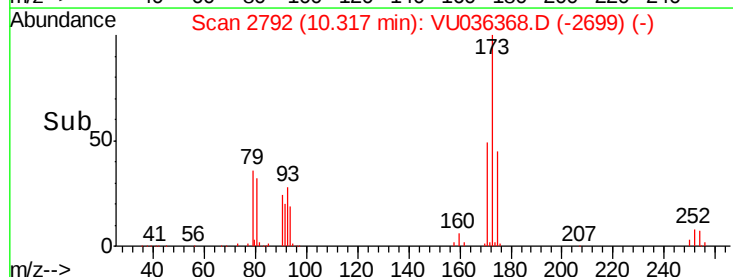
30000

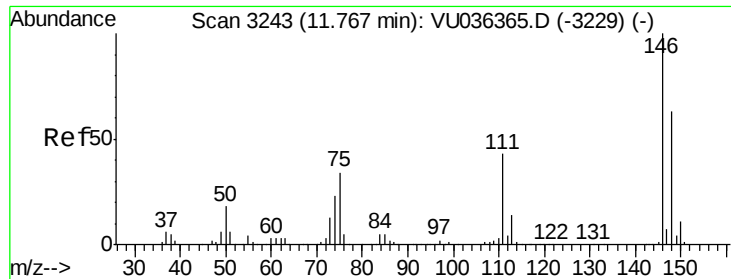
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

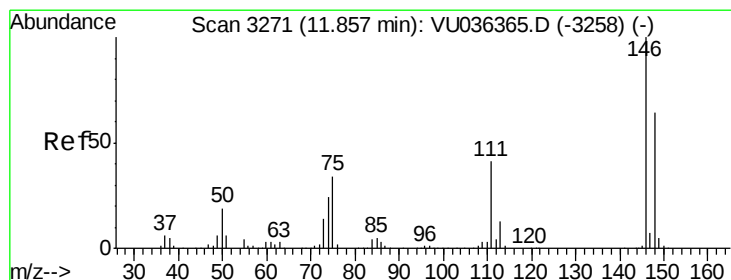
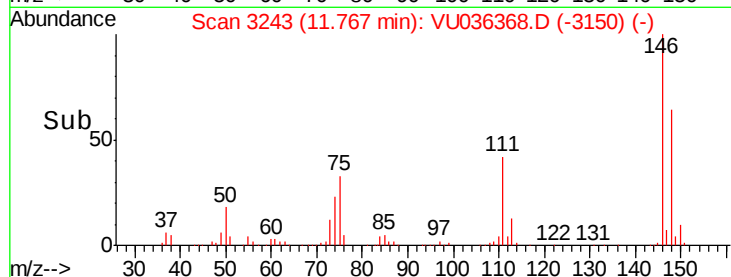
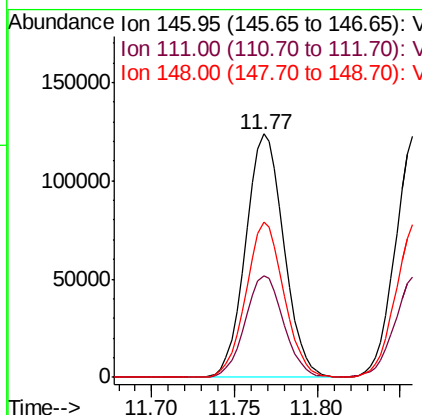
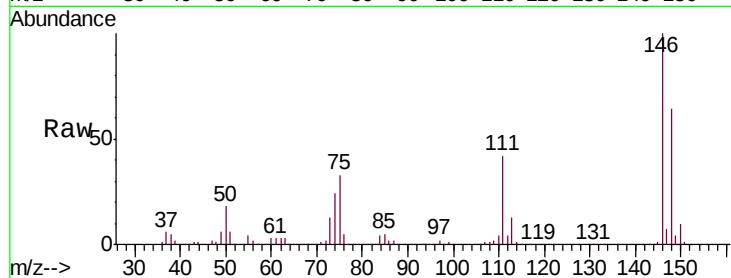




#62
 1,3-Dichlorobenzene
 Concen: 4.871 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

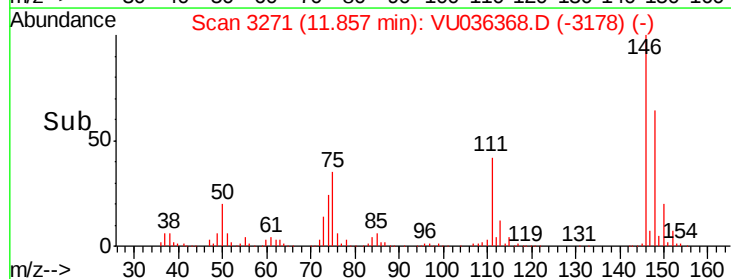
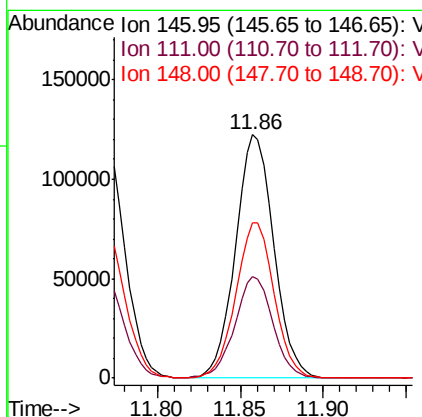
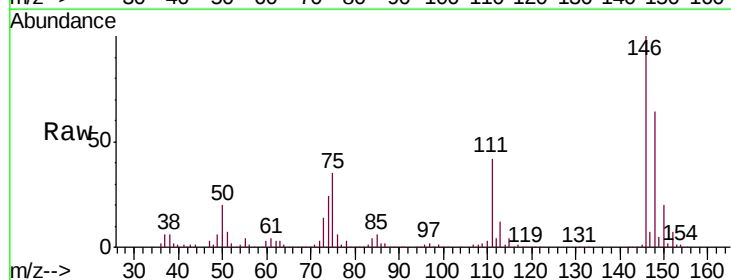
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

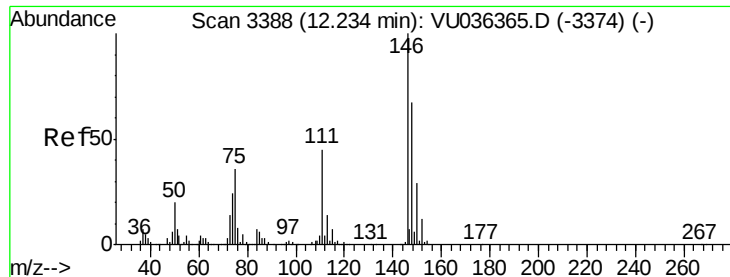
Tgt Ion:146 Resp: 199078
 Ion Ratio Lower Upper
 146 100
 111 41.9 30.2 56.0
 148 63.8 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Tgt Ion:146 Resp: 196585
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.6 53.0
 148 63.7 45.0 83.6

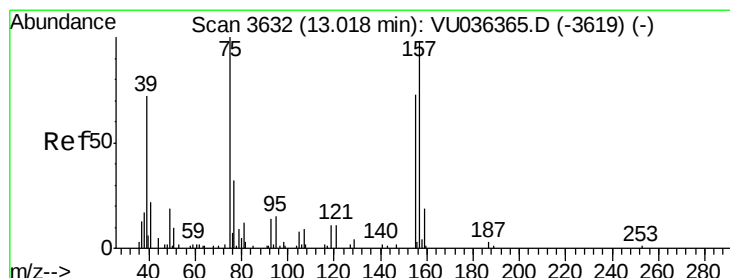
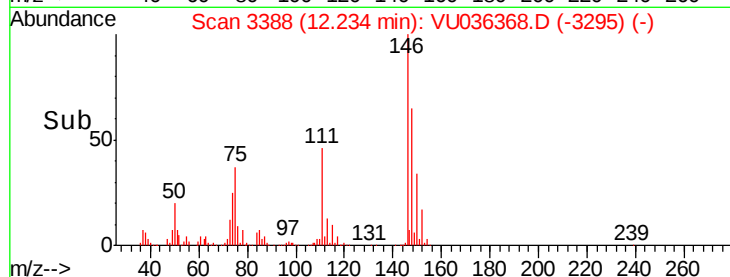
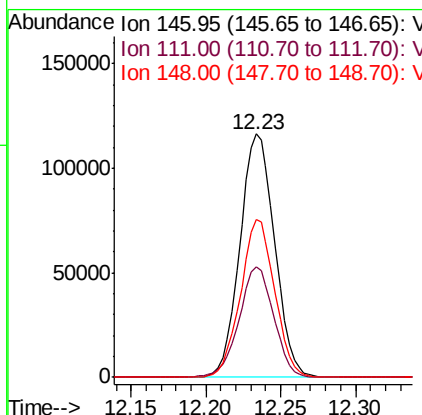
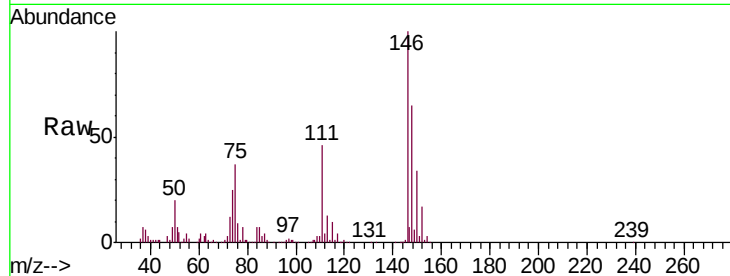




#65
 1,2-Dichlorobenzene
 Concen: 4.875 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

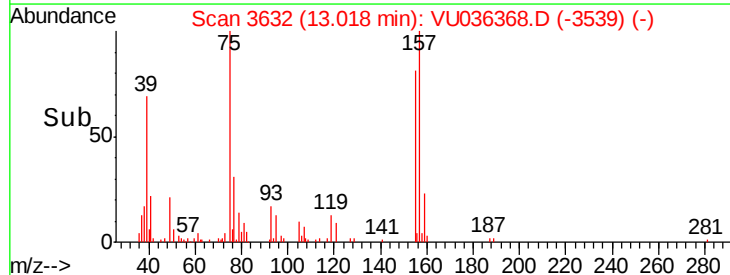
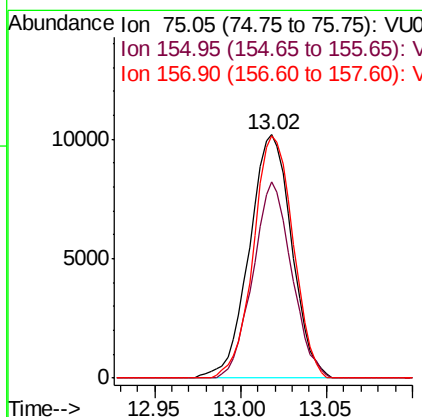
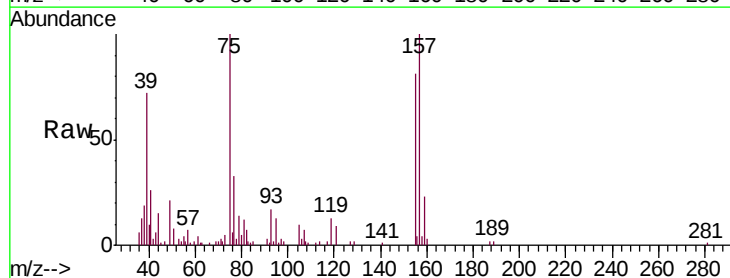
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV01

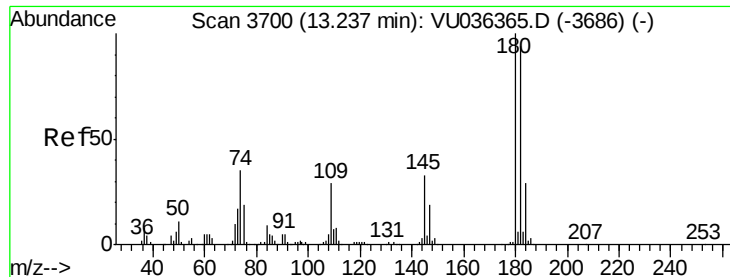
Tgt Ion: 146 Resp: 187671
 Ion Ratio Lower Upper
 146 100
 111 45.7 36.4 54.6
 148 65.0 53.4 80.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.923 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Tgt Ion: 75 Resp: 17420
 Ion Ratio Lower Upper
 75 100
 155 80.6 58.6 88.0
 157 99.5 78.7 118.1

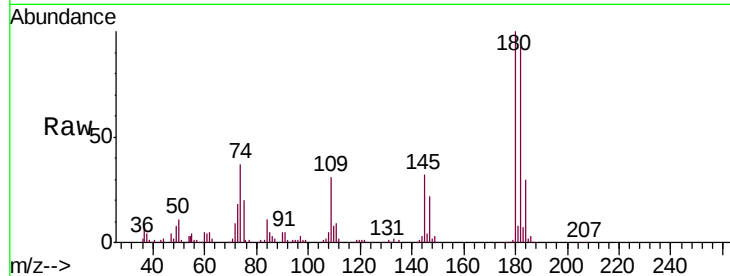




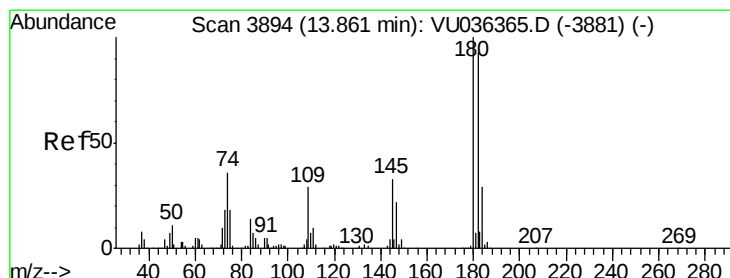
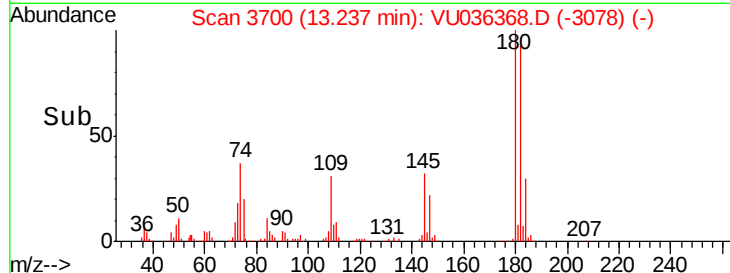
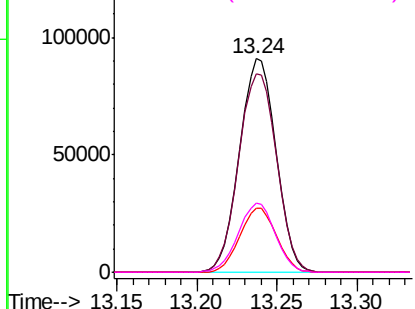
#67
 1,3,5-Trichlorobenzene
 Concen: 4.886 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Instrument :
 MSVOA_U
 ClientSampled :
 VICV01

Tgt Ion:	180	Resp:	141908
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.2	112.8
184	30.2	23.3	34.9
145	32.7	25.6	38.4

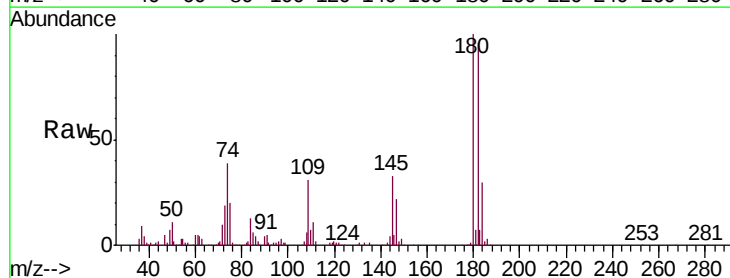


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

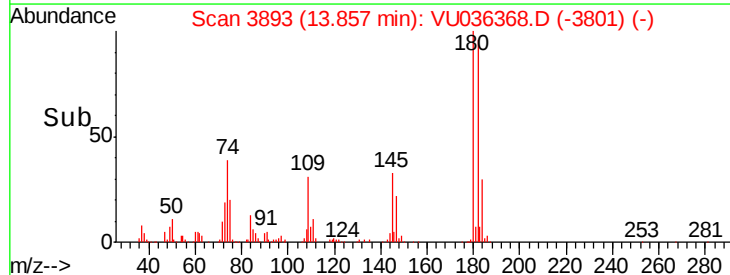
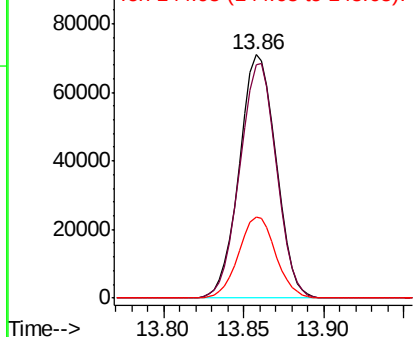


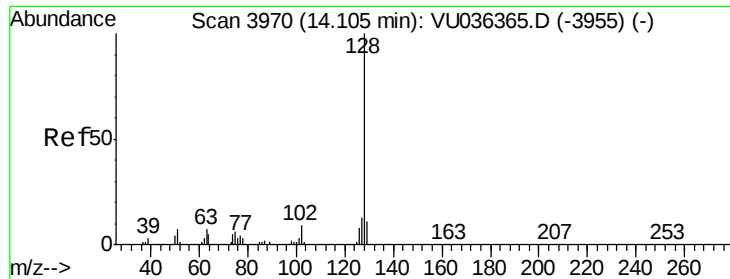
#68
 1,2,4-trichlorobenzene
 Concen: 5.197 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036368.D
 Acq: 28 Dec 2019 14:41

Tgt Ion:	180	Resp:	110842
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.5	113.3
145	33.7	26.2	39.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.604 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VICV01

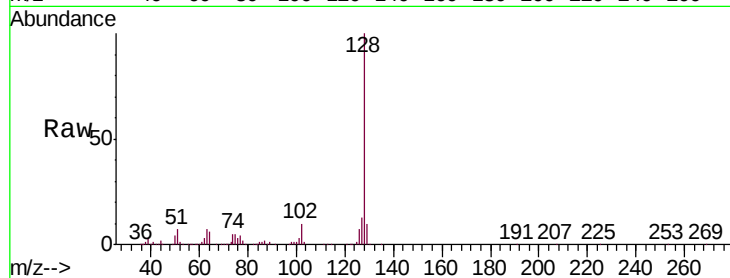
Tgt Ion:128 Resp: 208133

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

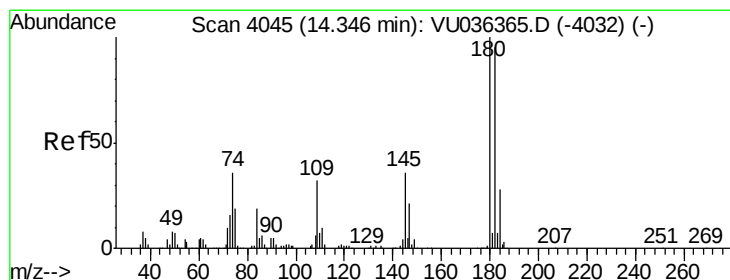
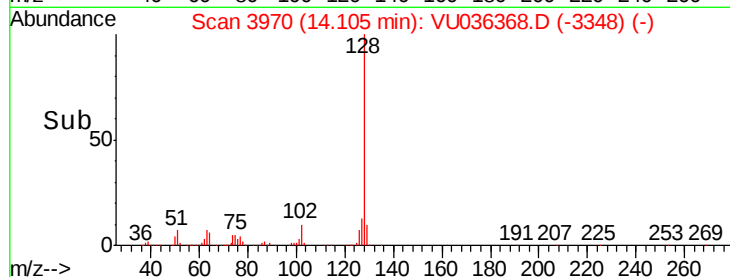
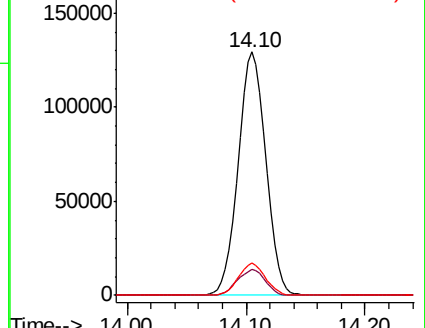
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.232 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036368.D

Acq: 28 Dec 2019 14:41

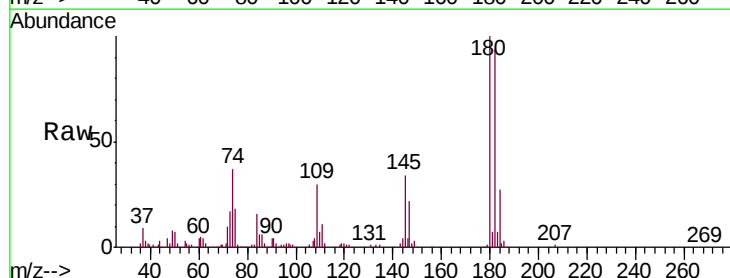
Tgt Ion:180 Resp: 107579

Ion Ratio Lower Upper

180 100

182 93.9 75.0 112.4

145 34.9 28.2 42.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

