

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121319\
 Data File : VU036191.D
 Acq On : 13 Dec 2019 12:31
 Operator : JC/MD
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Quant Time: Dec 14 00:24:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 14 00:22:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	249481	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	266506	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	115830	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	12045	0.49	ug/L	0.00
7) Chloroethane-d5	1.93	69	10604	0.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	17510	0.53	ug/L	0.00
20) 2-Butanone-d5	4.70	46	21257	5.27	ug/L	0.00
24) Chloroform-d	5.11	84	19038	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	11005	0.60	ug/L	0.00
32) Benzene-d6	5.77	84	33854	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	10980	0.51	ug/L	0.00
41) Toluene-d8	7.93	98	28987	0.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	3855	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	13124	3.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	10407	0.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	12969	0.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	15795	0.573 ug/L	94
3) Chloromethane	1.53	50	21511	0.604 ug/L	94
5) Vinyl chloride	1.62	62	18125	0.551 ug/L	96
6) Bromomethane	1.87	94	8556	0.434 ug/L	96
8) Chloroethane	1.95	64	11166	0.557 ug/L	96
9) Trichlorofluoromethane	2.16	101	23107	0.571 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	11217	0.567 ug/L	99
12) 1,1-Dichloroethene	2.60	96	10315	0.552 ug/L	91
13) Acetone	2.68	43	24434	6.968 ug/L	98
14) Carbon disulfide	2.82	76	35256	0.570 ug/L	98
15) Methyl Acetate	3.00	43	3678	0.488 ug/L	98
16) Methylene chloride	3.08	84	21113	0.806 ug/L	91
17) Methyl tert-butyl Ether	3.41	73	20785	0.535 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	11078	0.571 ug/L	93
19) 1,1-Dichloroethane	3.92	63	19639	0.551 ug/L	97
21) 2-Butanone	4.77	43	27378	5.871 ug/L	75
22) cis-1,2-Dichloroethene	4.71	96	11207	0.562 ug/L	99
23) Bromochloromethane	5.03	128	5397	0.544 ug/L	95
25) Chloroform	5.13	83	22392	0.595 ug/L	89
27) 1,2-Dichloroethane	5.84	62	11998	0.542 ug/L	# 94
29) 1,1,1-Trichloroethane	5.36	97	17442	0.538 ug/L	98
30) Cyclohexane	5.43	56	13314	0.484 ug/L	# 90
31) Carbon tetrachloride	5.57	117	15787	0.545 ug/L	96
33) Benzene	5.82	78	41549	0.513 ug/L	100
34) Trichloroethene	6.58	95	10499	0.504 ug/L	89
35) Methylcyclohexane	6.80	83	13022	0.440 ug/L	95
37) 1,2-Dichloropropane	6.83	63	10854	0.522 ug/L	# 93
38) Bromodichloromethane	7.14	83	14489	0.542 ug/L	94
39) cis-1,3-Dichloropropene	7.65	75	13578	0.490 ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	52676	4.968 ug/L	96

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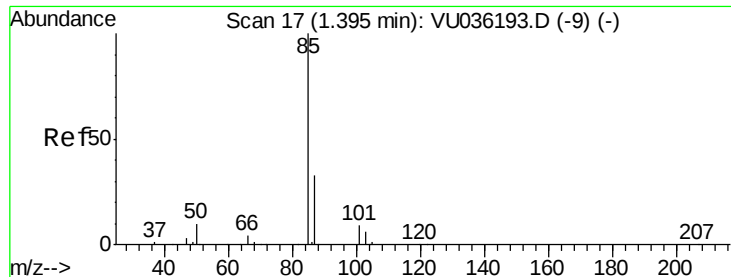
Instrument :
 MSVOA_U
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	41436	0.484	ug/L	96
44) trans-1,3-Dichloropropene	8.25	75	11559	0.494	ug/L	92
45) 1,1,2-Trichloroethane	8.43	97	8482	0.553	ug/L	88
47) Tetrachloroethene	8.58	164	10372	0.571	ug/L	80
48) 2-Hexanone	8.73	43	37915	4.854	ug/L	93
49) Dibromochloromethane	8.84	129	9921	0.517	ug/L	98
50) 1,2-Dibromoethane	8.96	107	8059	0.559	ug/L #	95
51) Chlorobenzene	9.47	112	30923	0.552	ug/L	94
52) Ethylbenzene	9.60	91	40788	0.486	ug/L	99
53) m,p-Xylene	9.72	106	14616	0.443	ug/L	94
54) o-Xylene	10.13	106	14819	0.470	ug/L	92
55) Styrene	10.14	104	26496	0.472	ug/L	94
56) Isopropylbenzene	10.51	105	37338	0.465	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.81	83	11009	0.568	ug/L	95
59) 1,2,3-Trichloropropane	10.85	75	7407	0.539	ug/L	97
61) Bromoform	10.32	173	6020	0.554	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	21422	0.566	ug/L	95
63) 1,4-Dichlorobenzene	11.86	146	21436	0.575	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	20786	0.573	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	1609	0.684	ug/L #	66
67) 1,3,5-Trichlorobenzene	13.24	180	16949	0.674	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	9535	0.681	ug/L	95
69) Naphthalene	14.10	128	11299	0.738	ug/L	96
70) 1,2,3-Trichlorobenzene	14.35	180	9265	0.706	ug/L	91

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

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#2

Dichlorodifluoromethane

Concen: 0.573 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

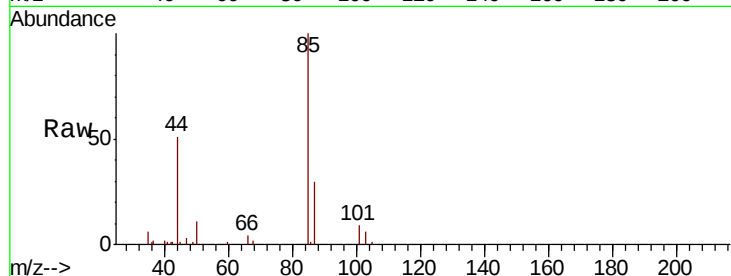
VSTD0.501

Tot Ion: 85 Resp: 15795

Ion Ratio Lower Upper

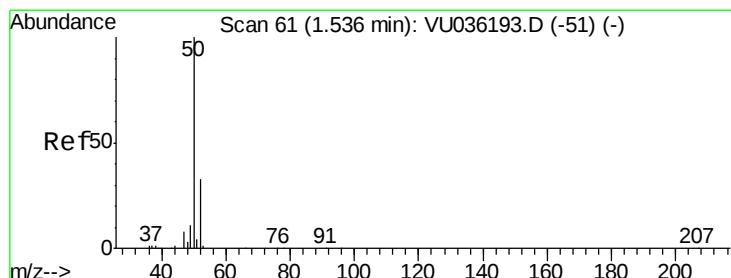
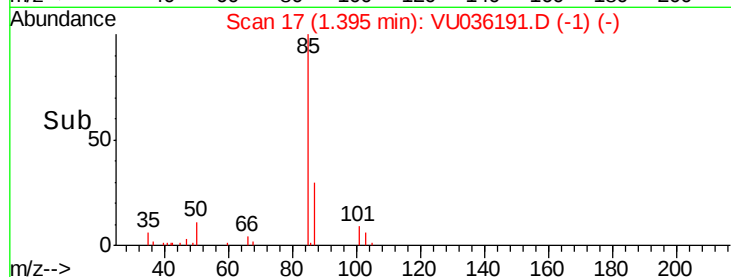
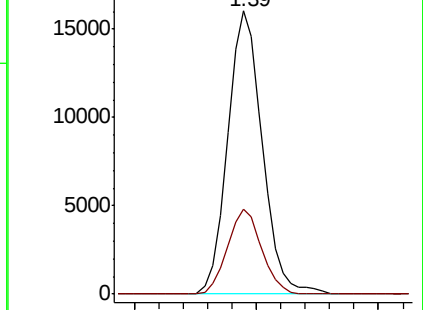
85 100

87 29.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036191.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036191.D (-9) (-)



#3

Chloromethane

Concen: 0.604 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036191.D

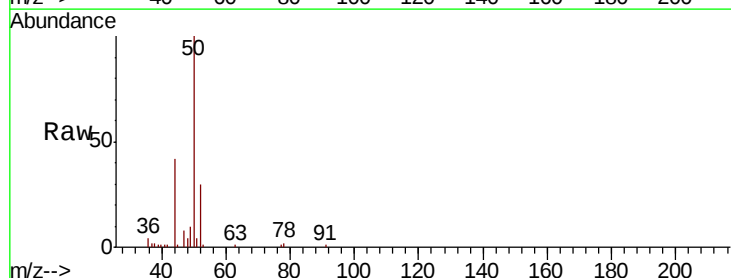
Acq: 13 Dec 2019 12:31

Tgt Ion: 50 Resp: 21511

Ion Ratio Lower Upper

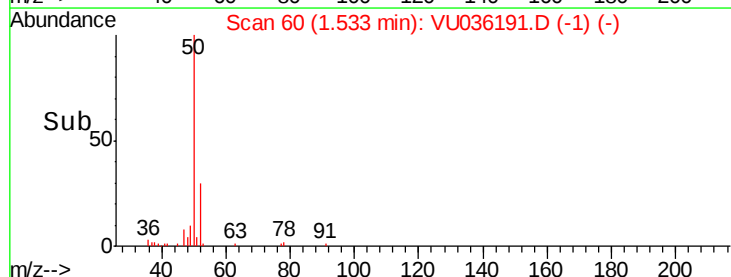
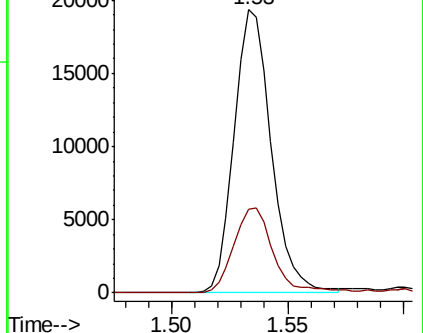
50 100

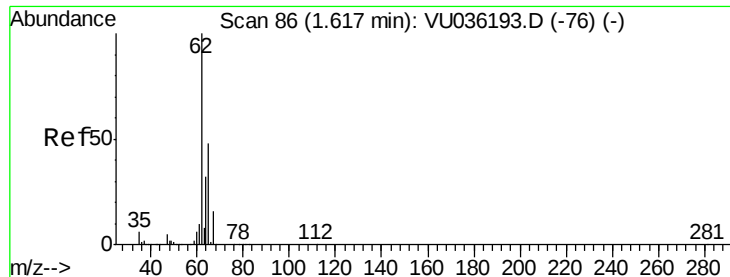
52 29.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036191.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036191.D (-51) (-)





#5

Vinyl chloride

Concen: 0.551 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

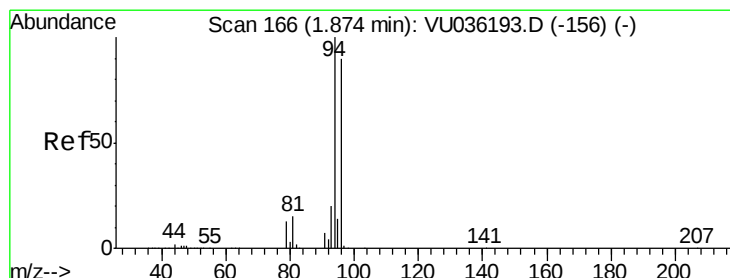
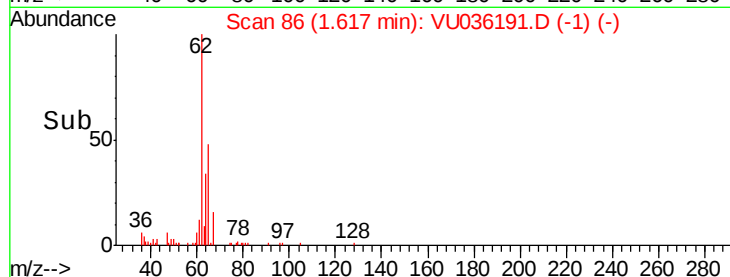
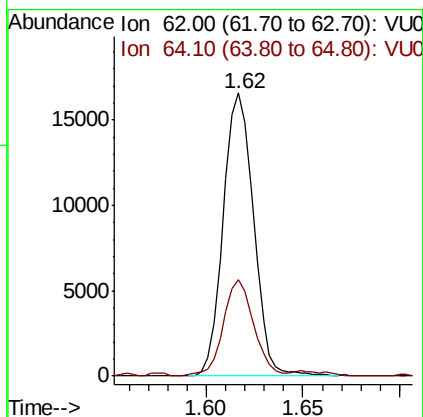
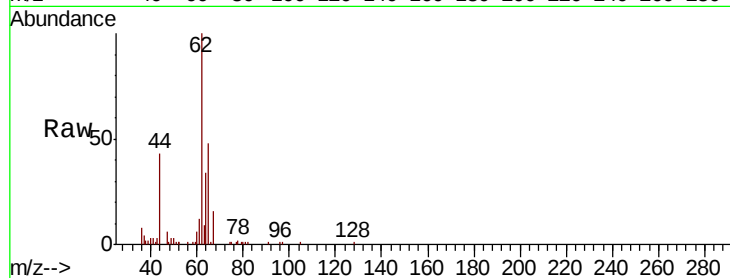
VSTD0.501

Tot Ion: 62 Resp: 18125

Ion Ratio Lower Upper

62 100

64 34.1 22.4 41.6



#6

Bromomethane

Concen: 0.434 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036191.D

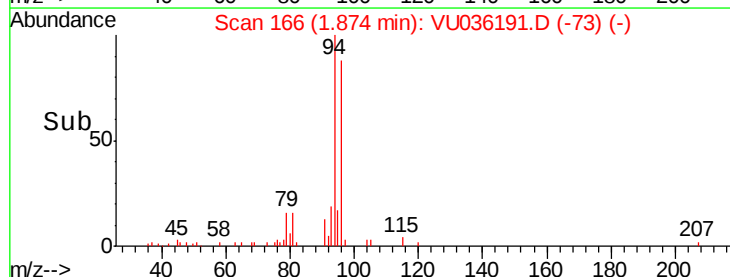
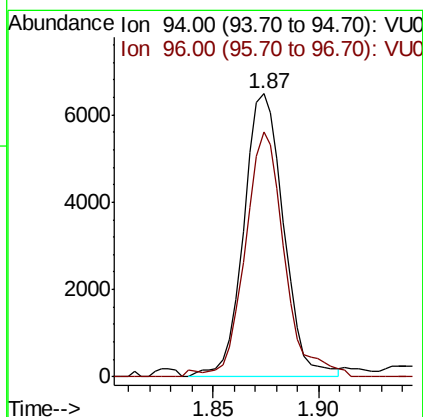
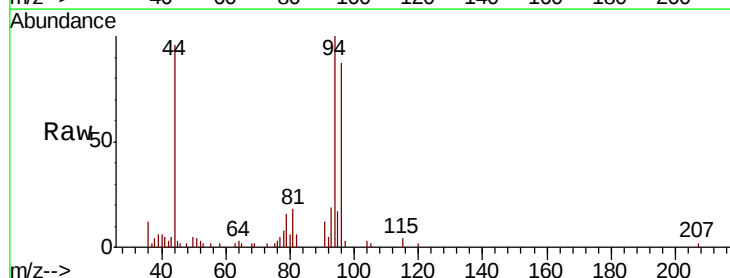
Acq: 13 Dec 2019 12:31

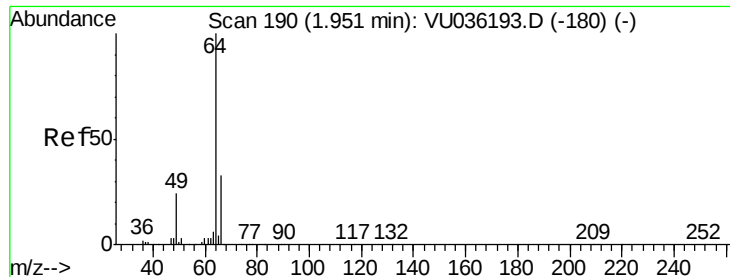
Tgt Ion: 94 Resp: 8556

Ion Ratio Lower Upper

94 100

96 86.5 62.9 116.9





#8

Chloroethane

Concen: 0.557 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

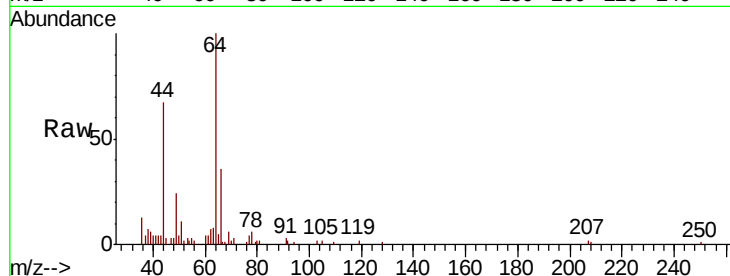
VSTD0.501

Tot Ion: 64 Resp: 11166

Ion Ratio Lower Upper

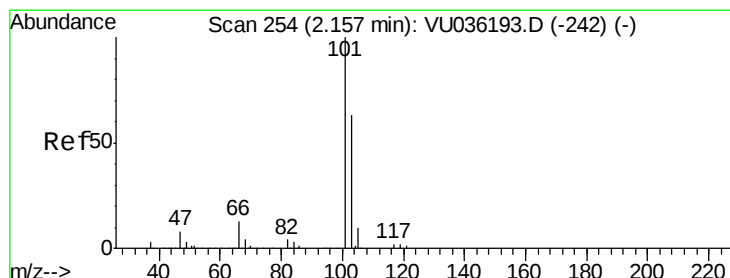
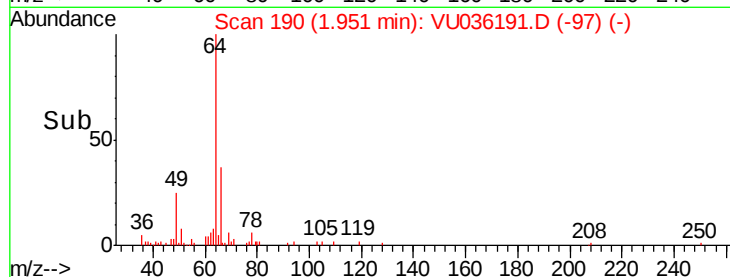
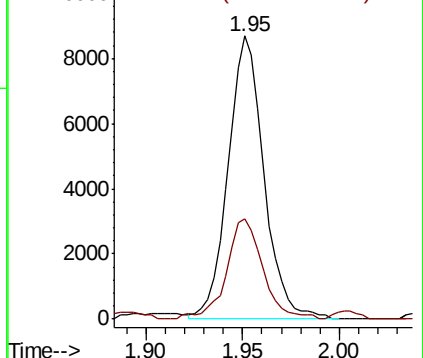
64 100

66 35.5 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU036191.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036191.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 0.571 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036191.D

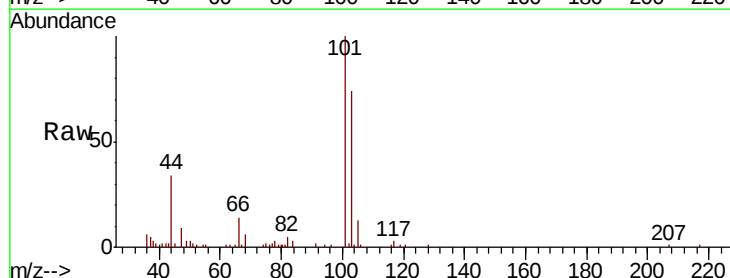
Acq: 13 Dec 2019 12:31

Tgt Ion: 101 Resp: 23107

Ion Ratio Lower Upper

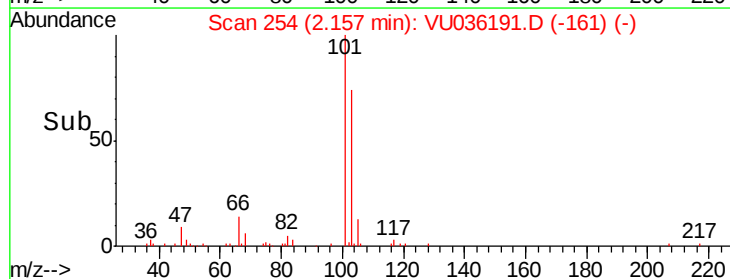
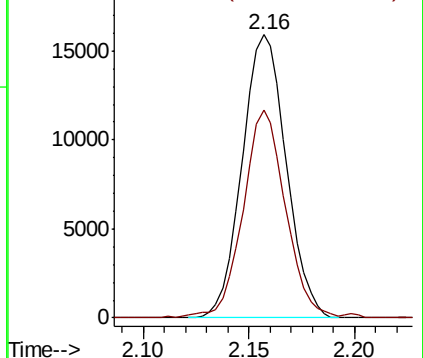
101 100

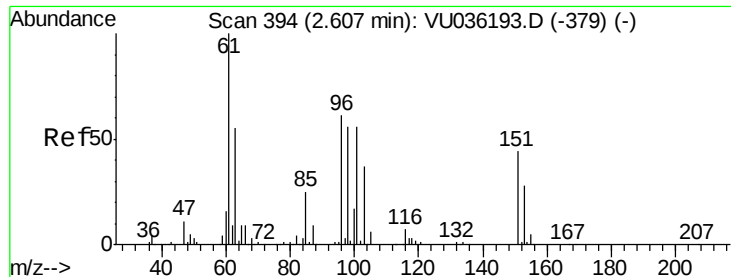
103 70.9 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VU036191.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU036191.D (-242) (-)





#10

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

Concen: 0.567 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

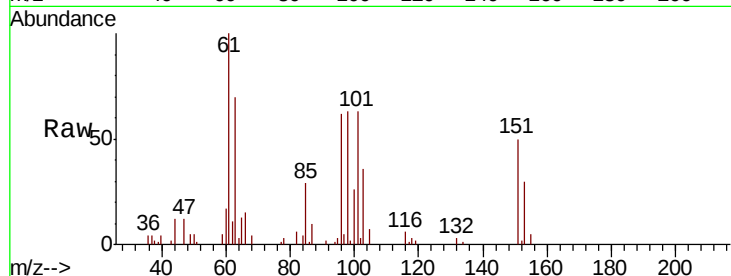
Tot Ion:101 Resp: 11217

Ion Ratio Lower Upper

101 100

85 44.6 35.0 52.6

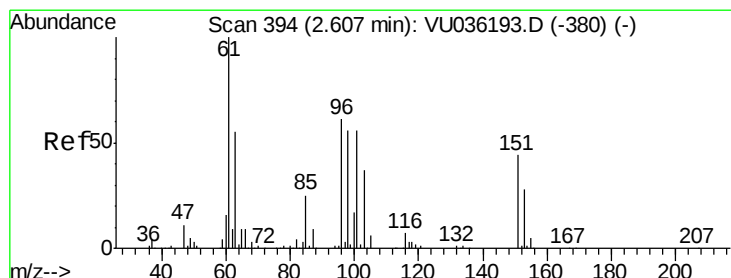
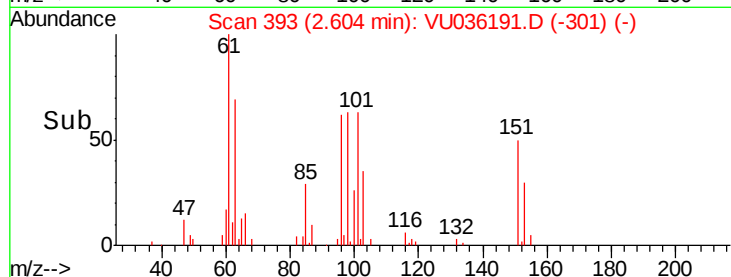
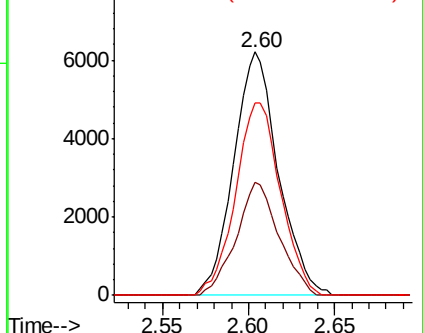
151 79.5 63.9 95.9



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: 0.552 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

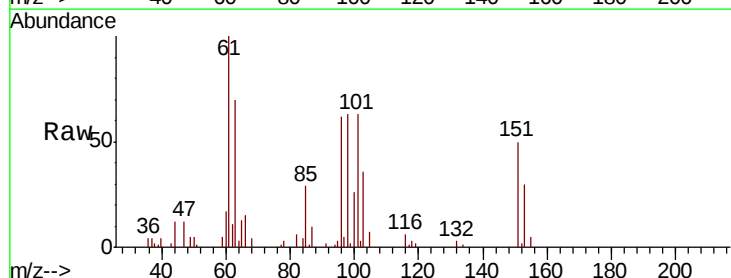
Tgt Ion: 96 Resp: 10315

Ion Ratio Lower Upper

96 100

61 160.6 114.0 211.8

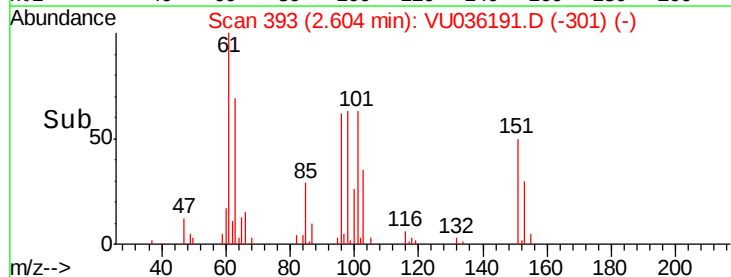
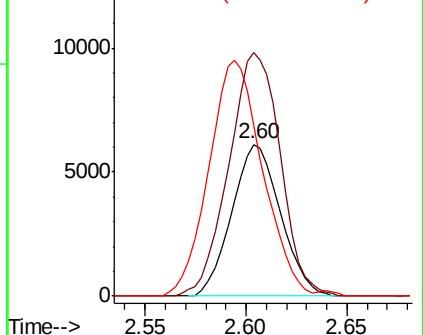
63 112.7 63.6 118.0

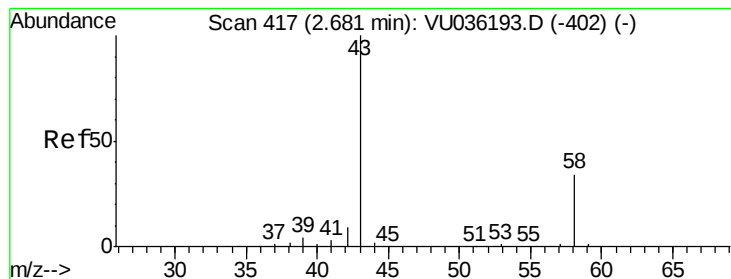


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.968 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

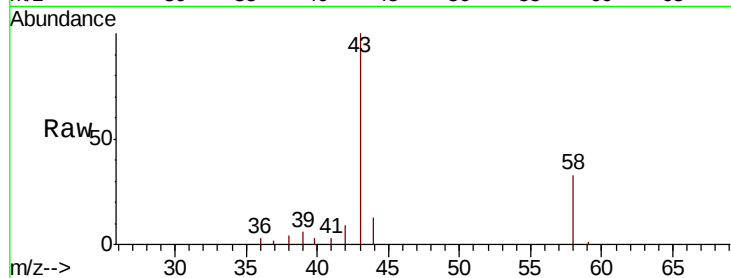
VSTD0.501

Tot Ion: 43 Resp: 24434

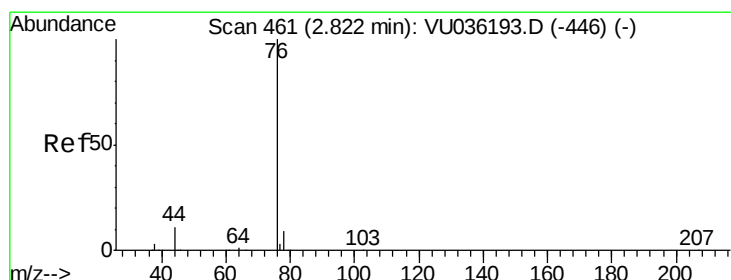
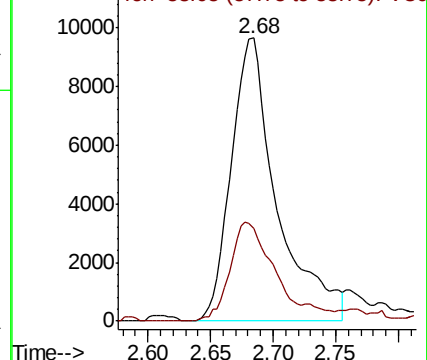
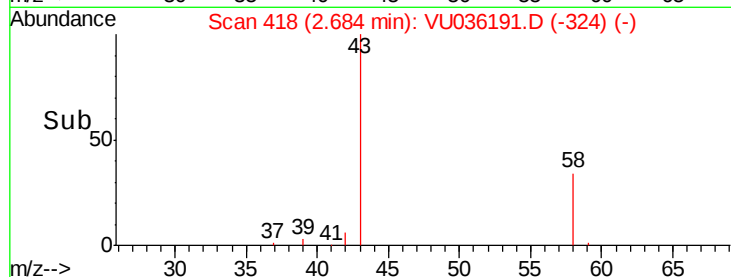
Ion Ratio Lower Upper

43 100

58 35.2 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036191.D (-324) (-)



#14

Carbon disulfide

Concen: 0.570 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036191.D

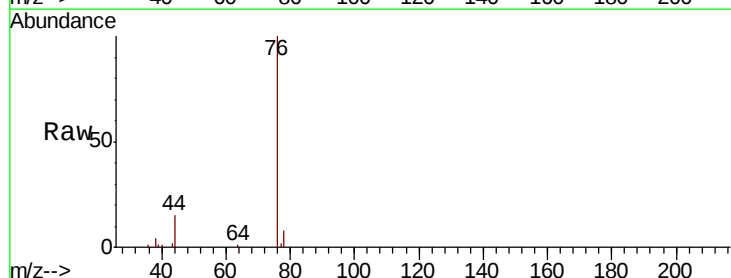
Acq: 13 Dec 2019 12:31

Tgt Ion: 76 Resp: 35256

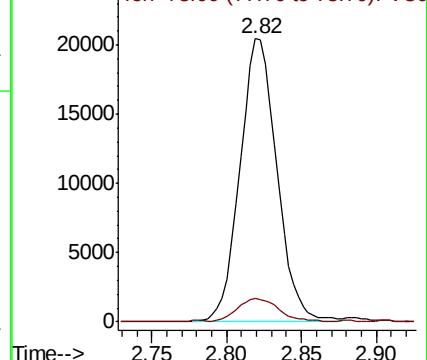
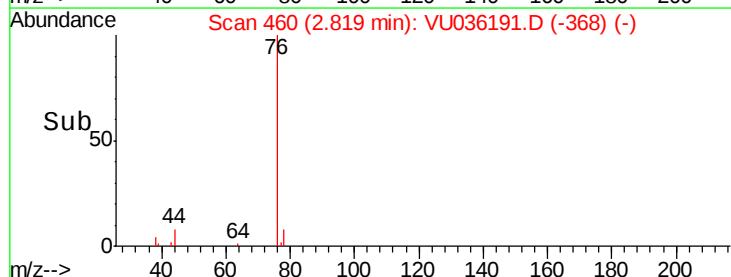
Ion Ratio Lower Upper

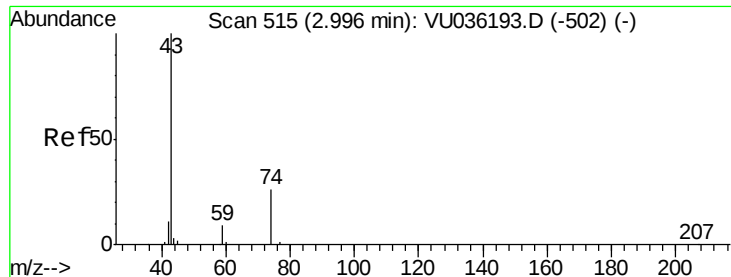
76 100

78 8.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036191.D (-368) (-)





#15

Methvl Acetate

Concen: 0.488 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

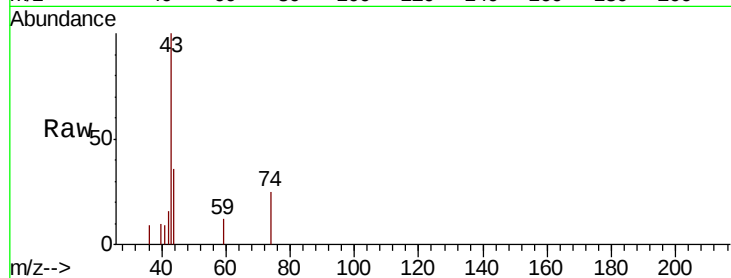
VSTD0.501

Tot Ion: 43 Resp: 3678

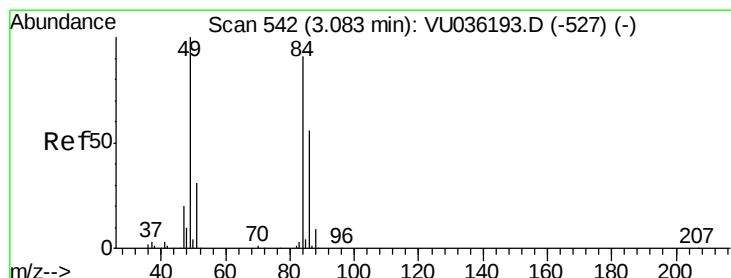
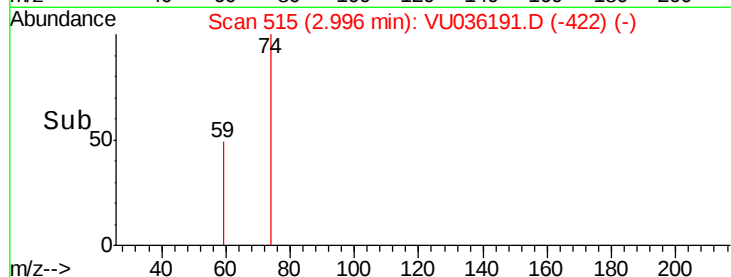
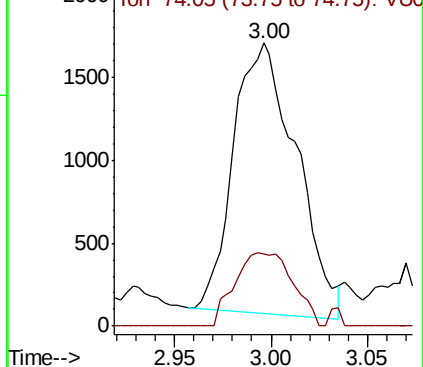
Ion Ratio Lower Upper

43 100

74 25.2 20.8 31.2



Abundance Ion 43.05 (42.75 to 43.75): VU036191.D (-422) (-)



#16

Methylene chloride

Concen: 0.806 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

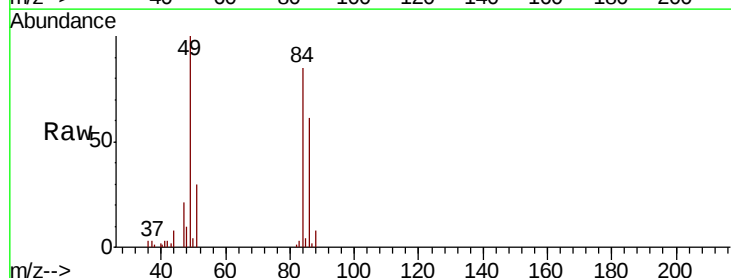
Tgt Ion: 84 Resp: 21113

Ion Ratio Lower Upper

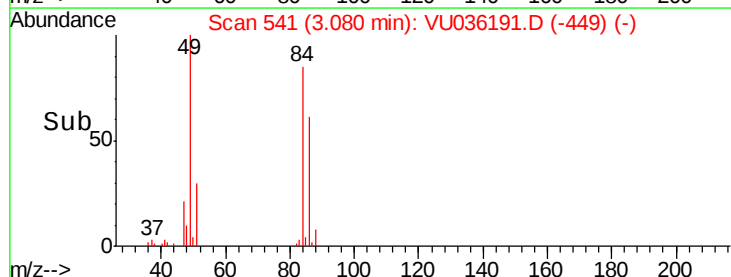
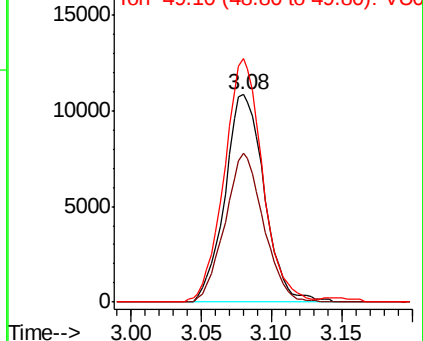
84 100

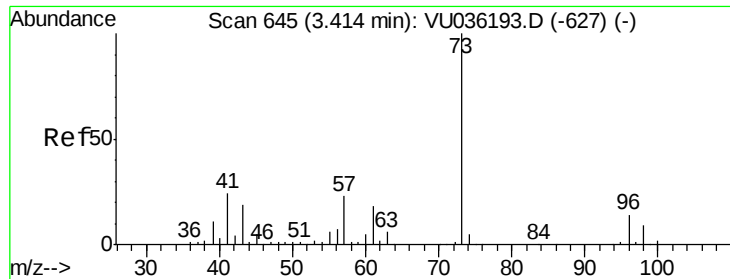
86 71.5 43.0 79.8

49 117.4 77.3 143.5



Abundance Ion 84.05 (83.75 to 84.75): VU036191.D (-449) (-)

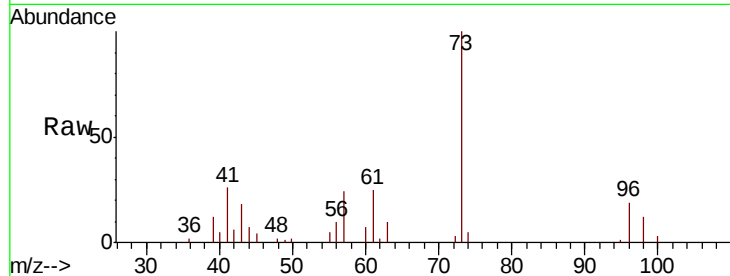




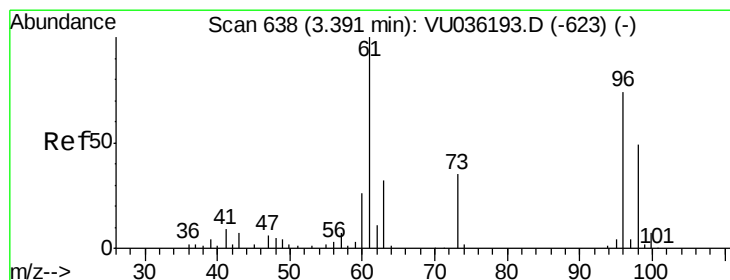
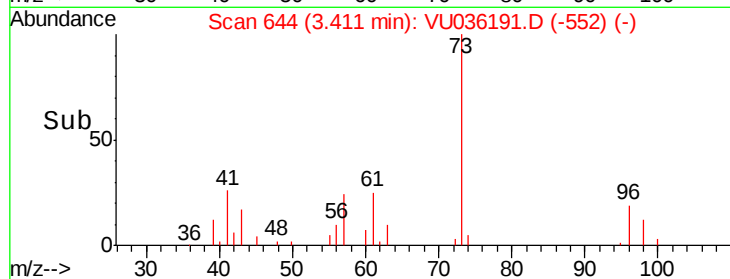
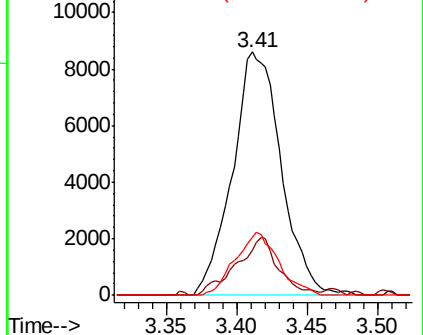
#17
Methvl tert-butvl Ether
Concen: 0.535 ug/L
RT: 3.41 min Scan# 644
Delta R.T. -0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion: 73 Resp: 20785
Ion Ratio Lower Upper
73 100
43 20.7 15.3 22.9
57 23.1 18.2 27.2

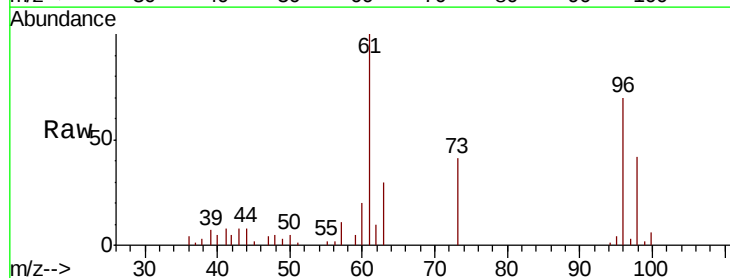


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

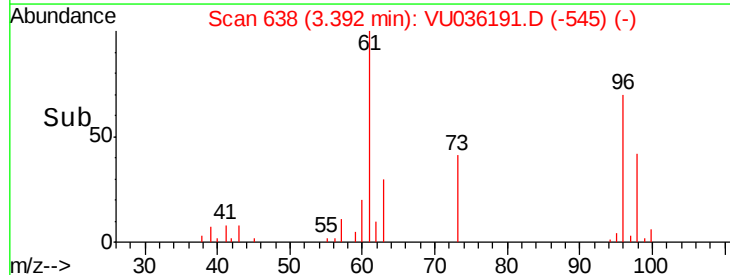
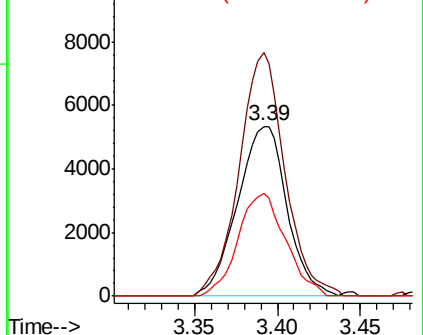


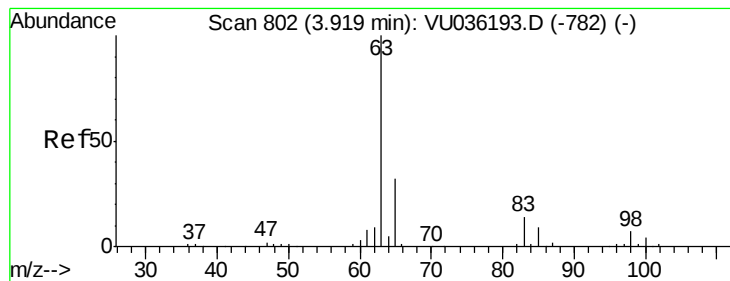
#18
trans-1,2-Dichloroethene
Concen: 0.571 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Tgt Ion: 96 Resp: 11078
Ion Ratio Lower Upper
96 100
61 143.4 94.8 176.2
98 61.0 46.8 86.8



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





#19

1,1-Dichloroethane

Concen: 0.551 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

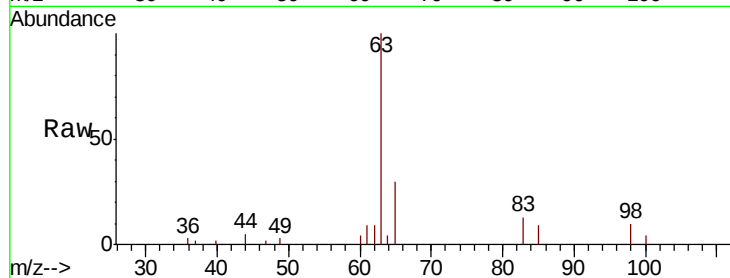
Tot Ion: 63 Resp: 19639

Ion Ratio Lower Upper

63 100

65 30.3 22.6 42.0

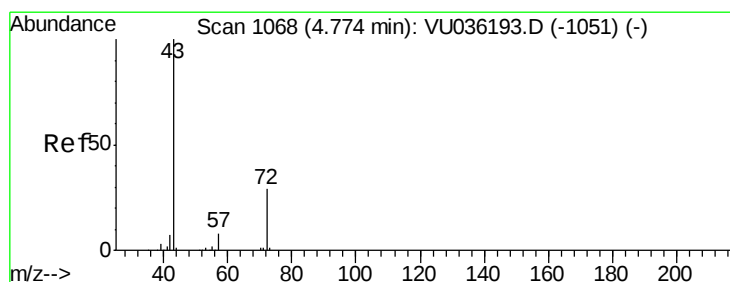
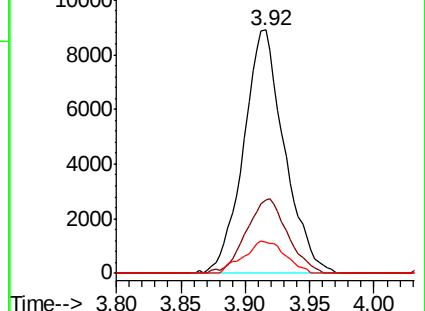
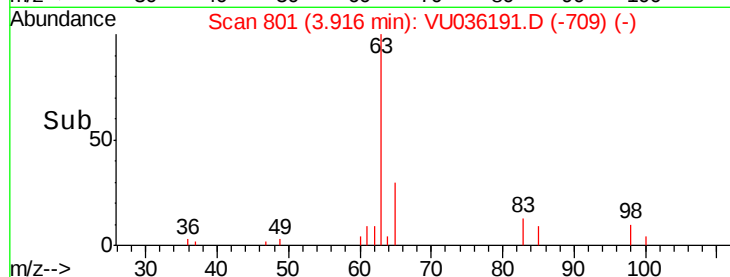
83 13.0 9.7 18.1



Abundance Ion 63.10 (62.80 to 63.80): VU036191.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036191.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036191.D (-782) (-)



#21

2-Butanone

Concen: 5.871 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU036191.D

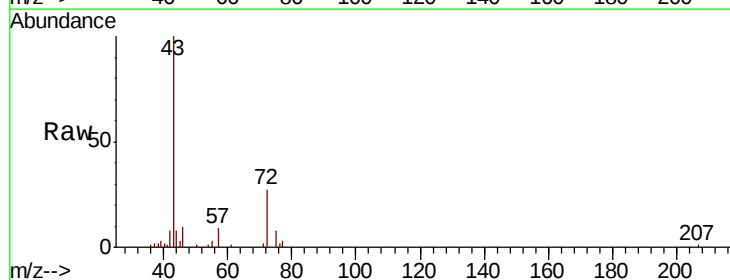
Acq: 13 Dec 2019 12:31

Tgt Ion: 43 Resp: 27378

Ion Ratio Lower Upper

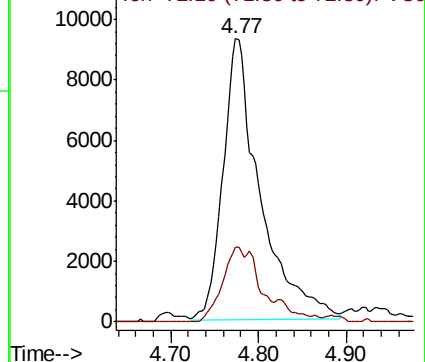
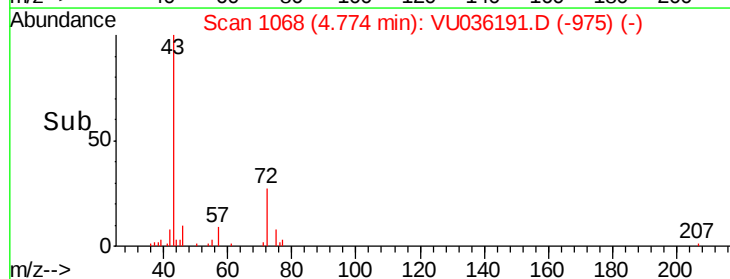
43 100

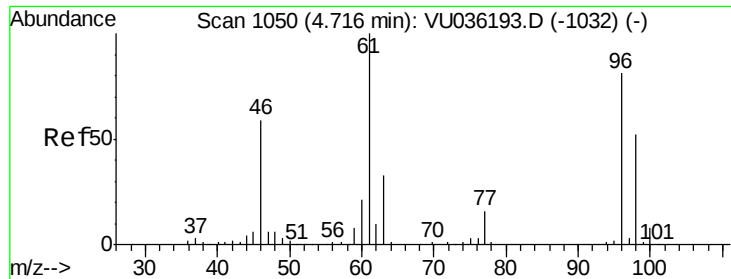
72 15.3 14.4 43.4



Abundance Ion 43.05 (42.75 to 43.75): VU036191.D (-975) (-)

Ion 72.10 (71.80 to 72.80): VU036191.D (-975) (-)

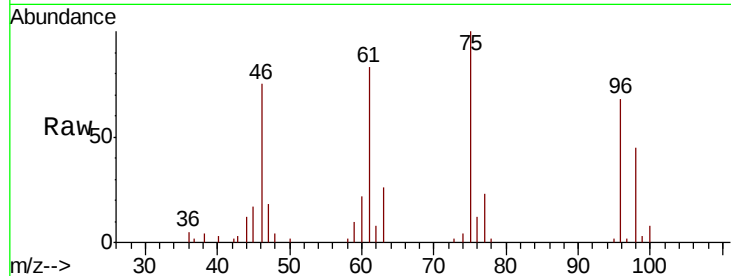




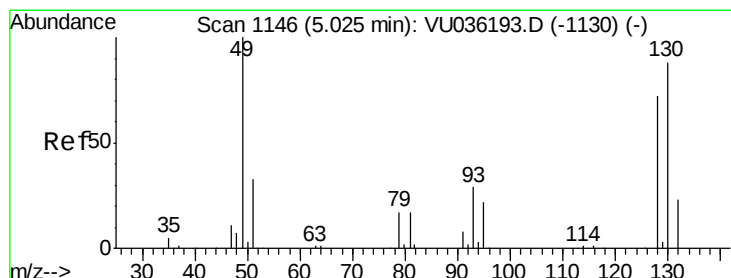
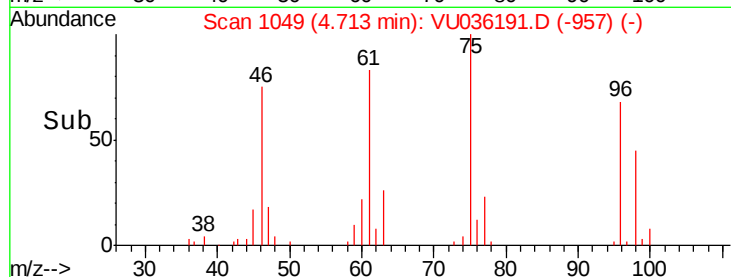
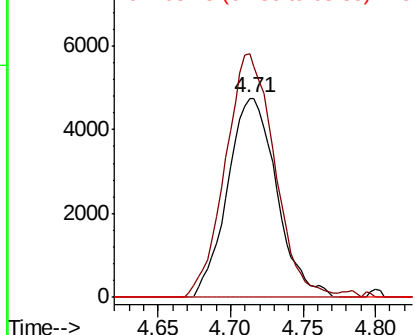
#22
 cis-1,2-Dichloroethene
 Concen: 0.562 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036191.D
 Acq: 13 Dec 2019 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion: 96 Resp: 11207
 Ion Ratio Lower Upper
 96 100
 61 122.2 86.7 161.1
 68 0.0 0.0 0.0

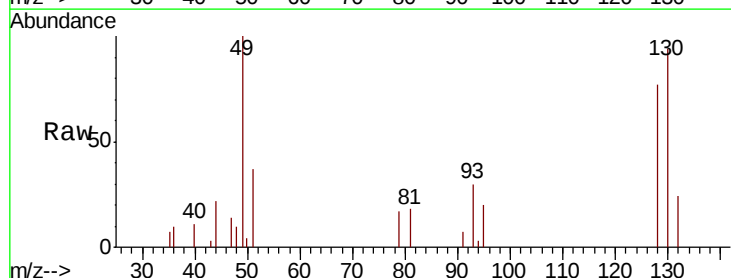


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

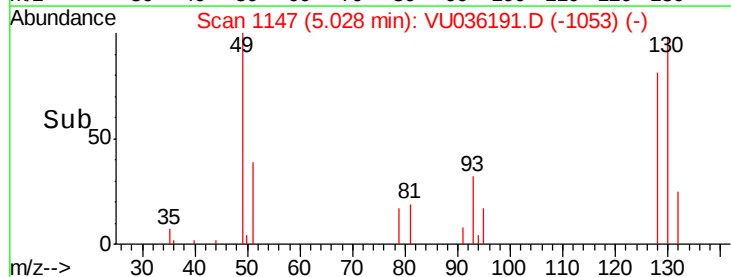
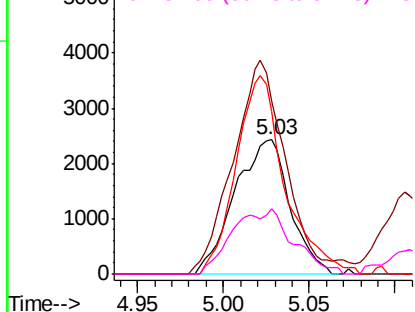


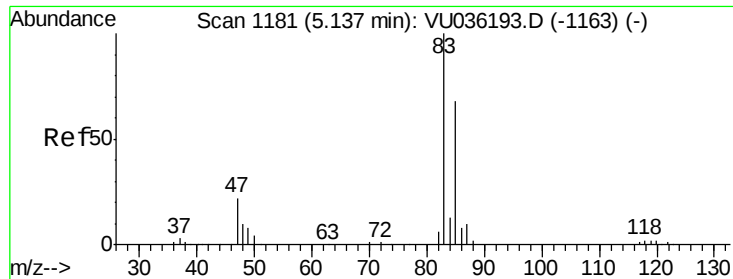
#23
 Bromochloromethane
 Concen: 0.544 ug/L
 RT: 5.03 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VU036191.D
 Acq: 13 Dec 2019 12:31

Tgt Ion: 128 Resp: 5397
 Ion Ratio Lower Upper
 128 100
 49 129.2 97.6 181.4
 130 121.2 85.9 159.5
 51 48.3 37.0 55.4



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

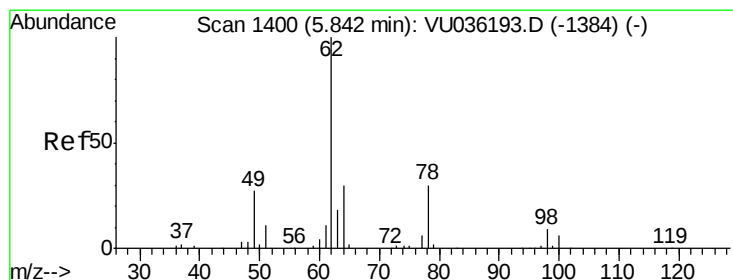
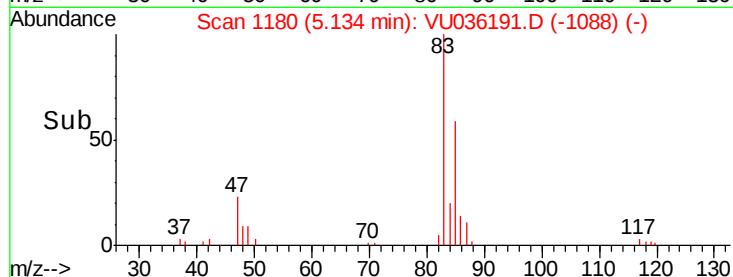
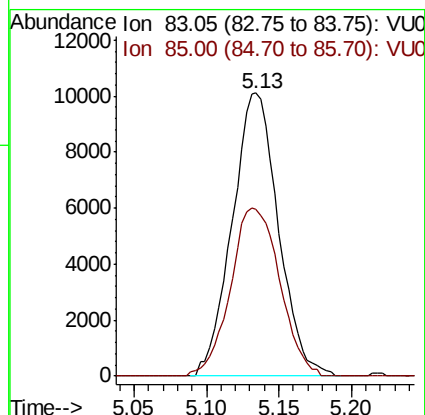
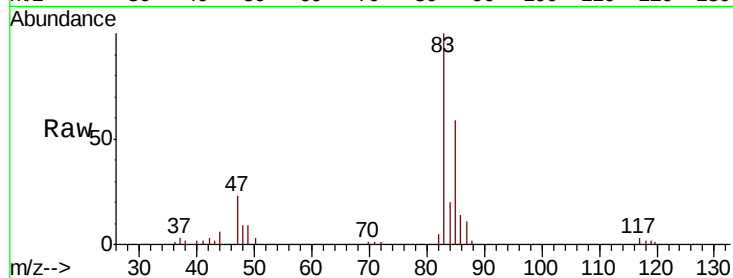




#25
Chloroform
Concen: 0.595 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

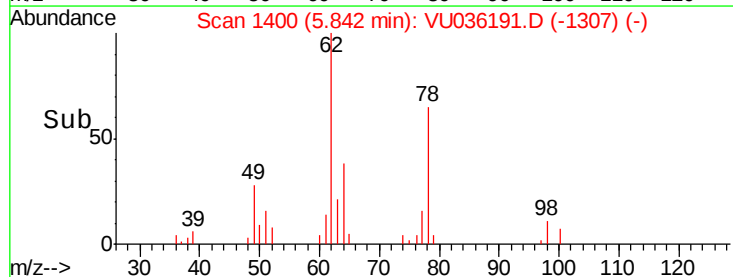
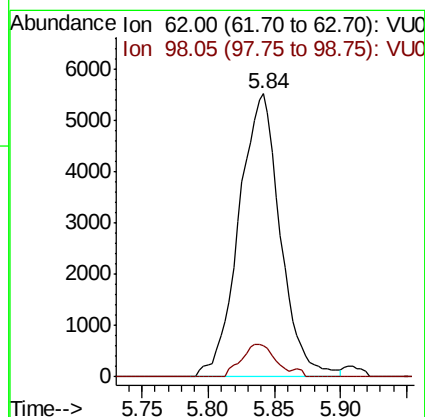
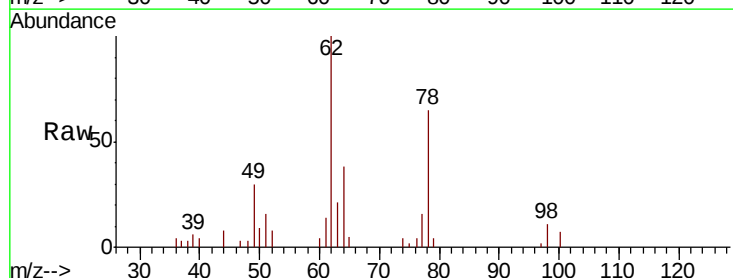
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

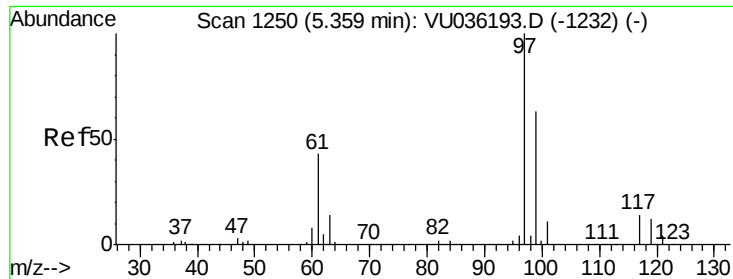
Tot Ion: 83 Resp: 22392
Ion Ratio Lower Upper
83 100
85 58.8 47.5 88.1



#27
1,2-Dichloroethane
Concen: 0.542 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Tgt Ion: 62 Resp: 11998
Ion Ratio Lower Upper
62 100
98 11.2 7.3 10.9#

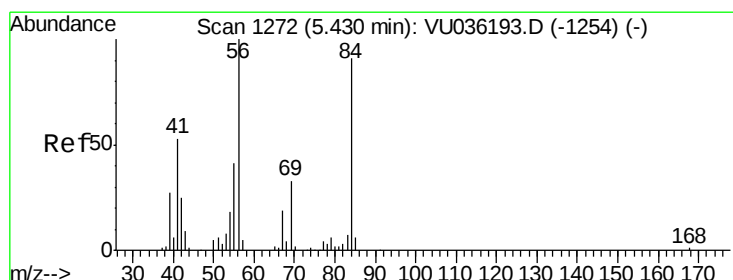
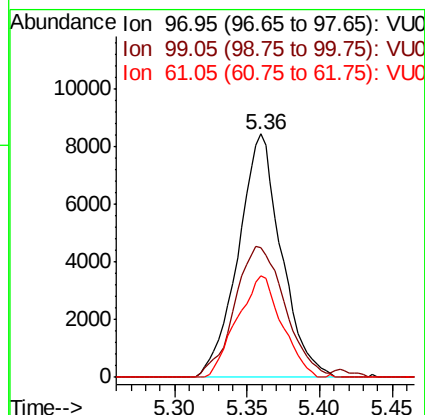
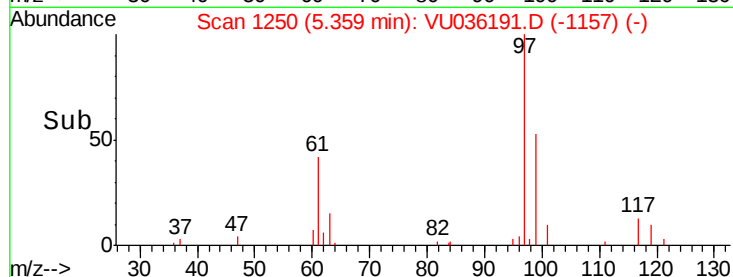
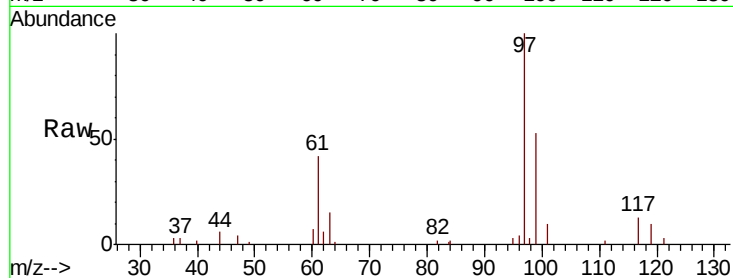




#29
1,1,1-Trichloroethane
Concen: 0.538 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

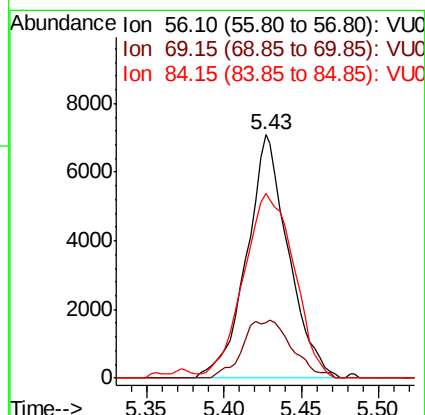
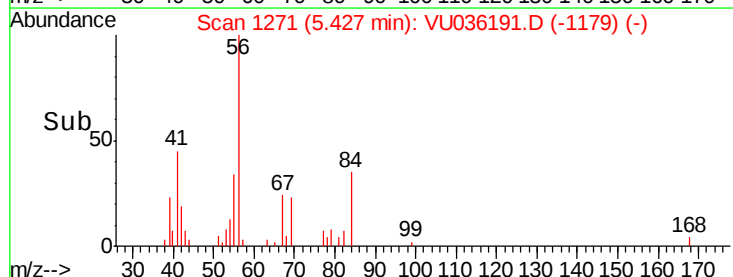
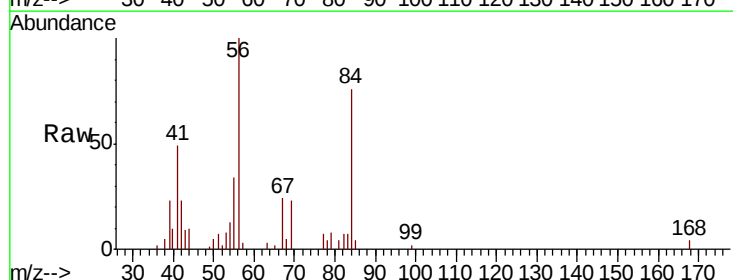
Instrument :
MSVOA_U
ClientSampled :
VSTD0.501

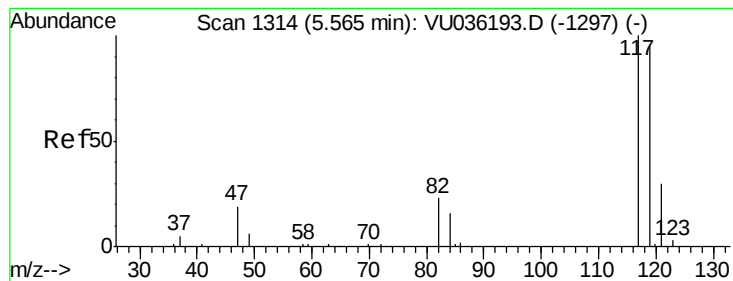
Tot Ion: 97 Resp: 17442
Ion Ratio Lower Upper
97 100
99 62.8 51.4 77.2
61 43.0 35.0 52.6



#30
Cyclohexane
Concen: 0.484 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Tgt Ion: 56 Resp: 13314
Ion Ratio Lower Upper
56 100
69 11.7 25.6 38.4#
84 92.2 73.0 109.4





#31

Carbon tetrachloride

Concen: 0.545 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

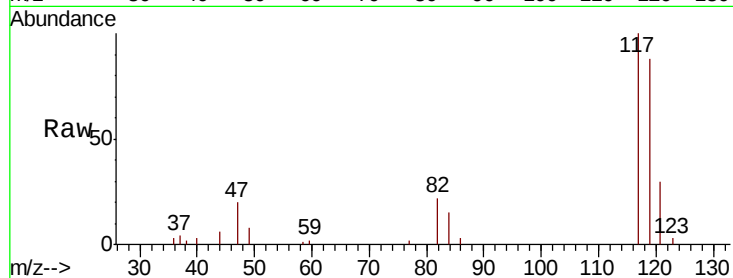
VSTD0.501

Tot Ion:117 Resp: 15787

Ion Ratio Lower Upper

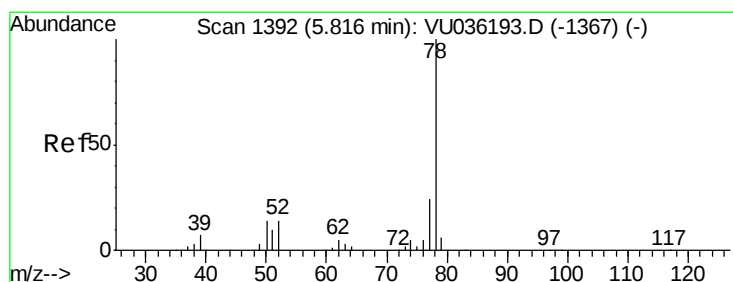
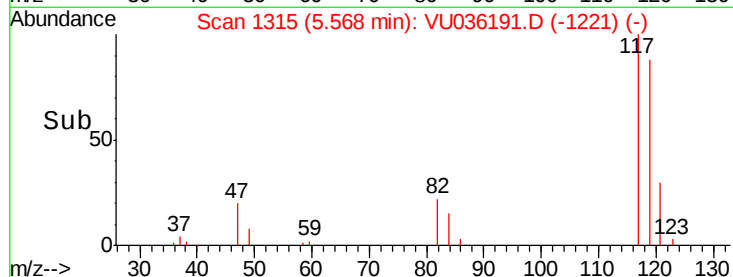
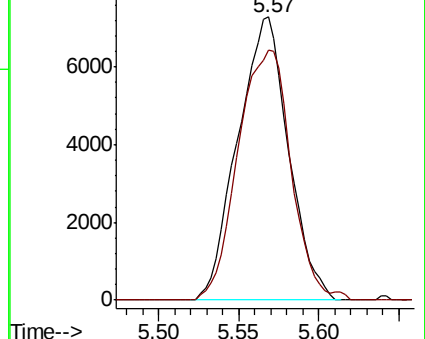
117 100

119 92.5 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.513 ug/L

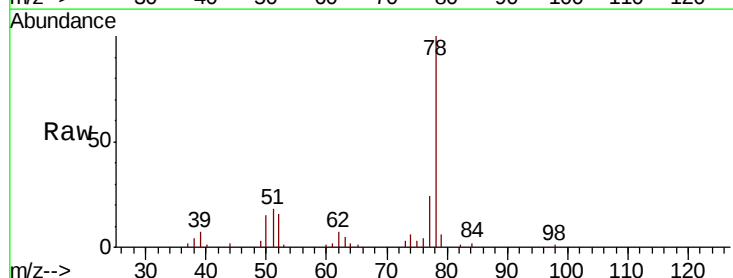
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

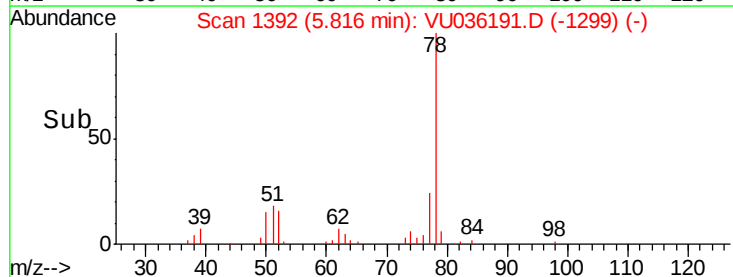
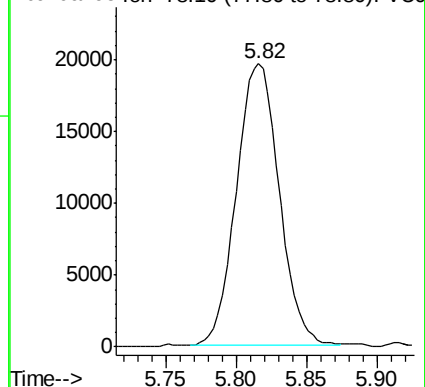
Lab File: VU036191.D

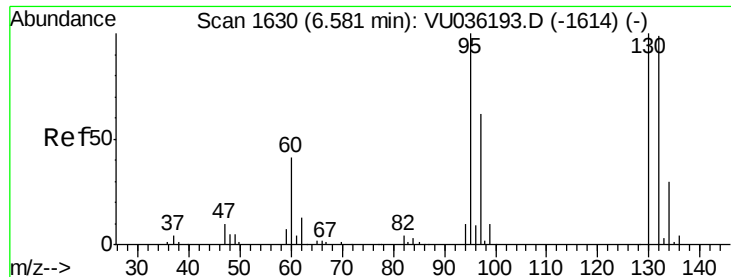
Acq: 13 Dec 2019 12:31

Tgt Ion: 78 Resp: 41549



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.504 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

Tot Ion: 95 Resp: 10499

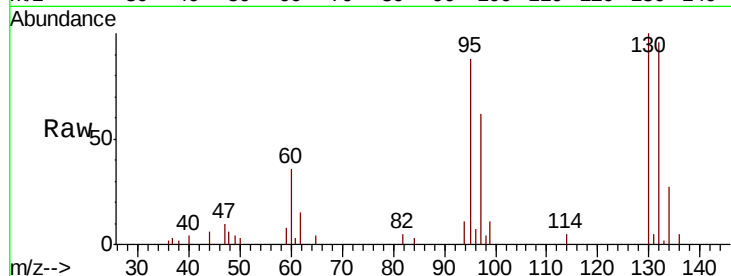
Ion Ratio Lower Upper

95 100

97 70.3 43.6 81.0

132 109.6 69.6 129.2

130 113.8 70.3 130.7

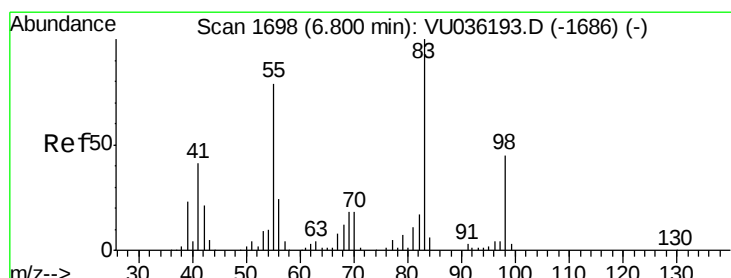
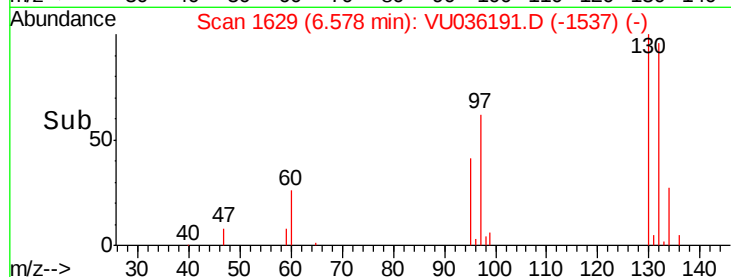
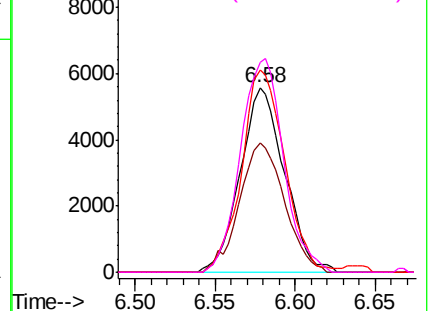


Abundance Ion 95.00 (94.70 to 95.70): VU036191.D (-1629) (-)

Ion 96.95 (96.65 to 97.65): VU036191.D (-1629) (-)

Ion 131.95 (131.65 to 132.65): VU036191.D (-1629) (-)

Ion 129.95 (129.65 to 130.65): VU036191.D (-1629) (-)



#35

Methylcyclohexane

Concen: 0.440 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

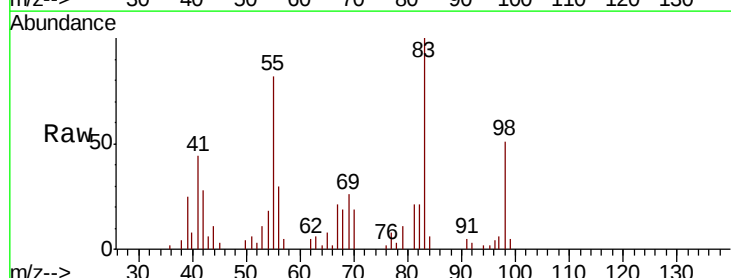
Tgt Ion: 83 Resp: 13022

Ion Ratio Lower Upper

83 100

55 82.1 62.6 94.0

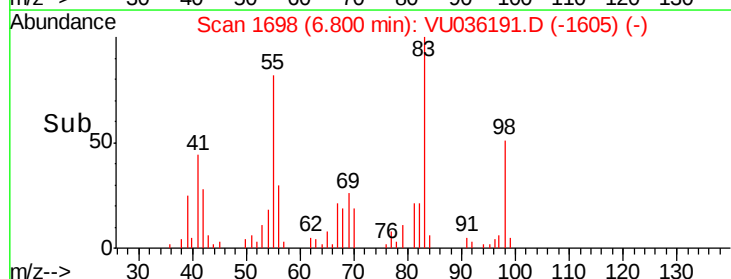
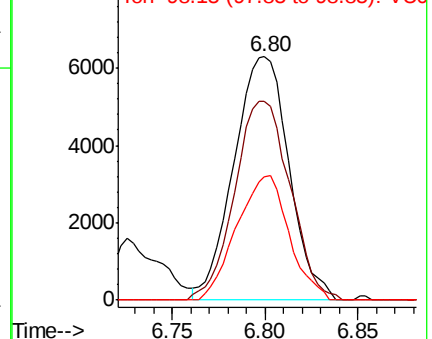
98 48.7 36.2 54.2

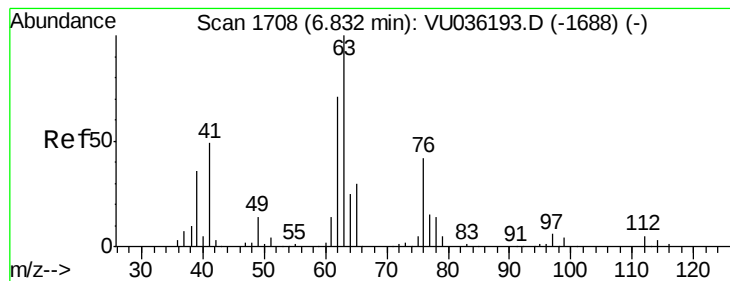


Abundance Ion 83.15 (82.85 to 83.85): VU036191.D (-1698) (-)

Ion 55.10 (54.80 to 55.80): VU036191.D (-1698) (-)

Ion 98.15 (97.85 to 98.85): VU036191.D (-1698) (-)





#37

1,2-Dichloropropane

Concen: 0.522 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

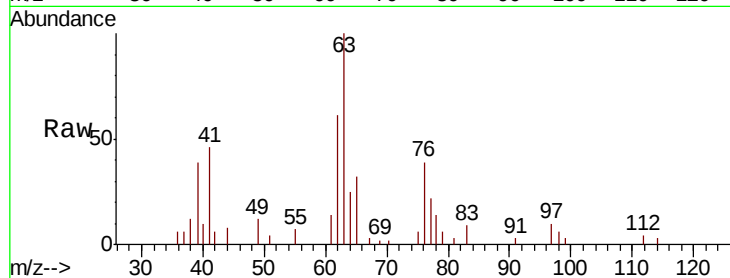
VSTD0.501

Tot Ion: 63 Resp: 10854

Ion Ratio Lower Upper

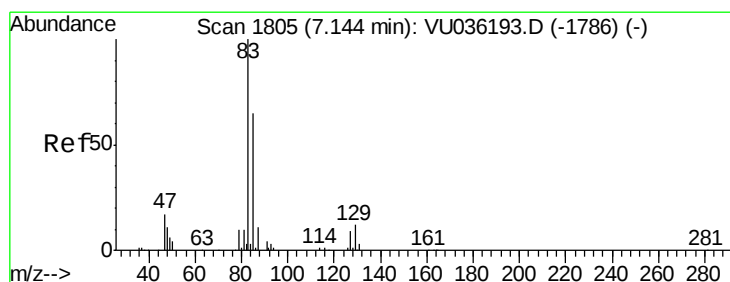
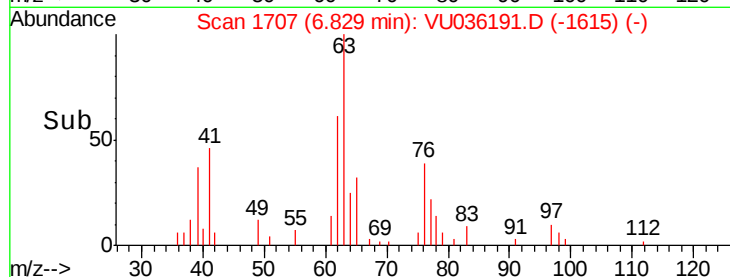
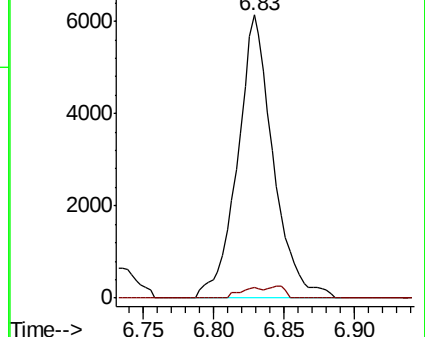
63 100

112 2.4 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036191.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU036191.D (-1688) (-)



#38

Bromodichloromethane

Concen: 0.542 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

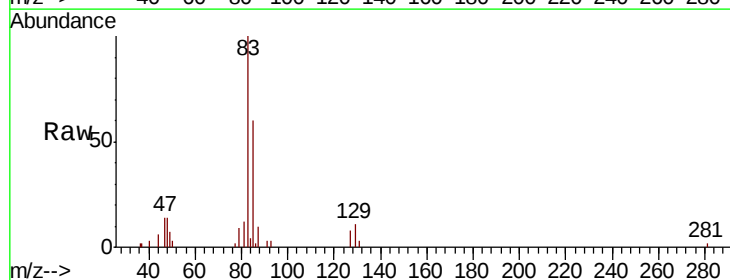
Tgt Ion: 83 Resp: 14489

Ion Ratio Lower Upper

83 100

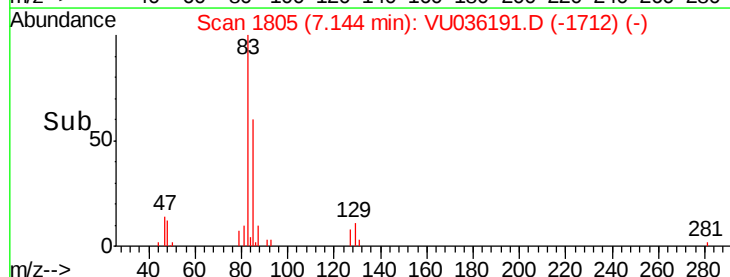
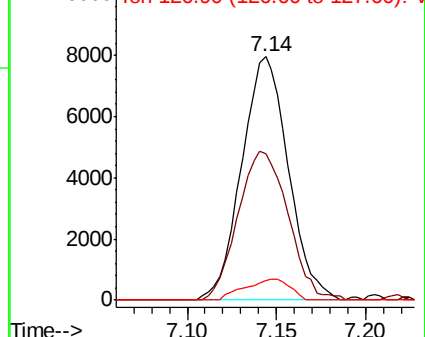
85 60.0 45.6 84.6

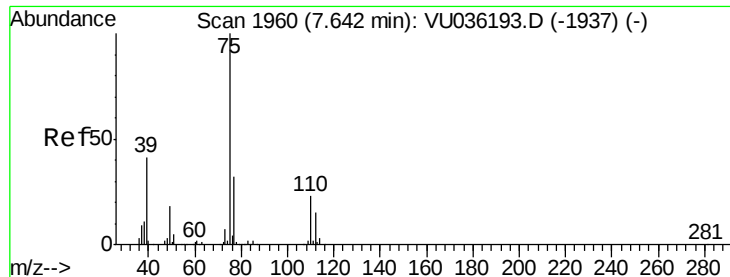
127 7.9 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VU036191.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU036191.D (-1786) (-)



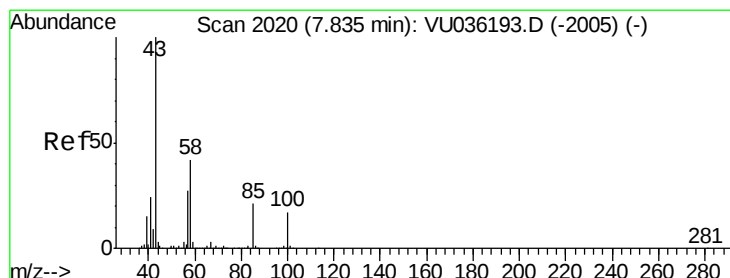
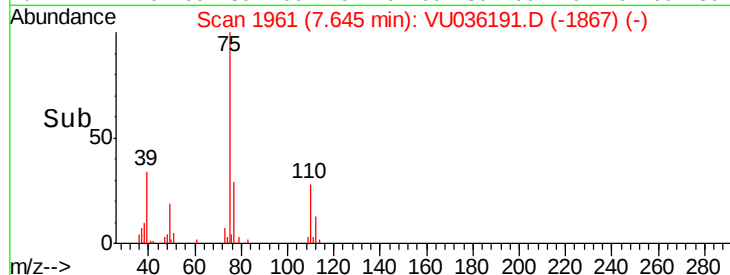
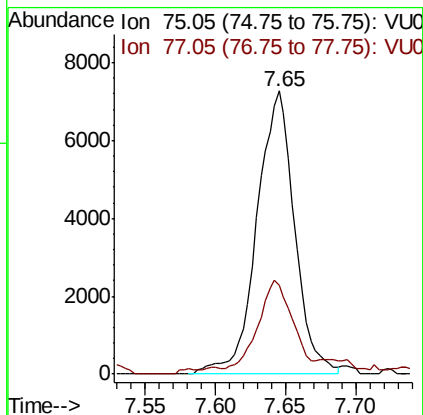
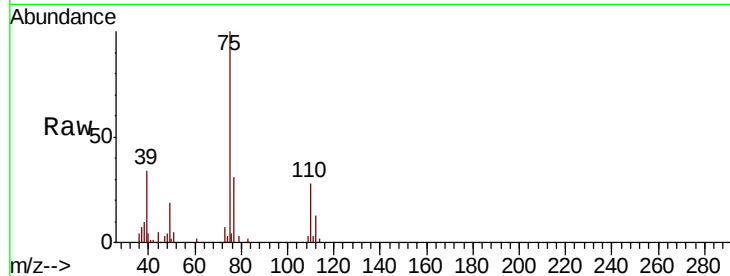


#39

cis-1,3-Dichloropropene
 Concen: 0.490 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU036191.D
 Acq: 13 Dec 2019 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

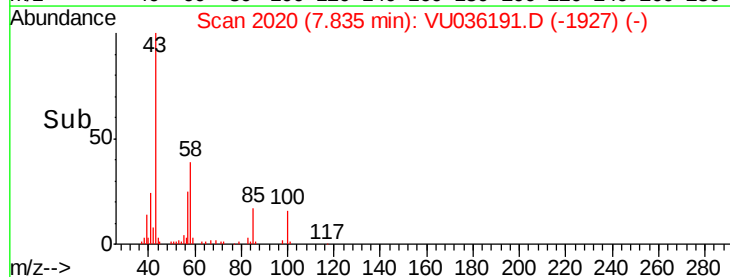
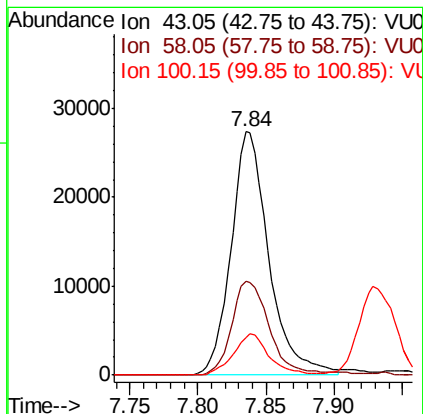
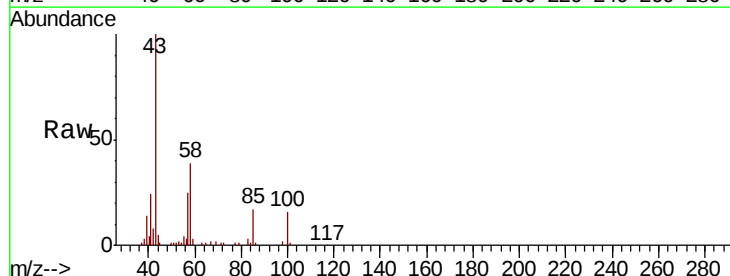
Tot Ion: 75 Resp: 13578
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.1

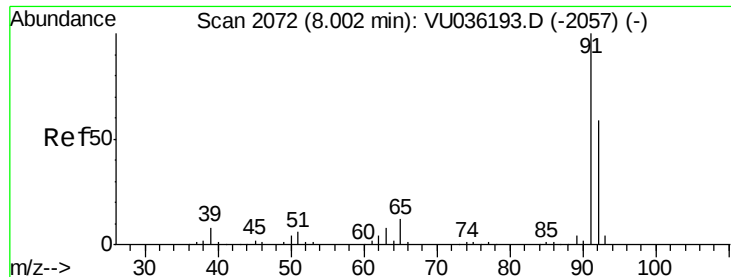


#40

4-Methyl-2-pentanone
 Concen: 4.968 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VU036191.D
 Acq: 13 Dec 2019 12:31

Tgt Ion: 43 Resp: 52676
 Ion Ratio Lower Upper
 43 100
 58 38.3 33.3 49.9
 100 15.9 13.7 20.5





#42

Toluene

Concen: 0.484 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

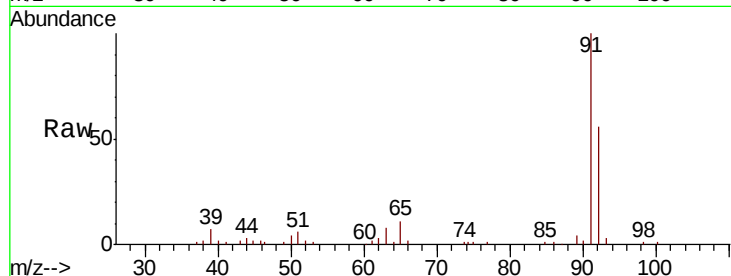
VSTD0.501

Tot Ion: 91 Resp: 41436

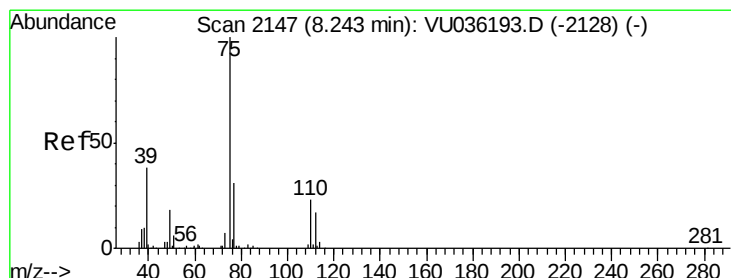
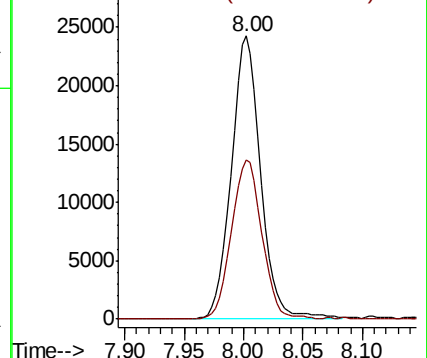
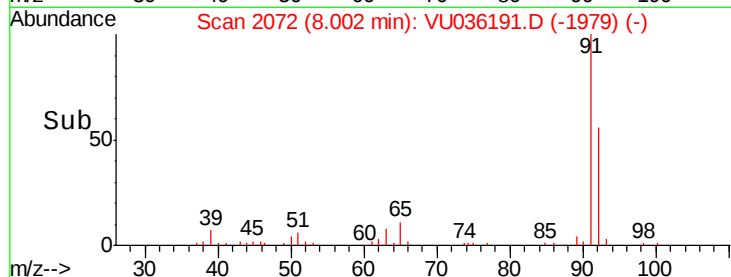
Ion Ratio Lower Upper

91 100

92 56.2 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036191.D (-1979) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.494 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU036191.D

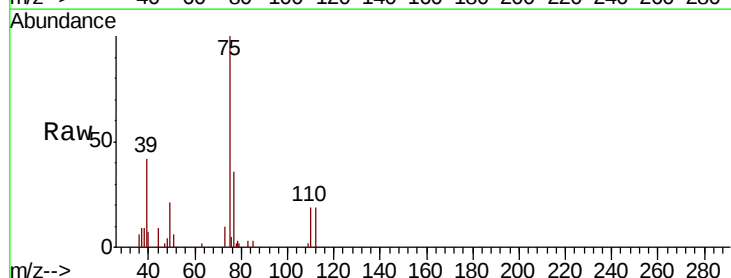
Acq: 13 Dec 2019 12:31

Tgt Ion: 75 Resp: 11559

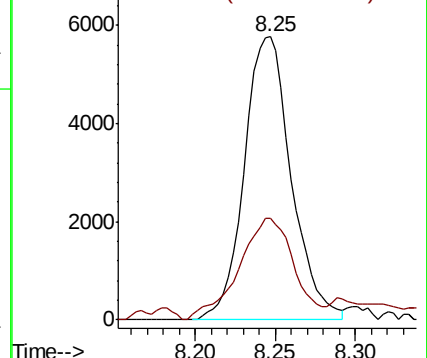
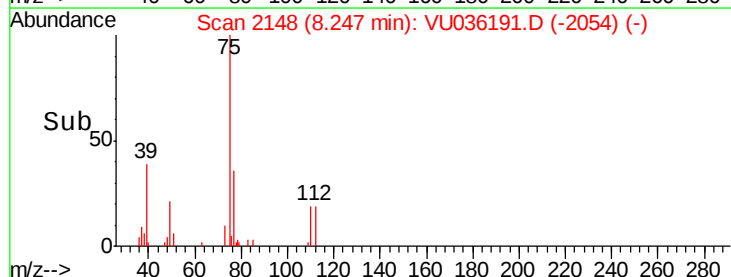
Ion Ratio Lower Upper

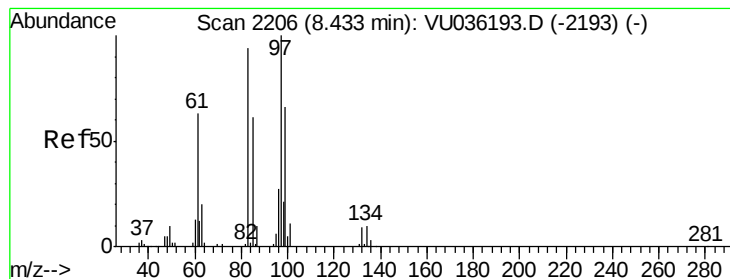
75 100

77 36.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU036191.D (-2054) (-)





#45

1,1,2-Trichloroethane

Concen: 0.553 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

Tot Ion: 97 Resp: 8482

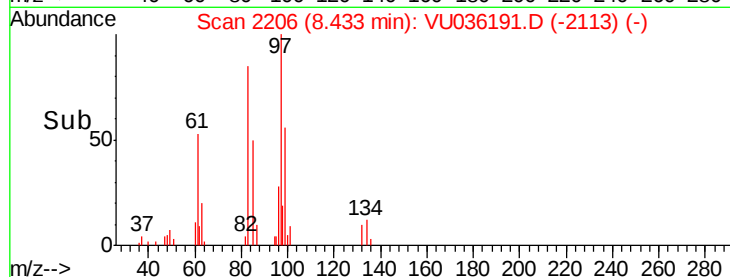
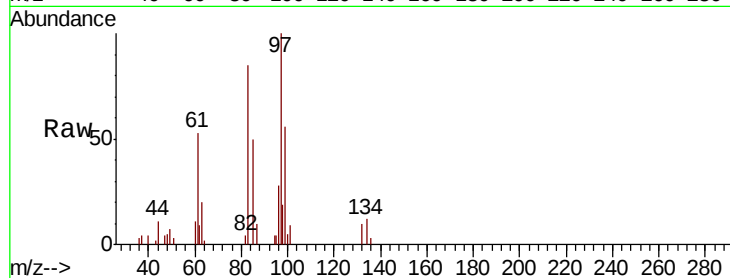
Ion Ratio Lower Upper

97 100

99 56.3 46.1 85.5

83 85.0 65.9 122.3

85 50.0 43.1 80.1

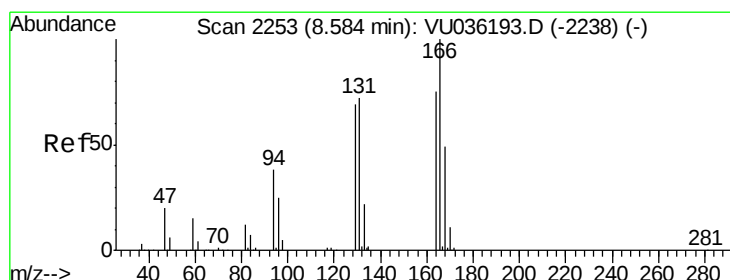
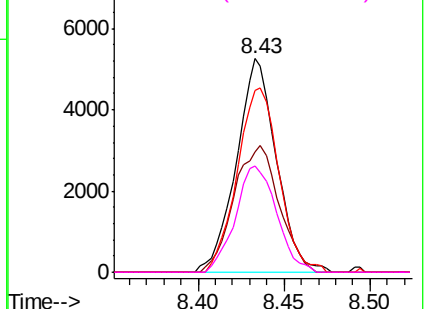


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.571 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Tgt Ion: 164 Resp: 10372

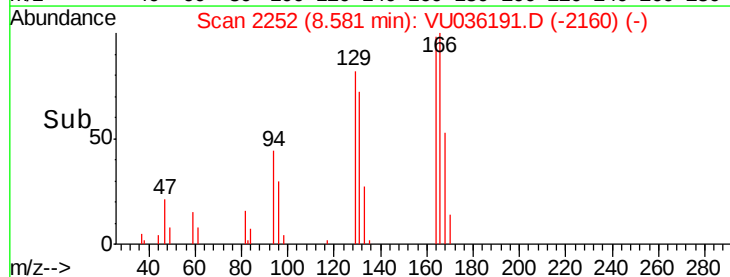
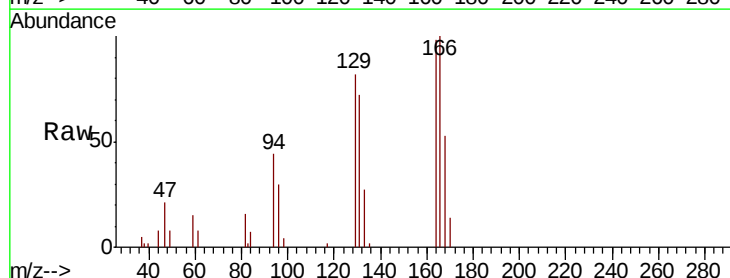
Ion Ratio Lower Upper

164 100

129 84.1 64.2 119.2

131 73.4 66.6 123.8

166 102.0 93.1 172.9

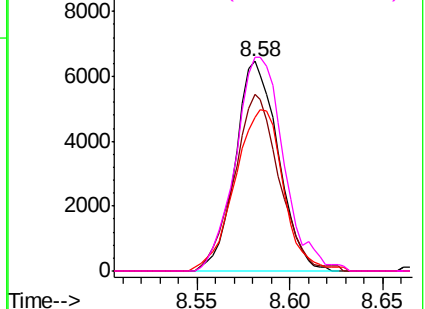


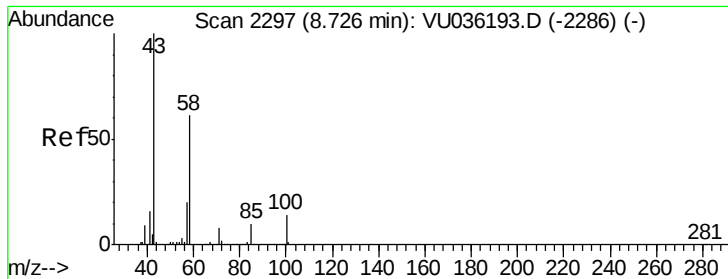
Abundance Ion 163.90 (163.60 to 164.60): V

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

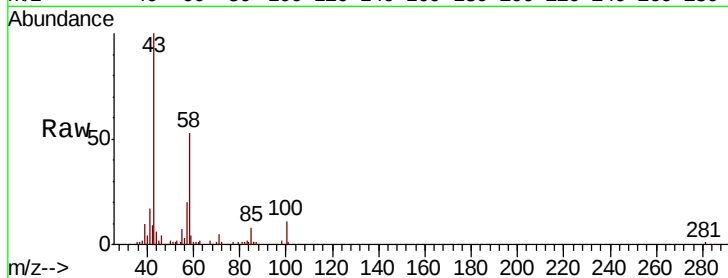




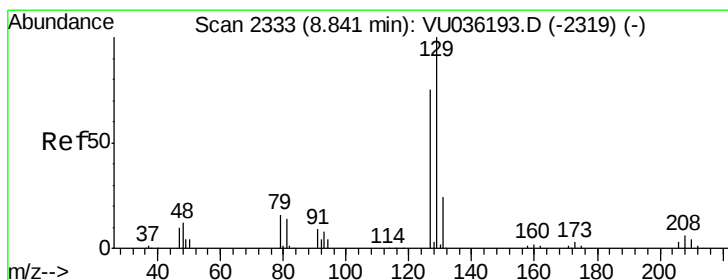
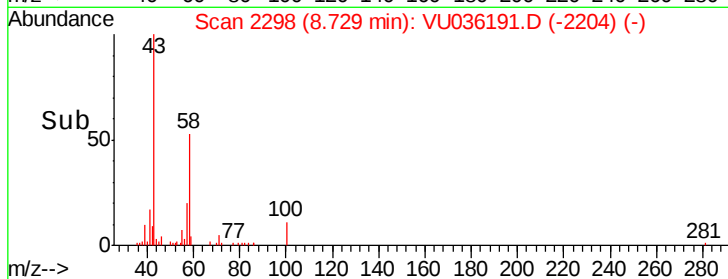
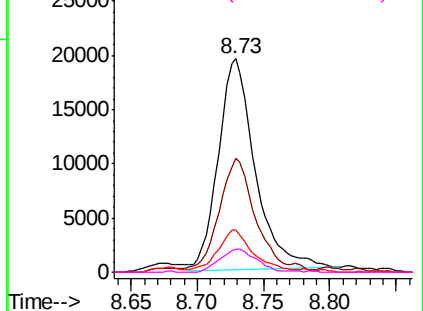
#48
2-Hexanone
Concen: 4.854 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion:	43	Resp:	37915
Ion	Ratio	Lower	Upper
43	100		
58	51.8	46.2	69.2
57	17.6	16.2	24.4
100	10.8	10.2	15.4

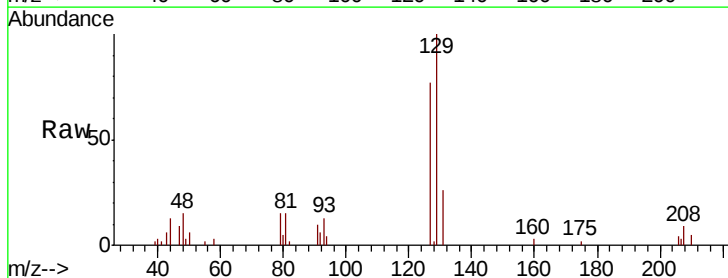


Abundance Ion 43.05 (42.75 to 43.75): VU036191.D (-2297) (-)
Ion 58.05 (57.75 to 58.75): VU036191.D (-2297) (-)
Ion 57.20 (56.90 to 57.90): VU036191.D (-2297) (-)
Ion 100.15 (99.85 to 100.85): VU036191.D (-2297) (-)

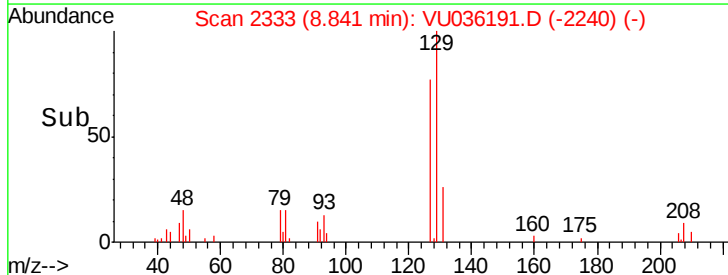
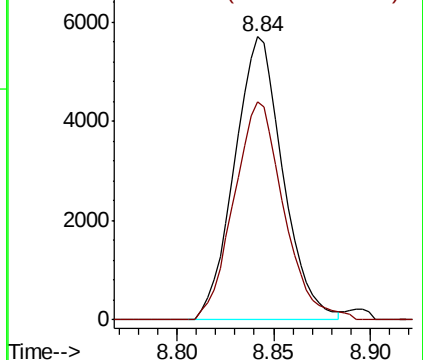


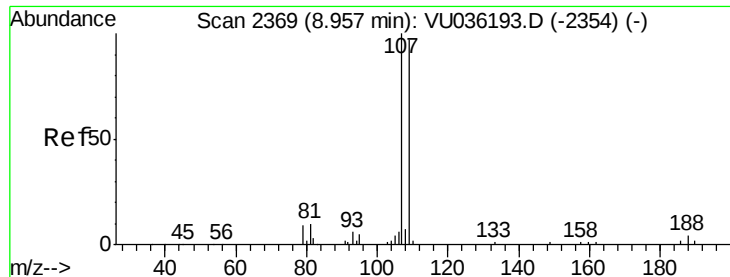
#49
Dibromochloromethane
Concen: 0.517 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Tgt Ion:	129	Resp:	9921
Ion	Ratio	Lower	Upper
129	100		
127	77.2	52.6	97.6



Abundance Ion 128.95 (128.65 to 129.65): VU036191.D (-2333) (-)
Ion 126.90 (126.60 to 127.60): VU036191.D (-2333) (-)

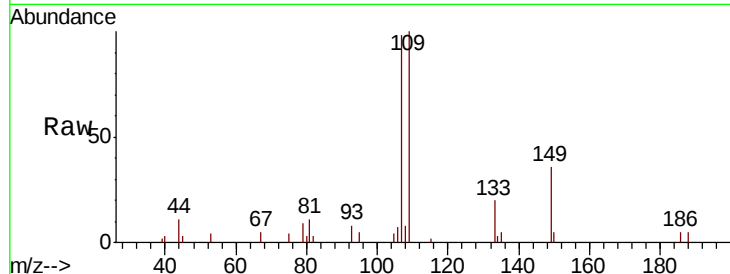




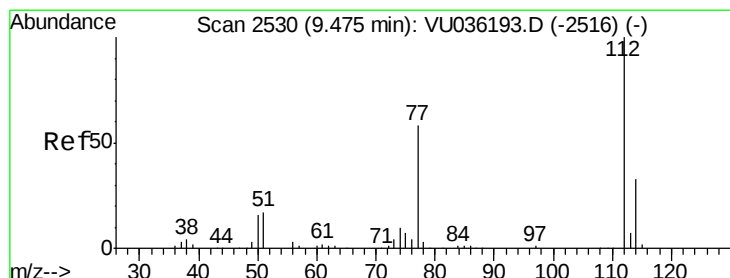
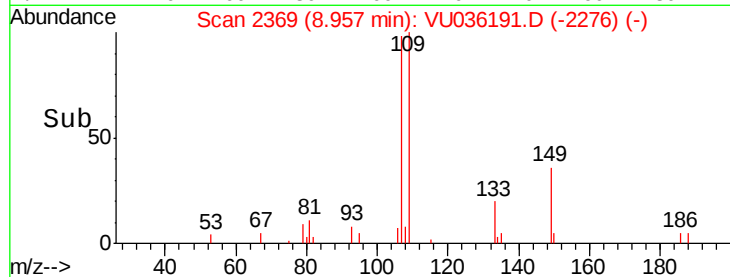
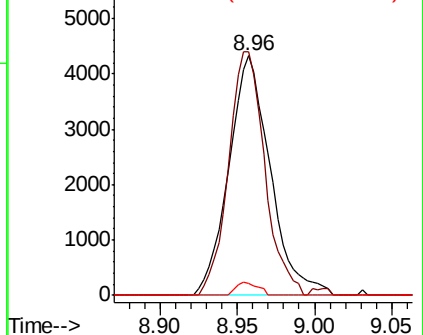
#50
1,2-Dibromoethane
Concen: 0.559 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion:107 Resp: 8059
Ion Ratio Lower Upper
107 100
109 101.6 67.5 125.4
188 4.8 3.1 4.7#

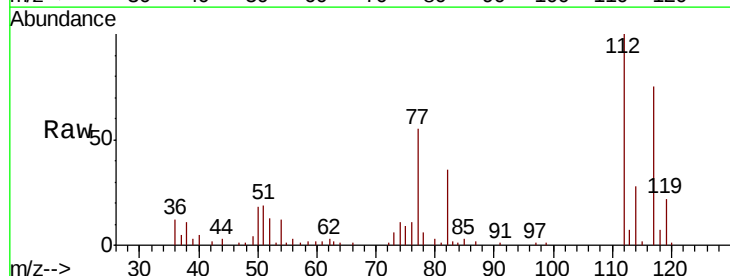


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

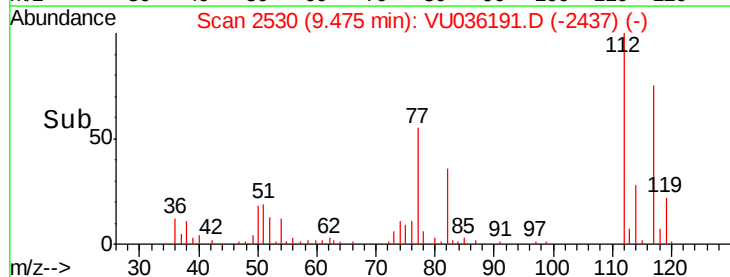
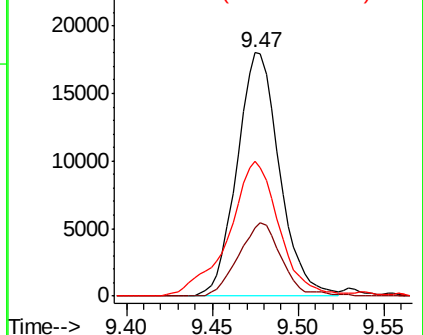


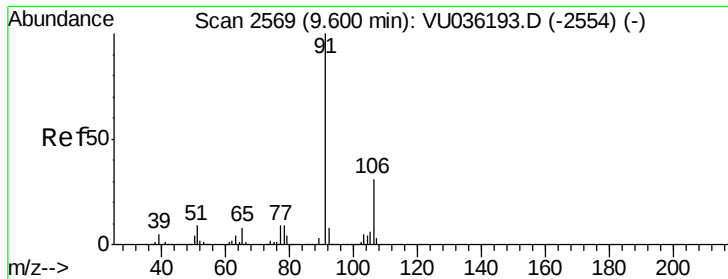
#51
Chlorobenzene
Concen: 0.552 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Tgt Ion:112 Resp: 30923
Ion Ratio Lower Upper
112 100
114 28.1 23.2 43.2
77 55.2 46.5 69.7



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: 0.486 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

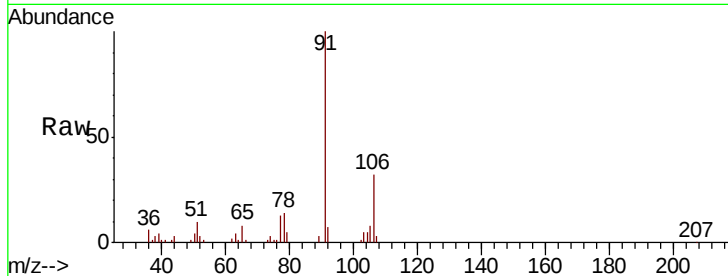
VSTD0.501

Tot Ion: 91 Resp: 40788

Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036191.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU036191.D (-2554) (-)

9.60

25000

20000

15000

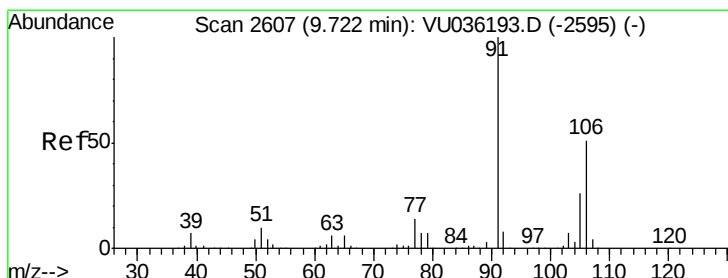
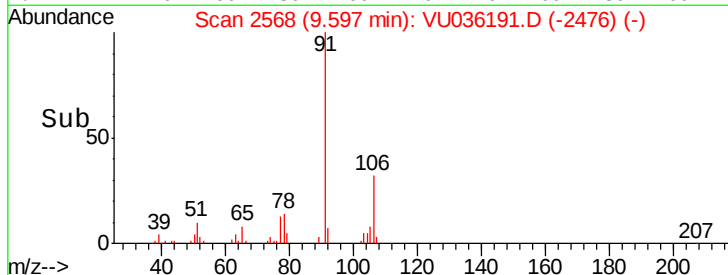
10000

5000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 0.443 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036191.D

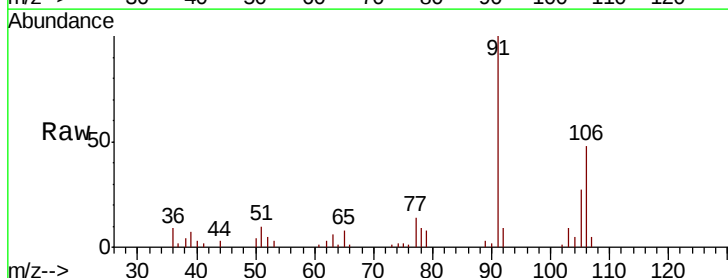
Acq: 13 Dec 2019 12:31

Tgt Ion: 106 Resp: 14616

Ion Ratio Lower Upper

106 100

91 207.1 138.7 257.7



Abundance Ion 106.15 (105.85 to 106.85): VU036191.D (-2595) (-)

Ion 91.15 (90.85 to 91.85): VU036191.D (-2595) (-)

9.72

20000

15000

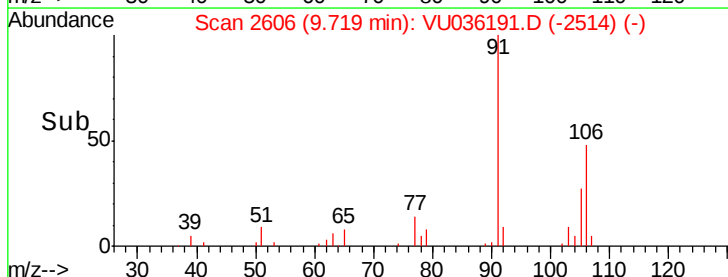
10000

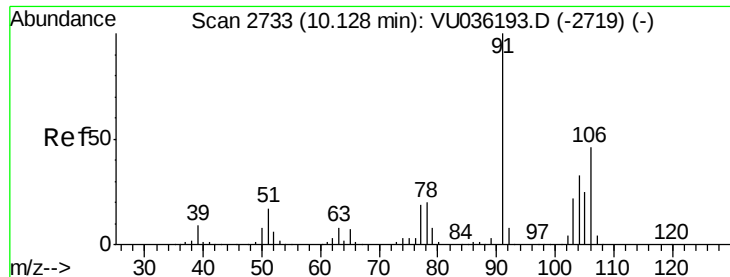
5000

0

9.65 9.70 9.75 9.80

Time-->

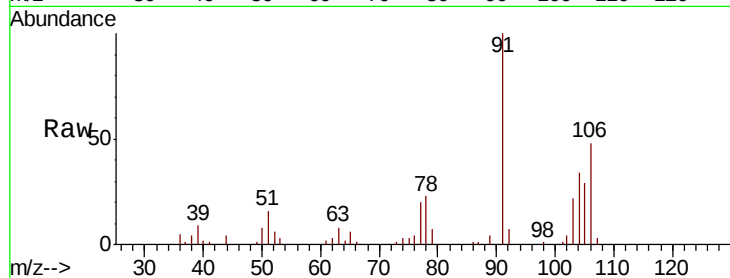




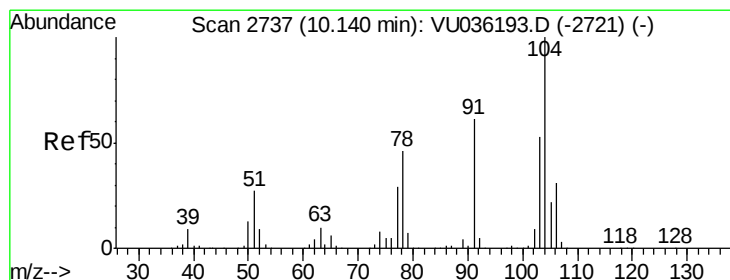
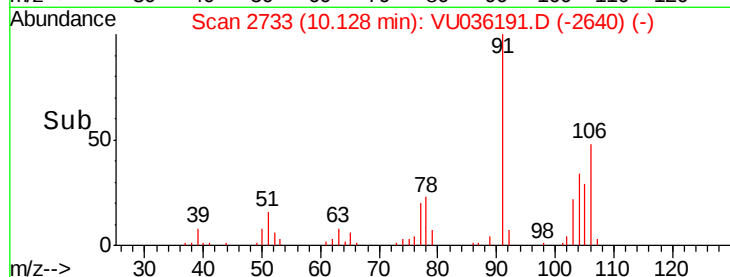
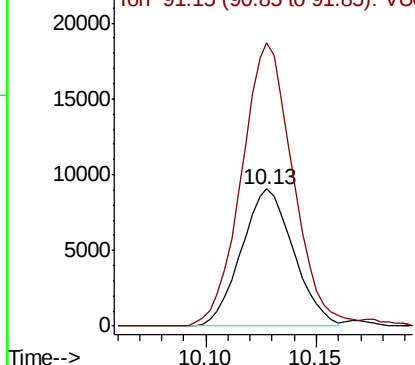
#54
o-Xylene
Concen: 0.470 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion:106 Resp: 14819
Ion Ratio Lower Upper
106 100
91 206.3 152.8 283.8

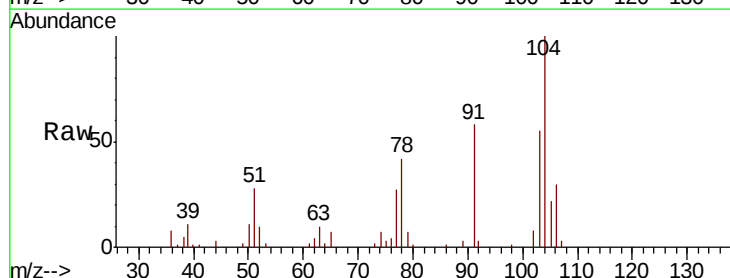


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

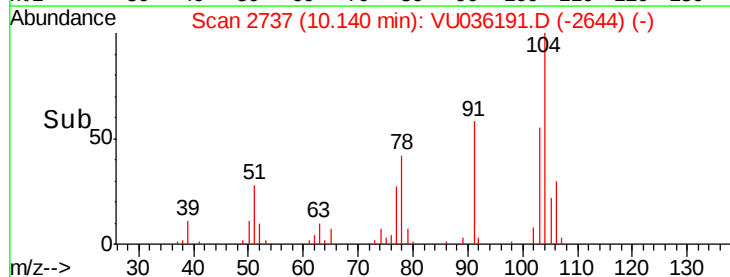
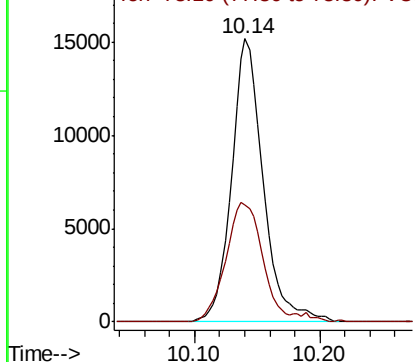


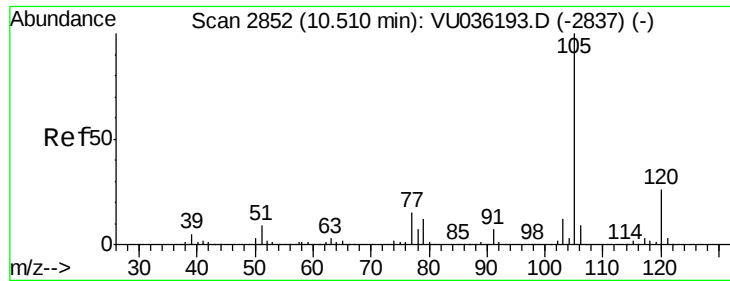
#55
Styrene
Concen: 0.472 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036191.D
Acq: 13 Dec 2019 12:31

Tgt Ion:104 Resp: 26496
Ion Ratio Lower Upper
104 100
78 41.5 32.1 59.5



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





#56

Isopropylbenzene

Concen: 0.465 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

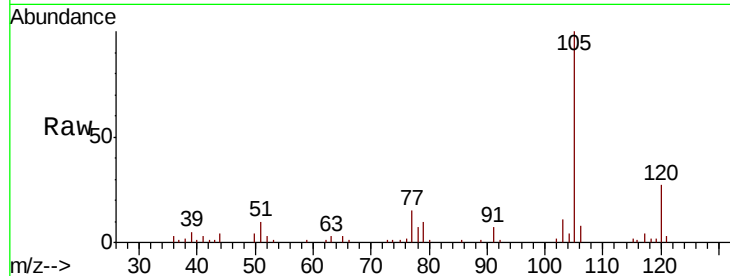
Tot Ion:105 Resp: 37338

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

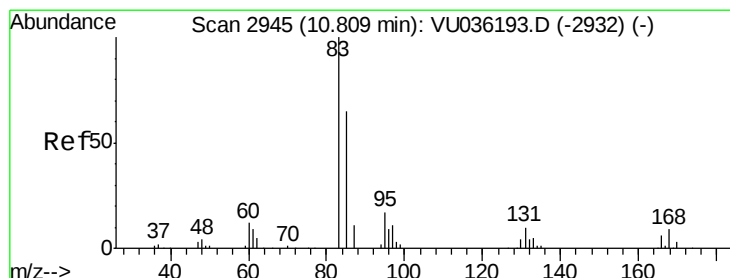
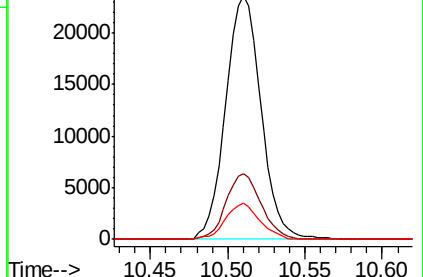
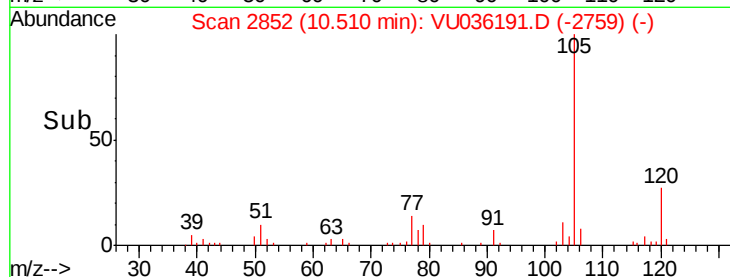
77 14.2 12.5 18.7



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: 0.568 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

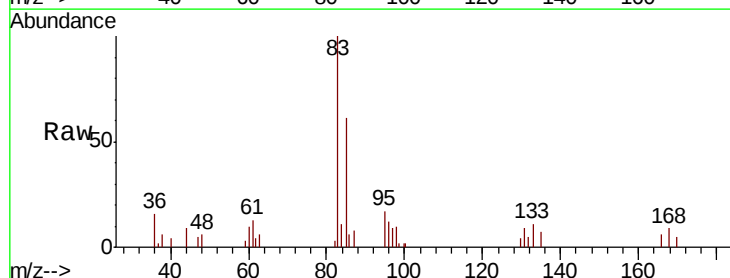
Tgt Ion: 83 Resp: 11009

Ion Ratio Lower Upper

83 100

85 60.9 45.6 84.8

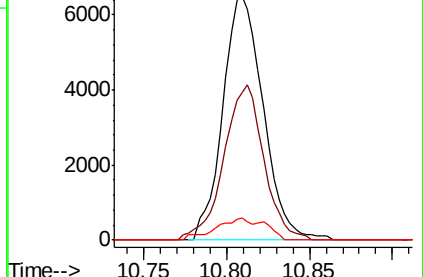
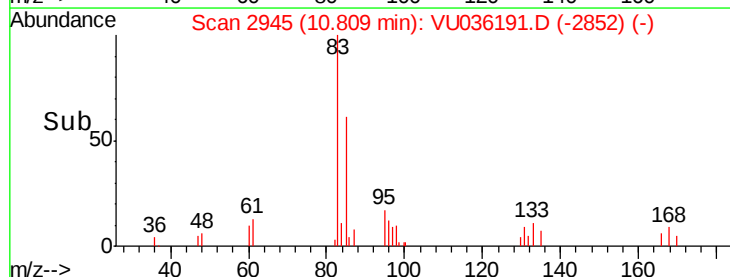
131 9.3 8.5 12.7

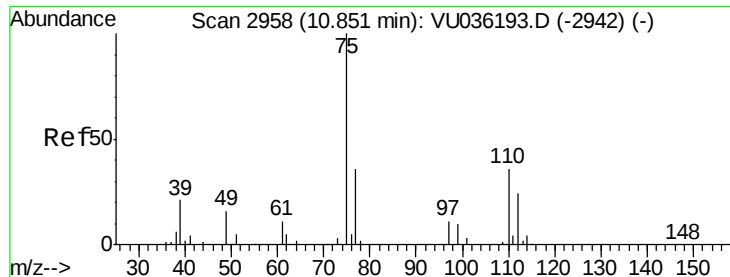


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.539 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

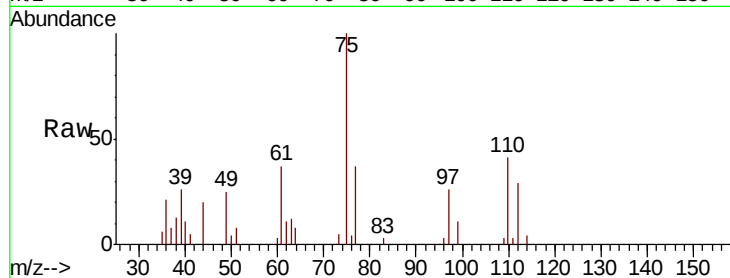
VSTD0.501

Tot Ion: 75 Resp: 7407

Ion Ratio Lower Upper

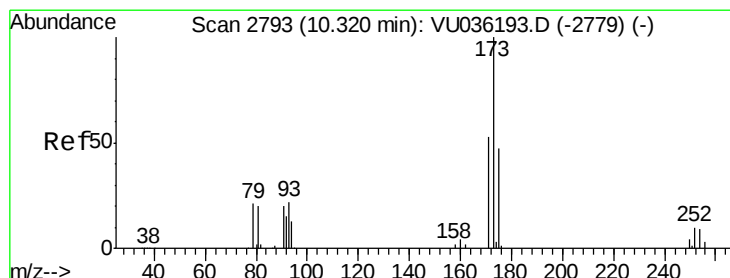
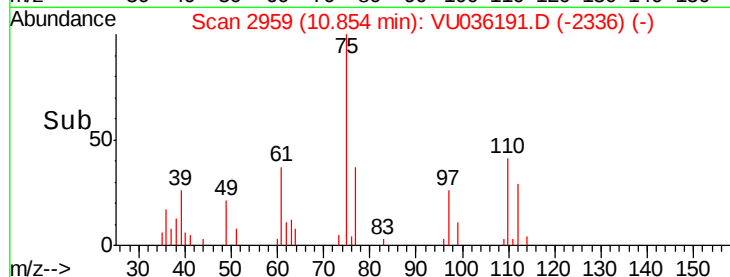
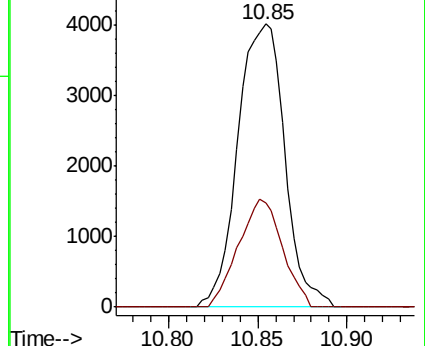
75 100

77 35.7 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU036191.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU036191.D (-2942) (-)



#61

Bromoform

Concen: 0.554 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

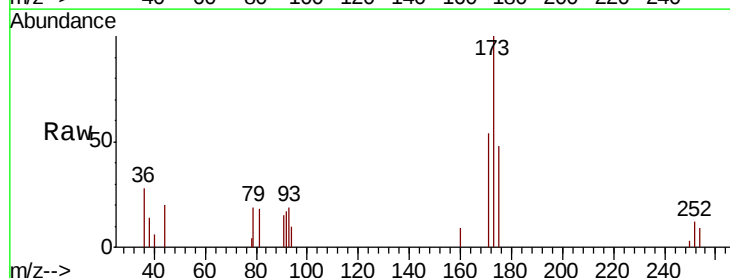
Tgt Ion: 173 Resp: 6020

Ion Ratio Lower Upper

173 100

175 46.4 39.2 58.8

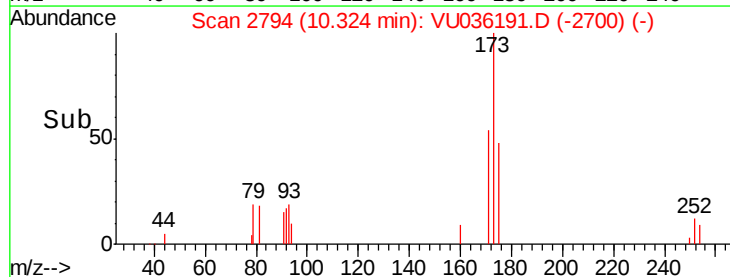
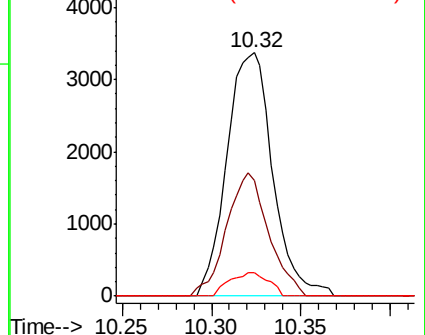
254 8.1 7.8 11.6

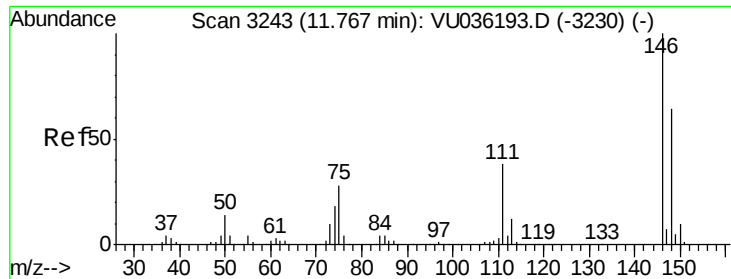


Abundance Ion 172.90 (172.60 to 173.60): VU036191.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU036191.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU036191.D (-2779) (-)

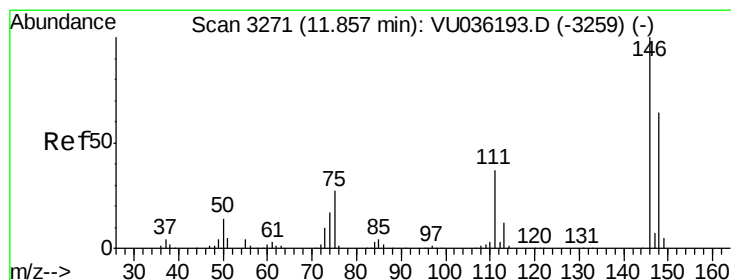
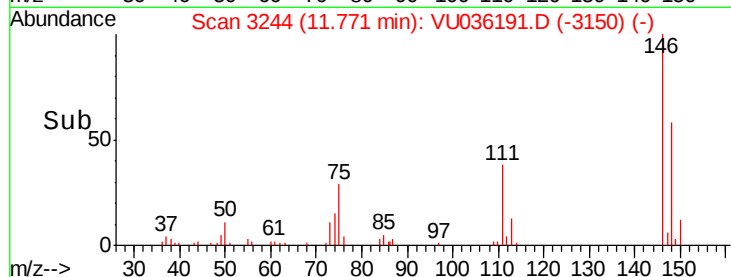
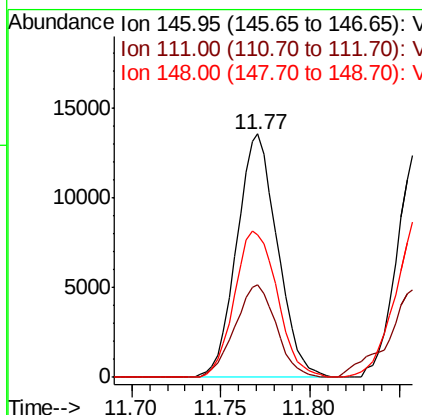
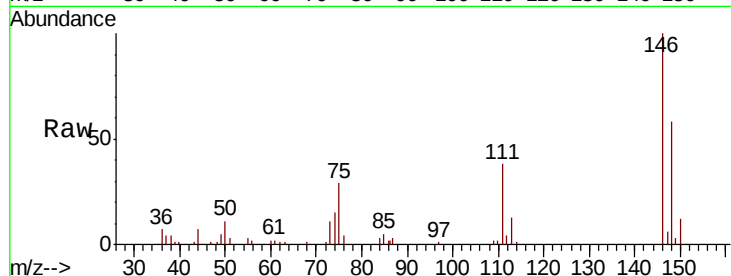




#62
 1,3-Dichlorobenzene
 Concen: 0.566 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036191.D
 Acq: 13 Dec 2019 12:31

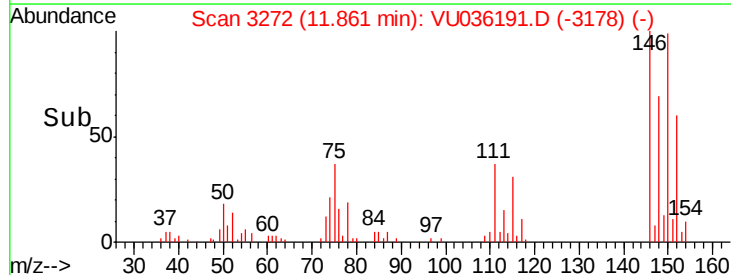
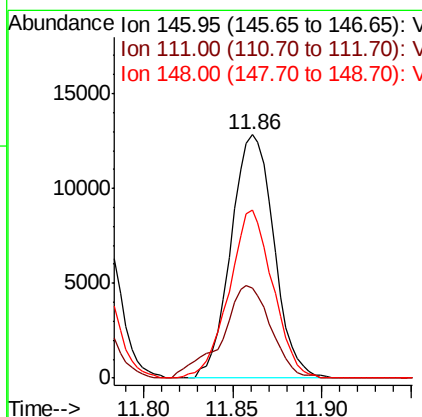
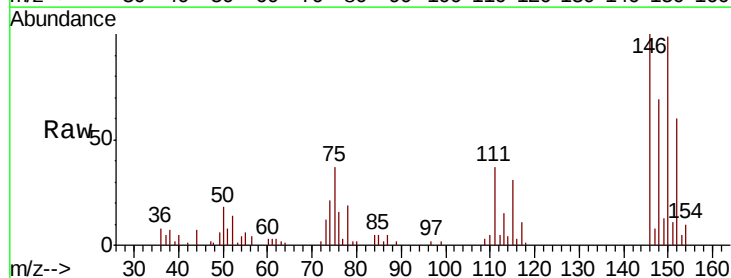
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

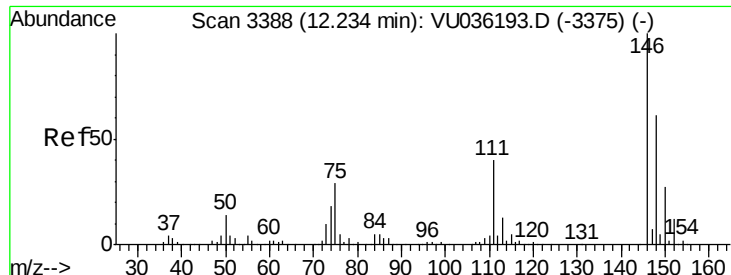
Tot Ion:146 Resp: 21422
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.3 48.9
 148 58.4 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 0.575 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036191.D
 Acq: 13 Dec 2019 12:31

Tgt Ion:146 Resp: 21436
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.8 48.0
 148 69.2 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 0.573 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

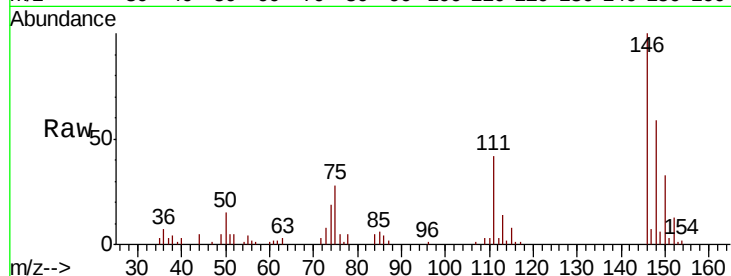
Tot Ion:146 Resp: 20786

Ion Ratio Lower Upper

146 100

111 42.1 32.5 48.7

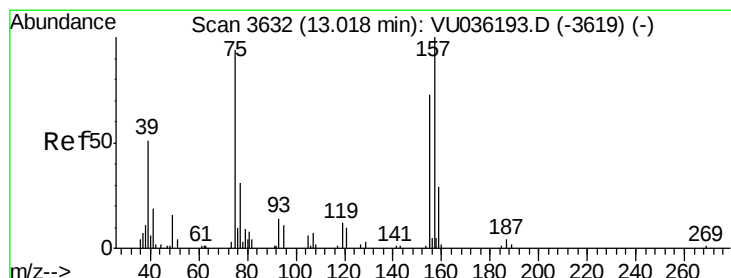
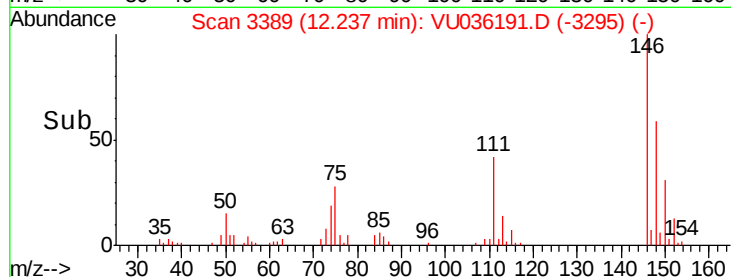
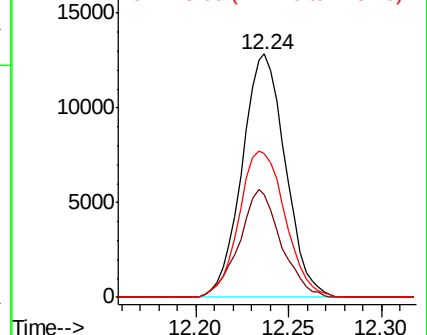
148 59.0 49.2 73.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.684 ug/L

RT: 13.01 min Scan# 3630

Delta R.T. -0.01 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

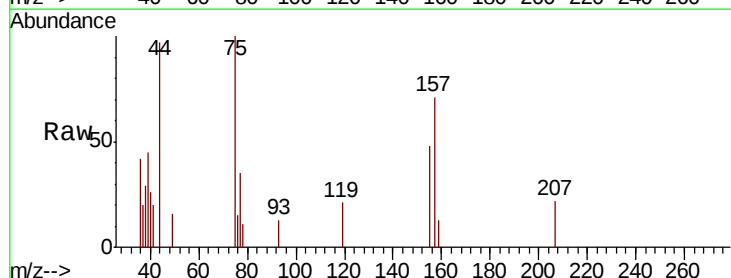
Tgt Ion: 75 Resp: 1609

Ion Ratio Lower Upper

75 100

155 47.6 61.9 92.9#

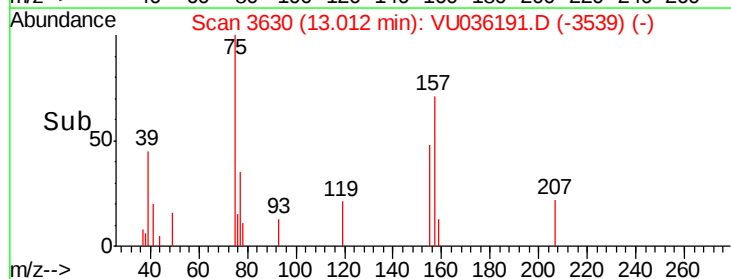
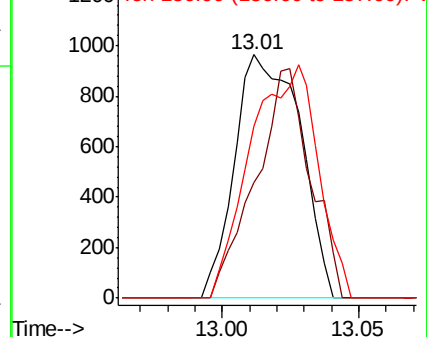
157 70.5 84.9 127.3#

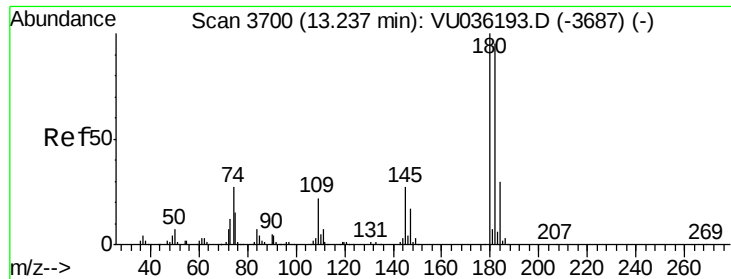


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

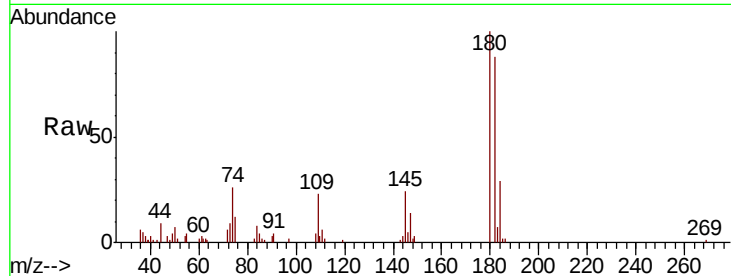




#67
 1,3,5-Trichlorobenzene
 Concen: 0.674 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036191.D
 Acq: 13 Dec 2019 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
184	29.2	24.2	36.4
145	27.0	22.0	33.0



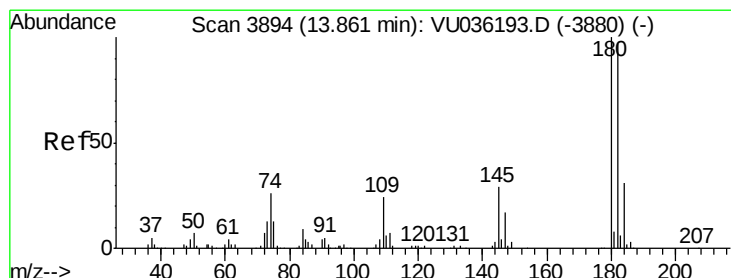
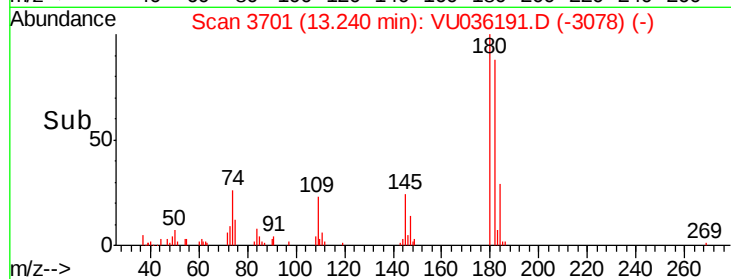
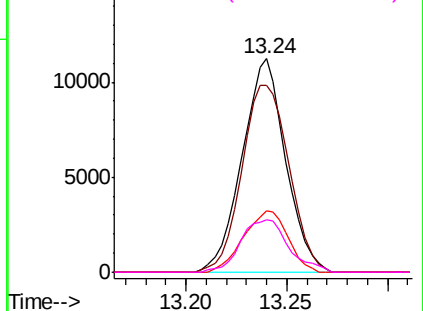
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

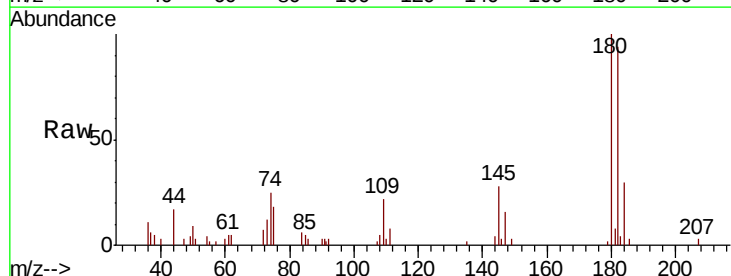
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.681 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036191.D
 Acq: 13 Dec 2019 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.4	75.3	112.9
145	29.2	22.7	34.1

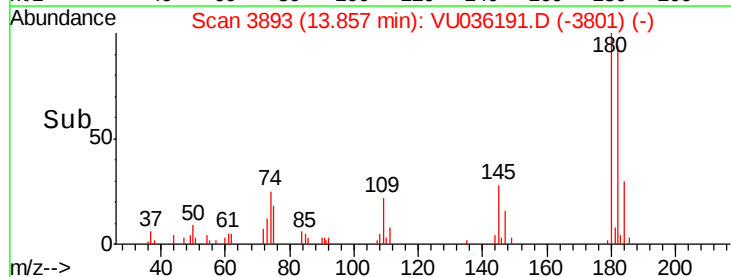
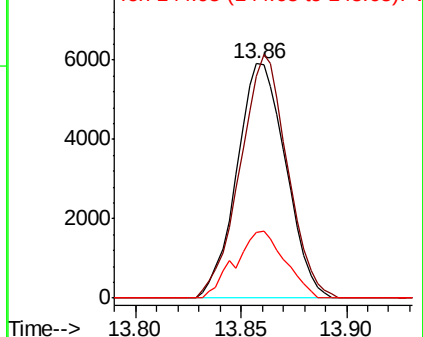


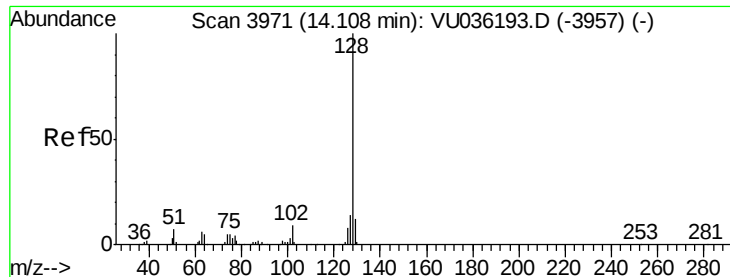
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.738 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

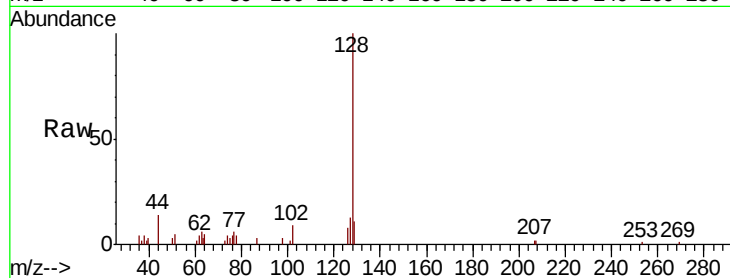
Tot Ion:128 Resp: 11299

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

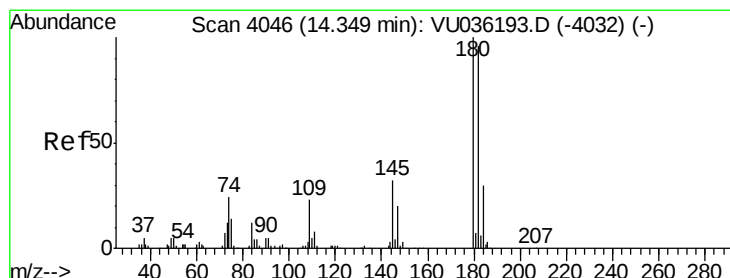
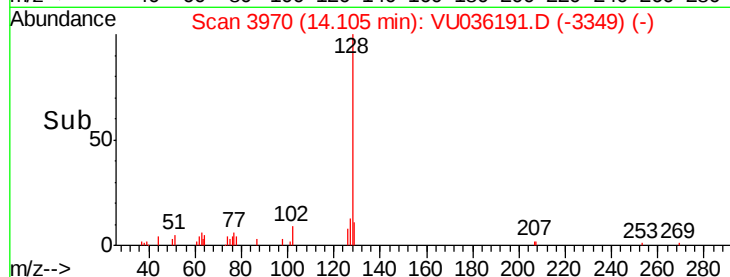
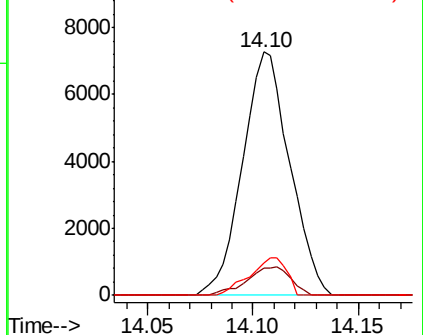
127 12.2 11.5 17.3



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: 0.706 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036191.D

Acq: 13 Dec 2019 12:31

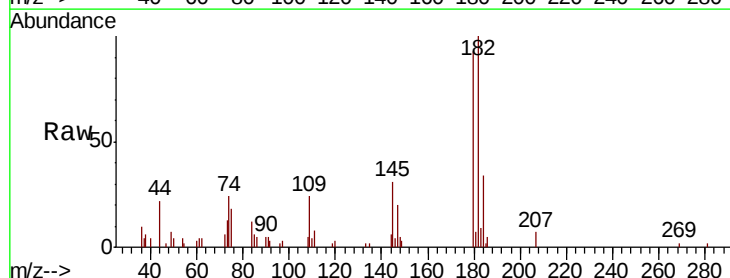
Tgt Ion:180 Resp: 9265

Ion Ratio Lower Upper

180 100

182 106.8 77.0 115.6

145 33.4 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

