

Data File : VU036036.D
Acq On : 06 Dec 2019 20:41
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Quant Time: Dec 06 22:38:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	314839	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	319689	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	161204	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	143530	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.93	69	147169	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.59	63	216269	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	4.69	46	301497	47.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.88%
24) Chloroform-d	5.11	84	227482	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.75	65	115992	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.77	84	456071	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.73	67	133306	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.93	98	439163	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	8.21	79	58655	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.67	63	262178	53.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	124228	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	157632	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	166033	5.093 ug/L	98
3) Chloromethane	1.54	50	159791	4.291 ug/L	100
5) Vinyl chloride	1.62	62	164510	4.374 ug/L	99
6) Bromomethane	1.87	94	117783	5.462 ug/L	99
8) Chloroethane	1.95	64	120751	5.178 ug/L	99
9) Trichlorofluoromethane	2.16	101	265707	6.017 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	119989	4.959 ug/L	93
12) 1,1-Dichloroethene	2.60	96	113472	5.029 ug/L	92
13) Acetone	2.68	43	202582	35.257 ug/L	97
14) Carbon disulfide	2.82	76	368357	4.661 ug/L	100
15) Methyl Acetate	3.00	43	49404	4.797 ug/L	99
16) Methylene chloride	3.08	84	134246	3.841 ug/L	90
17) Methyl tert-butyl Ether	3.42	73	259480	4.909 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	115222	4.823 ug/L	91
19) 1,1-Dichloroethane	3.92	63	213169	4.564 ug/L	98
21) 2-Butanone	4.77	43	333151	45.166 ug/L	91
22) cis-1,2-Dichloroethene	4.72	96	126298	5.004 ug/L	89

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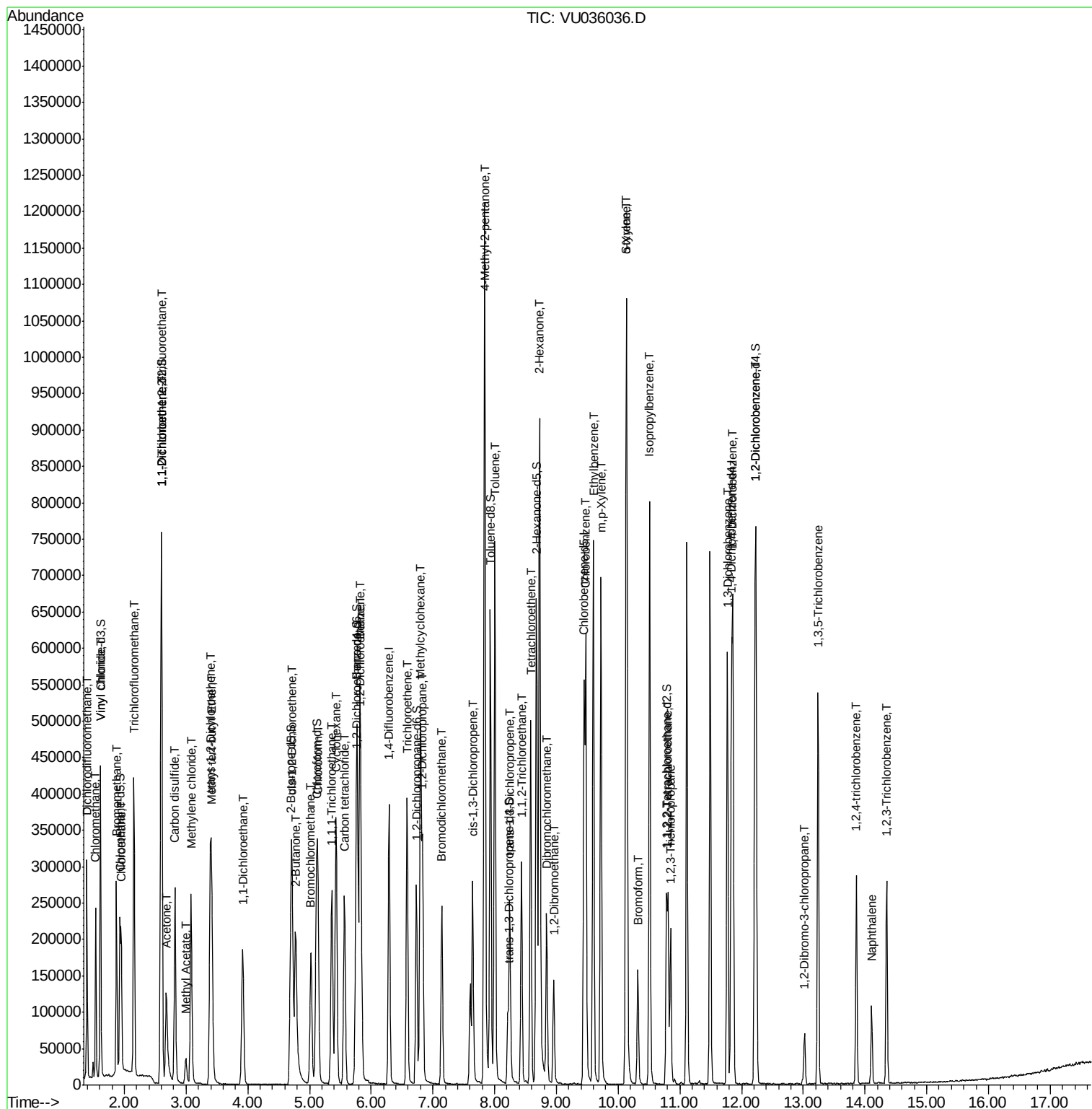
23) Bromochloromethane	5.02	128	63876	5.528	ug/L #	84
25) Chloroform	5.13	83	230358	4.888	ug/L	99
27) 1,2-Dichloroethane	5.84	62	139957	4.646	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	195338	5.052	ug/L	96
30) Cyclohexane	5.43	56	168712	4.418	ug/L	92
31) Carbon tetrachloride	5.57	117	175958	5.133	ug/L	100
33) Benzene	5.82	78	500557	4.979	ug/L	100
34) Trichloroethene	6.58	95	130973	5.152	ug/L	91
35) Methylcyclohexane	6.80	83	181748	4.768	ug/L	94
37) 1,2-Dichloropropane	6.83	63	124454	4.572	ug/L	100
38) Bromodichloromethane	7.14	83	160399	4.923	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	170360	4.717	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	767852	47.993	ug/L	96
42) Toluene	8.00	91	550475	5.242	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	148263	4.801	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	98353	5.307	ug/L	95
47) Tetrachloroethene	8.58	164	120358	5.825	ug/L	95
48) 2-Hexanone	8.73	43	585340	49.529	ug/L #	95
49) Dibromochloromethane	8.84	129	121182	5.362	ug/L	96
50) 1,2-Dibromoethane	8.96	107	94267	5.242	ug/L	95
51) Chlorobenzene	9.48	112	338807	5.167	ug/L	98
52) Ethylbenzene	9.60	91	525801	4.953	ug/L	97
53) m,p-Xylene	9.72	106	205352	5.125	ug/L	94
54) o-Xylene	10.13	106	200732	5.338	ug/L	93
55) Styrene	10.14	104	342993	5.424	ug/L	98
56) Isopropylbenzene	10.51	105	512420	5.198	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	122730	4.935	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	93144	5.264	ug/L	97
61) Bromoform	10.32	173	74064	4.974	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	263598	4.916	ug/L	95
63) 1,4-Dichlorobenzene	11.86	146	266359	5.005	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	255845	4.993	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	17448	4.371	ug/L #	74
67) 1,3,5-Trichlorobenzene	13.24	180	179215	4.897	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	92997	4.742	ug/L	98
69) Naphthalene	14.11	128	87225	3.906	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	91410	4.707	ug/L	98

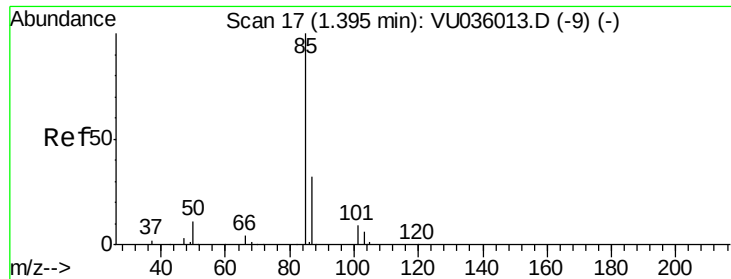
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.093 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

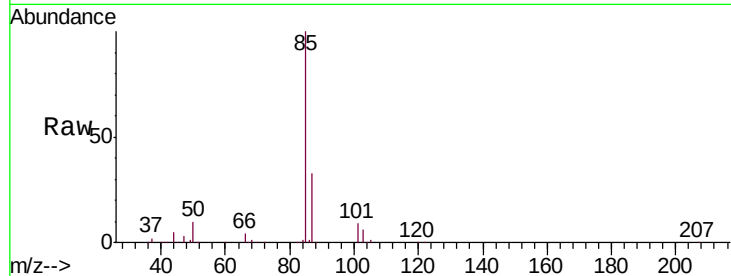
VSTD00525

Tgt Ion: 85 Resp: 166033

Ion Ratio Lower Upper

85 100

87 33.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU036036.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036036.D (-9) (-)

1.39

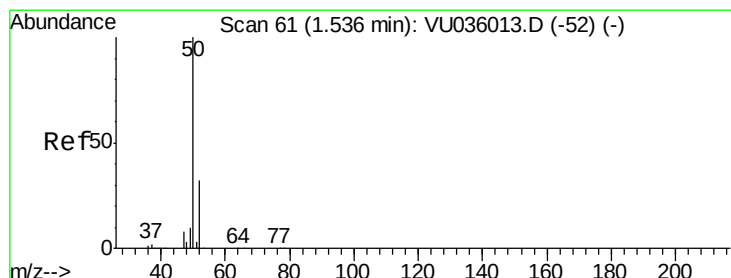
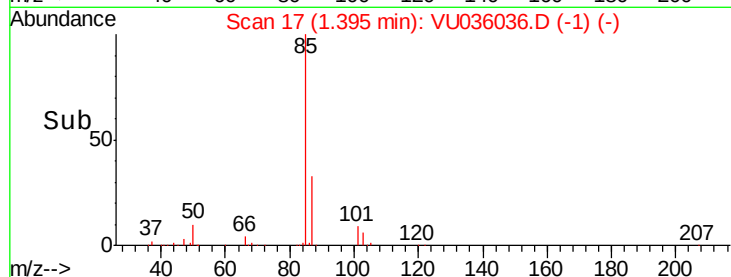
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.291 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036036.D

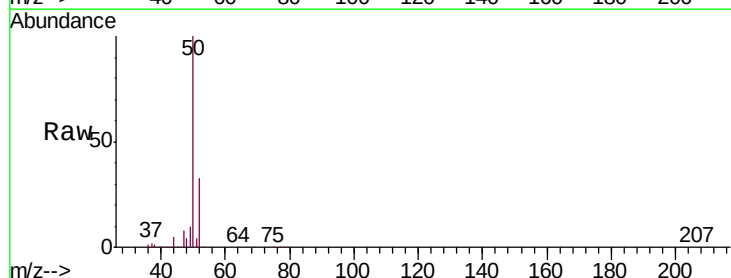
Acq: 06 Dec 2019 20:41

Tgt Ion: 50 Resp: 159791

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036036.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036036.D (-52) (-)

1.54

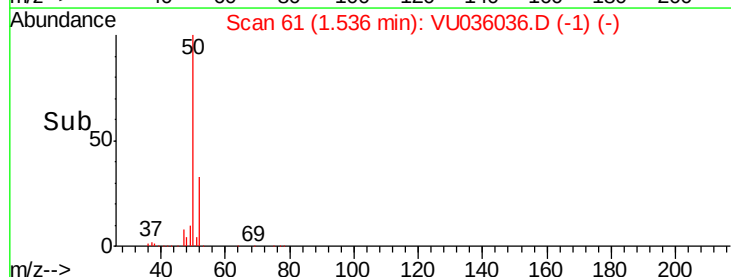
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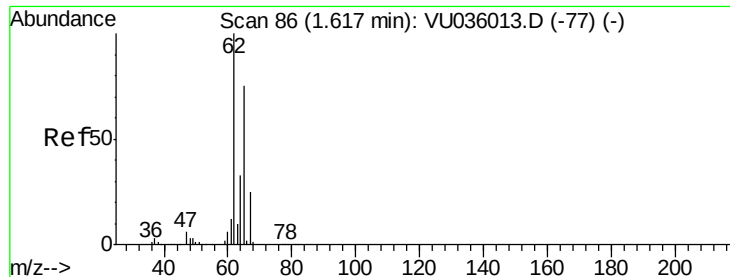
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.374 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

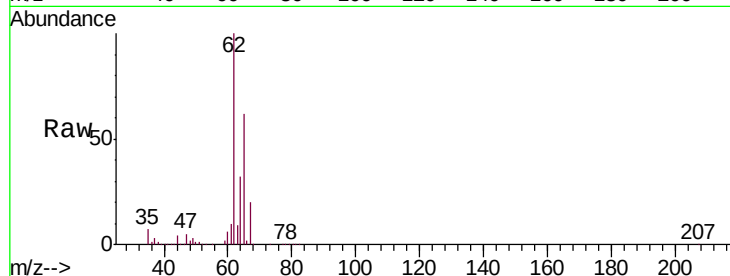
VSTD00525

Tgt Ion: 62 Resp: 164510

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU036036.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036036.D (-77) (-)

1.62

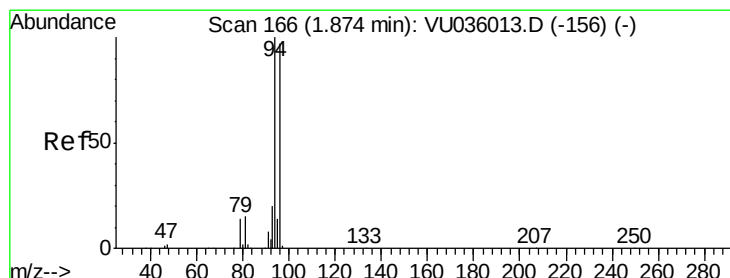
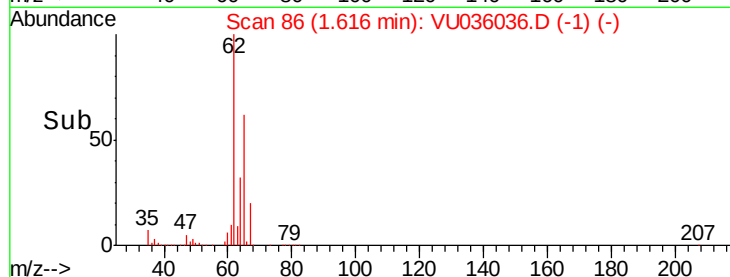
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.462 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036036.D

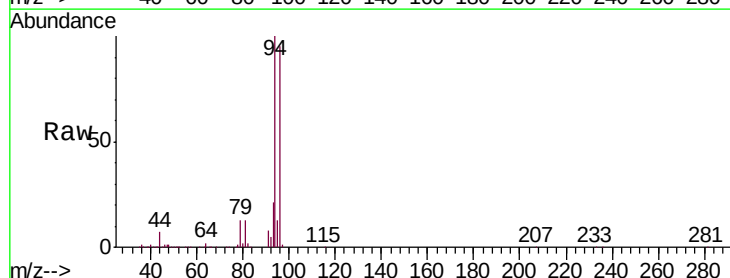
Acq: 06 Dec 2019 20:41

Tgt Ion: 94 Resp: 117783

Ion Ratio Lower Upper

94 100

96 95.2 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU036036.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036036.D (-156) (-)

1.87

100000

80000

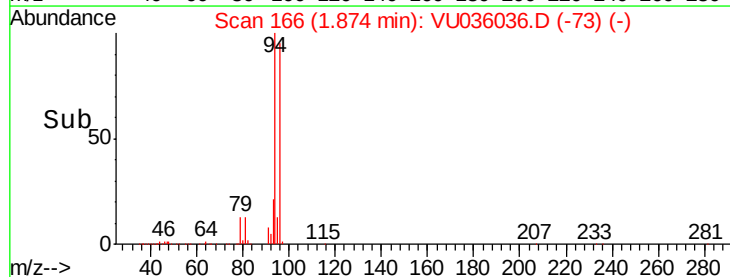
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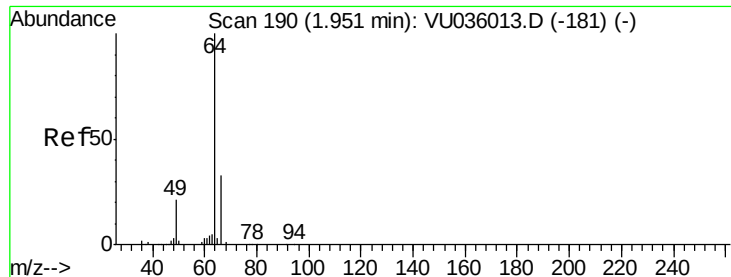
40000

20000

0

Time-->





#8

Chloroethane

Concen: 5.178 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

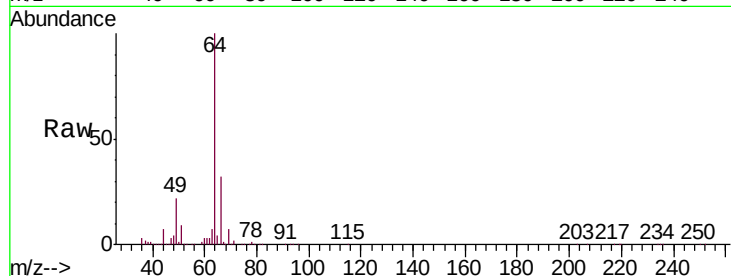
VSTD00525

Tgt Ion: 64 Resp: 120751

Ion Ratio Lower Upper

64 100

66 31.7 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU036036.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU036036.D (-181) (-)

1.95

100000

80000

60000

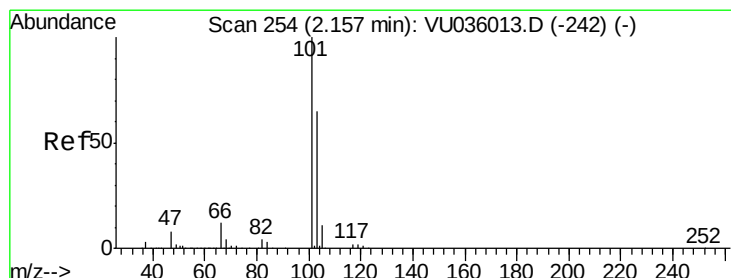
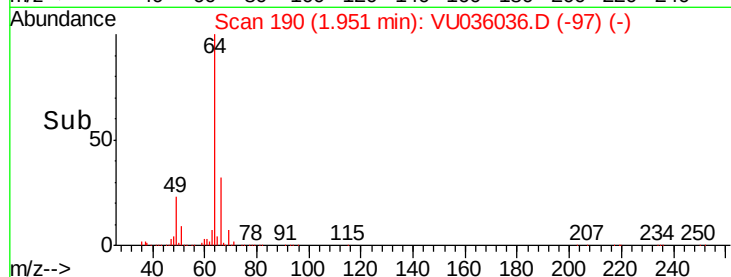
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 6.017 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036036.D

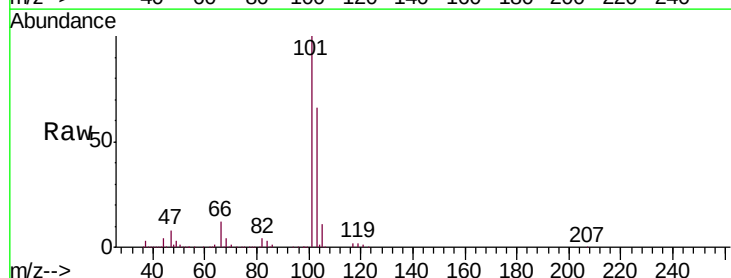
Acq: 06 Dec 2019 20:41

Tgt Ion: 101 Resp: 265707

Ion Ratio Lower Upper

101 100

103 64.1 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU036036.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU036036.D (-161) (-)

2.16

200000

150000

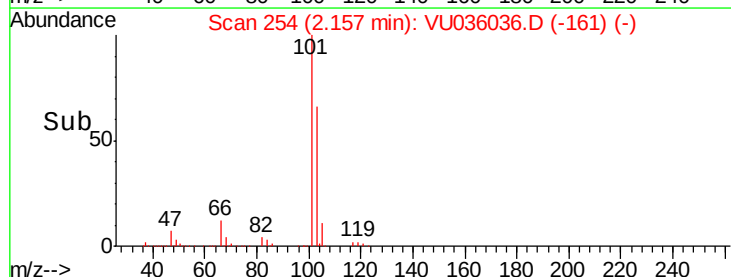
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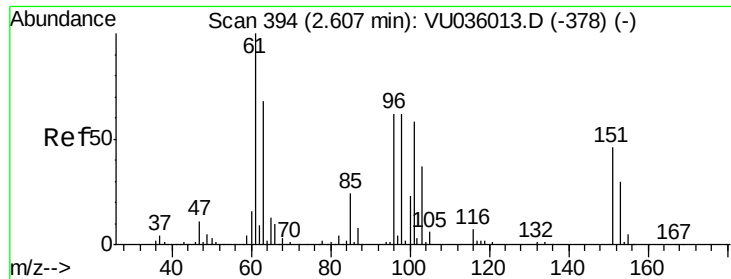
50000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 4.959 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

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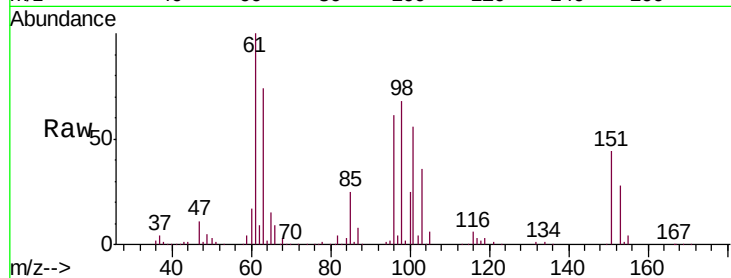
Tgt Ion: 101 Resp: 119989

Ion Ratio Lower Upper

101 100

85 43.0 35.5 53.3

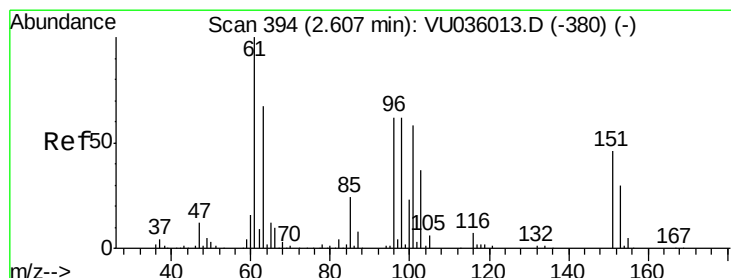
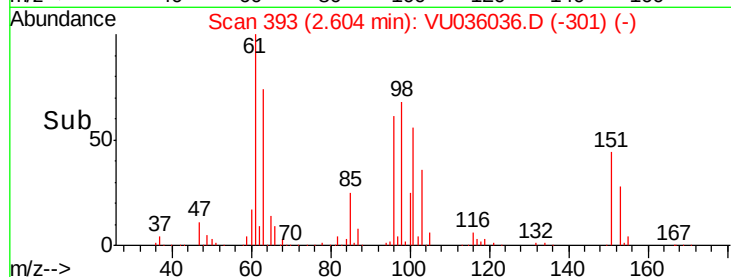
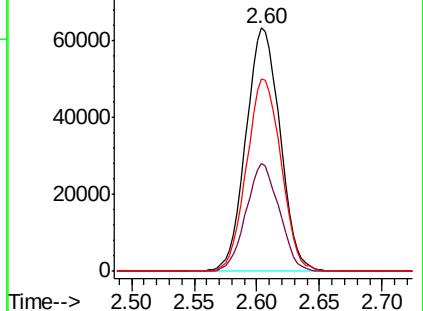
151 79.9 57.5 86.3



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: 5.029 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

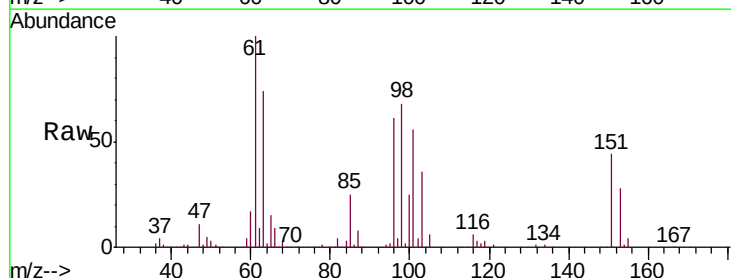
Tgt Ion: 96 Resp: 113472

Ion Ratio Lower Upper

96 100

61 164.1 127.1 236.1

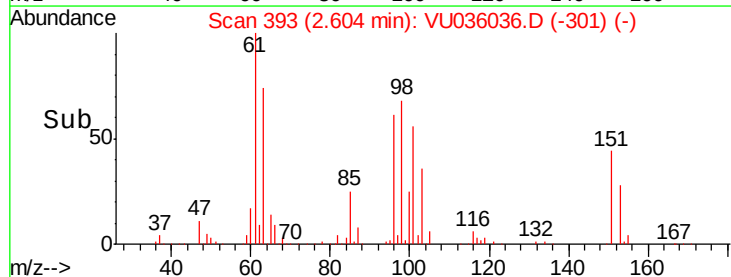
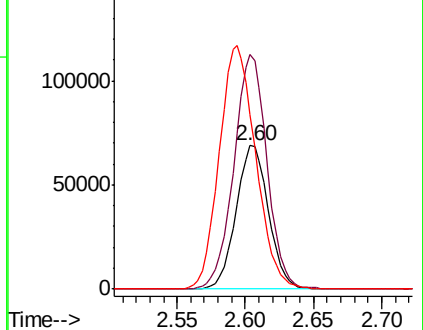
63 121.6 86.0 159.8

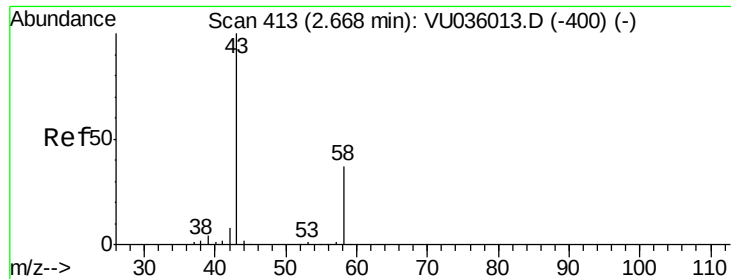


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 35.257 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

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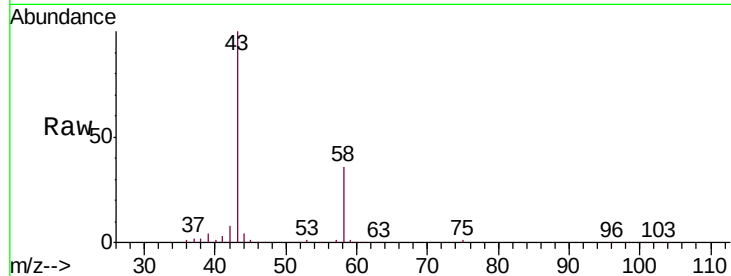
VSTD00525

Tgt Ion: 43 Resp: 202582

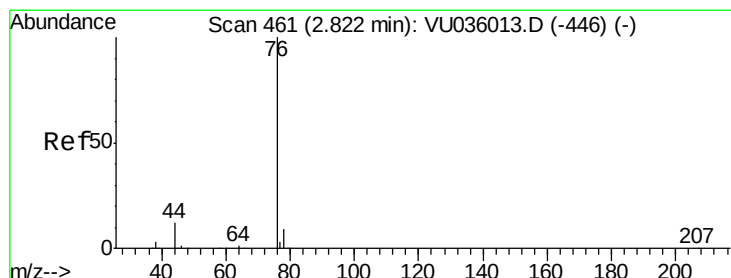
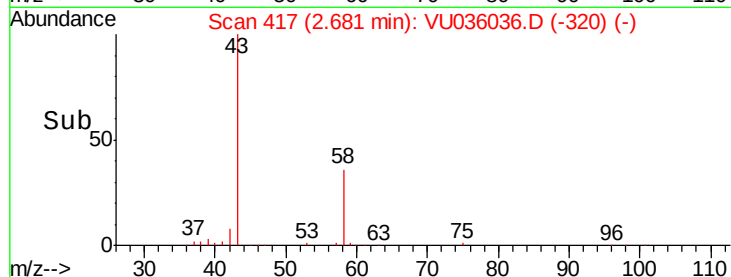
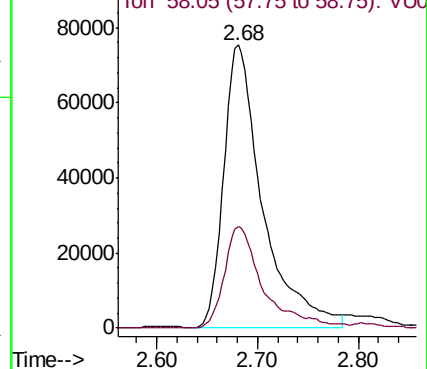
Ion Ratio Lower Upper

43 100

58 36.1 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU036036.D (-320) (-)



#14

Carbon disulfide

Concen: 4.661 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036036.D

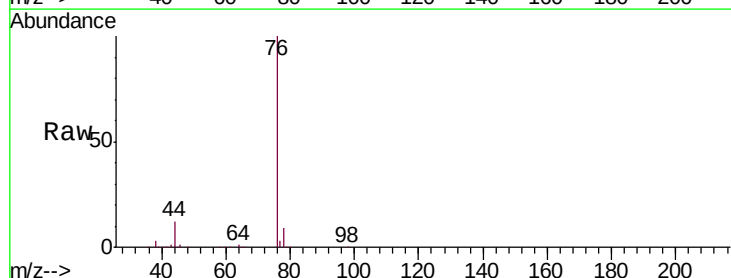
Acq: 06 Dec 2019 20:41

Tgt Ion: 76 Resp: 368357

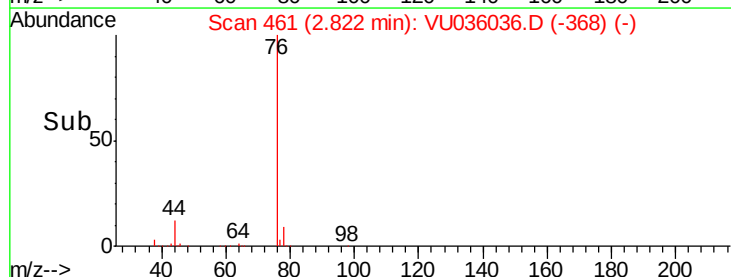
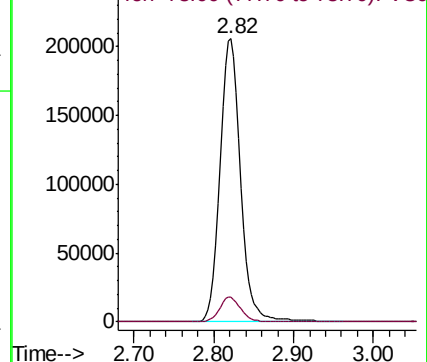
Ion Ratio Lower Upper

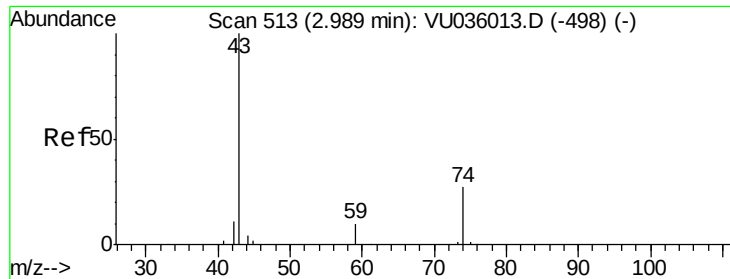
76 100

78 8.8 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU036036.D (-368) (-)

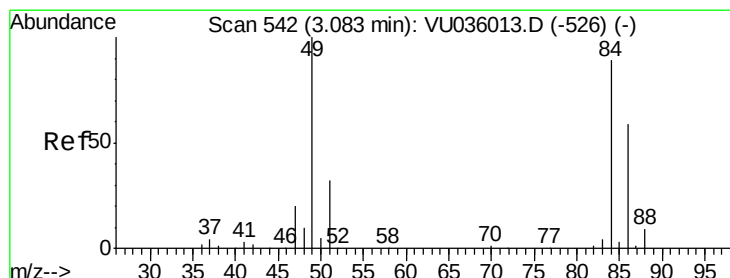
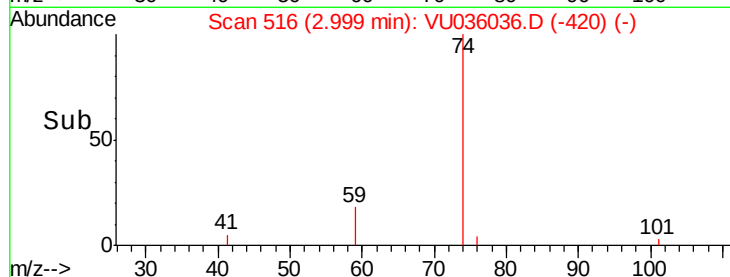
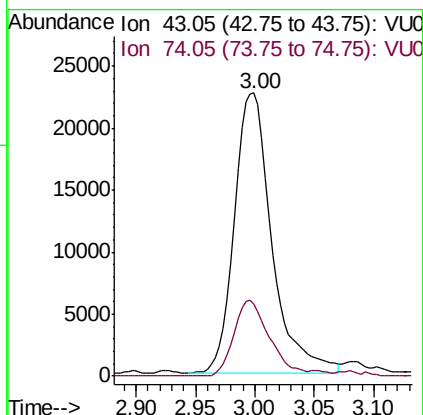
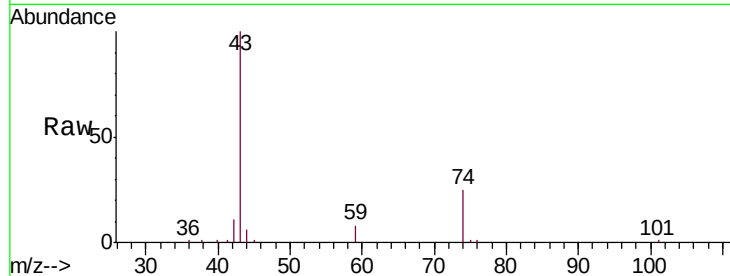




#15
Methyl Acetate
Concen: 4.797 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

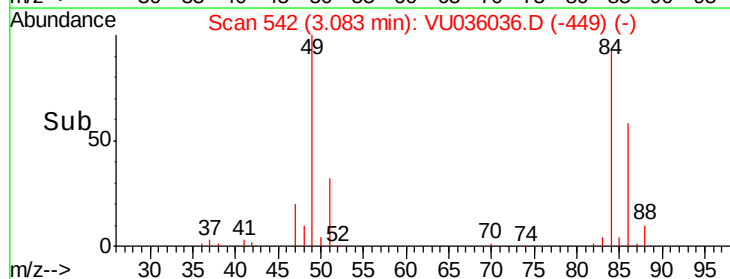
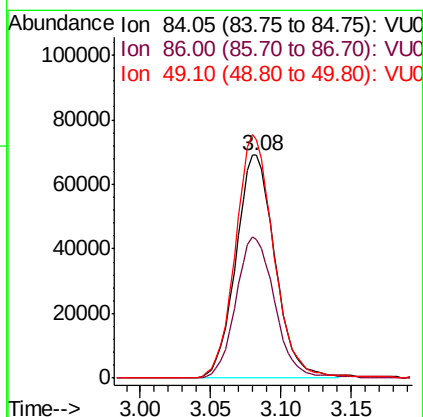
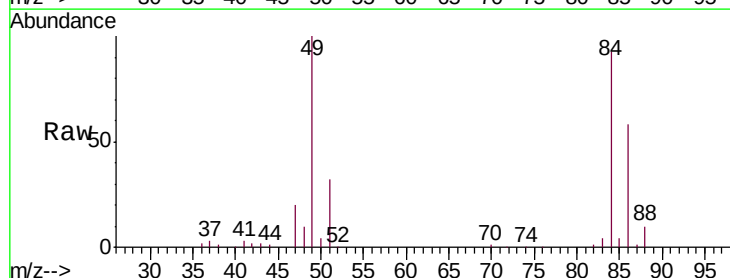
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

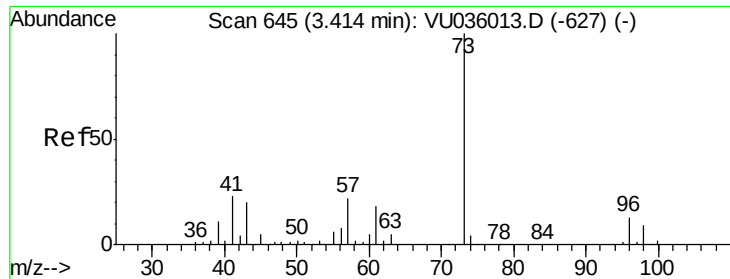
Tgt Ion: 43 Resp: 49404
Ion Ratio Lower Upper
43 100
74 25.6 20.0 30.0



#16
Methylene chloride
Concen: 3.841 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Tgt Ion: 84 Resp: 134246
Ion Ratio Lower Upper
84 100
86 62.3 44.7 82.9
49 107.0 86.2 160.2

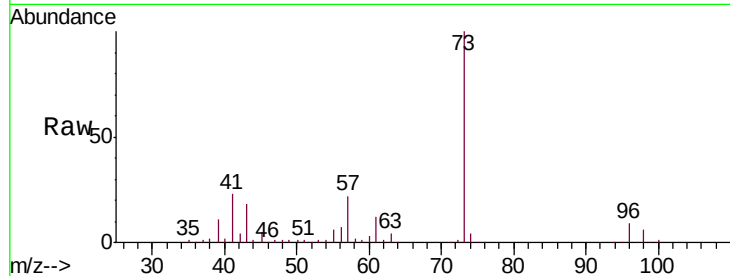




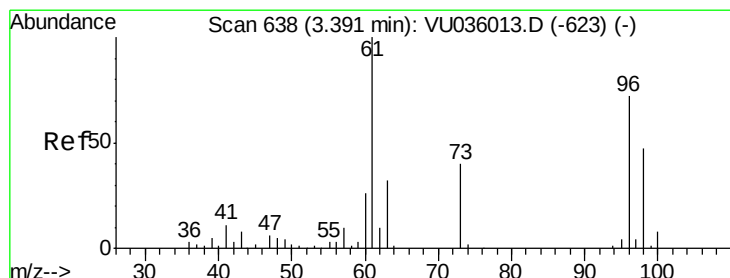
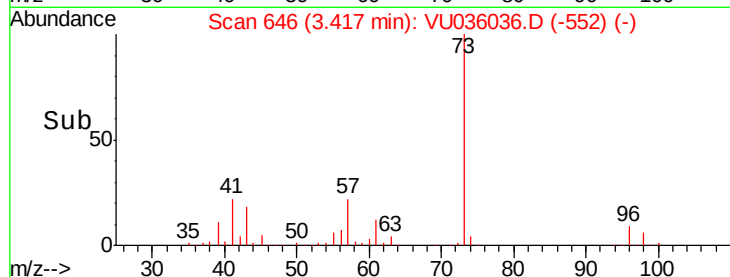
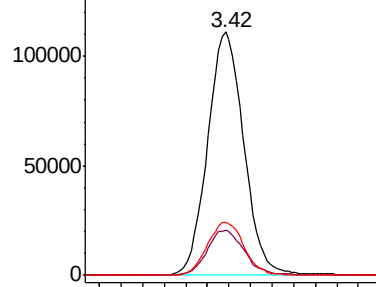
#17
Methyl tert-butyl Ether
Concen: 4.909 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Instrument :
MSVOA_U
ClientSampled :
VSTD00525

Tgt Ion: 73 Resp: 259480
Ion Ratio Lower Upper
73 100
43 19.2 15.9 23.9
57 22.2 18.8 28.2

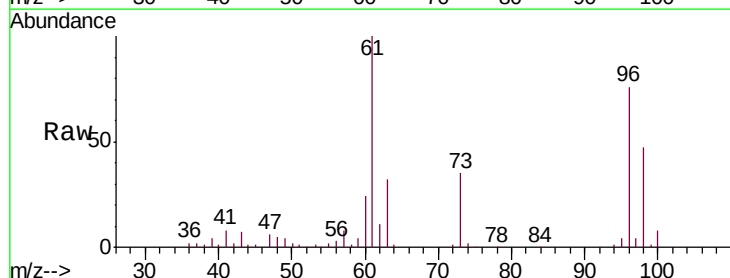


Abundance Ion 73.10 (72.80 to 73.80): VU0
150000
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

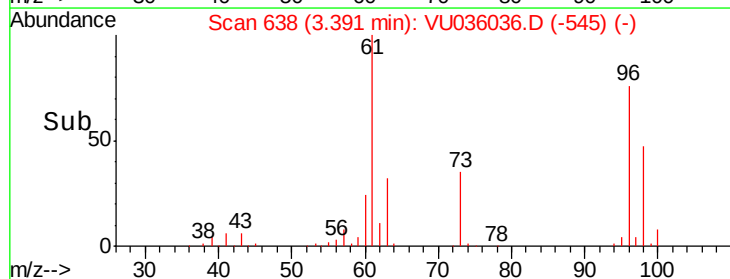
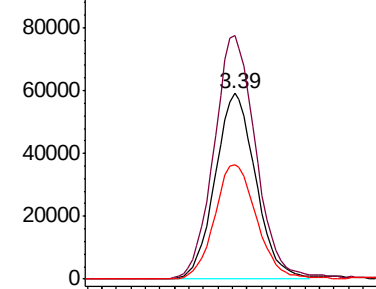


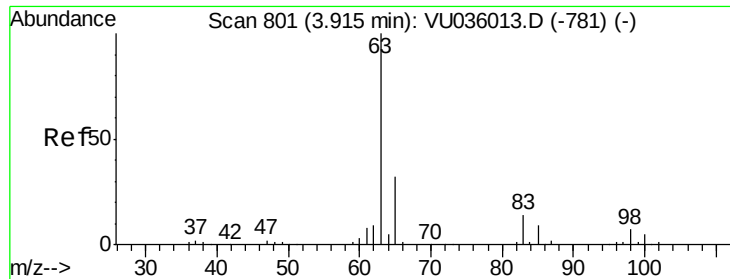
#18
trans-1,2-Dichloroethene
Concen: 4.823 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Tgt Ion: 96 Resp: 115222
Ion Ratio Lower Upper
96 100
61 131.1 101.2 187.8
98 61.5 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
100000
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

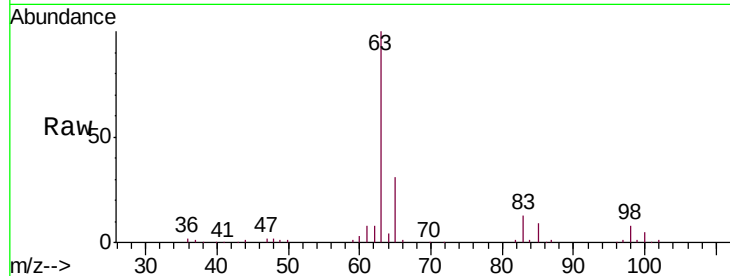




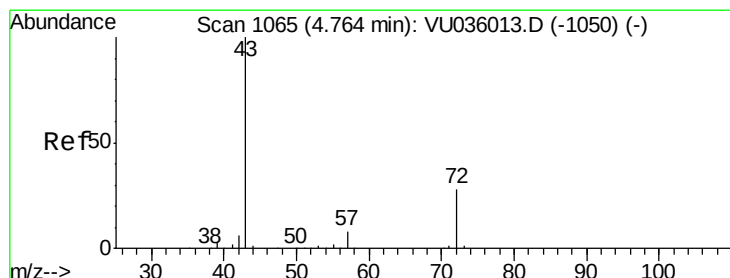
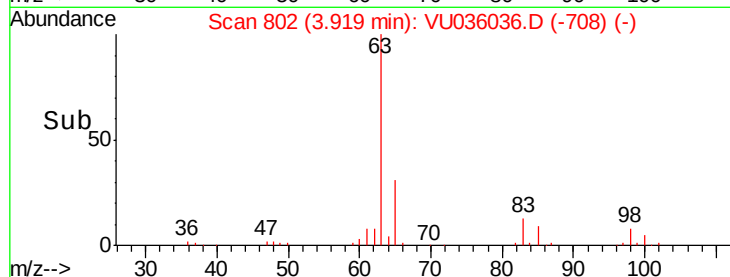
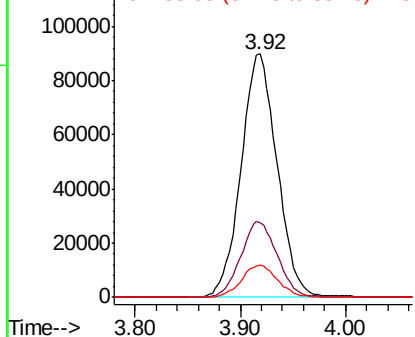
#19
 1,1-Dichloroethane
 Concen: 4.564 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion: 63 Resp: 213169
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.4 41.6
 83 13.1 9.8 18.2

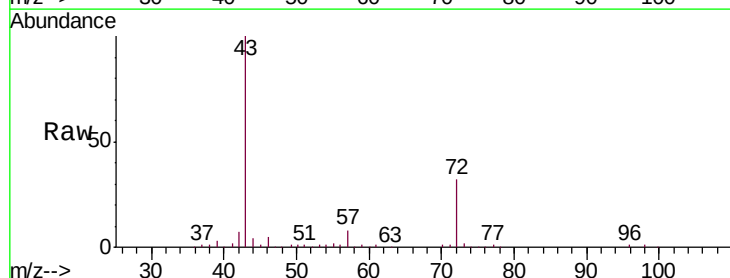


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

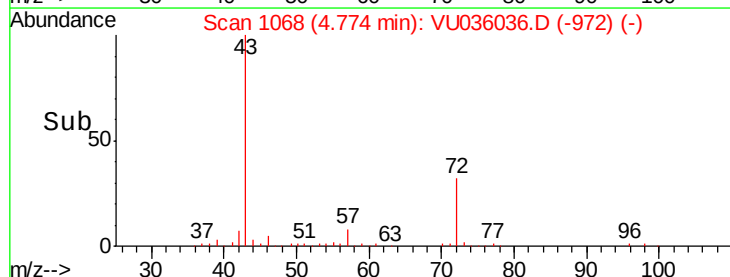
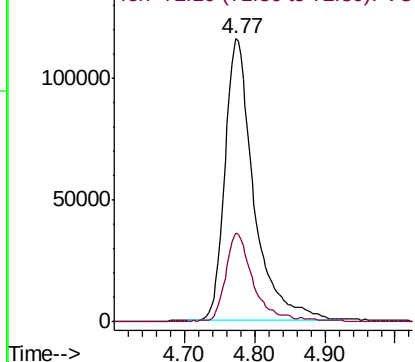


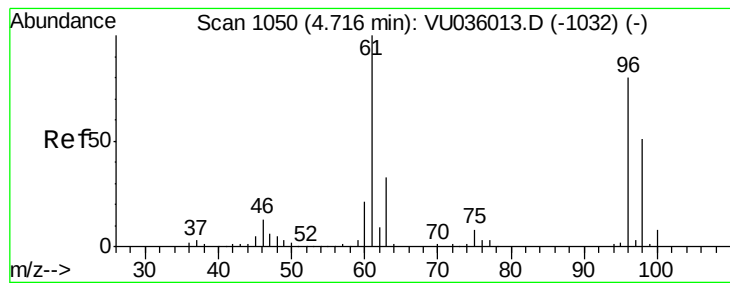
#21
 2-Butanone
 Concen: 45.166 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

Tgt Ion: 43 Resp: 333151
 Ion Ratio Lower Upper
 43 100
 72 29.6 12.6 37.8



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: 5.004 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

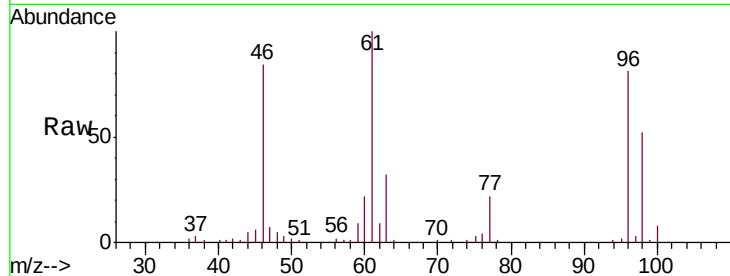
Tgt Ion: 96 Resp: 126298

Ion Ratio Lower Upper

96 100

61 123.7 95.7 177.7

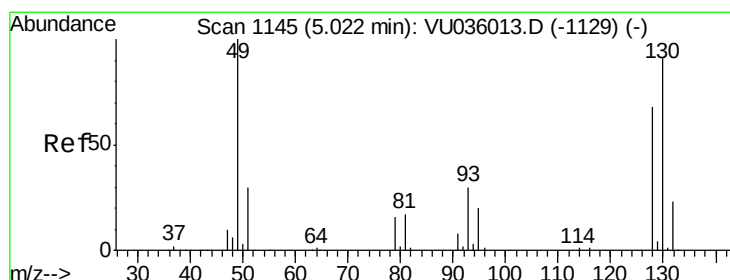
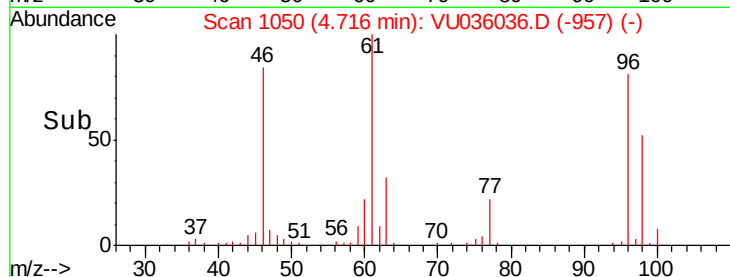
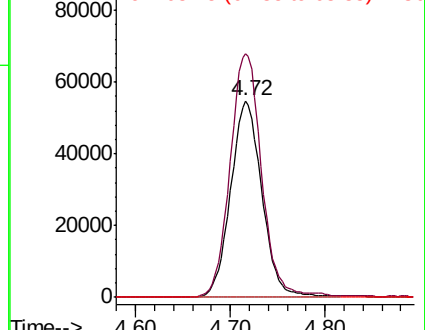
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036036.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036036.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036036.D (-957) (-)



#23

Bromochloromethane

Concen: 5.528 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Tgt Ion: 128 Resp: 63876

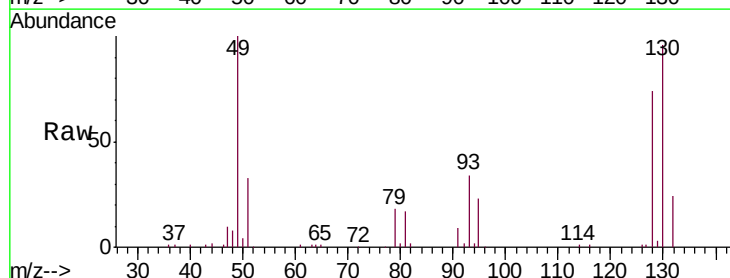
Ion Ratio Lower Upper

128 100

49 135.9 118.3 219.7

130 130.3 86.9 161.3

51 44.7 45.6 68.4#

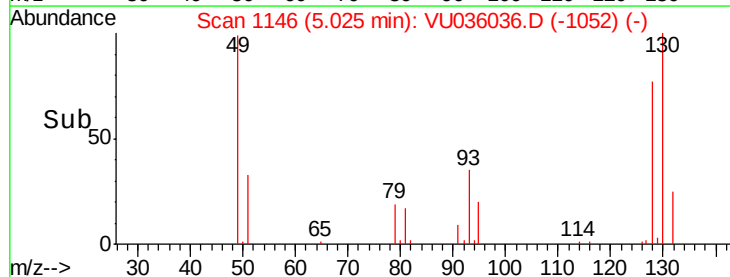
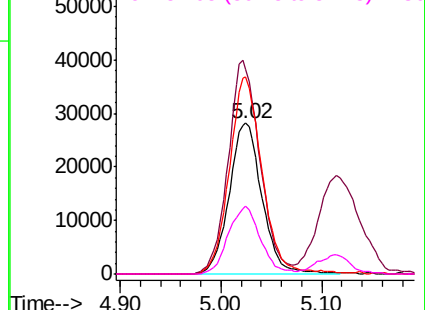


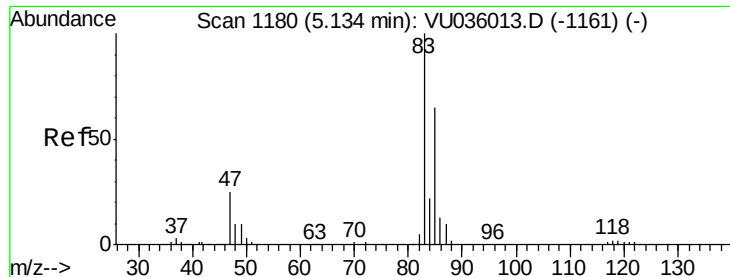
Abundance Ion 127.90 (127.60 to 128.60): VU036036.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036036.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036036.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU036036.D (-1052) (-)

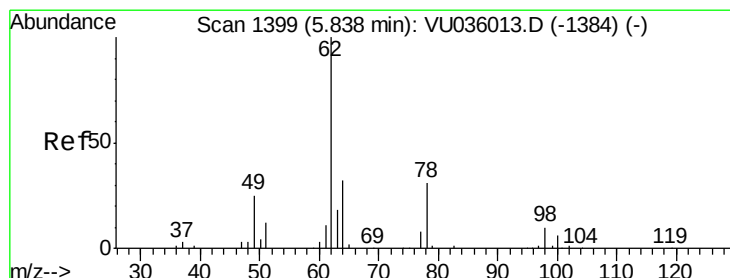
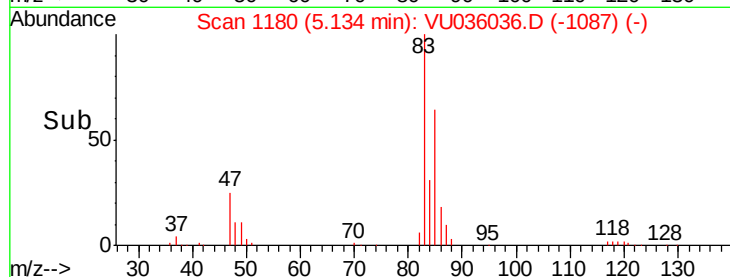
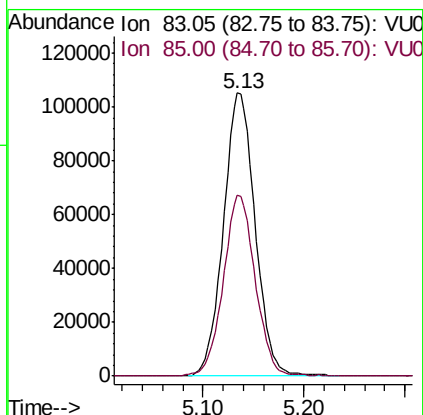
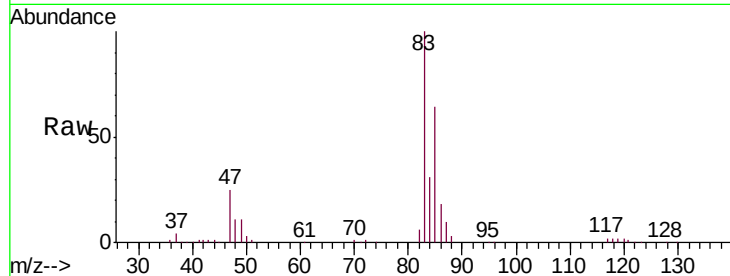




#25
Chloroform
Concen: 4.888 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

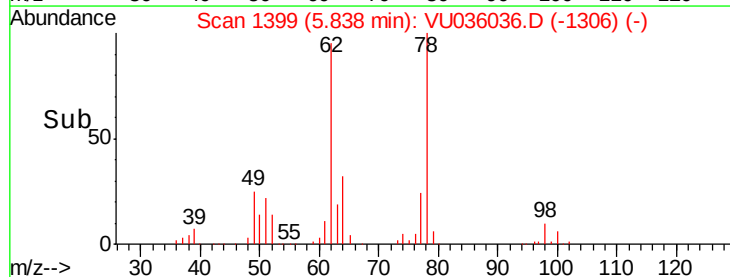
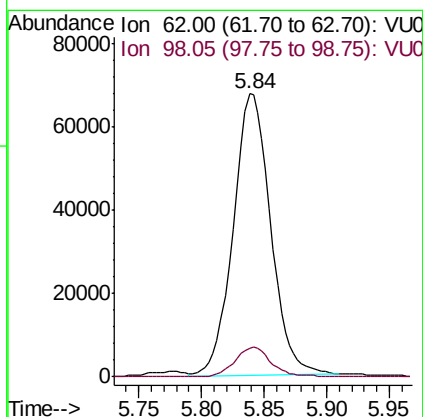
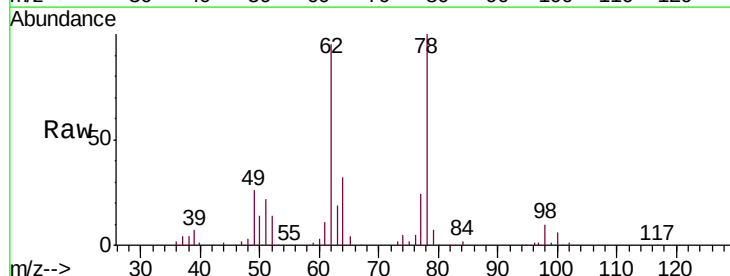
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

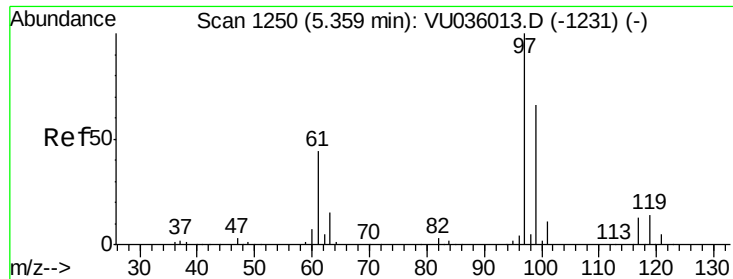
Tgt Ion: 83 Resp: 230358
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.646 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Tgt Ion: 62 Resp: 139957
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4

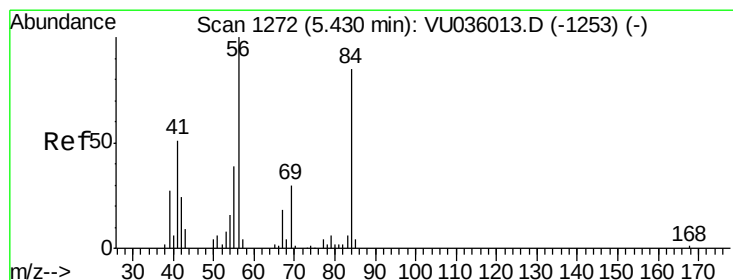
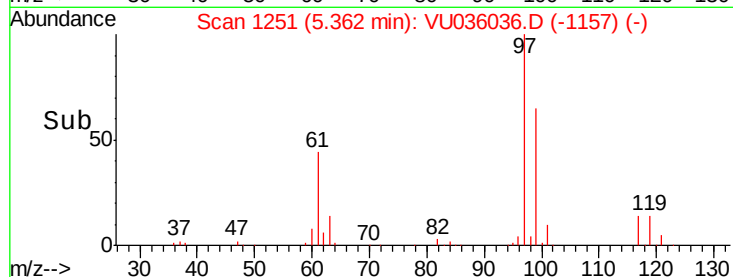
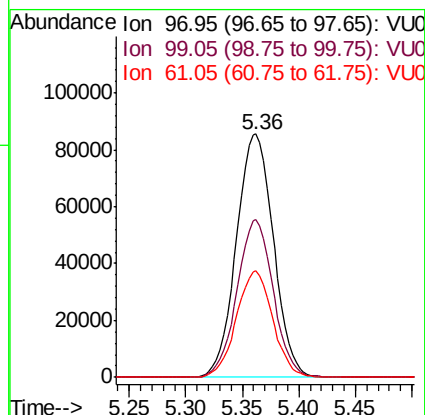
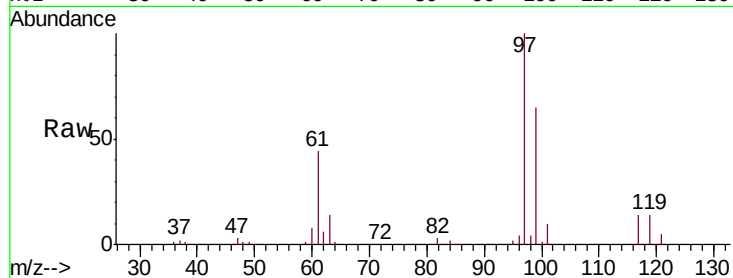




#29
 1,1,1-Trichloroethane
 Concen: 5.052 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

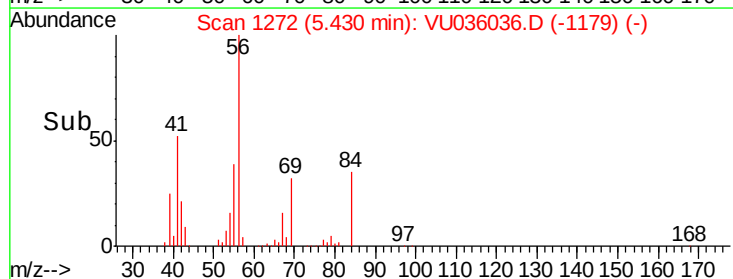
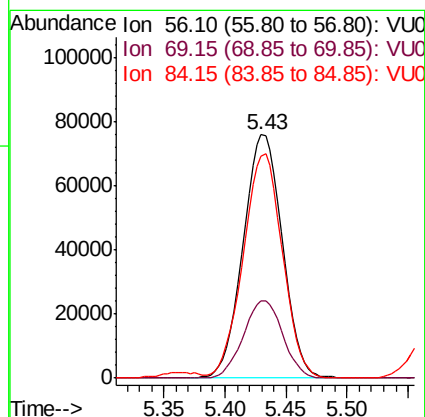
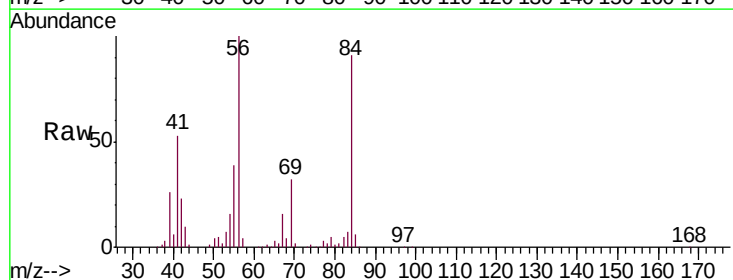
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

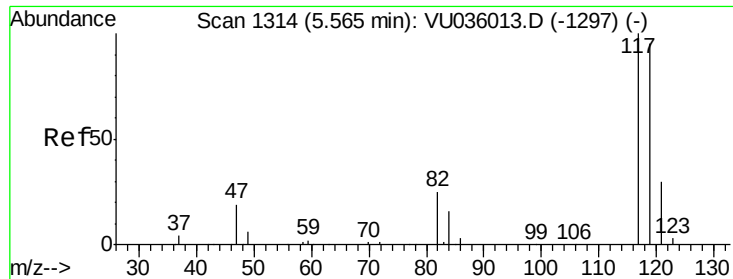
Tgt Ion: 97 Resp: 195338
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.8 77.8
 61 43.0 37.6 56.4



#30
 Cyclohexane
 Concen: 4.418 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

Tgt Ion: 56 Resp: 168712
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.0 36.0
 84 91.8 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.133 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

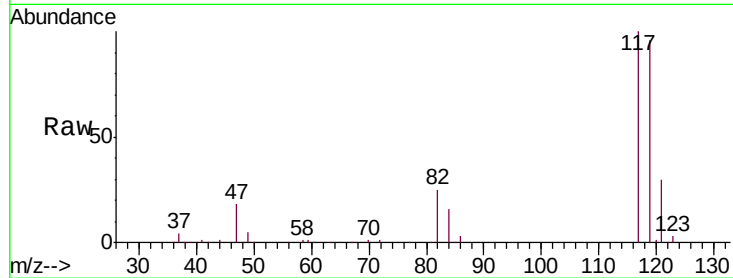
VSTD00525

Tgt Ion:117 Resp: 175958

Ion Ratio Lower Upper

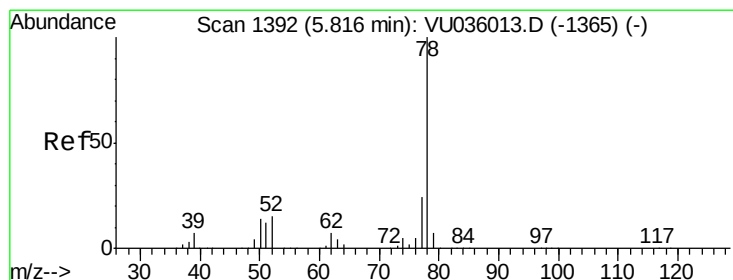
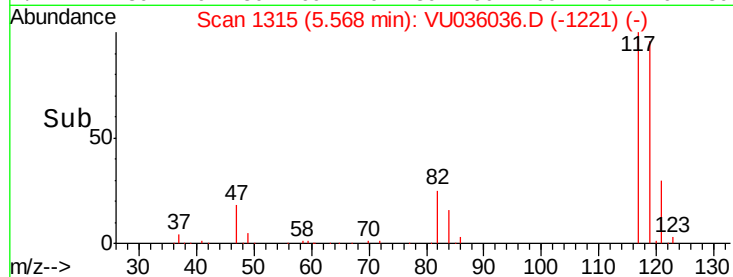
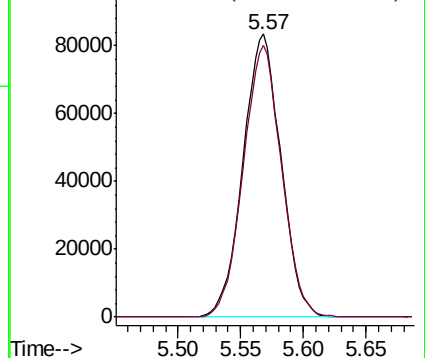
117 100

119 96.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.979 ug/L

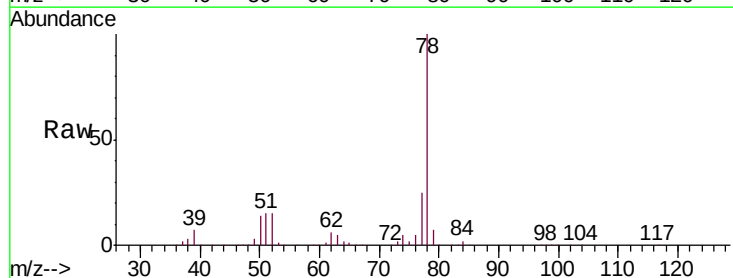
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

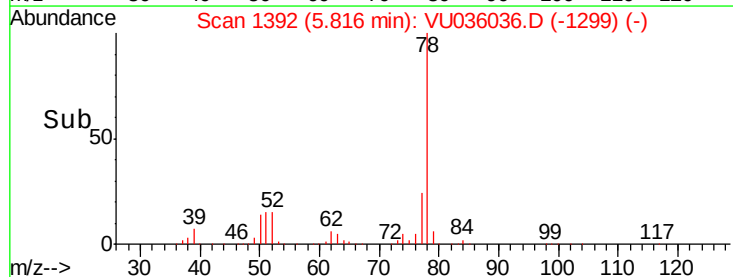
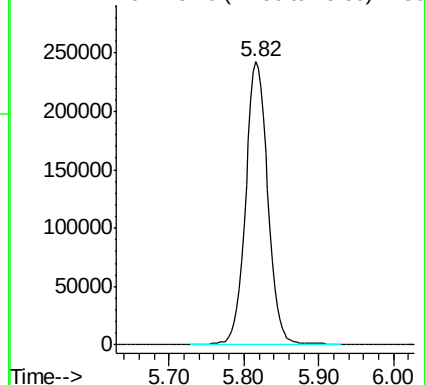
Lab File: VU036036.D

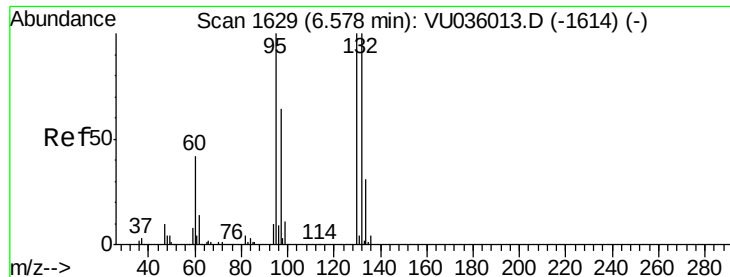
Acq: 06 Dec 2019 20:41

Tgt Ion: 78 Resp: 500557



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.152 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion: 95 Resp: 130973

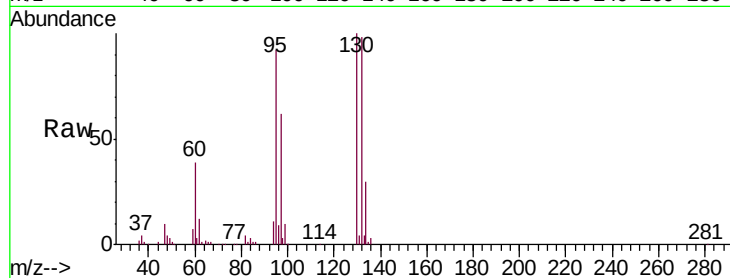
Ion Ratio Lower Upper

95 100

97 67.3 46.3 85.9

132 106.1 65.7 122.1

130 108.6 69.2 128.6

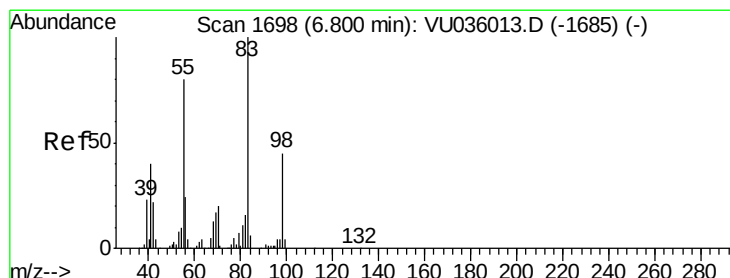
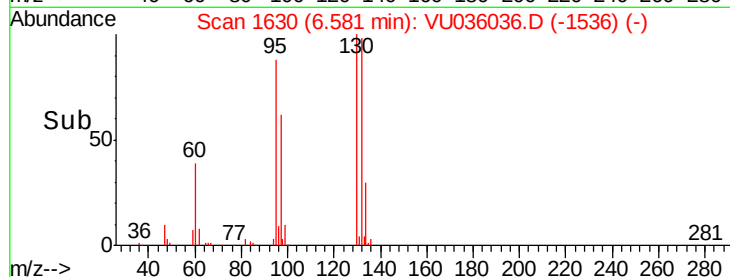
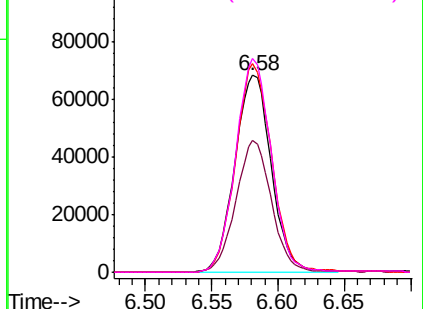


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.768 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

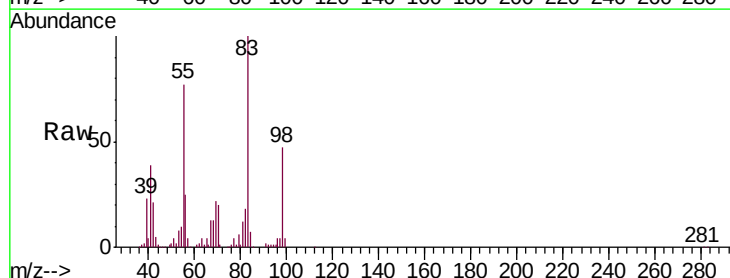
Tgt Ion: 83 Resp: 181748

Ion Ratio Lower Upper

83 100

55 78.9 67.4 101.0

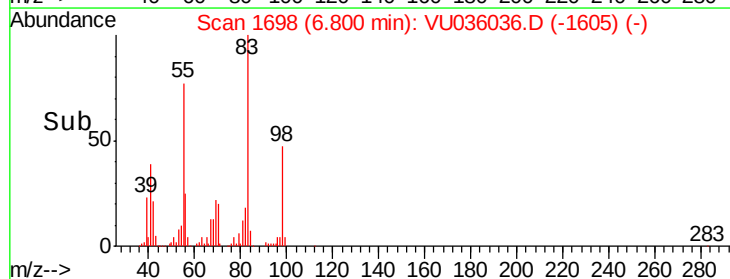
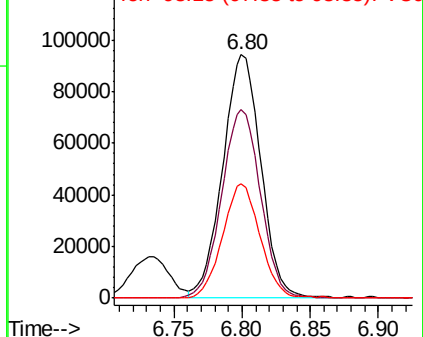
98 46.5 34.6 52.0

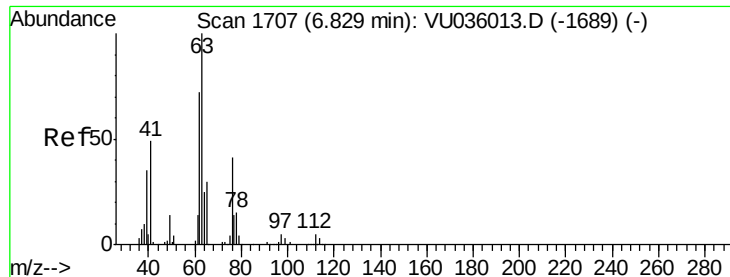


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

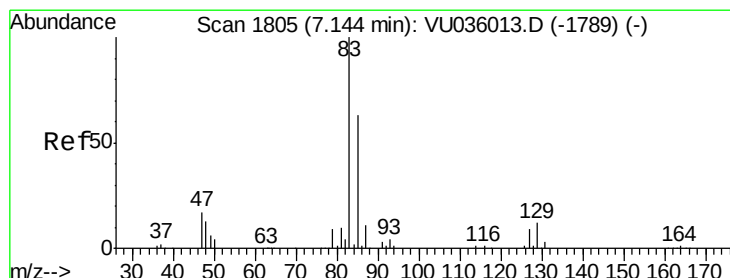
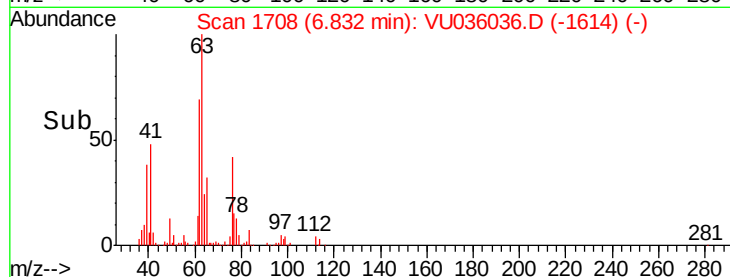
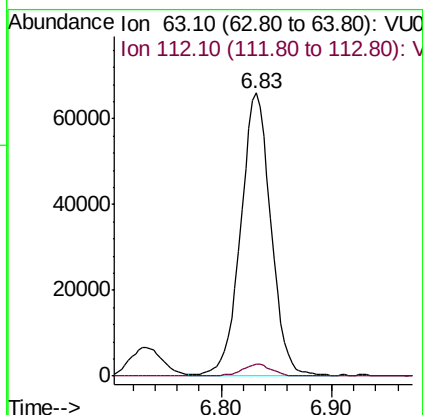
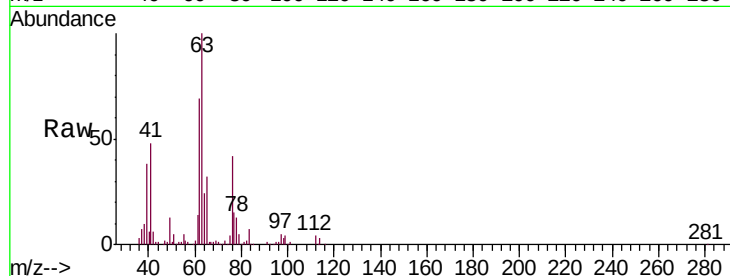




#37
 1,2-Dichloropropane
 Concen: 4.572 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

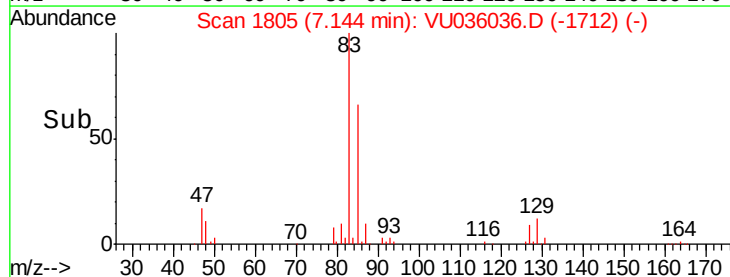
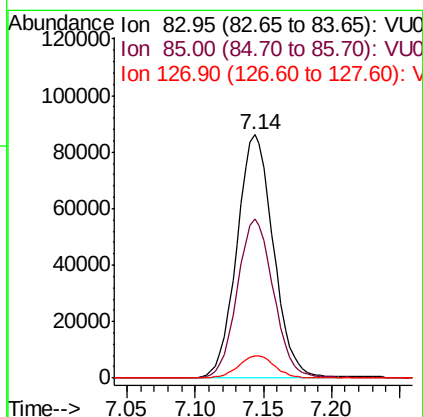
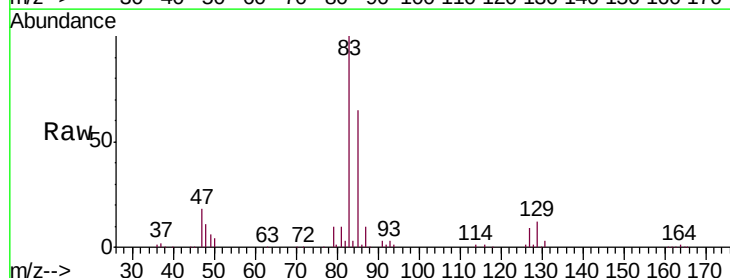
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

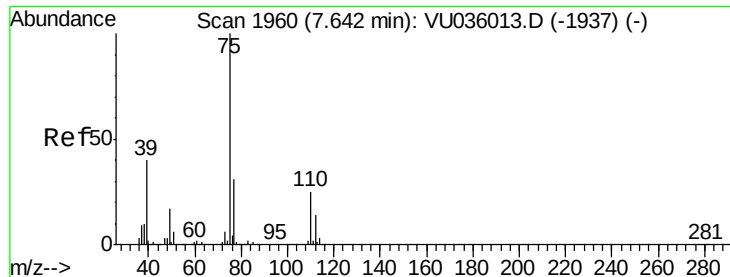
Tgt Ion: 63 Resp: 124454
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.923 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

Tgt Ion: 83 Resp: 160399
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.0 81.8
 127 9.3 6.5 9.7

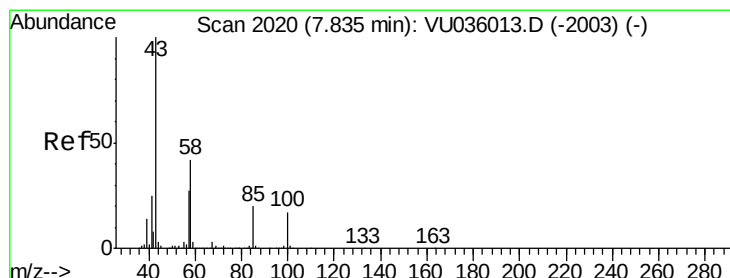
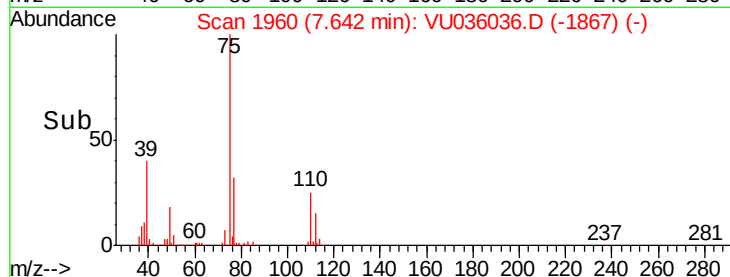
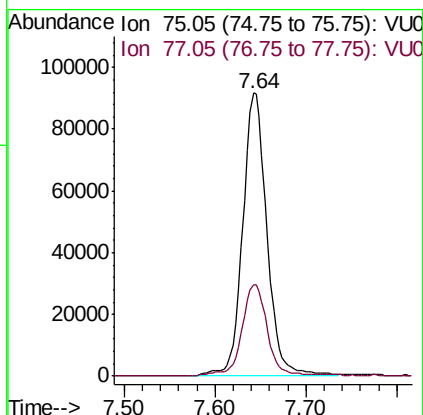
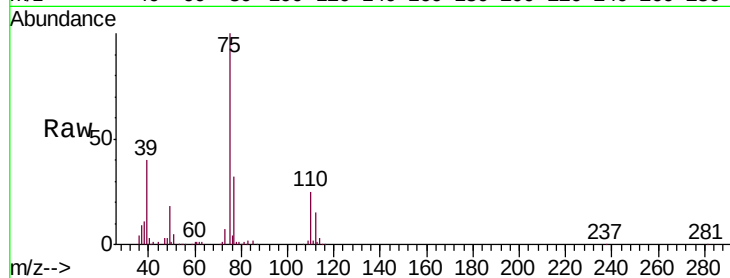




#39
 cis-1,3-Dichloropropene
 Concen: 4.717 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

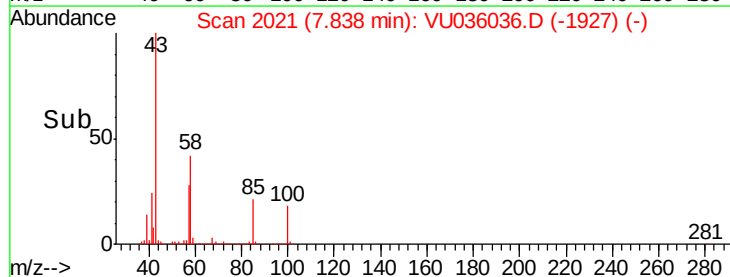
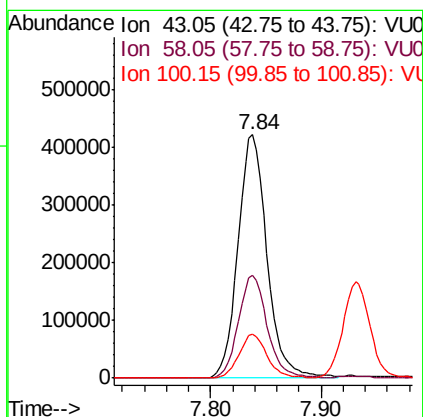
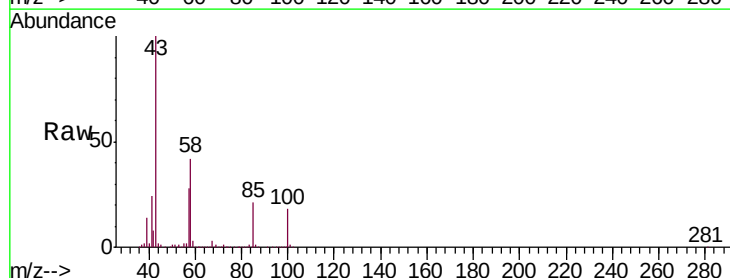
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

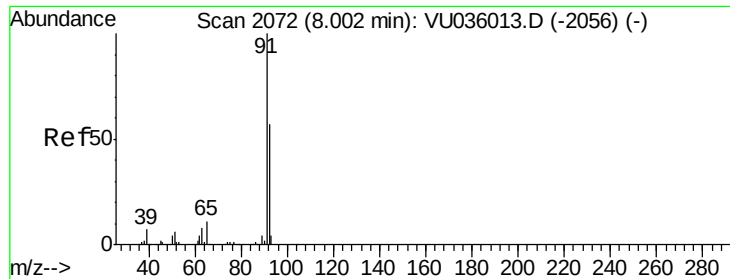
Tgt Ion: 75 Resp: 170360
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 47.993 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

Tgt Ion: 43 Resp: 767852
 Ion Ratio Lower Upper
 43 100
 58 42.2 32.3 48.5
 100 17.4 11.7 17.5





#42

Toluene

Concen: 5.242 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

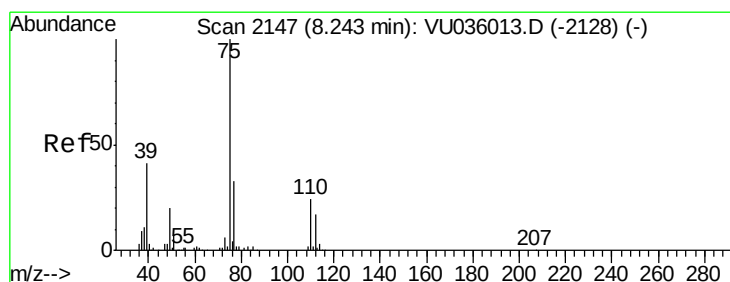
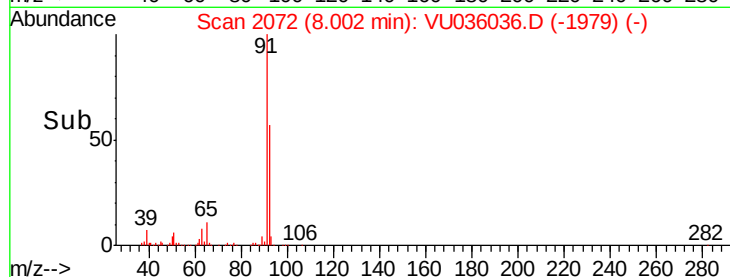
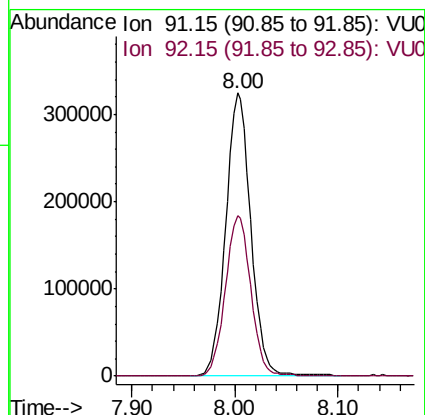
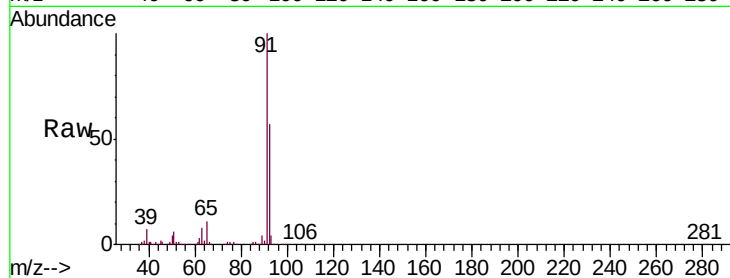
VSTD00525

Tgt Ion: 91 Resp: 550475

Ion Ratio Lower Upper

91 100

92 56.7 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 4.801 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036036.D

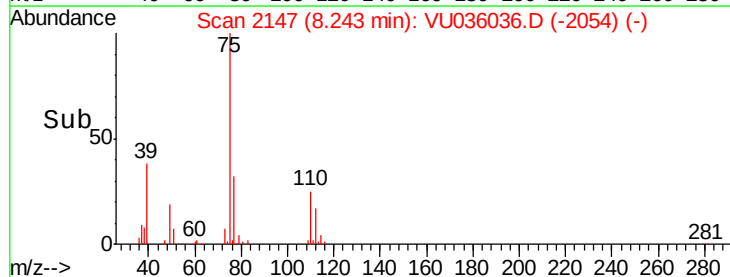
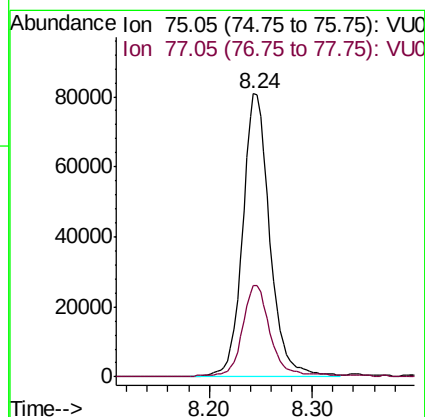
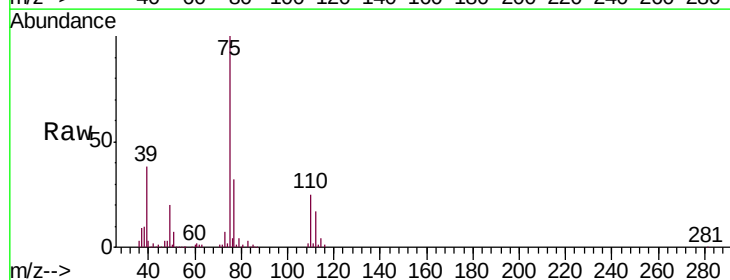
Acq: 06 Dec 2019 20:41

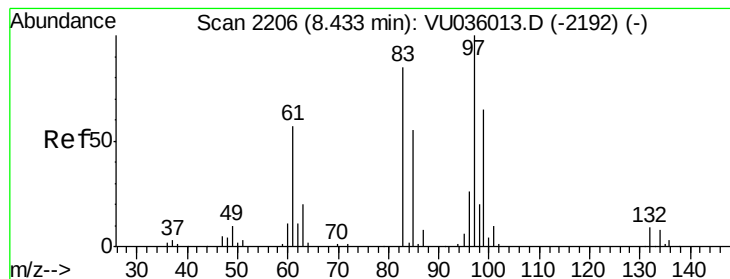
Tgt Ion: 75 Resp: 148263

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.307 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion: 97 Resp: 98353

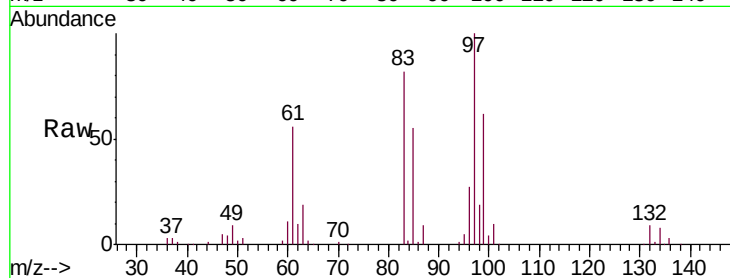
Ion Ratio Lower Upper

97 100

99 62.1 45.0 83.6

83 82.2 62.1 115.3

85 54.6 41.4 77.0



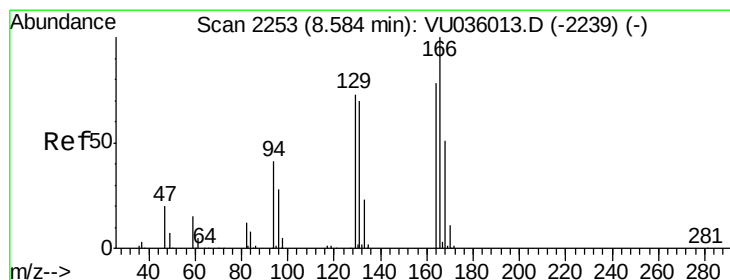
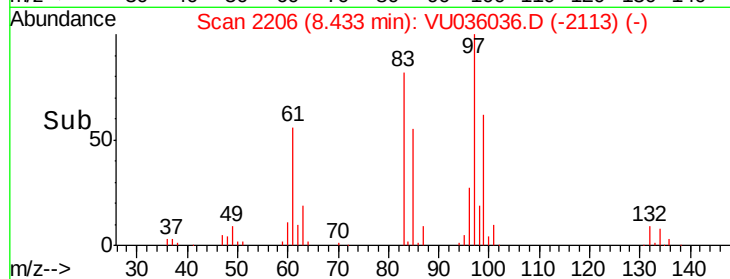
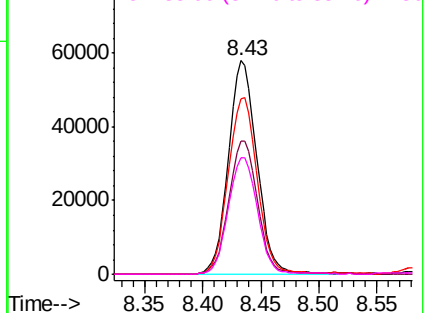
Abundance

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



#47

Tetrachloroethene

Concen: 5.825 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Tgt Ion: 164 Resp: 120358

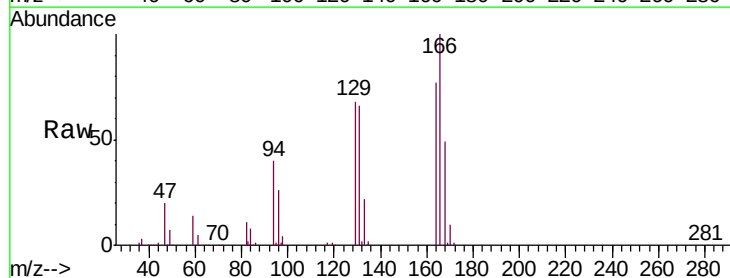
Ion Ratio Lower Upper

164 100

129 88.1 67.9 126.1

131 86.4 64.1 119.1

166 130.1 92.6 172.0



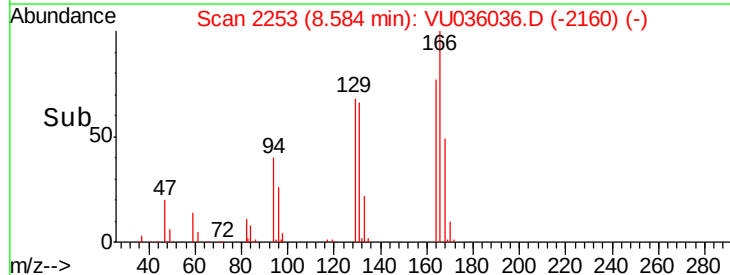
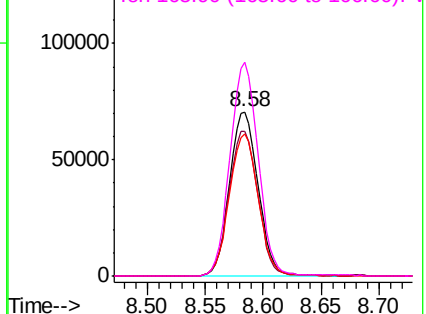
Abundance

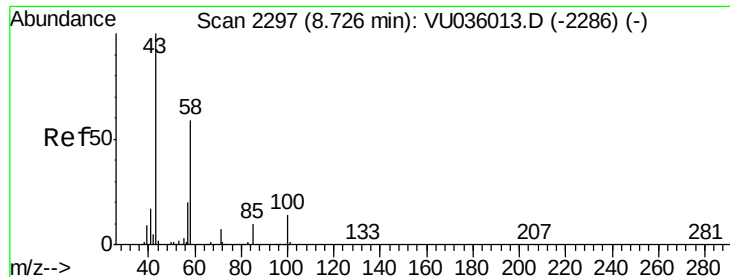
Ion 163.90 (163.60 to 164.60): V

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

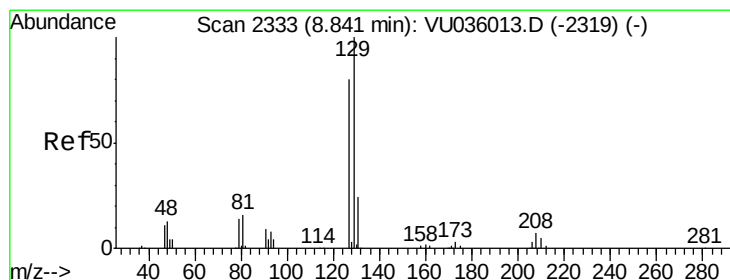
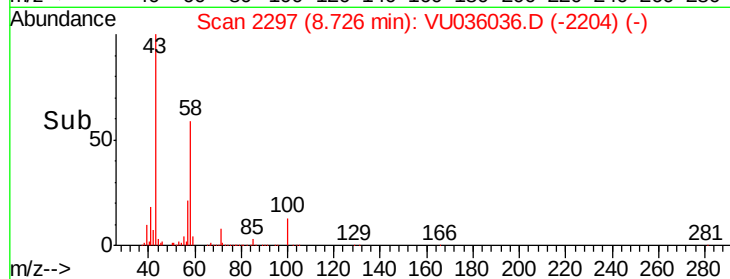
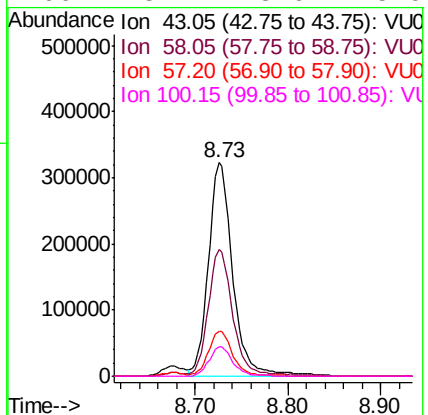
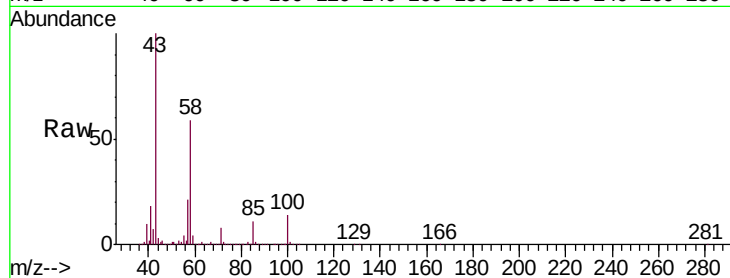




#48
2-Hexanone
Concen: 49.529 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

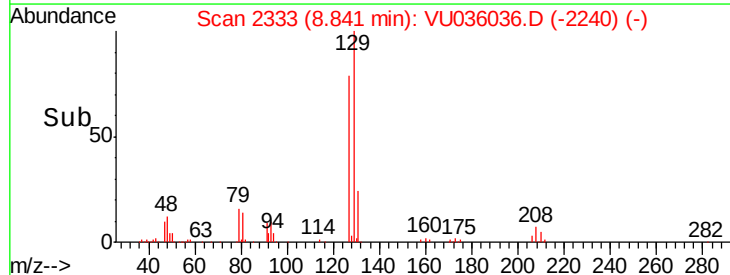
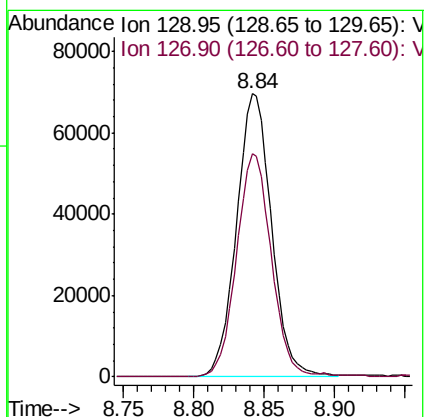
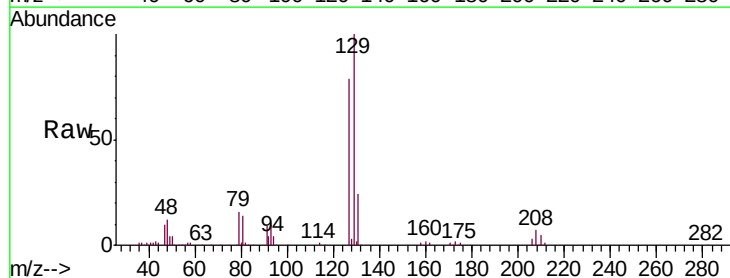
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

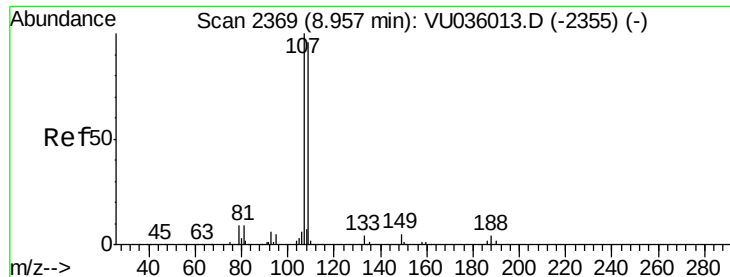
Tgt Ion: 43 Resp: 585340
Ion Ratio Lower Upper
43 100
58 60.4 45.4 68.2
57 20.8 14.9 22.3
100 13.4 8.6 13.0#



#49
Dibromochloromethane
Concen: 5.362 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Tgt Ion: 129 Resp: 121182
Ion Ratio Lower Upper
129 100
127 78.7 52.8 98.0

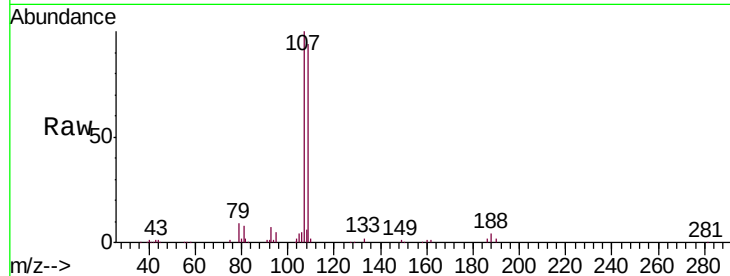




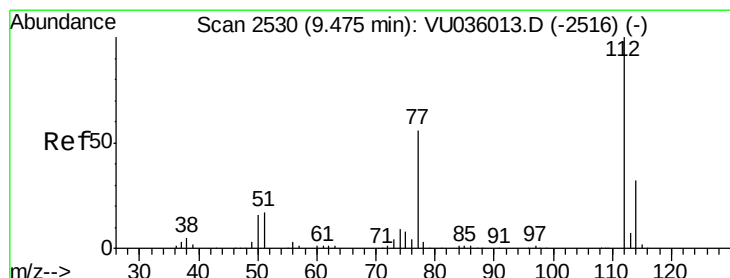
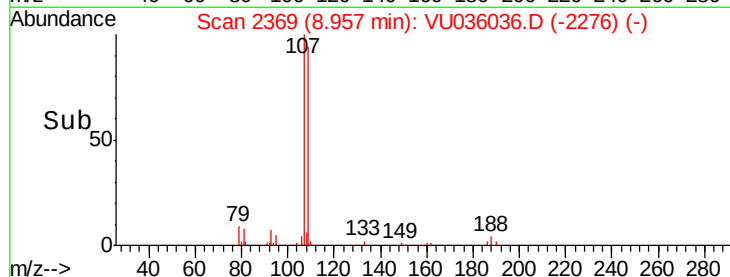
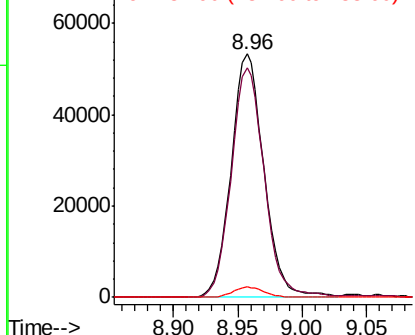
#50
1,2-Dibromoethane
Concen: 5.242 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion:107 Resp: 94267
Ion Ratio Lower Upper
107 100
109 94.1 62.5 116.1
188 4.1 3.0 4.6

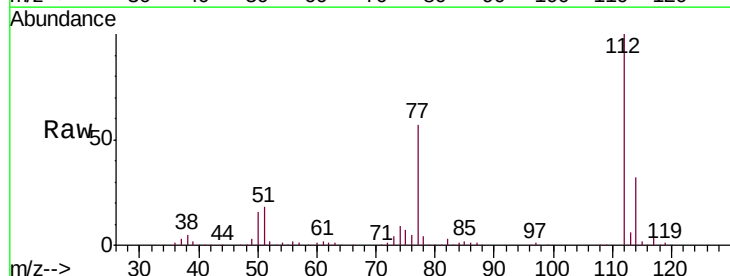


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

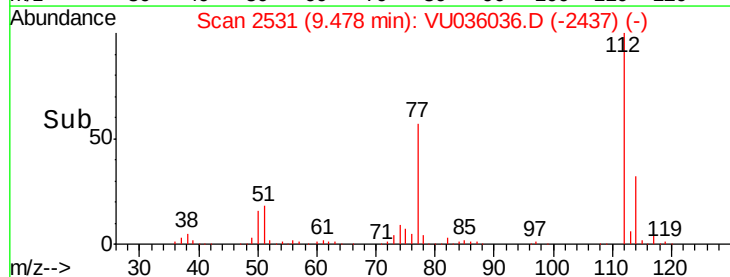
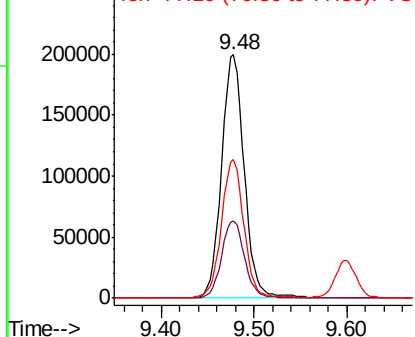


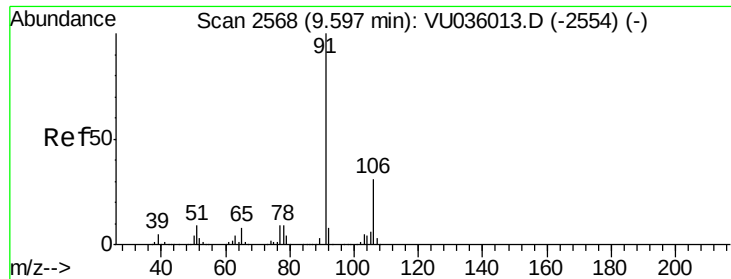
#51
Chlorobenzene
Concen: 5.167 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Tgt Ion:112 Resp: 338807
Ion Ratio Lower Upper
112 100
114 31.7 22.5 41.7
77 57.1 47.7 71.5



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: 4.953 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

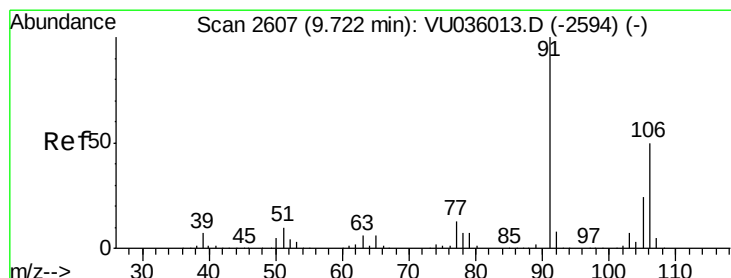
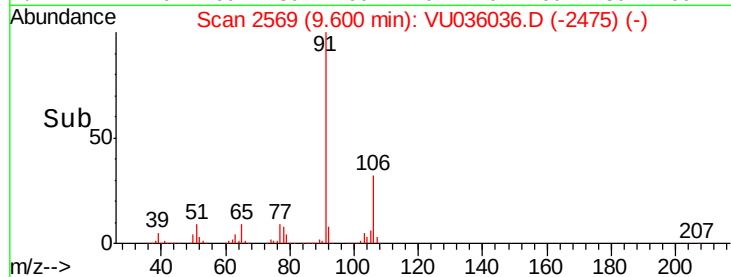
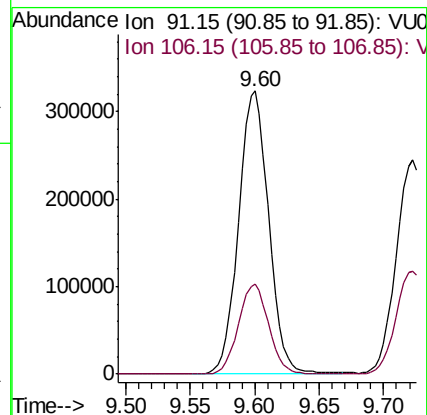
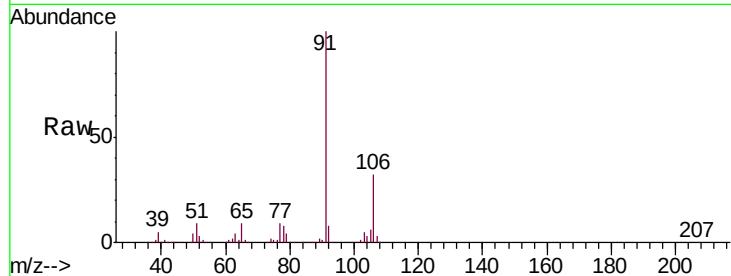
VSTD00525

Tgt Ion: 91 Resp: 525801

Ion Ratio Lower Upper

91 100

106 31.7 21.1 39.3



#53

m,p-Xylene

Concen: 5.125 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036036.D

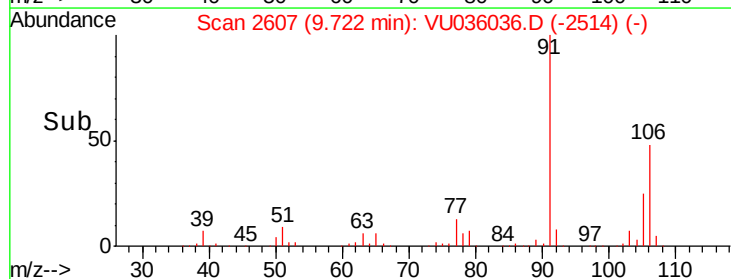
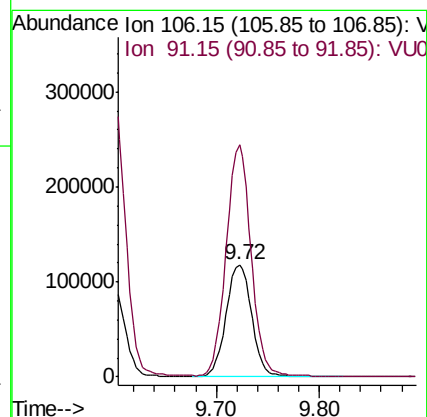
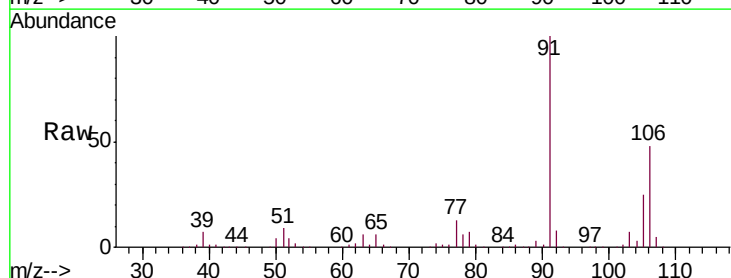
Acq: 06 Dec 2019 20:41

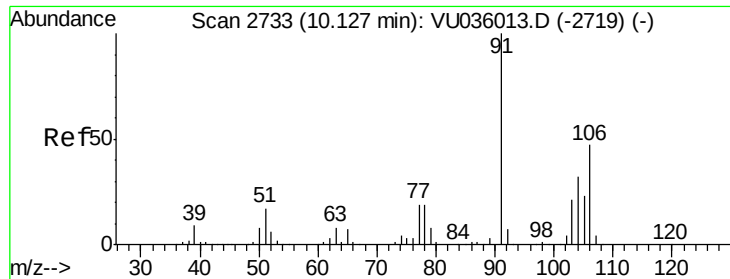
Tgt Ion: 106 Resp: 205352

Ion Ratio Lower Upper

106 100

91 207.2 138.9 257.9

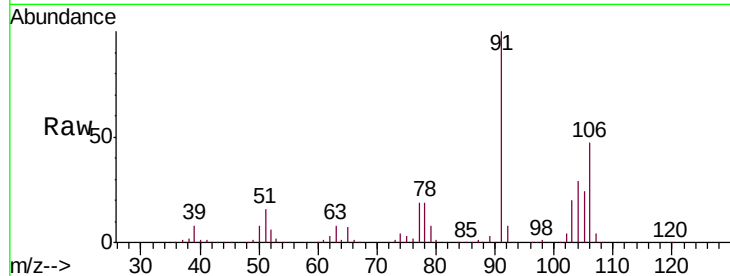




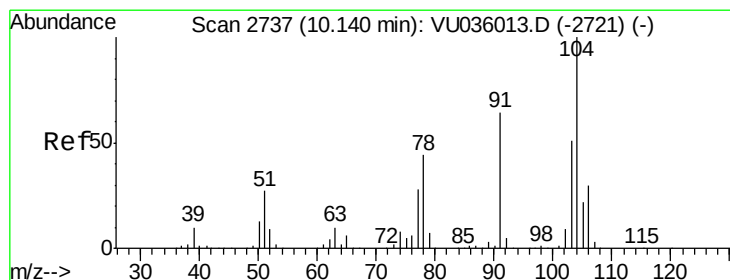
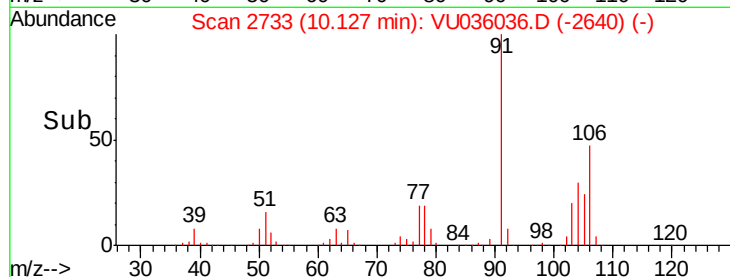
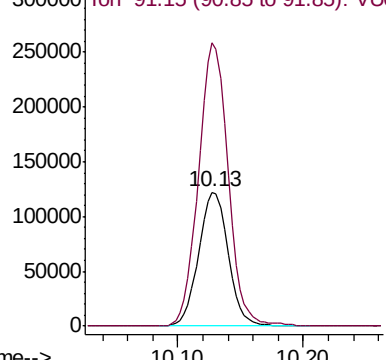
#54
o-Xylene
Concen: 5.338 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion:106 Resp: 200732
Ion Ratio Lower Upper
106 100
91 210.8 155.3 288.3

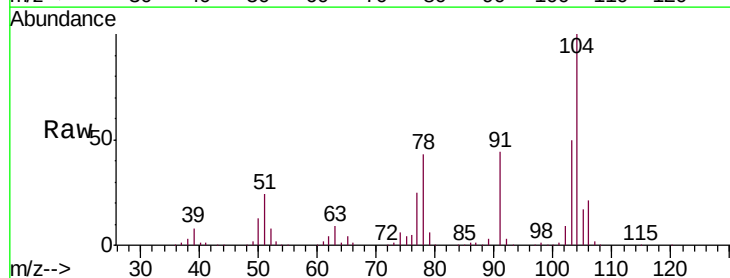


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

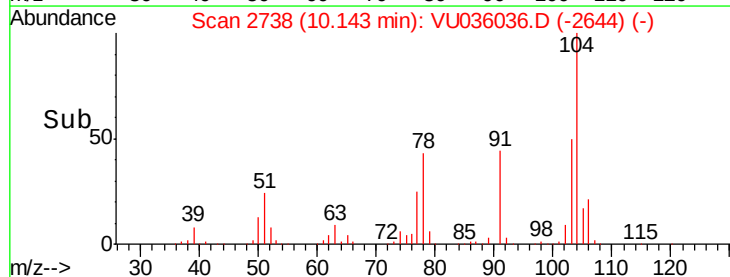
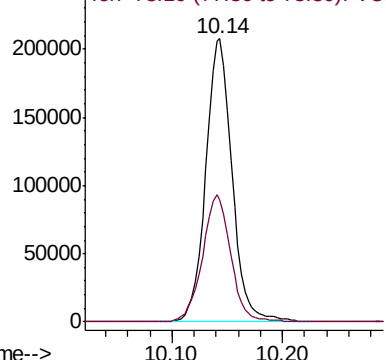


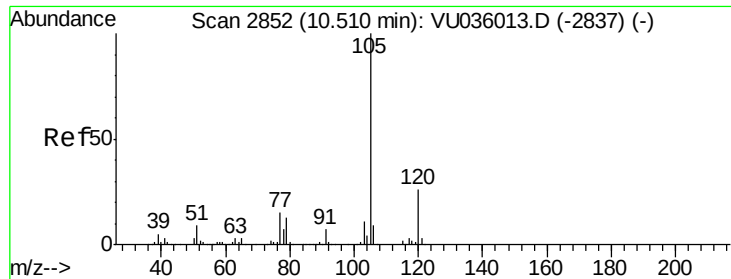
#55
Styrene
Concen: 5.424 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU036036.D
Acq: 06 Dec 2019 20:41

Tgt Ion:104 Resp: 342993
Ion Ratio Lower Upper
104 100
78 43.2 31.2 58.0



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





#56

Isopropylbenzene

Concen: 5.198 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

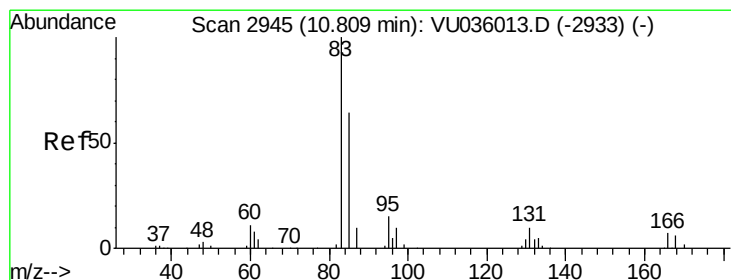
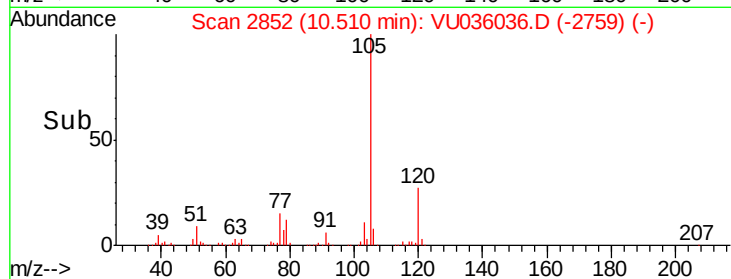
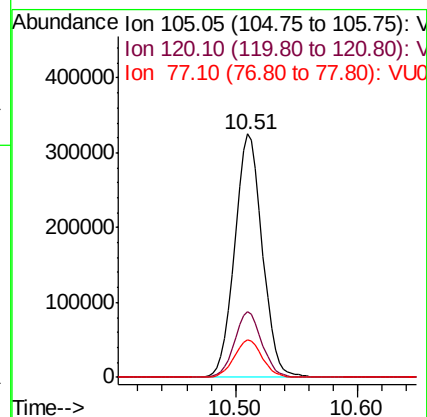
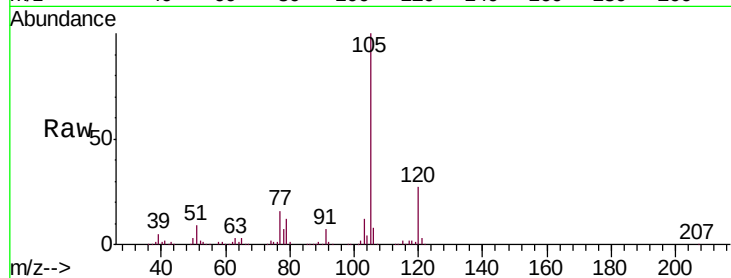
Tgt Ion:105 Resp: 512420

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

77 15.7 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 4.935 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

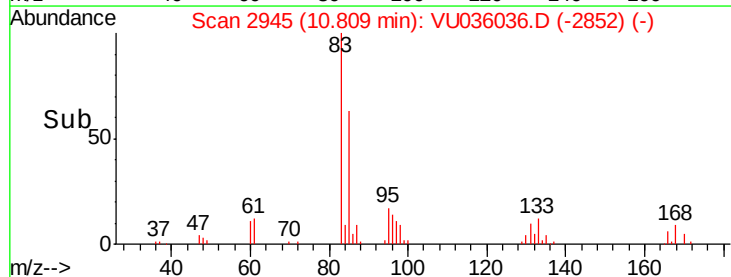
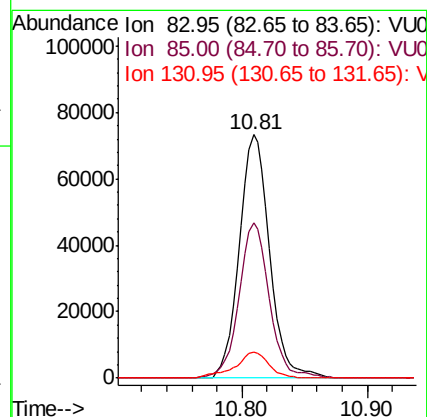
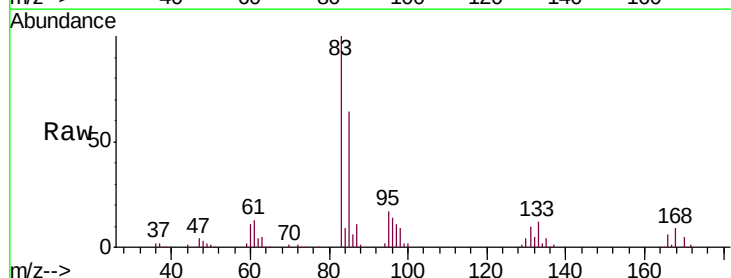
Tgt Ion: 83 Resp: 122730

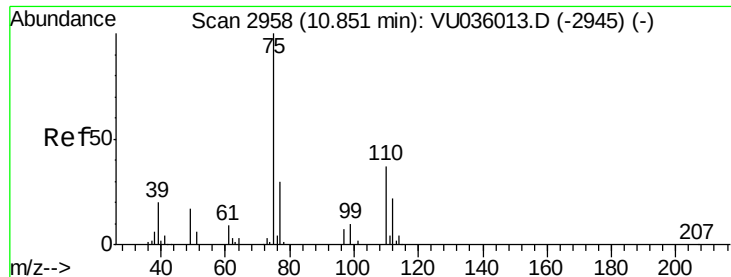
Ion Ratio Lower Upper

83 100

85 63.6 44.3 82.3

131 10.5 7.2 10.8

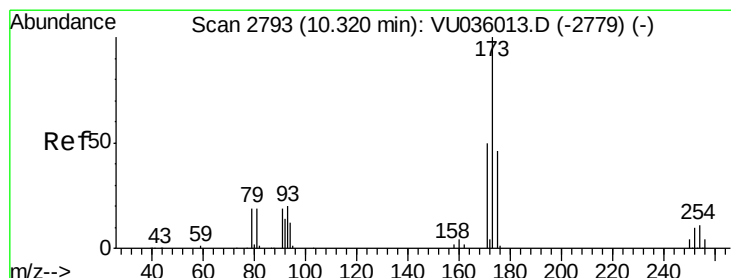
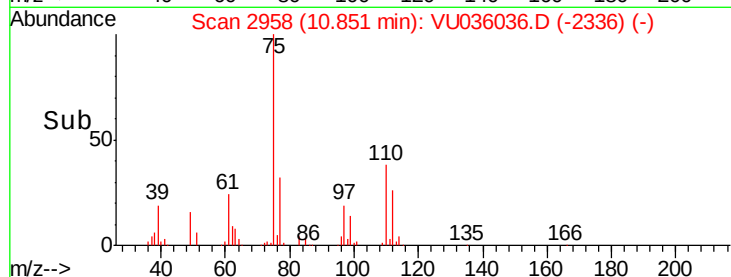
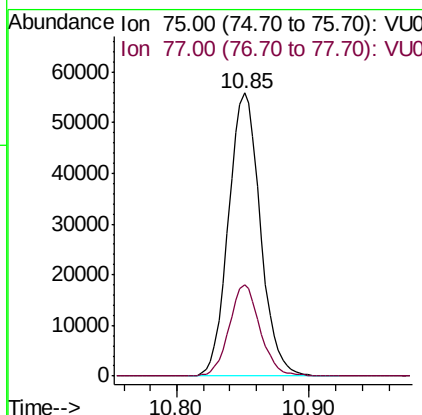
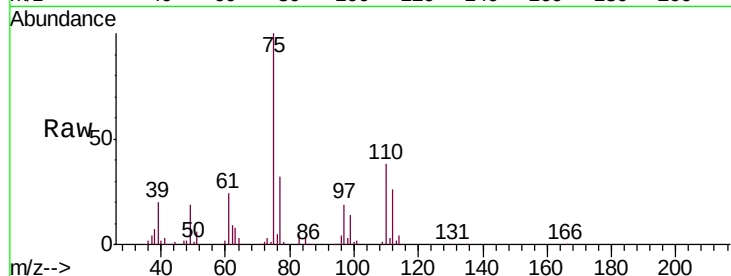




#59
 1,2,3-Trichloropropane
 Concen: 5.264 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

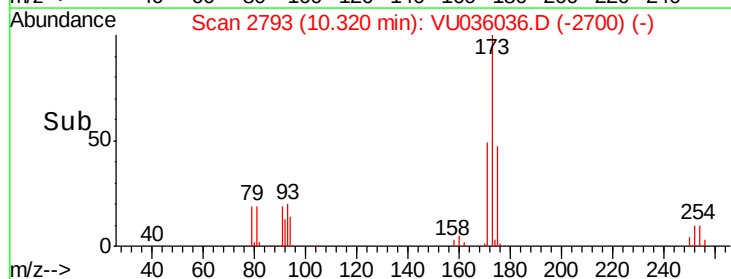
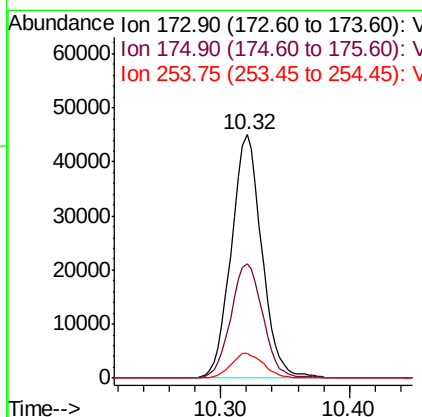
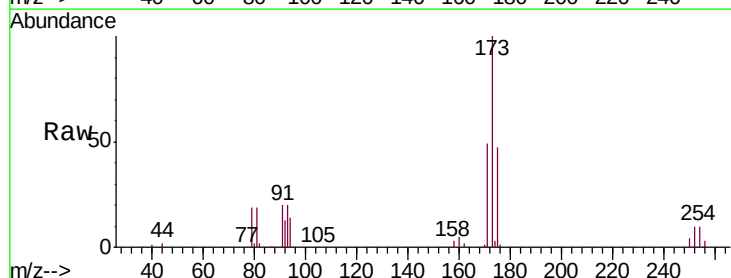
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

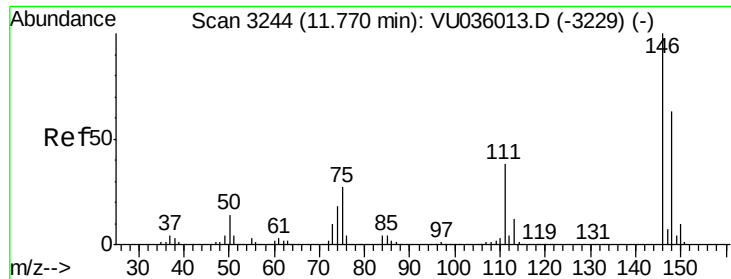
Tgt Ion: 75 Resp: 93144
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.6 39.8



#61
 Bromoform
 Concen: 4.974 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

Tgt Ion: 173 Resp: 74064
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.3 58.9
 254 10.7 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 4.916 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

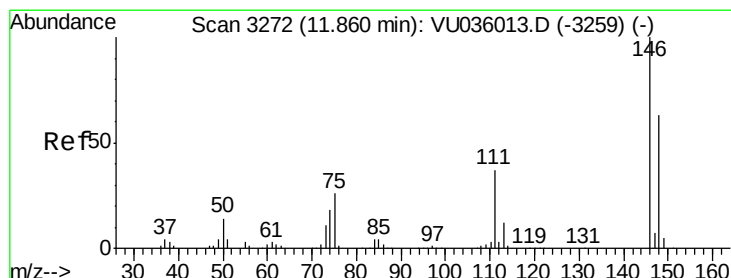
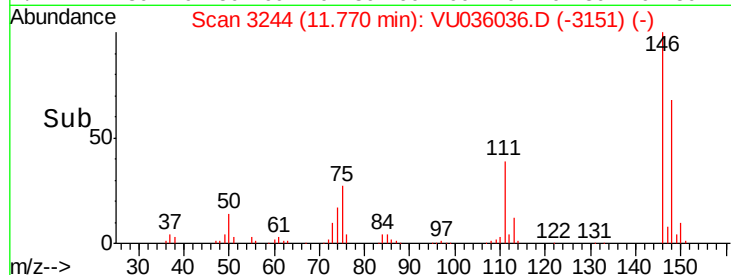
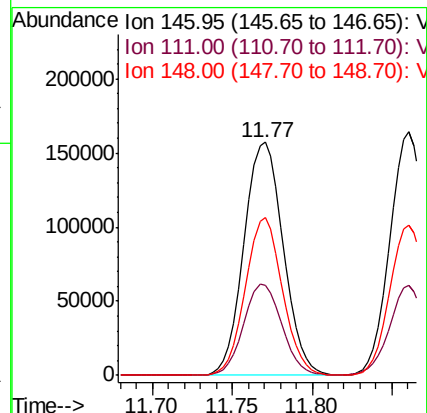
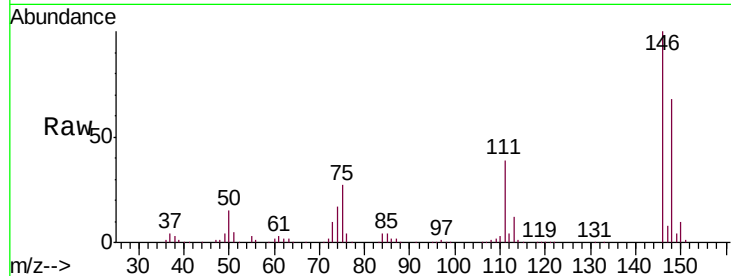
Tgt Ion:146 Resp: 263598

Ion Ratio Lower Upper

146 100

111 38.7 27.6 51.4

148 67.8 43.4 80.6



#63

1,4-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

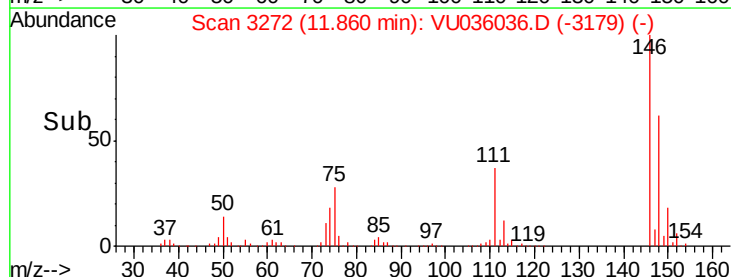
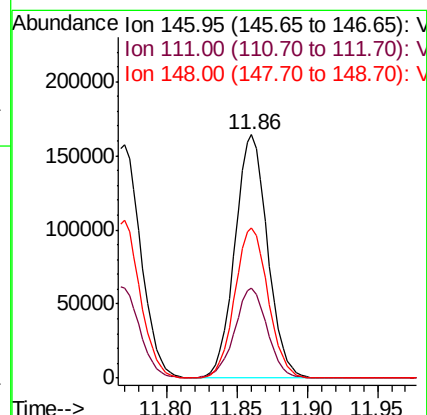
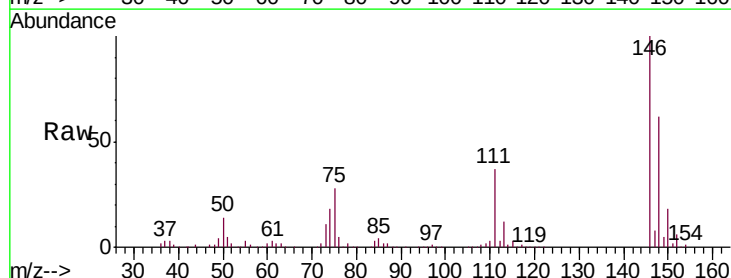
Tgt Ion:146 Resp: 266359

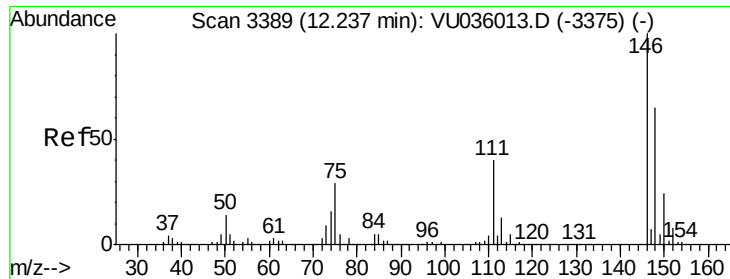
Ion Ratio Lower Upper

146 100

111 37.0 28.5 52.9

148 61.9 44.4 82.5

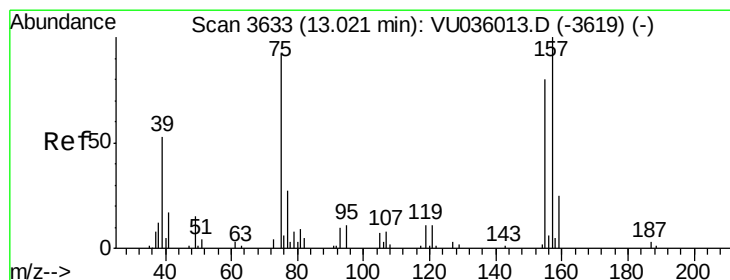
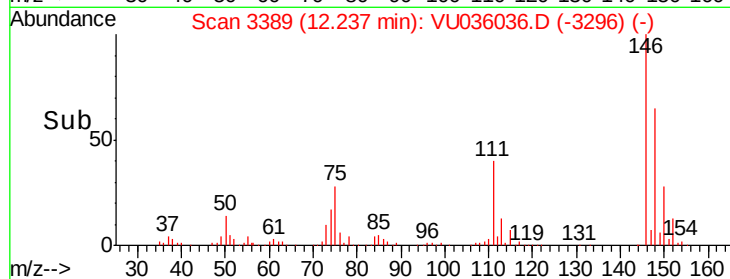
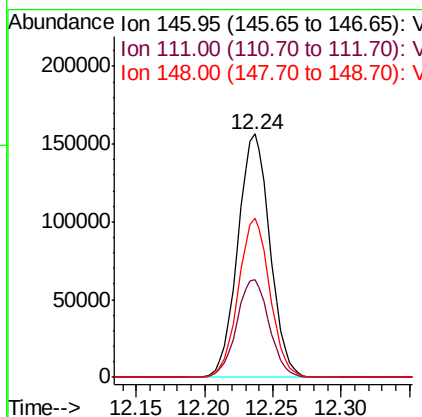
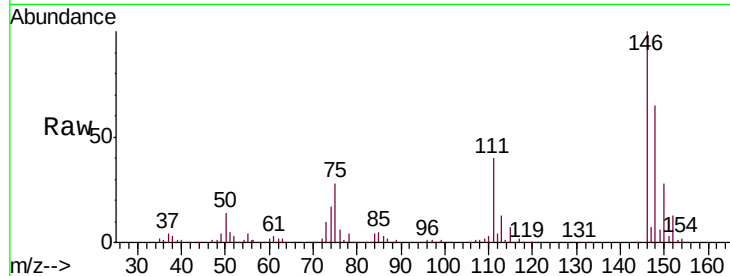




#65
 1,2-Dichlorobenzene
 Concen: 4.993 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

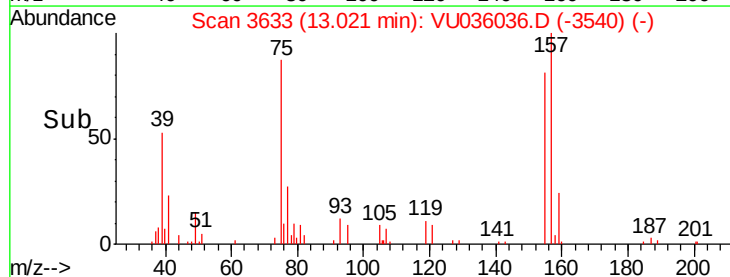
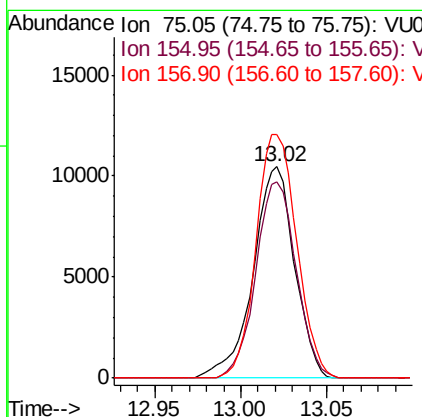
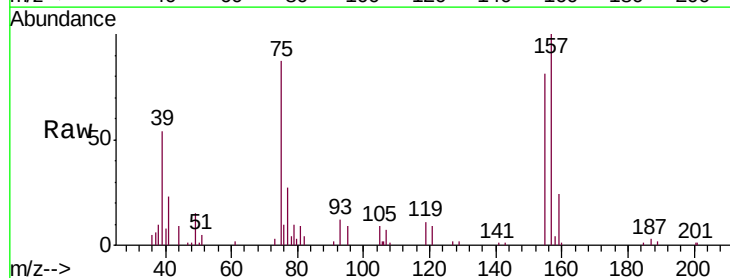
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

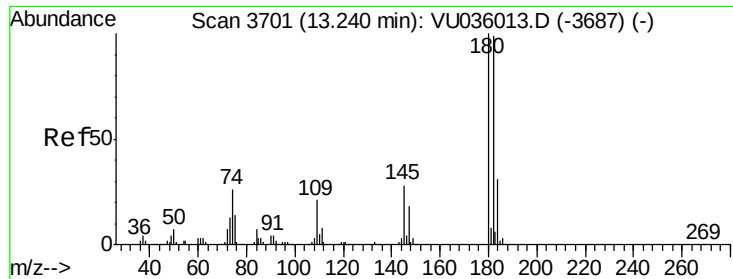
Tgt Ion: 146 Resp: 255845
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.6 48.8
 148 65.2 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.371 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

Tgt Ion: 75 Resp: 17448
 Ion Ratio Lower Upper
 75 100
 155 93.2 55.1 82.7#
 157 115.3 74.0 111.0#

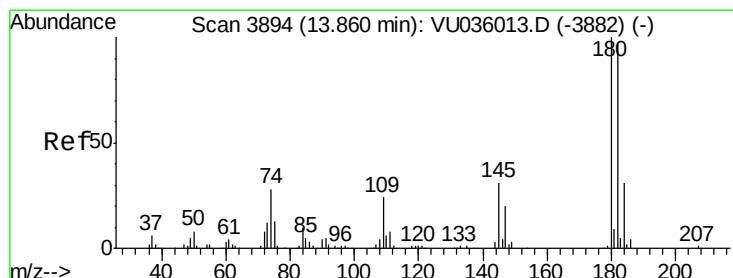
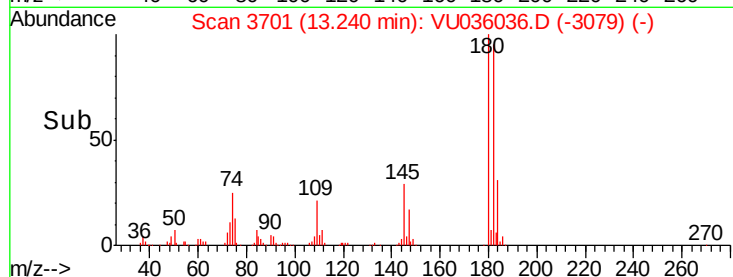
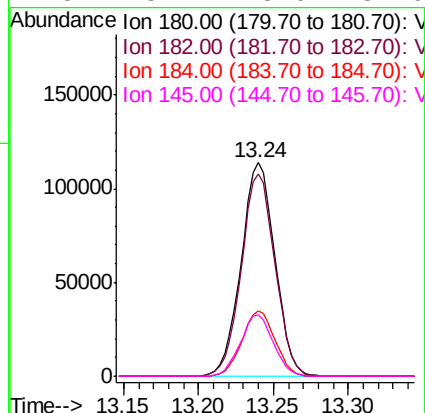
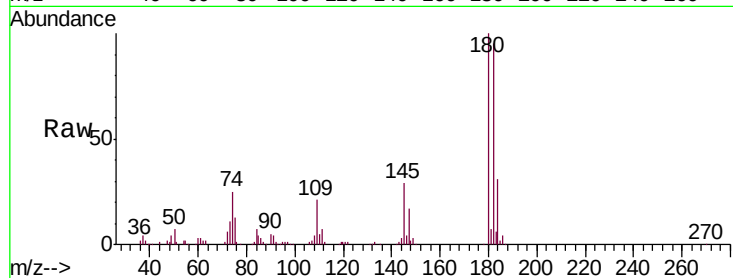




#67
 1,3,5-Trichlorobenzene
 Concen: 4.897 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

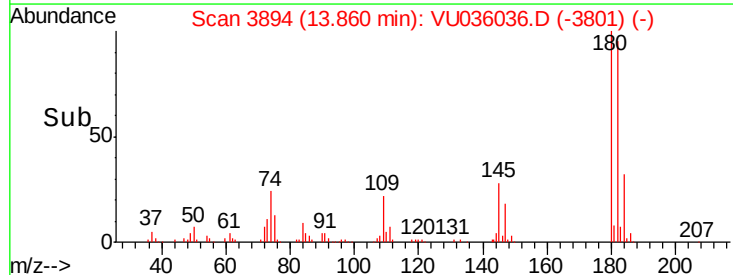
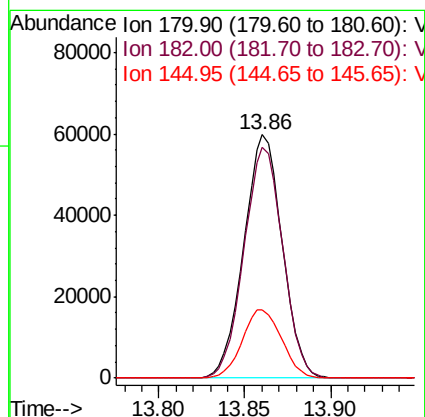
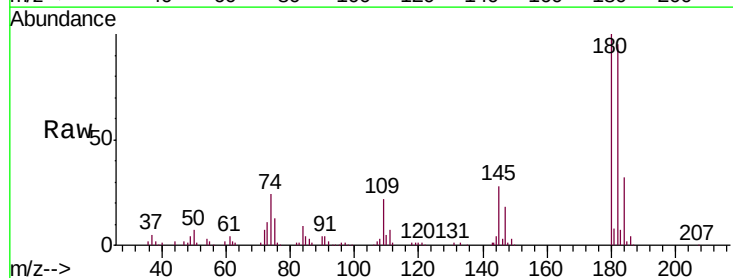
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

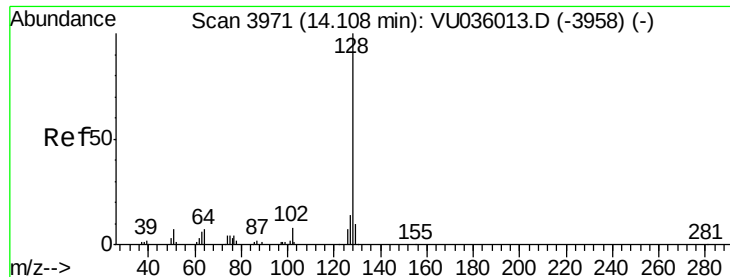
Tgt Ion:	180	Resp:	179215
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.2	115.8
184	29.8	24.5	36.7
145	28.1	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.742 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036036.D
 Acq: 06 Dec 2019 20:41

Tgt Ion:	180	Resp:	92997
Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.5	111.7
145	28.7	23.4	35.0





#69

Naphthalene

Concen: 3.906 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

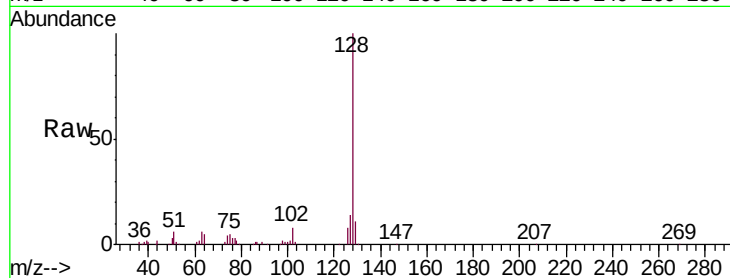
Tgt Ion:128 Resp: 87225

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

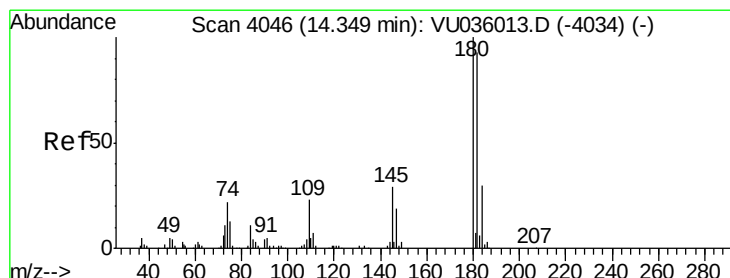
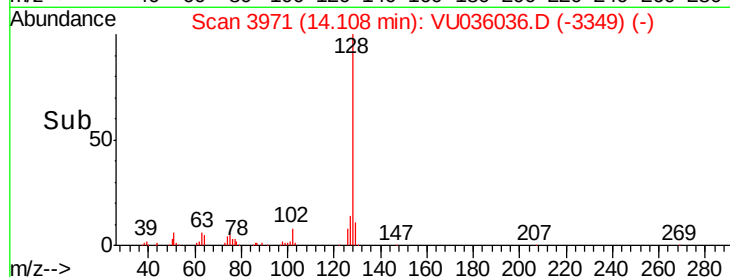
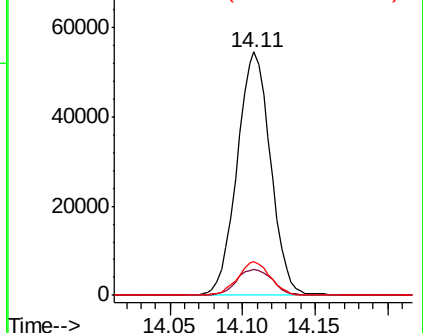
127 13.4 10.6 15.8



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: 4.707 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036036.D

Acq: 06 Dec 2019 20:41

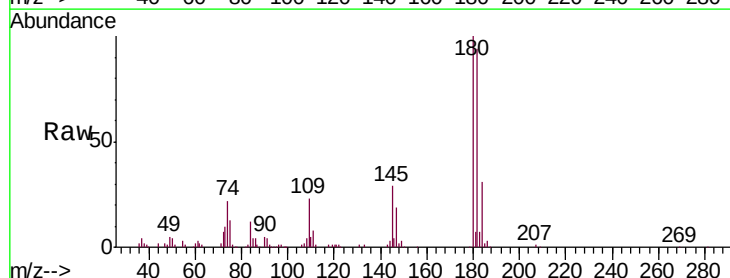
Tgt Ion:180 Resp: 91410

Ion Ratio Lower Upper

180 100

182 95.2 74.6 112.0

145 28.6 24.3 36.5



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

