

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032919\
 Data File : VU030532.D
 Acq On : 29 Mar 2019 09:30
 Operator : JC/SP
 Sample : VSTD00102
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Quant Time: Mar 30 00:09:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 30 00:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	210130	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	203983	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87939	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	14264	0.89	ug/L	0.00
7) Chloroethane-d5	1.68	69	11499	0.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	30798	0.94	ug/L	0.00
20) 2-Butanone-d5	4.22	46	35779	8.65	ug/L	0.00
24) Chloroform-d	4.65	84	23927	0.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	13825	0.96	ug/L	0.00
32) Benzene-d6	5.34	84	46807	0.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	15767	0.87	ug/L	0.00
41) Toluene-d8	7.56	98	40579	0.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	5663	0.85	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	21158	7.27	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	11020	0.85	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	14086	0.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	23246	0.993 ug/L	97
3) Chloromethane	1.33	50	27507	1.002 ug/L	99
5) Vinyl chloride	1.40	62	25063	0.997 ug/L	100
6) Bromomethane	1.63	94	12195	0.991 ug/L	97
8) Chloroethane	1.70	64	14307	1.000 ug/L	99
9) Trichlorofluoromethane	1.89	101	30034	1.054 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	16501	1.041 ug/L	98
12) 1,1-Dichloroethene	2.29	96	15170	0.989 ug/L	85
13) Acetone	2.36	43	31996	9.812 ug/L	70
14) Carbon disulfide	2.48	76	55227	1.027 ug/L	99
15) Methyl Acetate	2.63	43	7828	0.947 ug/L	94
16) Methylene chloride	2.70	84	18497	1.035 ug/L	97
17) Methyl tert-butyl Ether	3.01	73	40678	0.991 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	16304	1.007 ug/L	93
19) 1,1-Dichloroethane	3.44	63	34100	0.996 ug/L	97
21) 2-Butanone	4.31	43	44973	8.757 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	16431	0.952 ug/L	99
23) Bromochloromethane	4.55	128	6580	0.954 ug/L	93
25) Chloroform	4.67	83	31864	1.021 ug/L	96
27) 1,2-Dichloroethane	5.41	62	20876	1.031 ug/L	93
29) 1,1,1-Trichloroethane	4.91	97	25285	0.973 ug/L	99
30) Cyclohexane	4.99	56	28307	0.902 ug/L	99
31) Carbon tetrachloride	5.13	117	20809	0.954 ug/L	96
33) Benzene	5.39	78	65696	0.952 ug/L	100
34) Trichloroethene	6.18	95	17357	1.005 ug/L	96
35) Methylcyclohexane	6.41	83	24921	0.904 ug/L	97
37) 1,2-Dichloropropane	6.43	63	18041	0.950 ug/L	99
38) Bromodichloromethane	6.76	83	21988	0.992 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	23087	0.909 ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	107219	9.051 ug/L	97

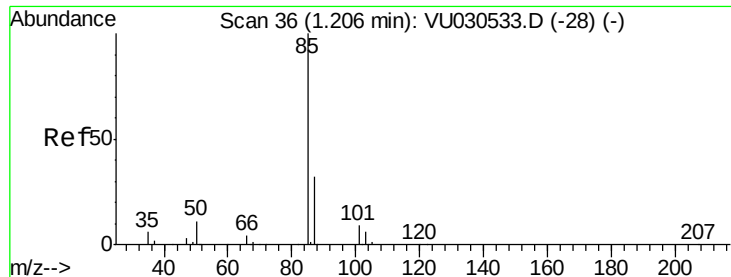
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032919\
 Data File : VU030532.D
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Quant Time: Mar 30 00:09:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 30 00:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	64924	0.938	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	18730	0.953	ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	11421	1.009	ug/L	97
47) Tetrachloroethene	8.22	164	11931	0.985	ug/L	94
48) 2-Hexanone	8.37	43	70932	8.642	ug/L	97
49) Dibromochloromethane	8.48	129	12612	0.931	ug/L	94
50) 1,2-Dibromoethane	8.59	107	10020	0.949	ug/L	100
51) Chlorobenzene	9.12	112	41266	0.967	ug/L	96
52) Ethylbenzene	9.25	91	67057	0.909	ug/L	99
53) m,p-Xylene	9.37	106	21862	0.848	ug/L	97
54) o-Xylene	9.78	106	22337	0.884	ug/L	99
55) Styrene	9.79	104	36478	0.855	ug/L	93
56) Isopropylbenzene	10.16	105	61018	0.903	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	14503	0.963	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	10401	0.980	ug/L	97
61) Bromoform	9.96	173	6789	1.019	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	28205	1.016	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	29017	0.998	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	26447	0.980	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	2068	0.990	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	20320	0.981	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	13901	0.869	ug/L #	93
69) Naphthalene	13.75	128	20073	0.782	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	13786	0.925	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.993 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

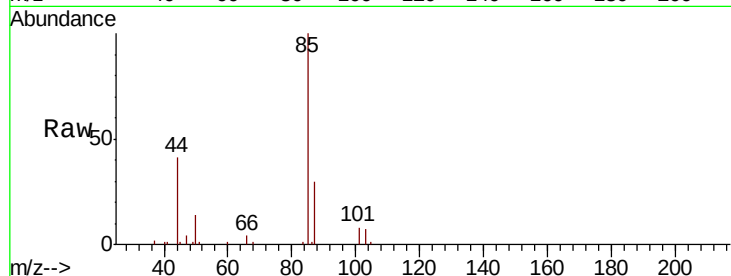
VSTD00102

Tot Ion: 85 Resp: 23246

Ion Ratio Lower Upper

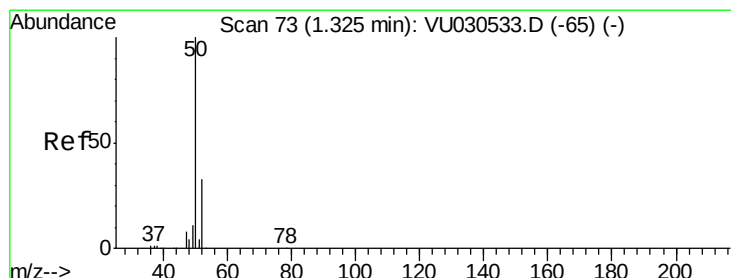
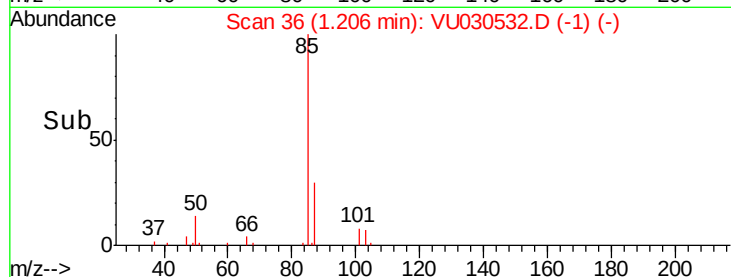
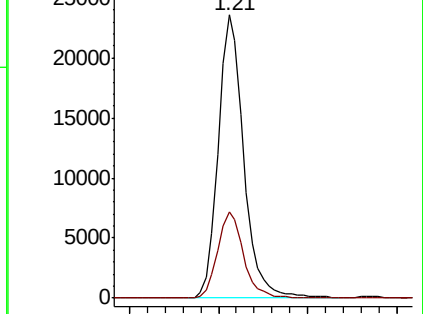
85 100

87 30.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU030533.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030533.D (-28) (-)



#3

Chloromethane

Concen: 1.002 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030532.D

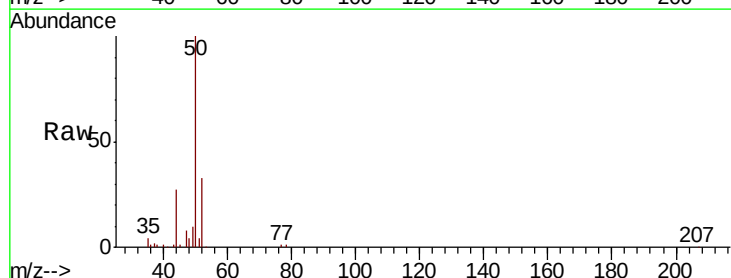
Acq: 29 Mar 2019 09:30

Tgt Ion: 50 Resp: 27507

Ion Ratio Lower Upper

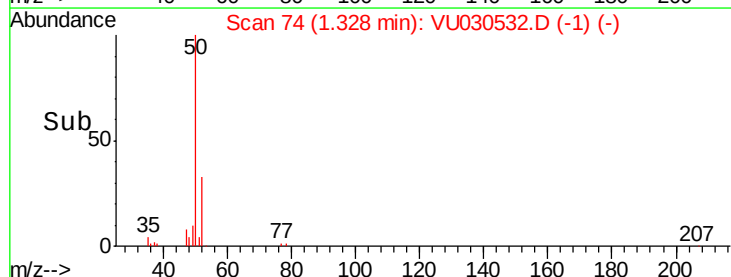
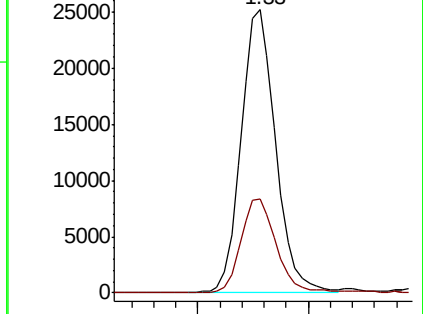
50 100

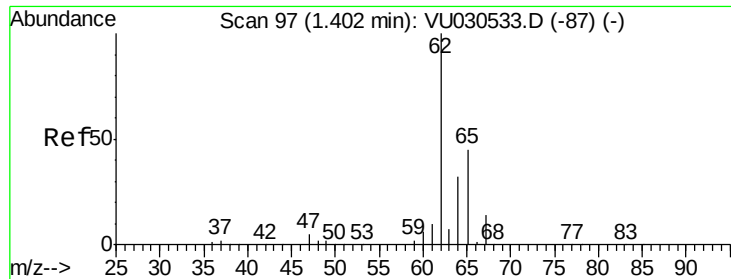
52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU030533.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU030533.D (-65) (-)





#5

Vinyl chloride

Concen: 0.997 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

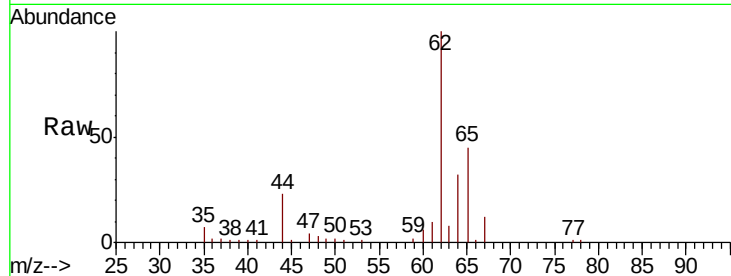
VSTD00102

Tot Ion: 62 Resp: 25063

Ion Ratio Lower Upper

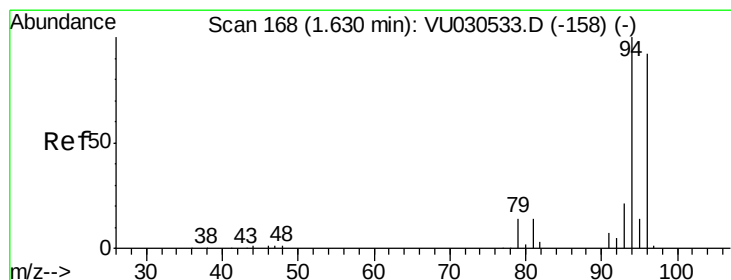
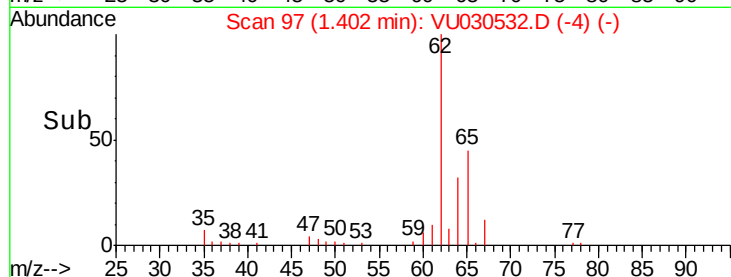
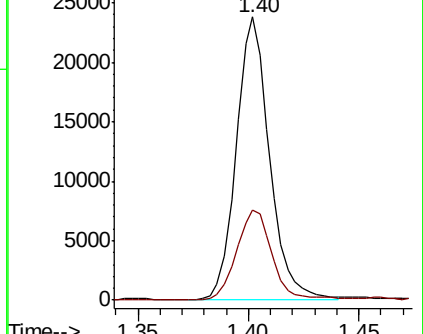
62 100

64 32.0 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.991 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU030532.D

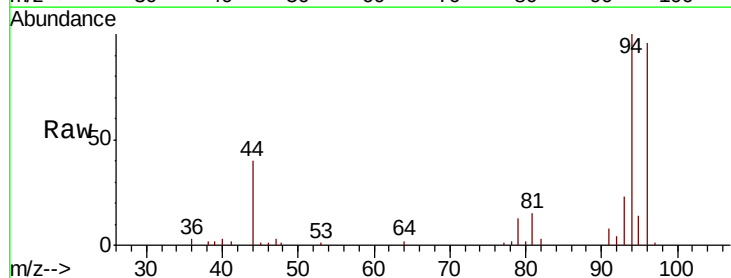
Acq: 29 Mar 2019 09:30

Tgt Ion: 94 Resp: 12195

Ion Ratio Lower Upper

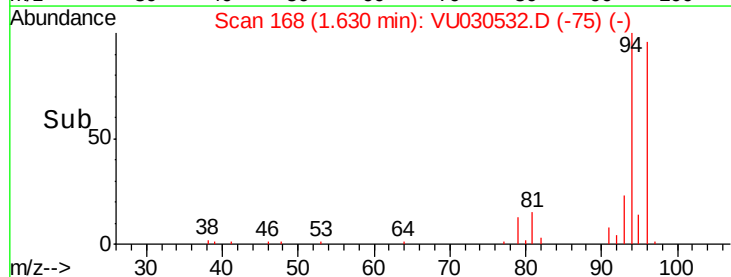
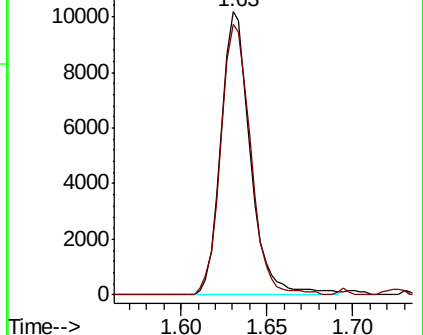
94 100

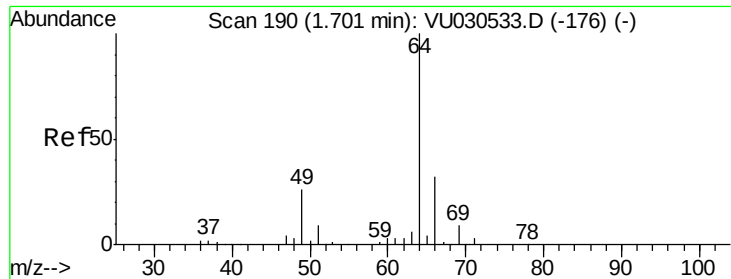
96 95.6 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.000 ug/L

RT: 1.70 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

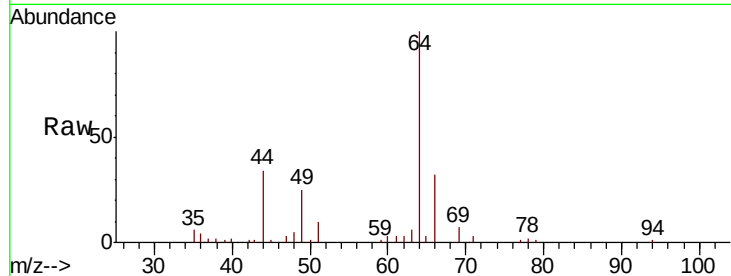
VSTD00102

Tot Ion: 64 Resp: 14307

Ion Ratio Lower Upper

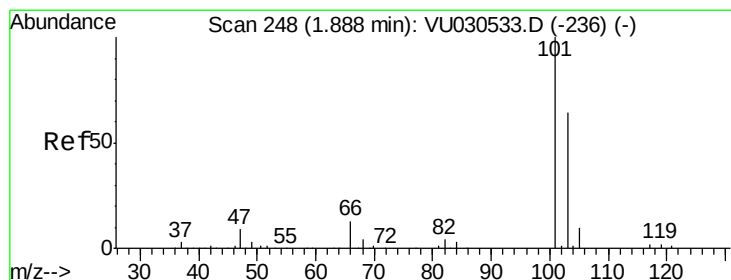
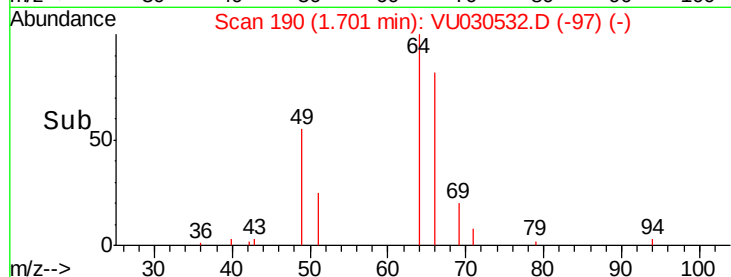
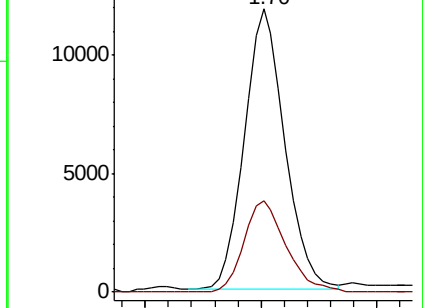
64 100

66 32.4 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU030533.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU030533.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 1.054 ug/L

RT: 1.89 min Scan# 248

Delta R.T. -0.00 min

Lab File: VU030532.D

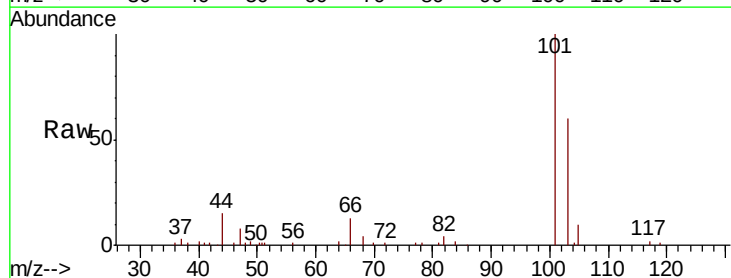
Acq: 29 Mar 2019 09:30

Tgt Ion:101 Resp: 30034

Ion Ratio Lower Upper

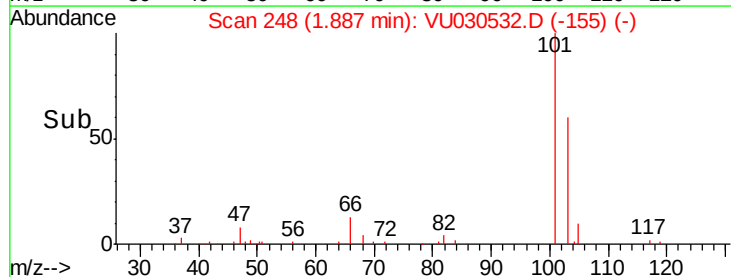
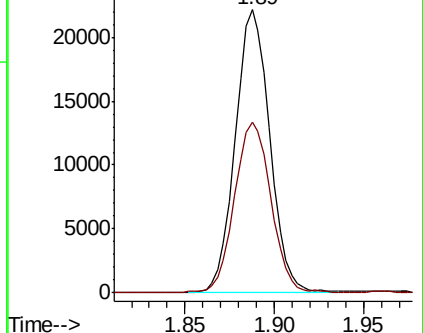
101 100

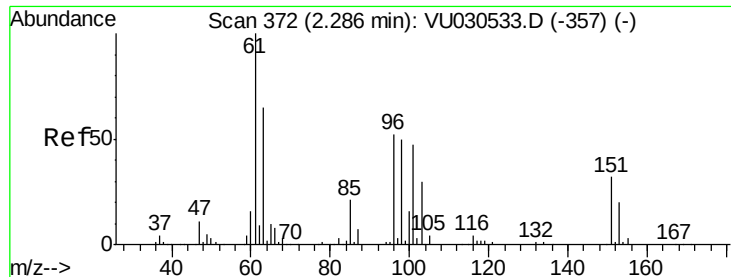
103 63.4 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU030533.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU030533.D (-236) (-)





#10

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

Concen: 1.041 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

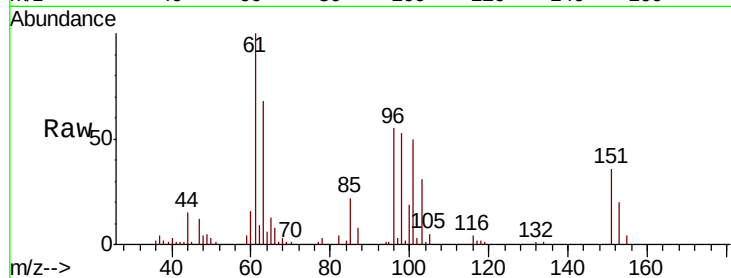
Tot Ion:101 Resp: 16501

Ion Ratio Lower Upper

101 100

85 44.9 35.3 52.9

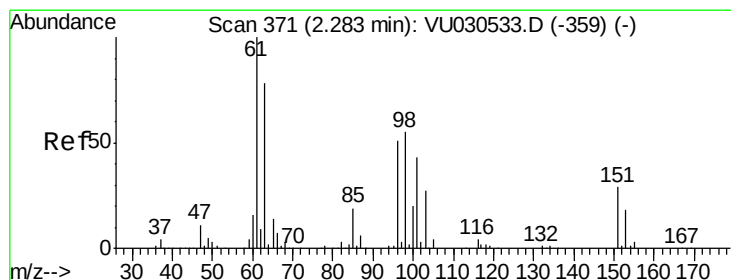
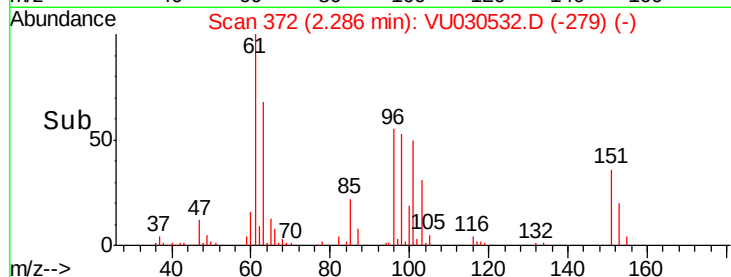
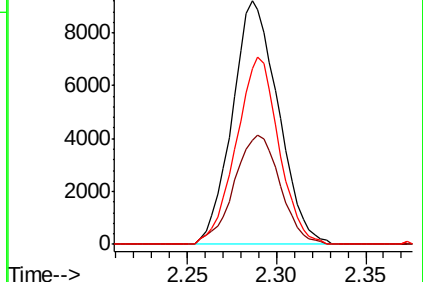
151 71.6 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.989 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

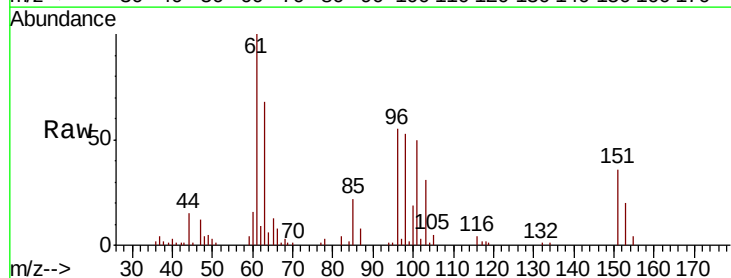
Tgt Ion: 96 Resp: 15170

Ion Ratio Lower Upper

96 100

61 182.9 136.9 254.3

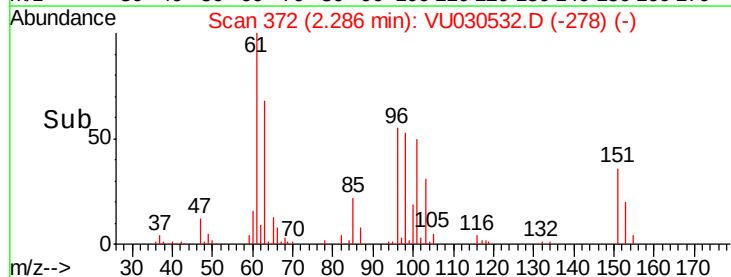
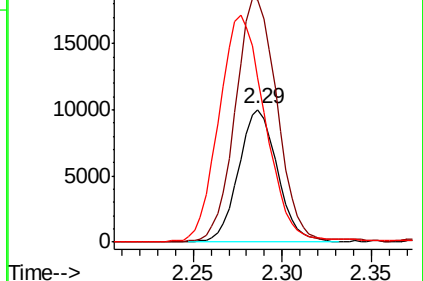
63 124.3 107.7 200.1

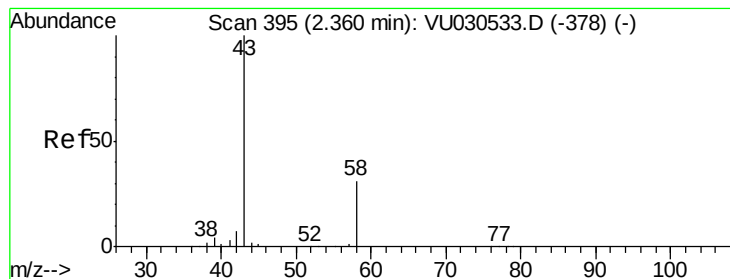


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.812 ug/L

RT: 2.36 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

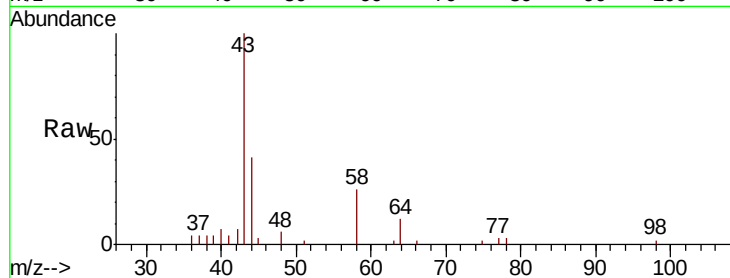
VSTD00102

Tot Ion: 43 Resp: 31996

Ion Ratio Lower Upper

43 100

58 14.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030533.D (-378) (-)

Ion 58.05 (57.75 to 58.75): VU030533.D (-378) (-)

2.36

8000

6000

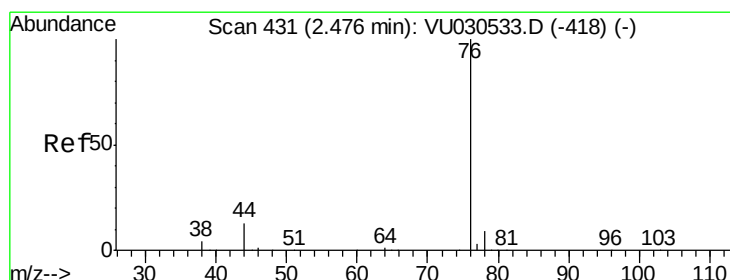
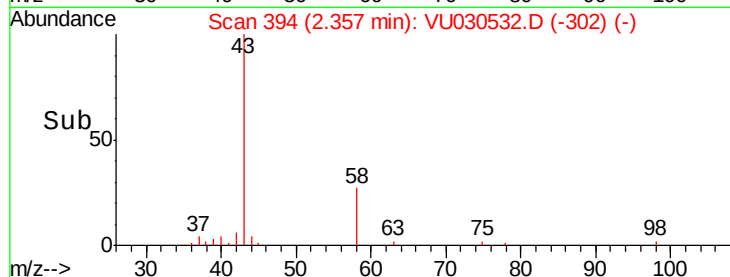
4000

2000

0

Time-->

2.30 2.40 2.50



#14

Carbon disulfide

Concen: 1.027 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VU030532.D

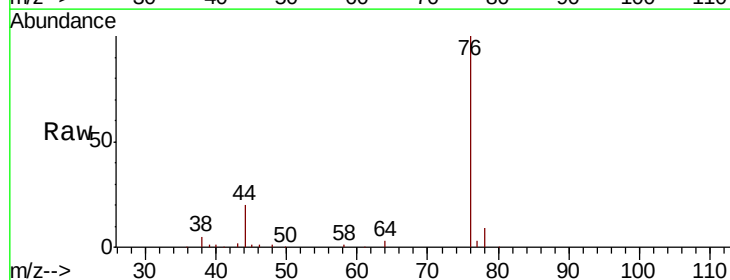
Acq: 29 Mar 2019 09:30

Tgt Ion: 76 Resp: 55227

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU030533.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030533.D (-418) (-)

2.48

40000

30000

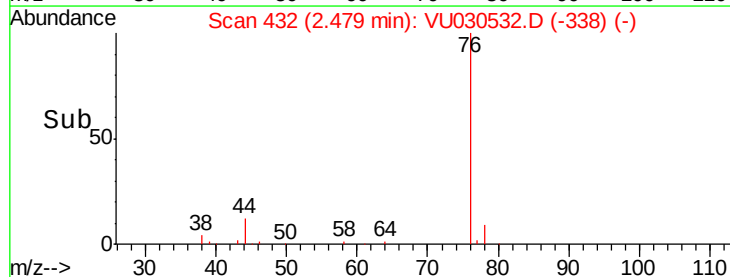
20000

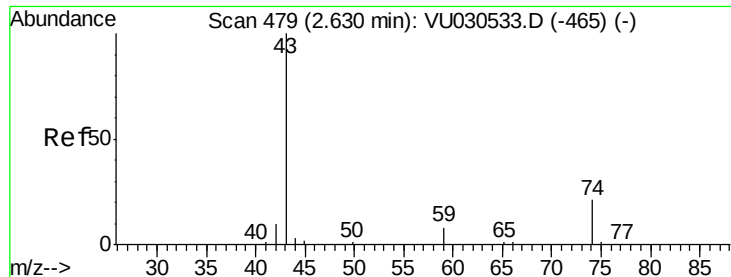
10000

0

Time-->

2.40 2.45 2.50 2.55

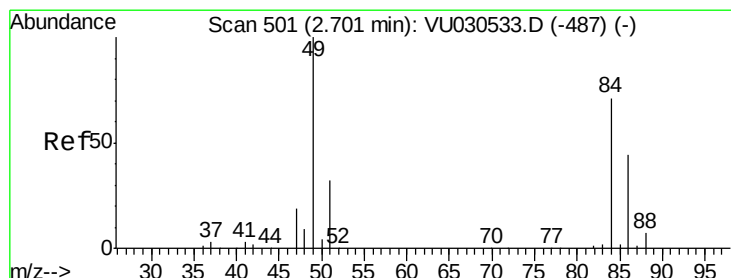
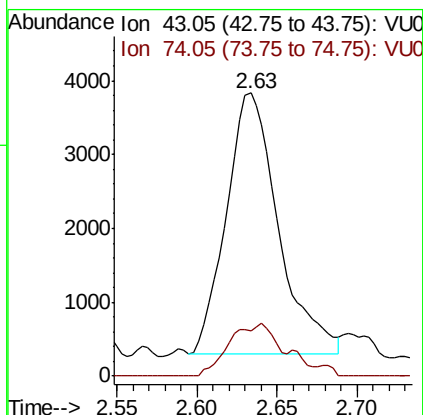
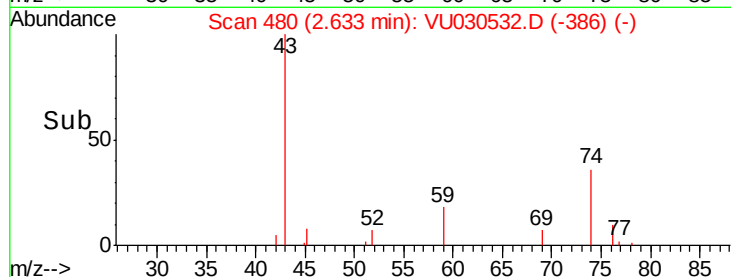
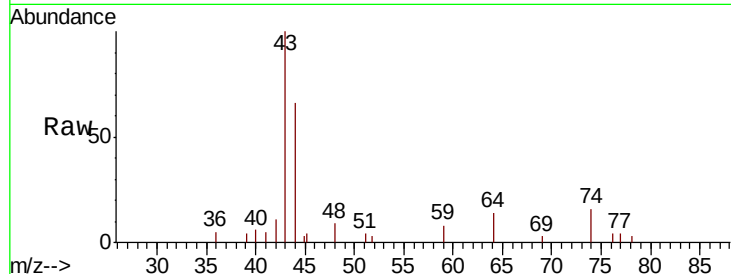




#15
Methyl Acetate
Concen: 0.947 ug/L
RT: 2.63 min Scan# 480
Delta R.T. 0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

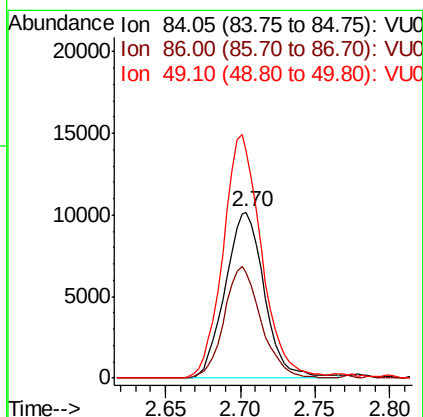
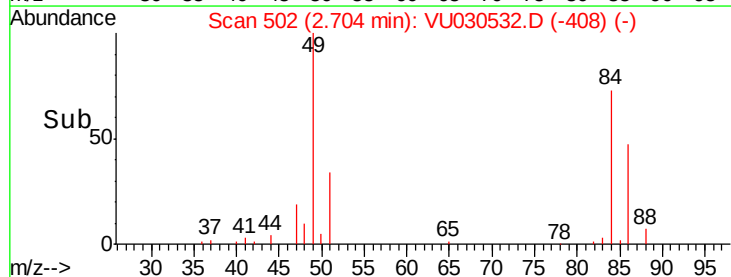
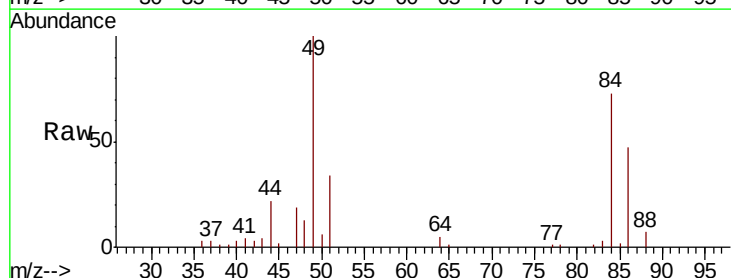
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

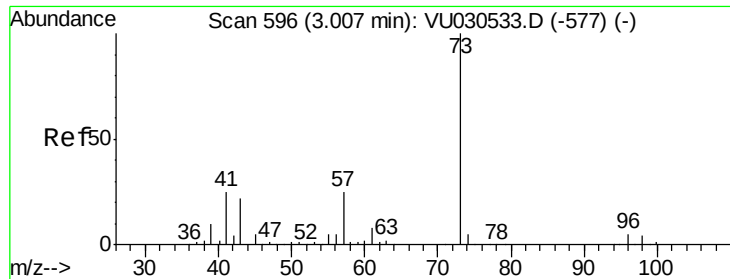
Tot Ion: 43 Resp: 7828
Ion Ratio Lower Upper
43 100
74 18.6 17.1 25.7



#16
Methylene chloride
Concen: 1.035 ug/L
RT: 2.70 min Scan# 502
Delta R.T. 0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Tgt Ion: 84 Resp: 18497
Ion Ratio Lower Upper
84 100
86 64.0 43.4 80.6
49 137.2 98.5 182.9

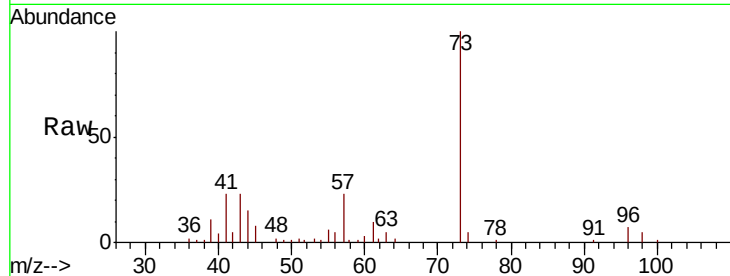




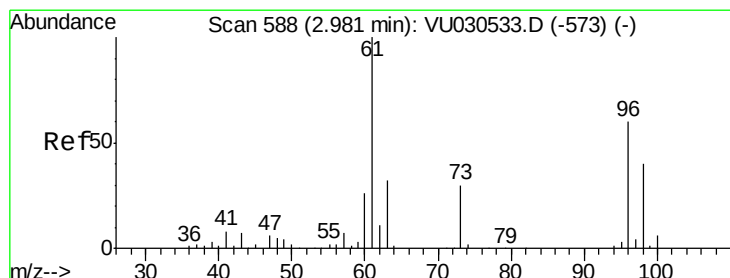
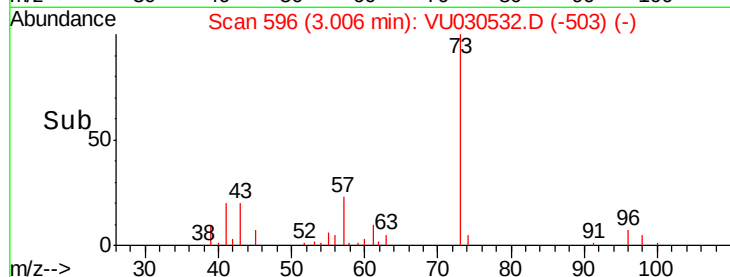
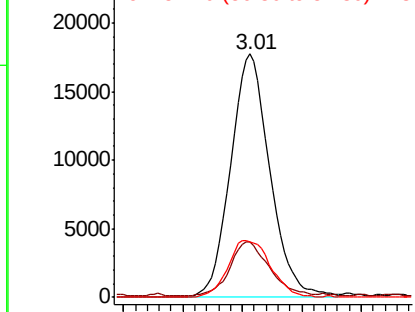
#17
Methyl tert-butyl Ether
Concen: 0.991 ug/L
RT: 3.01 min Scan# 596
Delta R.T. -0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion: 73 Resp: 40678
Ion Ratio Lower Upper
73 100
43 21.7 17.0 25.4
57 25.2 19.4 29.2

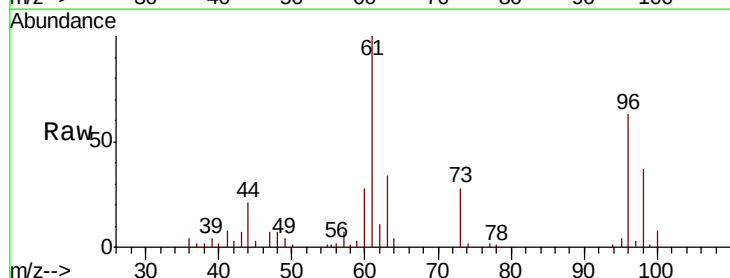


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

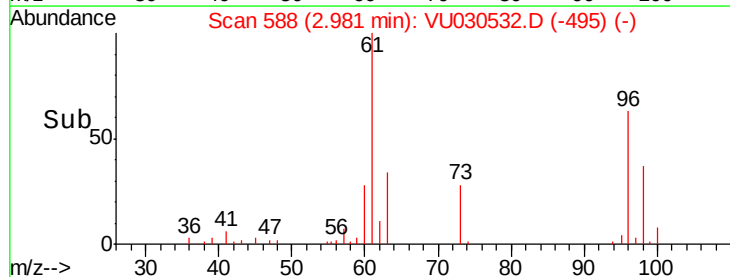
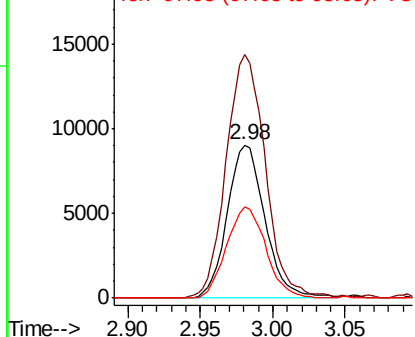


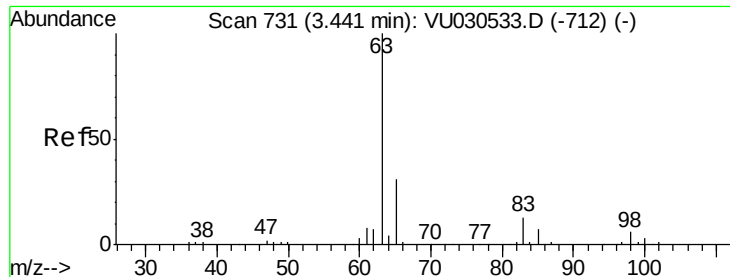
#18
trans-1,2-Dichloroethene
Concen: 1.007 ug/L
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Tgt Ion: 96 Resp: 16304
Ion Ratio Lower Upper
96 100
61 159.3 116.8 216.8
98 59.5 46.8 87.0



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

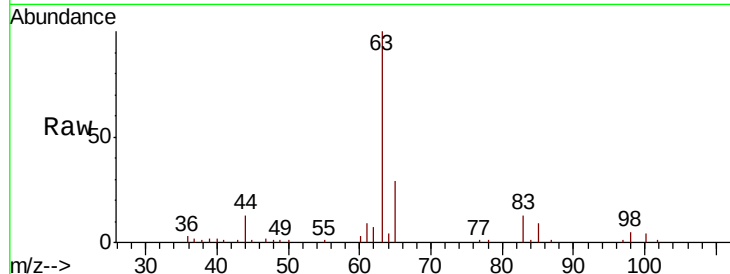




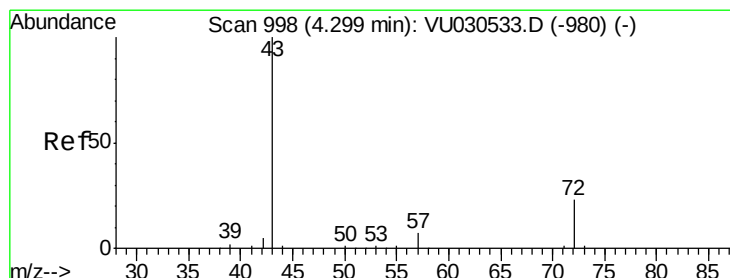
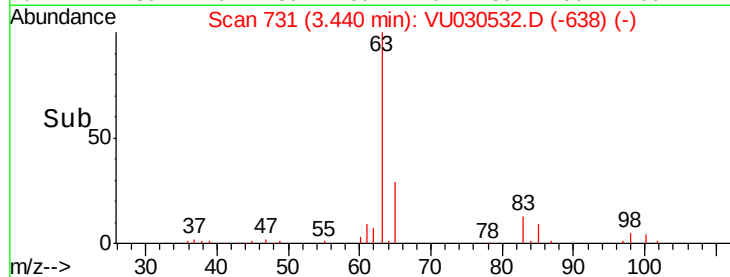
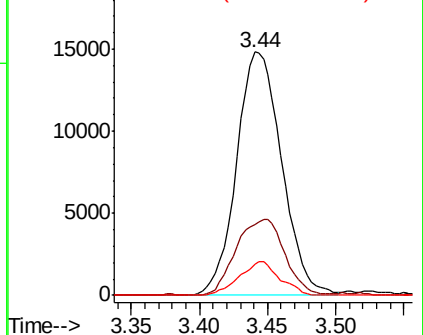
#19
 1,1-Dichloroethane
 Concen: 0.996 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tot Ion: 63 Resp: 34100
 Ion Ratio Lower Upper
 63 100
 65 29.1 21.6 40.0
 83 12.5 9.1 16.9

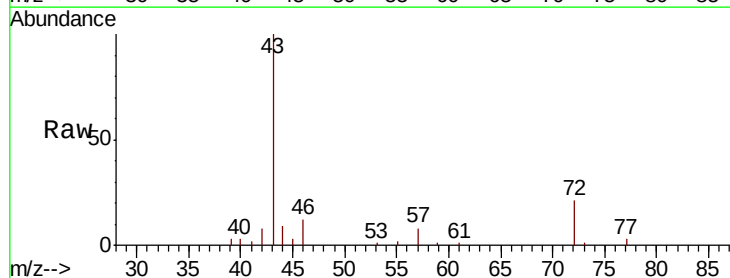


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

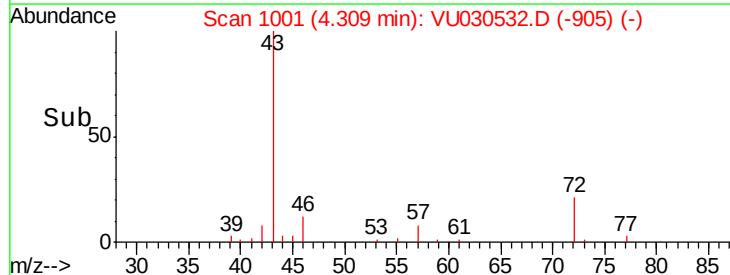
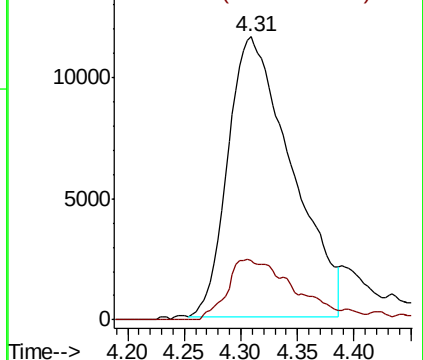


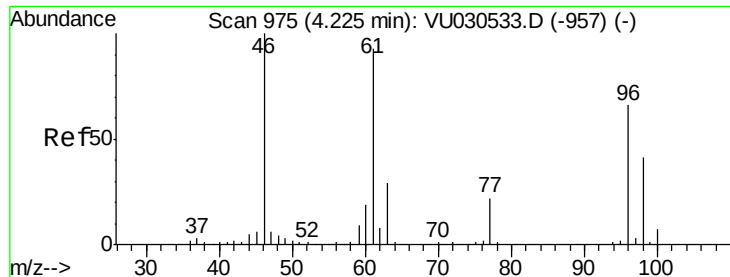
#21
 2-Butanone
 Concen: 8.757 ug/L
 RT: 4.31 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Tgt Ion: 43 Resp: 44973
 Ion Ratio Lower Upper
 43 100
 72 22.3 11.2 33.5



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



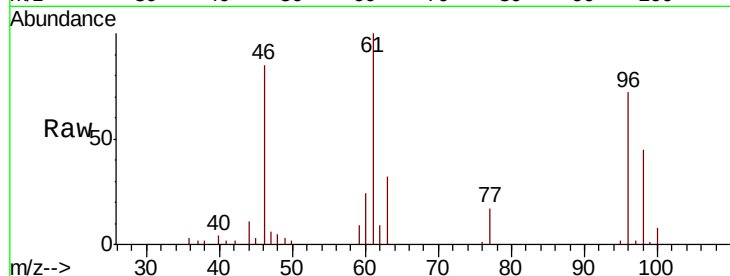


#22

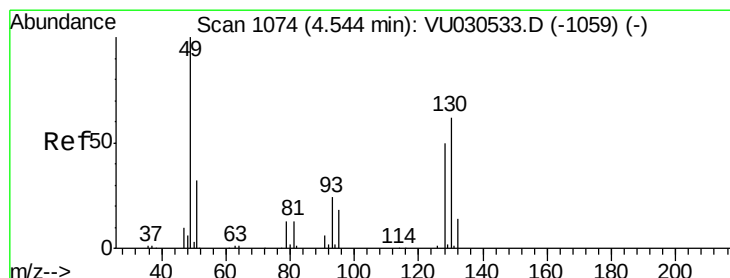
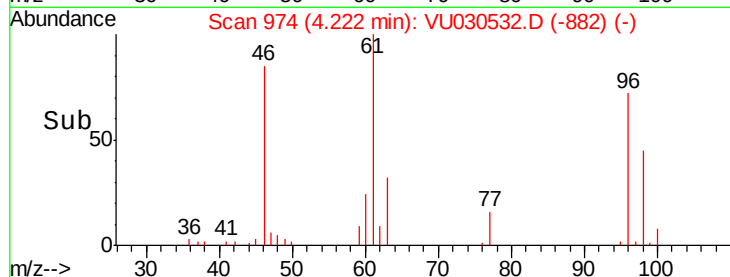
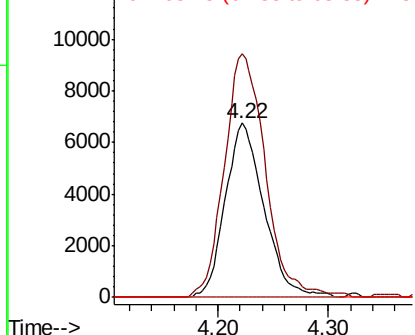
cis-1,2-Dichloroethene
Concen: 0.952 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Instrument :
MSVOA_U
ClientSampled :
VSTD00102

Tot Ion: 96 Resp: 16431
Ion Ratio Lower Upper
96 100
61 139.8 98.9 183.7
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

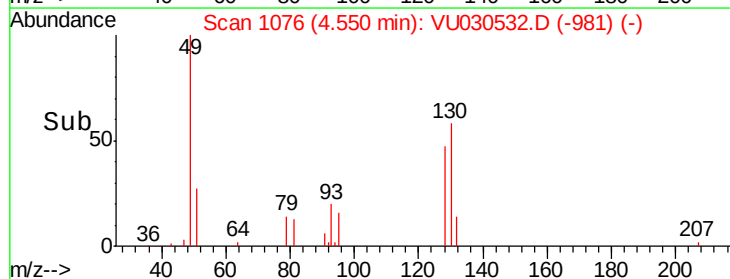
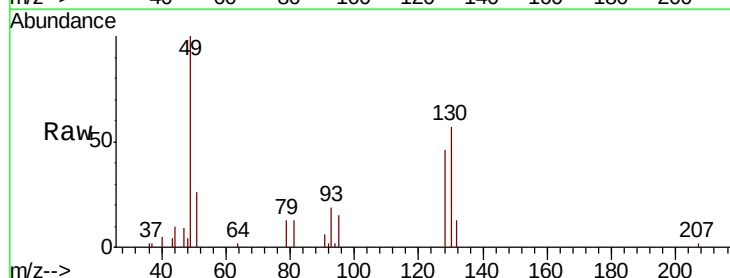
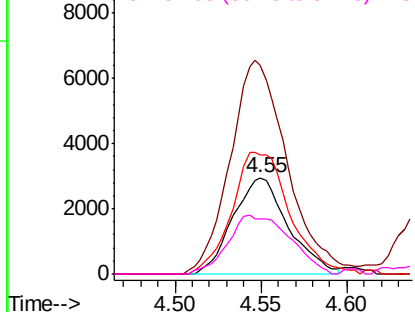


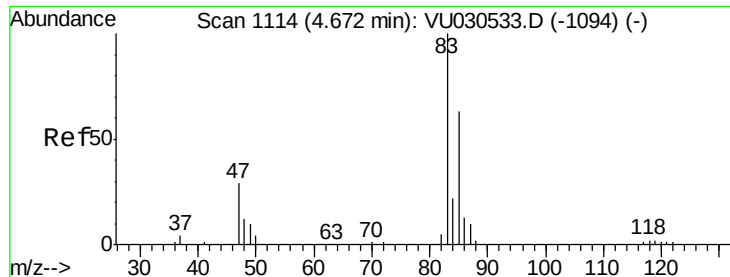
#23

Bromochloromethane
Concen: 0.954 ug/L
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Tgt Ion: 128 Resp: 6580
Ion Ratio Lower Upper
128 100
49 216.3 140.6 261.2
130 123.6 87.3 162.1
51 57.3 51.8 77.6

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: 1.021 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

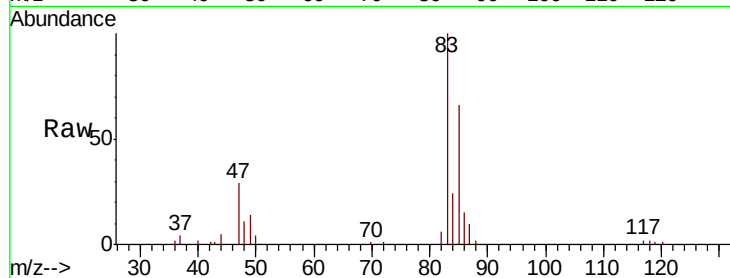
VSTD00102

Tot Ion: 83 Resp: 31864

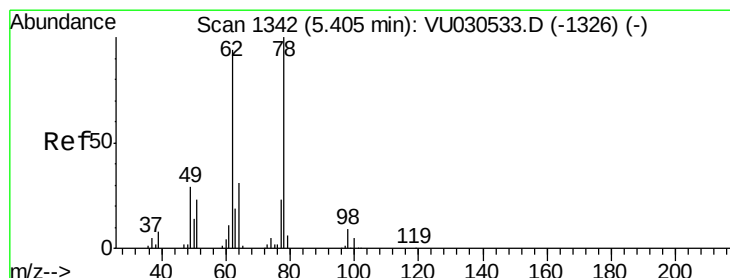
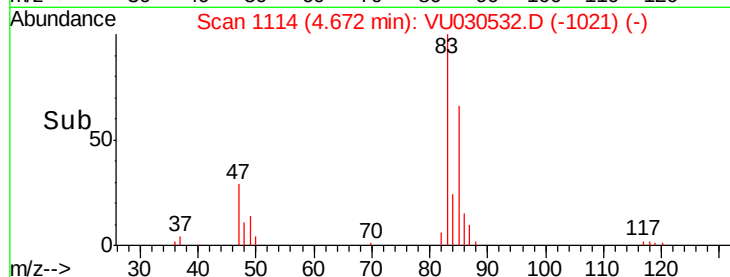
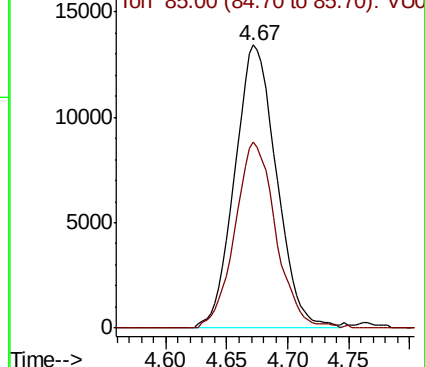
Ion Ratio Lower Upper

83 100

85 66.0 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VU030533.D (-1094) (-)



#27

1,2-Dichloroethane

Concen: 1.031 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VU030532.D

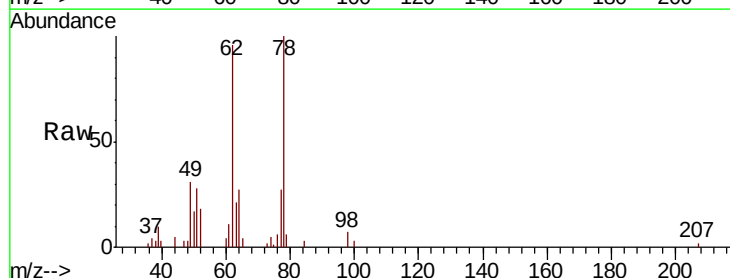
Acq: 29 Mar 2019 09:30

Tgt Ion: 62 Resp: 20876

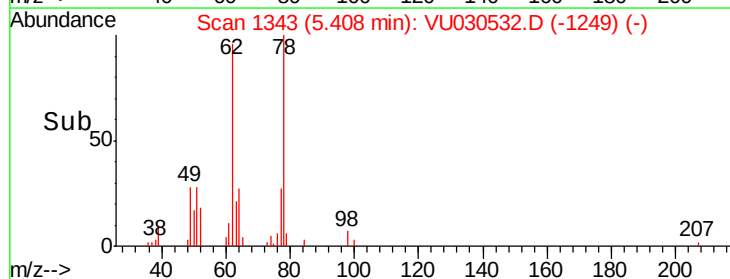
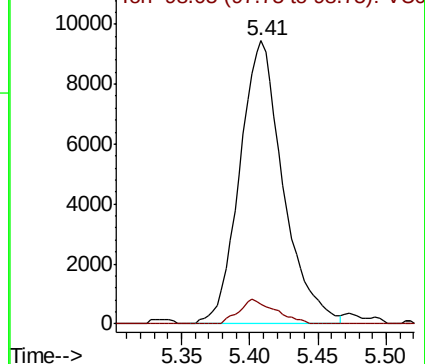
Ion Ratio Lower Upper

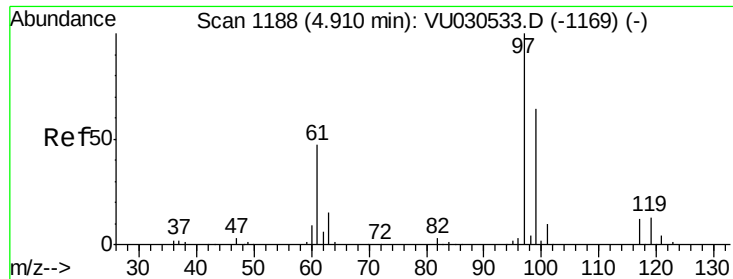
62 100

98 6.9 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU030533.D (-1326) (-)

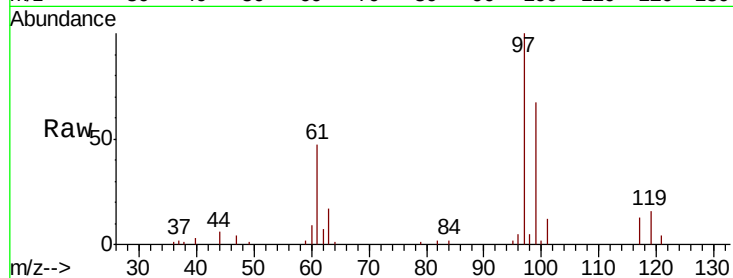




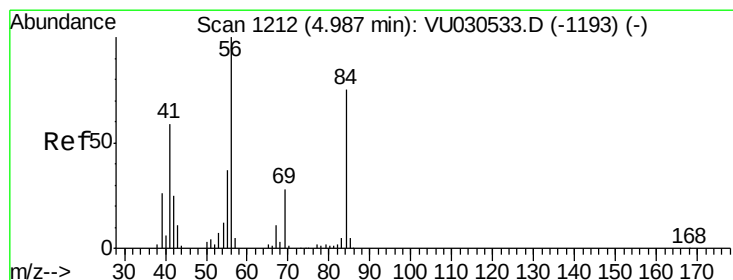
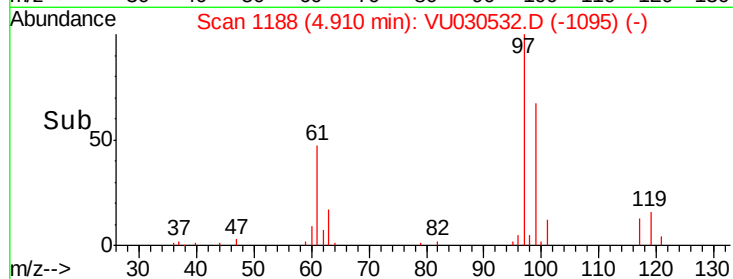
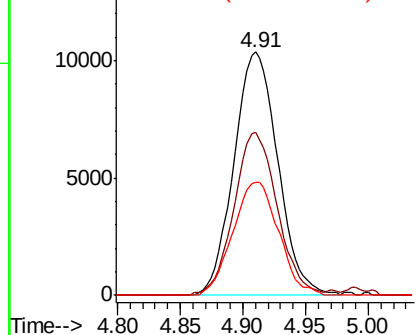
#29
 1,1,1-Trichloroethane
 Concen: 0.973 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tot Ion: 97 Resp: 25285
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.8 77.6
 61 48.3 38.1 57.1

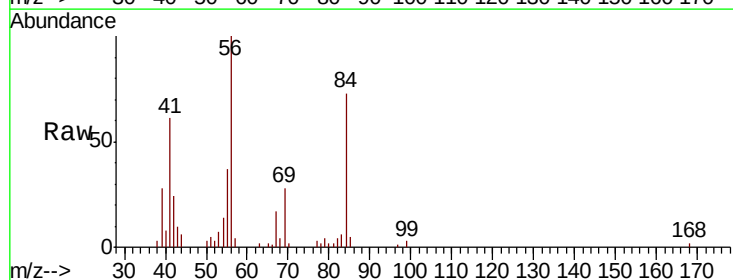


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

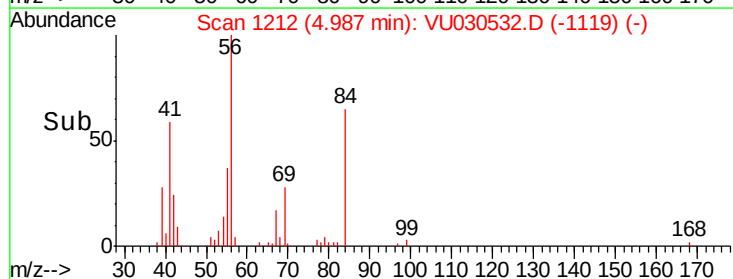
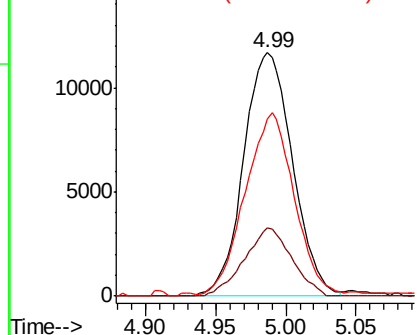


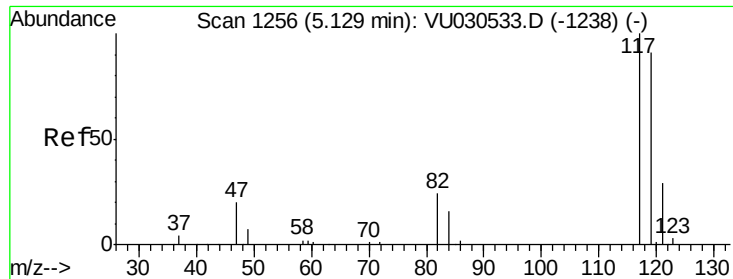
#30
 Cyclohexane
 Concen: 0.902 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Tgt Ion: 56 Resp: 28307
 Ion Ratio Lower Upper
 56 100
 69 27.2 22.3 33.5
 84 73.5 58.3 87.5



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: 0.954 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

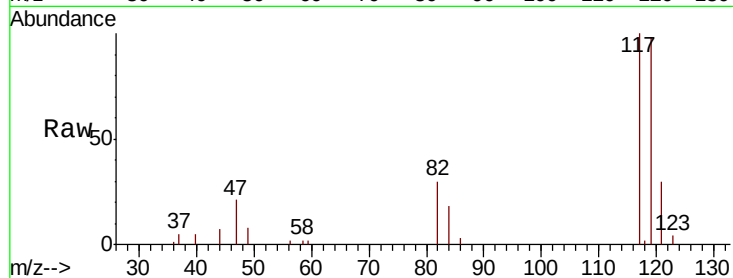
VSTD00102

Tot Ion:117 Resp: 20809

Ion Ratio Lower Upper

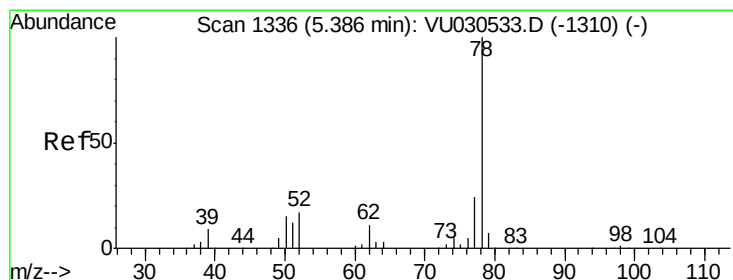
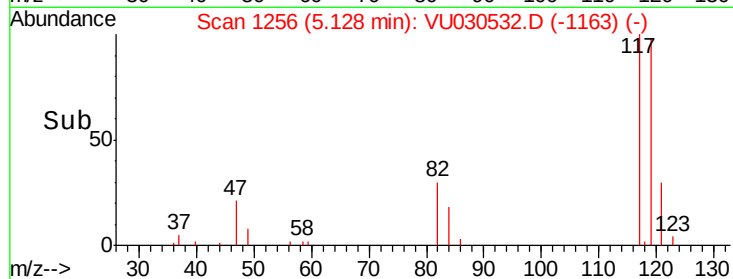
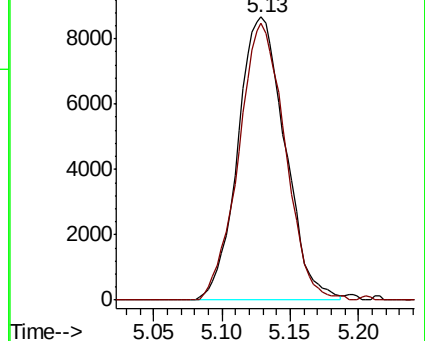
117 100

119 96.0 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.952 ug/L

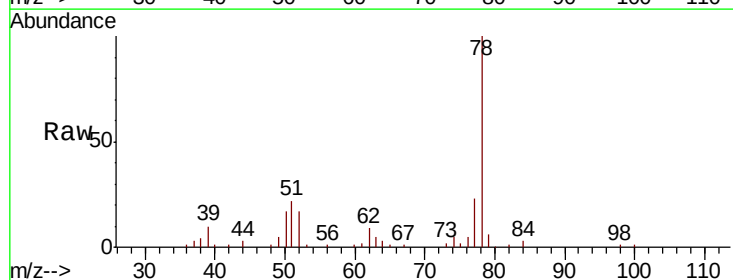
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

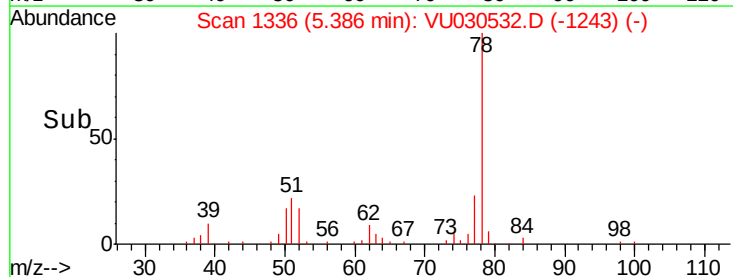
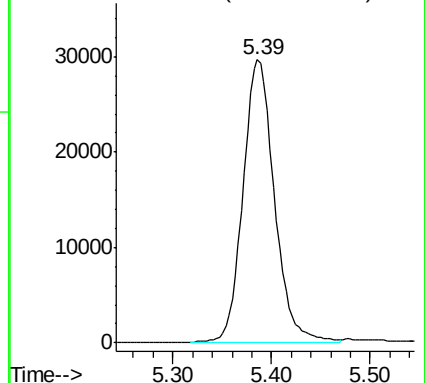
Lab File: VU030532.D

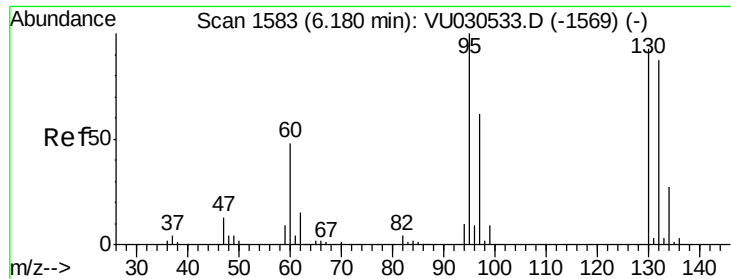
Acq: 29 Mar 2019 09:30

Tgt Ion: 78 Resp: 65696



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.005 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

Tot Ion: 95 Resp: 17357

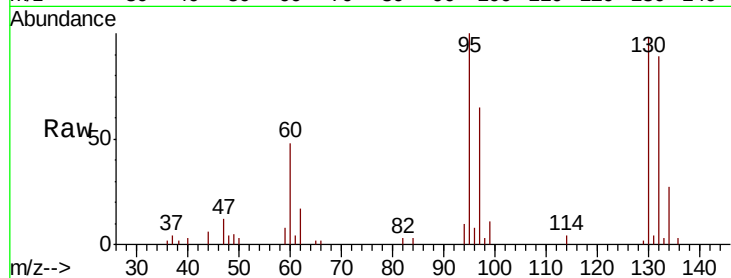
Ion Ratio Lower Upper

95 100

97 64.6 43.5 80.9

132 89.3 60.7 112.7

130 97.9 65.1 120.9

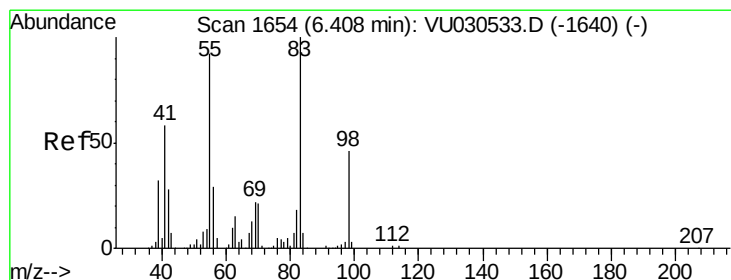
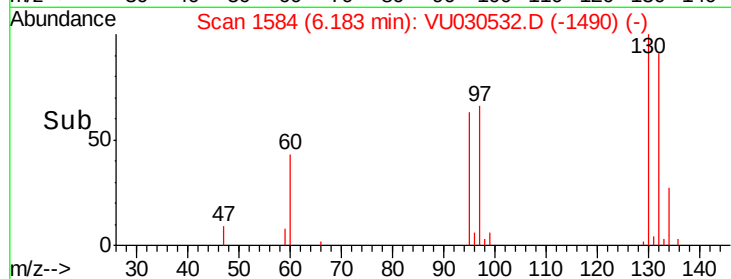
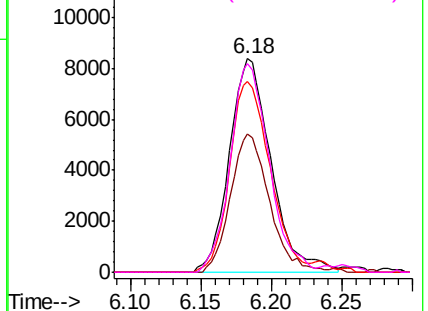


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.904 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

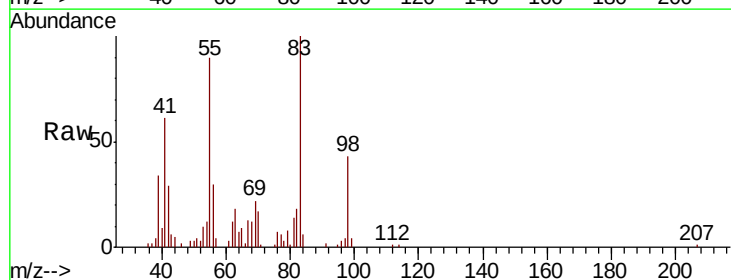
Tgt Ion: 83 Resp: 24921

Ion Ratio Lower Upper

83 100

55 93.7 72.6 108.8

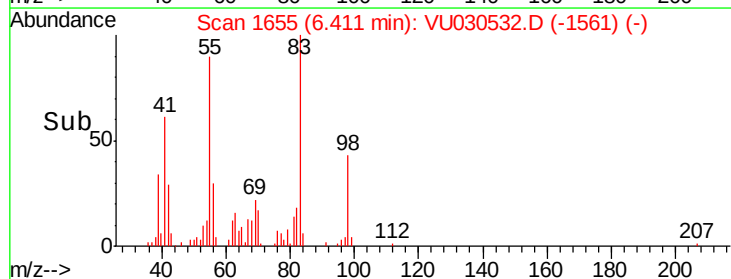
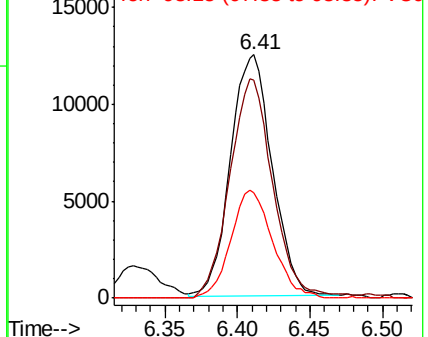
98 44.6 35.0 52.6

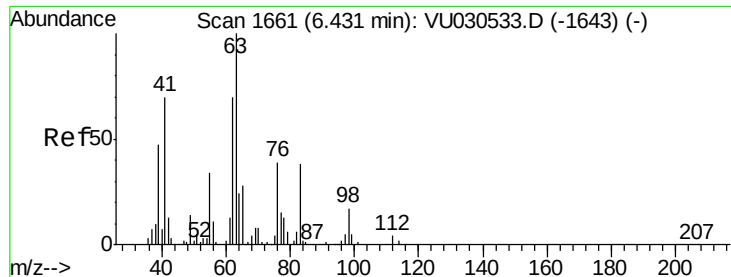


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

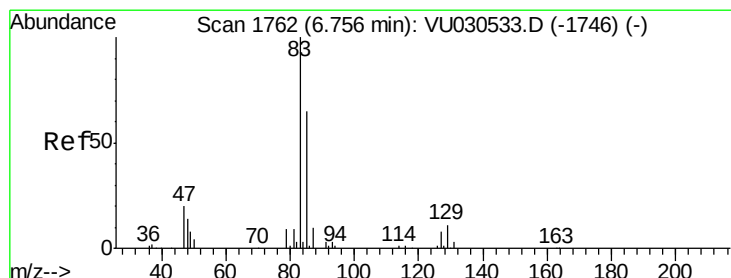
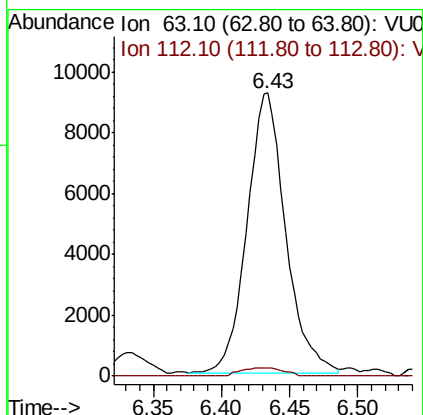
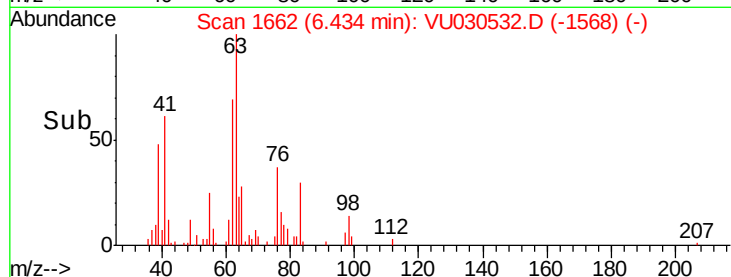
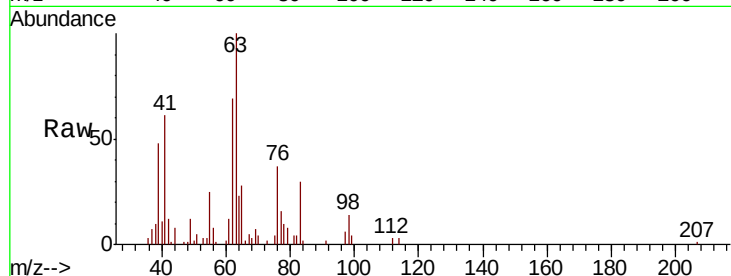




#37
 1,2-Dichloropropane
 Concen: 0.950 ug/L
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

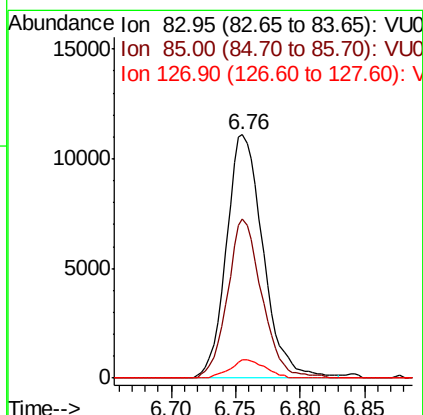
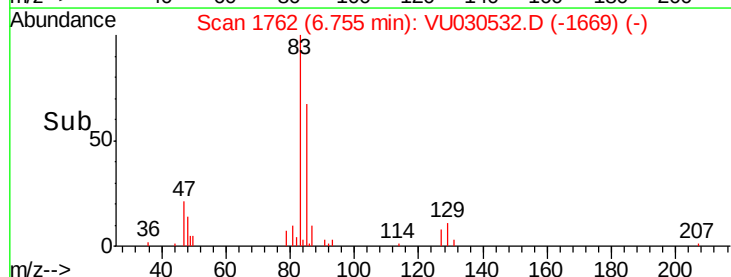
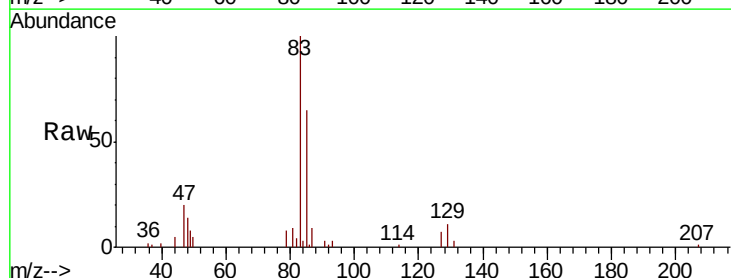
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

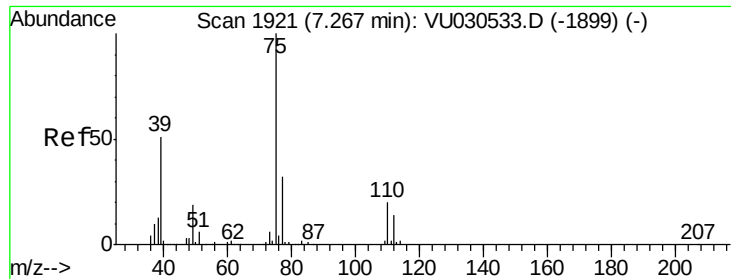
Tot Ion: 63 Resp: 18041
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.8 4.2



#38
 Bromodichloromethane
 Concen: 0.992 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Tgt Ion: 83 Resp: 21988
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.1 83.9
 127 7.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 0.909 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

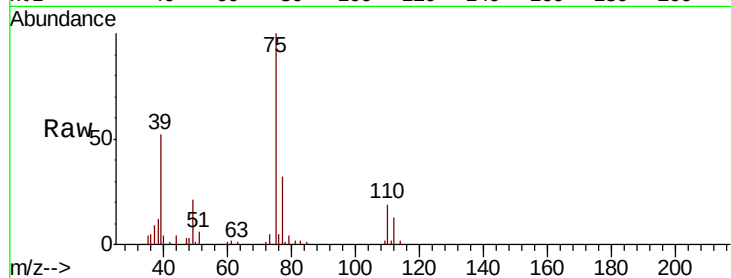
VSTD00102

Tot Ion: 75 Resp: 23087

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU030533.D (-1899) (-)

Ion 77.05 (76.75 to 77.75): VU030533.D (-1899) (-)

7.27

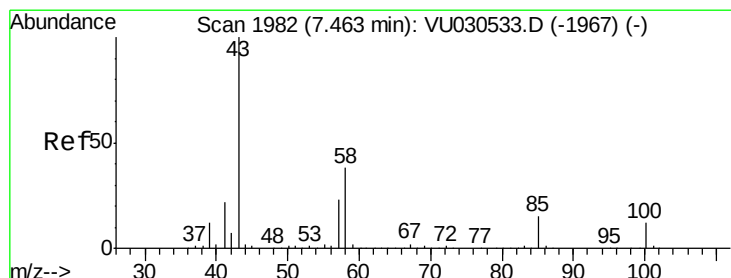
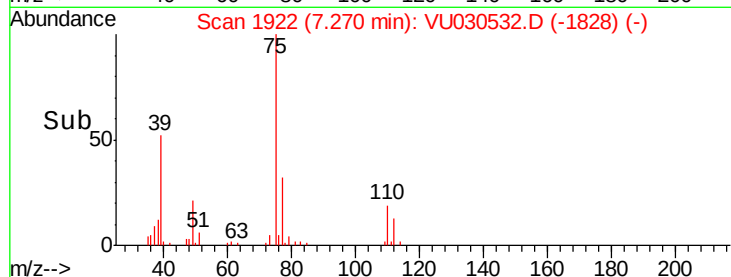
10000

5000

0

7.20 7.25 7.30 7.35

Time-->



#40

4-Methyl-2-pentanone

Concen: 9.051 ug/L

RT: 7.47 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

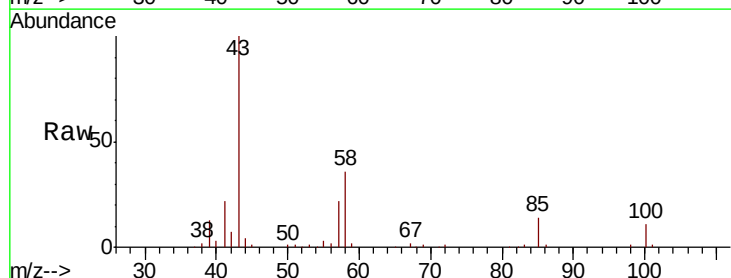
Tgt Ion: 43 Resp: 107219

Ion Ratio Lower Upper

43 100

58 35.1 29.4 44.2

100 10.7 9.2 13.8



Abundance Ion 43.05 (42.75 to 43.75): VU030533.D (-1967) (-)

Ion 58.05 (57.75 to 58.75): VU030533.D (-1967) (-)

Ion 100.15 (99.85 to 100.85): VU030533.D (-1967) (-)

7.47

60000

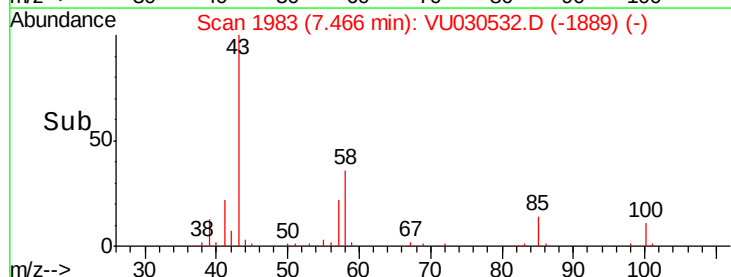
40000

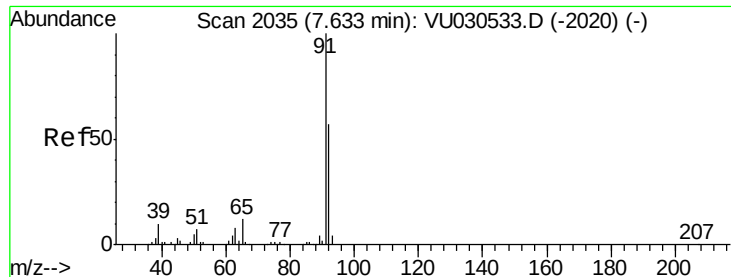
20000

0

7.40 7.45 7.50 7.55 7.60

Time-->





#42

Toluene

Concen: 0.938 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

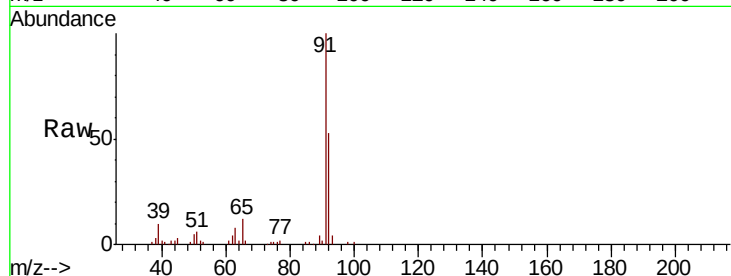
VSTD00102

Tot Ion: 91 Resp: 64924

Ion Ratio Lower Upper

91 100

92 53.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU030533.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU030533.D (-2020) (-)

7.63

40000

30000

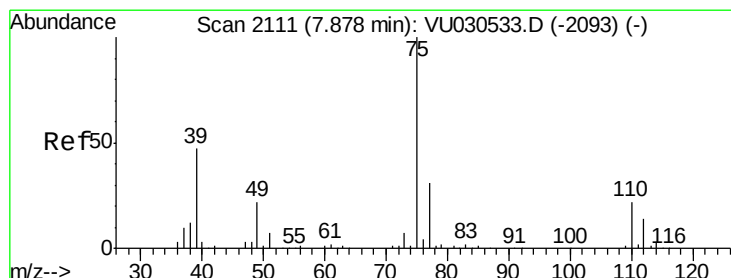
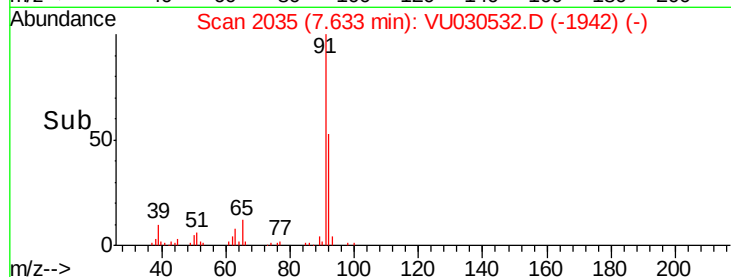
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.953 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU030532.D

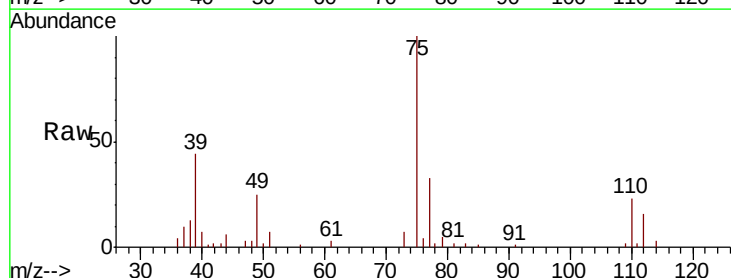
Acq: 29 Mar 2019 09:30

Tgt Ion: 75 Resp: 18730

Ion Ratio Lower Upper

75 100

77 33.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU030533.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU030533.D (-2093) (-)

7.88

10000

8000

6000

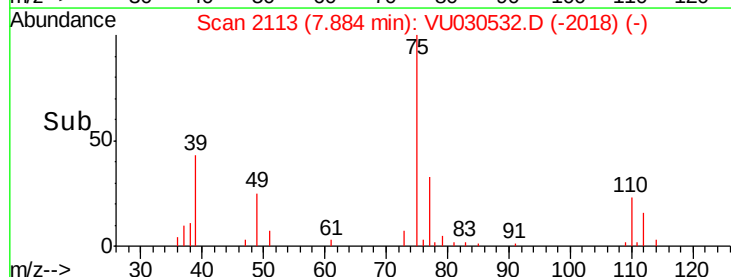
4000

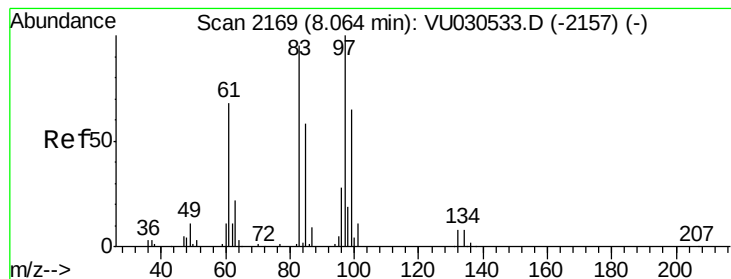
2000

0

7.80 7.85 7.90 7.95 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 1.009 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

Tot Ion: 97 Resp: 11421

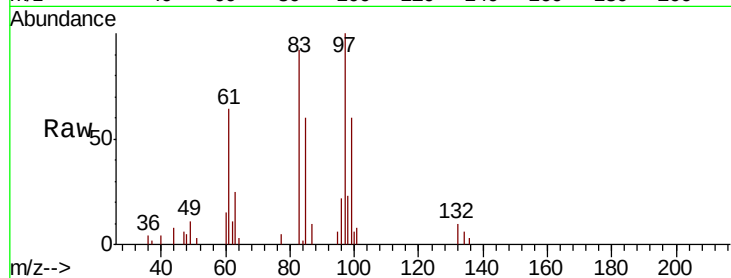
Ion Ratio Lower Upper

97 100

99 60.0 45.3 84.1

83 92.2 66.5 123.5

85 59.5 41.2 76.4

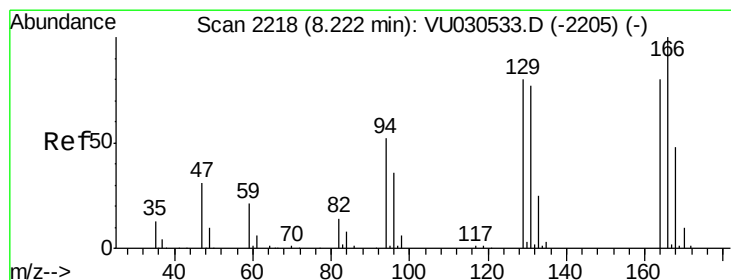
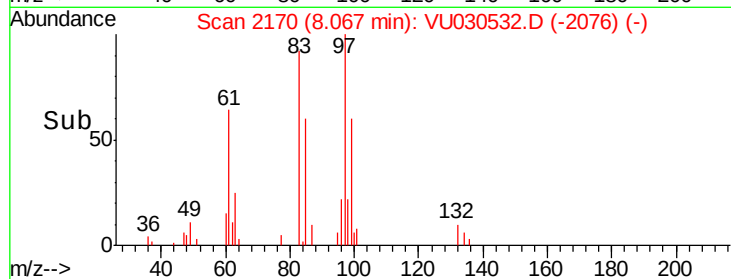
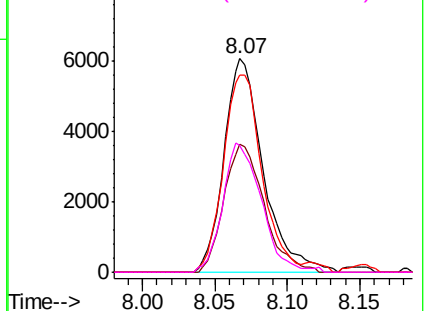


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.985 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Tgt Ion: 164 Resp: 11931

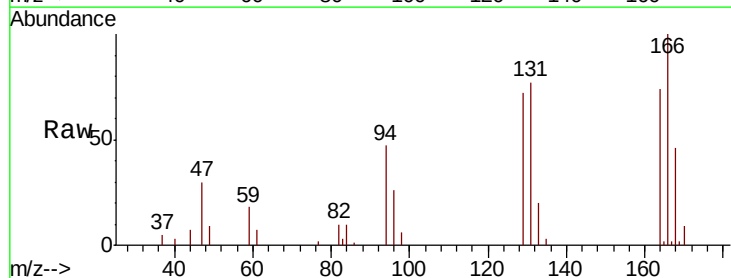
Ion Ratio Lower Upper

164 100

129 97.9 70.1 130.1

131 104.1 67.8 125.8

166 135.6 87.9 163.3

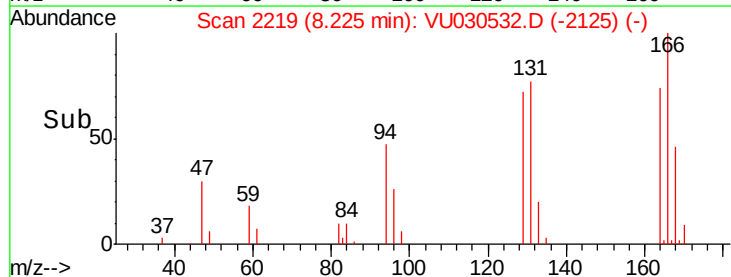
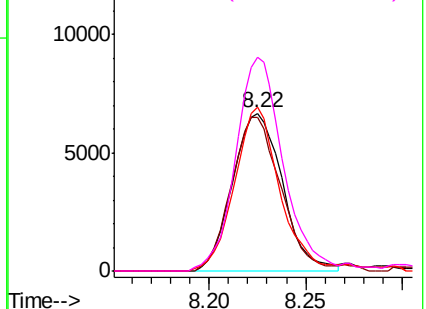


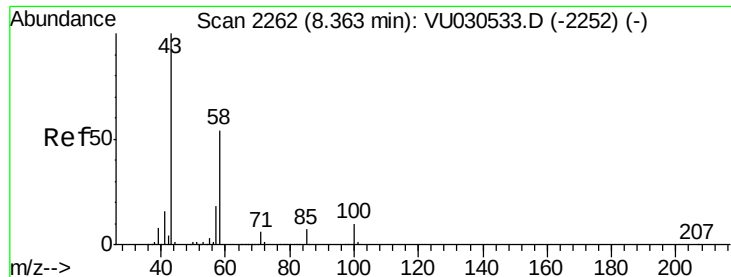
Abundance Ion 163.90 (163.60 to 164.60): V

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

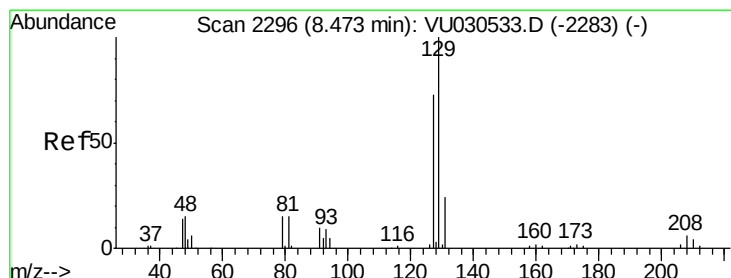
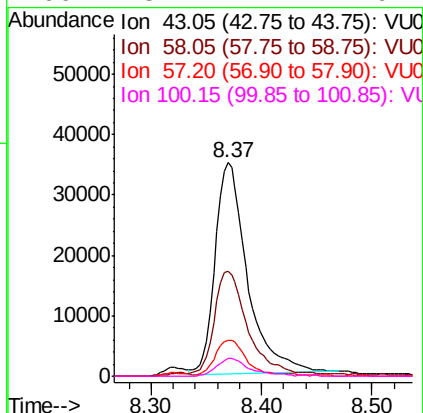
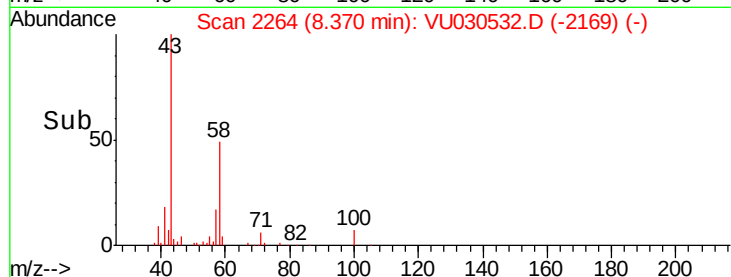
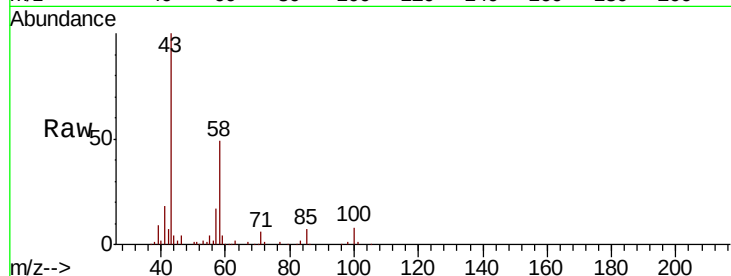




#48
2-Hexanone
Concen: 8.642 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

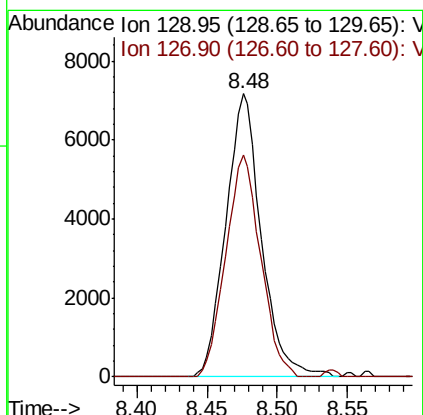
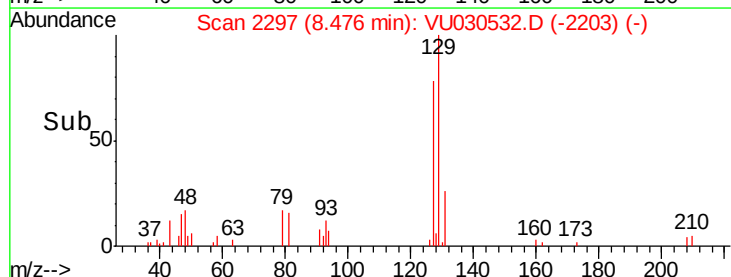
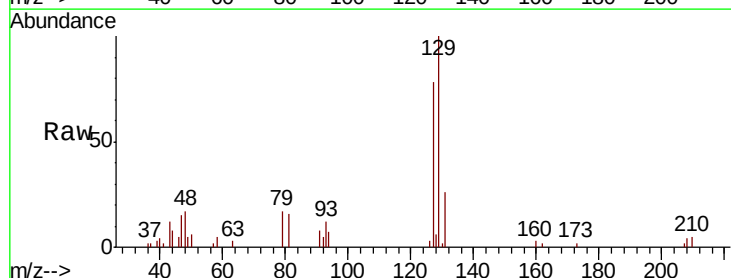
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

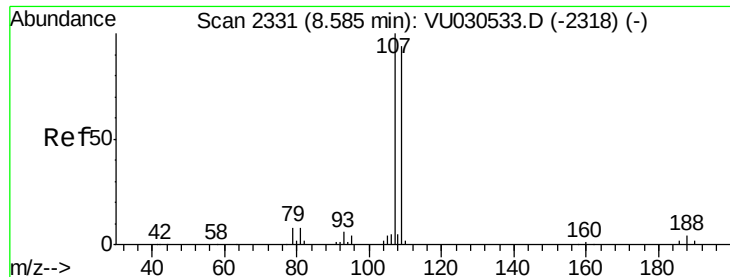
Tot Ion:	43	Resp:	70932
Ion	Ratio	Lower	Upper
43	100		
58	50.3	42.5	63.7
57	17.2	13.9	20.9
100	8.7	7.1	10.7



#49
Dibromochloromethane
Concen: 0.931 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Tgt Ion:	129	Resp:	12612
Ion	Ratio	Lower	Upper
129	100		
127	78.4	51.1	94.9

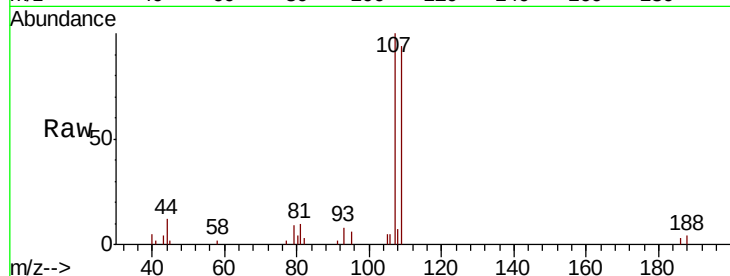




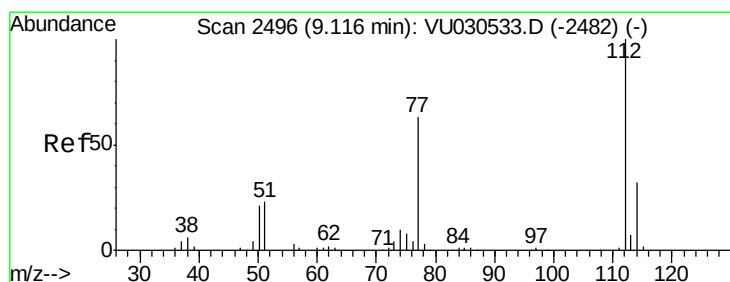
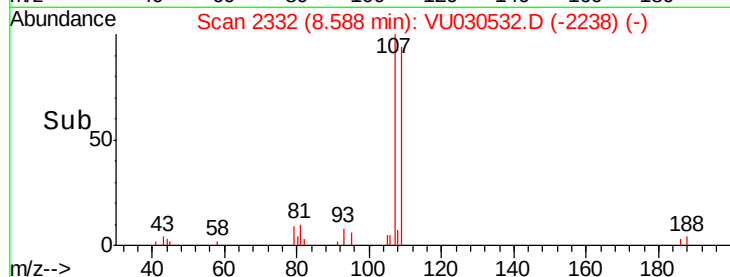
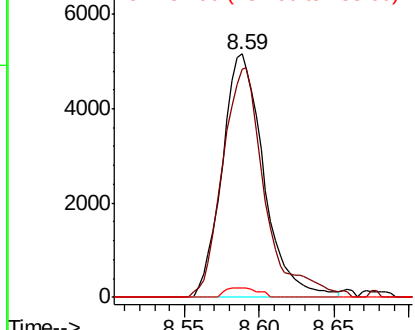
#50
1,2-Dibromoethane
Concen: 0.949 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion:107 Resp: 10020
Ion Ratio Lower Upper
107 100
109 93.8 65.6 121.8
188 4.0 2.9 4.3

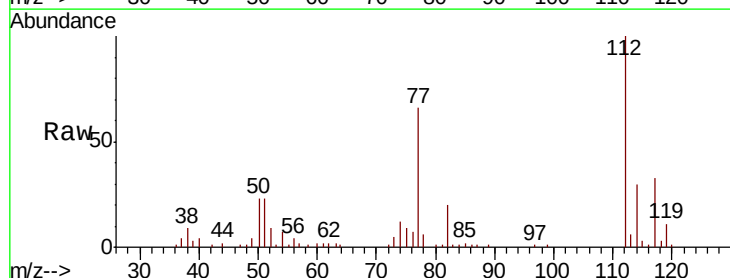


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

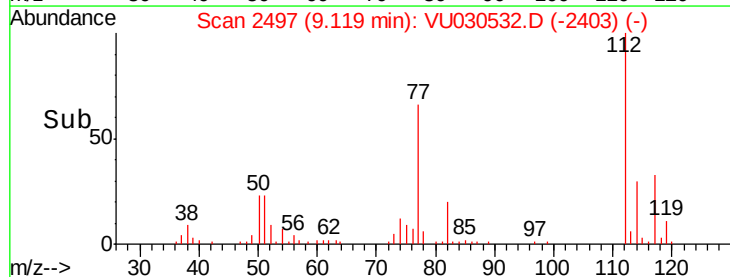
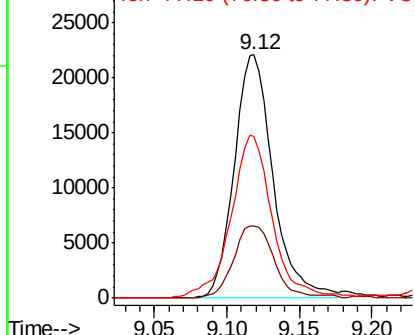


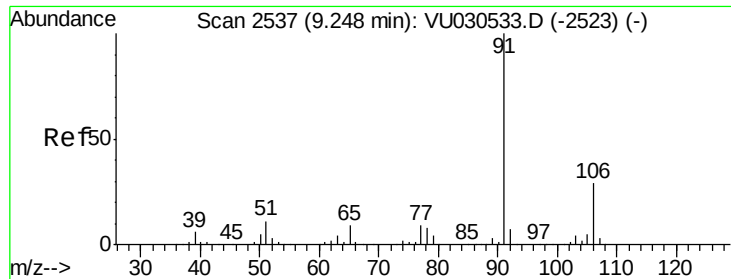
#51
Chlorobenzene
Concen: 0.967 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Tgt Ion:112 Resp: 41266
Ion Ratio Lower Upper
112 100
114 29.7 22.3 41.5
77 66.4 51.0 76.6



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: 0.909 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

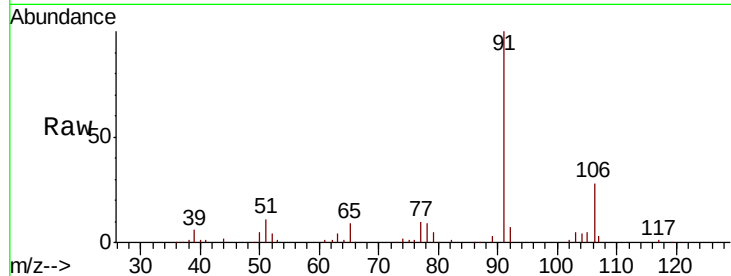
VSTD00102

Tot Ion: 91 Resp: 67057

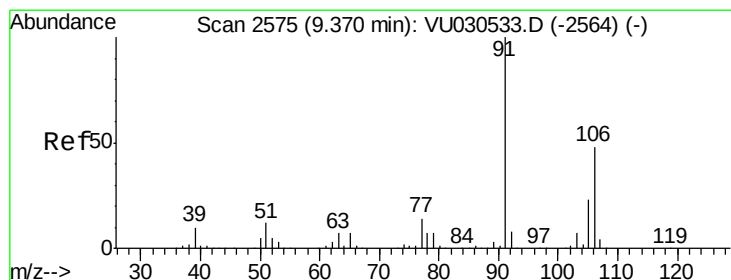
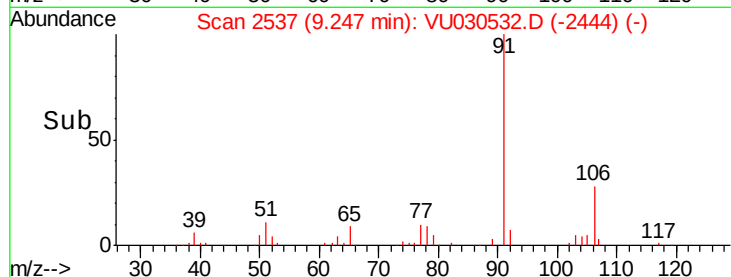
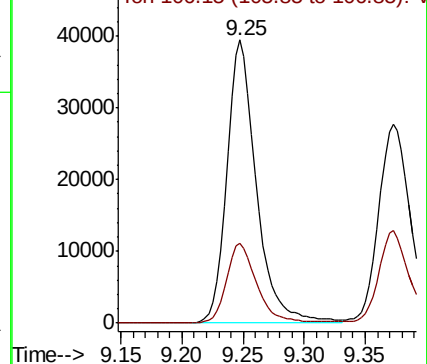
Ion Ratio Lower Upper

91 100

106 28.2 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU030533.D (-2523) (-)



#53

m,p-Xylene

Concen: 0.848 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030532.D

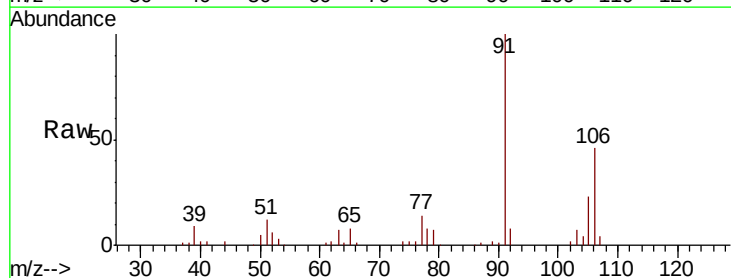
Acq: 29 Mar 2019 09:30

Tgt Ion: 106 Resp: 21862

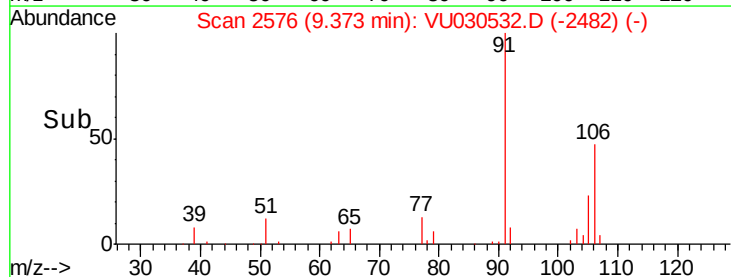
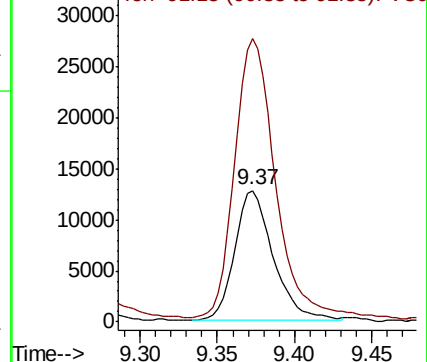
Ion Ratio Lower Upper

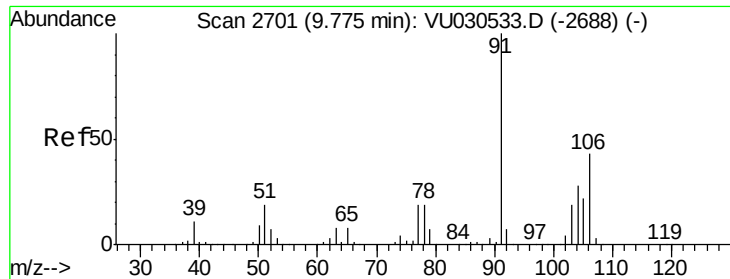
106 100

91 215.4 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU030533.D (-2564) (-)

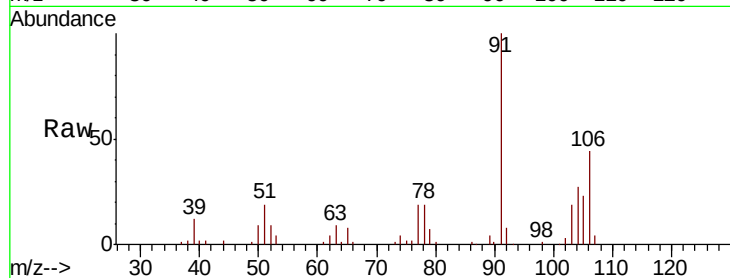




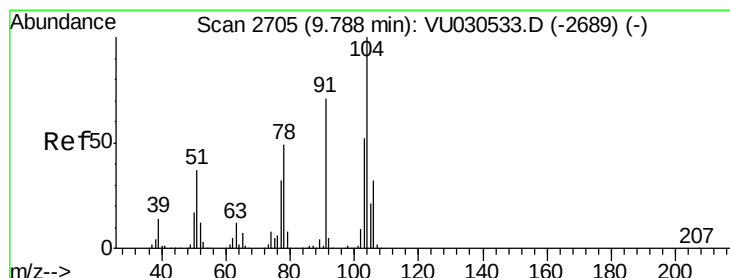
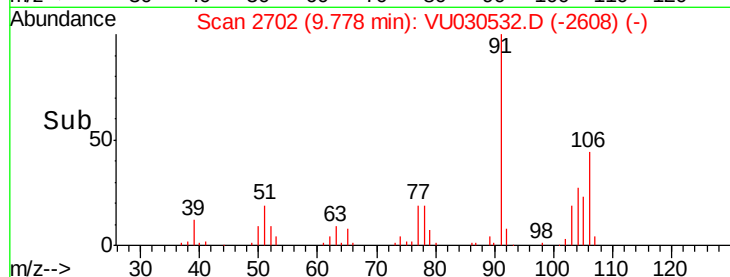
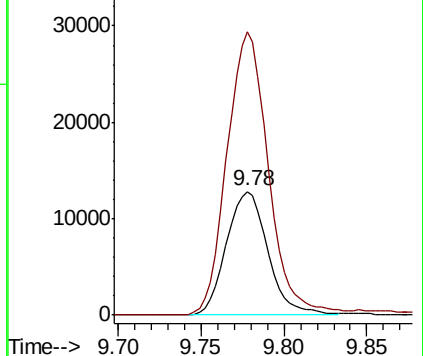
#54
o-Xylene
Concen: 0.884 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion:106 Resp: 22337
Ion Ratio Lower Upper
106 100
91 229.4 161.3 299.7

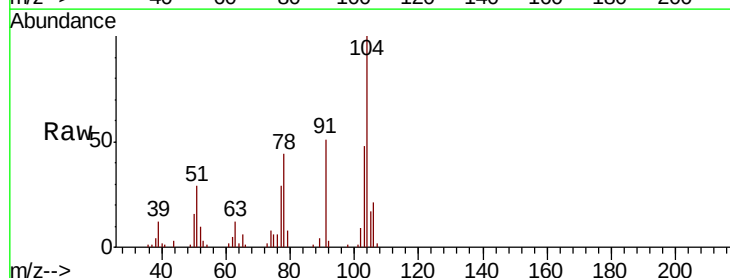


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

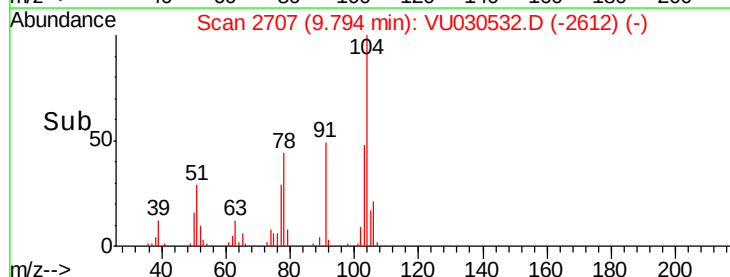
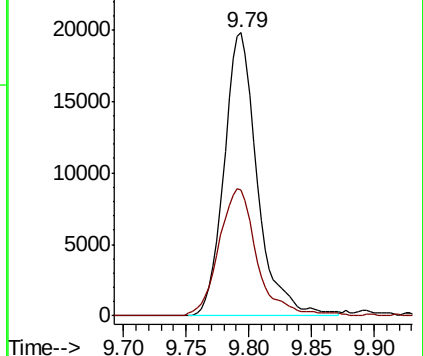


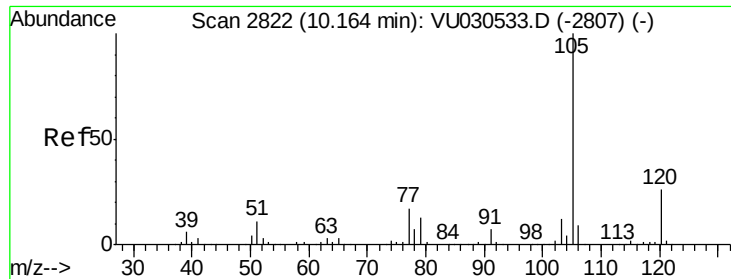
#55
Styrene
Concen: 0.855 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU030532.D
Acq: 29 Mar 2019 09:30

Tgt Ion:104 Resp: 36478
Ion Ratio Lower Upper
104 100
78 44.5 34.4 63.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.903 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

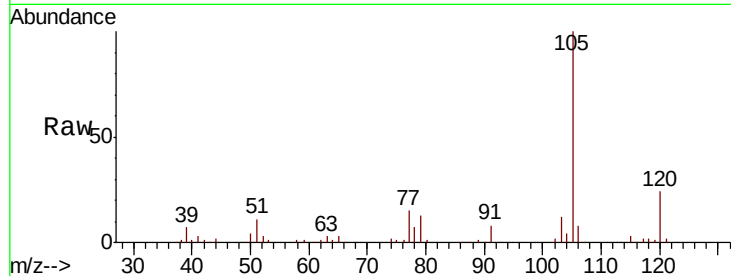
Tot Ion:105 Resp: 61018

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

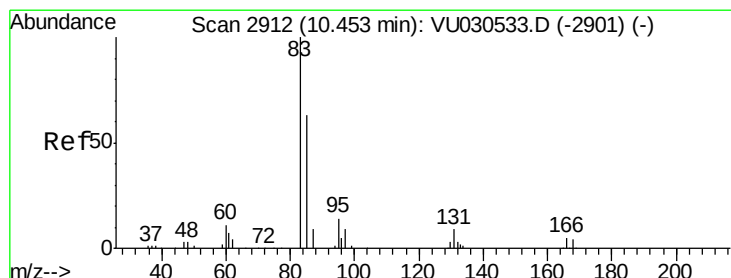
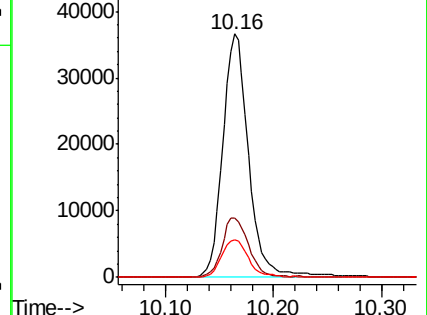
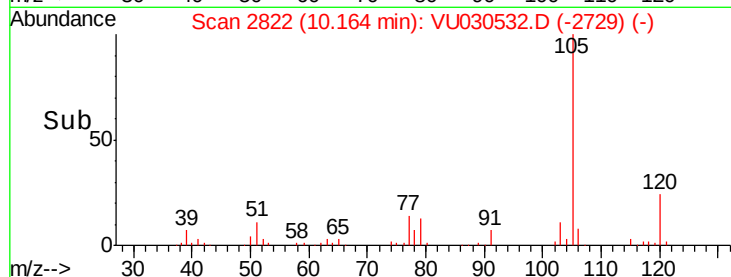
77 15.9 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.963 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

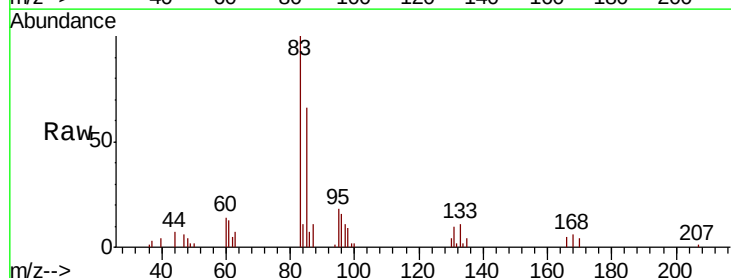
Tgt Ion: 83 Resp: 14503

Ion Ratio Lower Upper

83 100

85 66.0 44.4 82.5

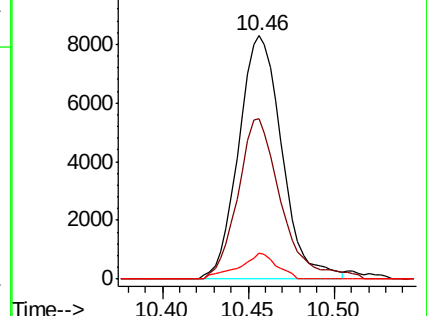
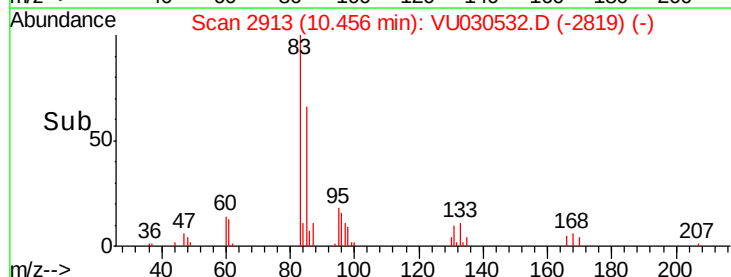
131 10.5 7.4 11.2

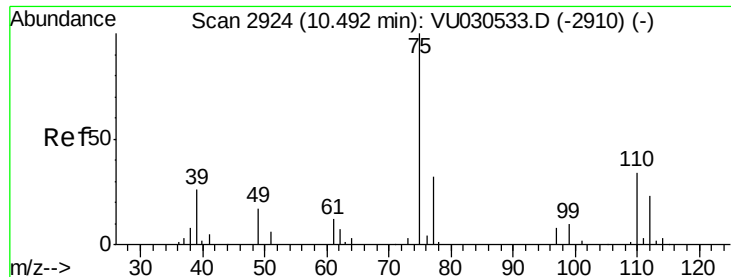


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

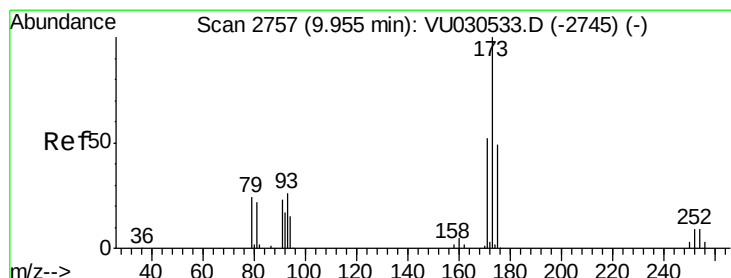
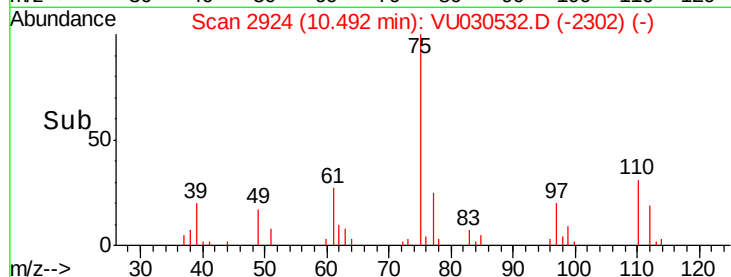
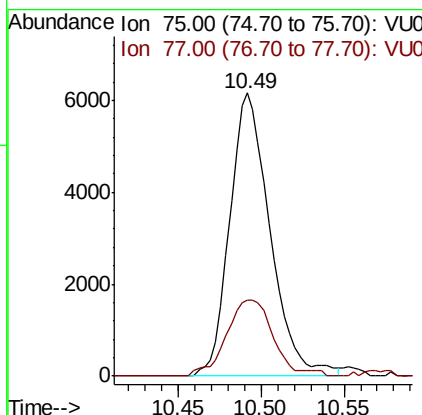
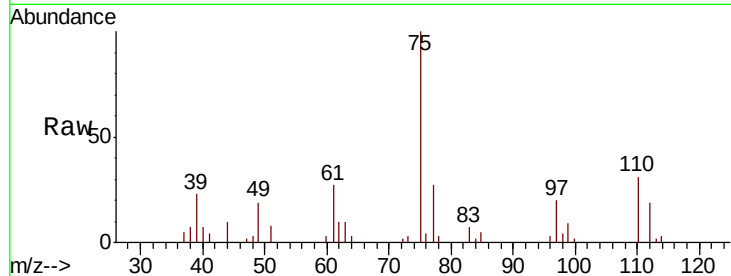




#59
 1,2,3-Trichloropropane
 Concen: 0.980 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

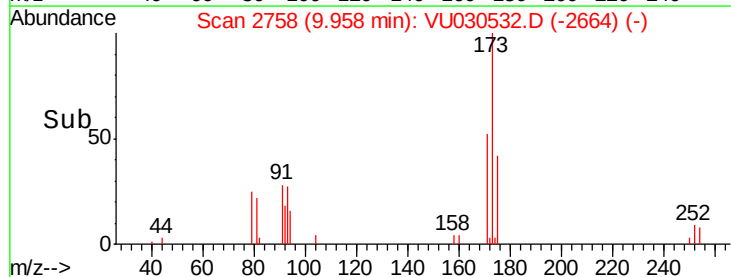
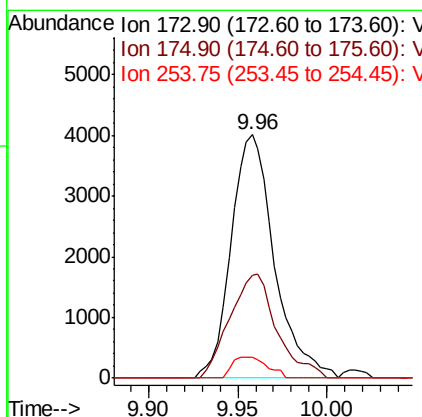
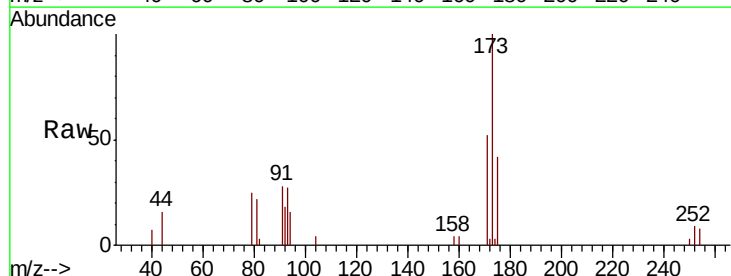
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

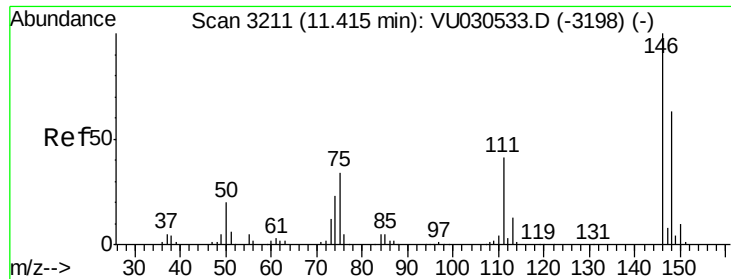
Tot Ion: 75 Resp: 10401
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.6 38.4



#61
 Bromoform
 Concen: 1.019 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Tgt Ion: 173 Resp: 6789
 Ion Ratio Lower Upper
 173 100
 175 46.3 38.6 58.0
 254 7.0 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 1.016 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

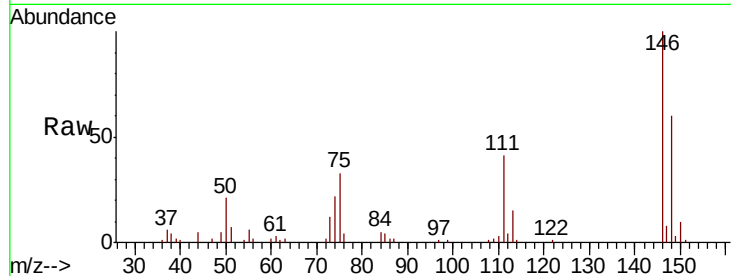
Tot Ion:146 Resp: 28205

Ion Ratio Lower Upper

146 100

111 41.1 28.9 53.7

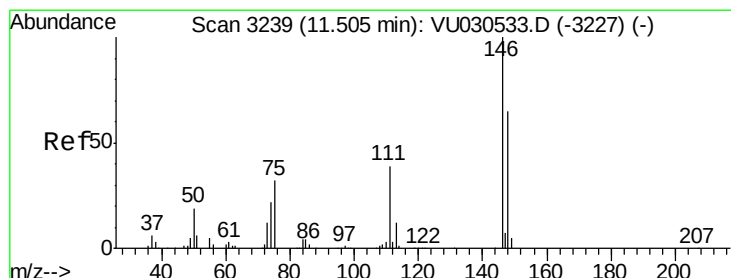
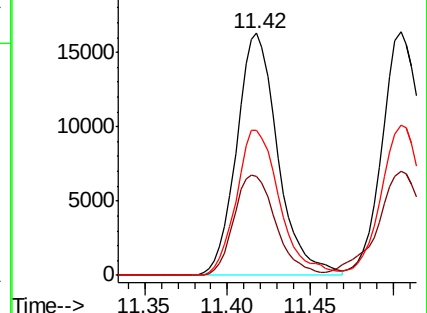
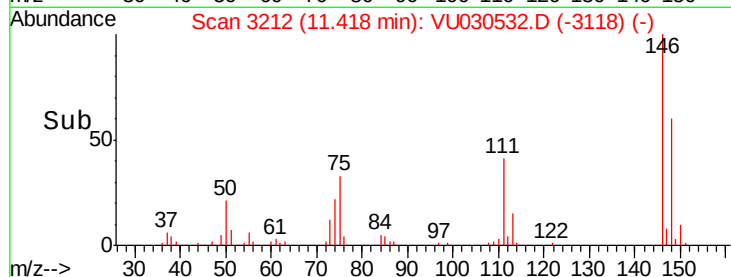
148 60.0 44.4 82.4



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: 0.998 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

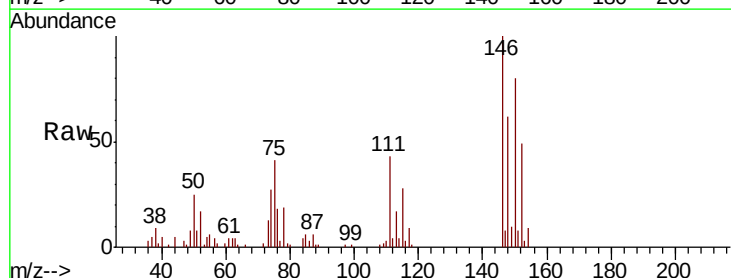
Tgt Ion:146 Resp: 29017

Ion Ratio Lower Upper

146 100

111 42.7 27.9 51.9

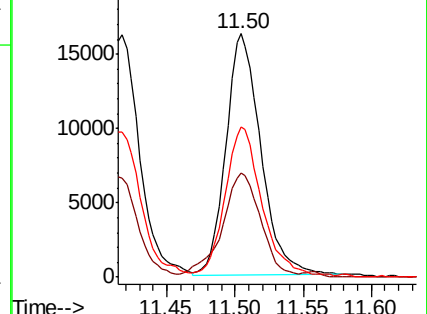
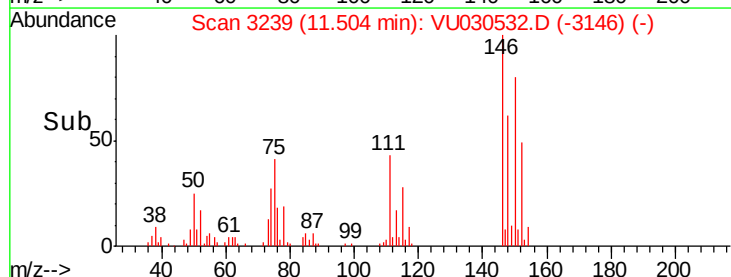
148 61.7 45.4 84.4

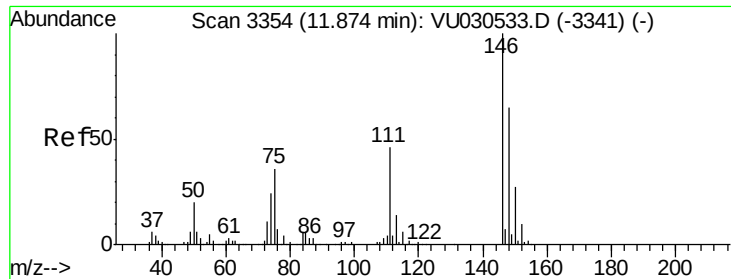


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

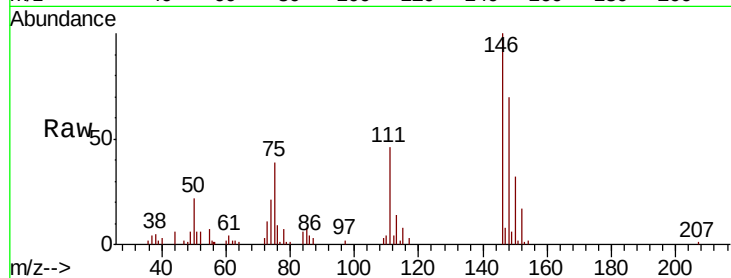




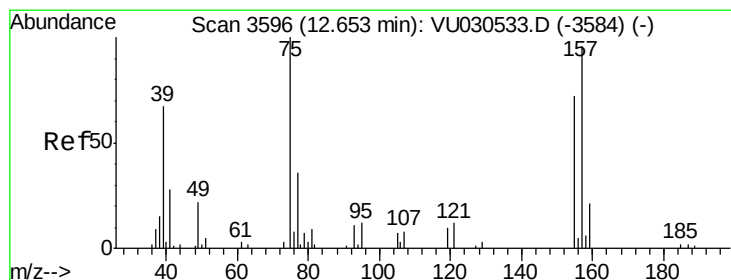
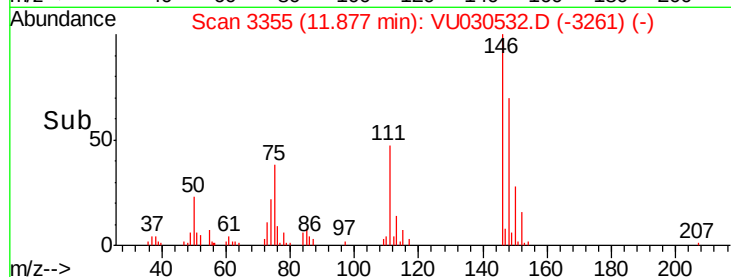
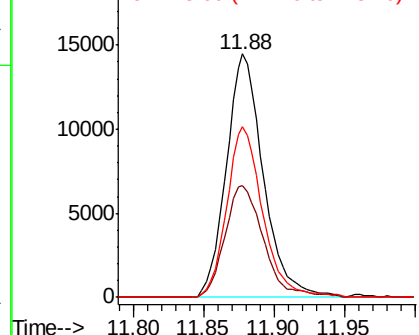
#65
 1,2-Dichlorobenzene
 Concen: 0.980 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tot Ion:146 Resp: 26447
 Ion Ratio Lower Upper
 146 100
 111 46.0 37.1 55.7
 148 69.9 51.8 77.8

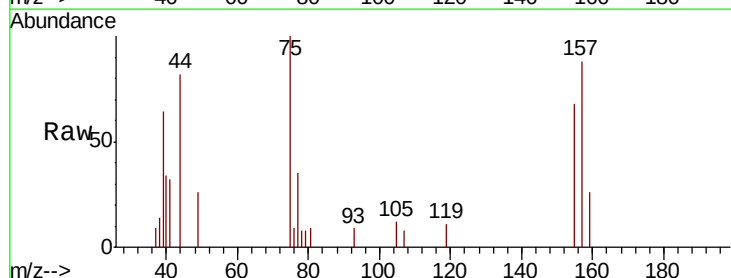


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

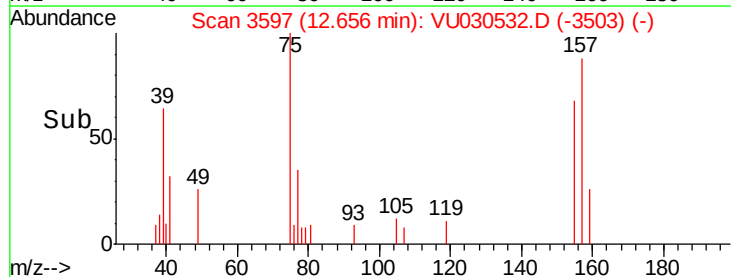
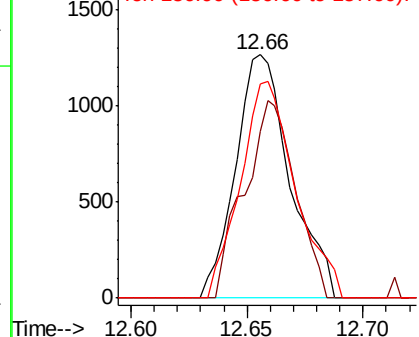


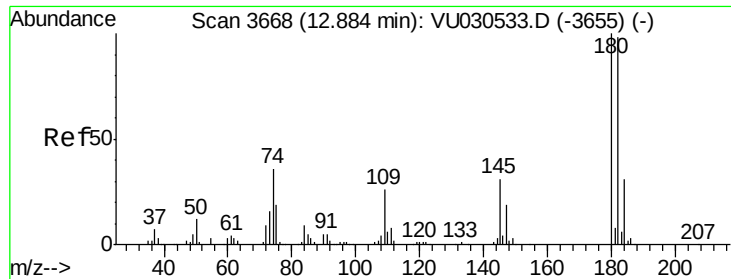
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.990 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Tgt Ion: 75 Resp: 2068
 Ion Ratio Lower Upper
 75 100
 155 68.2 57.7 86.5
 157 88.2 76.9 115.3



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

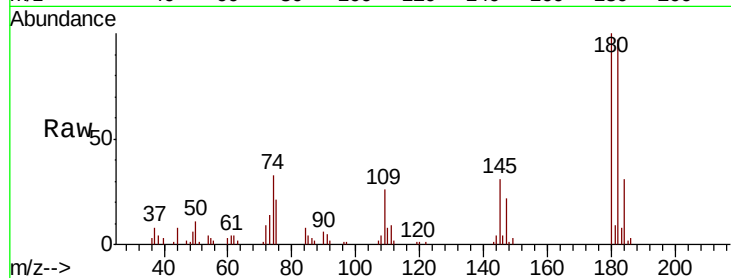




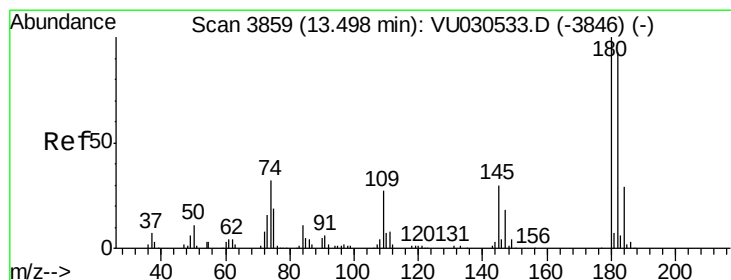
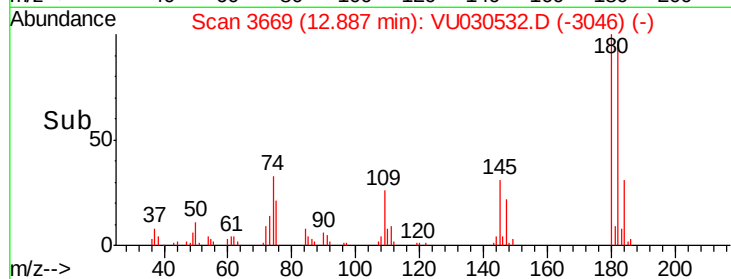
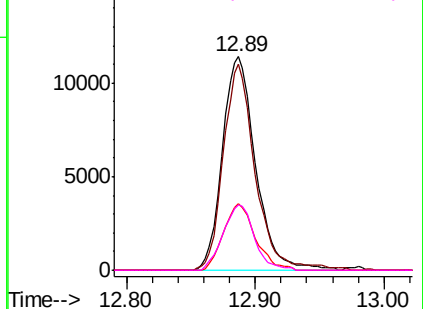
#67
 1,3,5-Trichlorobenzene
 Concen: 0.981 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tot Ion:180 Resp: 20320
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.2 114.2
 184 29.9 24.2 36.2
 145 28.9 24.1 36.1

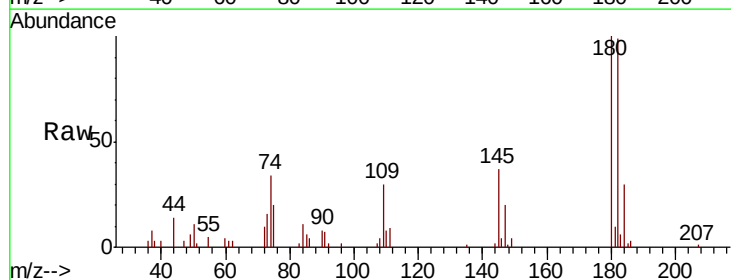


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

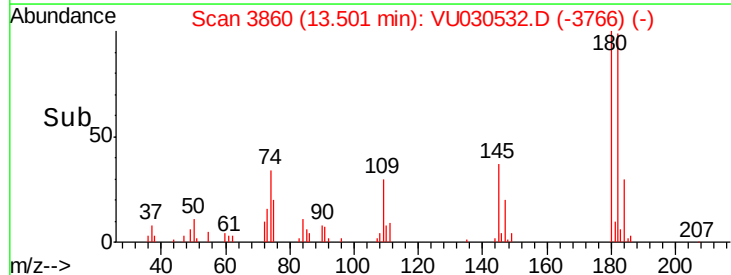
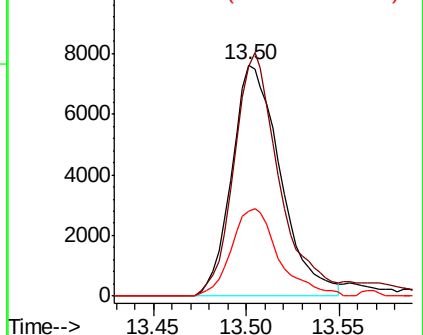


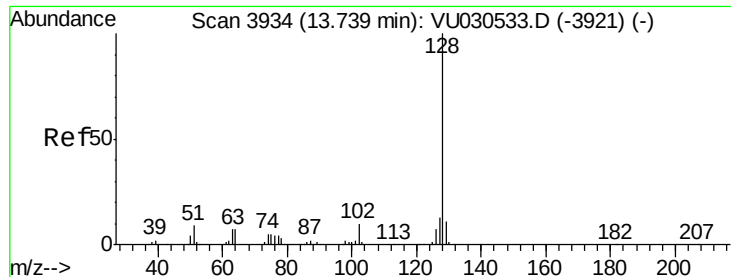
#68
 1,2,4-trichlorobenzene
 Concen: 0.869 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030532.D
 Acq: 29 Mar 2019 09:30

Tgt Ion:180 Resp: 13901
 Ion Ratio Lower Upper
 180 100
 182 97.5 74.6 111.8
 145 36.6 23.6 35.4#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.782 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

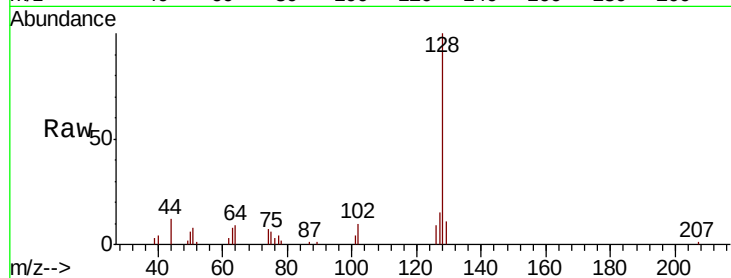
Tot Ion:128 Resp: 20073

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

127 13.7 10.5 15.7

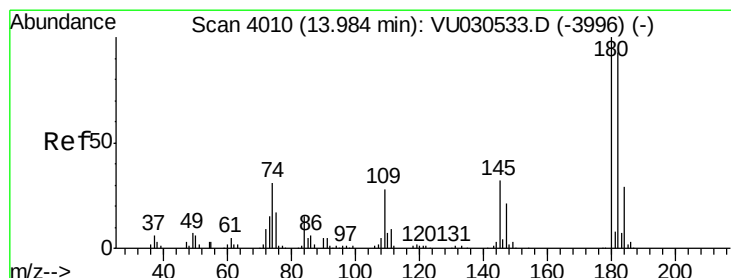
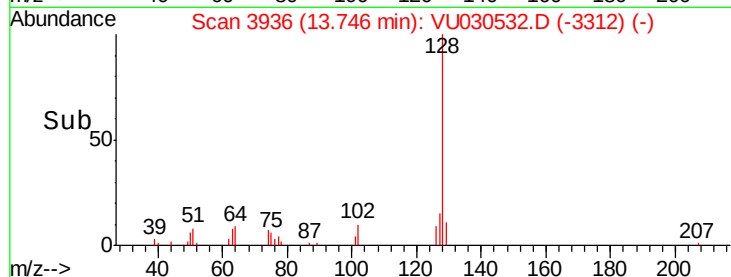
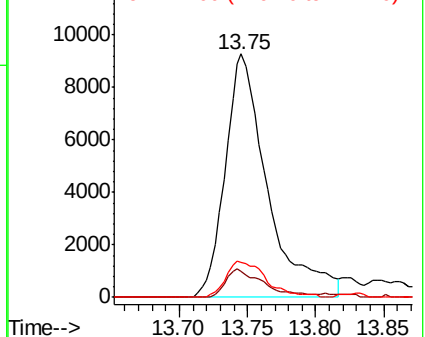


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.925 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030532.D

Acq: 29 Mar 2019 09:30

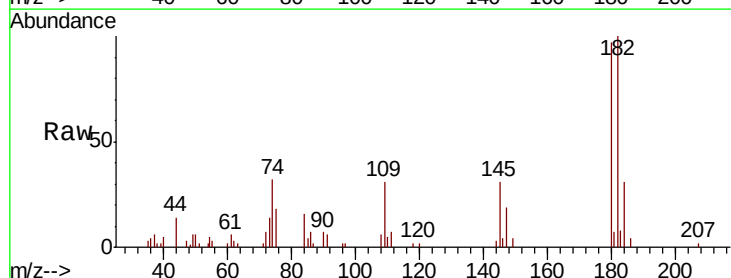
Tgt Ion:180 Resp: 13786

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 31.8 26.7 40.1



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

