

Data File : VU031461.D
Acq On : 24 Apr 2019 11:08
Operator : JC/SP
Sample : VSTD01007
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01007

Quant Time: Apr 25 05:50:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 05:46:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	379913	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	365788	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	169897	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	312177	7.71	ug/L	0.00
7) Chloroethane-d5	1.68	69	242128	7.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	586960	7.43	ug/L	0.00
20) 2-Butanone-d5	4.21	46	897988	109.00	ug/L	0.00
24) Chloroform-d	4.64	84	500937	9.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	263853	9.37	ug/L	0.00
32) Benzene-d6	5.33	84	1020186	10.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	334659	10.49	ug/L	0.00
41) Toluene-d8	7.56	98	920864	10.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	129761	10.20	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	689555	115.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	263696	9.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	311392	9.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	332654	8.024 ug/L	99
3) Chloromethane	1.32	50	402591	7.176 ug/L	98
5) Vinyl chloride	1.40	62	400077	7.075 ug/L	96
6) Bromomethane	1.63	94	204305	6.616 ug/L	98
8) Chloroethane	1.70	64	223115	6.891 ug/L	95
9) Trichlorofluoromethane	1.88	101	468541	6.606 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	263938	6.866 ug/L	100
12) 1,1-Dichloroethene	2.28	96	259549	6.763 ug/L	97
13) Acetone	2.35	43	579338	67.633 ug/L	99
14) Carbon disulfide	2.47	76	898591	7.021 ug/L	99
15) Methyl Acetate	2.63	43	161138	6.777 ug/L	99
16) Methylene chloride	2.70	84	289886	6.192 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	760204	7.307 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	285567	7.018 ug/L	97
19) 1,1-Dichloroethane	3.44	63	536563	9.378 ug/L	98
21) 2-Butanone	4.29	43	958223	101.482 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	296506	9.016 ug/L	97
23) Bromochloromethane	4.54	128	129115	8.890 ug/L	99
25) Chloroform	4.67	83	506708	8.752 ug/L	98
27) 1,2-Dichloroethane	5.40	62	328368	8.767 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	422649	8.790 ug/L	98
30) Cyclohexane	4.98	56	528974	10.374 ug/L	99
31) Carbon tetrachloride	5.13	117	363777	8.421 ug/L	99
33) Benzene	5.38	78	1139492	9.290 ug/L	100
34) Trichloroethene	6.18	95	292472	8.758 ug/L	96
35) Methylcyclohexane	6.41	83	467446	10.061 ug/L	96
37) 1,2-Dichloropropane	6.43	63	308682	9.464 ug/L	99
38) Bromodichloromethane	6.75	83	361636	9.060 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	442978	10.182 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	2147790	101.673 ug/L	100

Data File : VU031461.D
Acq On : 24 Apr 2019 11:08
Operator : JC/SP
Sample : VSTD01007
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01007

Quant Time: Apr 25 05:50:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 05:46:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1180364	9.579	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	346126	9.696	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	213071	9.156	ug/L	98
47) Tetrachloroethene	8.22	164	209999	8.552	ug/L	96
48) 2-Hexanone	8.36	43	1561658	104.447	ug/L	99
49) Dibromochloromethane	8.47	129	236891	8.700	ug/L	96
50) 1,2-Dibromoethane	8.58	107	205953	9.397	ug/L #	99
51) Chlorobenzene	9.12	112	700323	9.091	ug/L	96
52) Ethylbenzene	9.25	91	1257986	9.776	ug/L	99
53) m,p-Xylene	9.37	106	460829	10.003	ug/L	98
54) o-Xylene	9.77	106	447721	9.830	ug/L	98
55) Styrene	9.79	104	774790	10.248	ug/L	96
56) Isopropylbenzene	10.16	105	1212772	10.155	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	269428	9.120	ug/L	95
59) 1,2,3-Trichloropropane	10.49	75	190210	8.957	ug/L	100
61) Bromoform	9.95	173	135748	8.470	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	510041	9.205	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	518374	9.276	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	500137	8.958	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	41685	9.122	ug/L	85
67) 1,3,5-Trichlorobenzene	12.88	180	398876	8.837	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	326956	10.031	ug/L	99
69) Naphthalene	13.74	128	644169	9.772	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	318205	9.786	ug/L	100

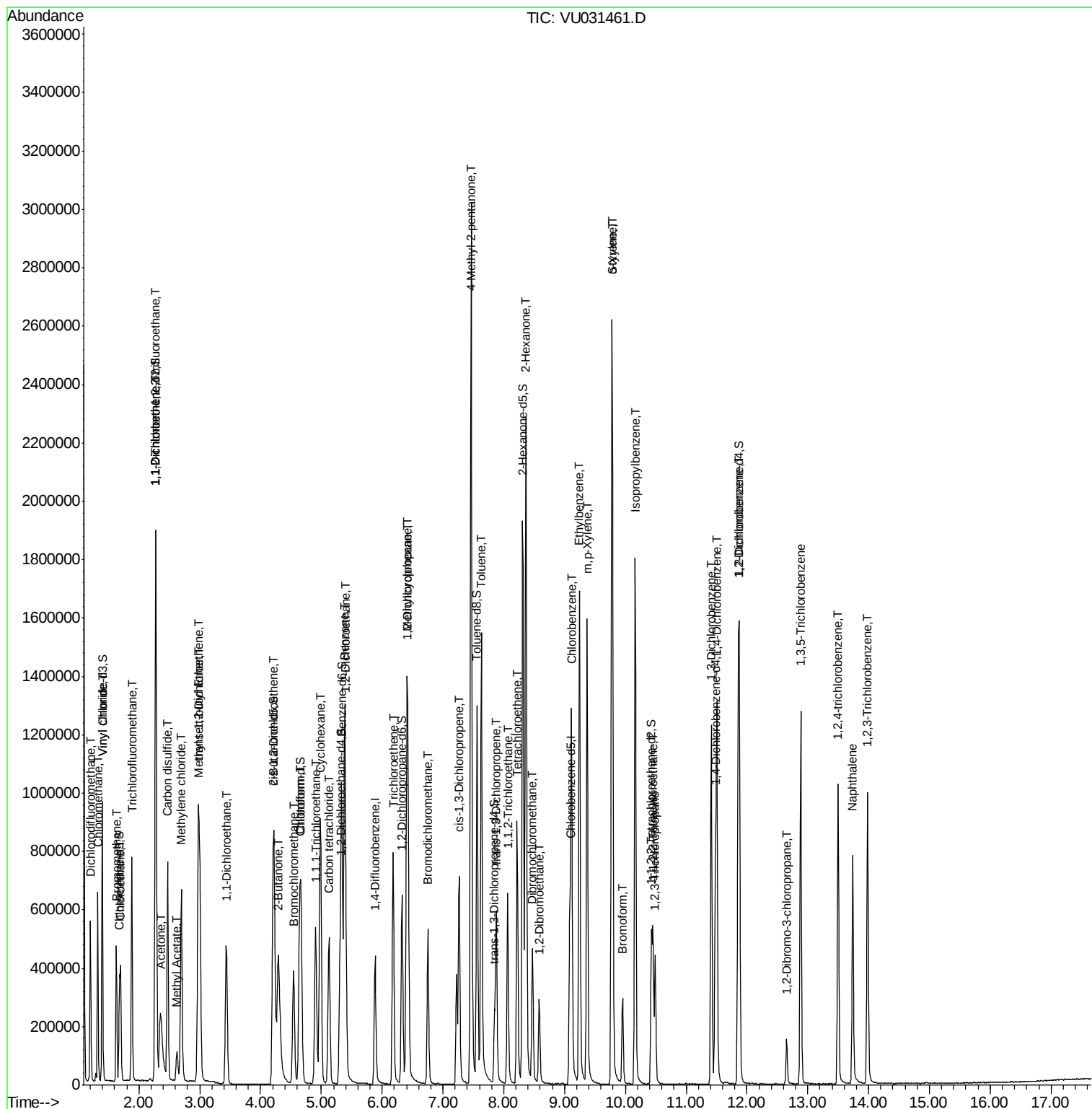
(#) = qualifier out of range (m) = manual integration (+) = signals summed

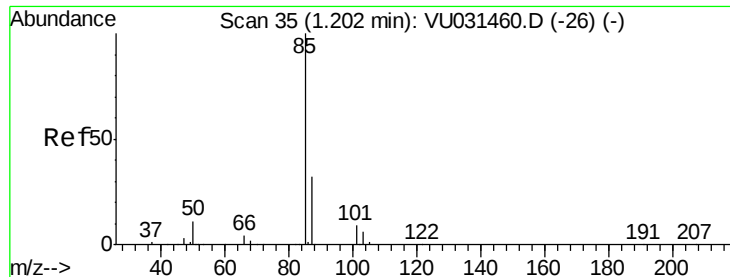
Data File : VU031461.D

```
Acq On       : 24 Apr 2019   11:08
Operator    : JC/SP
Sample      : VSTD01007
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD01007

Quant Time: Apr 25 05:50:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 05:46:56 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 8.024 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

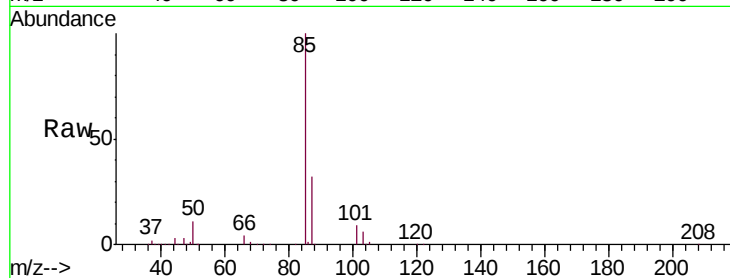
VSTD01007

Tgt Ion: 85 Resp: 332654

Ion Ratio Lower Upper

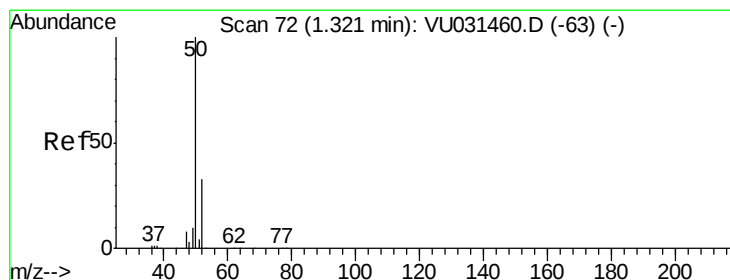
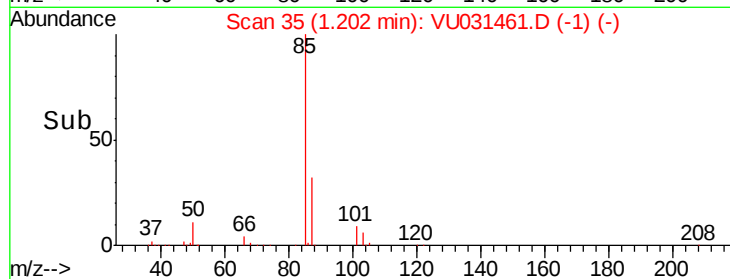
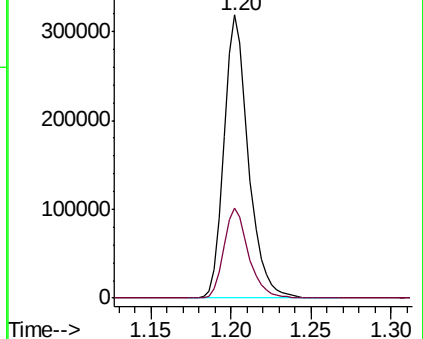
85 100

87 32.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU031461.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU031461.D (-1) (-)



#3

Chloromethane

Concen: 7.176 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031461.D

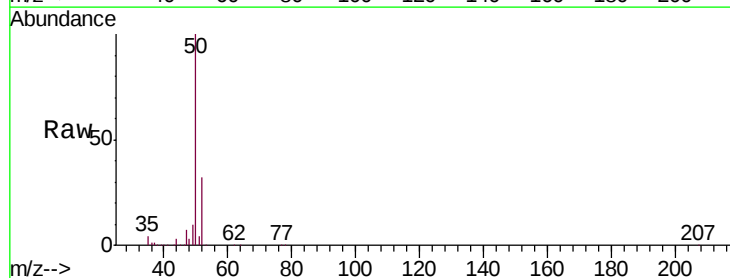
Acq: 24 Apr 2019 11:08

Tgt Ion: 50 Resp: 402591

Ion Ratio Lower Upper

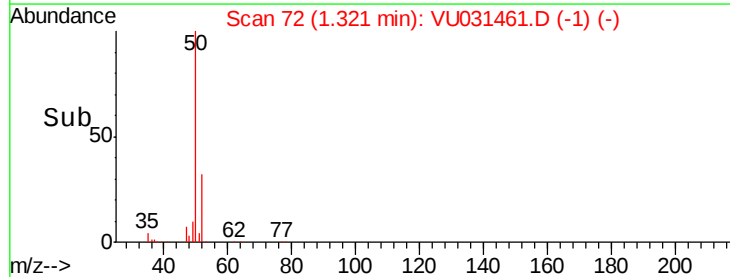
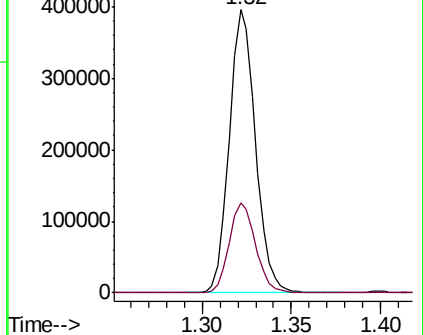
50 100

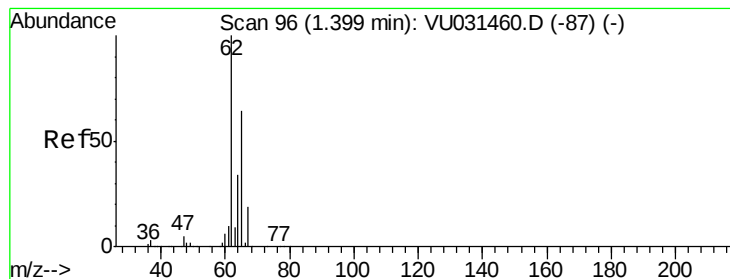
52 32.0 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU031461.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU031461.D (-1) (-)





#5

Vinyl chloride

Concen: 7.075 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

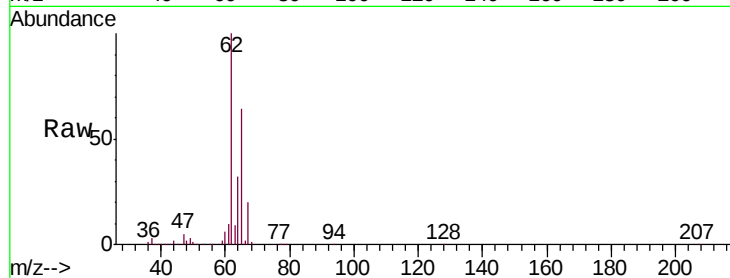
VSTD01007

Tgt Ion: 62 Resp: 400077

Ion Ratio Lower Upper

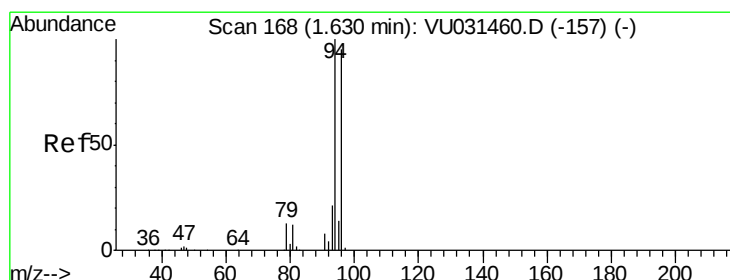
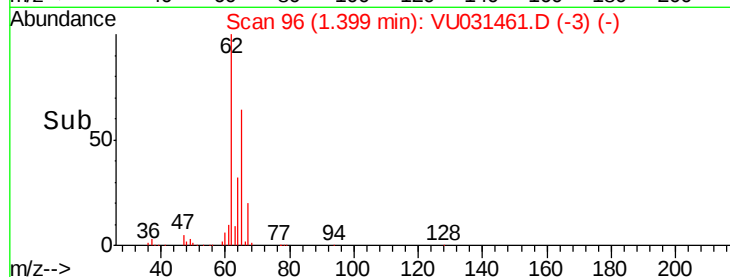
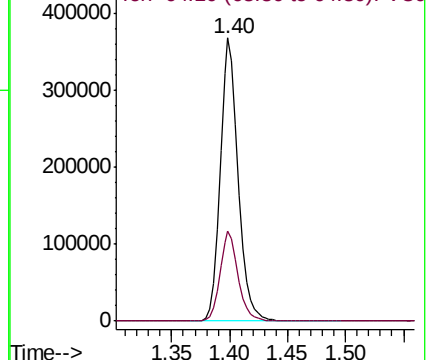
62 100

64 31.8 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VU031461.D (-3) (-)

Ion 64.10 (63.80 to 64.80): VU031461.D (-3) (-)



#6

Bromomethane

Concen: 6.616 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031461.D

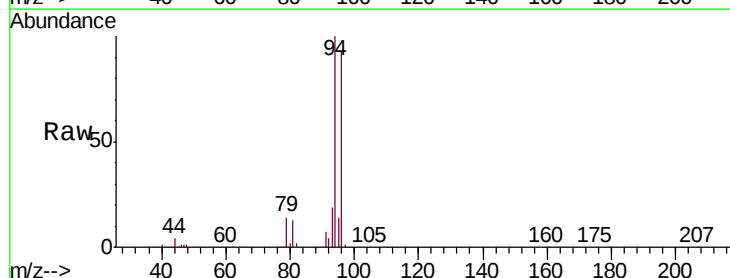
Acq: 24 Apr 2019 11:08

Tgt Ion: 94 Resp: 204305

Ion Ratio Lower Upper

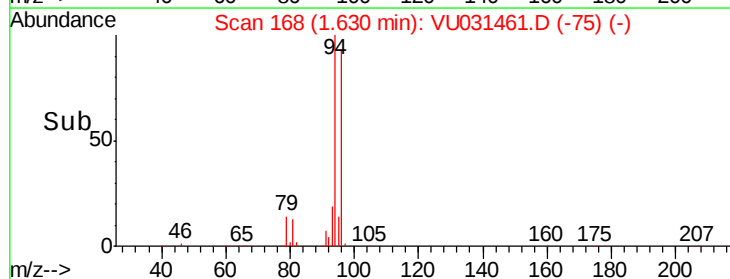
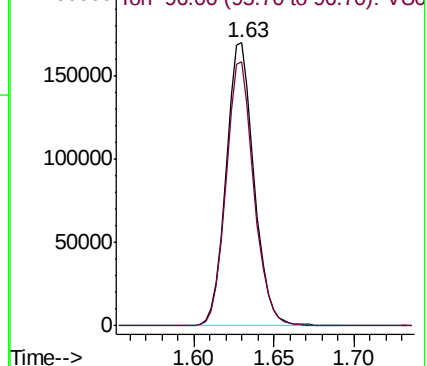
94 100

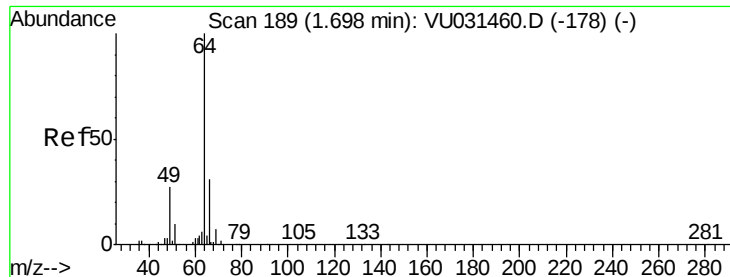
96 93.2 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU031461.D (-75) (-)

Ion 96.00 (95.70 to 96.70): VU031461.D (-75) (-)

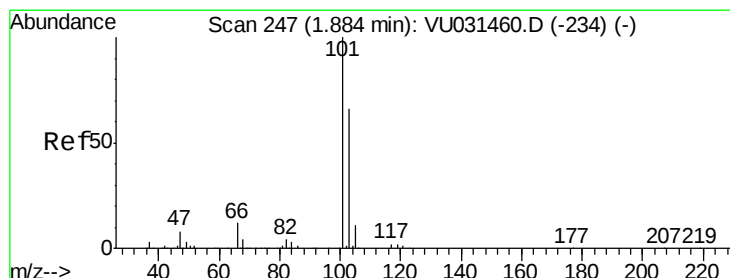
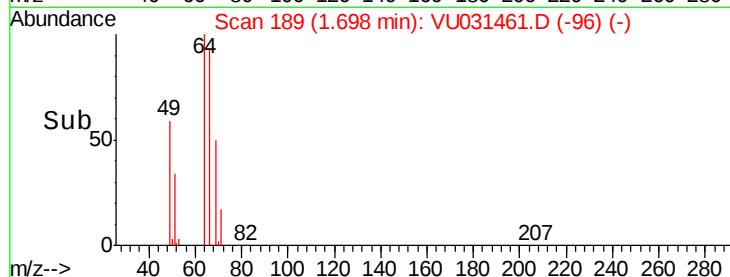
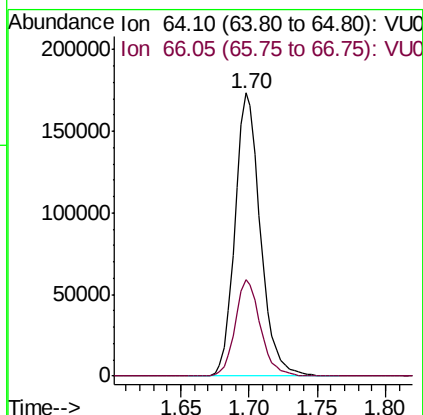
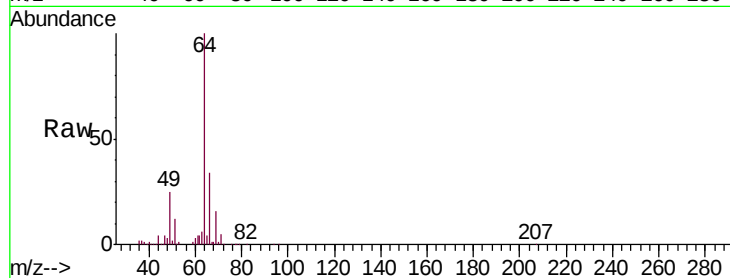




#8
Chloroethane
Concen: 6.891 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

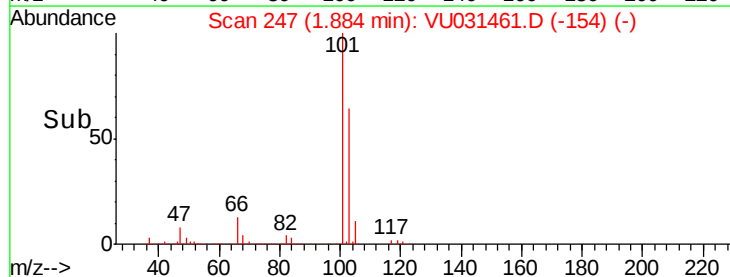
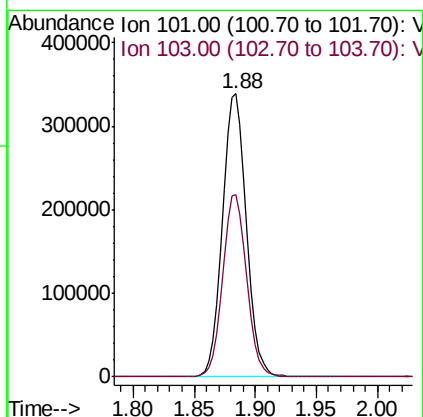
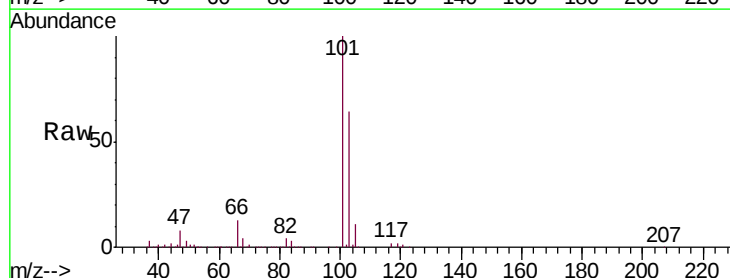
Instrument :
MSVOA_U
ClientSampleId :
VSTD01007

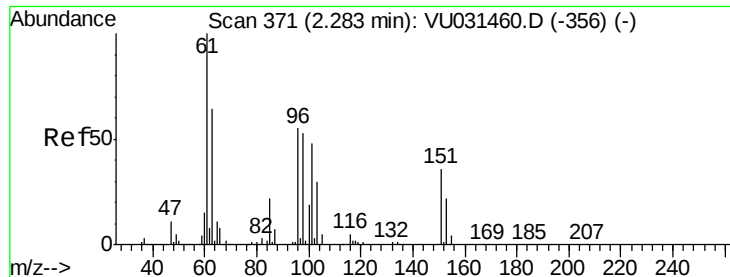
Tgt Ion: 64 Resp: 223115
Ion Ratio Lower Upper
64 100
66 34.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 6.606 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

Tgt Ion: 101 Resp: 468541
Ion Ratio Lower Upper
101 100
103 64.7 52.7 79.1





#10

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

Concen: 6.866 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

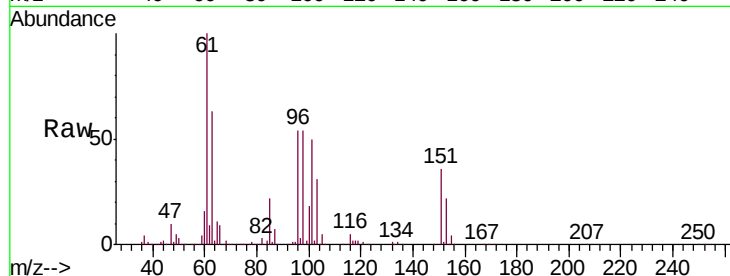
Tgt Ion: 101 Resp: 263938

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.6

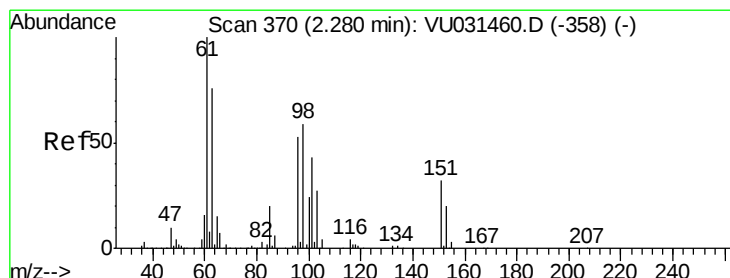
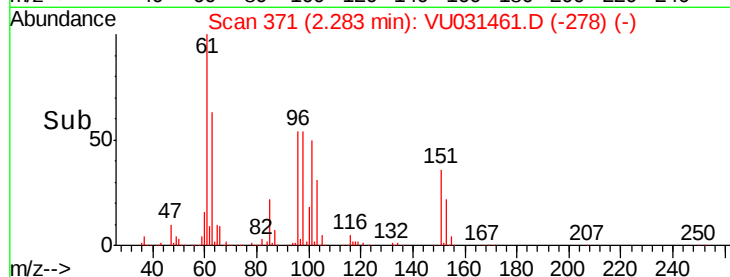
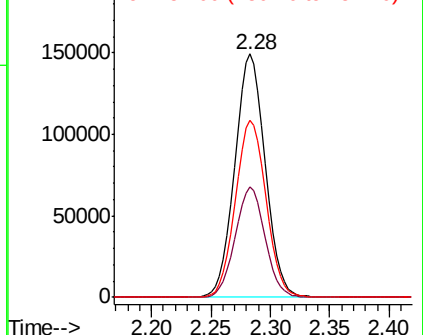
151 73.5 59.2 88.8



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: 6.763 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

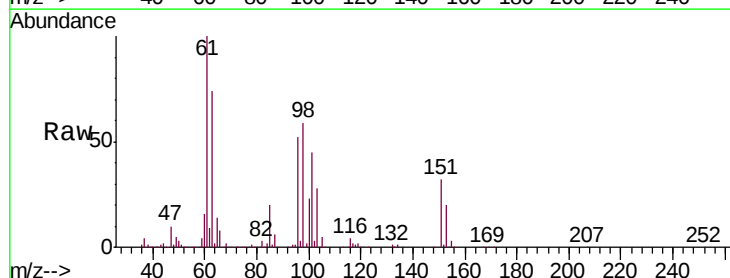
Tgt Ion: 96 Resp: 259549

Ion Ratio Lower Upper

96 100

61 191.5 131.3 243.8

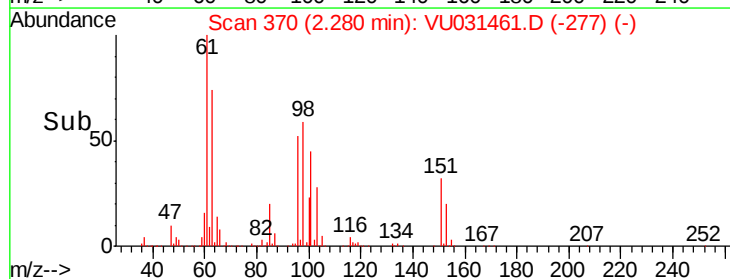
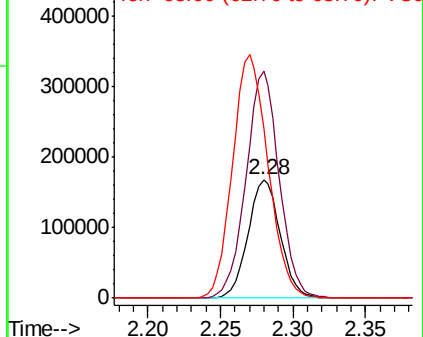
63 142.5 101.9 189.3

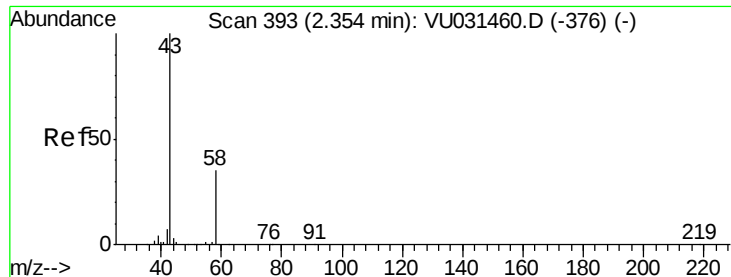


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 67.633 ug/L

RT: 2.35 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

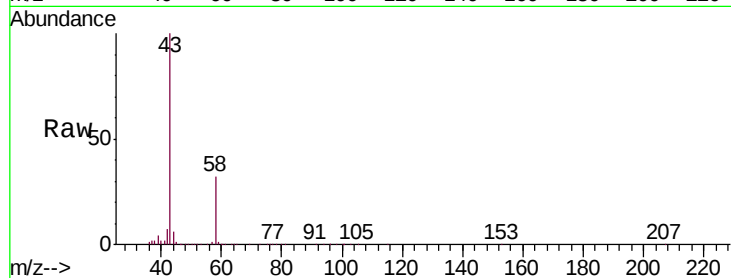
VSTD01007

Tgt Ion: 43 Resp: 579338

Ion Ratio Lower Upper

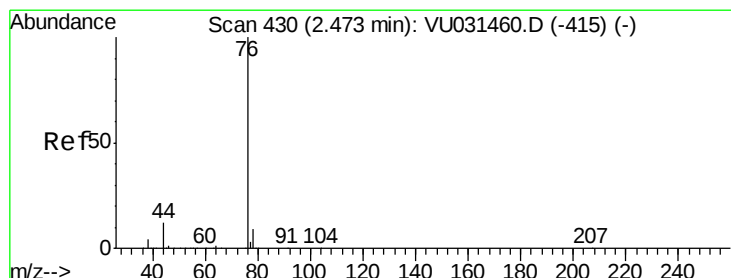
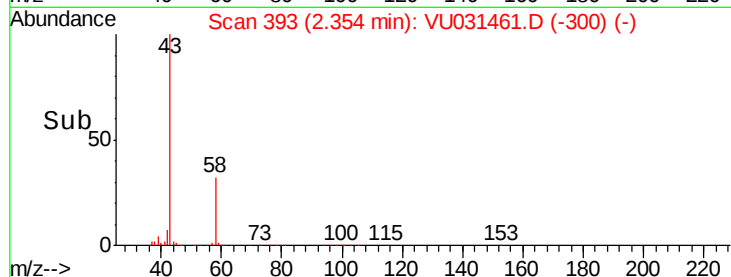
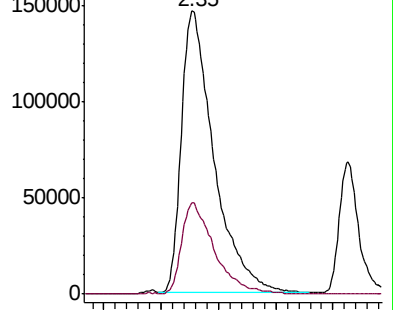
43 100

58 32.0 0.0 62.4



Abundance Ion 43.05 (42.75 to 43.75): VU031461.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU031461.D (-376) (-)



#14

Carbon disulfide

Concen: 7.021 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031461.D

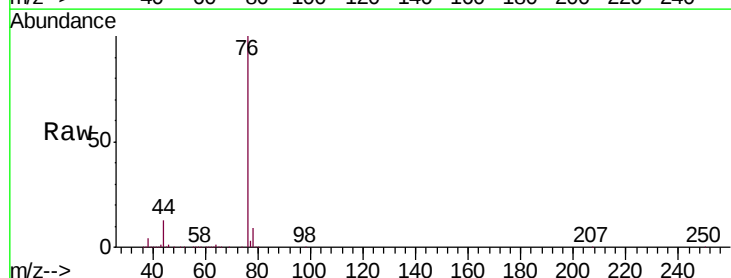
Acq: 24 Apr 2019 11:08

Tgt Ion: 76 Resp: 898591

Ion Ratio Lower Upper

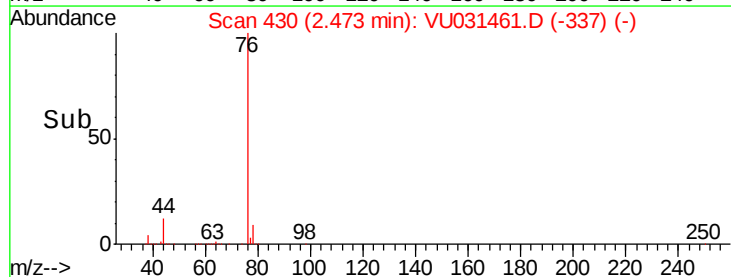
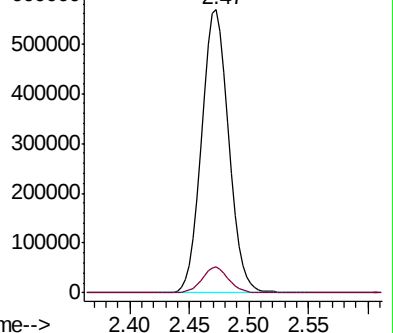
76 100

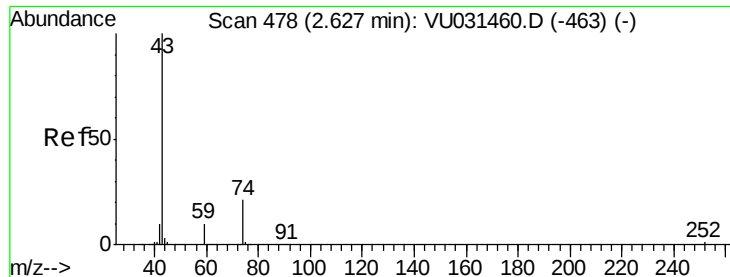
78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU031461.D (-337) (-)

Ion 78.00 (77.70 to 78.70): VU031461.D (-337) (-)

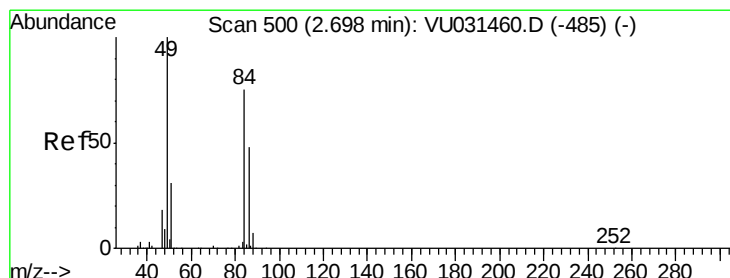
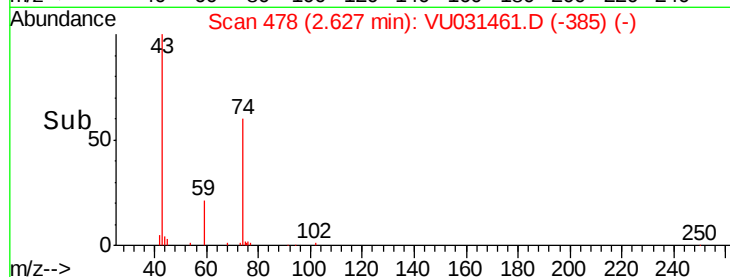
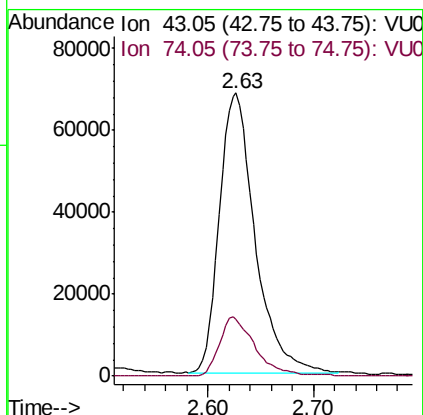
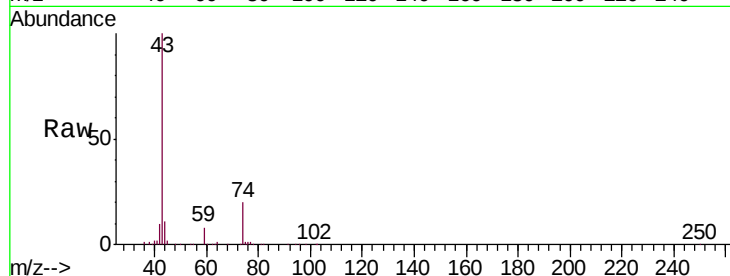




#15
Methyl Acetate
Concen: 6.777 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

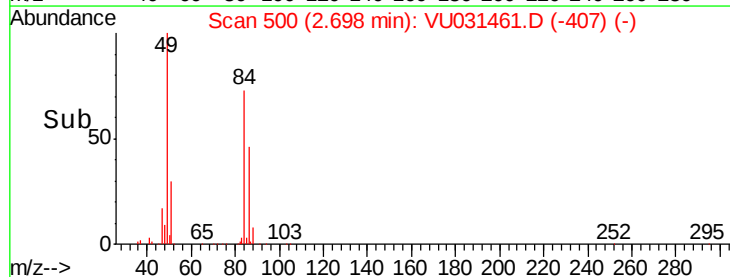
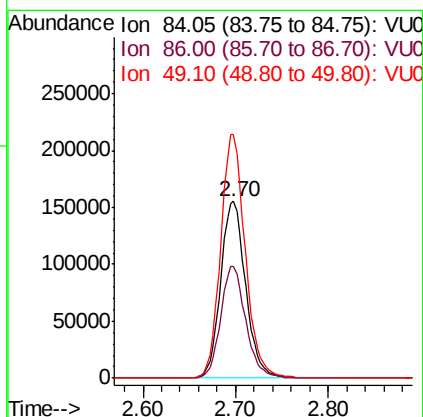
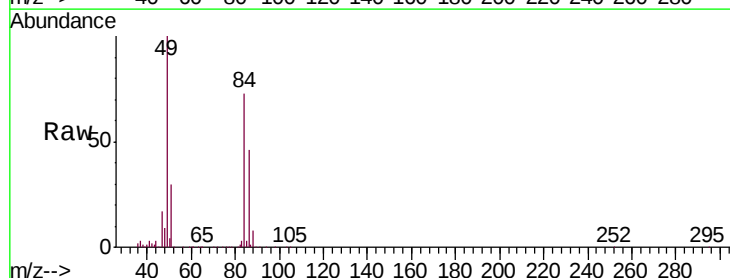
Instrument :
MSVOA_U
ClientSampleId :
VSTD01007

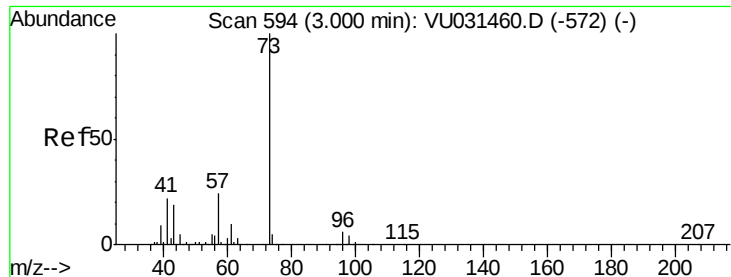
Tgt Ion: 43 Resp: 161138
Ion Ratio Lower Upper
43 100
74 21.1 17.1 25.7



#16
Methylene chloride
Concen: 6.192 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

Tgt Ion: 84 Resp: 289886
Ion Ratio Lower Upper
84 100
86 63.1 44.9 83.5
49 137.9 92.9 172.5





#17

Methyl tert-butyl Ether

Concen: 7.307 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

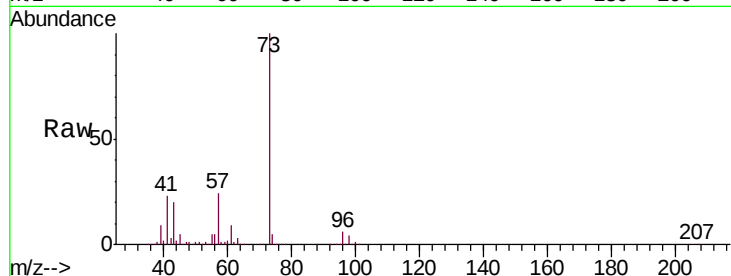
Tgt Ion: 73 Resp: 760204

Ion Ratio Lower Upper

73 100

43 20.0 15.4 23.0

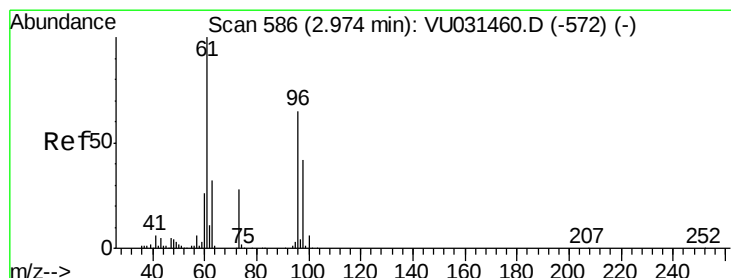
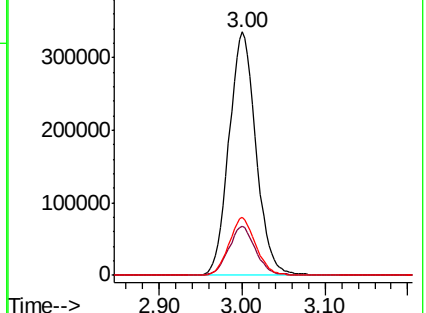
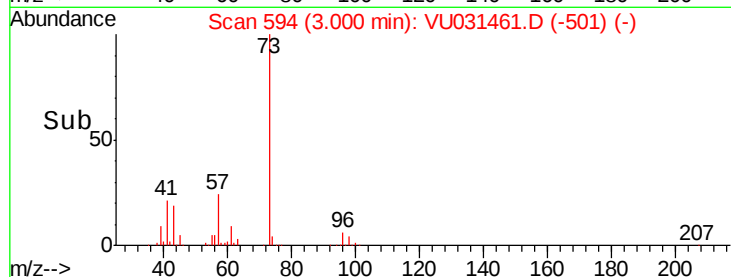
57 23.4 19.1 28.7



Abundance Ion 73.10 (72.80 to 73.80): VU031461.D (-501) (-)

Ion 43.05 (42.75 to 43.75): VU031461.D (-501) (-)

Ion 57.10 (56.80 to 57.80): VU031461.D (-501) (-)



#18

trans-1,2-Dichloroethene

Concen: 7.018 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

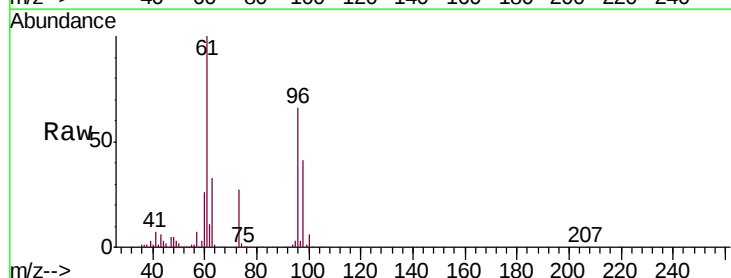
Tgt Ion: 96 Resp: 285567

Ion Ratio Lower Upper

96 100

61 151.4 108.4 201.2

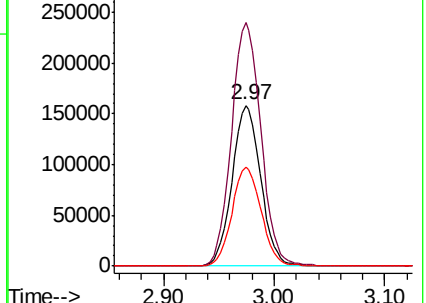
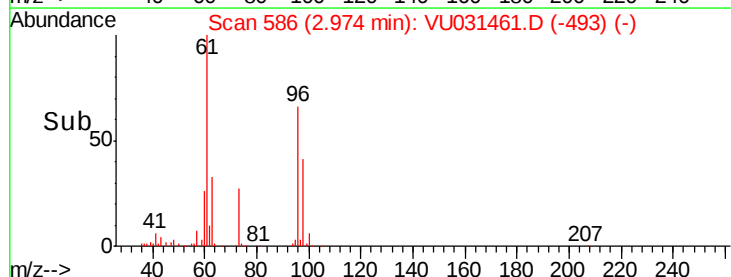
98 61.6 45.1 83.9

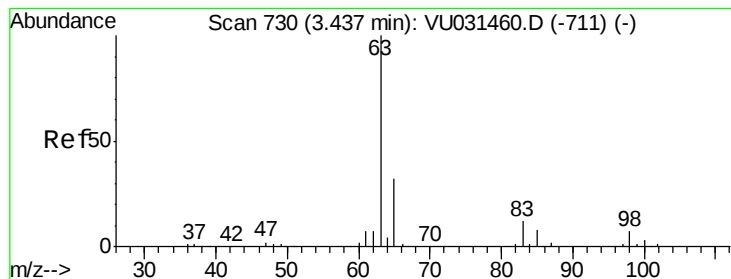


Abundance Ion 96.00 (95.70 to 96.70): VU031461.D (-493) (-)

Ion 61.05 (60.75 to 61.75): VU031461.D (-493) (-)

Ion 97.95 (97.65 to 98.65): VU031461.D (-493) (-)





#19

1,1-Dichloroethane

Concen: 9.378 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

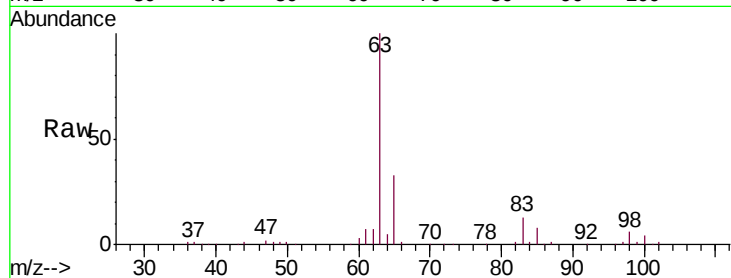
Tgt Ion: 63 Resp: 536563

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.5

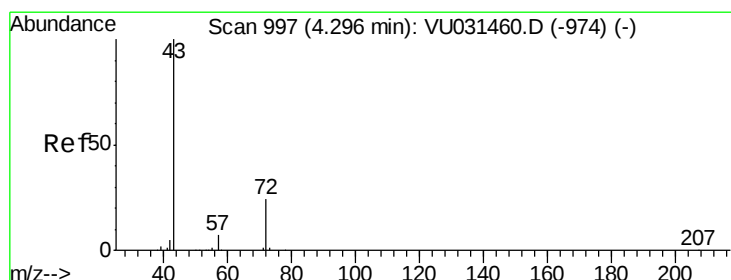
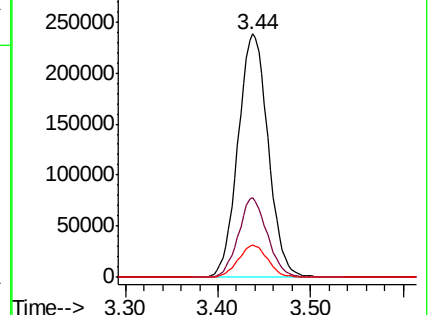
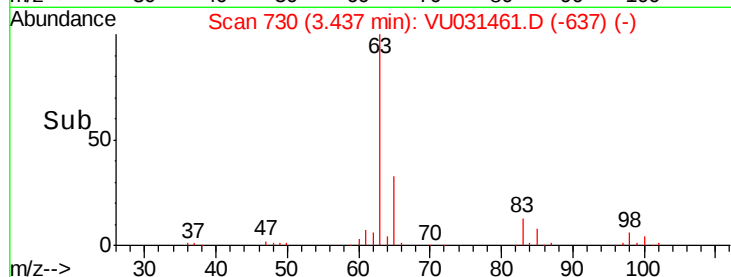
83 13.1 8.5 15.9



Abundance Ion 63.10 (62.80 to 63.80): VU031461.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU031461.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU031461.D (-637) (-)



#21

2-Butanone

Concen: 101.482 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VU031461.D

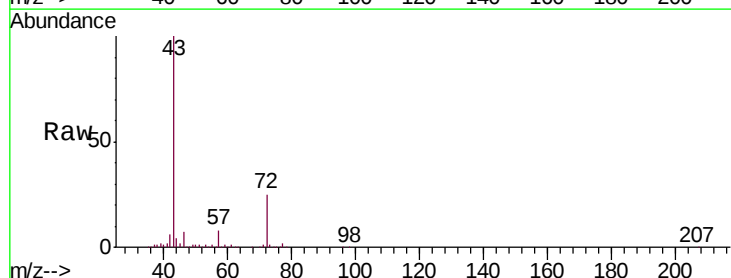
Acq: 24 Apr 2019 11:08

Tgt Ion: 43 Resp: 958223

Ion Ratio Lower Upper

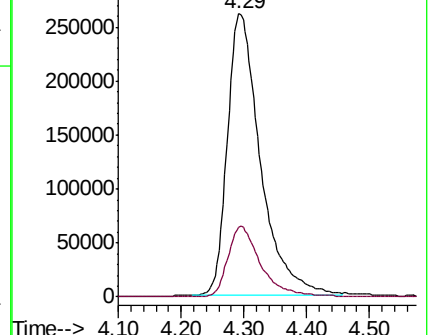
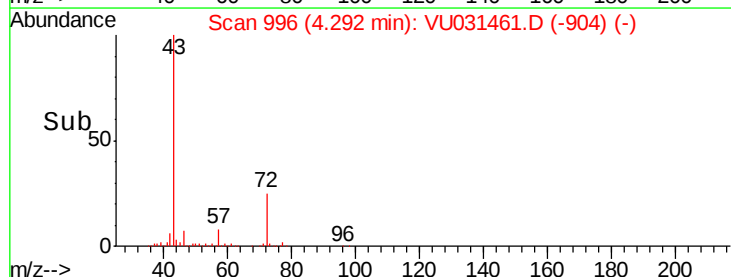
43 100

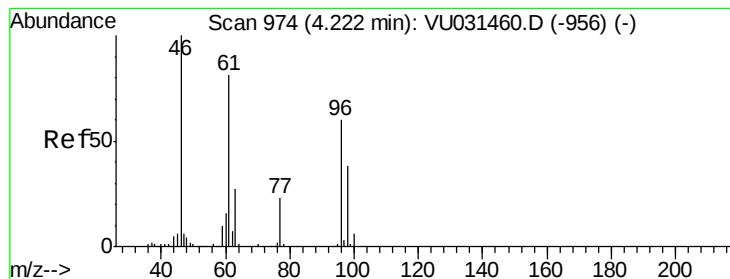
72 24.1 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU031461.D (-904) (-)

Ion 72.10 (71.80 to 72.80): VU031461.D (-904) (-)



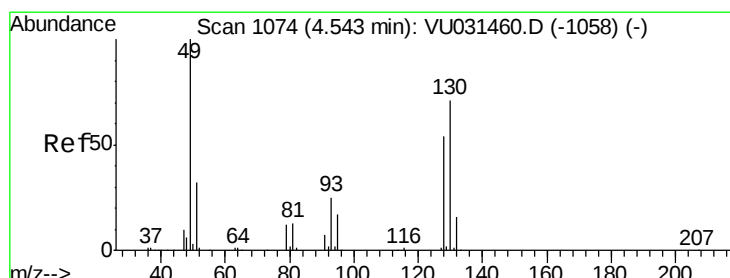
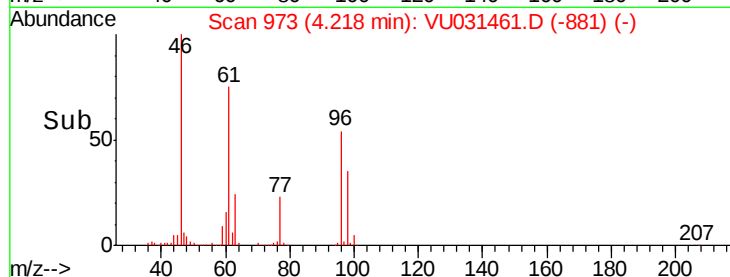
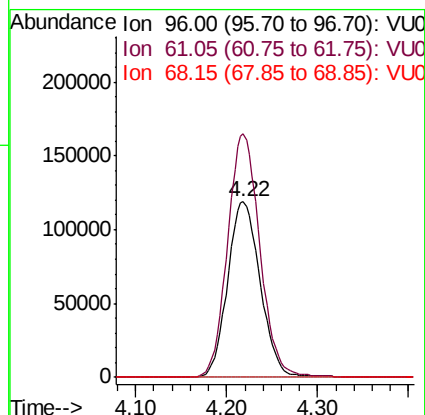
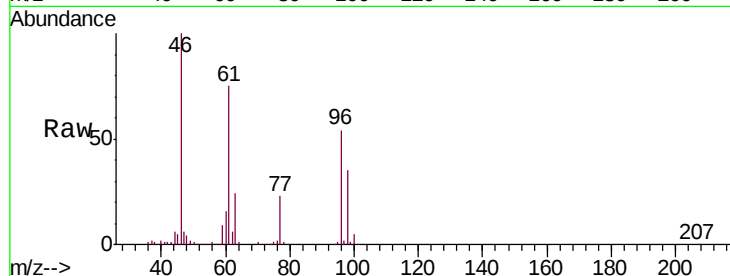


#22

cis-1,2-Dichloroethene
 Concen: 9.016 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01007

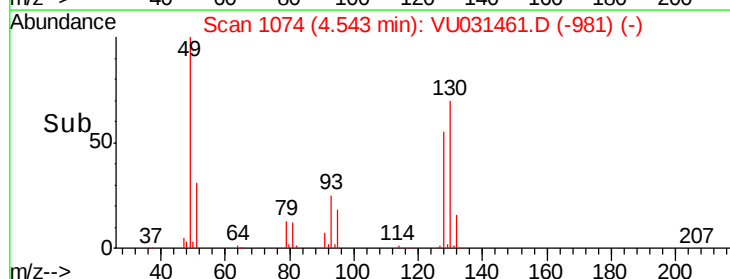
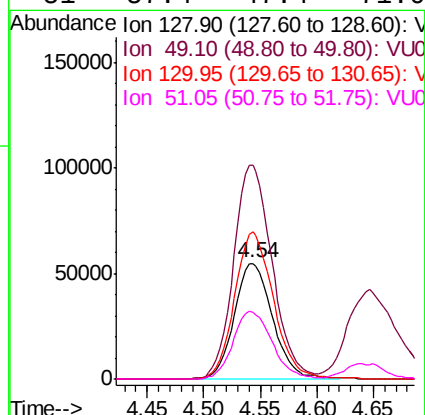
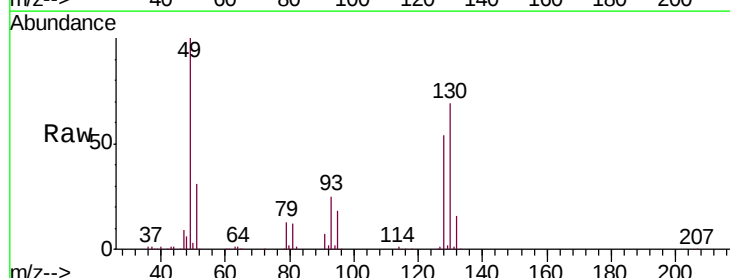
Tgt Ion: 96 Resp: 296506
 Ion Ratio Lower Upper
 96 100
 61 138.7 94.8 176.2
 68 0.0 0.0 0.0

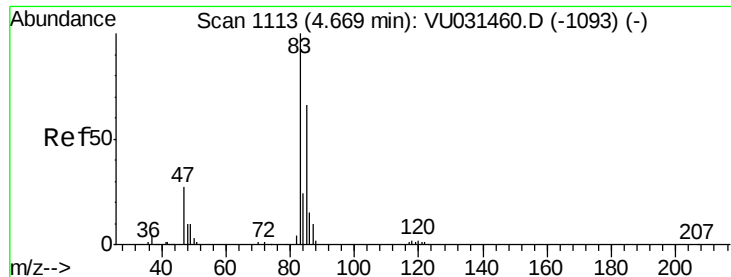


#23

Bromochloromethane
 Concen: 8.890 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Tgt Ion: 128 Resp: 129115
 Ion Ratio Lower Upper
 128 100
 49 185.1 128.9 239.3
 130 128.0 91.2 169.4
 51 57.4 47.4 71.0





#25

Chloroform

Concen: 8.752 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

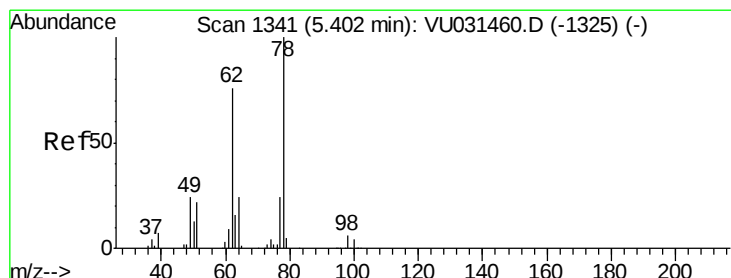
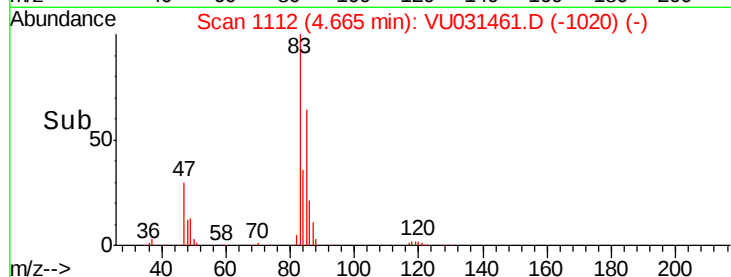
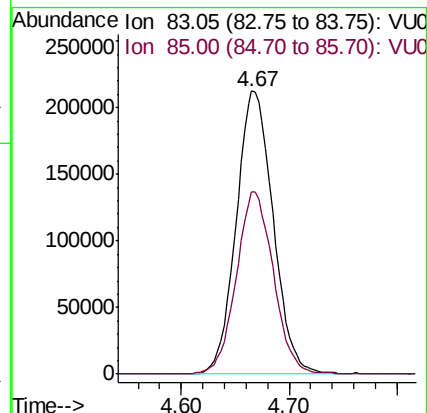
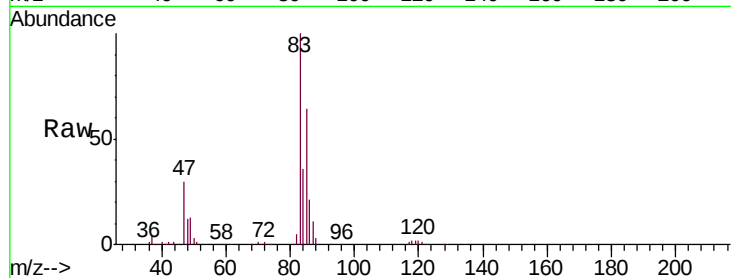
VSTD01007

Tgt Ion: 83 Resp: 506708

Ion Ratio Lower Upper

83 100

85 64.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 8.767 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031461.D

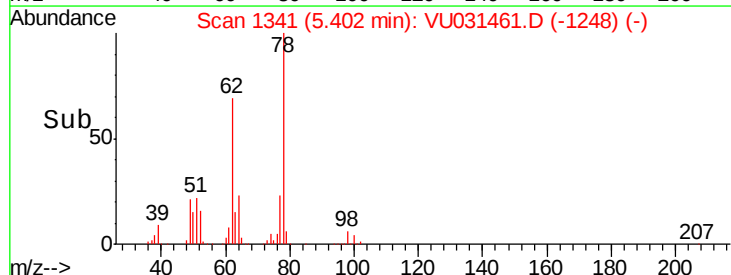
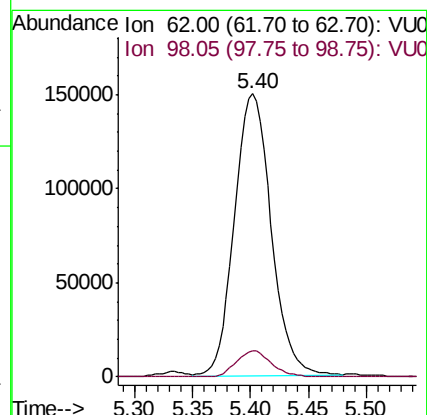
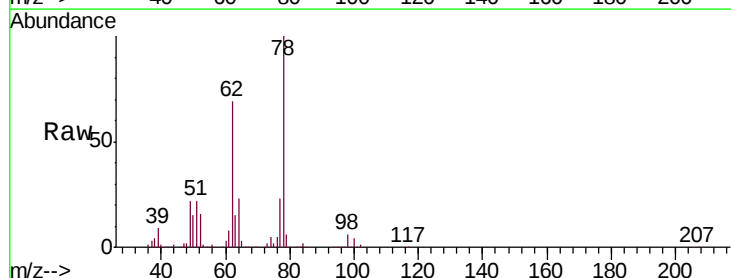
Acq: 24 Apr 2019 11:08

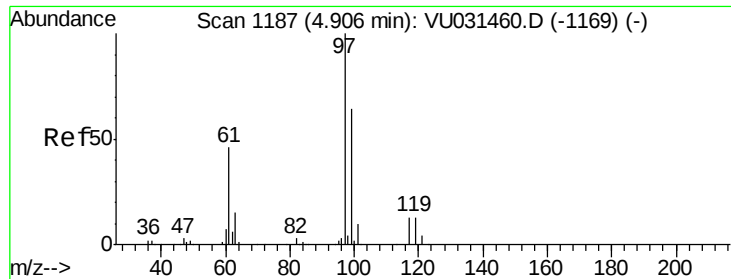
Tgt Ion: 62 Resp: 328368

Ion Ratio Lower Upper

62 100

98 9.3 6.5 9.7

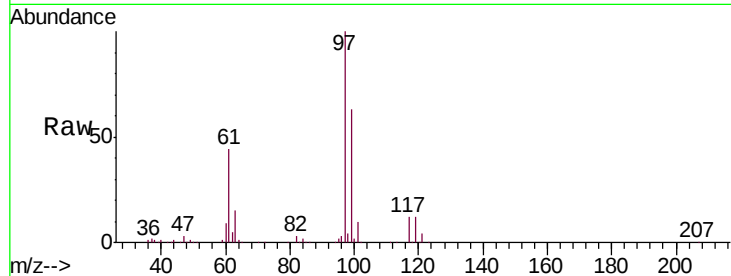




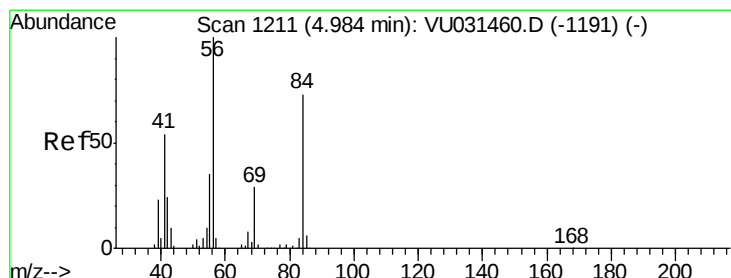
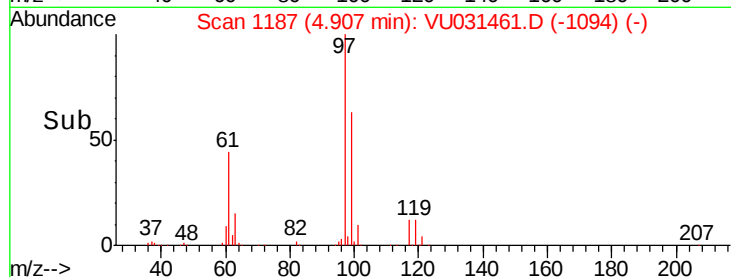
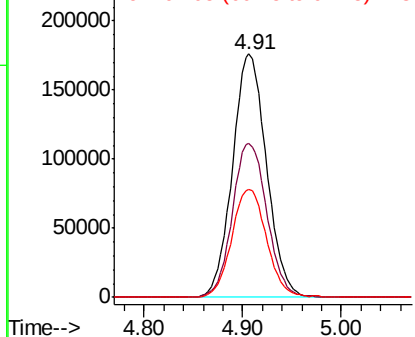
#29
 1,1,1-Trichloroethane
 Concen: 8.790 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01007

Tgt Ion: 97 Resp: 422649
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.2 75.2
 61 45.3 37.0 55.4

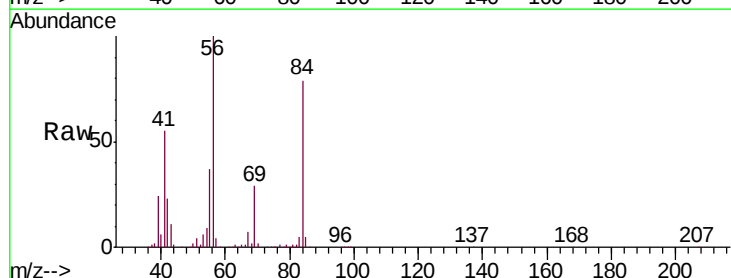


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

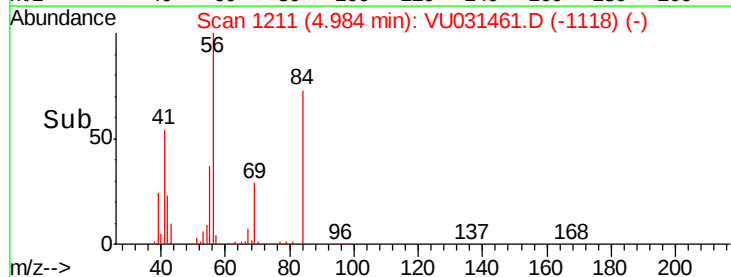
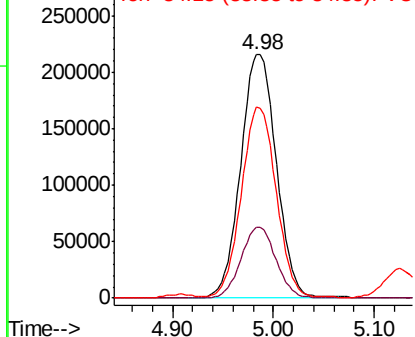


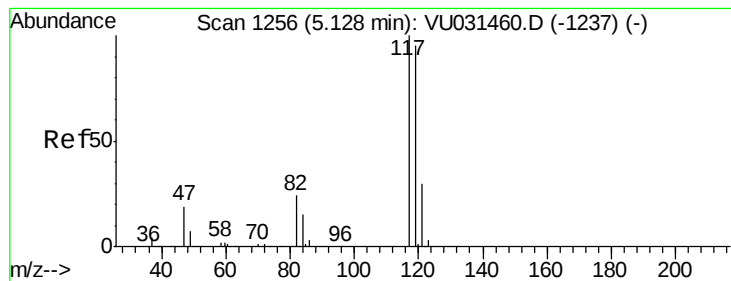
#30
 Cyclohexane
 Concen: 10.374 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Tgt Ion: 56 Resp: 528974
 Ion Ratio Lower Upper
 56 100
 69 28.5 23.3 34.9
 84 76.9 61.0 91.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 8.421 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

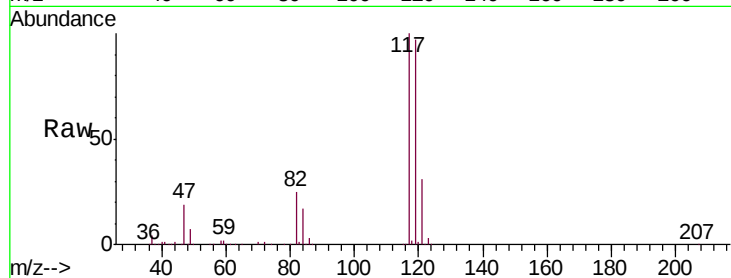
VSTD01007

Tgt Ion:117 Resp: 363777

Ion Ratio Lower Upper

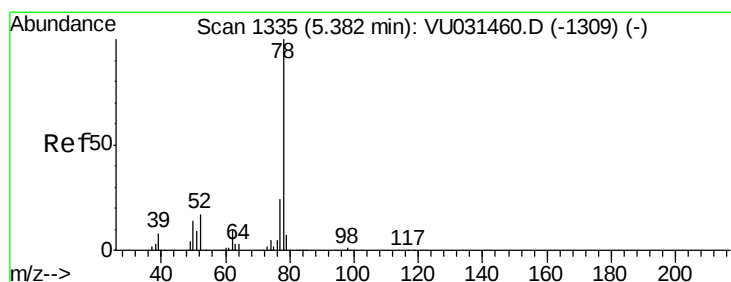
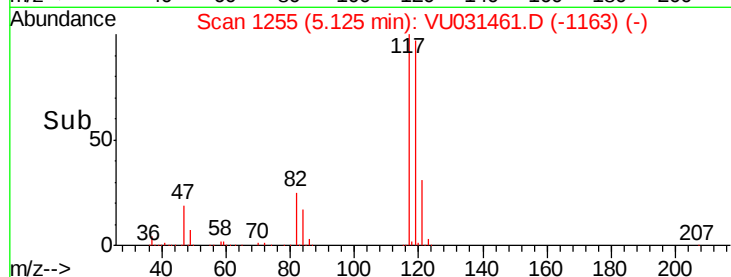
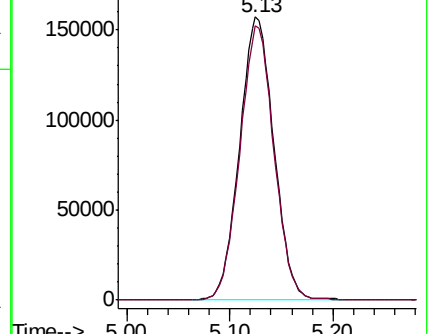
117 100

119 96.4 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.290 ug/L

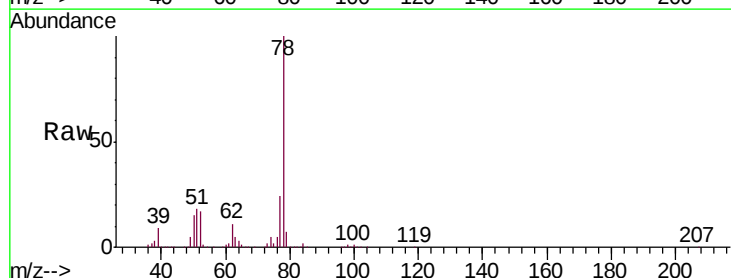
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

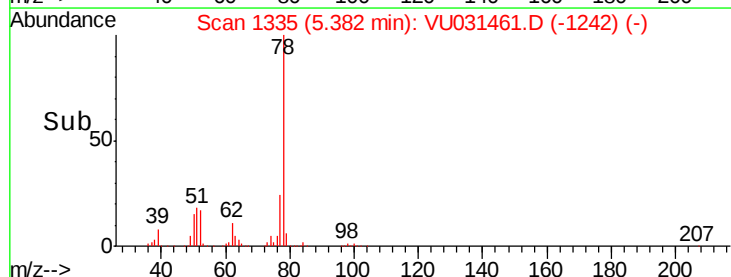
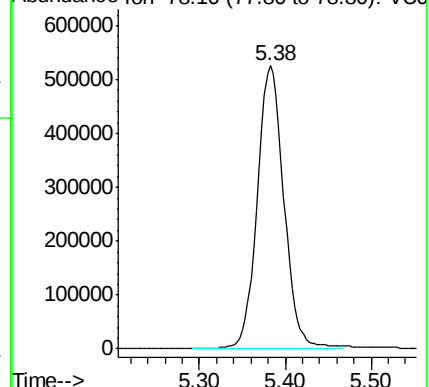
Lab File: VU031461.D

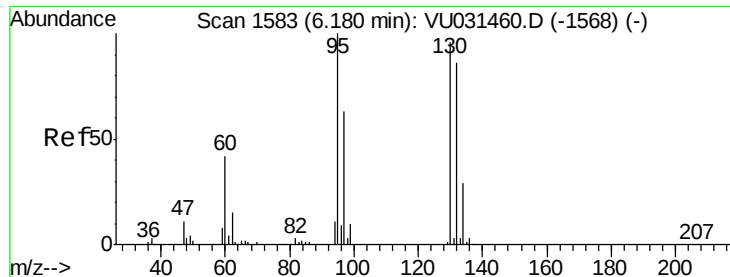
Acq: 24 Apr 2019 11:08

Tgt Ion: 78 Resp: 1139492



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 8.758 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

Tgt Ion: 95 Resp: 292472

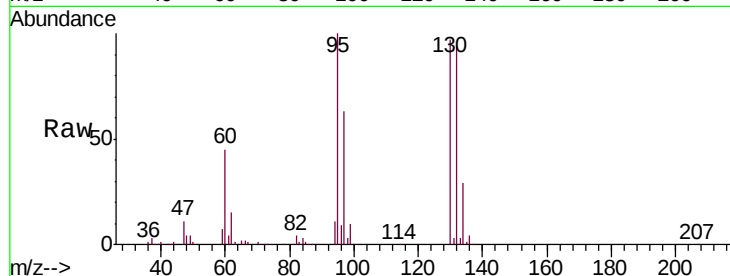
Ion Ratio Lower Upper

95 100

97 63.0 44.3 82.3

132 93.7 59.9 111.3

130 96.8 67.1 124.5

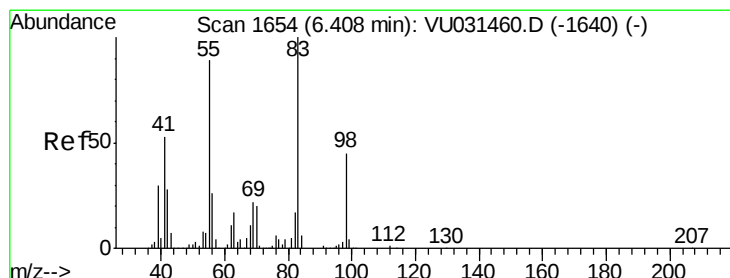
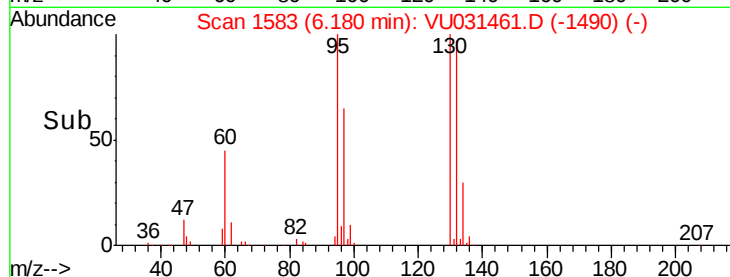
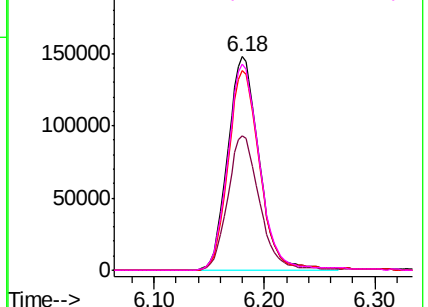


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.061 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

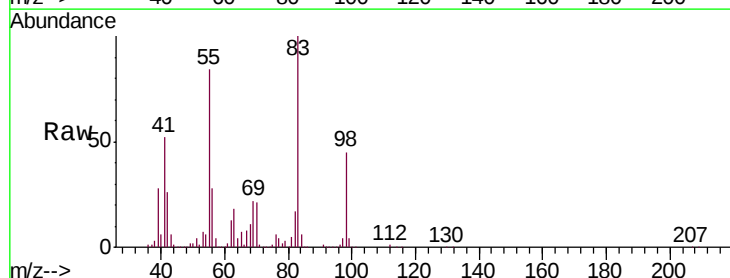
Tgt Ion: 83 Resp: 467446

Ion Ratio Lower Upper

83 100

55 84.3 71.1 106.7

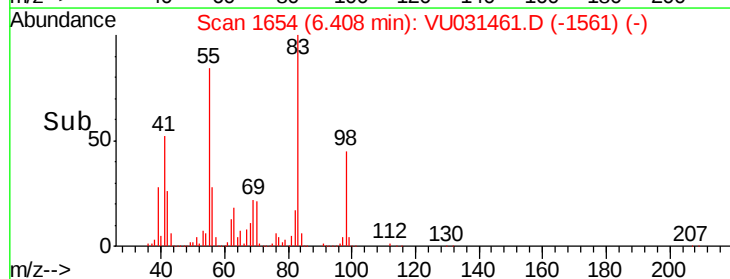
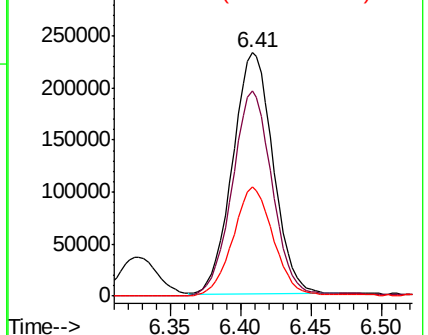
98 44.9 36.6 54.8

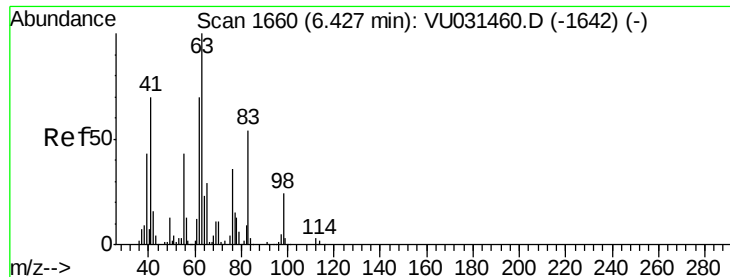


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

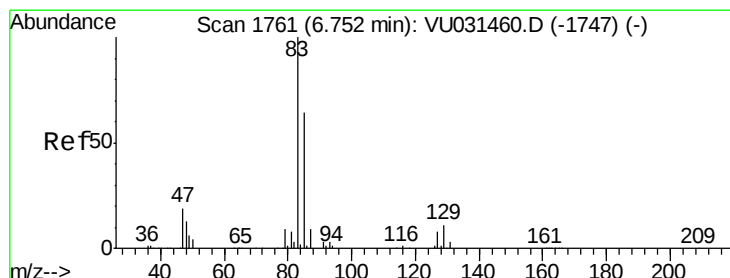
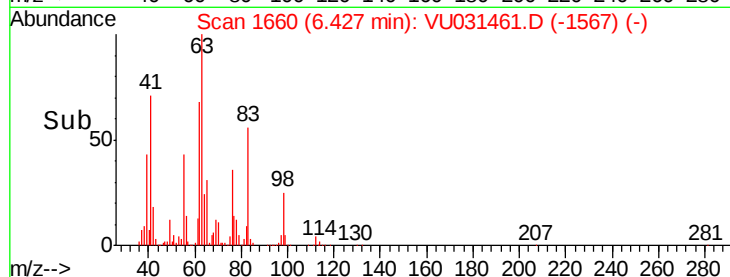
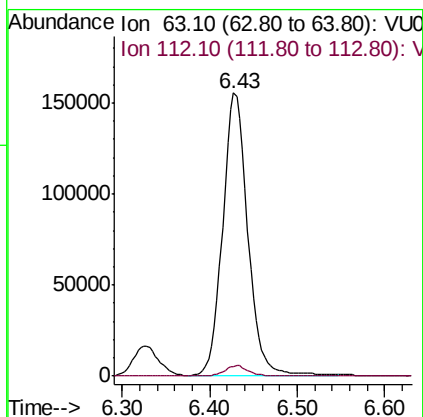
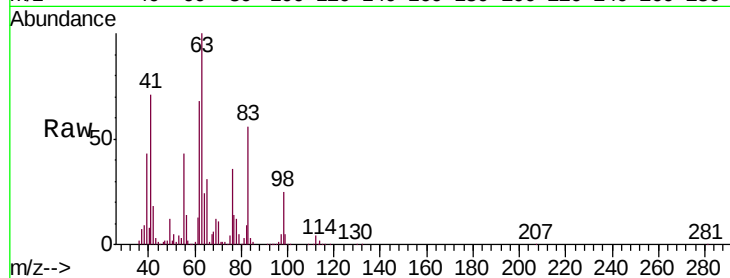




#37
 1,2-Dichloropropane
 Concen: 9.464 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

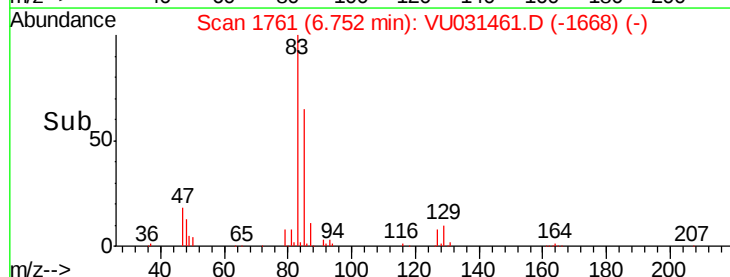
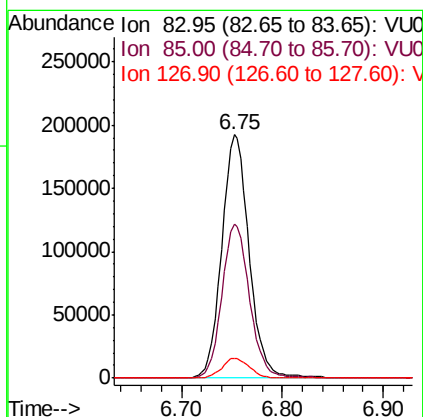
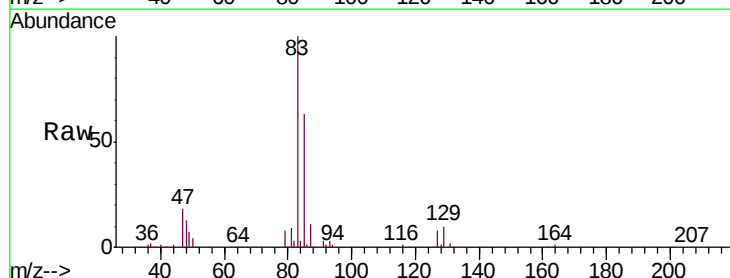
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01007

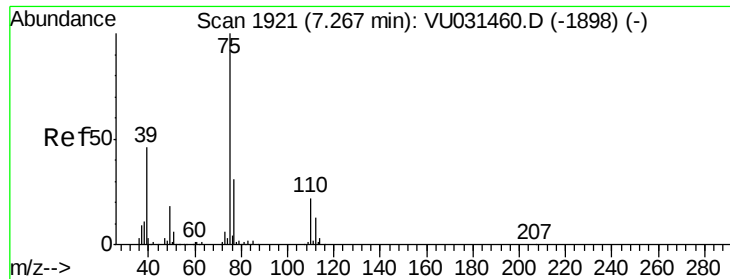
Tgt Ion: 63 Resp: 308682
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.6



#38
 Bromodichloromethane
 Concen: 9.060 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Tgt Ion: 83 Resp: 361636
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.8 83.2
 127 8.3 6.5 9.7



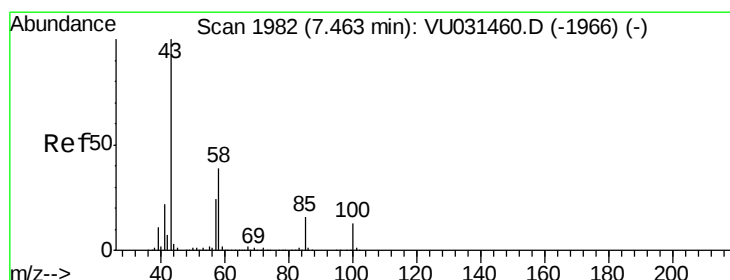
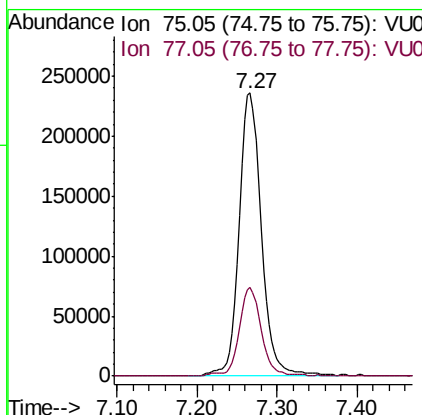
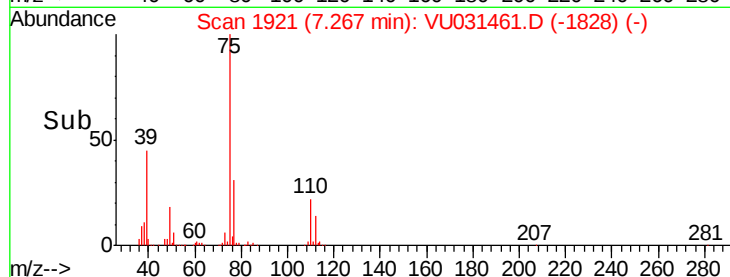
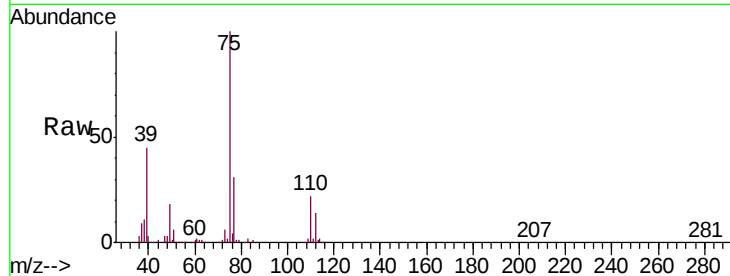


#39

cis-1,3-Dichloropropene
 Concen: 10.182 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01007

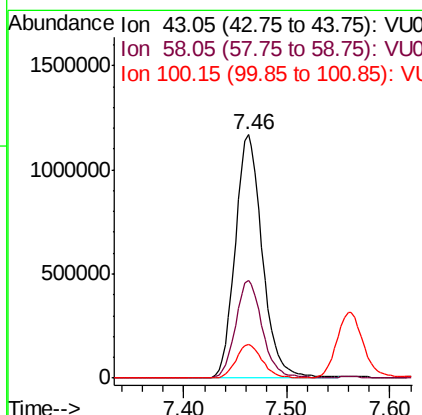
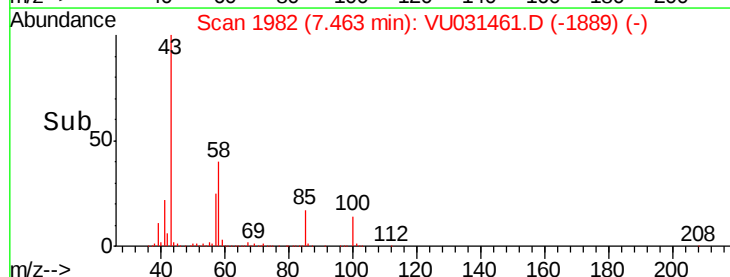
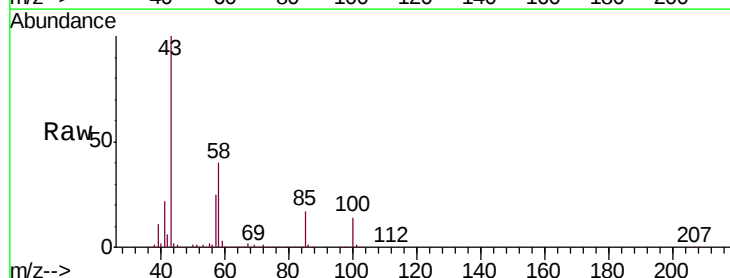
Tgt Ion: 75 Resp: 442978
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.9 40.7

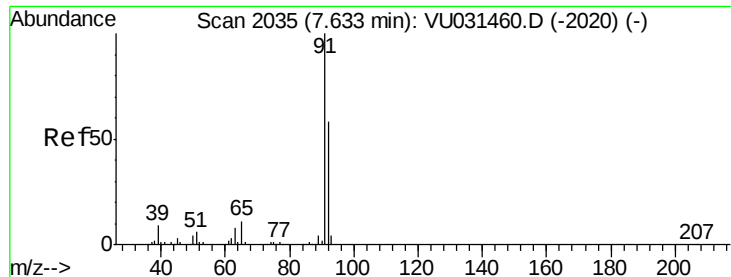


#40

4-Methyl-2-pentanone
 Concen: 101.673 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Tgt Ion: 43 Resp: 2147790
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.6 47.4
 100 13.5 10.6 15.8





#42

Toluene

Concen: 9.579 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

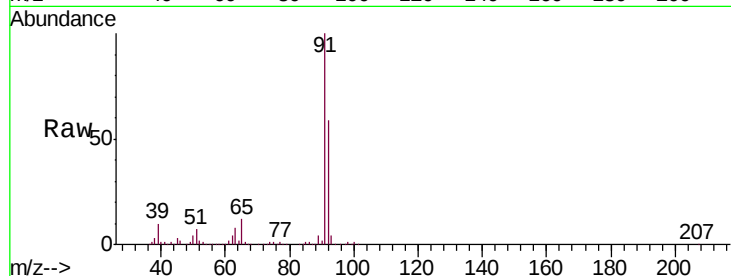
VSTD01007

Tgt Ion: 91 Resp: 1180364

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU031461.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031461.D (-2020) (-)

7.63

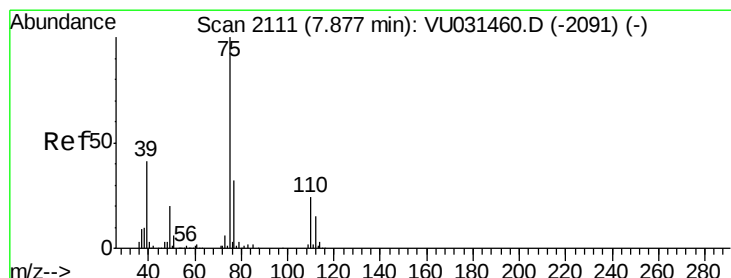
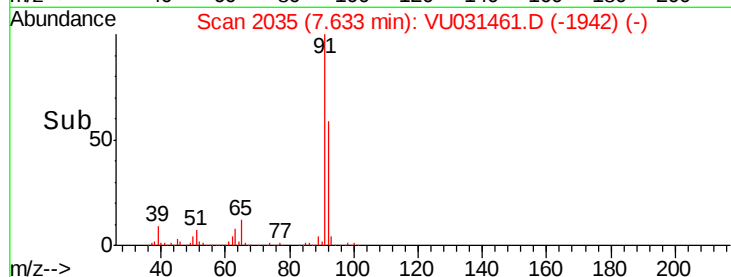
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.696 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031461.D

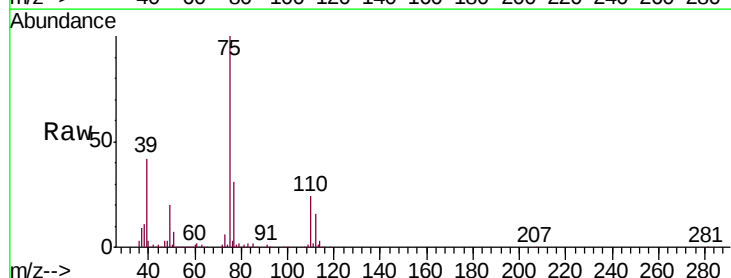
Acq: 24 Apr 2019 11:08

Tgt Ion: 75 Resp: 346126

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU031461.D (-2091) (-)

Ion 77.05 (76.75 to 77.75): VU031461.D (-2091) (-)

7.88

200000

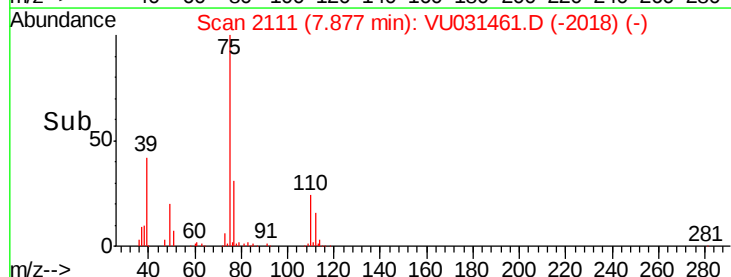
150000

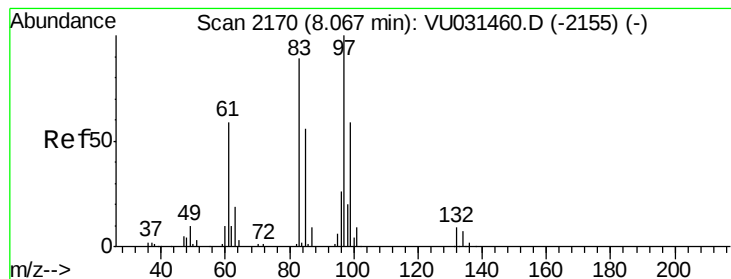
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 9.156 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

Tgt Ion: 97 Resp: 213071

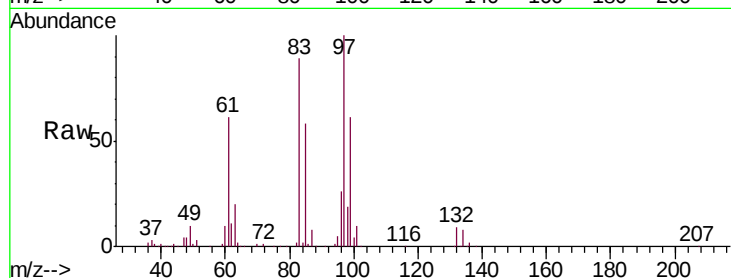
Ion Ratio Lower Upper

97 100

99 61.1 41.2 76.6

83 88.5 62.2 115.4

85 57.7 39.2 72.8

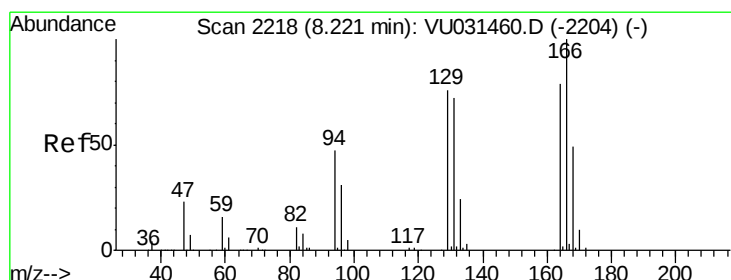
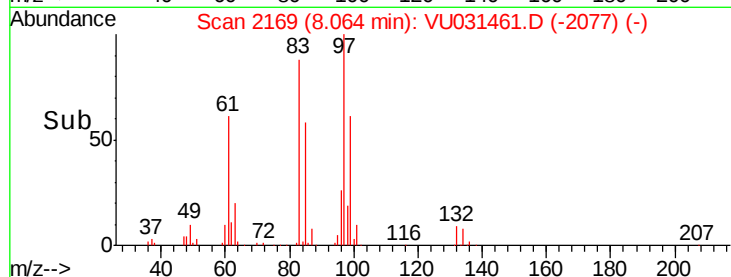
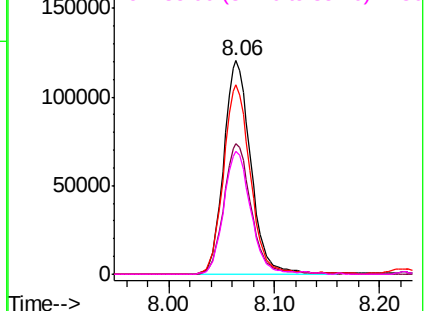


Abundance Ion 96.95 (96.65 to 97.65): VU031461.D (-2169) (-)

Ion 99.05 (98.75 to 99.75): VU031461.D (-2169) (-)

Ion 82.95 (82.65 to 83.65): VU031461.D (-2169) (-)

Ion 85.00 (84.70 to 85.70): VU031461.D (-2169) (-)



#47

Tetrachloroethene

Concen: 8.552 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Tgt Ion: 164 Resp: 209999

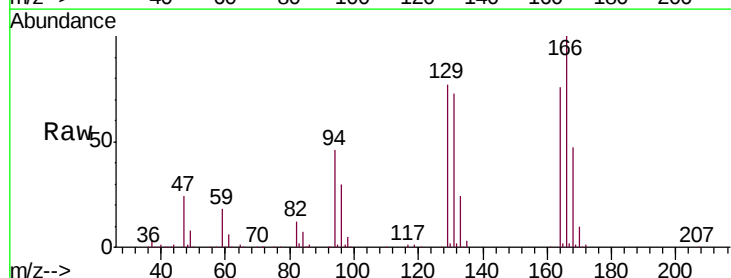
Ion Ratio Lower Upper

164 100

129 100.8 67.5 125.3

131 95.8 64.0 119.0

166 131.1 88.5 164.4

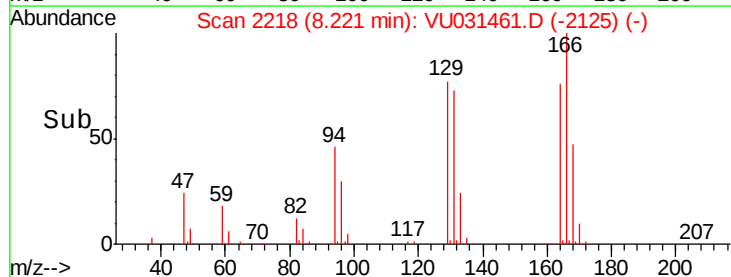
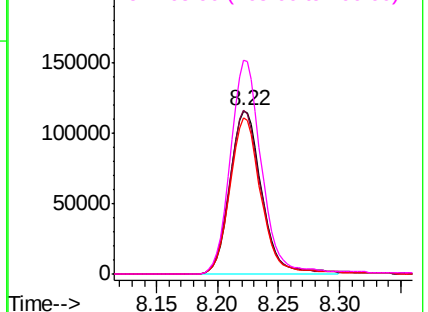


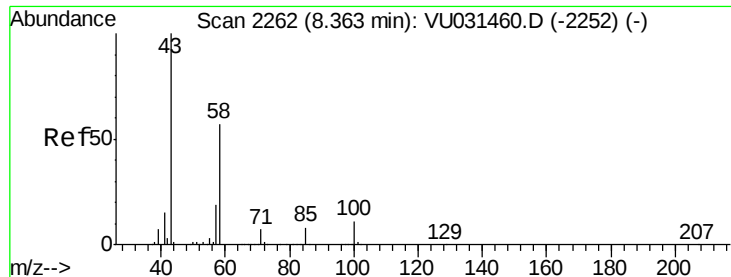
Abundance Ion 163.90 (163.60 to 164.60): VU031461.D (-2218) (-)

Ion 128.95 (128.65 to 129.65): VU031461.D (-2218) (-)

Ion 130.95 (130.65 to 131.65): VU031461.D (-2218) (-)

Ion 165.90 (165.60 to 166.60): VU031461.D (-2218) (-)

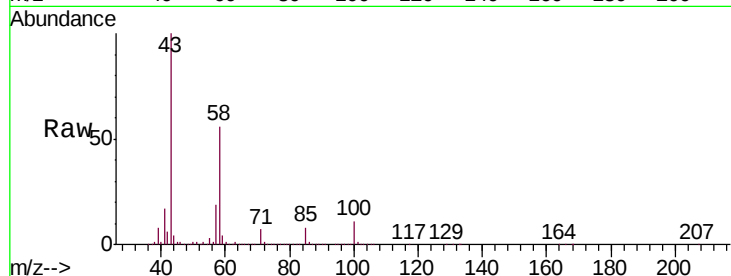




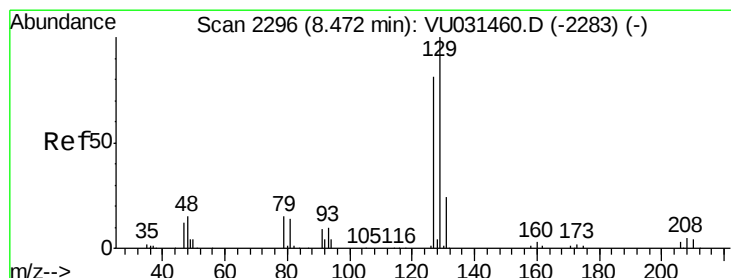
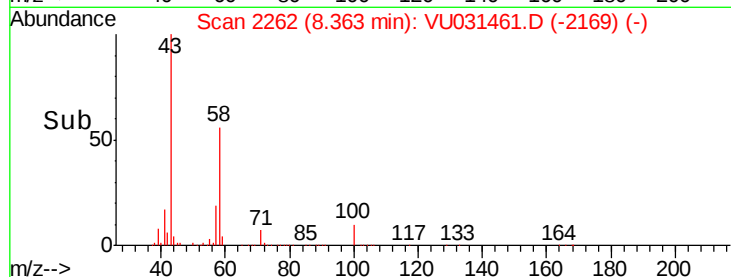
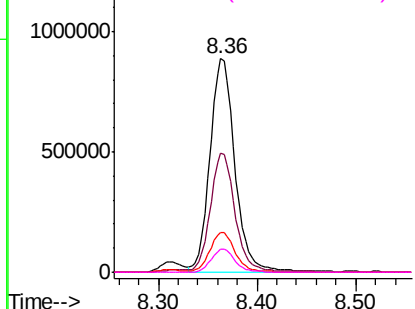
#48
2-Hexanone
Concen: 104.447 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01007

Tgt Ion: 43 Resp: 1561658
Ion Ratio Lower Upper
43 100
58 55.3 44.6 67.0
57 18.9 15.3 22.9
100 10.4 8.3 12.5

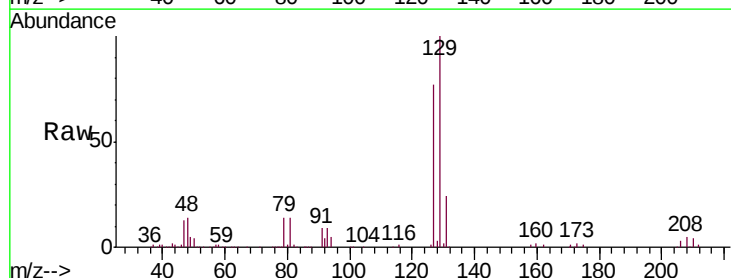


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

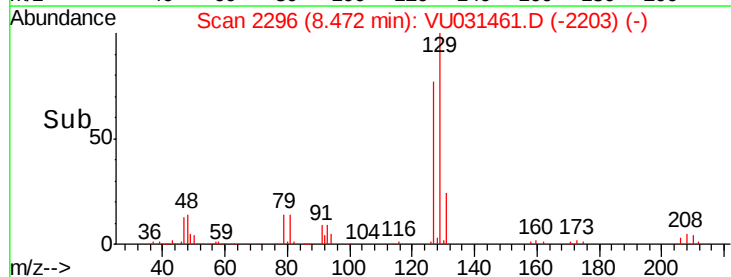
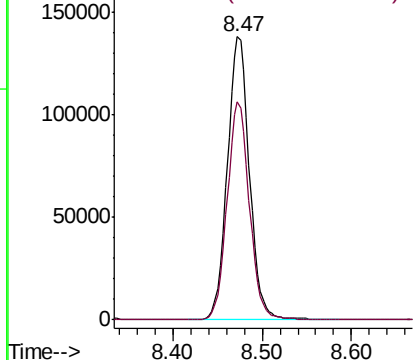


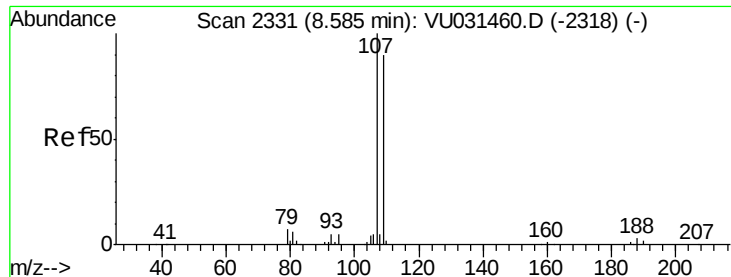
#49
Dibromochloromethane
Concen: 8.700 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

Tgt Ion: 129 Resp: 236891
Ion Ratio Lower Upper
129 100
127 77.3 56.6 105.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

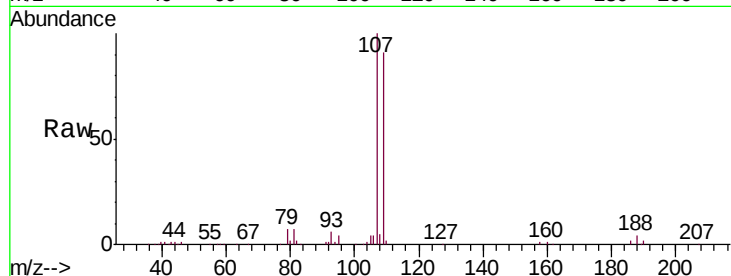




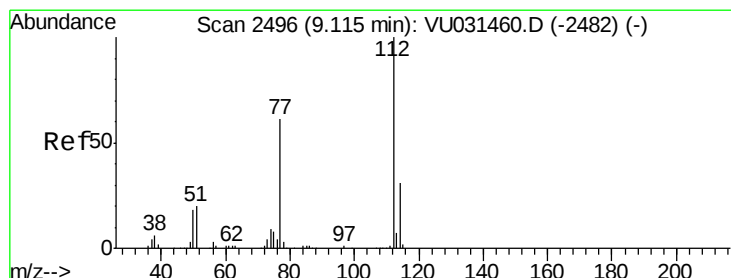
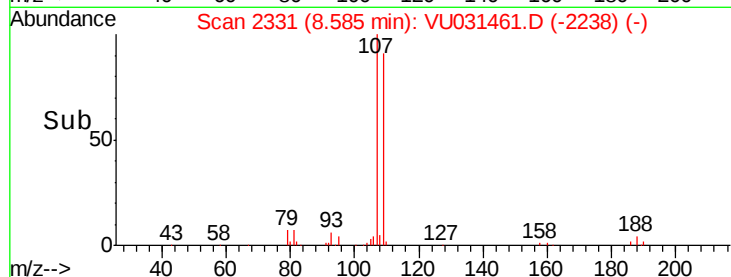
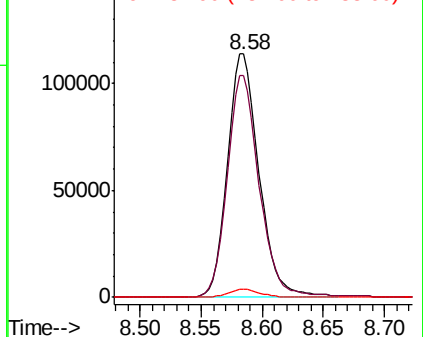
#50
1,2-Dibromoethane
Concen: 9.397 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01007

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.3	63.1	117.3
188	3.5	2.2	3.4#

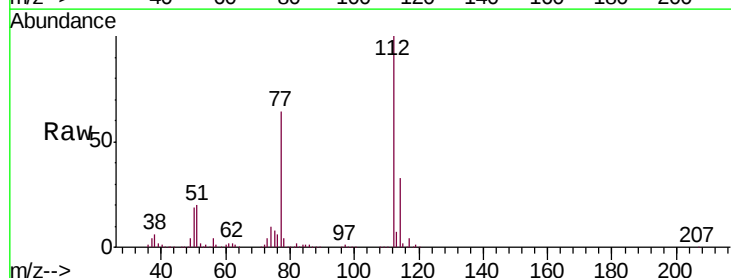


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

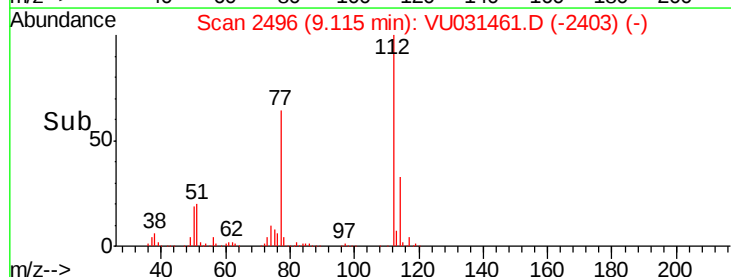
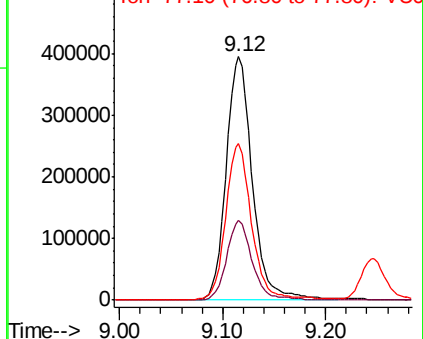


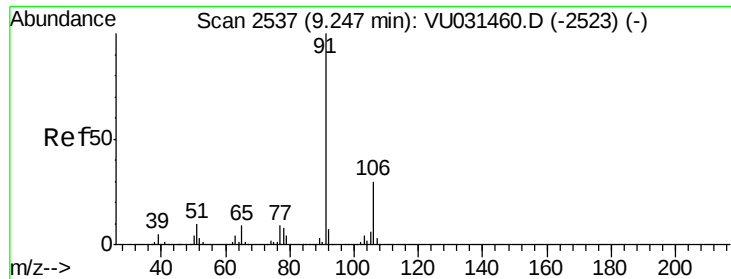
#51
Chlorobenzene
Concen: 9.091 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	21.9	40.7
77	64.3	48.9	73.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 9.776 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

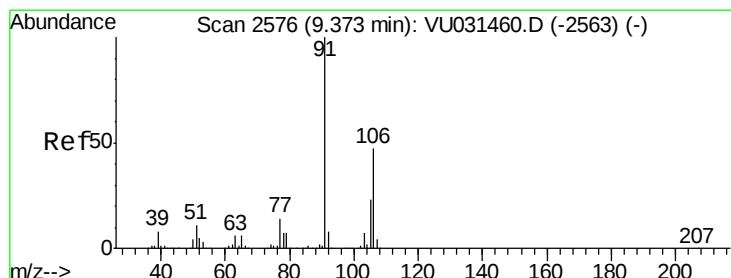
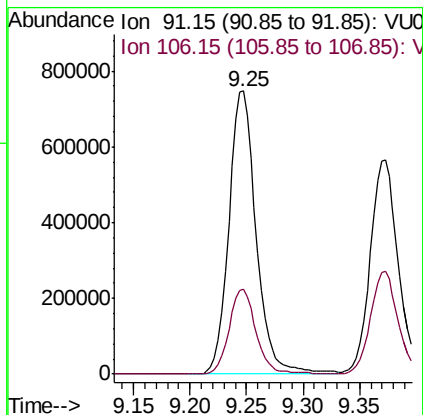
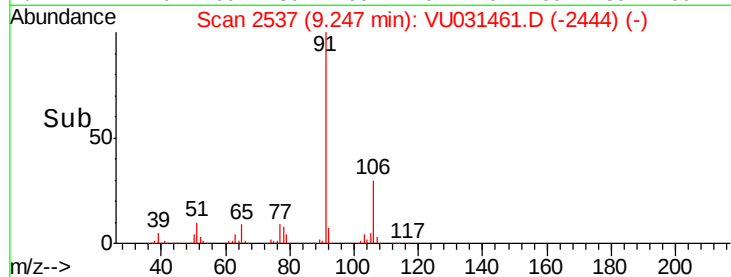
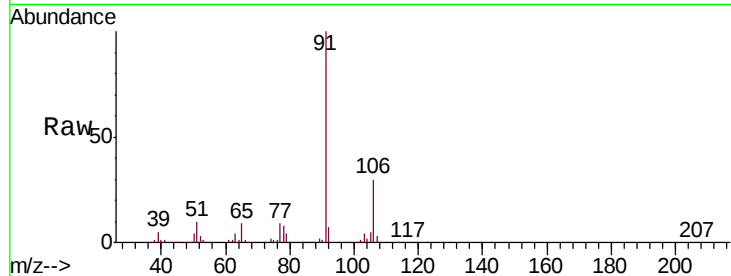
VSTD01007

Tgt Ion: 91 Resp: 1257986

Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.6



#53

m,p-Xylene

Concen: 10.003 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031461.D

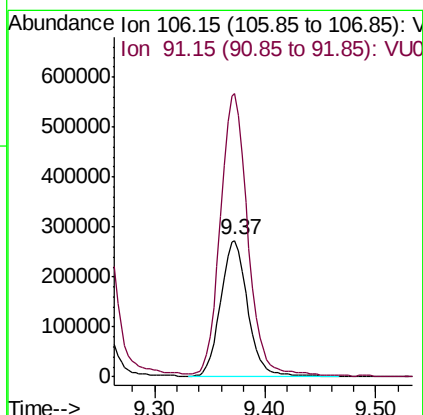
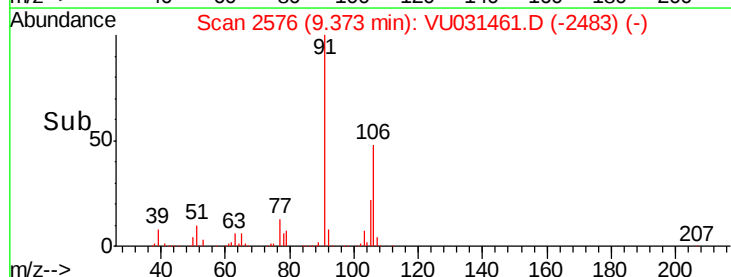
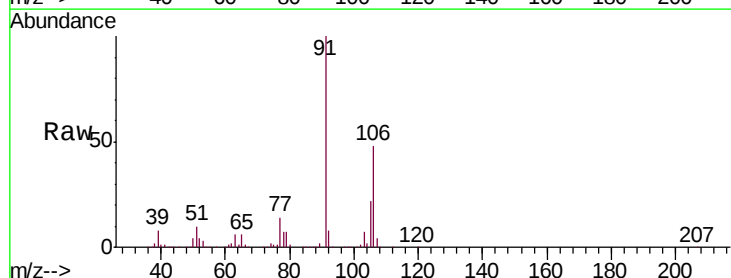
Acq: 24 Apr 2019 11:08

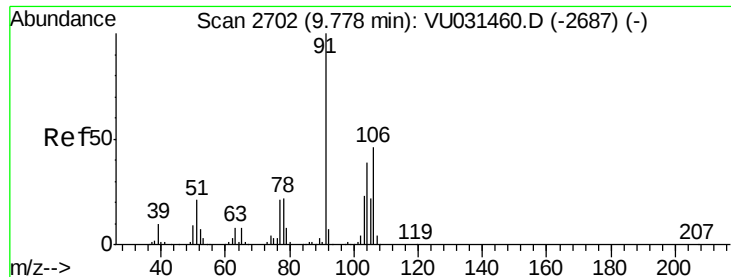
Tgt Ion: 106 Resp: 460829

Ion Ratio Lower Upper

106 100

91 207.2 147.8 274.4

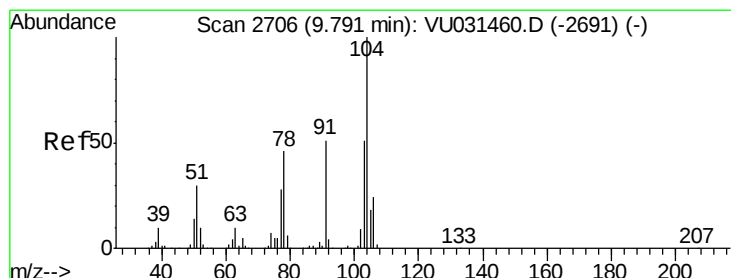
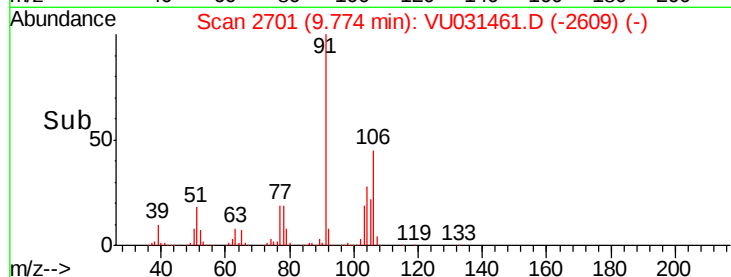
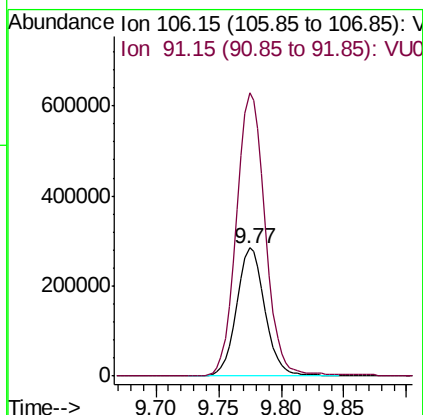
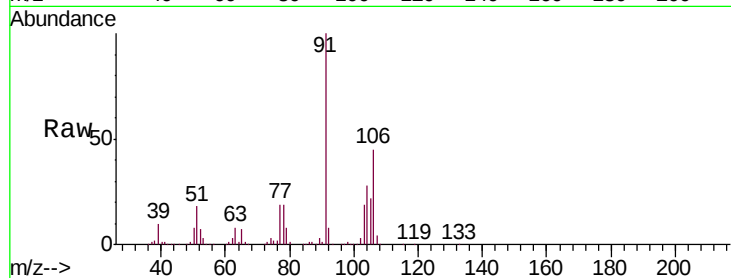




#54
o-Xylene
Concen: 9.830 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

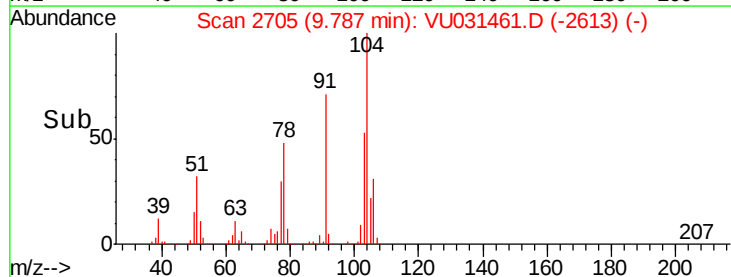
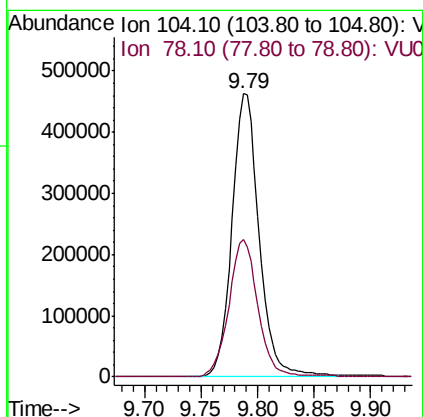
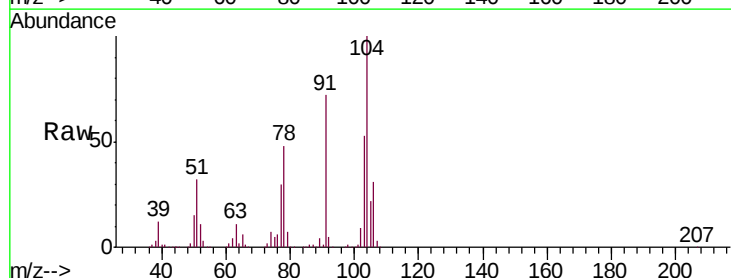
Instrument :
MSVOA_U
ClientSampleId :
VSTD01007

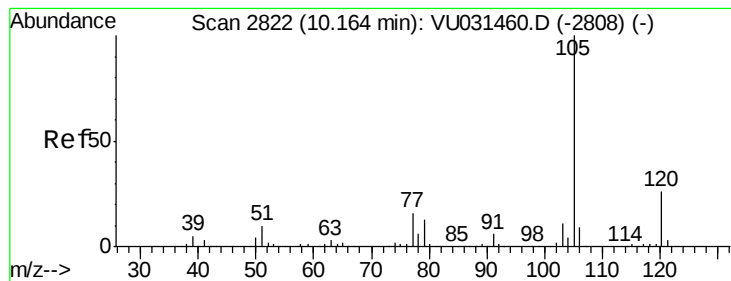
Tgt Ion:106 Resp: 447721
Ion Ratio Lower Upper
106 100
91 220.8 152.7 283.7



#55
Styrene
Concen: 10.248 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU031461.D
Acq: 24 Apr 2019 11:08

Tgt Ion:104 Resp: 774790
Ion Ratio Lower Upper
104 100
78 48.5 32.1 59.5





#56

Isopropylbenzene

Concen: 10.155 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

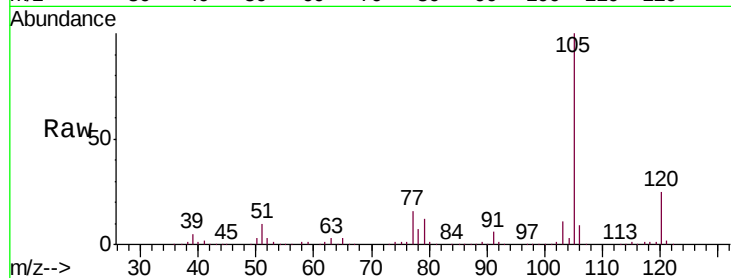
Tgt Ion: 105 Resp: 1212772

Ion Ratio Lower Upper

105 100

120 24.9 20.8 31.2

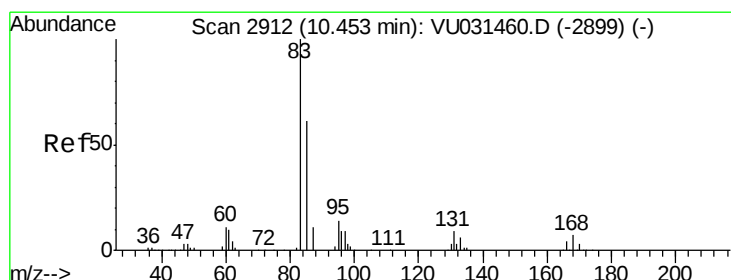
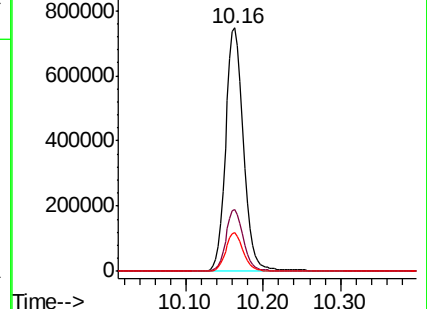
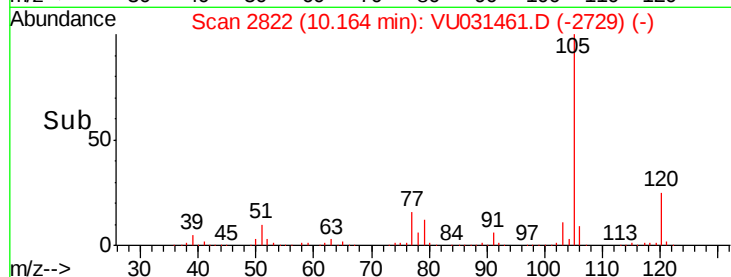
77 15.5 13.2 19.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.120 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

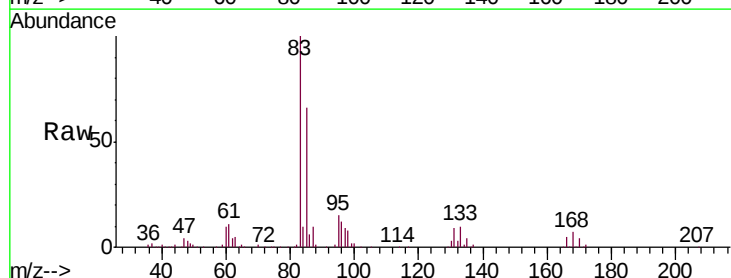
Tgt Ion: 83 Resp: 269428

Ion Ratio Lower Upper

83 100

85 65.6 42.8 79.4

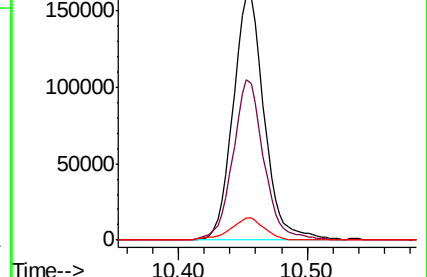
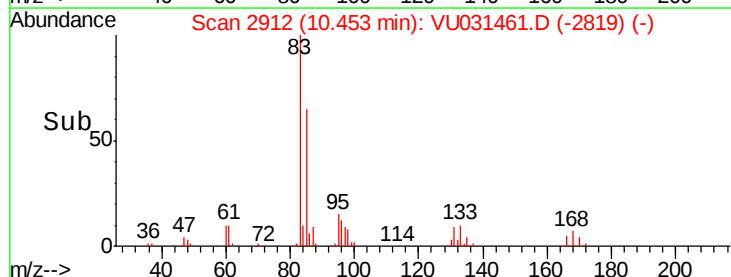
131 8.9 7.0 10.4

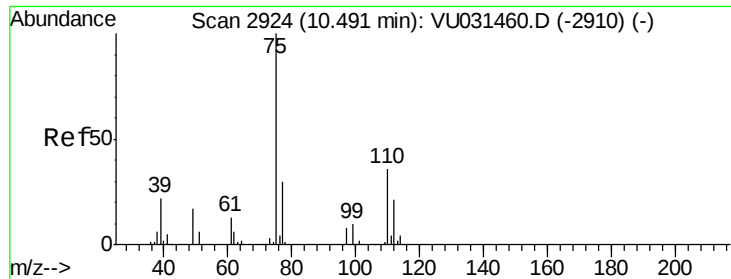


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

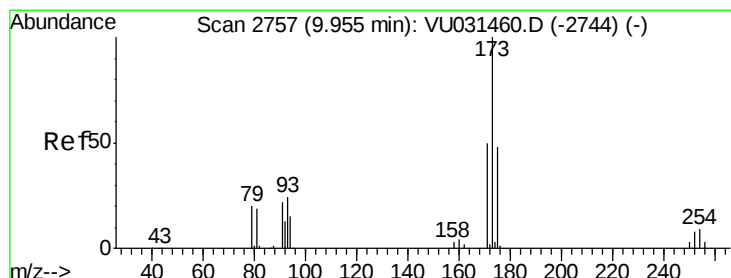
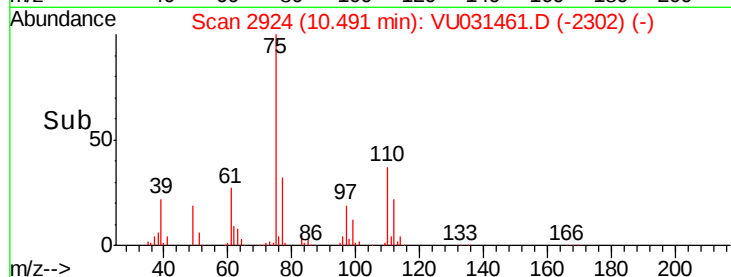
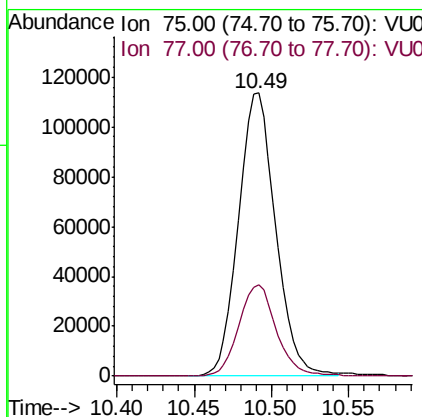
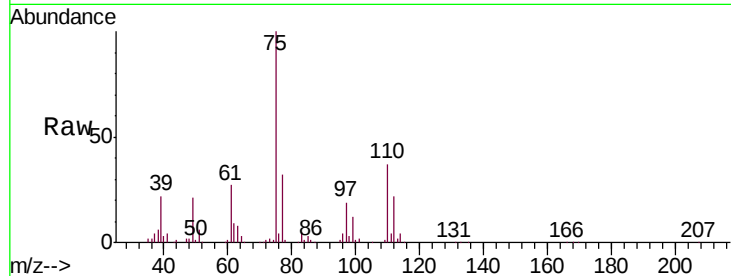




#59
 1,2,3-Trichloropropane
 Concen: 8.957 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

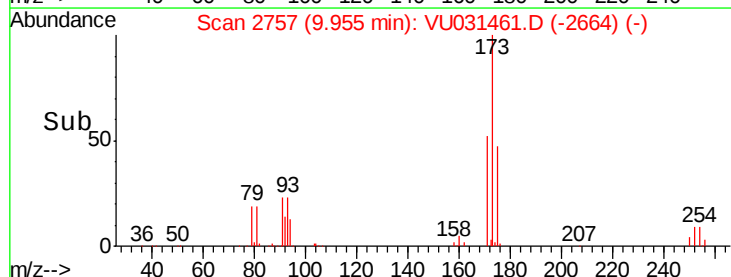
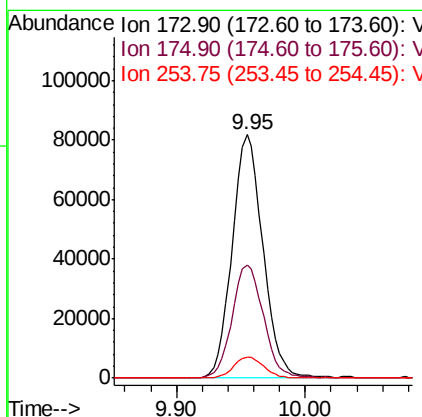
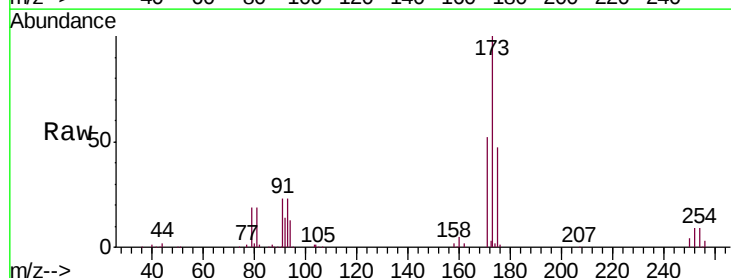
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01007

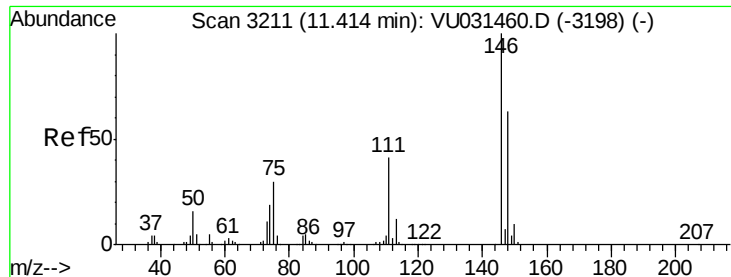
Tgt Ion: 75 Resp: 190210
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5



#61
 Bromoform
 Concen: 8.470 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Tgt Ion: 173 Resp: 135748
 Ion Ratio Lower Upper
 173 100
 175 47.3 39.9 59.9
 254 8.7 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 9.205 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

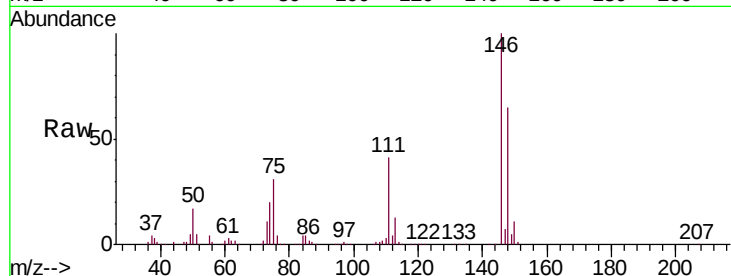
Tgt Ion:146 Resp: 510041

Ion Ratio Lower Upper

146 100

111 40.8 28.5 52.9

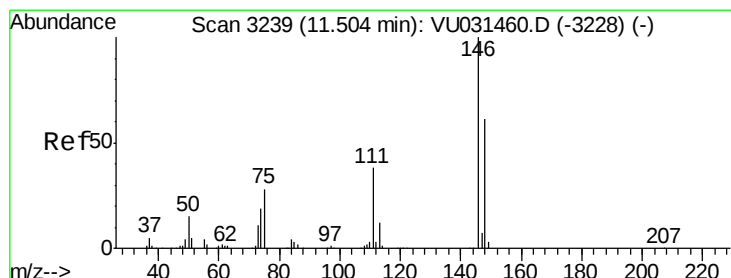
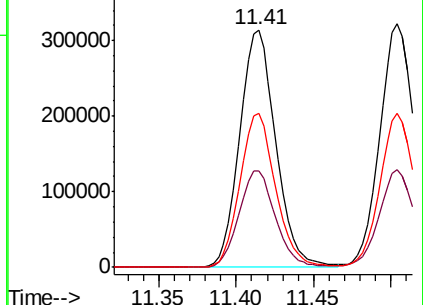
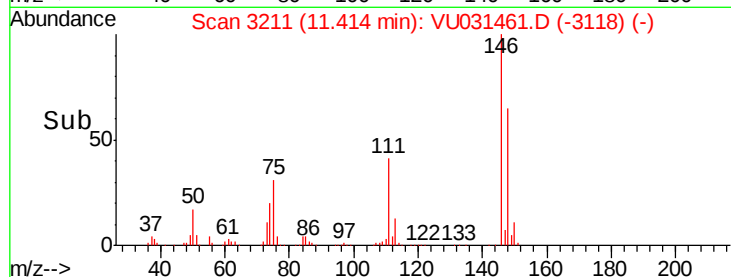
148 64.9 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.276 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

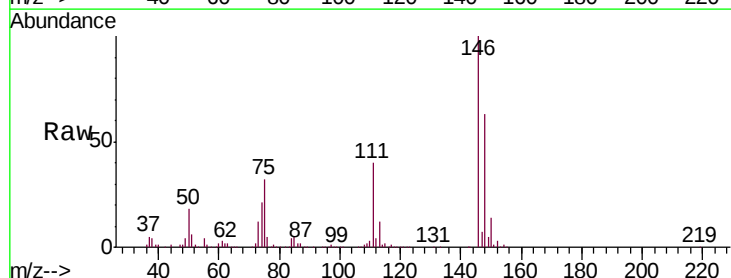
Tgt Ion:146 Resp: 518374

Ion Ratio Lower Upper

146 100

111 40.0 26.7 49.5

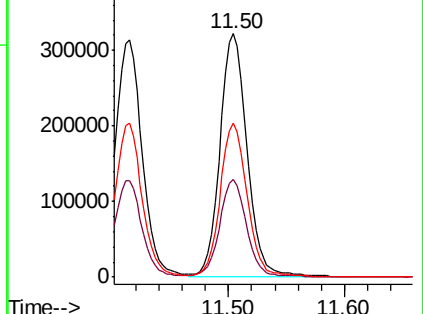
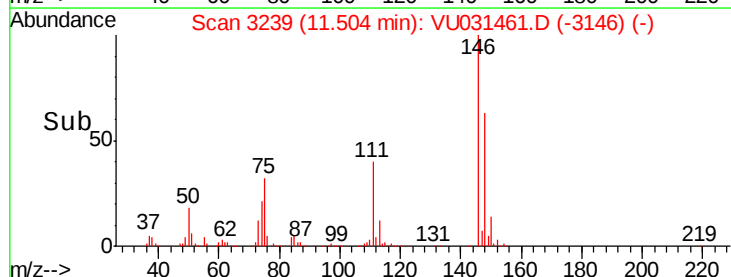
148 63.2 43.3 80.3

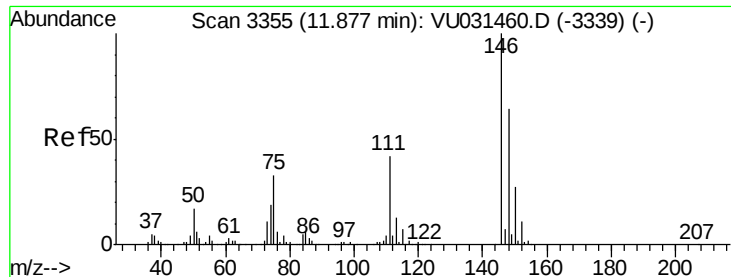


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 8.958 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

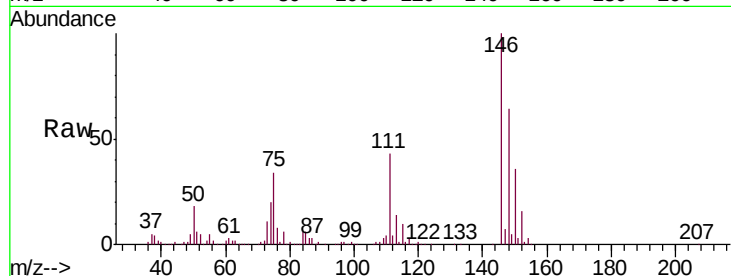
Tgt Ion:146 Resp: 500137

Ion Ratio Lower Upper

146 100

111 42.9 34.0 51.0

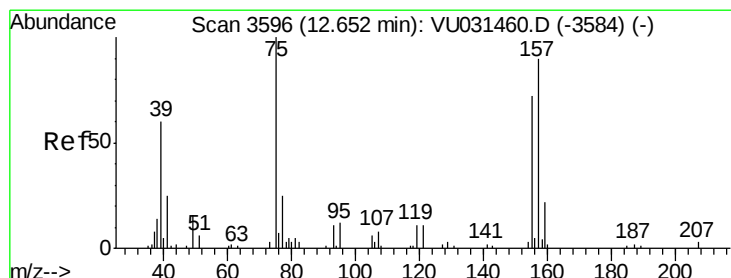
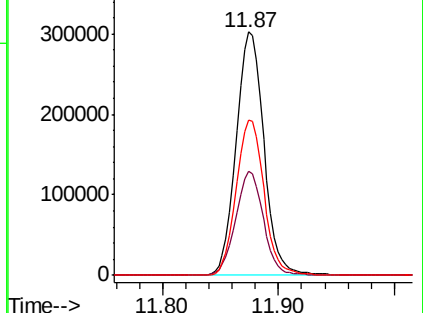
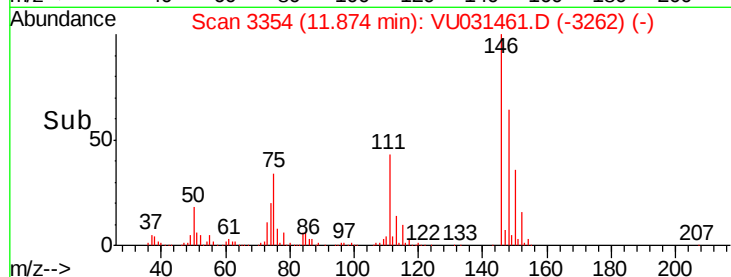
148 63.8 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 9.122 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

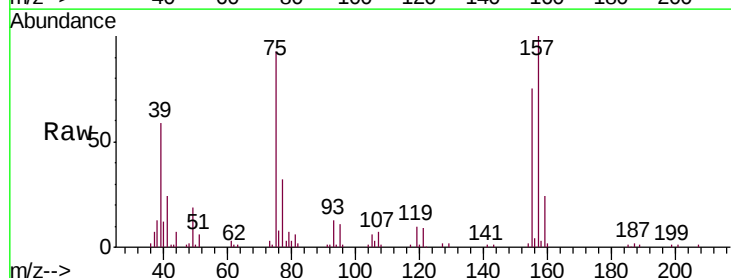
Tgt Ion: 75 Resp: 41685

Ion Ratio Lower Upper

75 100

155 80.5 57.2 85.8

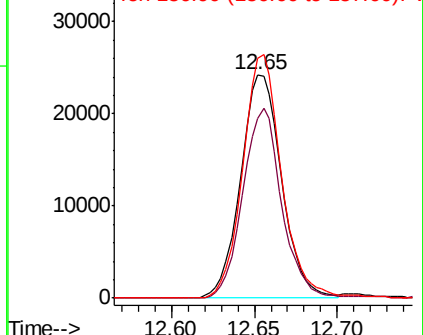
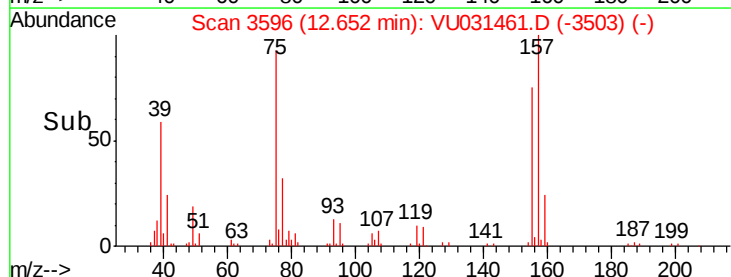
157 107.3 71.9 107.9

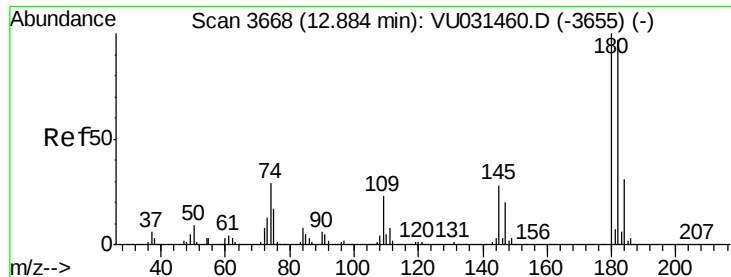


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

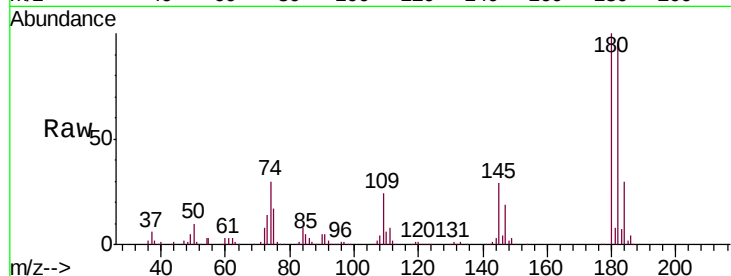




#67
 1,3,5-Trichlorobenzene
 Concen: 8.837 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01007

Tgt Ion:	180	Resp:	398876
Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.8	116.6
184	29.9	24.6	36.8
145	29.3	23.8	35.8



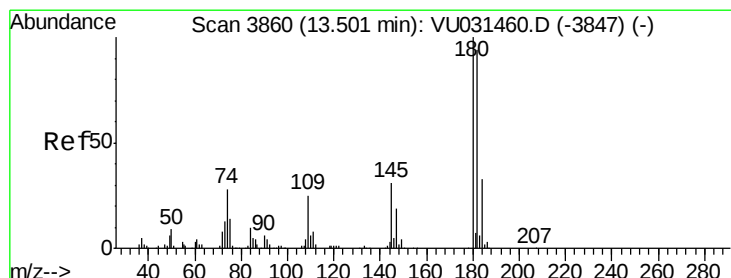
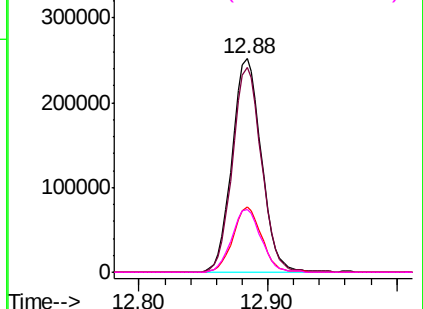
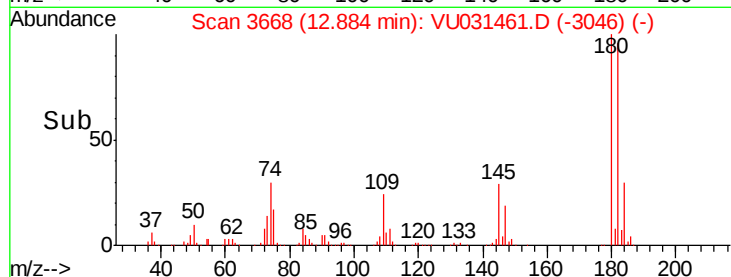
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

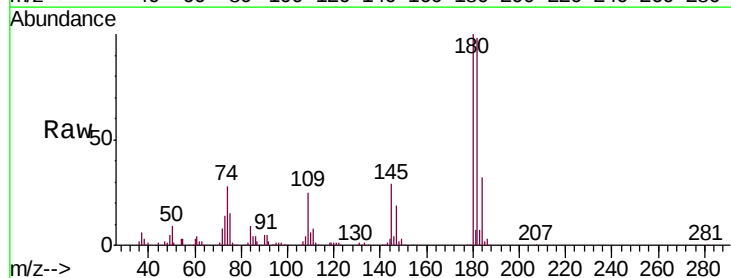
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.031 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031461.D
 Acq: 24 Apr 2019 11:08

Tgt Ion:	180	Resp:	326956
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.9	115.3
145	29.2	24.2	36.4

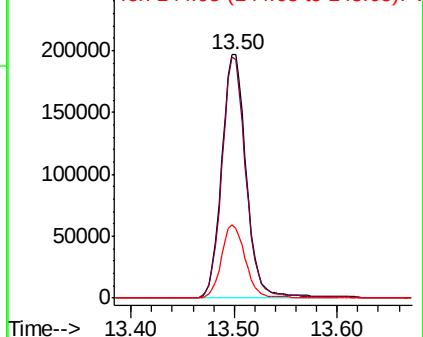
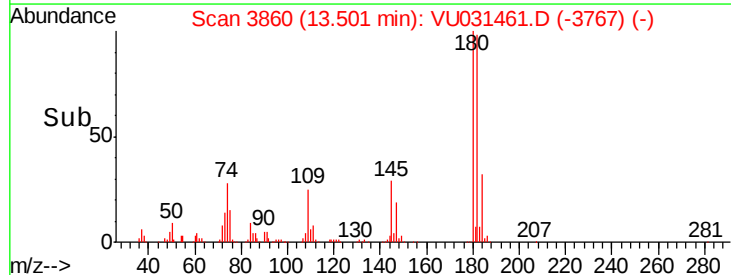


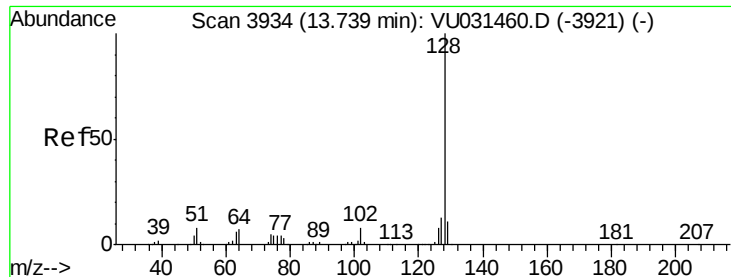
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 9.772 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01007

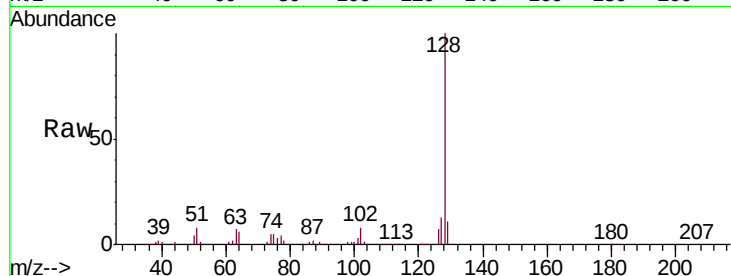
Tgt Ion:128 Resp: 644169

Ion Ratio Lower Upper

128 100

129 11.1 8.0 12.0

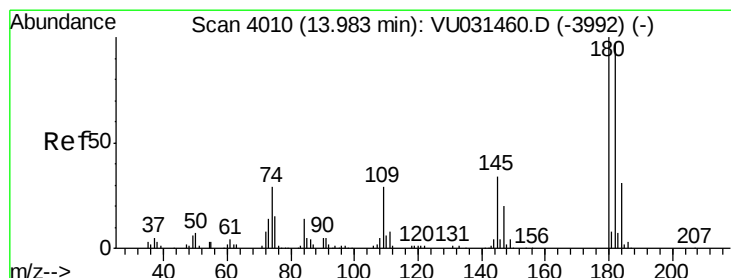
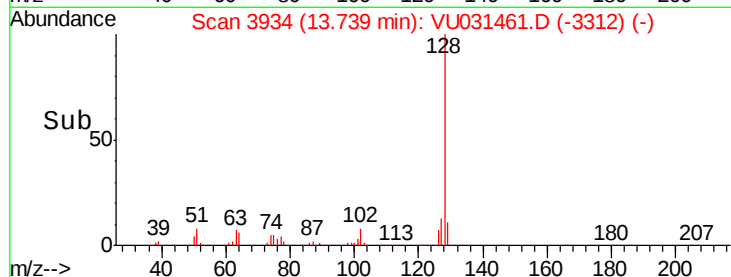
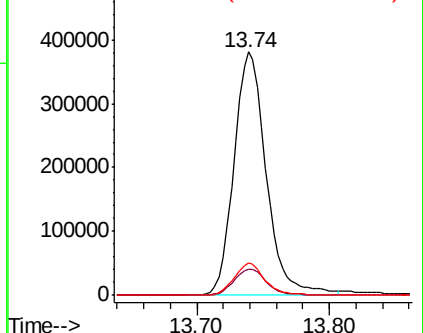
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.786 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031461.D

Acq: 24 Apr 2019 11:08

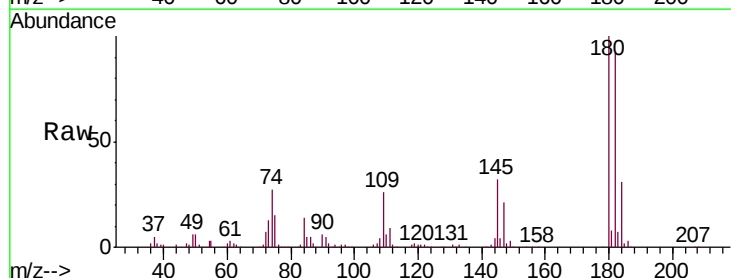
Tgt Ion:180 Resp: 318205

Ion Ratio Lower Upper

180 100

182 96.1 76.4 114.6

145 32.3 25.8 38.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

