

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031300.D
 Acq On : 18 Apr 2019 11:47
 Operator : JC/SP
 Sample : VSTD01006
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Quant Time: Apr 19 04:04:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 03:57:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	214856	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	213961	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101810	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	243723	10.06	ug/L	0.00
7) Chloroethane-d5	1.68	69	193876	10.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	470058	9.89	ug/L	0.00
20) 2-Butanone-d5	4.22	46	490140	105.70	ug/L	0.00
24) Chloroform-d	4.64	84	310103	10.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	165656	10.13	ug/L	0.00
32) Benzene-d6	5.33	84	603382	10.12	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	192334	10.27	ug/L	0.00
41) Toluene-d8	7.56	98	547329	10.27	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	79340	10.58	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	380172	109.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	159635	10.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	196316	9.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	242512	9.812 ug/L	97
3) Chloromethane	1.32	50	310409	9.281 ug/L	99
5) Vinyl chloride	1.40	62	323104	9.483 ug/L	99
6) Bromomethane	1.63	94	175470	9.293 ug/L	99
8) Chloroethane	1.70	64	187659	9.657 ug/L	100
9) Trichlorofluoromethane	1.88	101	408796	9.539 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	222344	9.603 ug/L	98
12) 1,1-Dichloroethene	2.28	96	219689	9.527 ug/L	97
13) Acetone	2.35	43	470119	91.252 ug/L	100
14) Carbon disulfide	2.47	76	740761	9.621 ug/L	98
15) Methyl Acetate	2.62	43	122060	8.668 ug/L	98
16) Methylene chloride	2.69	84	240826	8.600 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	600241	9.715 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	226019	9.291 ug/L	97
19) 1,1-Dichloroethane	3.44	63	317029	9.339 ug/L	99
21) 2-Butanone	4.30	43	522642	98.202 ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	179830	9.561 ug/L	87
23) Bromochloromethane	4.54	128	81659	9.742 ug/L	97
25) Chloroform	4.67	83	320083	9.571 ug/L	99
27) 1,2-Dichloroethane	5.40	62	207103	9.604 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	269743	9.336 ug/L	97
30) Cyclohexane	4.99	56	289668	9.842 ug/L	98
31) Carbon tetrachloride	5.13	117	241397	9.356 ug/L	97
33) Benzene	5.38	78	690711	9.511 ug/L	100
34) Trichloroethene	6.18	95	179708	9.155 ug/L	97
35) Methylcyclohexane	6.41	83	264088	9.769 ug/L	97
37) 1,2-Dichloropropane	6.43	63	177675	9.281 ug/L	99
38) Bromodichloromethane	6.75	83	227878	9.540 ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	258862	10.224 ug/L	94
40) 4-Methyl-2-pentanone	7.47	43	1229883	100.042 ug/L	100

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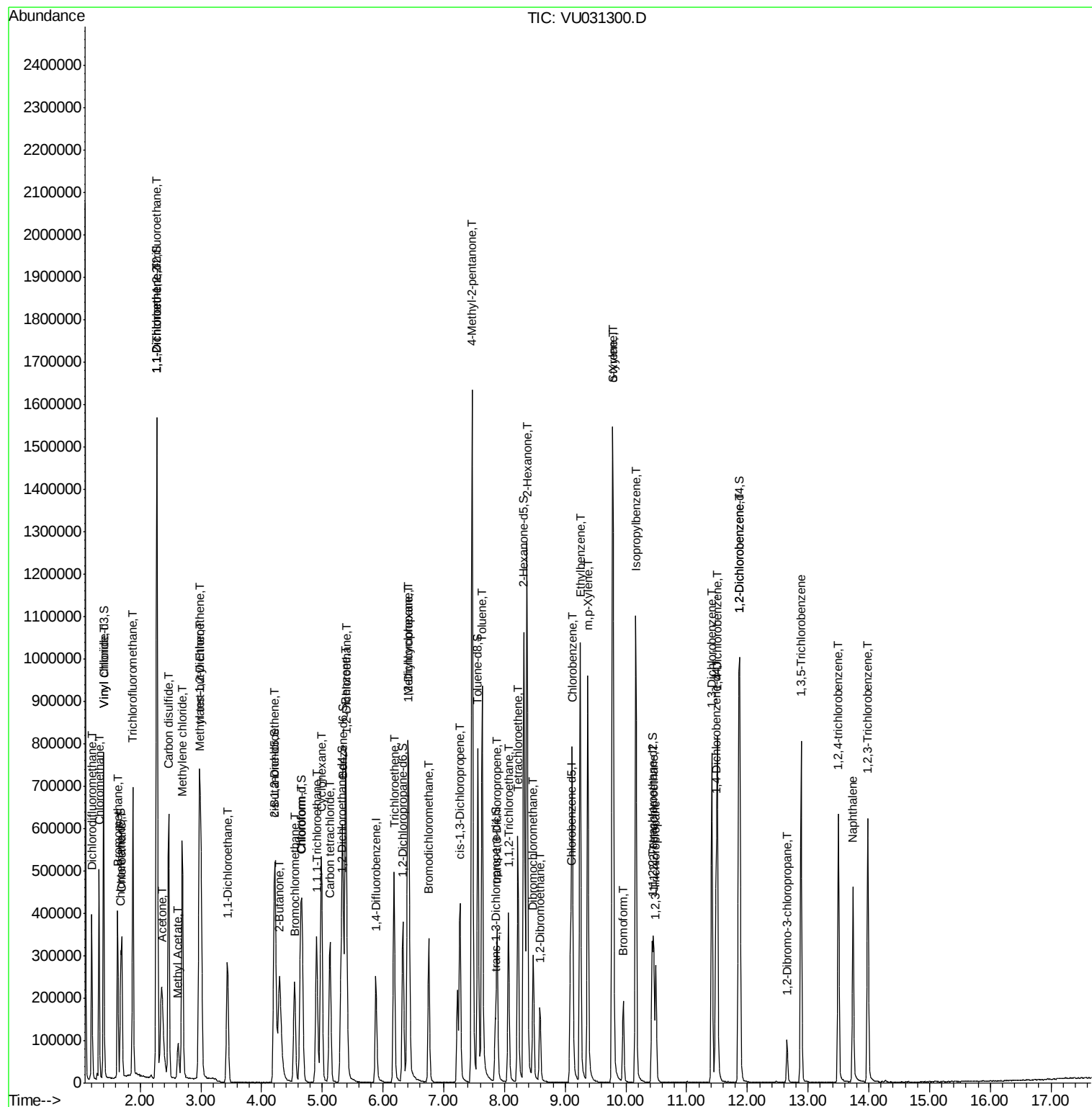
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	734316	10.028	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	213361	10.098	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	130334	9.555	ug/L	97
47) Tetrachloroethene	8.22	164	138689	9.482	ug/L	94
48) 2-Hexanone	8.37	43	883249	101.231	ug/L	99
49) Dibromochloromethane	8.47	129	157242	9.634	ug/L	100
50) 1,2-Dibromoethane	8.59	107	126009	9.753	ug/L	96
51) Chlorobenzene	9.12	112	438529	9.565	ug/L	98
52) Ethylbenzene	9.25	91	760885	10.060	ug/L	99
53) m,p-Xylene	9.37	106	282196	10.385	ug/L	98
54) o-Xylene	9.77	106	271428	10.136	ug/L	97
55) Styrene	9.79	104	475782	10.697	ug/L	99
56) Isopropylbenzene	10.16	105	728432	10.361	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	166171	9.530	ug/L	91
59) 1,2,3-Trichloropropane	10.49	75	116962	9.361	ug/L	98
61) Bromoform	9.96	173	91297	9.328	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	323140	9.651	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	326048	9.665	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	328739	9.646	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	25779	9.293	ug/L	87
67) 1,3,5-Trichlorobenzene	12.88	180	258527	9.400	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	202236	10.197	ug/L	98
69) Naphthalene	13.74	128	372611	10.762	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	204888	9.973	ug/L	96

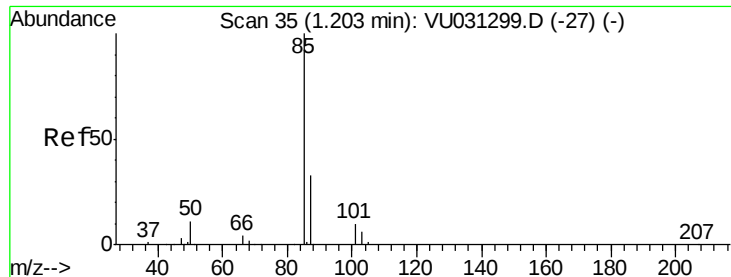
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.812 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

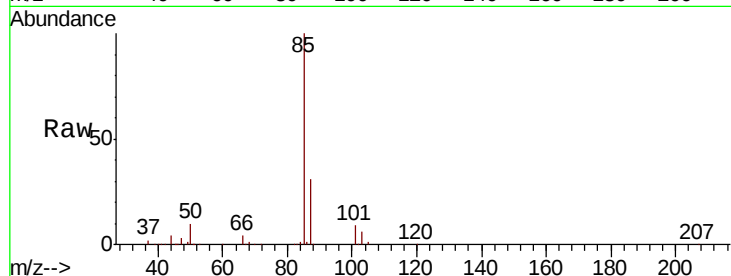
VSTD01006

Tgt Ion: 85 Resp: 242512

Ion Ratio Lower Upper

85 100

87 31.5 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031299.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031299.D (-27) (-)

1.20

250000

200000

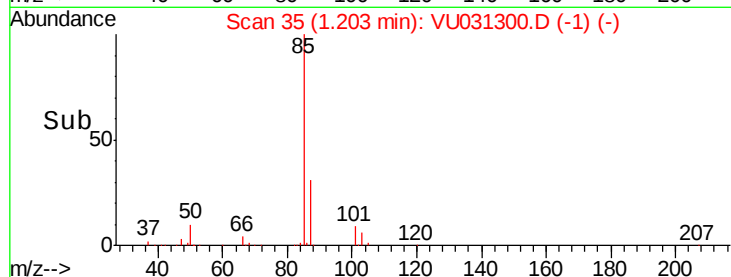
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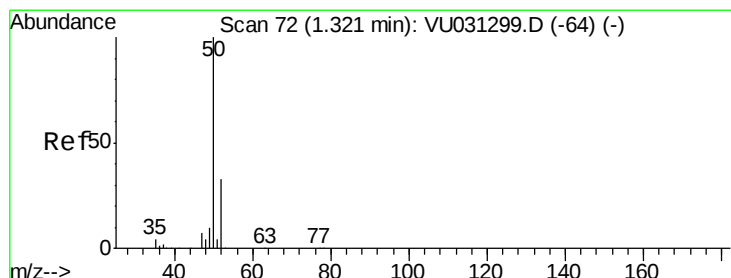
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 9.281 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031300.D

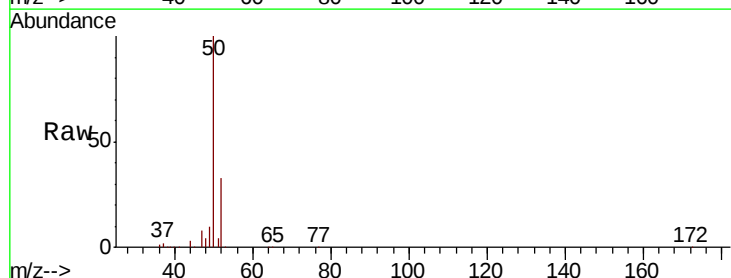
Acq: 18 Apr 2019 11:47

Tgt Ion: 50 Resp: 310409

Ion Ratio Lower Upper

50 100

52 32.5 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU031299.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU031299.D (-64) (-)

1.32

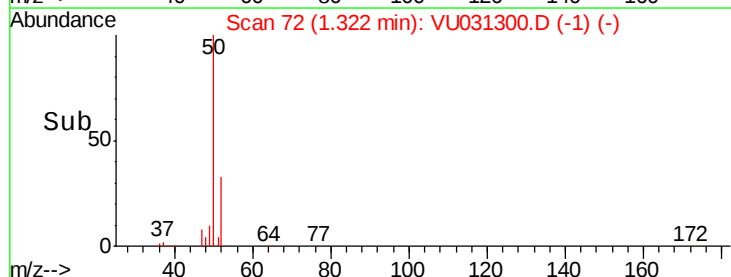
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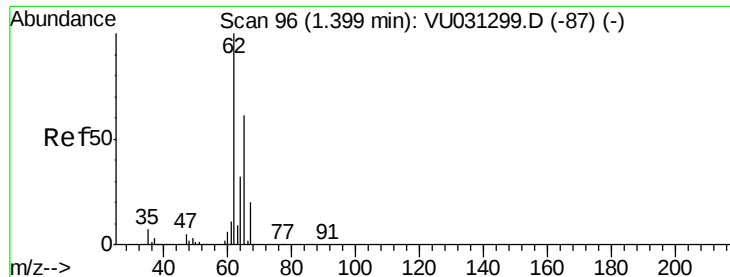
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 9.483 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

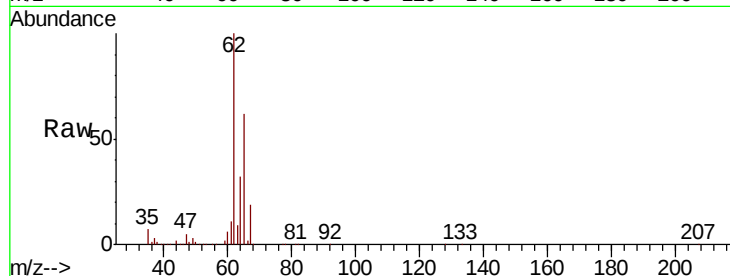
VSTD01006

Tgt Ion: 62 Resp: 323104

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU031299.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031299.D (-87) (-)

1.40

300000

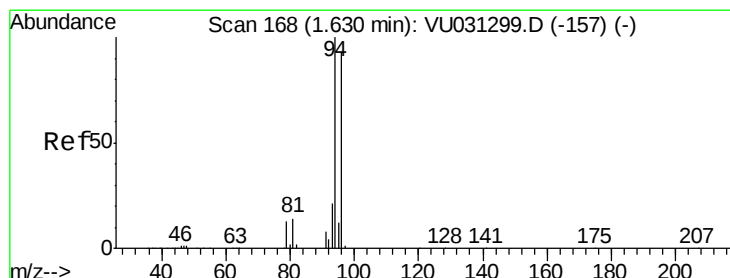
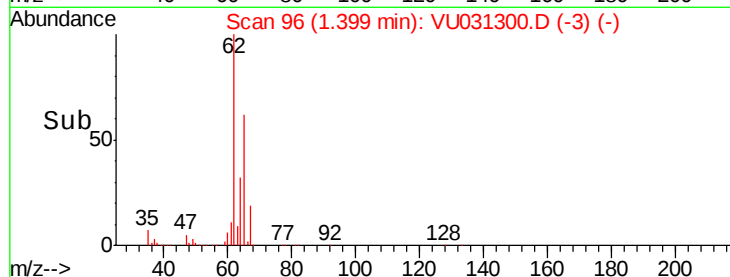
200000

100000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 9.293 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031300.D

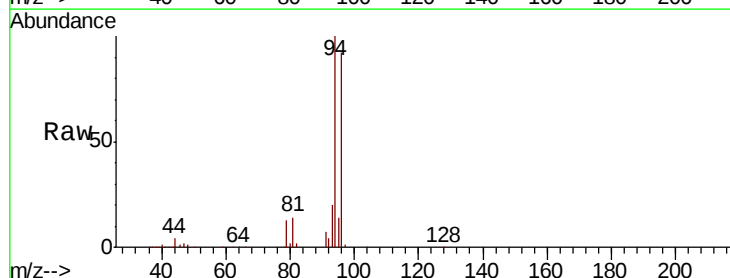
Acq: 18 Apr 2019 11:47

Tgt Ion: 94 Resp: 175470

Ion Ratio Lower Upper

94 100

96 91.6 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU031299.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU031299.D (-157) (-)

1.63

150000

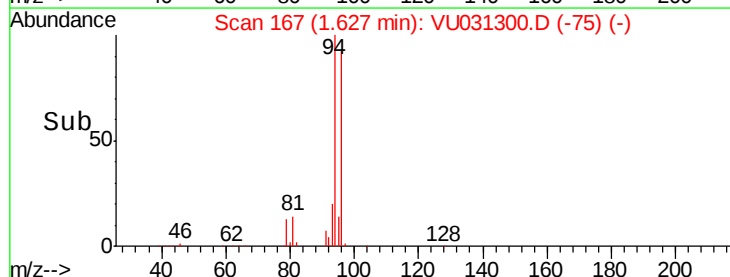
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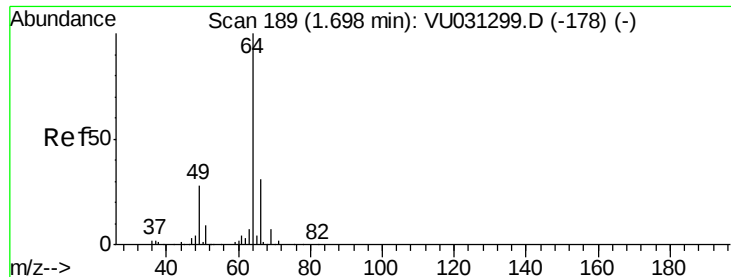
50000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 9.657 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

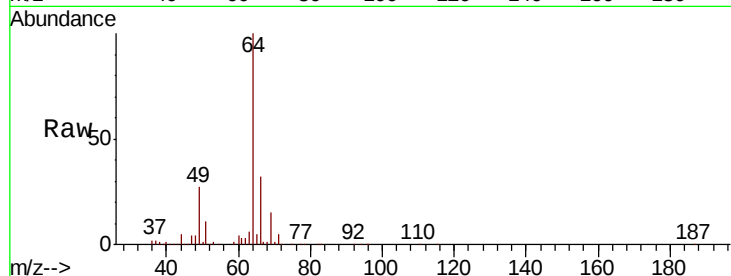
VSTD01006

Tgt Ion: 64 Resp: 187659

Ion Ratio Lower Upper

64 100

66 31.6 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VU031299.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031299.D (-178) (-)

1.70

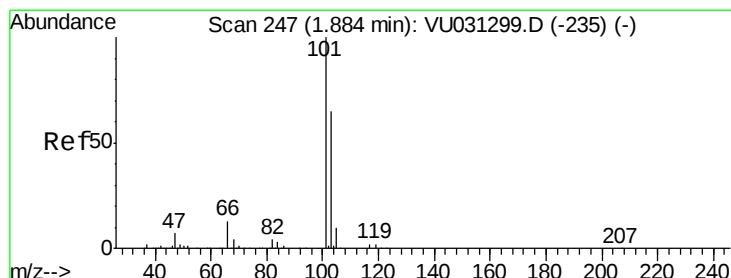
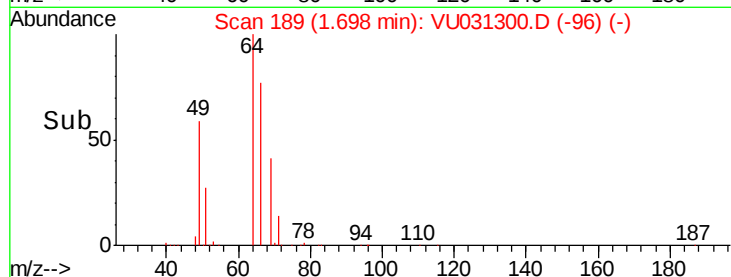
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.539 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031300.D

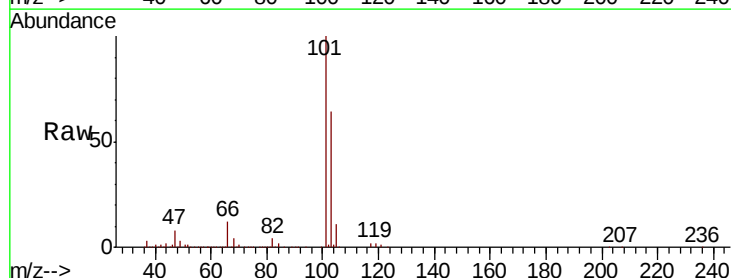
Acq: 18 Apr 2019 11:47

Tgt Ion: 101 Resp: 408796

Ion Ratio Lower Upper

101 100

103 64.2 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU031299.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031299.D (-235) (-)

1.88

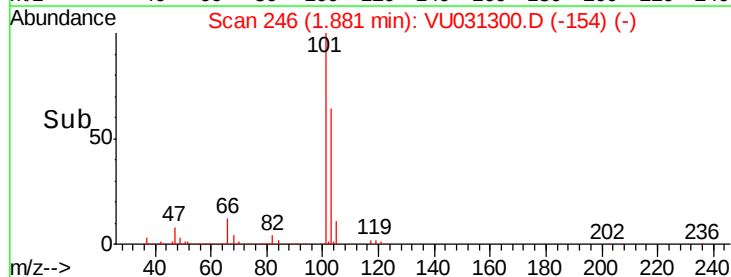
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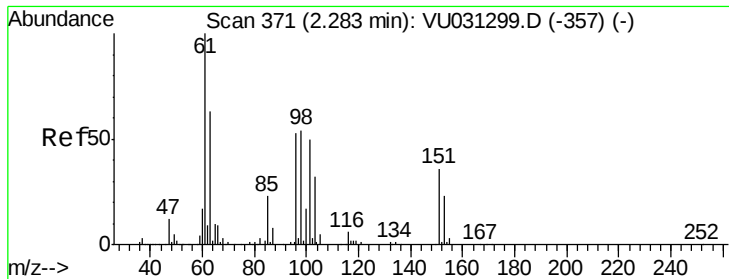
200000

100000

0

Time-->





#10

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

Concen: 9.603 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

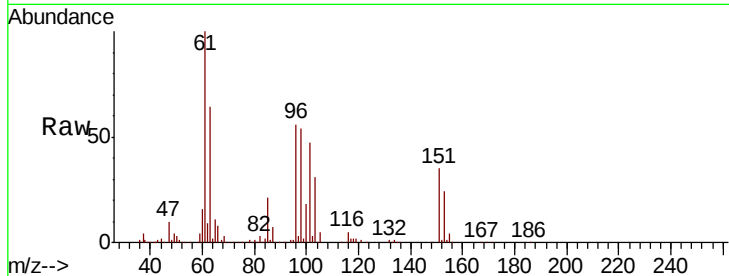
Tgt Ion: 101 Resp: 222344

Ion Ratio Lower Upper

101 100

85 44.4 37.2 55.8

151 72.6 58.9 88.3



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

150000

100000

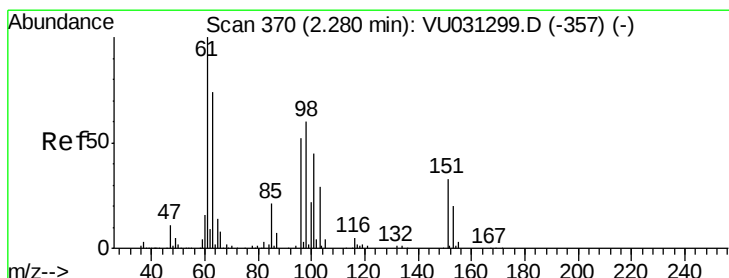
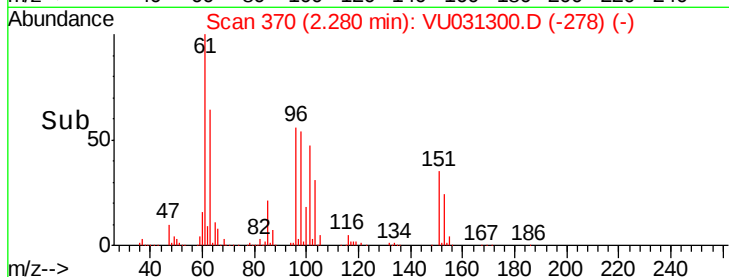
50000

0

2.28

2.25 2.30 2.35

Time-->



#12

1,1-Dichloroethene

Concen: 9.527 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

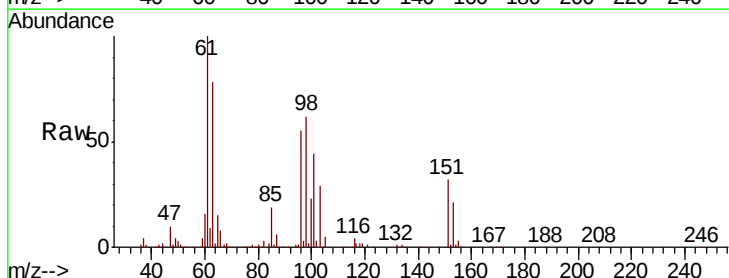
Tgt Ion: 96 Resp: 219689

Ion Ratio Lower Upper

96 100

61 183.2 133.7 248.3

63 143.5 100.5 186.7



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

300000

200000

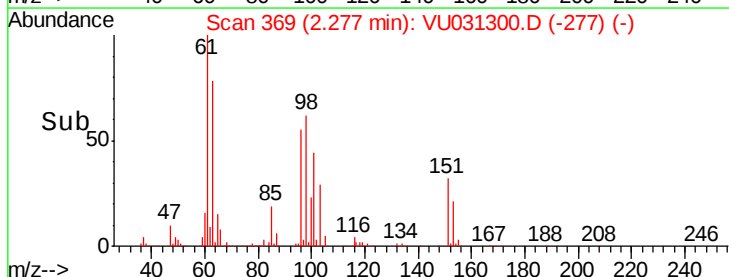
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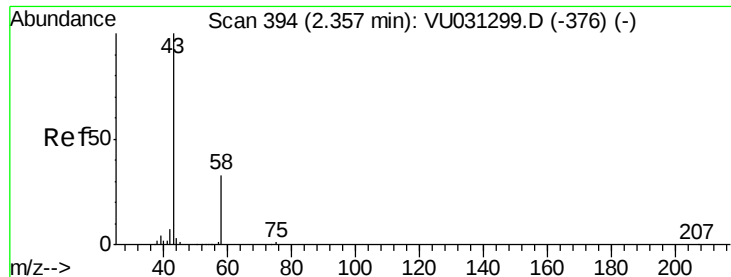
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2.28

2.25 2.30 2.35

Time-->





#13

Acetone

Concen: 91.252 ug/L

RT: 2.35 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampled :

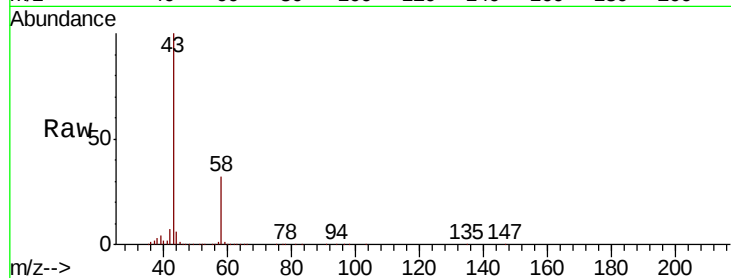
VSTD01006

Tgt Ion: 43 Resp: 470119

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU031299.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU031299.D (-376) (-)

2.35

150000

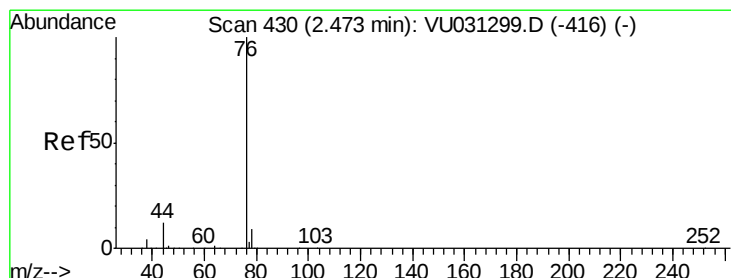
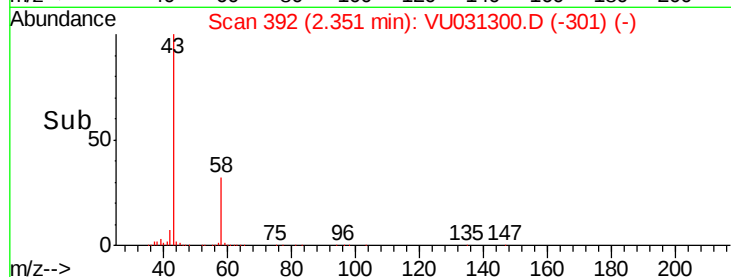
100000

50000

0

Time-->

2.20 2.30 2.40 2.50 2.60



#14

Carbon disulfide

Concen: 9.621 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU031300.D

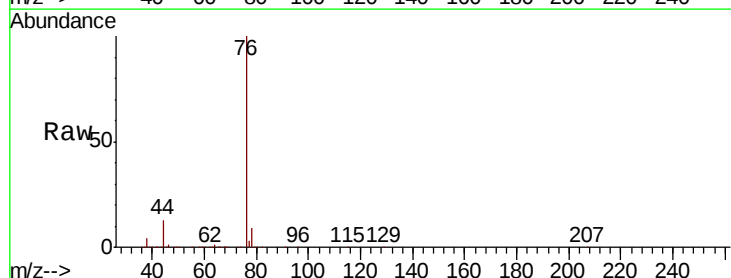
Acq: 18 Apr 2019 11:47

Tgt Ion: 76 Resp: 740761

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU031299.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031299.D (-416) (-)

2.47

500000

400000

300000

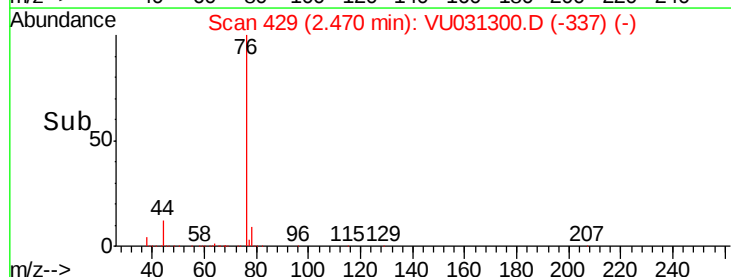
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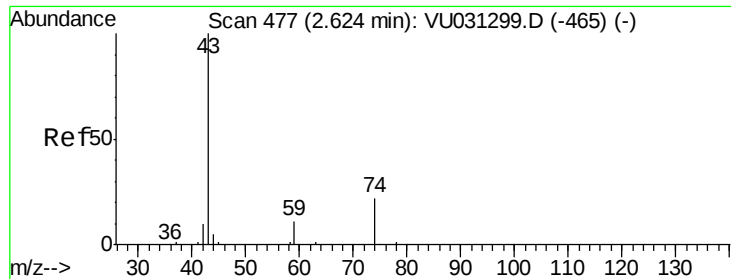
100000

0

Time-->

2.40 2.45 2.50 2.55

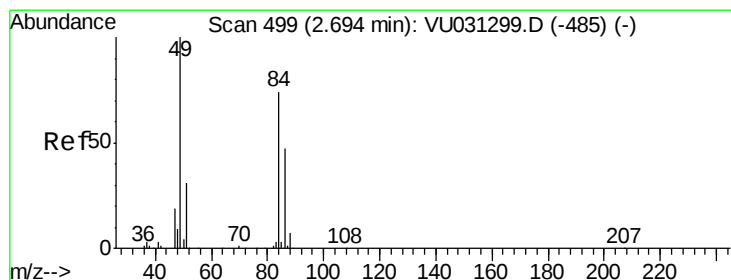
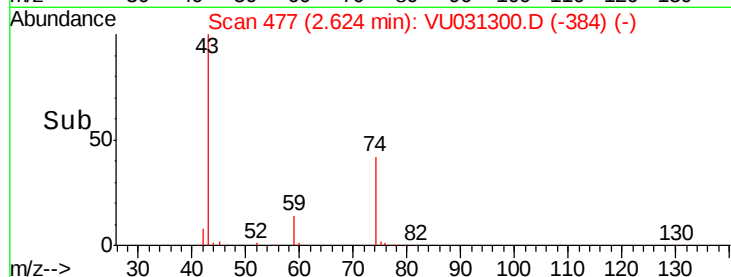
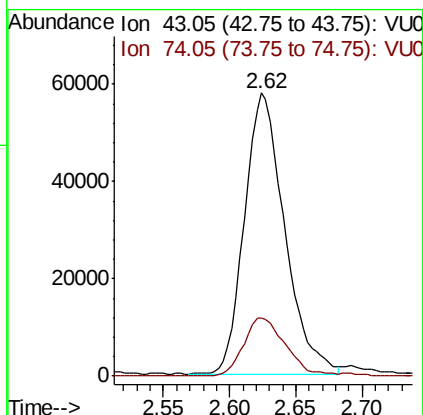
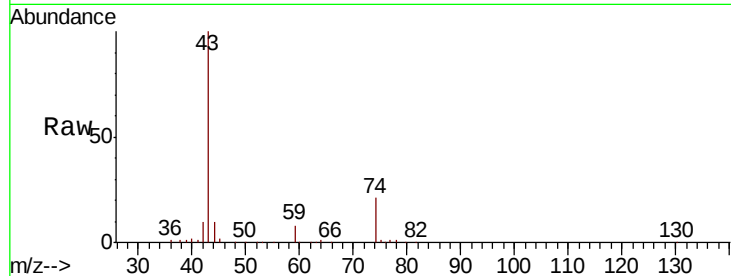




#15
Methyl Acetate
Concen: 8.668 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU031300.D
Acq: 18 Apr 2019 11:47

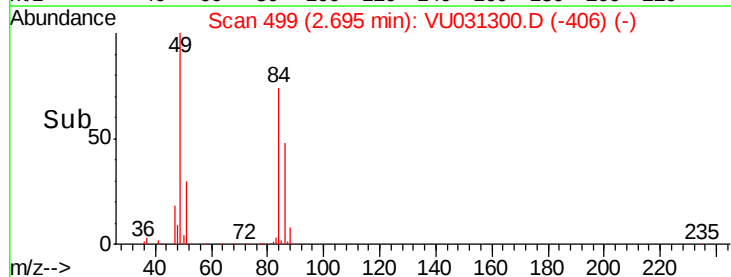
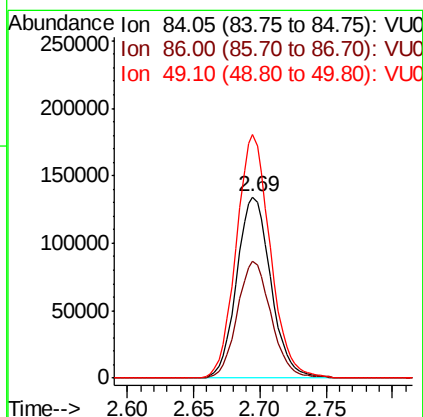
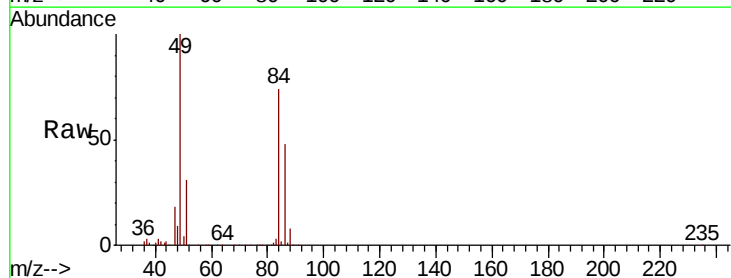
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

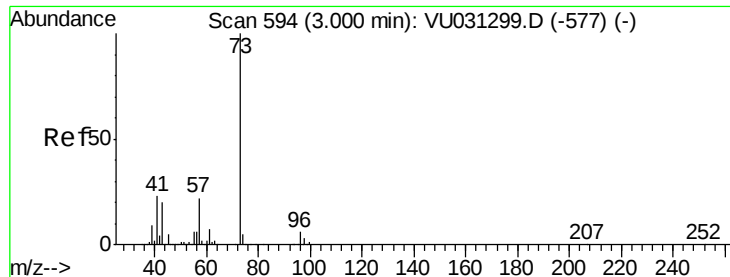
Tgt Ion: 43 Resp: 122060
Ion Ratio Lower Upper
43 100
74 21.7 16.7 25.1



#16
Methylene chloride
Concen: 8.600 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU031300.D
Acq: 18 Apr 2019 11:47

Tgt Ion: 84 Resp: 240826
Ion Ratio Lower Upper
84 100
86 64.3 44.1 81.9
49 134.3 94.6 175.6

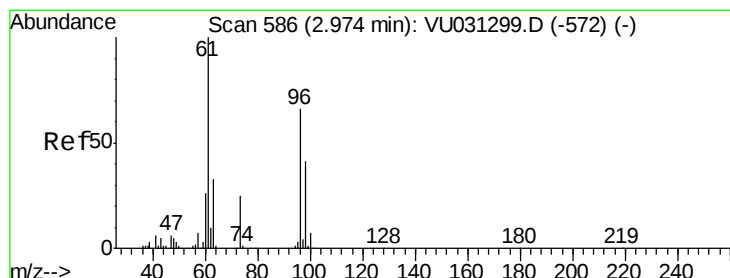
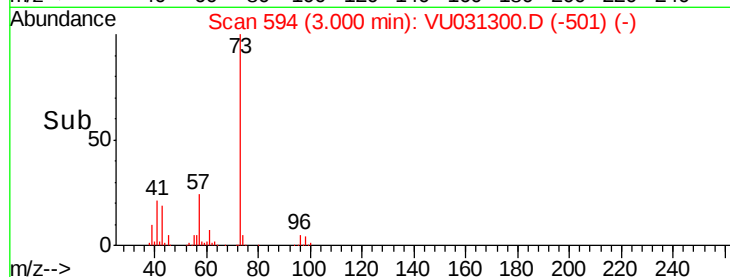
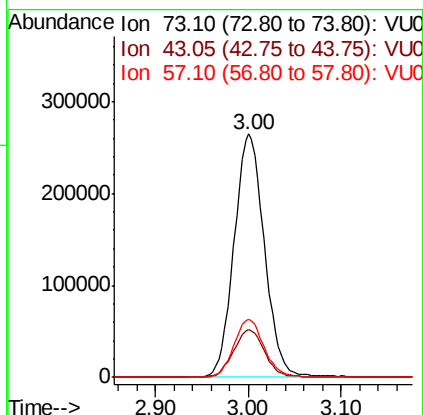
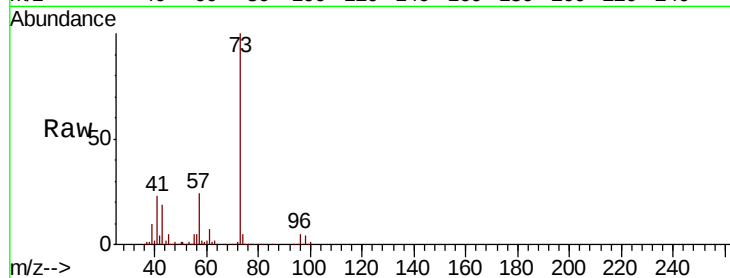




#17
Methyl tert-butyl Ether
Concen: 9.715 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU031300.D
Acq: 18 Apr 2019 11:47

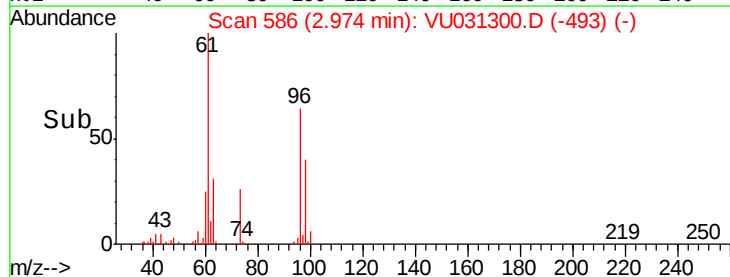
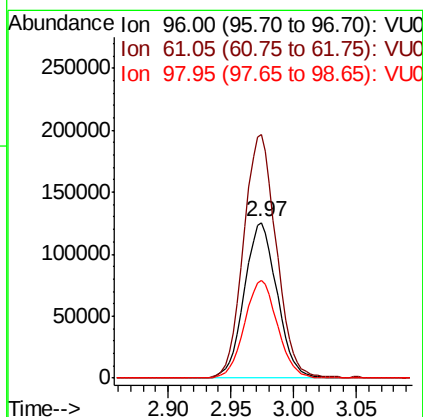
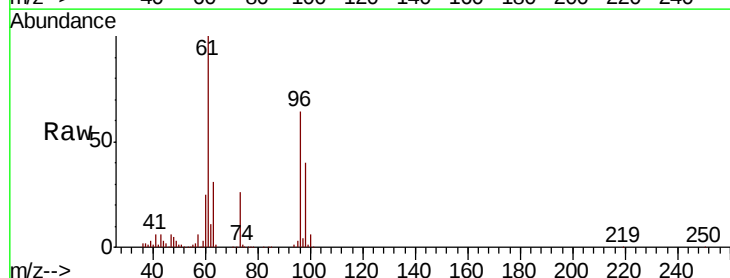
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

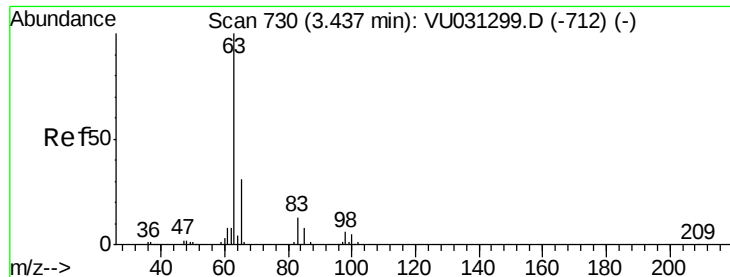
Tgt Ion: 73 Resp: 600241
Ion Ratio Lower Upper
73 100
43 20.3 16.3 24.5
57 23.7 18.8 28.2



#18
trans-1,2-Dichloroethene
Concen: 9.291 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU031300.D
Acq: 18 Apr 2019 11:47

Tgt Ion: 96 Resp: 226019
Ion Ratio Lower Upper
96 100
61 156.8 106.5 197.7
98 62.6 43.5 80.9

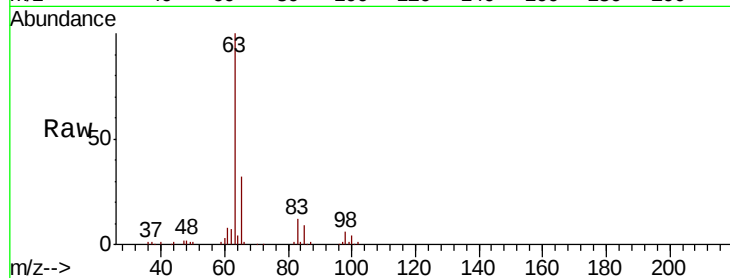




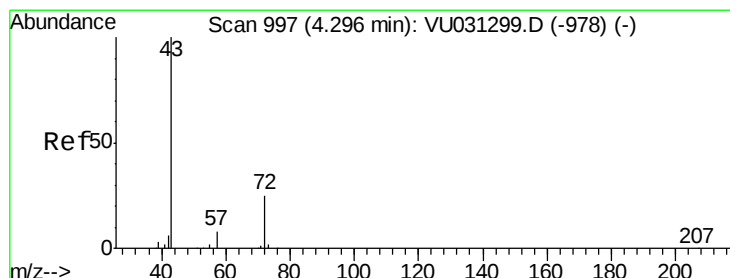
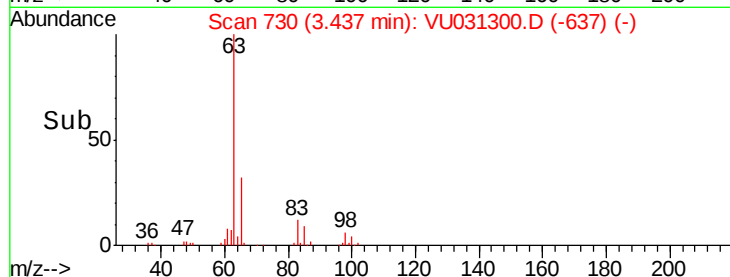
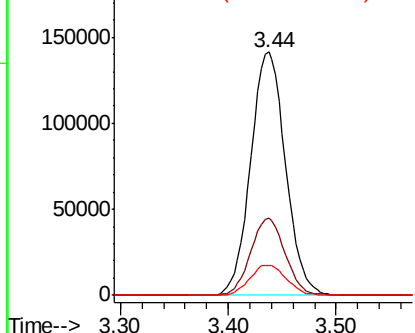
#19
 1,1-Dichloroethane
 Concen: 9.339 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion: 63 Resp: 317029
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 41.0
 83 12.4 9.2 17.2

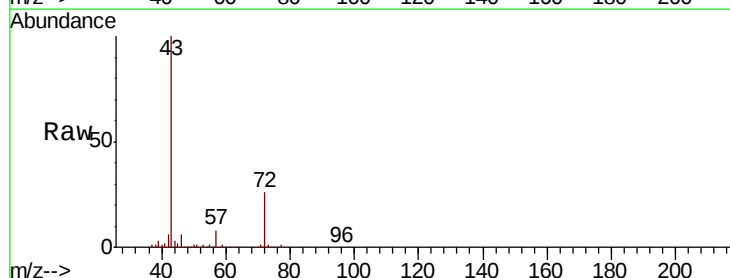


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

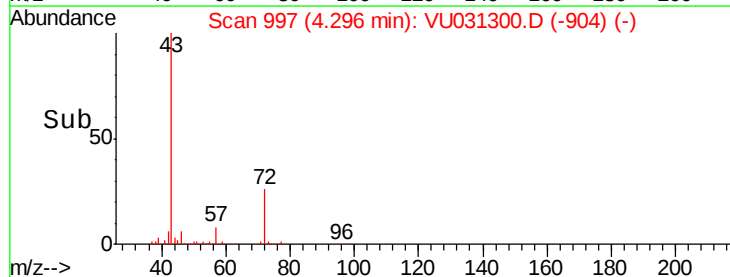
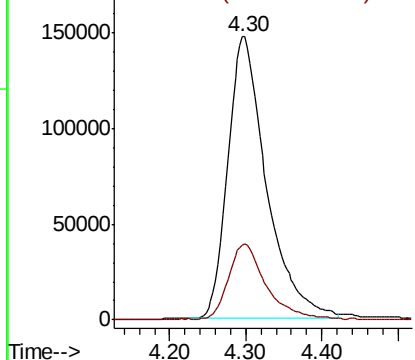


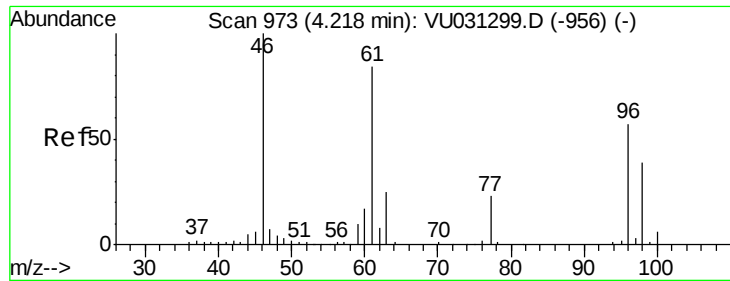
#21
 2-Butanone
 Concen: 98.202 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Tgt Ion: 43 Resp: 522642
 Ion Ratio Lower Upper
 43 100
 72 25.4 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



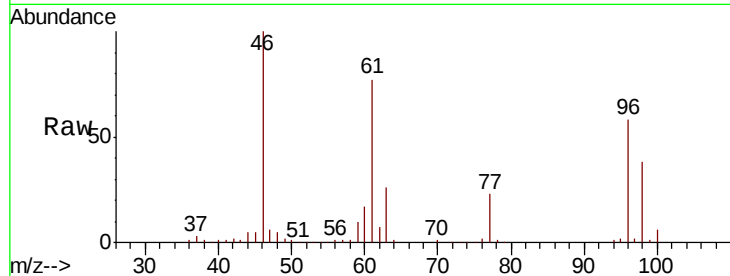


#22

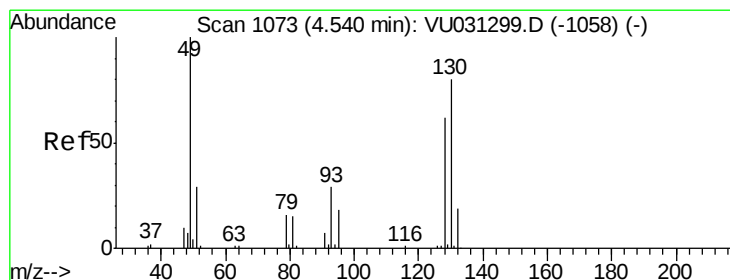
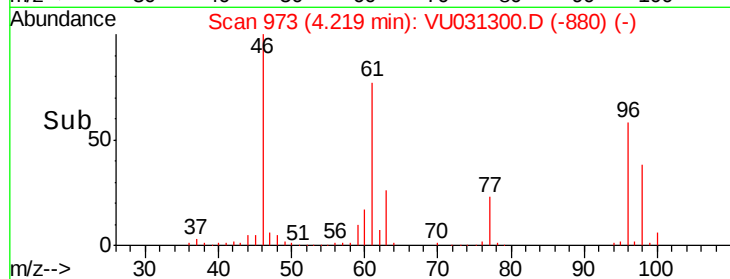
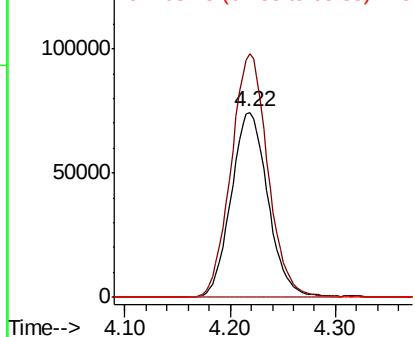
cis-1,2-Dichloroethene
 Concen: 9.561 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD01006

Tgt Ion: 96 Resp: 179830
 Ion Ratio Lower Upper
 96 100
 61 131.8 103.5 192.1
 68 0.0 0.0 0.0



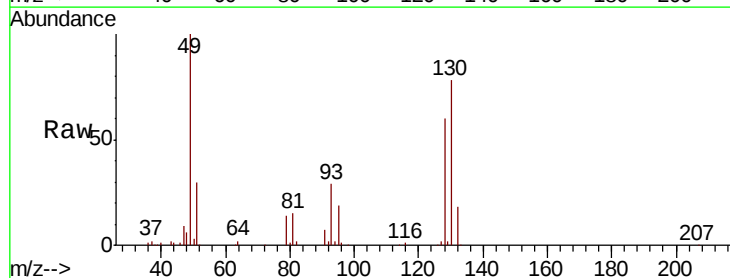
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



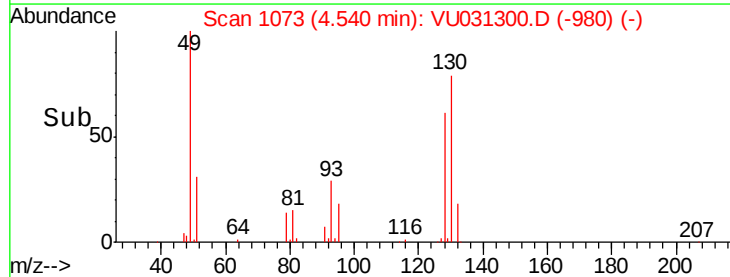
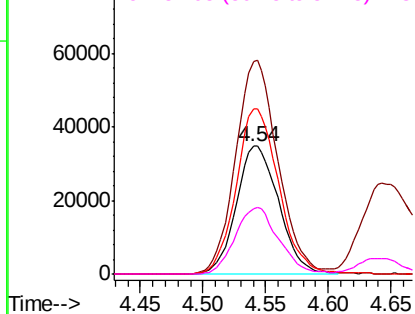
#23

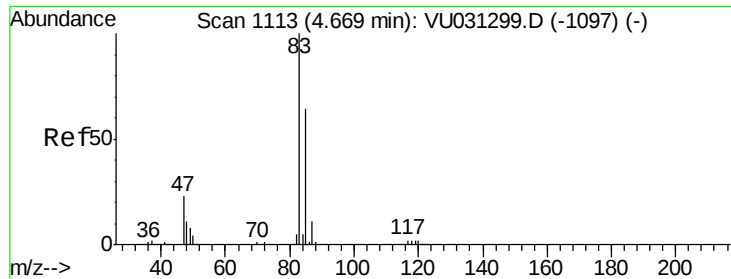
Bromochloromethane
 Concen: 9.742 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Tgt Ion: 128 Resp: 81659
 Ion Ratio Lower Upper
 128 100
 49 166.4 113.2 210.2
 130 129.4 90.1 167.3
 51 50.7 37.8 56.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 9.571 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

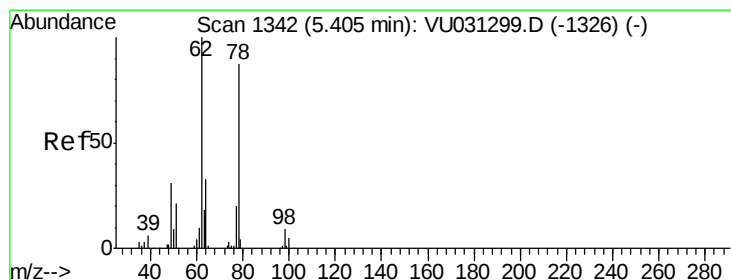
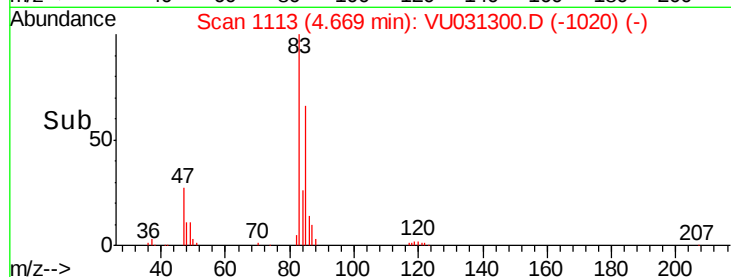
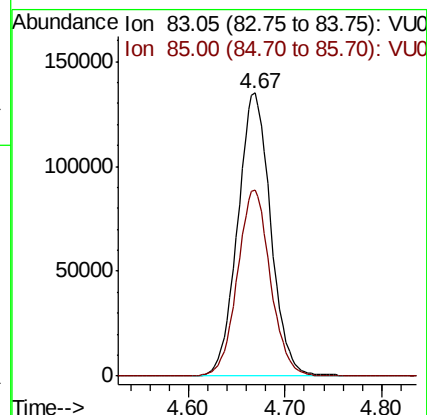
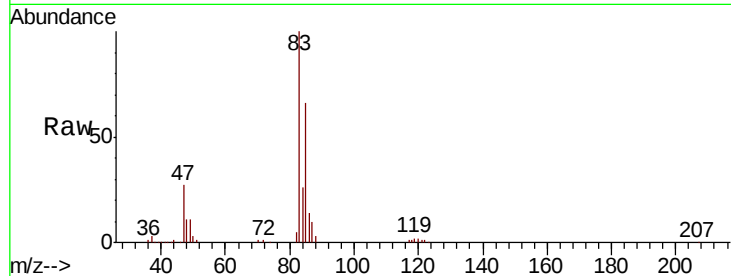
VSTD01006

Tgt Ion: 83 Resp: 320083

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 9.604 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU031300.D

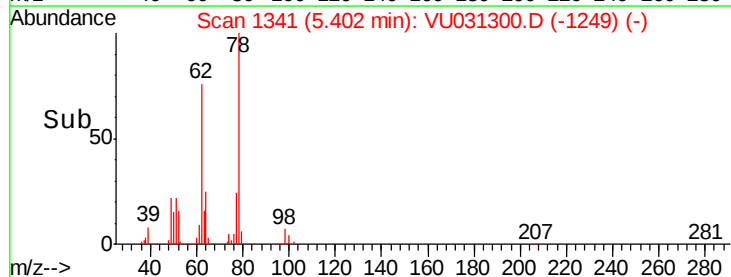
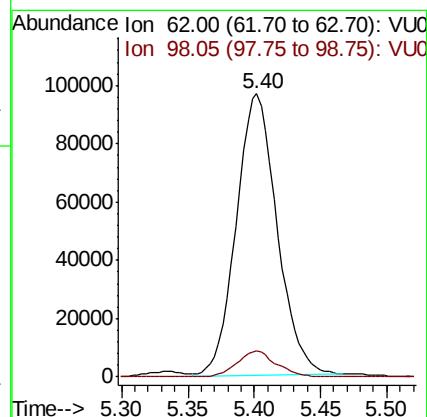
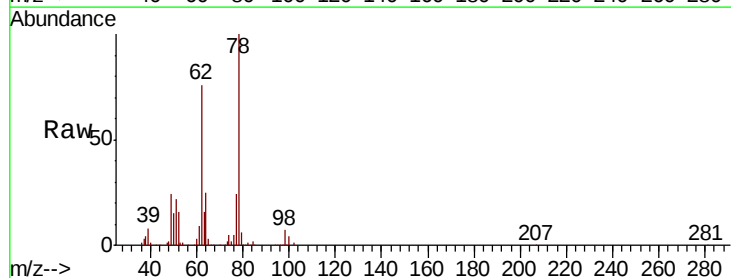
Acq: 18 Apr 2019 11:47

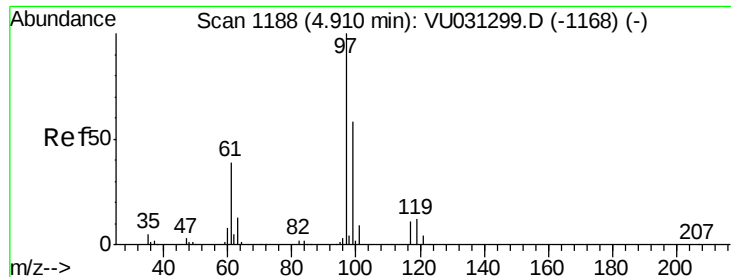
Tgt Ion: 62 Resp: 207103

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.0

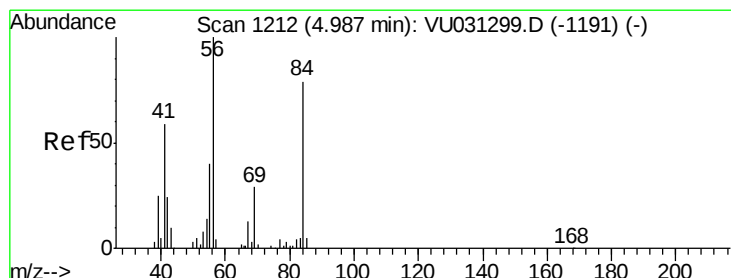
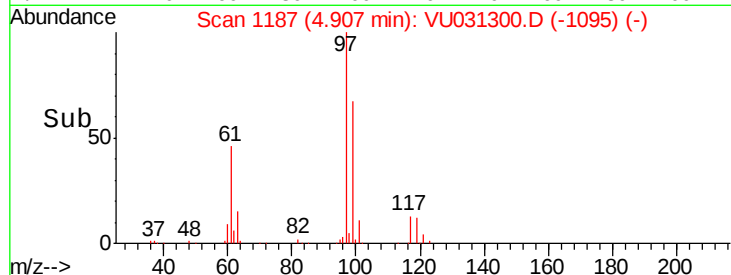
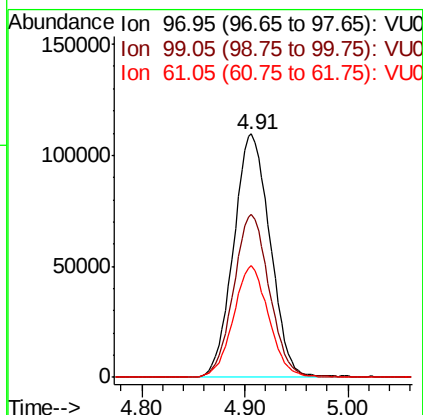
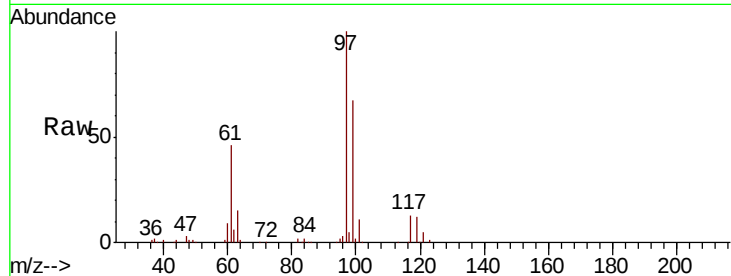




#29
 1,1,1-Trichloroethane
 Concen: 9.336 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

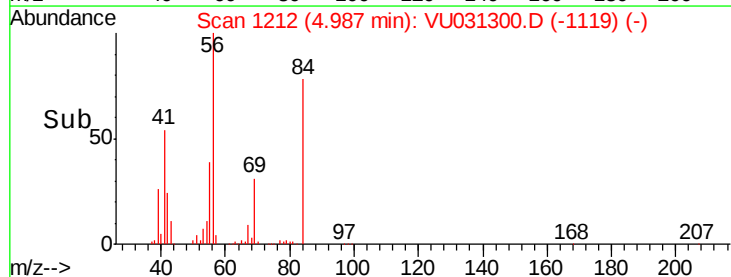
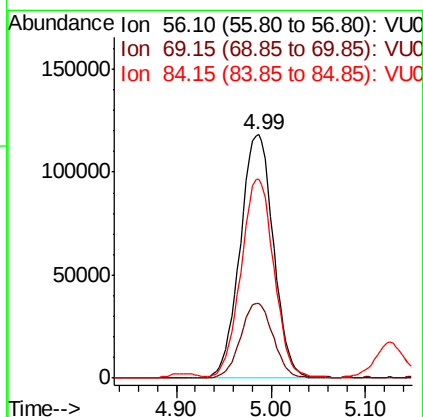
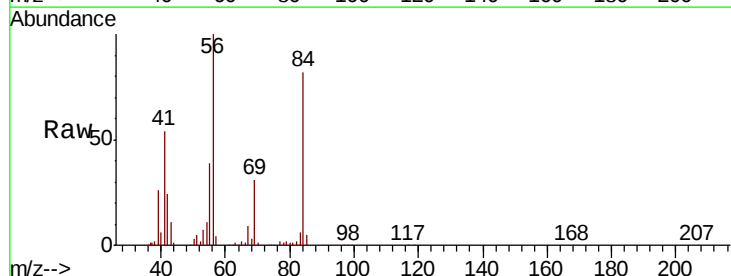
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

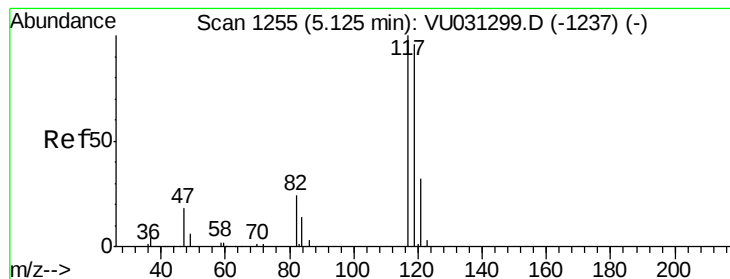
Tgt Ion	Resp	Lower	Upper
97	269743		
99	65.6	50.6	76.0
61	44.3	33.9	50.9



#30
 Cyclohexane
 Concen: 9.842 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Tgt Ion	Resp	Lower	Upper
56	289668		
69	30.0	23.3	34.9
84	80.0	62.6	94.0





#31

Carbon tetrachloride

Concen: 9.356 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

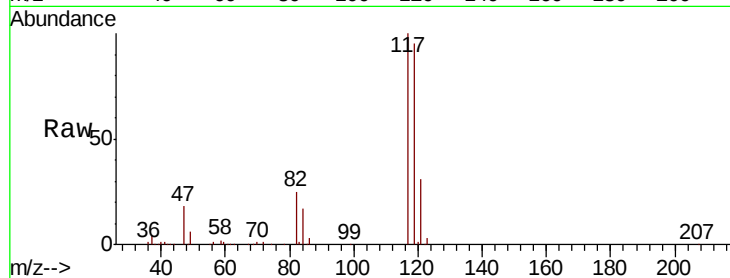
VSTD01006

Tgt Ion:117 Resp: 241397

Ion Ratio Lower Upper

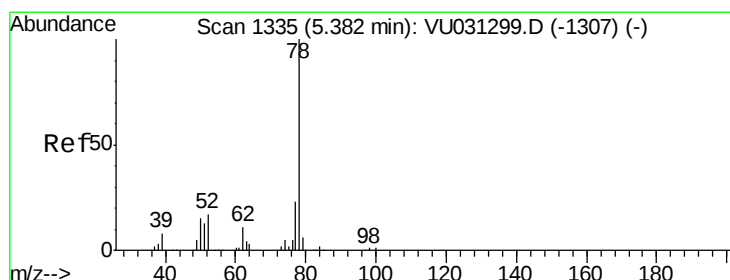
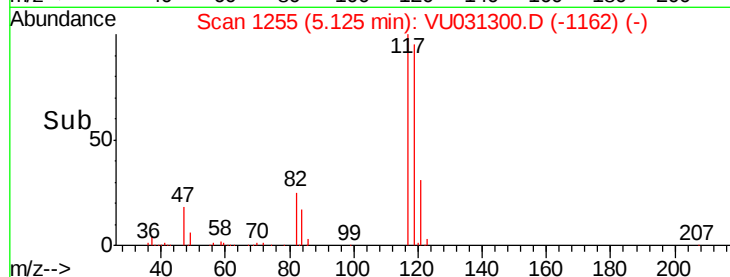
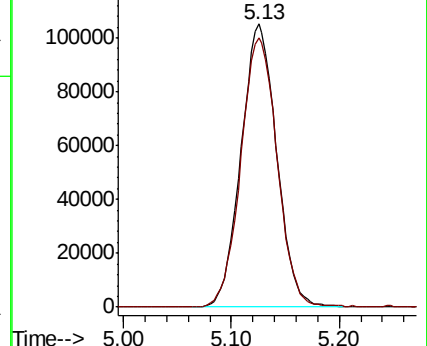
117 100

119 96.9 79.6 119.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.511 ug/L

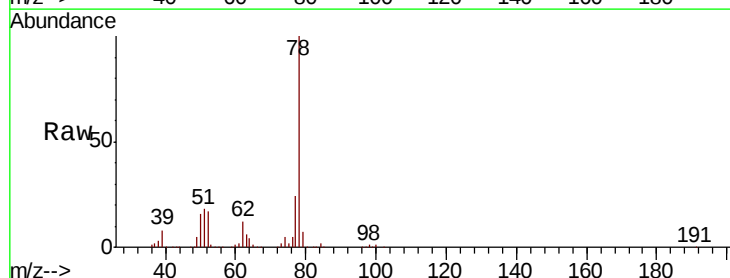
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

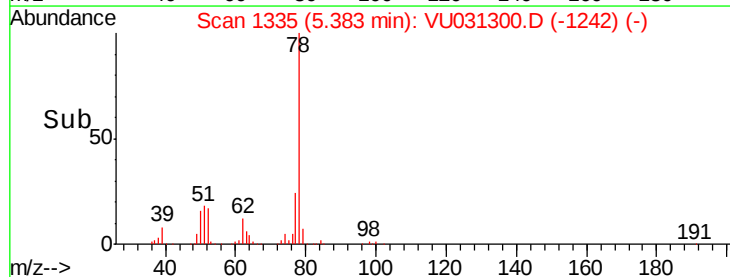
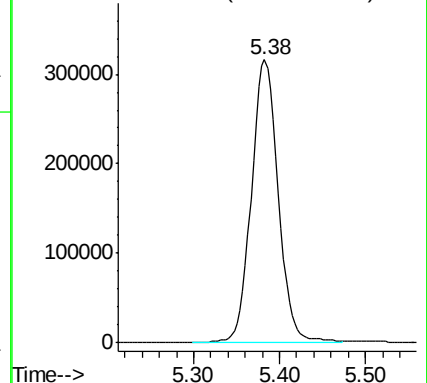
Lab File: VU031300.D

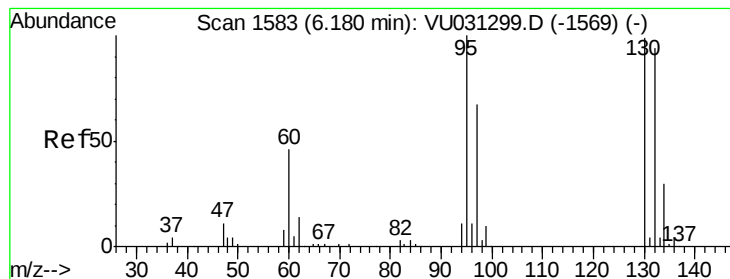
Acq: 18 Apr 2019 11:47

Tgt Ion: 78 Resp: 690711



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.155 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

Tgt Ion: 95 Resp: 179708

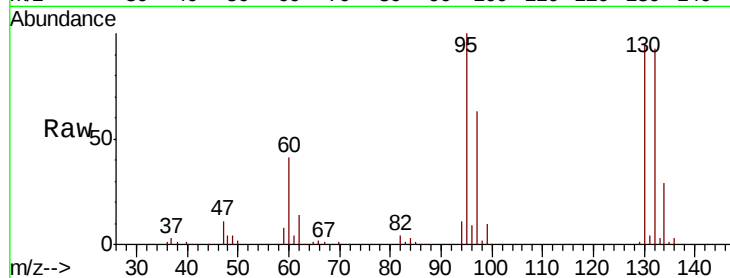
Ion Ratio Lower Upper

95 100

97 63.0 46.8 86.8

132 93.0 65.8 122.2

130 95.1 69.5 129.1

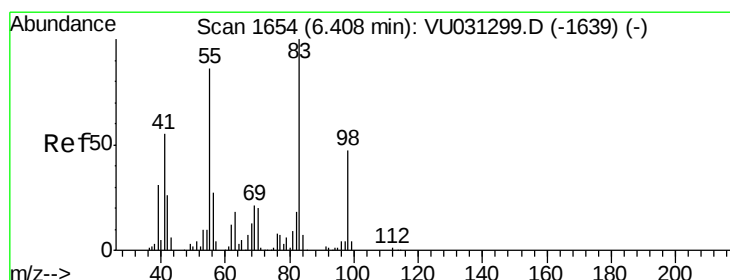
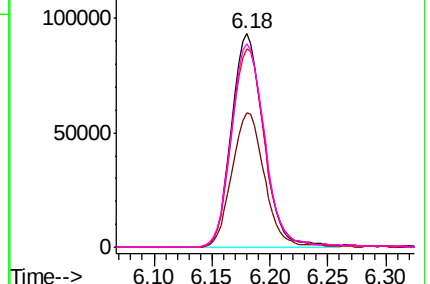
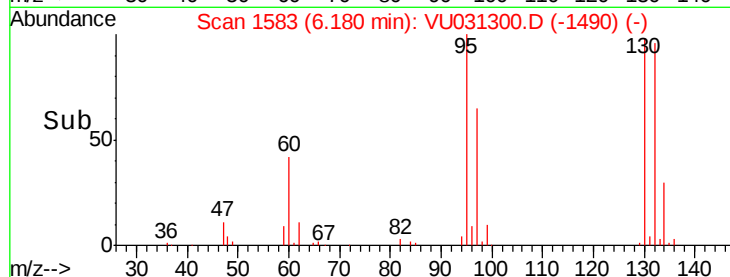


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 9.769 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

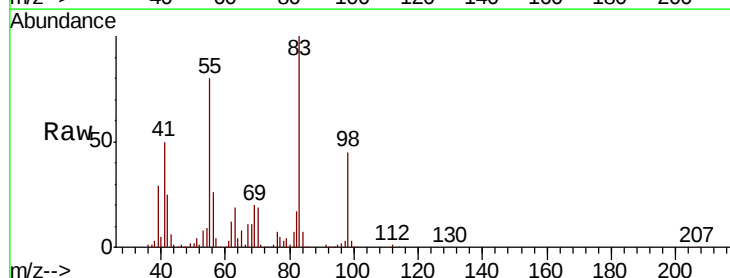
Tgt Ion: 83 Resp: 264088

Ion Ratio Lower Upper

83 100

55 84.3 70.6 105.8

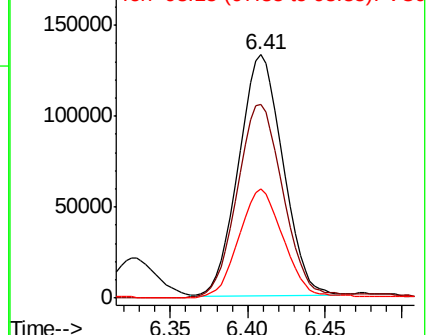
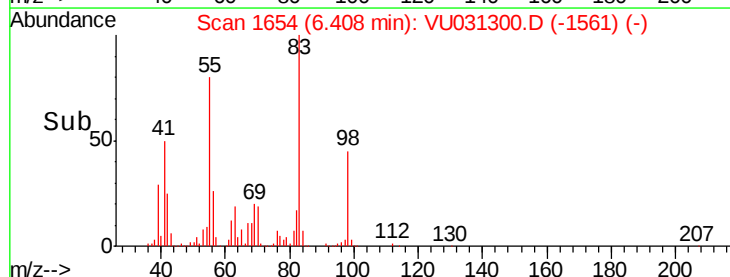
98 46.3 37.0 55.4

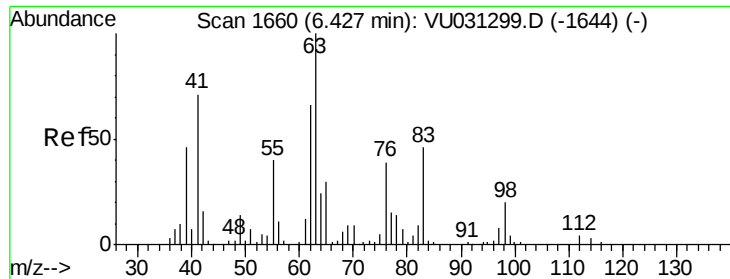


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 9.281 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

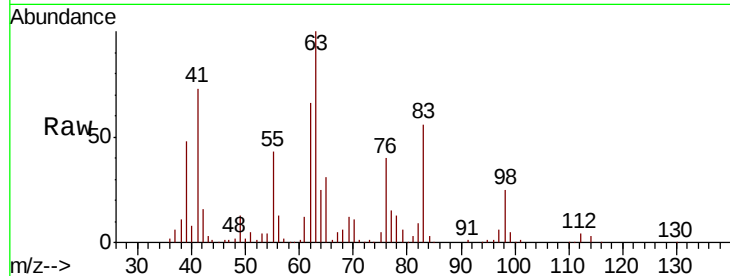
VSTD01006

Tgt Ion: 63 Resp: 177675

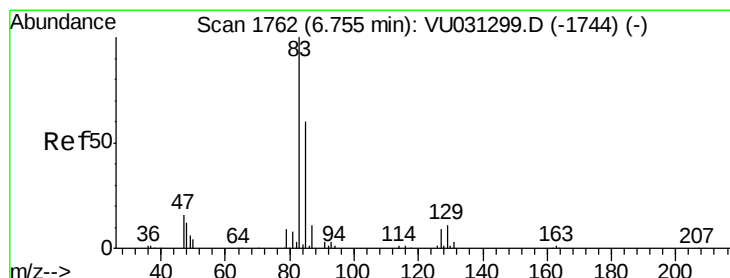
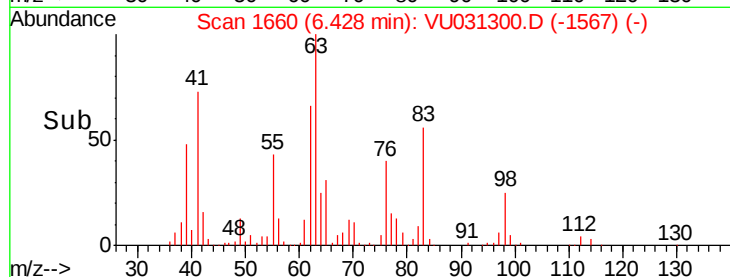
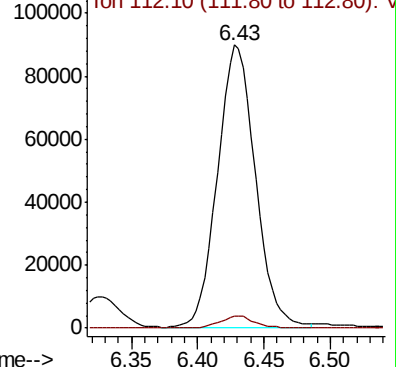
Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU031299.D (-1644) (-)



#38

Bromodichloromethane

Concen: 9.540 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

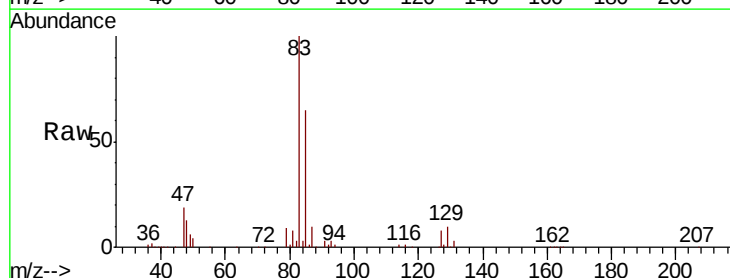
Tgt Ion: 83 Resp: 227878

Ion Ratio Lower Upper

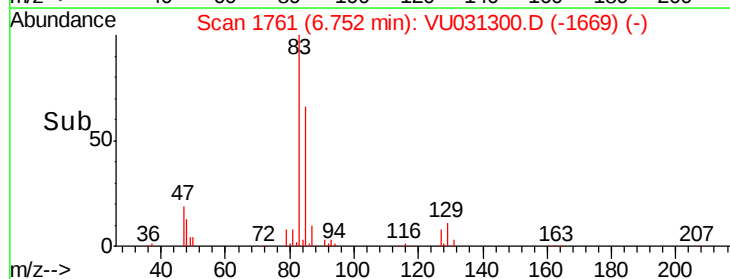
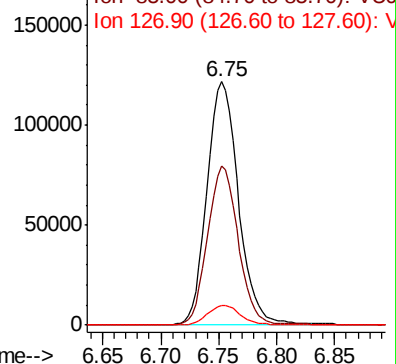
83 100

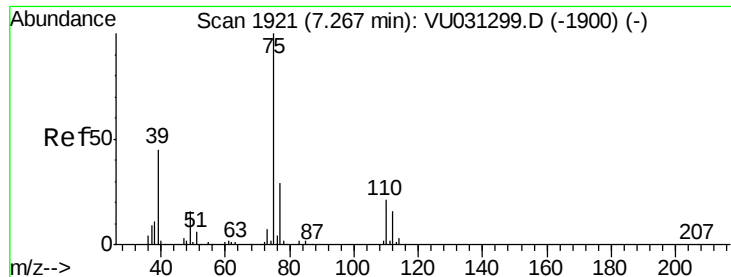
85 65.1 41.9 77.7

127 8.2 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VU031299.D (-1744) (-)

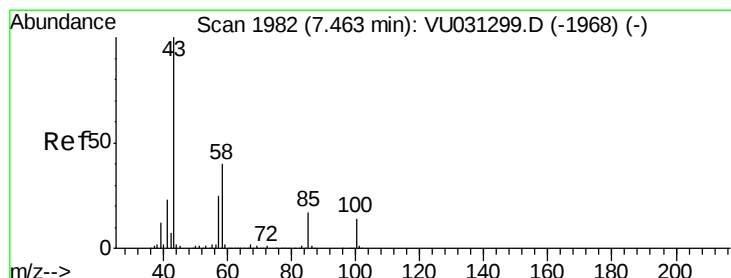
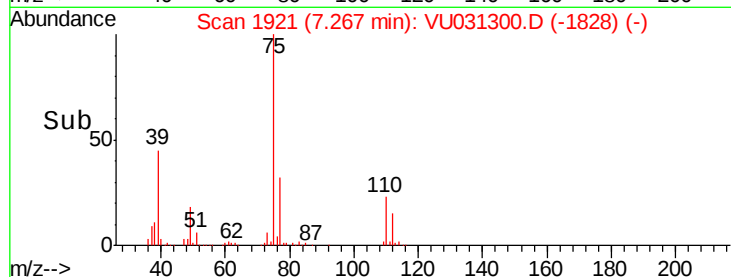
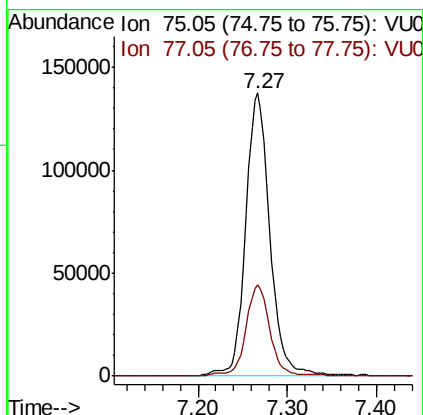
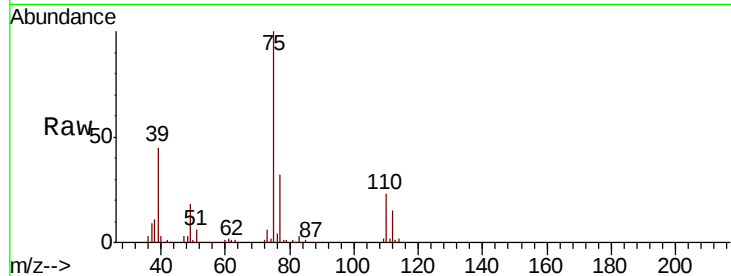




#39
 cis-1,3-Dichloropropene
 Concen: 10.224 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

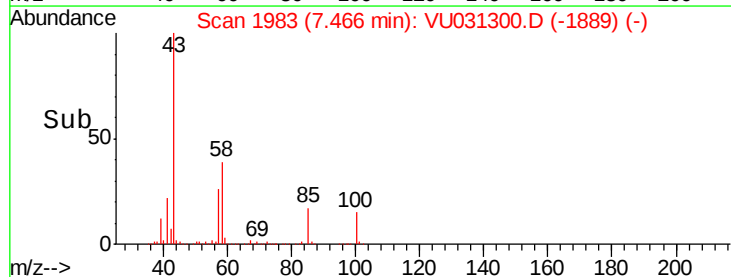
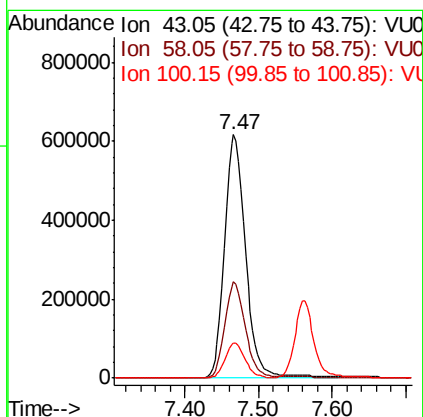
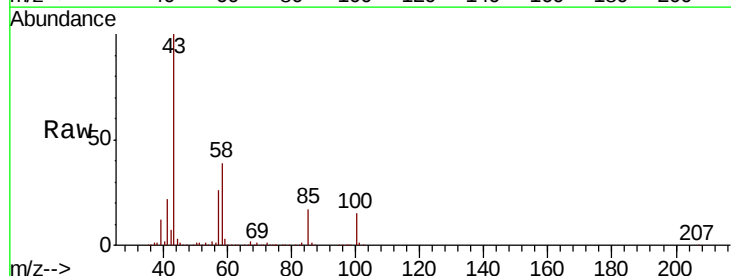
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

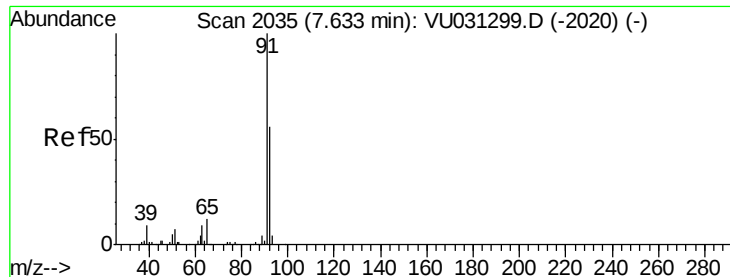
Tgt Ion: 75 Resp: 258862
 Ion Ratio Lower Upper
 75 100
 77 32.2 20.2 37.4



#40
 4-Methyl-2-pentanone
 Concen: 100.042 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Tgt Ion: 43 Resp: 1229883
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.7 46.1
 100 13.8 11.1 16.7





#42

Toluene

Concen: 10.028 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

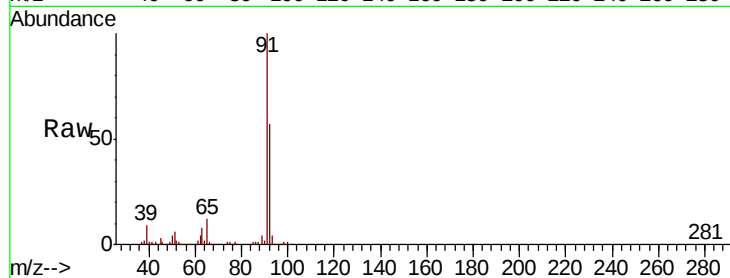
VSTD01006

Tgt Ion: 91 Resp: 734316

Ion Ratio Lower Upper

91 100

92 57.3 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU031299.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031299.D (-2020) (-)

7.63

400000

300000

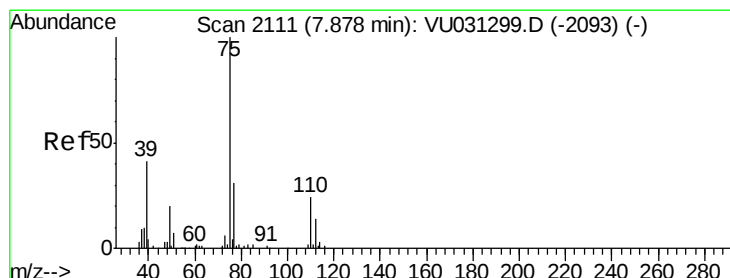
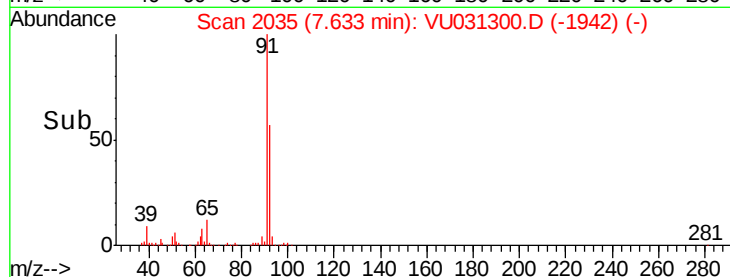
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.098 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031300.D

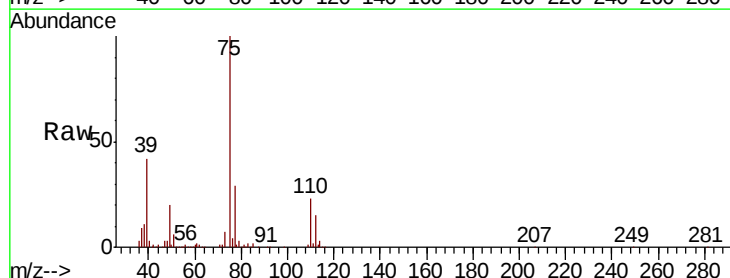
Acq: 18 Apr 2019 11:47

Tgt Ion: 75 Resp: 213361

Ion Ratio Lower Upper

75 100

77 29.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU031299.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031299.D (-2093) (-)

7.88

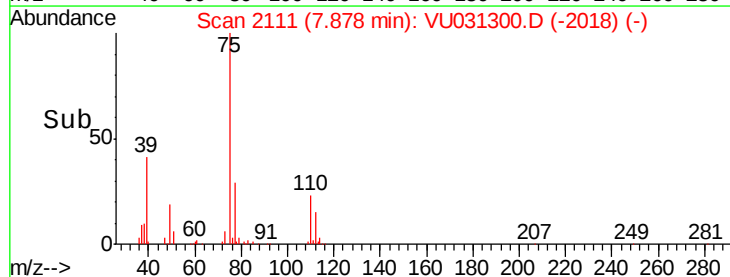
100000

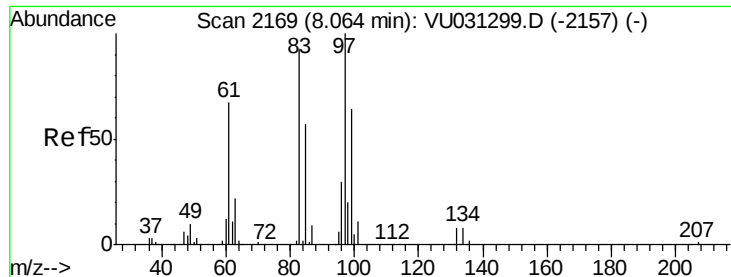
50000

0

7.80 7.90 8.00

Time-->

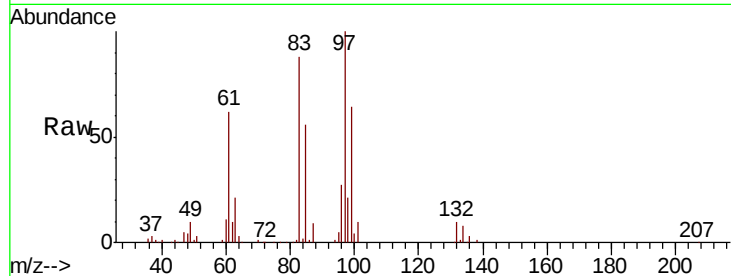




#45
 1,1,2-Trichloroethane
 Concen: 9.555 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:	97	Resp:	130334
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.8	83.2
83	88.3	64.9	120.5
85	55.7	40.1	74.5



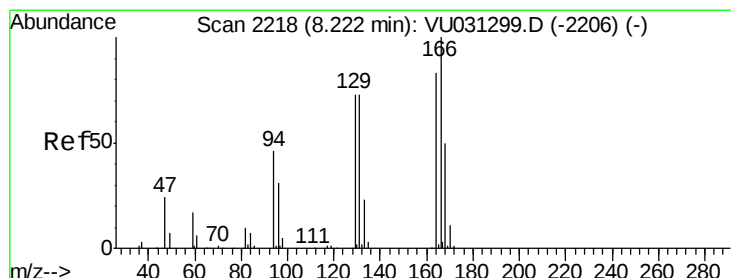
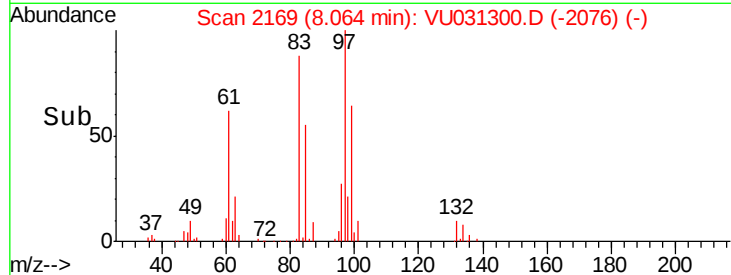
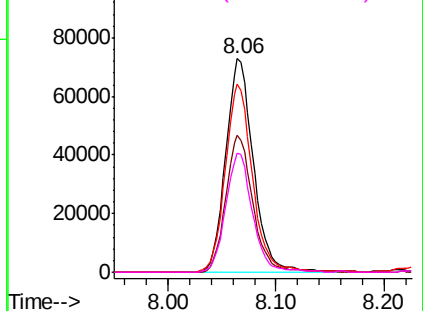
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

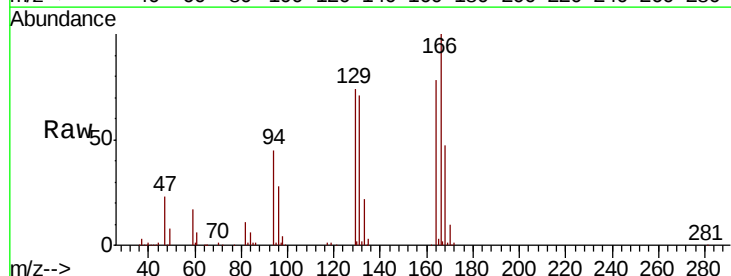
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 9.482 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Tgt Ion:	164	Resp:	138689
Ion	Ratio	Lower	Upper
164	100		
129	94.7	61.9	114.9
131	91.7	61.5	114.3
166	128.6	84.6	157.0



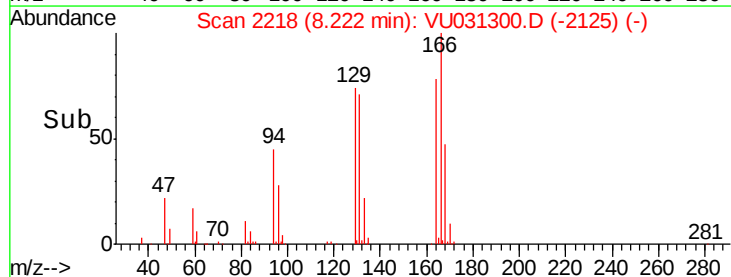
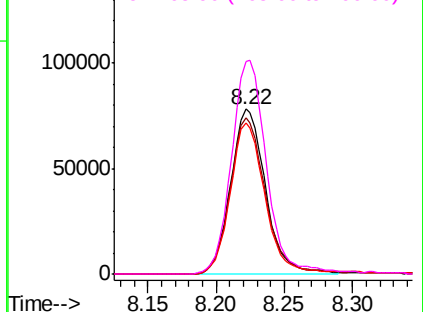
Abundance

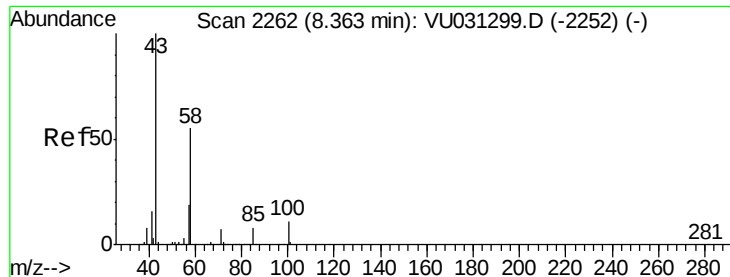
Ion 163.90 (163.60 to 164.60): V

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

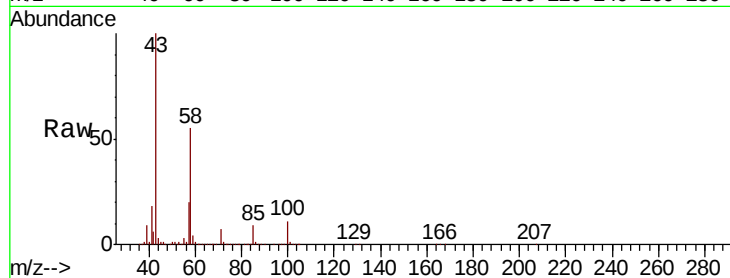




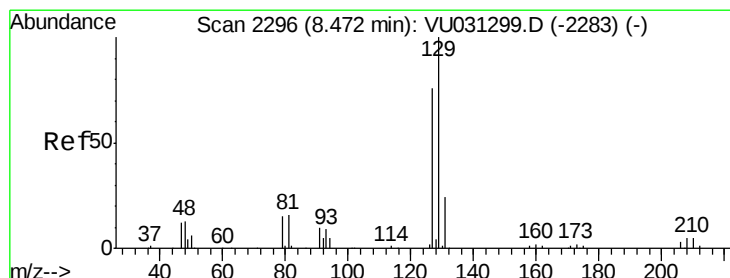
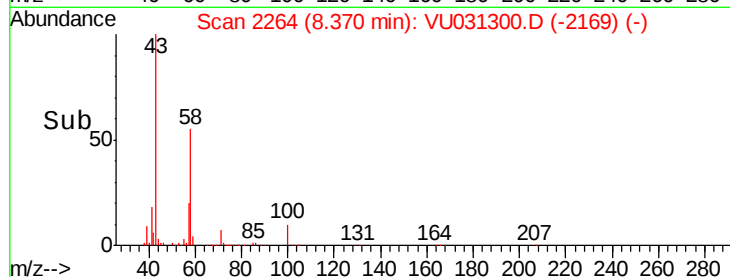
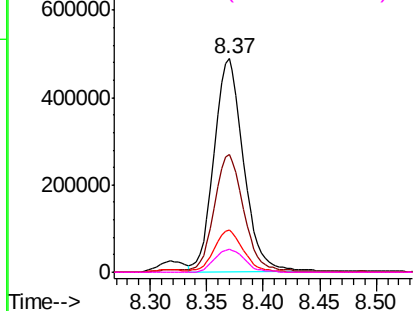
#48
2-Hexanone
Concen: 101.231 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031300.D
Acq: 18 Apr 2019 11:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion:	43	Resp:	883249
Ion	Ratio	Lower	Upper
43	100		
58	55.7	45.0	67.6
57	19.2	15.5	23.3
100	11.0	8.7	13.1

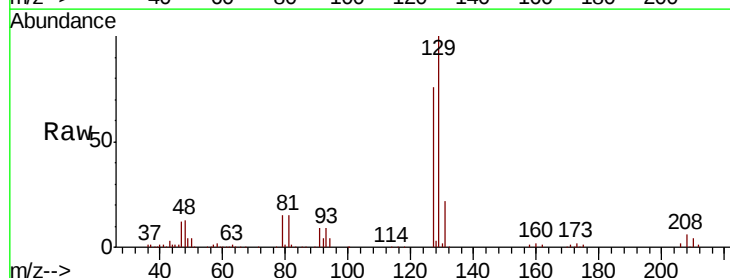


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

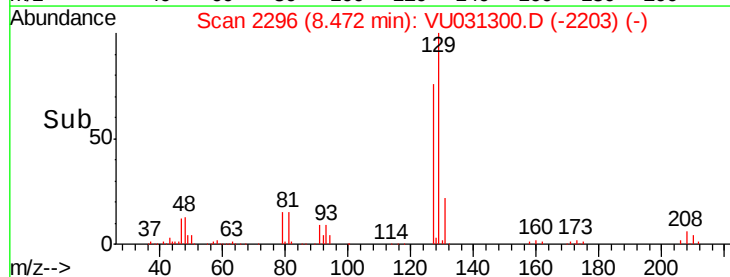
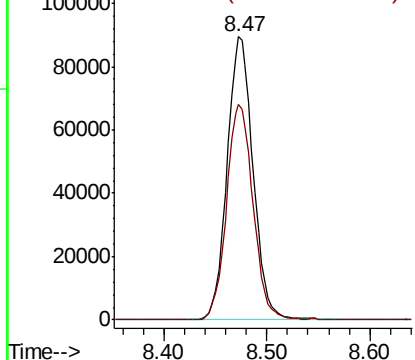


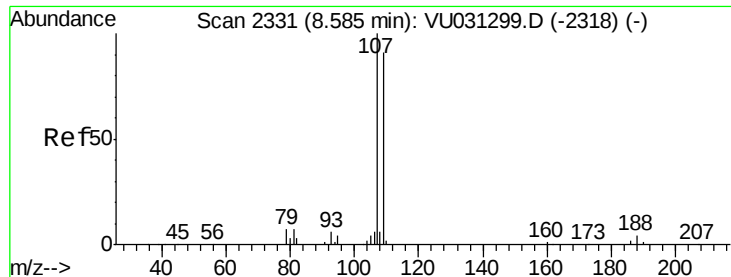
#49
Dibromochloromethane
Concen: 9.634 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031300.D
Acq: 18 Apr 2019 11:47

Tgt Ion:	129	Resp:	157242
Ion	Ratio	Lower	Upper
129	100		
127	76.1	53.3	99.1



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





#50

1,2-Dibromoethane

Concen: 9.753 ug/L

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

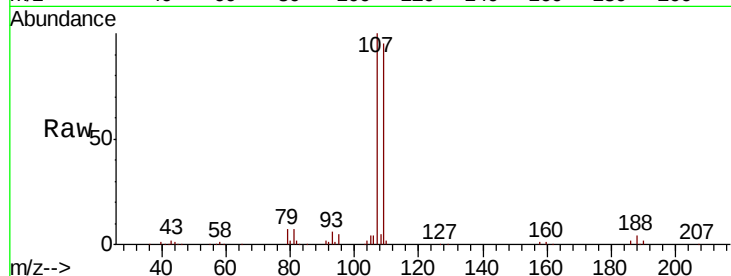
Tgt Ion:107 Resp: 126009

Ion Ratio Lower Upper

107 100

109 95.0 63.6 118.2

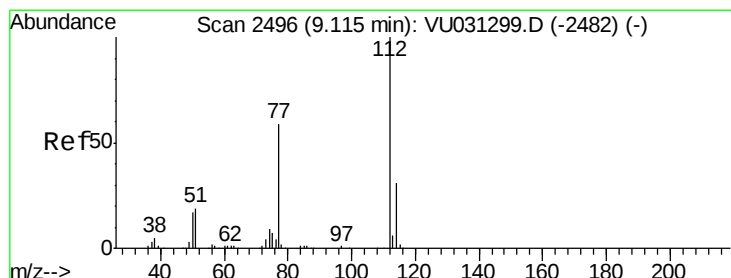
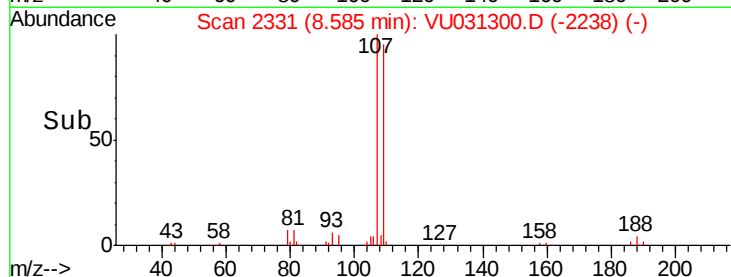
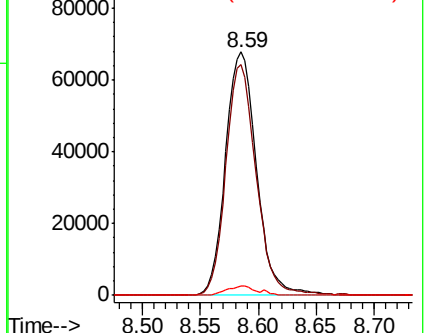
188 3.9 2.9 4.3



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: 9.565 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

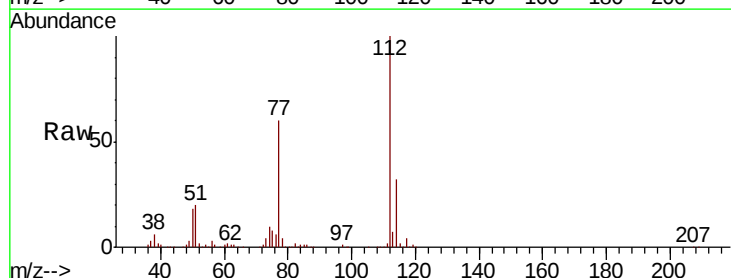
Tgt Ion:112 Resp: 438529

Ion Ratio Lower Upper

112 100

114 31.8 21.6 40.2

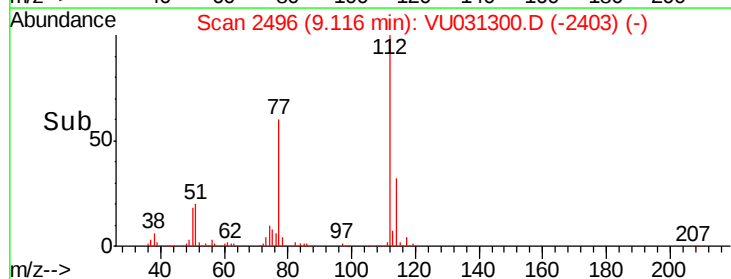
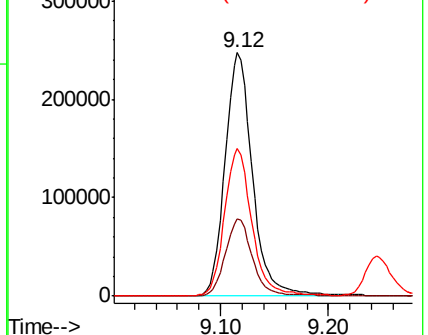
77 60.5 47.1 70.7

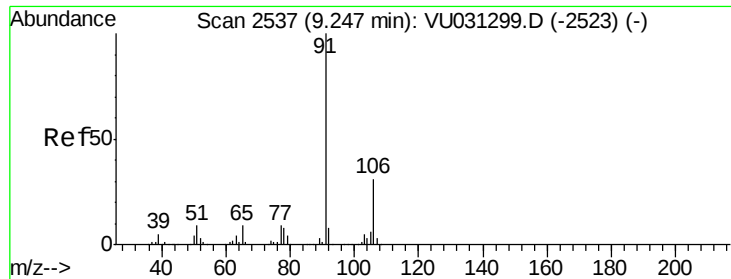


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 10.060 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

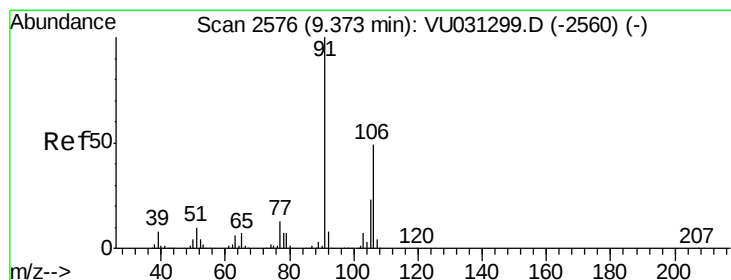
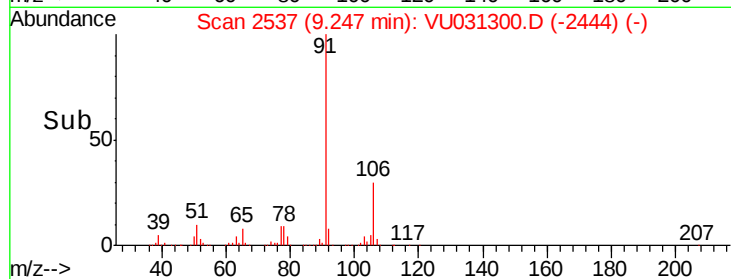
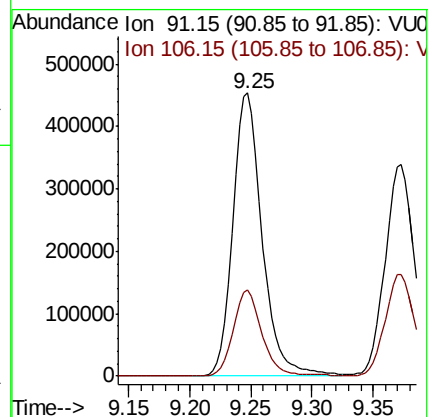
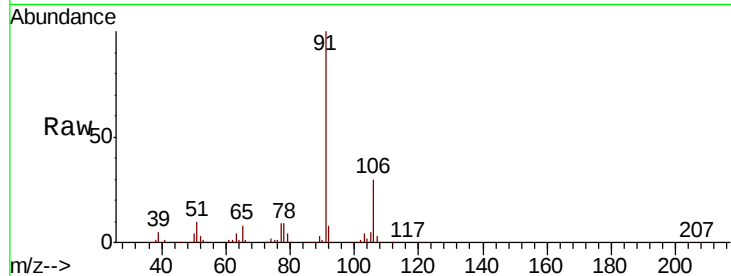
VSTD01006

Tgt Ion: 91 Resp: 760885

Ion Ratio Lower Upper

91 100

106 30.3 21.8 40.4



#53

m,p-Xylene

Concen: 10.385 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031300.D

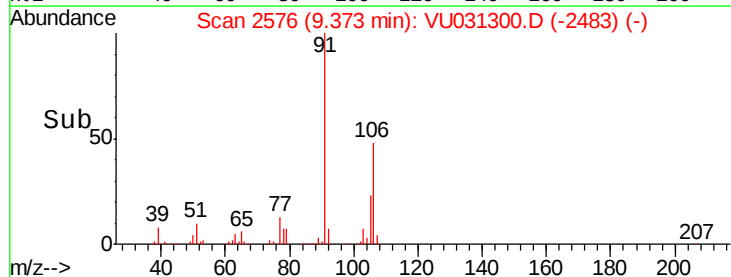
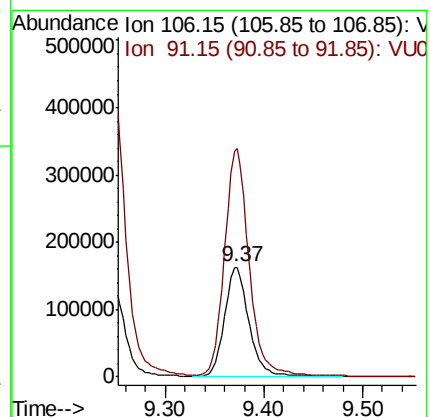
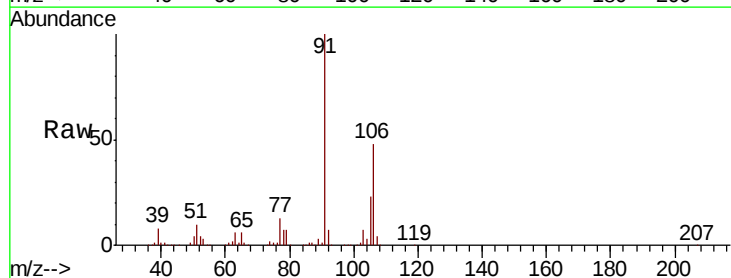
Acq: 18 Apr 2019 11:47

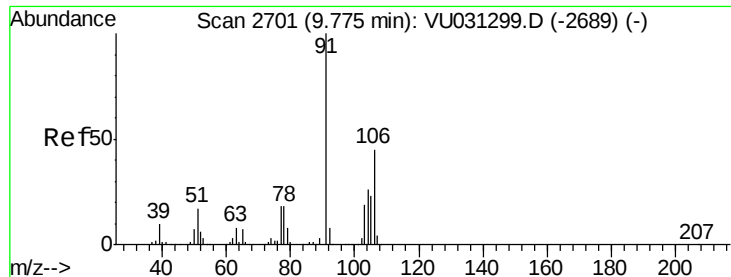
Tgt Ion: 106 Resp: 282196

Ion Ratio Lower Upper

106 100

91 208.6 144.2 267.8

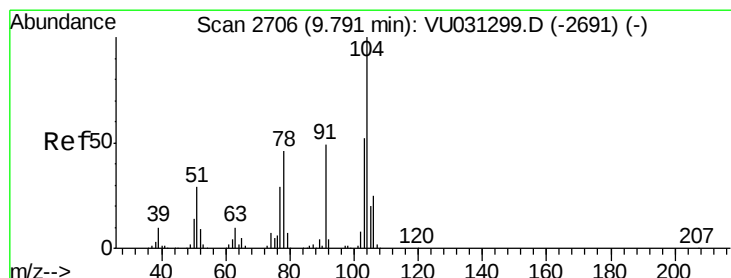
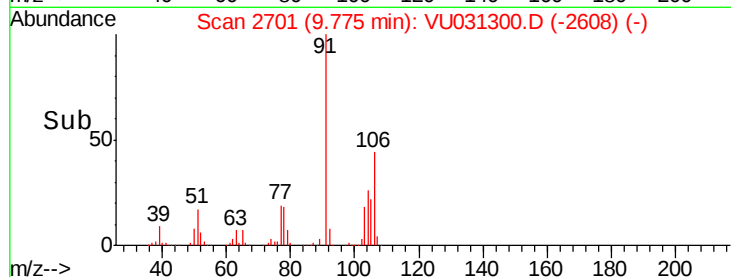
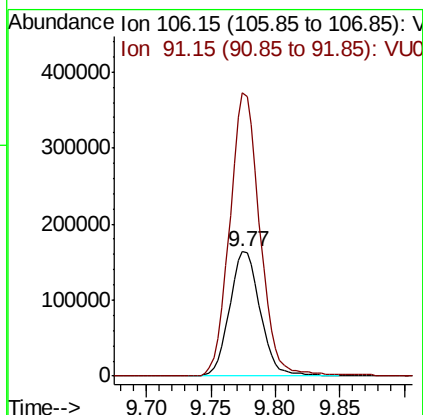
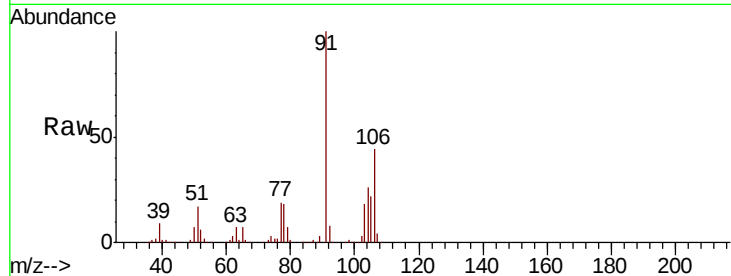




#54
o-Xylene
Concen: 10.136 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031300.D
Acq: 18 Apr 2019 11:47

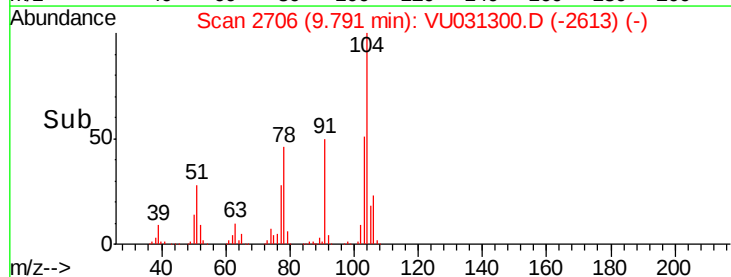
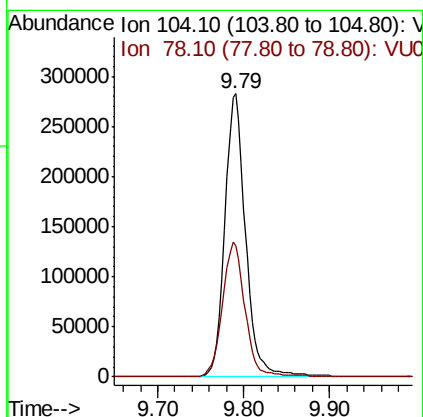
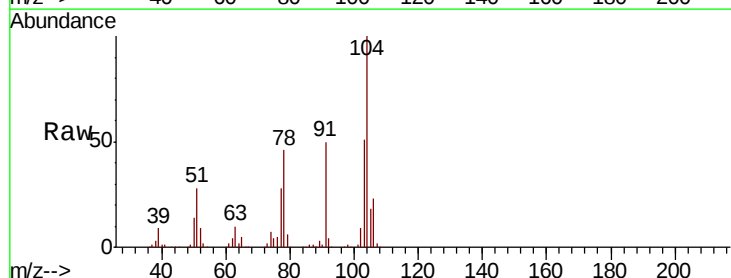
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

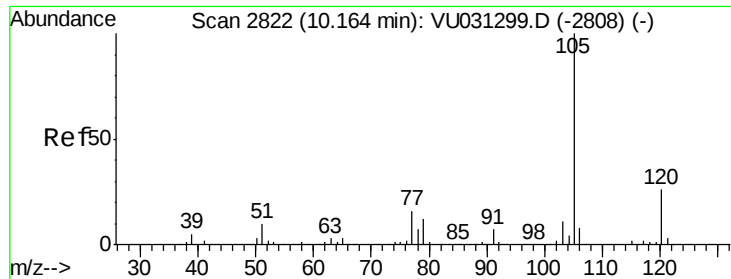
Tgt Ion:106 Resp: 271428
Ion Ratio Lower Upper
106 100
91 227.2 156.2 290.0



#55
Styrene
Concen: 10.697 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031300.D
Acq: 18 Apr 2019 11:47

Tgt Ion:104 Resp: 475782
Ion Ratio Lower Upper
104 100
78 46.5 32.0 59.4





#56

Isopropylbenzene

Concen: 10.361 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

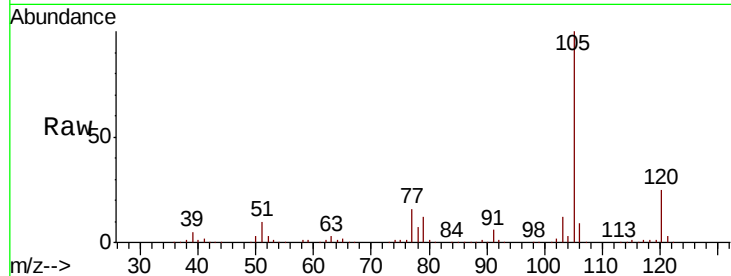
Tgt Ion: 105 Resp: 728432

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

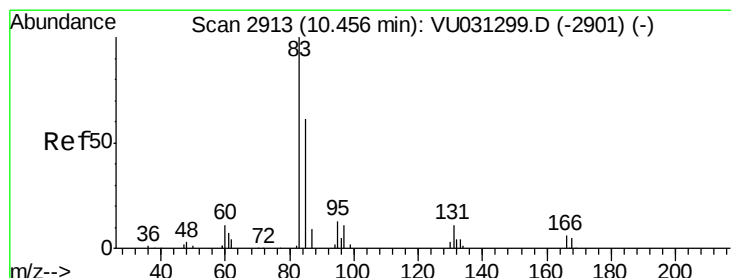
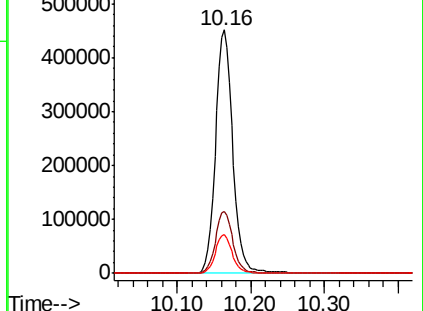
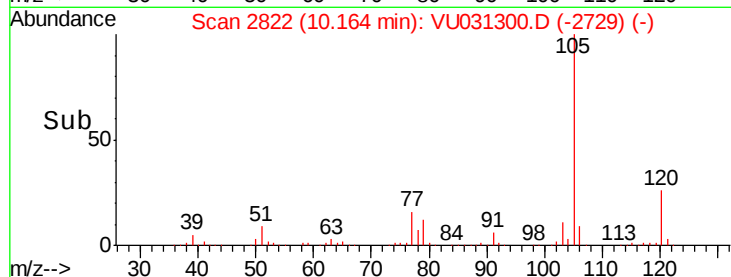
77 15.8 12.9 19.3



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: 9.530 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

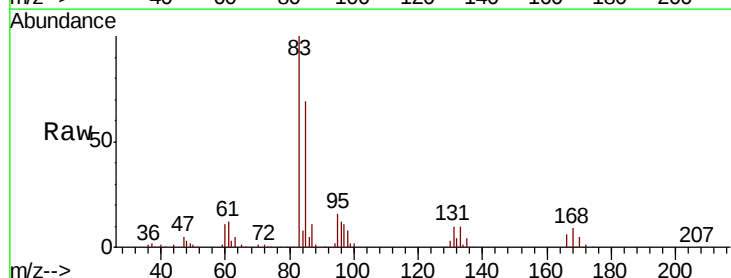
Tgt Ion: 83 Resp: 166171

Ion Ratio Lower Upper

83 100

85 68.8 43.1 80.1

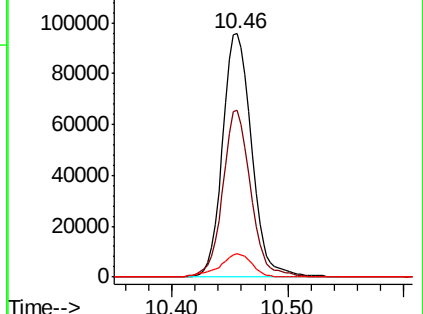
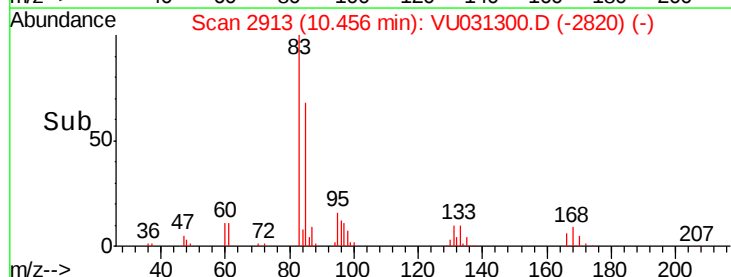
131 9.8 9.4 14.2

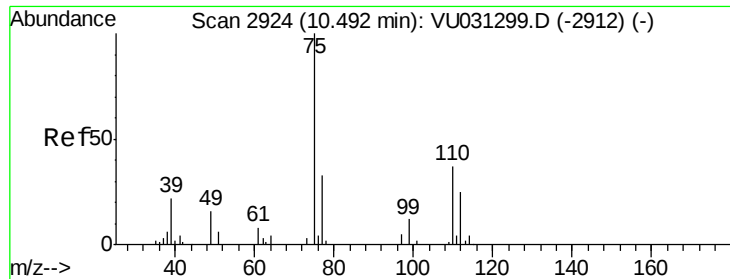


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

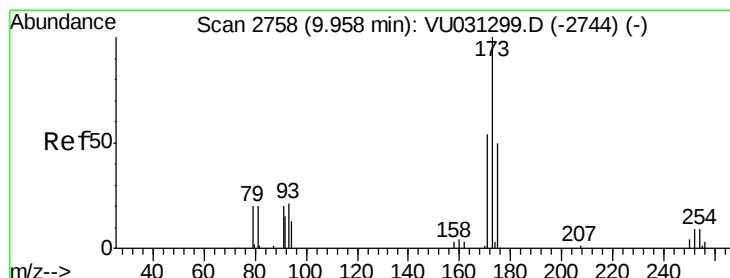
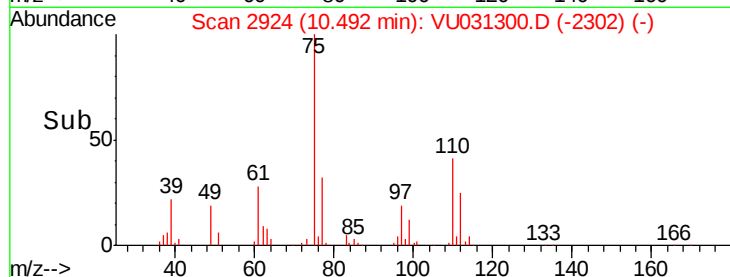
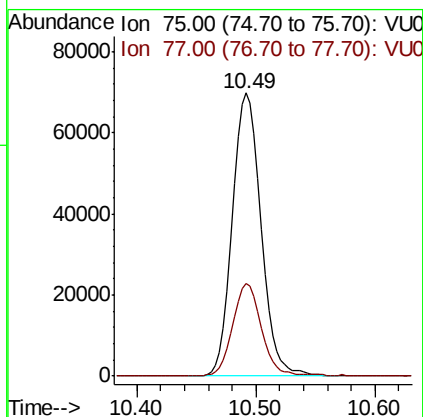
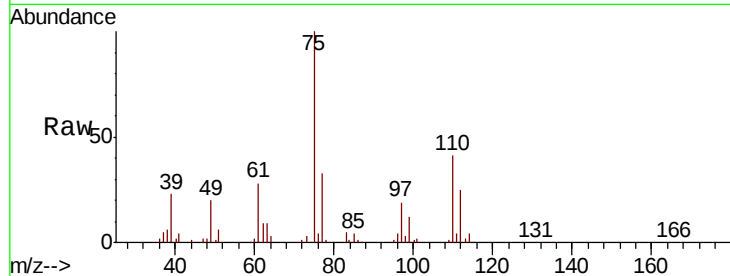




#59
 1,2,3-Trichloropropane
 Concen: 9.361 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

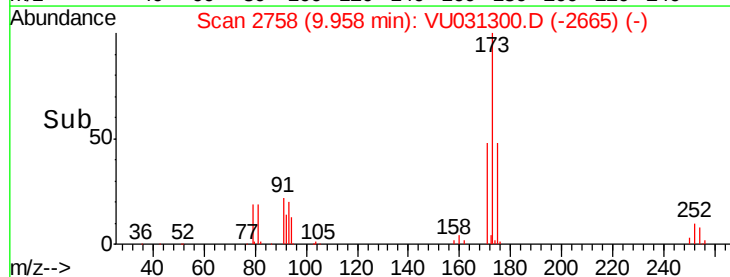
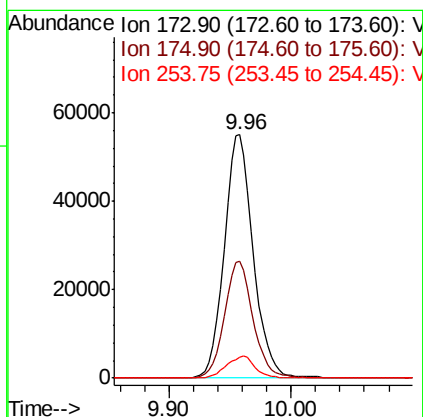
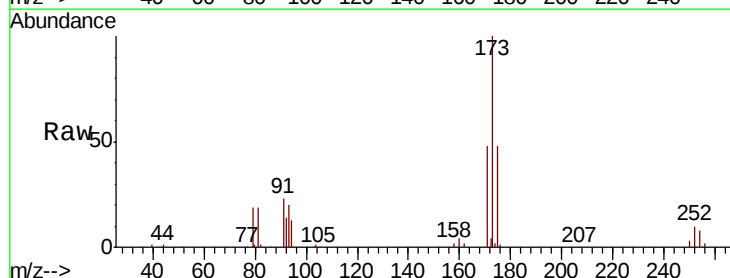
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

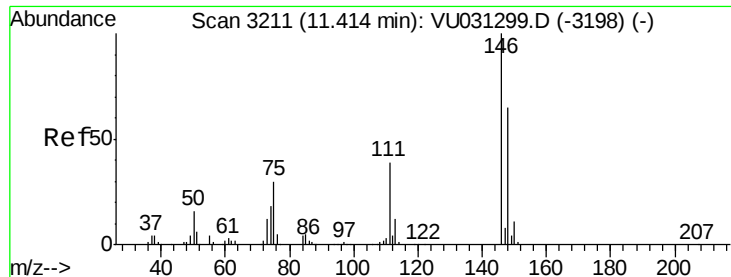
Tgt Ion: 75 Resp: 116962
 Ion Ratio Lower Upper
 75 100
 77 32.9 27.0 40.6



#61
 Bromoform
 Concen: 9.328 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Tgt Ion: 173 Resp: 91297
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.2 58.8
 254 8.9 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 9.651 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

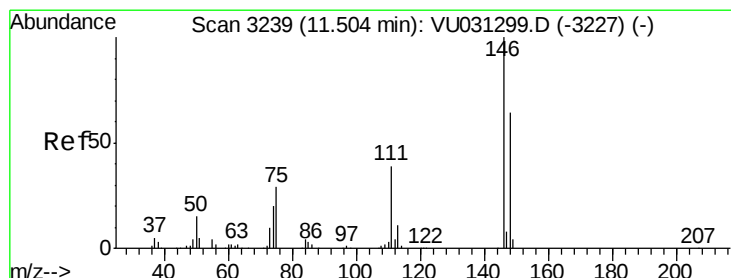
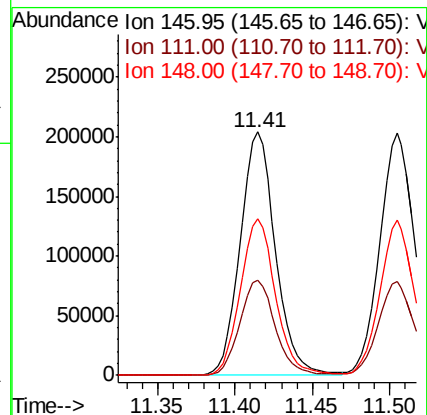
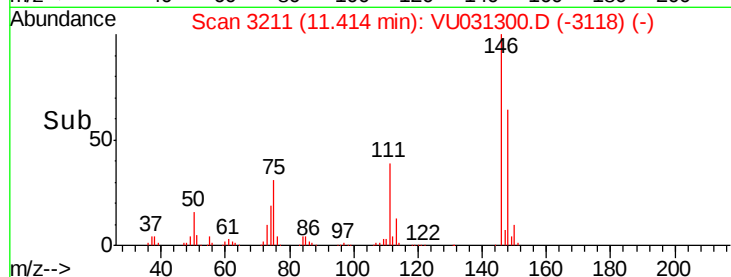
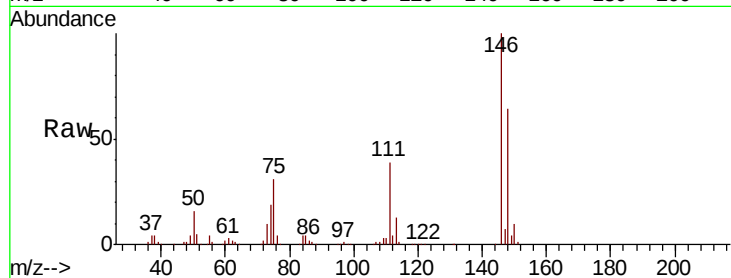
Tgt Ion:146 Resp: 323140

Ion Ratio Lower Upper

146 100

111 39.0 27.6 51.2

148 64.1 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 9.665 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

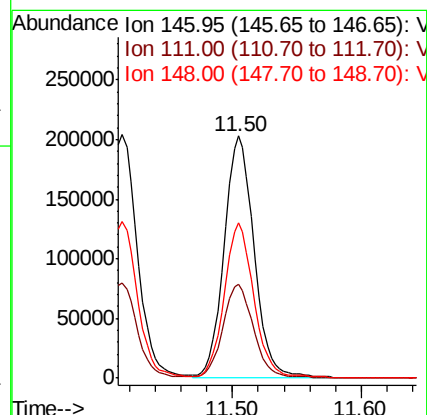
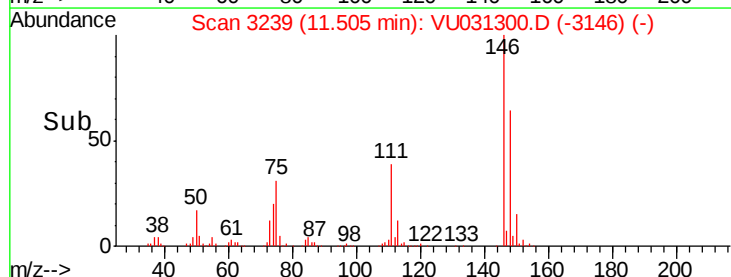
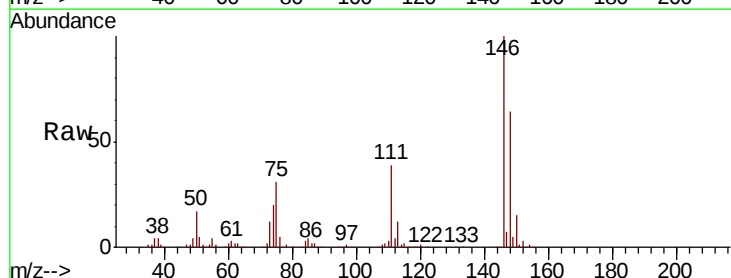
Tgt Ion:146 Resp: 326048

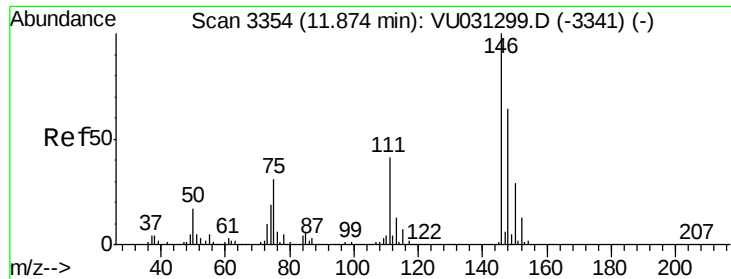
Ion Ratio Lower Upper

146 100

111 38.7 27.6 51.2

148 64.1 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 9.646 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

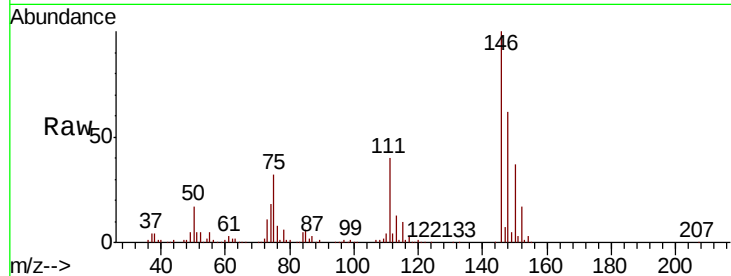
Tgt Ion:146 Resp: 328739

Ion Ratio Lower Upper

146 100

111 40.3 33.0 49.6

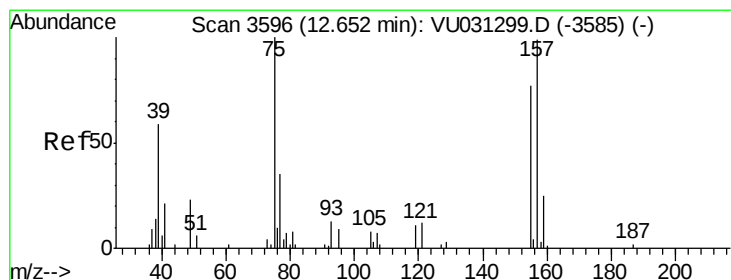
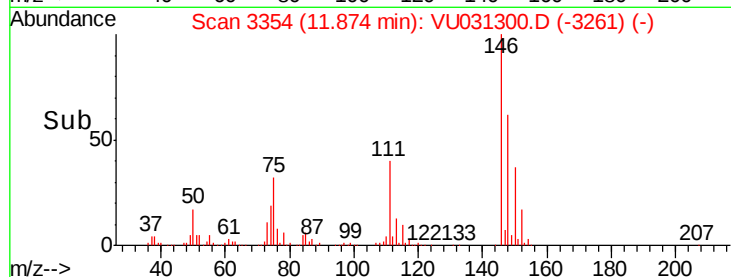
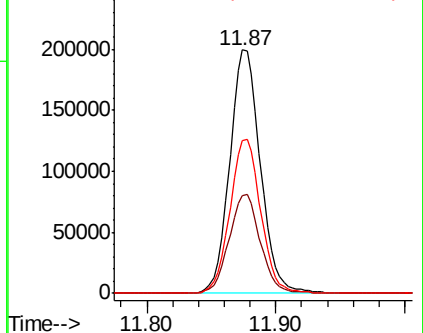
148 62.5 51.4 77.2



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: 9.293 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

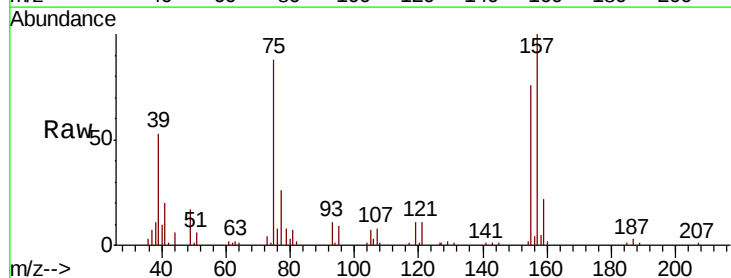
Tgt Ion: 75 Resp: 25779

Ion Ratio Lower Upper

75 100

155 86.8 61.8 92.6

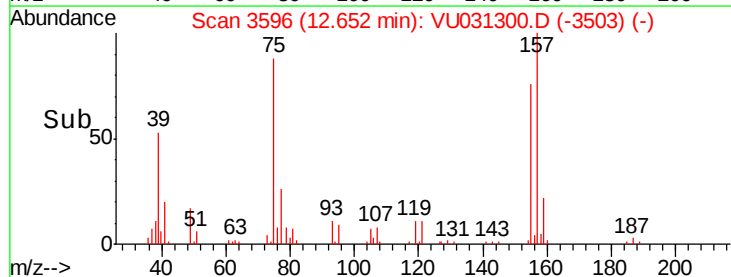
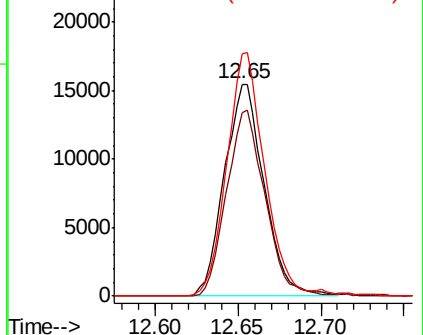
157 114.2 79.4 119.0

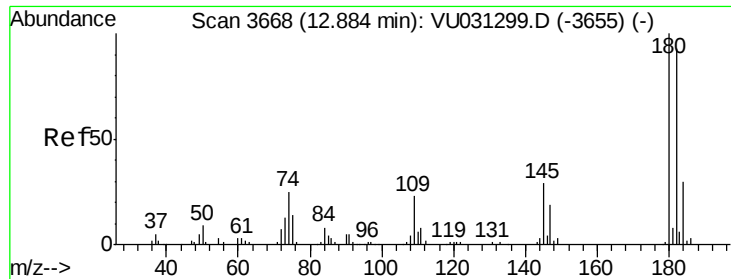


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

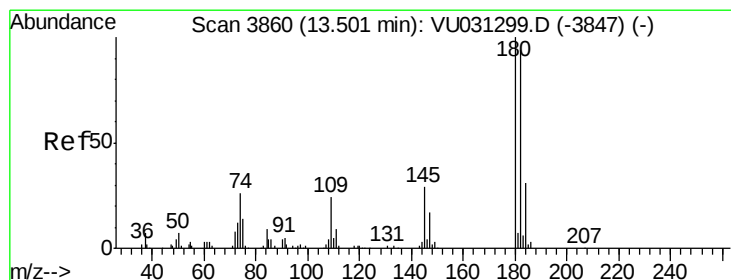
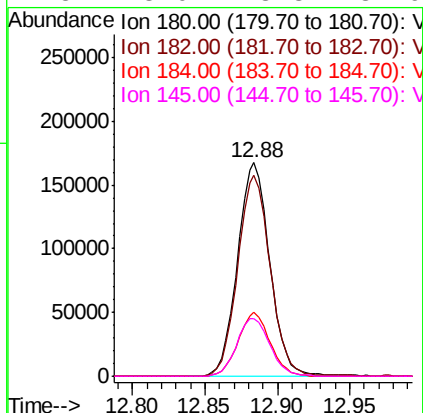
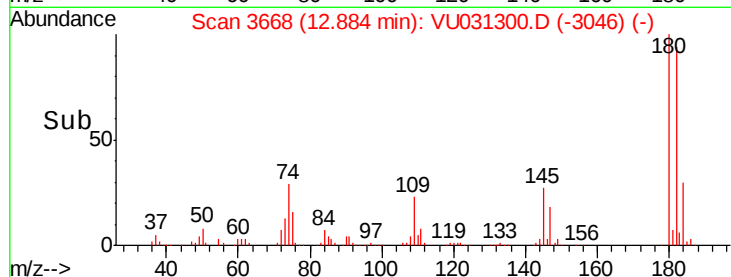
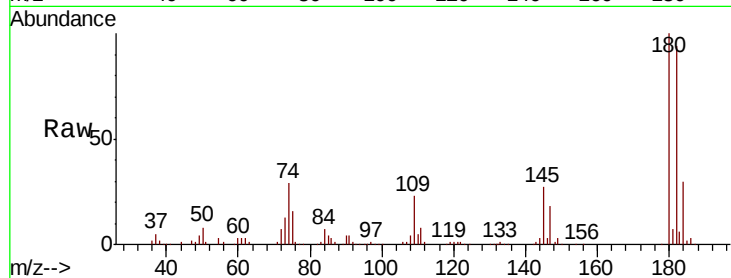




#67
 1,3,5-Trichlorobenzene
 Concen: 9.400 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

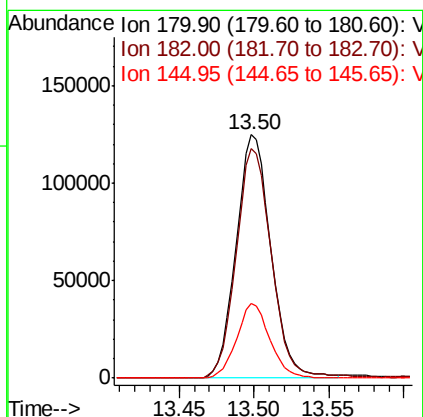
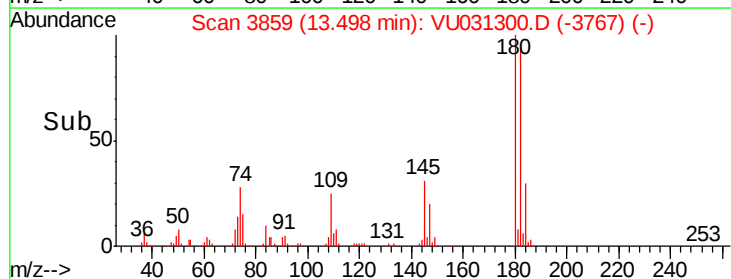
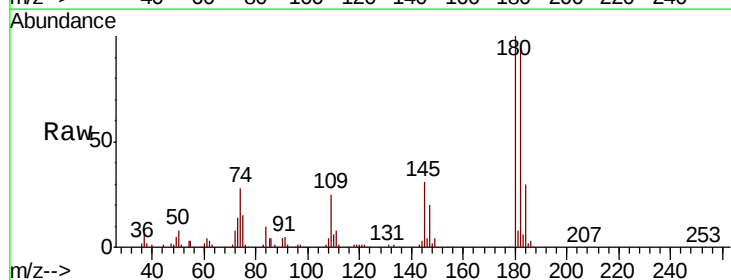
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

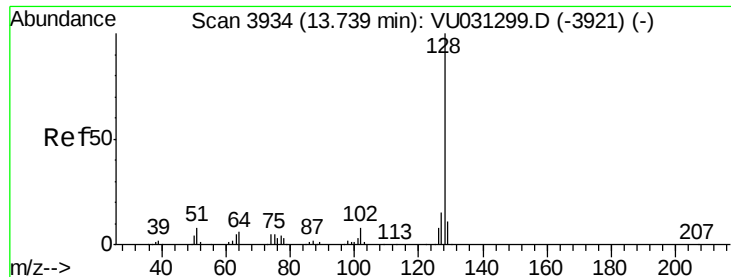
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.6
184	29.7	23.9	35.9
145	28.0	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 10.197 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031300.D
 Acq: 18 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.2	112.8
145	29.2	22.7	34.1





#69

Naphthalene

Concen: 10.762 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

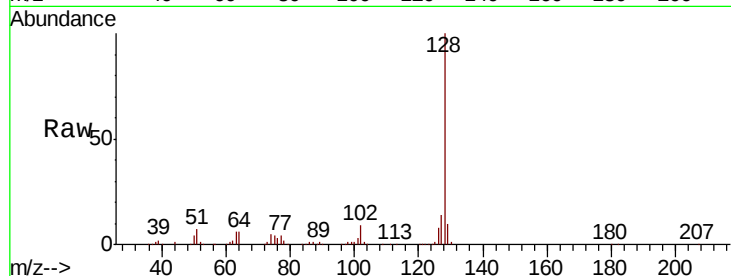
Tgt Ion:128 Resp: 372611

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

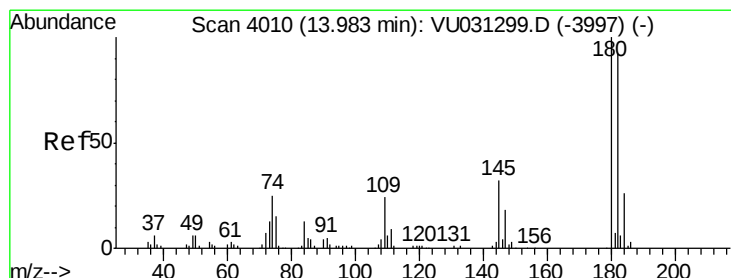
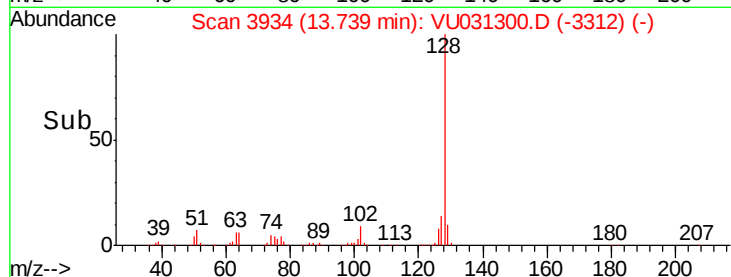
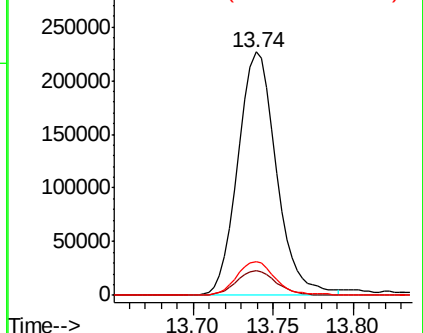
127 14.2 10.8 16.2



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: 9.973 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031300.D

Acq: 18 Apr 2019 11:47

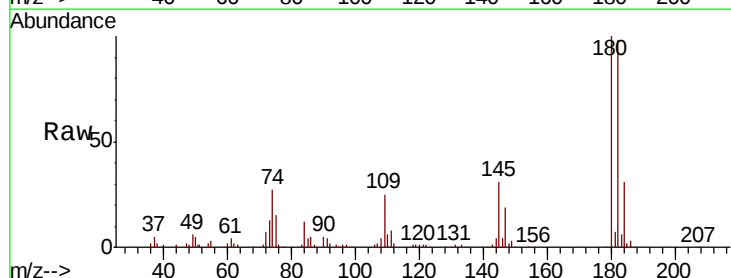
Tgt Ion:180 Resp: 204888

Ion Ratio Lower Upper

180 100

182 98.2 74.3 111.5

145 31.6 25.3 37.9



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

