

Data File : VU031463.D
Acq On : 24 Apr 2019 11:57
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV09

Quant Time: Apr 25 06:04:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:01:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	371374	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	351129	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	164029	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	153679	5.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.68	69	118477	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.27	63	297292	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.20%
20) 2-Butanone-d5	4.21	46	443732	55.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.34%
24) Chloroform-d	4.64	84	244124	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.31	65	128667	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.34	84	496545	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.33	67	163128	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.56	98	448243	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	7.85	79	64306	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.31	63	332542	55.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	130467	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	152118	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	172819	5.423 ug/L	98
3) Chloromethane	1.32	50	209558	5.338 ug/L	99
5) Vinyl chloride	1.40	62	202017	5.213 ug/L	97
6) Bromomethane	1.63	94	108049	5.430 ug/L	97
8) Chloroethane	1.70	64	115416	5.262 ug/L	96
9) Trichlorofluoromethane	1.88	101	238133	5.336 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	137698	5.335 ug/L	98
12) 1,1-Dichloroethene	2.28	96	136212	5.278 ug/L	98
13) Acetone	2.36	43	301181	53.174 ug/L	97
14) Carbon disulfide	2.47	76	464978	5.419 ug/L	99
15) Methyl Acetate	2.63	43	81677	5.222 ug/L	99
16) Methylene chloride	2.70	84	151678	5.197 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	385807	5.296 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	143731	5.290 ug/L	96
19) 1,1-Dichloroethane	3.44	63	271675	5.255 ug/L	99
21) 2-Butanone	4.30	43	487623	56.621 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	149158	5.305 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	66049	5.461	ug/L	96
25) Chloroform	4.67	83	252529	5.266	ug/L	97
27) 1,2-Dichloroethane	5.40	62	172701	5.480	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	216265	5.384	ug/L	98
30) Cyclohexane	4.99	56	259417	5.365	ug/L	99
31) Carbon tetrachloride	5.13	117	185208	5.360	ug/L	100
33) Benzene	5.38	78	576252	5.311	ug/L	100
34) Trichloroethene	6.18	95	150139	5.250	ug/L	96
35) Methylcyclohexane	6.41	83	228677	5.405	ug/L	99
37) 1,2-Dichloropropane	6.43	63	150768	5.185	ug/L	98
38) Bromodichloromethane	6.75	83	181131	5.324	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	219258	5.425	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1104020	55.487	ug/L	99
42) Toluene	7.63	91	600197	5.510	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	173719	5.556	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	107608	5.431	ug/L	98
47) Tetrachloroethene	8.22	164	106968	5.354	ug/L	95
48) 2-Hexanone	8.36	43	800535	57.360	ug/L	98
49) Dibromochloromethane	8.47	129	118682	5.345	ug/L	99
50) 1,2-Dibromoethane	8.58	107	103229	5.427	ug/L	98
51) Chlorobenzene	9.12	112	356748	5.400	ug/L	98
52) Ethylbenzene	9.25	91	625189	5.392	ug/L	99
53) m,p-Xylene	9.37	106	233802	5.663	ug/L	99
54) o-Xylene	9.77	106	225243	5.525	ug/L	97
55) Styrene	9.79	104	385145	5.712	ug/L	99
56) Isopropylbenzene	10.16	105	597777	5.550	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	133033	5.277	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	100741	5.500	ug/L	98
61) Bromoform	9.95	173	66993	5.191	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	257530	5.303	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	262416	5.188	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	253598	5.266	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	21460	5.328	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	198278	5.374	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	158894	5.467	ug/L	97
69) Naphthalene	13.74	128	328617	5.784	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	162609	5.669	ug/L	99

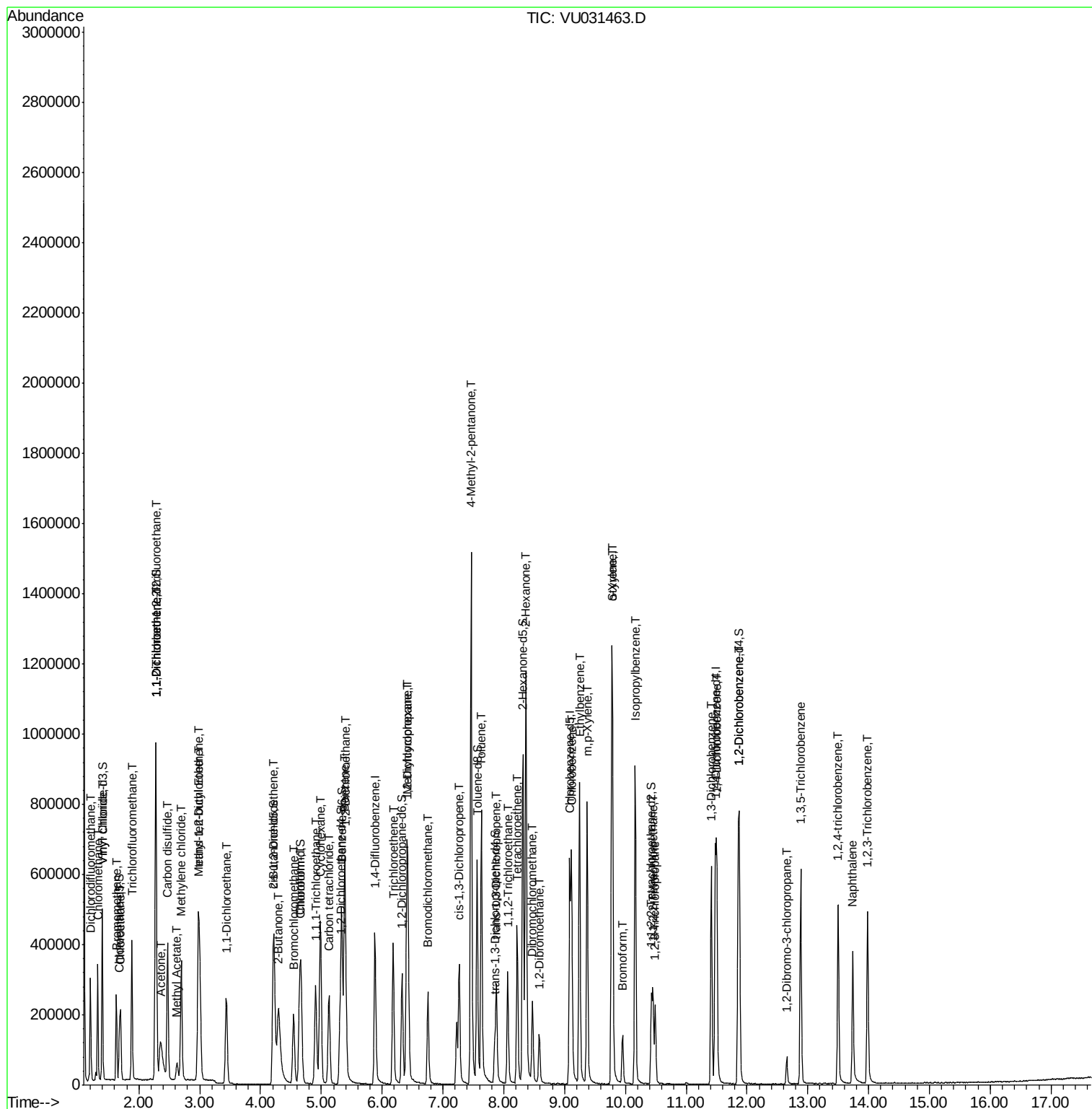
(#) = qualifier out of range (m) = manual integration (+) = signals summed

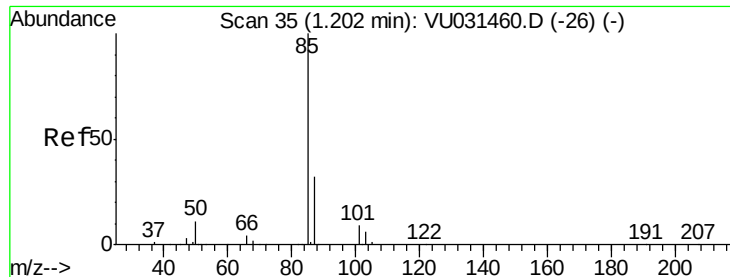
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#2

Dichlorodifluoromethane

Concen: 5.423 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

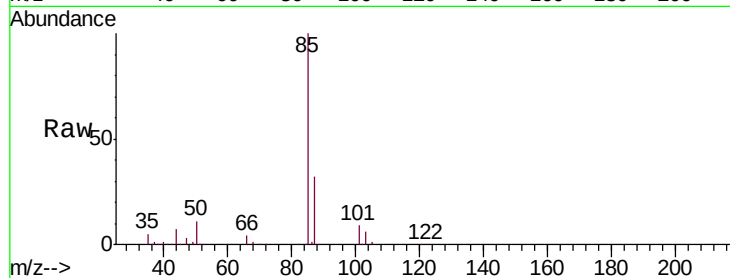
VICV09

Tgt Ion: 85 Resp: 172819

Ion Ratio Lower Upper

85 100

87 31.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU031460.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU031460.D (-26) (-)

1.20

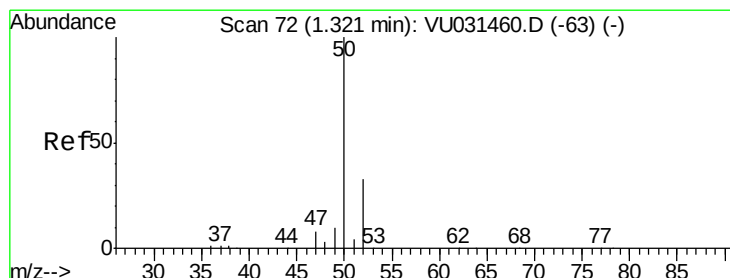
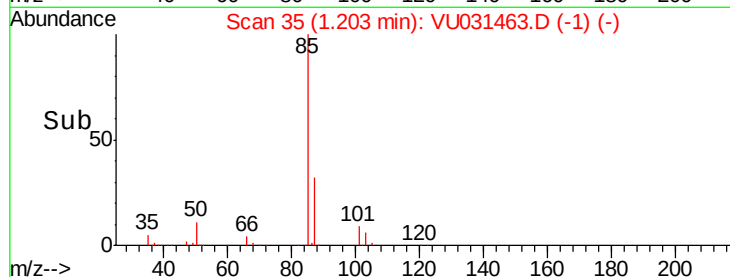
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.338 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031463.D

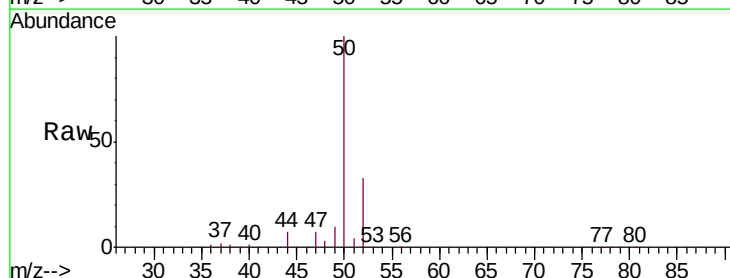
Acq: 24 Apr 2019 11:57

Tgt Ion: 50 Resp: 209558

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU031460.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU031460.D (-63) (-)

1.32

200000

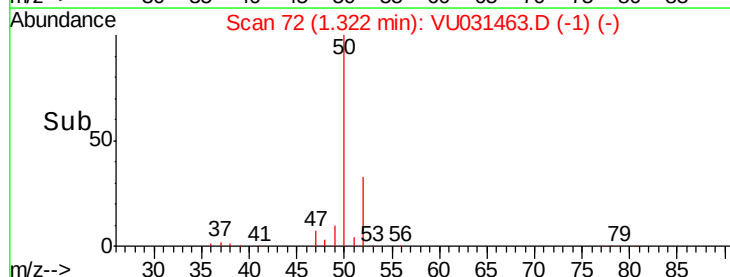
150000

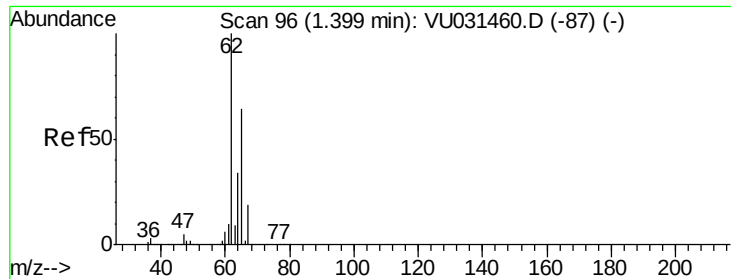
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.213 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

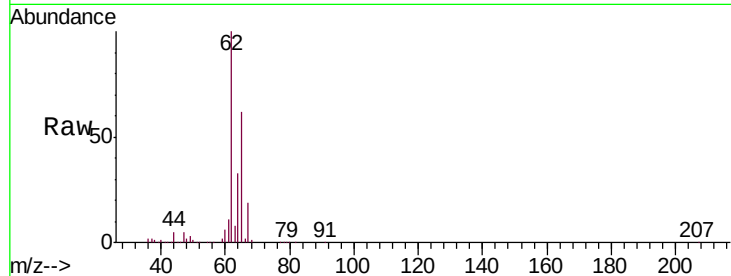
VICV09

Tgt Ion: 62 Resp: 202017

Ion Ratio Lower Upper

62 100

64 32.6 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VU031463.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031463.D (-87) (-)

1.40

200000

150000

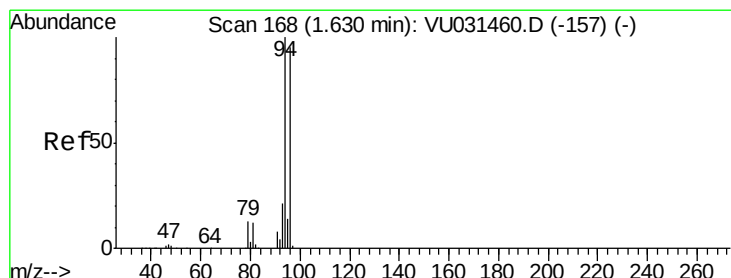
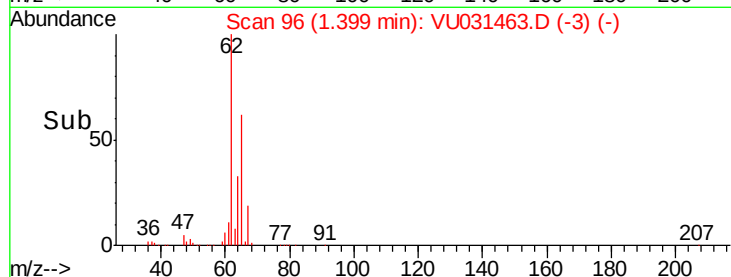
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 5.430 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031463.D

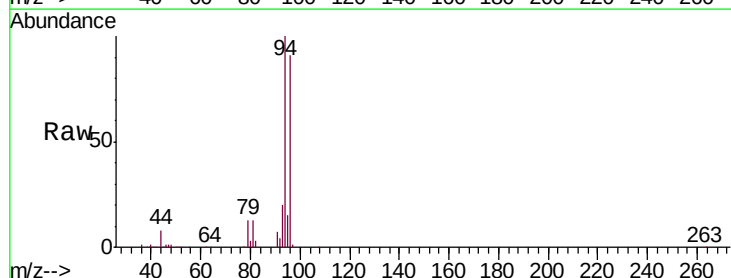
Acq: 24 Apr 2019 11:57

Tgt Ion: 94 Resp: 108049

Ion Ratio Lower Upper

94 100

96 91.4 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU031463.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU031463.D (-157) (-)

1.63

100000

80000

60000

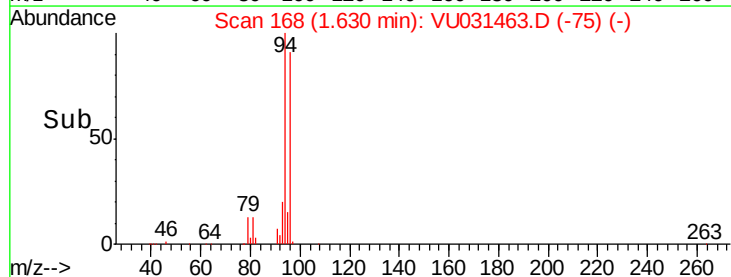
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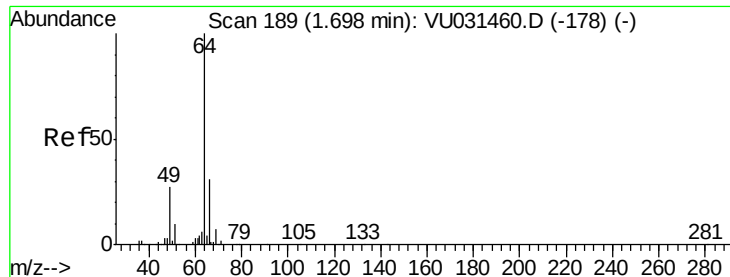
20000

0

1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 5.262 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

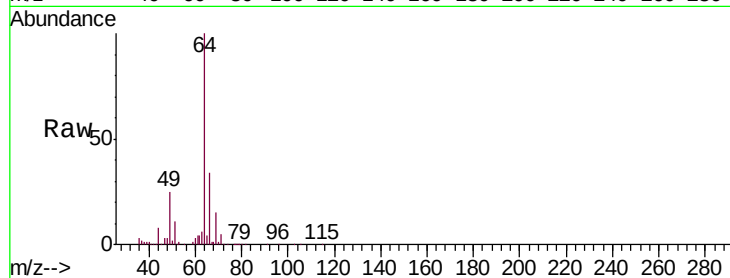
VICV09

Tgt Ion: 64 Resp: 115416

Ion Ratio Lower Upper

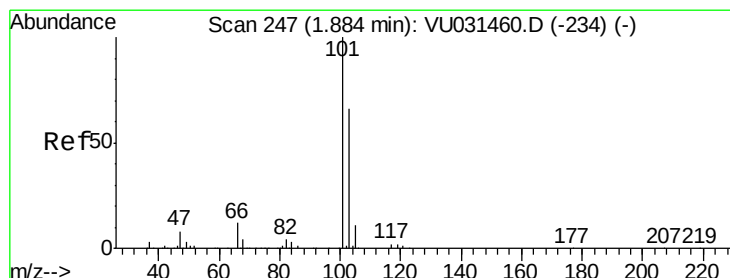
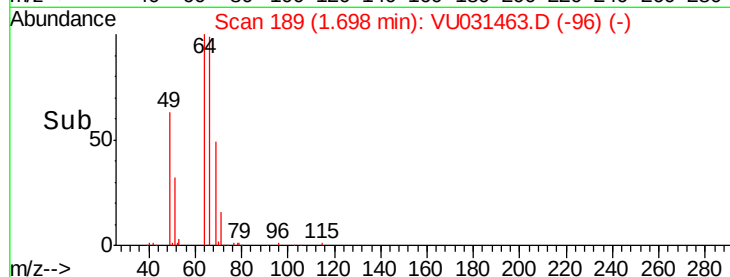
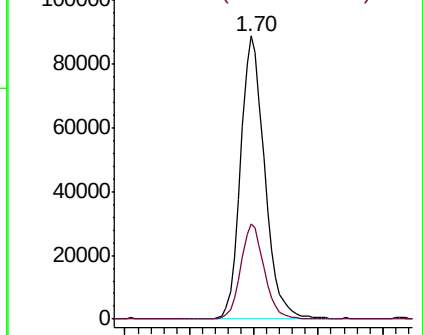
64 100

66 33.8 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU031463.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031463.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 5.336 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031463.D

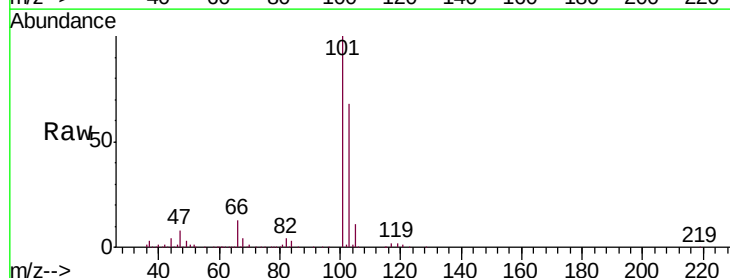
Acq: 24 Apr 2019 11:57

Tgt Ion: 101 Resp: 238133

Ion Ratio Lower Upper

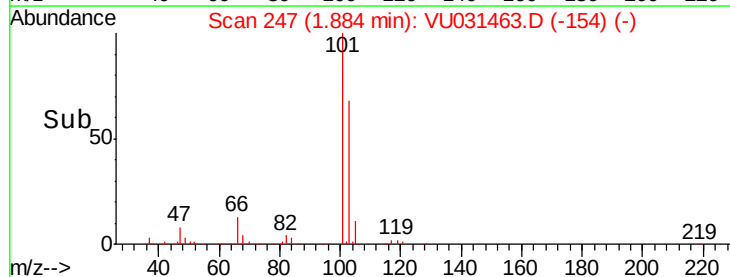
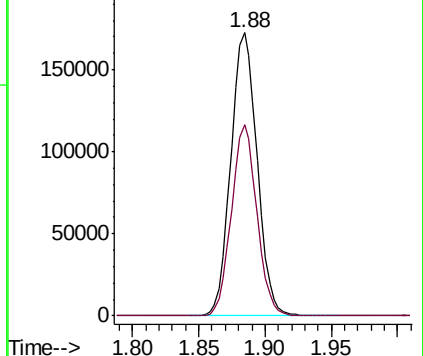
101 100

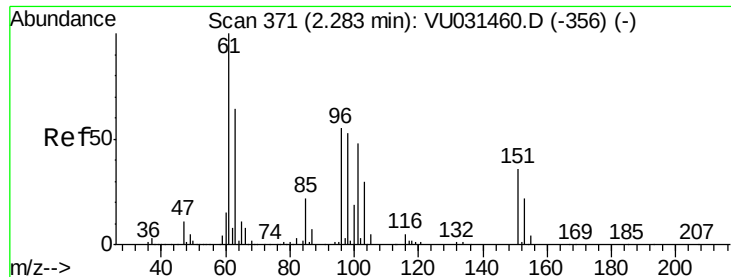
103 65.2 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU031463.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU031463.D (-234) (-)





#10

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

Concen: 5.335 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampled :

VICV09

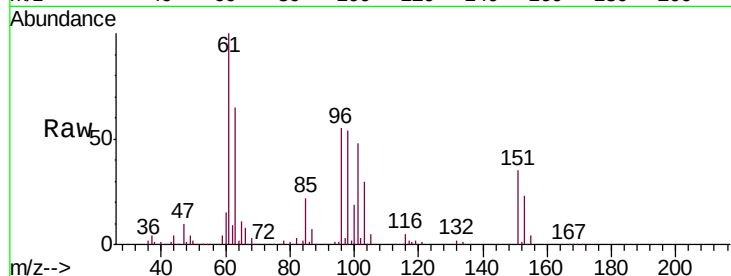
Tgt Ion: 101 Resp: 137698

Ion Ratio Lower Upper

101 100

85 43.5 35.8 53.6

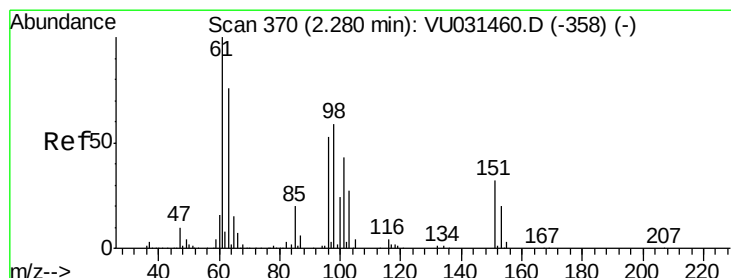
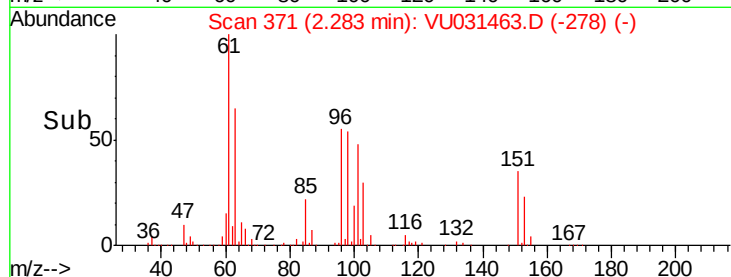
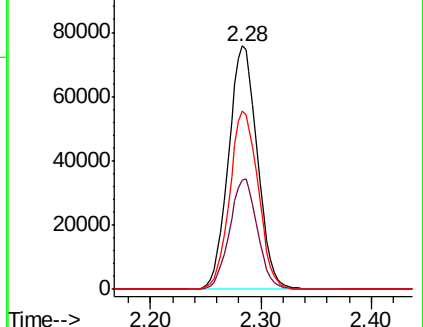
151 72.2 59.2 88.8



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: 5.278 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

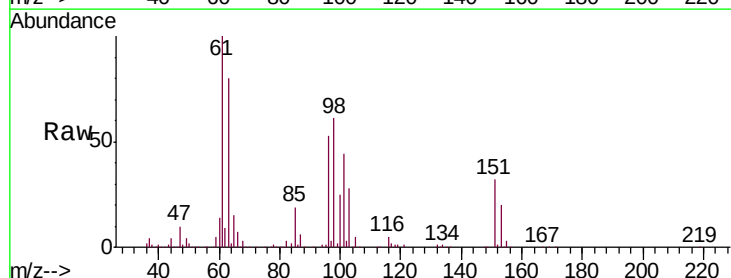
Tgt Ion: 96 Resp: 136212

Ion Ratio Lower Upper

96 100

61 188.1 131.3 243.8

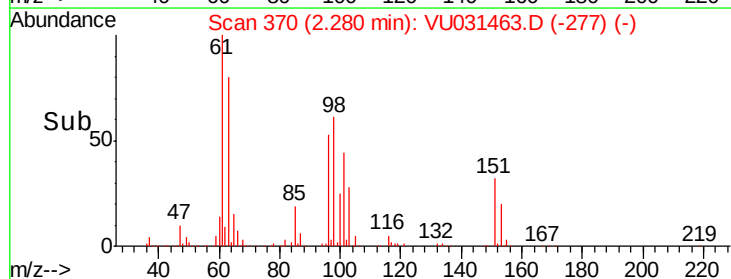
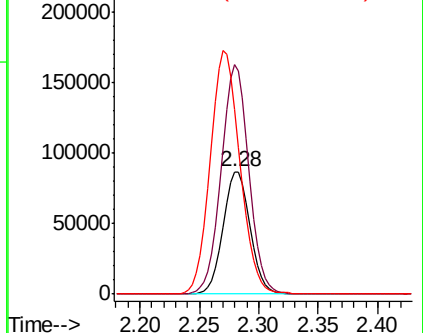
63 150.8 101.9 189.3

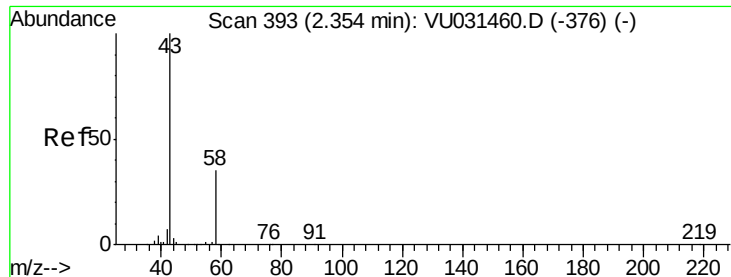


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.174 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU031463.D

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MSVOA_U

ClientSampleId :

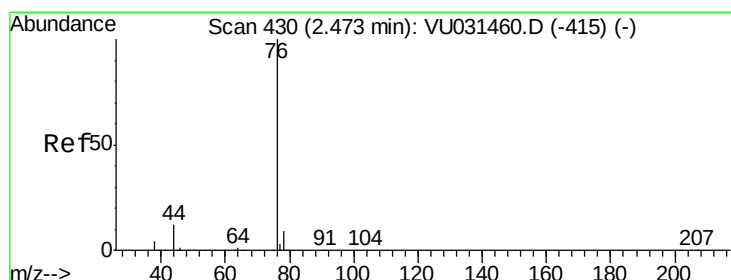
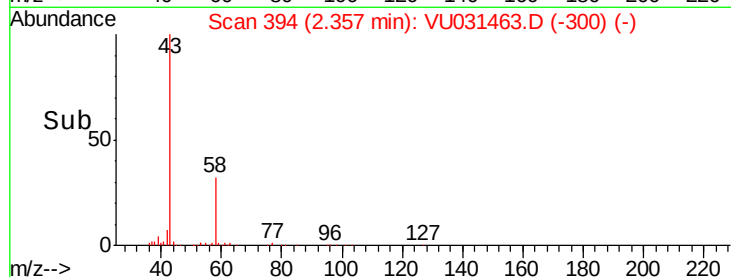
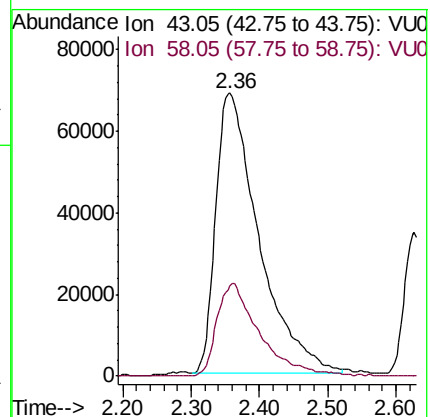
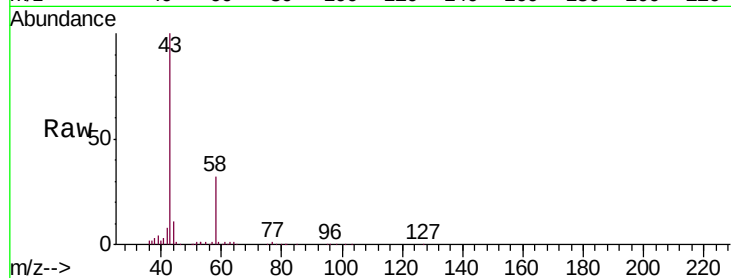
VICV09

Tgt Ion: 43 Resp: 301181

Ion Ratio Lower Upper

43 100

58 32.7 0.0 62.4



#14

Carbon disulfide

Concen: 5.419 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031463.D

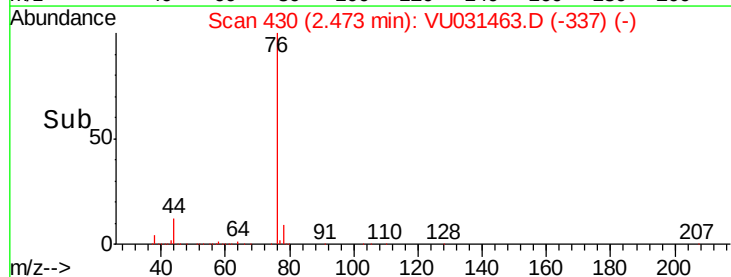
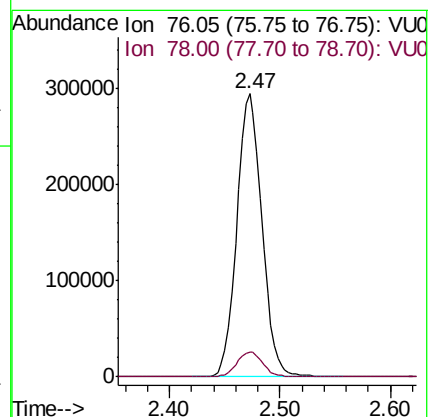
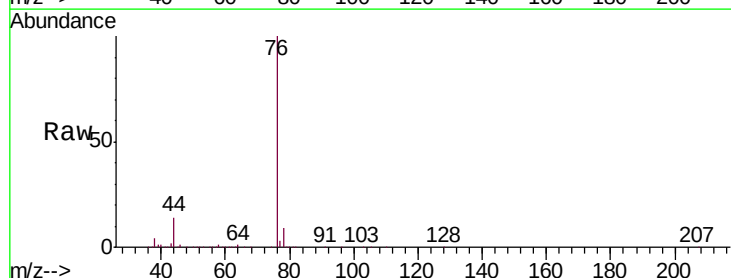
Acq: 24 Apr 2019 11:57

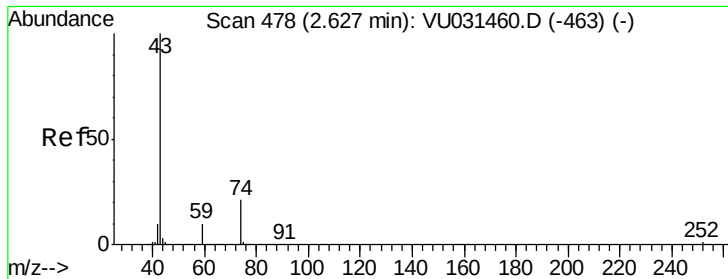
Tgt Ion: 76 Resp: 464978

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#15

Methyl Acetate

Concen: 5.222 ug/L

RT: 2.63 min Scan# 478

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

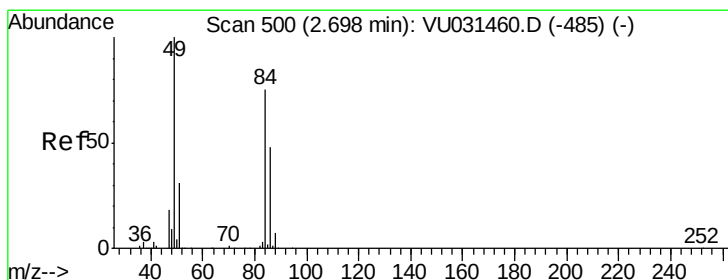
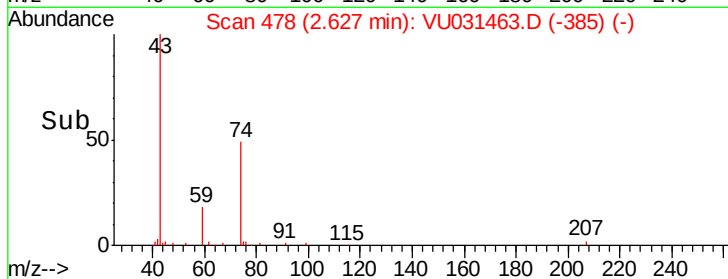
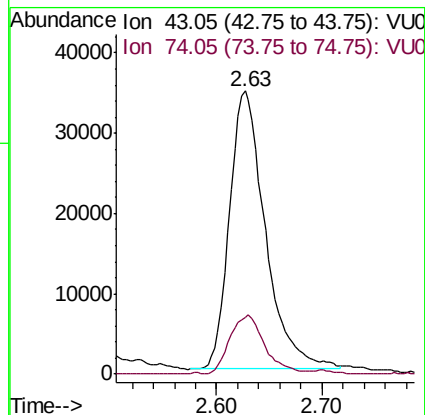
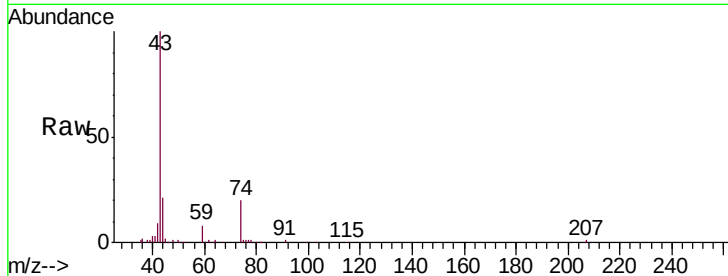
VICV09

Tgt Ion: 43 Resp: 81677

Ion Ratio Lower Upper

43 100

74 21.0 17.1 25.7



#16

Methylene chloride

Concen: 5.197 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

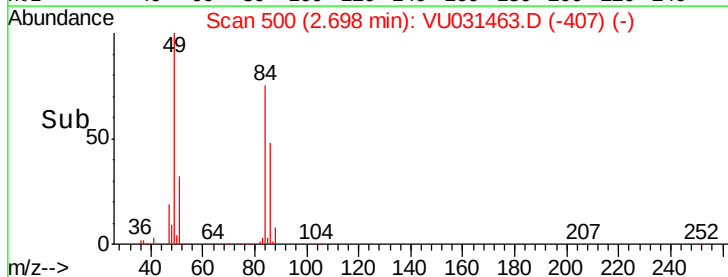
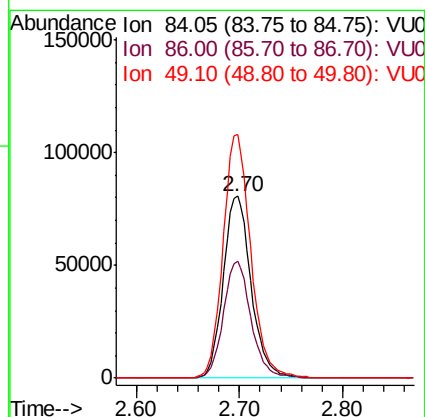
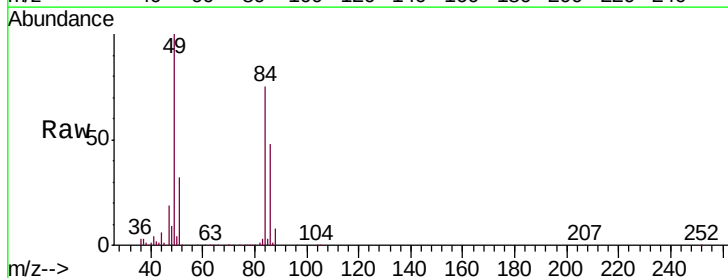
Tgt Ion: 84 Resp: 151678

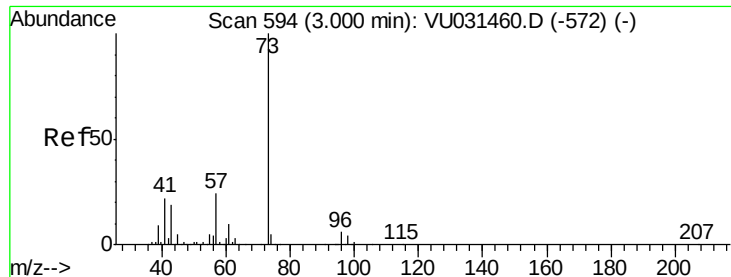
Ion Ratio Lower Upper

84 100

86 64.0 44.9 83.5

49 133.9 92.9 172.5





#17

Methyl tert-butyl Ether

Concen: 5.296 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

VICV09

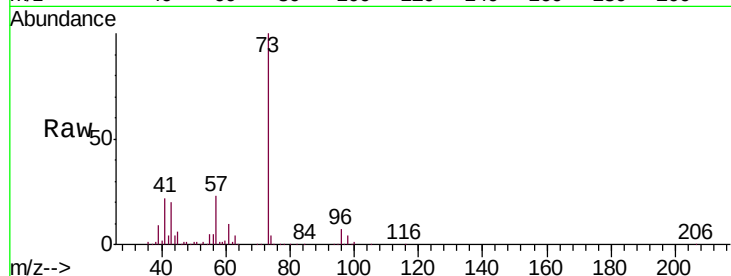
Tgt Ion: 73 Resp: 385807

Ion Ratio Lower Upper

73 100

43 19.4 15.4 23.0

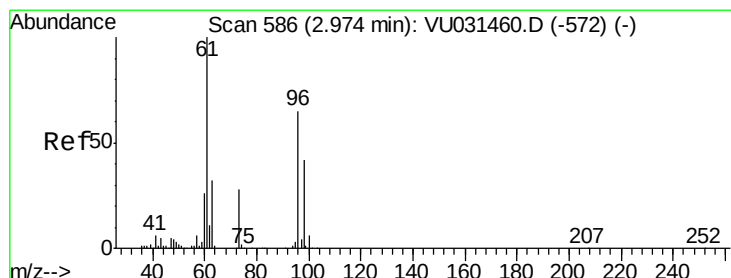
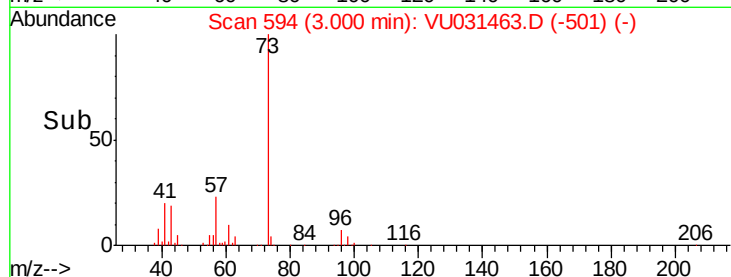
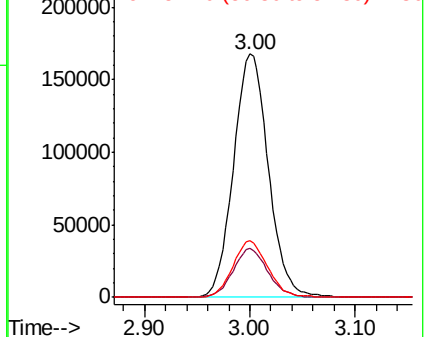
57 23.0 19.1 28.7



Abundance Ion 73.10 (72.80 to 73.80): VU031463.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU031463.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU031463.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.290 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

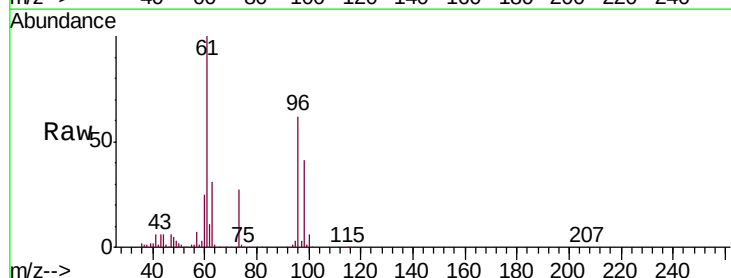
Tgt Ion: 96 Resp: 143731

Ion Ratio Lower Upper

96 100

61 161.2 108.4 201.2

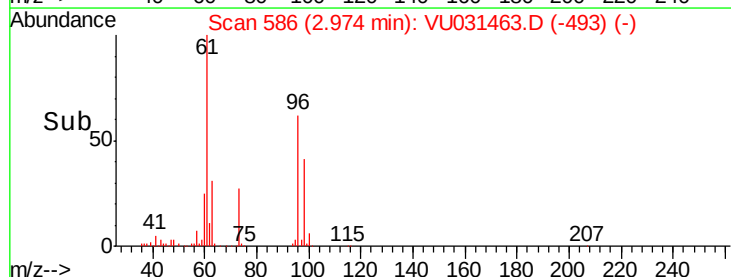
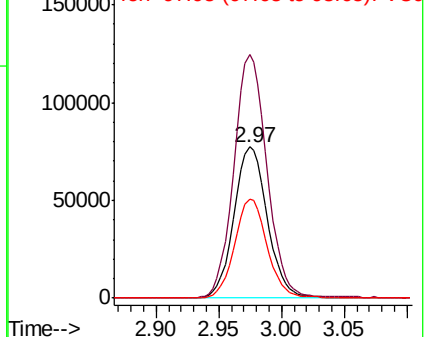
98 65.6 45.1 83.9

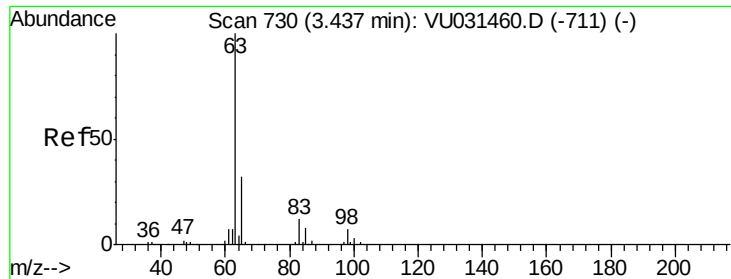


Abundance Ion 96.00 (95.70 to 96.70): VU031463.D (-493) (-)

Ion 61.05 (60.75 to 61.75): VU031463.D (-493) (-)

Ion 97.95 (97.65 to 98.65): VU031463.D (-493) (-)

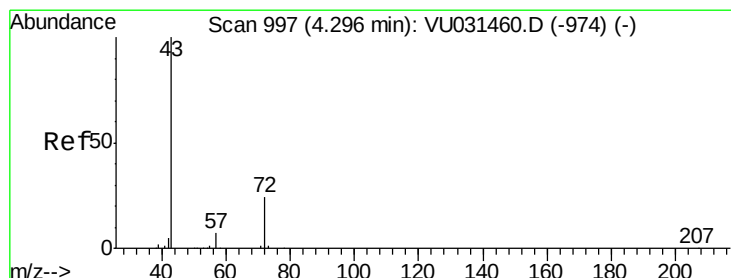
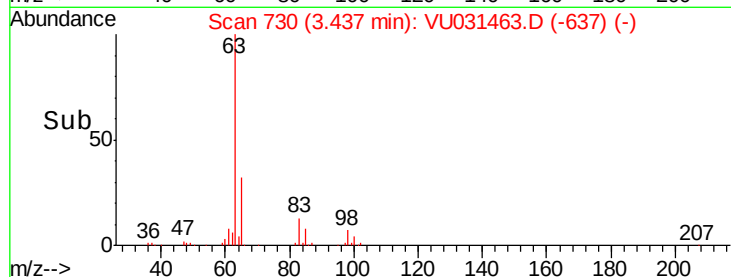
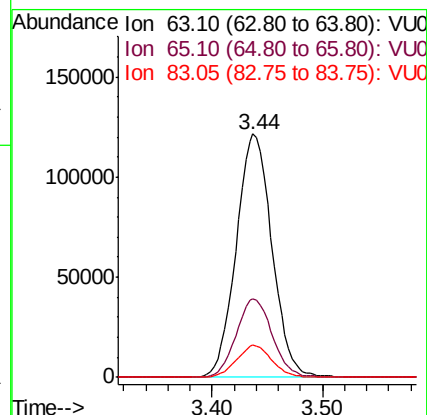
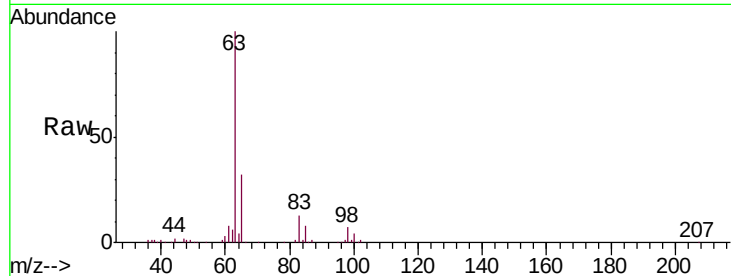




#19
 1,1-Dichloroethane
 Concen: 5.255 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

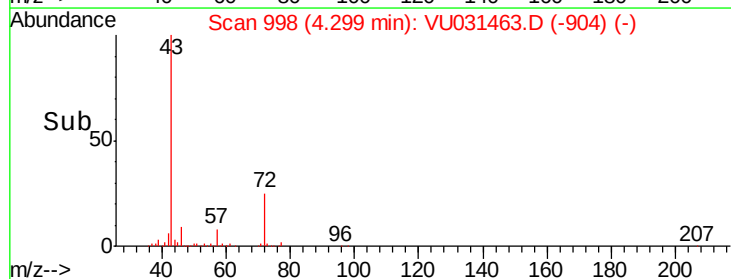
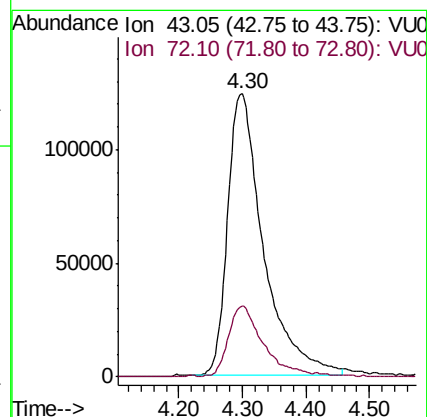
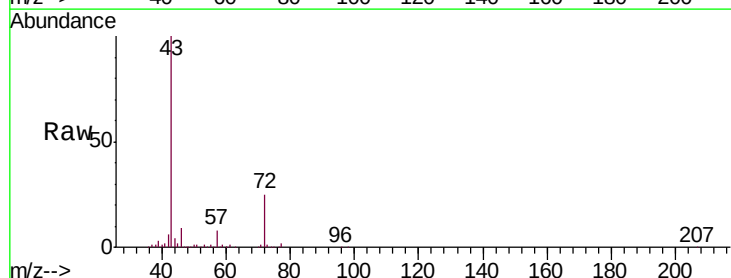
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV09

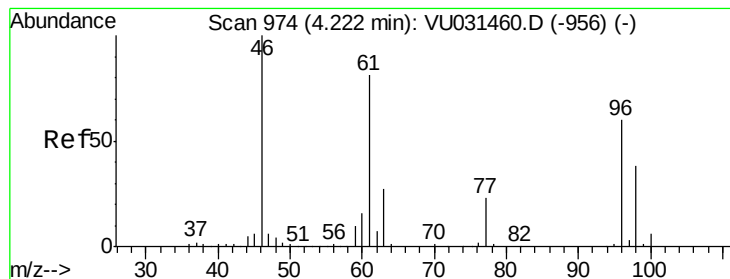
Tgt Ion: 63 Resp: 271675
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.5
 83 13.1 8.5 15.9



#21
 2-Butanone
 Concen: 56.621 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Tgt Ion: 43 Resp: 487623
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 5.305 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

VICV09

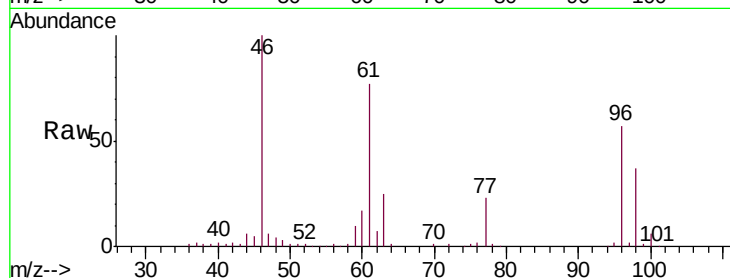
Tgt Ion: 96 Resp: 149158

Ion Ratio Lower Upper

96 100

61 135.1 94.8 176.2

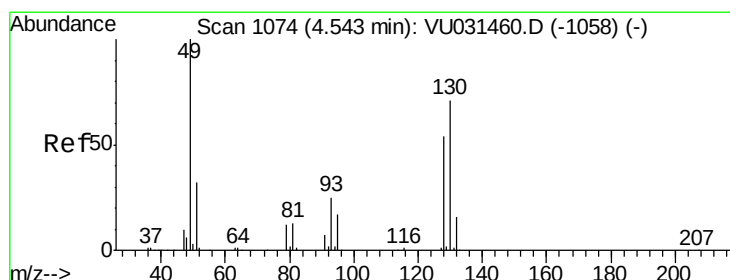
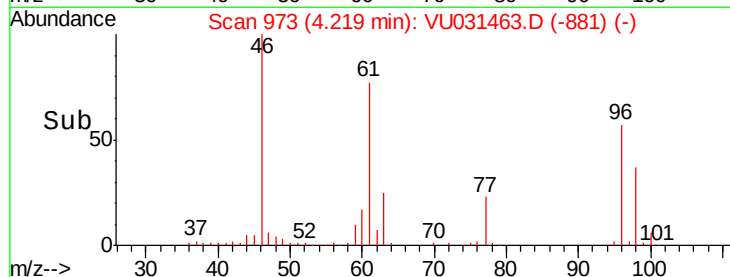
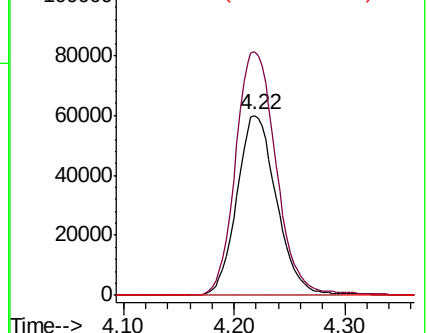
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031460.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU031460.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU031460.D (-956) (-)



#23

Bromochloromethane

Concen: 5.461 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Tgt Ion: 128 Resp: 66049

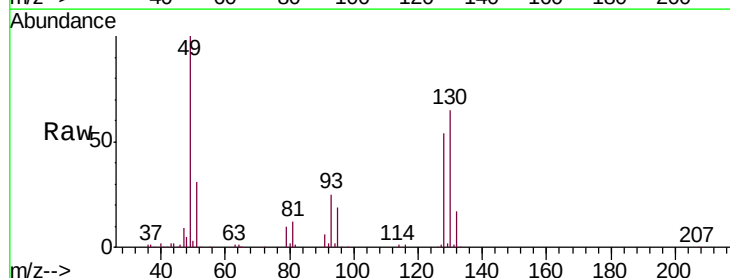
Ion Ratio Lower Upper

128 100

49 186.1 128.9 239.3

130 121.4 91.2 169.4

51 57.0 47.4 71.0

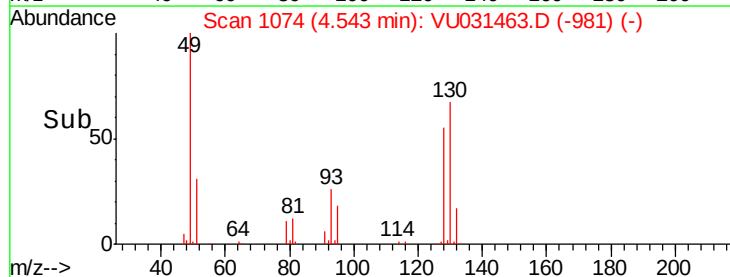
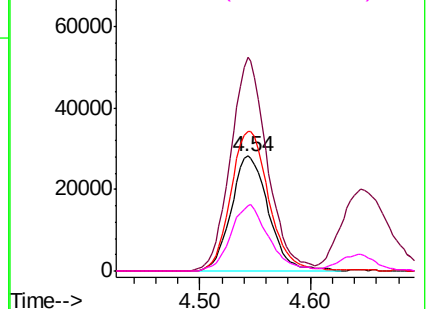


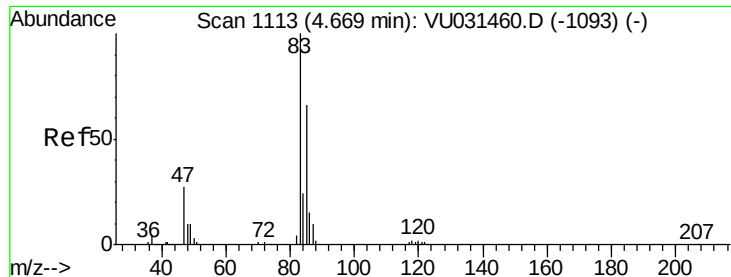
Abundance Ion 127.90 (127.60 to 128.60): VU031463.D (-981) (-)

Ion 49.10 (48.80 to 49.80): VU031463.D (-981) (-)

Ion 129.95 (129.65 to 130.65): VU031463.D (-981) (-)

Ion 51.05 (50.75 to 51.75): VU031463.D (-981) (-)

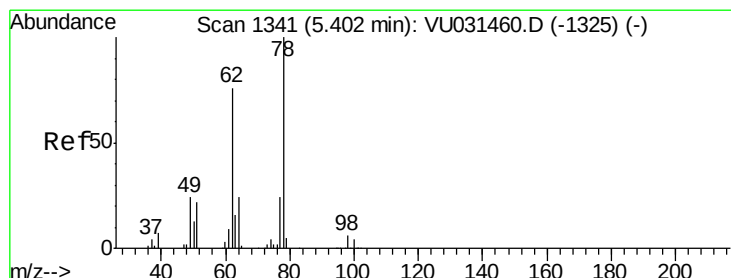
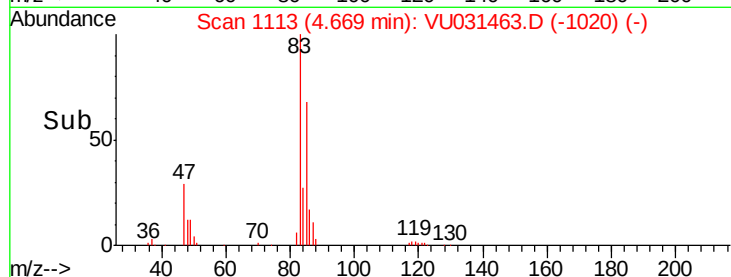
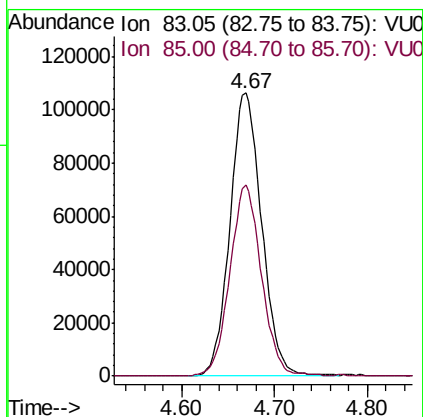
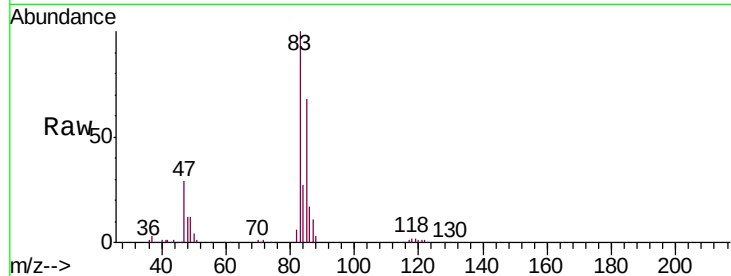




#25
Chloroform
Concen: 5.266 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031463.D
Acq: 24 Apr 2019 11:57

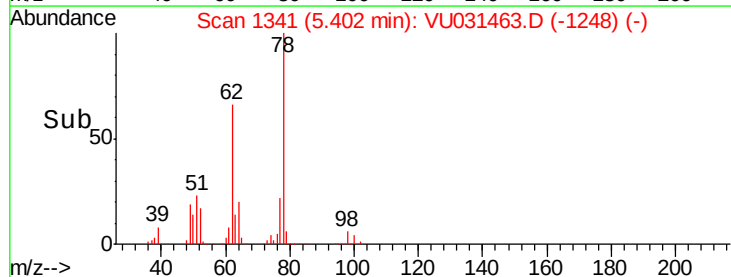
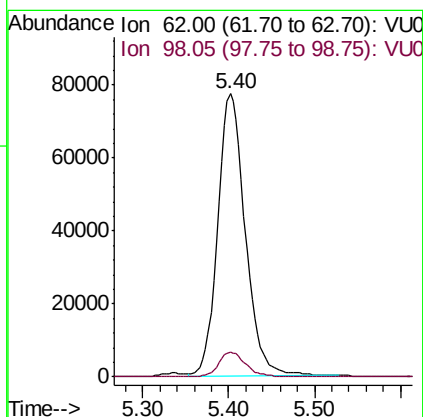
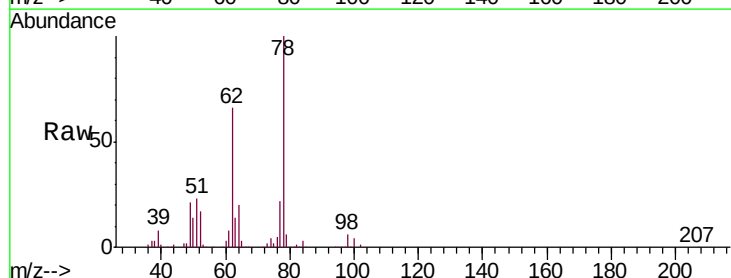
Instrument :
MSVOA_U
ClientSampleId :
VICV09

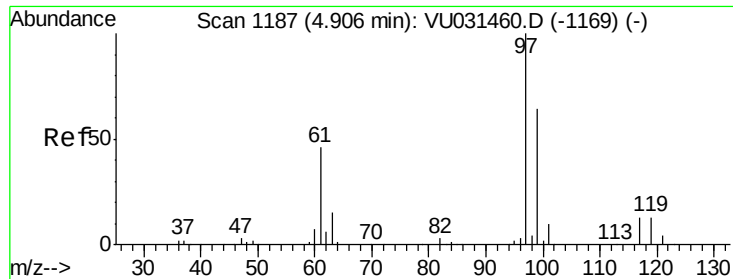
Tgt Ion: 83 Resp: 252529
Ion Ratio Lower Upper
83 100
85 67.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 5.480 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031463.D
Acq: 24 Apr 2019 11:57

Tgt Ion: 62 Resp: 172701
Ion Ratio Lower Upper
62 100
98 8.7 6.5 9.7

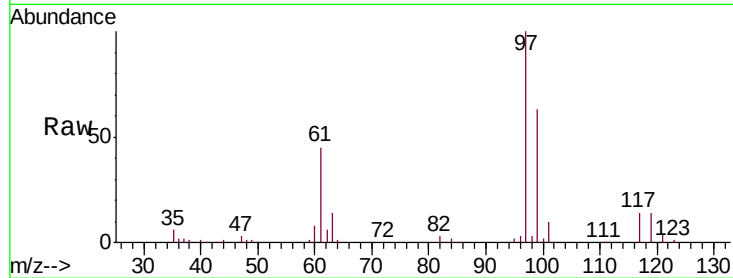




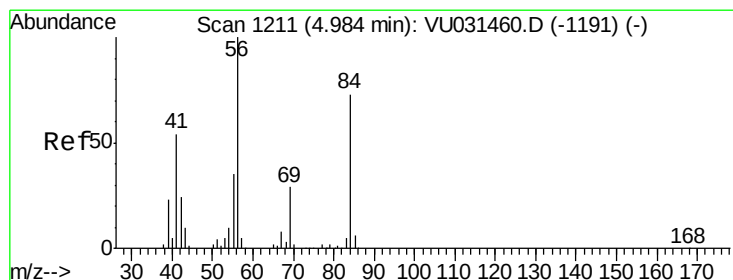
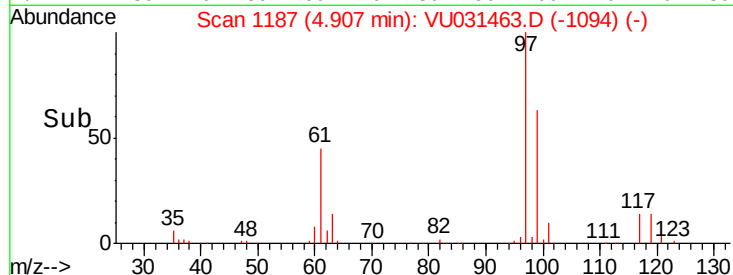
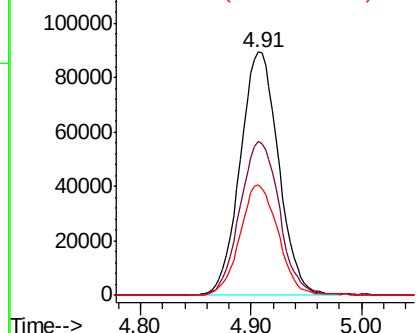
#29
 1,1,1-Trichloroethane
 Concen: 5.384 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Instrument :
 MSVOA_U
 ClientSampleID :
 VICV09

Tgt Ion: 97 Resp: 216265
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.2 75.2
 61 45.1 37.0 55.4

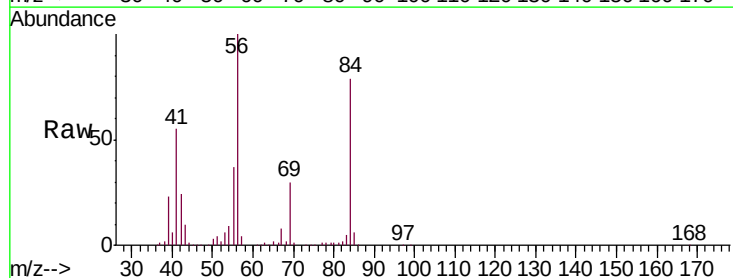


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

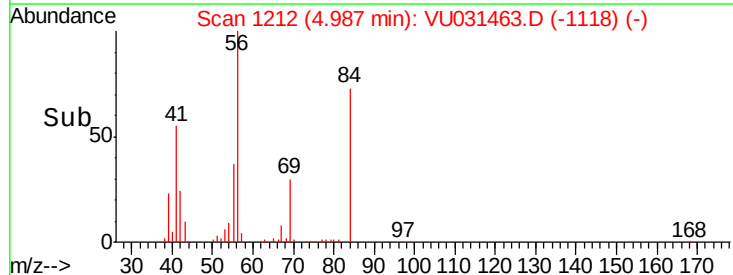
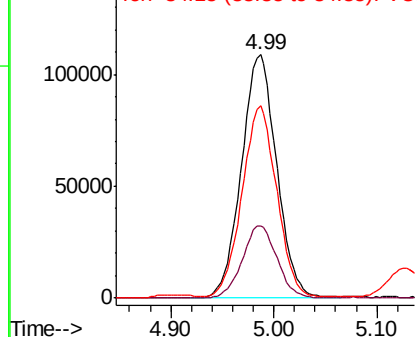


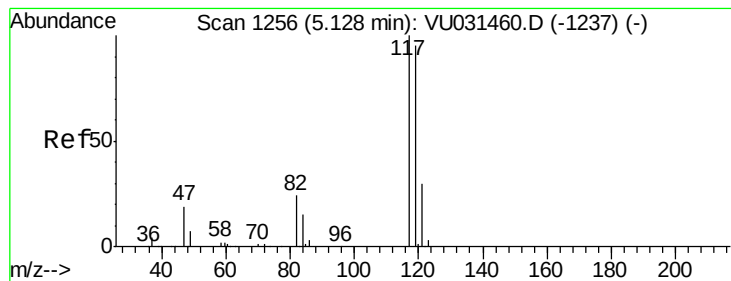
#30
 Cyclohexane
 Concen: 5.365 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Tgt Ion: 56 Resp: 259417
 Ion Ratio Lower Upper
 56 100
 69 29.1 23.3 34.9
 84 78.0 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: 5.360 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

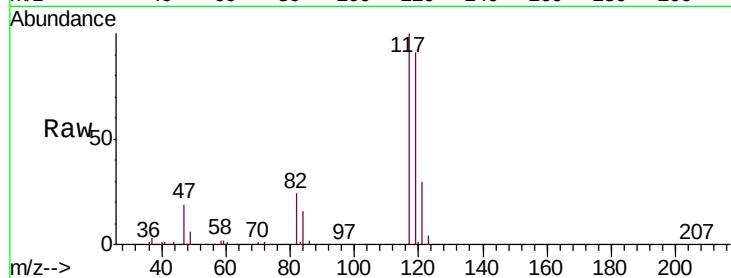
VICV09

Tgt Ion:117 Resp: 185208

Ion Ratio Lower Upper

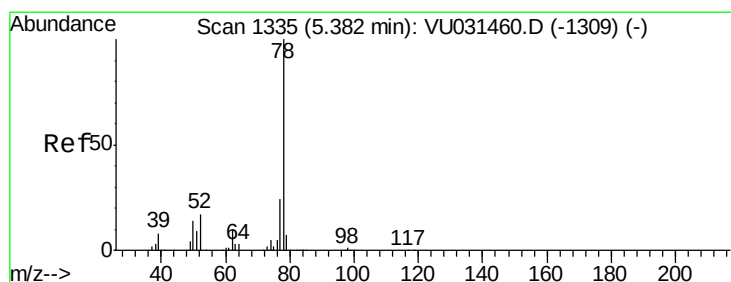
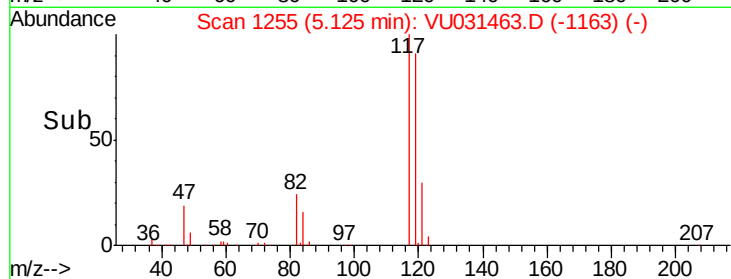
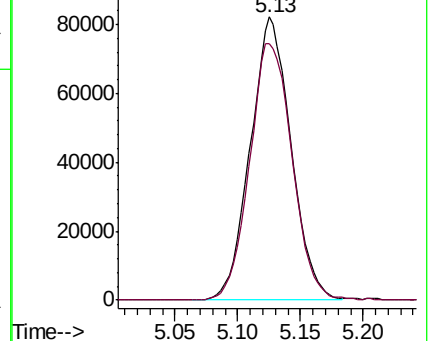
117 100

119 94.8 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: 5.311 ug/L

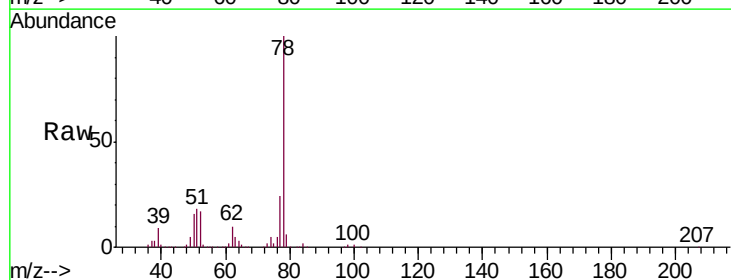
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

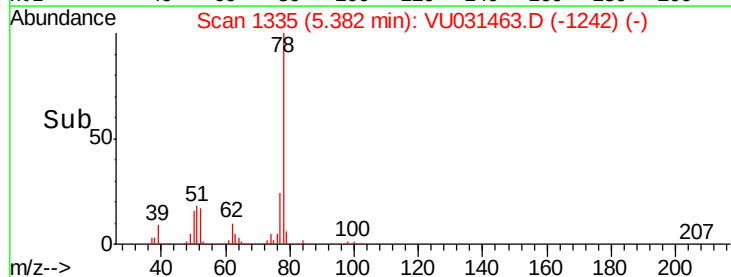
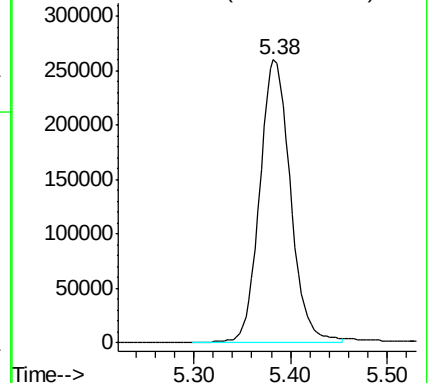
Lab File: VU031463.D

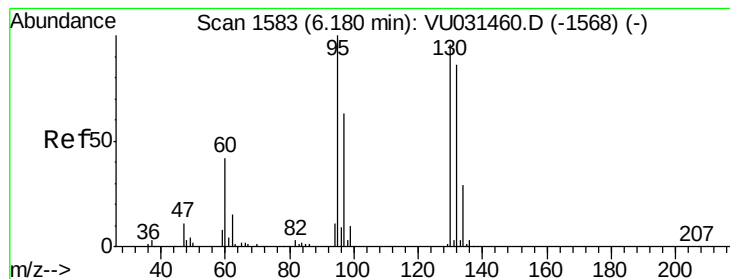
Acq: 24 Apr 2019 11:57

Tgt Ion: 78 Resp: 576252



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.250 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

VICV09

Tgt Ion: 95 Resp: 150139

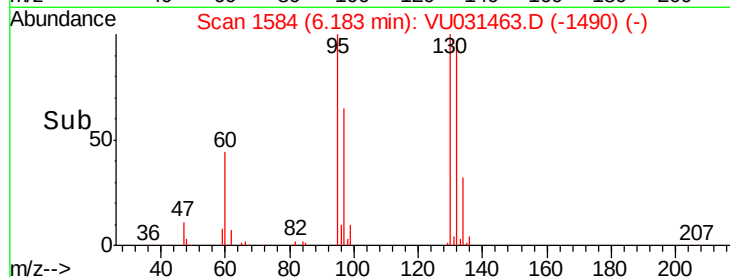
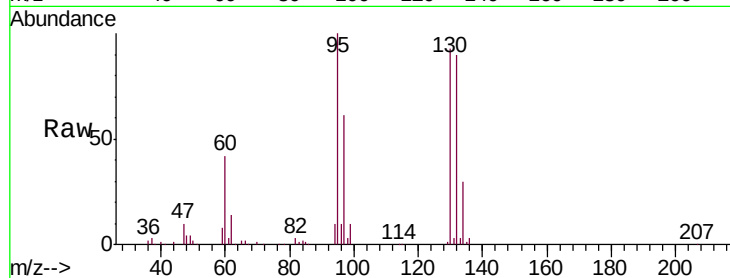
Ion Ratio Lower Upper

95 100

97 60.8 44.3 82.3

132 90.3 59.9 111.3

130 93.3 67.1 124.5

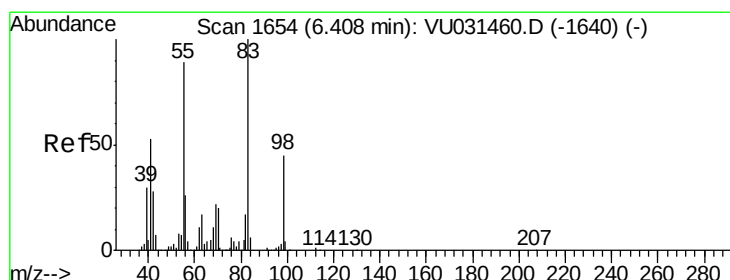
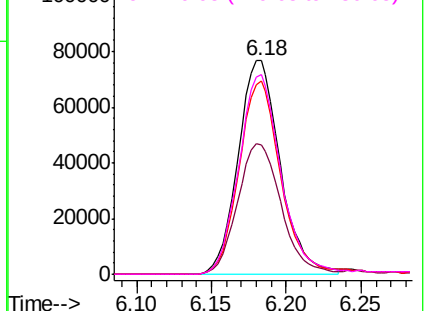


Abundance Ion 95.00 (94.70 to 95.70): VU031463.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU031463.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU031463.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU031463.D (-1490) (-)



#35

Methylcyclohexane

Concen: 5.405 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

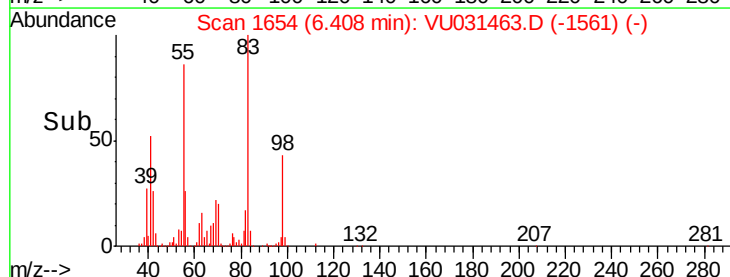
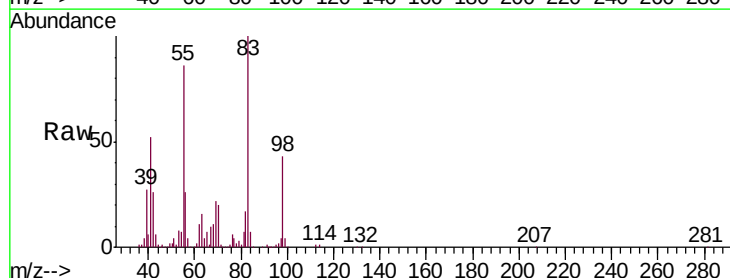
Tgt Ion: 83 Resp: 228677

Ion Ratio Lower Upper

83 100

55 88.0 71.1 106.7

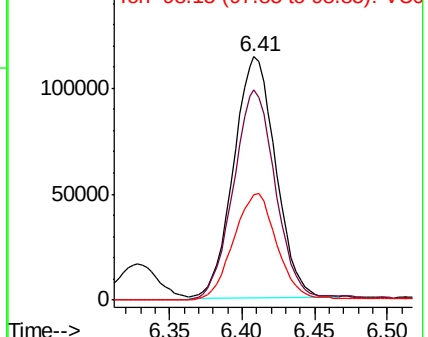
98 45.9 36.6 54.8

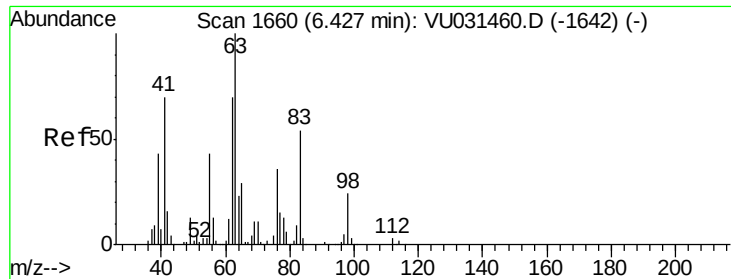


Abundance Ion 83.15 (82.85 to 83.85): VU031463.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU031463.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU031463.D (-1561) (-)

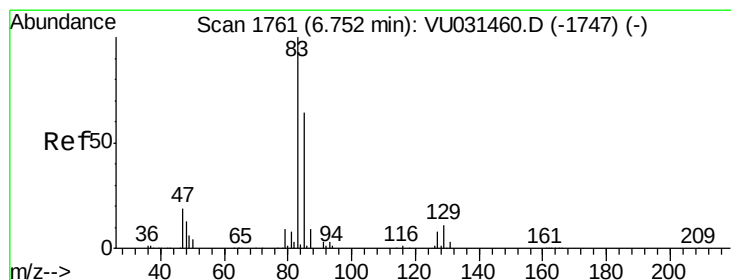
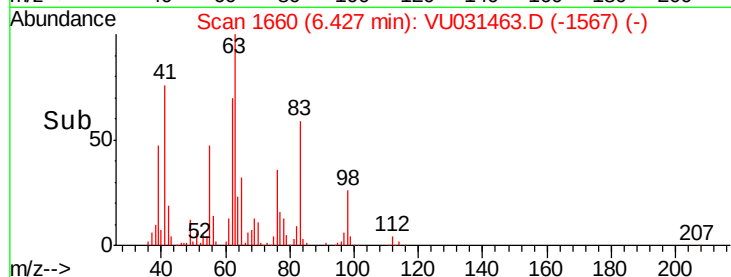
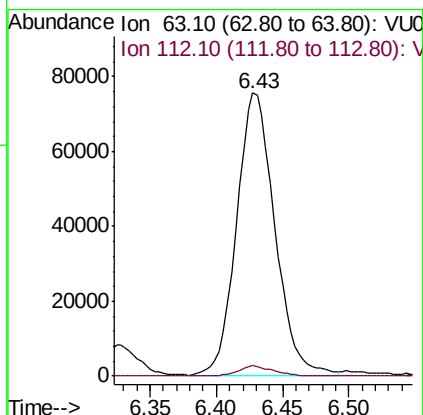
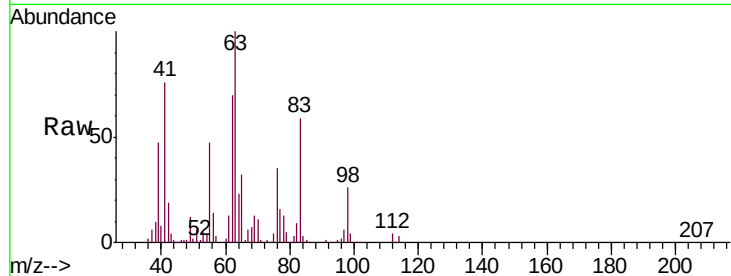




#37
 1,2-Dichloropropane
 Concen: 5.185 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

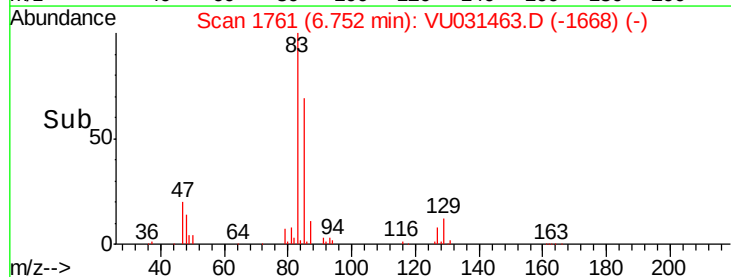
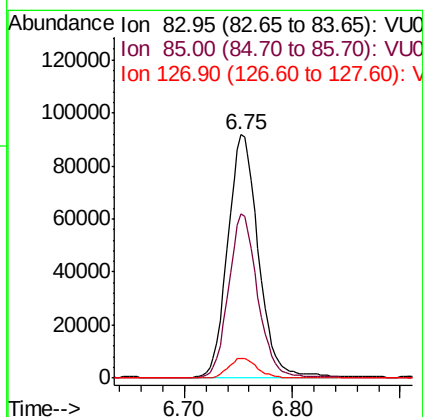
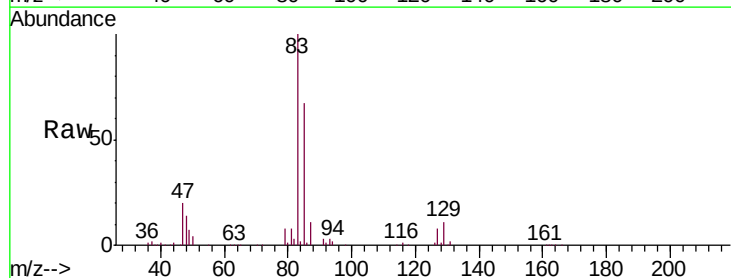
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV09

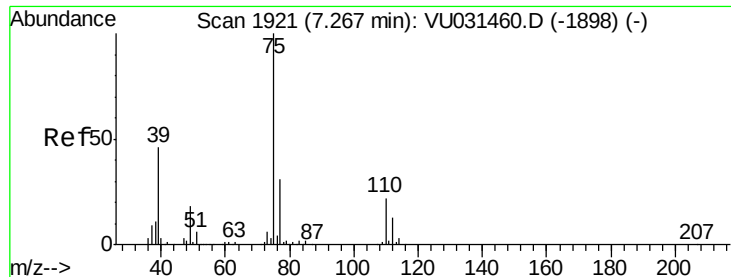
Tgt Ion: 63 Resp: 150768
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.324 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Tgt Ion: 83 Resp: 181131
 Ion Ratio Lower Upper
 83 100
 85 67.4 44.8 83.2
 127 8.3 6.5 9.7



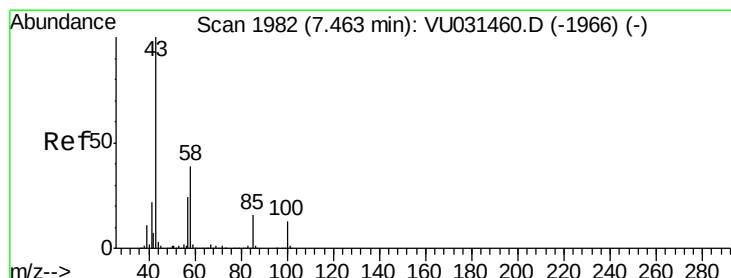
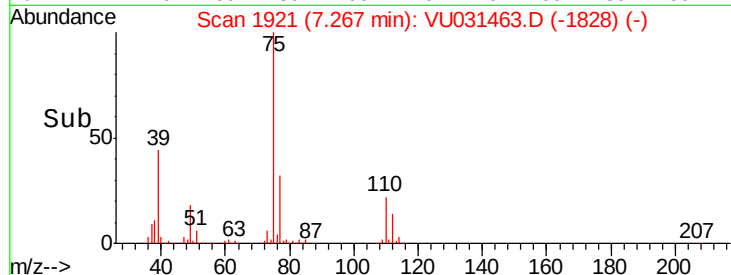
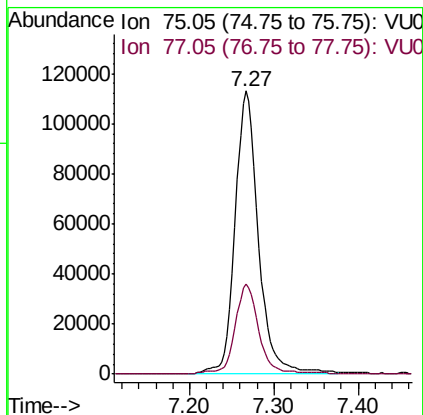
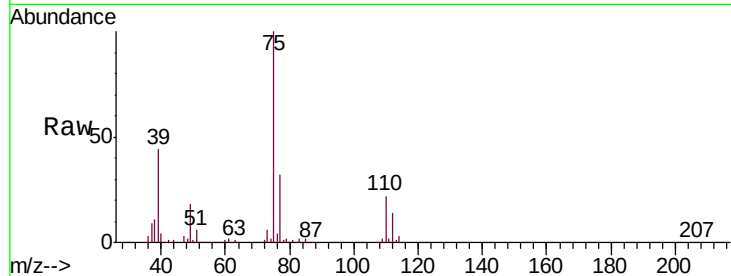


#39

cis-1,3-Dichloropropene
 Concen: 5.425 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV09

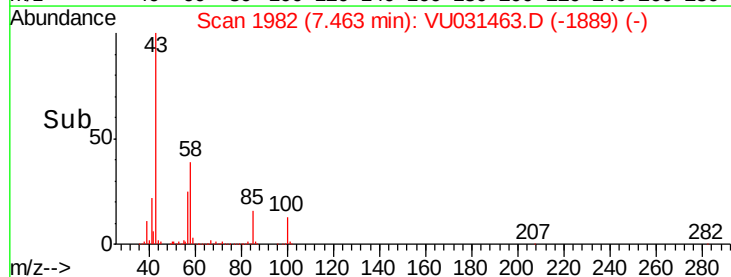
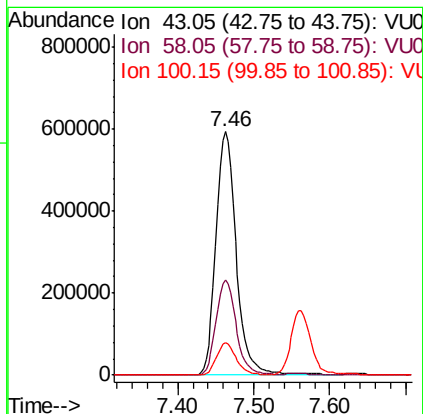
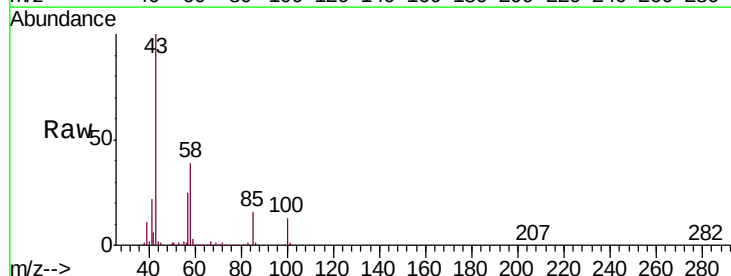
Tgt Ion: 75 Resp: 219258
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.9 40.7

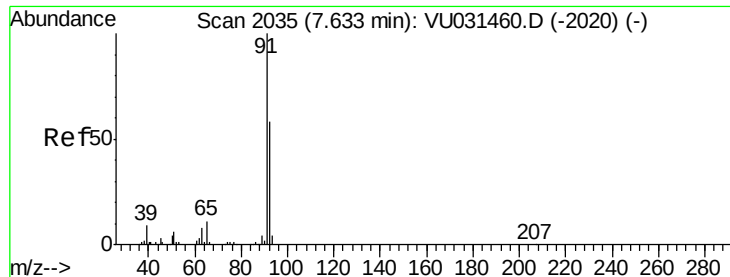


#40

4-Methyl-2-pentanone
 Concen: 55.487 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Tgt Ion: 43 Resp: 1104020
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.6 47.4
 100 12.8 10.6 15.8





#42

Toluene

Concen: 5.510 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

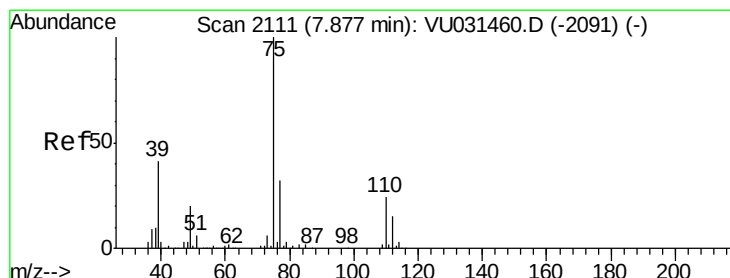
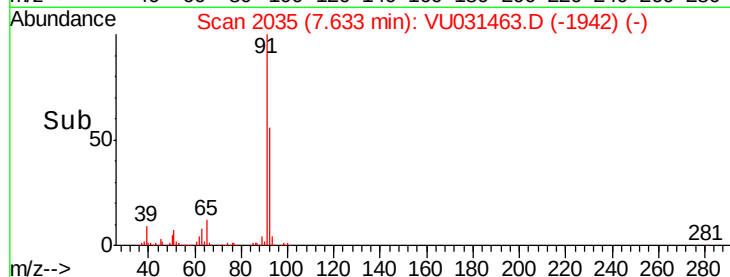
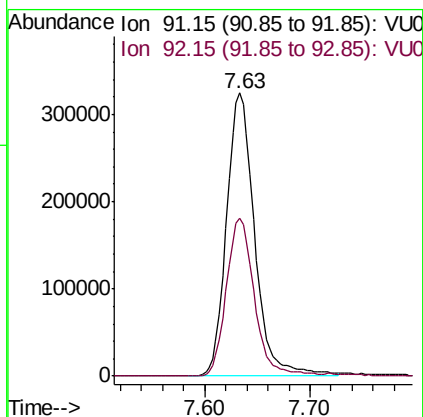
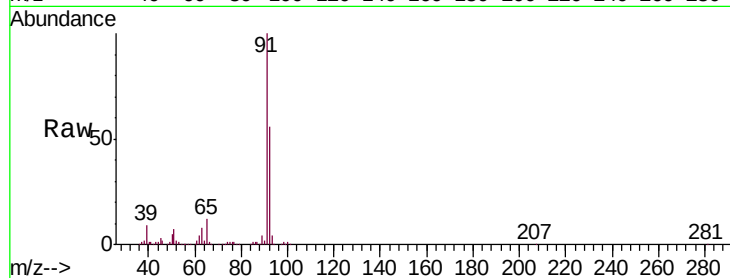
VICV09

Tgt Ion: 91 Resp: 600197

Ion Ratio Lower Upper

91 100

92 55.7 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.556 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031463.D

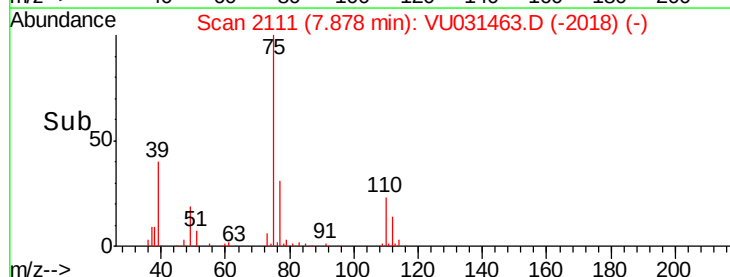
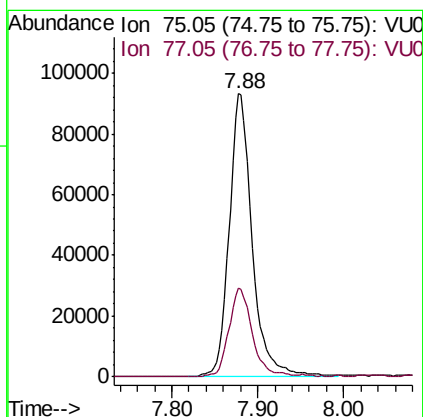
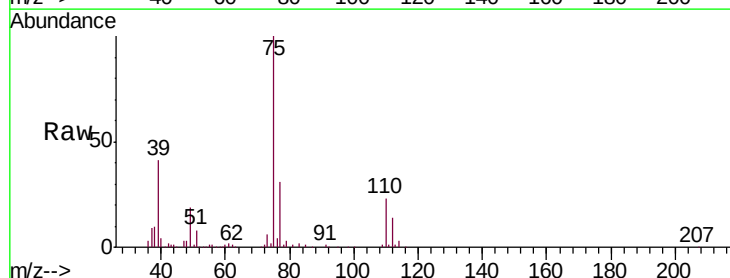
Acq: 24 Apr 2019 11:57

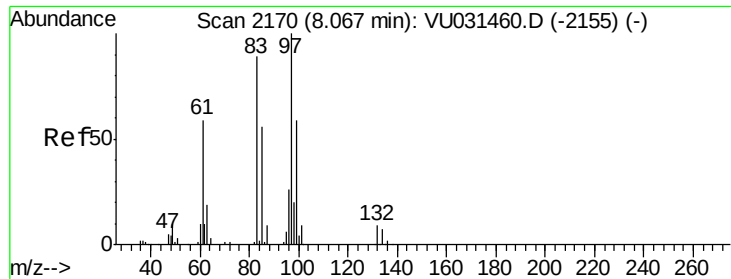
Tgt Ion: 75 Resp: 173719

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.431 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

VICV09

Tgt Ion: 97 Resp: 107608

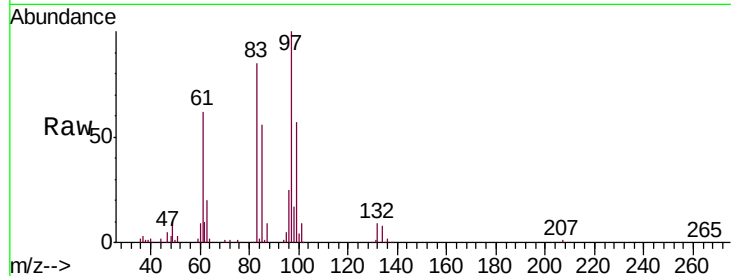
Ion Ratio Lower Upper

97 100

99 57.2 41.2 76.6

83 85.2 62.2 115.4

85 55.9 39.2 72.8

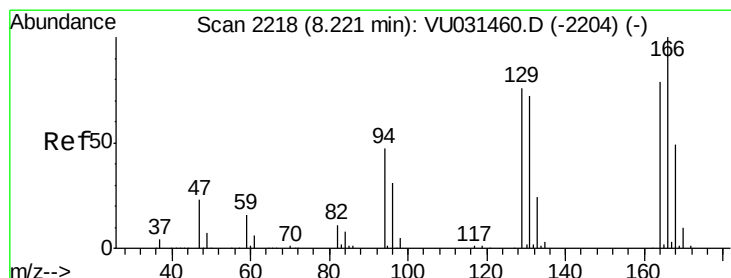
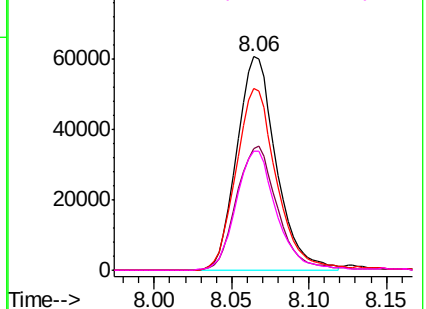
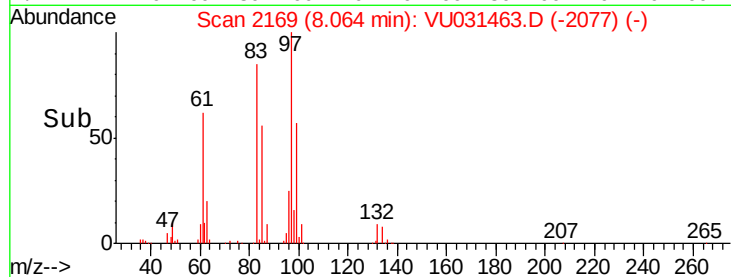


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.354 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Tgt Ion: 164 Resp: 106968

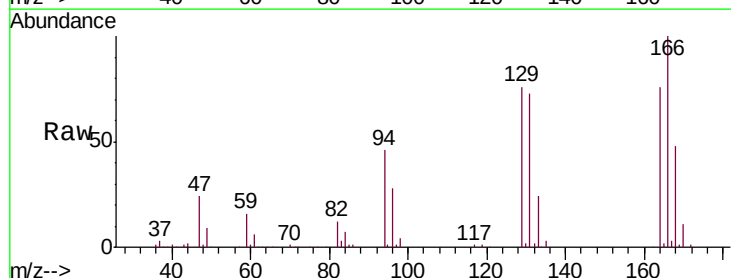
Ion Ratio Lower Upper

164 100

129 101.1 67.5 125.3

131 96.5 64.0 119.0

166 132.2 88.5 164.4

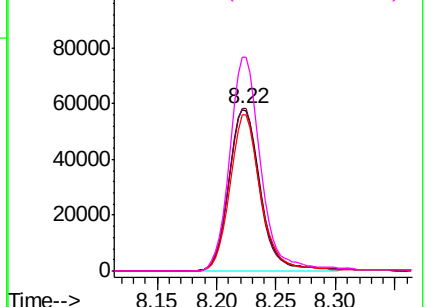
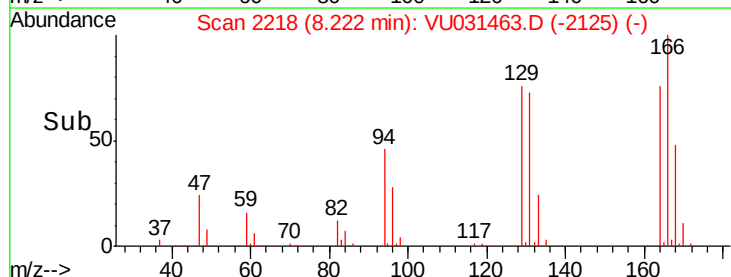


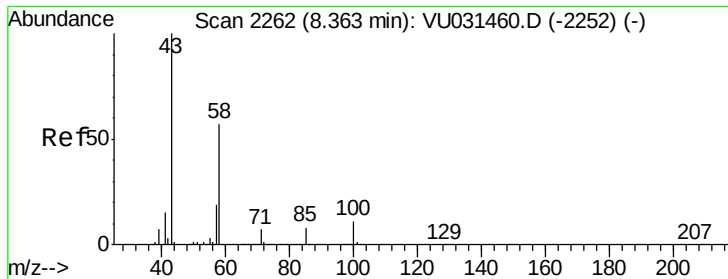
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

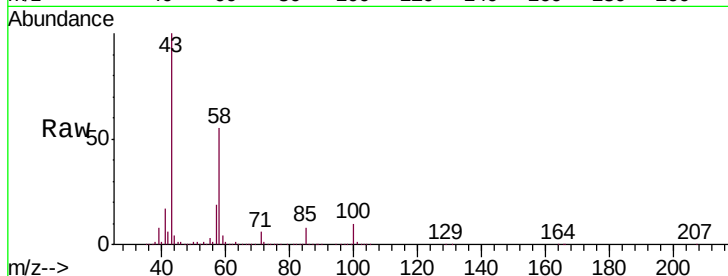




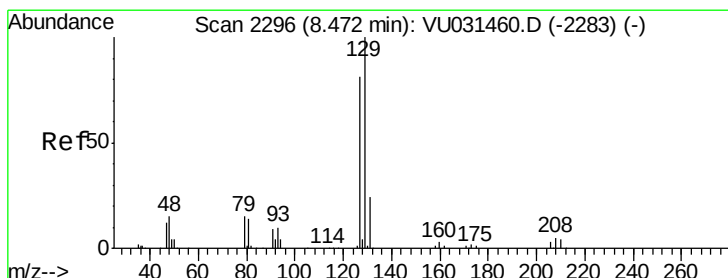
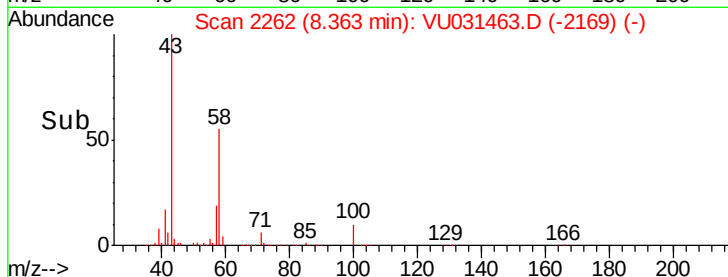
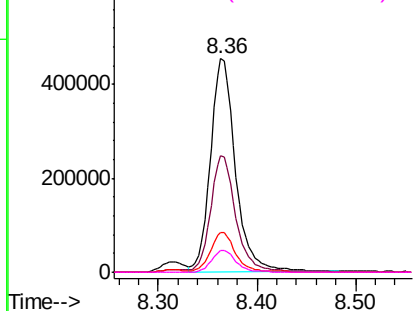
#48
2-Hexanone
Concen: 57.360 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031463.D
Acq: 24 Apr 2019 11:57

Instrument :
MSVOA_U
ClientSampleId :
VICV09

Tgt Ion:	43	Resp:	800535
Ion	Ratio	Lower	Upper
43	100		
58	54.7	44.6	67.0
57	18.1	15.3	22.9
100	10.2	8.3	12.5

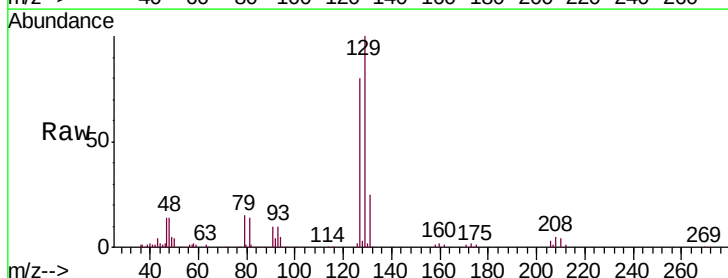


Abundance Ion 43.05 (42.75 to 43.75): VU031463.D (-2169) (-)
Ion 58.05 (57.75 to 58.75): VU031463.D (-2169) (-)
Ion 57.20 (56.90 to 57.90): VU031463.D (-2169) (-)
Ion 100.15 (99.85 to 100.85): VU031463.D (-2169) (-)

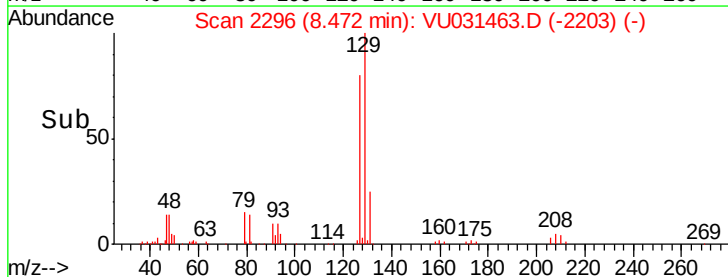
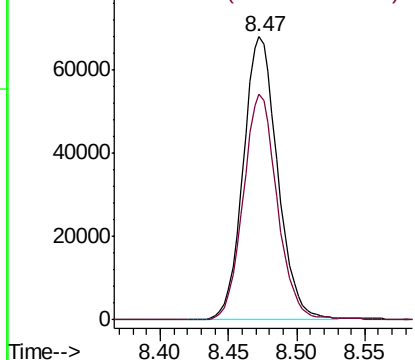


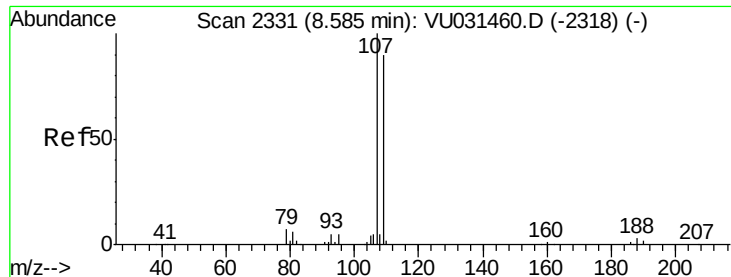
#49
Dibromochloromethane
Concen: 5.345 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031463.D
Acq: 24 Apr 2019 11:57

Tgt Ion:	129	Resp:	118682
Ion	Ratio	Lower	Upper
129	100		
127	79.6	56.6	105.0



Abundance Ion 128.95 (128.65 to 129.65): VU031463.D (-2203) (-)
Ion 126.90 (126.60 to 127.60): VU031463.D (-2203) (-)

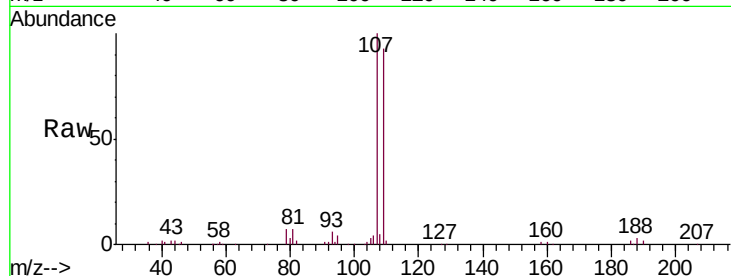




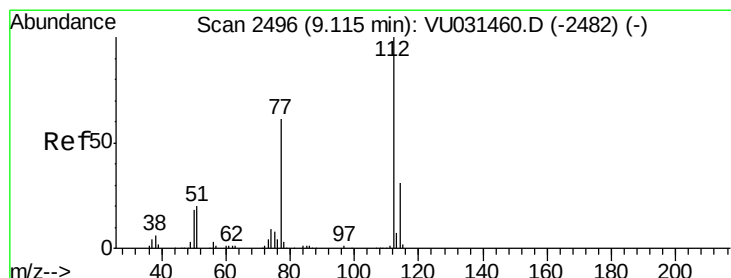
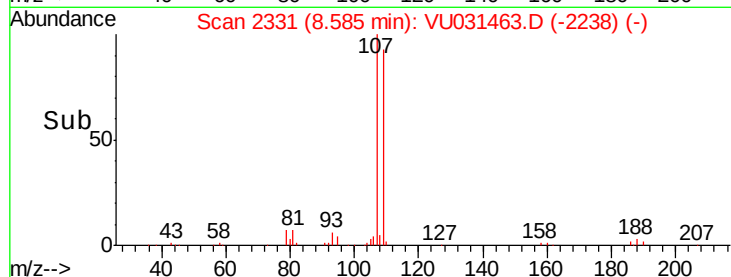
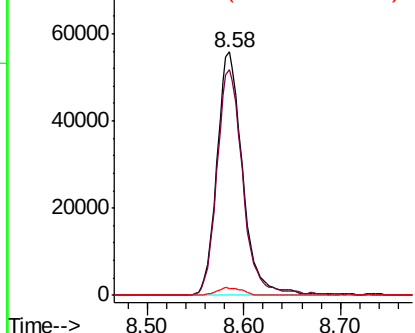
#50
1,2-Dibromoethane
Concen: 5.427 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU031463.D
Acq: 24 Apr 2019 11:57

Instrument :
MSVOA_U
ClientSampleId :
VICV09

Tgt Ion:107 Resp: 103229
Ion Ratio Lower Upper
107 100
109 92.6 63.1 117.3
188 3.1 2.2 3.4

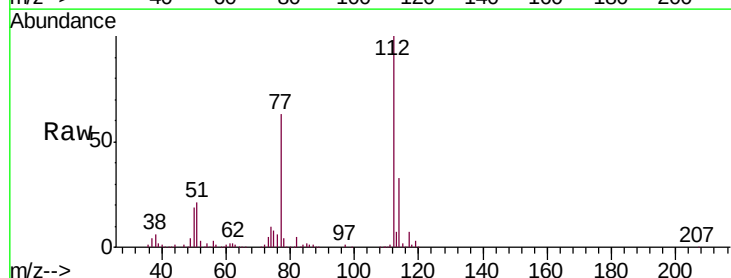


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

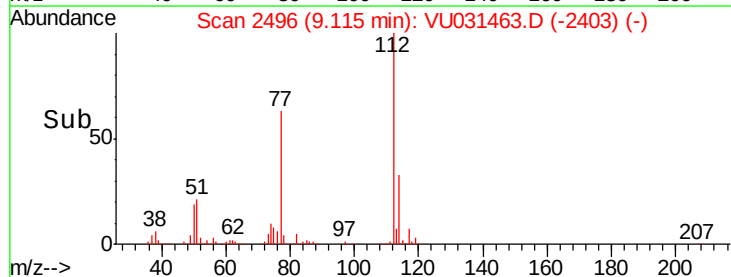
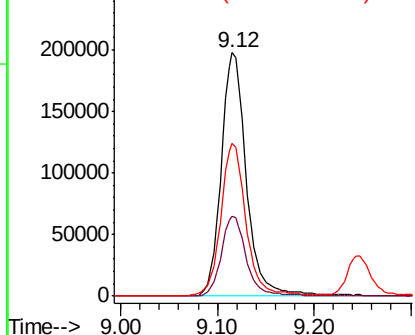


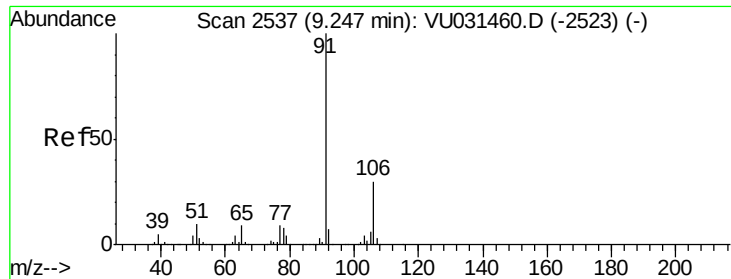
#51
Chlorobenzene
Concen: 5.400 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031463.D
Acq: 24 Apr 2019 11:57

Tgt Ion:112 Resp: 356748
Ion Ratio Lower Upper
112 100
114 33.0 21.9 40.7
77 62.8 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: 5.392 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

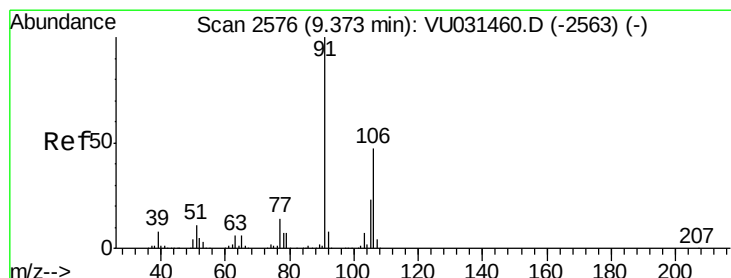
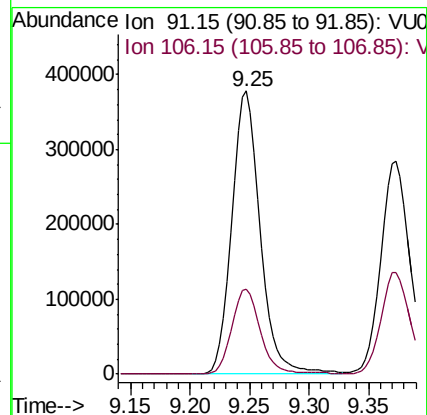
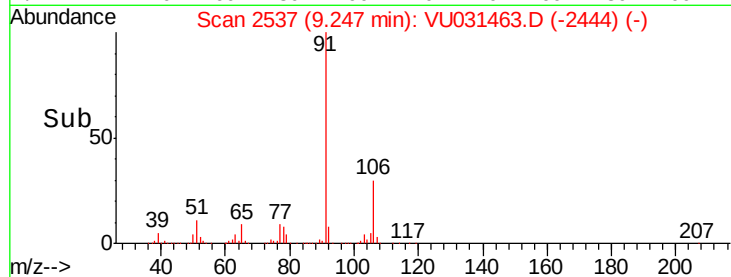
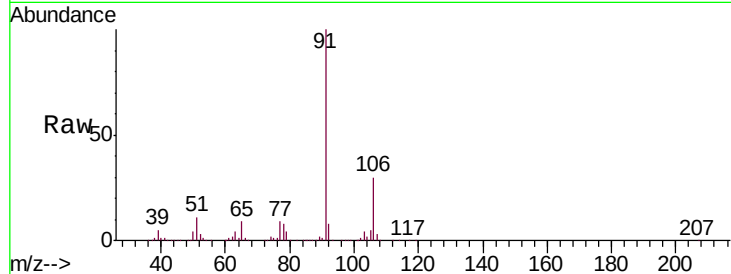
VICV09

Tgt Ion: 91 Resp: 625189

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



#53

m,p-Xylene

Concen: 5.663 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031463.D

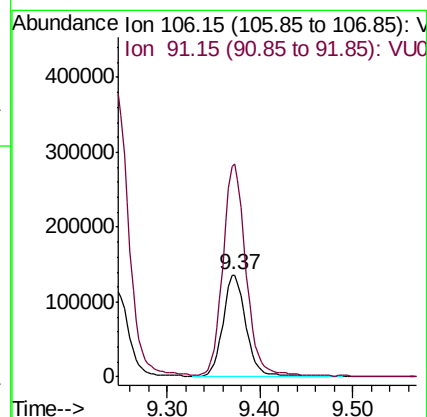
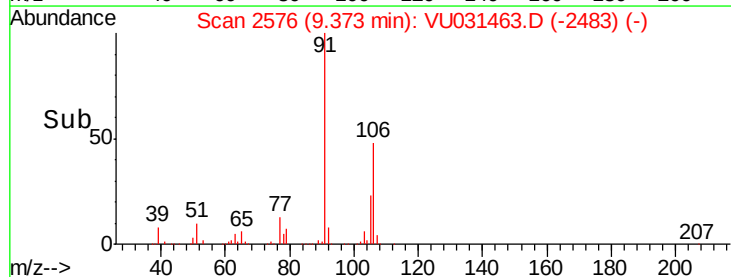
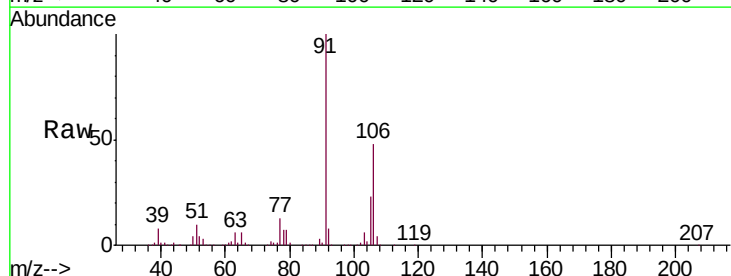
Acq: 24 Apr 2019 11:57

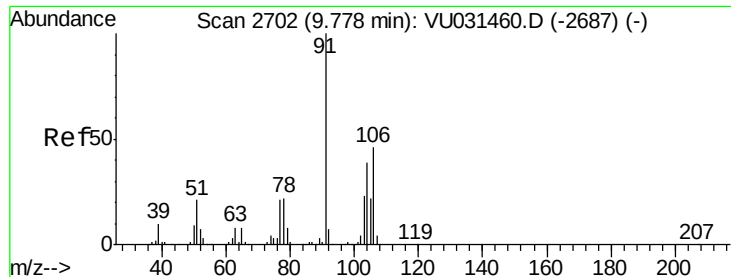
Tgt Ion: 106 Resp: 233802

Ion Ratio Lower Upper

106 100

91 208.8 147.8 274.4

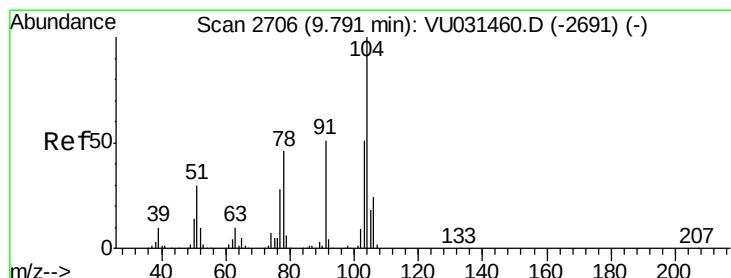
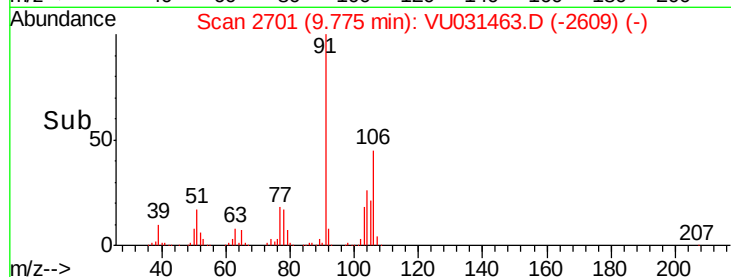
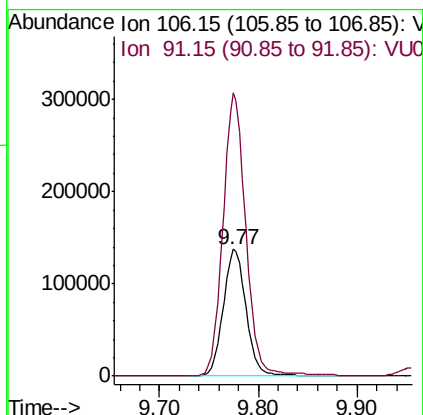
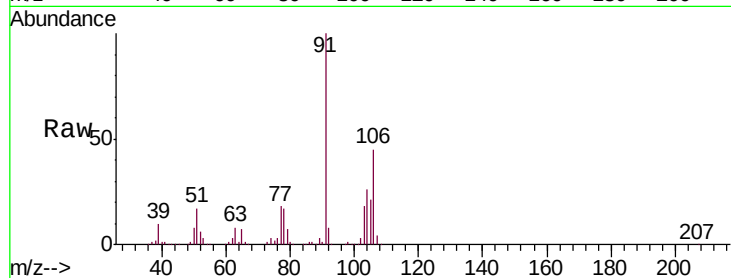




#54
o-Xylene
Concen: 5.525 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU031463.D
Acq: 24 Apr 2019 11:57

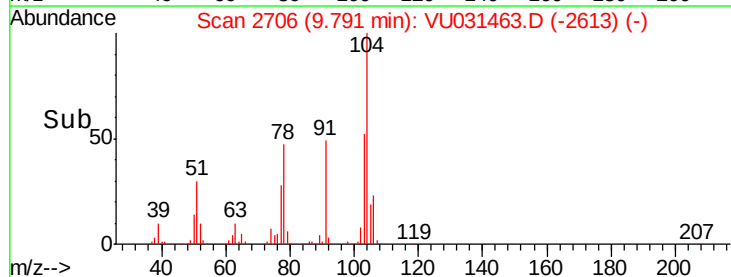
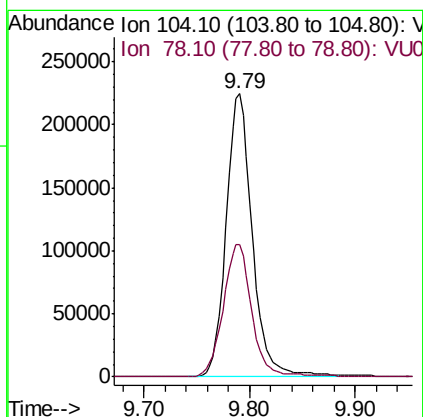
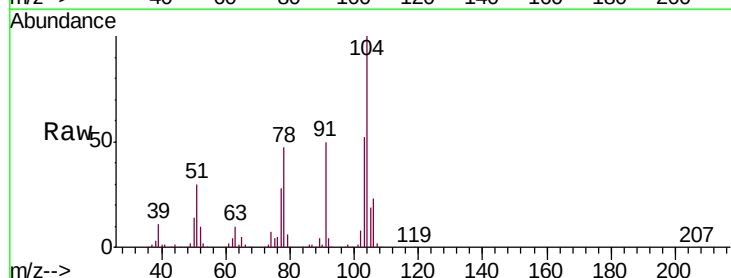
Instrument :
MSVOA_U
ClientSampleId :
VICV09

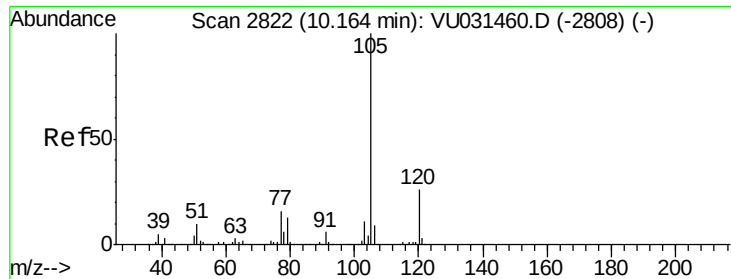
Tgt Ion:106 Resp: 225243
Ion Ratio Lower Upper
106 100
91 223.2 152.7 283.7



#55
Styrene
Concen: 5.712 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031463.D
Acq: 24 Apr 2019 11:57

Tgt Ion:104 Resp: 385145
Ion Ratio Lower Upper
104 100
78 46.8 32.1 59.5





#56

Isopropylbenzene

Concen: 5.550 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

VICV09

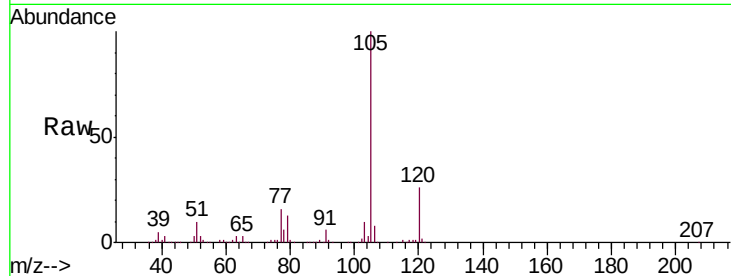
Tgt Ion:105 Resp: 597777

Ion Ratio Lower Upper

105 100

120 25.4 20.8 31.2

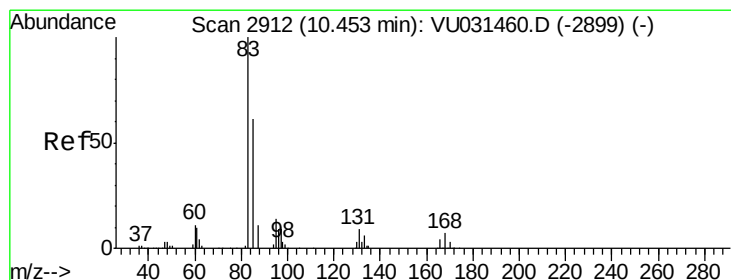
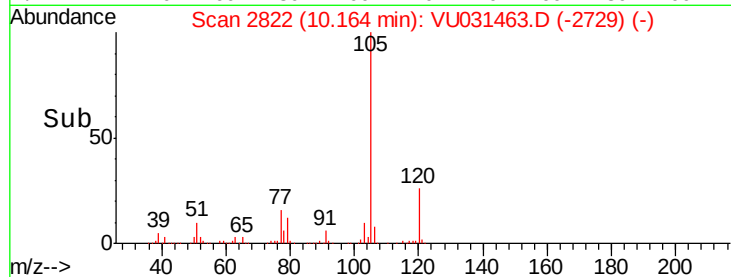
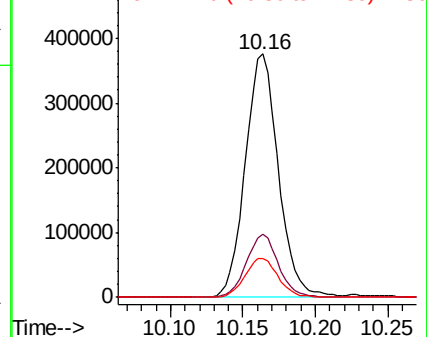
77 16.2 13.2 19.8



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: 5.277 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

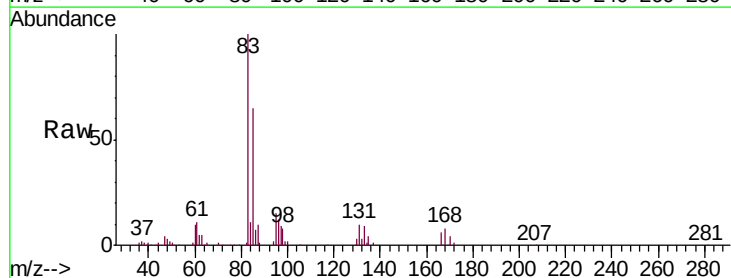
Tgt Ion: 83 Resp: 133033

Ion Ratio Lower Upper

83 100

85 64.6 42.8 79.4

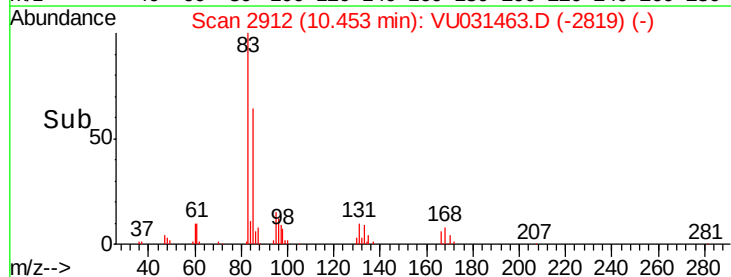
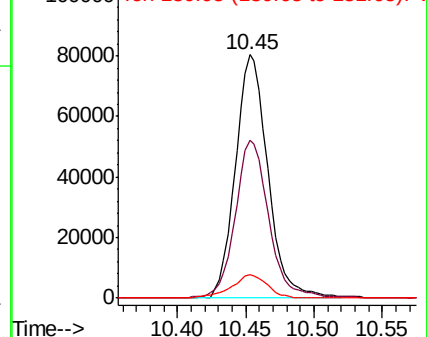
131 9.8 7.0 10.4

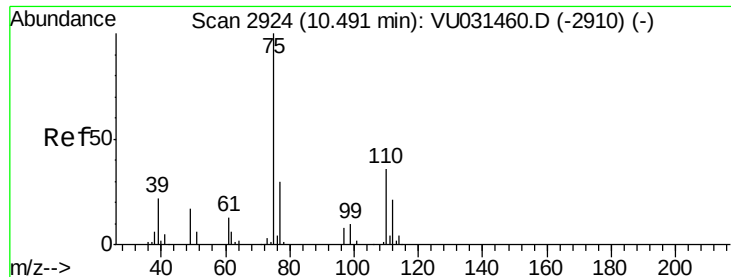


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

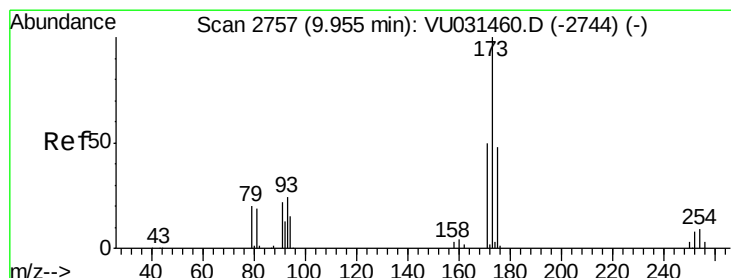
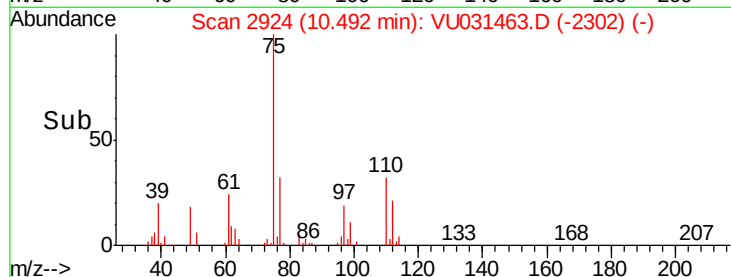
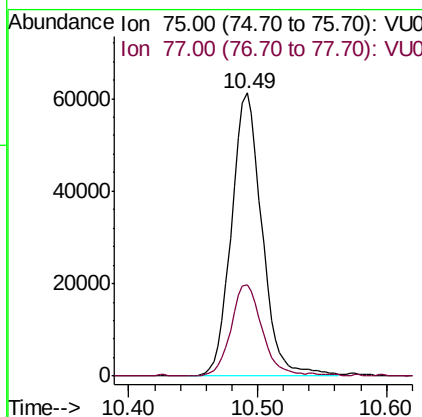
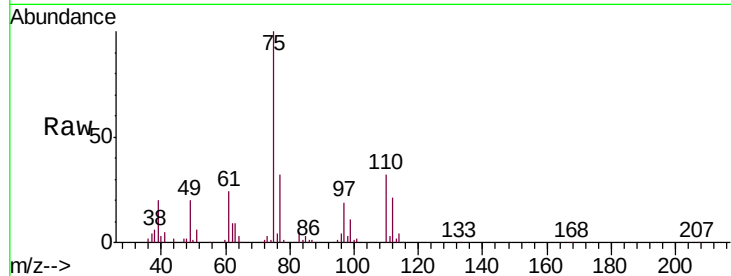




#59
 1,2,3-Trichloropropane
 Concen: 5.500 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

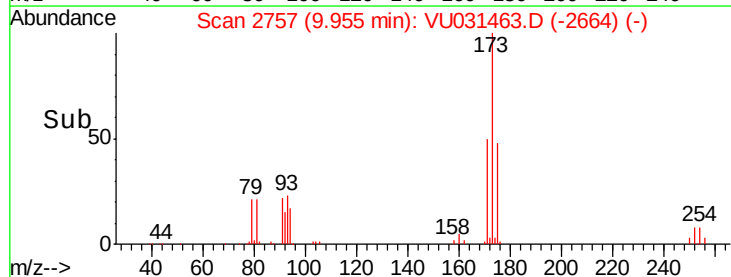
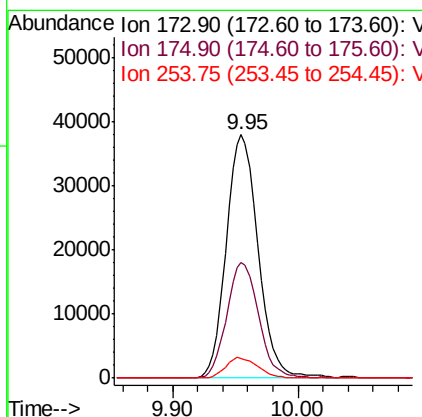
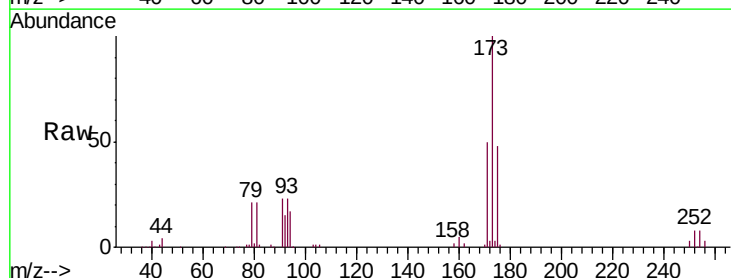
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV09

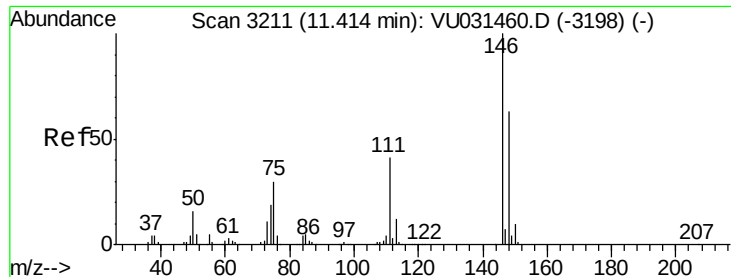
Tgt Ion: 75 Resp: 100741
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5



#61
 Bromoform
 Concen: 5.191 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Tgt Ion: 173 Resp: 66993
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.9 59.9
 254 8.5 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 5.303 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampled :

VICV09

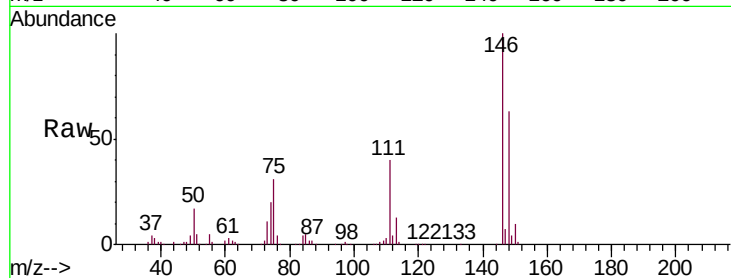
Tgt Ion:146 Resp: 257530

Ion Ratio Lower Upper

146 100

111 39.7 28.5 52.9

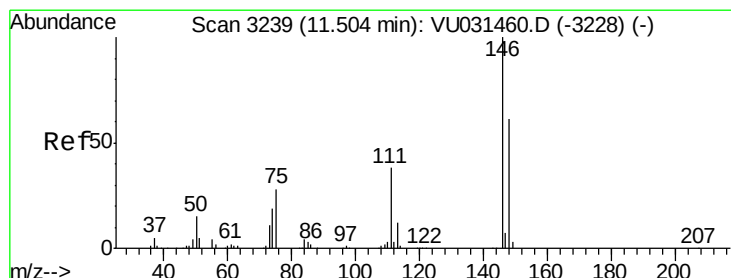
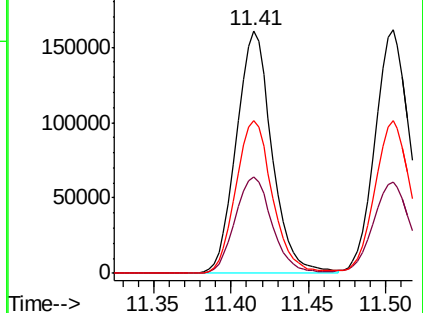
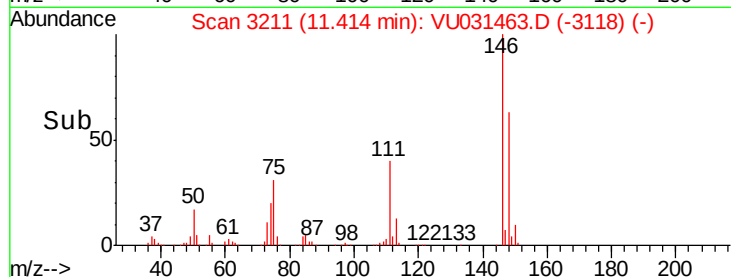
148 63.2 43.8 81.4



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: 5.188 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

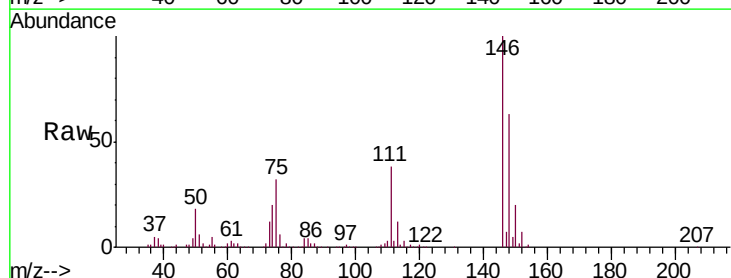
Tgt Ion:146 Resp: 262416

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.5

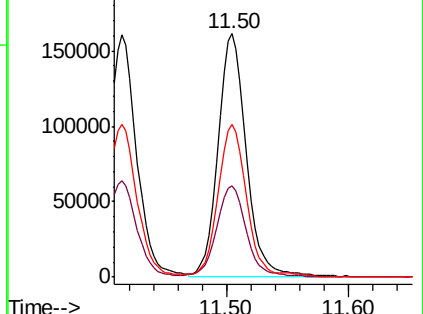
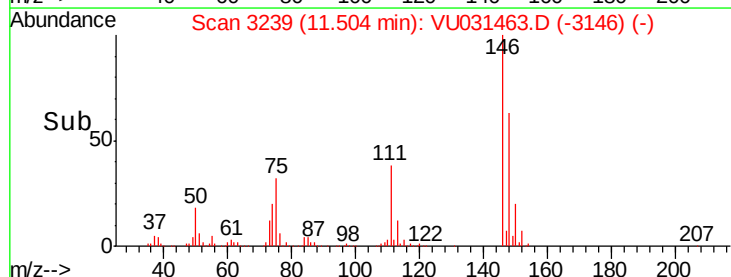
148 62.6 43.3 80.3

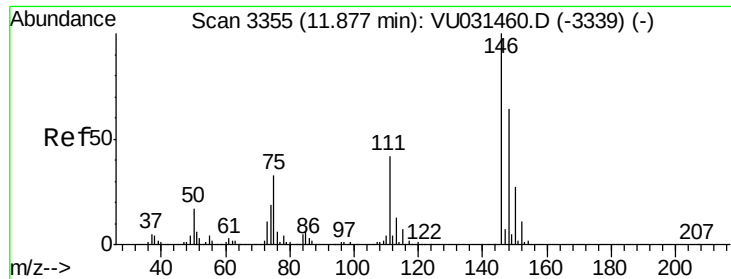


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

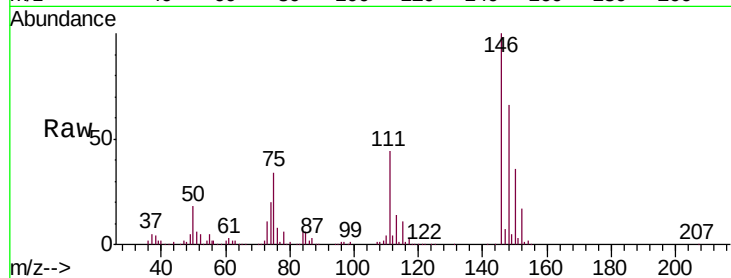




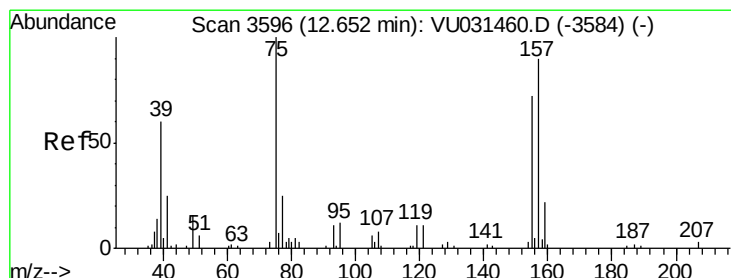
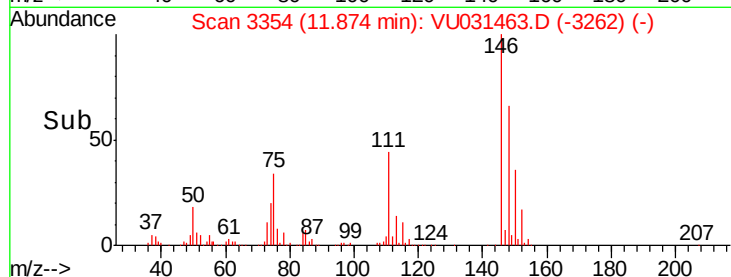
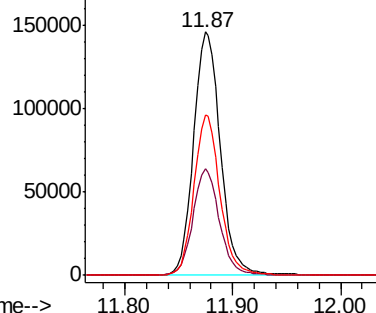
#65
 1,2-Dichlorobenzene
 Concen: 5.266 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Instrument :
 MSVOA_U
 ClientSampled :
 VICV09

Tgt Ion: 146 Resp: 253598
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.0 51.0
 148 65.9 50.9 76.3

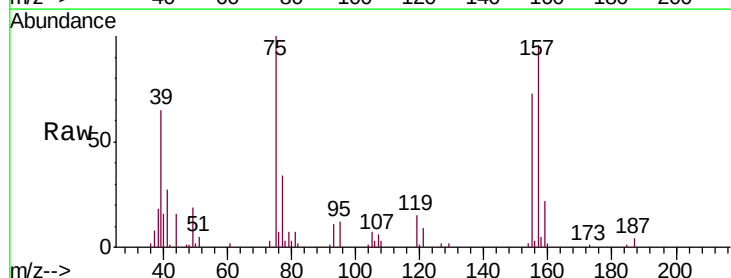


Abundance Ion 145.95 (145.65 to 146.65): V
 200000
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

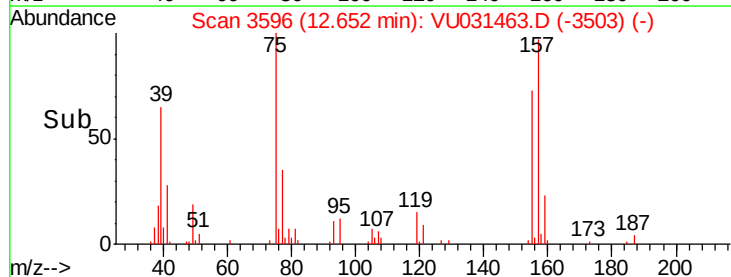
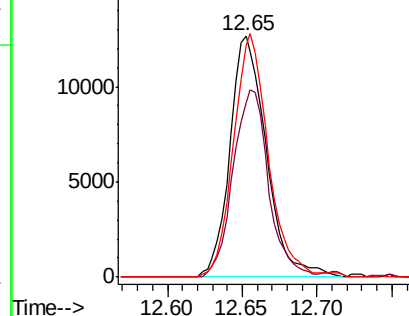


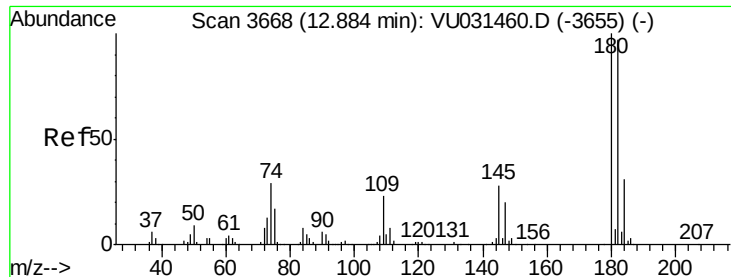
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.328 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Tgt Ion: 75 Resp: 21460
 Ion Ratio Lower Upper
 75 100
 155 72.6 57.2 85.8
 157 96.3 71.9 107.9



Abundance Ion 75.05 (74.75 to 75.75): VU0
 15000
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

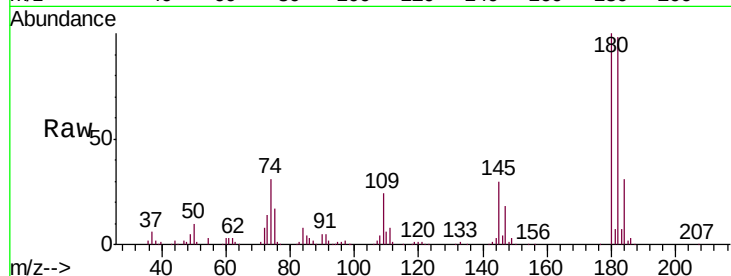




#67
 1,3,5-Trichlorobenzene
 Concen: 5.374 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.8	116.6
184	30.4	24.6	36.8
145	29.7	23.8	35.8



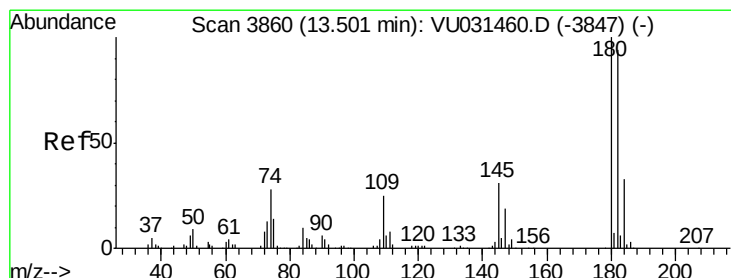
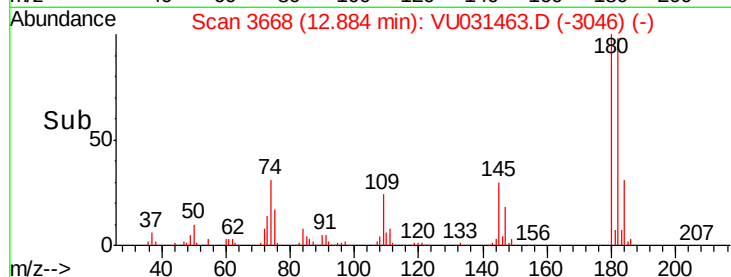
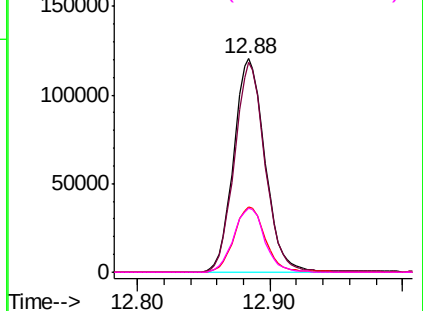
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

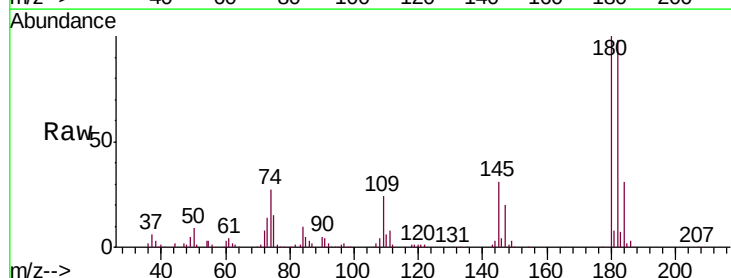
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.467 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031463.D
 Acq: 24 Apr 2019 11:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	76.9	115.3
145	30.5	24.2	36.4

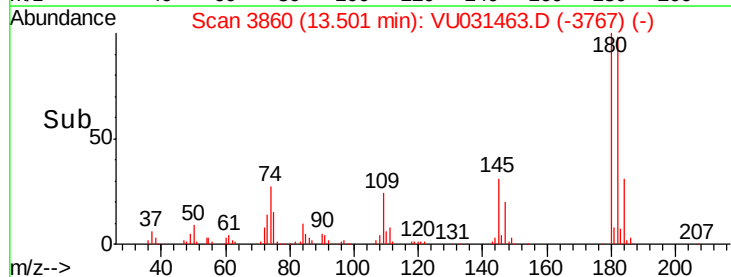
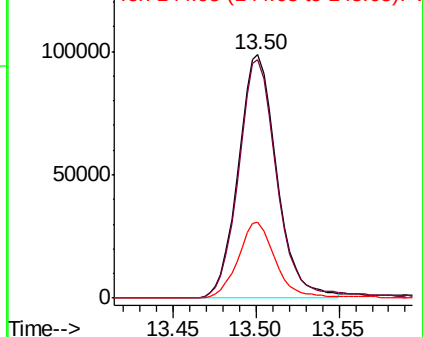


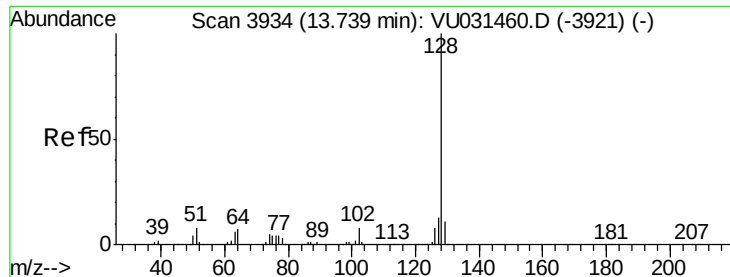
Abundance

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: 5.784 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

Instrument :

MSVOA_U

ClientSampleId :

VICV09

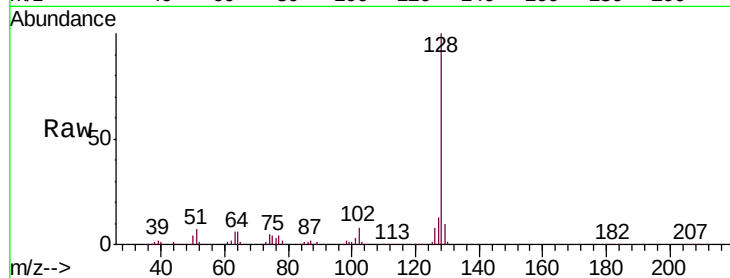
Tgt Ion:128 Resp: 328617

Ion Ratio Lower Upper

128 100

129 10.5 8.0 12.0

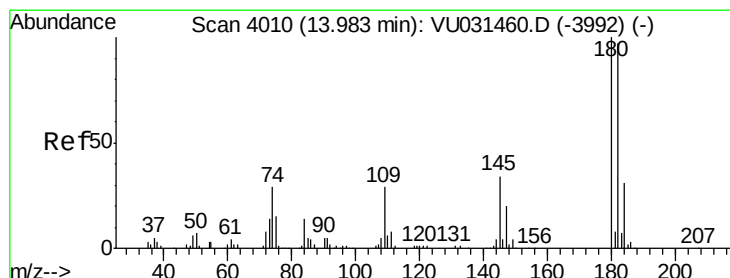
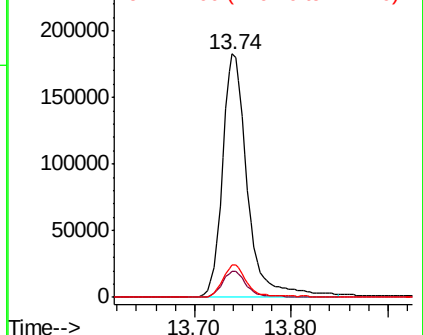
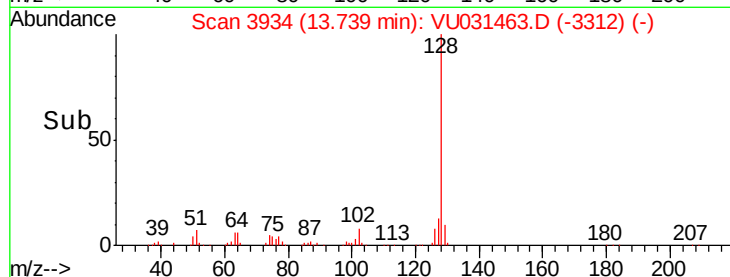
127 12.8 10.5 15.7



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: 5.669 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031463.D

Acq: 24 Apr 2019 11:57

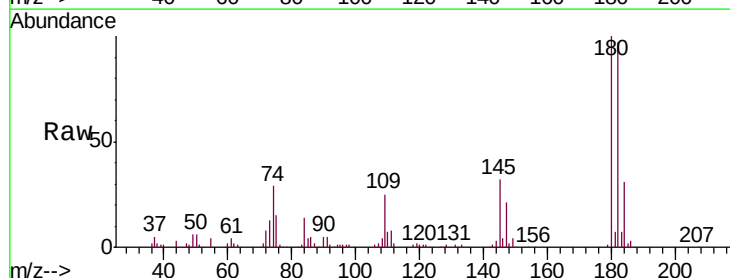
Tgt Ion:180 Resp: 162609

Ion Ratio Lower Upper

180 100

182 96.6 76.4 114.6

145 31.6 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

