

Data File : VU035302.D
Acq On : 19 Oct 2019 08:01
Operator : JC/SP
Sample : VSTD10031
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

Quant Time: Oct 21 04:50:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 04:45:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	646018	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	645758	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	315489	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	577933	103.60	ug/L	0.00
7) Chloroethane-d5	1.93	69	479471	101.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	940932	102.49	ug/L	0.00
21) 2-Butanone-d5	4.69	46	767715	210.19	ug/L	0.00
24) Chloroform-d	5.11	84	937869	102.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	599463	102.54	ug/L	0.00
32) Benzene-d6	5.77	84	1894365	100.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	606543	101.46	ug/L	0.00
41) Toluene-d8	7.93	98	1808965	100.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	319832	102.16	ug/L	0.00
47) 2-Hexanone-d5	8.68	63	572535	221.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	900961	103.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	690409	100.77	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	537673	103.233	ug/L	100
3) Chloromethane	1.54	50	562401	106.898	ug/L	99
5) Vinyl chloride	1.62	62	570049	104.520	ug/L	99
6) Bromomethane	1.87	94	342394	107.660	ug/L	100
8) Chloroethane	1.95	64	344969	102.808	ug/L	100
9) Trichlorofluoromethane	2.16	101	708948	102.510	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	413098	100.877	ug/L	100
12) 1,1-Dichloroethene	2.61	96	401266	102.542	ug/L	95
13) Acetone	2.67	43	648081	195.179	ug/L	99
14) Carbon disulfide	2.83	76	1245910	104.023	ug/L	100
15) Methyl Acetate	2.99	43	500279	104.901	ug/L	100
16) Methylene chloride	3.09	84	473621	102.209	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	433653	103.051	ug/L	98
18) Methyl tert-butyl Ether	3.42	73	1383486	102.581	ug/L	100
19) 1,1-Dichloroethane	3.92	63	822466	101.777	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	496845	104.439	ug/L	95
22) 2-Butanone	4.77	43	819060	204.844	ug/L	97
23) Bromochloromethane	5.02	128	248218	103.790	ug/L	99
25) Chloroform	5.14	83	840474	101.694	ug/L	100
27) 1,2-Dichloroethane	5.84	62	661510	102.211	ug/L	100
29) Cyclohexane	5.43	56	732272	100.867	ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	707782	99.795	ug/L	100
31) Carbon tetrachloride	5.57	117	632253	101.783	ug/L	98
33) Benzene	5.82	78	1847679	100.133	ug/L	100
34) Trichloroethene	6.58	95	467827	98.995	ug/L	99
35) Methylcyclohexane	6.80	83	747444	102.850	ug/L	99
37) 1,2-Dichloropropane	6.83	63	477580	99.900	ug/L	100
38) Bromodichloromethane	7.15	83	642444	101.330	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	818373	105.839	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	1414441	209.805	ug/L	99

Data File : VU035302.D
Acq On : 19 Oct 2019 08:01
Operator : JC/SP
Sample : VSTD10031
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

Quant Time: Oct 21 04:50:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 04:45:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	2013474	100.861	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	748377	103.826	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	462343	99.857	ug/L	98
46) Tetrachloroethene	8.59	164	384440	101.210	ug/L	99
48) 2-Hexanone	8.73	43	1093876	195.797	ug/L	93
49) Dibromochloromethane	8.84	129	531292	101.613	ug/L	98
50) 1,2-Dibromoethane	8.96	107	524429	102.083	ug/L	98
51) Chlorobenzene	9.48	112	1302524	101.367	ug/L	98
52) Ethylbenzene	9.60	91	2283558	103.512	ug/L	100
53) m,p-Xylene	9.72	106	851710	105.172	ug/L	99
54) o-xylene	10.13	106	842620	102.646	ug/L	98
55) Styrene	10.14	104	1446480	106.088	ug/L	100
56) Isopropylbenzene	10.51	105	2216891	105.322	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	829349	102.151	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	649989	102.462	ug/L	99
61) Bromoform	10.32	173	424995	97.625	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	1001476	100.098	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	995841	101.478	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	994006	99.524	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	165544	104.497	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	637553	112.608	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	465289	129.267	ug/L	99
69) Naphthalene	14.11	128	1297155	144.296	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	461370	121.455	ug/L	100

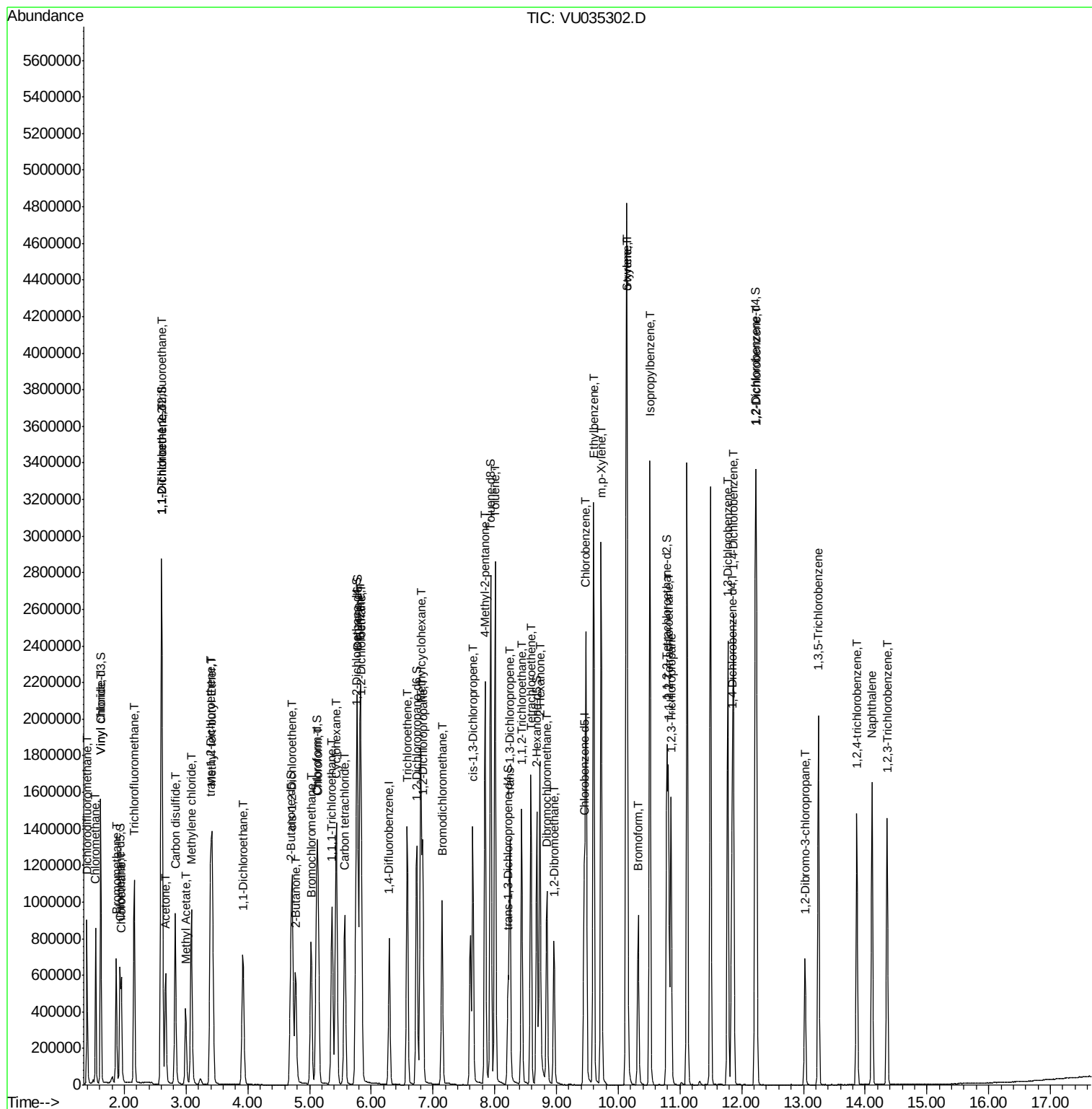
(#) = qualifier out of range (m) = manual integration (+) = signals summed

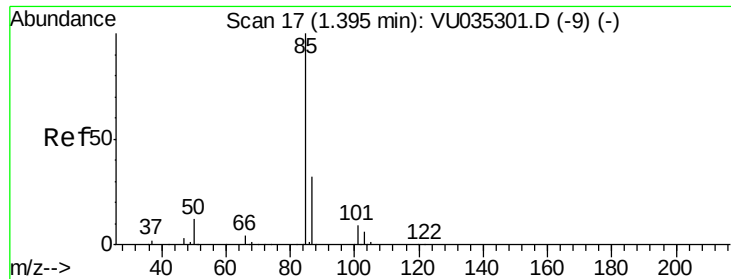
Data File : VU035302.D

```
Acq On       : 19 Oct 2019   08:01
Operator    : JC/SP
Sample      : VSTD10031
Misc       : 5.0mL/MSVOA_U/WATER
ALS Vial    : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

Quant Time: Oct 21 04:50:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 04:45:11 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 103.233 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

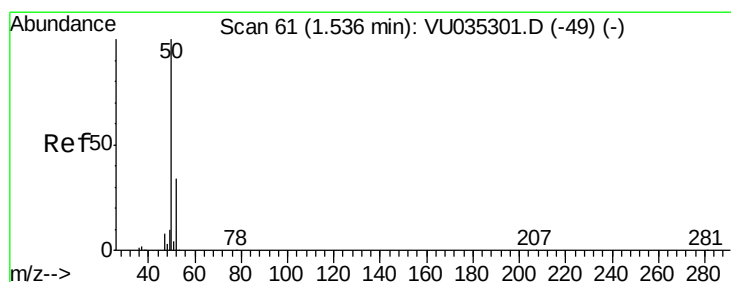
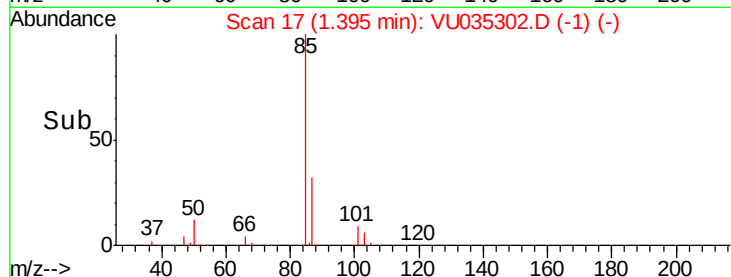
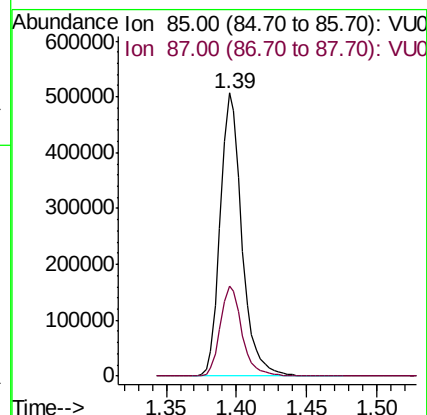
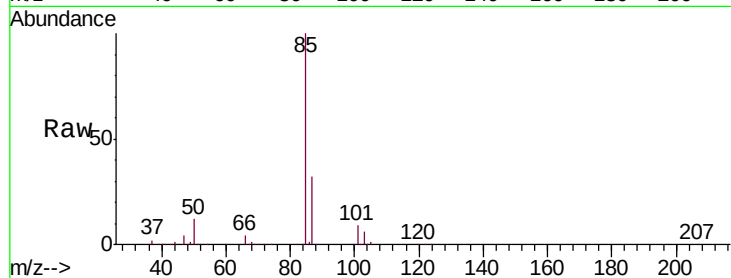
VSTD10031

Tgt Ion: 85 Resp: 537673

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



#3

Chloromethane

Concen: 106.898 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035302.D

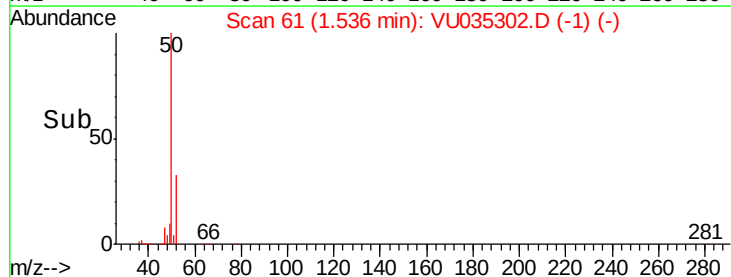
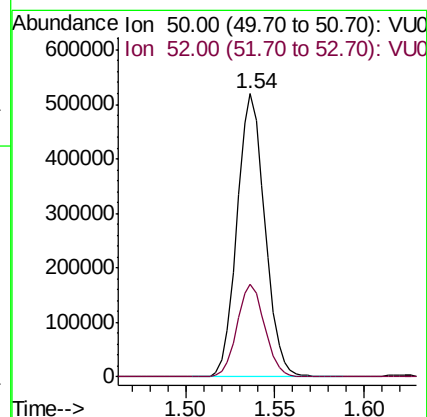
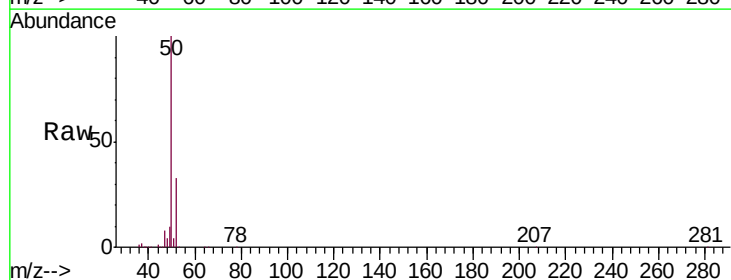
Acq: 19 Oct 2019 08:01

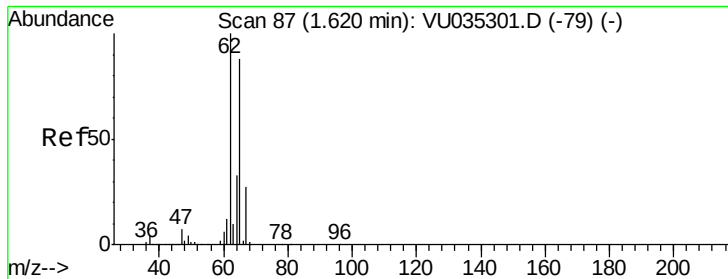
Tgt Ion: 50 Resp: 562401

Ion Ratio Lower Upper

50 100

52 32.9 23.6 43.8





#5

Vinyl chloride

Concen: 104.520 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

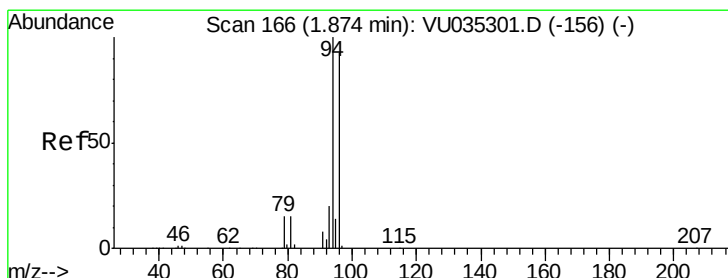
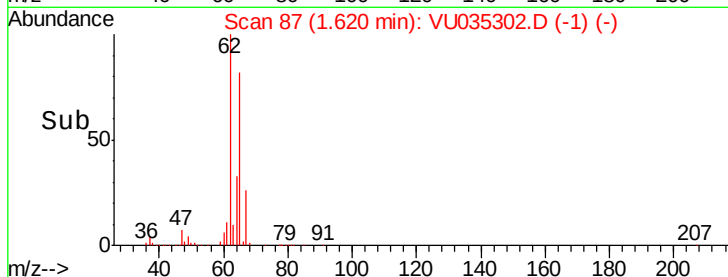
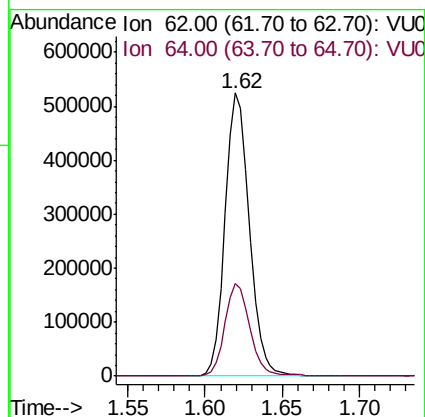
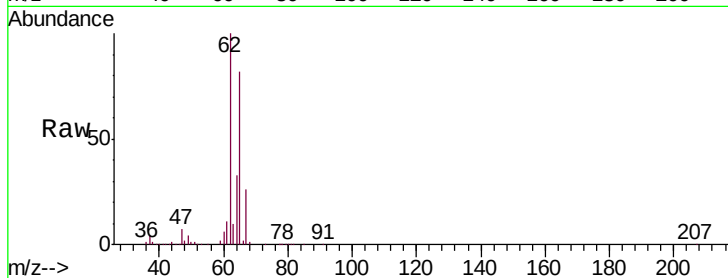
VSTD10031

Tgt Ion: 62 Resp: 570049

Ion Ratio Lower Upper

62 100

64 32.6 23.4 43.4



#6

Bromomethane

Concen: 107.660 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU035302.D

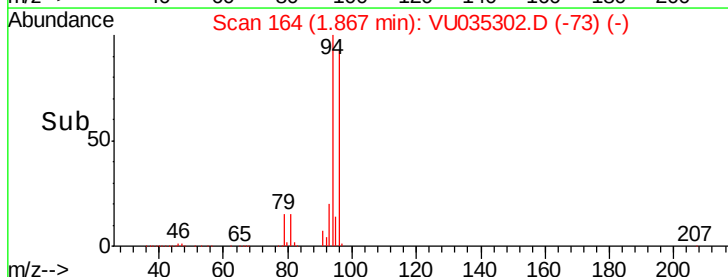
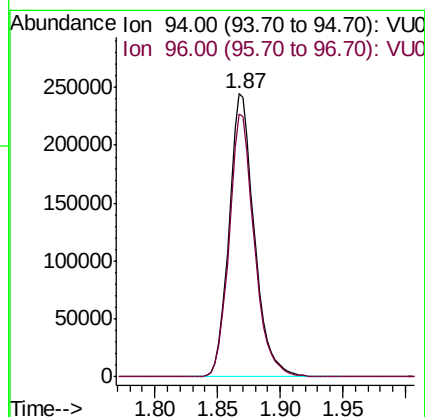
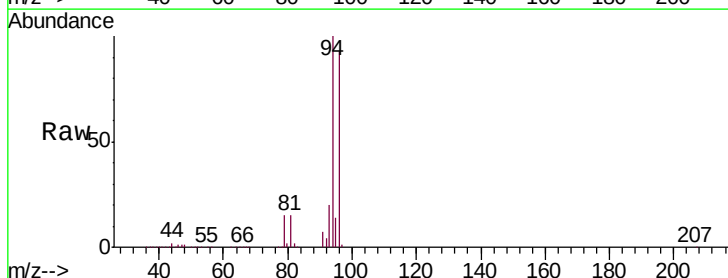
Acq: 19 Oct 2019 08:01

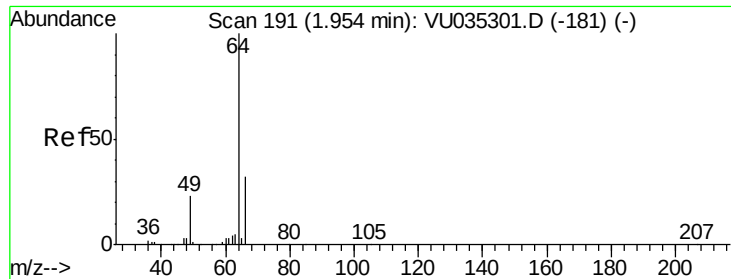
Tgt Ion: 94 Resp: 342394

Ion Ratio Lower Upper

94 100

96 92.7 65.0 120.8

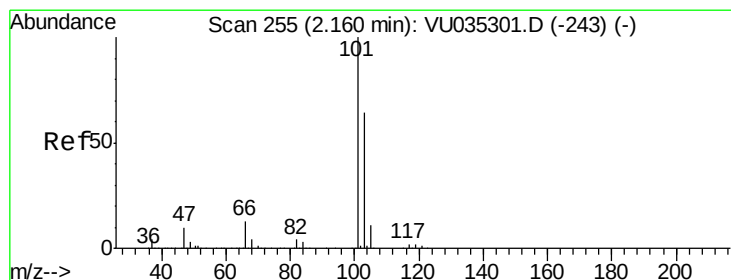
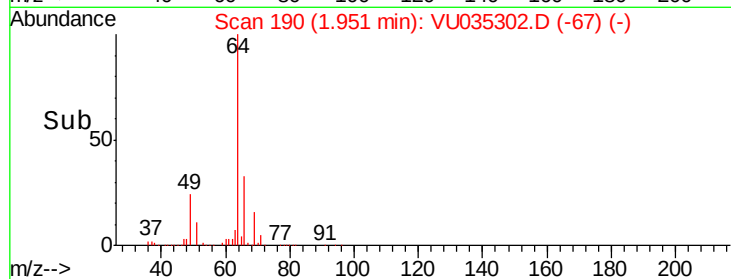
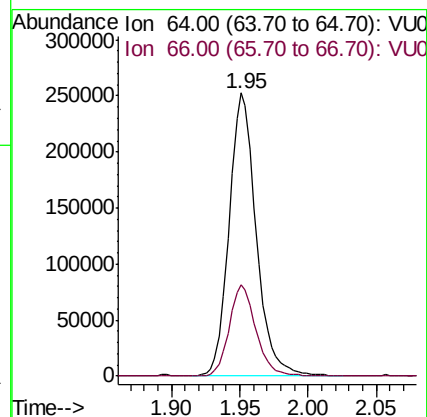
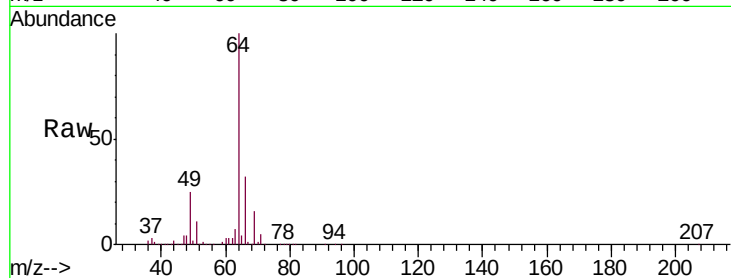




#8
Chloroethane
Concen: 102.808 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

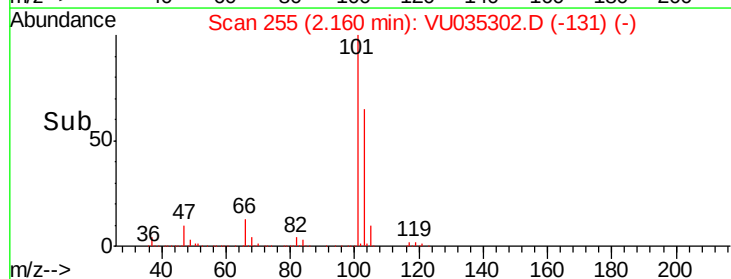
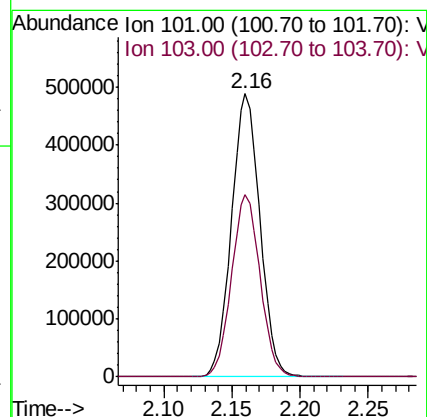
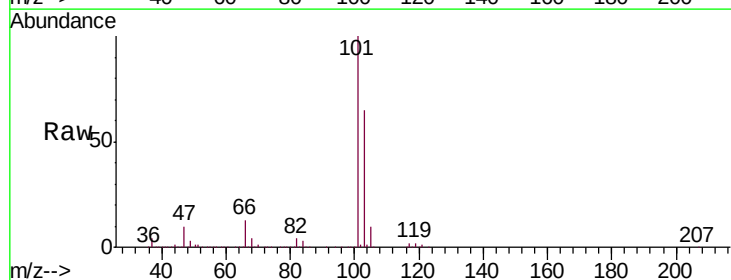
Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

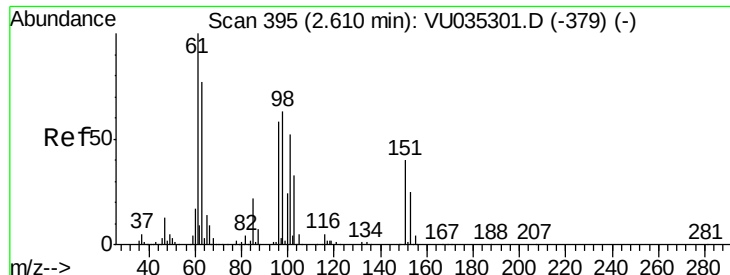
Tgt Ion: 64 Resp: 344969
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 102.510 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

Tgt Ion: 101 Resp: 708948
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.0





#10

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

Concen: 100.877 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampled :

VSTD10031

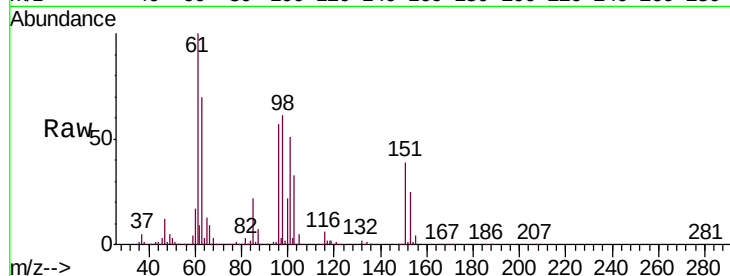
Tgt Ion: 101 Resp: 413098

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

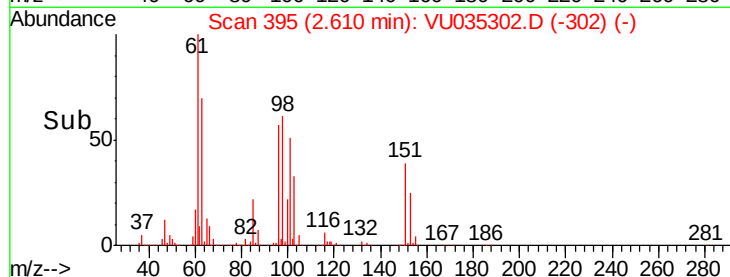
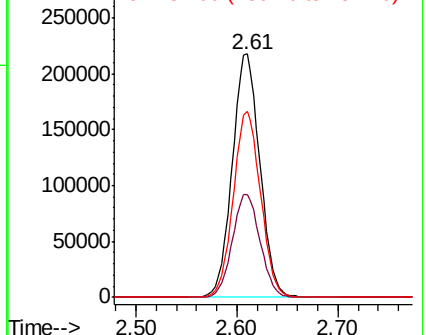
151 75.7 60.3 90.5



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: 102.542 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

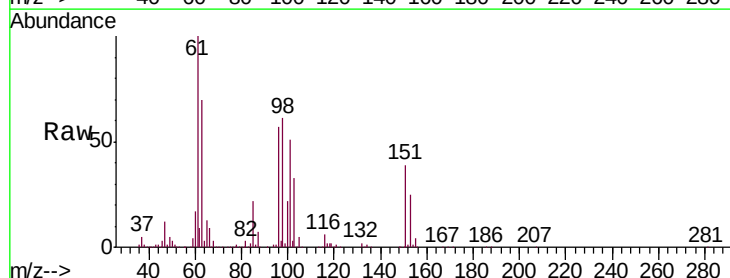
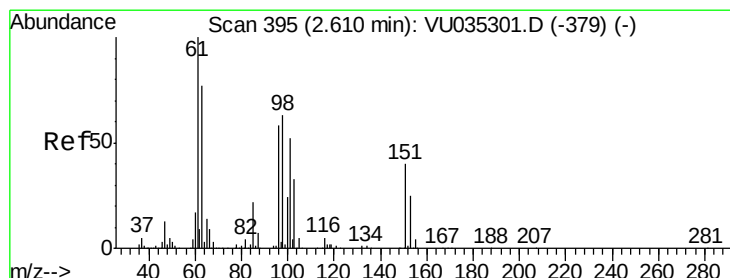
Tgt Ion: 96 Resp: 401266

Ion Ratio Lower Upper

96 100

61 174.4 121.1 224.9

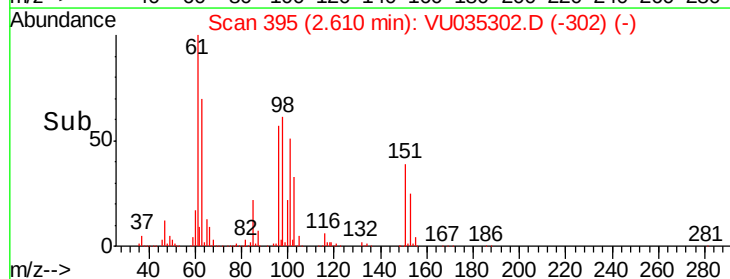
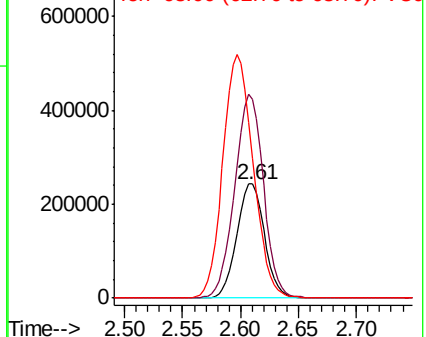
63 122.5 93.9 174.3

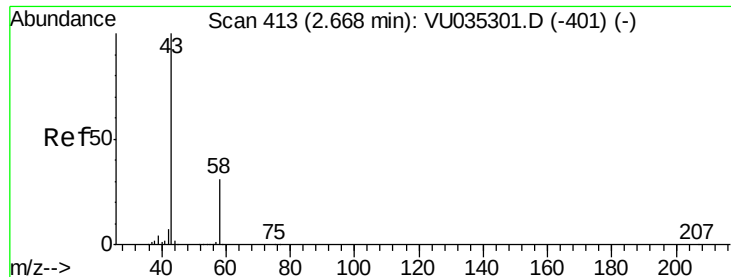


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 195.179 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

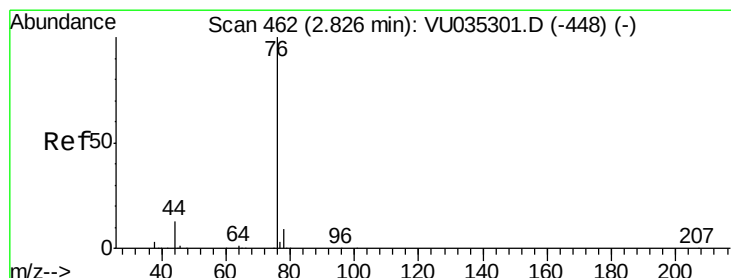
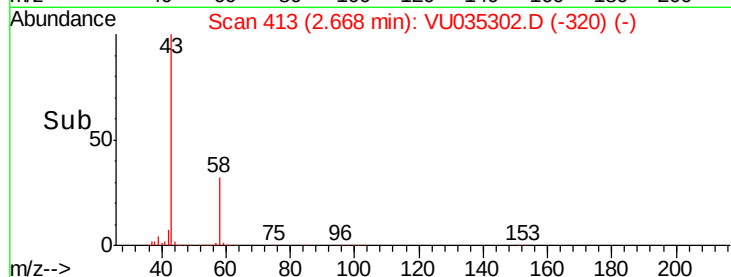
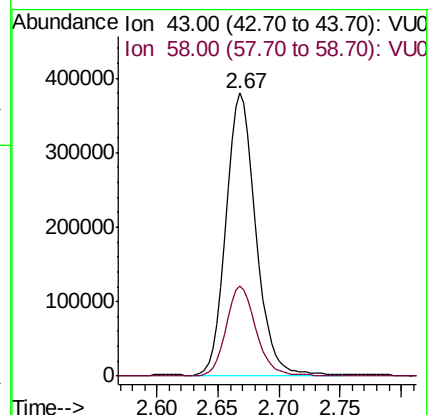
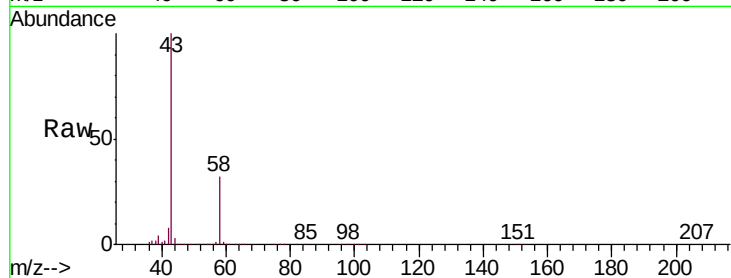
VSTD10031

Tgt Ion: 43 Resp: 648081

Ion Ratio Lower Upper

43 100

58 32.0 0.0 62.8



#14

Carbon disulfide

Concen: 104.023 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU035302.D

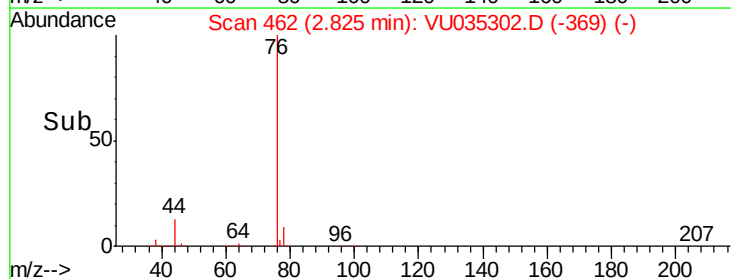
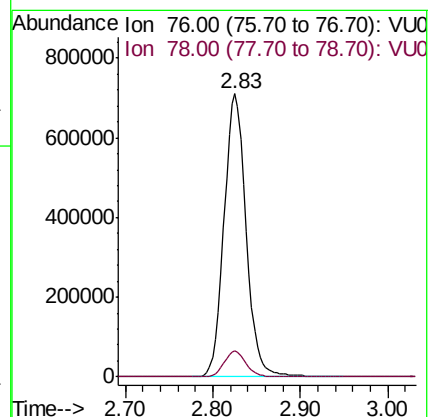
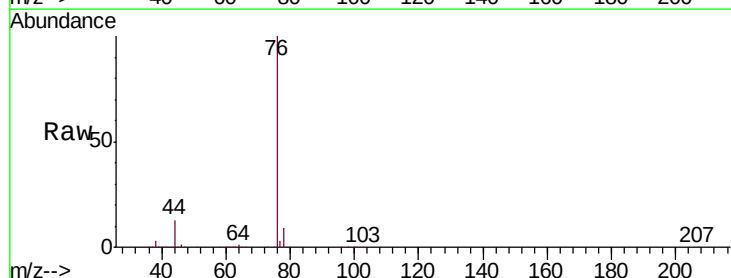
Acq: 19 Oct 2019 08:01

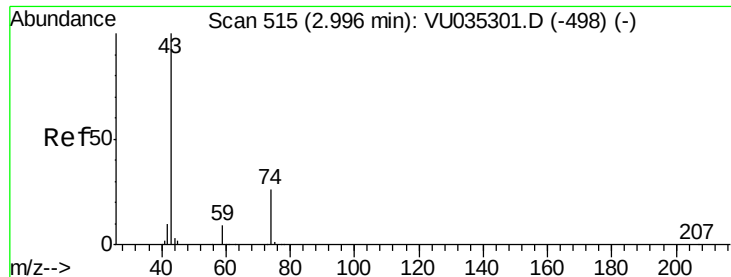
Tgt Ion: 76 Resp: 1245910

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 104.901 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

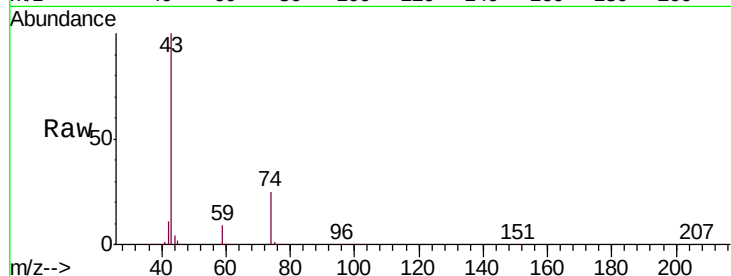
VSTD10031

Tgt Ion: 43 Resp: 500279

Ion Ratio Lower Upper

43 100

74 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU035301.D (-498) (-)

Ion 74.00 (73.70 to 74.70): VU035301.D (-498) (-)

2.99

300000

250000

200000

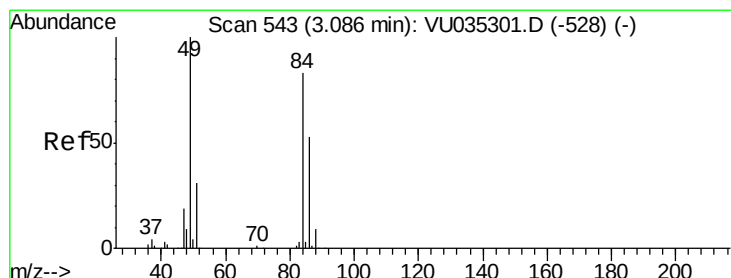
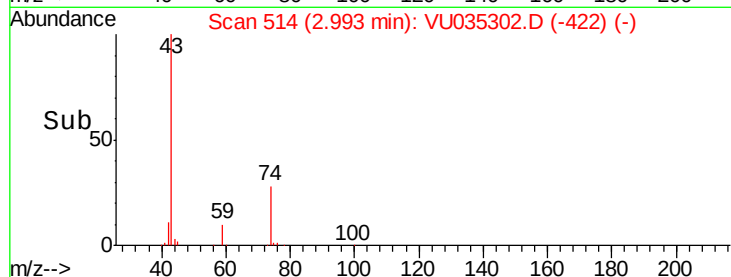
150000

100000

50000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#16

Methylene chloride

Concen: 102.209 ug/L

RT: 3.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

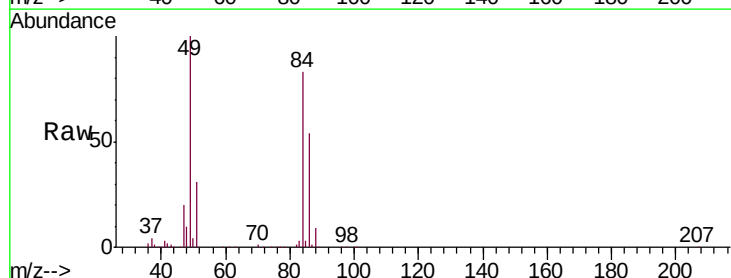
Tgt Ion: 84 Resp: 473621

Ion Ratio Lower Upper

84 100

86 64.9 44.4 82.5

49 121.0 84.0 156.0



Abundance Ion 84.00 (83.70 to 84.70): VU035301.D (-528) (-)

Ion 86.00 (85.70 to 86.70): VU035301.D (-528) (-)

Ion 49.00 (48.70 to 49.70): VU035301.D (-528) (-)

400000

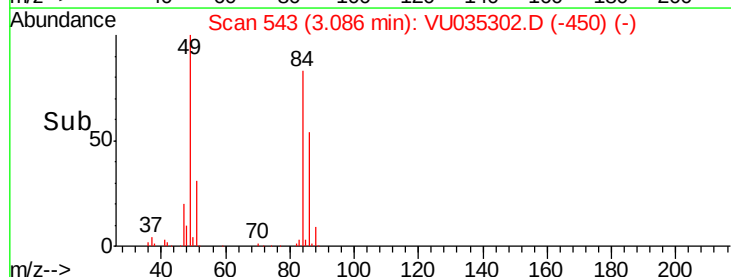
300000

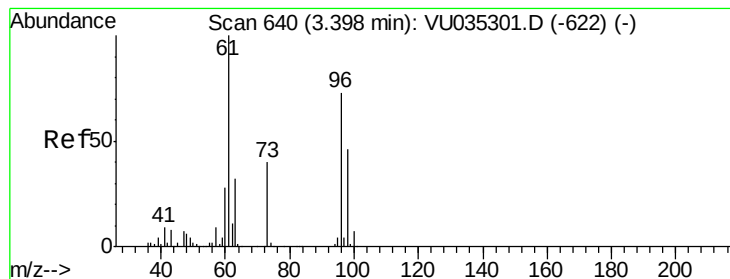
200000

100000

0

Time--> 3.00 3.10 3.20





#17

trans-1,2-Dichloroethene

Concen: 103.051 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampled :

VSTD10031

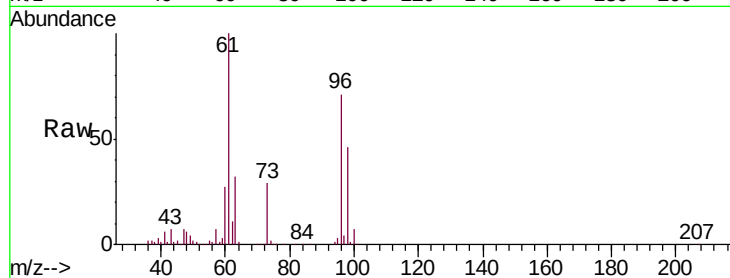
Tgt Ion: 96 Resp: 433653

Ion Ratio Lower Upper

96 100

61 140.0 95.8 178.0

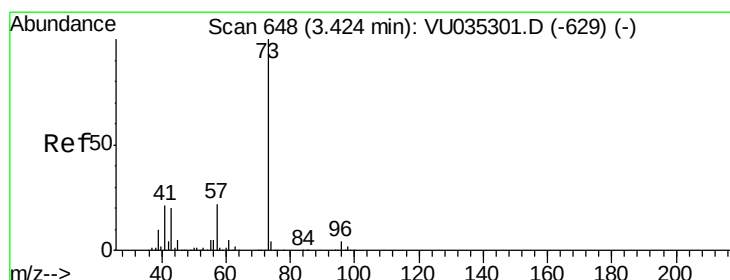
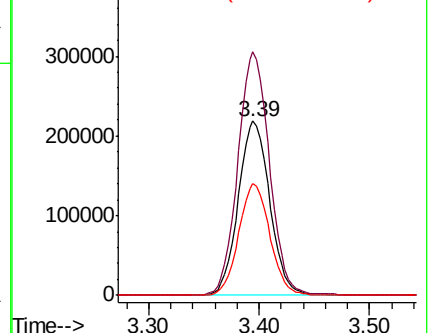
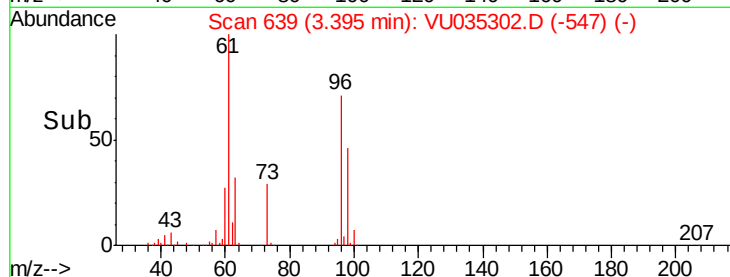
98 64.5 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VU035302.D (-547) (-)

Ion 61.00 (60.70 to 61.70): VU035302.D (-547) (-)

Ion 98.00 (97.70 to 98.70): VU035302.D (-547) (-)



#18

Methyl tert-butyl Ether

Concen: 102.581 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

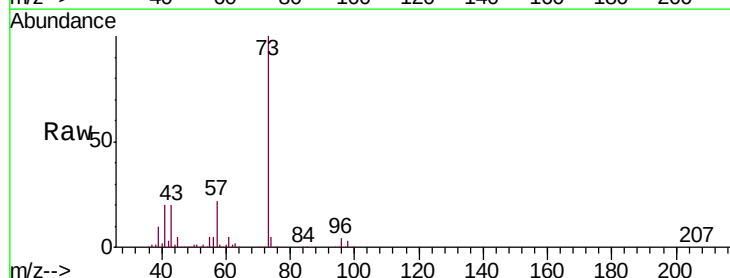
Tgt Ion: 73 Resp: 1383486

Ion Ratio Lower Upper

73 100

43 20.1 16.0 24.0

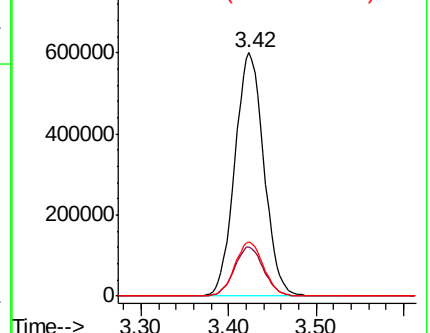
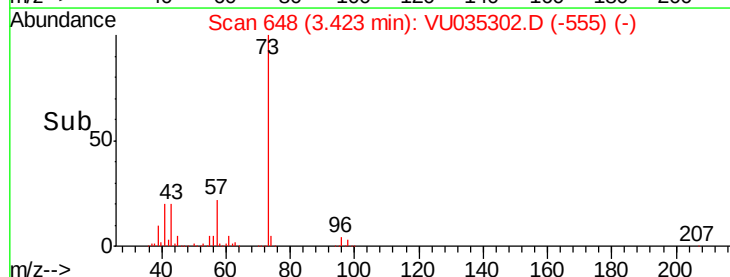
57 22.2 17.6 26.4

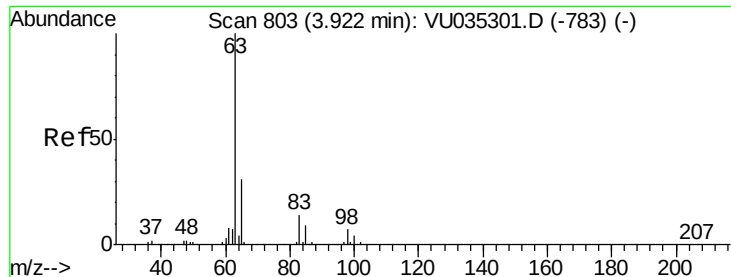


Abundance Ion 73.00 (72.70 to 73.70): VU035302.D (-555) (-)

Ion 43.00 (42.70 to 43.70): VU035302.D (-555) (-)

Ion 57.00 (56.70 to 57.70): VU035302.D (-555) (-)

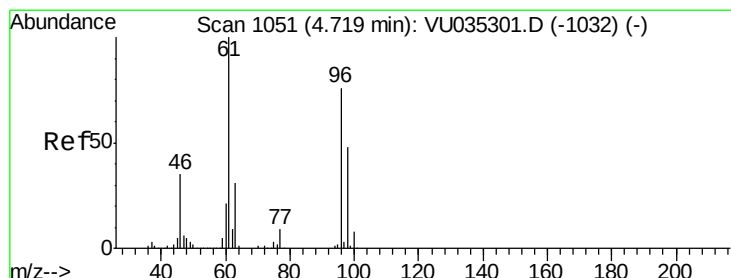
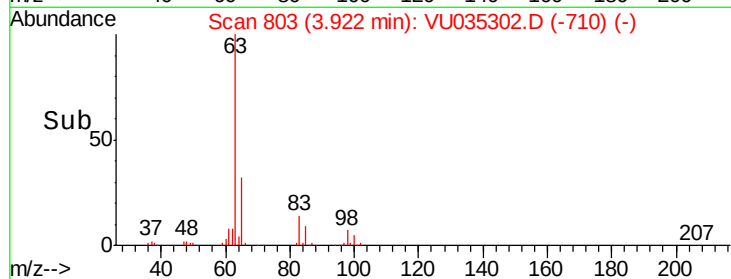
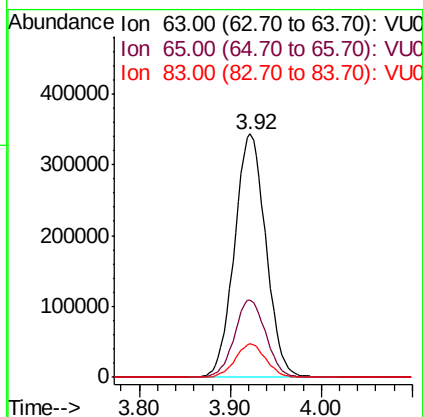
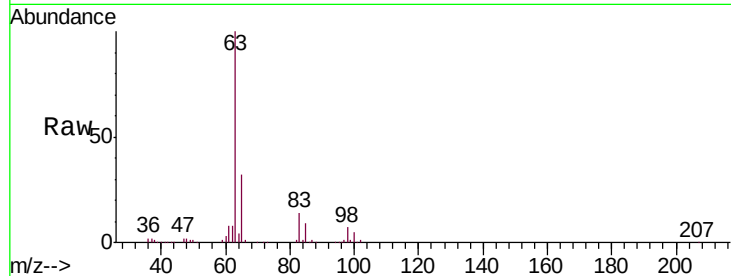




#19
 1,1-Dichloroethane
 Concen: 101.777 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

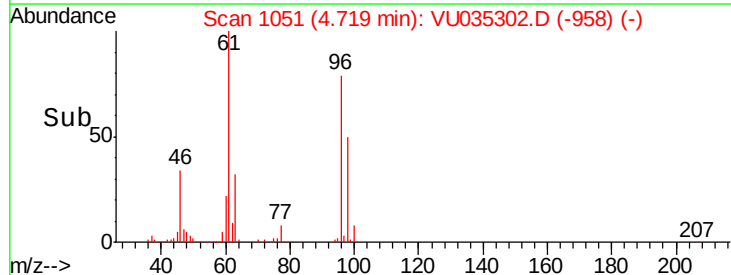
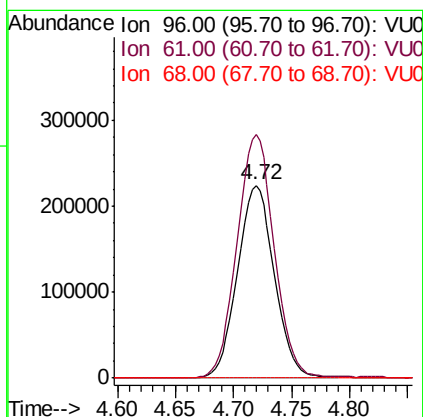
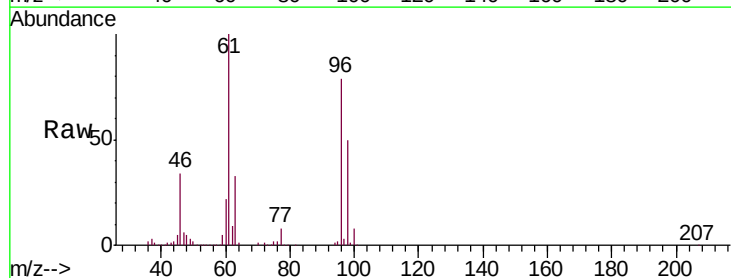
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

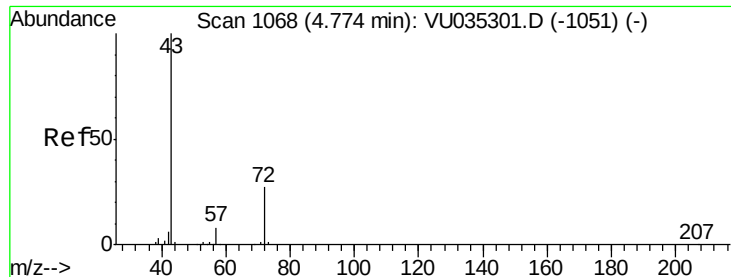
Tgt Ion: 63 Resp: 822466
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.6 40.0
 83 13.7 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 104.439 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Tgt Ion: 96 Resp: 496845
 Ion Ratio Lower Upper
 96 100
 61 126.5 92.7 172.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 204.844 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

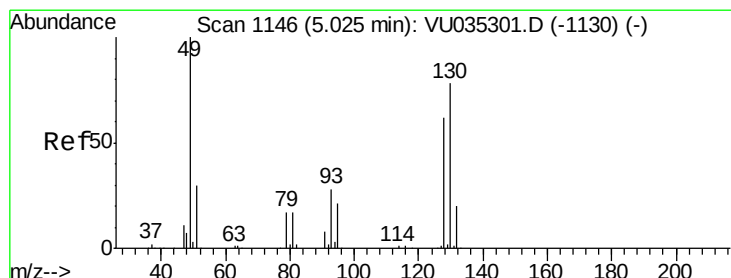
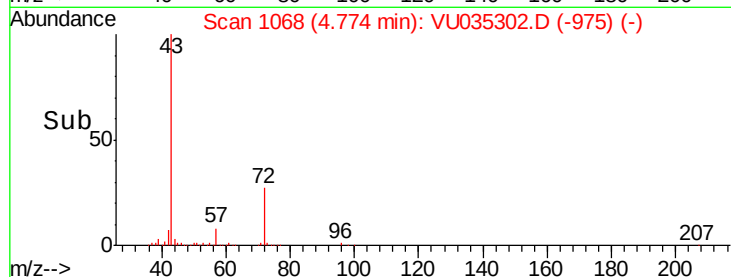
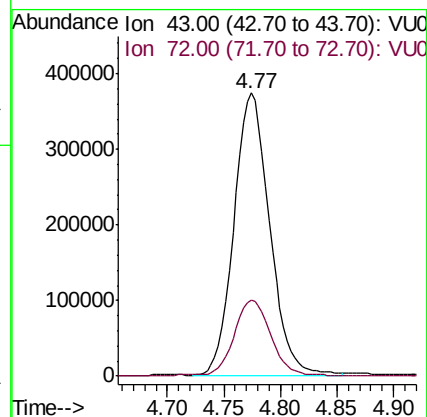
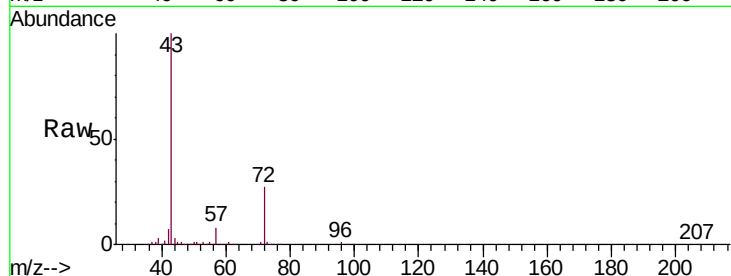
VSTD10031

Tgt Ion: 43 Resp: 819060

Ion Ratio Lower Upper

43 100

72 27.4 12.9 38.6



#23

Bromochloromethane

Concen: 103.790 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Tgt Ion: 128 Resp: 248218

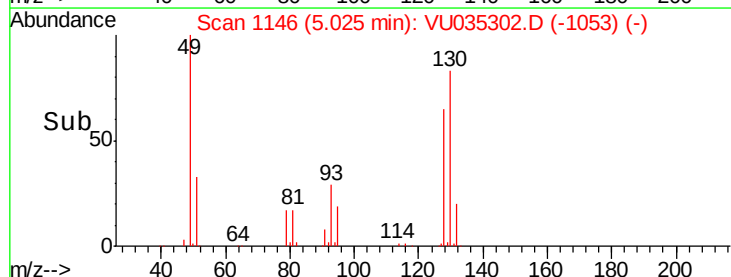
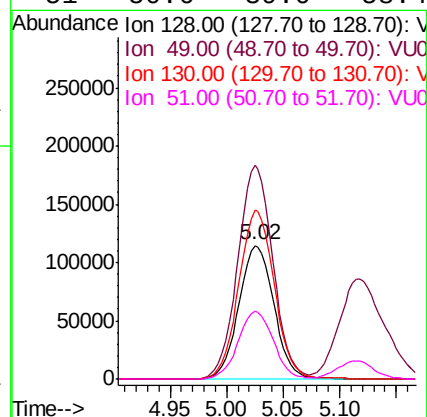
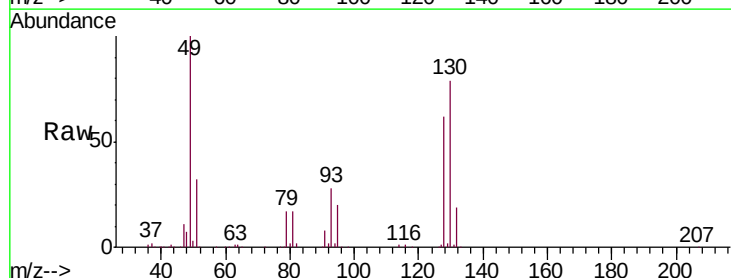
Ion Ratio Lower Upper

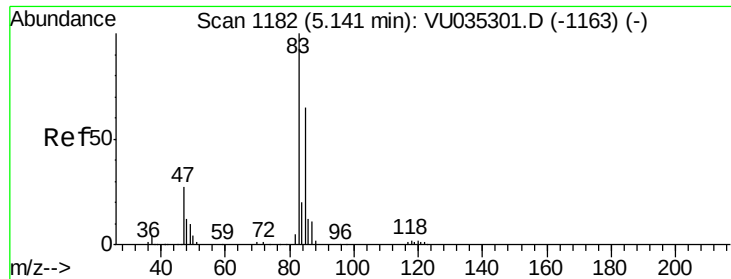
128 100

49 160.1 112.7 209.3

130 126.5 87.8 163.0

51 50.6 39.0 58.4

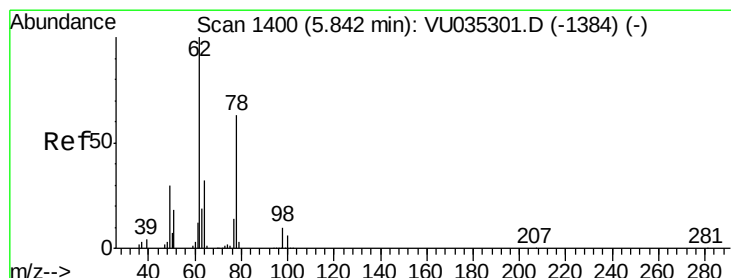
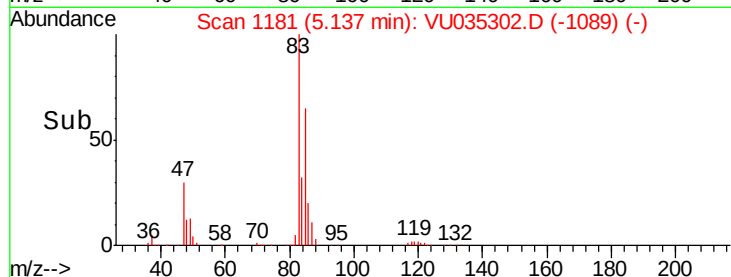
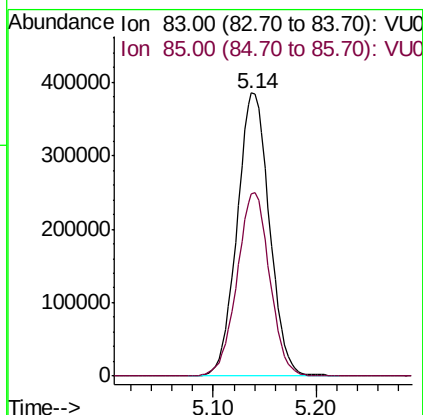
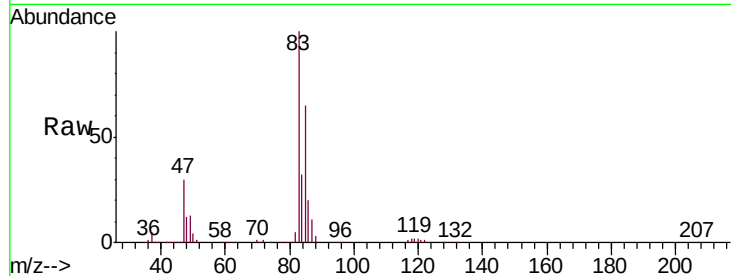




#25
Chloroform
Concen: 101.694 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

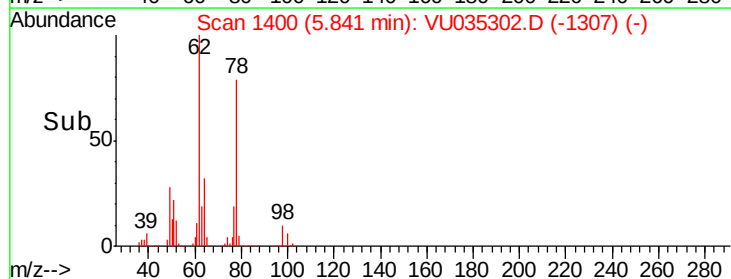
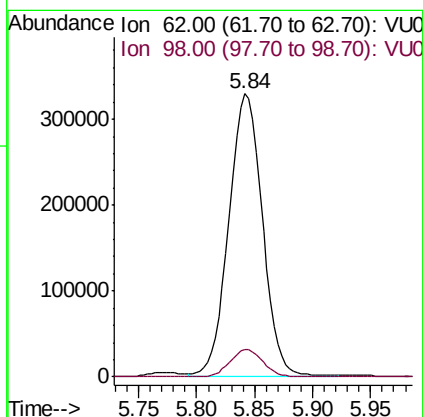
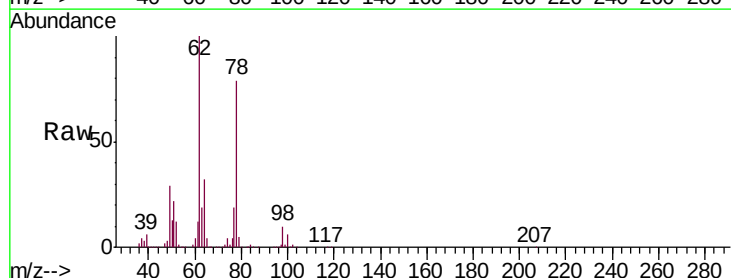
Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

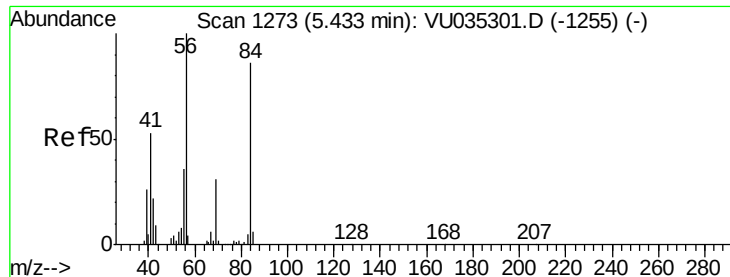
Tgt Ion: 83 Resp: 840474
Ion Ratio Lower Upper
83 100
85 64.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 102.211 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

Tgt Ion: 62 Resp: 661510
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6

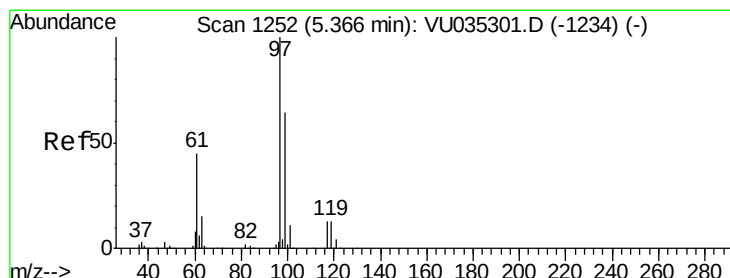
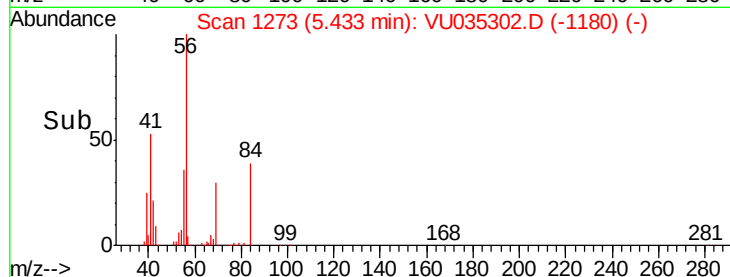
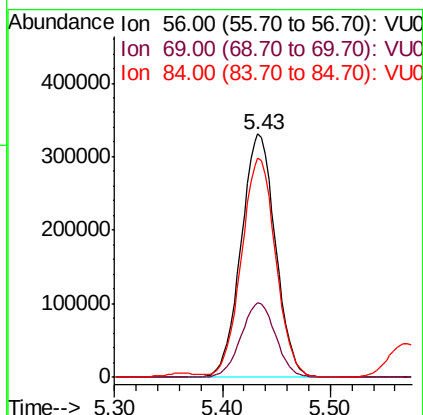
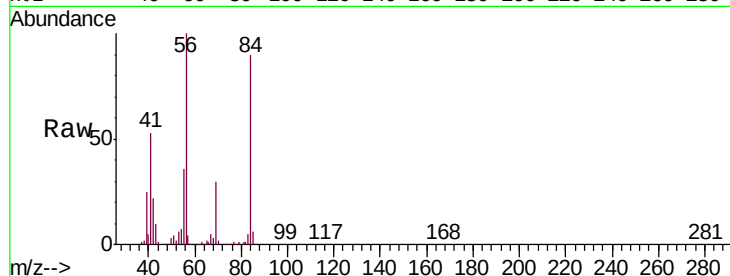




#29
Cyclohexane
Concen: 100.867 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

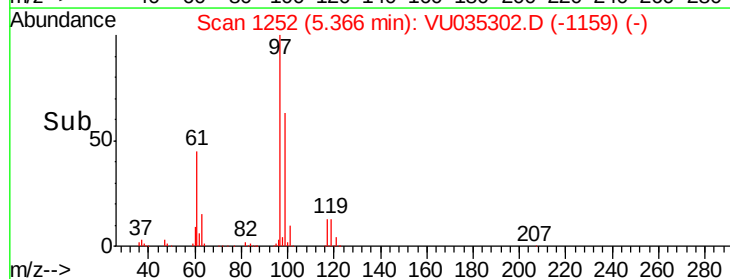
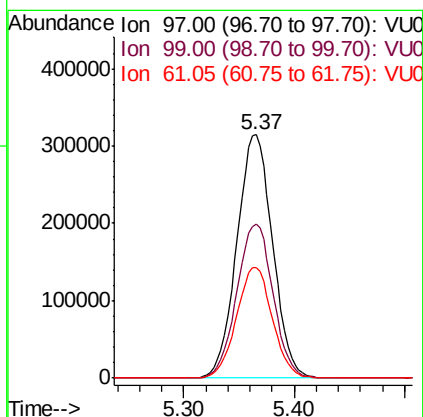
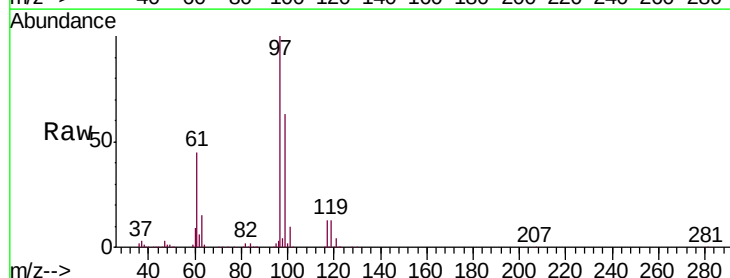
Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

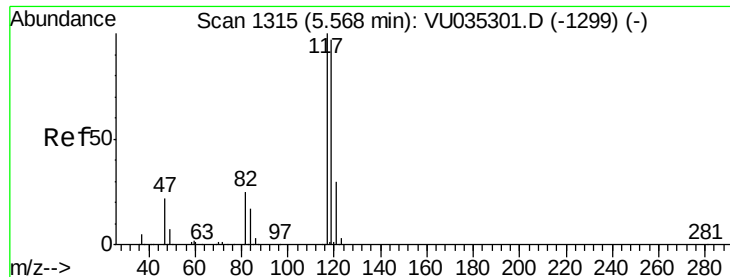
Tgt Ion: 56 Resp: 732272
Ion Ratio Lower Upper
56 100
69 31.0 24.2 36.4
84 89.7 71.1 106.7



#30
1,1,1-Trichloroethane
Concen: 99.795 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

Tgt Ion: 97 Resp: 707782
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 45.3 36.6 54.8

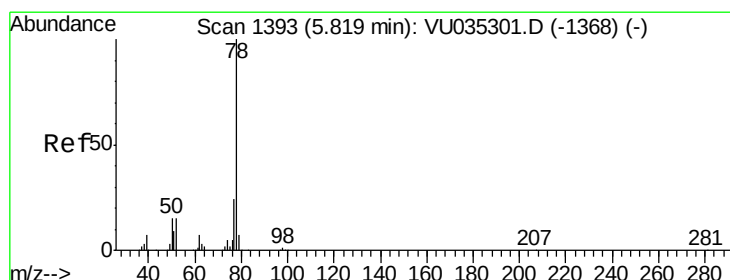
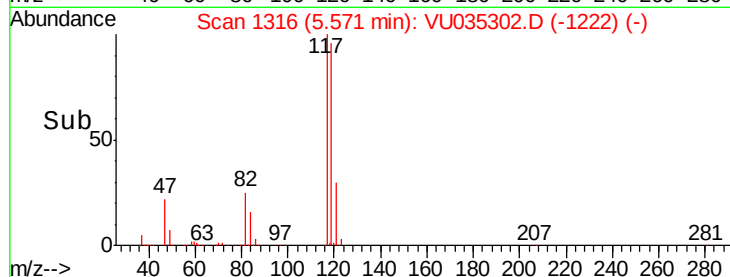
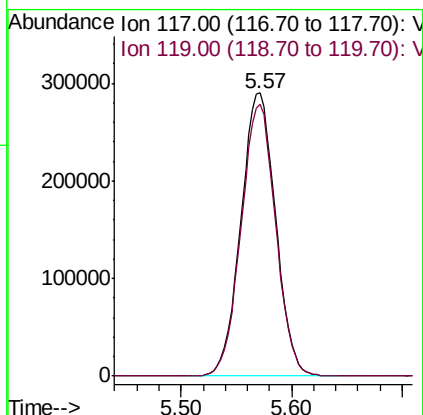
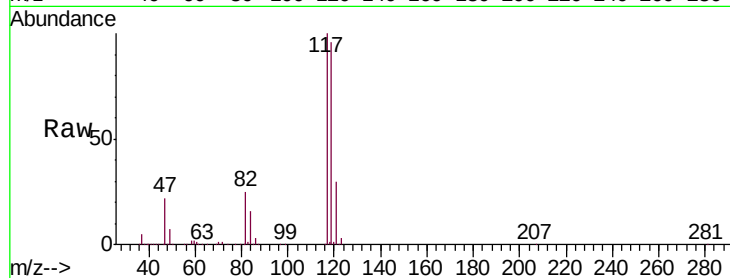




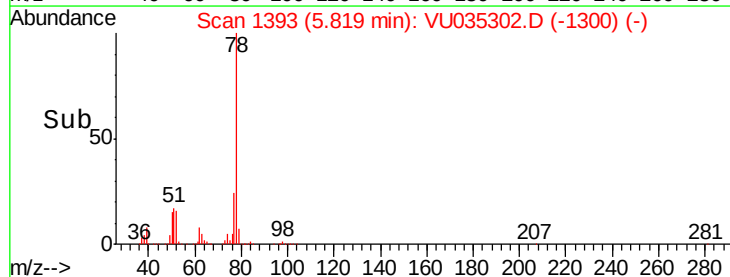
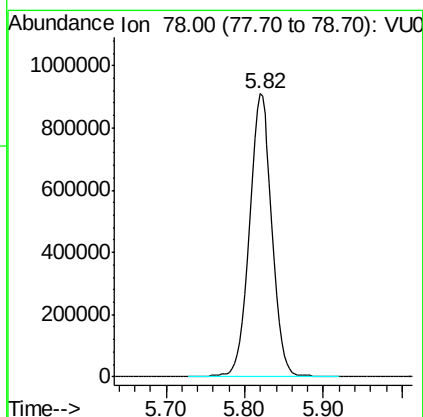
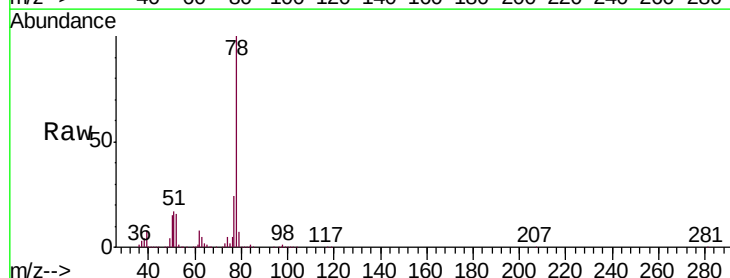
#31
Carbon tetrachloride
Concen: 101.783 ug/L
RT: 5.57 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

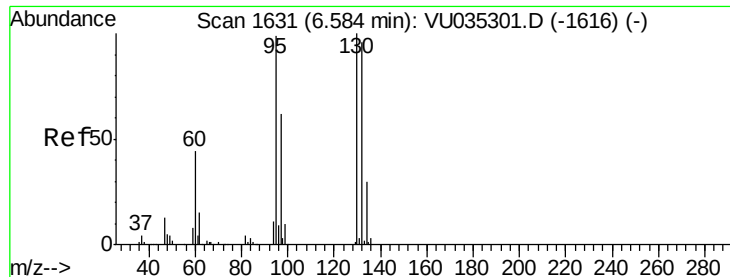
Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

Tgt Ion:117 Resp: 632253
Ion Ratio Lower Upper
117 100
119 95.6 77.7 116.5



#33
Benzene
Concen: 100.133 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01
Tgt Ion: 78 Resp: 1847679

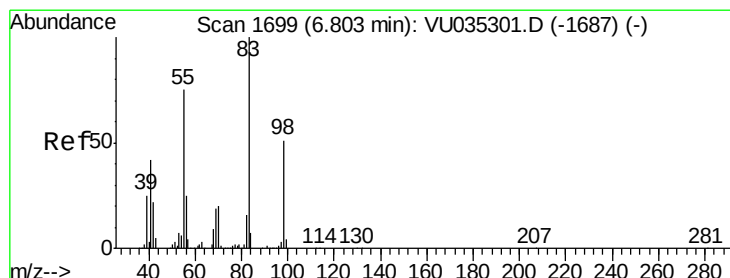
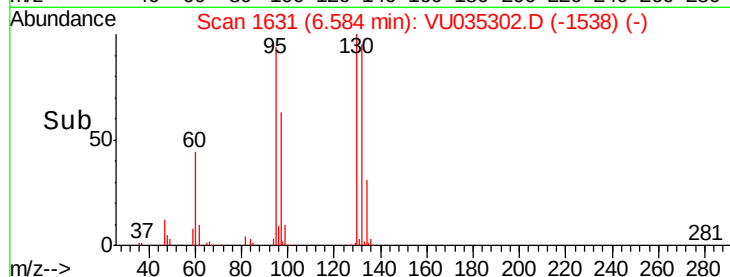
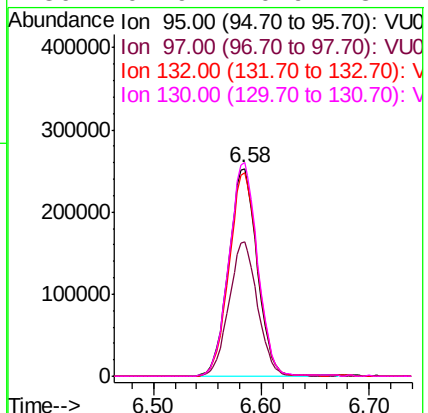
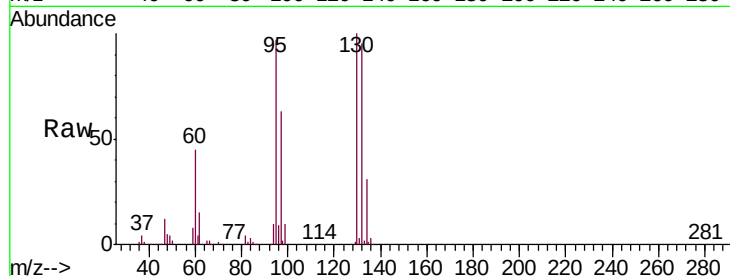




#34
 Trichloroethene
 Concen: 98.995 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

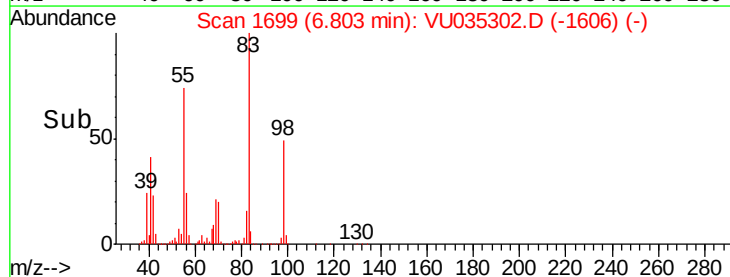
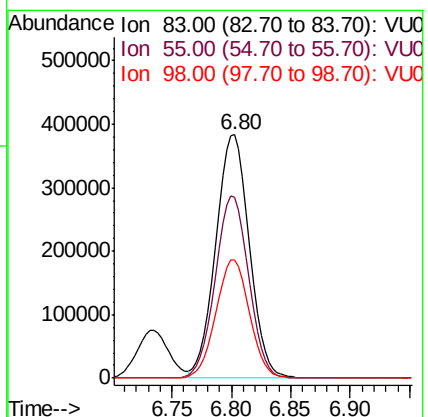
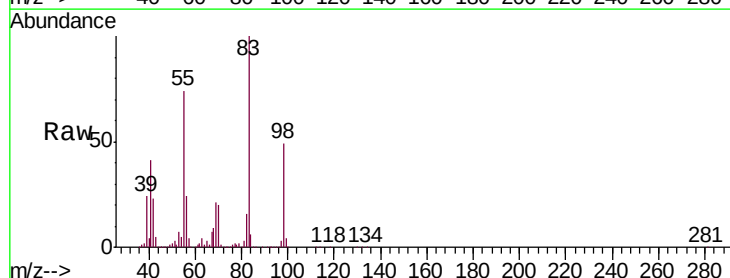
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

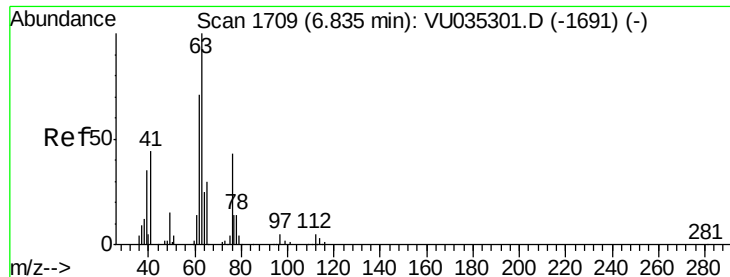
Tgt Ion	Resp	Lower	Upper
95	467827		
97	64.6	44.2	82.2
132	97.8	67.8	125.8
130	102.9	70.9	131.7



#35
 Methylcyclohexane
 Concen: 102.850 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Tgt Ion	Resp	Lower	Upper
83	747444		
55	74.8	59.5	89.3
98	48.9	39.9	59.9

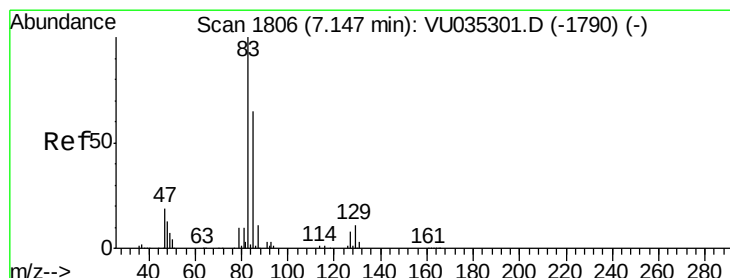
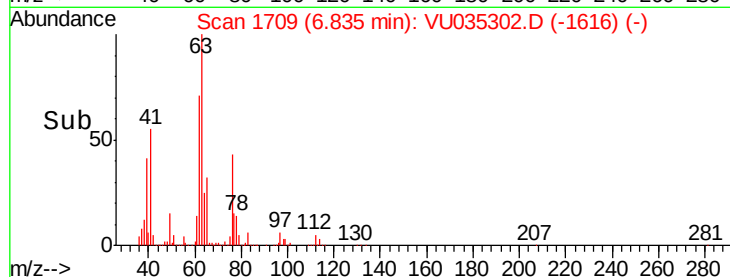
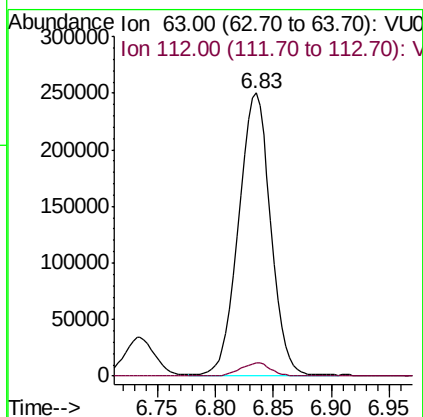
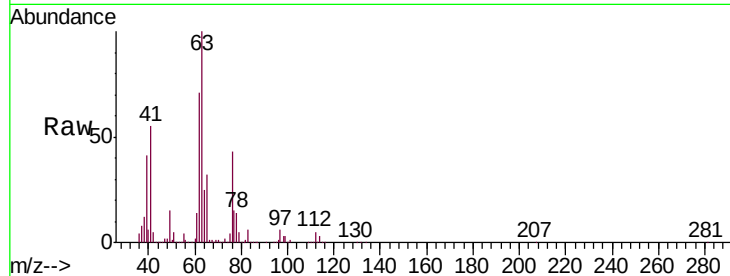




#37
 1,2-Dichloropropane
 Concen: 99.900 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

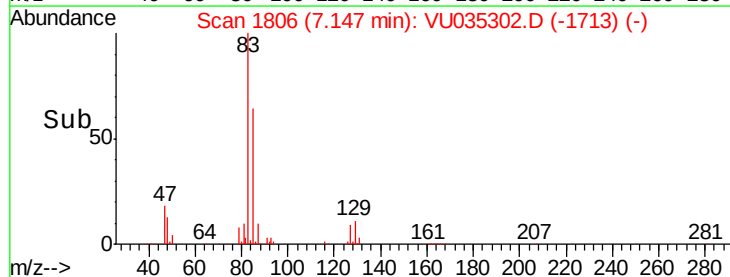
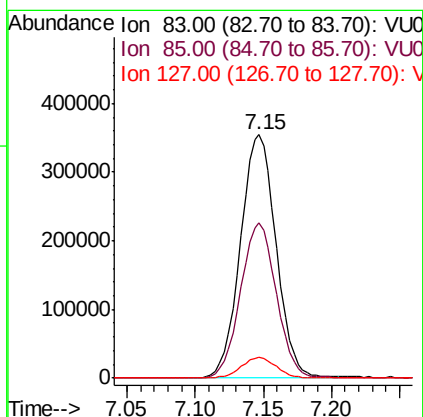
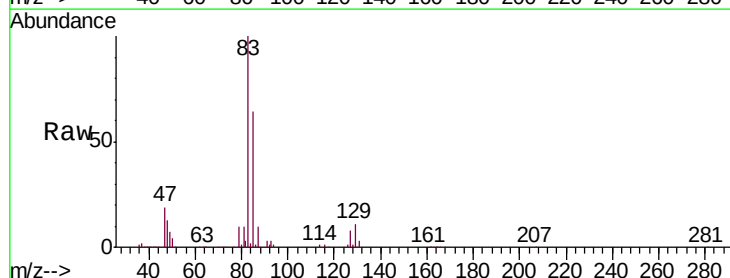
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10031

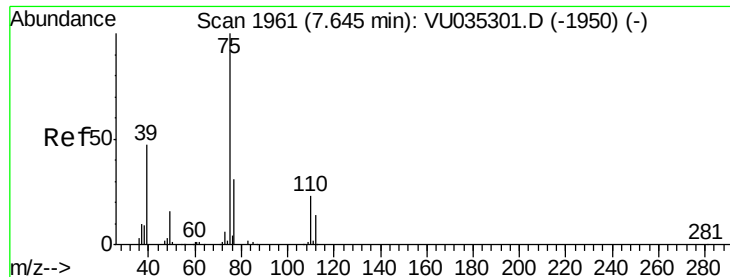
Tgt Ion: 63 Resp: 477580
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 101.330 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Tgt Ion: 83 Resp: 642444
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.3 84.1
 127 8.5 6.6 10.0

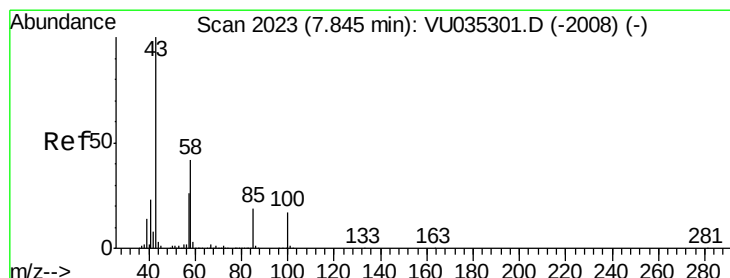
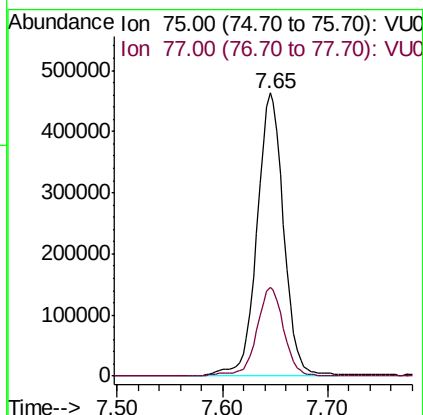
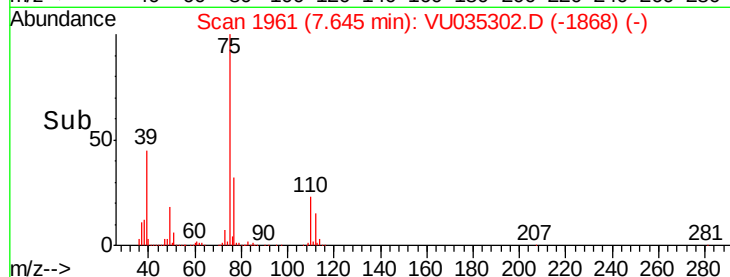
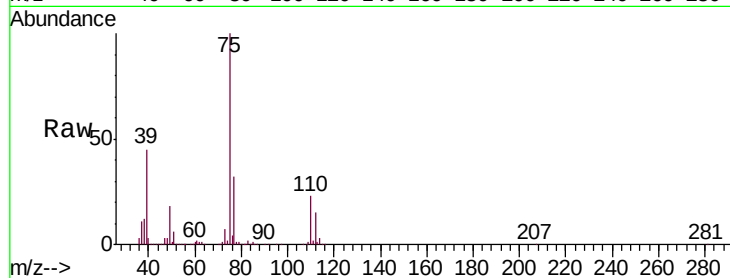




#39
 cis-1,3-Dichloropropene
 Concen: 105.839 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

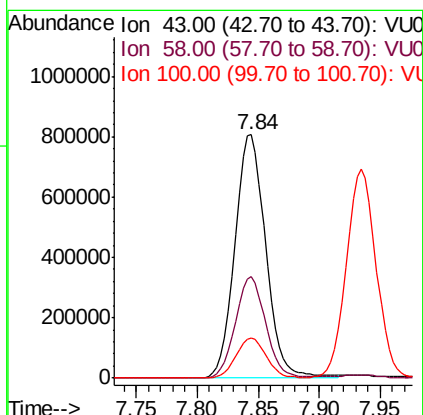
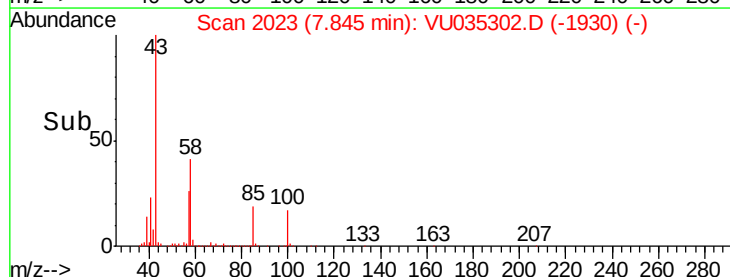
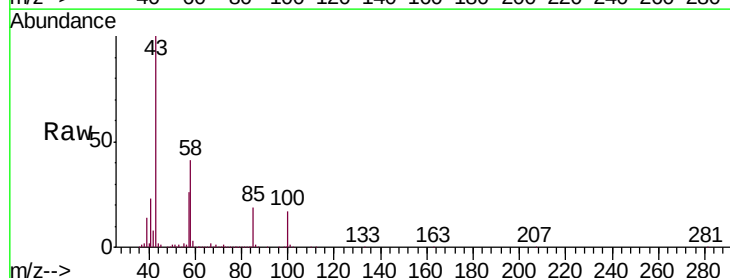
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

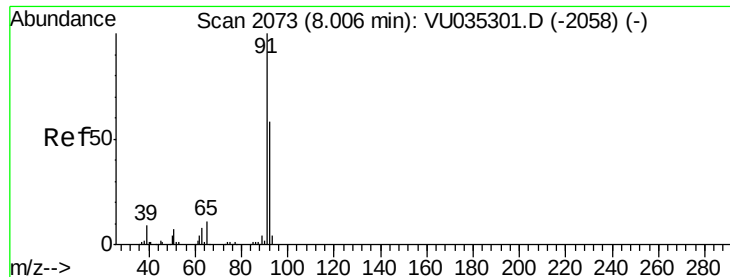
Tgt Ion: 75 Resp: 818373
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 209.805 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Tgt Ion: 43 Resp: 1414441
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.1 49.7
 100 16.3 13.2 19.8





#42

Toluene

Concen: 100.861 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

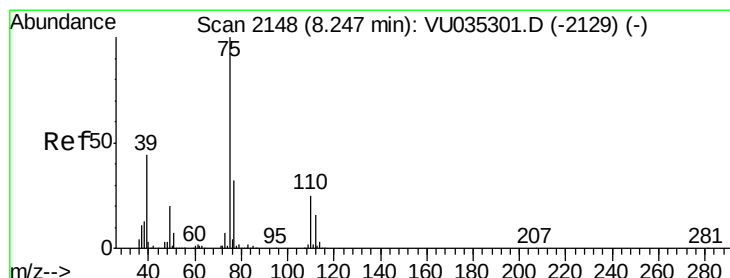
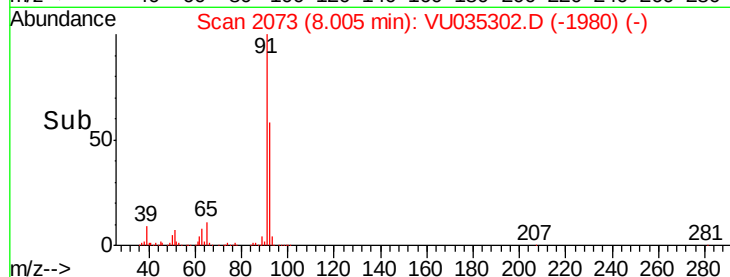
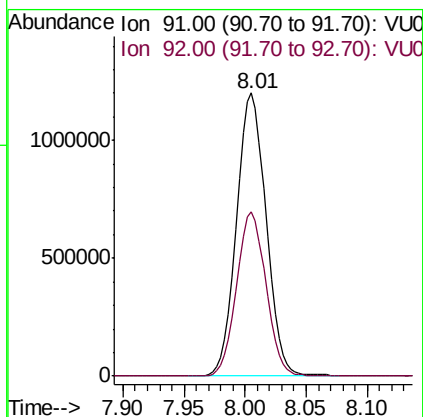
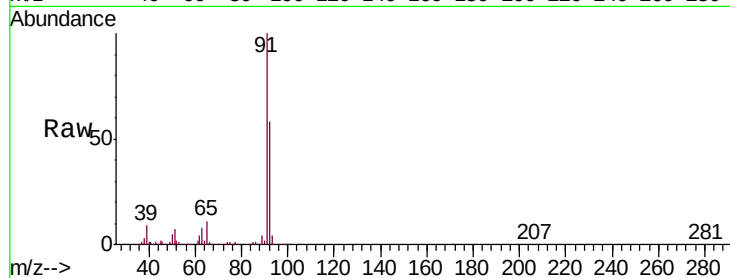
VSTD10031

Tgt Ion: 91 Resp: 2013474

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 103.826 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035302.D

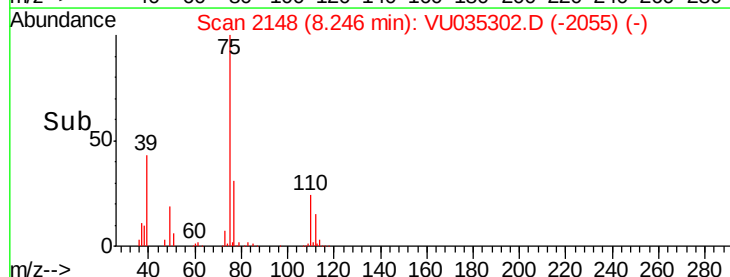
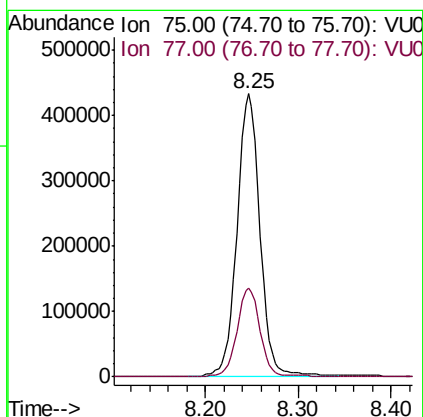
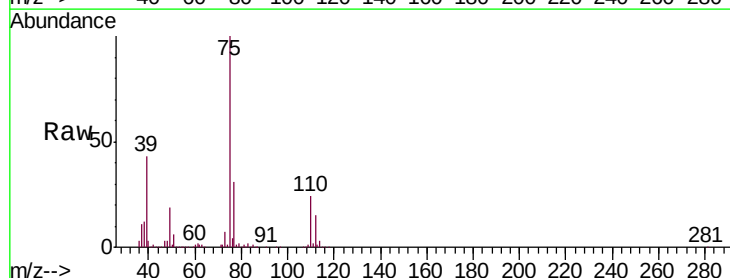
Acq: 19 Oct 2019 08:01

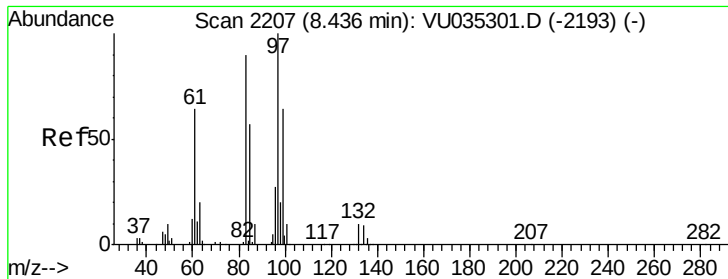
Tgt Ion: 75 Resp: 748377

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9

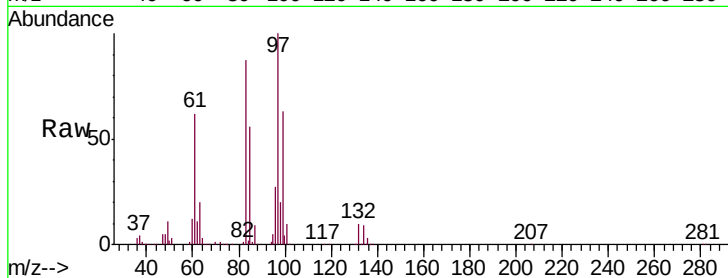




#45
 1,1,2-Trichloroethane
 Concen: 99.857 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

Tgt Ion:	97	Resp:	462343
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.5	82.7
83	87.1	63.0	117.0
85	56.0	39.7	73.7



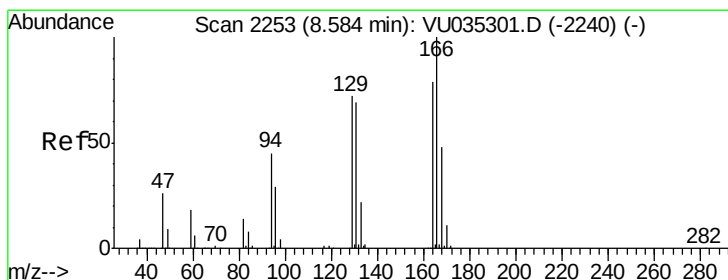
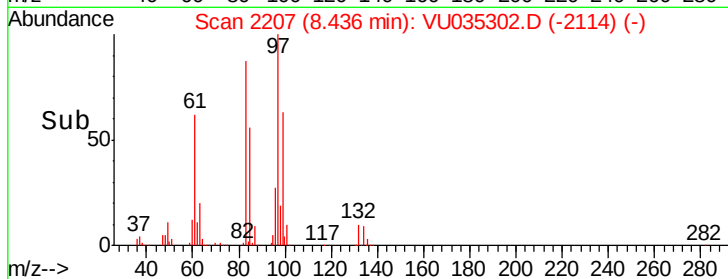
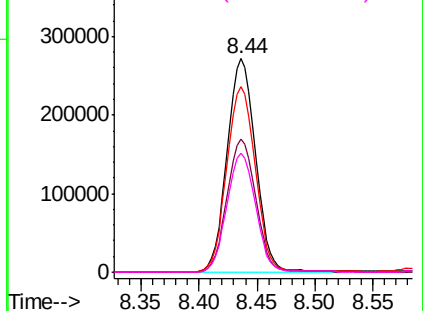
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

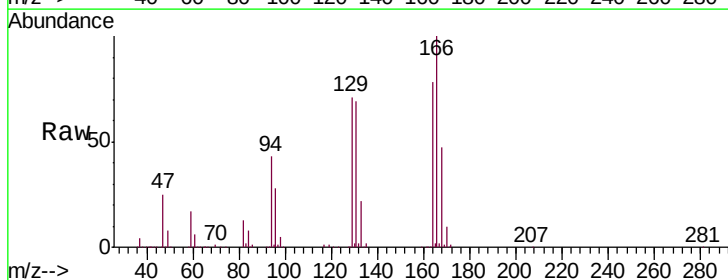
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 101.210 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Tgt Ion:	164	Resp:	384440
Ion	Ratio	Lower	Upper
164	100		
129	90.9	64.0	119.0
131	88.6	61.8	114.8
166	128.7	89.2	165.6



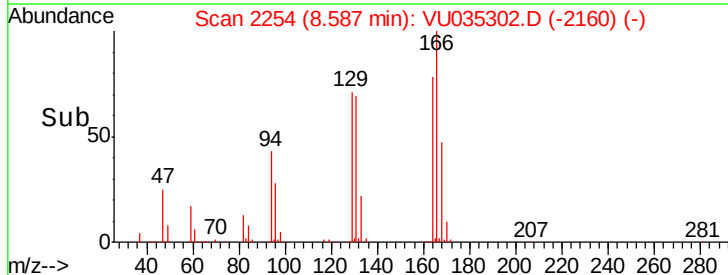
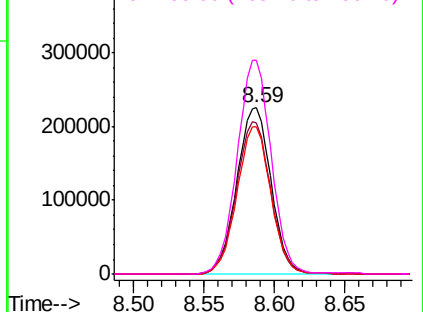
Abundance

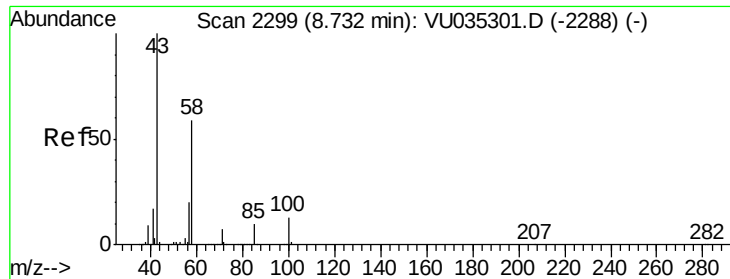
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

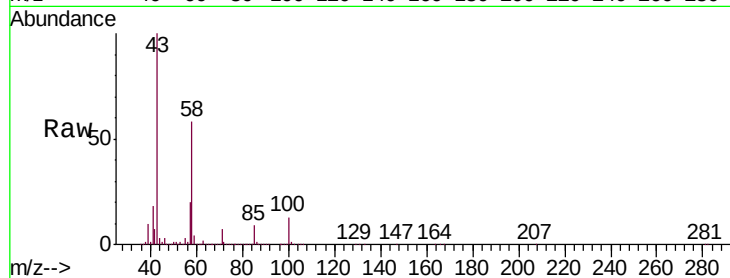




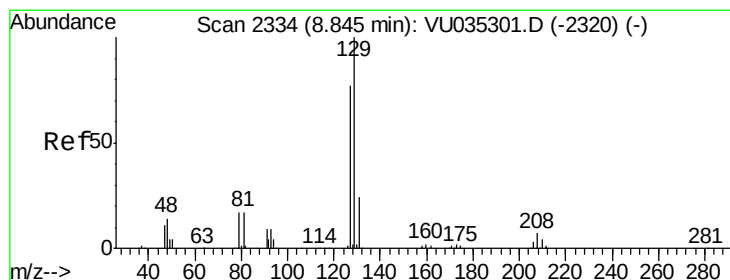
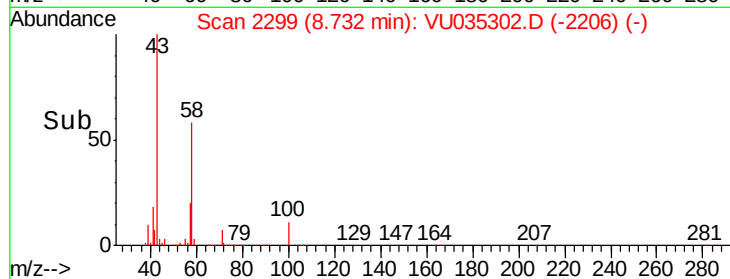
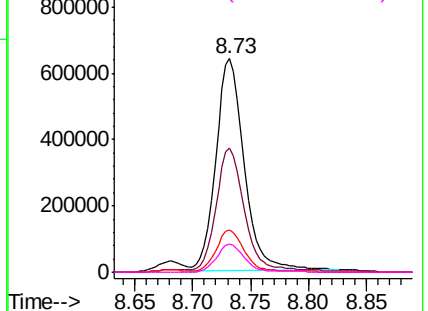
#48
2-Hexanone
Concen: 195.797 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

Tgt Ion: 43 Resp: 1093876
Ion Ratio Lower Upper
43 100
58 60.4 42.7 64.1
57 19.7 14.8 22.2
100 13.1 9.9 14.9

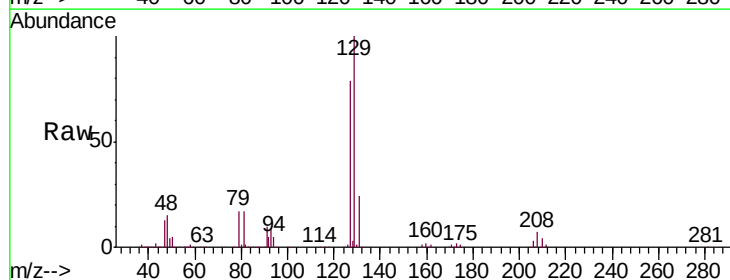


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

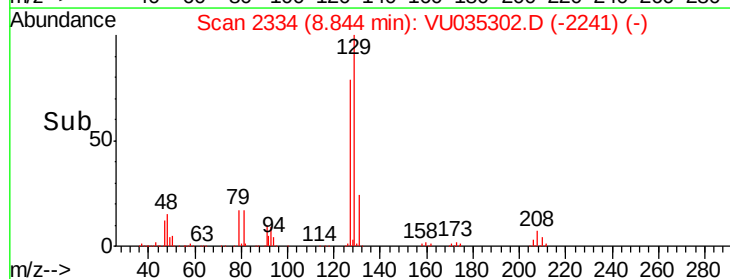
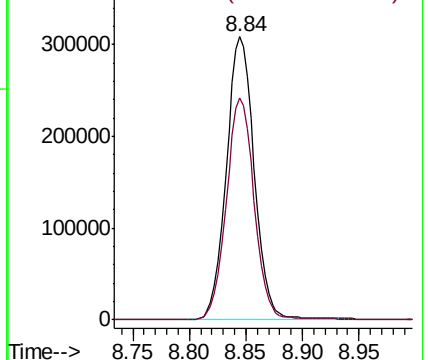


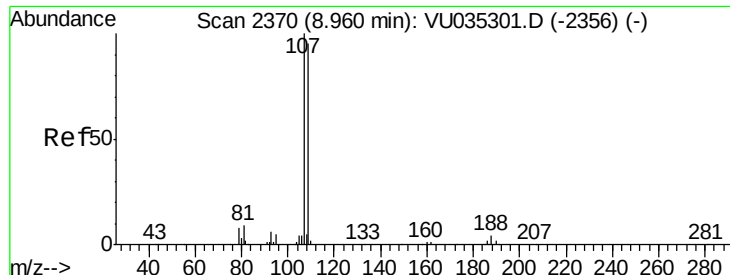
#49
Dibromochloromethane
Concen: 101.613 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

Tgt Ion: 129 Resp: 531292
Ion Ratio Lower Upper
129 100
127 78.6 54.0 100.4



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

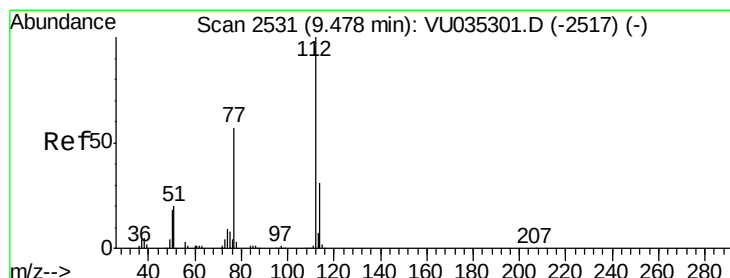
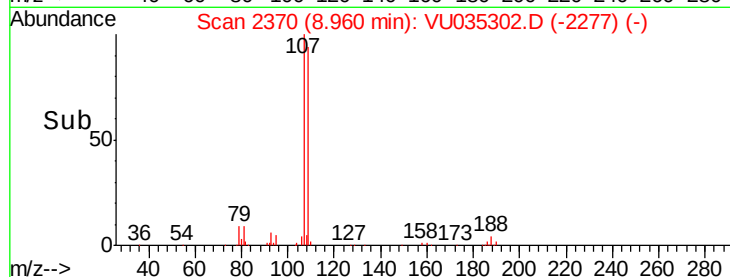
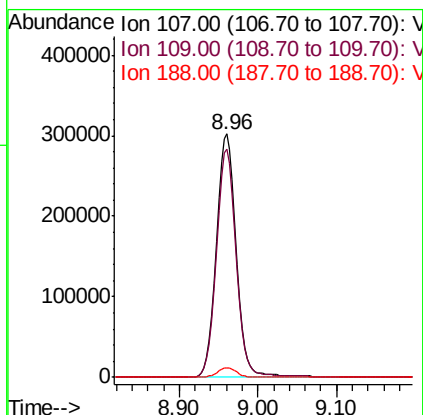
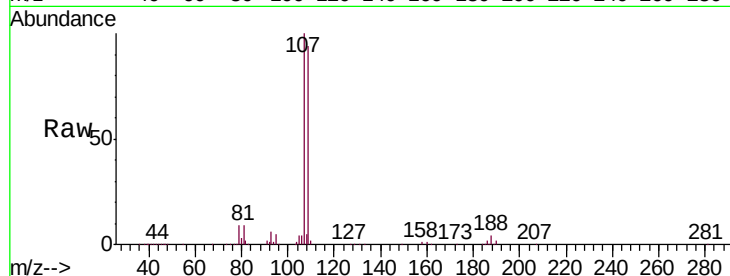




#50
 1,2-Dibromoethane
 Concen: 102.083 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

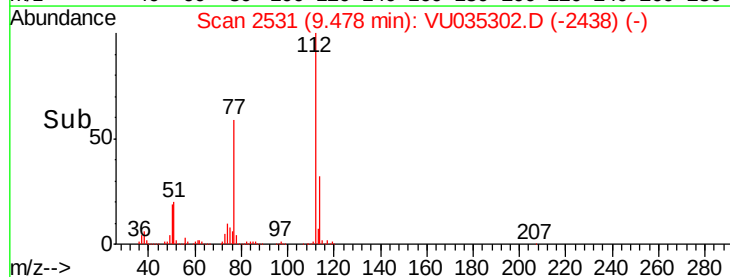
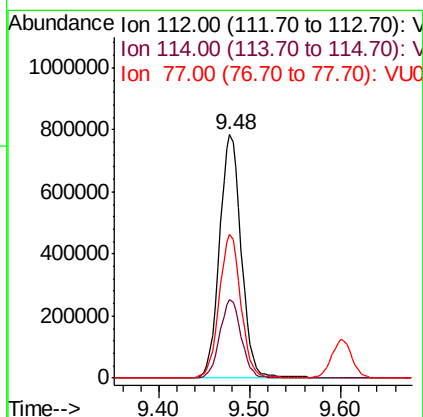
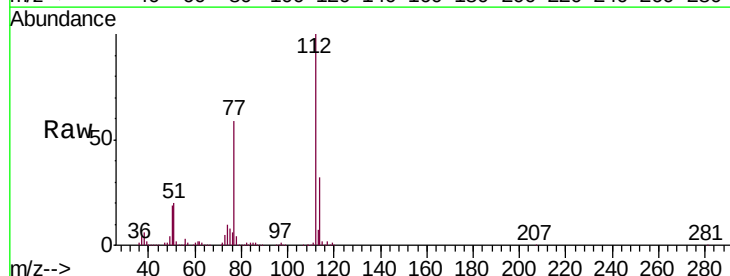
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

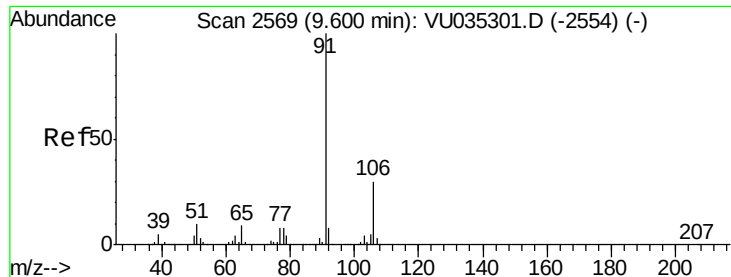
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	66.8	124.2
188	3.9	3.4	5.2



#51
 Chlorobenzene
 Concen: 101.367 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.9	40.7
77	59.0	46.2	69.2

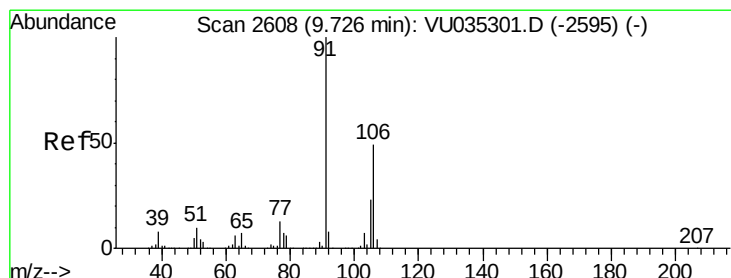
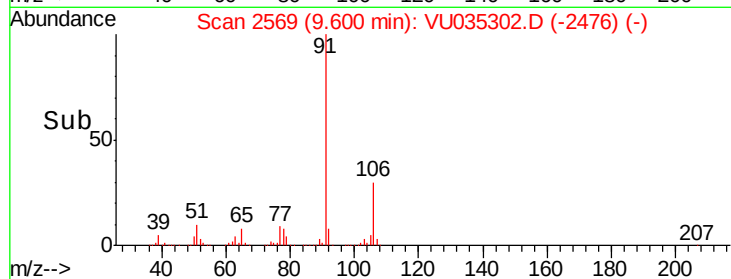
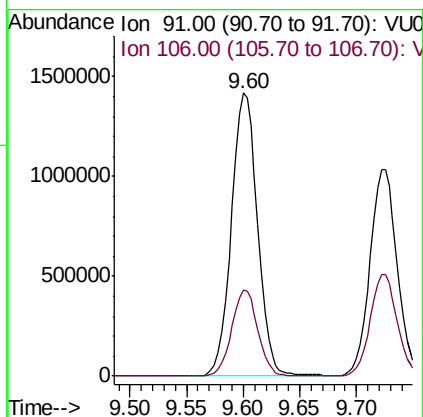
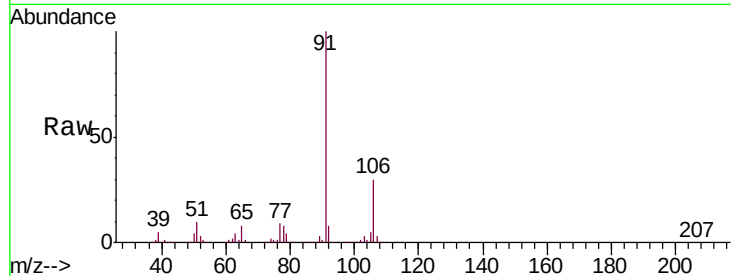




#52
Ethylbenzene
Concen: 103.512 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

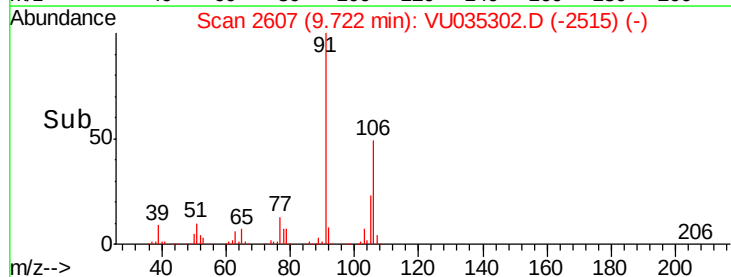
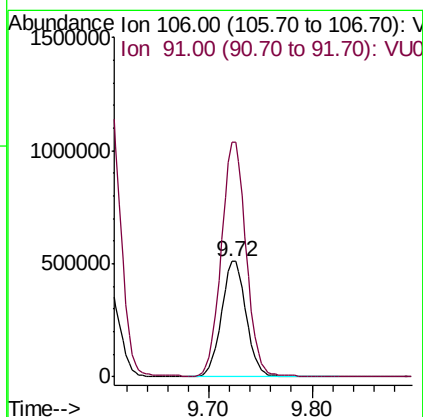
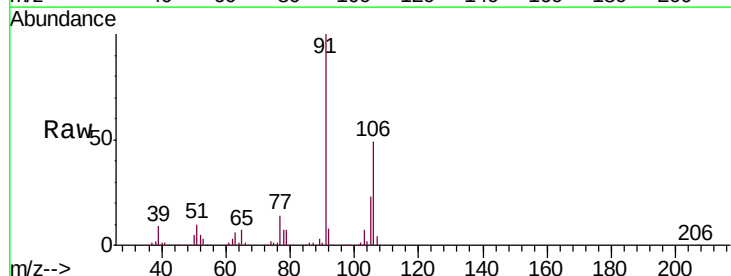
Instrument :
MSVOA_U
ClientSampleId :
VSTD10031

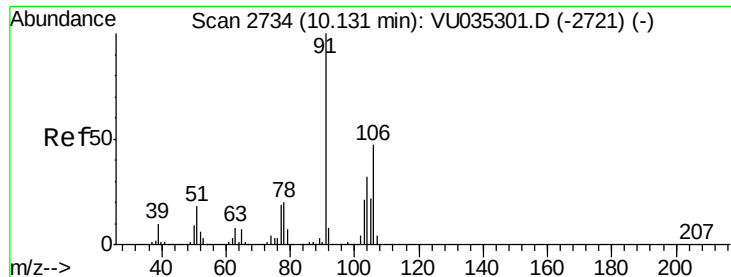
Tgt Ion: 91 Resp: 2283558
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.6



#53
m,p-Xylene
Concen: 105.172 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035302.D
Acq: 19 Oct 2019 08:01

Tgt Ion: 106 Resp: 851710
Ion Ratio Lower Upper
106 100
91 203.6 141.5 262.9





#54

o-xylene

Concen: 102.646 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

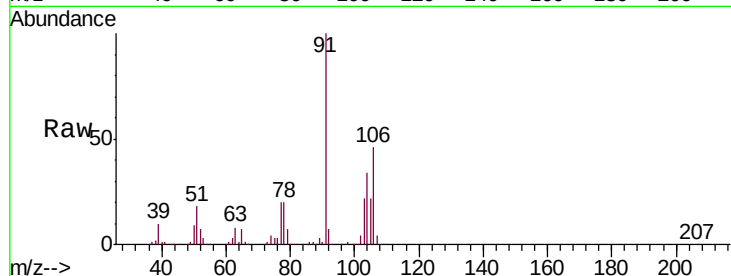
VSTD10031

Tgt Ion:106 Resp: 842620

Ion Ratio Lower Upper

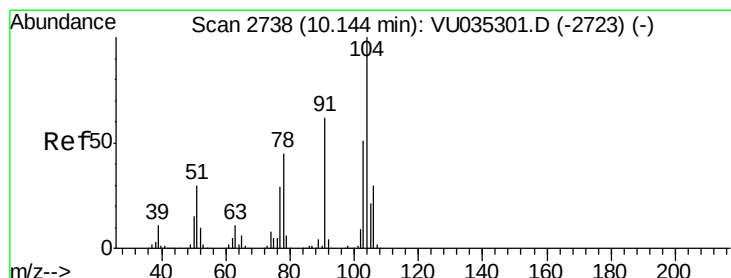
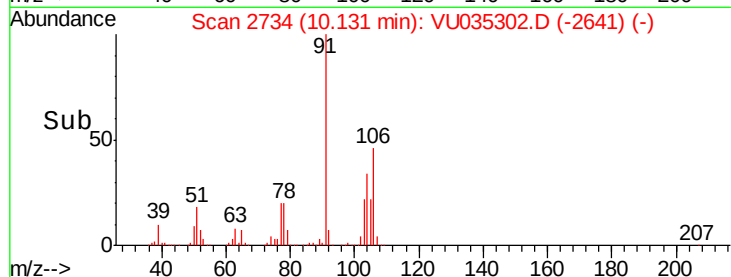
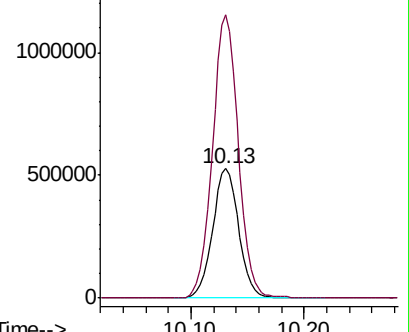
106 100

91 218.3 150.6 279.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 106.088 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035302.D

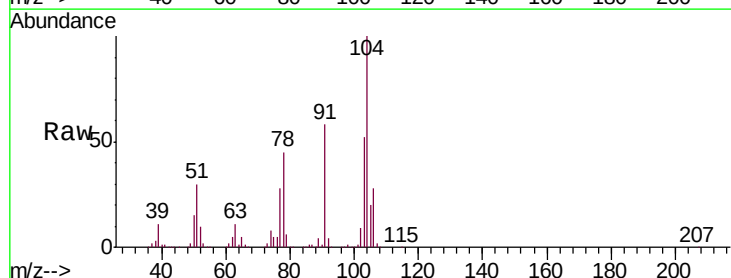
Acq: 19 Oct 2019 08:01

Tgt Ion:104 Resp: 1446480

Ion Ratio Lower Upper

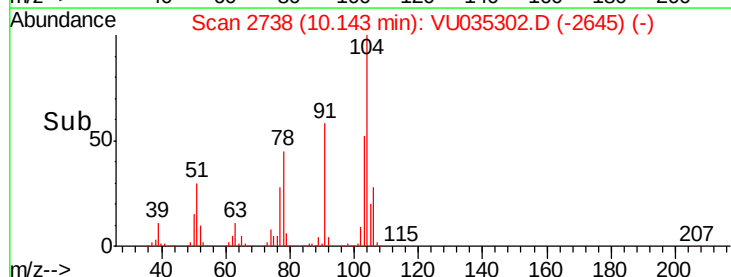
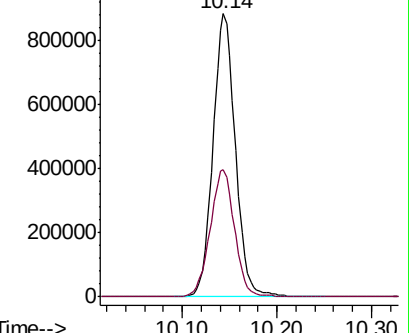
104 100

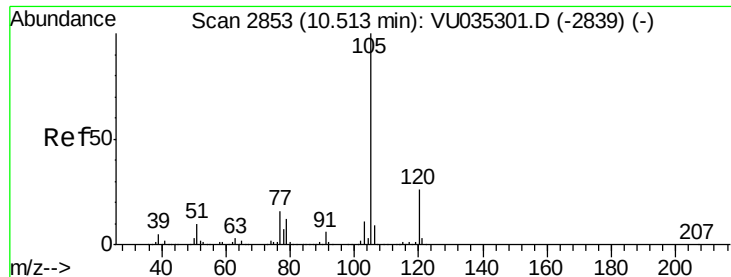
78 45.1 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 105.322 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10031

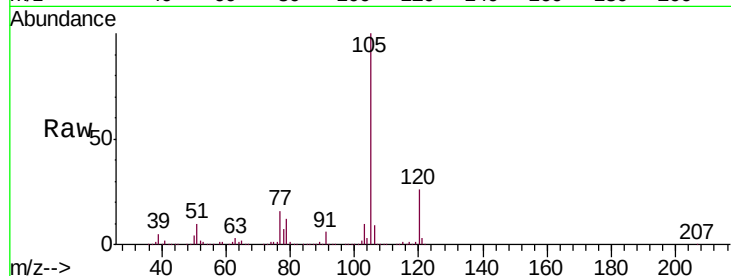
Tgt Ion:105 Resp: 2216891

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

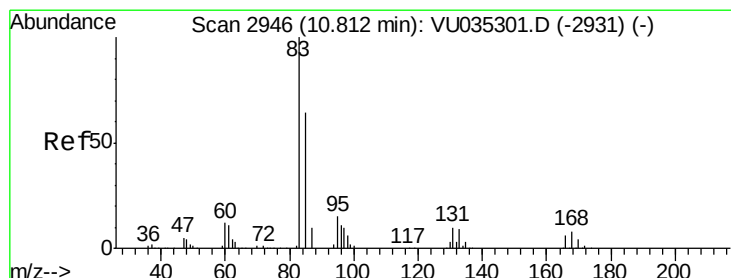
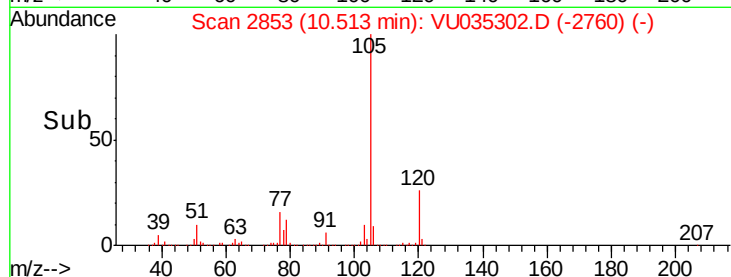
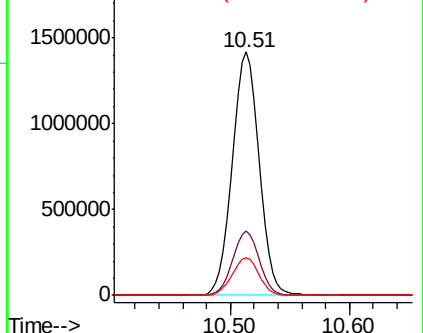
77 15.6 12.7 19.1



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: 102.151 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

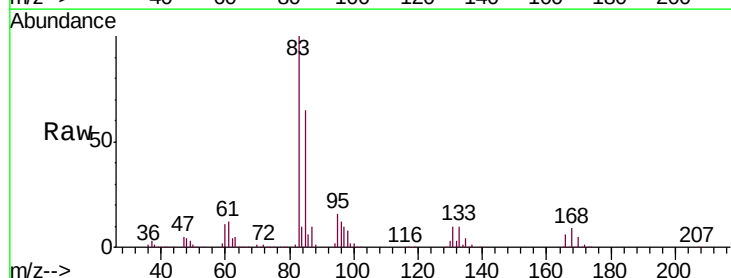
Tgt Ion: 83 Resp: 829349

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

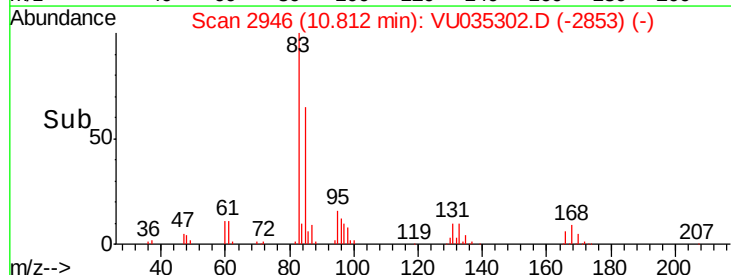
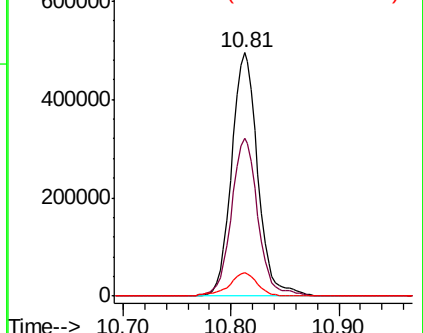
131 9.5 7.8 11.6

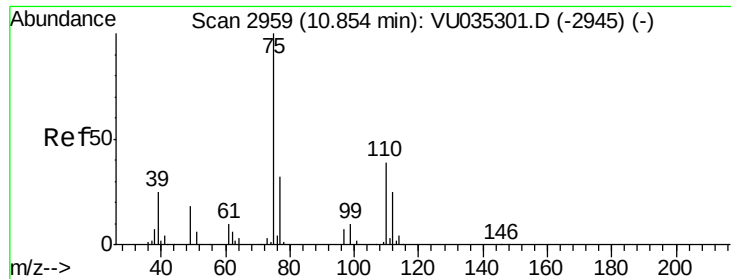


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V

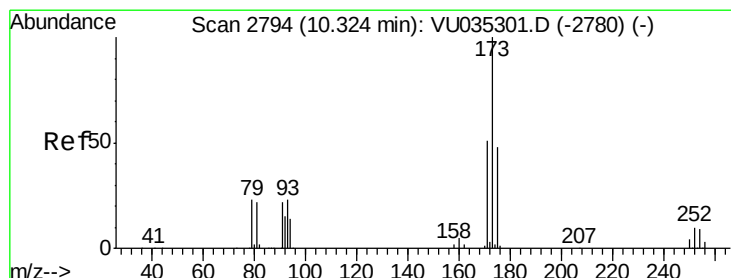
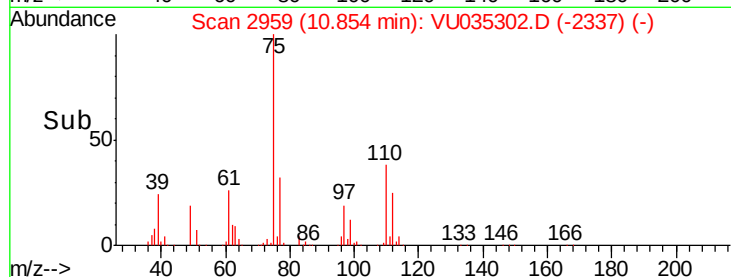
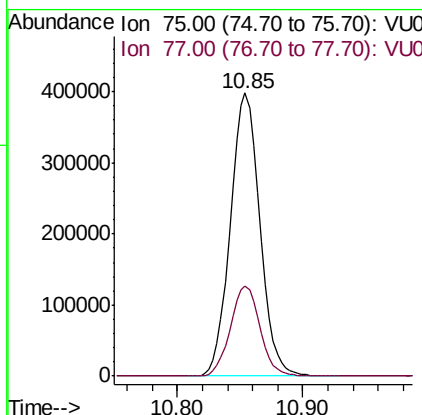
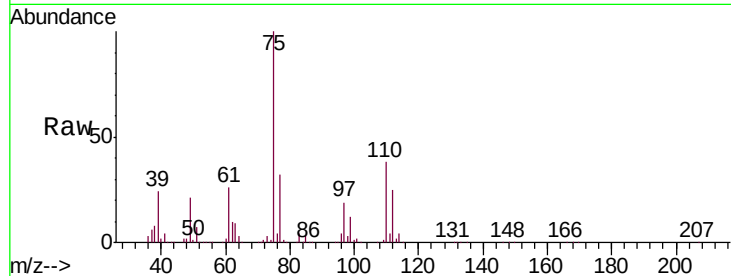




#59
 1,2,3-Trichloropropane
 Concen: 102.462 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

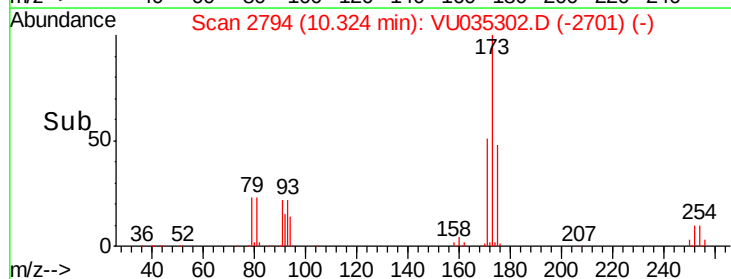
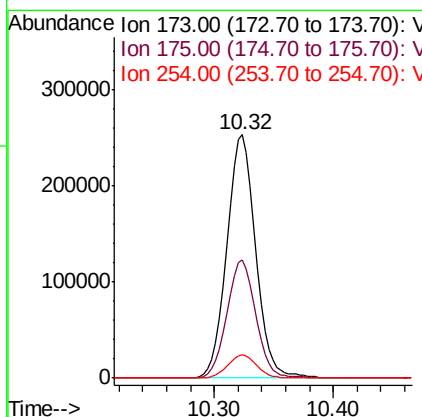
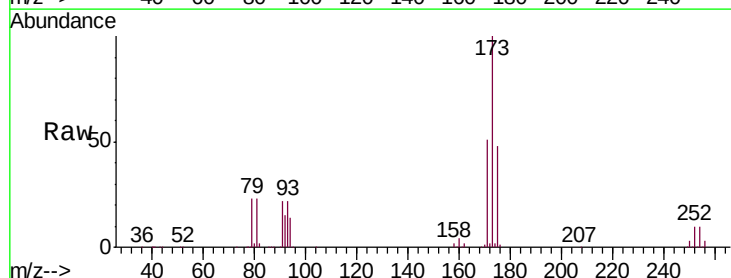
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

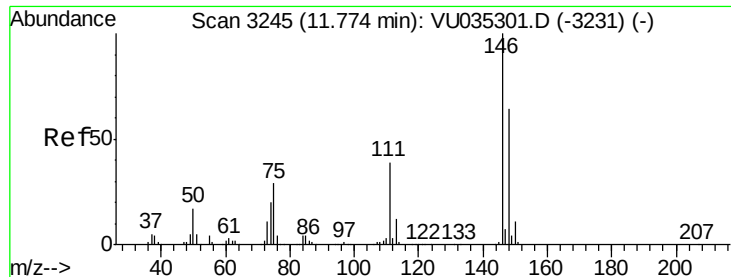
Tgt Ion: 75 Resp: 649989
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2



#61
 Bromoform
 Concen: 97.625 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Tgt Ion: 173 Resp: 424995
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.9 58.3
 254 9.6 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 100.098 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10031

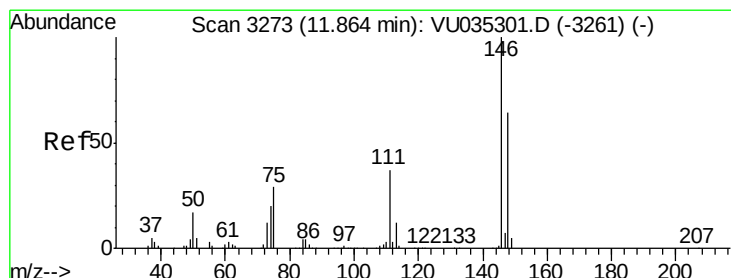
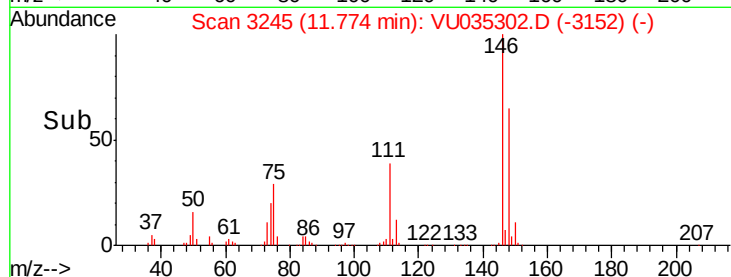
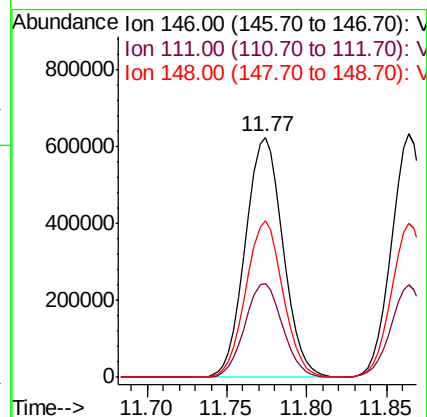
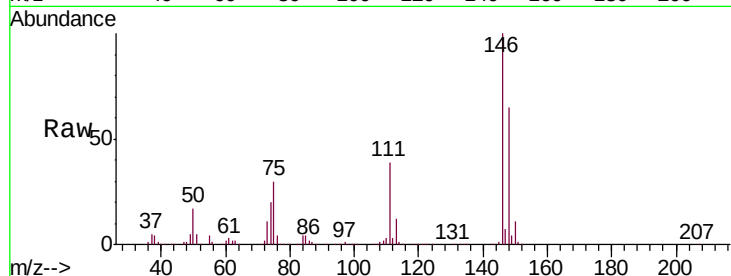
Tgt Ion:146 Resp: 1001476

Ion Ratio Lower Upper

146 100

111 39.2 27.3 50.7

148 65.1 44.8 83.2



#63

1,4-Dichlorobenzene

Concen: 101.478 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

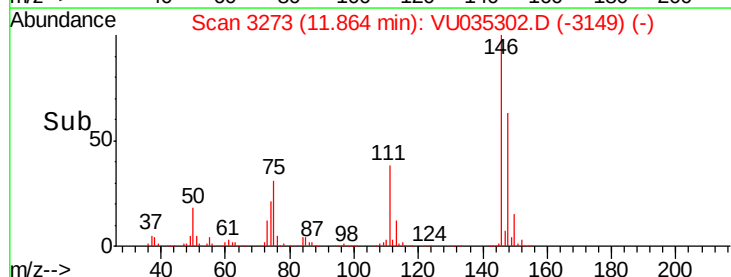
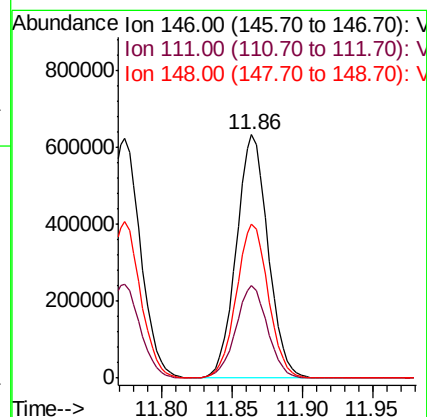
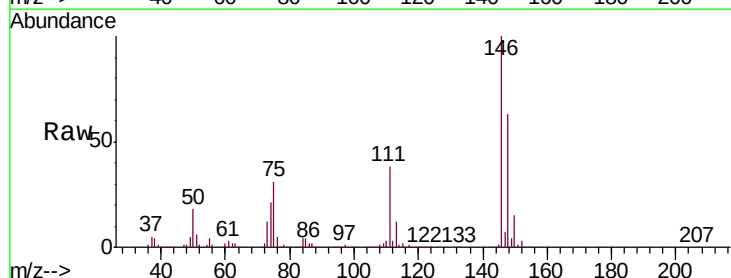
Tgt Ion:146 Resp: 995841

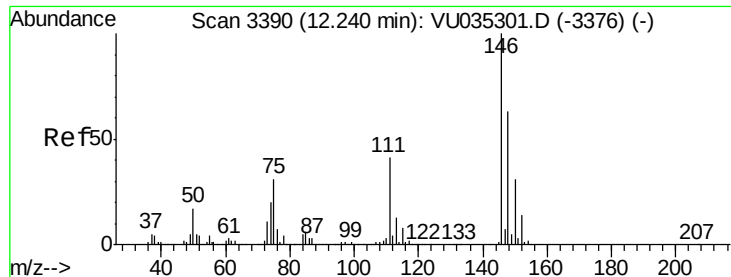
Ion Ratio Lower Upper

146 100

111 37.8 26.2 48.8

148 63.3 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 99.524 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD10031

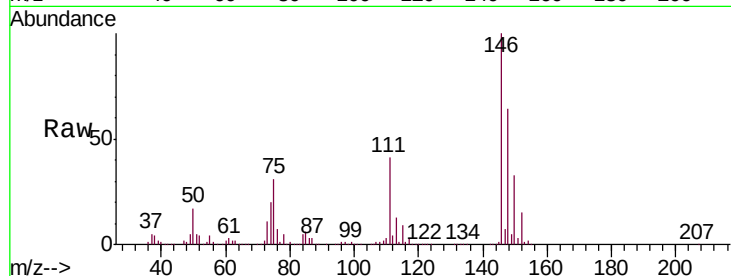
Tgt Ion:146 Resp: 994006

Ion Ratio Lower Upper

146 100

111 40.9 32.8 49.2

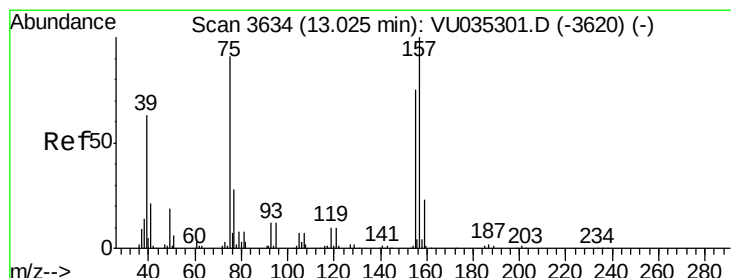
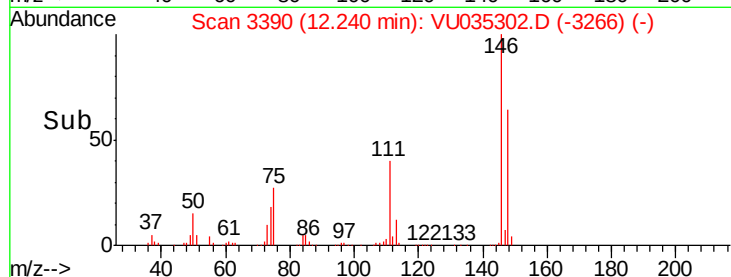
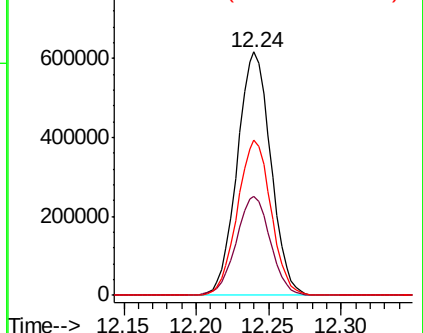
148 63.6 50.2 75.4



Abundance Ion 146.00 (145.70 to 146.70): 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: 104.497 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

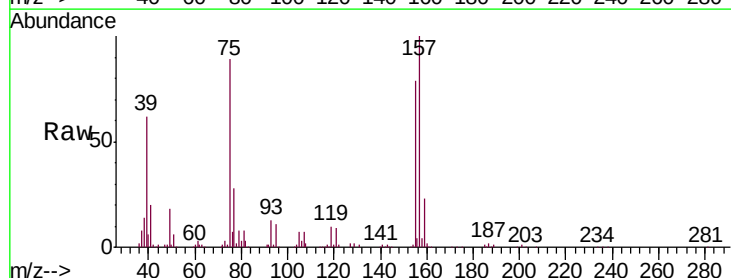
Tgt Ion: 75 Resp: 165544

Ion Ratio Lower Upper

75 100

155 88.1 66.2 99.2

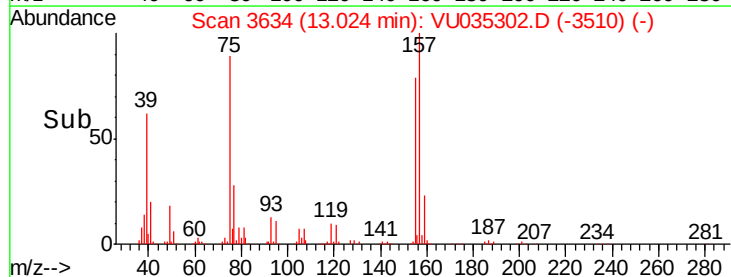
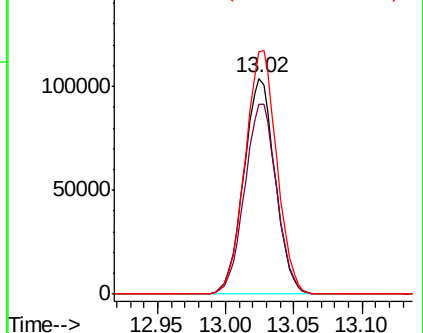
157 112.1 88.2 132.2

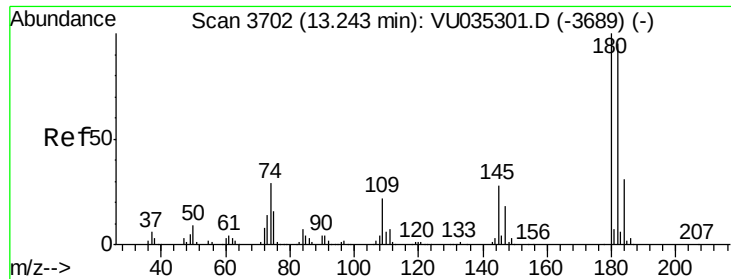


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

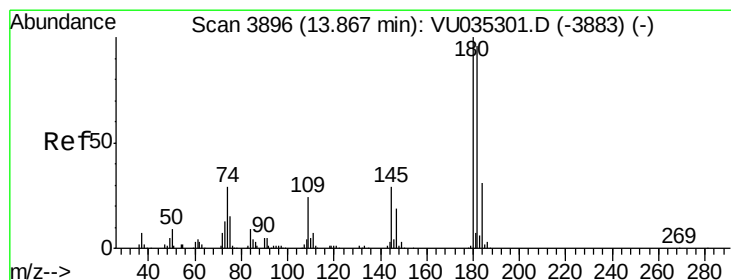
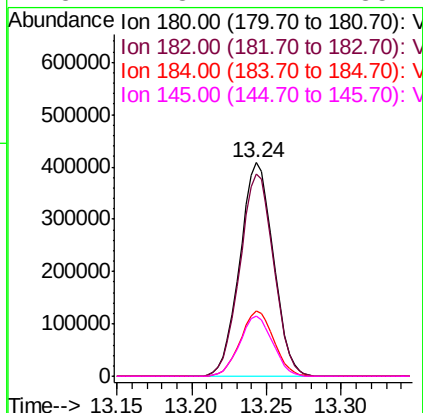
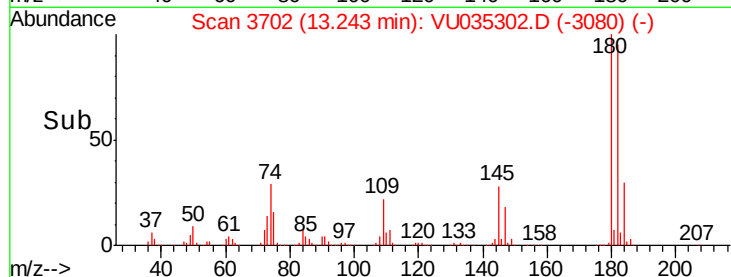
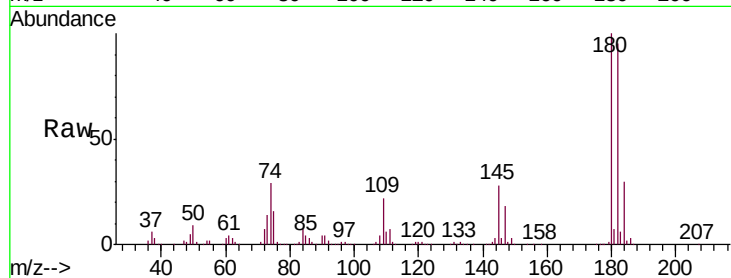




#67
 1,3,5-Trichlorobenzene
 Concen: 112.608 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

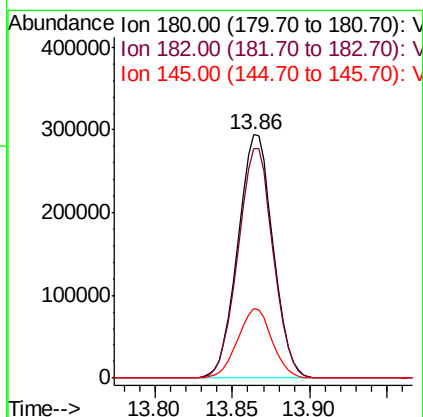
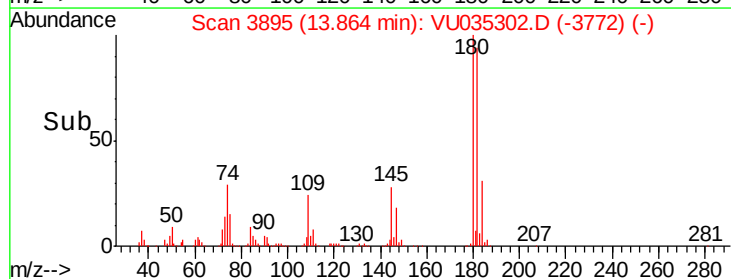
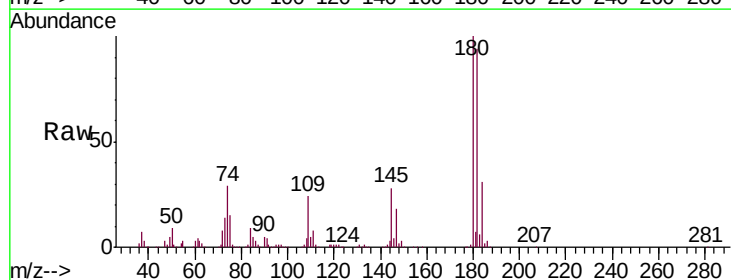
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

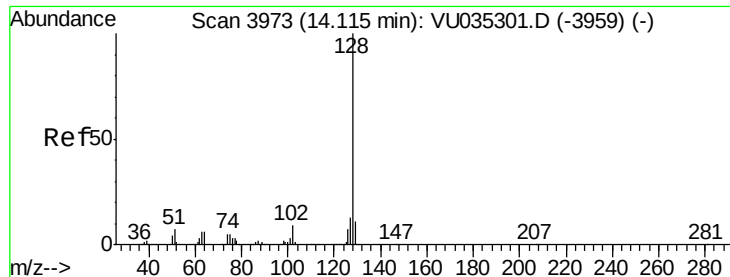
Tgt Ion:	180	Resp:	637553
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	30.3	24.5	36.7
145	27.8	22.2	33.4



#68
 1,2,4-trichlorobenzene
 Concen: 129.267 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035302.D
 Acq: 19 Oct 2019 08:01

Tgt Ion:	180	Resp:	465289
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
145	27.9	22.8	34.2





#69

Naphthalene

Concen: 144.296 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

Instrument :

MSVOA_U

ClientSampled :

VSTD10031

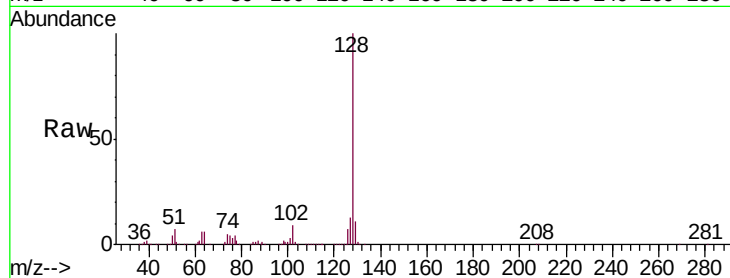
Tgt Ion:128 Resp: 1297155

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

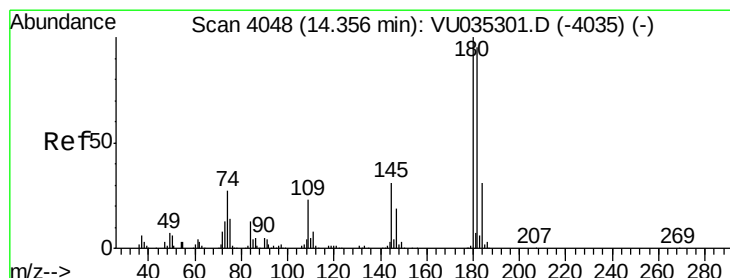
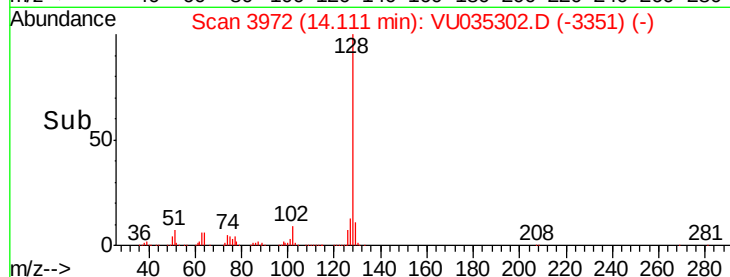
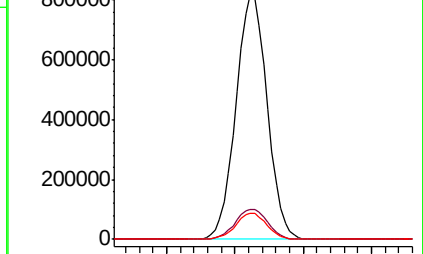
129 10.7 8.6 13.0



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: 121.455 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035302.D

Acq: 19 Oct 2019 08:01

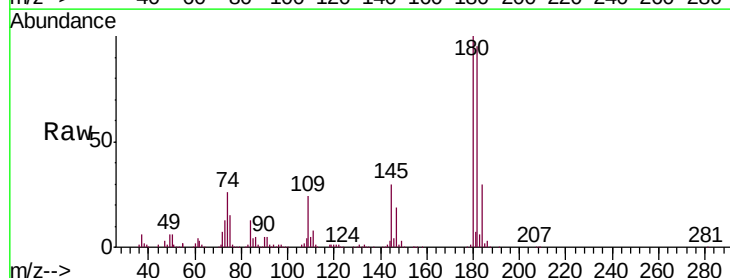
Tgt Ion:180 Resp: 461370

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 29.9 24.2 36.4



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

