

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036073.D
 Acq On : 10 Dec 2019 09:59
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:25:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 10 01:47:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	256723	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270247	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	139118	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	124860	5.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.20%
7) Chloroethane-d5	1.93	69	126269	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.59	63	193802	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	4.70	46	185467	47.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.14%
24) Chloroform-d	5.11	84	181472	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.75	65	89308	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.77	84	351362	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.73	67	101996	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.93	98	336445	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
43) trans-1,3-Dichloropropene-	8.21	79	44862	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.67	63	155015	49.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	87668	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	127708	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	127478	5.051	ug/L	97
3) Chloromethane	1.54	50	110169	4.471	ug/L	98
5) Vinyl chloride	1.62	62	151353	5.888	ug/L	98
6) Bromomethane	1.87	94	95490	4.622	ug/L	97
8) Chloroethane	1.95	64	108868	5.566	ug/L	99
9) Trichlorofluoromethane	2.16	101	238012	5.318	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	114875	4.625	ug/L	98
12) 1,1-Dichloroethene	2.60	96	104939	4.698	ug/L	83
13) Acetone	2.68	43	193900	39.175	ug/L	97
14) Carbon disulfide	2.82	76	321019	5.017	ug/L	99
15) Methyl Acetate	3.00	43	37883	5.184	ug/L	99
16) Methylene chloride	3.08	84	121029	4.666	ug/L	93
17) Methyl tert-butyl Ether	3.41	73	215752	5.611	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	107883	5.659	ug/L	94
19) 1,1-Dichloroethane	3.92	63	169577	4.956	ug/L	96
21) 2-Butanone	4.77	43	221200	44.650	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	101636	5.080	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121019\
 Data File : VU036073.D
 Acq On : 10 Dec 2019 09:59
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:25:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 10 01:47:47 2019
 Response via : Initial Calibration

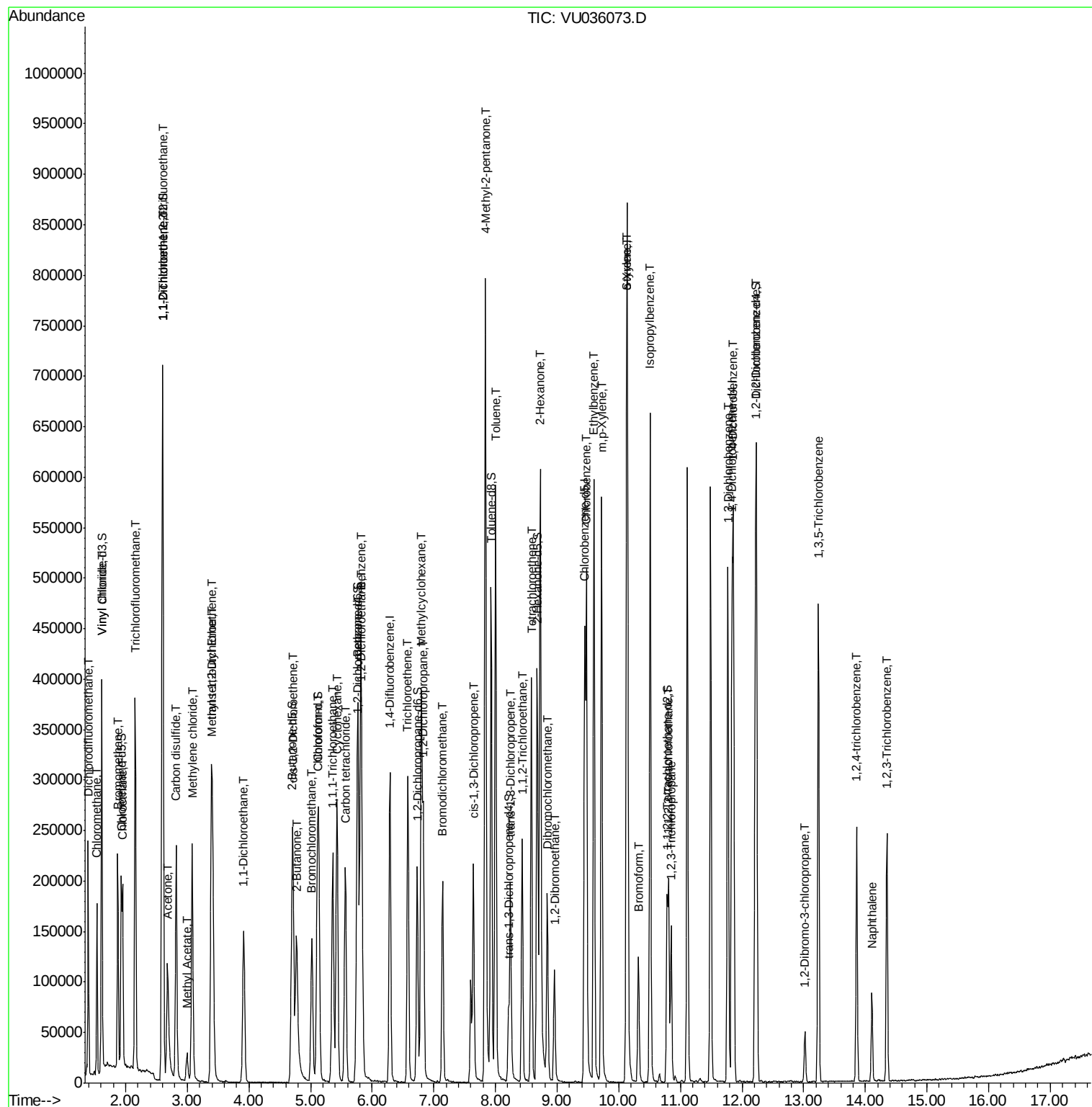
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52262	5.052	ug/L	94
25) Chloroform	5.13	83	187691	4.922	ug/L	97
27) 1,2-Dichloroethane	5.84	62	112064	4.974	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	162145	5.323	ug/L	100
30) Cyclohexane	5.43	56	123409	5.160	ug/L	98
31) Carbon tetrachloride	5.57	117	152006	5.519	ug/L	98
33) Benzene	5.82	78	408642	5.533	ug/L	100
34) Trichloroethene	6.58	95	102042	5.203	ug/L	99
35) Methylcyclohexane	6.80	83	141272	5.369	ug/L	99
37) 1,2-Dichloropropane	6.83	63	99422	5.366	ug/L	99
38) Bromodichloromethane	7.14	83	130960	5.259	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	133786	5.313	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	505997	52.287	ug/L	99
42) Toluene	8.00	91	442371	5.585	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	114329	5.252	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	75656	5.187	ug/L	96
47) Tetrachloroethene	8.58	164	97487	5.229	ug/L	99
48) 2-Hexanone	8.73	43	372966	53.724	ug/L	94
49) Dibromochloromethane	8.84	129	99850	5.157	ug/L	100
50) 1,2-Dibromoethane	8.96	107	74754	5.300	ug/L	97
51) Chlorobenzene	9.47	112	284093	5.146	ug/L	98
52) Ethylbenzene	9.60	91	424314	5.113	ug/L	98
53) m,p-Xylene	9.72	106	172648	5.225	ug/L	100
54) o-Xylene	10.13	106	164040	5.286	ug/L	99
55) Styrene	10.14	104	283094	5.320	ug/L	100
56) Isopropylbenzene	10.51	105	423416	5.172	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	95528	4.954	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	68464	5.170	ug/L	95
61) Bromoform	10.32	173	62260	4.497	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	235396	5.173	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	226939	5.062	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	221413	4.924	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	12724	4.504	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	162811	5.281	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	84631	5.169	ug/L	96
69) Naphthalene	14.11	128	69059	4.383	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	82151	5.233	ug/L	99

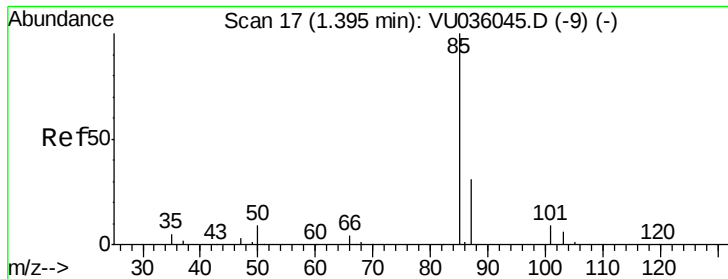
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121019\
Data File : VU036073.D
Acq On : 10 Dec 2019 09:59
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 11 06:25:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.051 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

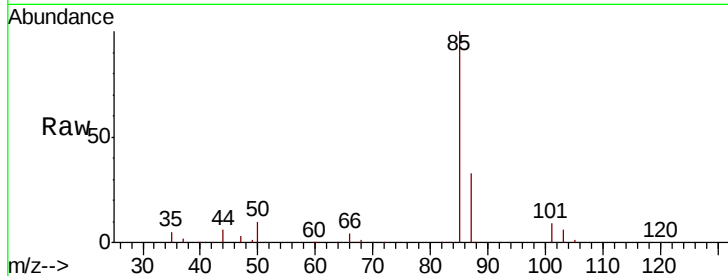
ClientSampled :

Tot Ion: 85 Resp: 127478

Ion Ratio Lower Upper

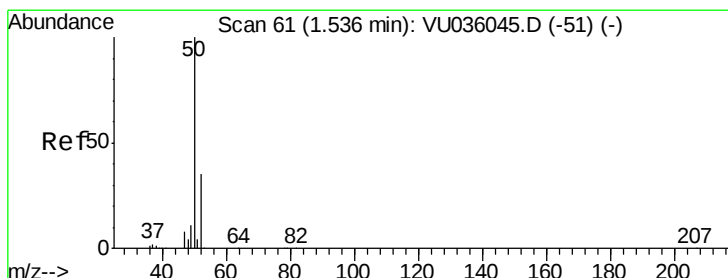
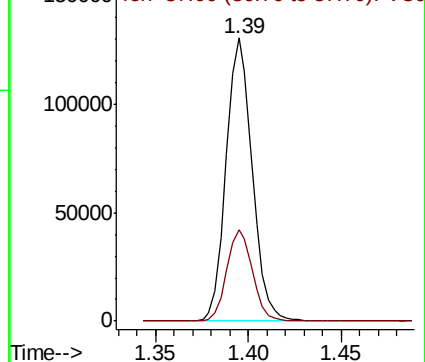
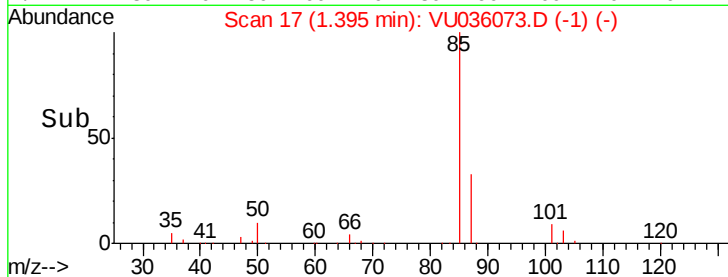
85 100

87 31.8 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036073.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036073.D (-1) (-)



#3

Chloromethane

Concen: 4.471 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036073.D

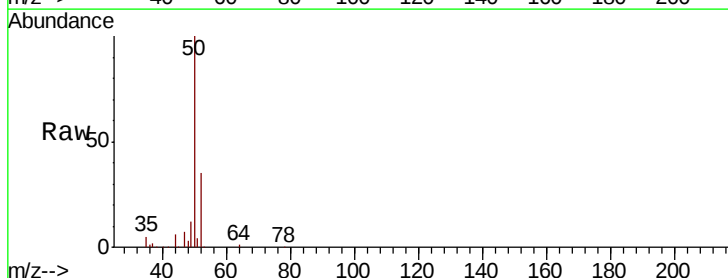
Acq: 10 Dec 2019 09:59

Tgt Ion: 50 Resp: 110169

Ion Ratio Lower Upper

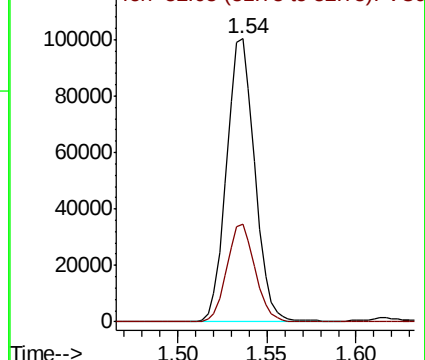
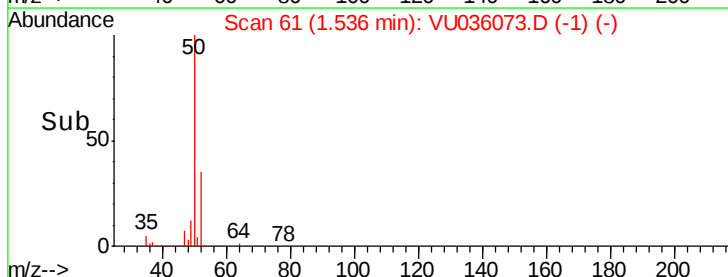
50 100

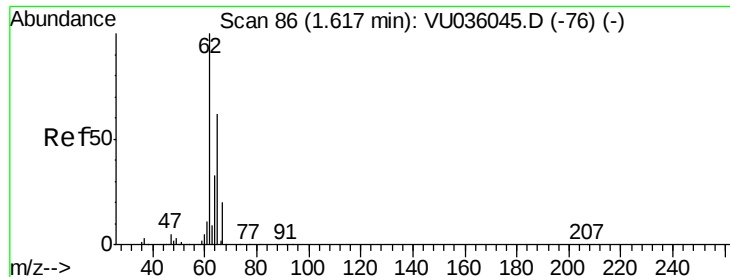
52 34.7 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036073.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036073.D (-1) (-)





#5

Vinyl chloride

Concen: 5.888 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

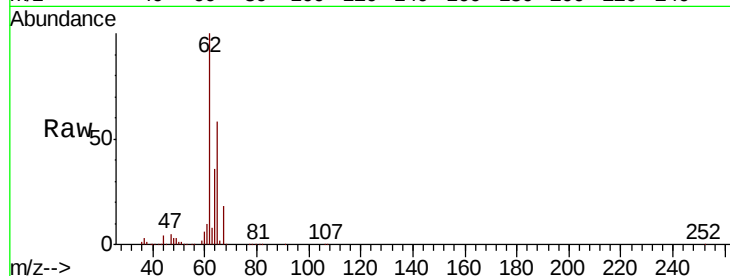
ClientSampleId :

Tot Ion: 62 Resp: 151353

Ion Ratio Lower Upper

62 100

64 36.0 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU036073.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU036073.D (-76) (-)

1.62

150000

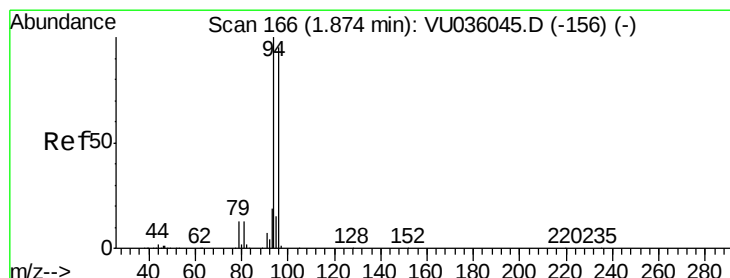
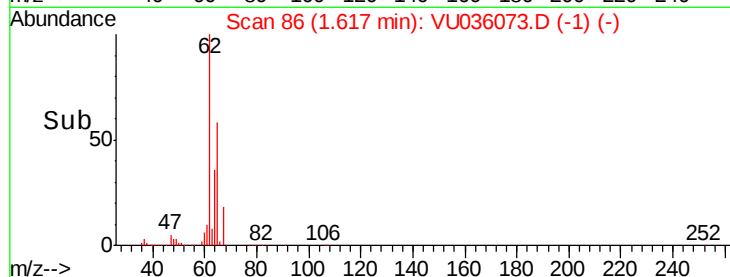
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 4.622 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036073.D

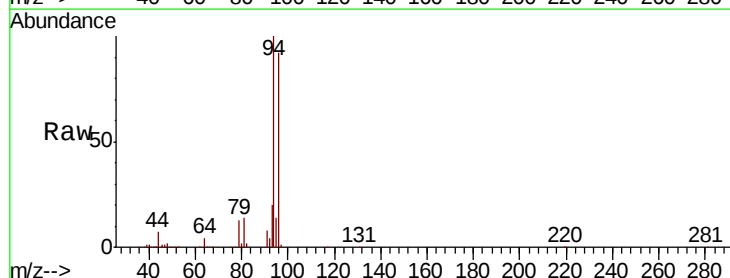
Acq: 10 Dec 2019 09:59

Tgt Ion: 94 Resp: 95490

Ion Ratio Lower Upper

94 100

96 92.4 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU036073.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU036073.D (-73) (-)

1.87

80000

60000

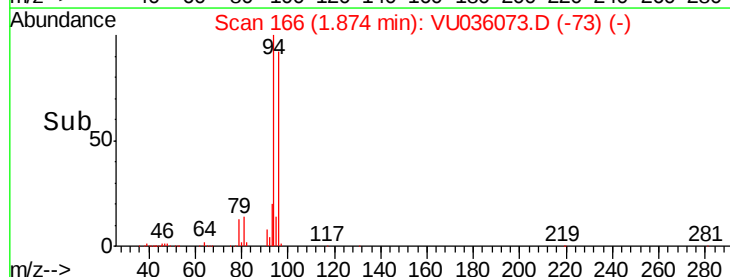
40000

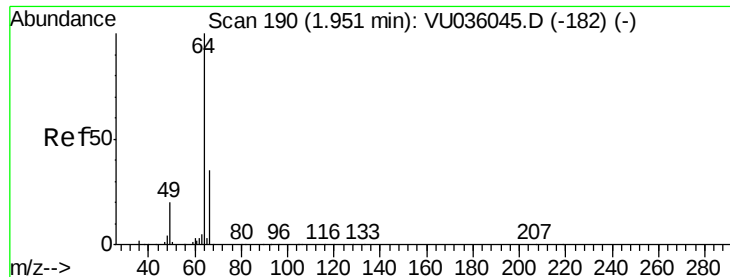
20000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 5.566 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

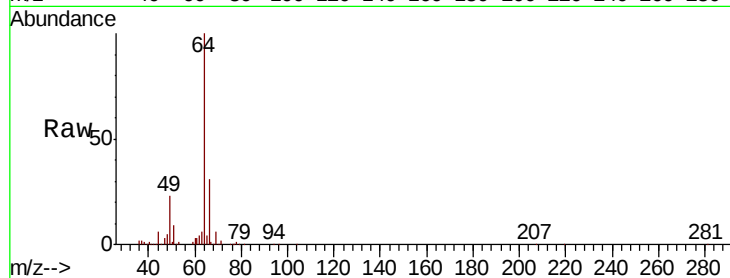
ClientSampleId :

Tot Ion: 64 Resp: 108868

Ion Ratio Lower Upper

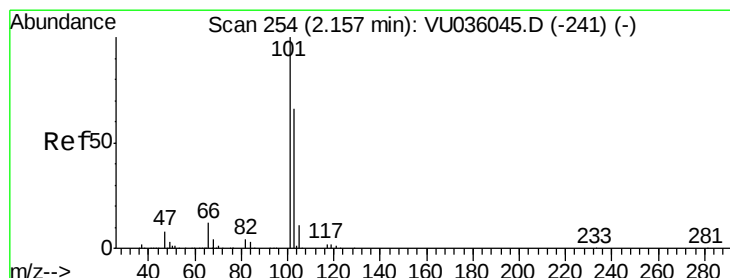
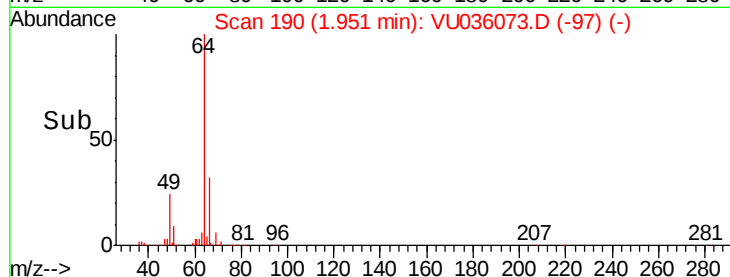
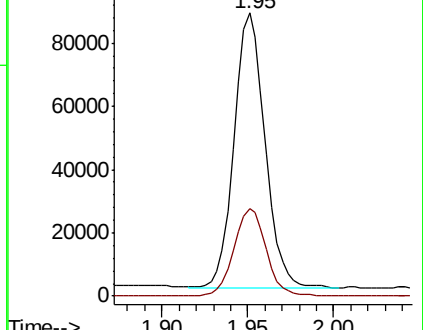
64 100

66 31.1 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU036073.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU036073.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 5.318 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036073.D

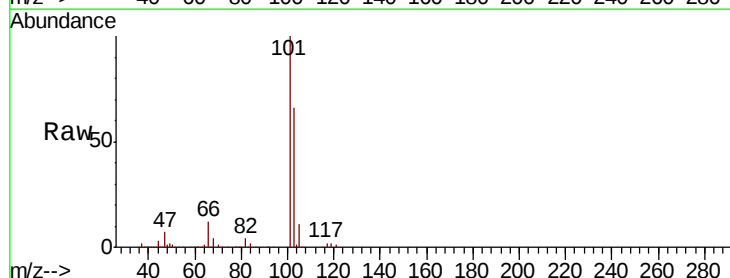
Acq: 10 Dec 2019 09:59

Tgt Ion: 101 Resp: 238012

Ion Ratio Lower Upper

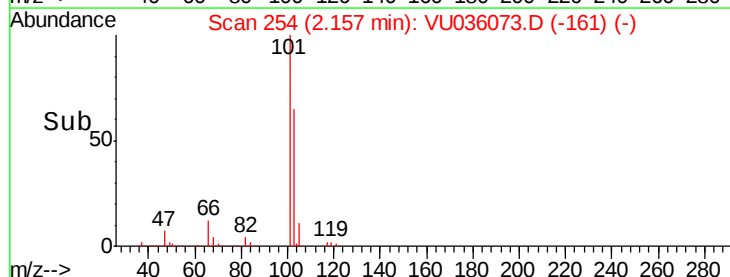
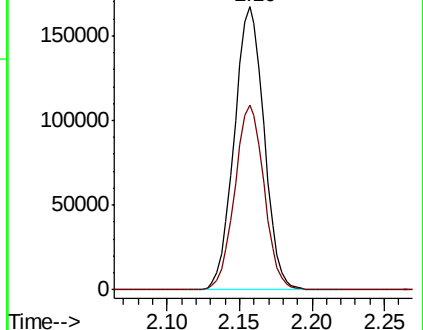
101 100

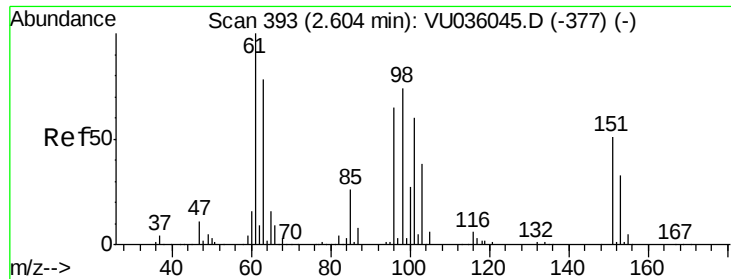
103 64.4 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VU036073.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU036073.D (-161) (-)





#10

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

Concen: 4.625 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

ClientSampled :

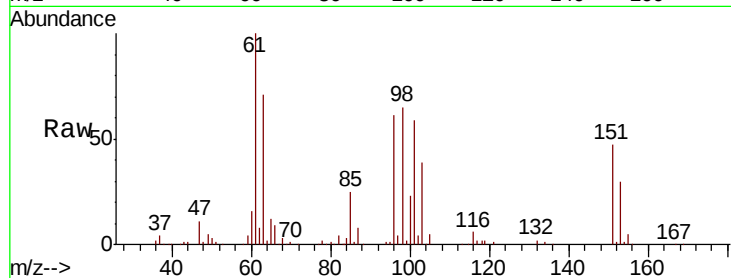
Tot Ion:101 Resp: 114875

Ion Ratio Lower Upper

101 100

85 42.9 33.1 49.7

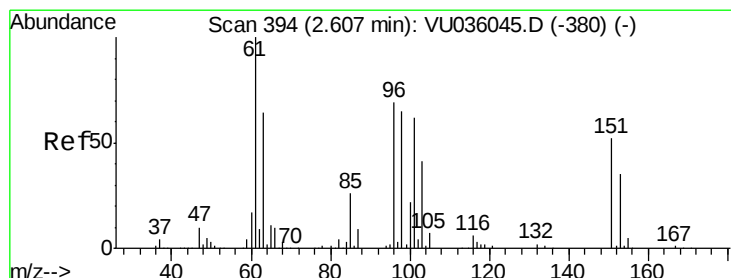
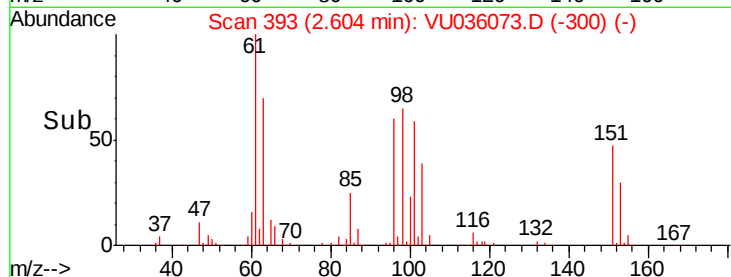
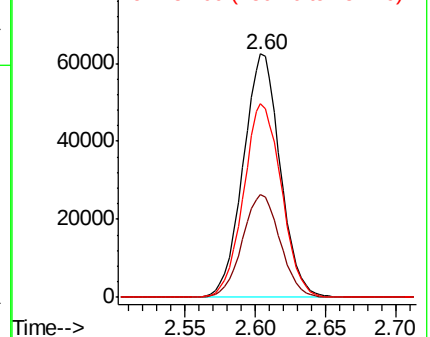
151 81.3 66.5 99.7



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: 4.698 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

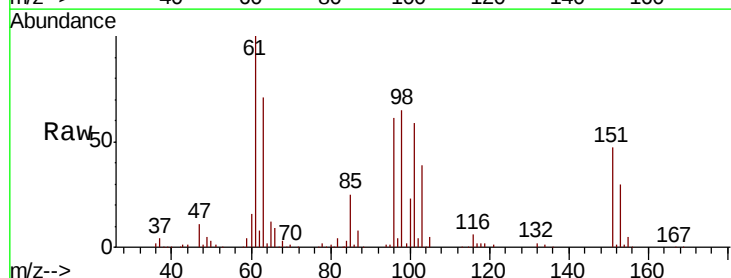
Tgt Ion: 96 Resp: 104939

Ion Ratio Lower Upper

96 100

61 165.1 104.3 193.7

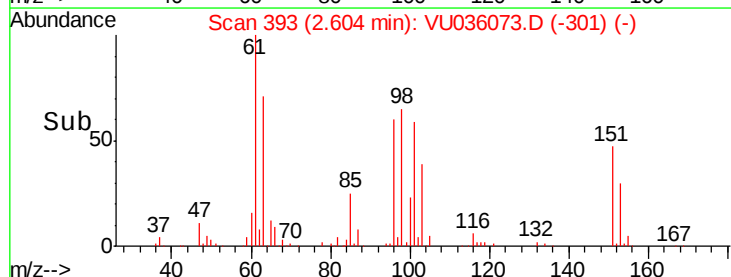
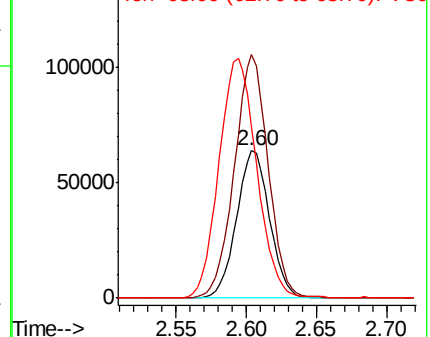
63 116.7 65.6 121.8

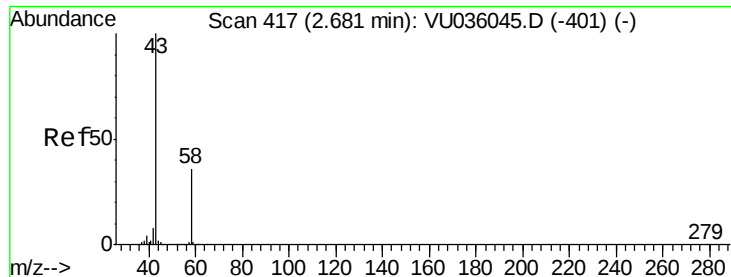


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.175 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

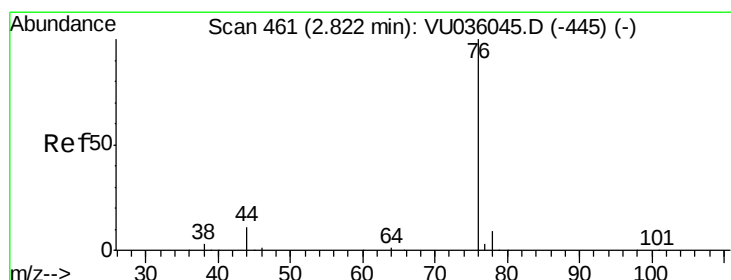
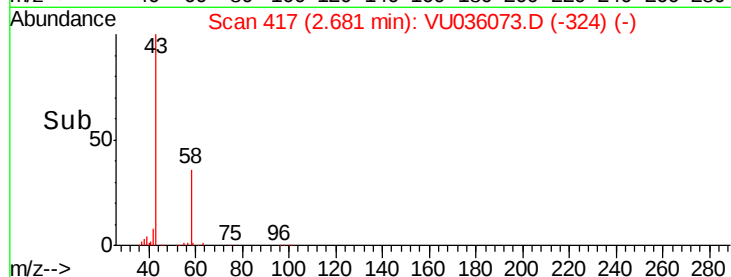
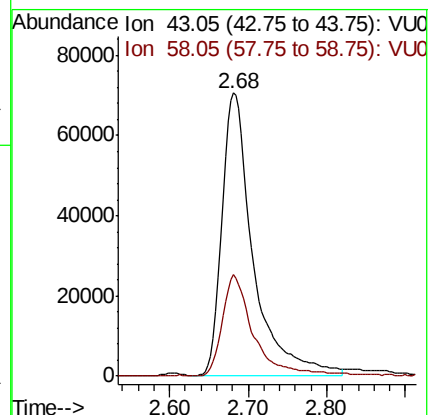
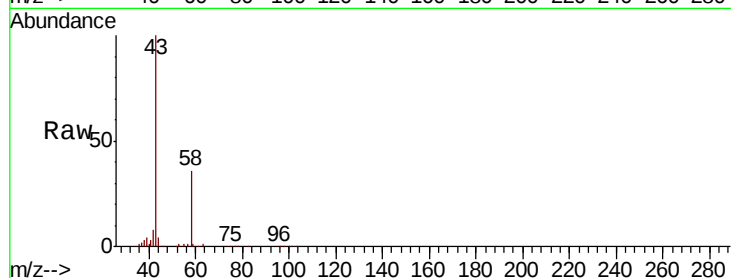
ClientSampleId :

Tot Ion: 43 Resp: 193900

Ion Ratio Lower Upper

43 100

58 35.4 0.0 74.2



#14

Carbon disulfide

Concen: 5.017 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036073.D

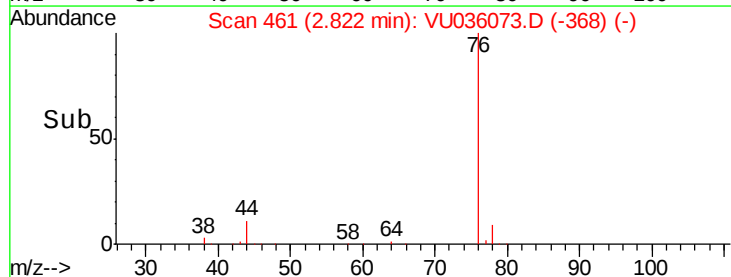
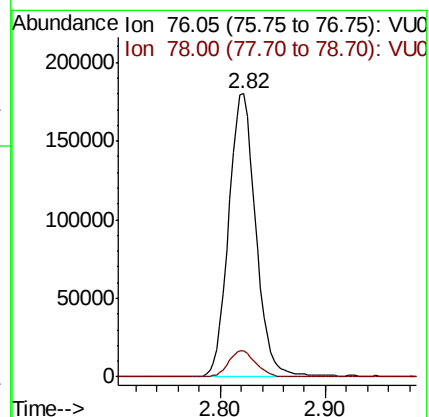
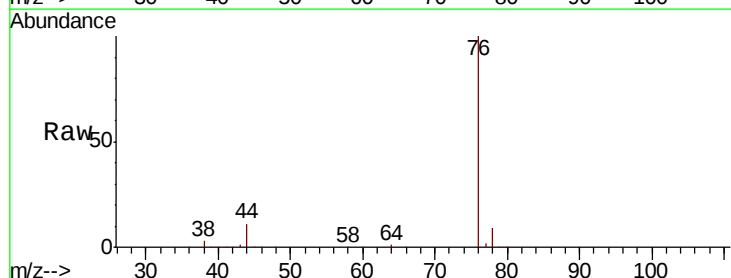
Acq: 10 Dec 2019 09:59

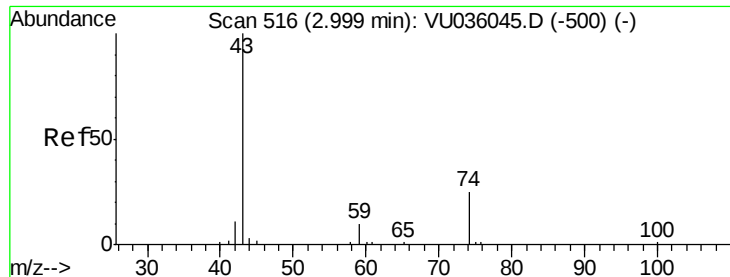
Tgt Ion: 76 Resp: 321019

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

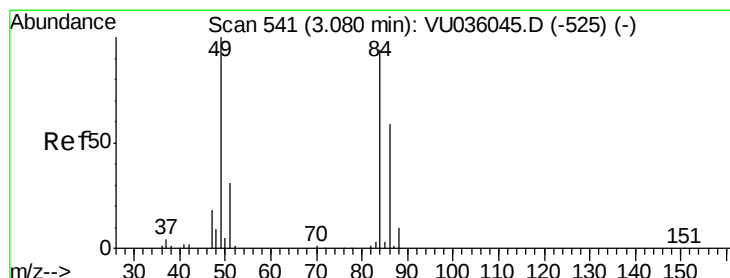
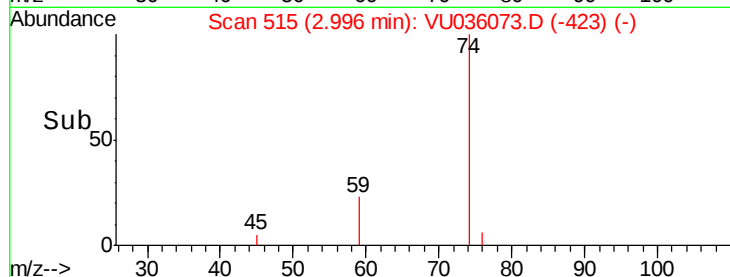
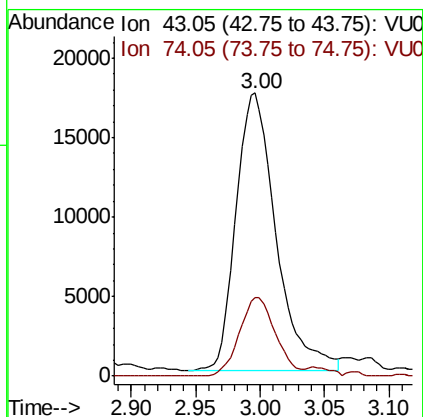
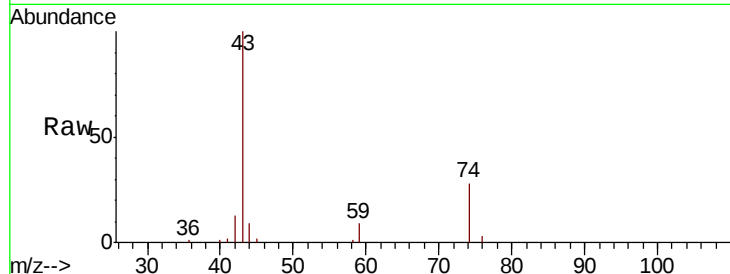




#15
Methvl Acetate
Concen: 5.184 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

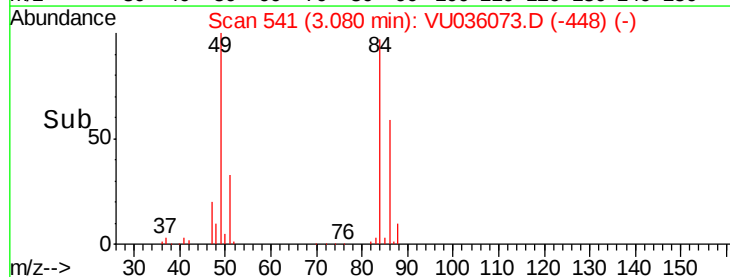
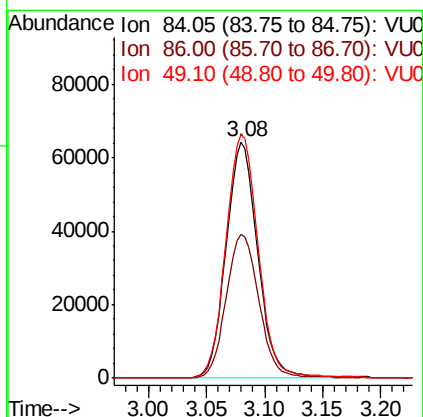
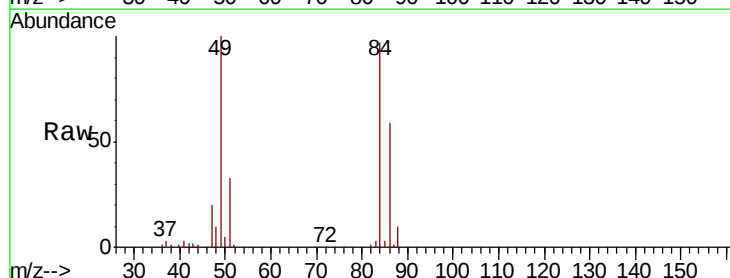
Instrument :
MSVOA_U
ClientSampleId :

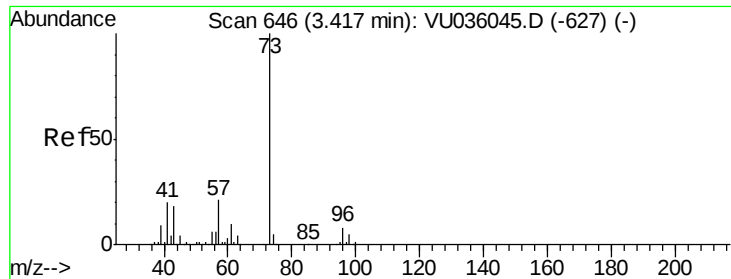
Tot Ion: 43 Resp: 37883
Ion Ratio Lower Upper
43 100
74 25.5 21.0 31.4



#16
Methylene chloride
Concen: 4.666 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

Tgt Ion: 84 Resp: 121029
Ion Ratio Lower Upper
84 100
86 60.7 47.5 88.3
49 103.2 76.9 142.9



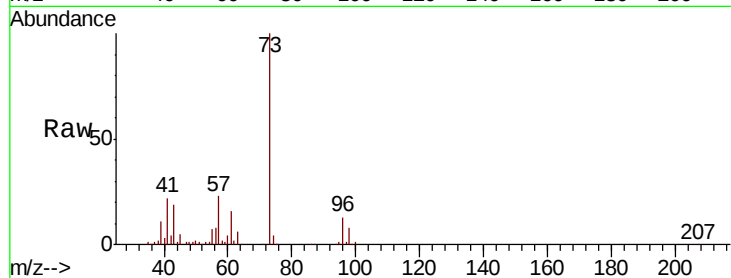


#17

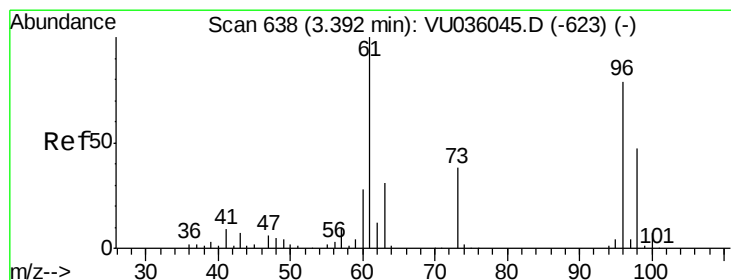
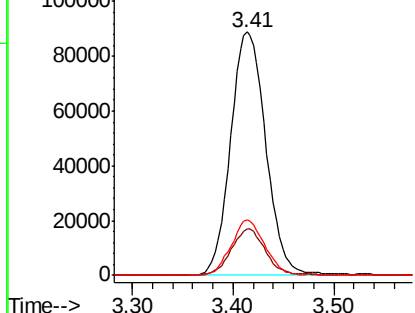
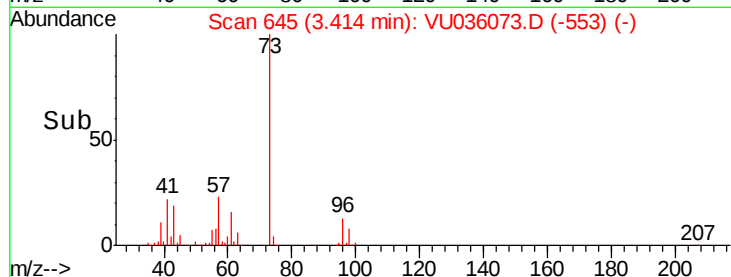
Methvl tert-butvl Ether
 Concen: 5.611 ug/L
 RT: 3.41 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 215752
 Ion Ratio Lower Upper
 73 100
 43 18.2 15.6 23.4
 57 21.6 17.4 26.2



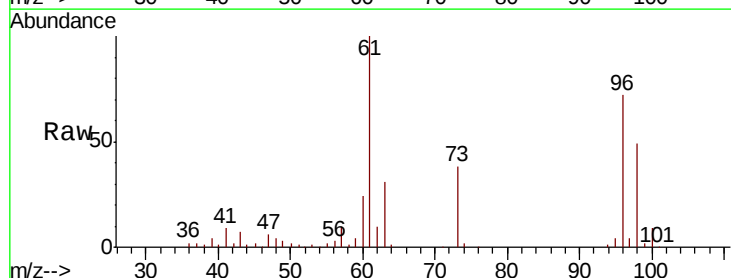
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



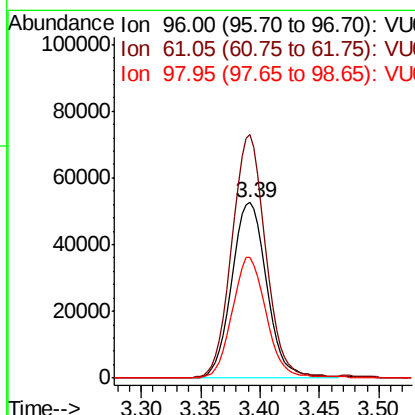
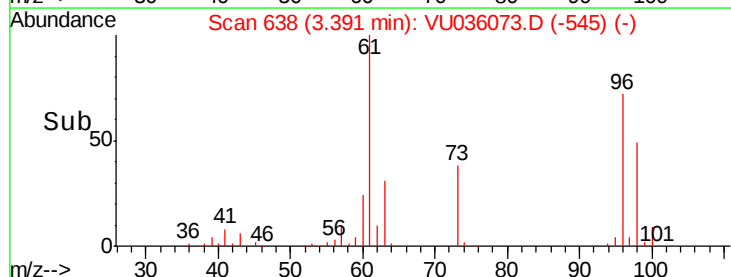
#18

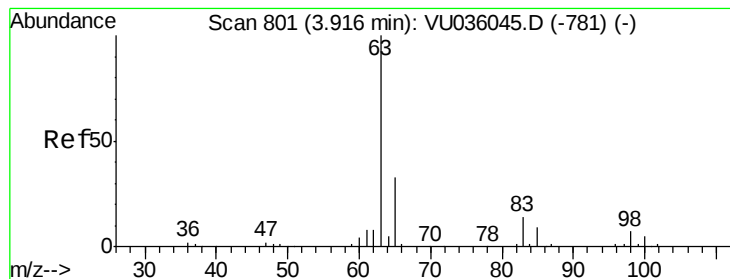
trans-1,2-Dichloroethene
 Concen: 5.659 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Tgt Ion: 96 Resp: 107883
 Ion Ratio Lower Upper
 96 100
 61 138.9 92.0 170.8
 98 68.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.956 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

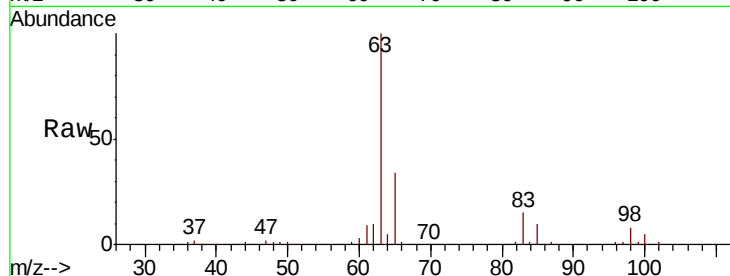
Tot Ion: 63 Resp: 169577

Ion Ratio Lower Upper

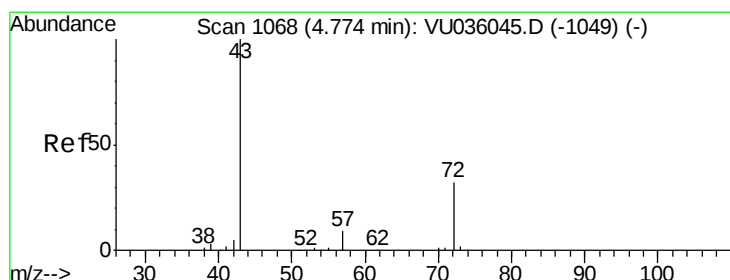
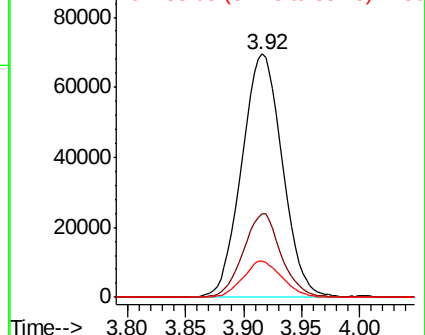
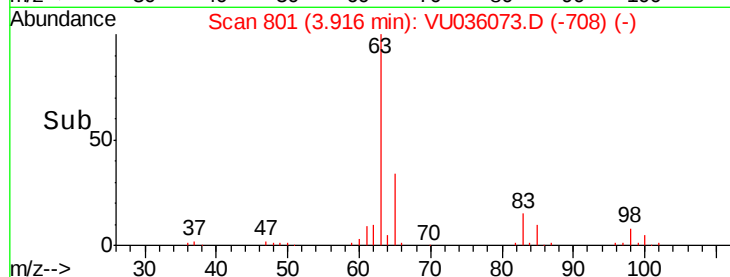
63 100

65 34.2 21.8 40.4

83 14.8 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036073.D (-708) (-)



#21

2-Butanone

Concen: 44.650 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU036073.D

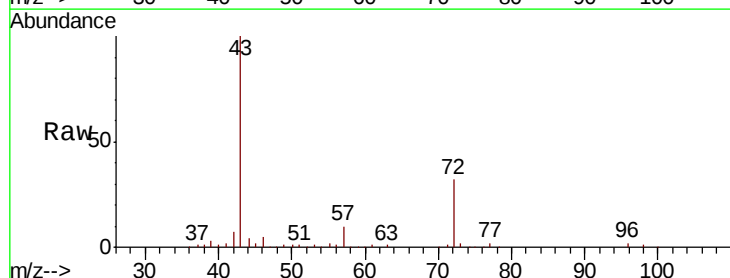
Acq: 10 Dec 2019 09:59

Tgt Ion: 43 Resp: 221200

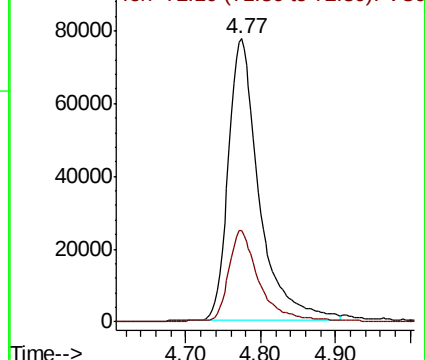
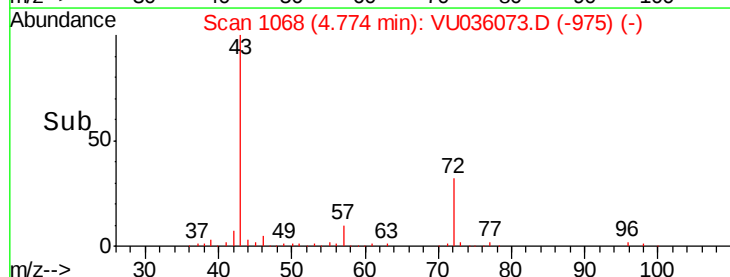
Ion Ratio Lower Upper

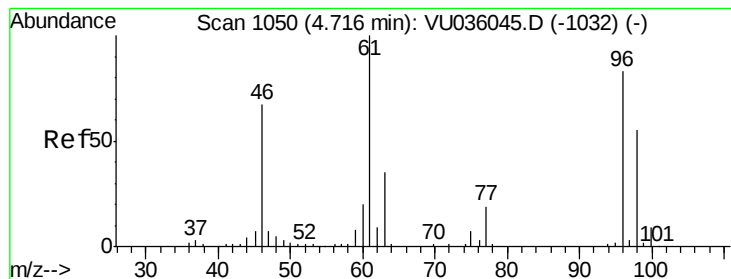
43 100

72 30.2 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU036073.D (-975) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.080 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :
MSVOA_U
ClientSampleId :

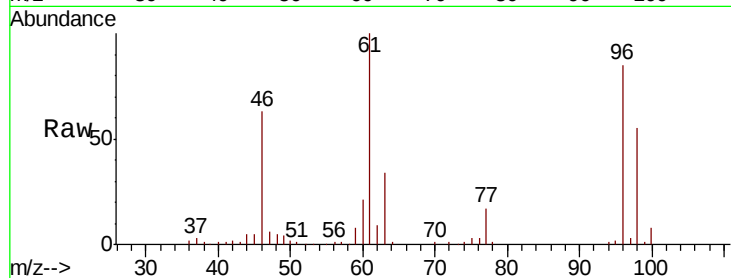
Tot Ion: 96 Resp: 101636

Ion Ratio Lower Upper

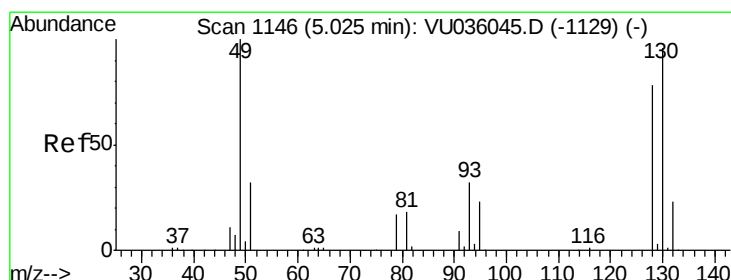
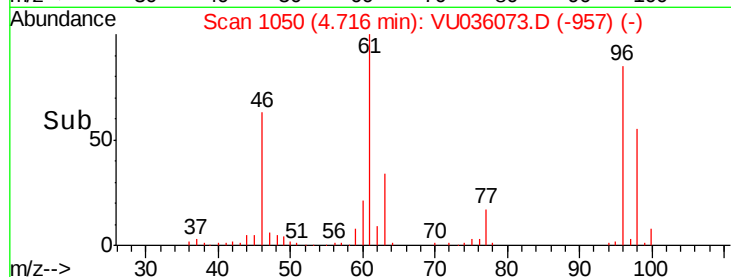
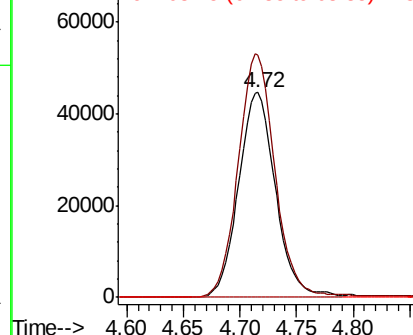
96 100

61 118.0 83.0 154.2

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



#23

Bromochloromethane

Concen: 5.052 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Tgt Ion: 128 Resp: 52262

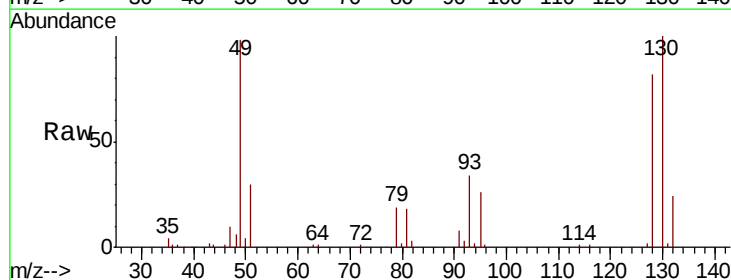
Ion Ratio Lower Upper

128 100

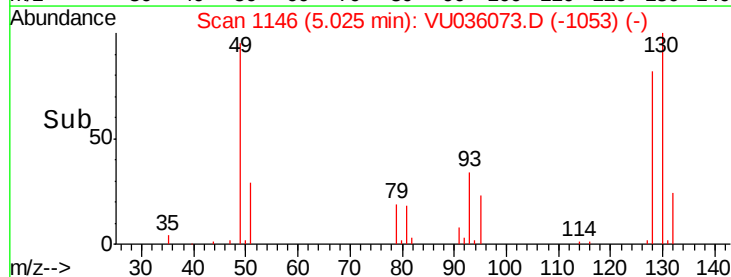
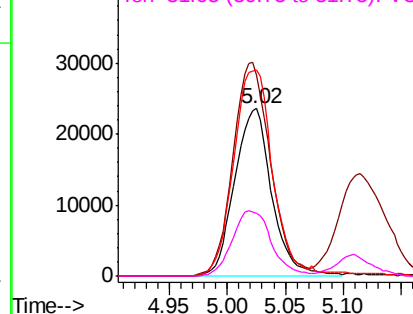
49 120.1 90.2 167.6

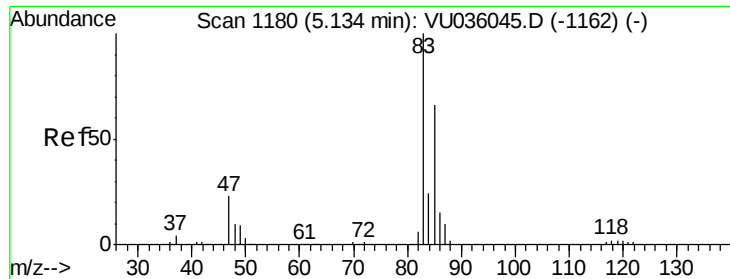
130 122.5 89.0 165.4

51 37.1 33.8 50.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

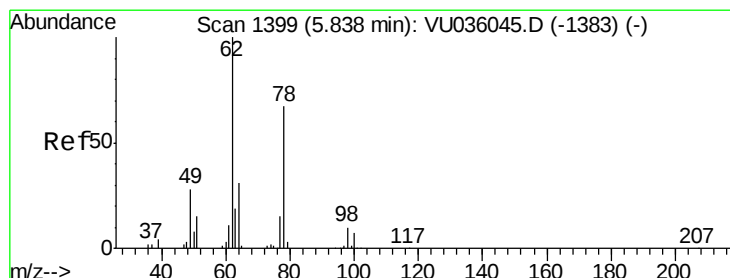
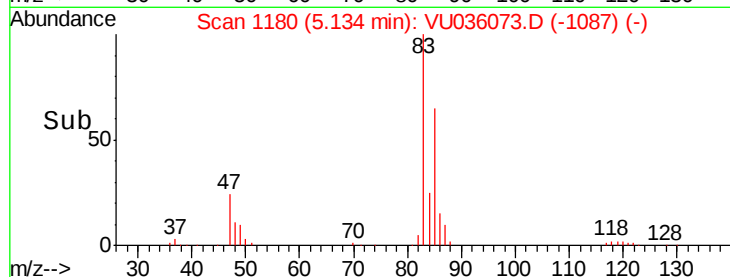
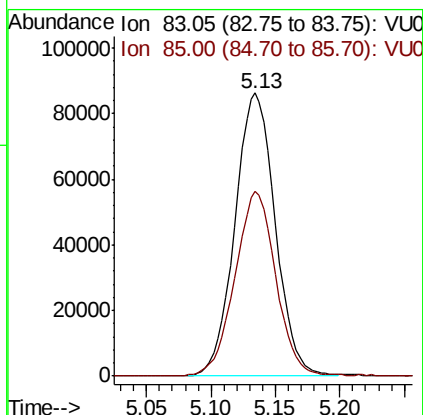
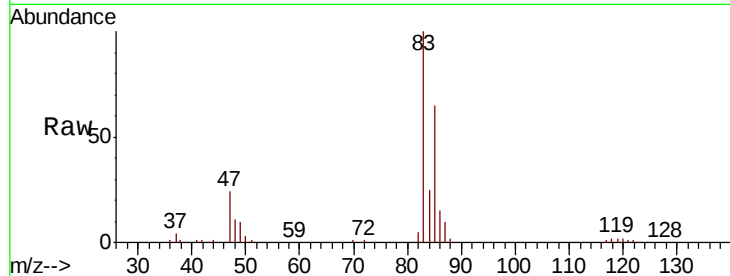




#25
Chloroform
Concen: 4.922 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

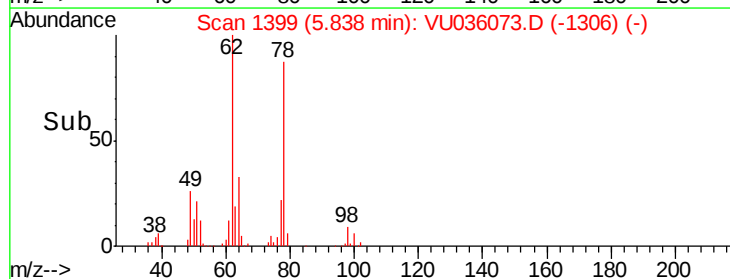
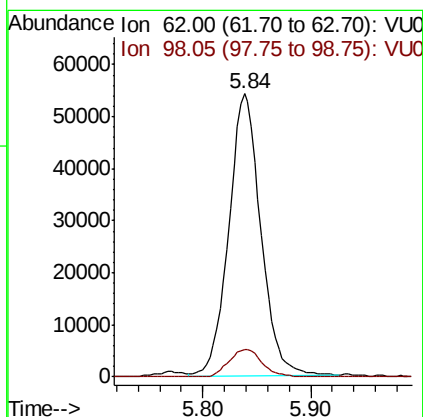
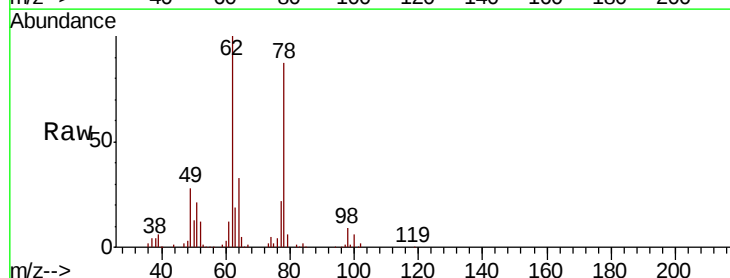
Instrument :
MSVOA_U
ClientSampleId :

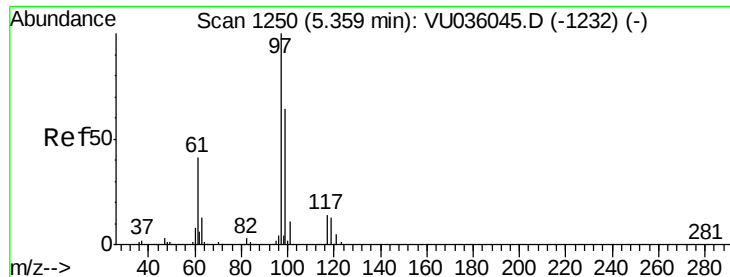
Tot Ion: 83 Resp: 187691
Ion Ratio Lower Upper
83 100
85 65.2 43.9 81.5



#27
1,2-Dichloroethane
Concen: 4.974 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

Tgt Ion: 62 Resp: 112064
Ion Ratio Lower Upper
62 100
98 9.5 8.2 12.2

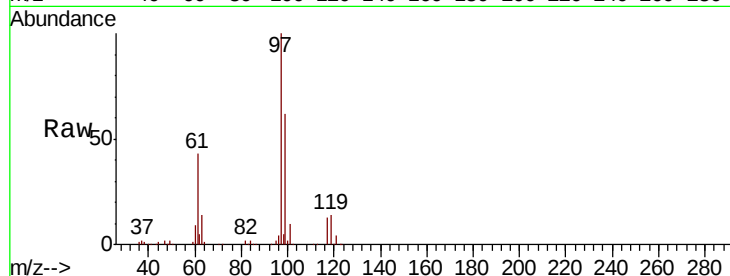




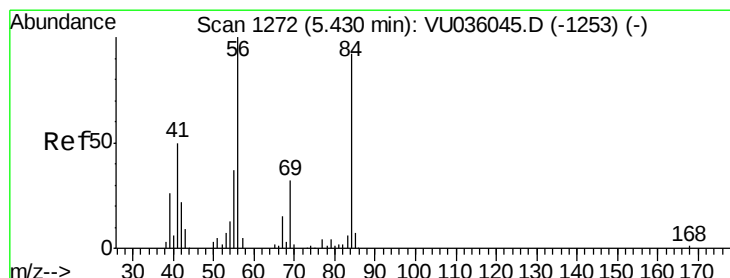
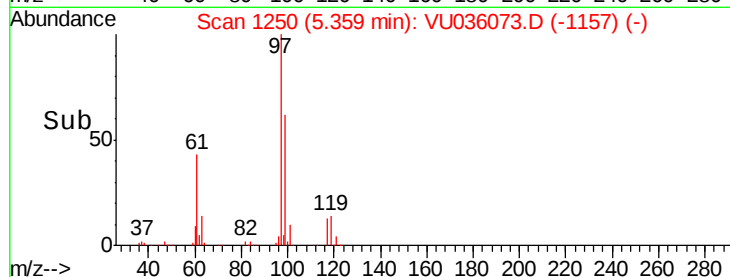
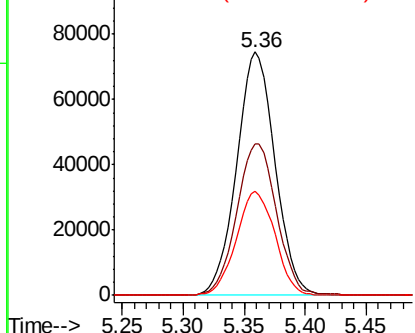
#29
 1,1,1-Trichloroethane
 Concen: 5.323 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	43.2	34.7	52.1

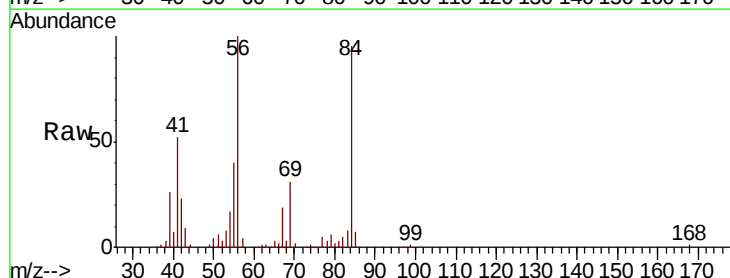


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

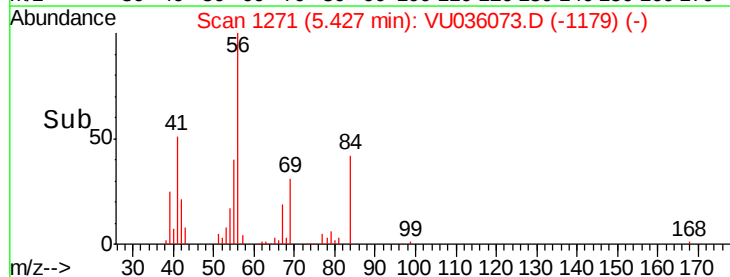
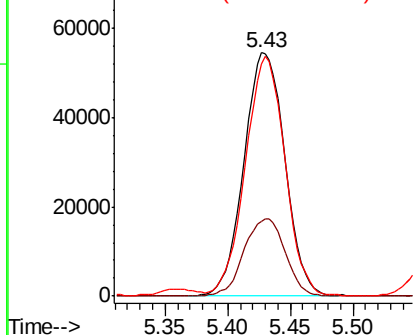


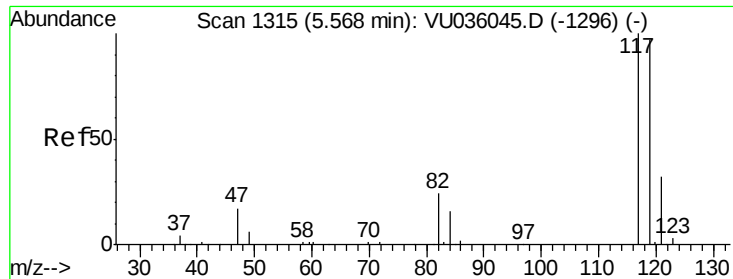
#30
 Cyclohexane
 Concen: 5.160 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.4	38.0
84	95.6	74.5	111.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.519 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

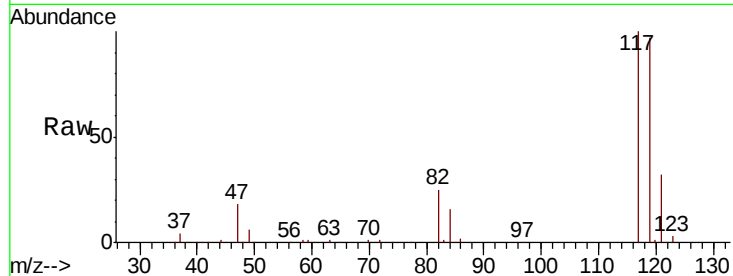
ClientSampleId :

Tot Ion:117 Resp: 152006

Ion Ratio Lower Upper

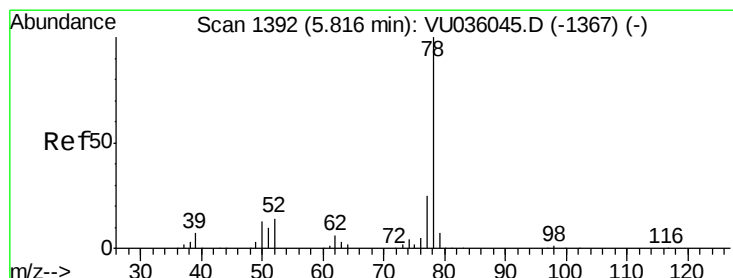
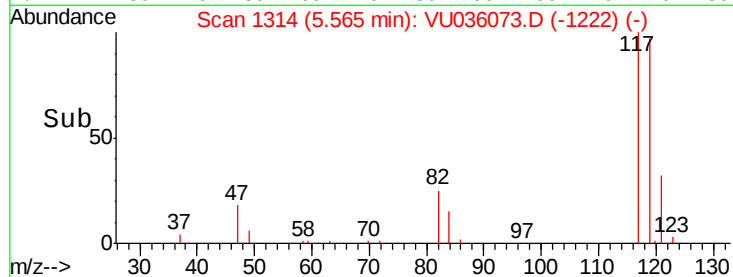
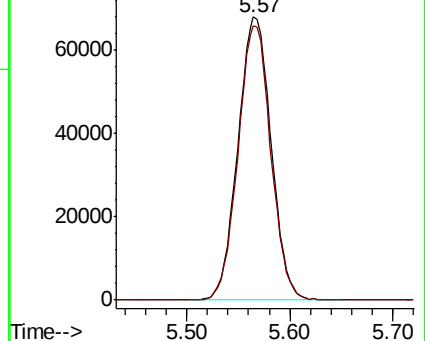
117 100

119 95.9 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.533 ug/L

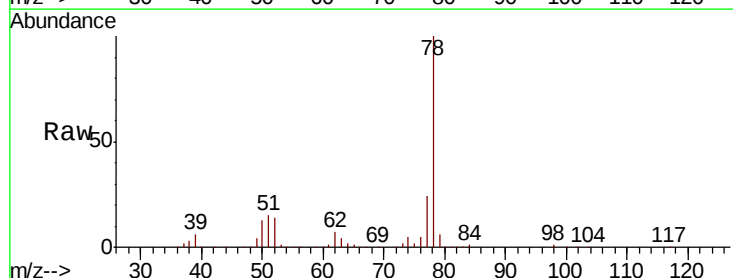
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

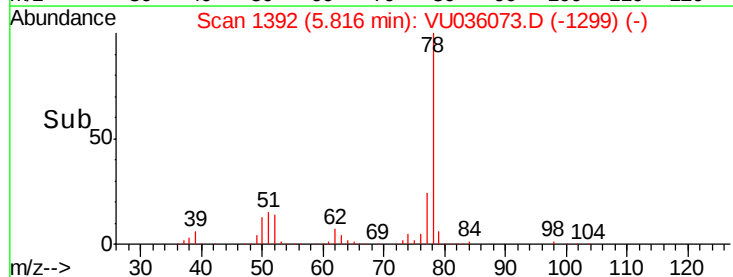
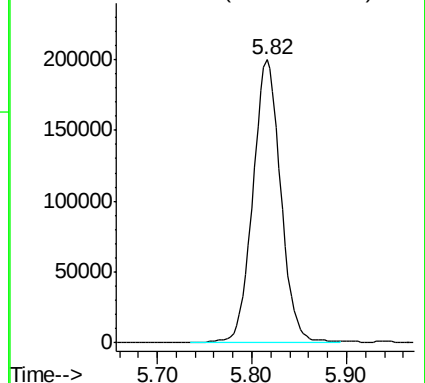
Lab File: VU036073.D

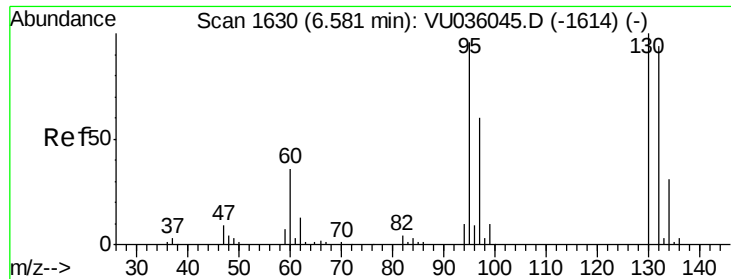
Acq: 10 Dec 2019 09:59

Tgt Ion: 78 Resp: 408642



Abundance Ion 78.10 (77.80 to 78.80): VU0

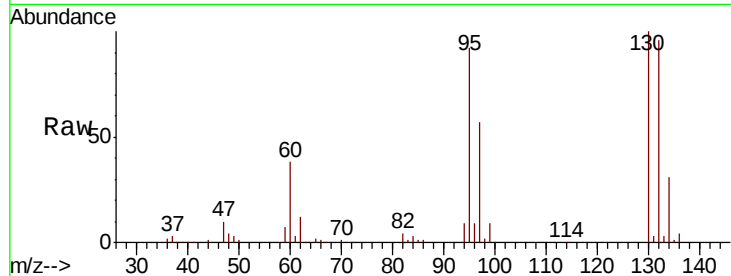




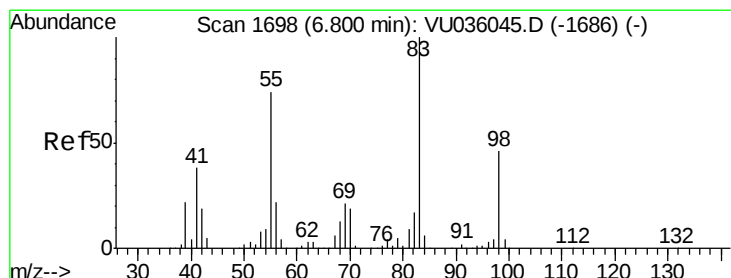
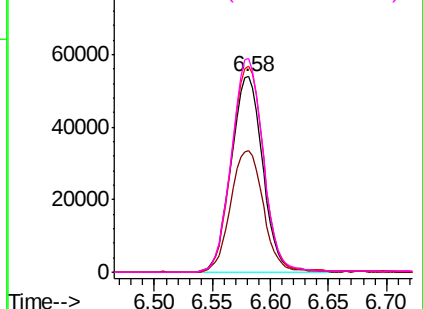
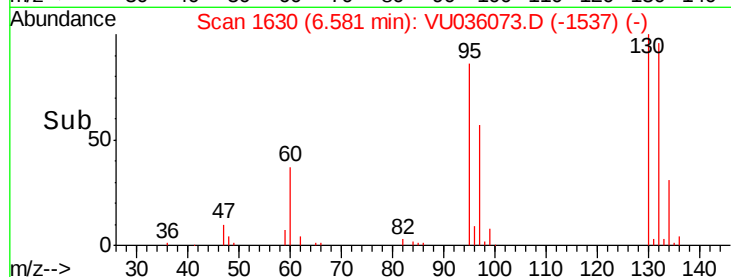
#34
 Trichloroethene
 Concen: 5.203 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 102042
 Ion Ratio Lower Upper
 95 100
 97 62.2 44.4 82.4
 132 105.4 73.4 136.4
 130 109.2 75.9 141.1

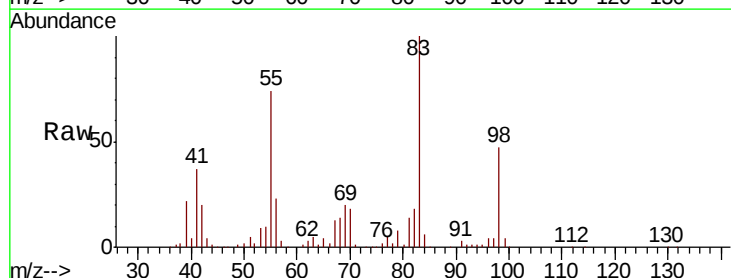


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

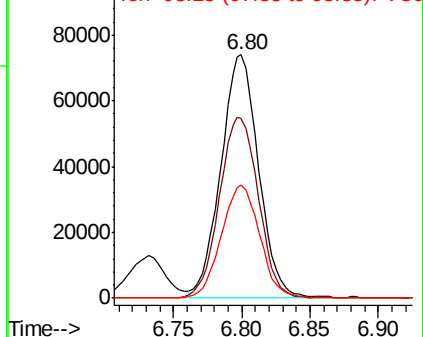
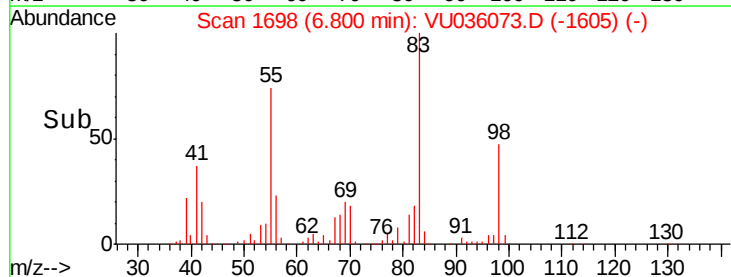


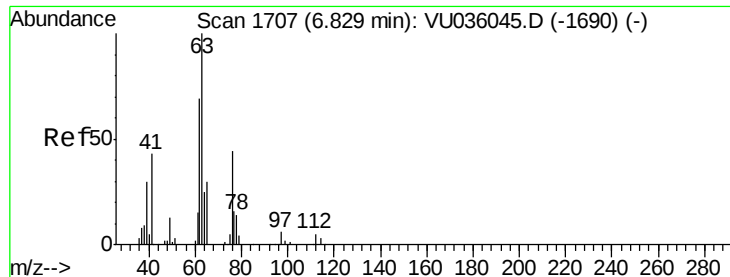
#35
 Methylcyclohexane
 Concen: 5.369 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Tgt Ion: 83 Resp: 141272
 Ion Ratio Lower Upper
 83 100
 55 77.1 62.1 93.1
 98 47.5 37.0 55.4



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

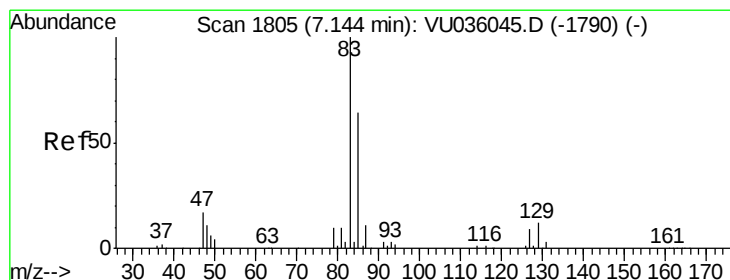
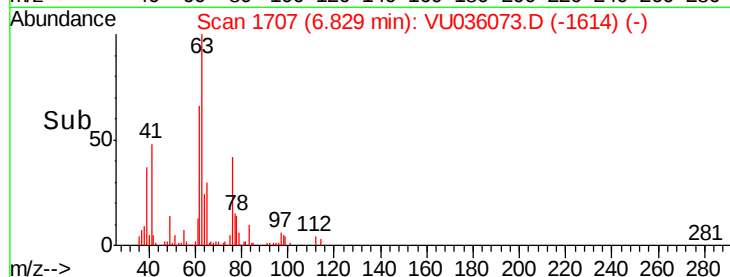
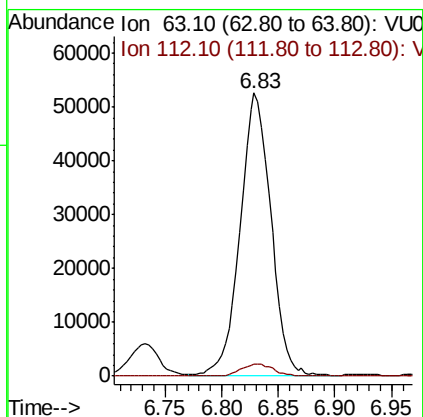
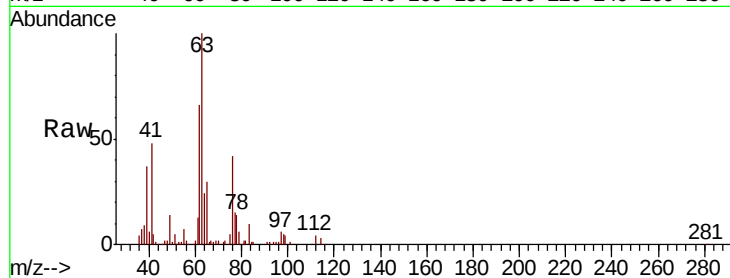




#37
 1,2-Dichloropropane
 Concen: 5.366 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

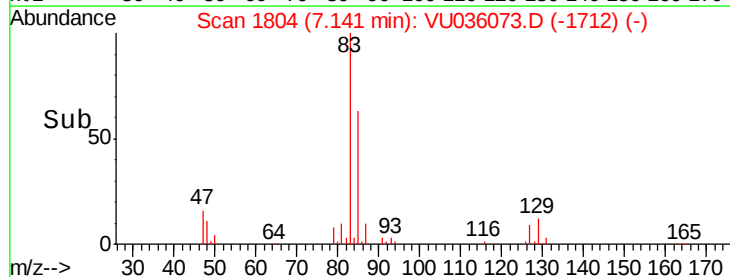
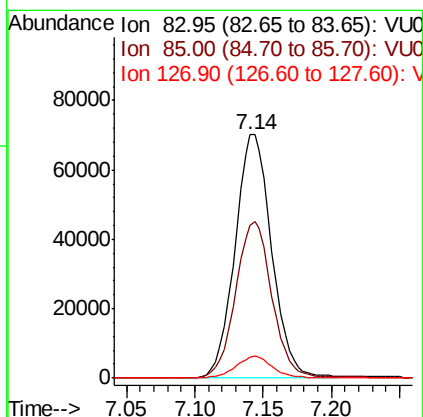
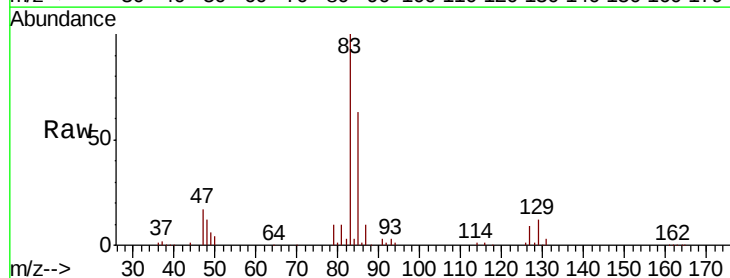
Instrument :
 MSVOA_U
 ClientSampleId :

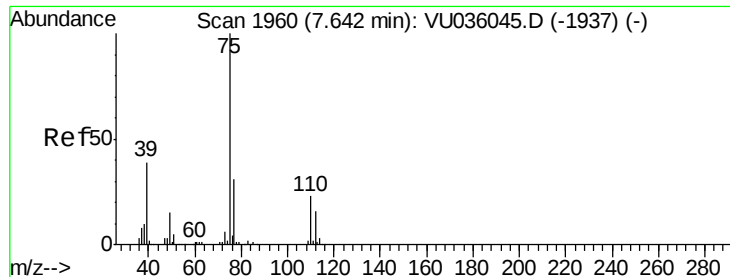
Tot Ion: 63 Resp: 99422
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.259 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Tgt Ion: 83 Resp: 130960
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.2 84.0
 127 8.6 7.4 11.2

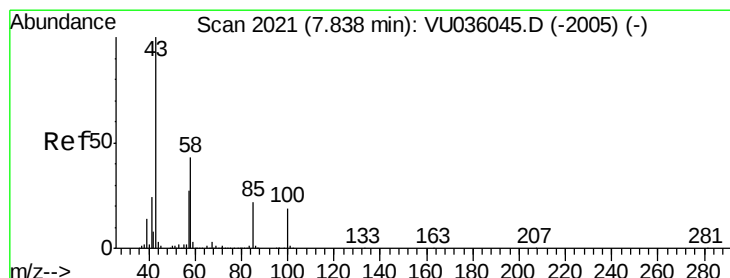
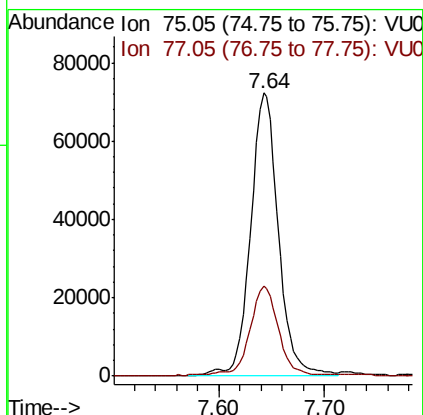
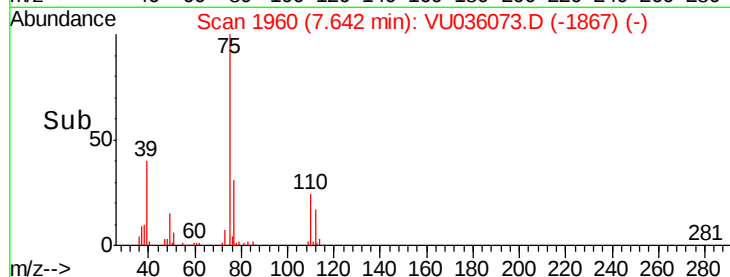
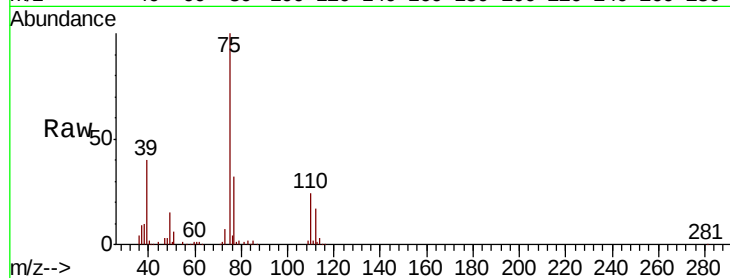




#39
 cis-1,3-Dichloropropene
 Concen: 5.313 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

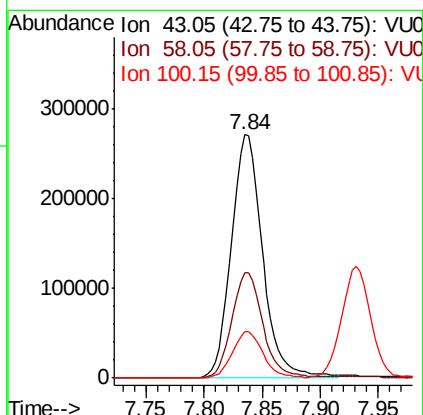
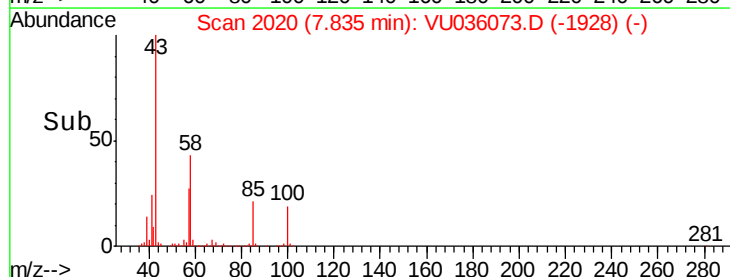
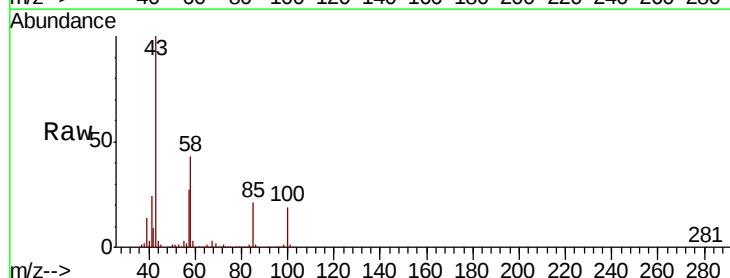
Instrument :
 MSVOA_U
 ClientSampleId :

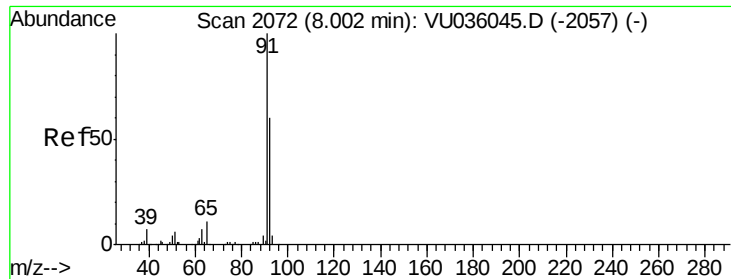
Tot Ion: 75 Resp: 133786
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 52.287 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Tgt Ion: 43 Resp: 505997
 Ion Ratio Lower Upper
 43 100
 58 43.1 34.5 51.7
 100 18.7 14.3 21.5





#42

Toluene

Concen: 5.585 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

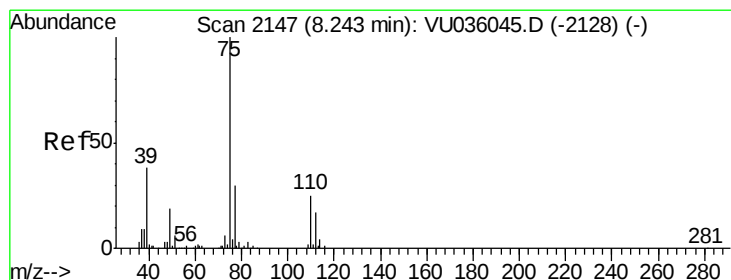
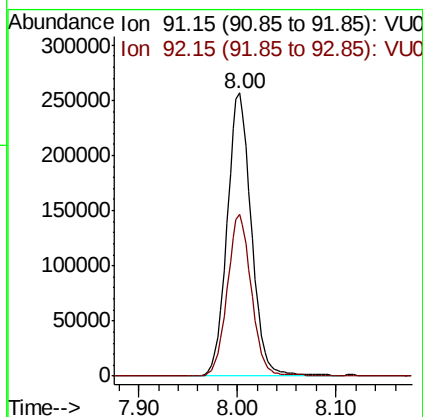
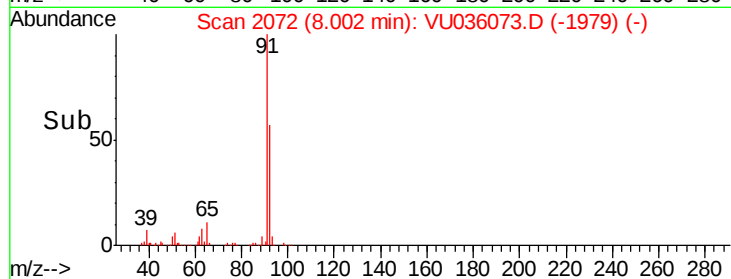
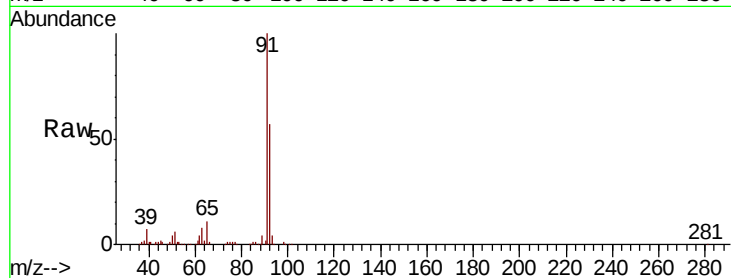
ClientSampled :

Tot Ion: 91 Resp: 442371

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.252 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036073.D

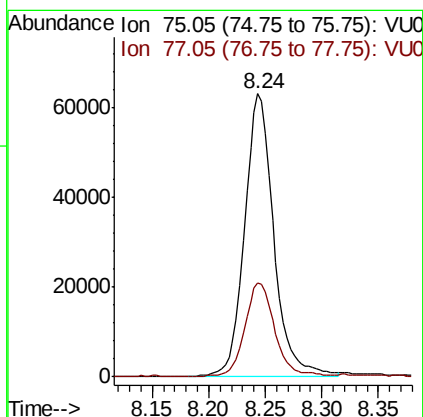
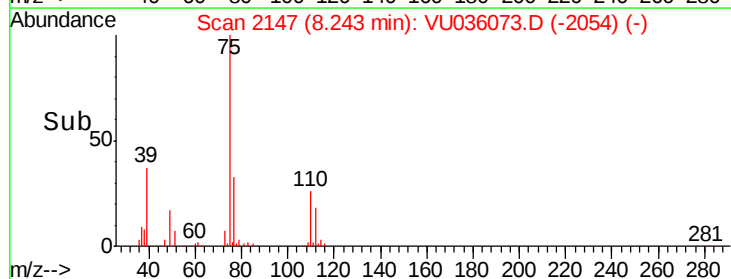
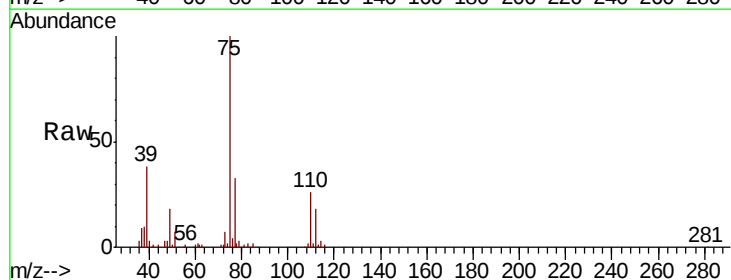
Acq: 10 Dec 2019 09:59

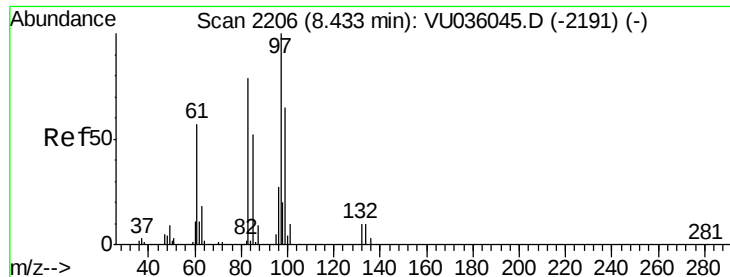
Tgt Ion: 75 Resp: 114329

Ion Ratio Lower Upper

75 100

77 33.4 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 5.187 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

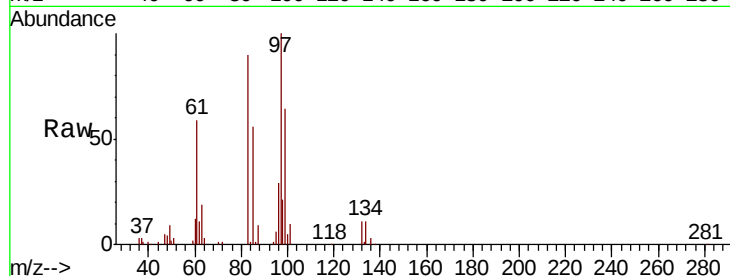
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 75656

Ion	Ratio	Lower	Upper
97	100		
99	63.6	46.1	85.7
83	89.9	59.6	110.8
85	56.5	40.5	75.3



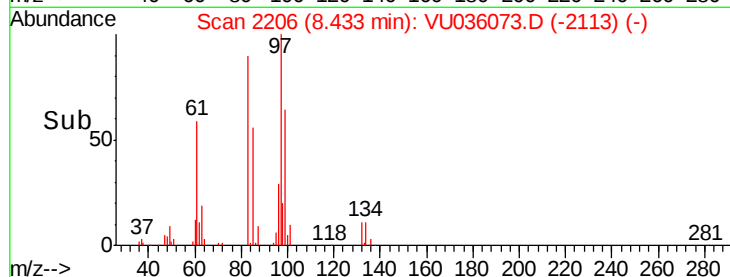
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

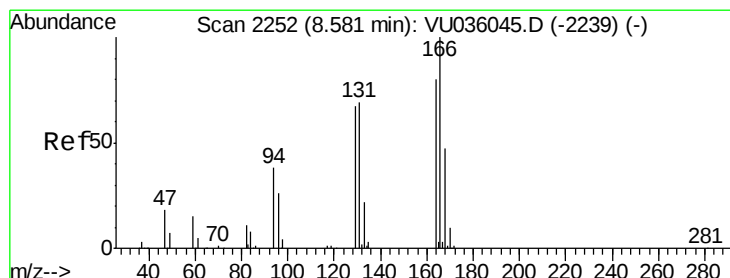
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->

8.35 8.40 8.45 8.50



#47

Tetrachloroethene

Concen: 5.229 ug/L

RT: 8.58 min Scan# 2253

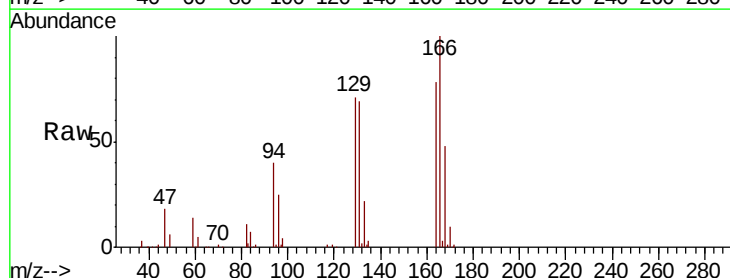
Delta R.T. 0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Tgt Ion: 164 Resp: 97487

Ion	Ratio	Lower	Upper
164	100		
129	91.4	63.1	117.3
131	88.3	61.5	114.1
166	127.9	91.0	169.0



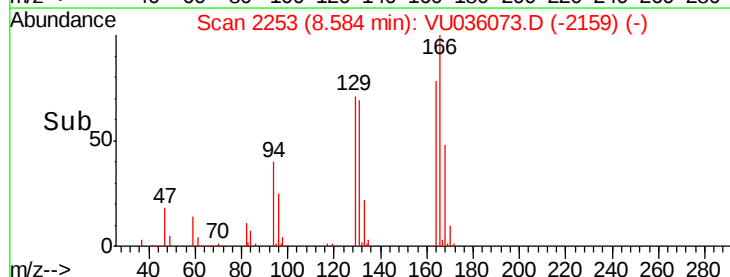
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

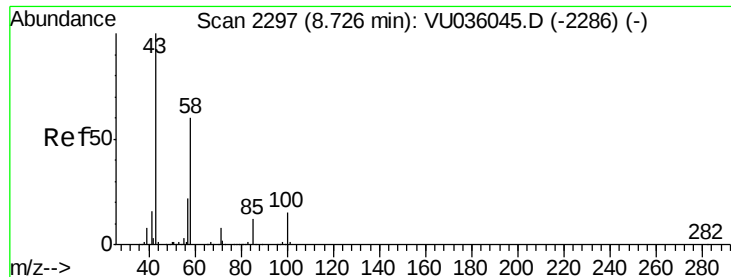
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Time-->

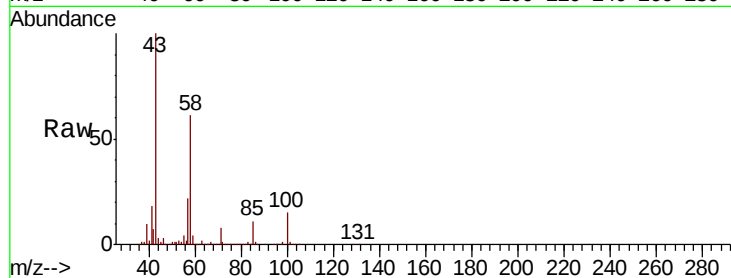
8.50 8.55 8.60 8.65



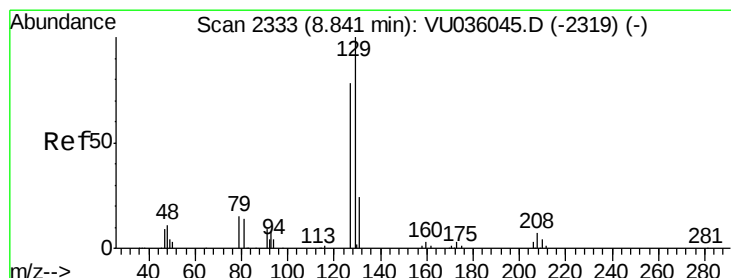
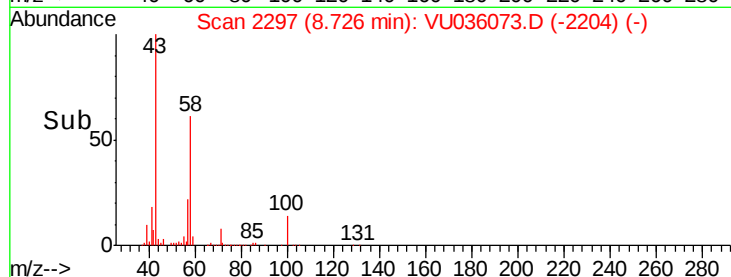
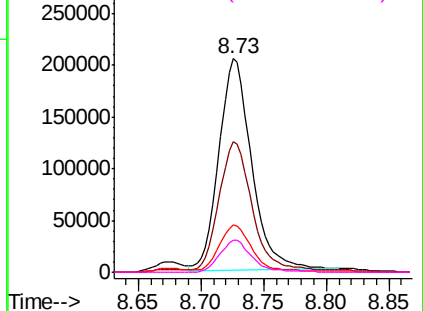
#48
2-Hexanone
Concen: 53.724 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	372966
Ion	Ratio	Lower	Upper
43	100		
58	64.4	46.9	70.3
57	22.0	16.4	24.6
100	14.8	11.0	16.4

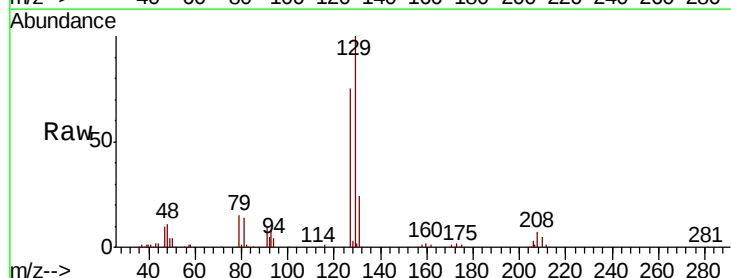


Abundance Ion 43.05 (42.75 to 43.75): VU036073.D (-2297) (-)
Ion 58.05 (57.75 to 58.75): VU036073.D (-2297) (-)
Ion 57.20 (56.90 to 57.90): VU036073.D (-2297) (-)
Ion 100.15 (99.85 to 100.85): VU036073.D (-2297) (-)

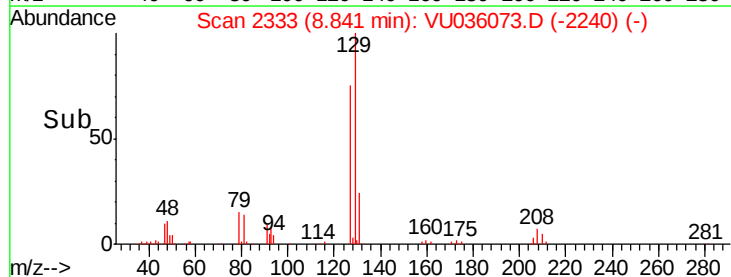
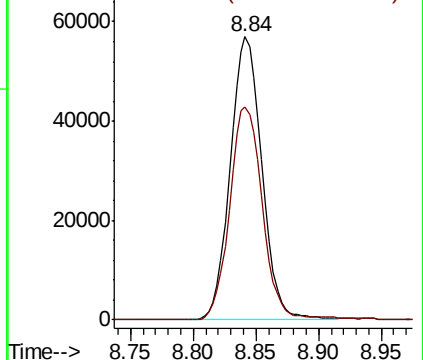


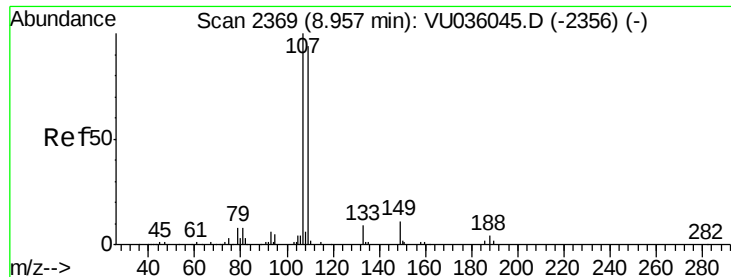
#49
Dibromochloromethane
Concen: 5.157 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

Tgt Ion:	129	Resp:	99850
Ion	Ratio	Lower	Upper
129	100		
127	75.4	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): VU036073.D (-2333) (-)
Ion 126.90 (126.60 to 127.60): VU036073.D (-2333) (-)

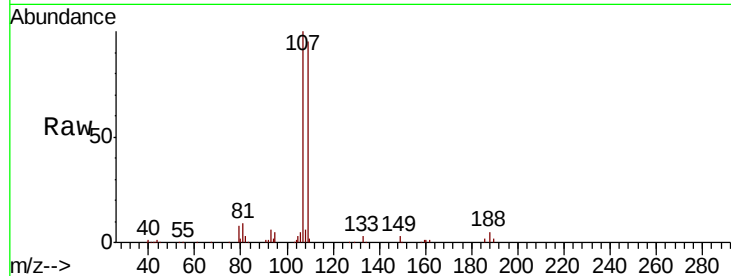




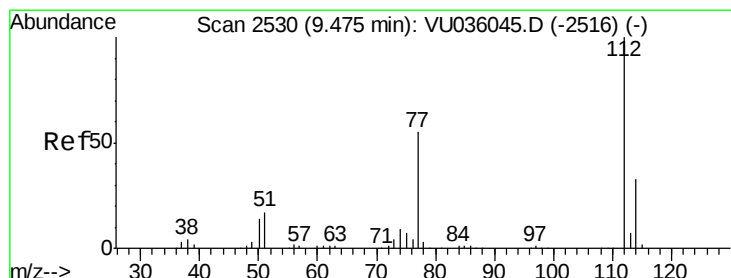
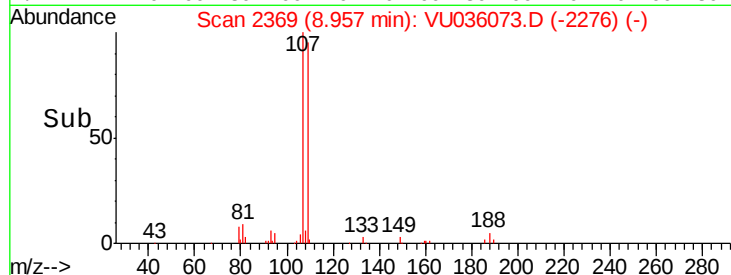
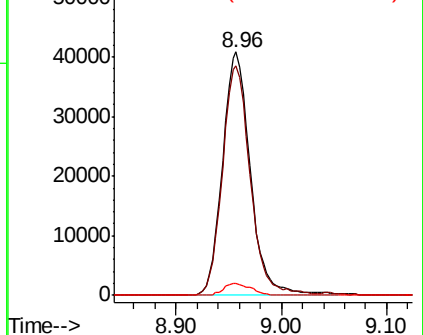
#50
1,2-Dibromoethane
Concen: 5.300 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 74754
Ion Ratio Lower Upper
107 100
109 94.5 64.3 119.3
188 4.7 3.6 5.4

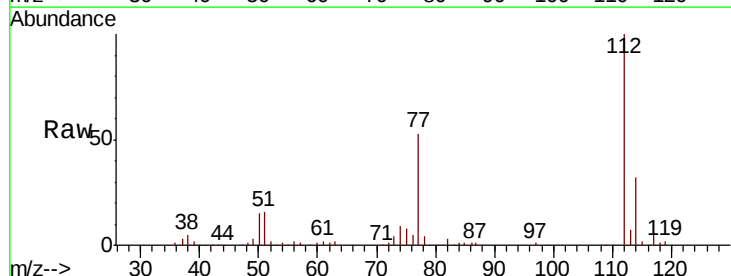


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

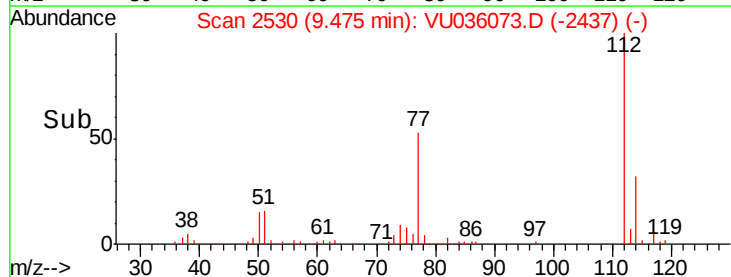
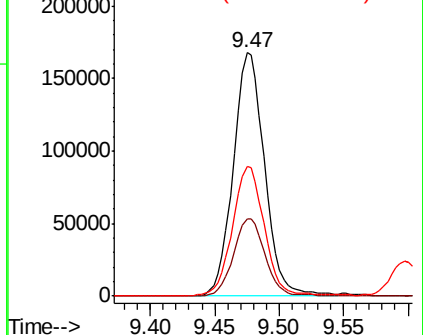


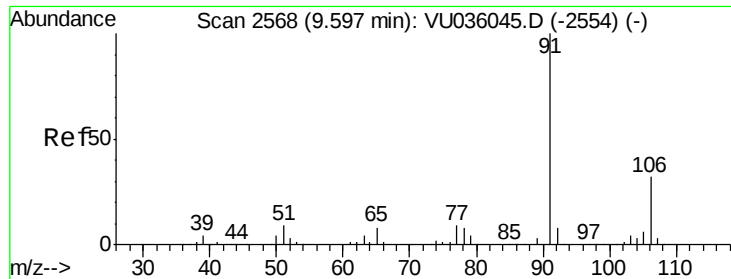
#51
Chlorobenzene
Concen: 5.146 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

Tgt Ion:112 Resp: 284093
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.5
77 53.1 43.8 65.8



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

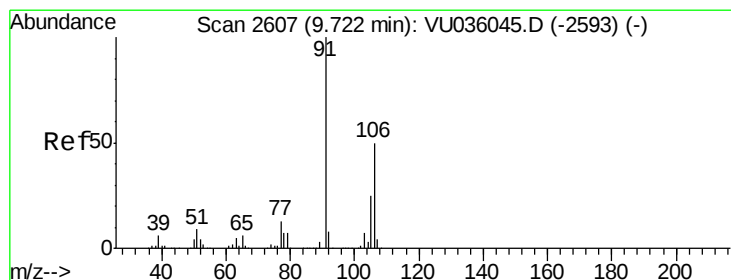
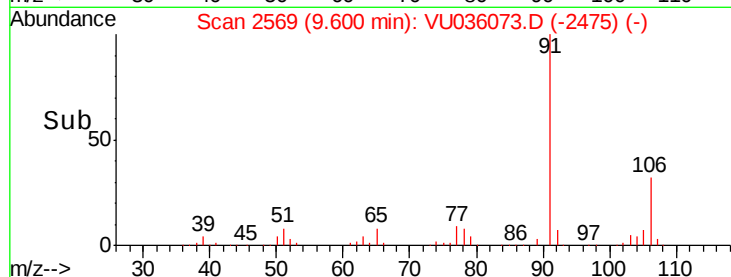
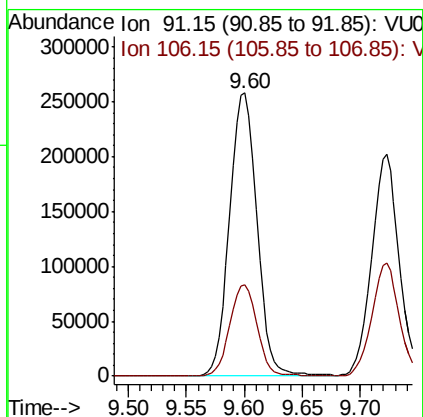
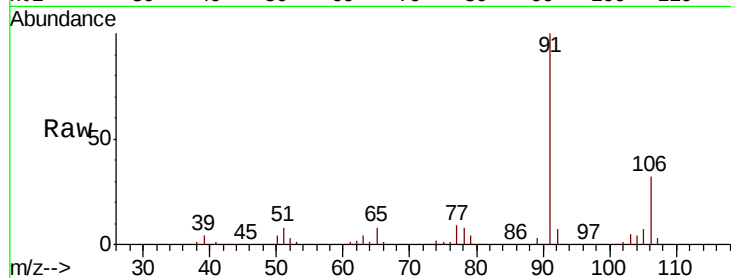




#52
Ethylbenzene
Concen: 5.113 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

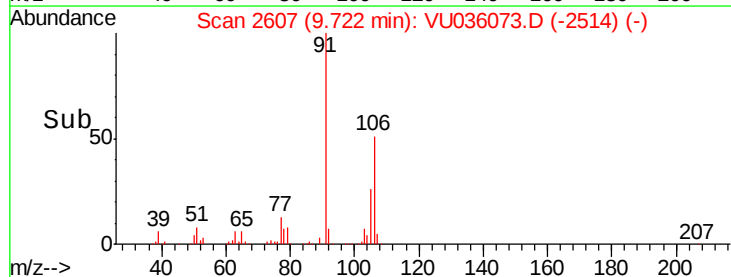
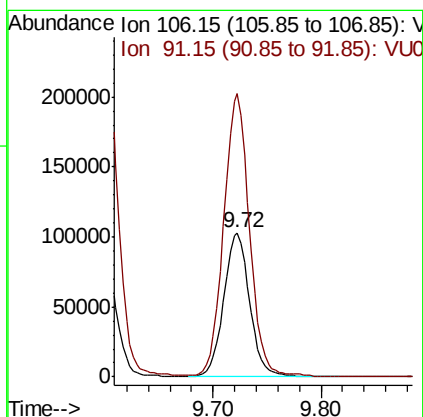
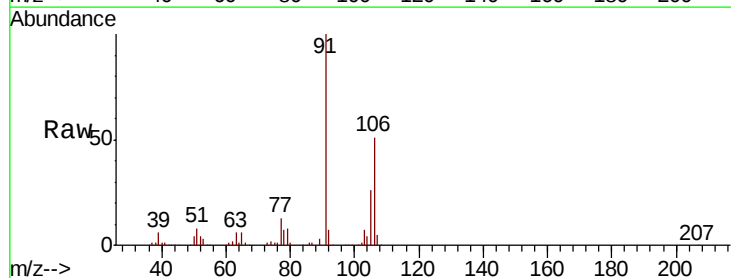
Instrument :
MSVOA_U
ClientSampleId :

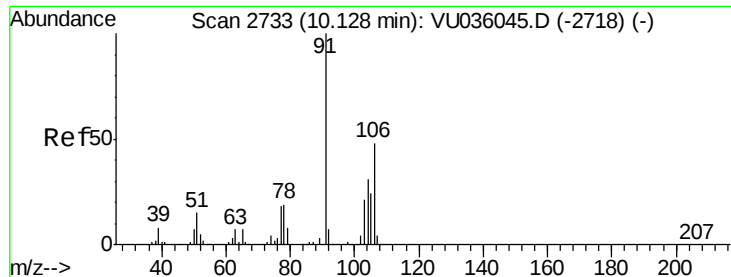
Tot Ion: 91 Resp: 424314
Ion Ratio Lower Upper
91 100
106 32.4 22.0 41.0



#53
m,p-Xylene
Concen: 5.225 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU036073.D
Acq: 10 Dec 2019 09:59

Tgt Ion: 106 Resp: 172648
Ion Ratio Lower Upper
106 100
91 196.0 136.9 254.3





#54

o-Xylene

Concen: 5.286 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

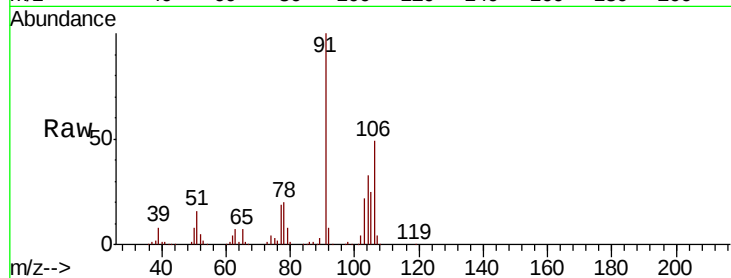
ClientSampleId :

Tot Ion:106 Resp: 164040

Ion Ratio Lower Upper

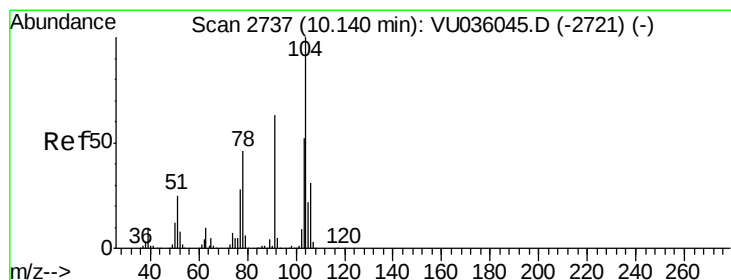
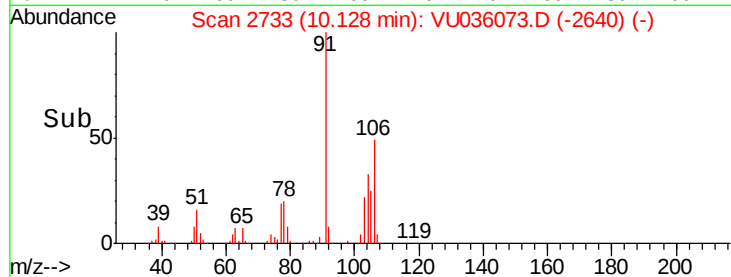
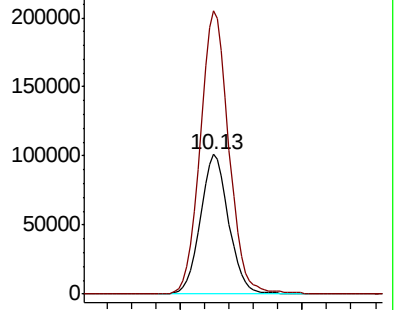
106 100

91 202.6 140.6 261.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.320 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036073.D

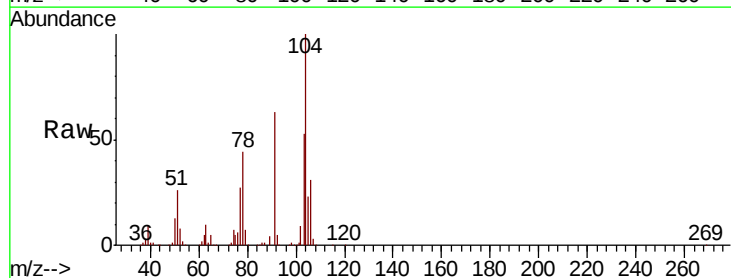
Acq: 10 Dec 2019 09:59

Tgt Ion:104 Resp: 283094

Ion Ratio Lower Upper

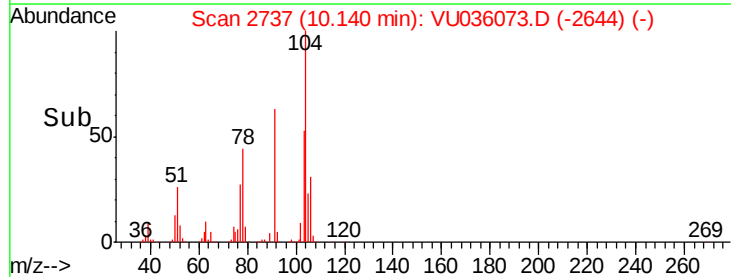
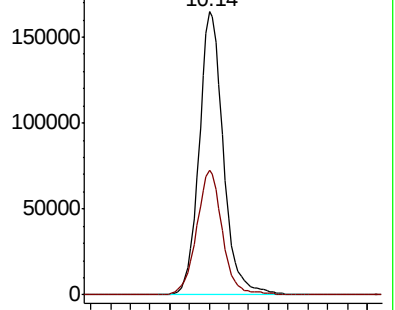
104 100

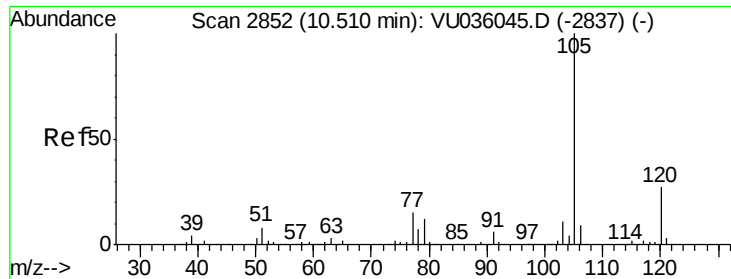
78 43.9 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.172 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

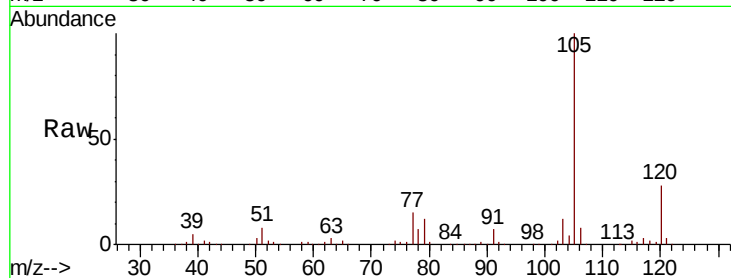
Tot Ion:105 Resp: 423416

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

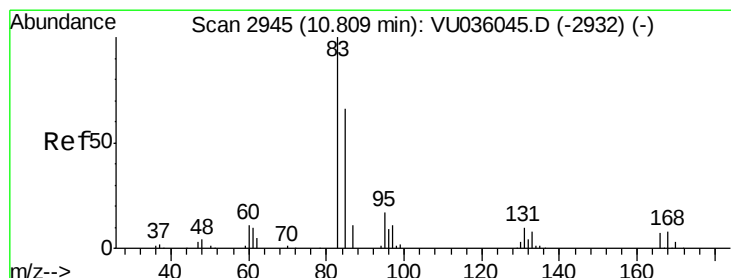
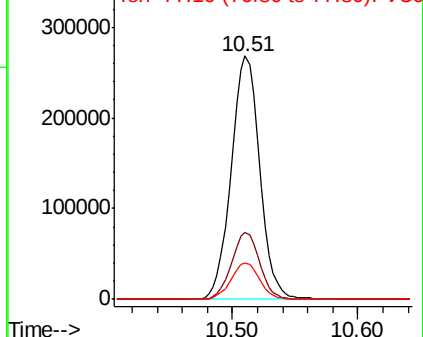
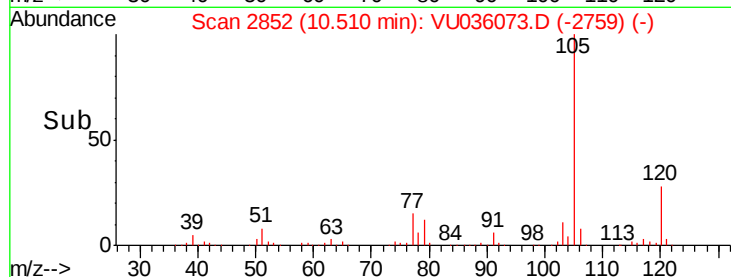
77 15.1 12.3 18.5



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: 4.954 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

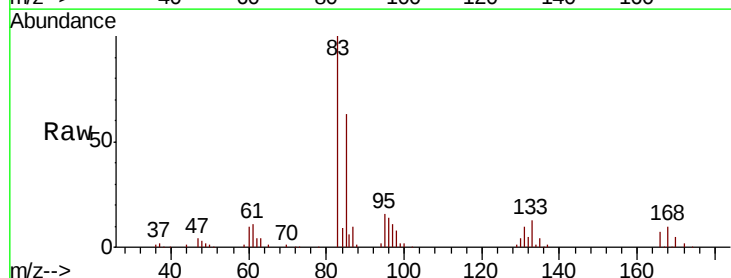
Tgt Ion: 83 Resp: 95528

Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.2

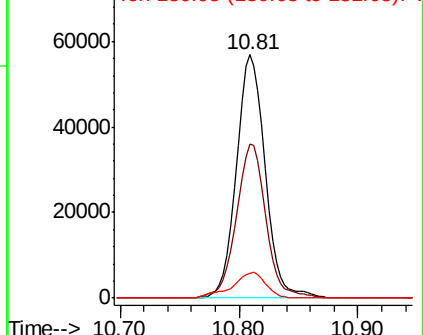
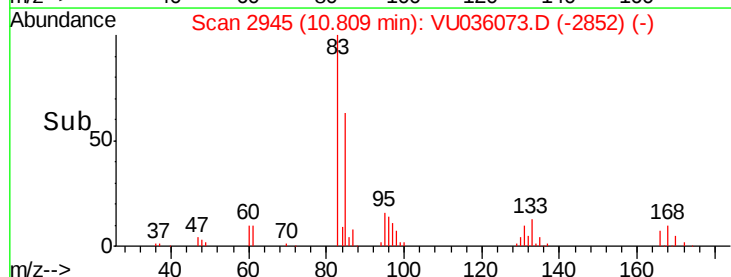
131 10.4 9.0 13.4

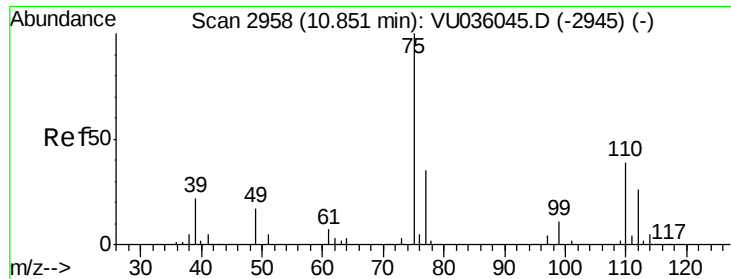


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

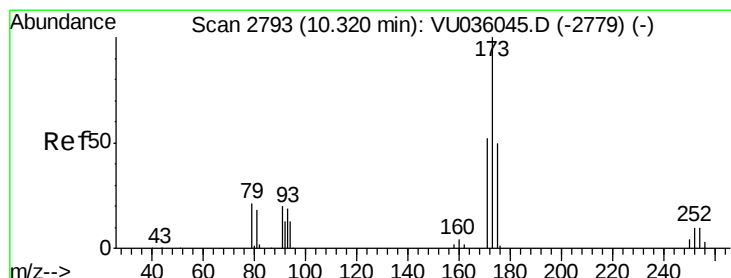
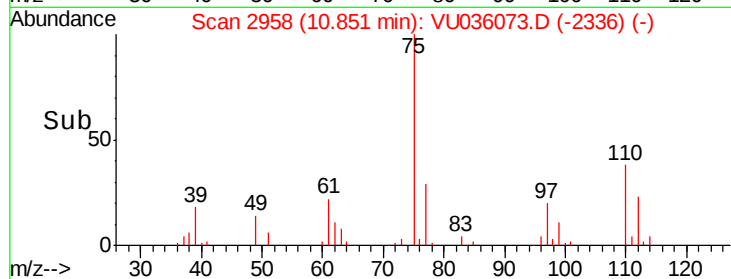
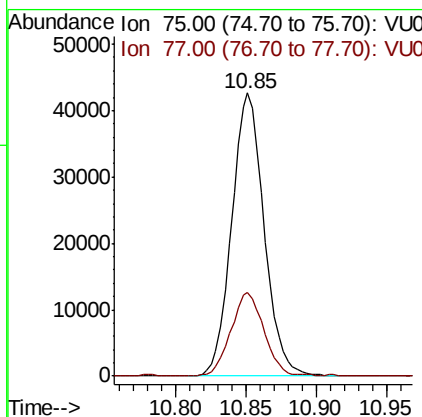
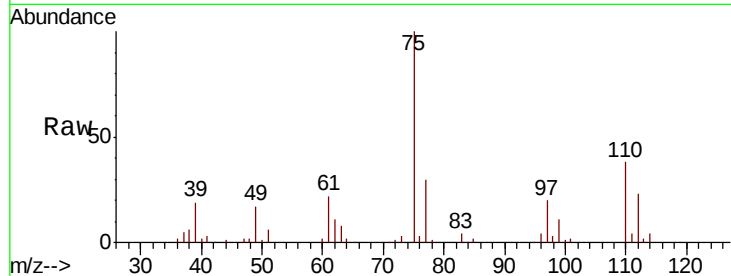




#59
 1,2,3-Trichloropropane
 Concen: 5.170 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

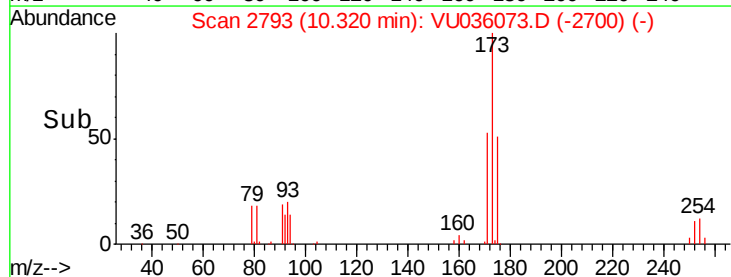
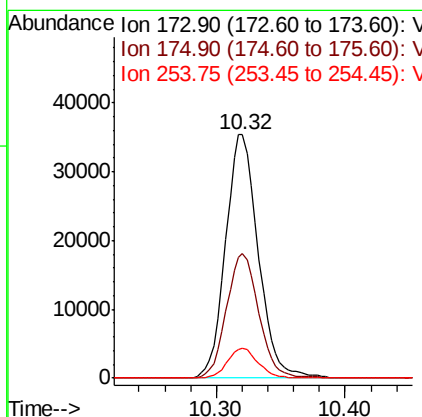
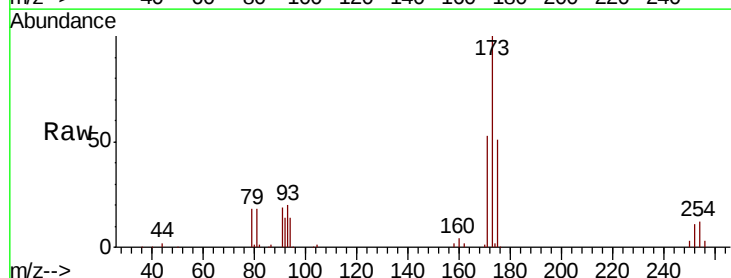
Instrument :
 MSVOA_U
 ClientSampleId :

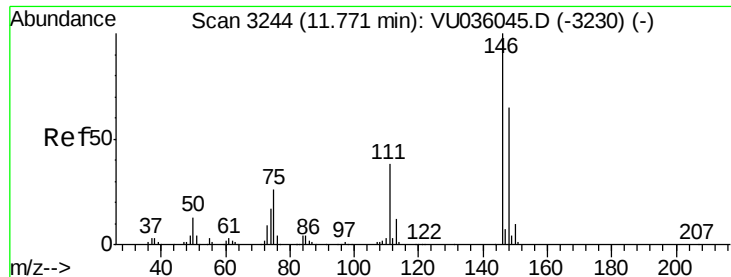
Tot Ion: 75 Resp: 68464
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.7 40.1



#61
 Bromoform
 Concen: 4.497 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Tgt Ion: 173 Resp: 62260
 Ion Ratio Lower Upper
 173 100
 175 50.1 39.4 59.0
 254 11.3 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 5.173 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU036073.D

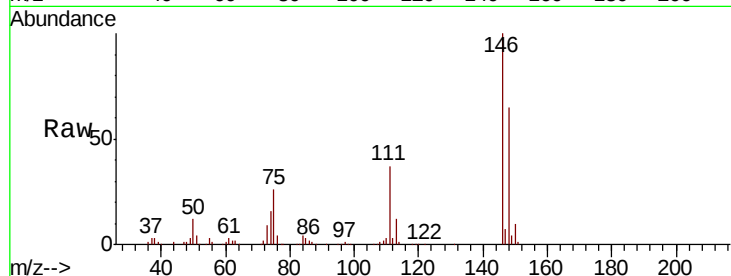
Acq: 10 Dec 2019 09:59

Instrument :

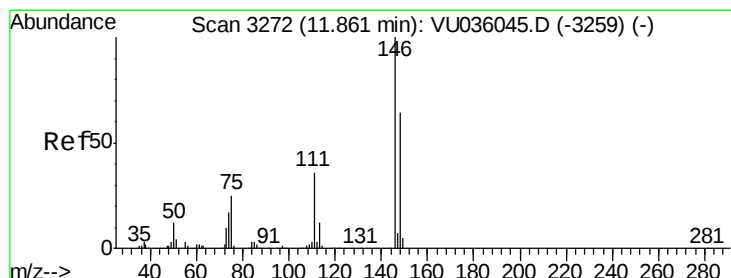
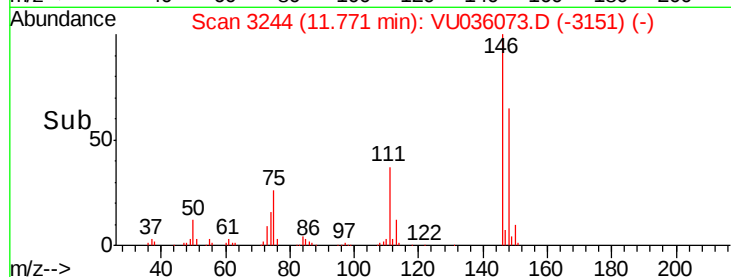
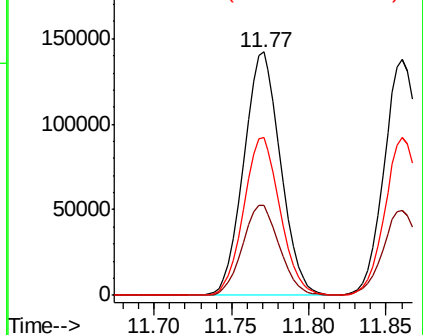
MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	235396
Ion	Ratio	Lower Upper
146	100	
111	36.8	26.0 48.2
148	65.0	43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.062 ug/L

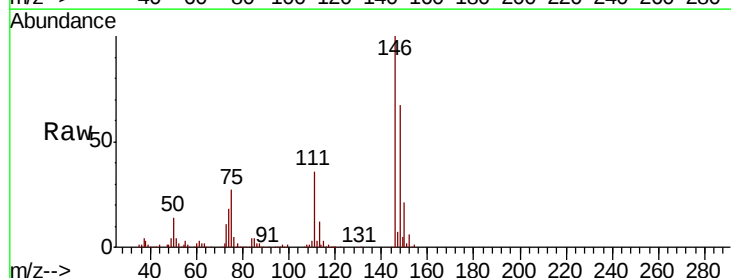
RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

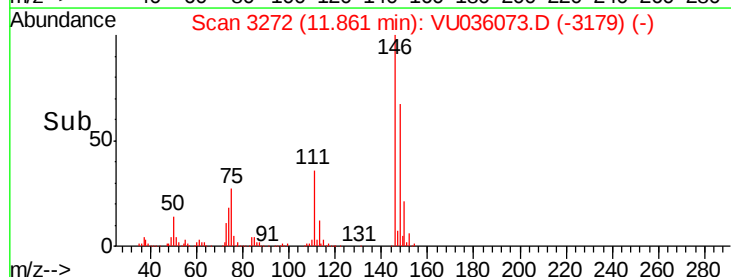
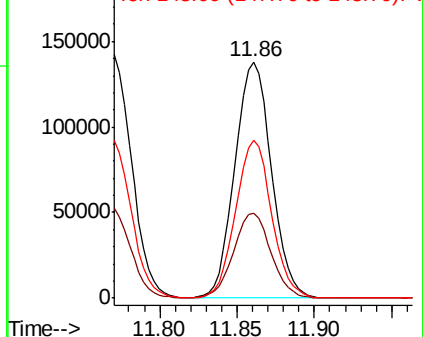
Lab File: VU036073.D

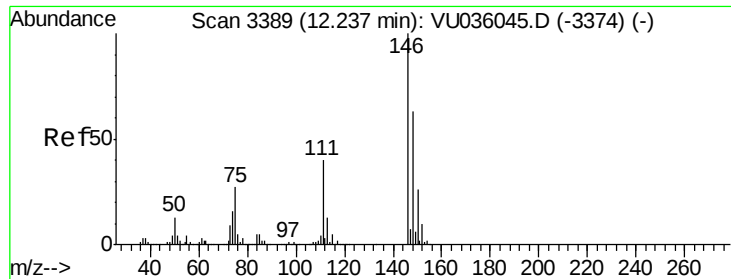
Acq: 10 Dec 2019 09:59

Tgt Ion:146	Resp:	226939
Ion	Ratio	Lower Upper
146	100	
111	36.0	26.2 48.6
148	66.8	44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.924 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

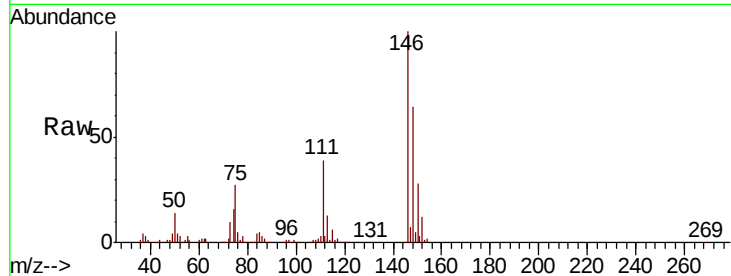
Tot Ion:146 Resp: 221413

Ion Ratio Lower Upper

146 100

111 39.2 31.3 46.9

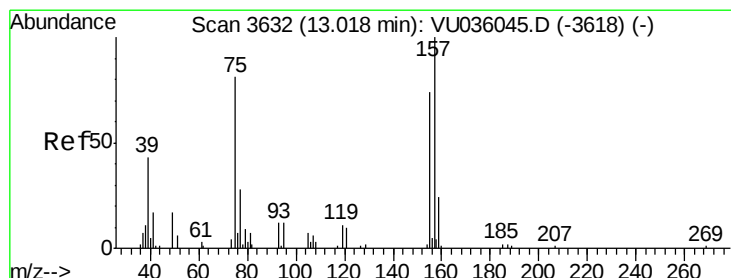
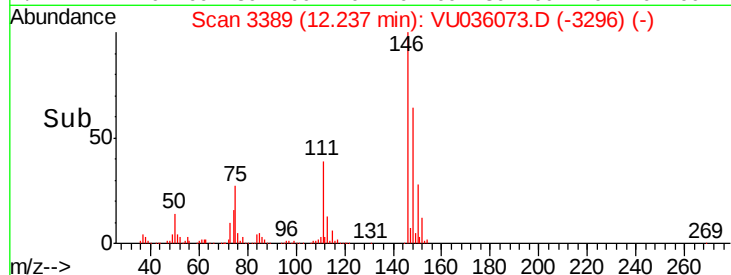
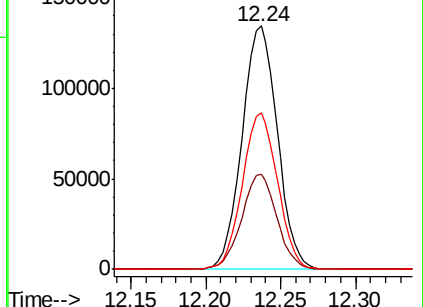
148 64.3 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.504 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

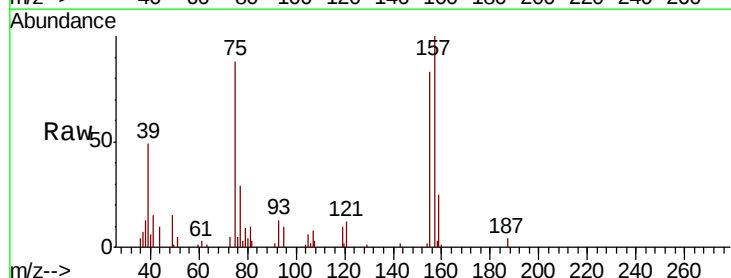
Tgt Ion: 75 Resp: 12724

Ion Ratio Lower Upper

75 100

155 94.7 70.0 105.0

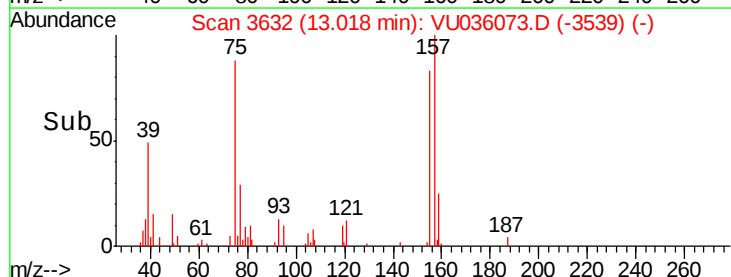
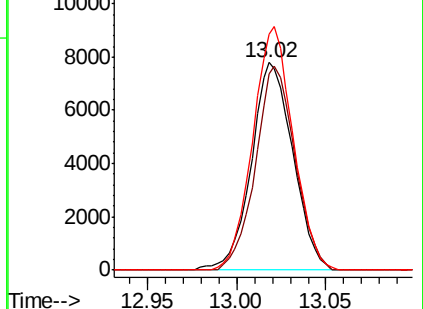
157 114.1 90.5 135.7

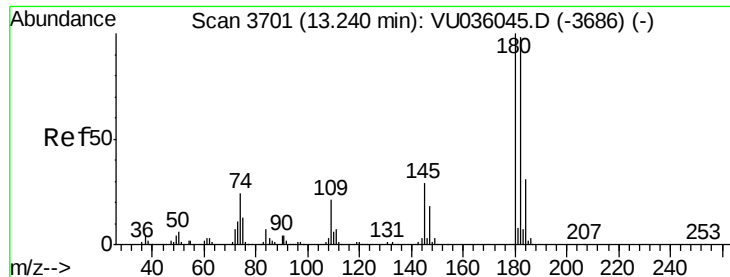


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

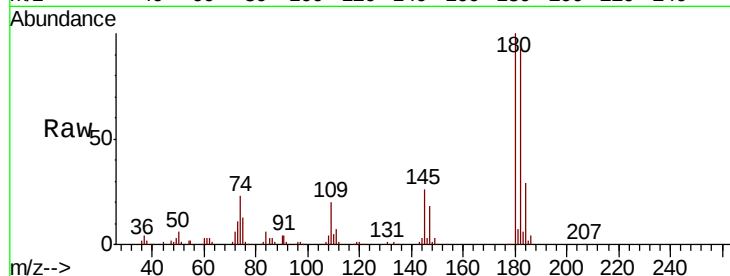




#67
 1,3,5-Trichlorobenzene
 Concen: 5.281 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.2	112.8
184	29.6	24.2	36.2
145	26.6	21.7	32.5



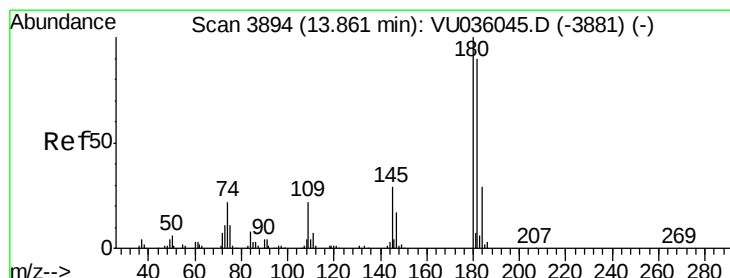
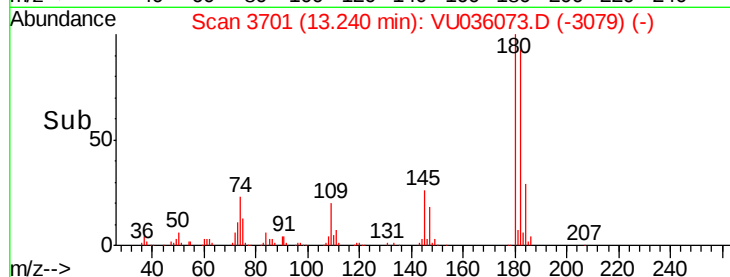
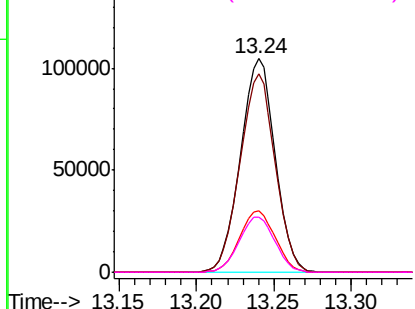
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

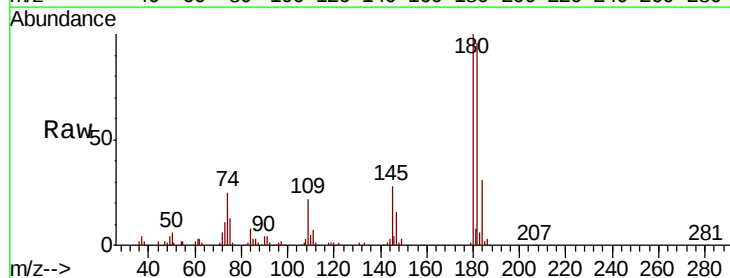
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.169 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036073.D
 Acq: 10 Dec 2019 09:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	74.3	111.5
145	28.1	22.1	33.1

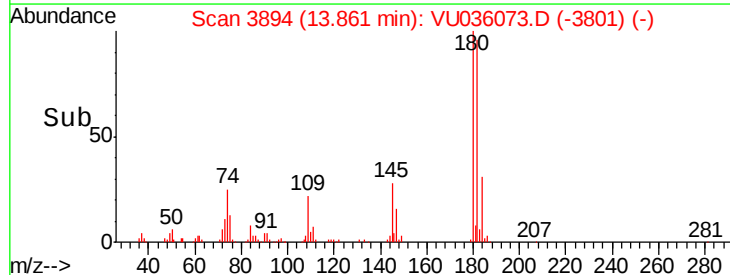
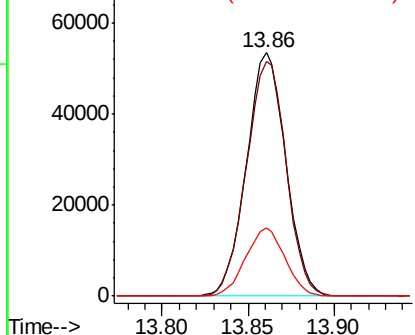


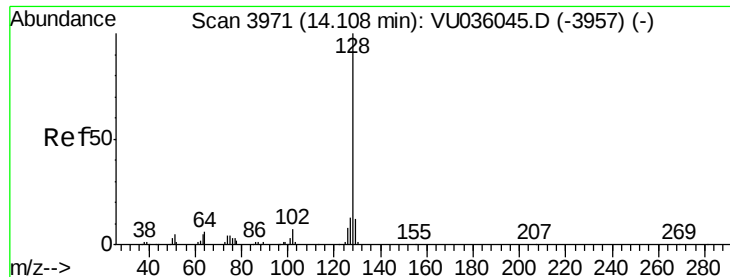
Abundance

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: 4.383 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

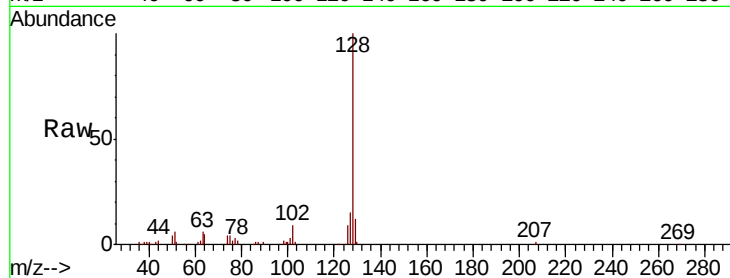
Tot Ion:128 Resp: 69059

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

127 14.8 11.1 16.7

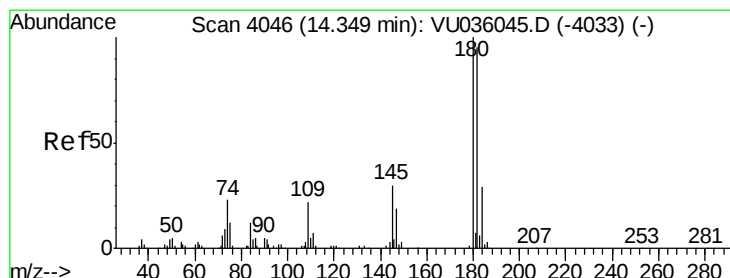
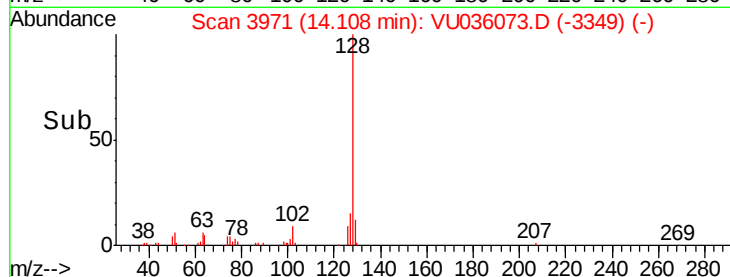
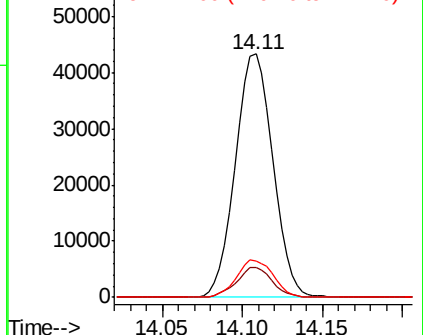


Abundance

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: 5.233 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036073.D

Acq: 10 Dec 2019 09:59

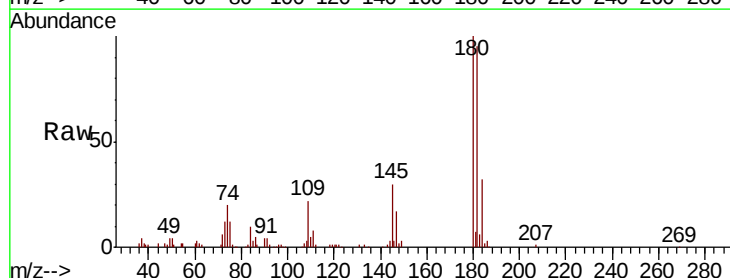
Tgt Ion:180 Resp: 82151

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 30.5 23.5 35.3



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

