

Data File : VU034915.D
Acq On : 03 Oct 2019 13:09
Operator : JC/SP
Sample : VSTD20031
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Quant Time: Oct 04 05:12:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 05:07:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	429682	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	429668	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	223153	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	703779	212.94	ug/L	0.00
7) Chloroethane-d5	1.66	69	503670	182.68	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.25	63	1239748	210.82	ug/L	0.00
21) 2-Butanone-d5	4.14	46	1118333	511.75	ug/L	0.00
24) Chloroform-d	4.62	84	1166546	210.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	758564	211.30	ug/L	0.00
32) Benzene-d6	5.32	84	2375431	215.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	782878	220.65	ug/L	0.00
41) Toluene-d8	7.54	98	2276824	220.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	401594	234.54	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	879277	542.27	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	1183230	223.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	894681	216.41	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	759993	181.068	ug/L	100
3) Chloromethane	1.32	50	843574	199.013	ug/L	100
5) Vinyl chloride	1.40	62	807685	170.690	ug/L	99
6) Bromomethane	1.60	94	489845	166.185	ug/L	98
8) Chloroethane	1.68	64	454021	160.535	ug/L	99
9) Trichlorofluoromethane	1.87	101	930574	152.865	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	525013	182.570	ug/L	99
12) 1,1-Dichloroethene	2.26	96	519137	184.255	ug/L	90
13) Acetone	2.31	43	998395	381.437	ug/L	99
14) Carbon disulfide	2.46	76	1714779	195.494	ug/L	99
15) Methyl Acetate	2.59	43	774514	221.520	ug/L	100
16) Methylene chloride	2.68	84	627920	190.789	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	576326	193.964	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	1925266	206.870	ug/L	100
19) 1,1-Dichloroethane	3.42	63	1143536	198.420	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	657458	196.251	ug/L	99
22) 2-Butanone	4.23	43	1290969	439.769	ug/L	97
23) Bromochloromethane	4.52	128	325353	190.305	ug/L	98
25) Chloroform	4.65	83	1137029	186.676	ug/L	98
27) 1,2-Dichloroethane	5.38	62	931295	196.659	ug/L	100
29) Cyclohexane	4.97	56	1067184	219.086	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	954059	188.129	ug/L	99
31) Carbon tetrachloride	5.11	117	841865	190.305	ug/L	99
33) Benzene	5.36	78	2495465	194.335	ug/L	100
34) Trichloroethene	6.16	95	643756	192.743	ug/L	99
35) Methylcyclohexane	6.39	83	1061395	206.517	ug/L	99
37) 1,2-Dichloropropane	6.41	63	700471	200.562	ug/L	100
38) Bromodichloromethane	6.73	83	875199	197.256	ug/L	98
39) cis-1,3-Dichloropropene	7.24	75	1154673	214.007	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	2359943	488.093	ug/L	100

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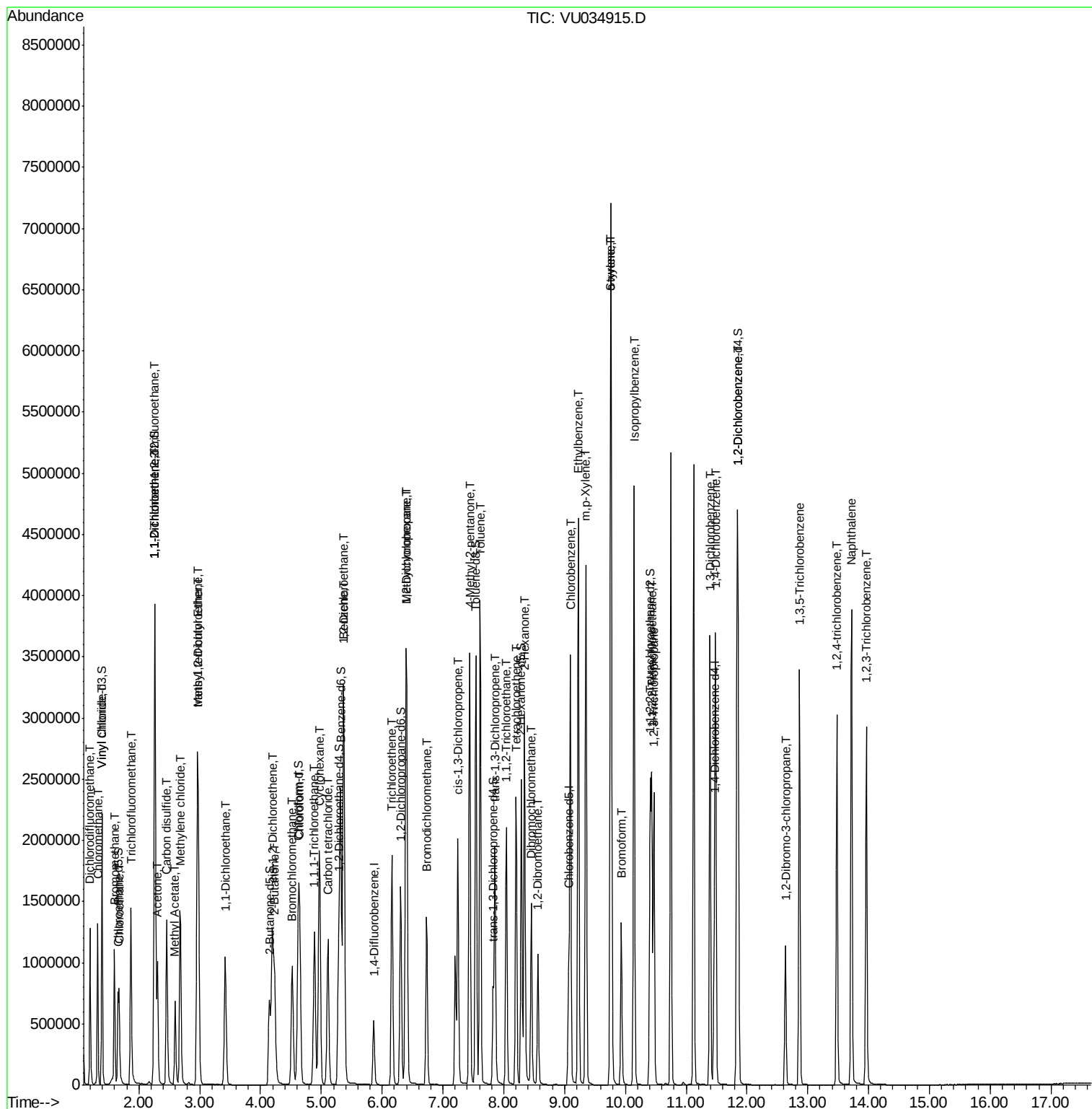
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	2768042	200.977	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	1044515	217.793	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	628408	192.870	ug/L	98
46) Tetrachloroethene	8.20	164	506041	195.692	ug/L	100
48) 2-Hexanone	8.34	43	1928809	492.090	ug/L	96
49) Dibromochloromethane	8.45	129	727431	200.845	ug/L	99
50) 1,2-Dibromoethane	8.56	107	703157	198.268	ug/L	100
51) Chlorobenzene	9.10	112	1776574	198.560	ug/L	99
52) Ethylbenzene	9.23	91	3174702	214.681	ug/L	99
53) m,p-Xylene	9.35	106	1178571	211.300	ug/L	100
54) o-xylene	9.76	106	1174834	212.423	ug/L	98
55) Styrene	9.77	104	2034061	217.751	ug/L	99
56) Isopropylbenzene	10.14	105	3086916	216.244	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	1197934	208.241	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	952302	209.954	ug/L	100
61) Bromoform	9.94	173	578987	208.076	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	1408141	200.840	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	1393354	191.996	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	1385247	193.586	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	275432	202.551	ug/L	96
67) 1,3,5-Trichlorobenzene	12.86	180	1012614	202.346	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	917022	214.512	ug/L	100
69) Naphthalene	13.72	128	2974833	220.340	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	883913	191.025	ug/L	100

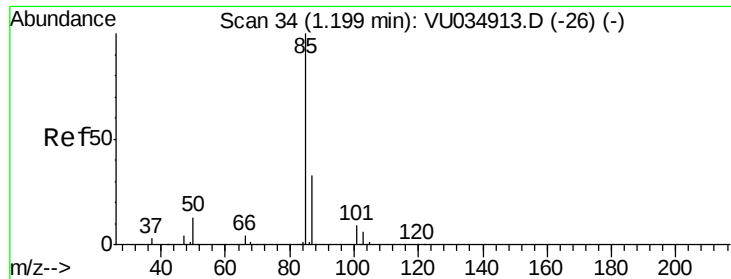
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 181.068 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

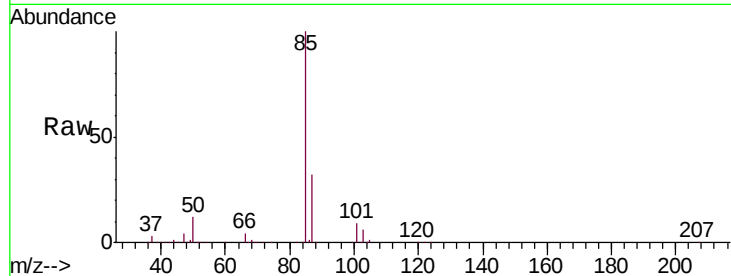
VSTD20031

Tgt Ion: 85 Resp: 759993

Ion Ratio Lower Upper

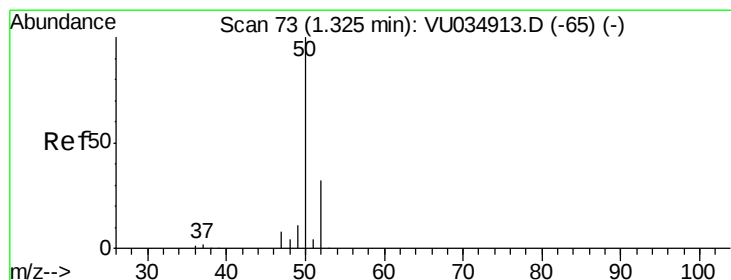
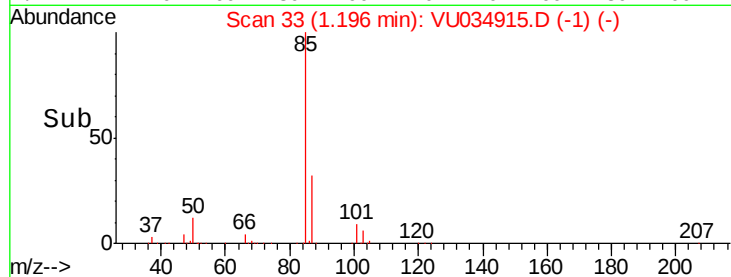
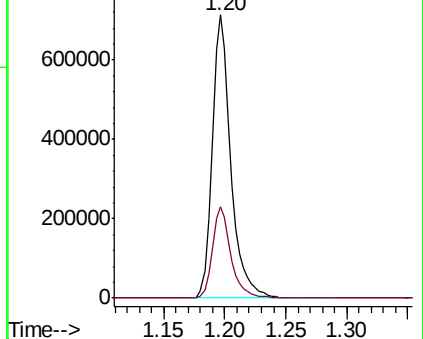
85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034915.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034915.D (-26) (-)



#3

Chloromethane

Concen: 199.013 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034915.D

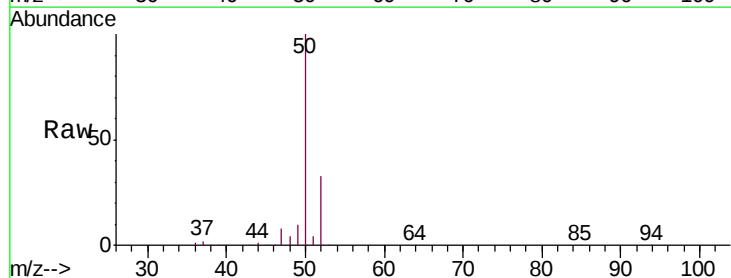
Acq: 03 Oct 2019 13:09

Tgt Ion: 50 Resp: 843574

Ion Ratio Lower Upper

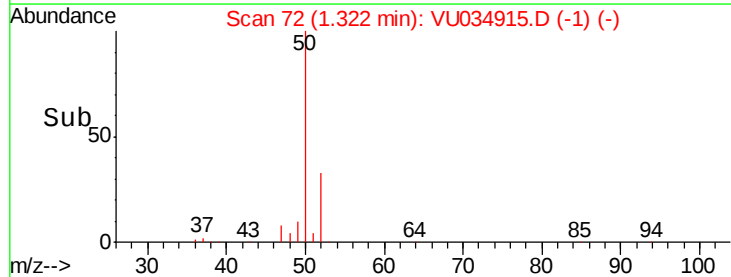
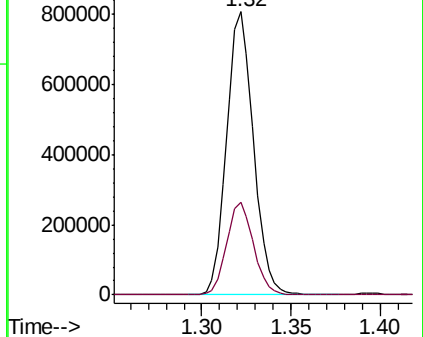
50 100

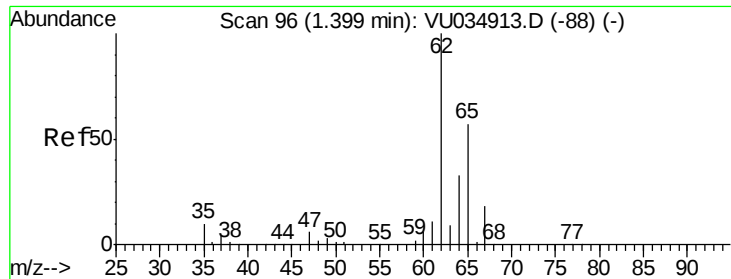
52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU034915.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034915.D (-1) (-)





#5

Vinyl chloride

Concen: 170.690 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

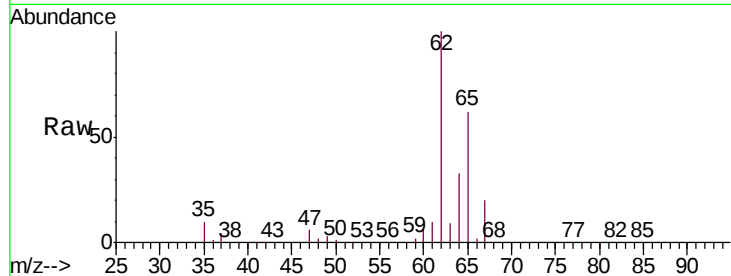
VSTD20031

Tgt Ion: 62 Resp: 807685

Ion Ratio Lower Upper

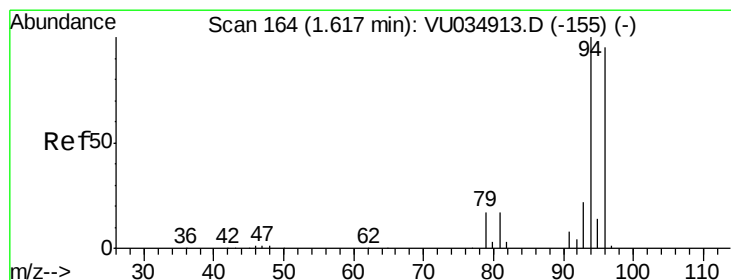
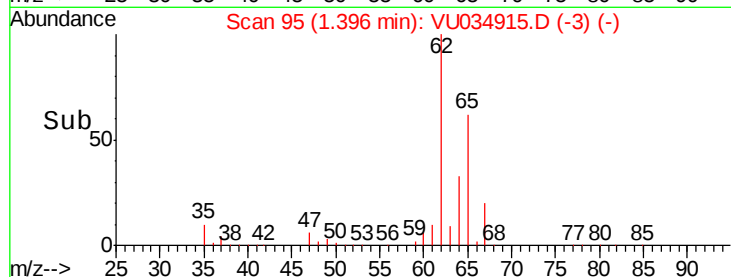
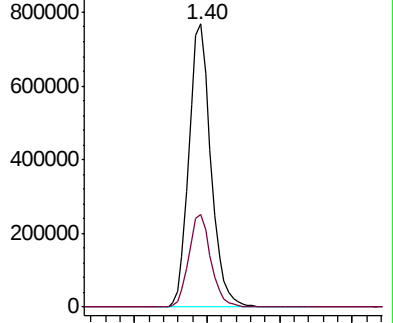
62 100

64 32.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU034915.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034915.D (-88) (-)



#6

Bromomethane

Concen: 166.185 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU034915.D

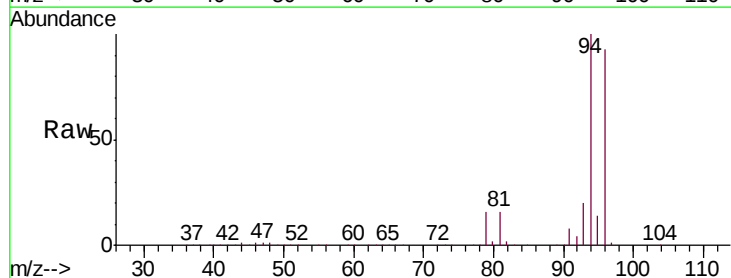
Acq: 03 Oct 2019 13:09

Tgt Ion: 94 Resp: 489845

Ion Ratio Lower Upper

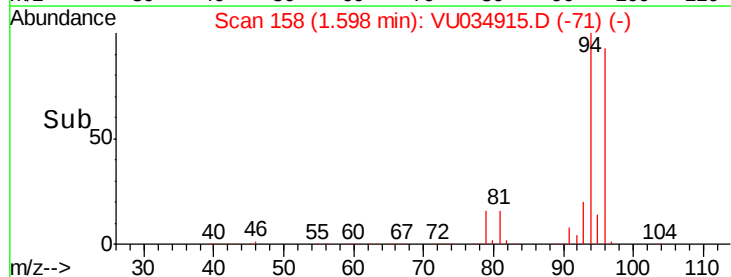
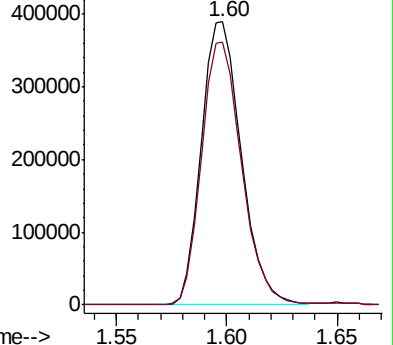
94 100

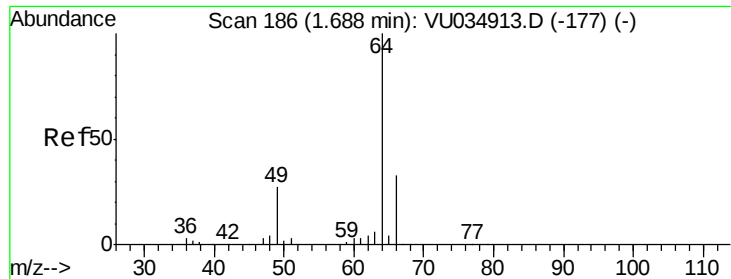
96 93.0 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VU034915.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034915.D (-155) (-)





#8

Chloroethane

Concen: 160.535 ug/L

RT: 1.68 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

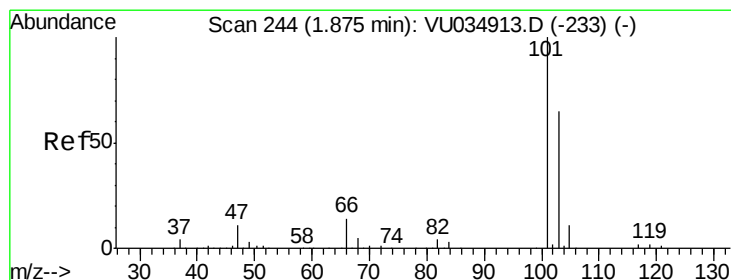
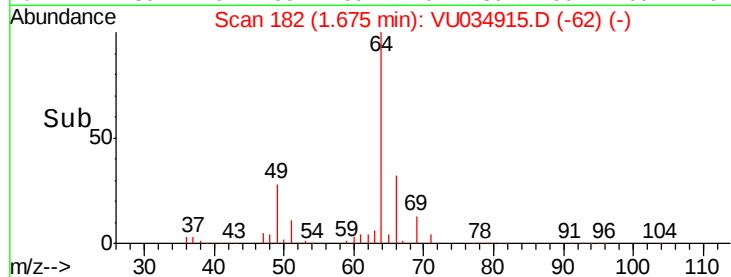
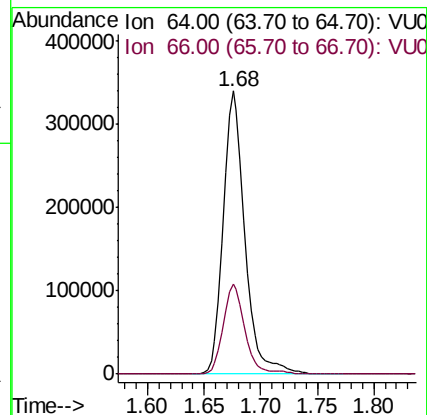
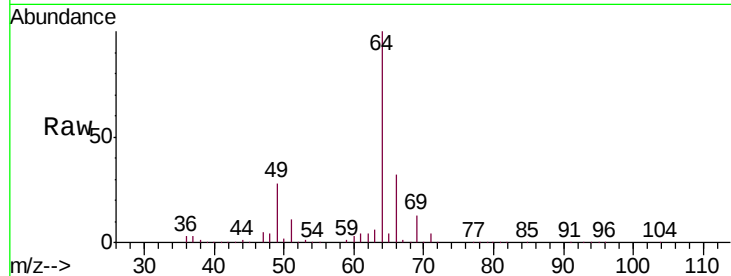
VSTD20031

Tgt Ion: 64 Resp: 454021

Ion Ratio Lower Upper

64 100

66 31.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 152.865 ug/L

RT: 1.87 min Scan# 242

Delta R.T. -0.01 min

Lab File: VU034915.D

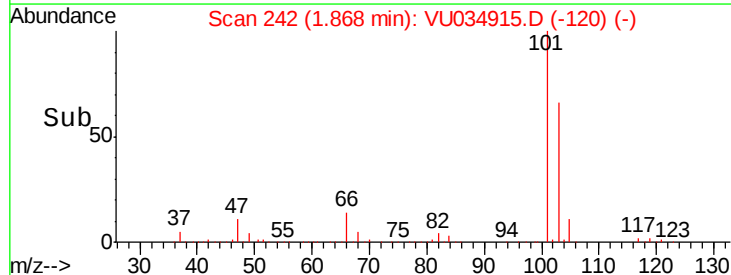
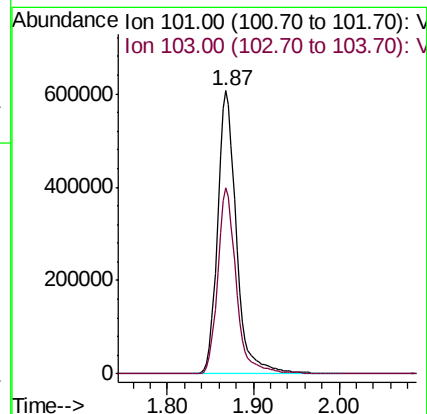
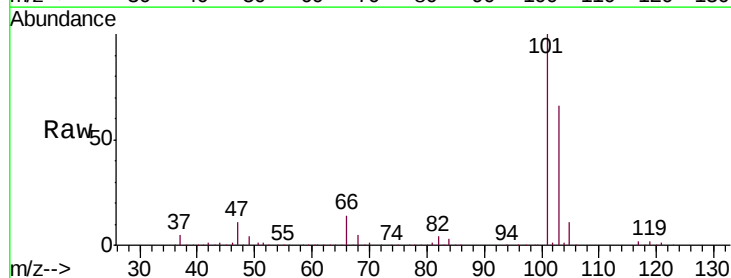
Acq: 03 Oct 2019 13:09

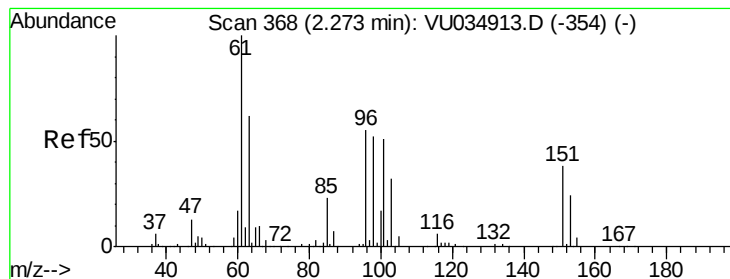
Tgt Ion: 101 Resp: 930574

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.6





#10

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

Concen: 182.570 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

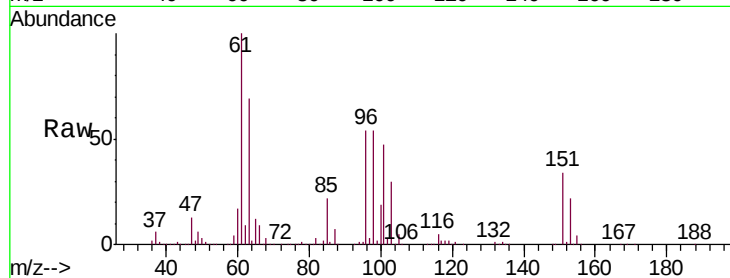
Tgt Ion: 101 Resp: 525013

Ion Ratio Lower Upper

101 100

85 45.0 35.9 53.9

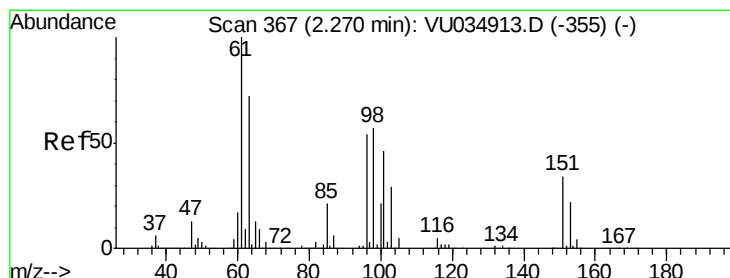
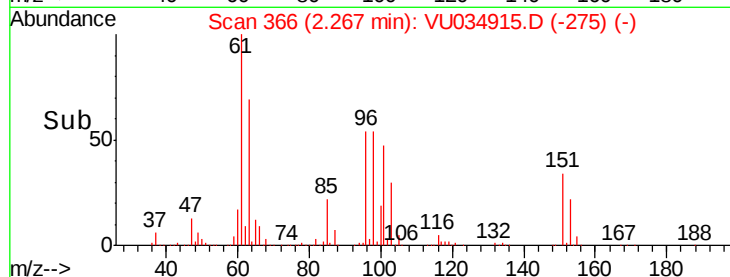
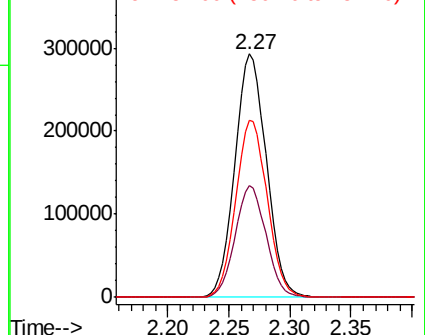
151 72.6 59.0 88.4



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: 184.255 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

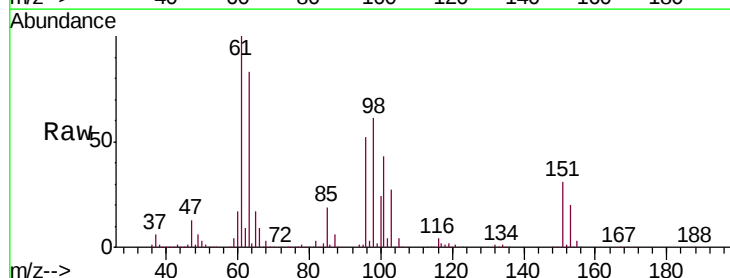
Tgt Ion: 96 Resp: 519137

Ion Ratio Lower Upper

96 100

61 193.1 131.2 243.6

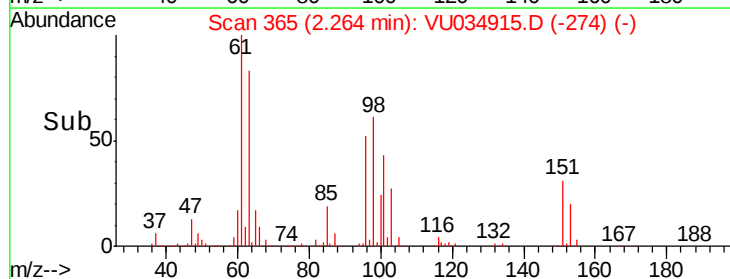
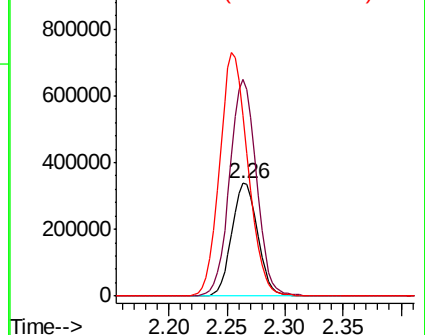
63 160.5 97.6 181.2

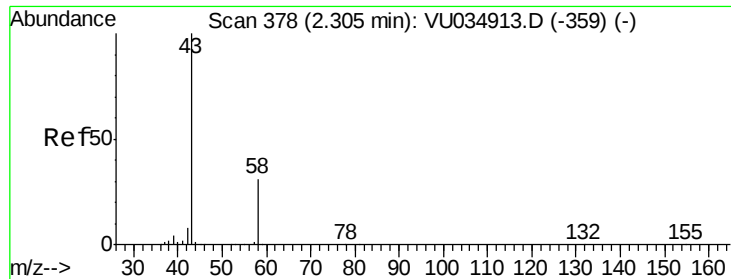


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 381.437 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

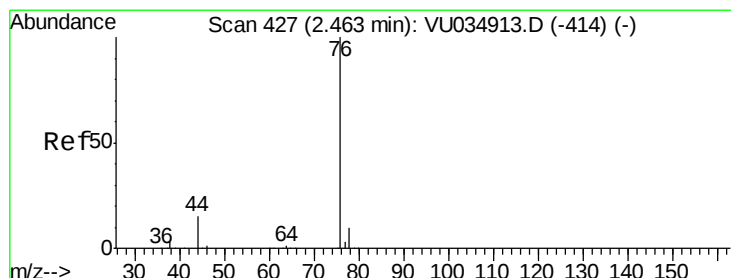
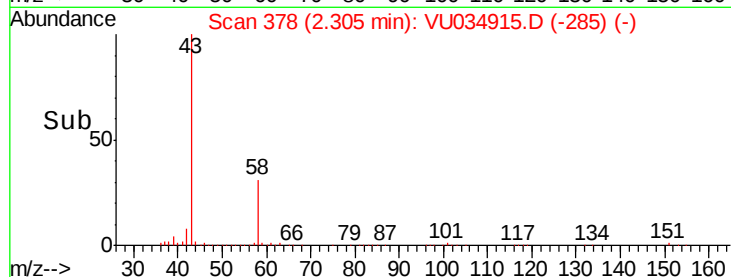
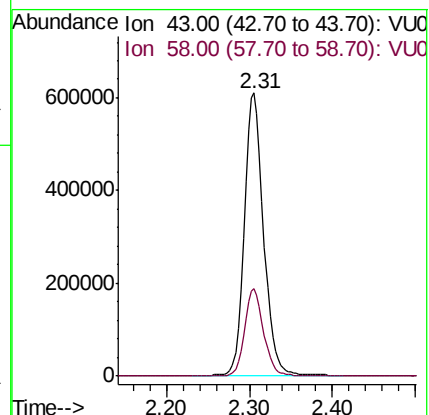
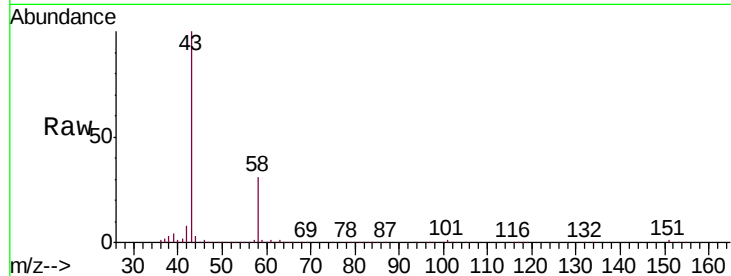
VSTD20031

Tgt Ion: 43 Resp: 998395

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.4



#14

Carbon disulfide

Concen: 195.494 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VU034915.D

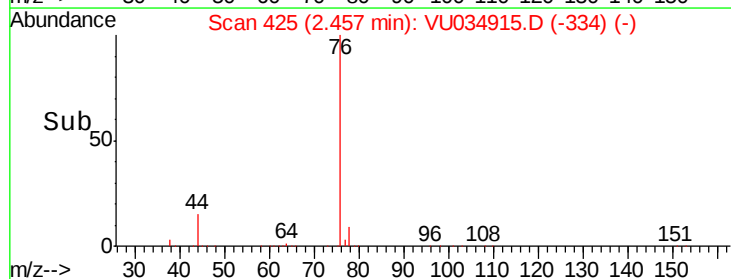
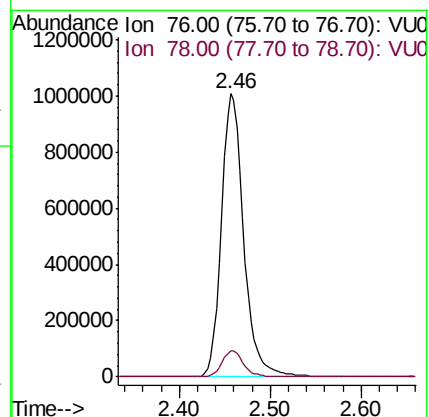
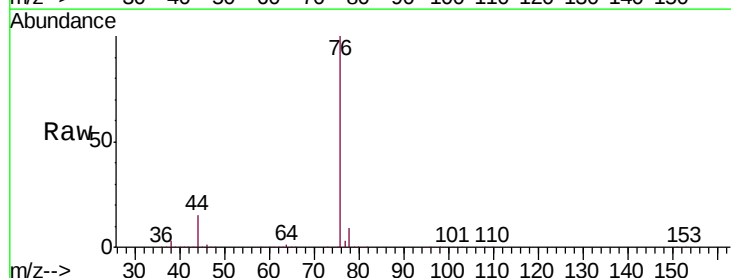
Acq: 03 Oct 2019 13:09

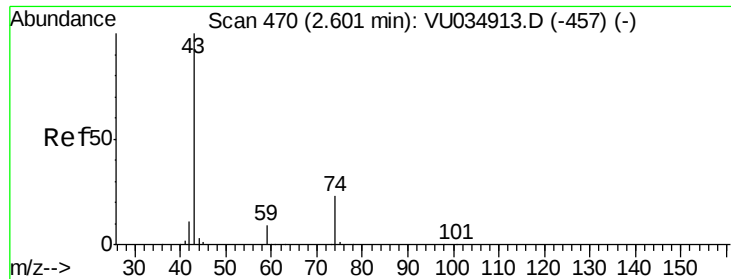
Tgt Ion: 76 Resp: 1714779

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

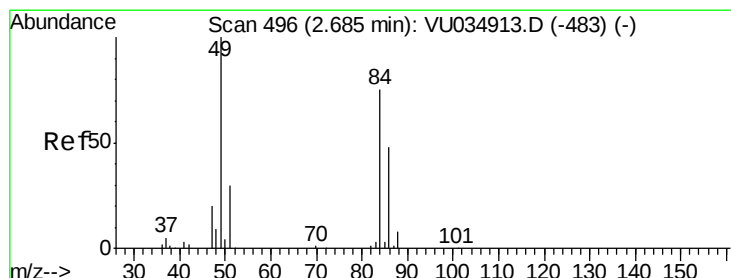
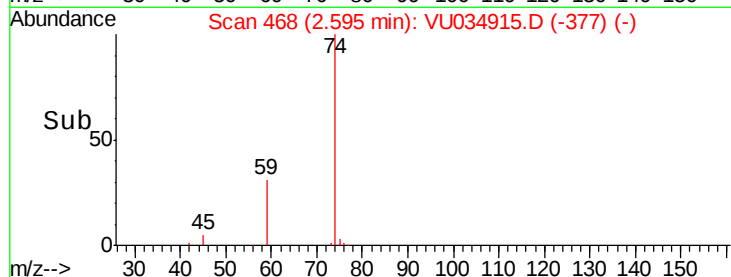
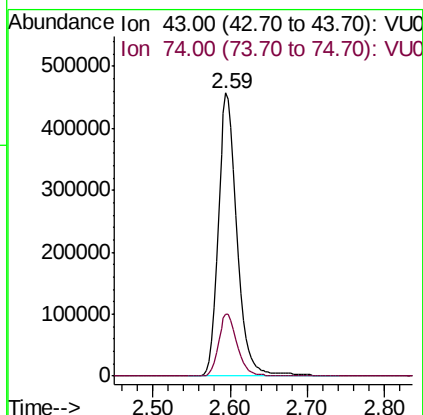
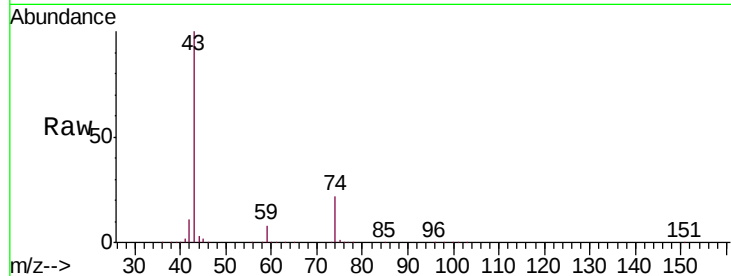




#15
Methyl Acetate
Concen: 221.520 ug/L
RT: 2.59 min Scan# 468
Delta R.T. -0.01 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

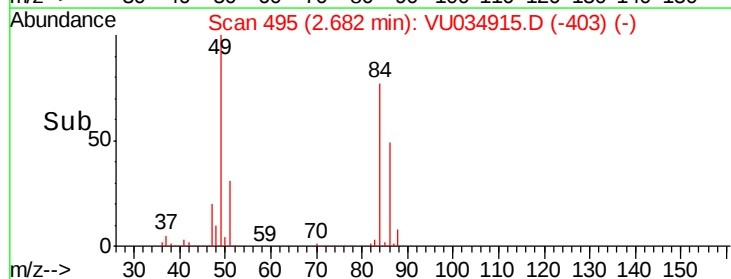
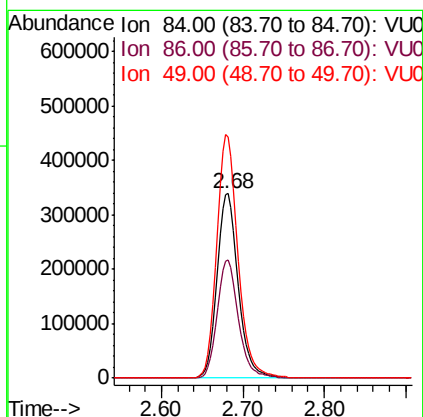
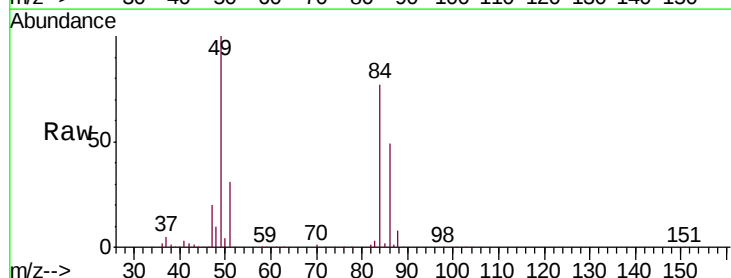
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

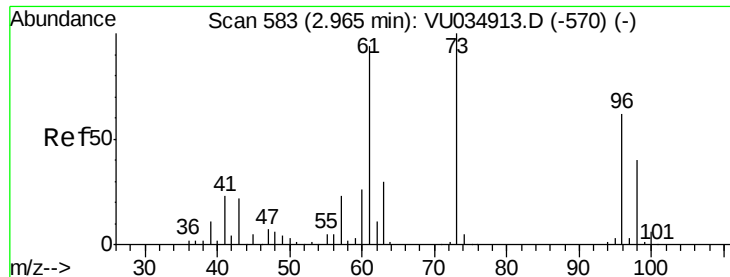
Tgt Ion: 43 Resp: 774514
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 190.789 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 84 Resp: 627920
Ion Ratio Lower Upper
84 100
86 63.9 44.9 83.5
49 130.7 93.2 173.2





#17

trans-1,2-Dichloroethene

Concen: 193.964 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.01 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

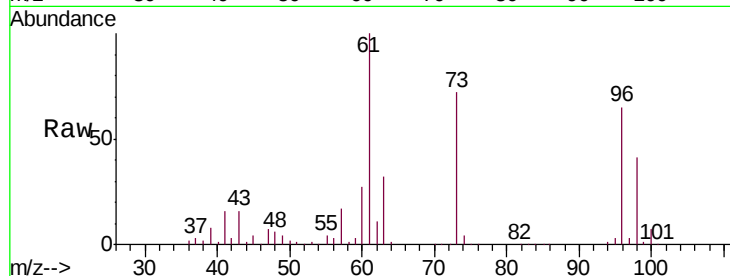
Tgt Ion: 96 Resp: 576326

Ion Ratio Lower Upper

96 100

61 154.4 107.0 198.6

98 63.7 45.1 83.7

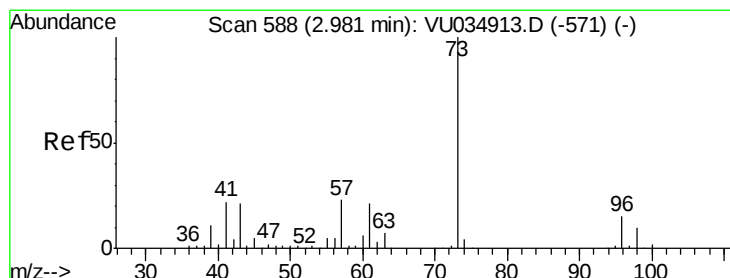
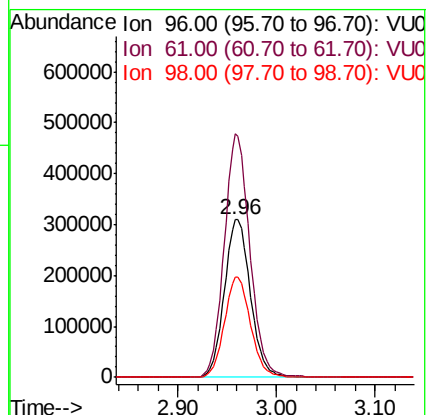
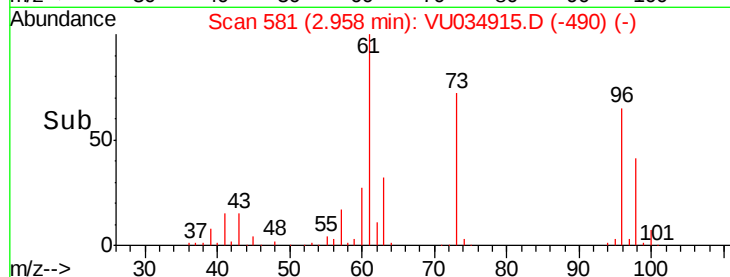


Abundance Ion 96.00 (95.70 to 96.70): VU034913.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU034913.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU034913.D (-570) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 206.870 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

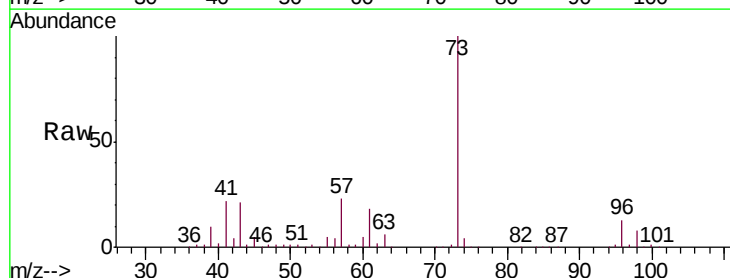
Tgt Ion: 73 Resp: 1925266

Ion Ratio Lower Upper

73 100

43 21.1 16.8 25.2

57 22.9 18.2 27.2

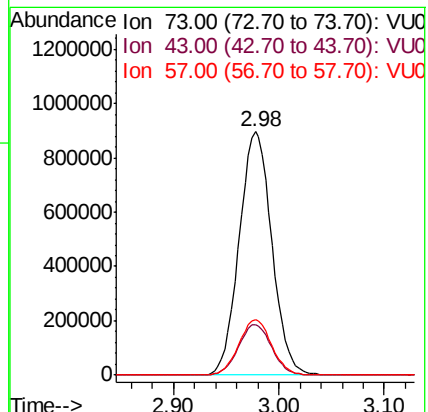
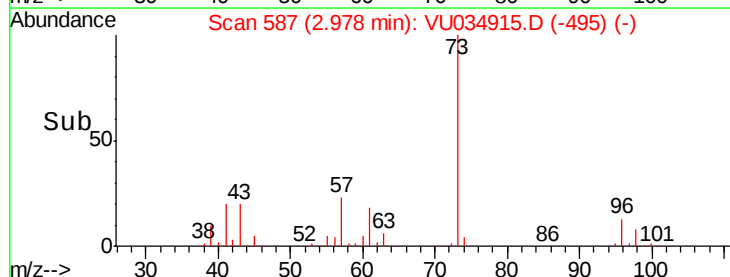


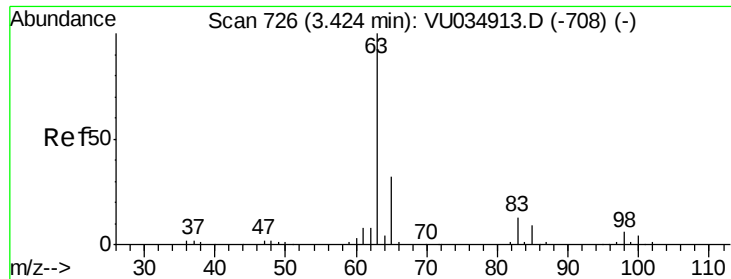
Abundance Ion 73.00 (72.70 to 73.70): VU034913.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU034913.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU034913.D (-571) (-)

Time-->

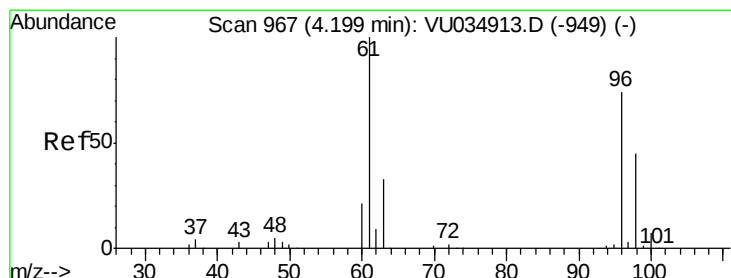
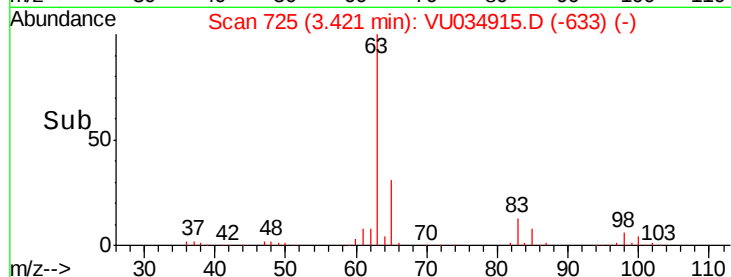
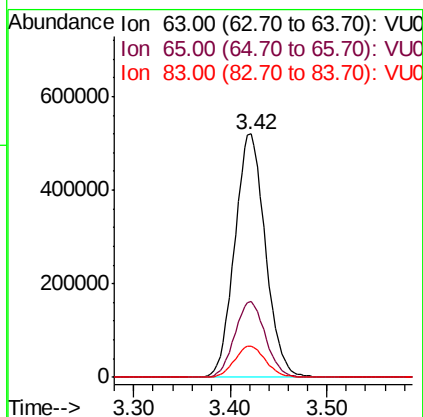
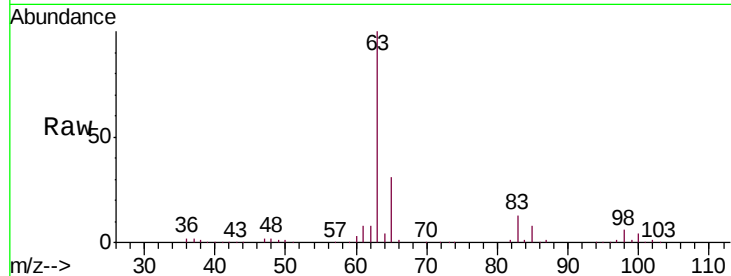




#19
 1,1-Dichloroethane
 Concen: 198.420 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

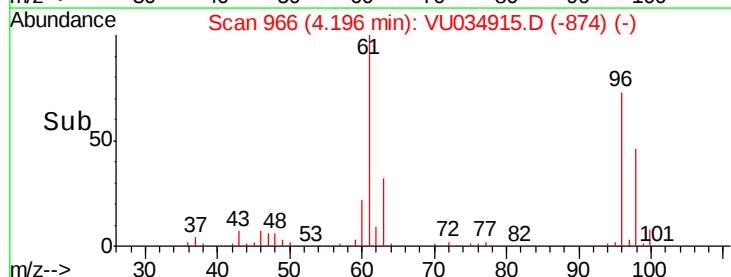
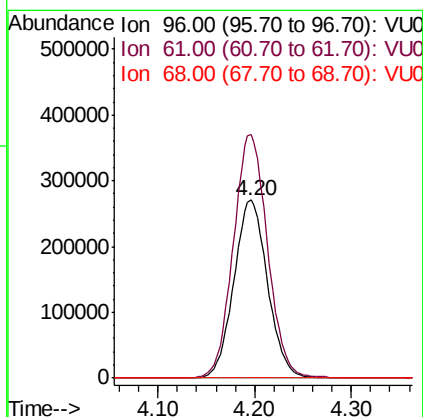
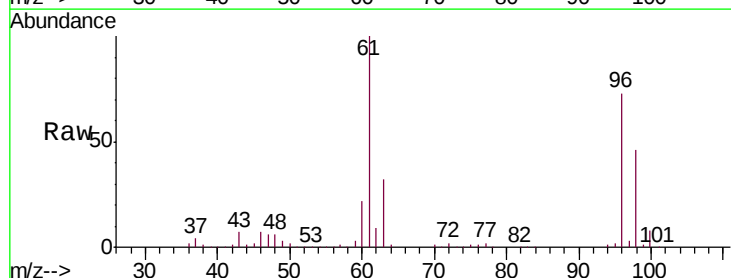
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

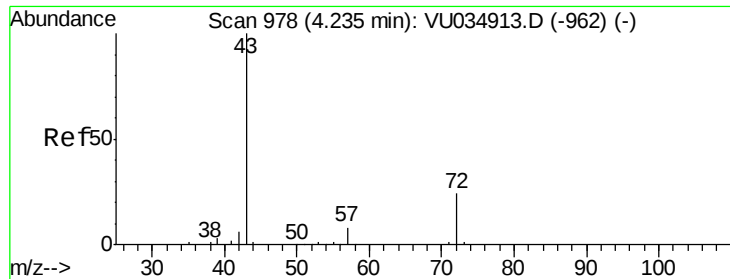
Tgt Ion: 63 Resp: 1143536
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.4 41.6
 83 13.0 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 196.251 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 96 Resp: 657458
 Ion Ratio Lower Upper
 96 100
 61 136.6 95.2 176.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 439.769 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

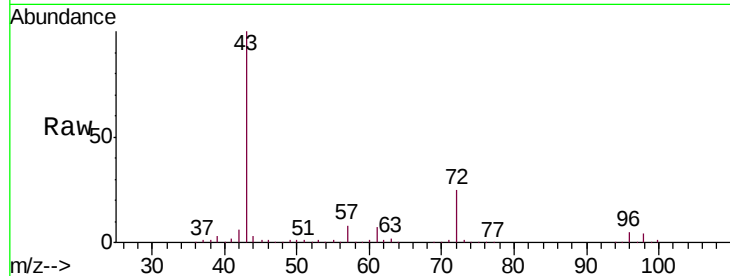
VSTD20031

Tgt Ion: 43 Resp: 1290969

Ion Ratio Lower Upper

43 100

72 26.2 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034915.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034915.D (-962) (-)

4.23

500000

400000

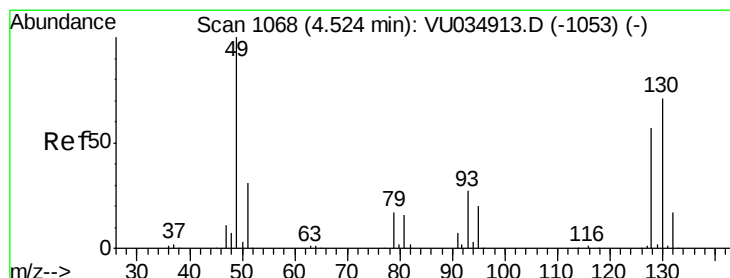
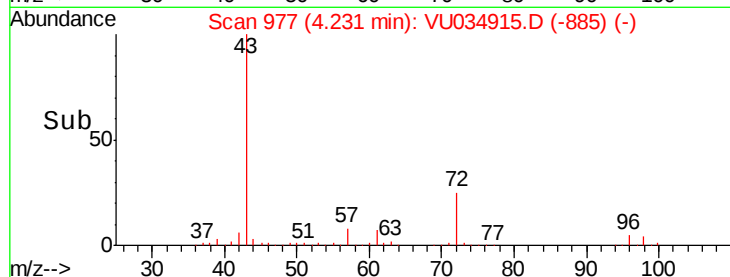
300000

200000

100000

0

Time--> 4.10 4.20 4.30 4.40



#23

Bromochloromethane

Concen: 190.305 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Tgt Ion: 128 Resp: 325353

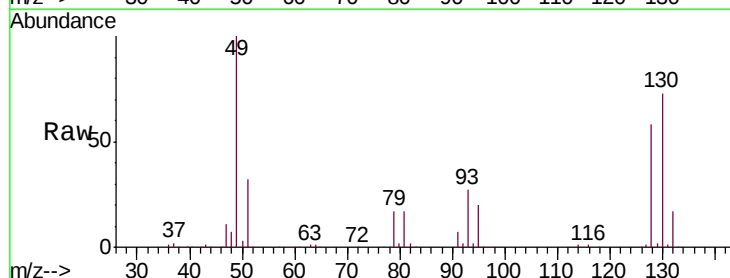
Ion Ratio Lower Upper

128 100

49 172.5 123.5 229.3

130 126.5 87.0 161.6

51 55.9 43.7 65.5



Abundance Ion 128.00 (127.70 to 128.70): VU034915.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034915.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034915.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034915.D (-1053) (-)

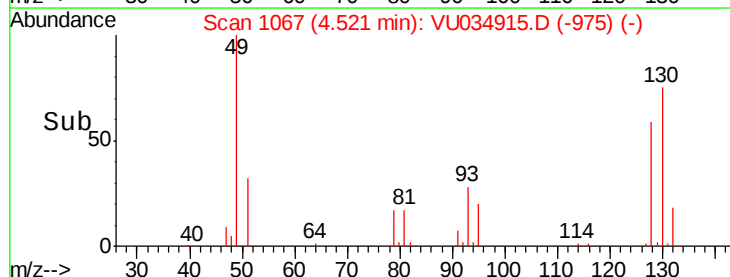
300000

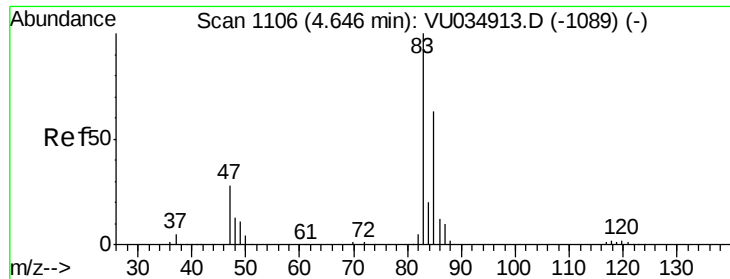
200000

100000

0

Time--> 4.40 4.50 4.60

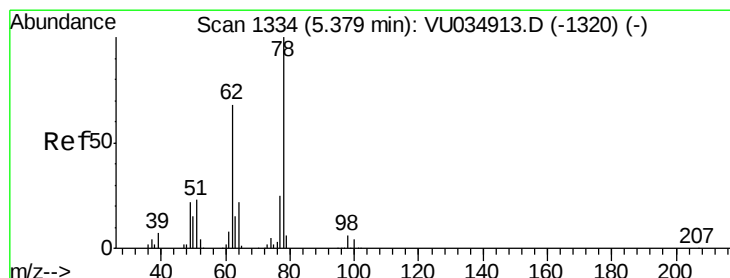
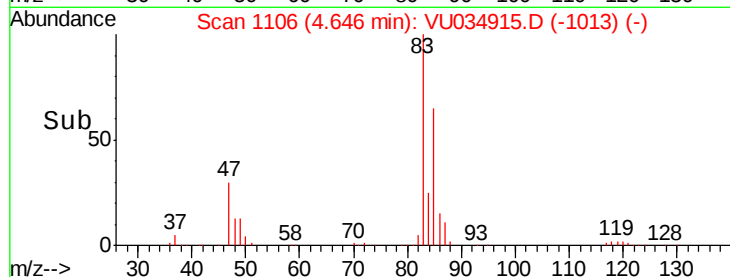
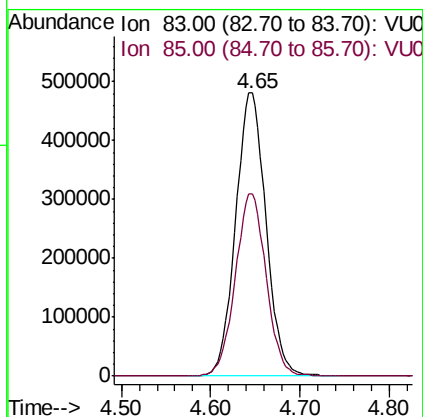
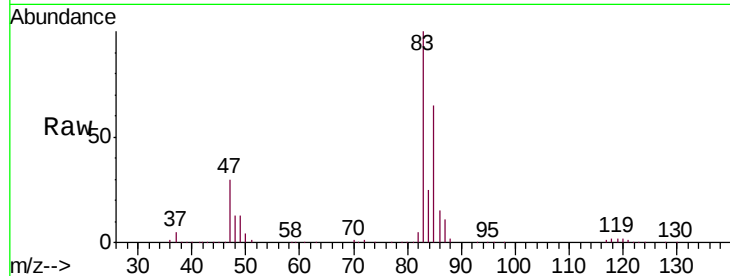




#25
Chloroform
Concen: 186.676 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

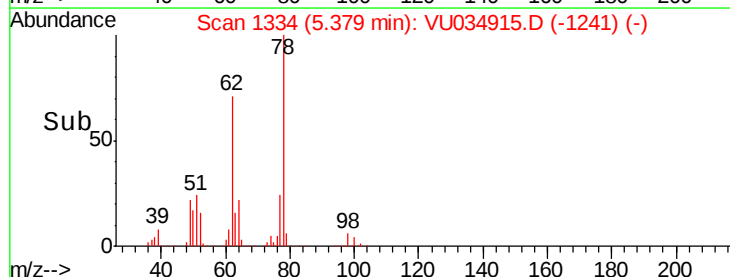
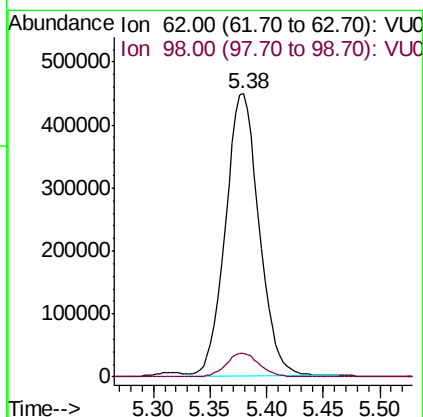
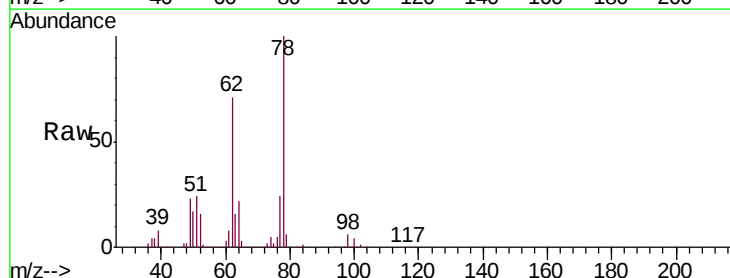
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

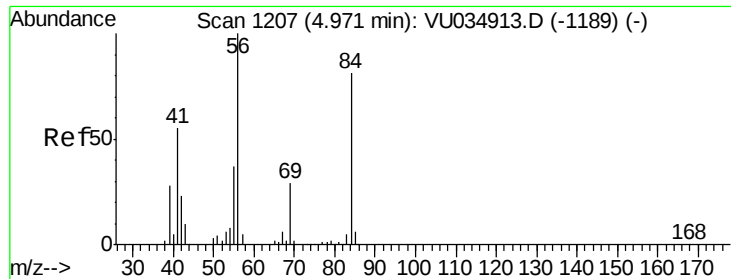
Tgt Ion: 83 Resp: 1137029
Ion Ratio Lower Upper
83 100
85 64.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 196.659 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 62 Resp: 931295
Ion Ratio Lower Upper
62 100
98 8.4 6.9 10.3

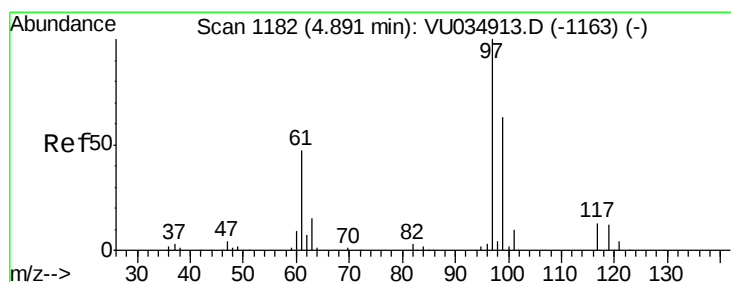
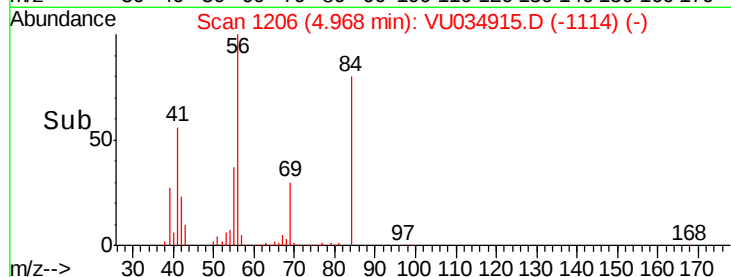
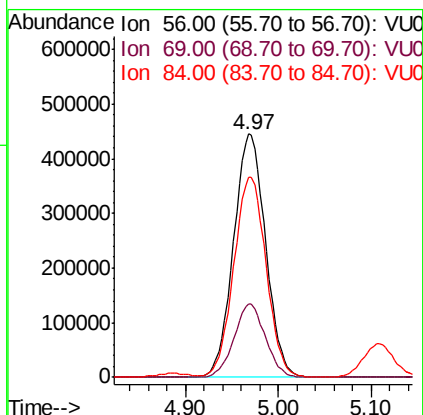
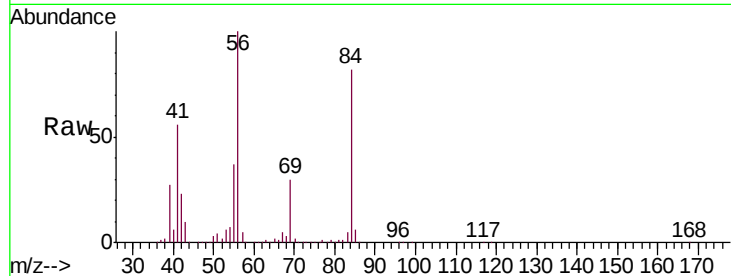




#29
Cyclohexane
Concen: 219.086 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

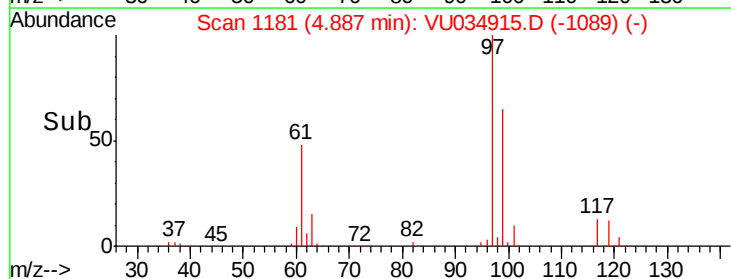
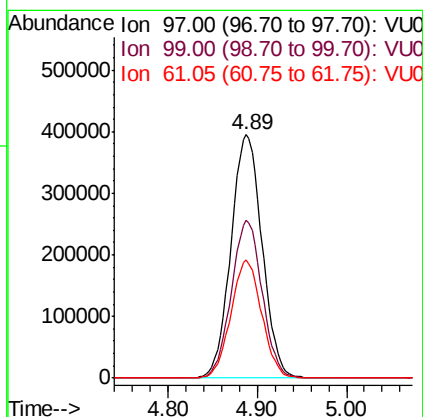
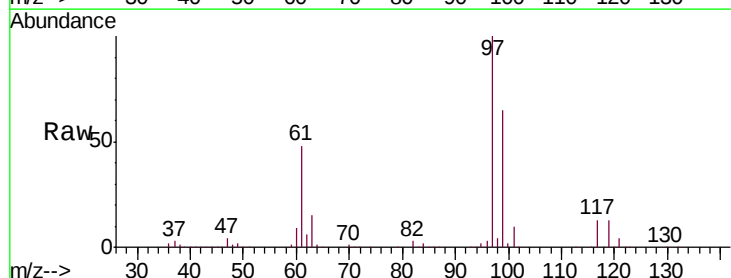
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

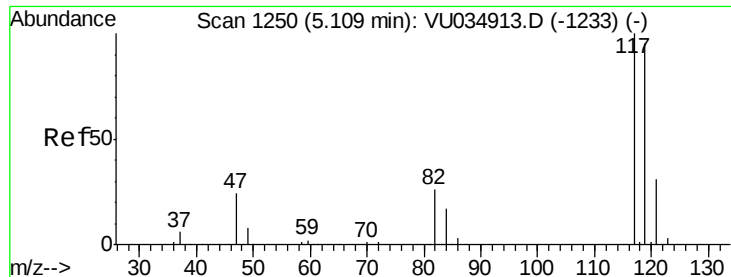
Tgt Ion: 56 Resp: 1067184
Ion Ratio Lower Upper
56 100
69 29.4 23.8 35.6
84 82.7 65.4 98.2



#30
1,1,1-Trichloroethane
Concen: 188.129 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 97 Resp: 954059
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 47.7 38.7 58.1



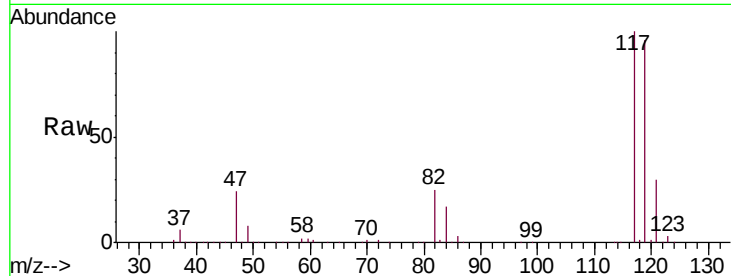


#31

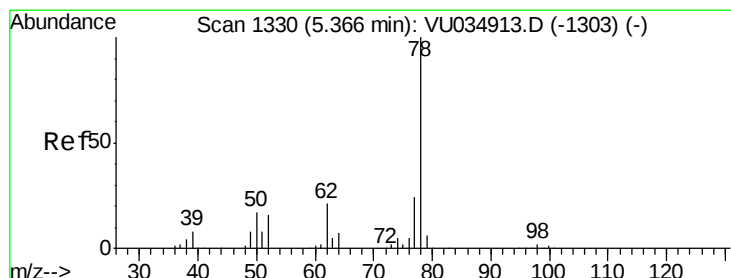
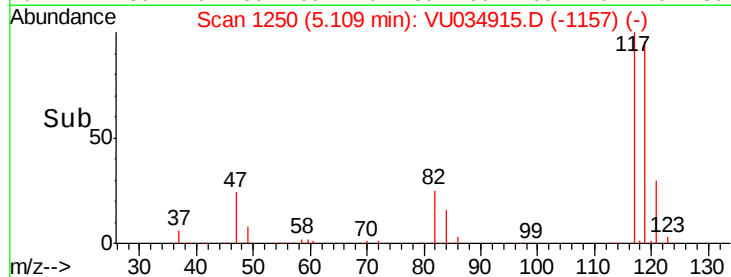
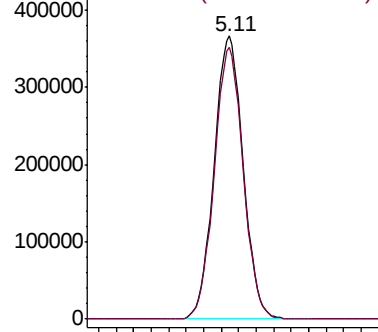
Carbon tetrachloride
Concen: 190.305 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Tgt Ion:117 Resp: 841865
Ion Ratio Lower Upper
117 100
119 95.7 77.5 116.3



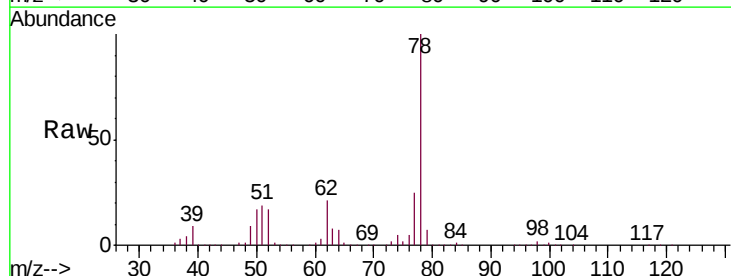
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



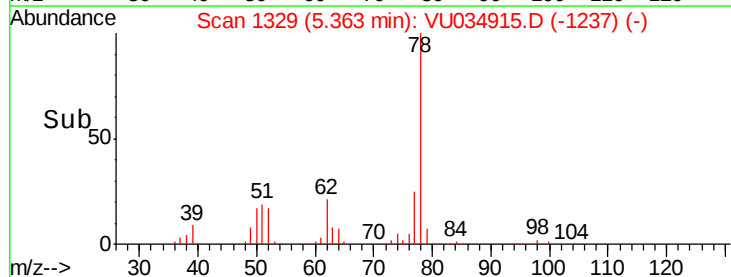
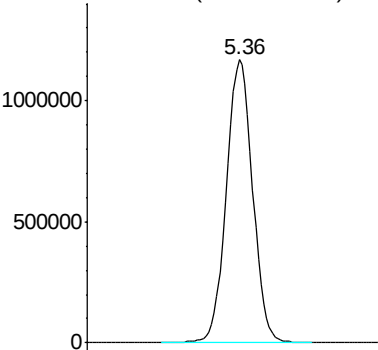
#33

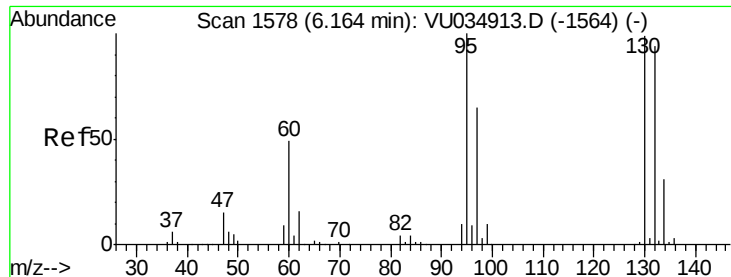
Benzene
Concen: 194.335 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 78 Resp: 2495465



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 192.743 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

Tgt Ion: 95 Resp: 643756

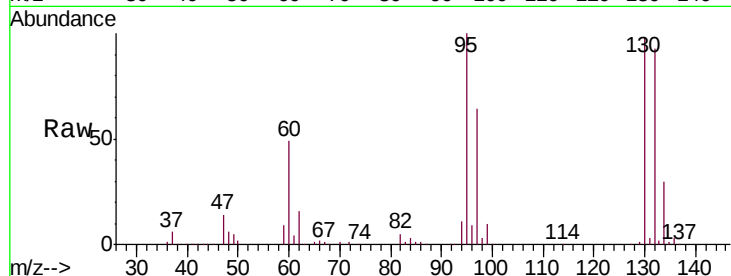
Ion Ratio Lower Upper

95 100

97 63.5 45.1 83.9

132 93.4 65.9 122.5

130 98.2 69.0 128.2



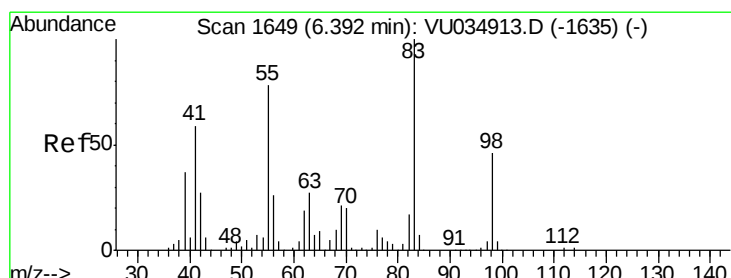
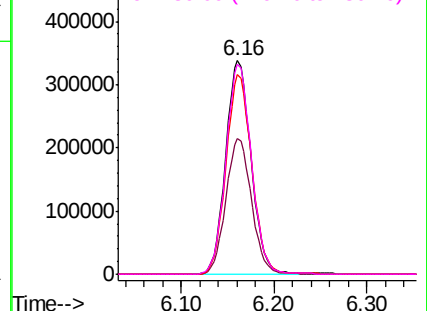
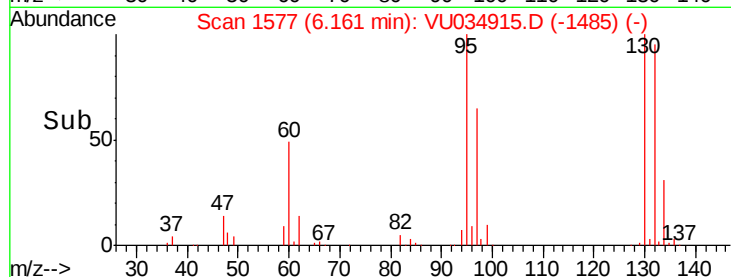
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 206.517 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

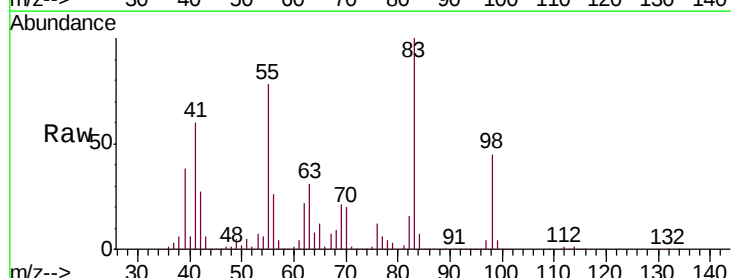
Tgt Ion: 83 Resp: 1061395

Ion Ratio Lower Upper

83 100

55 78.0 62.1 93.1

98 45.1 36.4 54.6

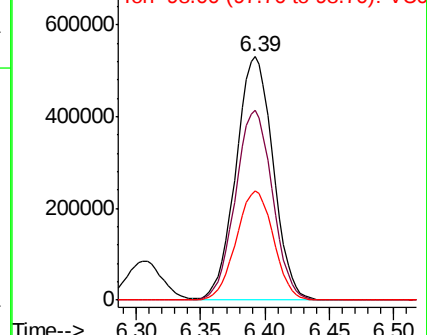
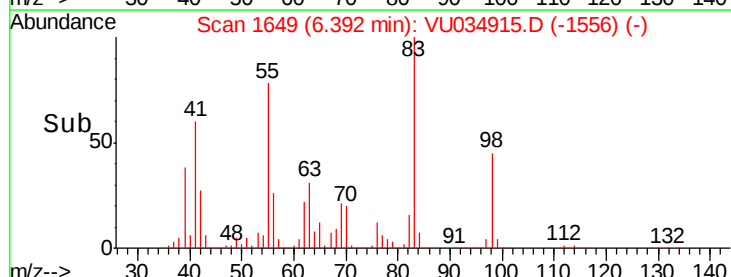


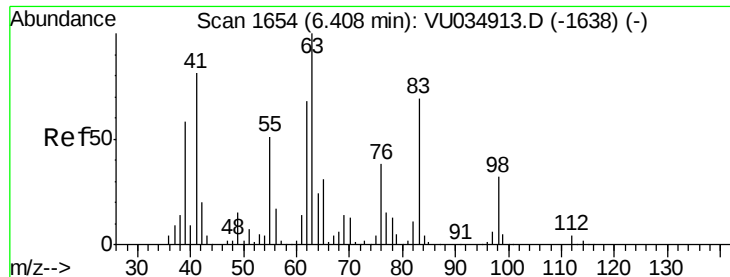
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

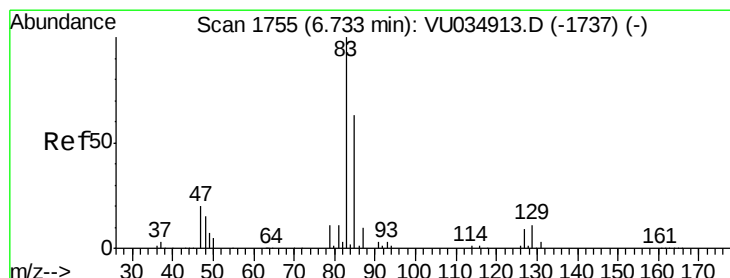
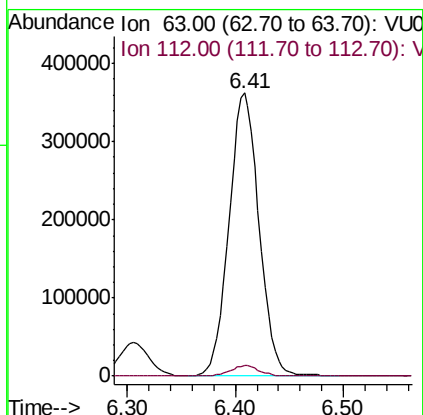
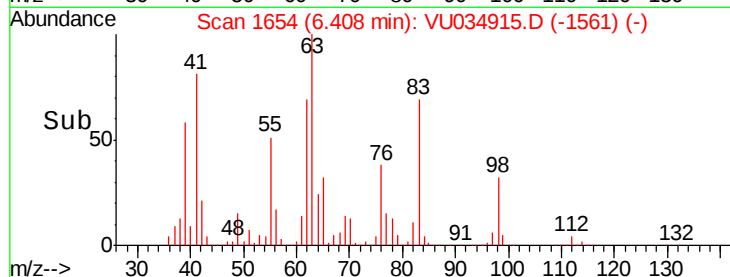
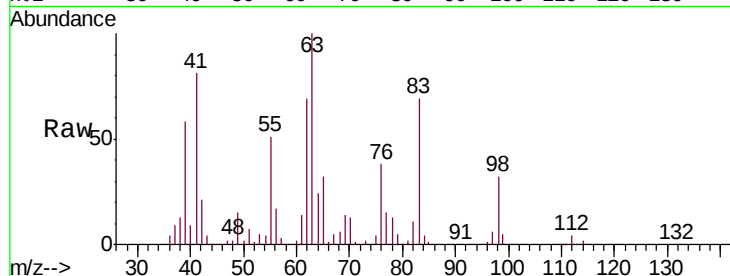




#37
 1,2-Dichloropropane
 Concen: 200.562 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

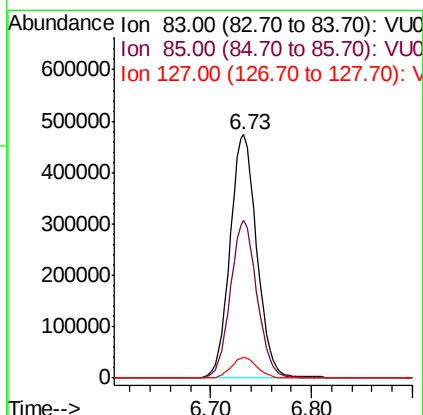
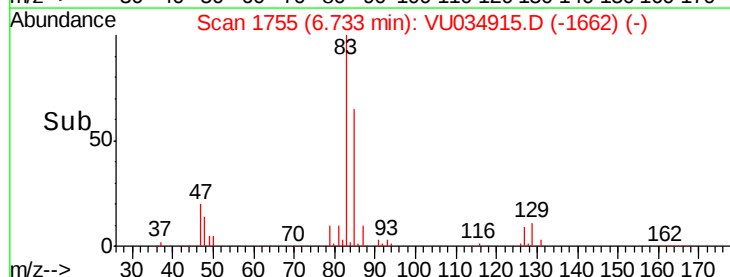
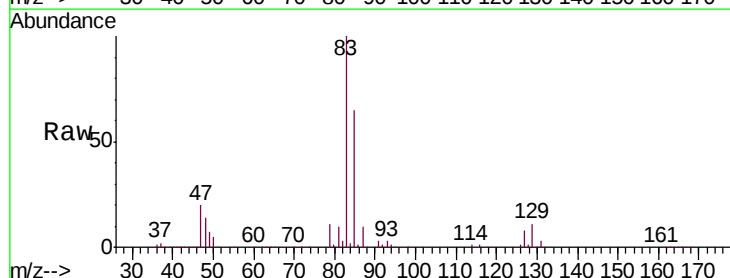
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

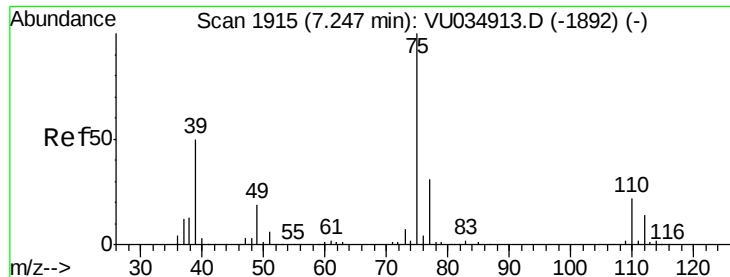
Tgt Ion: 63 Resp: 700471
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 197.256 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 83 Resp: 875199
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.3 82.3
 127 8.5 7.0 10.4

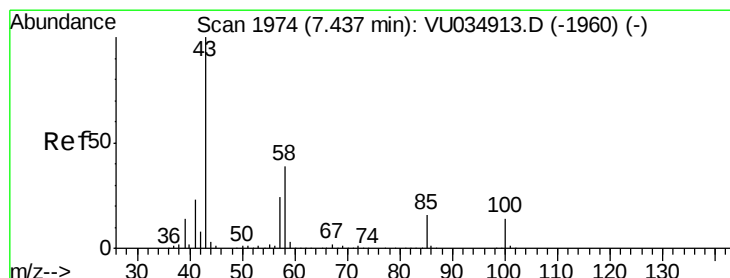
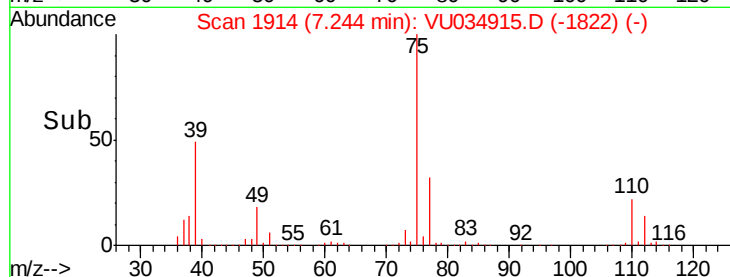
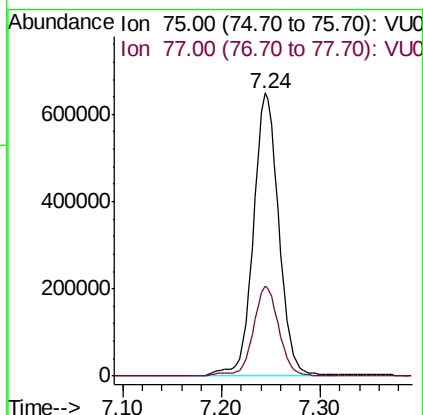
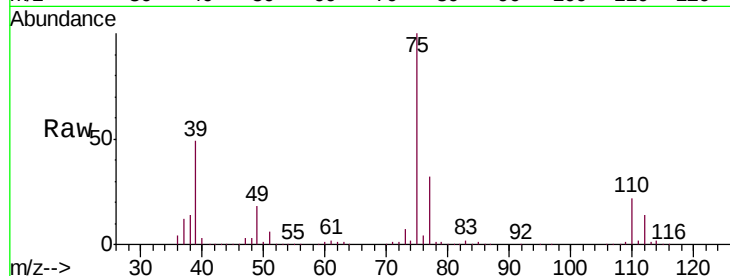




#39
 cis-1,3-Dichloropropene
 Concen: 214.007 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

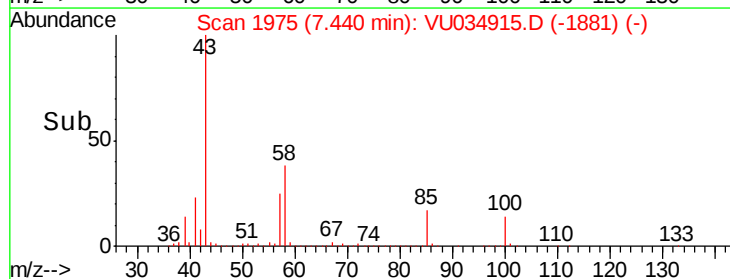
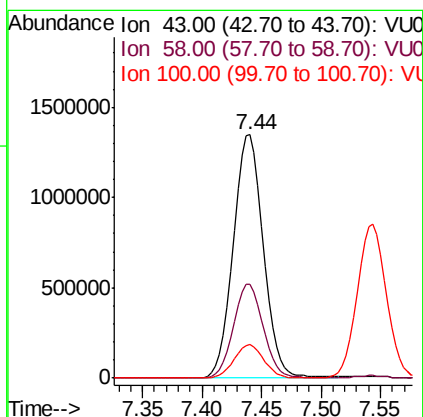
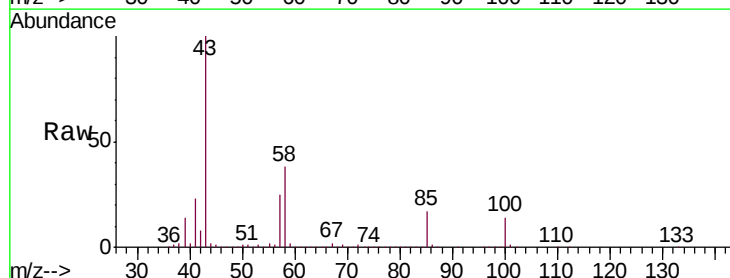
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

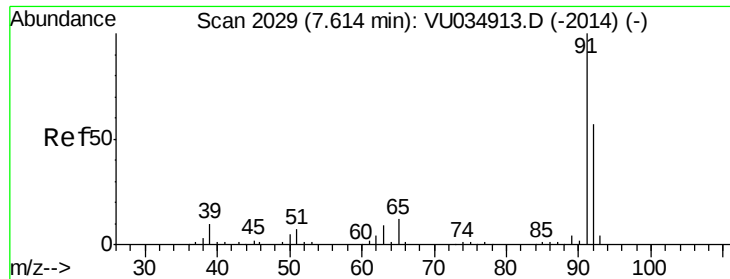
Tgt Ion: 75 Resp: 1154673
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 488.093 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 43 Resp: 2359943
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.7 46.1
 100 13.7 10.9 16.3





#42

Toluene

Concen: 200.977 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

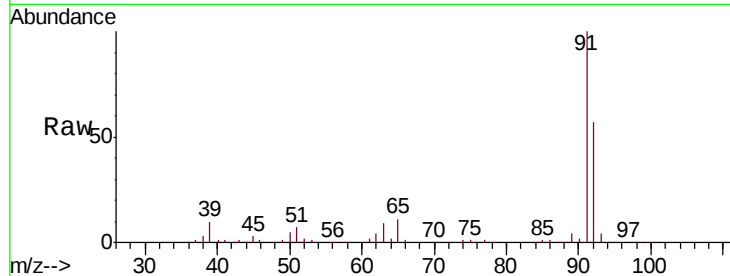
VSTD20031

Tgt Ion: 91 Resp: 2768042

Ion Ratio Lower Upper

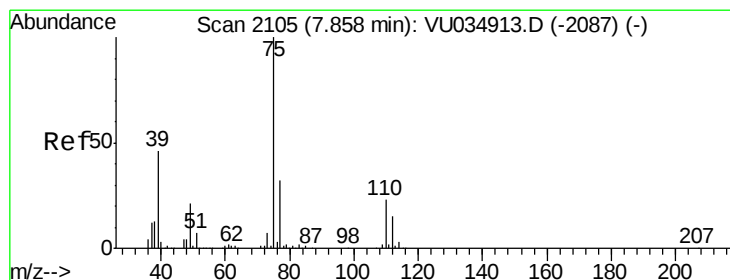
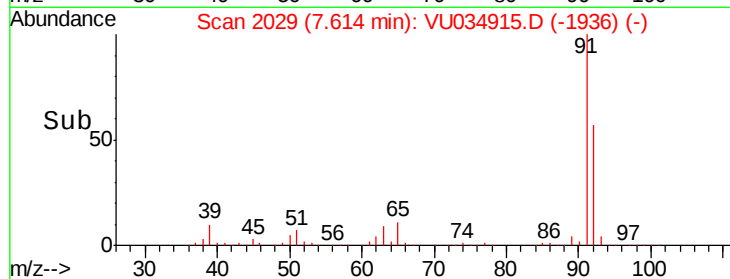
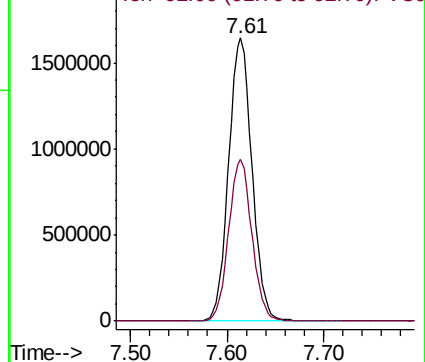
91 100

92 57.3 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU034915.D (-2014) (-)

Ion 92.00 (91.70 to 92.70): VU034915.D (-2014) (-)



#44

trans-1,3-Dichloropropene

Concen: 217.793 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VU034915.D

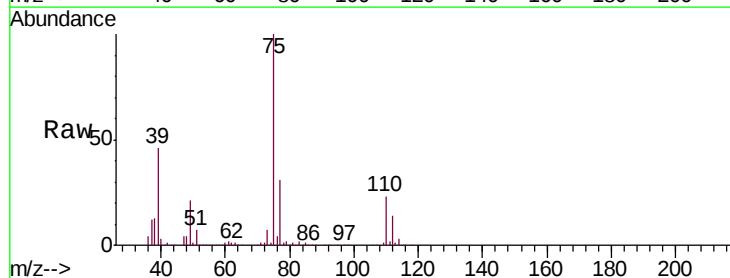
Acq: 03 Oct 2019 13:09

Tgt Ion: 75 Resp: 1044515

Ion Ratio Lower Upper

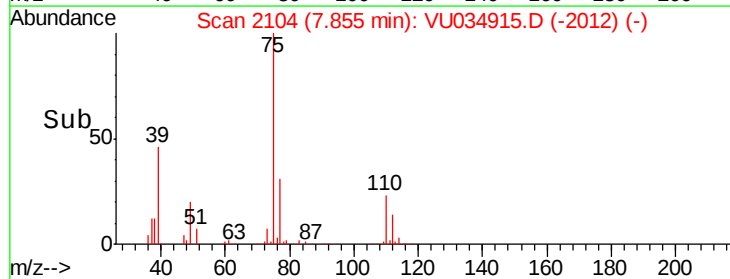
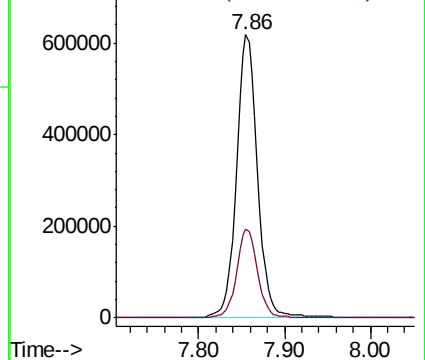
75 100

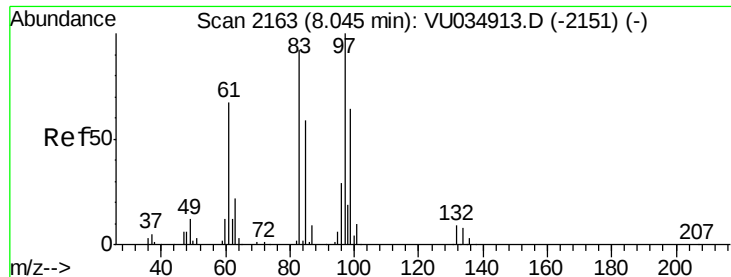
77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU034915.D (-2105) (-)

Ion 77.00 (76.70 to 77.70): VU034915.D (-2105) (-)

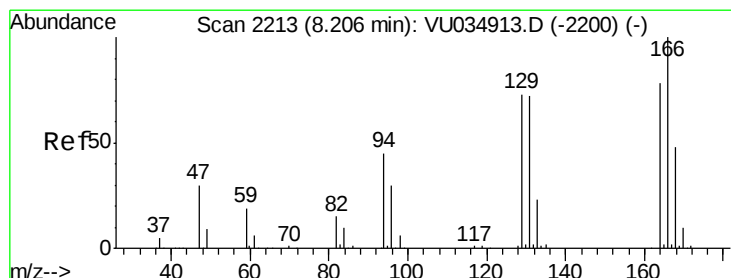
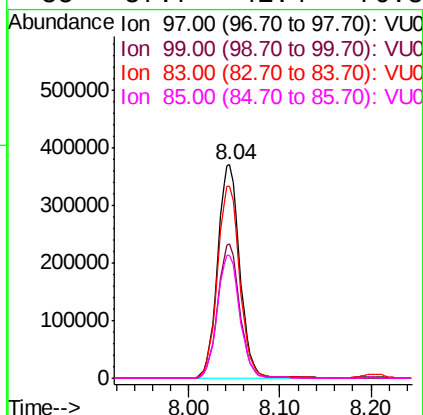
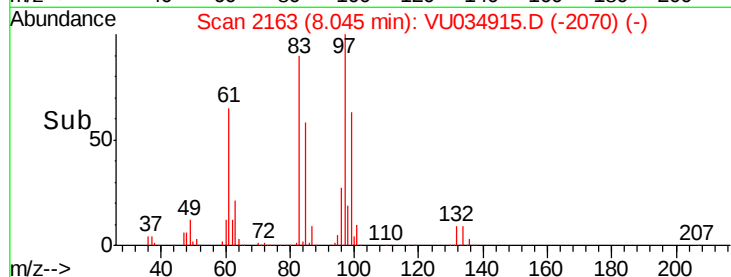
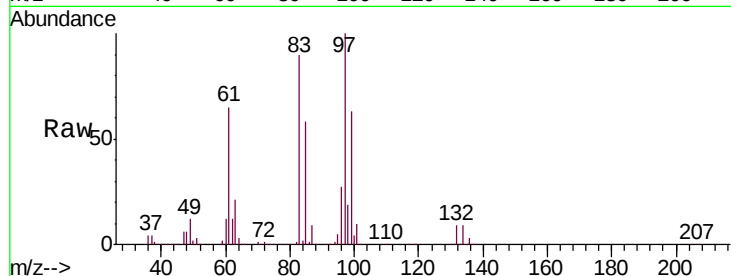




#45
 1,1,2-Trichloroethane
 Concen: 192.870 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

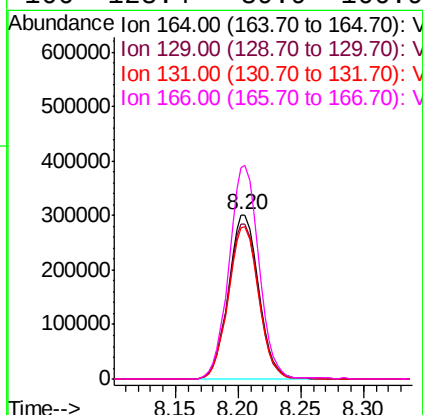
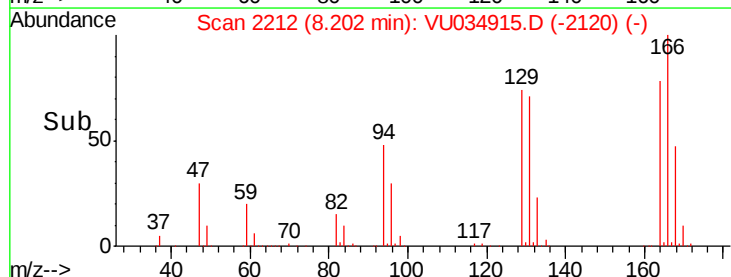
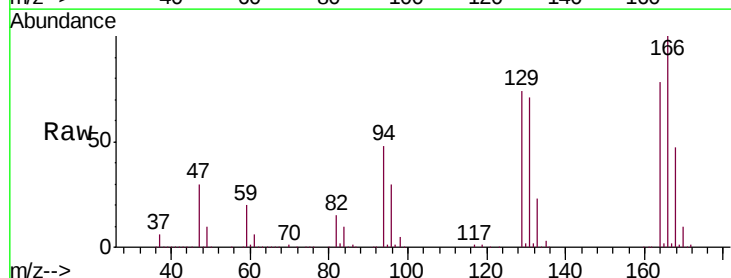
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20031

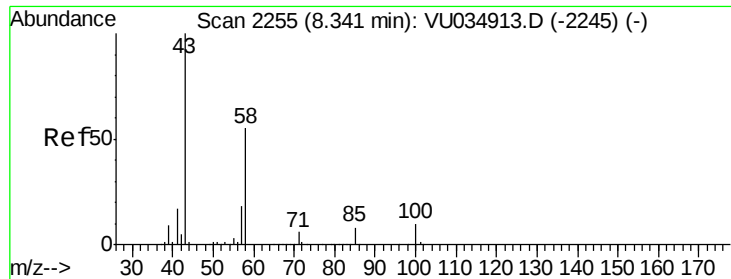
Tgt Ion:	97	Resp:	628408
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.8	83.2
83	90.1	64.4	119.6
85	57.7	41.4	76.8



#46
 Tetrachloroethene
 Concen: 195.692 ug/L
 RT: 8.20 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

Tgt Ion:	164	Resp:	506041
Ion	Ratio	Lower	Upper
164	100		
129	94.5	65.9	122.3
131	91.7	64.9	120.5
166	128.4	89.9	166.9

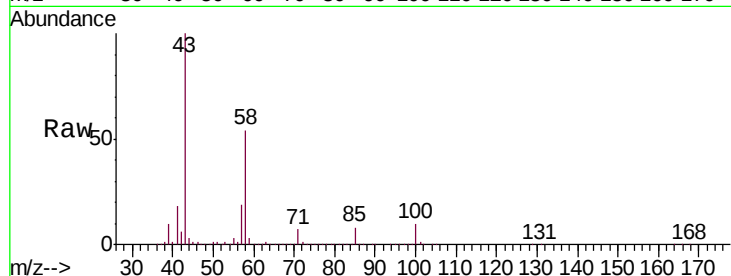




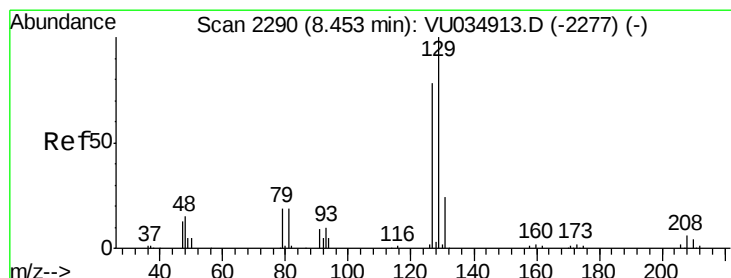
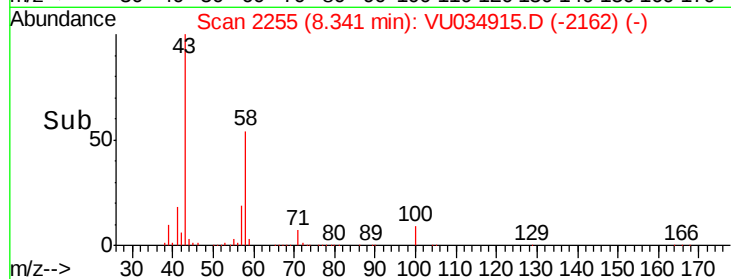
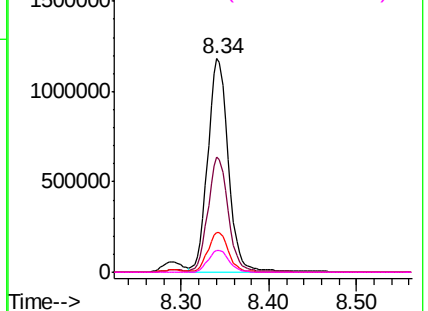
#48
2-Hexanone
Concen: 492.090 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_U
ClientSampled :
VSTD20031

Tgt Ion: 43 Resp: 1928809
Ion Ratio Lower Upper
43 100
58 54.1 40.8 61.2
57 18.8 14.0 21.0
100 10.4 8.0 12.0

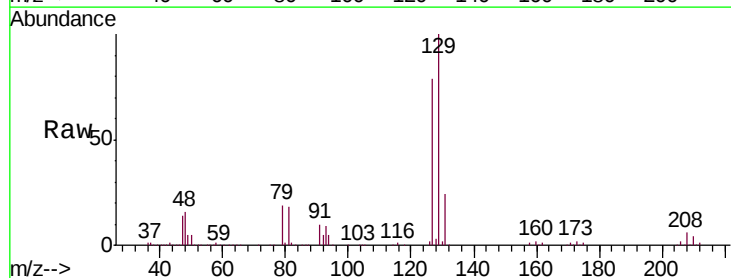


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

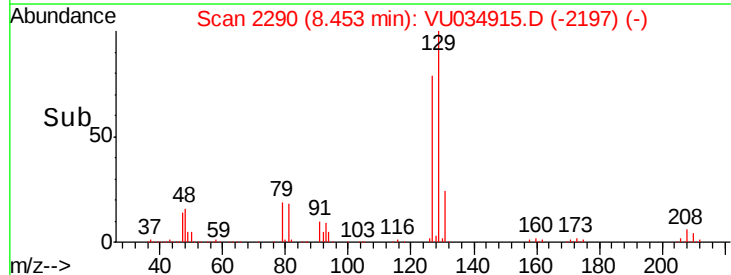
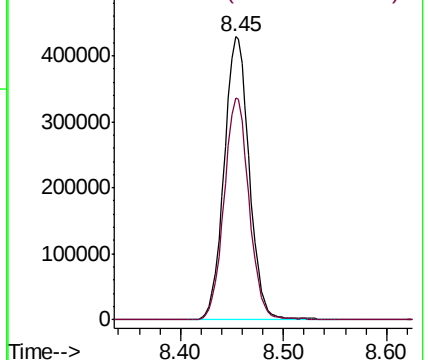


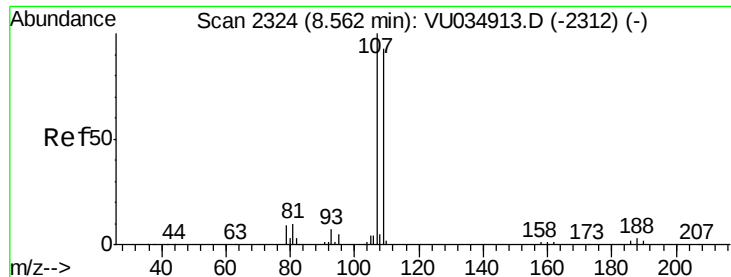
#49
Dibromochloromethane
Concen: 200.845 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 129 Resp: 727431
Ion Ratio Lower Upper
129 100
127 78.6 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

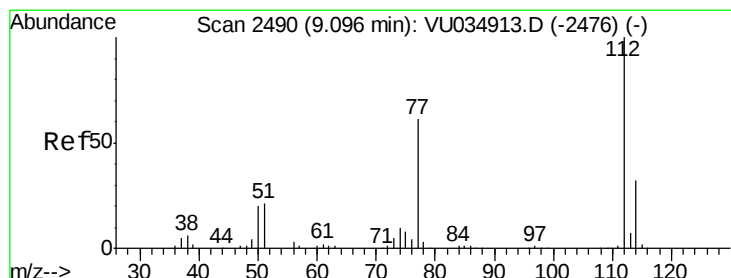
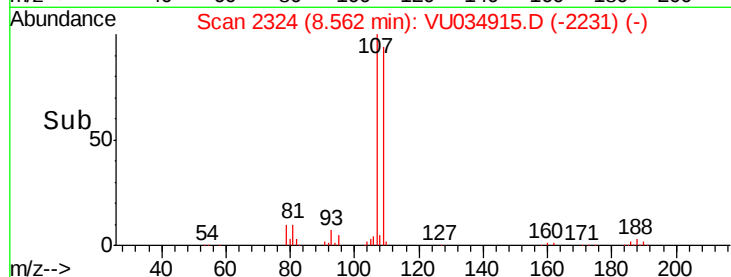
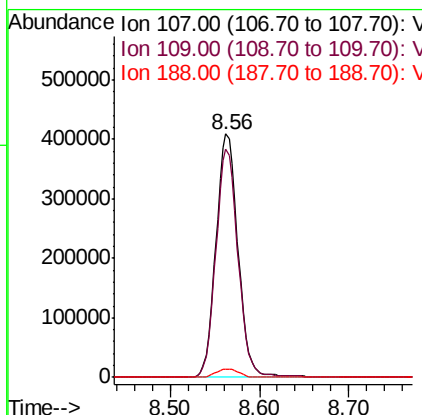
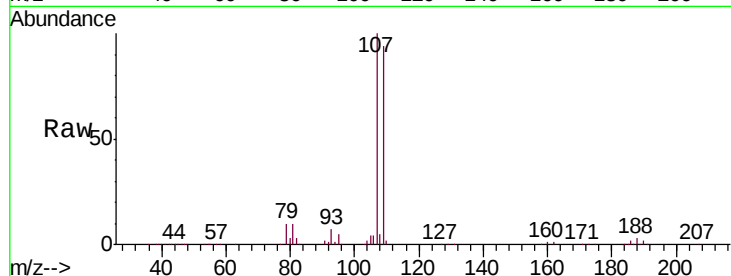




#50
1,2-Dibromoethane
Concen: 198.268 ug/L
RT: 8.56 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

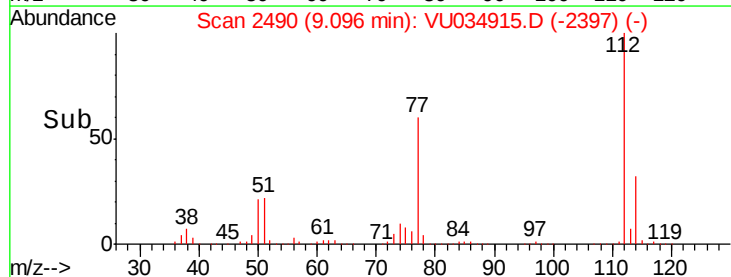
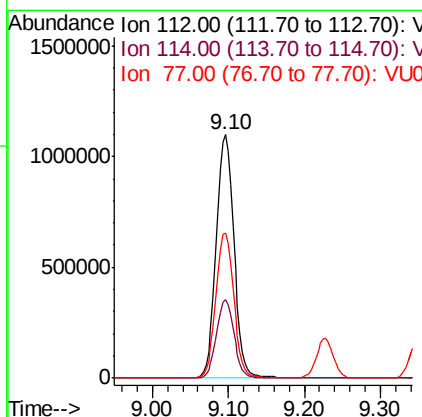
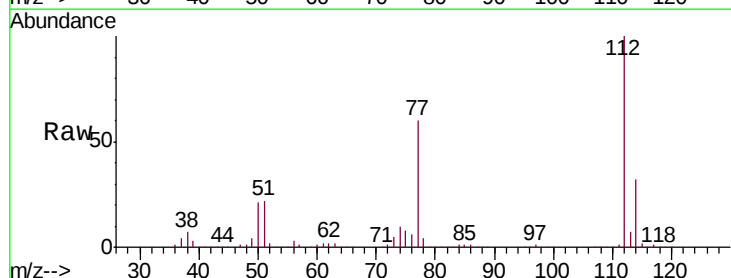
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

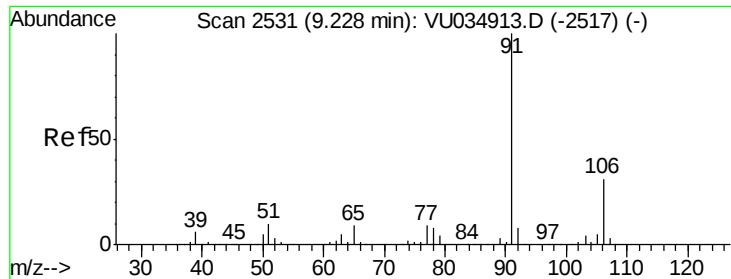
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.2	121.0
188	3.3	2.6	4.0



#51
Chlorobenzene
Concen: 198.560 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.3
77	59.6	48.7	73.1

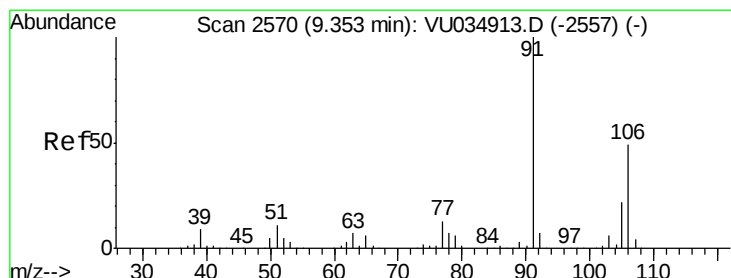
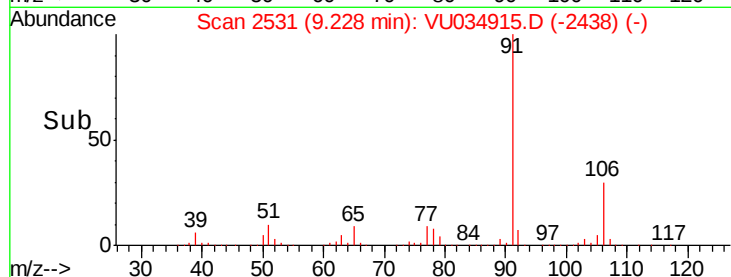
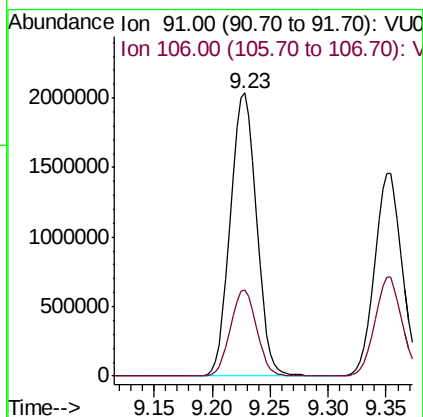
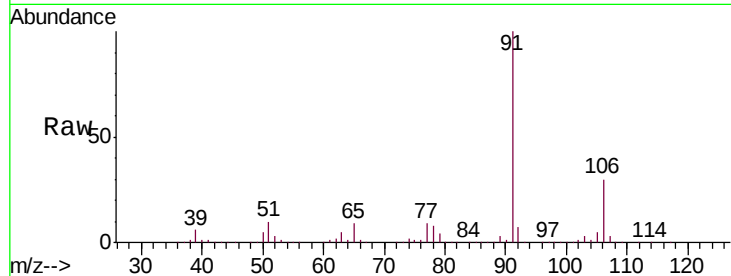




#52
Ethylbenzene
Concen: 214.681 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

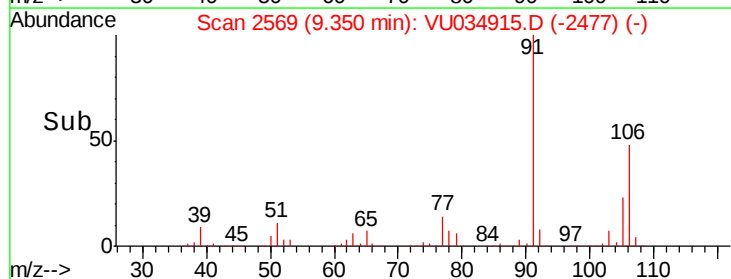
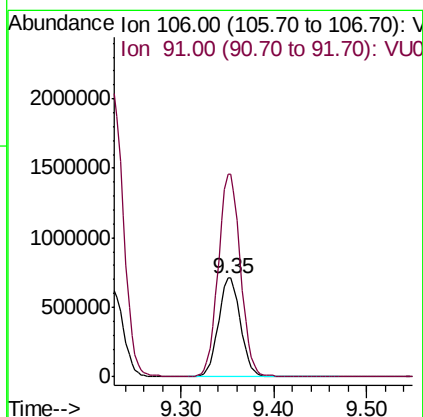
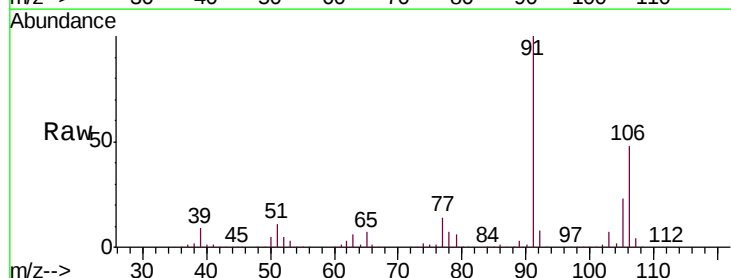
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

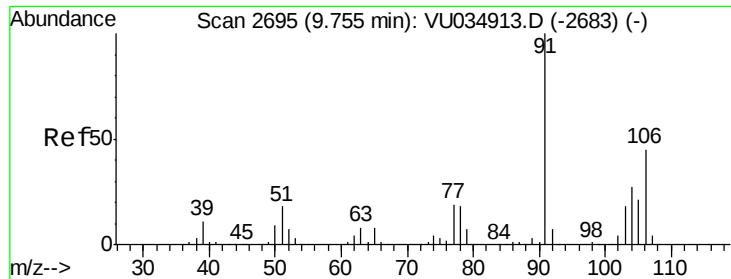
Tgt Ion: 91 Resp: 3174702
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.2



#53
m,p-Xylene
Concen: 211.300 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Tgt Ion: 106 Resp: 1178571
Ion Ratio Lower Upper
106 100
91 206.2 144.5 268.3

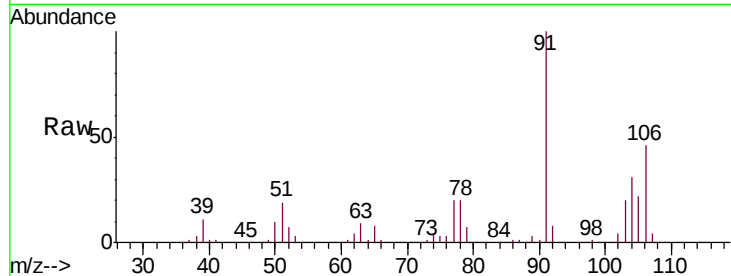




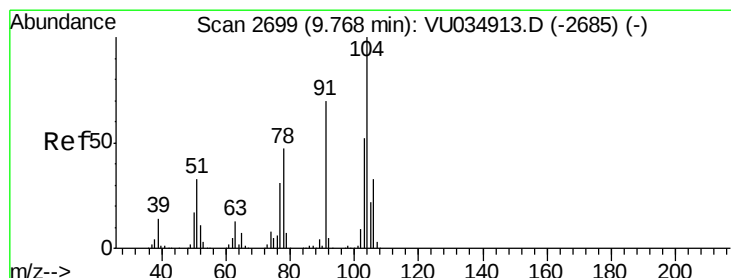
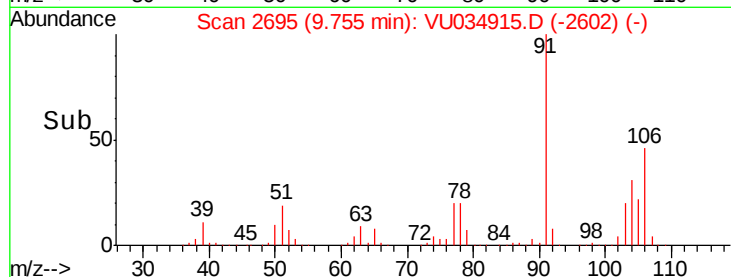
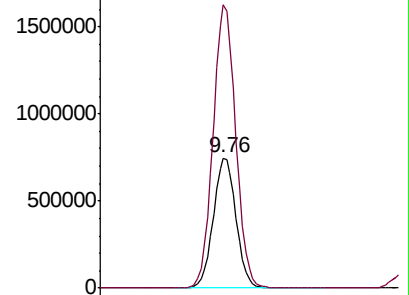
#54
o-xylene
Concen: 212.423 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Tgt Ion:106 Resp: 1174834
Ion Ratio Lower Upper
106 100
91 217.1 154.1 286.3

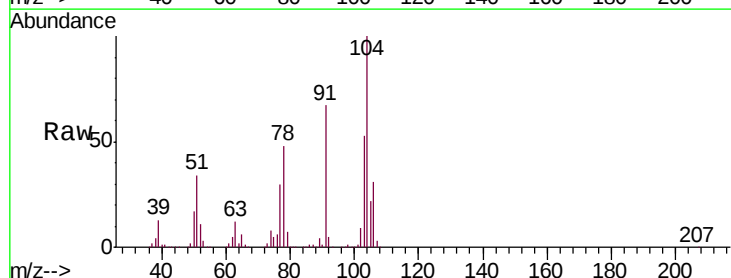


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

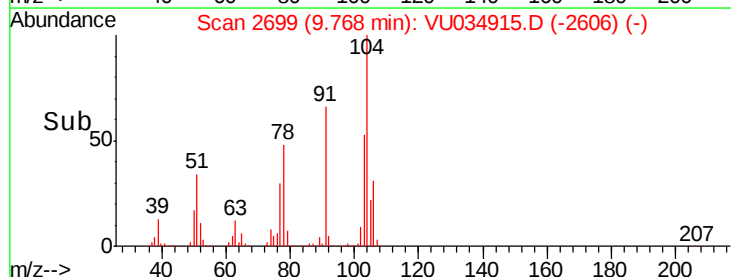
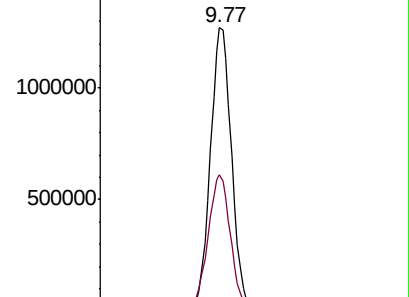


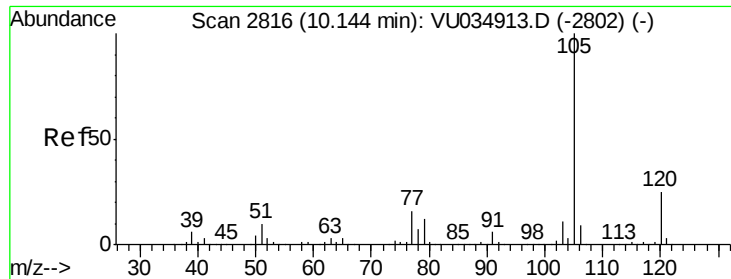
#55
Styrene
Concen: 217.751 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. 0.00 min
Lab File: VU034915.D
Acq: 03 Oct 2019 13:09

Tgt Ion:104 Resp: 2034061
Ion Ratio Lower Upper
104 100
78 48.1 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 216.244 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampled :

VSTD20031

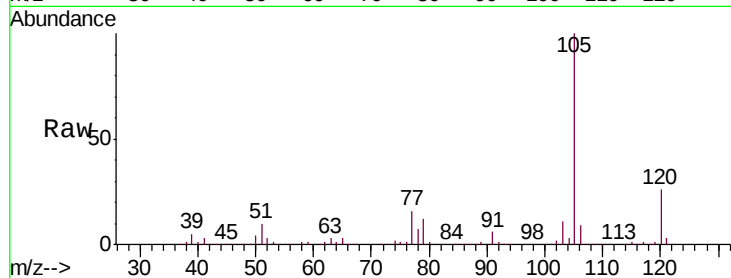
Tgt Ion:105 Resp: 3086916

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

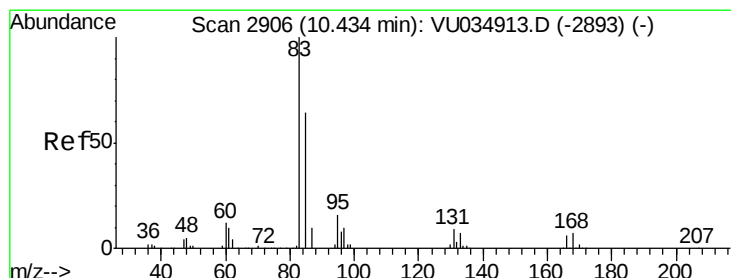
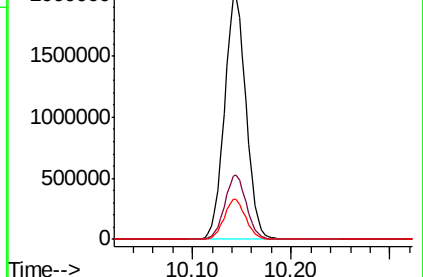
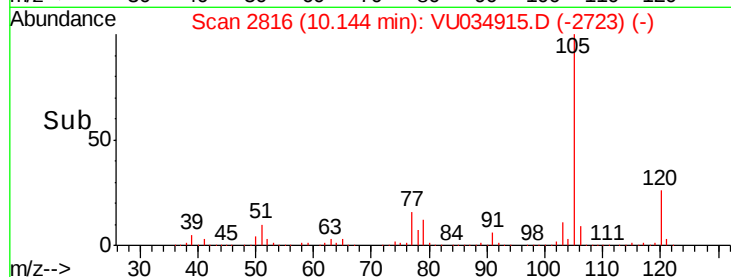
77 16.3 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 208.241 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

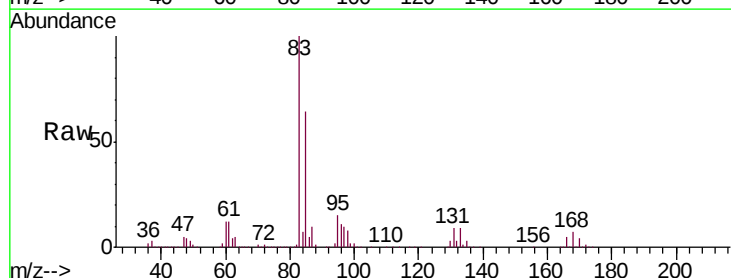
Tgt Ion: 83 Resp: 1197934

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.9

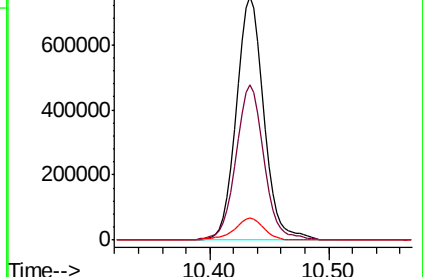
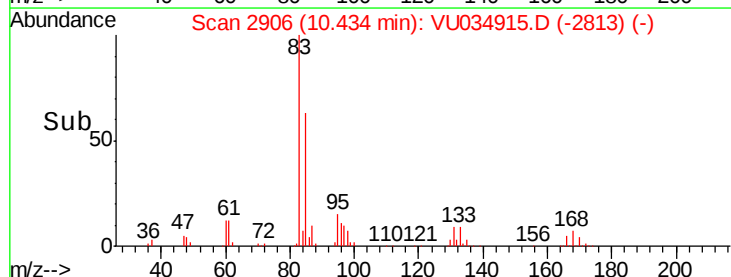
131 9.2 7.4 11.2

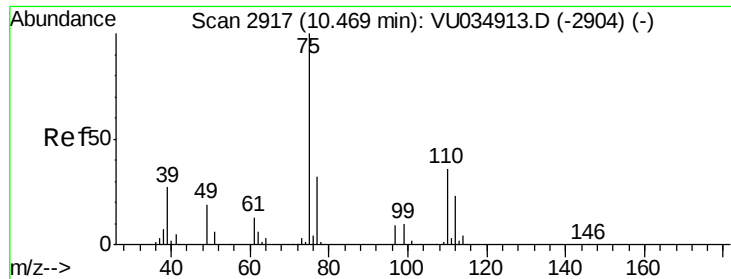


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 209.954 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

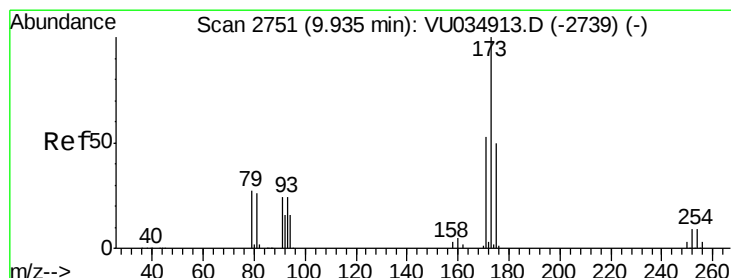
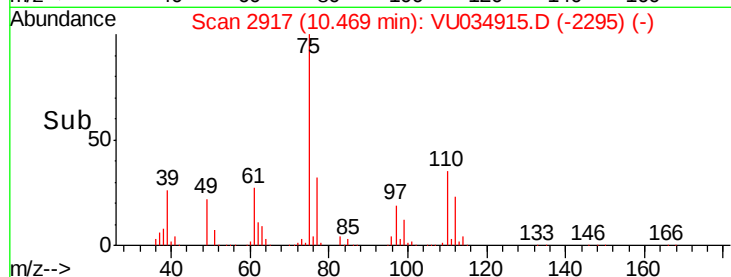
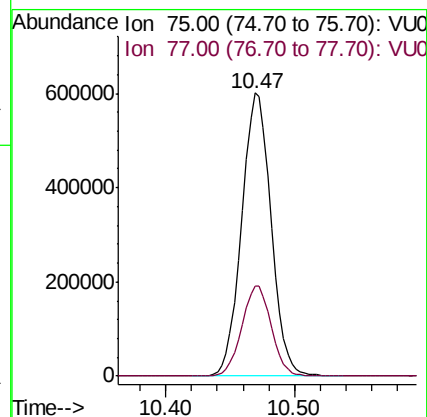
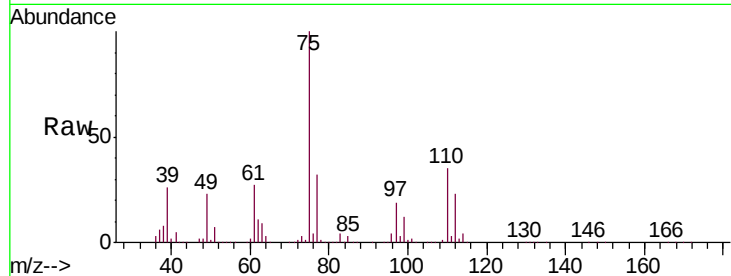
VSTD20031

Tgt Ion: 75 Resp: 952302

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 208.076 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

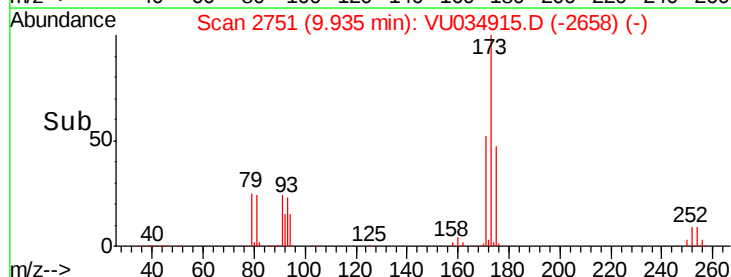
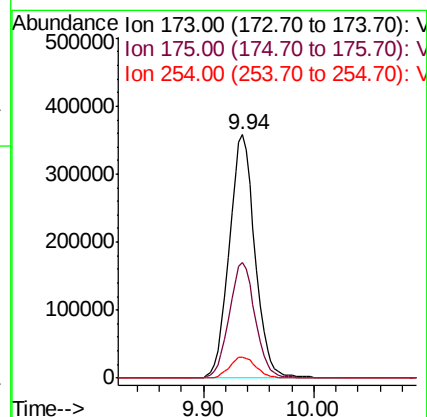
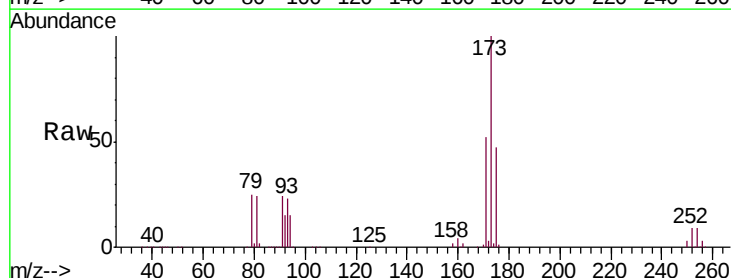
Tgt Ion: 173 Resp: 578987

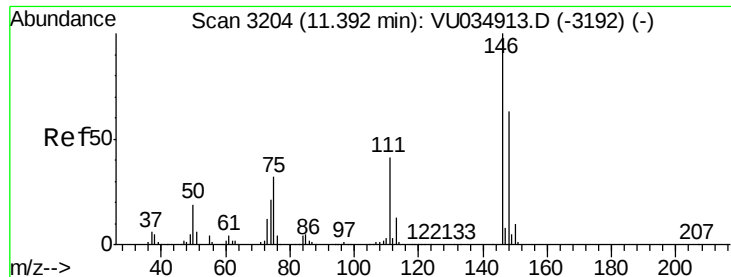
Ion Ratio Lower Upper

173 100

175 48.3 38.6 57.8

254 8.8 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 200.840 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

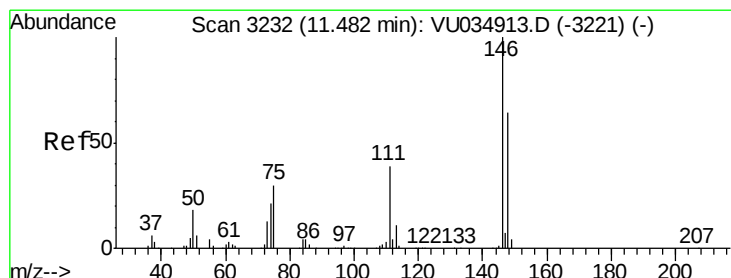
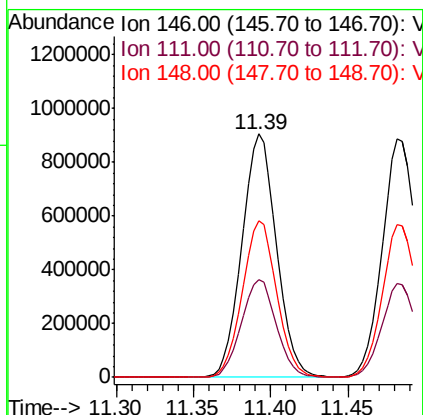
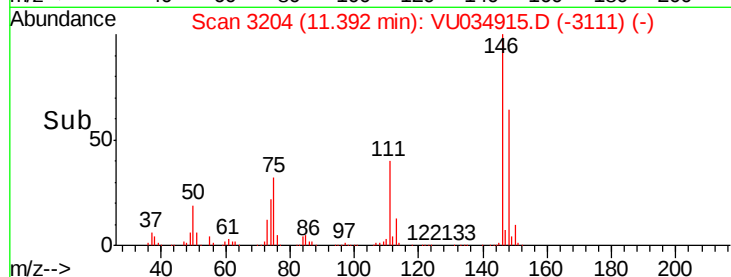
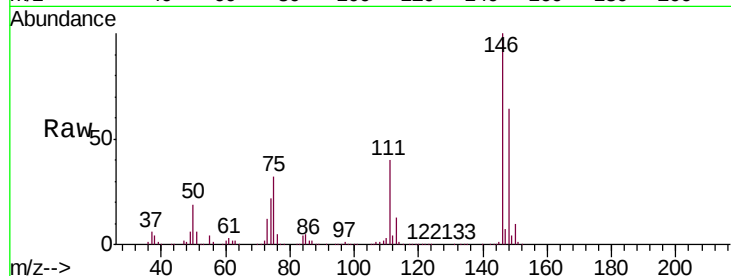
Tgt Ion:146 Resp: 1408141

Ion Ratio Lower Upper

146 100

111 40.3 28.8 53.6

148 64.3 44.4 82.5



#63

1,4-Dichlorobenzene

Concen: 191.996 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

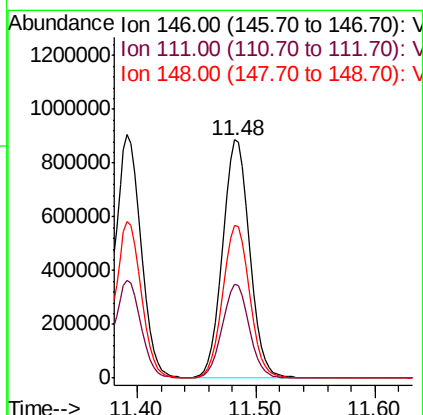
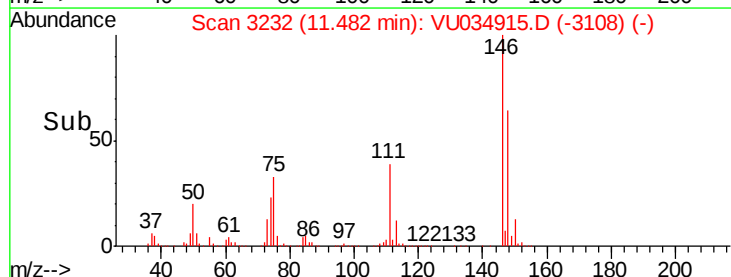
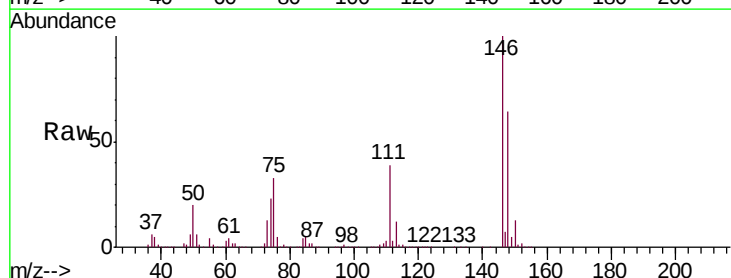
Tgt Ion:146 Resp: 1393354

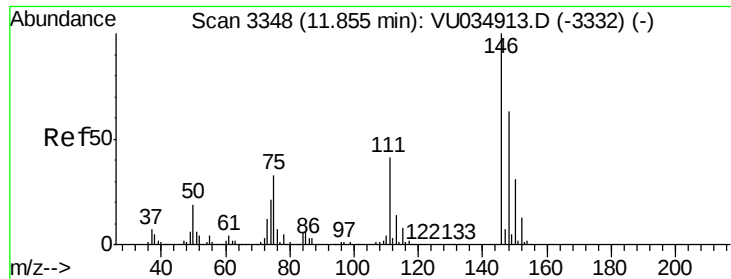
Ion Ratio Lower Upper

146 100

111 39.4 27.3 50.7

148 64.2 44.5 82.7

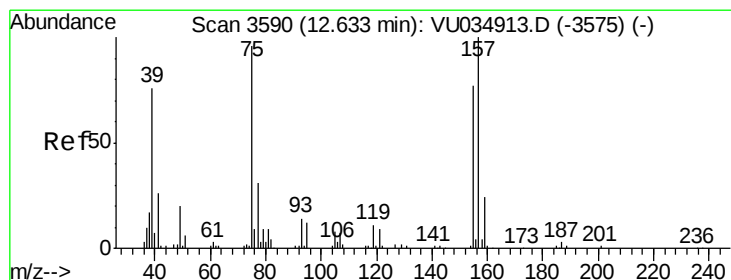
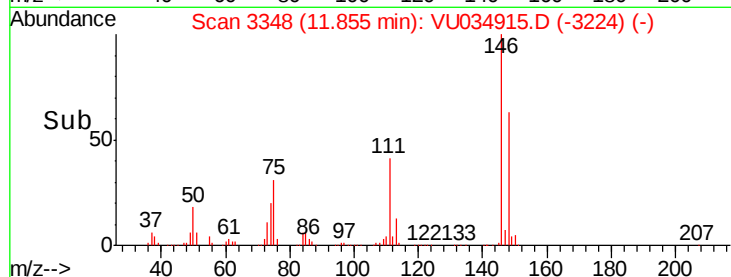
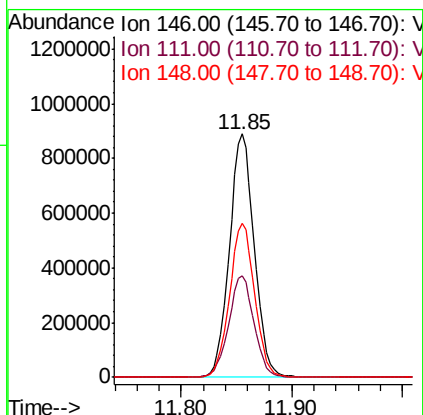
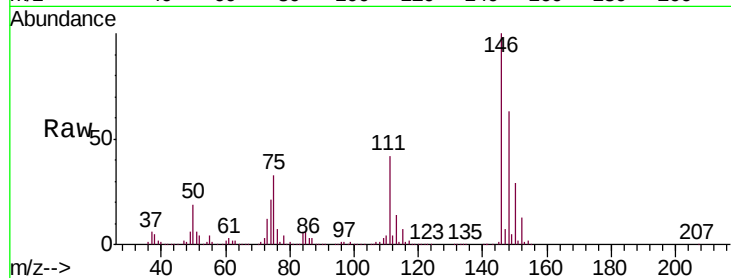




#65
 1,2-Dichlorobenzene
 Concen: 193.586 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

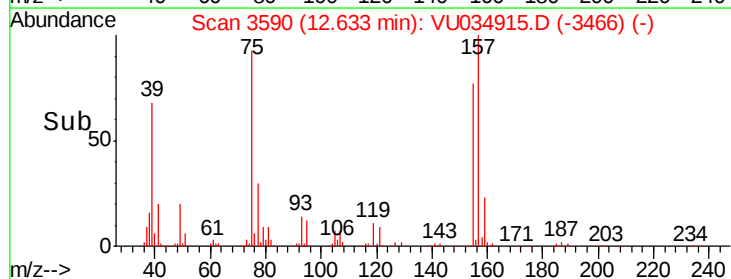
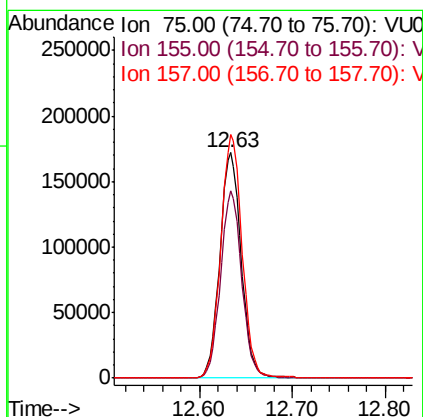
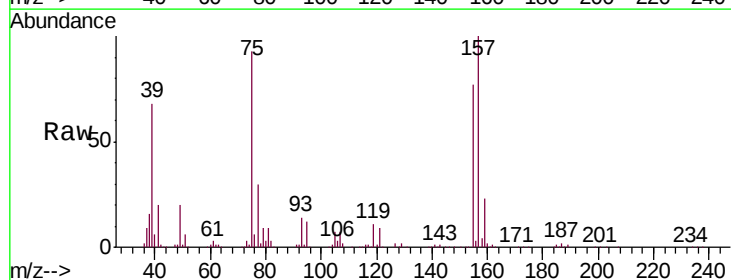
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

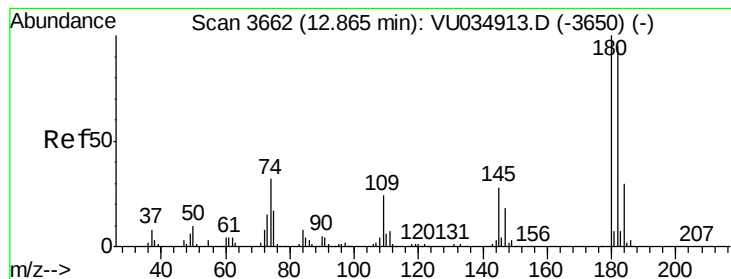
Tgt Ion: 146 Resp: 1385247
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.0 49.4
 148 63.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 202.551 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034915.D
 Acq: 03 Oct 2019 13:09

Tgt Ion: 75 Resp: 275432
 Ion Ratio Lower Upper
 75 100
 155 82.8 64.2 96.2
 157 107.9 83.0 124.4





#67

1,3,5-Trichlorobenzene

Concen: 202.346 ug/L

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

Tgt Ion:180 Resp: 1012614

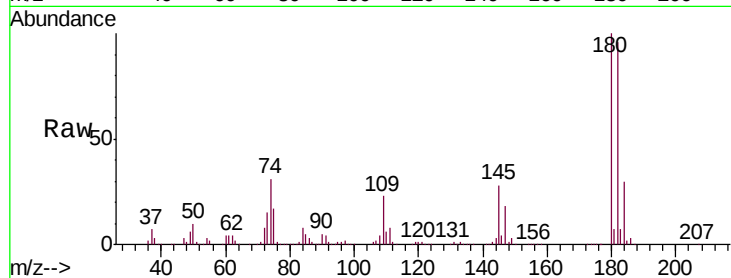
Ion Ratio Lower Upper

180 100

182 95.2 76.6 115.0

184 30.3 24.1 36.1

145 28.2 22.4 33.6

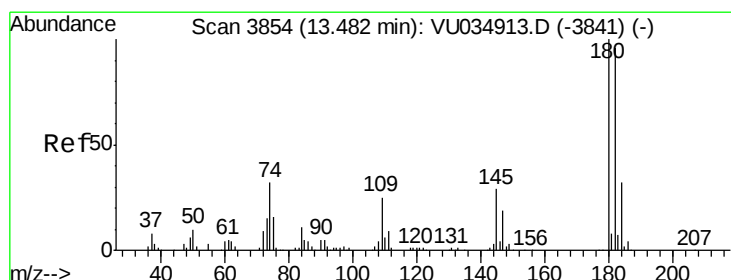
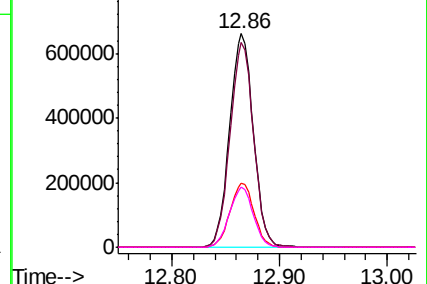
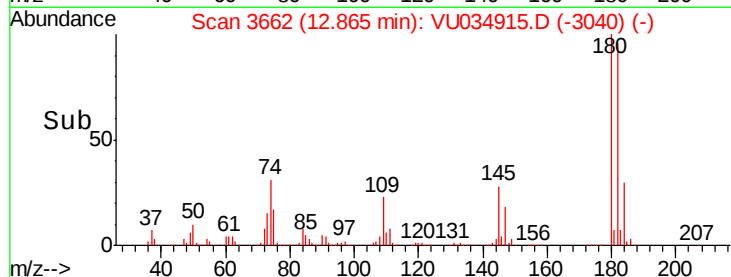


Abundance Ion 180.00 (179.70 to 180.70): V

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: 214.512 ug/L

RT: 13.48 min Scan# 3854

Delta R.T. 0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

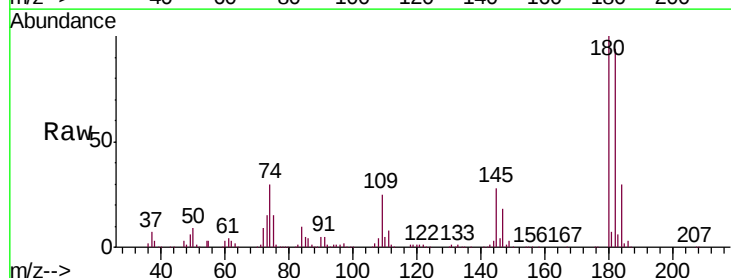
Tgt Ion:180 Resp: 917022

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

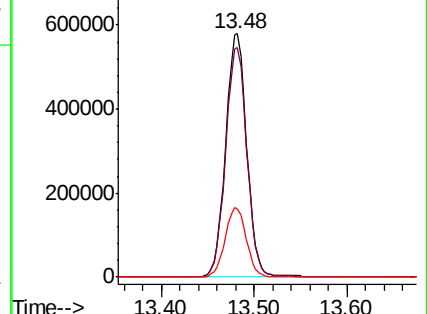
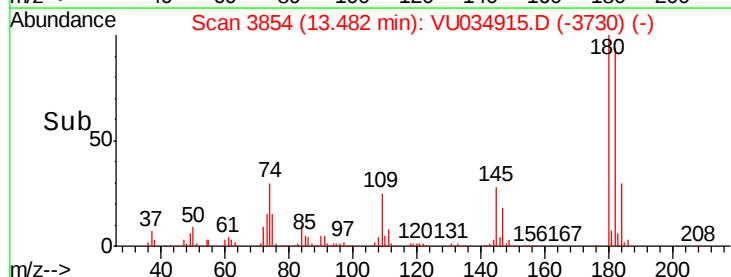
145 28.8 22.6 33.8

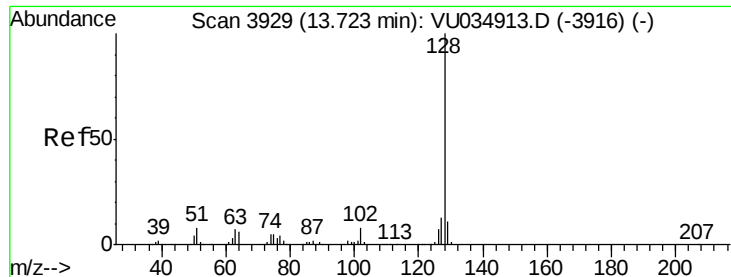


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 220.340 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

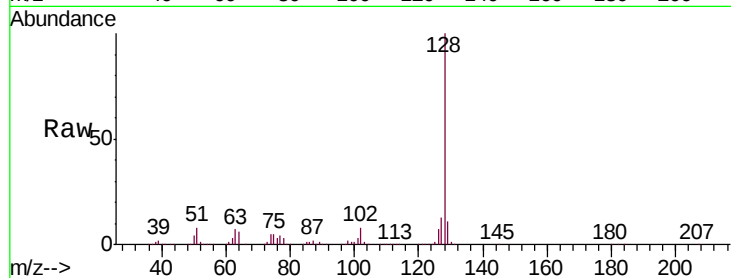
Tgt Ion:128 Resp: 2974833

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

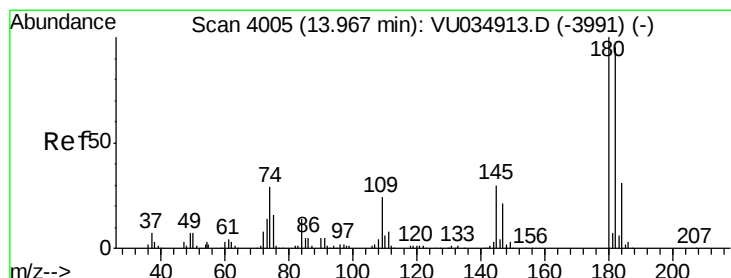
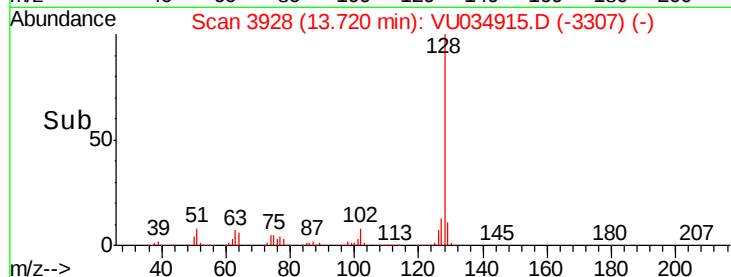
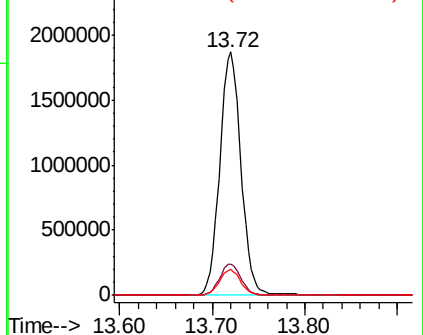
129 10.7 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 191.025 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034915.D

Acq: 03 Oct 2019 13:09

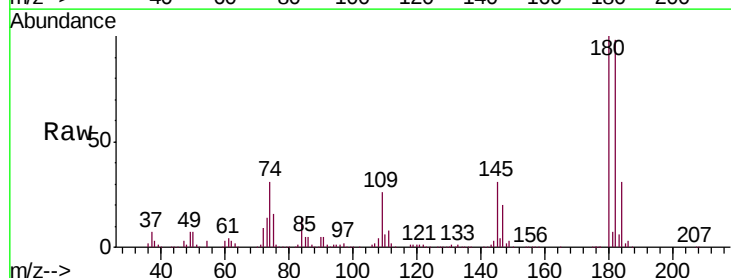
Tgt Ion:180 Resp: 883913

Ion Ratio Lower Upper

180 100

182 96.4 77.2 115.8

145 30.8 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

