

Data File : VU034549.D
Acq On : 15 Sep 2019 07:36
Operator : JC/SP
Sample : VSTD0.502
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Quant Time: Sep 16 02:06:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 02:04:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	166075	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	156486	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	72292	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	7046	0.51	ug/L	0.00
7) Chloroethane-d5	1.68	69	5170	0.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	11306	0.43	ug/L	0.00
20) 2-Butanone-d5	4.17	46	7970	2.28	ug/L	0.00
24) Chloroform-d	4.62	84	11454	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	7375	0.57	ug/L	0.00
32) Benzene-d6	5.32	84	21584	0.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	7872	0.56	ug/L	0.00
41) Toluene-d8	7.55	98	20820	0.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	3265	0.60	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	19833	8.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	7897	0.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	6703	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	6115	0.358 ug/L	99
3) Chloromethane	1.32	50	6251	0.355 ug/L	99
5) Vinyl chloride	1.40	62	5968	0.328 ug/L	99
6) Bromomethane	1.62	94	3035	0.355 ug/L	94
8) Chloroethane	1.69	64	3258	0.285 ug/L #	70
9) Trichlorofluoromethane	1.88	101	7841	0.383 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4732	0.411 ug/L	95
12) 1,1-Dichloroethene	2.27	96	4024	0.350 ug/L	86
13) Acetone	2.31	43	15983	6.102 ug/L	98
14) Carbon disulfide	2.47	76	9637	0.243 ug/L #	84
15) Methyl Acetate	2.60	43	5061	0.720 ug/L #	78
16) Methylene chloride	2.68	84	5817	0.416 ug/L	88
17) Methyl tert-butyl Ether	2.98	73	15049	0.474 ug/L #	90
18) trans-1,2-Dichloroethene	2.96	96	4285	0.341 ug/L	88
19) 1,1-Dichloroethane	3.42	63	10332	0.405 ug/L #	93
21) 2-Butanone	4.26	43	21111	5.503 ug/L	94
22) cis-1,2-Dichloroethene	4.20	96	6087	0.447 ug/L #	80
23) Bromochloromethane	4.53	128	2657	0.436 ug/L #	87
25) Chloroform	4.65	83	11763	0.441 ug/L	93
27) 1,2-Dichloroethane	5.39	62	6355	0.405 ug/L #	76
29) 1,1,1-Trichloroethane	4.89	97	8504	0.465 ug/L	94
30) Cyclohexane	4.97	56	8176	0.464 ug/L #	85
31) Carbon tetrachloride	5.11	117	6477	0.407 ug/L	98
33) Benzene	5.37	78	20618	0.434 ug/L	100
34) Trichloroethene	6.17	95	4919	0.400 ug/L #	85
35) Methylcyclohexane	6.39	83	9273	0.533 ug/L	92
37) 1,2-Dichloropropane	6.41	63	5973	0.452 ug/L #	96
38) Bromodichloromethane	6.74	83	7654	0.471 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	8533	0.478 ug/L	89
40) 4-Methyl-2-pentanone	7.45	43	59886	7.236 ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	21674	0.453	ug/L	95
44) trans-1,3-Dichloropropene	7.87	75	8199	0.566	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	4824	0.539	ug/L	96
47) Tetrachloroethene	8.21	164	3157	0.341	ug/L	94
48) 2-Hexanone	8.35	43	38784	6.757	ug/L	95
49) Dibromochloromethane	8.46	129	5502	0.516	ug/L	89
50) 1,2-Dibromoethane	8.57	107	4935	0.581	ug/L #	92
51) Chlorobenzene	9.10	112	13558	0.428	ug/L	97
52) Ethylbenzene	9.23	91	23755	0.465	ug/L	98
53) m,p-Xylene	9.36	106	8975	0.473	ug/L	99
54) o-Xylene	9.76	106	9273	0.512	ug/L	93
55) Styrene	9.78	104	15361	0.494	ug/L	99
56) Isopropylbenzene	10.15	105	24253	0.506	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	7210	0.603	ug/L	93
59) 1,2,3-Trichloropropane	11.46	75	13703	1.617	ug/L	89
61) Bromoform	9.94	173	3201	0.587	ug/L #	90
62) 1,3-Dichlorobenzene	11.40	146	11025	0.492	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	10283	0.443	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	10325	0.477	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	1179	0.668	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.87	180	6262	0.364	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	3791	0.291	ug/L	97
69) Naphthalene	13.74	128	9130	0.419	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.97	180	3820	0.305	ug/L	92

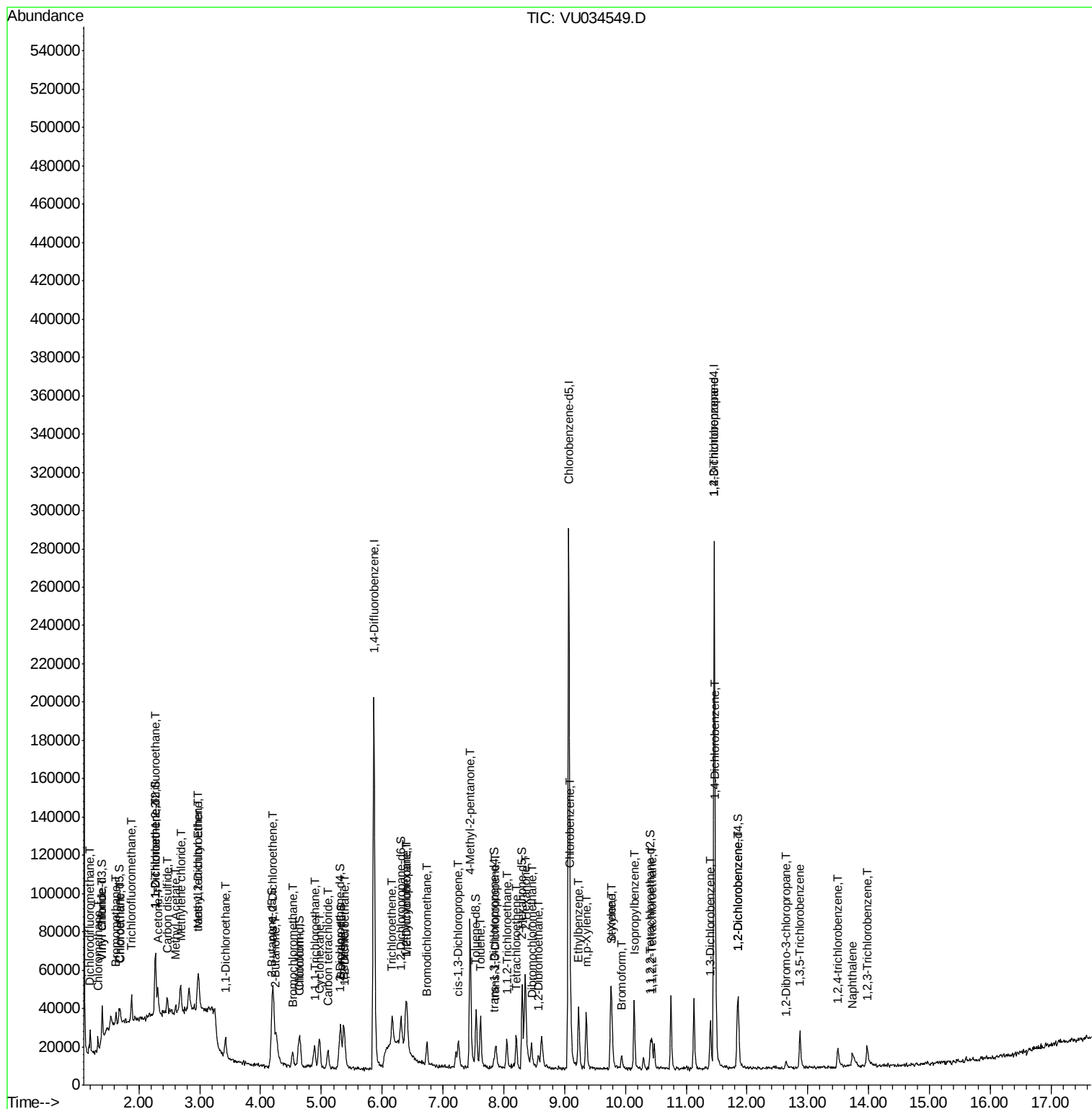
(#) = qualifier out of range (m) = manual integration (+) = signals summed

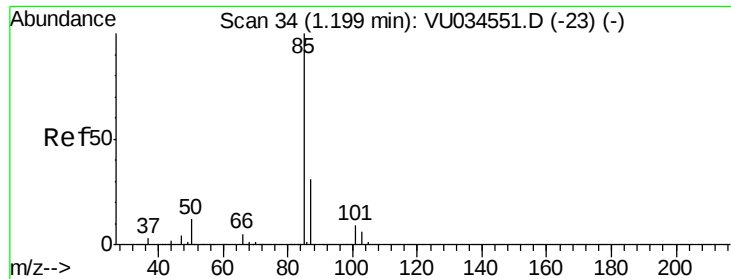
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#2

Dichlorodifluoromethane

Concen: 0.358 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

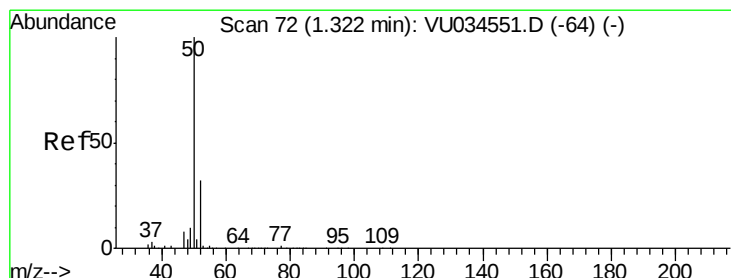
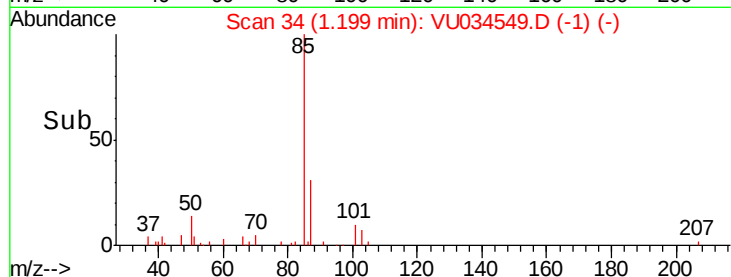
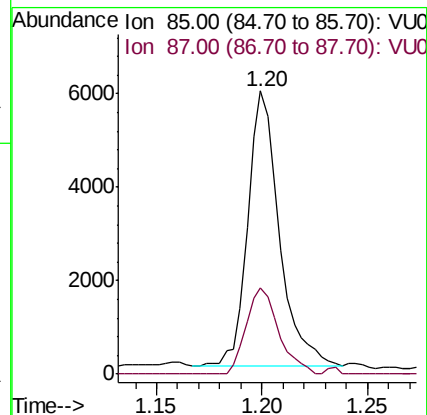
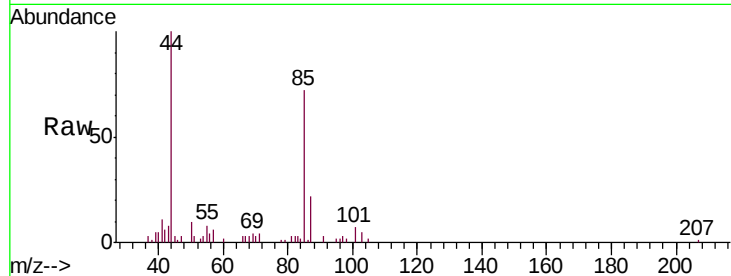
VSTD0.502

Tgt Ion: 85 Resp: 6115

Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



#3

Chloromethane

Concen: 0.355 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034549.D

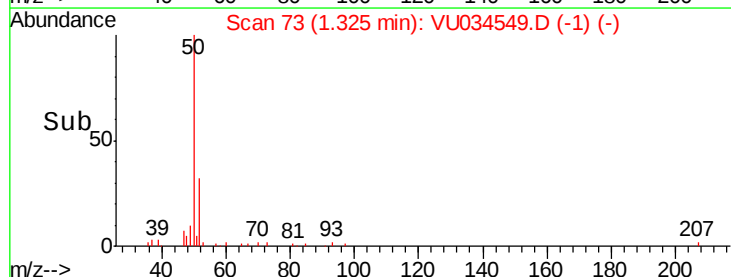
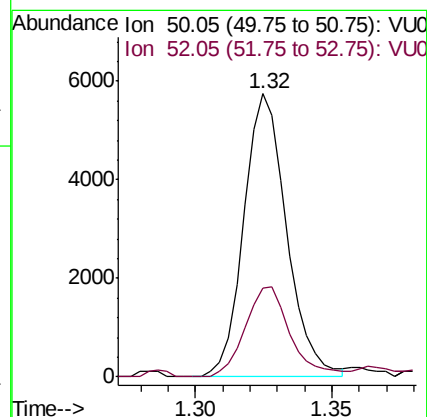
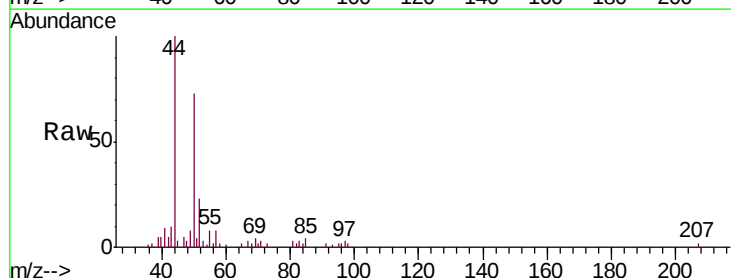
Acq: 15 Sep 2019 07:36

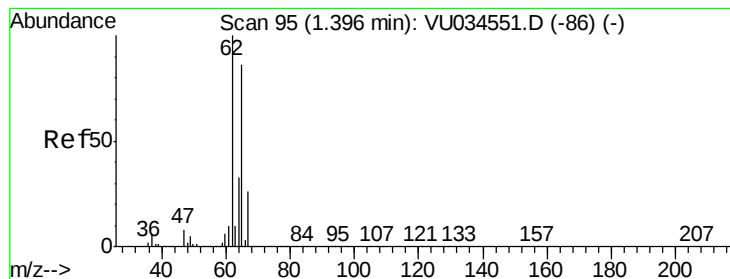
Tgt Ion: 50 Resp: 6251

Ion Ratio Lower Upper

50 100

52 31.5 22.4 41.6





#5

Vinyl chloride

Concen: 0.328 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

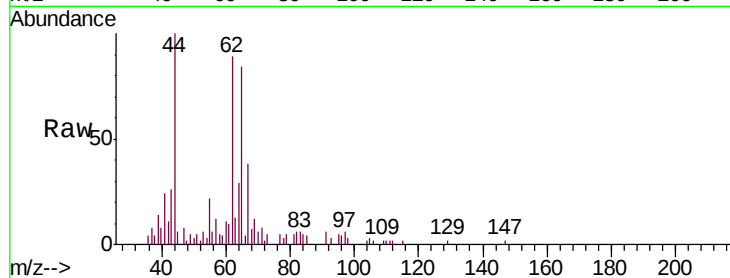
VSTD0.502

Tgt Ion: 62 Resp: 5968

Ion Ratio Lower Upper

62 100

64 32.1 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU034551.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034551.D (-86) (-)

1.40

6000

5000

4000

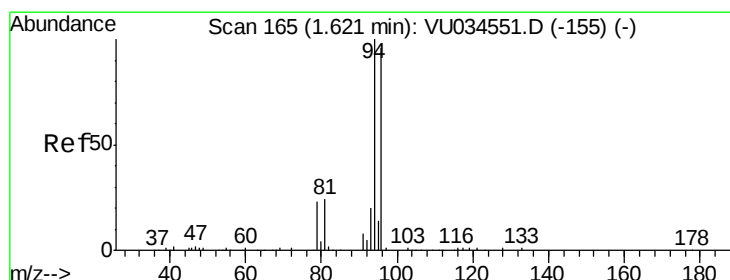
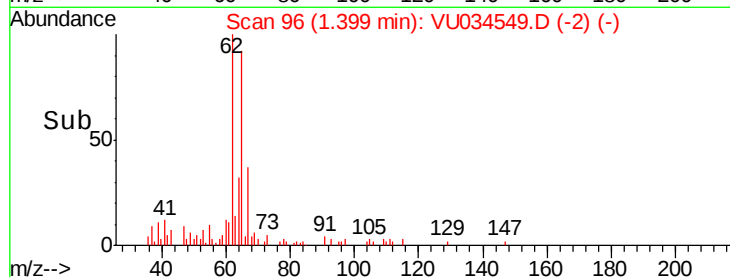
3000

2000

1000

0

Time-->



#6

Bromomethane

Concen: 0.355 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034549.D

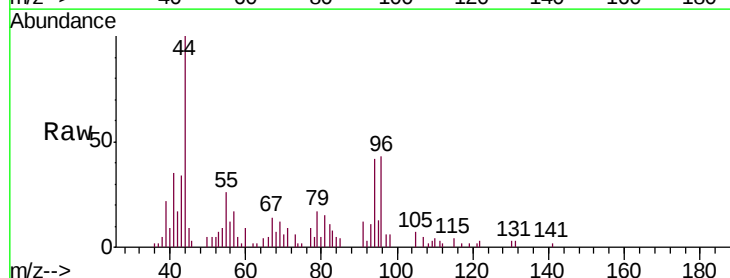
Acq: 15 Sep 2019 07:36

Tgt Ion: 94 Resp: 3035

Ion Ratio Lower Upper

94 100

96 102.2 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU034551.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034551.D (-155) (-)

1.62

2500

2000

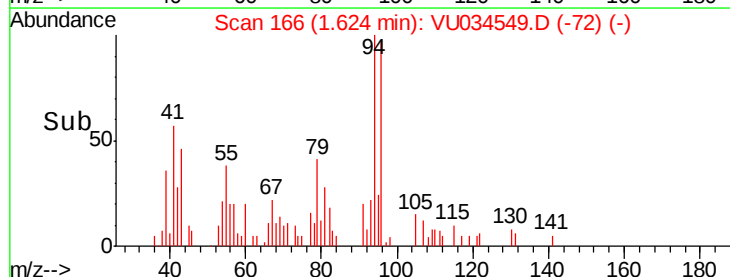
1500

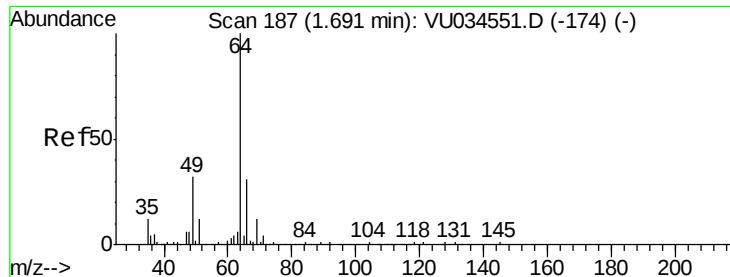
1000

500

0

Time-->





#8

Chloroethane

Concen: 0.285 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

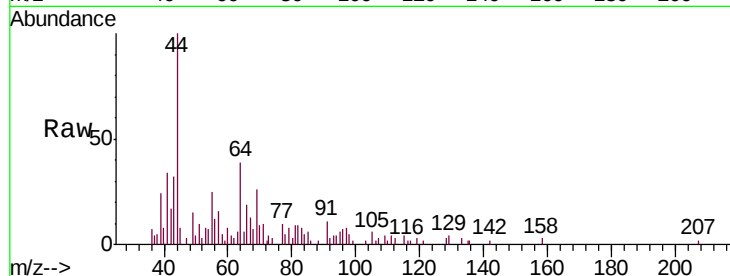
VSTD0.502

Tgt Ion: 64 Resp: 3258

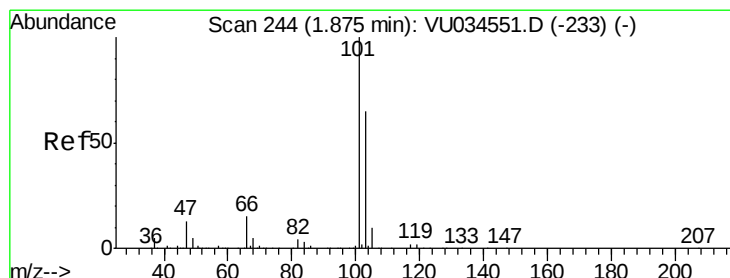
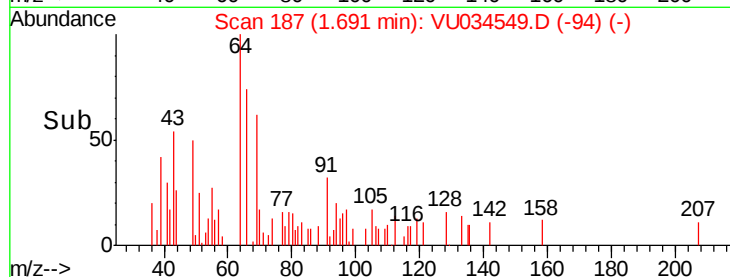
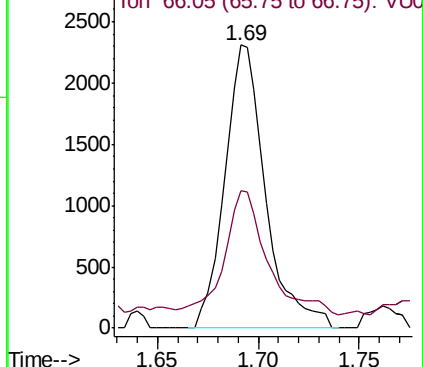
Ion Ratio Lower Upper

64 100

66 48.4 22.1 41.1#



Abundance Ion 64.10 (63.80 to 64.80): VU034551.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 0.383 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.01 min

Lab File: VU034549.D

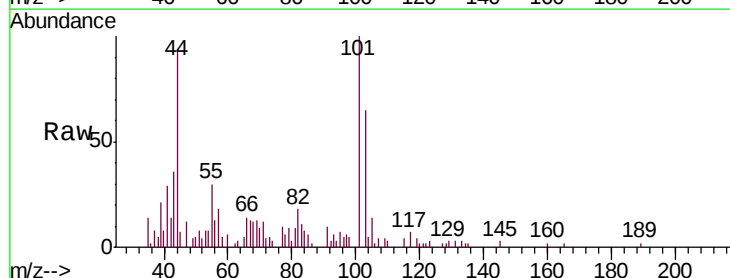
Acq: 15 Sep 2019 07:36

Tgt Ion: 101 Resp: 7841

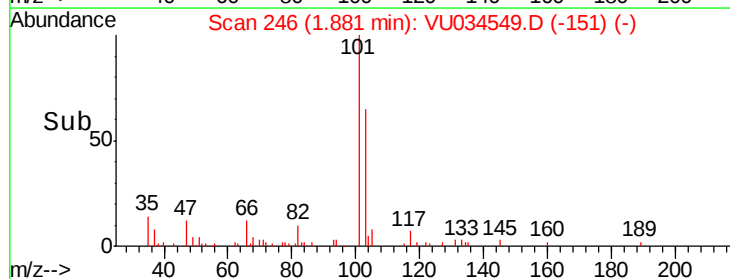
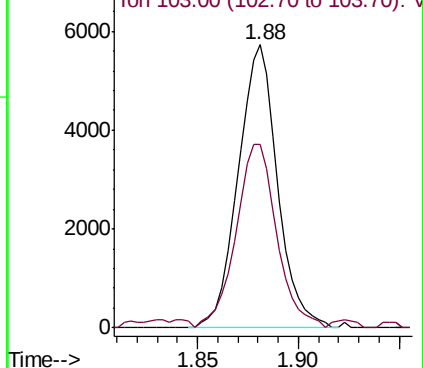
Ion Ratio Lower Upper

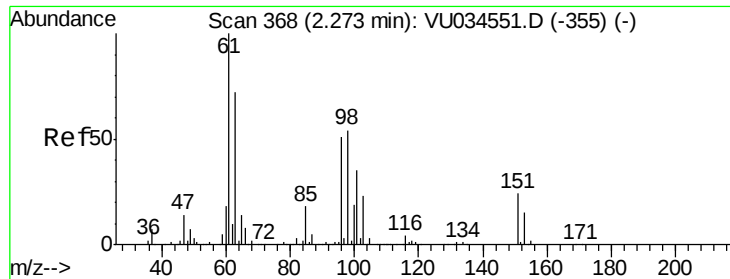
101 100

103 67.2 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU034551.D (-233) (-)





#10

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

Concen: 0.411 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

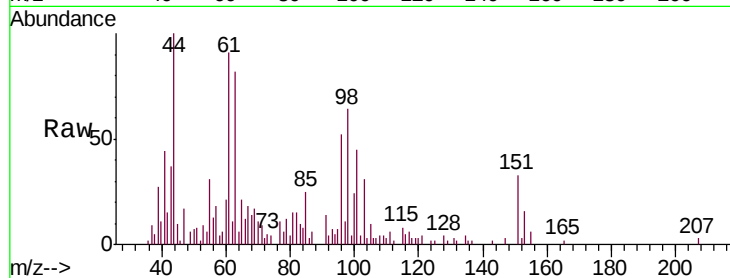
Tgt Ion:101 Resp: 4732

Ion Ratio Lower Upper

101 100

85 50.1 39.8 59.6

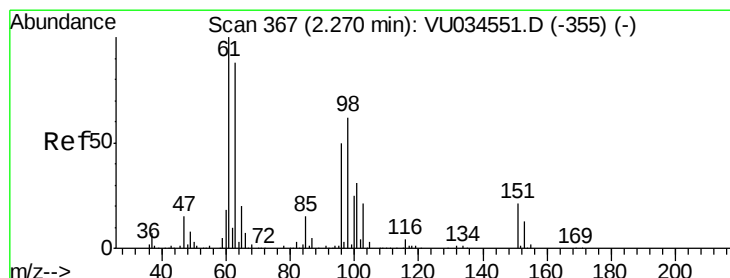
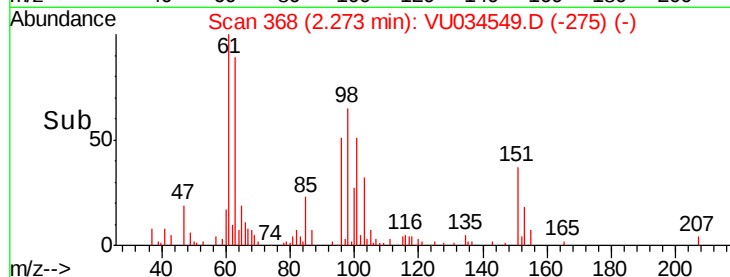
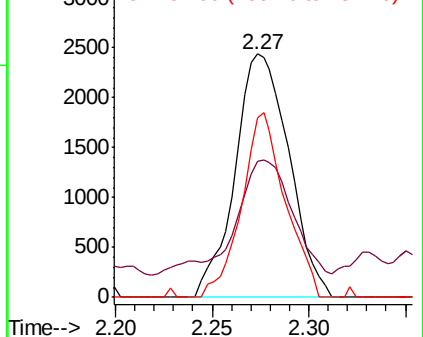
151 61.7 54.4 81.6



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: 0.350 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

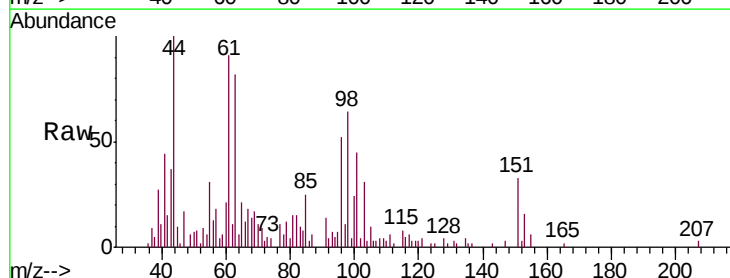
Tgt Ion: 96 Resp: 4024

Ion Ratio Lower Upper

96 100

61 176.4 139.0 258.2

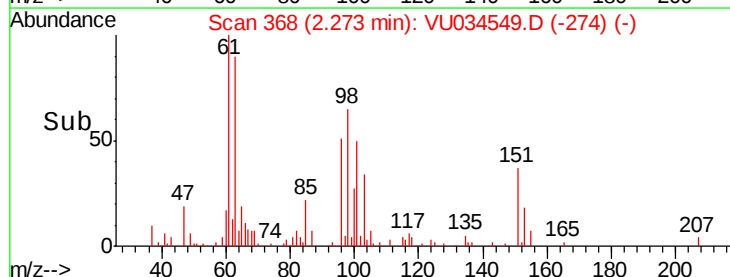
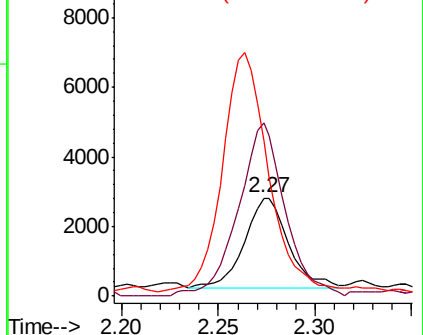
63 159.0 125.0 232.2

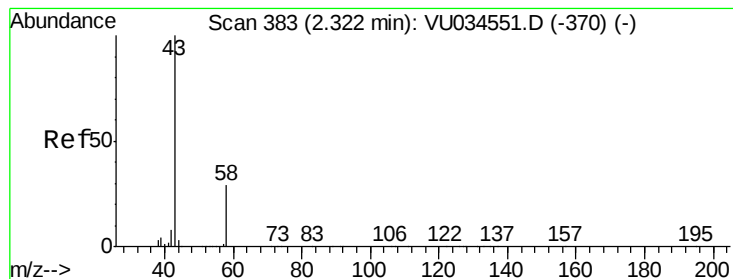


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.102 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

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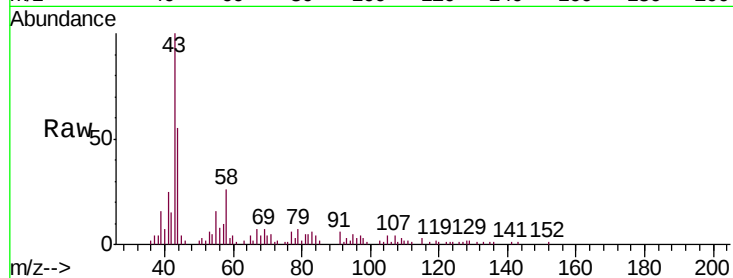
VSTD0.502

Tgt Ion: 43 Resp: 15983

Ion Ratio Lower Upper

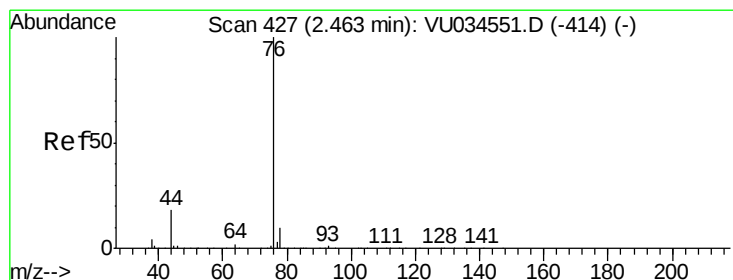
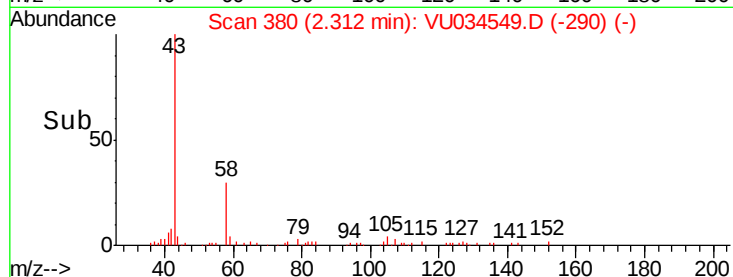
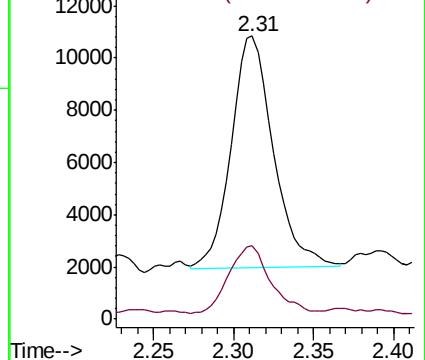
43 100

58 28.7 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.243 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034549.D

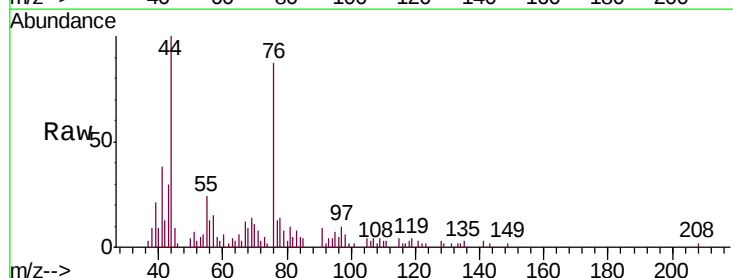
Acq: 15 Sep 2019 07:36

Tgt Ion: 76 Resp: 9637

Ion Ratio Lower Upper

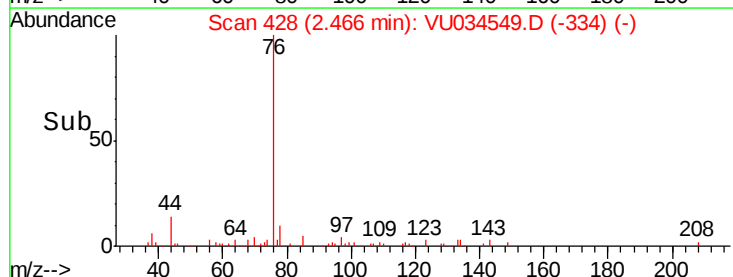
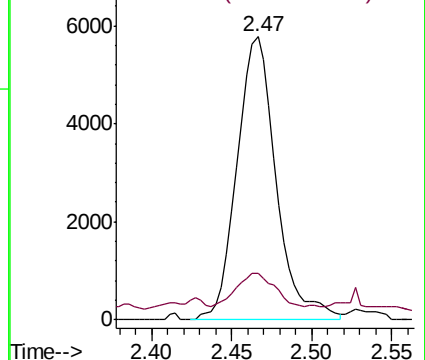
76 100

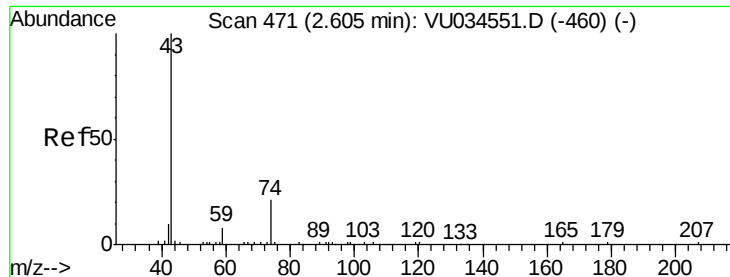
78 16.4 8.4 12.6#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 0.720 ug/L

RT: 2.60 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

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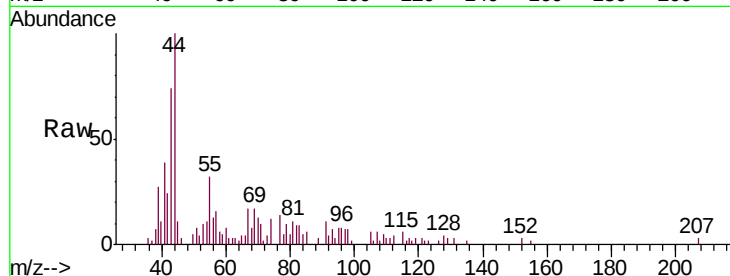
VSTD0.502

Tgt Ion: 43 Resp: 5061

Ion Ratio Lower Upper

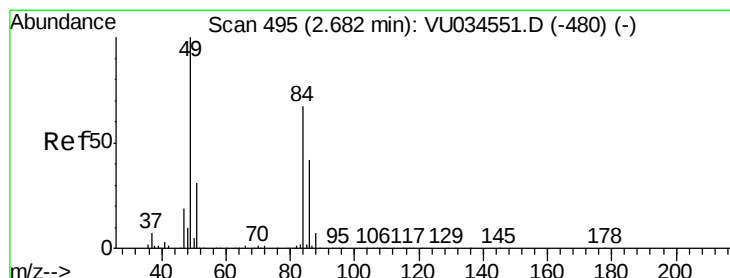
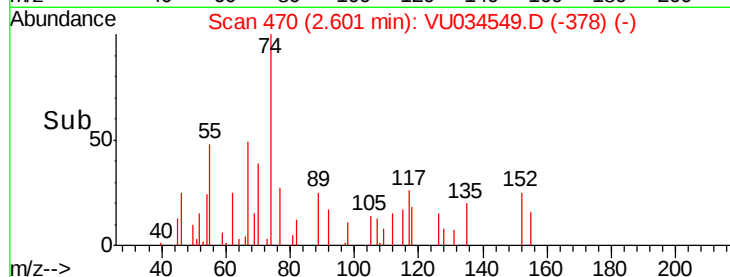
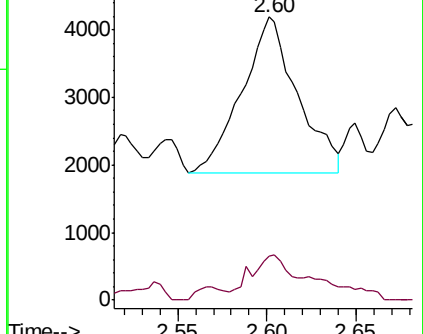
43 100

74 32.1 17.3 25.9#



Abundance Ion 43.05 (42.75 to 43.75): VU034551.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU034551.D (-460) (-)



#16

Methylene chloride

Concen: 0.416 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

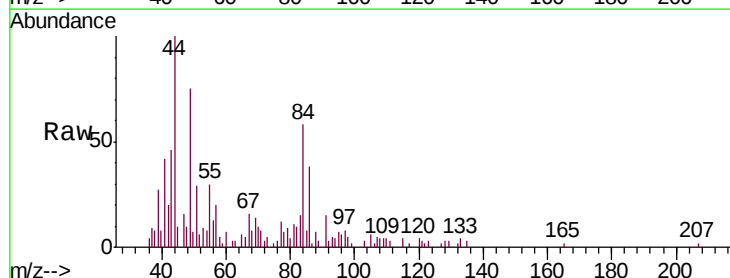
Tgt Ion: 84 Resp: 5817

Ion Ratio Lower Upper

84 100

86 64.4 43.7 81.1

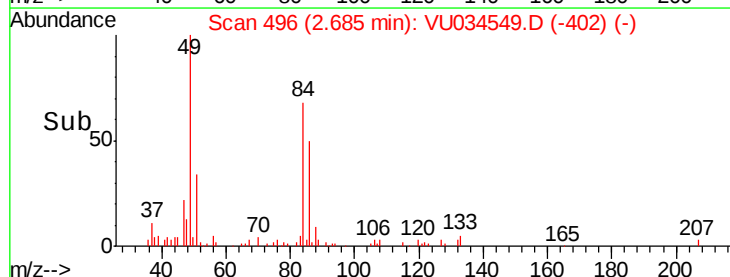
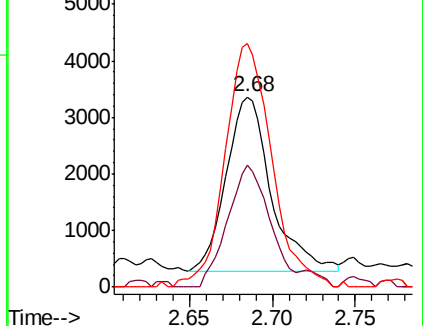
49 128.2 103.5 192.3

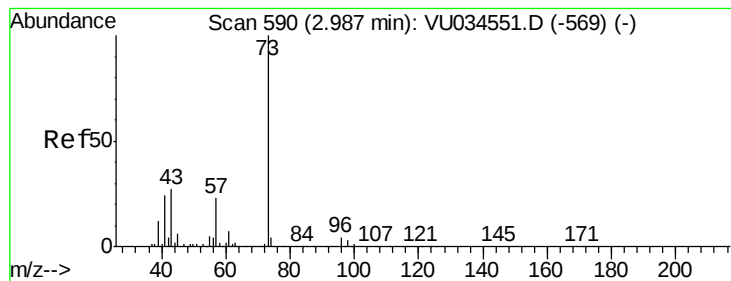


Abundance Ion 84.05 (83.75 to 84.75): VU034551.D (-480) (-)

Ion 86.00 (85.70 to 86.70): VU034551.D (-480) (-)

Ion 49.10 (48.80 to 49.80): VU034551.D (-480) (-)





#17

Methyl tert-butyl Ether

Concen: 0.474 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

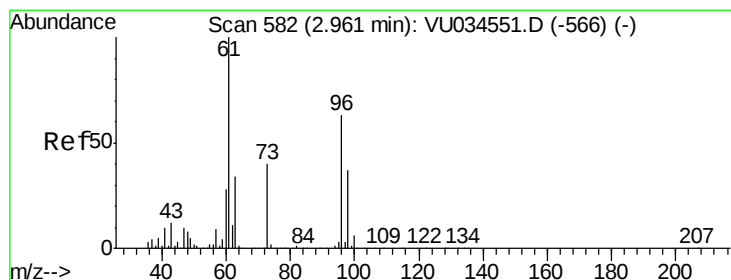
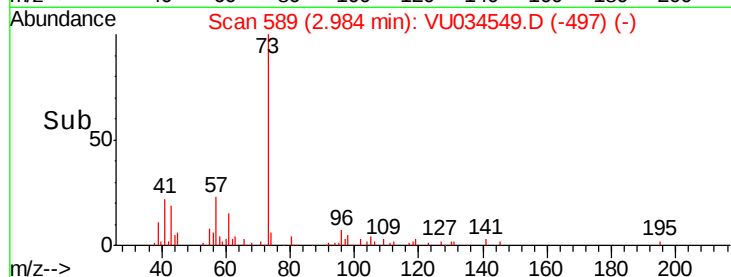
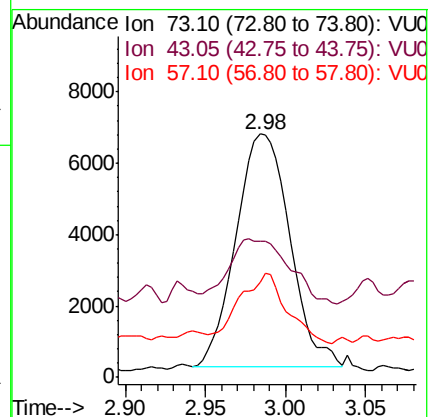
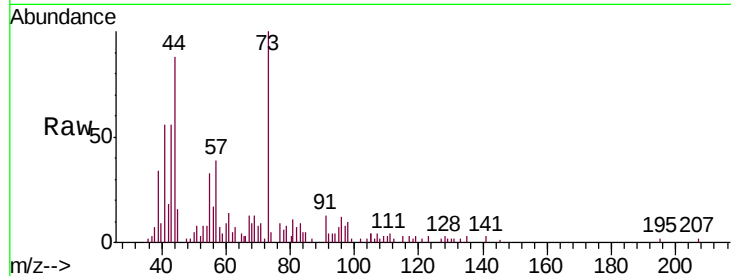
Tgt Ion: 73 Resp: 15049

Ion Ratio Lower Upper

73 100

43 30.9 20.9 31.3

57 28.7 18.6 27.8#



#18

trans-1,2-Dichloroethene

Concen: 0.341 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

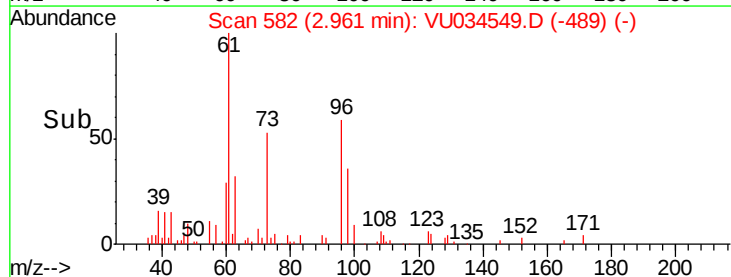
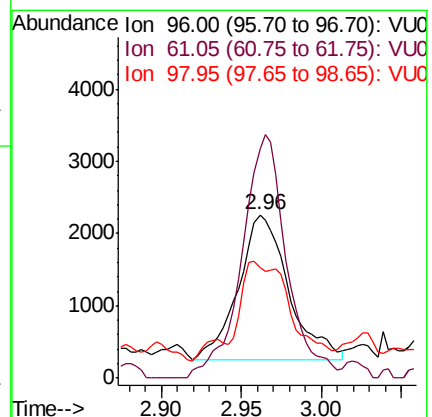
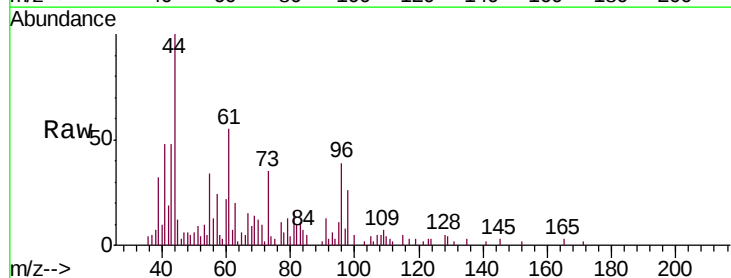
Tgt Ion: 96 Resp: 4285

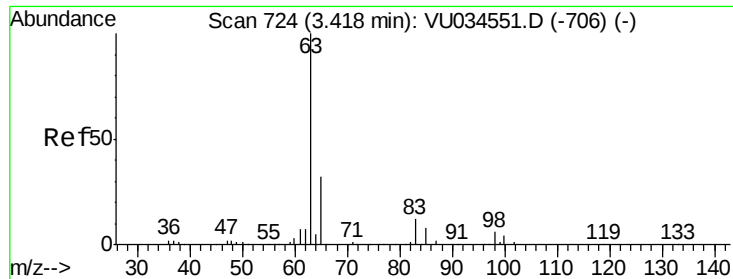
Ion Ratio Lower Upper

96 100

61 140.2 109.8 203.8

98 67.8 41.6 77.2

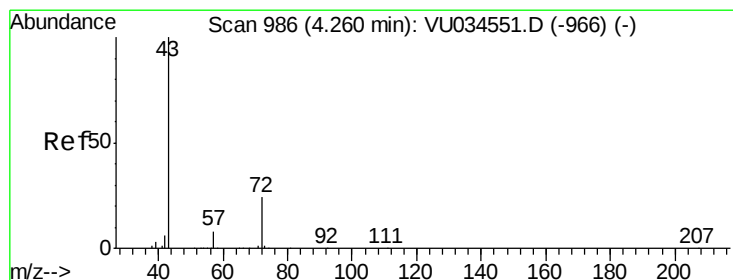
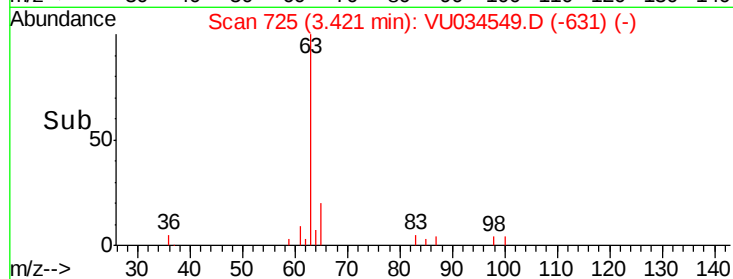
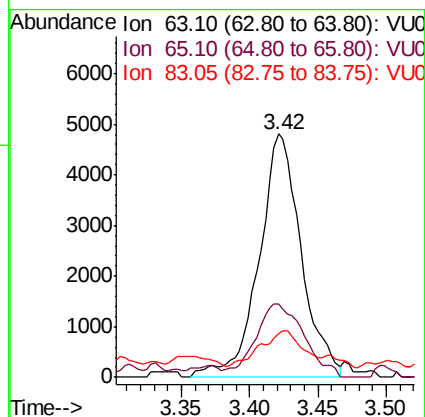
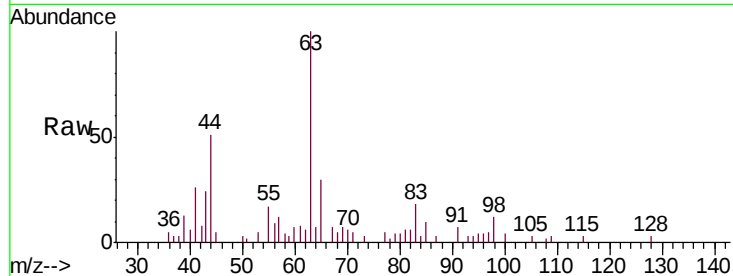




#19
 1,1-Dichloroethane
 Concen: 0.405 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

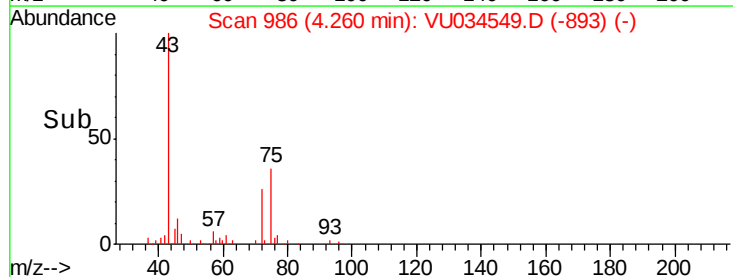
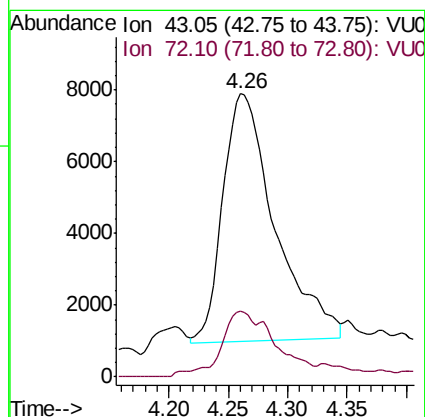
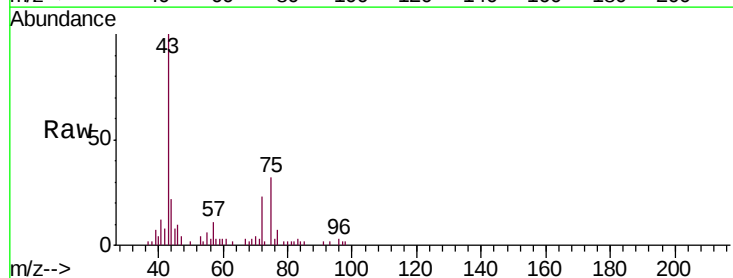
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

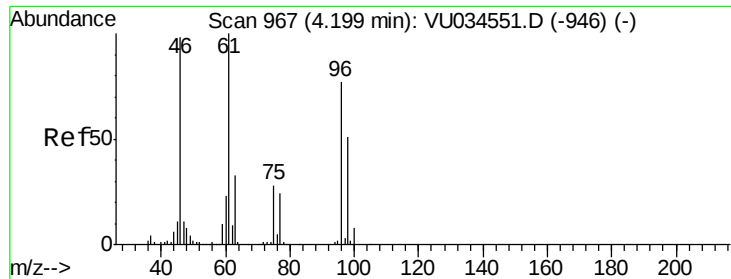
Tgt Ion: 63 Resp: 10332
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.3 41.5
 83 18.0 8.7 16.1#



#21
 2-Butanone
 Concen: 5.503 ug/L
 RT: 4.26 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion: 43 Resp: 21111
 Ion Ratio Lower Upper
 43 100
 72 26.8 11.9 35.5



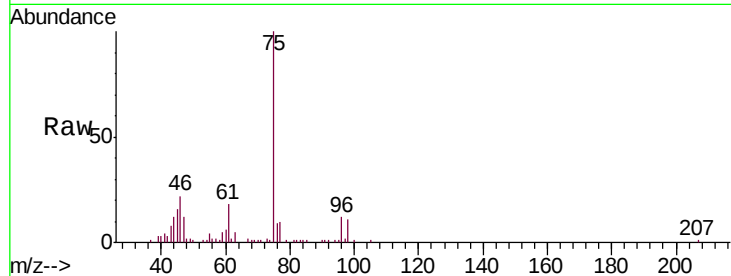


#22

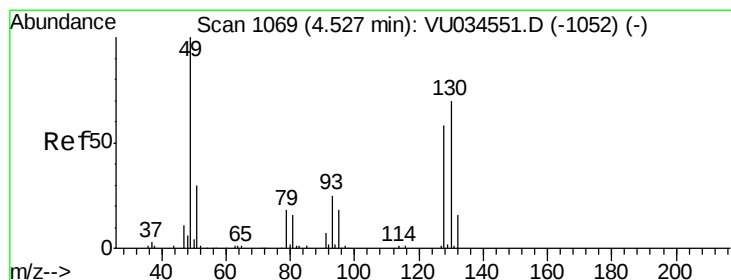
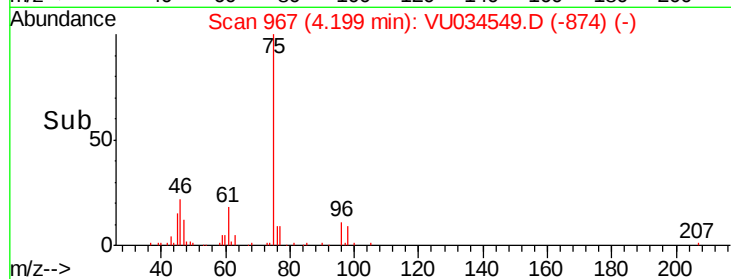
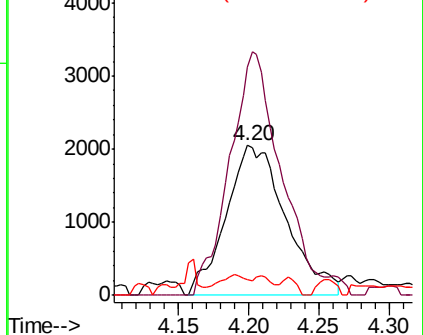
cis-1,2-Dichloroethene
 Concen: 0.447 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 96 Resp: 6087
 Ion Ratio Lower Upper
 96 100
 61 152.0 90.5 168.1
 68 10.4 0.0 0.0#



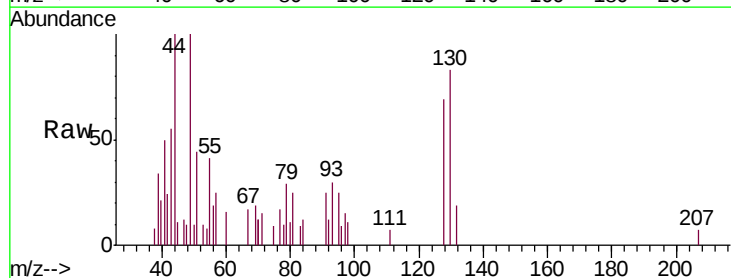
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



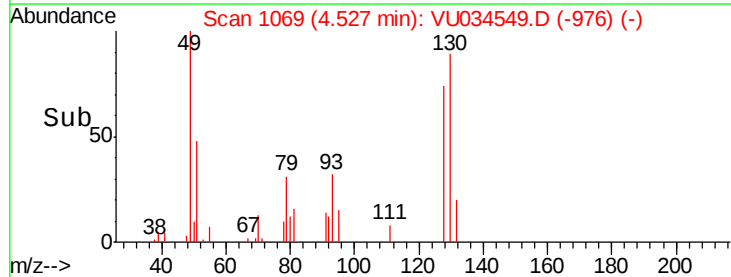
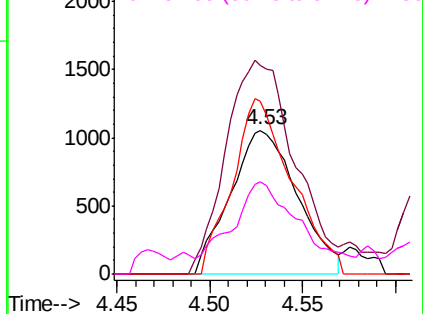
#23

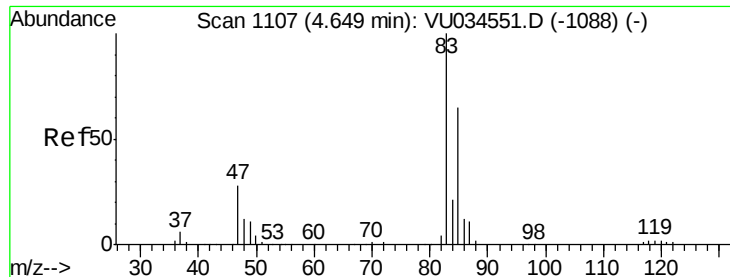
Bromochloromethane
 Concen: 0.436 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion: 128 Resp: 2657
 Ion Ratio Lower Upper
 128 100
 49 145.2 121.2 225.0
 130 120.6 84.4 156.7
 51 64.4 41.8 62.6#



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: 0.441 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

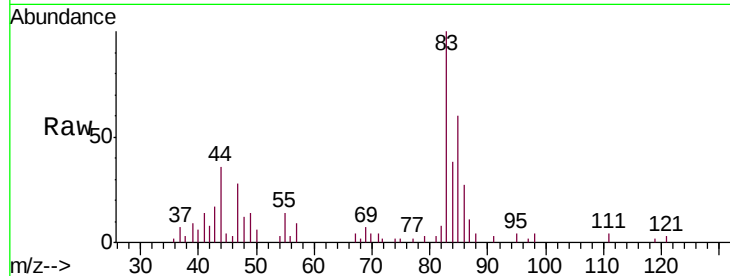
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion: 83 Resp: 11763

Ion Ratio Lower Upper

83 100

85 59.7 45.6 84.6

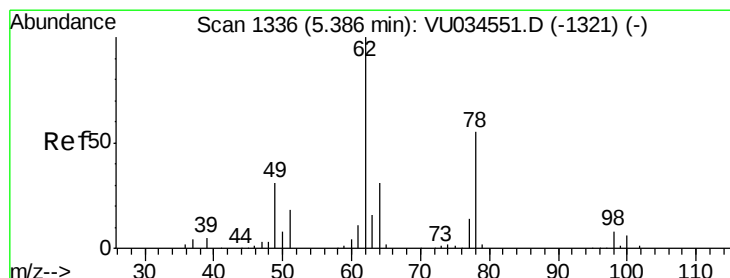
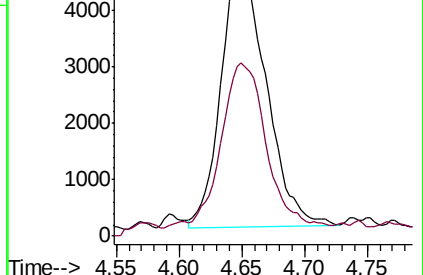
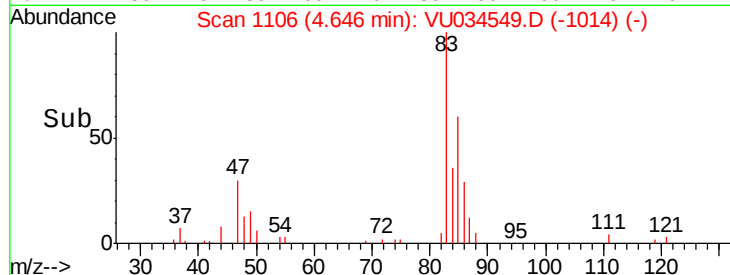


Abundance Ion 83.05 (82.75 to 83.75): VU034551.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU034551.D (-1088) (-)

4.65

Time-->



#27

1,2-Dichloroethane

Concen: 0.405 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU034549.D

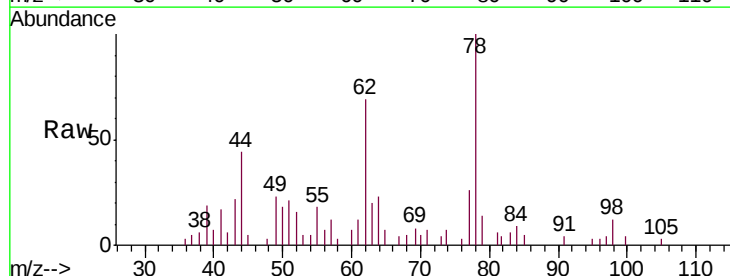
Acq: 15 Sep 2019 07:36

Tgt Ion: 62 Resp: 6355

Ion Ratio Lower Upper

62 100

98 17.6 7.1 10.7#

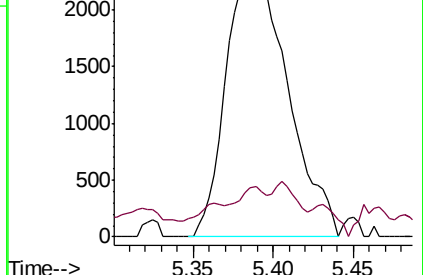
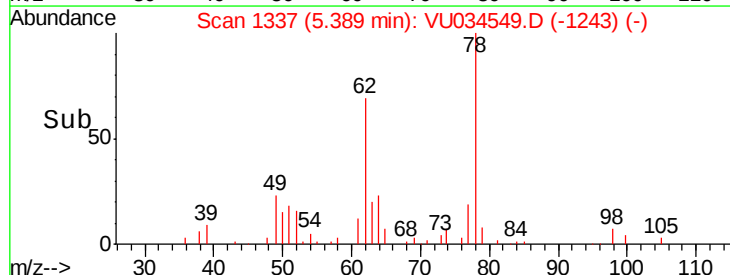


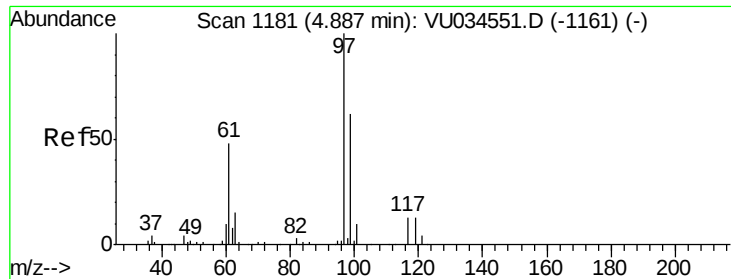
Abundance Ion 62.00 (61.70 to 62.70): VU034551.D (-1321) (-)

Ion 98.05 (97.75 to 98.75): VU034551.D (-1321) (-)

5.39

Time-->

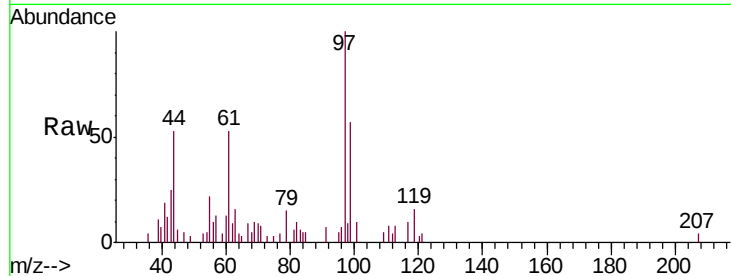




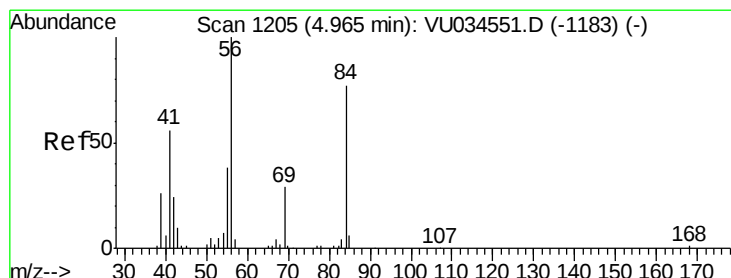
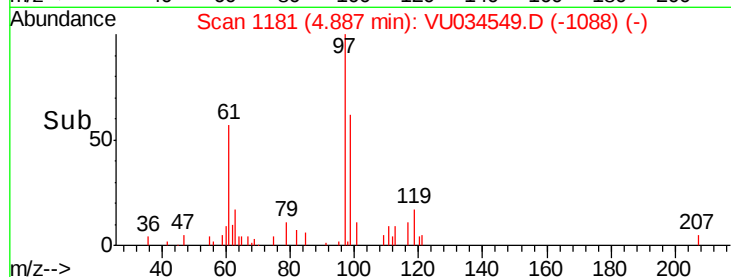
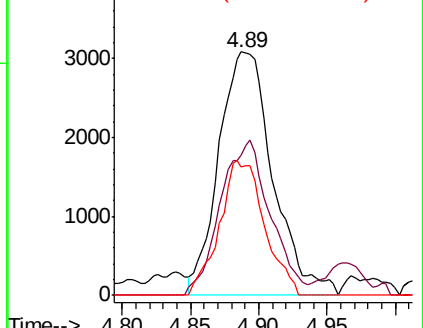
#29
 1,1,1-Trichloroethane
 Concen: 0.465 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 97 Resp: 8504
 Ion Ratio Lower Upper
 97 100
 99 58.6 51.5 77.3
 61 45.9 38.5 57.7

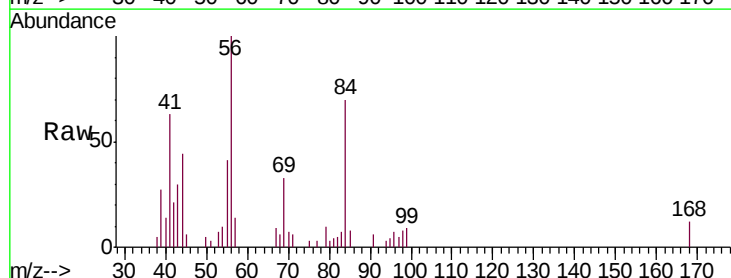


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

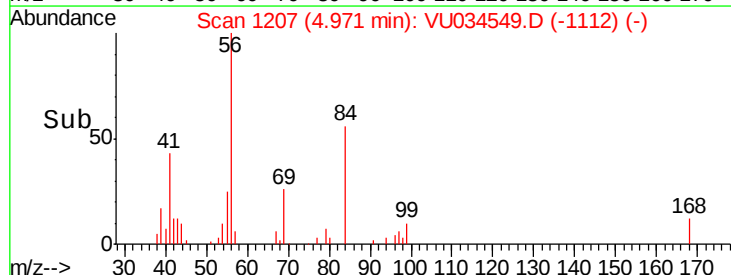
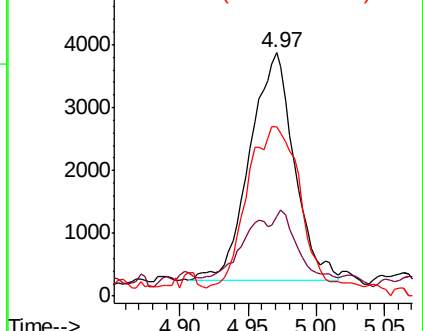


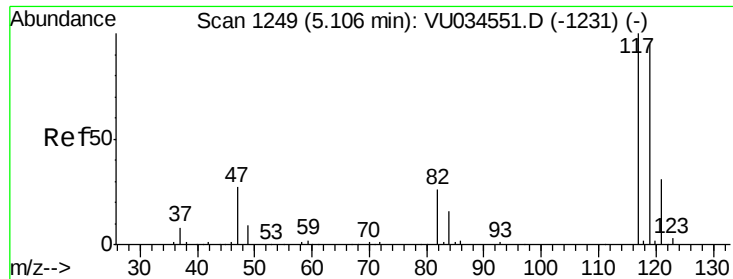
#30
 Cyclohexane
 Concen: 0.464 ug/L
 RT: 4.97 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion: 56 Resp: 8176
 Ion Ratio Lower Upper
 56 100
 69 15.8 25.6 38.4#
 84 92.1 66.4 99.6



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: 0.407 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

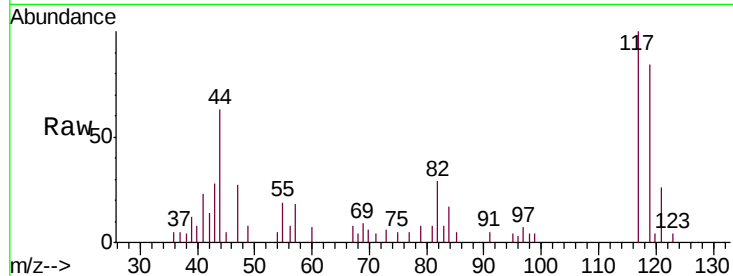
VSTD0.502

Tgt Ion:117 Resp: 6477

Ion Ratio Lower Upper

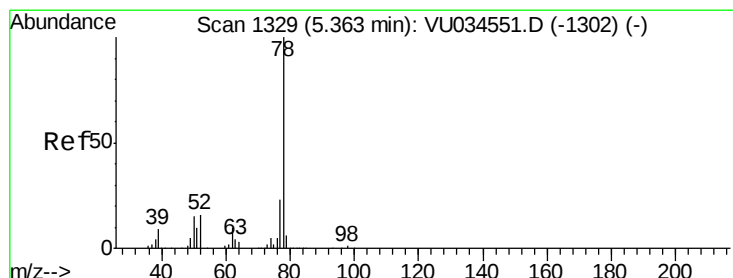
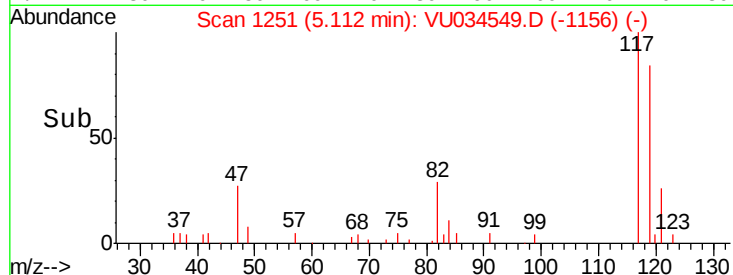
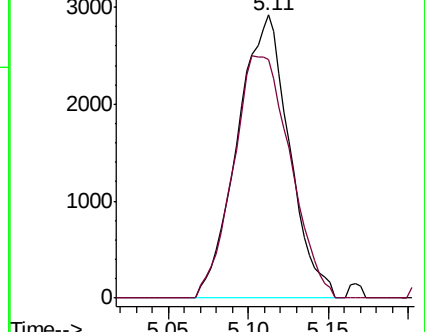
117 100

119 94.2 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: 0.434 ug/L

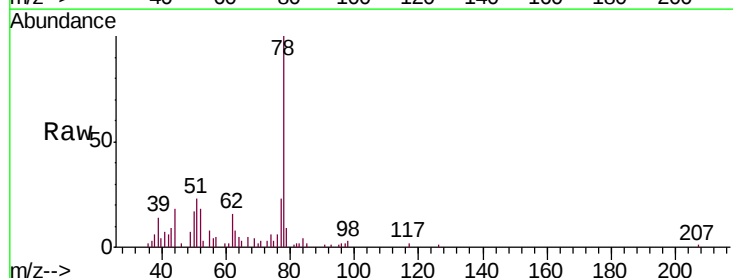
RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

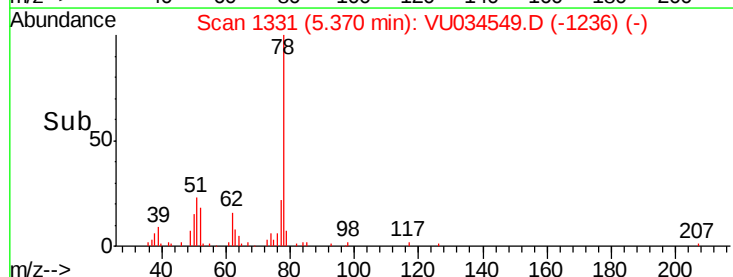
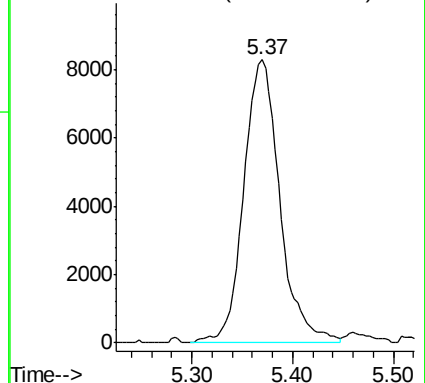
Lab File: VU034549.D

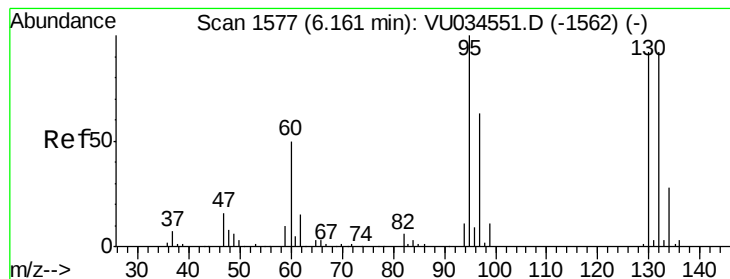
Acq: 15 Sep 2019 07:36

Tgt Ion: 78 Resp: 20618



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.400 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

Tgt Ion: 95 Resp: 4919

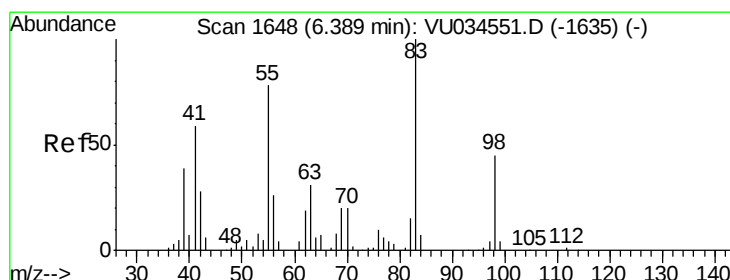
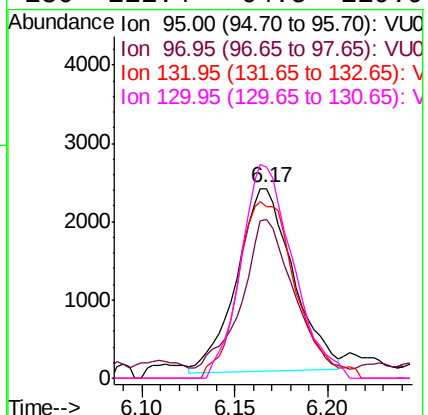
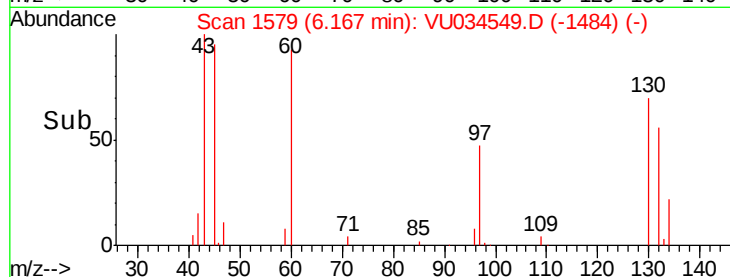
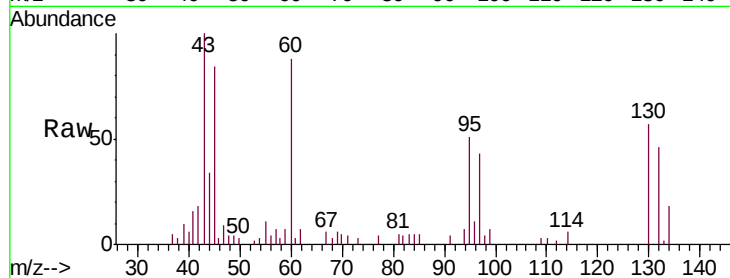
Ion Ratio Lower Upper

95 100

97 83.8 44.4 82.5#

132 90.3 64.8 120.3

130 111.4 64.5 119.9



#35

Methylcyclohexane

Concen: 0.533 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

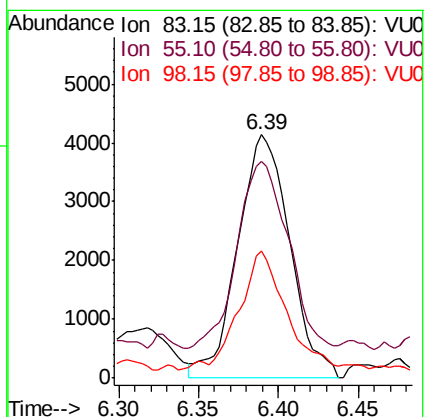
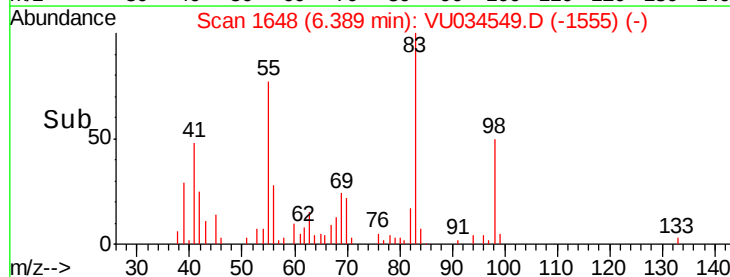
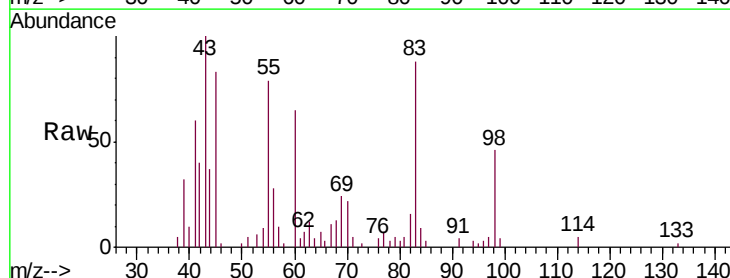
Tgt Ion: 83 Resp: 9273

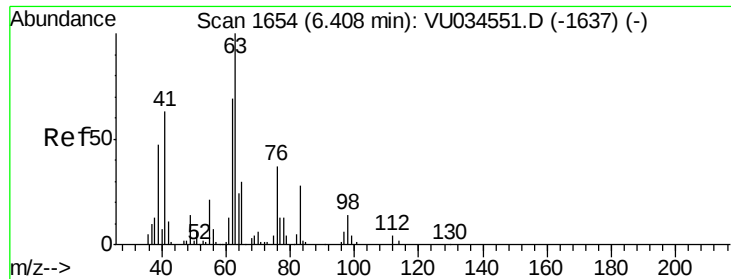
Ion Ratio Lower Upper

83 100

55 74.4 63.6 95.4

98 40.3 38.4 57.6

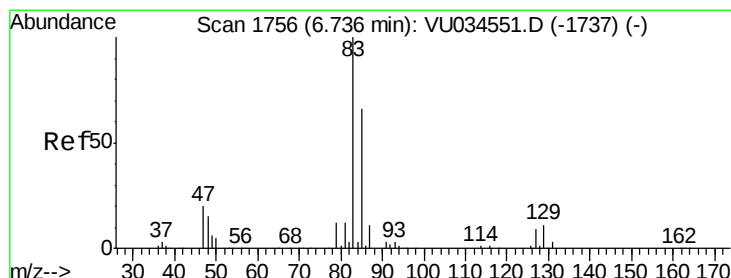
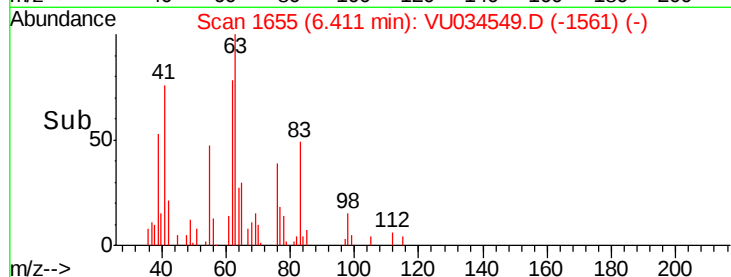
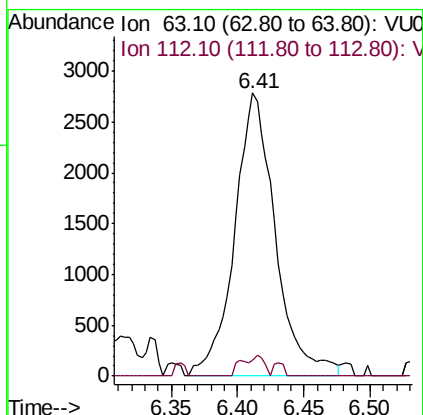
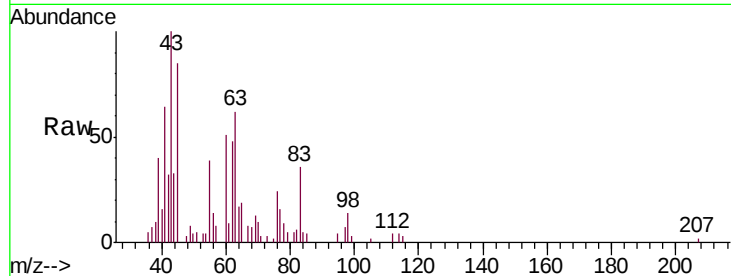




#37
 1,2-Dichloropropane
 Concen: 0.452 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

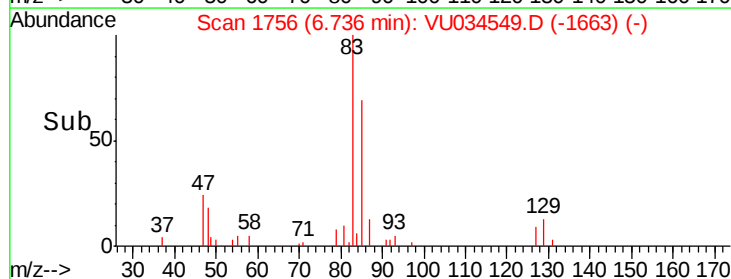
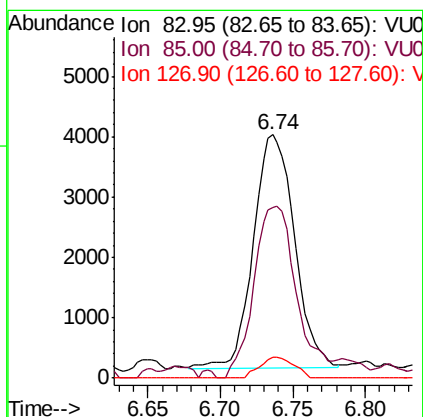
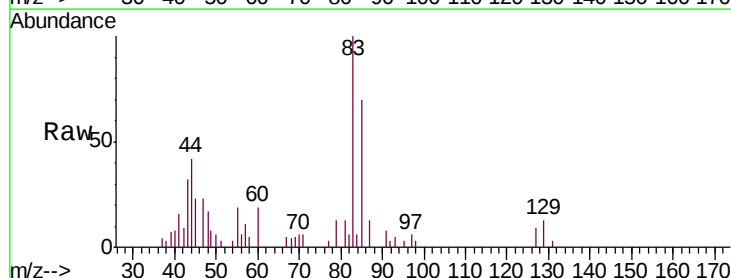
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

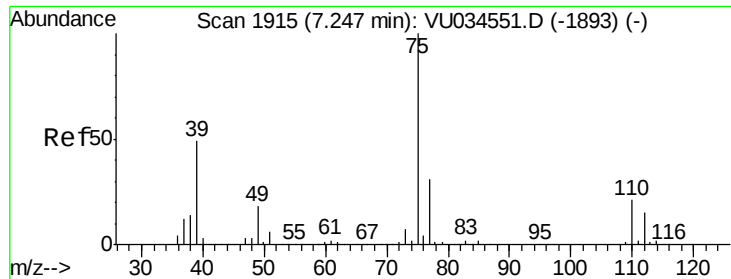
Tgt Ion: 63 Resp: 5973
 Ion Ratio Lower Upper
 63 100
 112 2.2 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 0.471 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion: 83 Resp: 7654
 Ion Ratio Lower Upper
 83 100
 85 70.3 46.5 86.5
 127 8.6 7.0 10.4

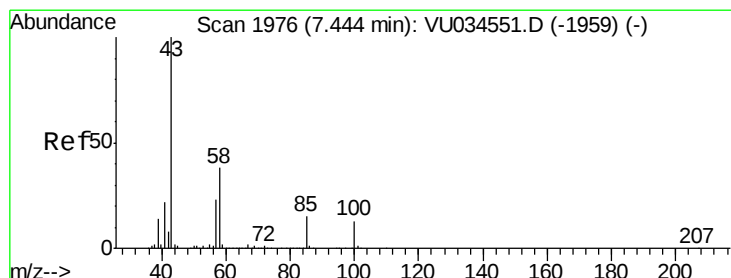
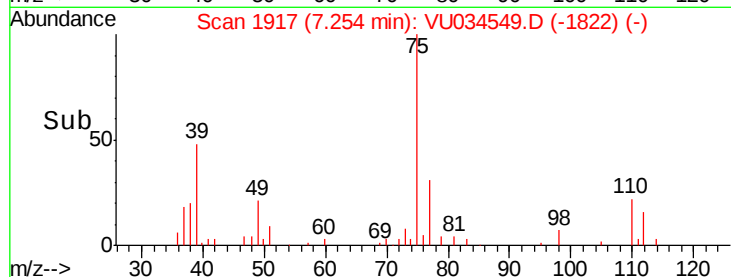
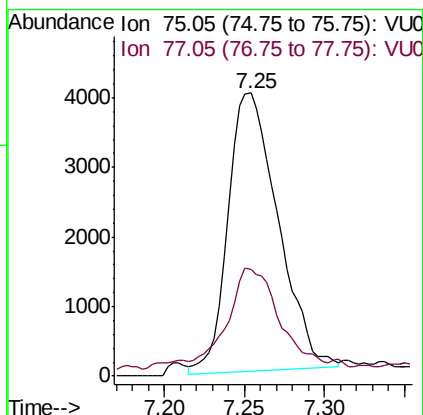
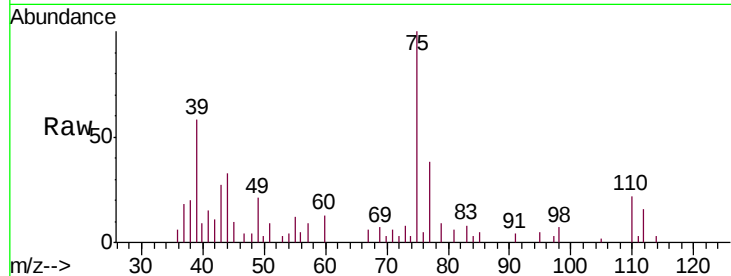




#39
 cis-1,3-Dichloropropene
 Concen: 0.478 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

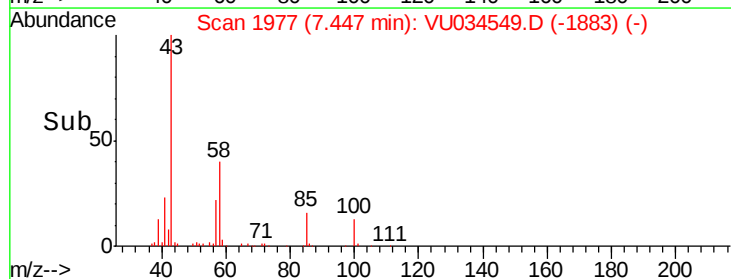
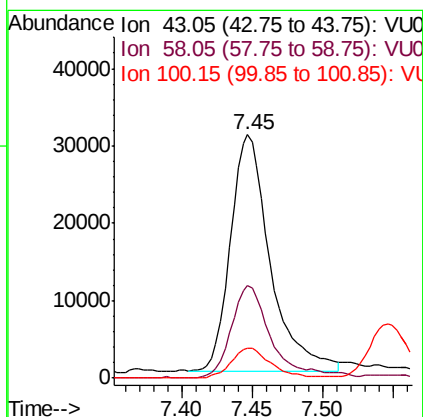
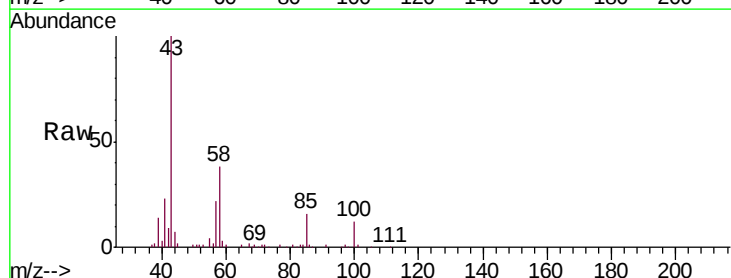
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

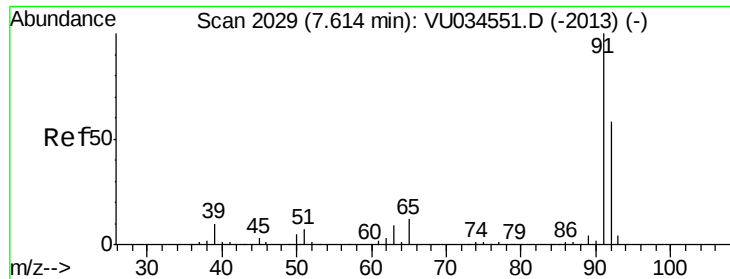
Tgt Ion: 75 Resp: 8533
 Ion Ratio Lower Upper
 75 100
 77 37.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 7.236 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion: 43 Resp: 59886
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.0 45.0
 100 13.2 10.5 15.7





#42

Toluene

Concen: 0.453 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

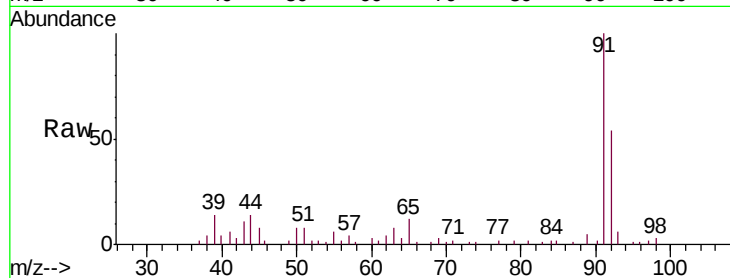
VSTD0.502

Tgt Ion: 91 Resp: 21674

Ion Ratio Lower Upper

91 100

92 54.0 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU034551.D (-2013) (-)

Ion 92.15 (91.85 to 92.85): VU034551.D (-2013) (-)

7.62

12000

10000

8000

6000

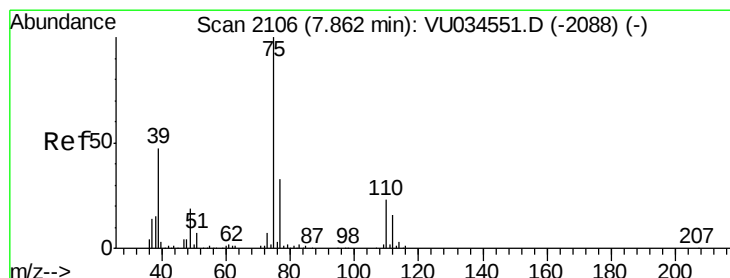
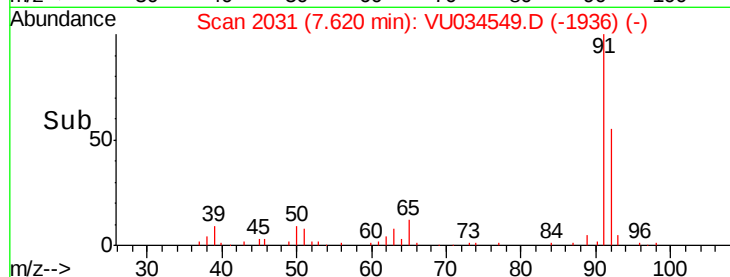
4000

2000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.566 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034549.D

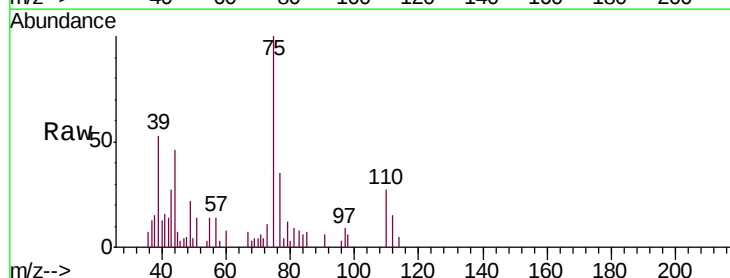
Acq: 15 Sep 2019 07:36

Tgt Ion: 75 Resp: 8199

Ion Ratio Lower Upper

75 100

77 35.1 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU034551.D (-2088) (-)

Ion 77.05 (76.75 to 77.75): VU034551.D (-2088) (-)

7.87

4000

3000

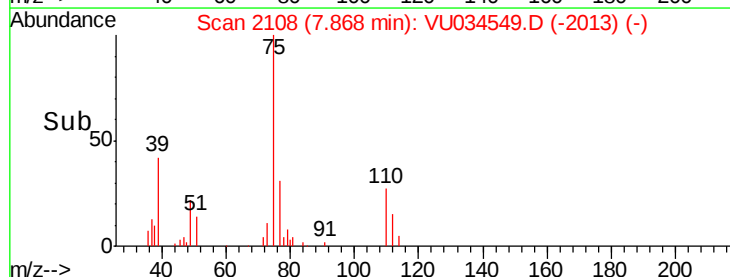
2000

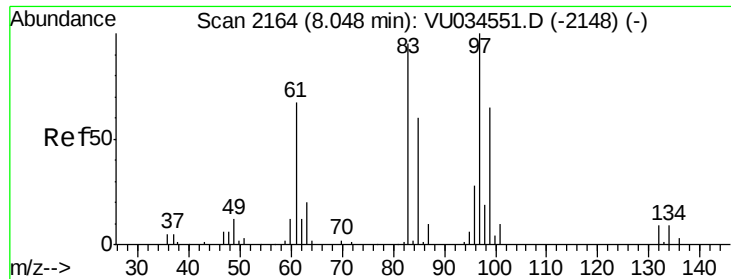
1000

0

7.80 7.85 7.90 7.95

Time-->

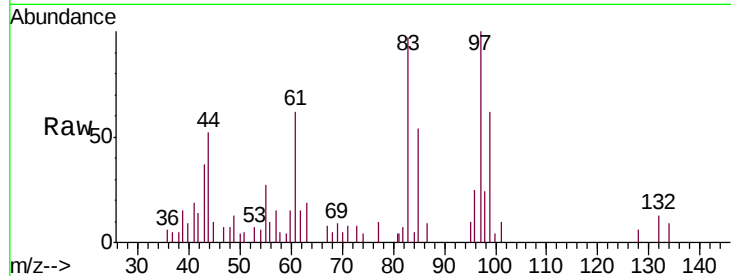




#45
 1,1,2-Trichloroethane
 Concen: 0.539 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:	97	Resp:	4824
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.5	84.5
83	96.6	66.8	124.2
85	54.4	42.6	79.0



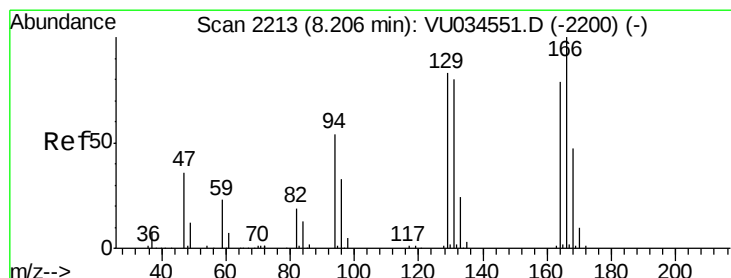
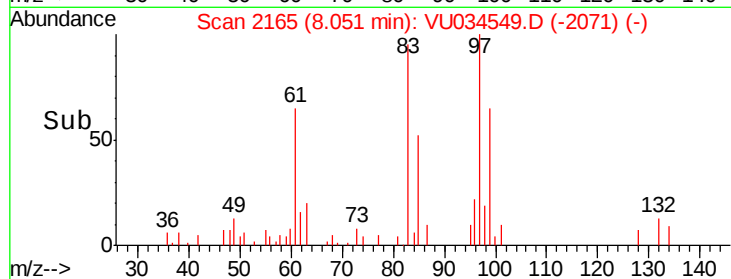
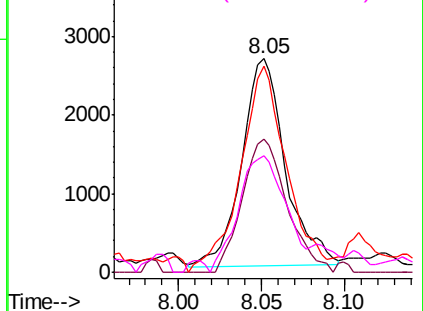
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

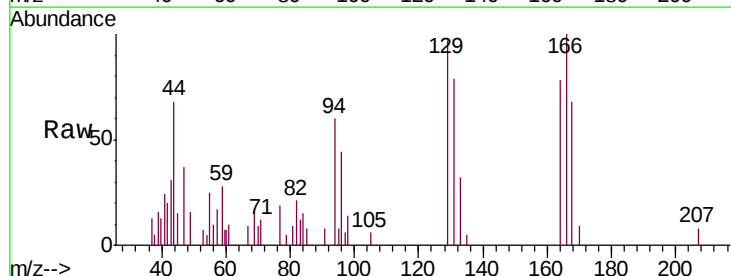
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 0.341 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion:	164	Resp:	3157
Ion	Ratio	Lower	Upper
164	100		
129	124.2	73.7	136.9
131	102.0	71.5	132.7
166	128.6	89.1	165.5



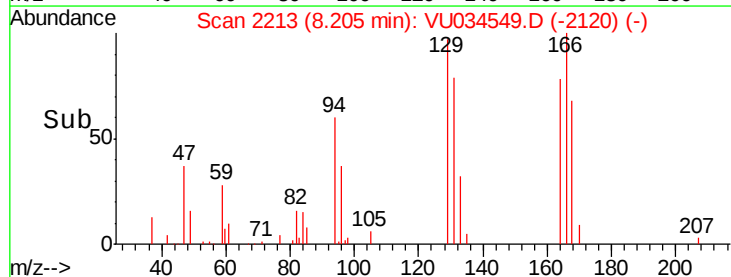
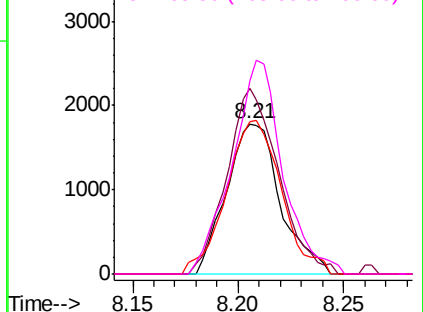
Abundance

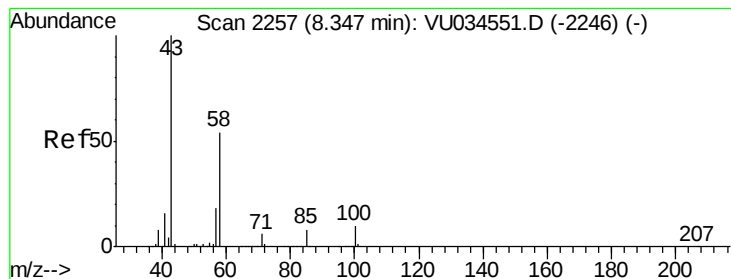
Ion 163.90 (163.60 to 164.60): V

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: 6.757 ug/L

RT: 8.35 min Scan# 2259

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

Tgt Ion: 43 Resp: 38784

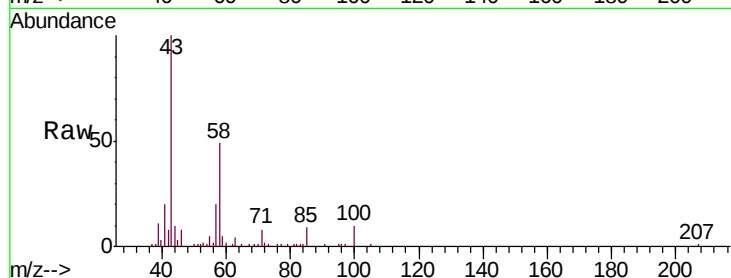
Ion Ratio Lower Upper

43 100

58 57.2 43.3 64.9

57 20.4 14.0 21.0

100 10.8 8.2 12.2

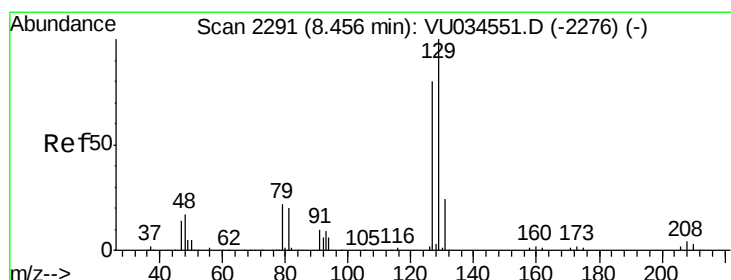
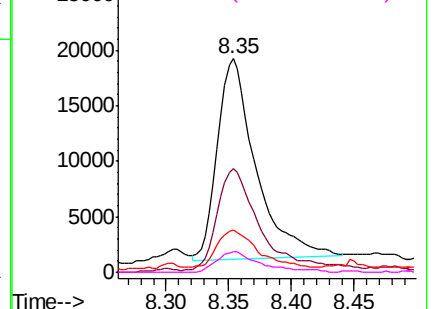
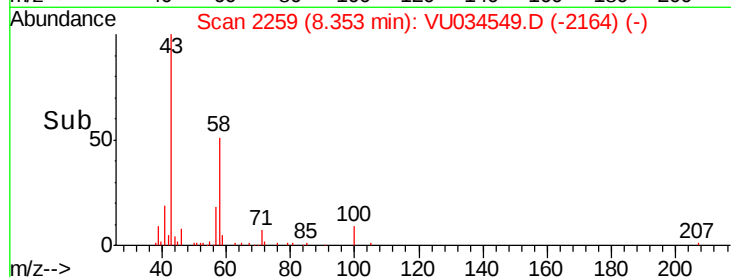


Abundance Ion 43.05 (42.75 to 43.75): VU034551.D (-2246) (-)

Ion 58.05 (57.75 to 58.75): VU034551.D (-2246) (-)

Ion 57.20 (56.90 to 57.90): VU034551.D (-2246) (-)

Ion 100.15 (99.85 to 100.85): VU034551.D (-2246) (-)



#49

Dibromochloromethane

Concen: 0.516 ug/L

RT: 8.46 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU034549.D

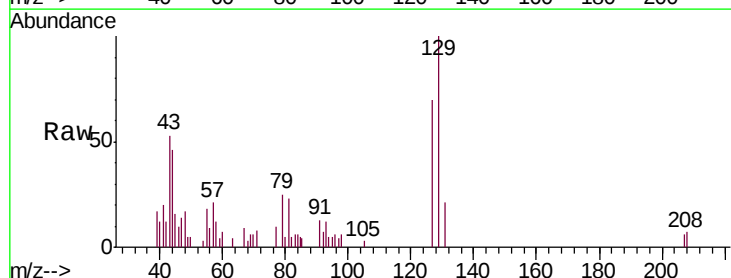
Acq: 15 Sep 2019 07:36

Tgt Ion: 129 Resp: 5502

Ion Ratio Lower Upper

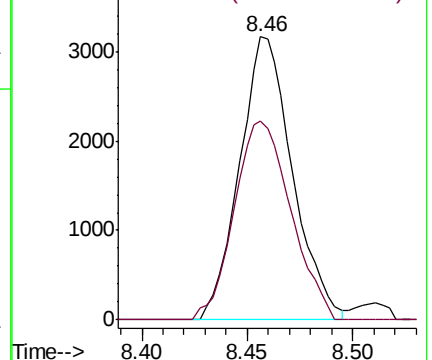
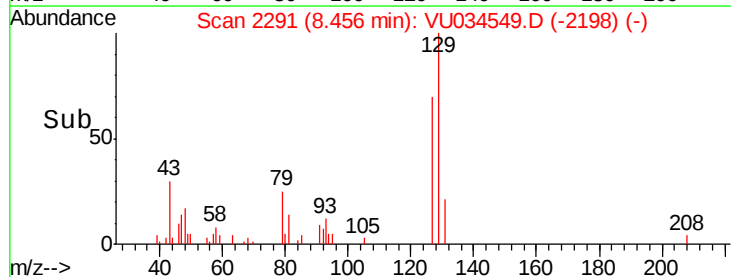
129 100

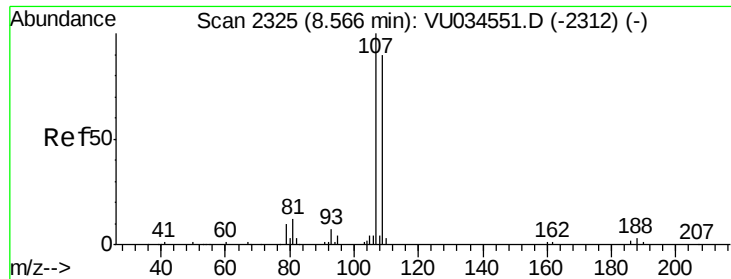
127 70.3 56.2 104.4



Abundance Ion 128.95 (128.65 to 129.65): VU034551.D (-2276) (-)

Ion 126.90 (126.60 to 127.60): VU034551.D (-2276) (-)





#50

1,2-Dibromoethane

Concen: 0.581 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

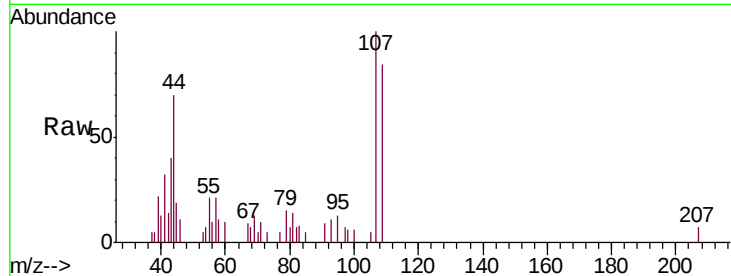
Tgt Ion:107 Resp: 4935

Ion Ratio Lower Upper

107 100

109 83.7 63.6 118.0

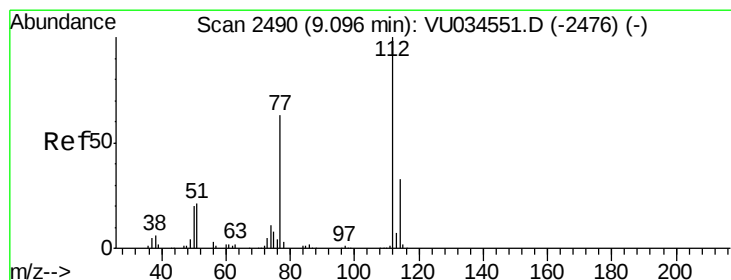
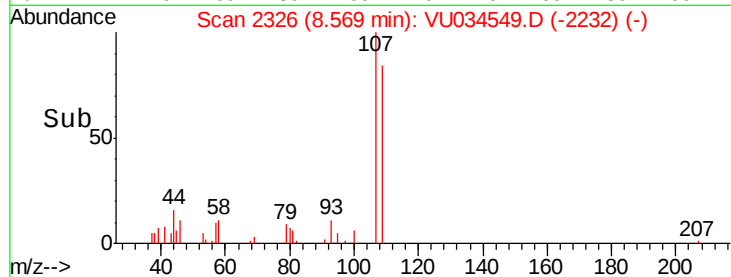
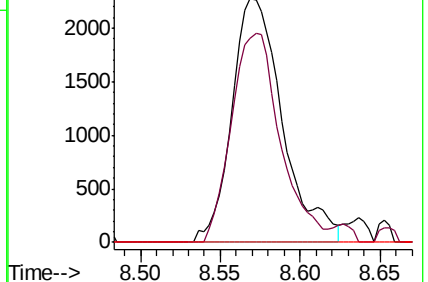
188 0.0 2.5 3.7#



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: 0.428 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

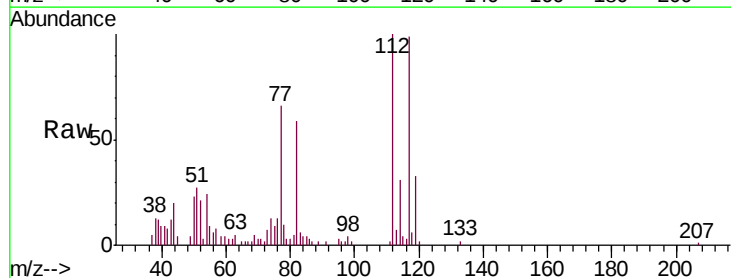
Tgt Ion:112 Resp: 13558

Ion Ratio Lower Upper

112 100

114 31.1 22.9 42.5

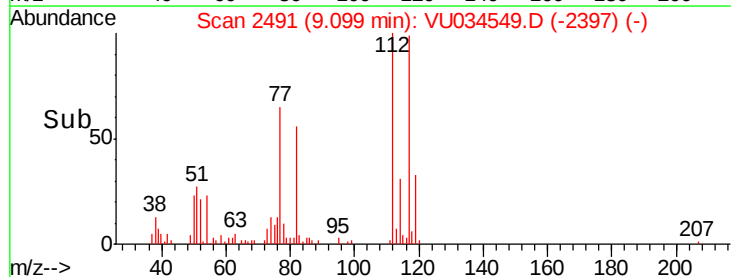
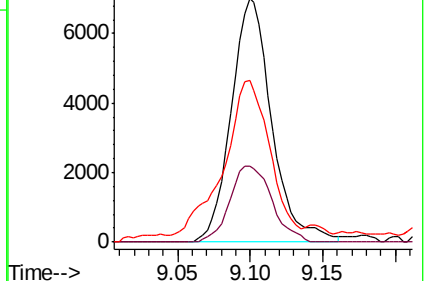
77 66.4 51.0 76.4

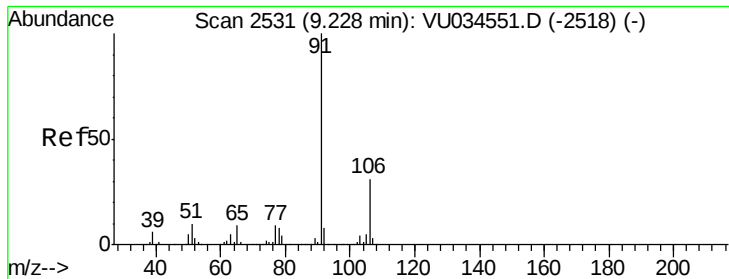


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.465 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

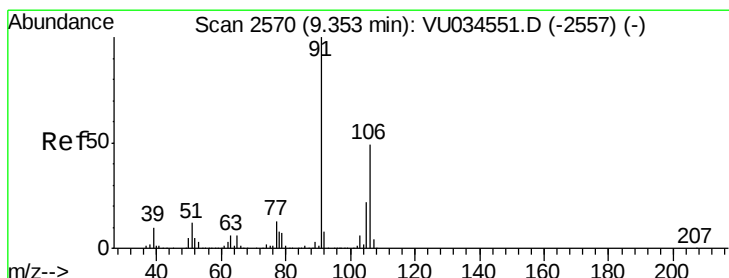
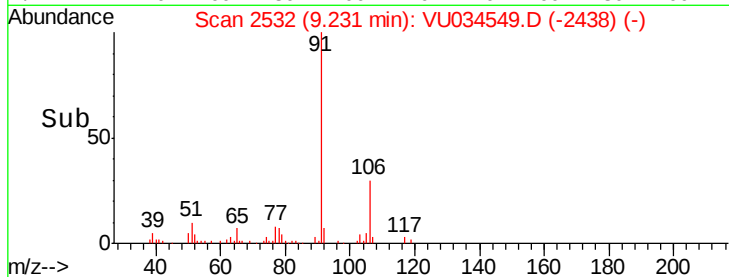
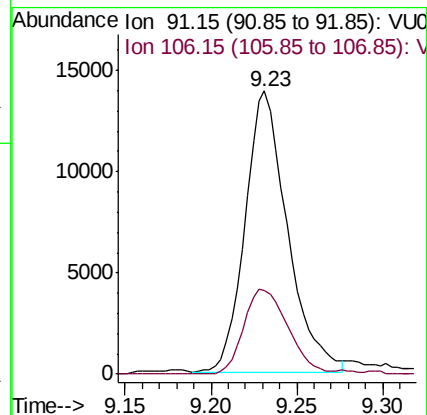
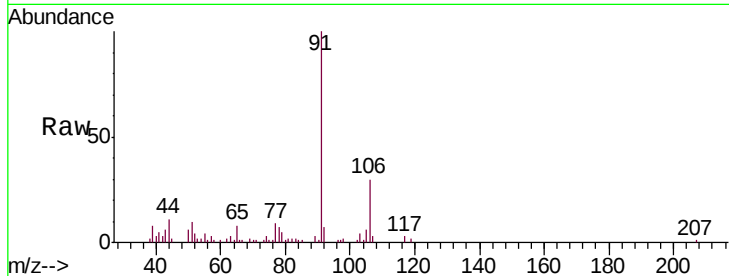
VSTD0.502

Tgt Ion: 91 Resp: 23755

Ion Ratio Lower Upper

91 100

106 29.8 21.7 40.3



#53

m,p-Xylene

Concen: 0.473 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034549.D

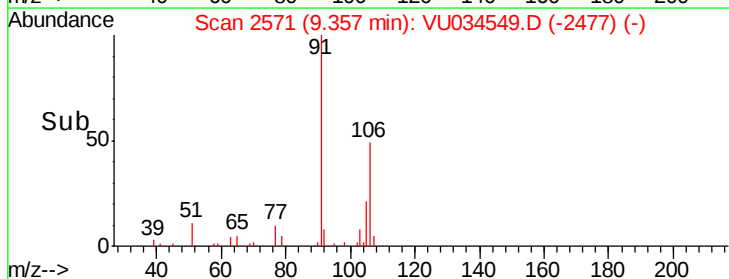
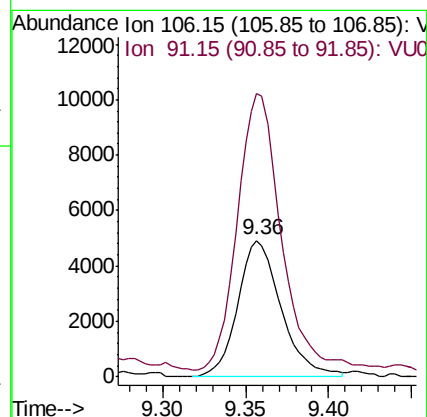
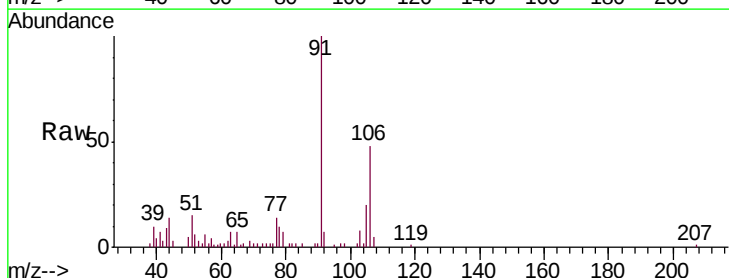
Acq: 15 Sep 2019 07:36

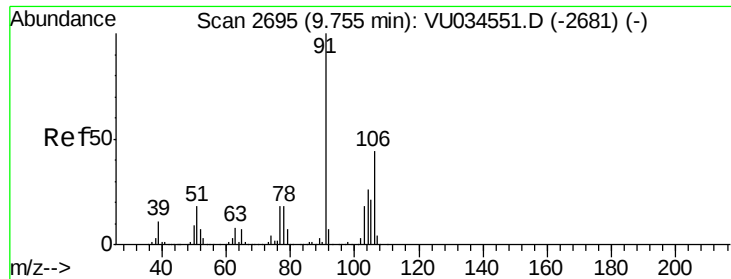
Tgt Ion: 106 Resp: 8975

Ion Ratio Lower Upper

106 100

91 207.9 144.3 267.9

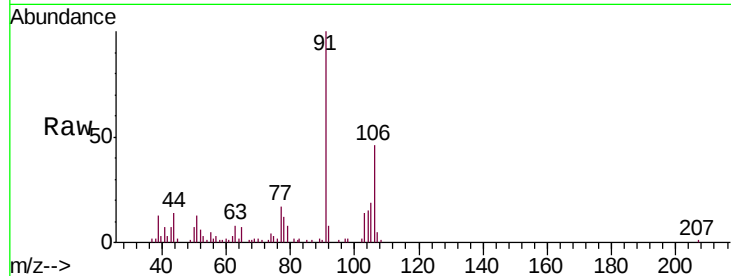




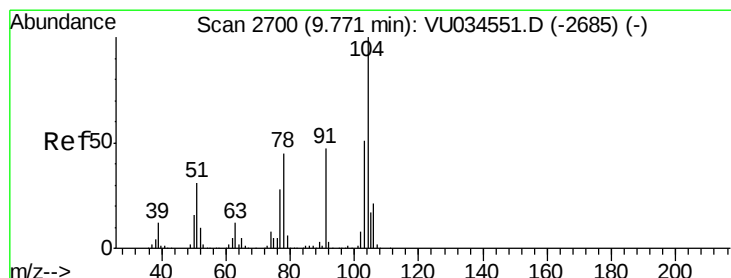
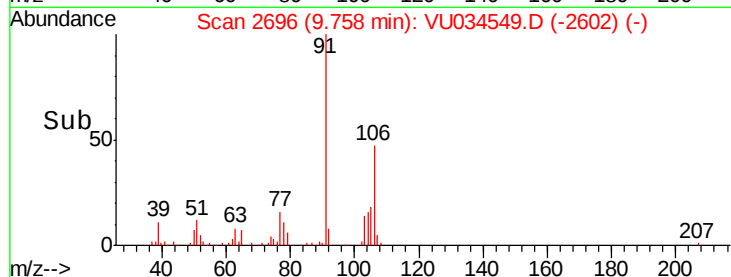
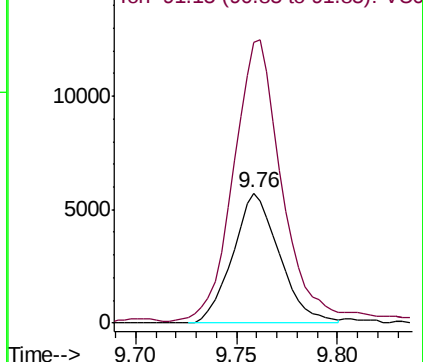
#54
o-Xylene
Concen: 0.512 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034549.D
Acq: 15 Sep 2019 07:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:106 Resp: 9273
Ion Ratio Lower Upper
106 100
91 215.8 158.7 294.7

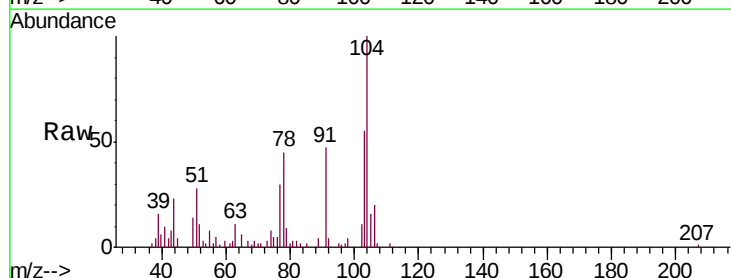


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

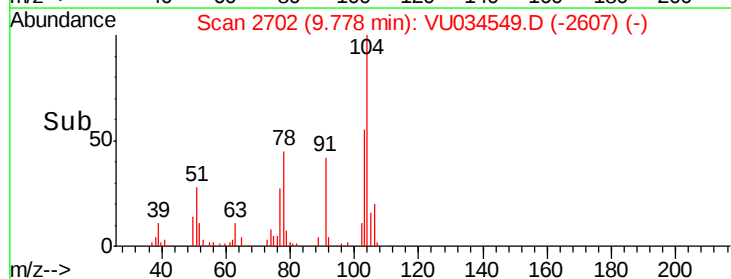
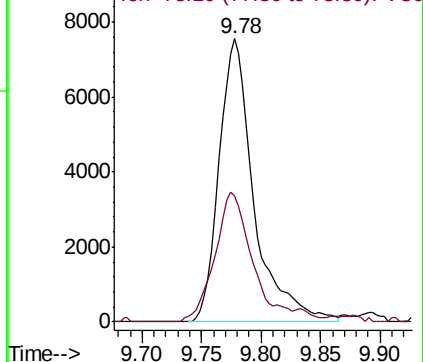


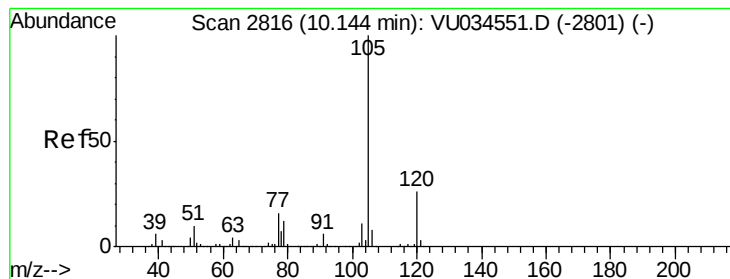
#55
Styrene
Concen: 0.494 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU034549.D
Acq: 15 Sep 2019 07:36

Tgt Ion:104 Resp: 15361
Ion Ratio Lower Upper
104 100
78 44.6 31.8 59.0



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





#56

Isopropylbenzene

Concen: 0.506 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

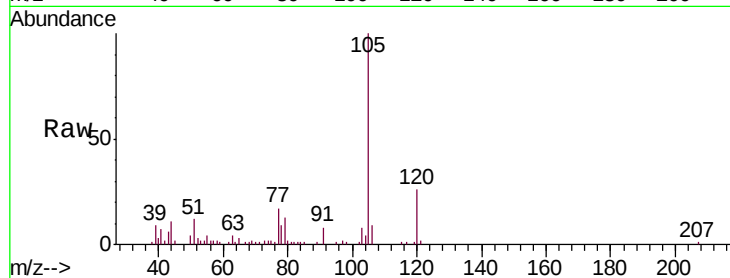
Tgt Ion:105 Resp: 24253

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

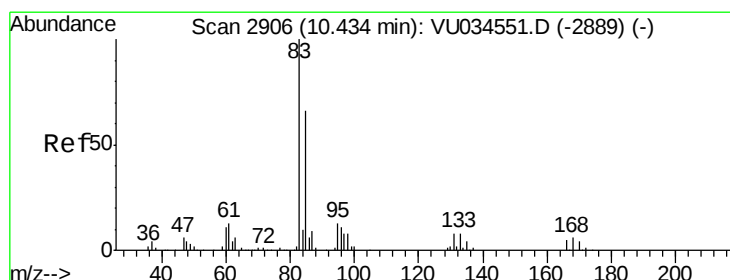
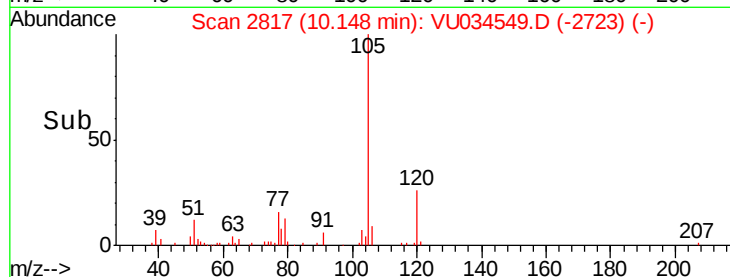
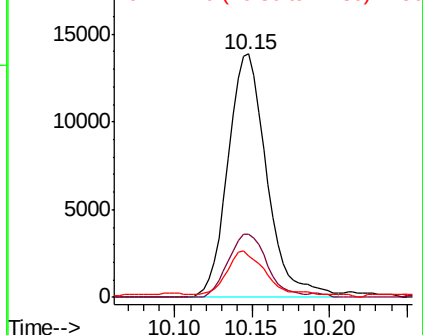
77 16.5 13.4 20.0



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: 0.603 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

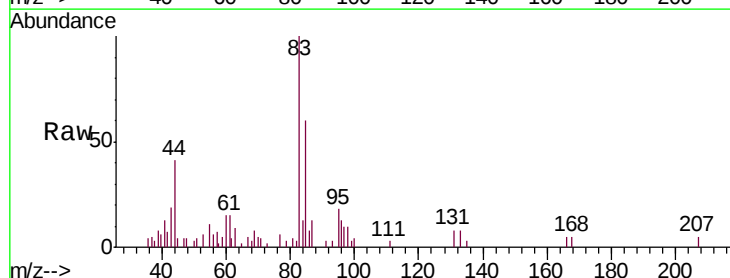
Tgt Ion: 83 Resp: 7210

Ion Ratio Lower Upper

83 100

85 59.7 46.2 85.8

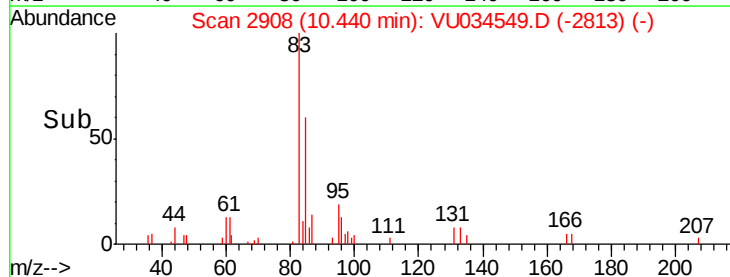
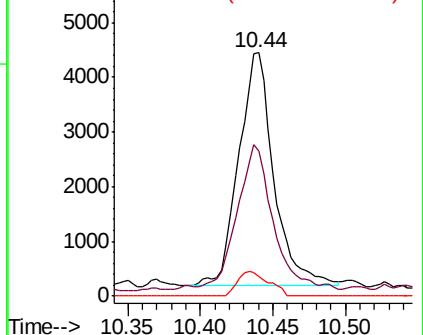
131 8.0 6.4 9.6

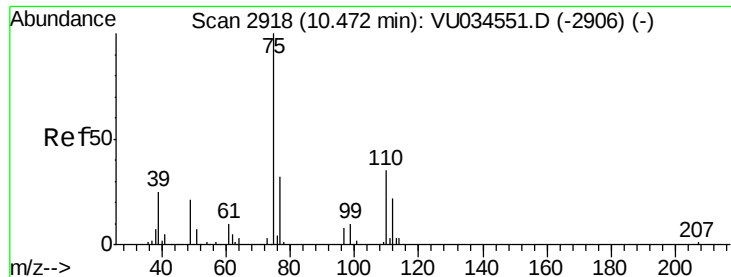


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

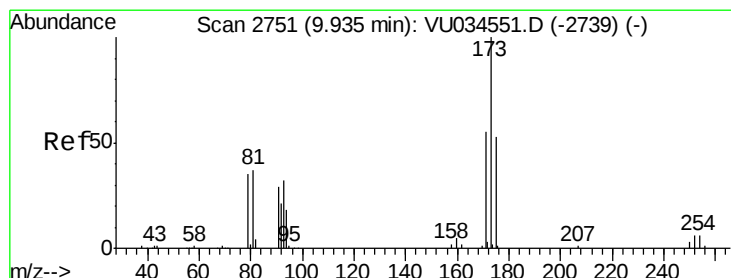
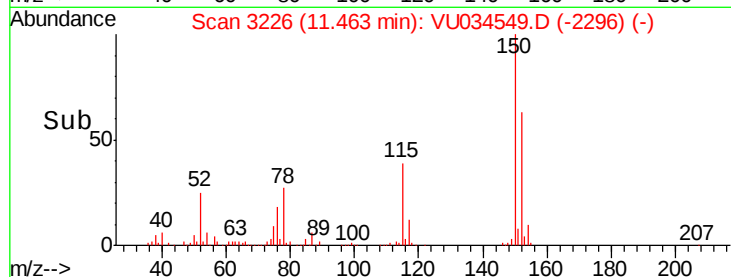
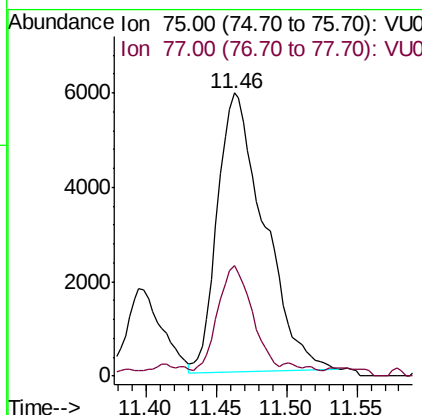
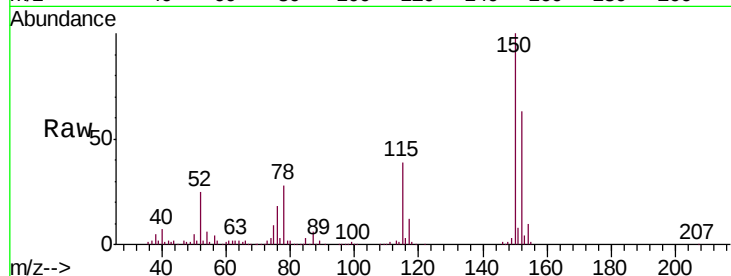




#59
 1,2,3-Trichloropropane
 Concen: 1.617 ug/L
 RT: 11.46 min Scan# 3226
 Delta R.T. 0.99 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

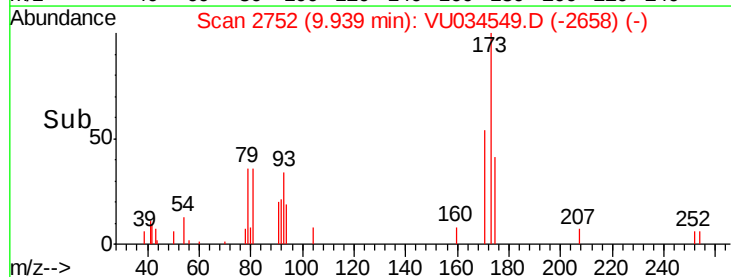
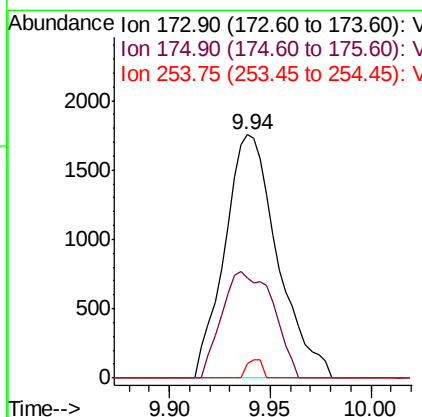
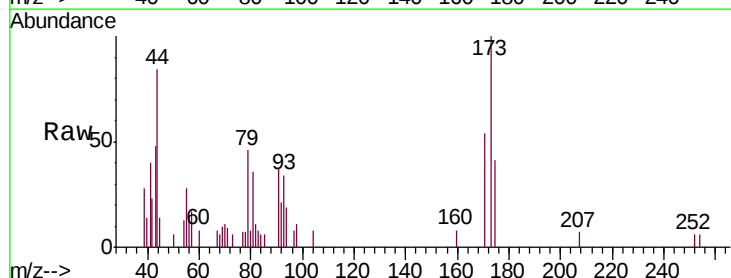
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

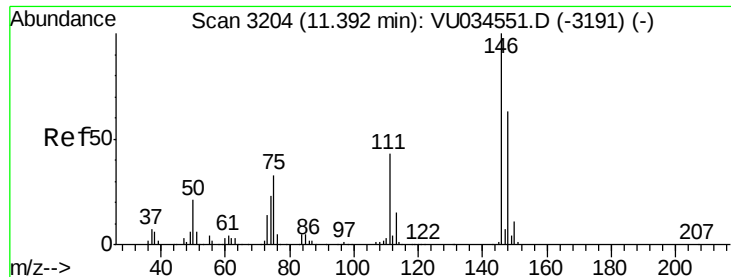
Tgt Ion: 75 Resp: 13703
 Ion Ratio Lower Upper
 75 100
 77 27.8 27.3 40.9



#61
 Bromoform
 Concen: 0.587 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion: 173 Resp: 3201
 Ion Ratio Lower Upper
 173 100
 175 43.0 39.8 59.6
 254 2.2 5.2 7.8#





#62

1,3-Dichlorobenzene

Concen: 0.492 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

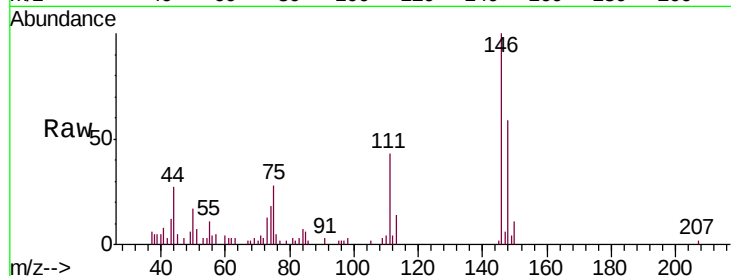
Tgt Ion:146 Resp: 11025

Ion Ratio Lower Upper

146 100

111 42.8 30.3 56.3

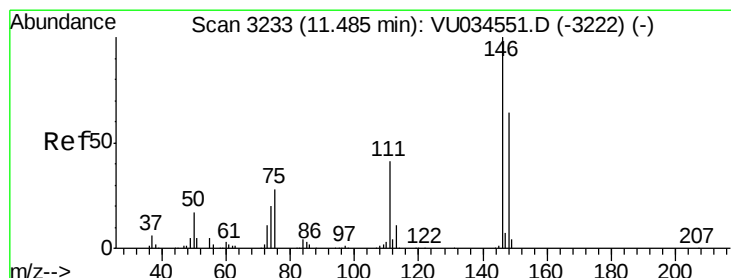
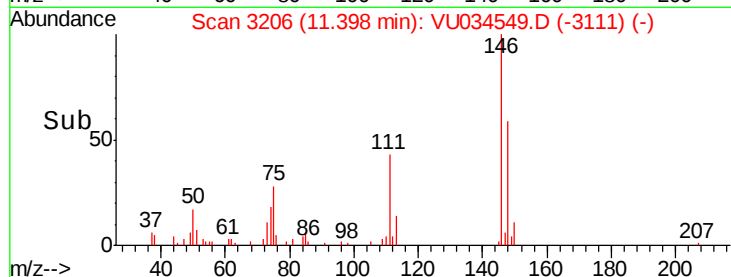
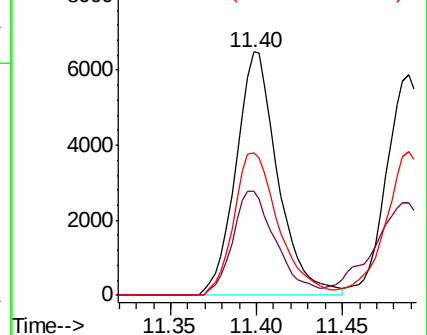
148 58.7 44.3 82.3



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: 0.443 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034549.D

Acq: 15 Sep 2019 07:36

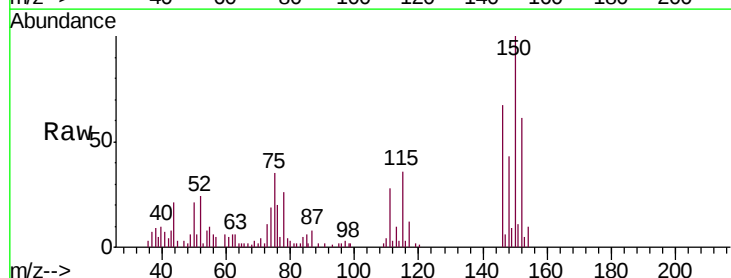
Tgt Ion:146 Resp: 10283

Ion Ratio Lower Upper

146 100

111 42.0 29.2 54.2

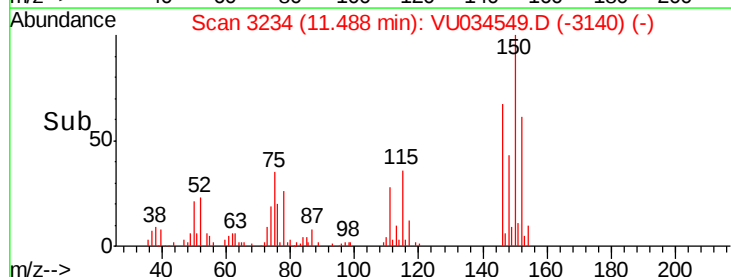
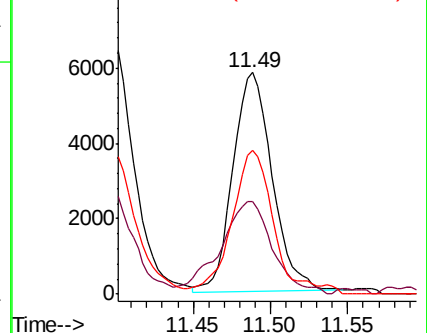
148 64.9 44.5 82.7

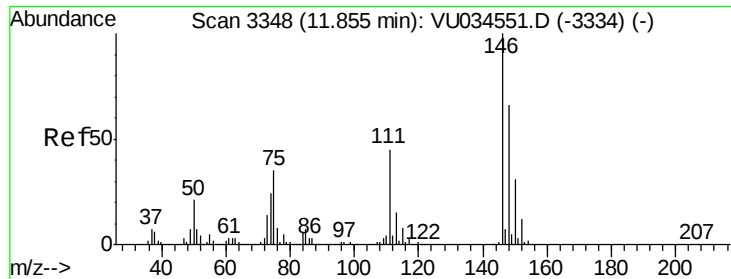


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

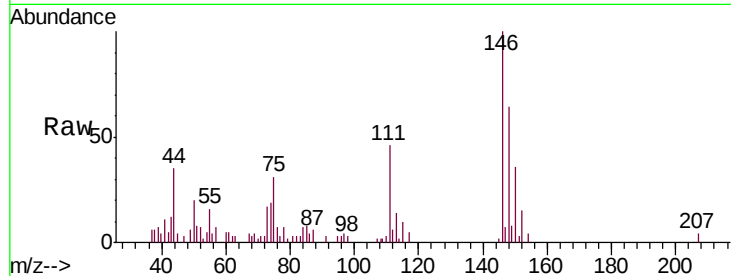




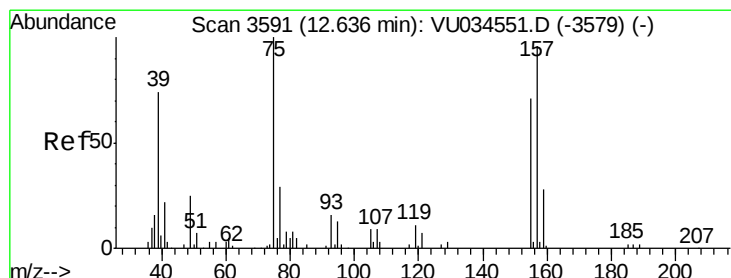
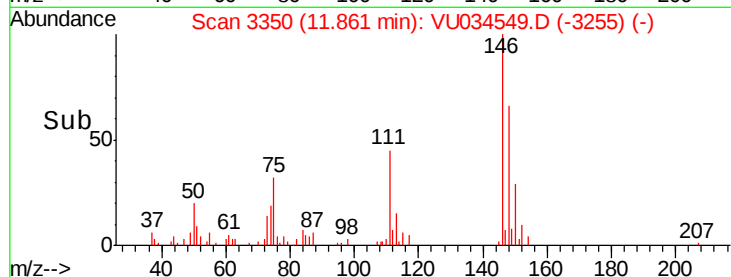
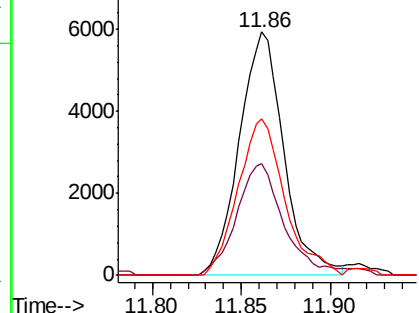
#65
 1,2-Dichlorobenzene
 Concen: 0.477 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 146 Resp: 10325
 Ion Ratio Lower Upper
 146 100
 111 45.7 36.4 54.6
 148 64.3 52.6 78.8

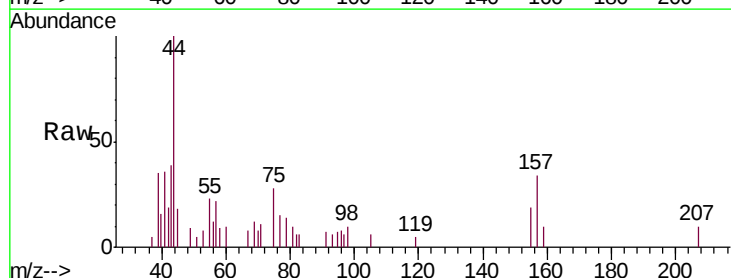


Abundance Ion 145.95 (145.65 to 146.65): V
 8000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

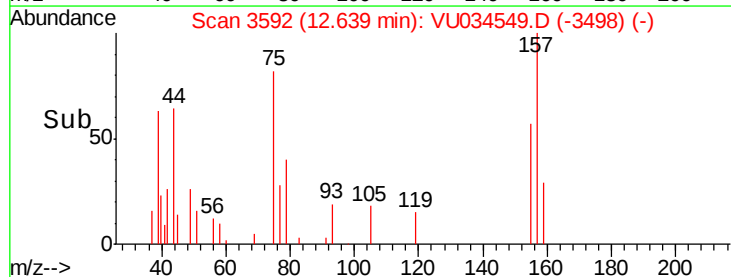
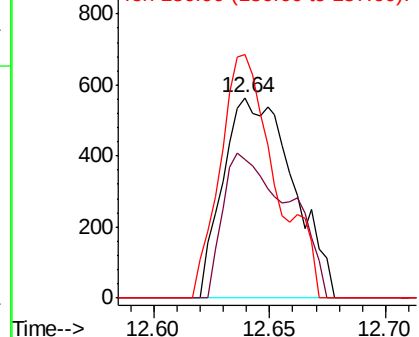


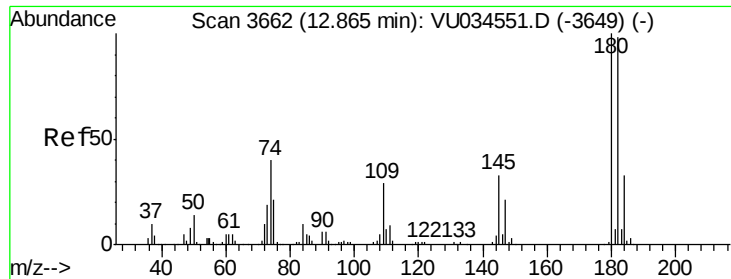
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.668 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion: 75 Resp: 1179
 Ion Ratio Lower Upper
 75 100
 155 69.4 57.2 85.8
 157 121.4 77.0 115.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0
 800 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

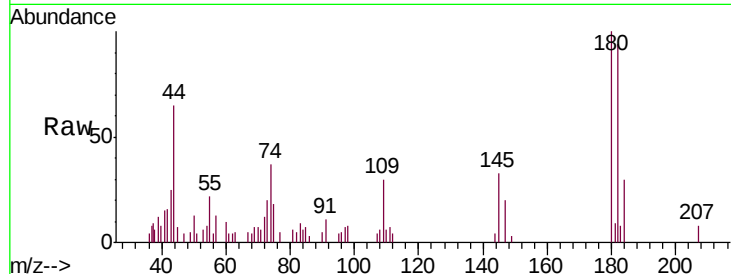




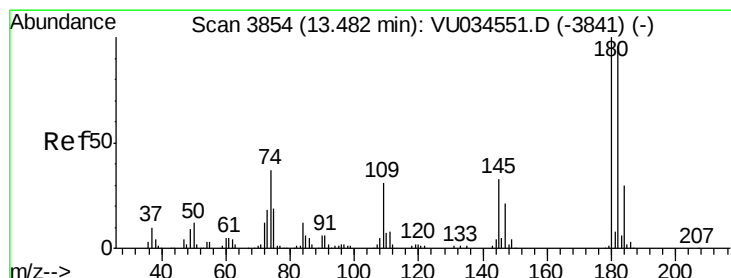
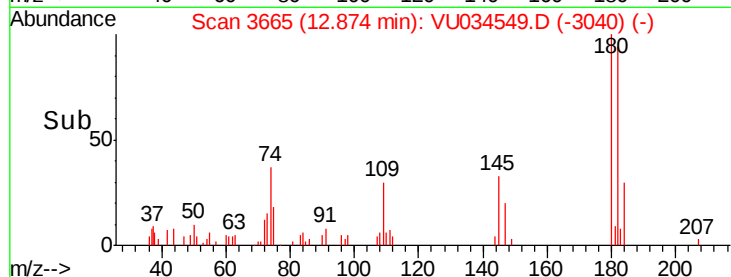
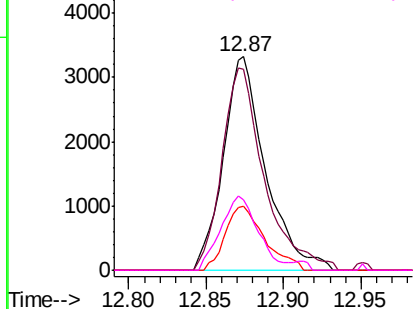
#67
 1,3,5-Trichlorobenzene
 Concen: 0.364 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:180 Resp: 6262
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 184 28.0 24.2 36.2
 145 30.5 25.9 38.9

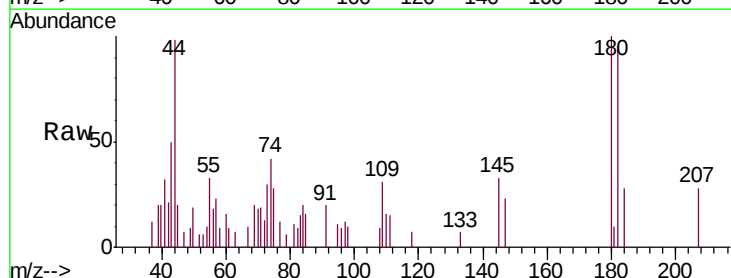


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

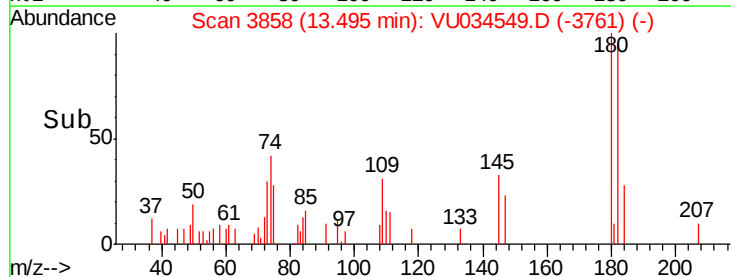
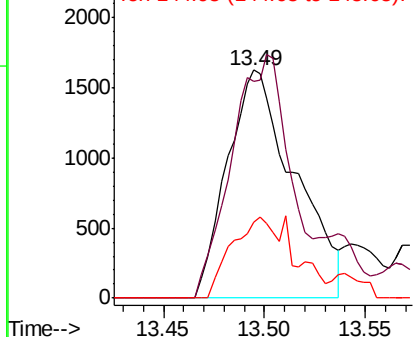


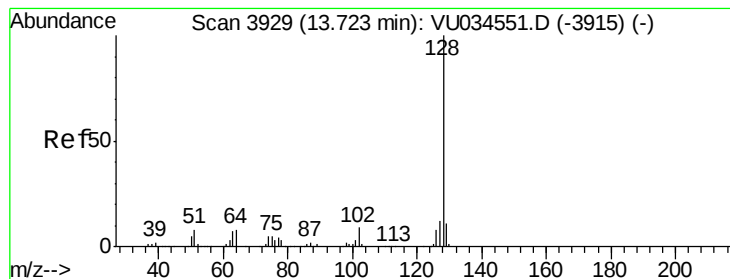
#68
 1,2,4-trichlorobenzene
 Concen: 0.291 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU034549.D
 Acq: 15 Sep 2019 07:36

Tgt Ion:180 Resp: 3791
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.1 114.1
 145 28.7 27.0 40.6



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

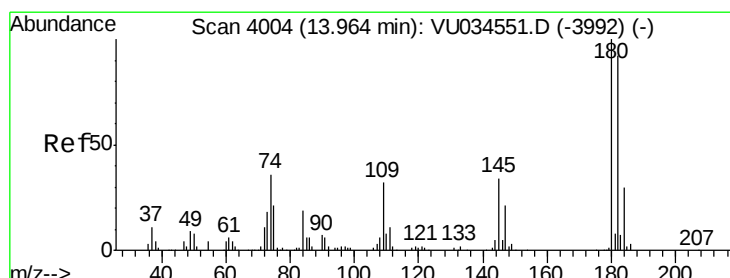
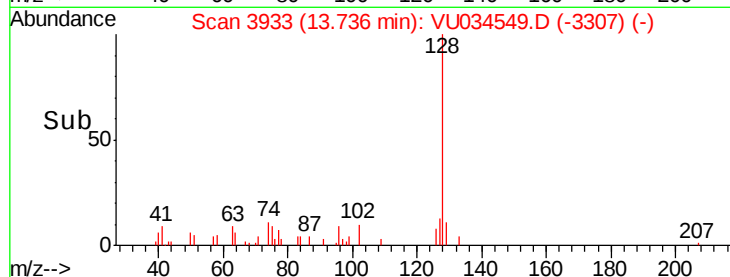
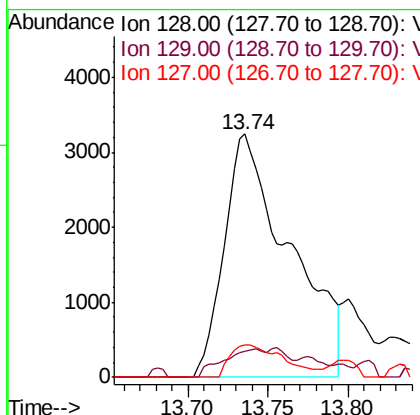
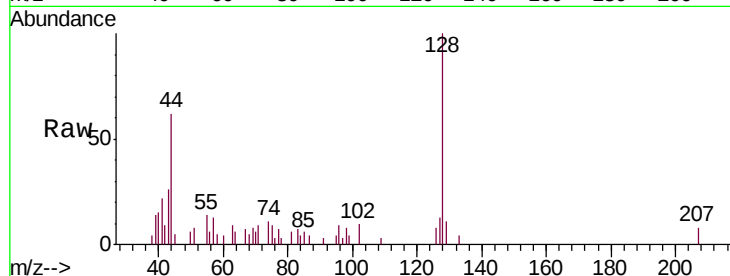




#69
Naphthalene
Concen: 0.419 ug/L
RT: 13.74 min Scan# 3933
Delta R.T. 0.01 min
Lab File: VU034549.D
Acq: 15 Sep 2019 07:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:128 Resp: 9130
Ion Ratio Lower Upper
128 100
129 7.5 8.8 13.2#
127 10.6 10.1 15.1



#70
1,2,3-Trichlorobenzene
Concen: 0.305 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.01 min
Lab File: VU034549.D
Acq: 15 Sep 2019 07:36

Tgt Ion:180 Resp: 3820
Ion Ratio Lower Upper
180 100
182 84.2 72.8 109.2
145 39.8 27.2 40.8

