

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031298.D
 Acq On : 18 Apr 2019 10:58
 Operator : JC/SP
 Sample : VSTD00104
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Quant Time: Apr 19 04:03:21 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	213139	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	202853	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87212	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	22277	0.93	ug/L	0.00
7) Chloroethane-d5	1.68	69	18011	0.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	43317	0.92	ug/L	0.00
20) 2-Butanone-d5	4.22	46	42545	9.25	ug/L	0.00
24) Chloroform-d	4.64	84	28687	0.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	15702	0.97	ug/L	0.00
32) Benzene-d6	5.34	84	51963	0.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	16715	0.94	ug/L	0.00
41) Toluene-d8	7.56	98	43813	0.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	5990	0.84	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	26680	8.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14170	0.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	15983	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	21912	0.894 ug/L	100
3) Chloromethane	1.32	50	33818	1.019 ug/L	99
5) Vinyl chloride	1.40	62	33953	1.005 ug/L	98
6) Bromomethane	1.63	94	18595	0.993 ug/L	96
8) Chloroethane	1.70	64	18730	0.972 ug/L	97
9) Trichlorofluoromethane	1.88	101	42159	0.992 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	22872	0.996 ug/L	98
12) 1,1-Dichloroethene	2.28	96	21711	0.949 ug/L	89
13) Acetone	2.36	43	55763	10.911 ug/L	97
14) Carbon disulfide	2.47	76	73801	0.966 ug/L	98
15) Methyl Acetate	2.63	43	15576	1.115 ug/L	96
16) Methylene chloride	2.70	84	27078	0.975 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	59482	0.971 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	23725	0.983 ug/L	90
19) 1,1-Dichloroethane	3.43	63	32552	0.967 ug/L	95
21) 2-Butanone	4.30	43	46776	8.860 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	18703	1.002 ug/L	80
23) Bromochloromethane	4.55	128	8117	0.976 ug/L	92
25) Chloroform	4.67	83	32155	0.969 ug/L	97
27) 1,2-Dichloroethane	5.41	62	21982	1.028 ug/L #	95
29) 1,1,1-Trichloroethane	4.91	97	26770	0.977 ug/L	96
30) Cyclohexane	4.98	56	25704	0.921 ug/L #	92
31) Carbon tetrachloride	5.13	117	24139	0.987 ug/L	91
33) Benzene	5.38	78	66334	0.963 ug/L	100
34) Trichloroethene	6.18	95	18122	0.974 ug/L	96
35) Methylcyclohexane	6.41	83	24571	0.959 ug/L	96
37) 1,2-Dichloropropane	6.43	63	18342	1.011 ug/L	99
38) Bromodichloromethane	6.76	83	21456	0.947 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	20295	0.845 ug/L	93
40) 4-Methyl-2-pentanone	7.47	43	109445	9.390 ug/L	97

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 VSTD00104

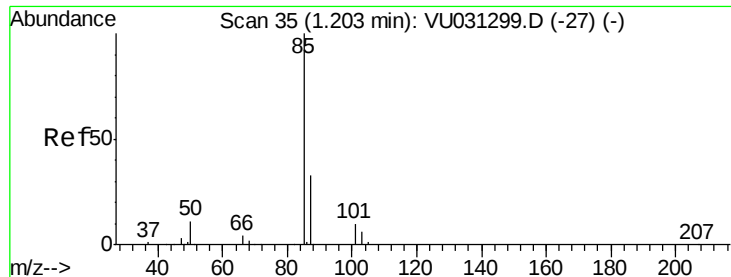
Quant Time: Apr 19 04:03:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 03:57:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.63	91	64307	0.926	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	17264	0.862	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	12407	0.959	ug/L	93
47) Tetrachloroethene	8.22	164	13336	0.962	ug/L	99
48) 2-Hexanone	8.37	43	73885	8.932	ug/L	93
49) Dibromochloromethane	8.48	129	14905	0.963	ug/L	92
50) 1,2-Dibromoethane	8.59	107	12603	1.029	ug/L #	87
51) Chlorobenzene	9.12	112	40407	0.930	ug/L	95
52) Ethylbenzene	9.25	91	63533	0.886	ug/L	99
53) m,p-Xylene	9.37	106	20728	0.805	ug/L	85
54) o-Xylene	9.78	106	21460	0.845	ug/L	97
55) Styrene	9.79	104	34293	0.813	ug/L	98
56) Isopropylbenzene	10.16	105	56491	0.848	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	15692	0.949	ug/L	92
59) 1,2,3-Trichloropropane	10.49	75	11489	0.970	ug/L	95
61) Bromoform	9.95	173	9380	1.119	ug/L	93
62) 1,3-Dichlorobenzene	11.42	146	27844	0.971	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	27214	0.942	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	27478	0.941	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	2564	1.079	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	25285	1.073	ug/L	91
68) 1,2,4-trichlorobenzene	13.50	180	13857	0.816	ug/L	85
69) Naphthalene	13.75	128	23491	0.792	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.99	180	14876	0.845	ug/L	98

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

```
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```



#2

Dichlorodifluoromethane

Concen: 0.894 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

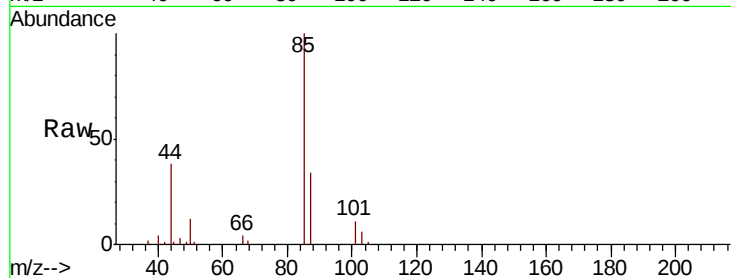
VSTD00104

Tgt Ion: 85 Resp: 21912

Ion Ratio Lower Upper

85 100

87 33.5 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

25000

20000

15000

10000

5000

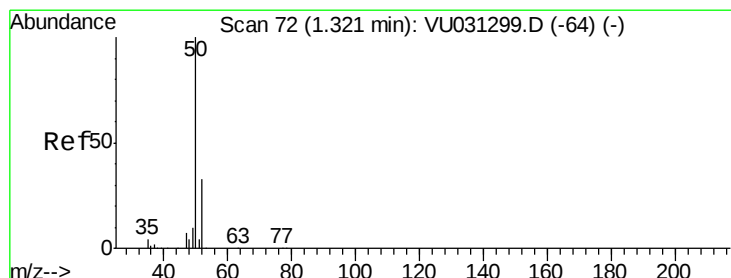
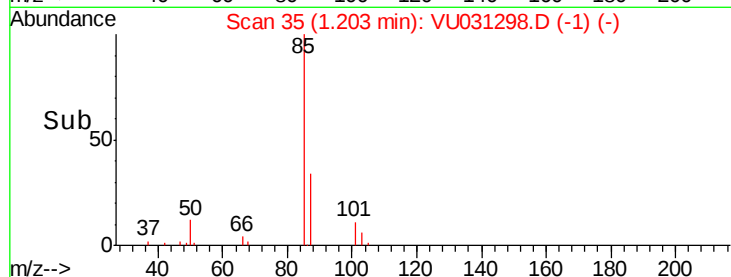
0

Time-->

1.15

1.20

1.25



#3

Chloromethane

Concen: 1.019 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031298.D

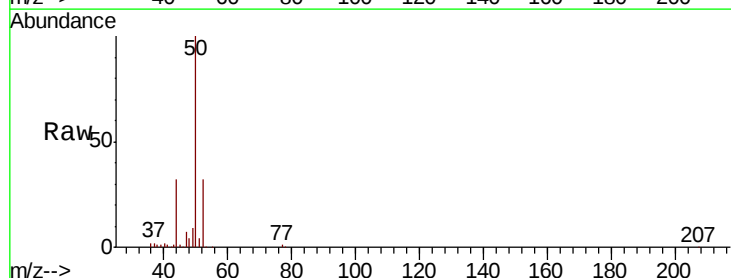
Acq: 18 Apr 2019 10:58

Tgt Ion: 50 Resp: 33818

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

40000

30000

20000

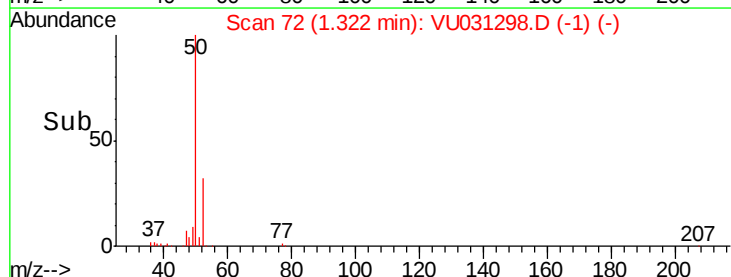
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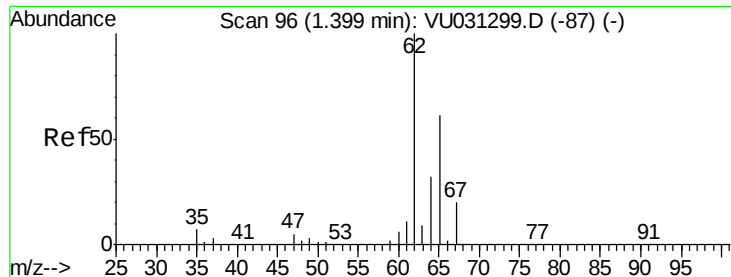
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Time-->

1.30

1.35





#5

Vinyl chloride

Concen: 1.005 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

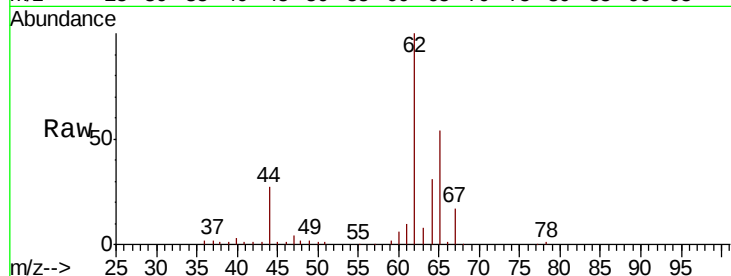
VSTD00104

Tgt Ion: 62 Resp: 33953

Ion Ratio Lower Upper

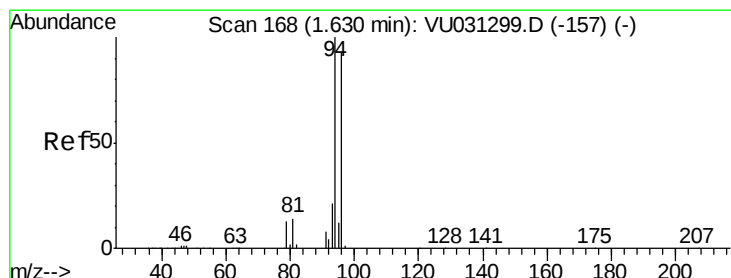
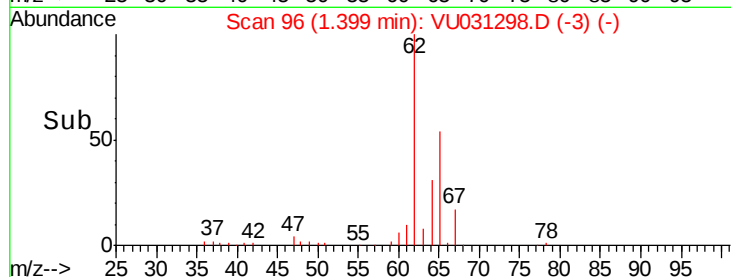
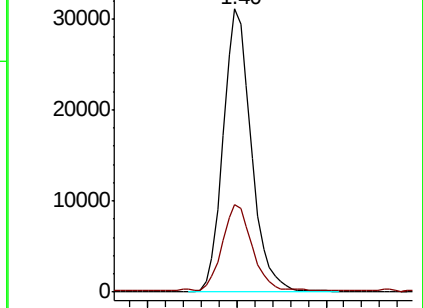
62 100

64 30.8 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) (-)



#6

Bromomethane

Concen: 0.993 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031298.D

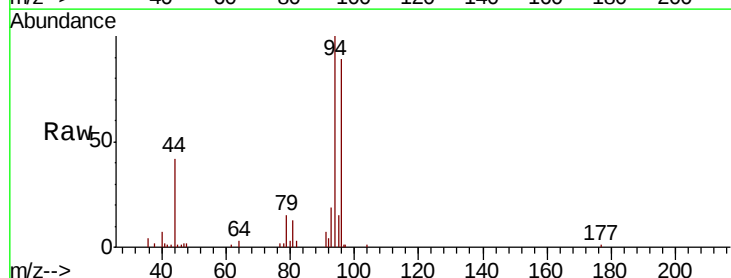
Acq: 18 Apr 2019 10:58

Tgt Ion: 94 Resp: 18595

Ion Ratio Lower Upper

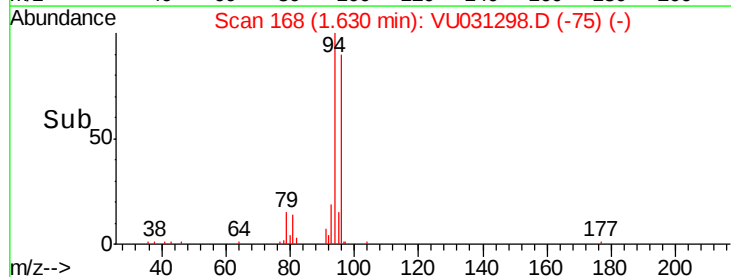
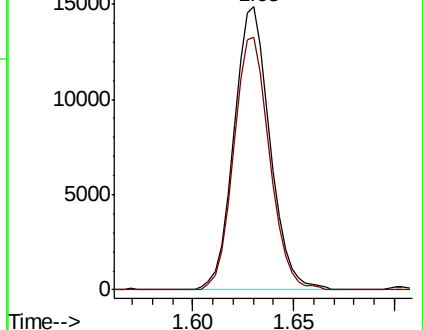
94 100

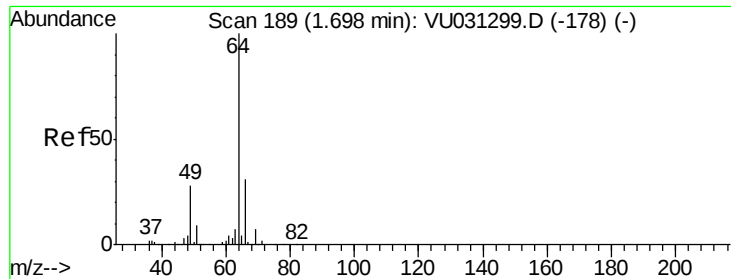
96 89.1 65.1 120.9



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

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





#8

Chloroethane

Concen: 0.972 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

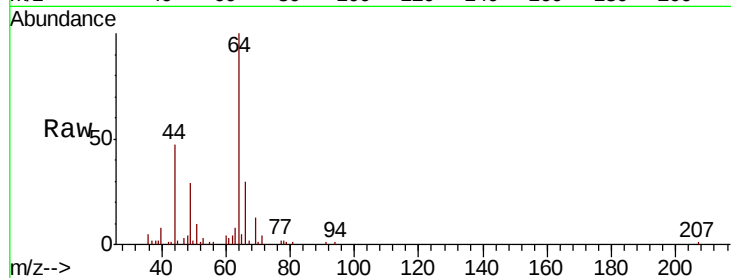
VSTD00104

Tgt Ion: 64 Resp: 18730

Ion Ratio Lower Upper

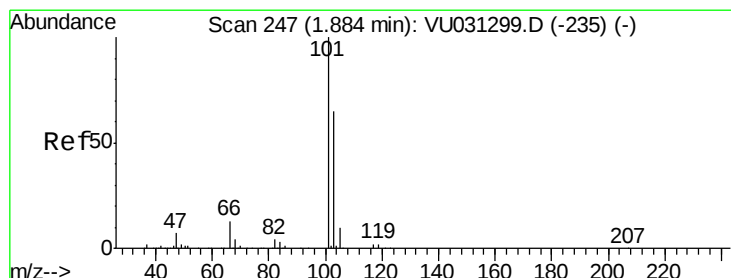
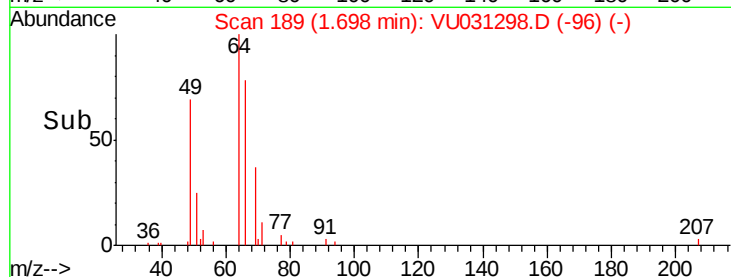
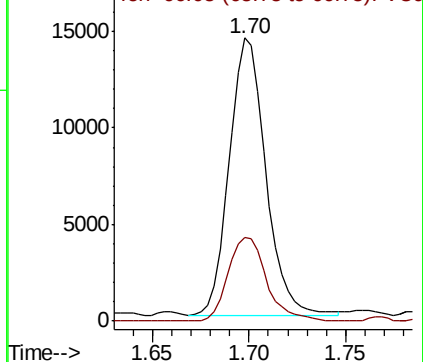
64 100

66 29.5 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) (-)



#9

Trichlorofluoromethane

Concen: 0.992 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031298.D

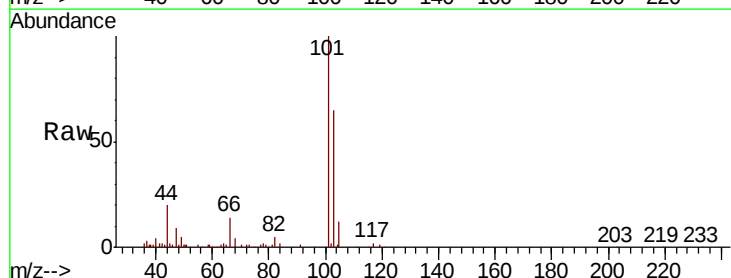
Acq: 18 Apr 2019 10:58

Tgt Ion: 101 Resp: 42159

Ion Ratio Lower Upper

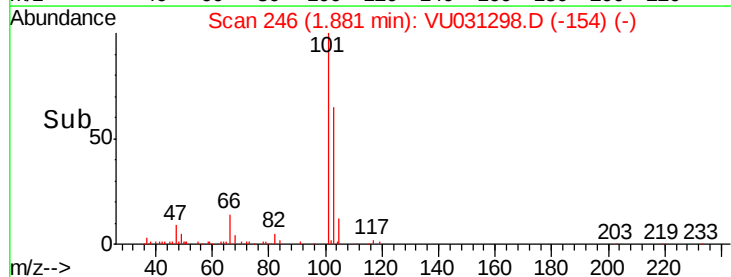
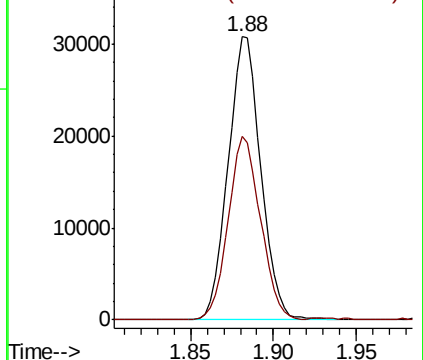
101 100

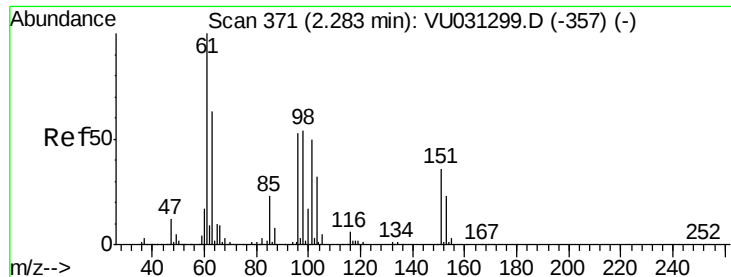
103 64.1 52.3 78.5



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

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





#10

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

Concen: 0.996 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

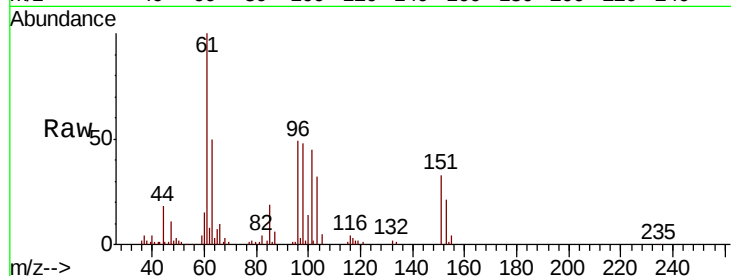
Tgt Ion:101 Resp: 22872

Ion Ratio Lower Upper

101 100

85 45.3 37.2 55.8

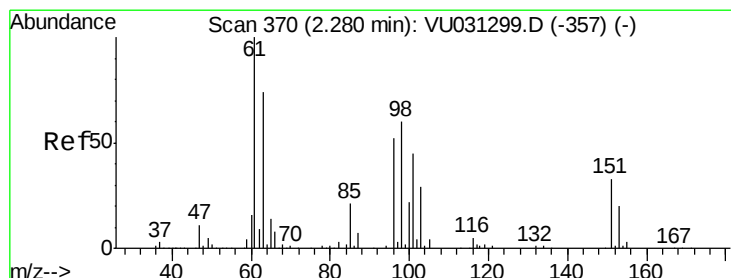
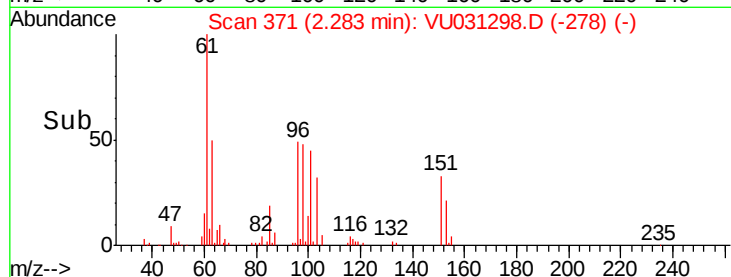
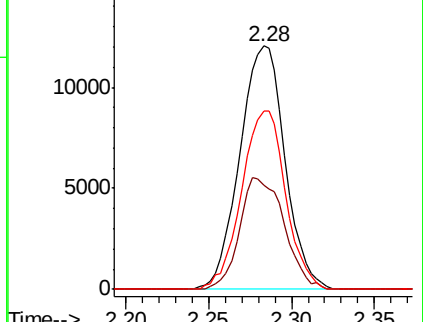
151 71.4 58.9 88.3



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



#12

1,1-Dichloroethene

Concen: 0.949 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

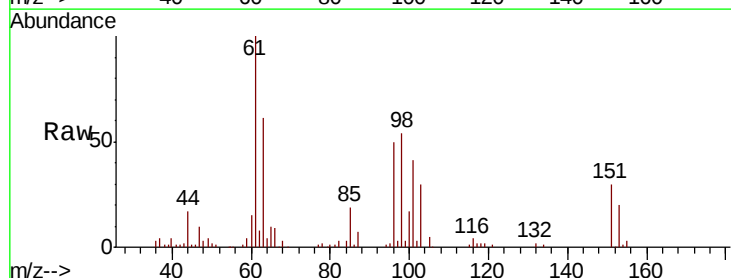
Tgt Ion: 96 Resp: 21711

Ion Ratio Lower Upper

96 100

61 199.8 133.7 248.3

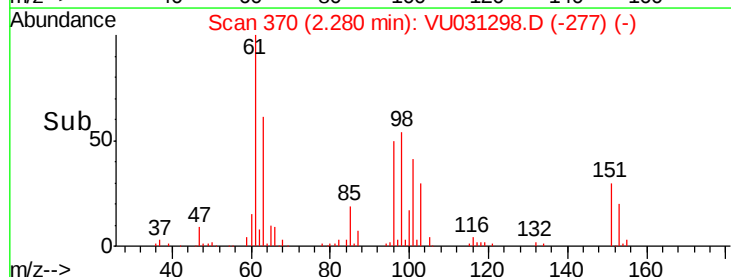
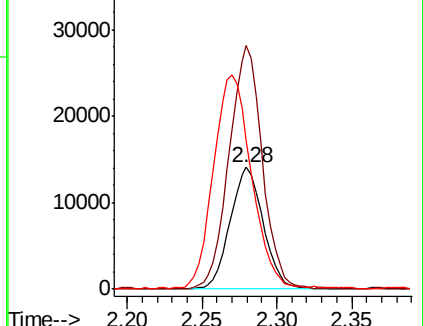
63 121.9 100.5 186.7

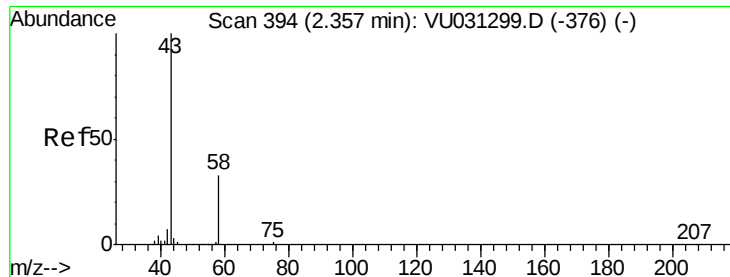


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.911 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

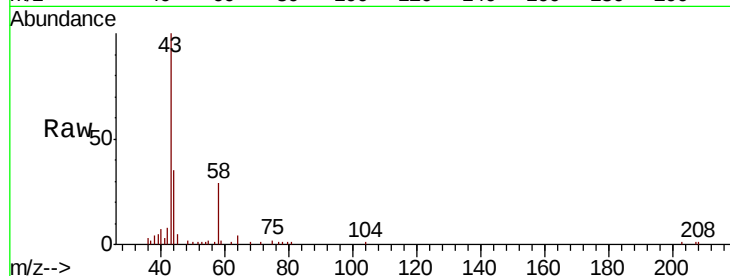
VSTD00104

Tgt Ion: 43 Resp: 55763

Ion Ratio Lower Upper

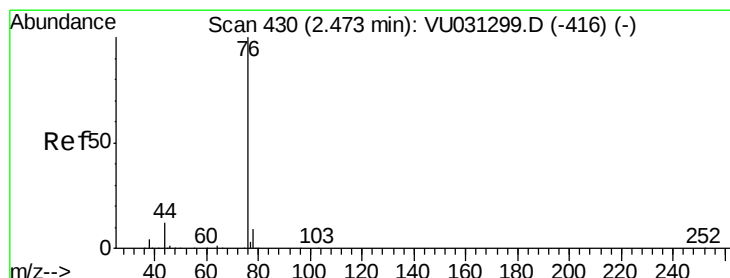
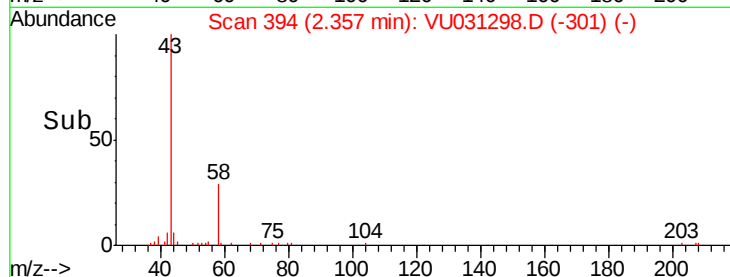
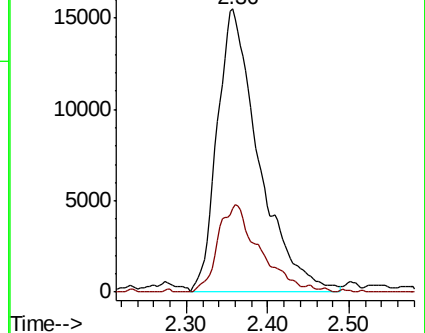
43 100

58 30.3 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) (-)



#14

Carbon disulfide

Concen: 0.966 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031298.D

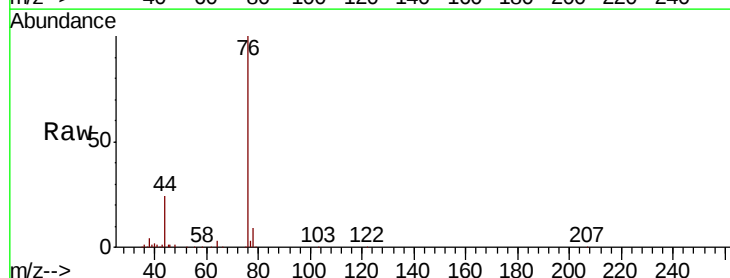
Acq: 18 Apr 2019 10:58

Tgt Ion: 76 Resp: 73801

Ion Ratio Lower Upper

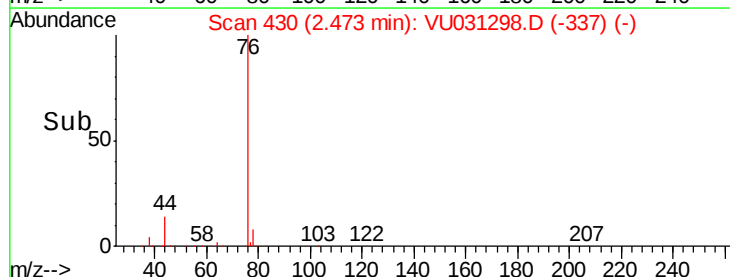
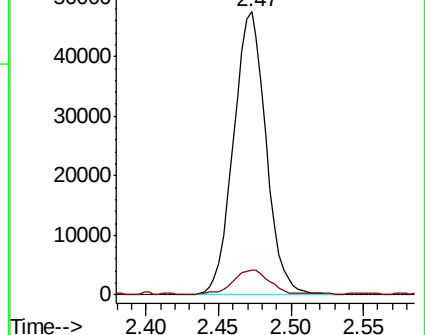
76 100

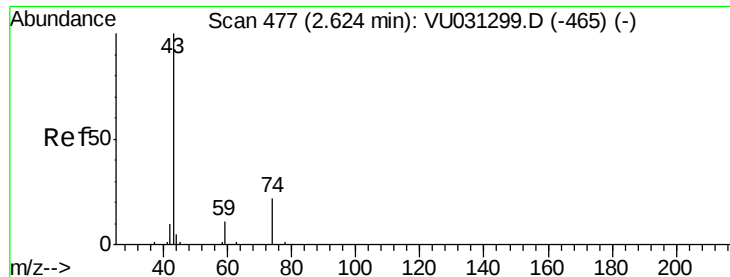
78 8.8 7.6 11.4



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

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

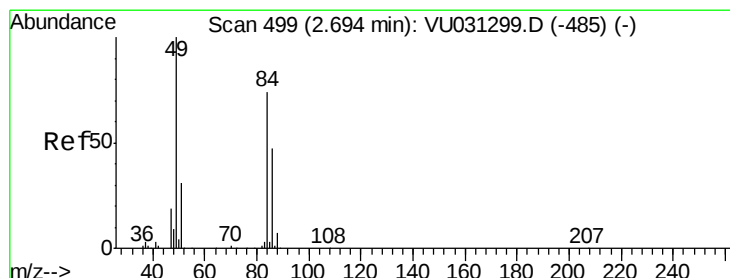
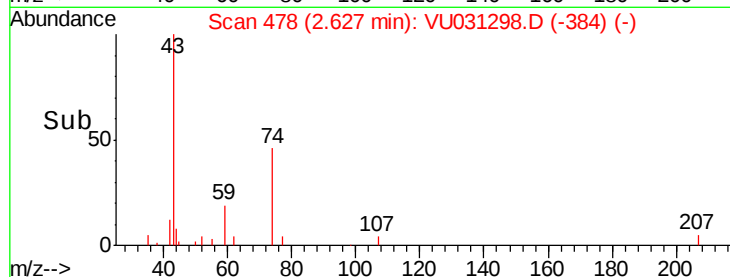
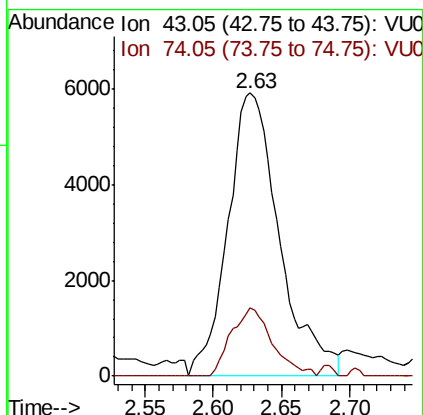
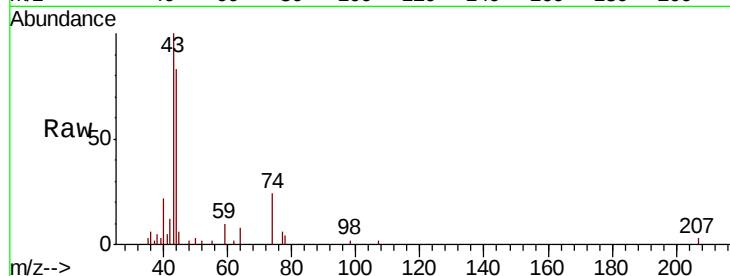




#15
Methyl Acetate
Concen: 1.115 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.00 min
Lab File: VU031298.D
Acq: 18 Apr 2019 10:58

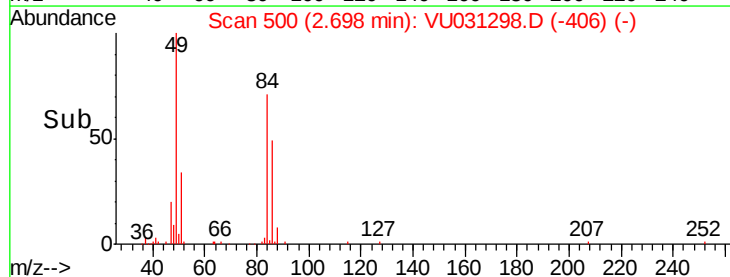
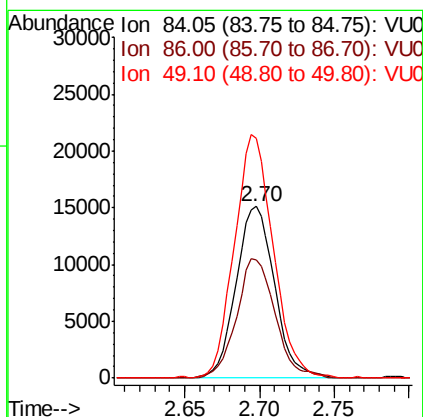
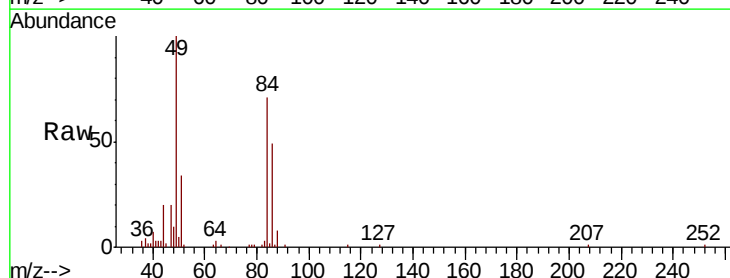
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

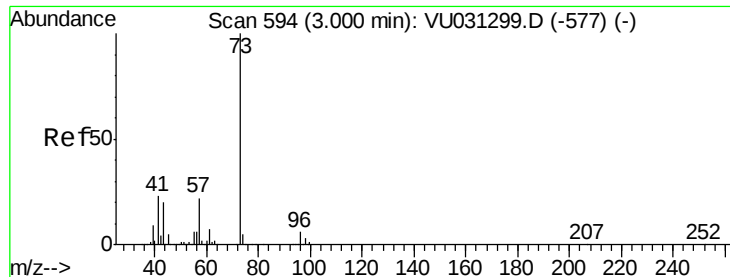
Tgt Ion: 43 Resp: 15576
Ion Ratio Lower Upper
43 100
74 19.1 16.7 25.1



#16
Methylene chloride
Concen: 0.975 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031298.D
Acq: 18 Apr 2019 10:58

Tgt Ion: 84 Resp: 27078
Ion Ratio Lower Upper
84 100
86 68.8 44.1 81.9
49 139.9 94.6 175.6

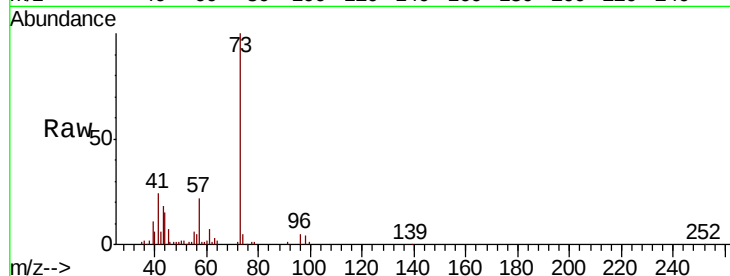




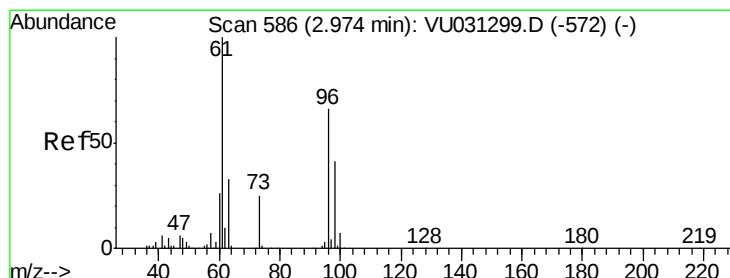
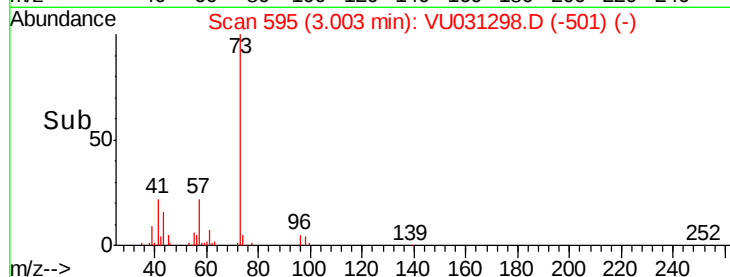
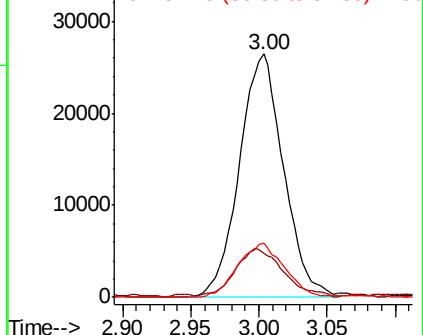
#17
Methyl tert-butyl Ether
Concen: 0.971 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU031298.D
Acq: 18 Apr 2019 10:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:	73	Resp:	59482
Ion	Ratio	Lower	Upper
73	100		
43	22.0	16.3	24.5
57	23.3	18.8	28.2

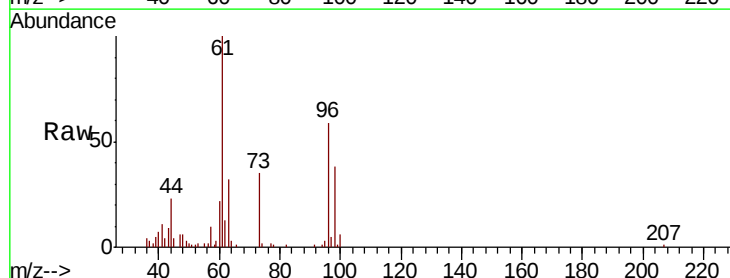


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

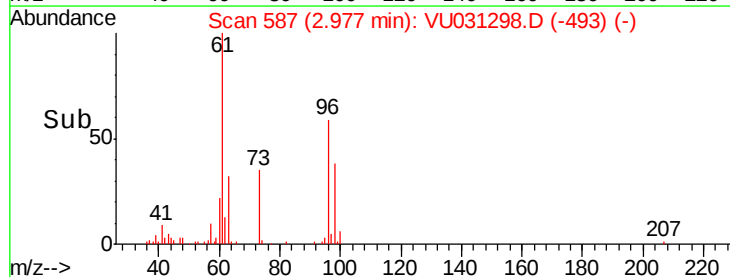
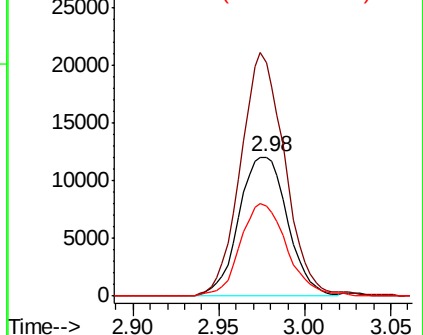


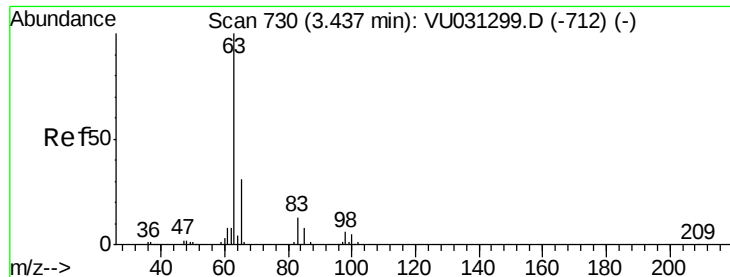
#18
trans-1,2-Dichloroethene
Concen: 0.983 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU031298.D
Acq: 18 Apr 2019 10:58

Tgt Ion:	96	Resp:	23725
Ion	Ratio	Lower	Upper
96	100		
61	168.5	106.5	197.7
98	64.8	43.5	80.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

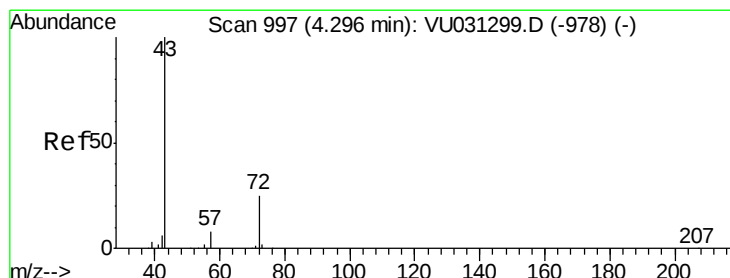
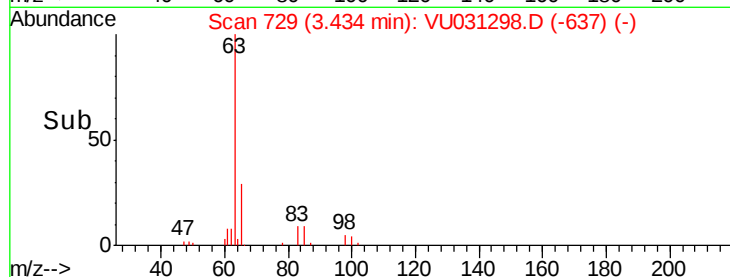
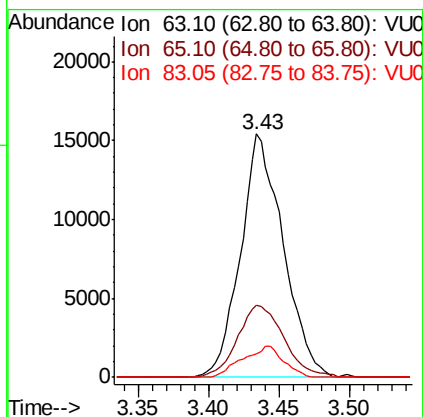
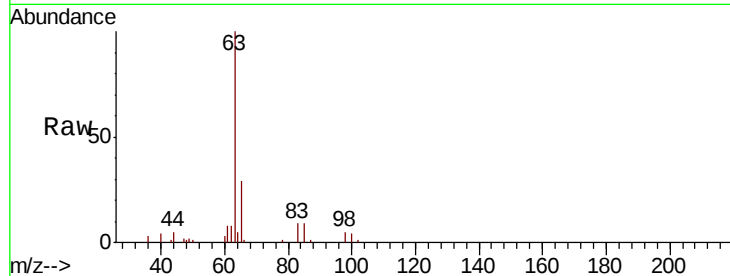




#19
 1,1-Dichloroethane
 Concen: 0.967 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

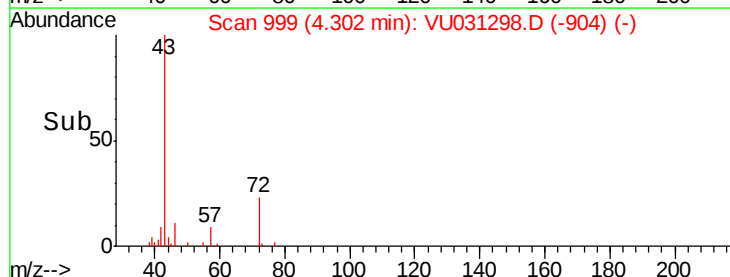
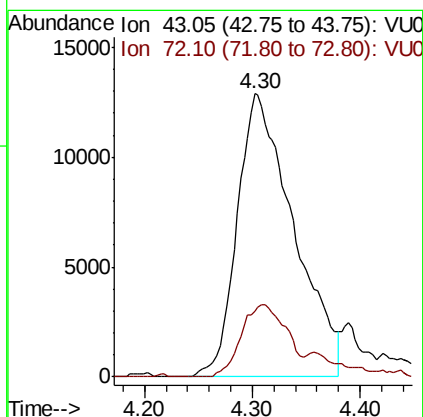
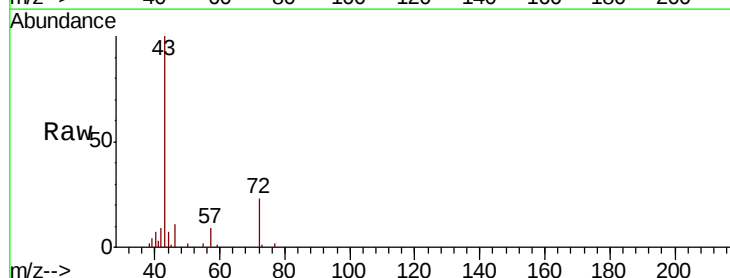
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

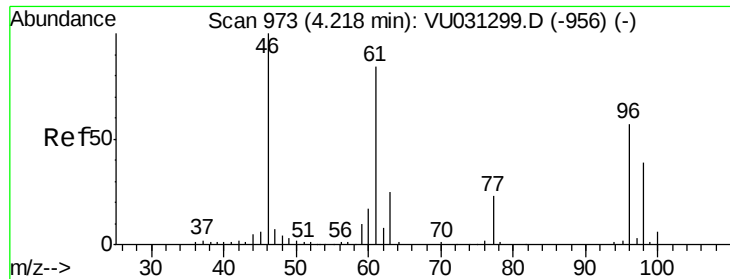
Tgt Ion: 63 Resp: 32552
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.0 41.0
 83 9.4 9.2 17.2



#21
 2-Butanone
 Concen: 8.860 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Tgt Ion: 43 Resp: 46776
 Ion Ratio Lower Upper
 43 100
 72 20.5 11.8 35.4



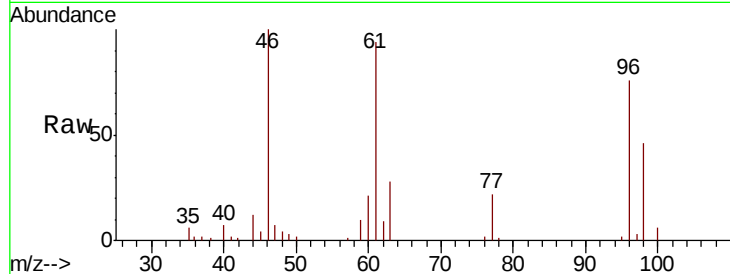


#22

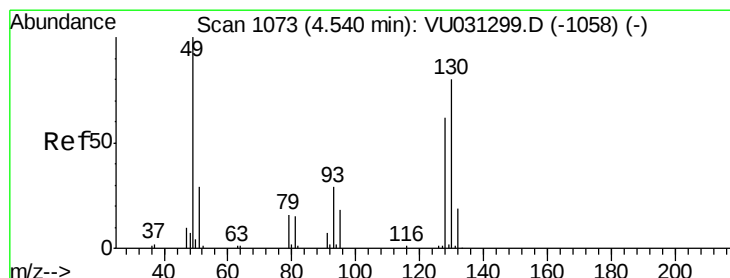
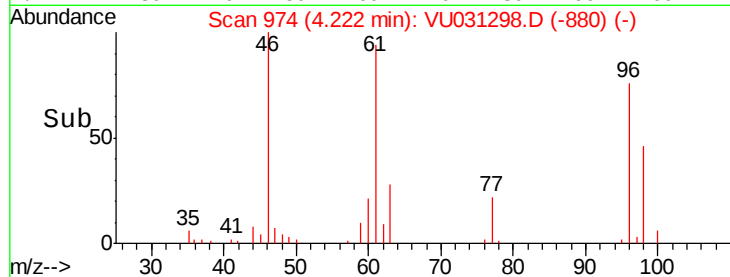
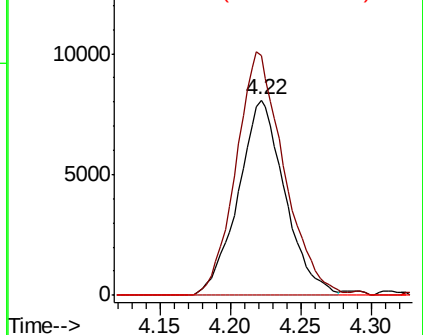
cis-1,2-Dichloroethene
 Concen: 1.002 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 96 Resp: 18703
 Ion Ratio Lower Upper
 96 100
 61 122.8 103.5 192.1
 68 0.0 0.0 0.0



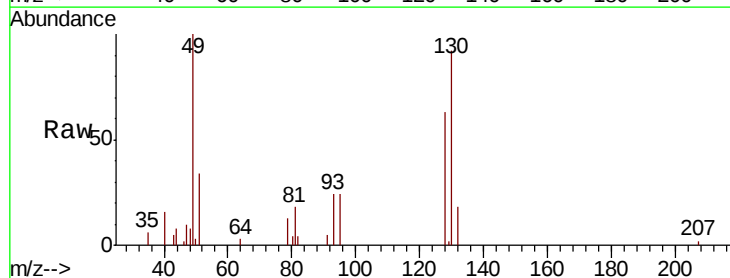
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



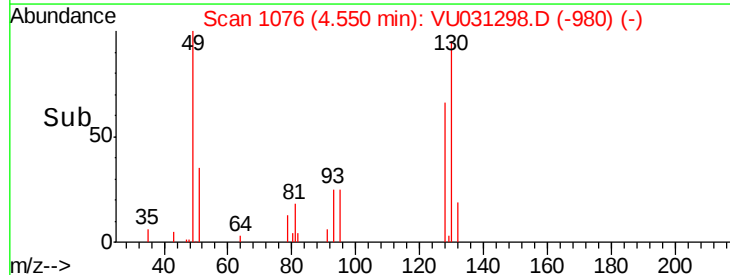
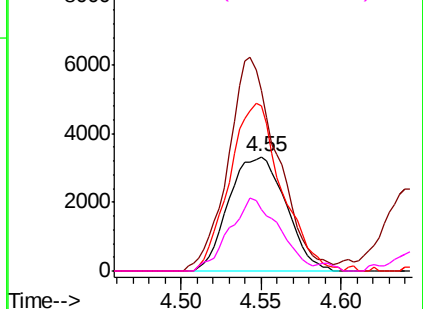
#23

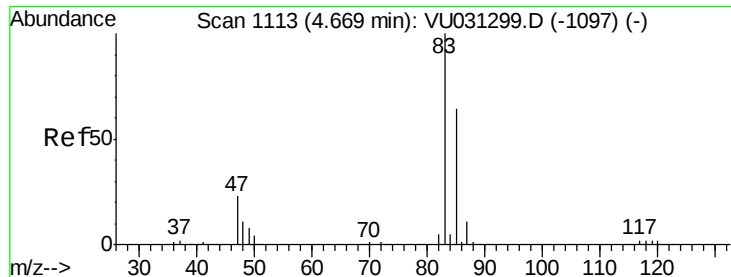
Bromochloromethane
 Concen: 0.976 ug/L
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Tgt Ion: 128 Resp: 8117
 Ion Ratio Lower Upper
 128 100
 49 157.9 113.2 210.2
 130 144.6 90.1 167.3
 51 53.9 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

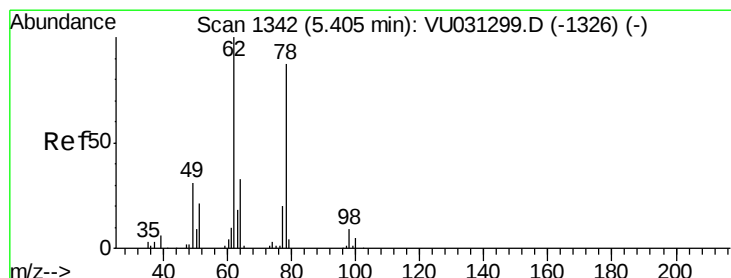
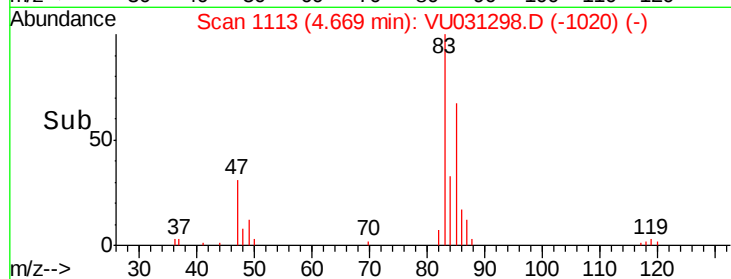
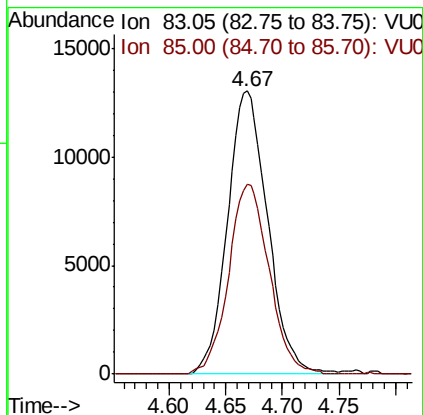
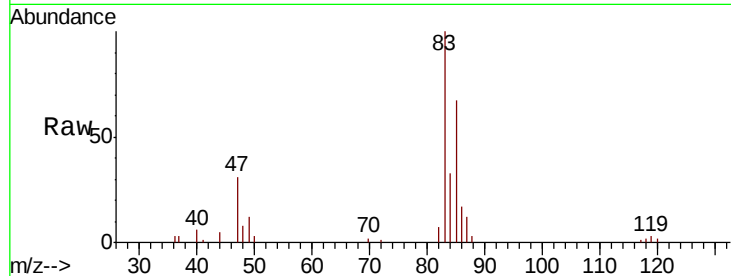




#25
Chloroform
Concen: 0.969 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031298.D
Acq: 18 Apr 2019 10:58

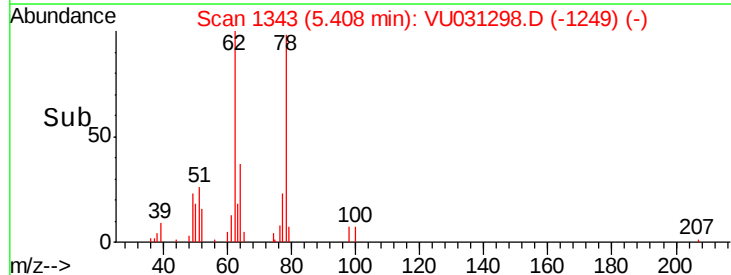
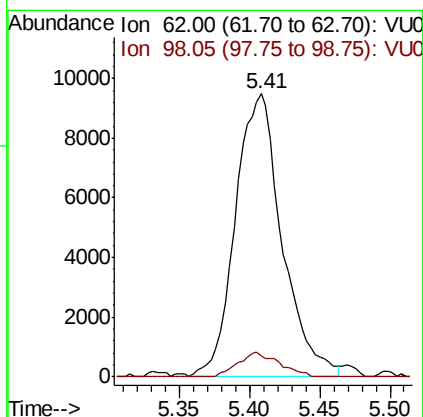
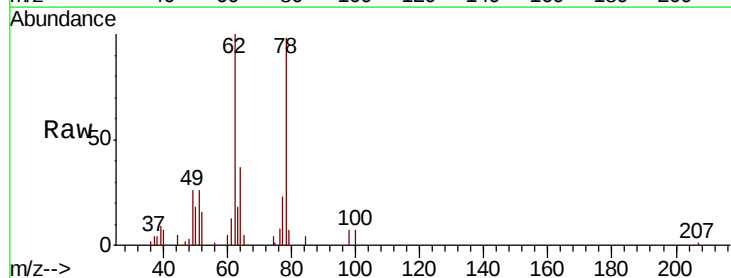
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

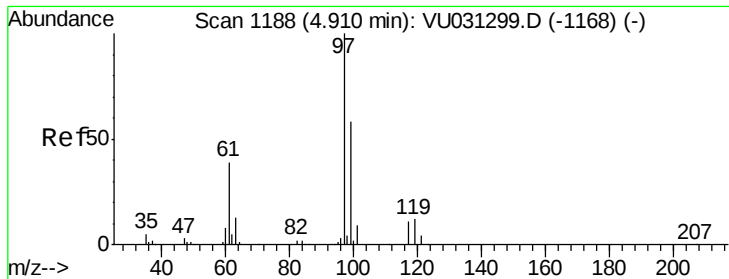
Tgt Ion: 83 Resp: 32155
Ion Ratio Lower Upper
83 100
85 67.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.028 ug/L
RT: 5.41 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VU031298.D
Acq: 18 Apr 2019 10:58

Tgt Ion: 62 Resp: 21982
Ion Ratio Lower Upper
62 100
98 7.3 7.4 11.0#

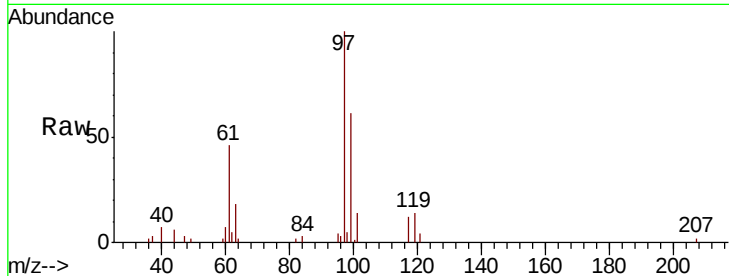




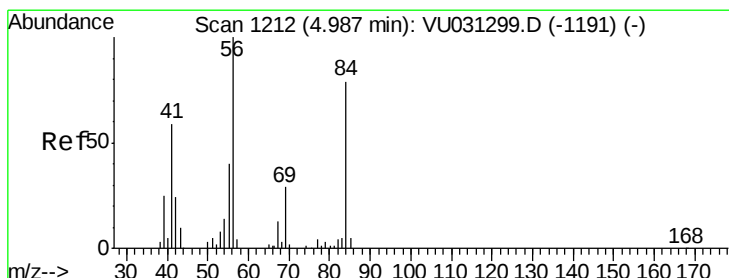
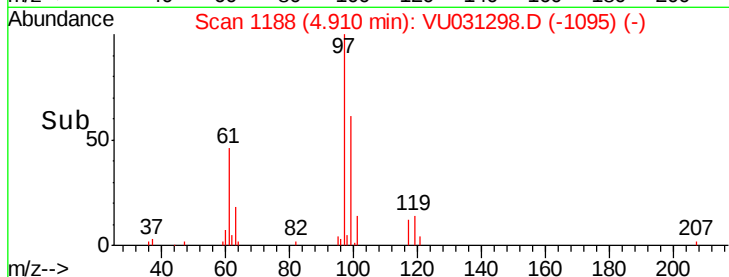
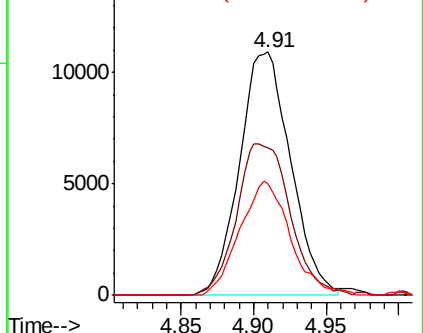
#29
 1,1,1-Trichloroethane
 Concen: 0.977 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 97 Resp: 26770
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.6 76.0
 61 46.3 33.9 50.9

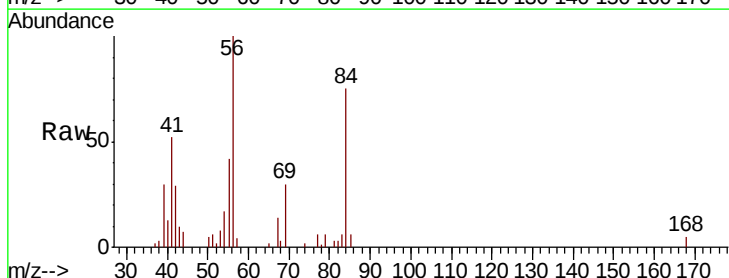


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

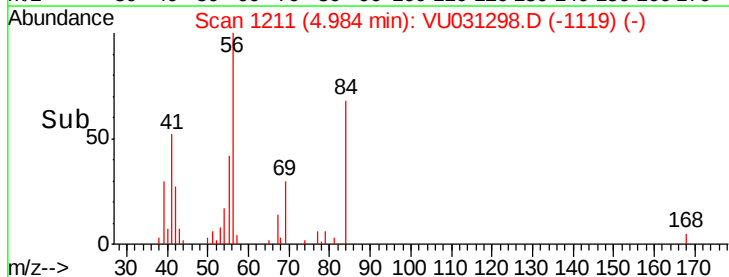
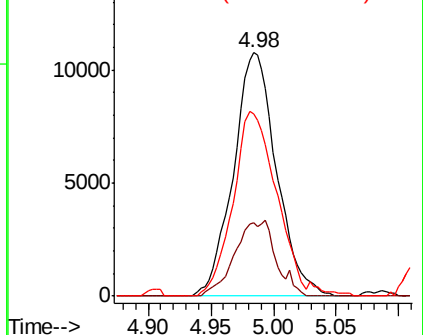


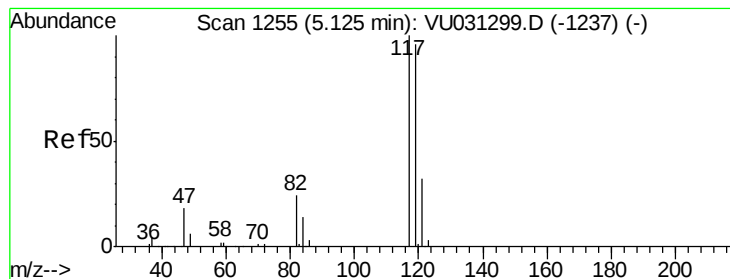
#30
 Cyclohexane
 Concen: 0.921 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Tgt Ion: 56 Resp: 25704
 Ion Ratio Lower Upper
 56 100
 69 17.2 23.3 34.9#
 84 75.6 62.6 94.0



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: 0.987 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampled :

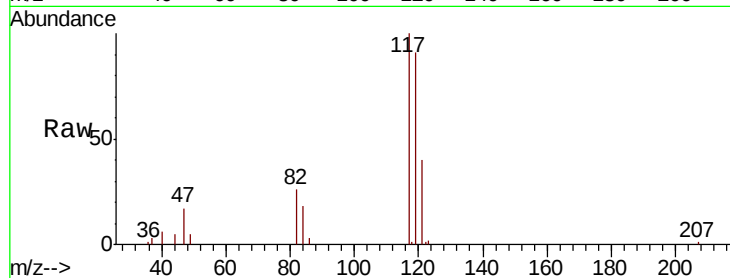
VSTD00104

Tgt Ion:117 Resp: 24139

Ion Ratio Lower Upper

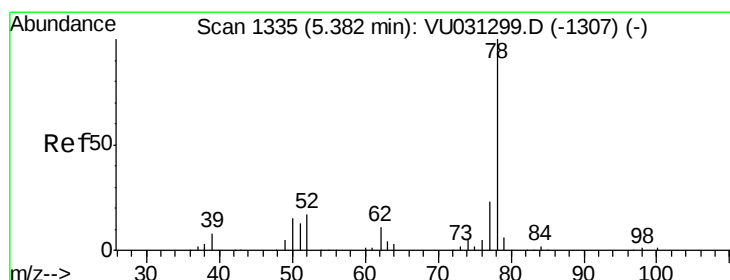
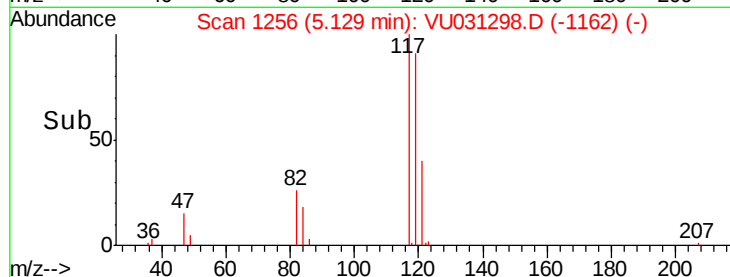
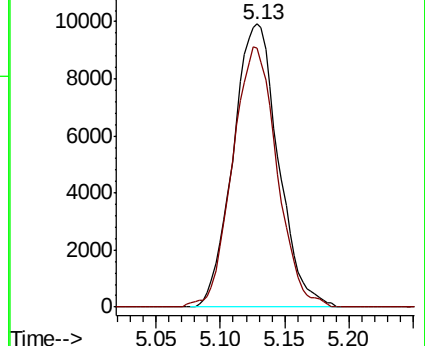
117 100

119 90.6 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: 0.963 ug/L

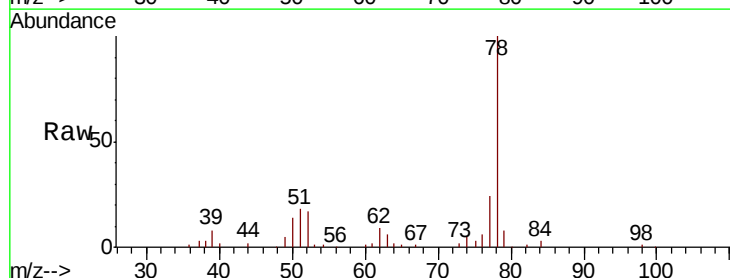
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

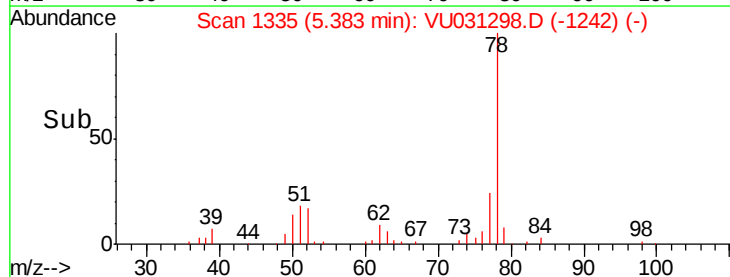
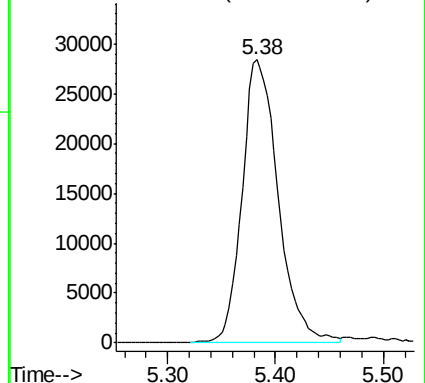
Lab File: VU031298.D

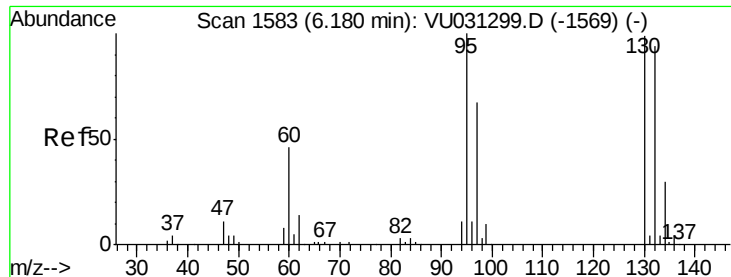
Acq: 18 Apr 2019 10:58

Tgt Ion: 78 Resp: 66334



Abundance Ion 78.10 (77.80 to 78.80): VU0

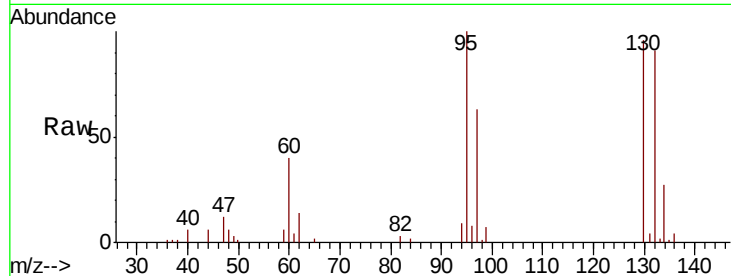




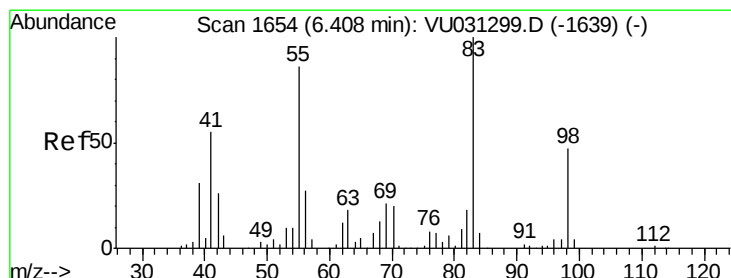
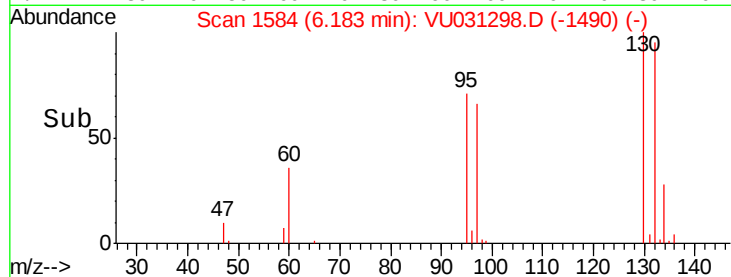
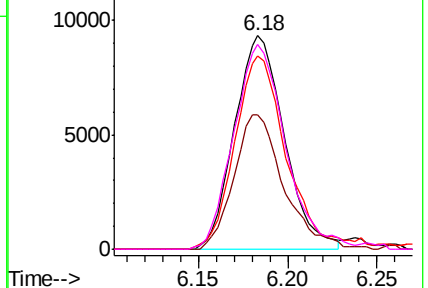
#34
 Trichloroethene
 Concen: 0.974 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:	95	Resp:	18122
Ion	Ratio	Lower	Upper
95	100		
97	63.2	46.8	86.8
132	90.7	65.8	122.2
130	95.6	69.5	129.1

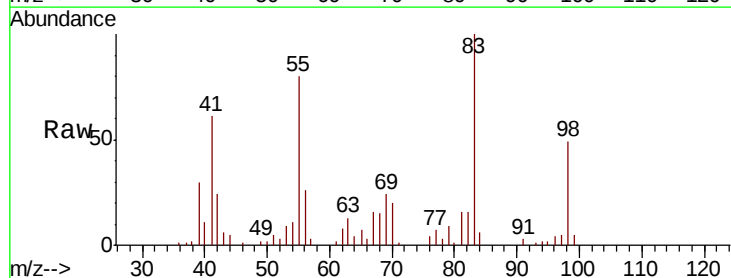


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

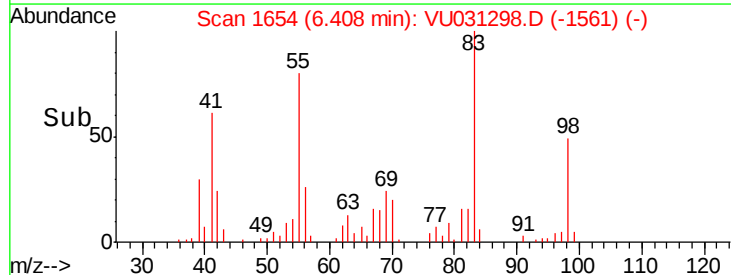
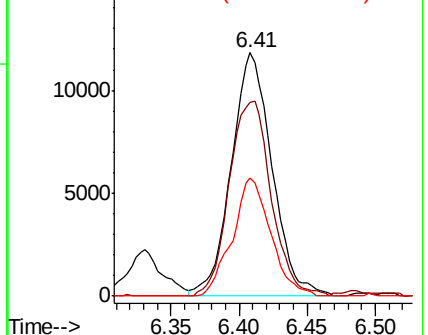


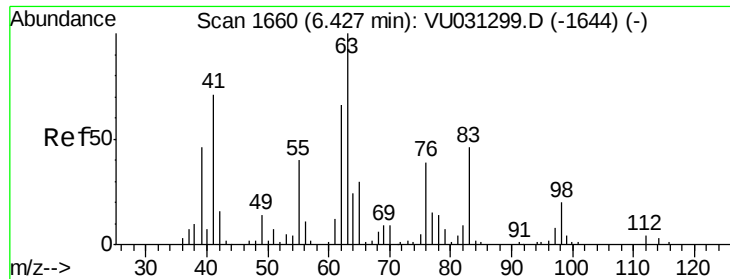
#35
 Methylcyclohexane
 Concen: 0.959 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Tgt Ion:	83	Resp:	24571
Ion	Ratio	Lower	Upper
83	100		
55	82.6	70.6	105.8
98	45.6	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

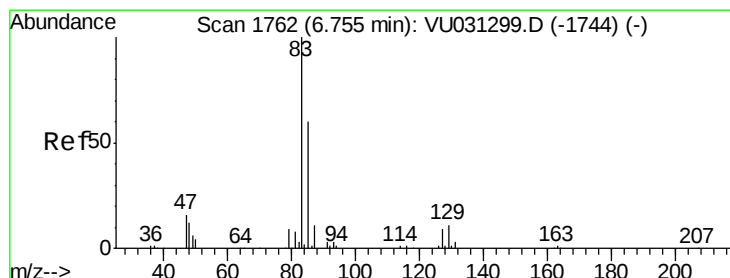
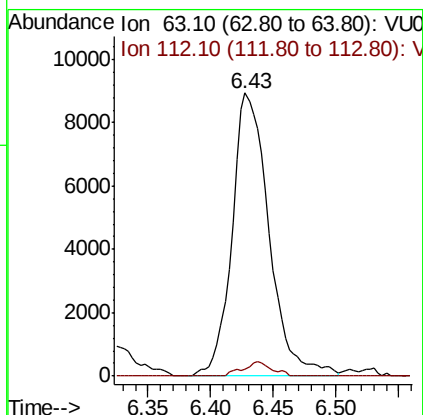
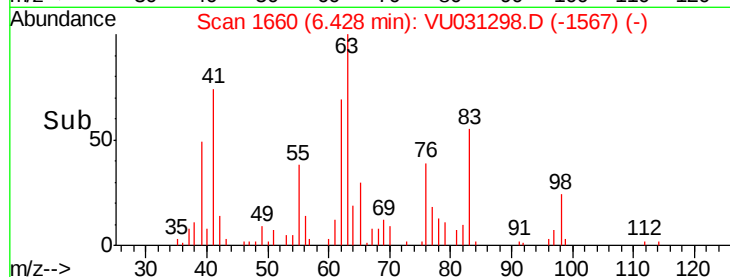
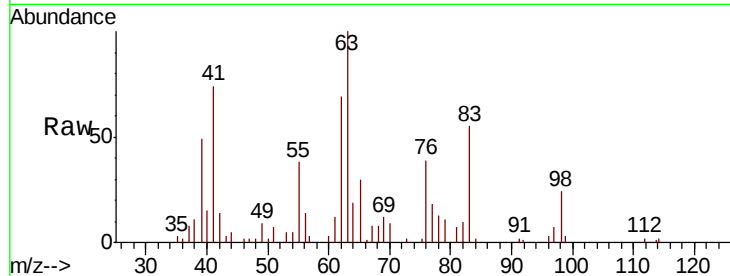




#37
 1,2-Dichloropropane
 Concen: 1.011 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

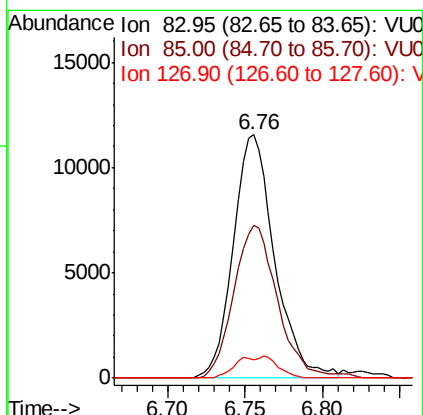
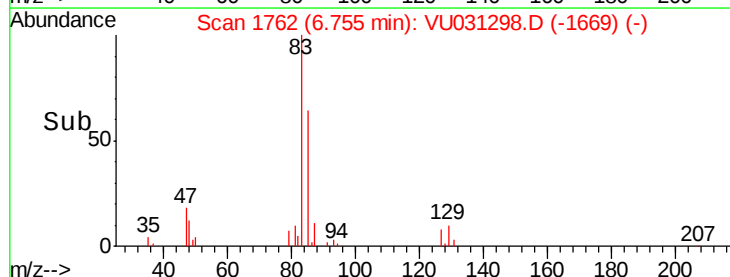
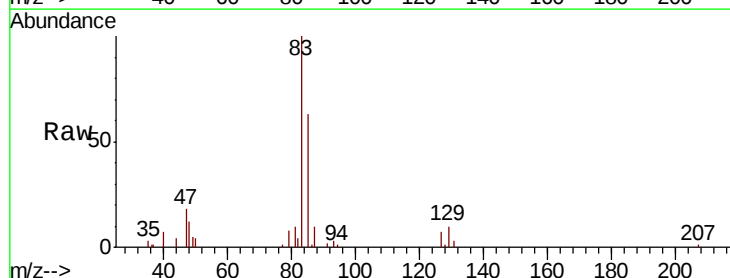
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

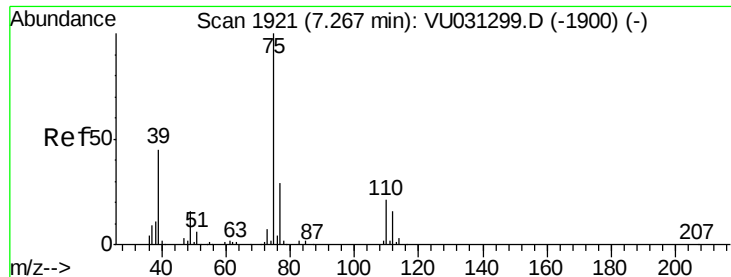
Tgt Ion: 63 Resp: 18342
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 0.947 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Tgt Ion: 83 Resp: 21456
 Ion Ratio Lower Upper
 83 100
 85 62.5 41.9 77.7
 127 7.4 7.1 10.7



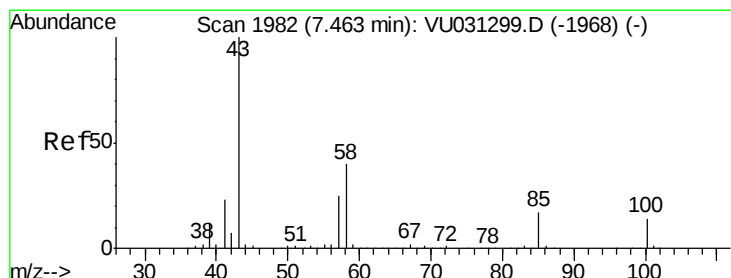
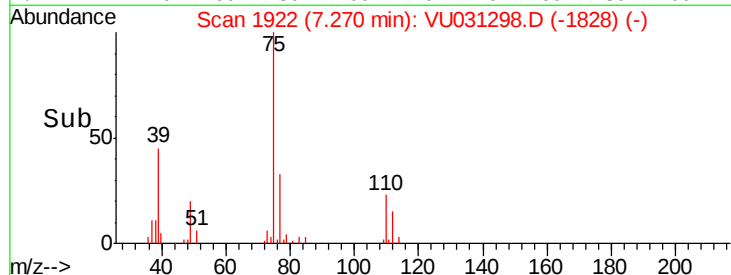
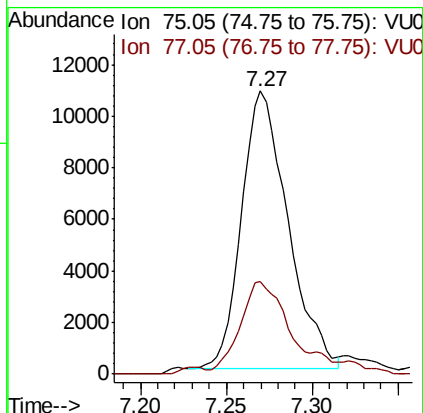
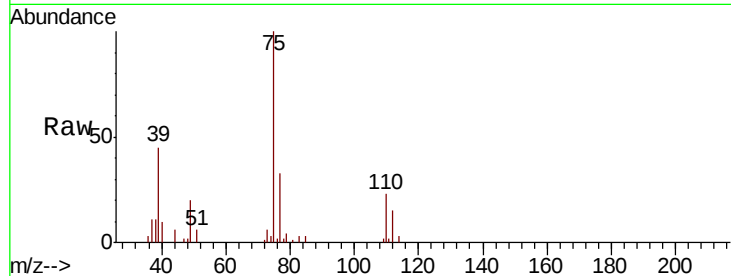


#39

cis-1,3-Dichloropropene
 Concen: 0.845 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

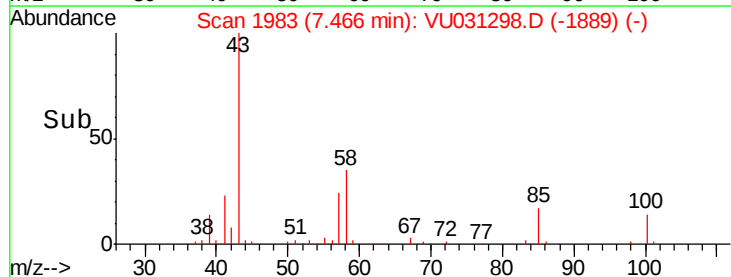
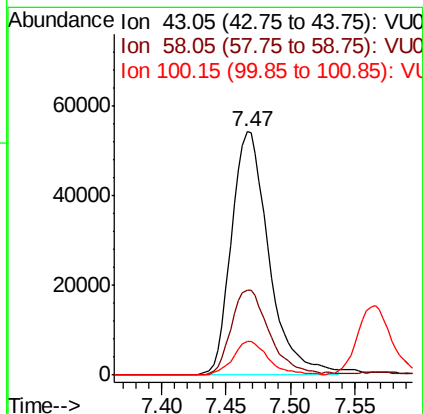
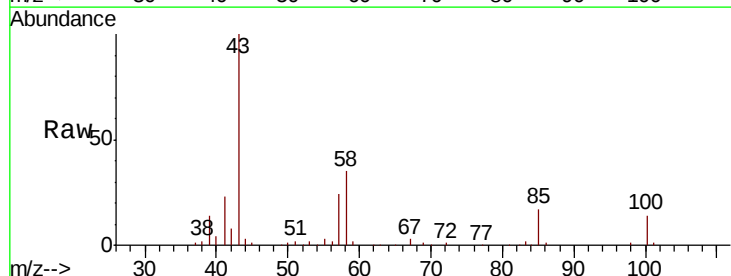
Tgt Ion: 75 Resp: 20295
 Ion Ratio Lower Upper
 75 100
 77 32.5 20.2 37.4

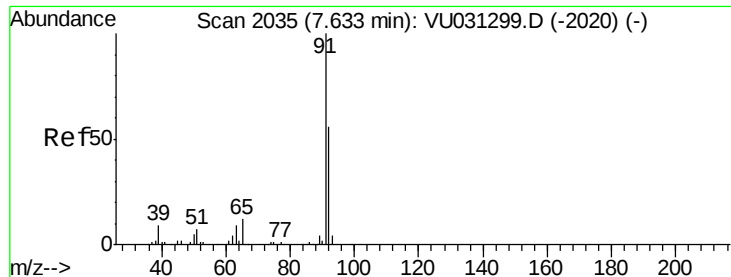


#40

4-Methyl-2-pentanone
 Concen: 9.390 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Tgt Ion: 43 Resp: 109445
 Ion Ratio Lower Upper
 43 100
 58 36.2 30.7 46.1
 100 13.2 11.1 16.7





#42

Toluene

Concen: 0.926 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

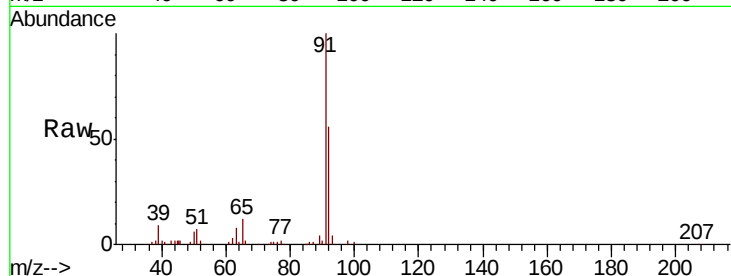
VSTD00104

Tgt Ion: 91 Resp: 64307

Ion Ratio Lower Upper

91 100

92 55.7 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU031298.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031298.D (-2020) (-)

7.63

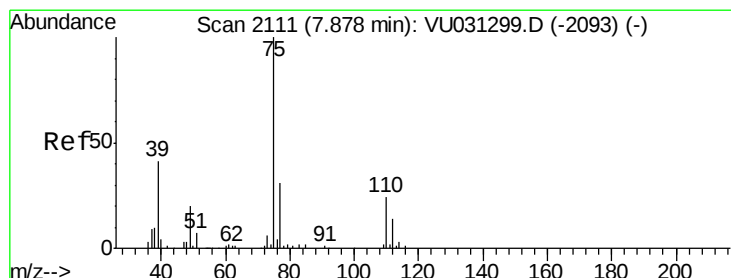
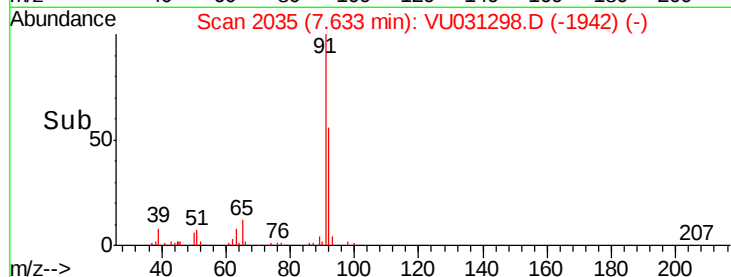
30000

20000

10000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.862 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU031298.D

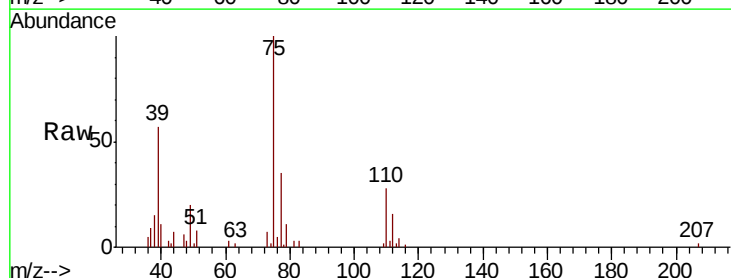
Acq: 18 Apr 2019 10:58

Tgt Ion: 75 Resp: 17264

Ion Ratio Lower Upper

75 100

77 34.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU031298.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031298.D (-2093) (-)

7.88

8000

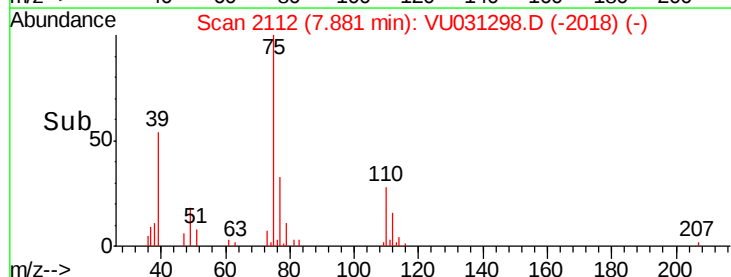
6000

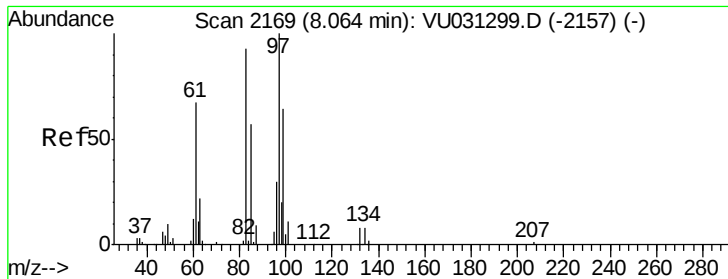
4000

2000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.959 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

Tgt Ion: 97 Resp: 12407

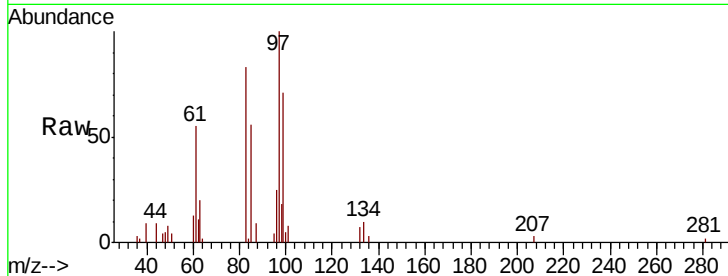
Ion Ratio Lower Upper

97 100

99 70.9 44.8 83.2

83 82.8 64.9 120.5

85 56.3 40.1 74.5

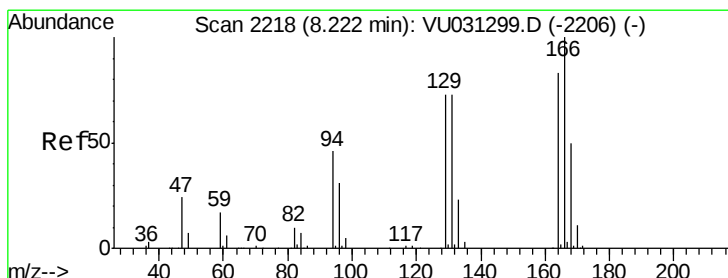
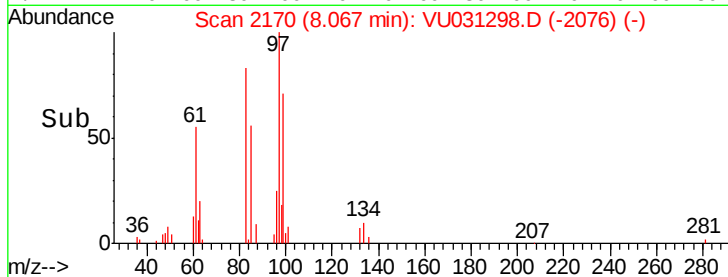
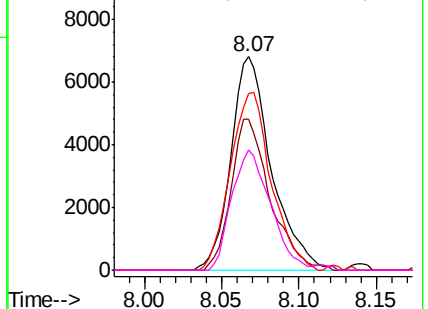


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.962 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Tgt Ion: 164 Resp: 13336

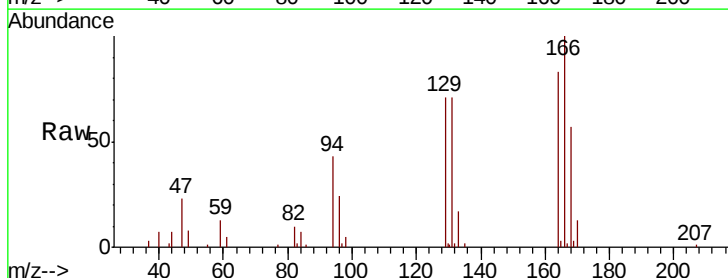
Ion Ratio Lower Upper

164 100

129 86.1 61.9 114.9

131 86.0 61.5 114.3

166 120.5 84.6 157.0

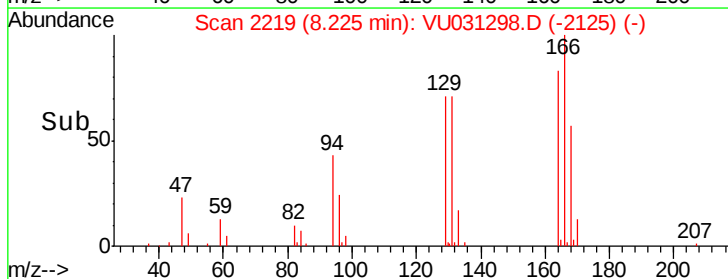
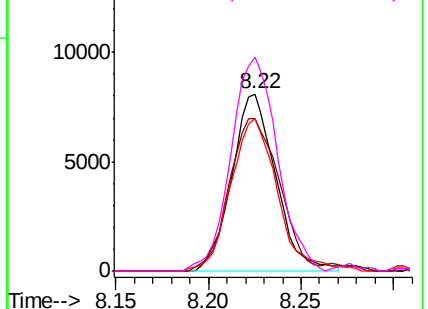


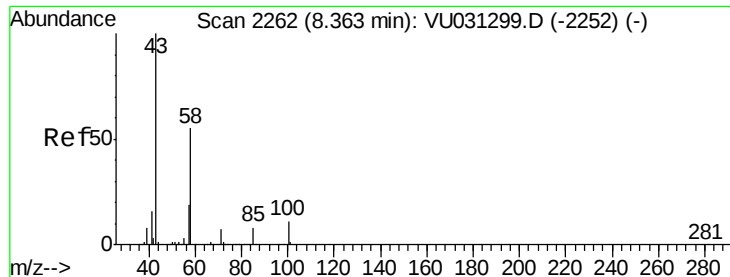
Abundance Ion 163.90 (163.60 to 164.60): V

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

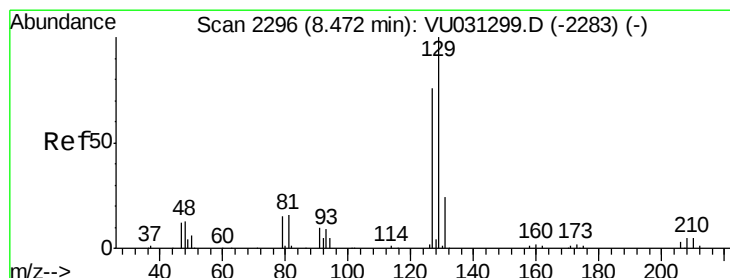
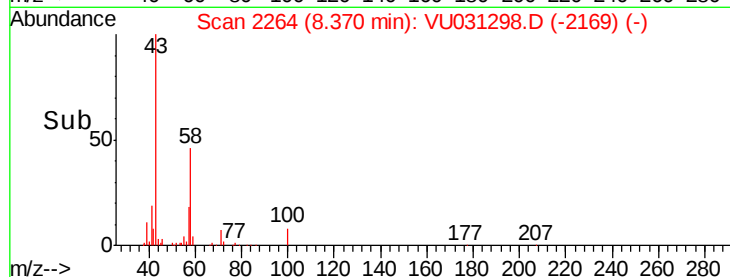
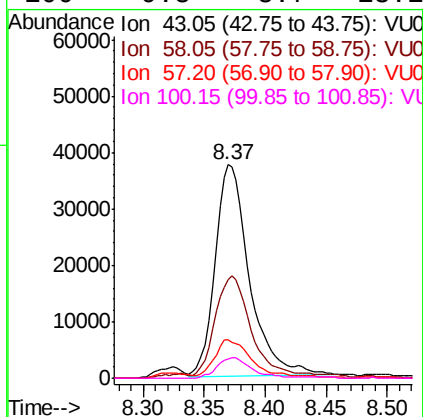
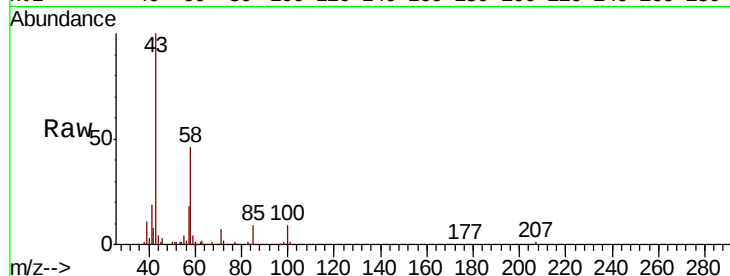




#48
2-Hexanone
Concen: 8.932 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031298.D
Acq: 18 Apr 2019 10:58

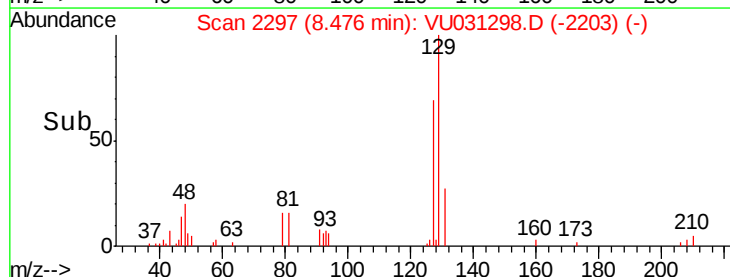
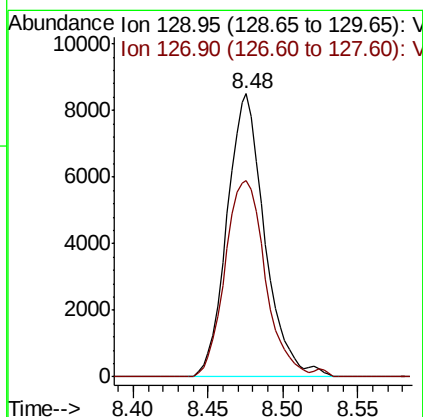
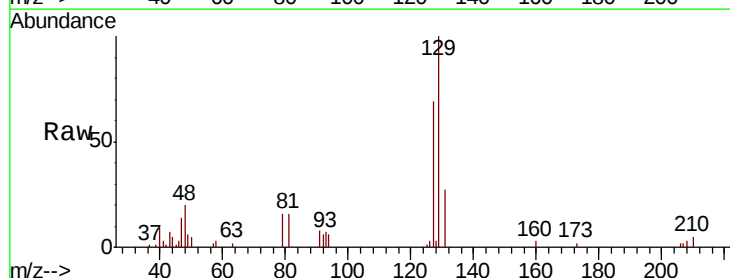
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

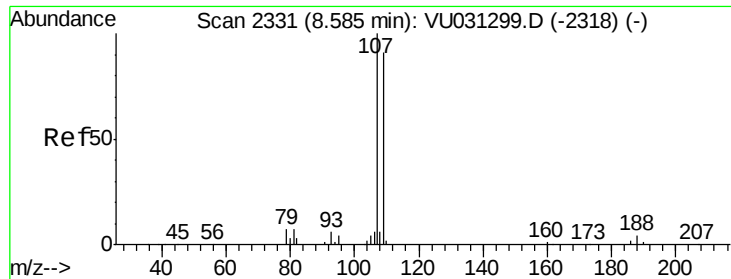
Tgt Ion:	43	Resp:	73885
Ion	Ratio	Lower	Upper
43	100		
58	49.3	45.0	67.6
57	19.1	15.5	23.3
100	9.8	8.7	13.1



#49
Dibromochloromethane
Concen: 0.963 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU031298.D
Acq: 18 Apr 2019 10:58

Tgt Ion:	129	Resp:	14905
Ion	Ratio	Lower	Upper
129	100		
127	69.5	53.3	99.1

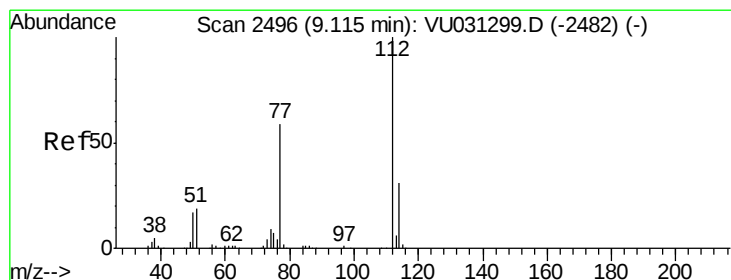
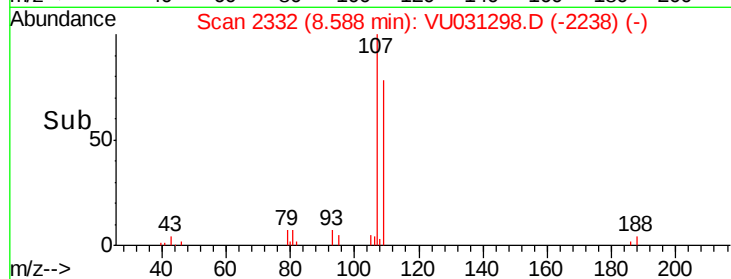
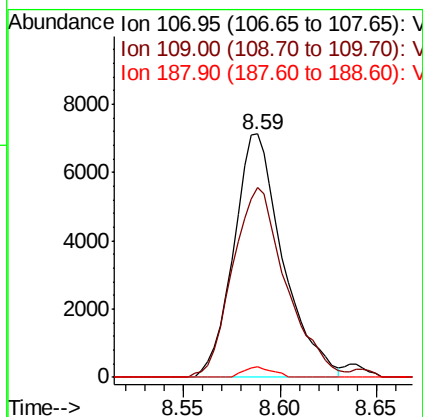
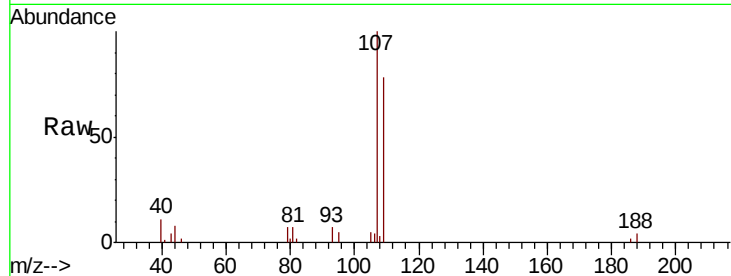




#50
 1,2-Dibromoethane
 Concen: 1.029 ug/L
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

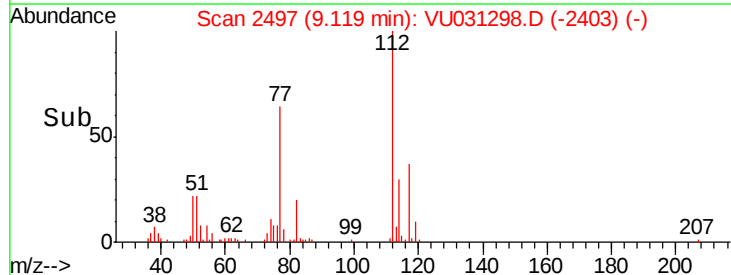
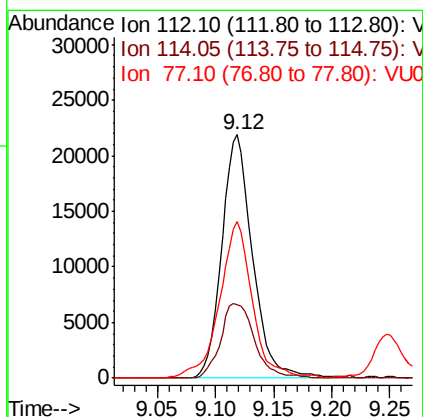
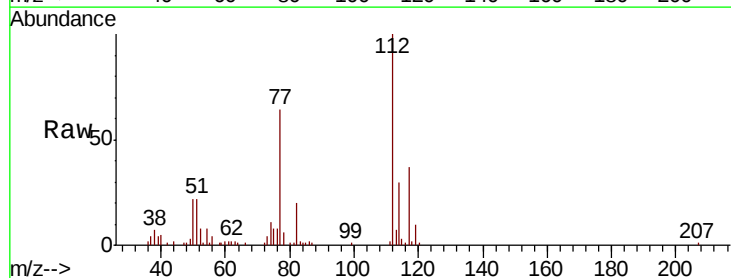
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

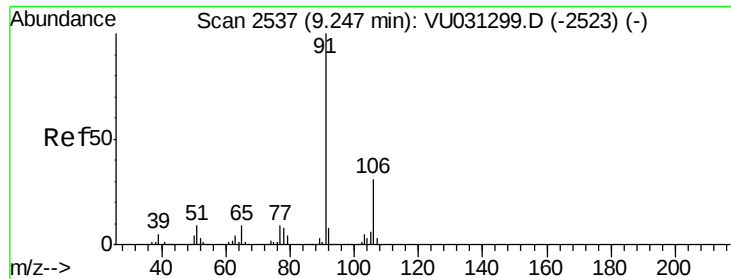
Tgt Ion:107 Resp: 12603
 Ion Ratio Lower Upper
 107 100
 109 77.9 63.6 118.2
 188 4.3 2.9 4.3#



#51
 Chlorobenzene
 Concen: 0.930 ug/L
 RT: 9.12 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Tgt Ion:112 Resp: 40407
 Ion Ratio Lower Upper
 112 100
 114 30.3 21.6 40.2
 77 64.2 47.1 70.7





#52

Ethylbenzene

Concen: 0.886 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

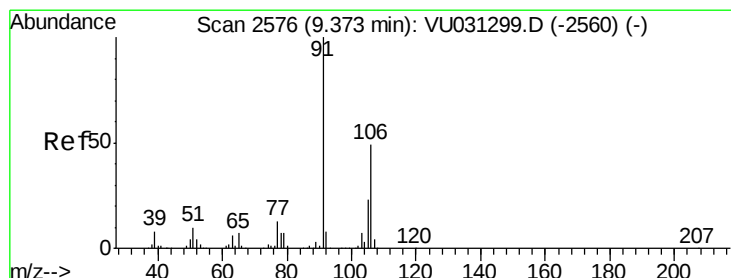
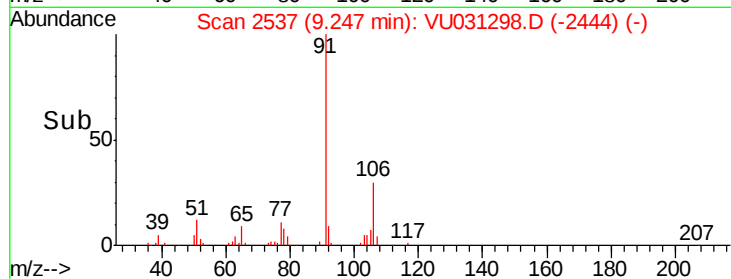
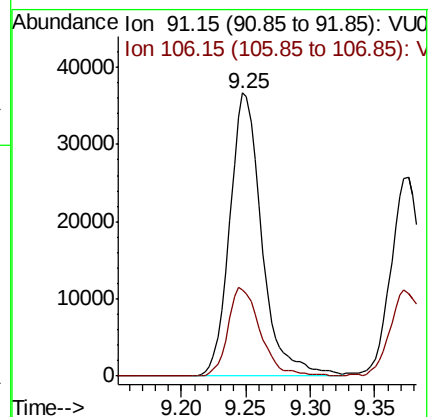
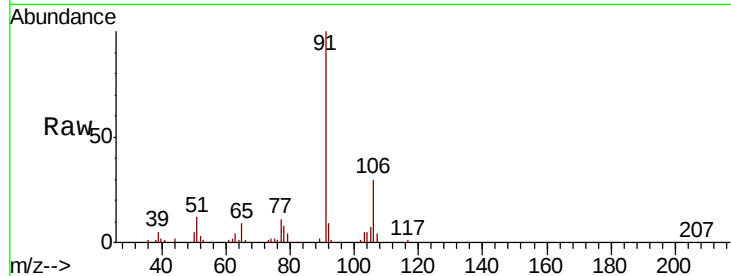
VSTD00104

Tgt Ion: 91 Resp: 63533

Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.4



#53

m,p-Xylene

Concen: 0.805 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031298.D

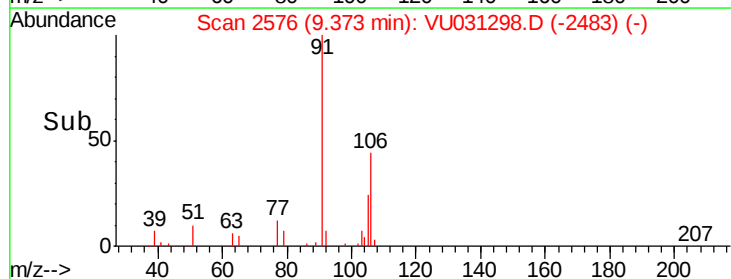
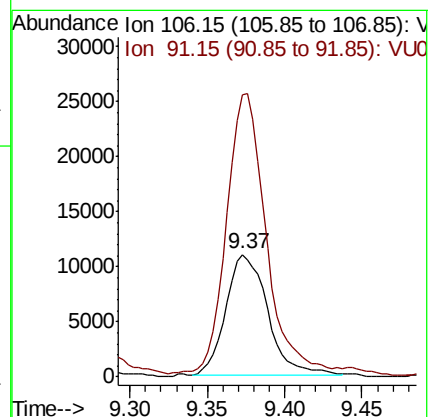
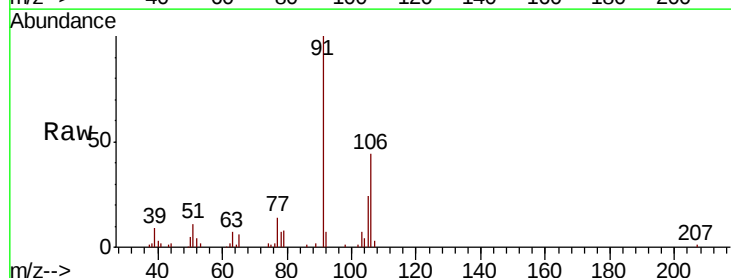
Acq: 18 Apr 2019 10:58

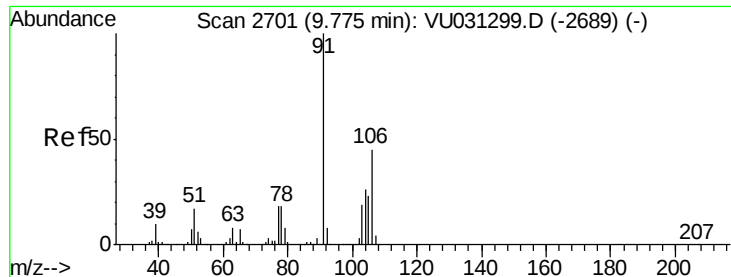
Tgt Ion: 106 Resp: 20728

Ion Ratio Lower Upper

106 100

91 229.5 144.2 267.8





#54

o-Xylene

Concen: 0.845 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

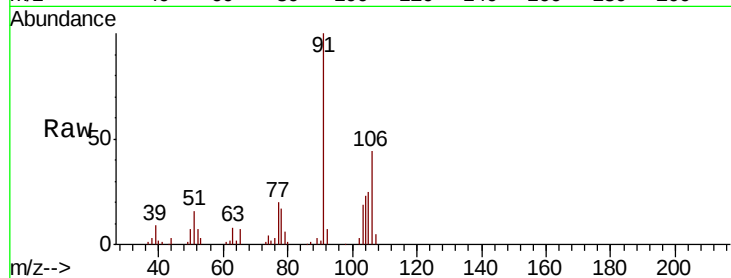
VSTD00104

Tgt Ion:106 Resp: 21460

Ion Ratio Lower Upper

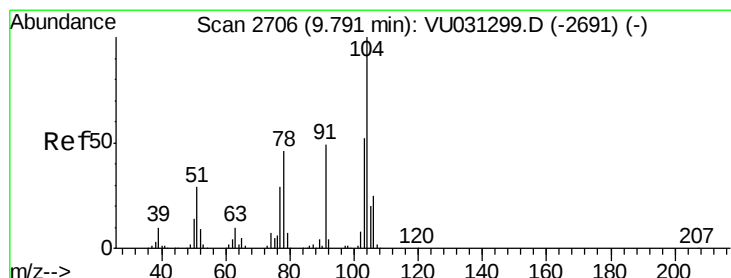
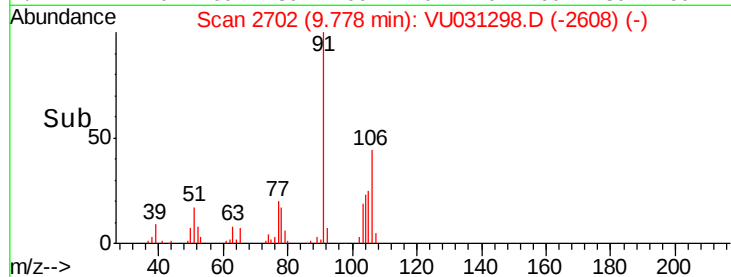
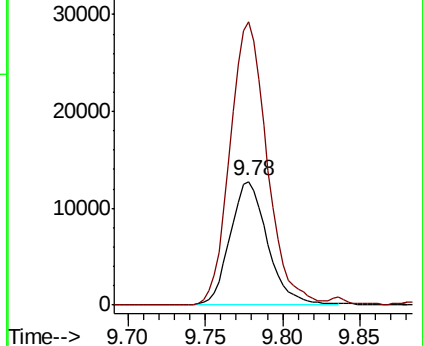
106 100

91 228.6 156.2 290.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.813 ug/L

RT: 9.79 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VU031298.D

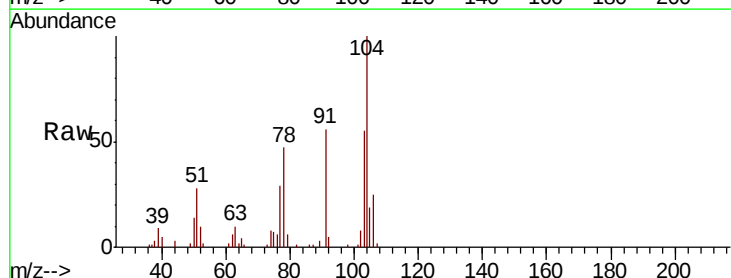
Acq: 18 Apr 2019 10:58

Tgt Ion:104 Resp: 34293

Ion Ratio Lower Upper

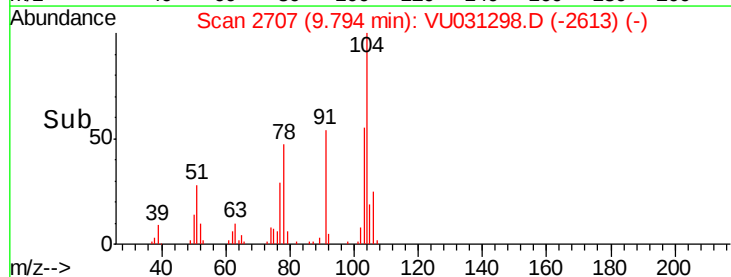
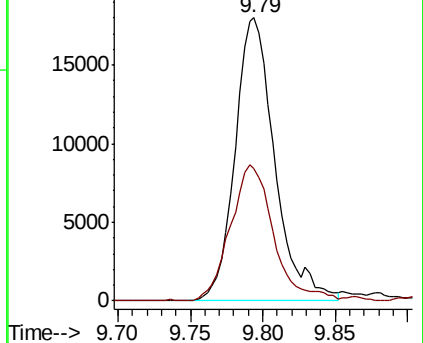
104 100

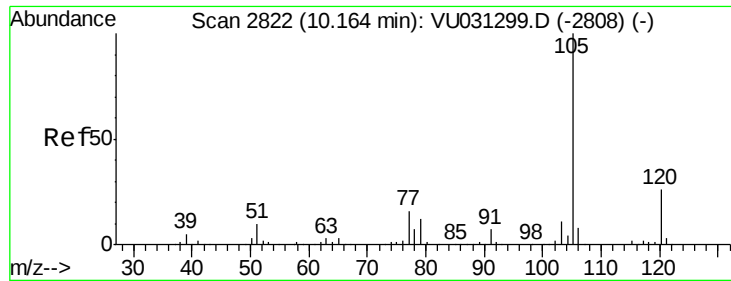
78 46.8 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.848 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

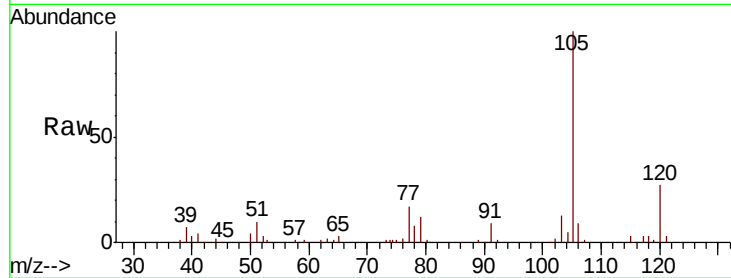
Tgt Ion: 105 Resp: 56491

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.4

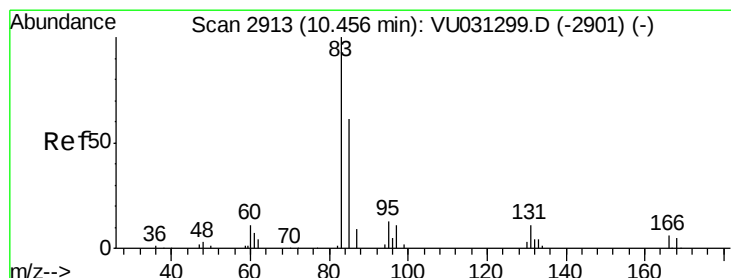
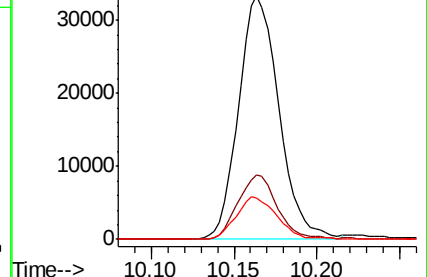
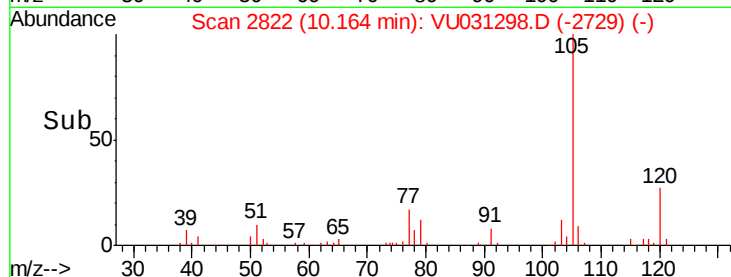
77 17.6 12.9 19.3



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: 0.949 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

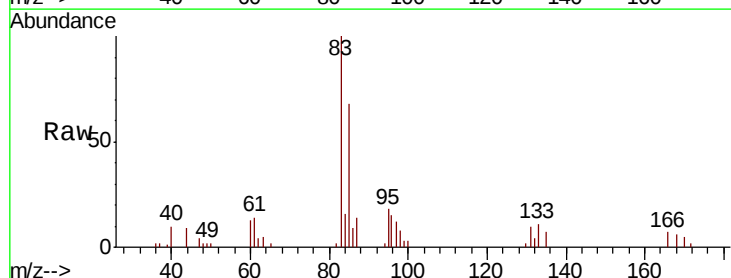
Tgt Ion: 83 Resp: 15692

Ion Ratio Lower Upper

83 100

85 68.3 43.1 80.1

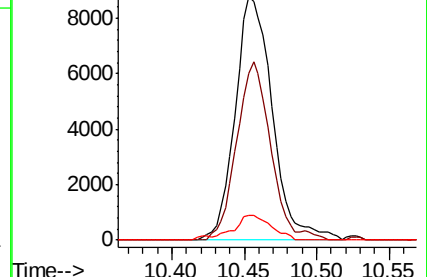
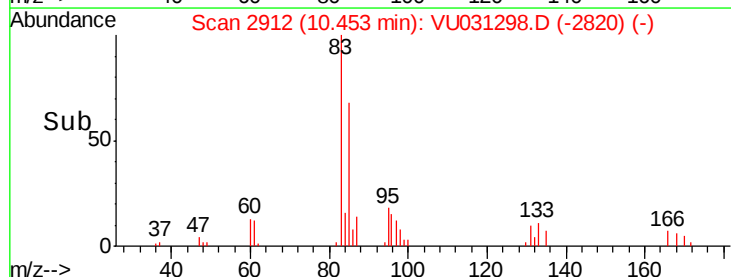
131 10.4 9.4 14.2

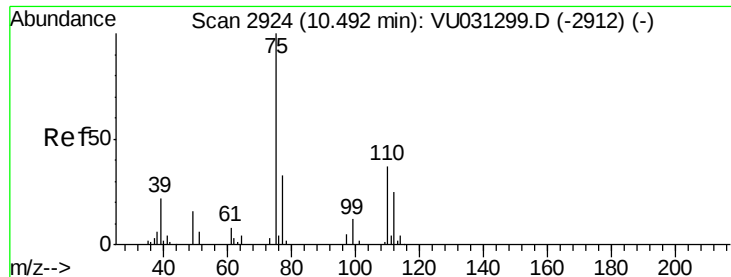


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.970 ug/L

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

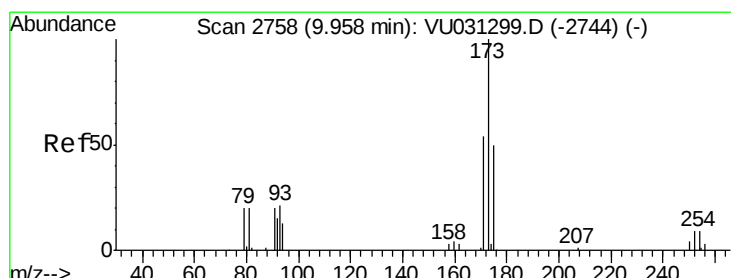
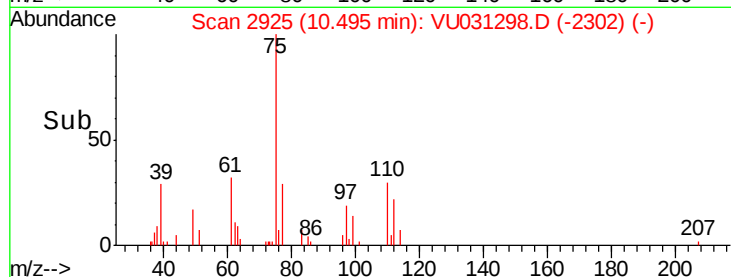
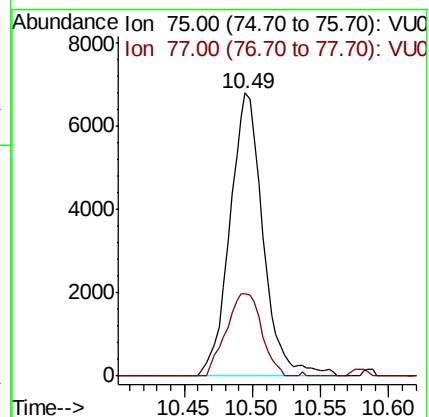
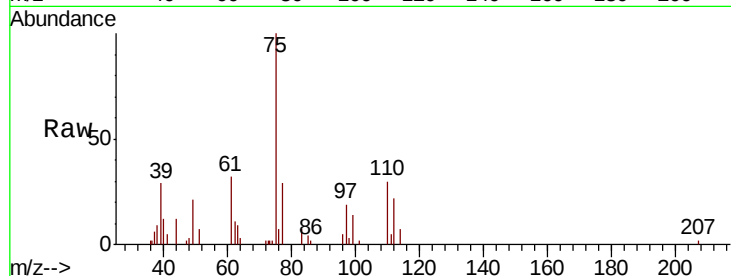
VSTD00104

Tgt Ion: 75 Resp: 11489

Ion Ratio Lower Upper

75 100

77 30.9 27.0 40.6



#61

Bromoform

Concen: 1.119 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

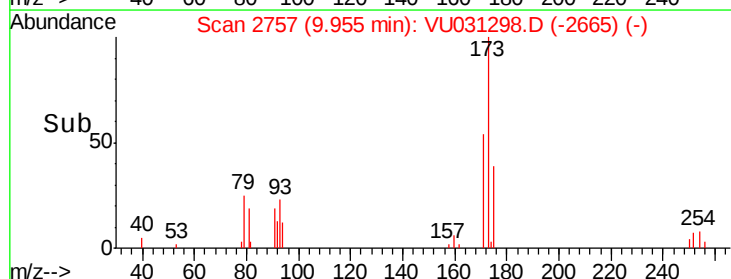
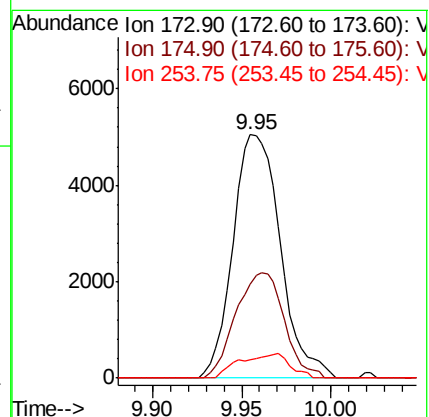
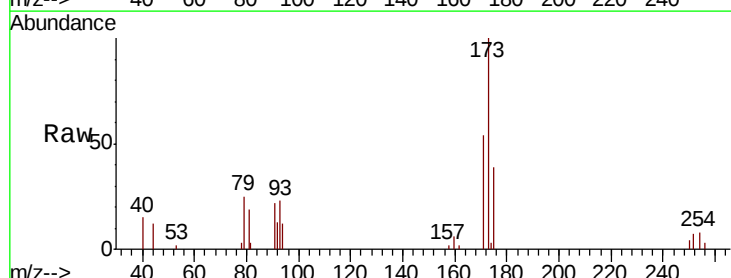
Tgt Ion: 173 Resp: 9380

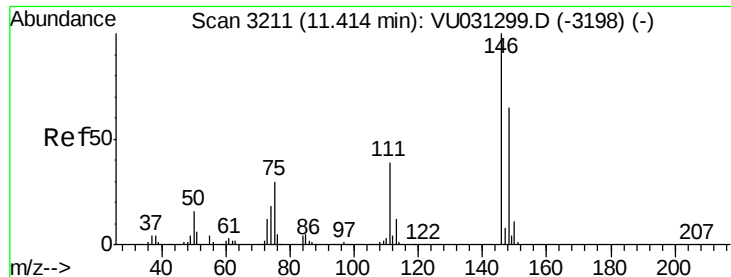
Ion Ratio Lower Upper

173 100

175 44.1 39.2 58.8

254 10.5 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 0.971 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

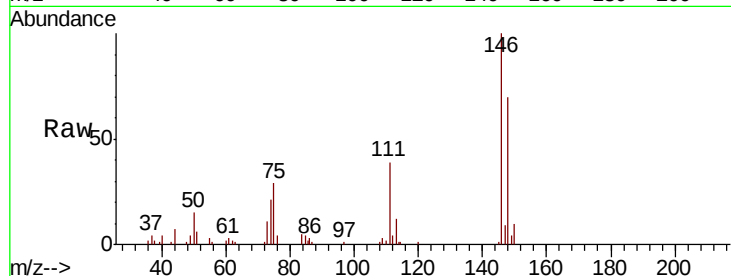
Tgt Ion:146 Resp: 27844

Ion Ratio Lower Upper

146 100

111 39.0 27.6 51.2

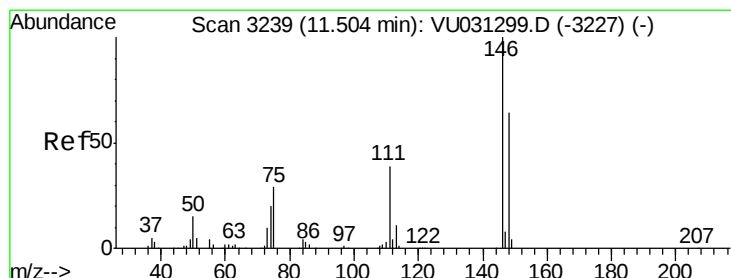
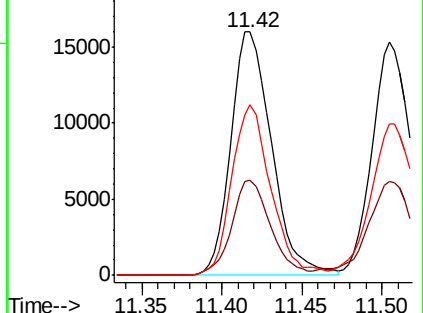
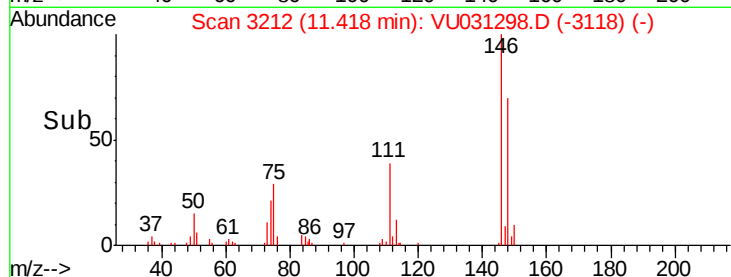
148 70.1 45.4 84.4



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: 0.942 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

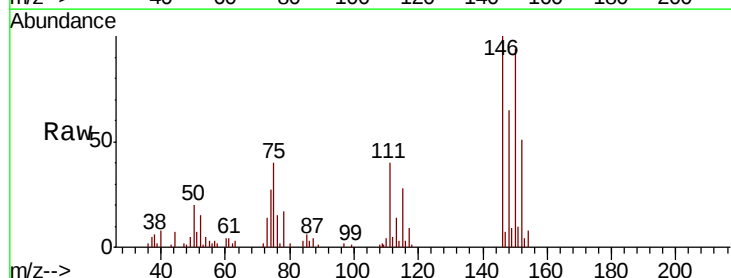
Tgt Ion:146 Resp: 27214

Ion Ratio Lower Upper

146 100

111 40.3 27.6 51.2

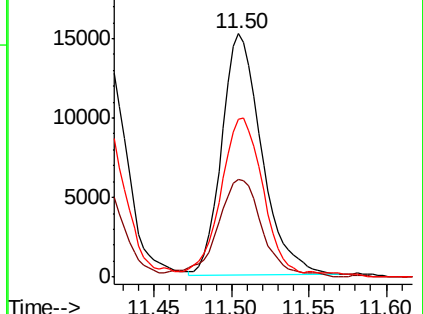
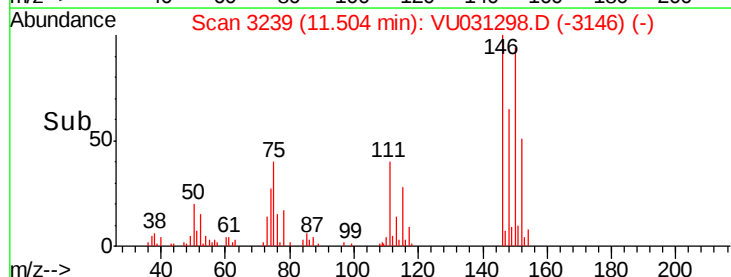
148 65.0 44.9 83.5

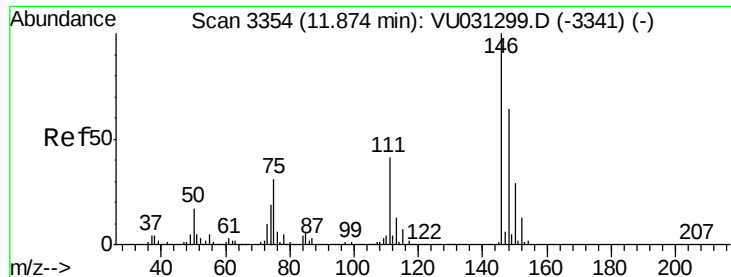


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.941 ug/L

RT: 11.88 min Scan# 3356

Delta R.T. 0.01 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

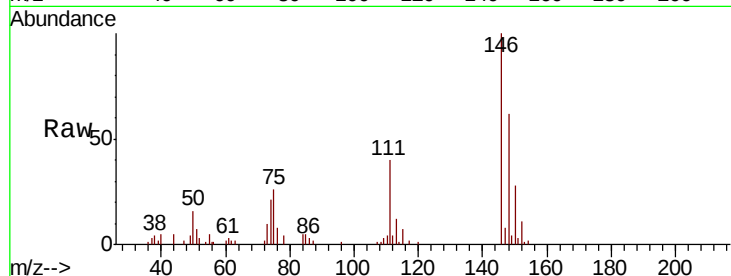
Tgt Ion:146 Resp: 27478

Ion Ratio Lower Upper

146 100

111 39.6 33.0 49.6

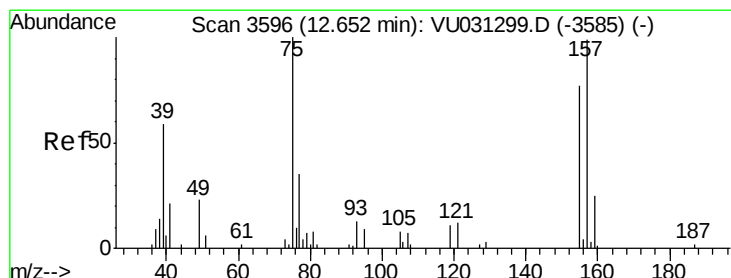
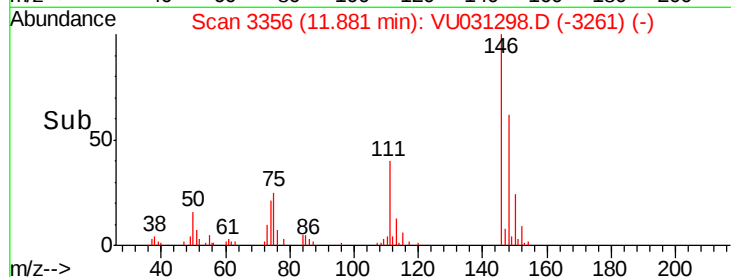
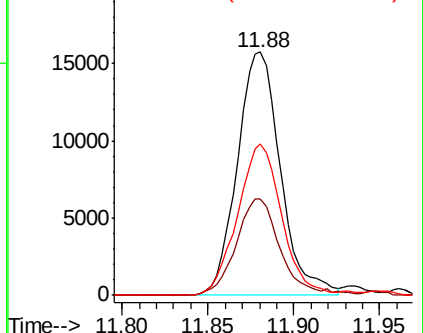
148 62.3 51.4 77.2



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: 1.079 ug/L

RT: 12.66 min Scan# 3598

Delta R.T. 0.01 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

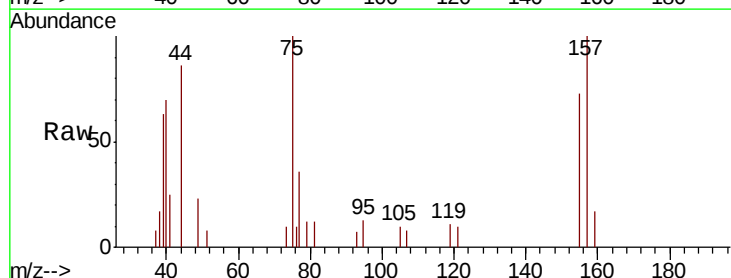
Tgt Ion: 75 Resp: 2564

Ion Ratio Lower Upper

75 100

155 73.6 61.8 92.6

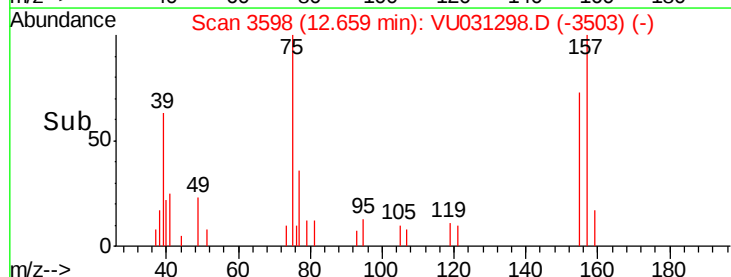
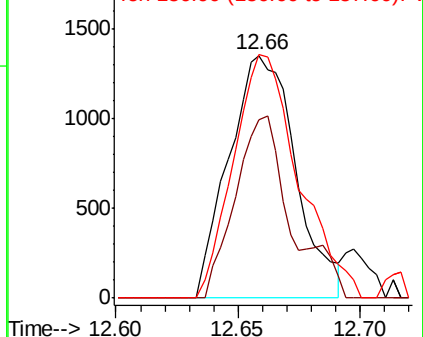
157 100.4 79.4 119.0

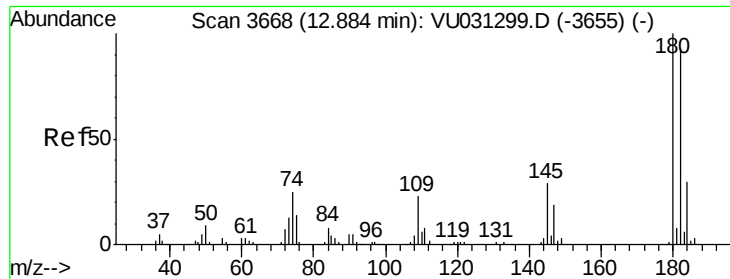


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

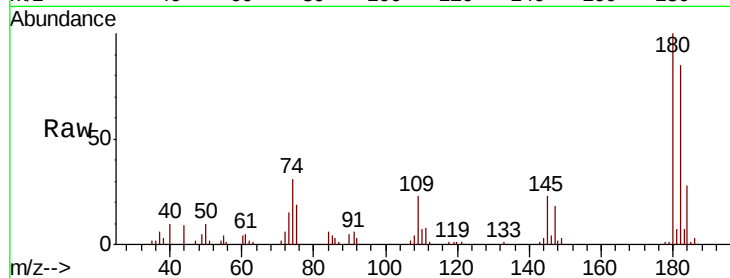




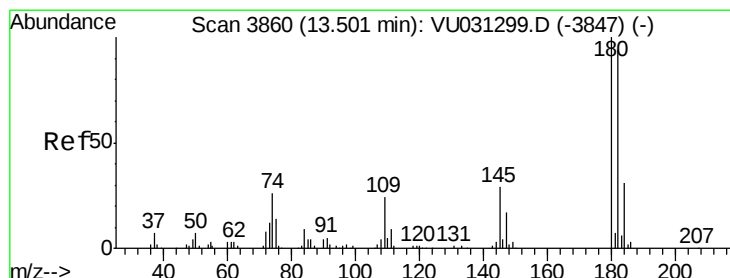
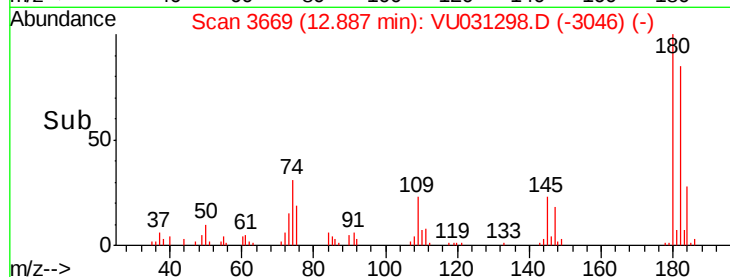
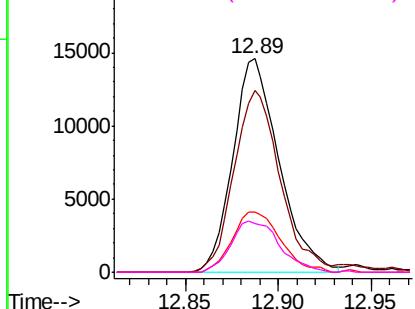
#67
 1,3,5-Trichlorobenzene
 Concen: 1.073 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:180 Resp: 25285
 Ion Ratio Lower Upper
 180 100
 182 85.1 77.0 115.6
 184 29.5 23.9 35.9
 145 25.1 23.3 34.9

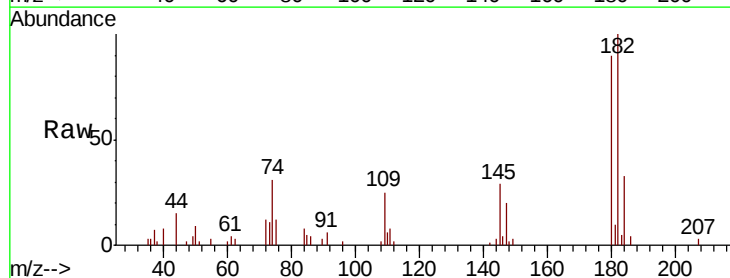


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

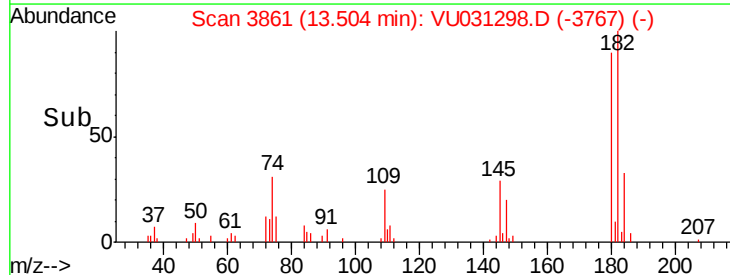
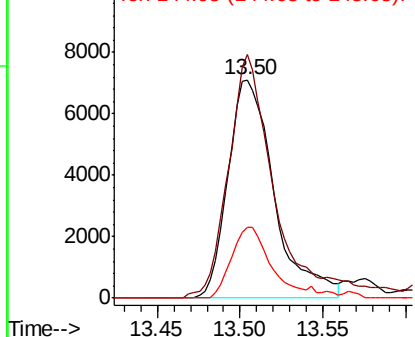


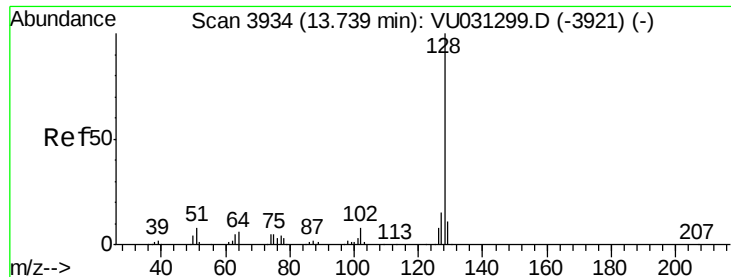
#68
 1,2,4-trichlorobenzene
 Concen: 0.816 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU031298.D
 Acq: 18 Apr 2019 10:58

Tgt Ion:180 Resp: 13857
 Ion Ratio Lower Upper
 180 100
 182 112.7 75.2 112.8
 145 29.0 22.7 34.1



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: 0.792 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

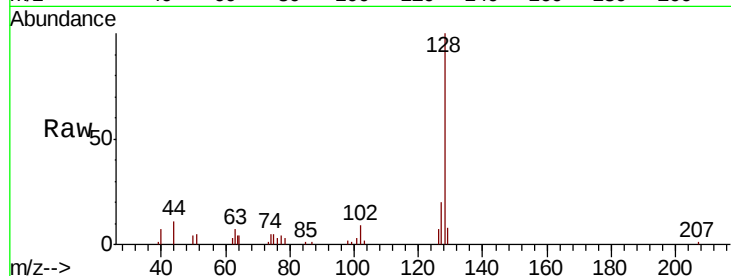
Tgt Ion:128 Resp: 23491

Ion Ratio Lower Upper

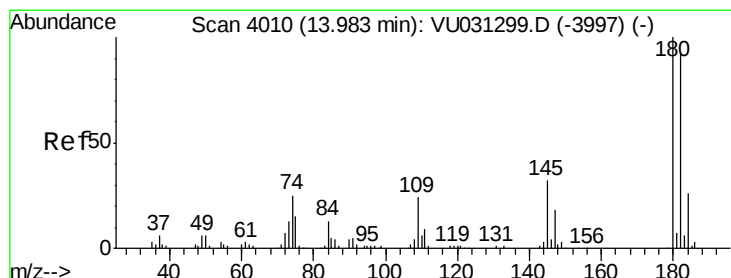
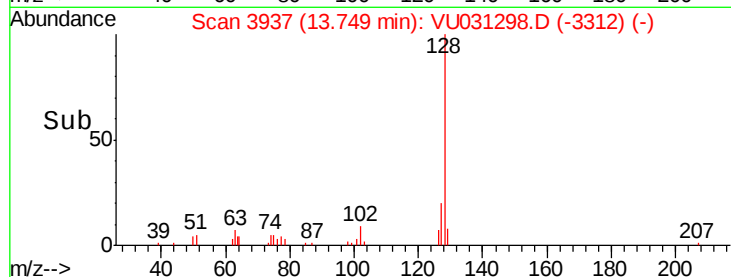
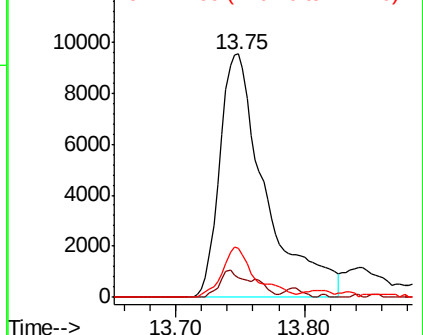
128 100

129 6.0 8.8 13.2#

127 14.9 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: 0.845 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU031298.D

Acq: 18 Apr 2019 10:58

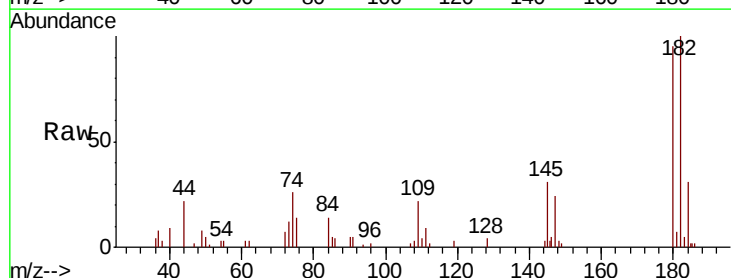
Tgt Ion:180 Resp: 14876

Ion Ratio Lower Upper

180 100

182 92.3 74.3 111.5

145 29.3 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

