

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028115.D
 Acq On : 14 Nov 2018 12:09
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV49

Quant Time: Nov 15 04:23:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 04:19:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	177587	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	167342	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76639	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72485	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.68	69	57273	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.28	63	132029	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.22	46	219433	51.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.68%
24) Chloroform-d	4.65	84	117979	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.31	65	62913	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.34	84	236936	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.33	67	84512	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.57	98	214280	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.85	79	31139	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.32	63	177142	50.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60591	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	72627	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	77080	4.921 ug/L	100
3) Chloromethane	1.33	50	100701	5.030 ug/L	97
5) Vinyl chloride	1.40	62	96746	5.086 ug/L	96
6) Bromomethane	1.63	94	47302	5.192 ug/L	98
8) Chloroethane	1.70	64	54324	4.744 ug/L	95
9) Trichlorofluoromethane	1.89	101	105118	5.066 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	58731	5.042 ug/L	97
12) 1,1-Dichloroethene	2.29	96	56426	4.779 ug/L	93
13) Acetone	2.36	43	149329	51.876 ug/L	99
14) Carbon disulfide	2.48	76	194972	4.924 ug/L	99
15) Methyl Acetate	2.63	43	38475	4.998 ug/L	99
16) Methylene chloride	2.70	84	66799	4.788 ug/L	94
17) Methyl tert-butyl Ether	3.01	73	160943	4.875 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	60619	4.829 ug/L	99
19) 1,1-Dichloroethane	3.45	63	129852	4.918 ug/L	99
21) 2-Butanone	4.30	43	237092	52.190 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	70992	5.129 ug/L	96

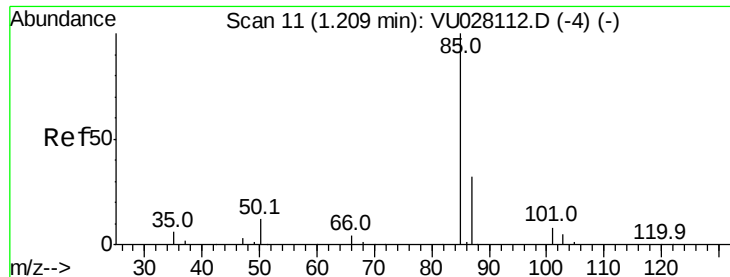
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	27519	5.031	ug/L	98
25) Chloroform	4.68	83	119279	5.037	ug/L	100
27) 1,2-Dichloroethane	5.41	62	77373	4.971	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	94234	4.975	ug/L	98
30) Cyclohexane	4.99	56	130925	4.930	ug/L	98
31) Carbon tetrachloride	5.13	117	77502	4.931	ug/L	99
33) Benzene	5.39	78	278687	4.943	ug/L	100
34) Trichloroethene	6.19	95	68449	4.913	ug/L	98
35) Methylcyclohexane	6.41	83	118138	4.932	ug/L	98
37) 1,2-Dichloropropane	6.43	63	78299	5.022	ug/L	99
38) Bromodichloromethane	6.76	83	81660	4.923	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	105472	5.004	ug/L	96
40) 4-Methyl-2-pentanone	7.47	43	549302	51.165	ug/L	100
42) Toluene	7.64	91	287601	4.948	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	82181	4.976	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	47162	5.011	ug/L	98
47) Tetrachloroethene	8.23	164	49912	4.406	ug/L	96
48) 2-Hexanone	8.37	43	404923	53.007	ug/L	100
49) Dibromochloromethane	8.48	129	49810	4.971	ug/L	99
50) 1,2-Dibromoethane	8.59	107	45206	5.101	ug/L	97
51) Chlorobenzene	9.12	112	165361	4.865	ug/L	98
52) Ethylbenzene	9.25	91	315578	4.974	ug/L	99
53) m,p-xylene	9.38	106	114130	4.937	ug/L	97
54) o-xylene	9.78	106	112051	5.035	ug/L	100
55) Styrene	9.79	104	184251	4.896	ug/L	97
56) Isopropylbenzene	10.17	105	292161	4.854	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	62118	5.120	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	42638	4.869	ug/L	96
61) Bromoform	9.96	173	26849	5.181	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	124404	5.134	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	125918	5.133	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	118694	5.122	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	9225	5.486	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	95720	5.149	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	83414	5.148	ug/L	99
69) Naphthalene	13.74	128	160848	5.327	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	78845	5.282	ug/L	98

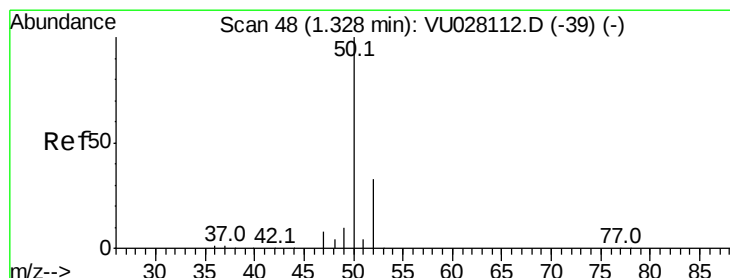
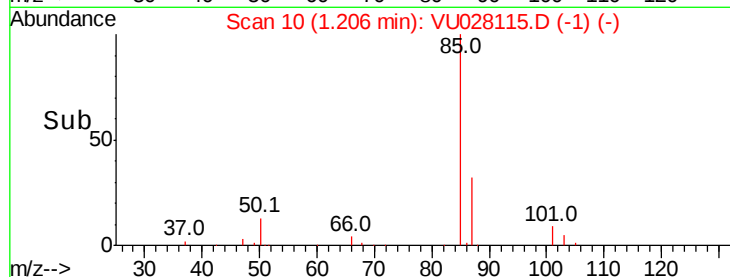
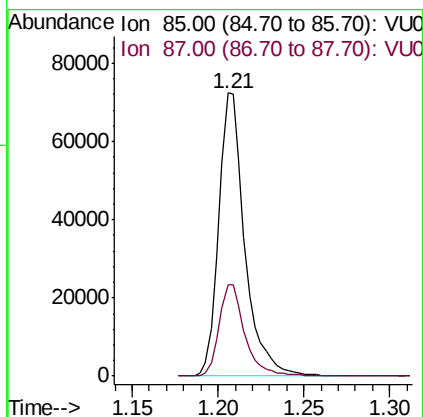
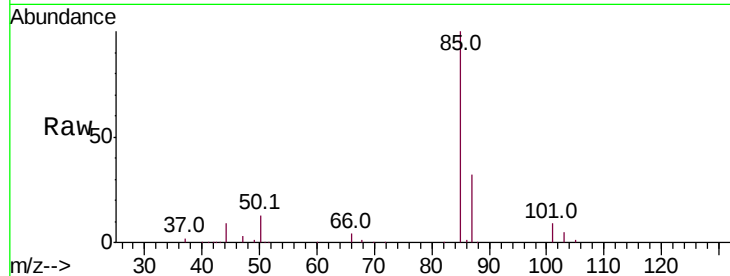
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.921 ug/L
 RT: 1.21 min Scan# 10
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

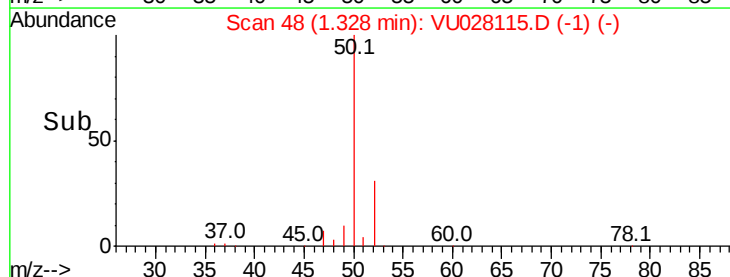
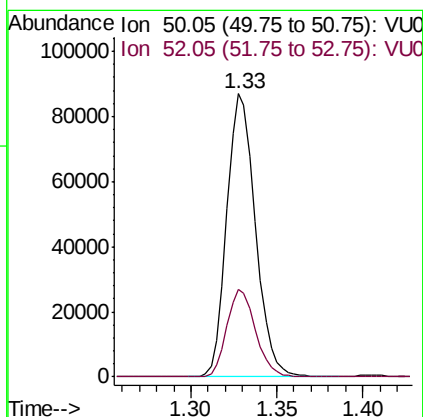
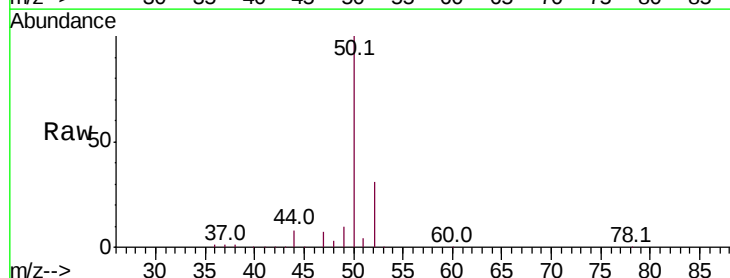
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV49

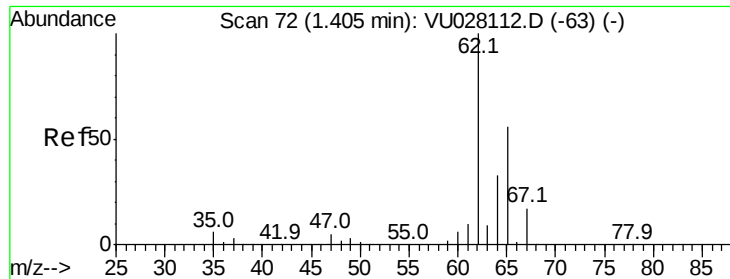
Tot Ion: 85 Resp: 77080
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.6 38.4



#3
 Chloromethane
 Concen: 5.030 ug/L
 RT: 1.33 min Scan# 48
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Tgt Ion: 50 Resp: 100701
 Ion Ratio Lower Upper
 50 100
 52 30.9 23.0 42.6





#5

Vinyl chloride

Concen: 5.086 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

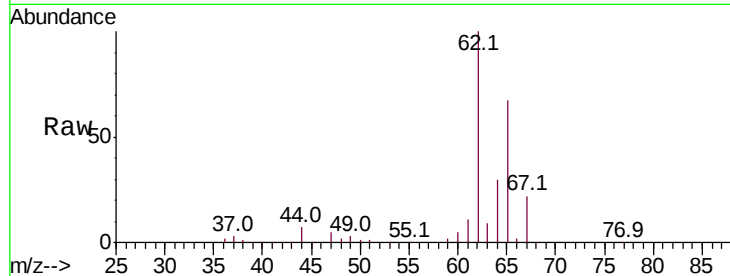
VICV49

Tot Ion: 62 Resp: 96746

Ion Ratio Lower Upper

62 100

64 30.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

100000

80000

60000

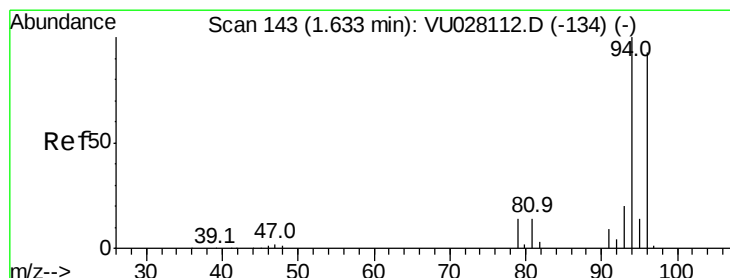
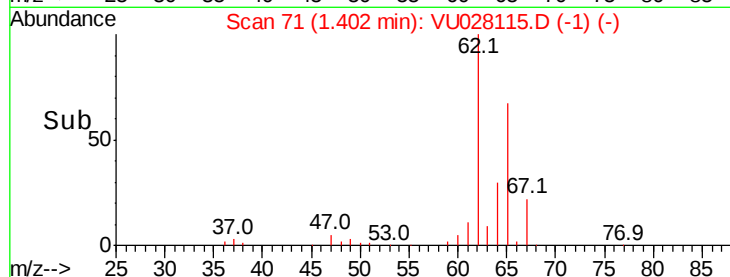
40000

20000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 5.192 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU028115.D

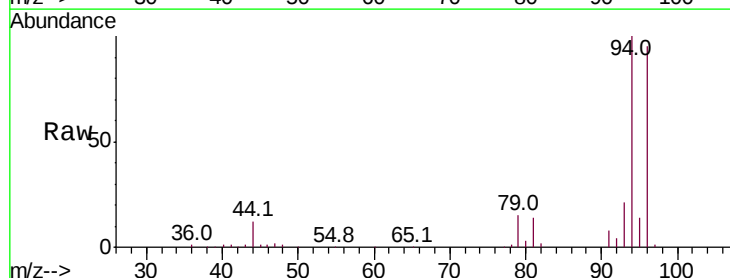
Acq: 14 Nov 2018 12:09

Tgt Ion: 94 Resp: 47302

Ion Ratio Lower Upper

94 100

96 95.3 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

40000

30000

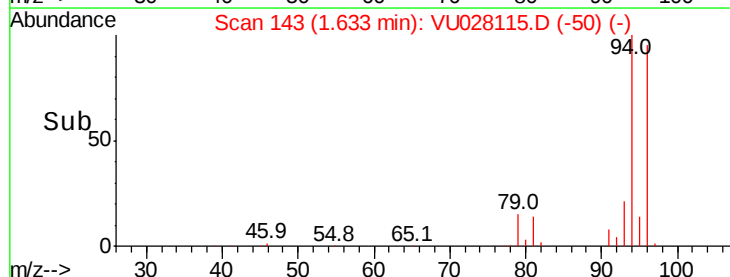
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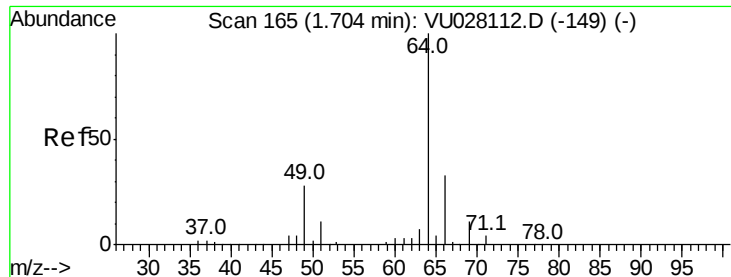
10000

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Time-->

1.60 1.65 1.70





#8

Chloroethane

Concen: 4.744 ug/L

RT: 1.70 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

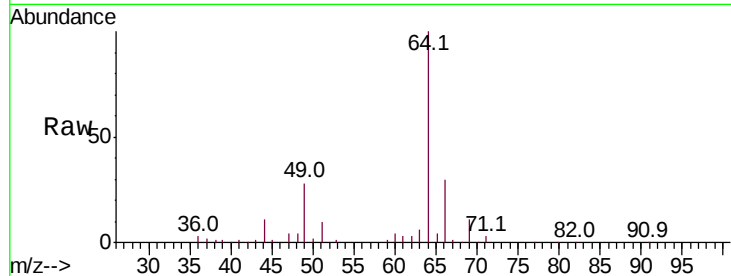
VICV49

Tot Ion: 64 Resp: 54324

Ion Ratio Lower Upper

64 100

66 30.1 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU028112.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VU028112.D (-149) (-)

1.70

40000

30000

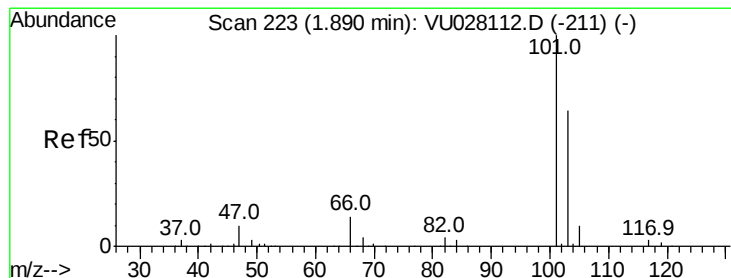
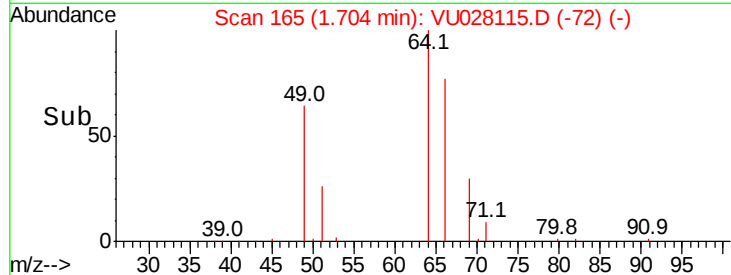
20000

10000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 5.066 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU028115.D

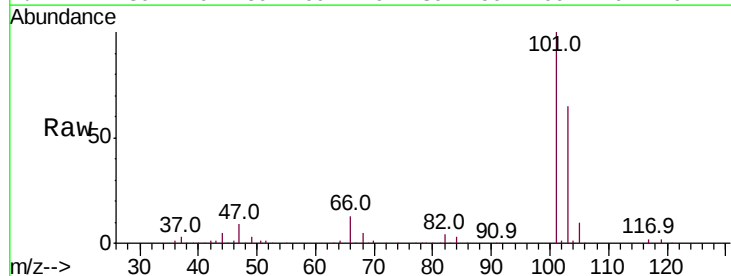
Acq: 14 Nov 2018 12:09

Tgt Ion:101 Resp: 105118

Ion Ratio Lower Upper

101 100

103 64.8 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU028112.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU028112.D (-211) (-)

1.89

80000

60000

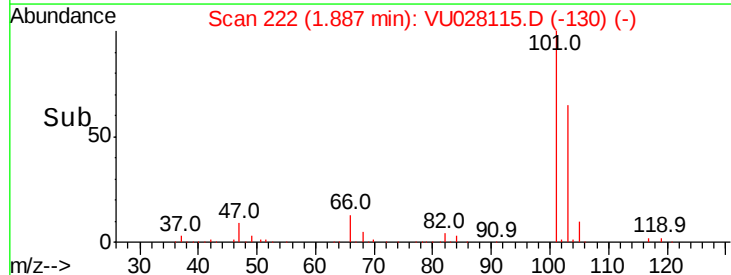
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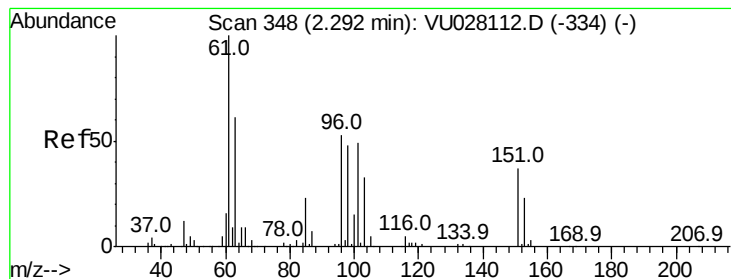
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0

1.85 1.90 1.95

Time-->





#10

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

Concen: 5.042 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampled :

VICV49

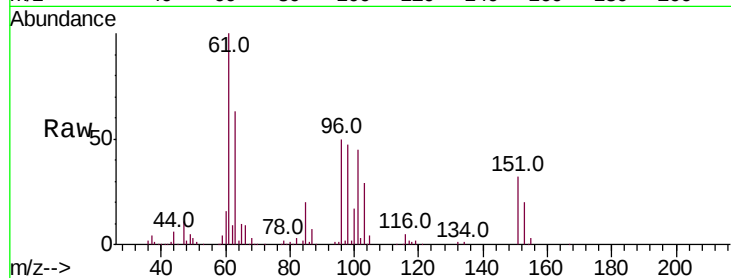
Tot Ion:101 Resp: 58731

Ion Ratio Lower Upper

101 100

85 45.1 37.6 56.4

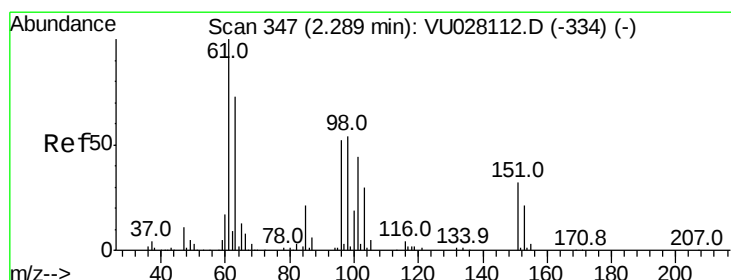
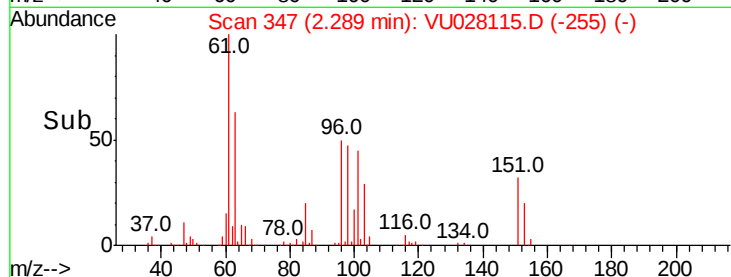
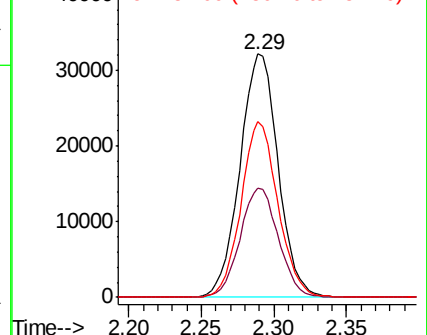
151 69.8 58.2 87.2



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: 4.779 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

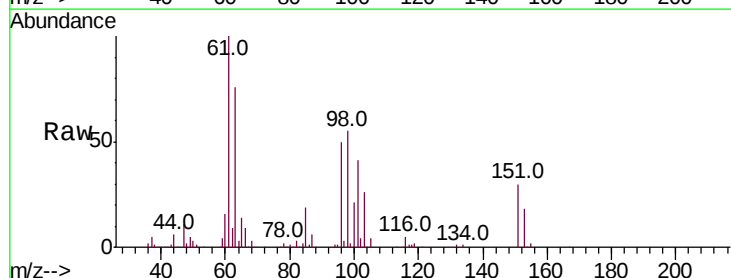
Tgt Ion: 96 Resp: 56426

Ion Ratio Lower Upper

96 100

61 200.9 134.8 250.3

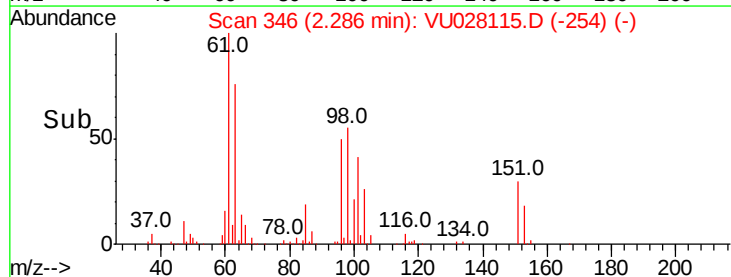
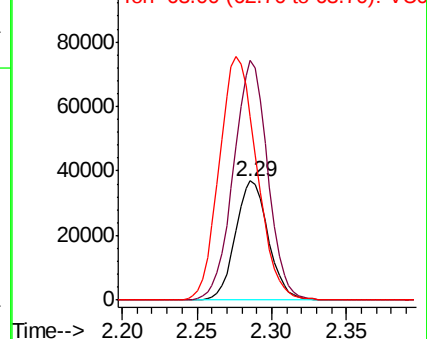
63 153.3 100.1 185.9

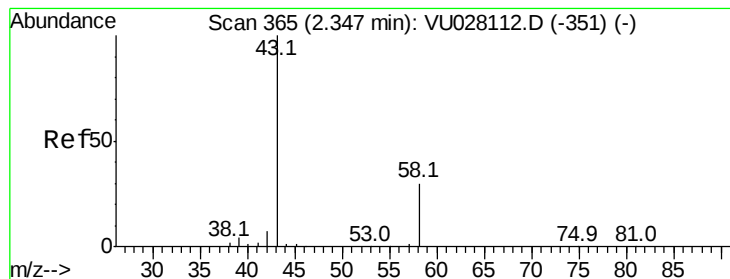


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.876 ug/L

RT: 2.36 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

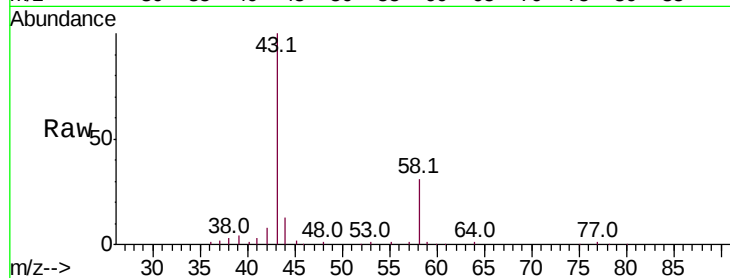
VICV49

Tot Ion: 43 Resp: 149329

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU028115.D (-369) (-)

Ion 58.05 (57.75 to 58.75): VU028115.D (-369) (-)

2.36

40000

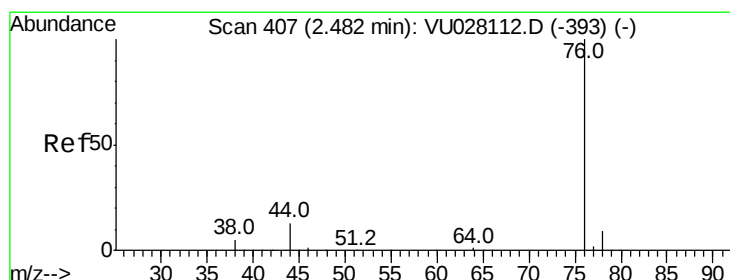
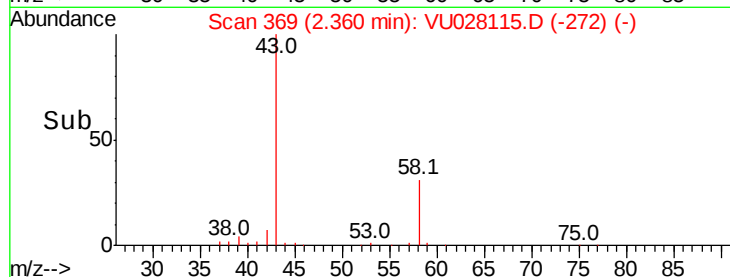
30000

20000

10000

0

Time--> 2.20 2.30 2.40 2.50 2.60



#14

Carbon disulfide

Concen: 4.924 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028115.D

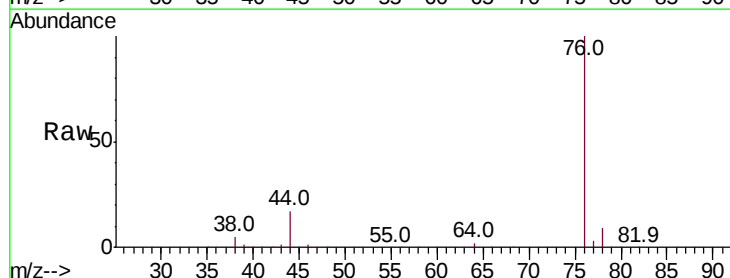
Acq: 14 Nov 2018 12:09

Tgt Ion: 76 Resp: 194972

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU028115.D (-406) (-)

Ion 78.00 (77.70 to 78.70): VU028115.D (-406) (-)

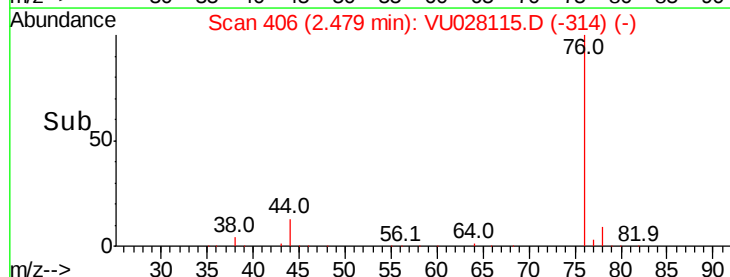
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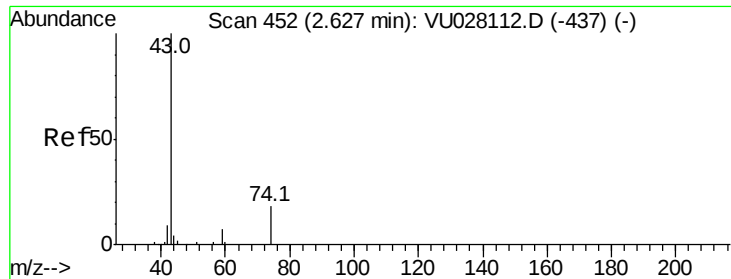
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50000

0

Time--> 2.40 2.45 2.50 2.55 2.60

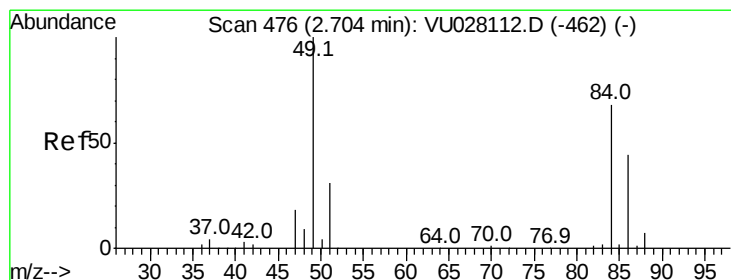
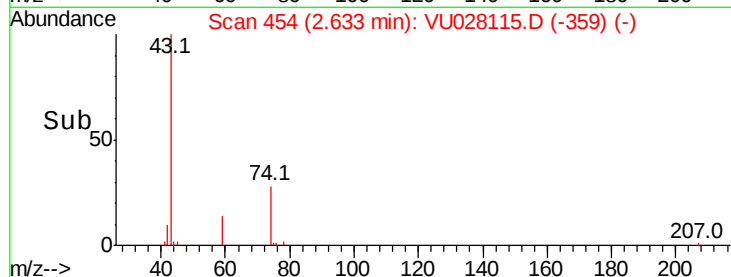
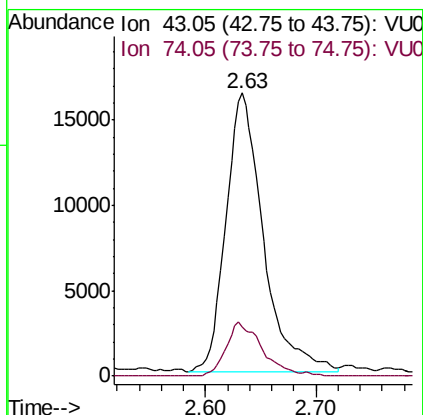
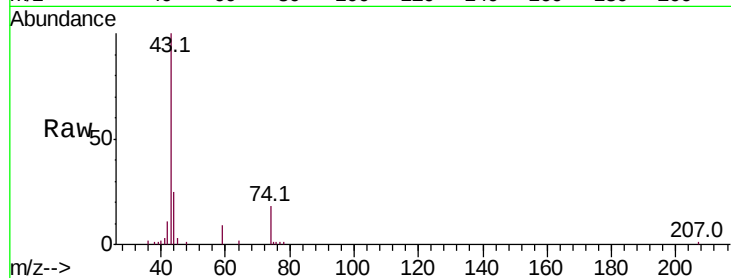




#15
Methyl Acetate
Concen: 4.998 ug/L
RT: 2.63 min Scan# 454
Delta R.T. 0.01 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

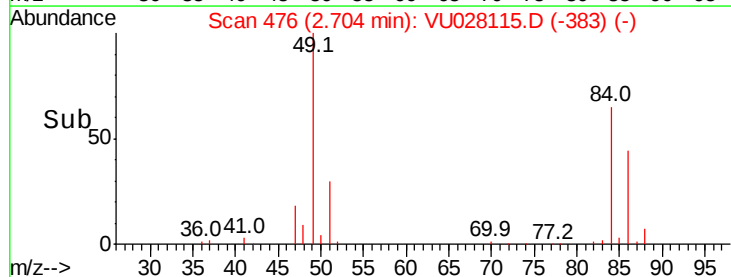
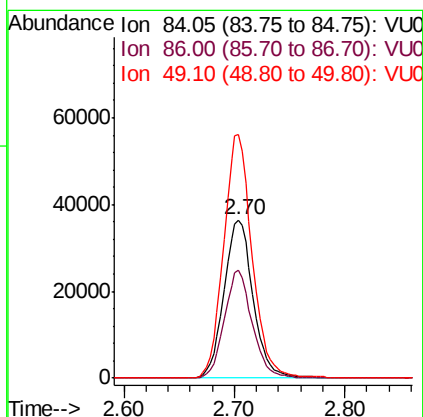
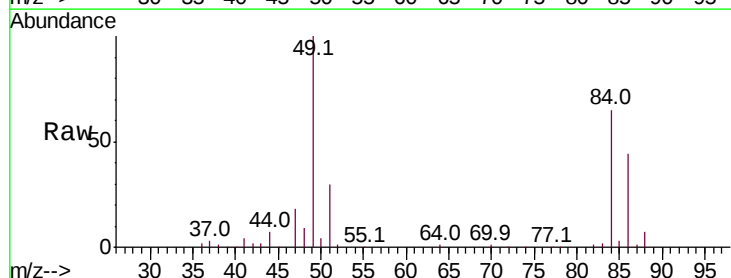
Instrument :
MSVOA_U
ClientSampleId :
VICV49

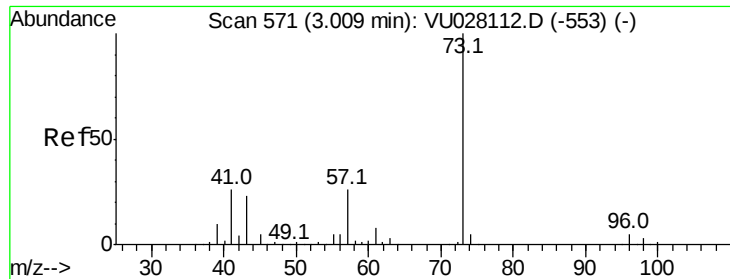
Tot Ion: 43 Resp: 38475
Ion Ratio Lower Upper
43 100
74 18.3 14.9 22.3



#16
Methylene chloride
Concen: 4.788 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Tgt Ion: 84 Resp: 66799
Ion Ratio Lower Upper
84 100
86 68.1 44.6 82.8
49 153.7 102.5 190.3

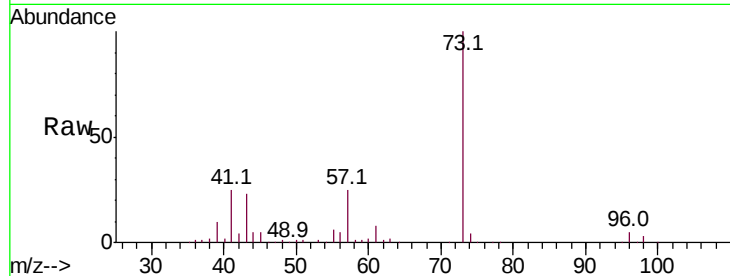




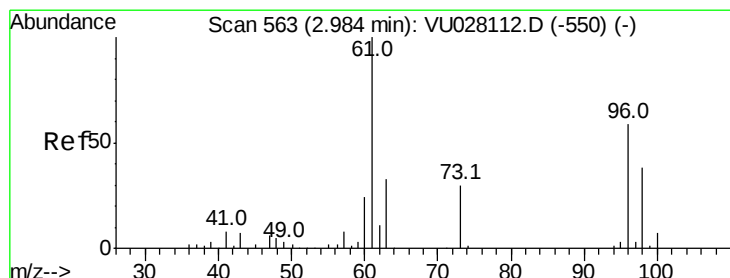
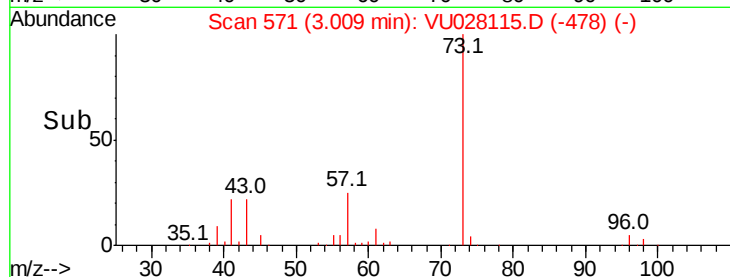
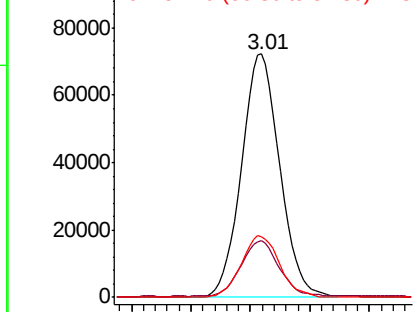
#17
Methvl tert-butvl Ether
Concen: 4.875 ug/L
RT: 3.01 min Scan# 571
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV49

Tot Ion: 73 Resp: 160943
Ion Ratio Lower Upper
73 100
43 22.7 18.1 27.1
57 25.5 20.0 30.0

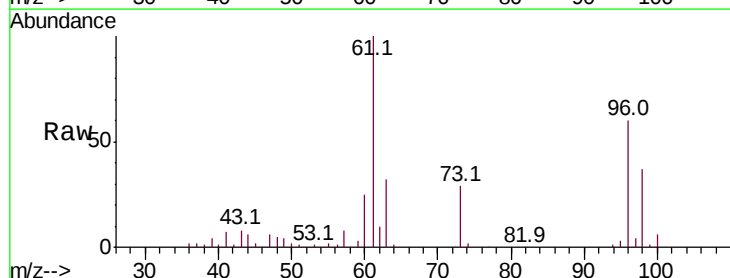


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

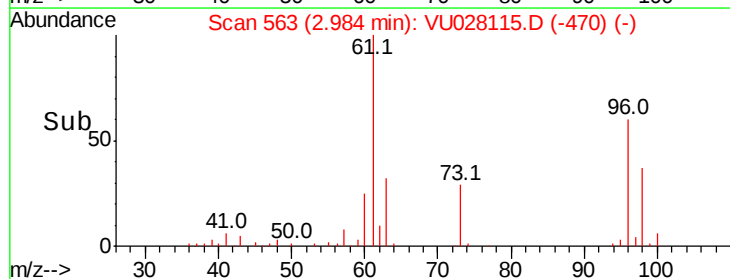
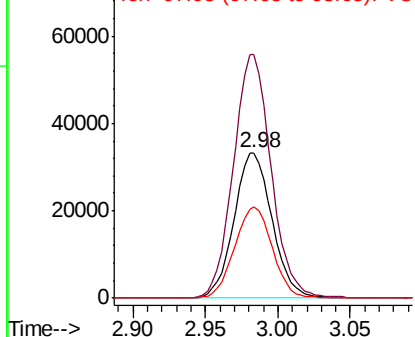


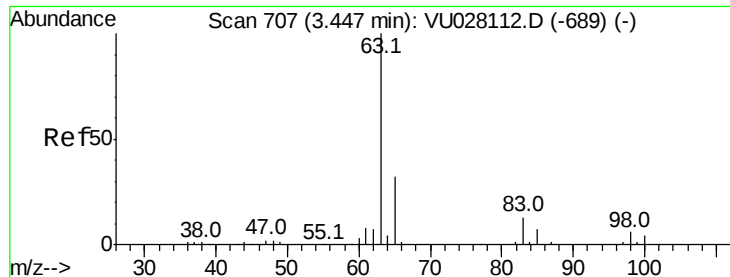
#18
trans-1,2-Dichloroethene
Concen: 4.829 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Tgt Ion: 96 Resp: 60619
Ion Ratio Lower Upper
96 100
61 167.8 118.5 220.1
98 62.7 44.9 83.5



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

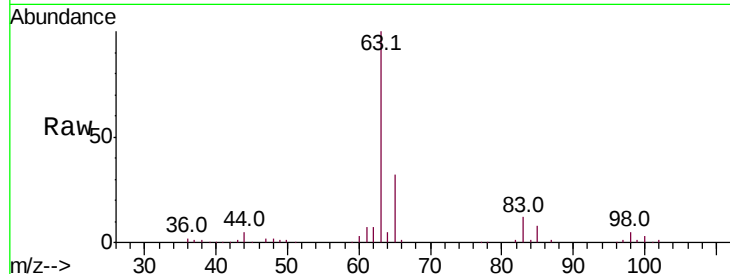




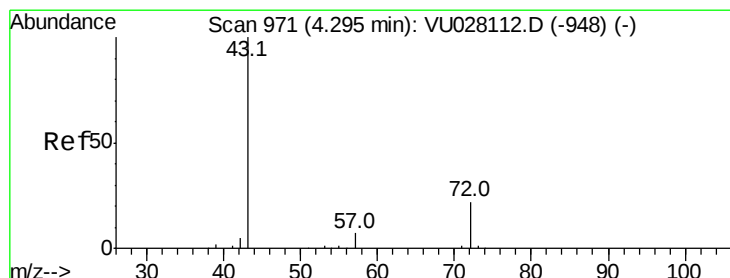
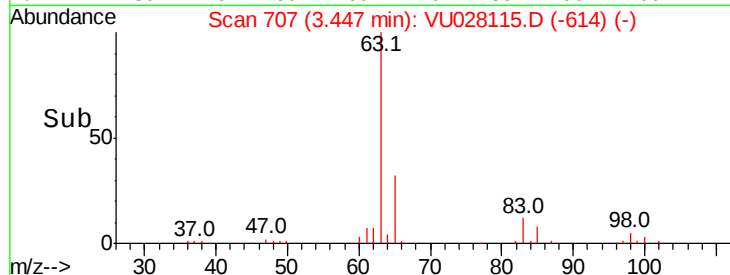
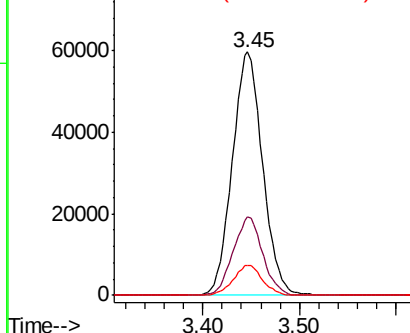
#19
 1,1-Dichloroethane
 Concen: 4.918 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV49

Tot Ion: 63 Resp: 129852
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.2 41.2
 83 12.5 8.9 16.5

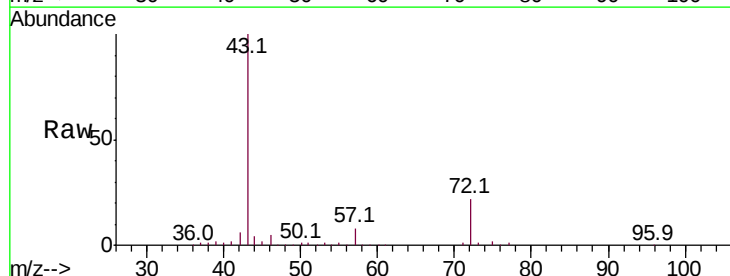


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

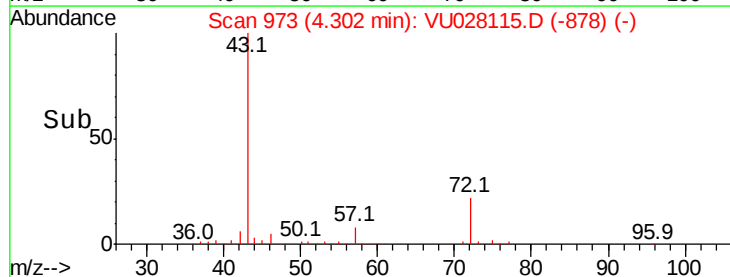
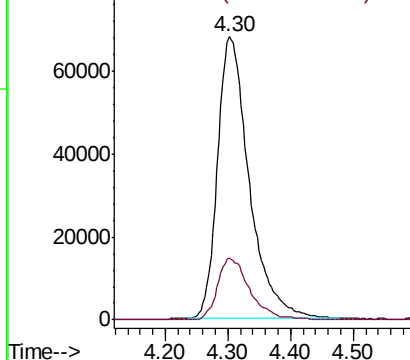


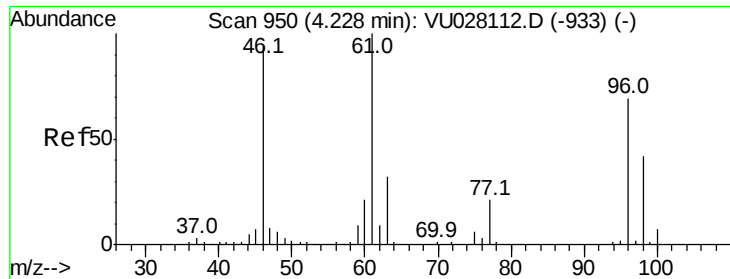
#21
 2-Butanone
 Concen: 52.190 ug/L
 RT: 4.30 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Tgt Ion: 43 Resp: 237092
 Ion Ratio Lower Upper
 43 100
 72 22.0 11.0 33.0



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: 5.129 ug/L

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampled :

VICV49

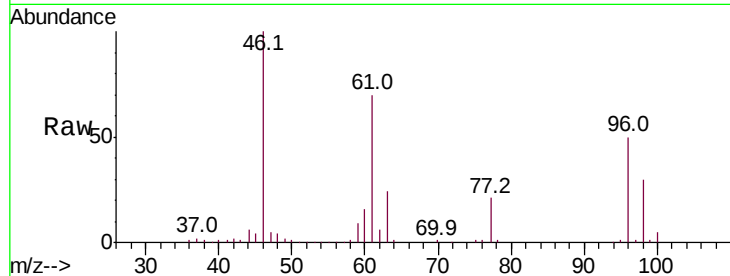
Tot Ion: 96 Resp: 70992

Ion Ratio Lower Upper

96 100

61 140.5 101.8 189.0

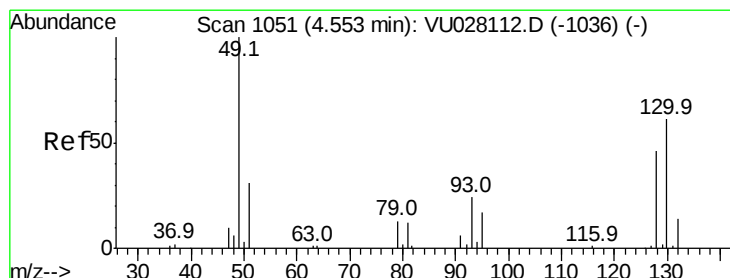
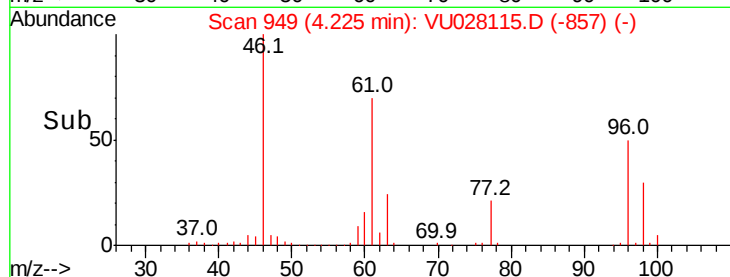
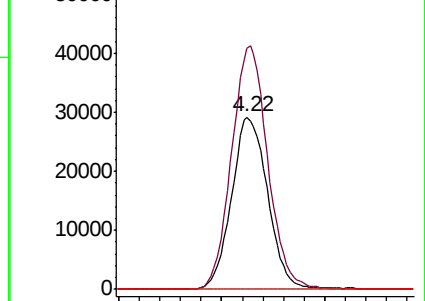
68 0.0 0.0 0.0



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: 5.031 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Tgt Ion: 128 Resp: 27519

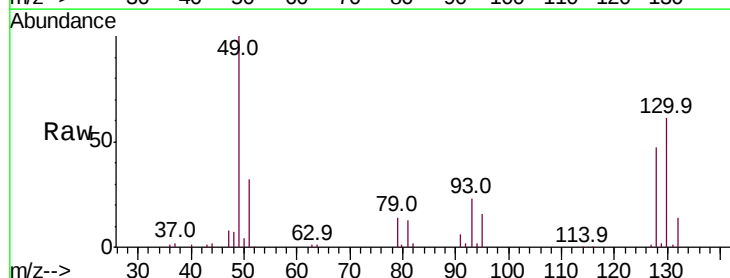
Ion Ratio Lower Upper

128 100

49 214.5 152.2 282.6

130 131.3 93.2 173.0

51 68.3 53.5 80.3

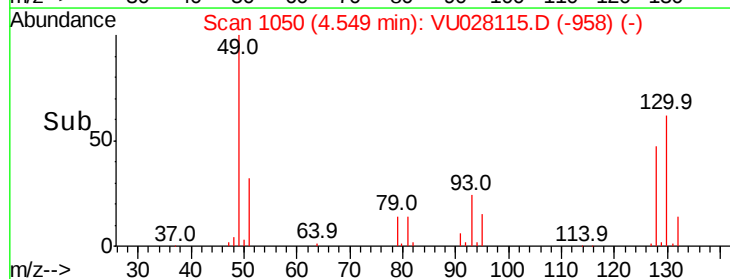
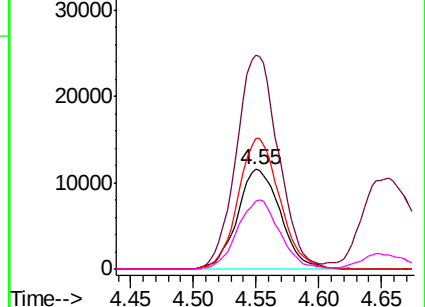


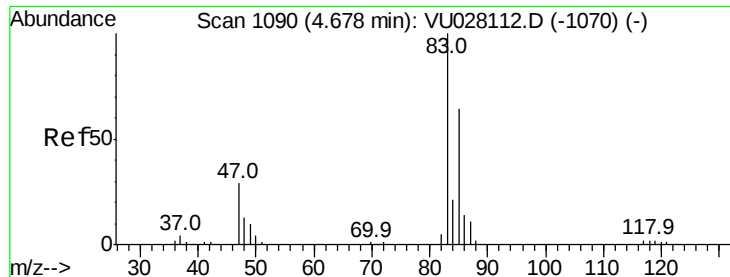
Abundance Ion 127.90 (127.60 to 128.60): V

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: 5.037 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

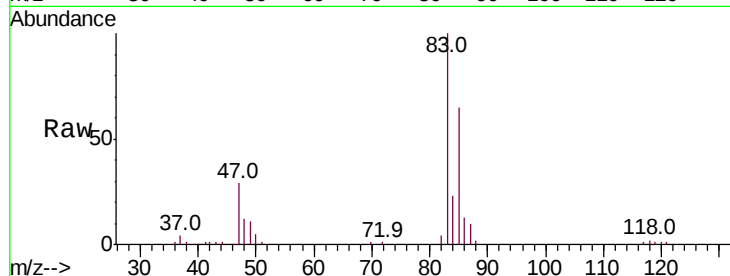
VICV49

Tot Ion: 83 Resp: 119279

Ion Ratio Lower Upper

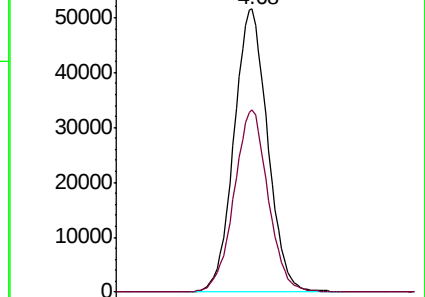
83 100

85 64.5 45.0 83.6

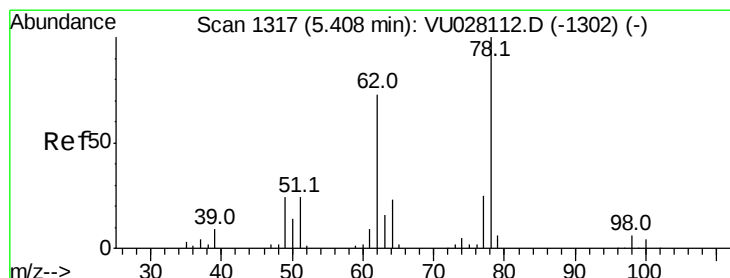
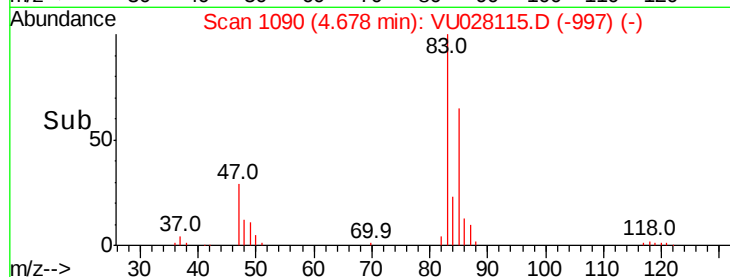


Abundance Ion 83.05 (82.75 to 83.75): VU028112.D (-1070) (-)

Ion 85.00 (84.70 to 85.70): VU028115.D (-997) (-)



Time-->



#27

1,2-Dichloroethane

Concen: 4.971 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU028115.D

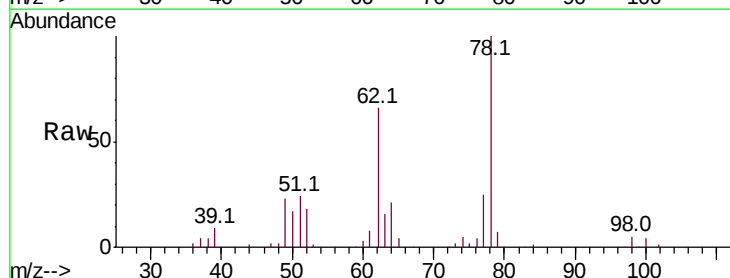
Acq: 14 Nov 2018 12:09

Tgt Ion: 62 Resp: 77373

Ion Ratio Lower Upper

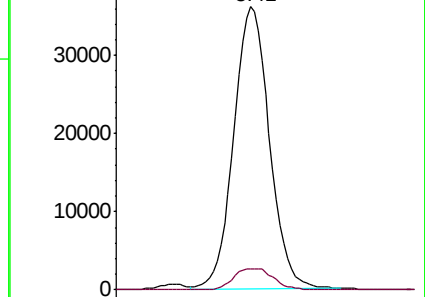
62 100

98 7.6 7.0 10.4

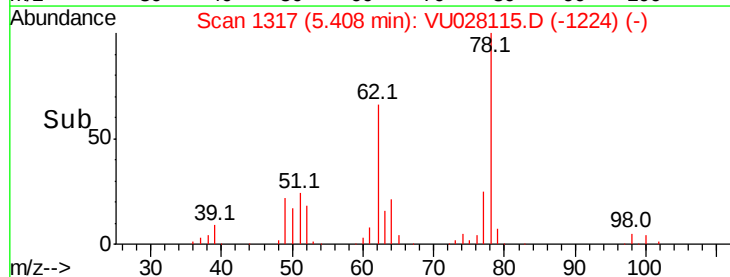


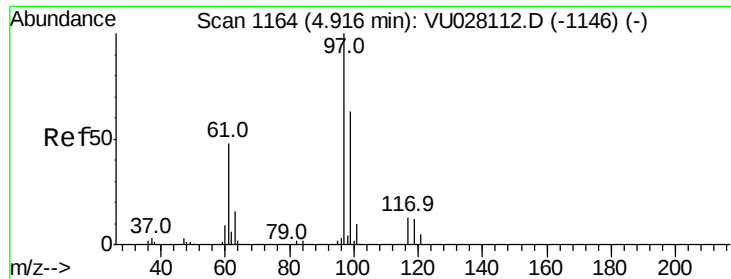
Abundance Ion 62.00 (61.70 to 62.70): VU028112.D (-1302) (-)

Ion 98.05 (97.75 to 98.75): VU028115.D (-1224) (-)



Time-->

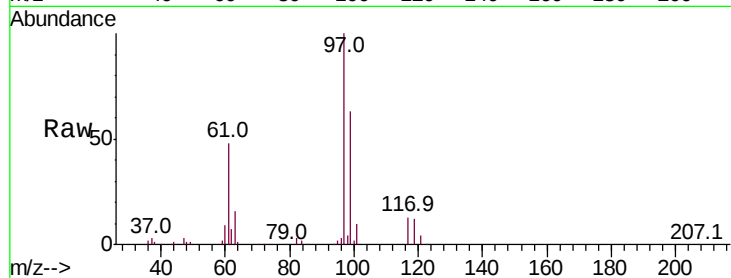




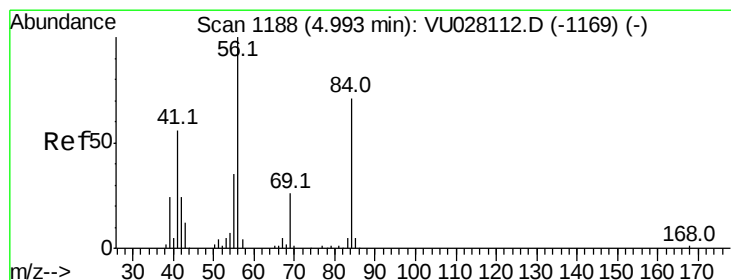
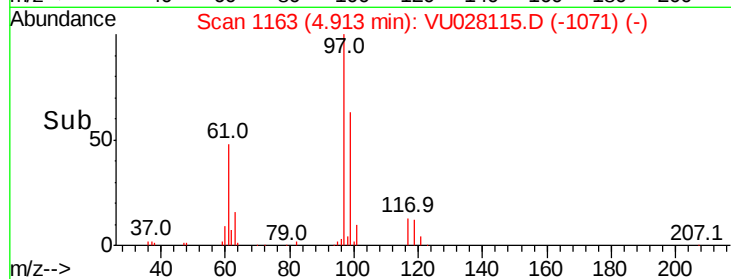
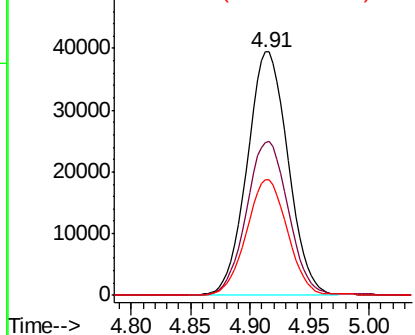
#29
 1,1,1-Trichloroethane
 Concen: 4.975 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV49

Tot Ion: 97 Resp: 94234
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.2 76.8
 61 47.4 39.4 59.2

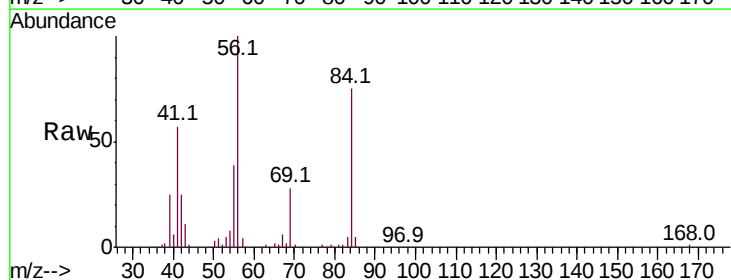


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

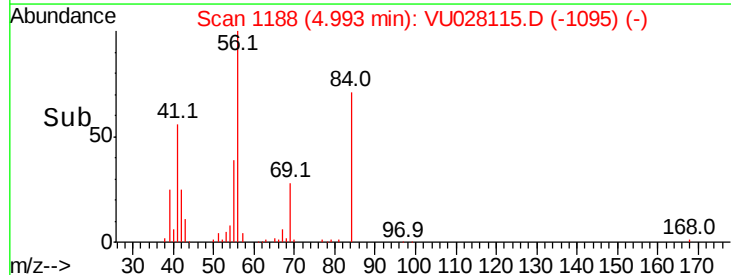
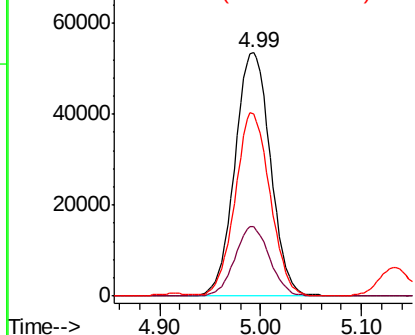


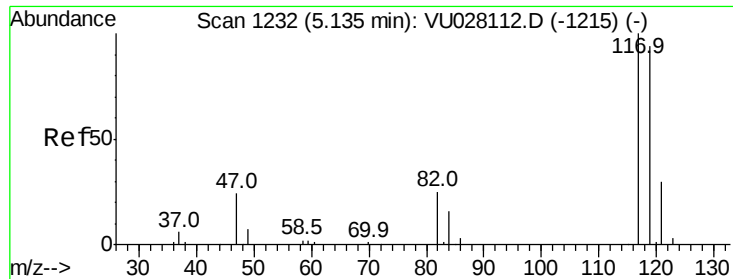
#30
 Cyclohexane
 Concen: 4.930 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Tgt Ion: 56 Resp: 130925
 Ion Ratio Lower Upper
 56 100
 69 27.8 22.6 33.8
 84 73.7 57.7 86.5



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

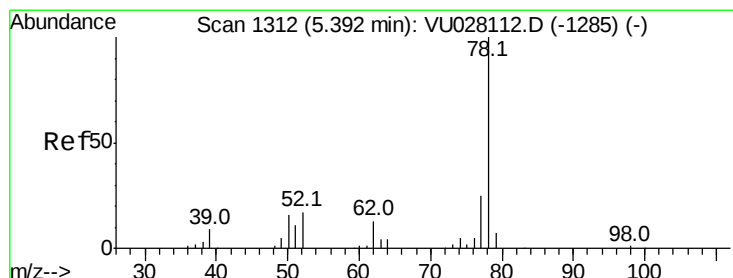
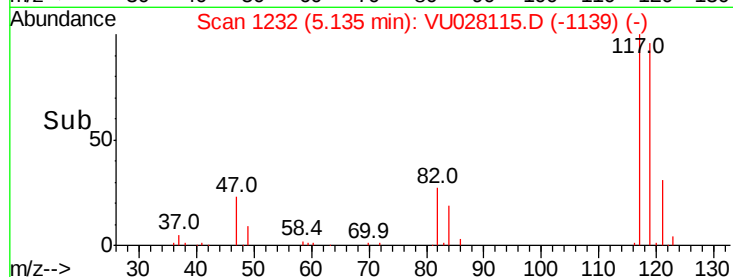
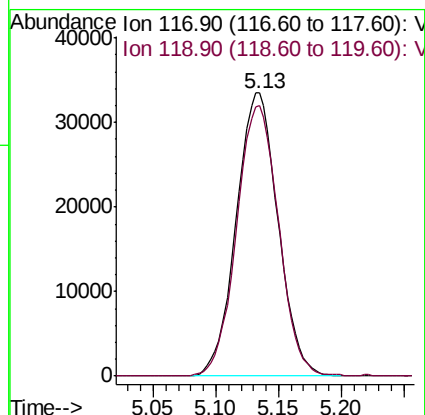
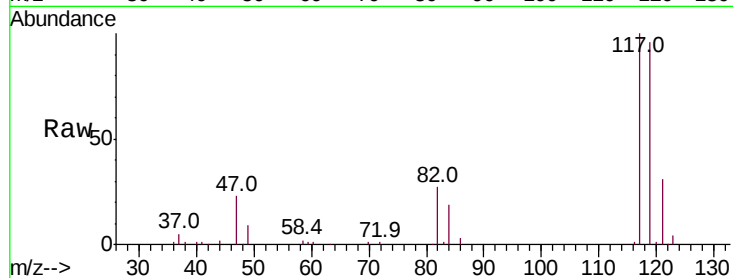




#31
Carbon tetrachloride
Concen: 4.931 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

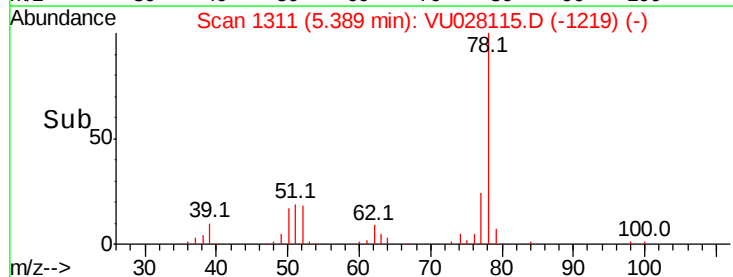
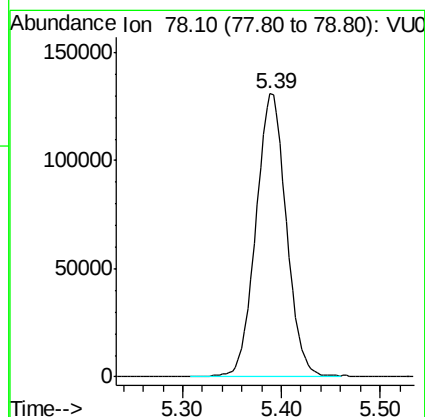
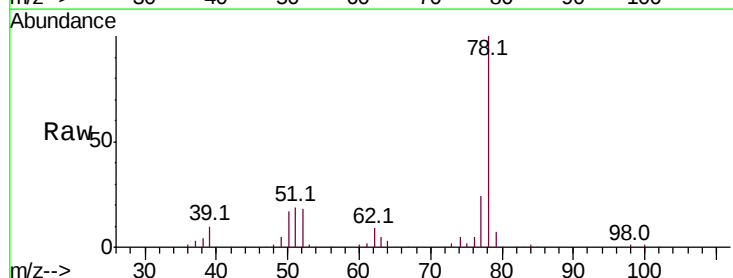
Instrument :
MSVOA_U
ClientSampleId :
VICV49

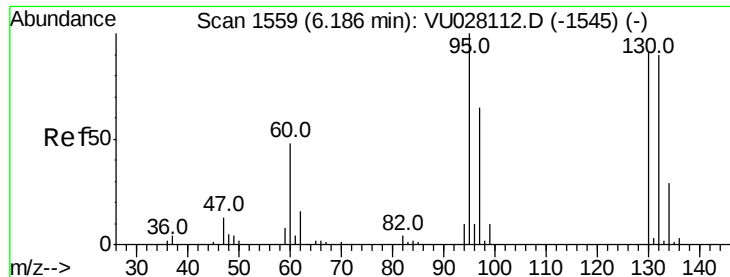
Tot Ion:117 Resp: 77502
Ion Ratio Lower Upper
117 100
119 96.0 75.7 113.5



#33
Benzene
Concen: 4.943 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Tgt Ion: 78 Resp: 278687





#34

Trichloroethene

Concen: 4.913 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

VICV49

Tot Ion: 95 Resp: 68449

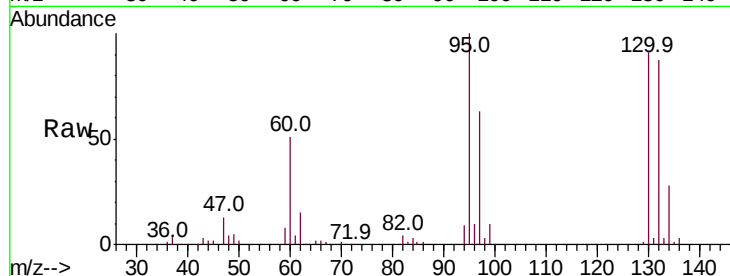
Ion Ratio Lower Upper

95 100

97 63.1 45.3 84.1

132 87.2 63.0 117.0

130 90.8 63.6 118.2

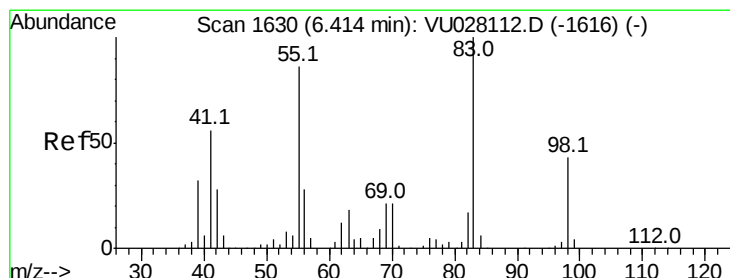
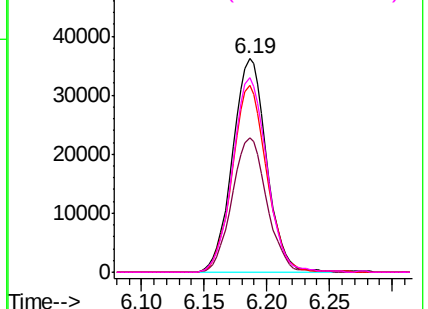
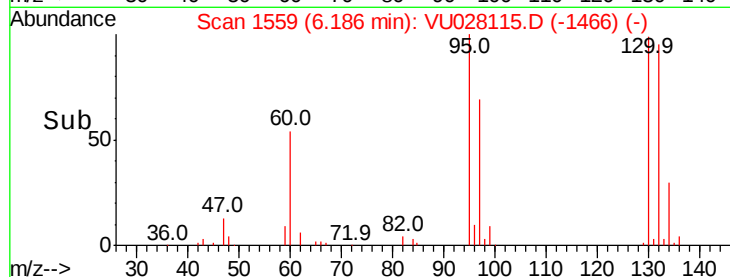


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.932 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

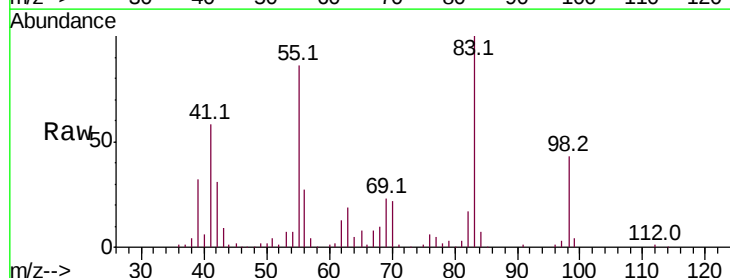
Tgt Ion: 83 Resp: 118138

Ion Ratio Lower Upper

83 100

55 87.3 69.0 103.4

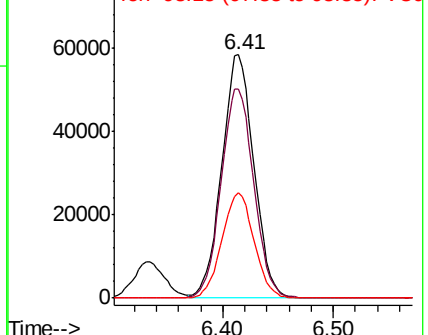
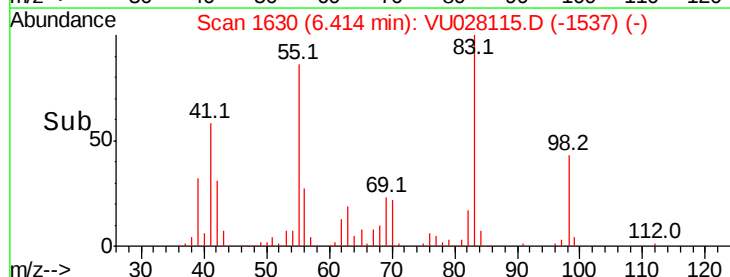
98 43.0 33.3 49.9

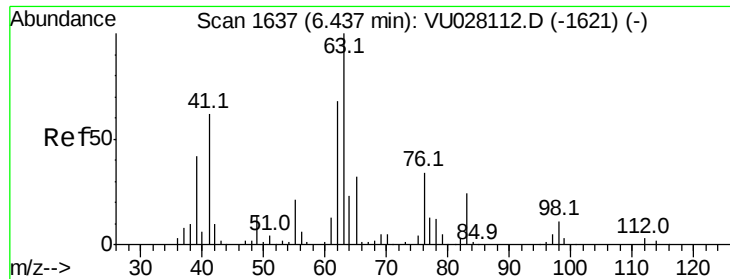


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

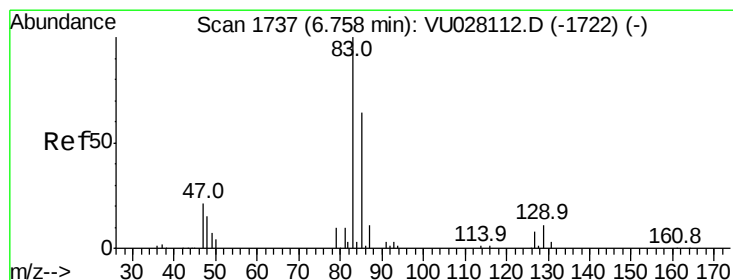
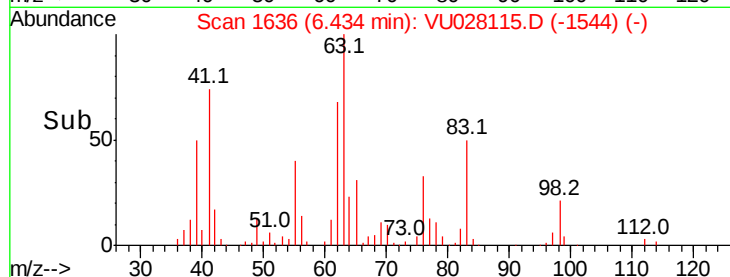
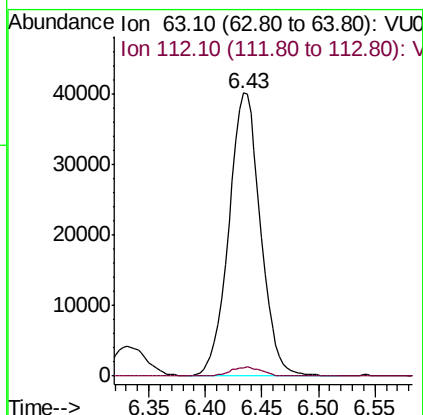
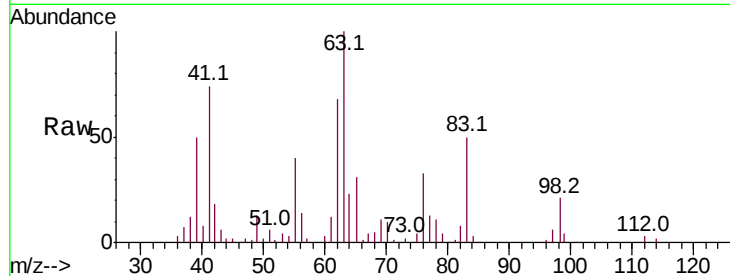




#37
 1,2-Dichloropropane
 Concen: 5.022 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

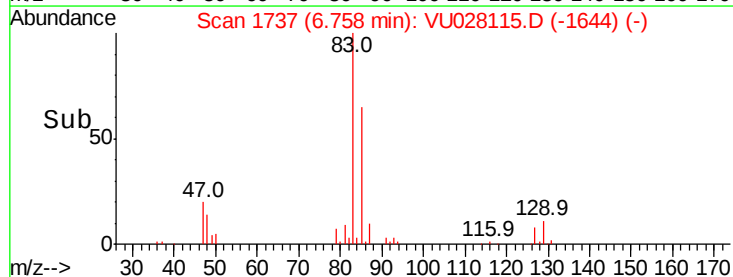
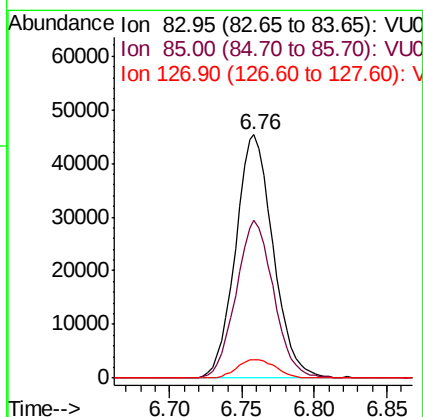
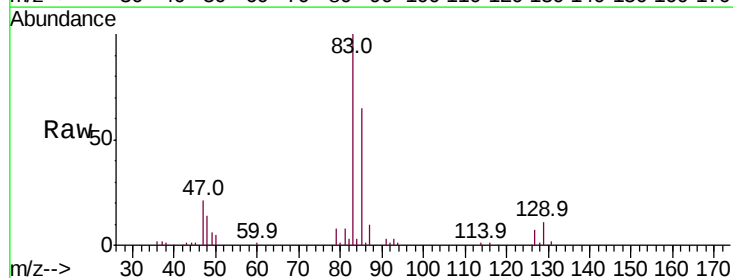
Instrument :
 MSVOA_U
 ClientSampled :
 VICV49

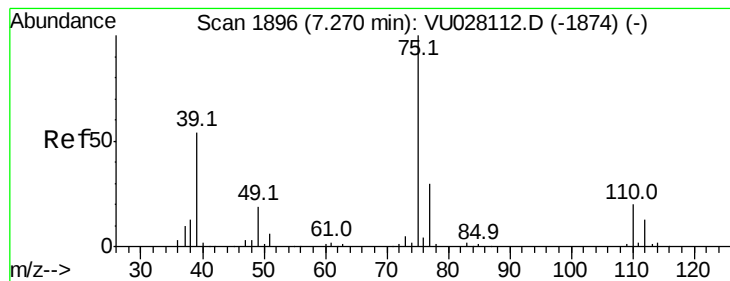
Tot Ion: 63 Resp: 78299
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.2 3.4



#38
 Bromodichloromethane
 Concen: 4.923 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Tgt Ion: 83 Resp: 81660
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.5 82.7
 127 7.4 6.8 10.2



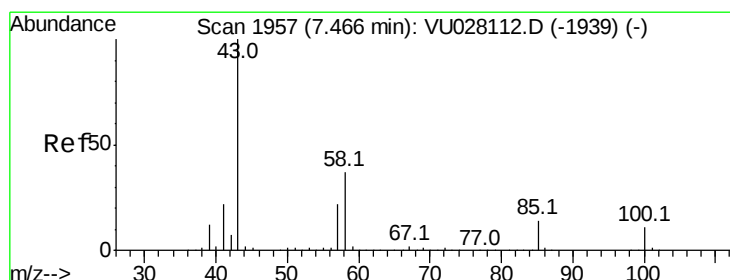
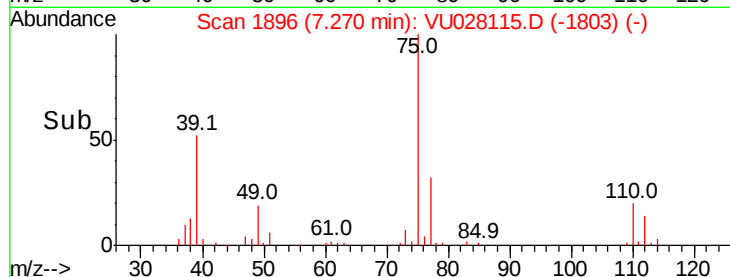
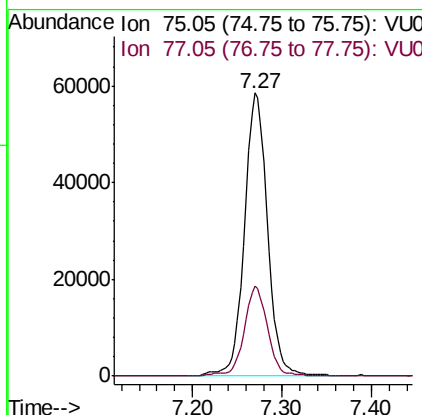
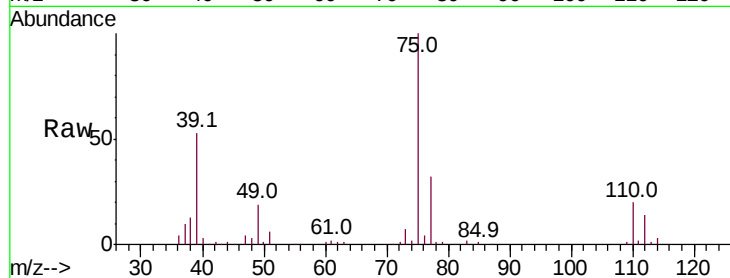


#39

cis-1,3-Dichloropropene
 Concen: 5.004 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV49

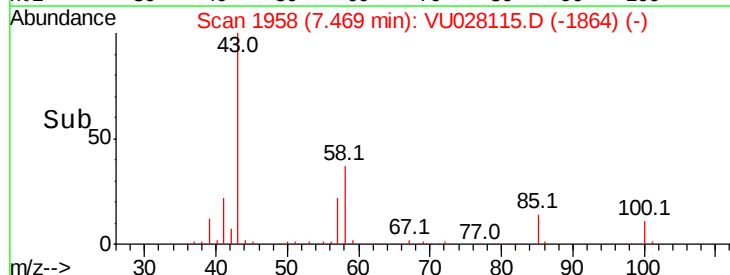
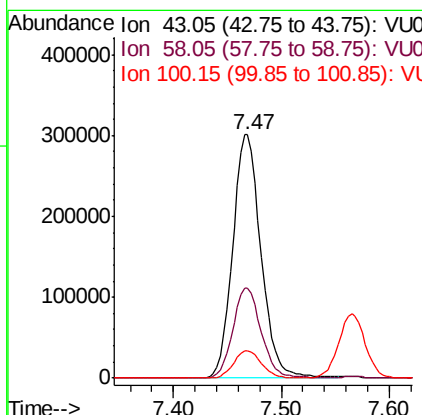
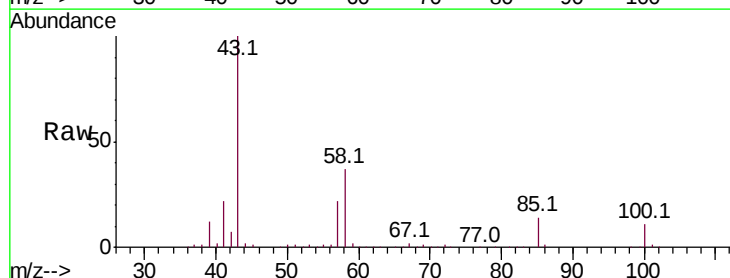
Tot Ion: 75 Resp: 105472
 Ion Ratio Lower Upper
 75 100
 77 32.0 20.9 38.9

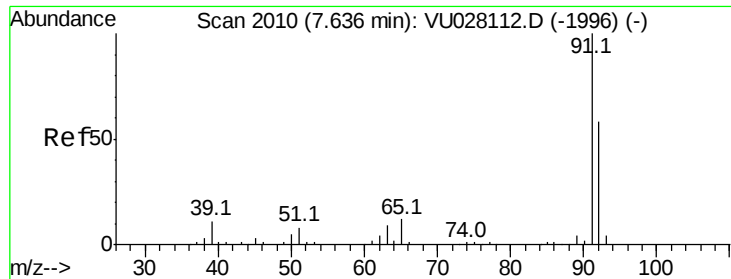


#40

4-Methyl-2-pentanone
 Concen: 51.165 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Tgt Ion: 43 Resp: 549302
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.9 44.9
 100 11.2 9.1 13.7





#42

Toluene

Concen: 4.948 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

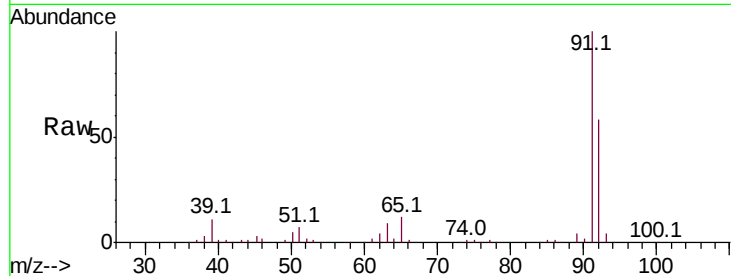
VICV49

Tot Ion: 91 Resp: 287601

Ion Ratio Lower Upper

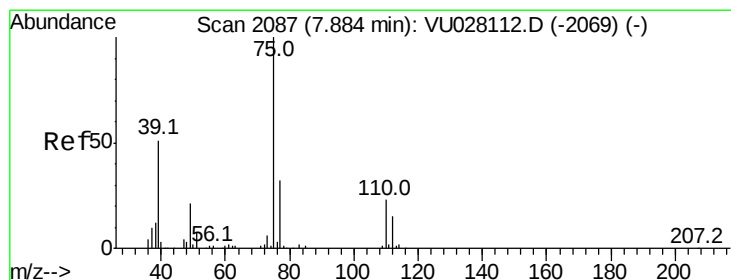
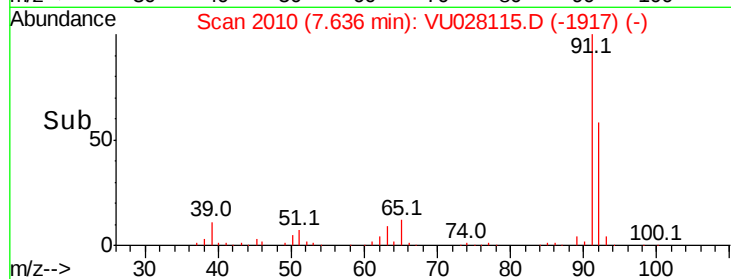
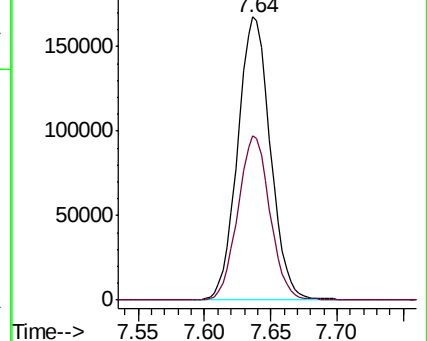
91 100

92 58.1 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.976 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU028115.D

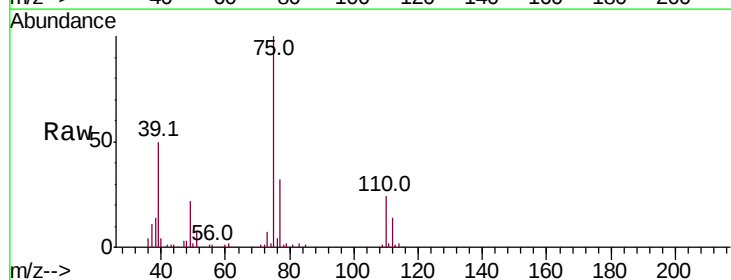
Acq: 14 Nov 2018 12:09

Tgt Ion: 75 Resp: 82181

Ion Ratio Lower Upper

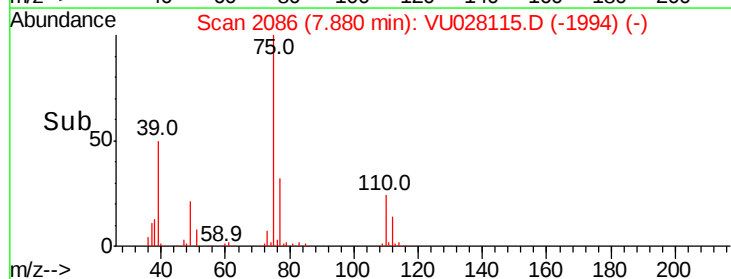
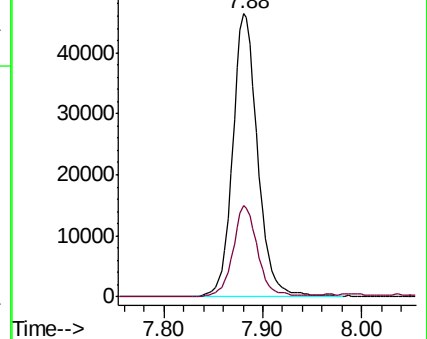
75 100

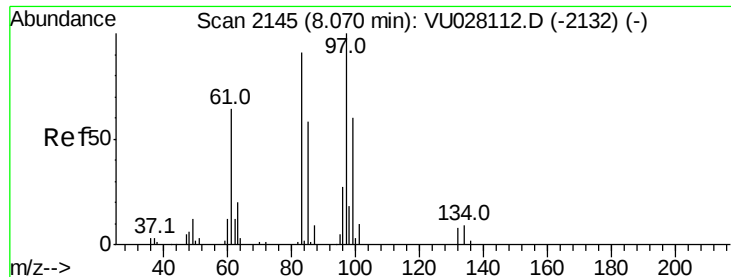
77 32.1 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



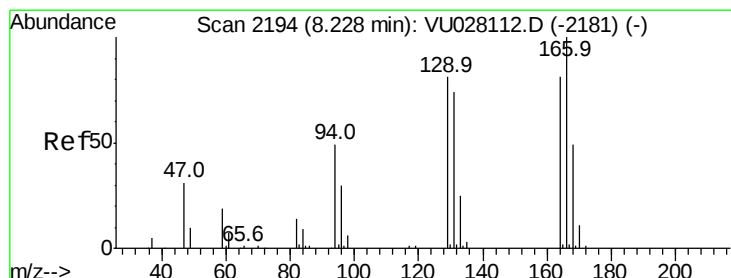
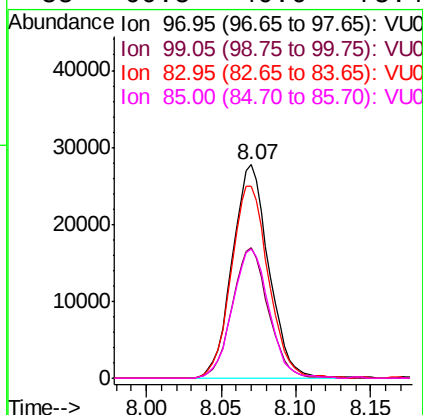
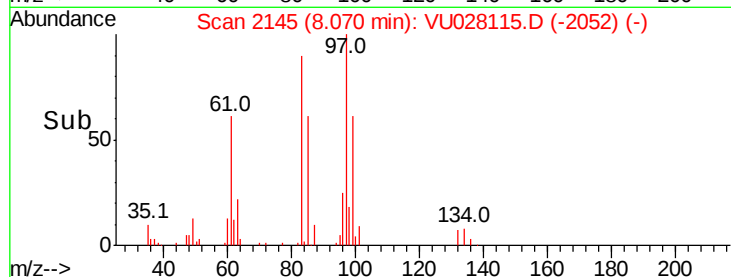
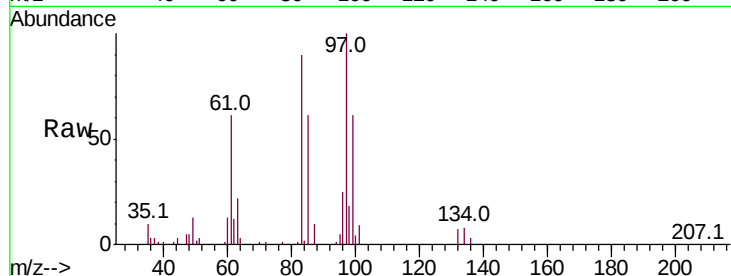


#45
1,1,2-Trichloroethane
Concen: 5.011 ug/L
RT: 8.07 min Scan# 2145
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Instrument :
MSVOA_U
ClientSampled :
VICV49

Tot Ion: 97 Resp: 47162

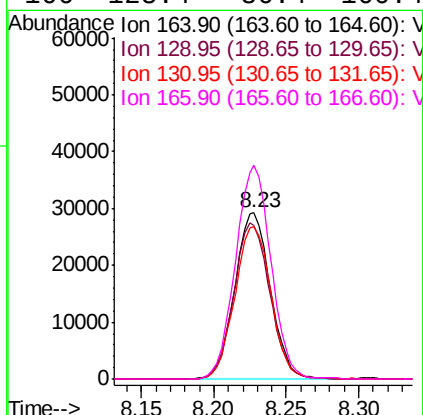
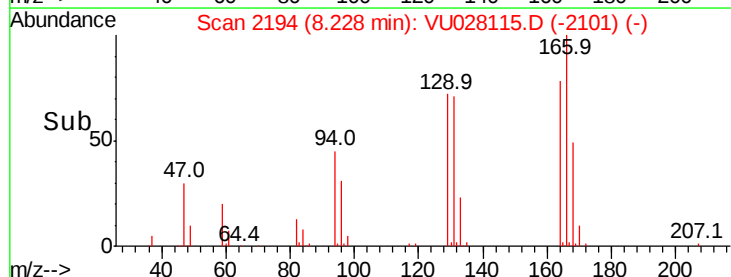
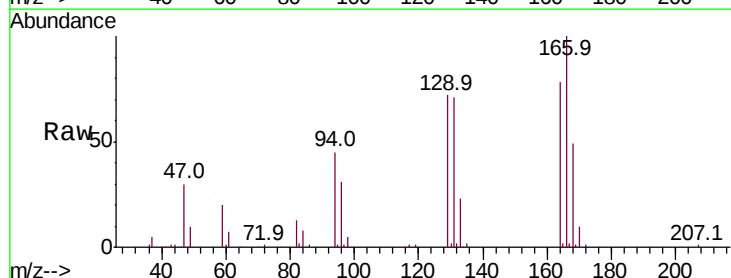
Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.1	78.1
83	89.7	63.7	118.3
85	60.5	40.6	75.4

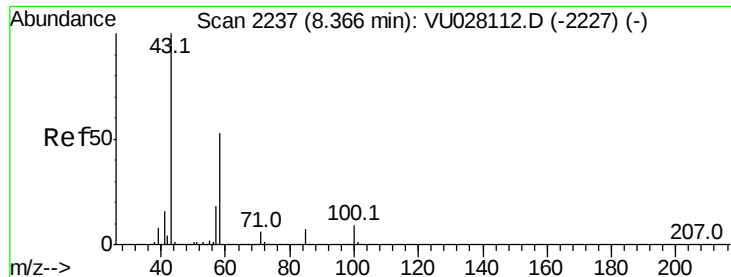


#47
Tetrachloroethene
Concen: 4.406 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Tgt Ion: 164 Resp: 49912

Ion	Ratio	Lower	Upper
164	100		
129	92.6	69.7	129.4
131	91.3	64.0	118.8
166	128.4	86.4	160.4

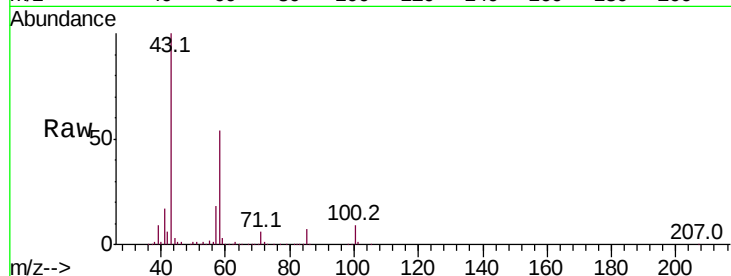




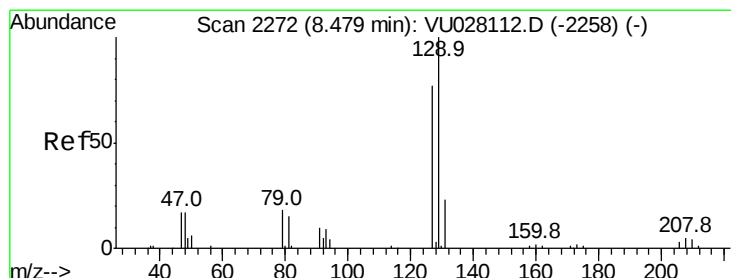
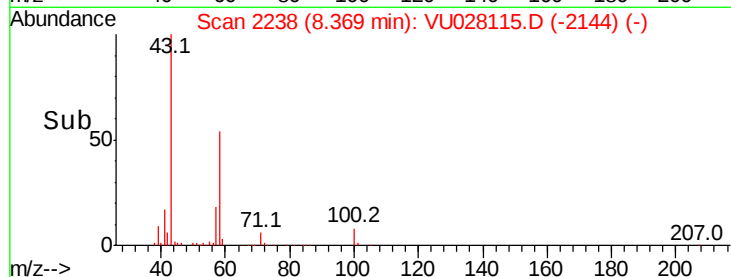
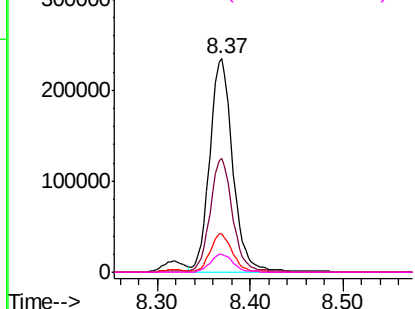
#48
2-Hexanone
Concen: 53.007 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV49

Tot Ion: 43 Resp: 404923
Ion Ratio Lower Upper
43 100
58 51.8 41.7 62.5
57 17.3 14.0 21.0
100 8.6 7.2 10.8

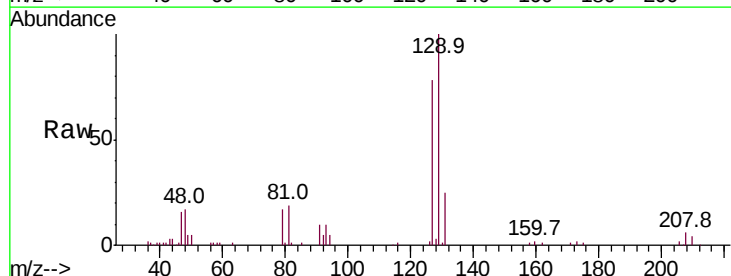


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

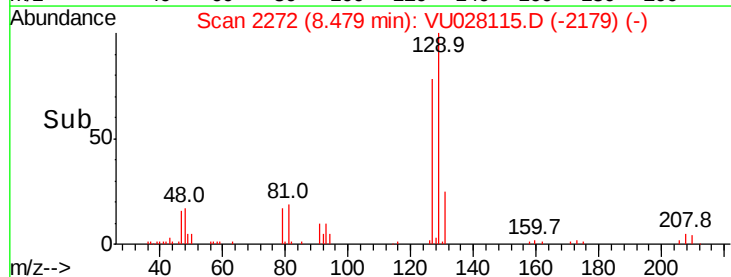
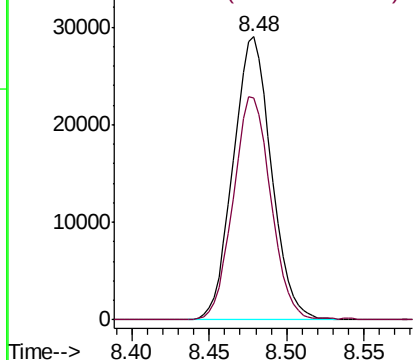


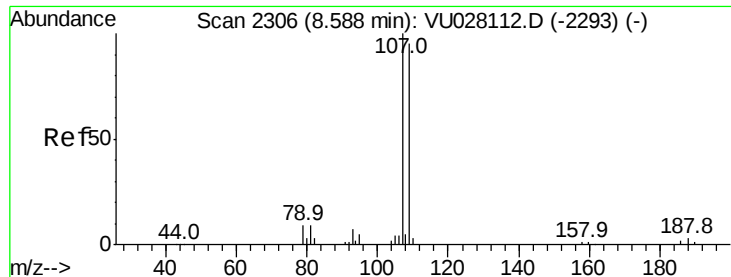
#49
Dibromochloromethane
Concen: 4.971 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Tgt Ion: 129 Resp: 49810
Ion Ratio Lower Upper
129 100
127 78.5 54.1 100.5



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

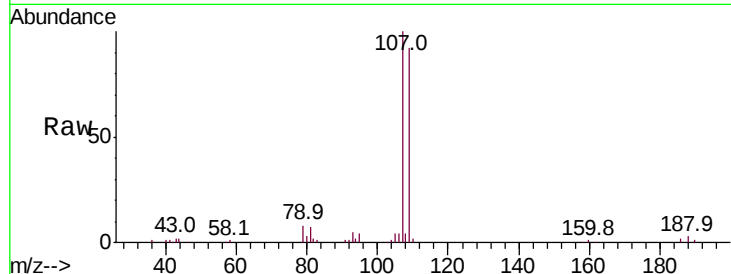




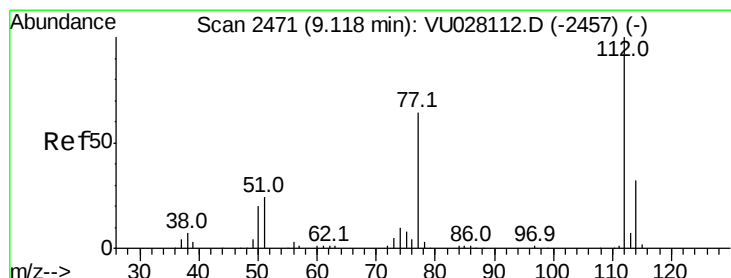
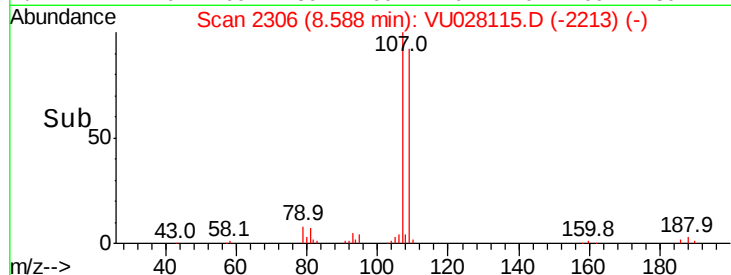
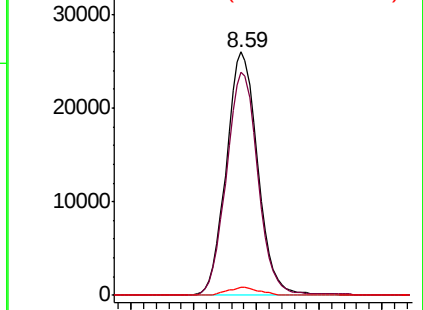
#50
1,2-Dibromoethane
Concen: 5.101 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Instrument :
MSVOA_U
ClientSampleId :
VICV49

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	66.6	123.8
188	3.3	2.5	3.7

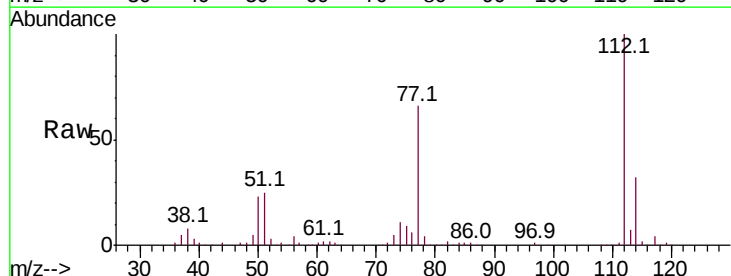


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

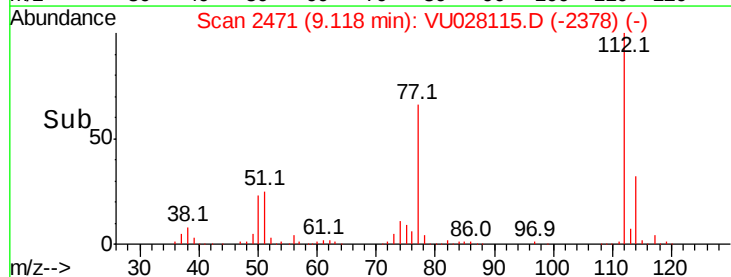
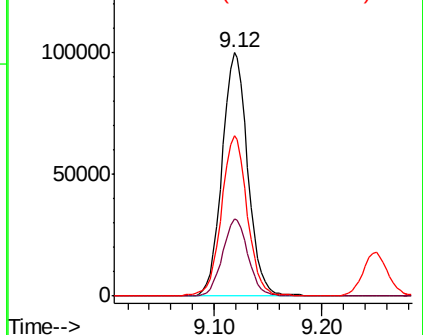


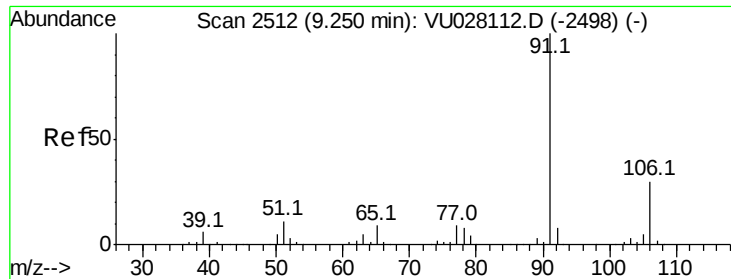
#51
Chlorobenzene
Concen: 4.865 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028115.D
Acq: 14 Nov 2018 12:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.5	41.7
77	66.1	51.3	76.9



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: 4.974 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

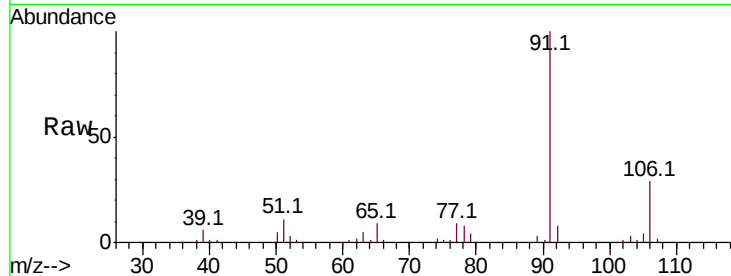
VICV49

Tot Ion: 91 Resp: 315578

Ion Ratio Lower Upper

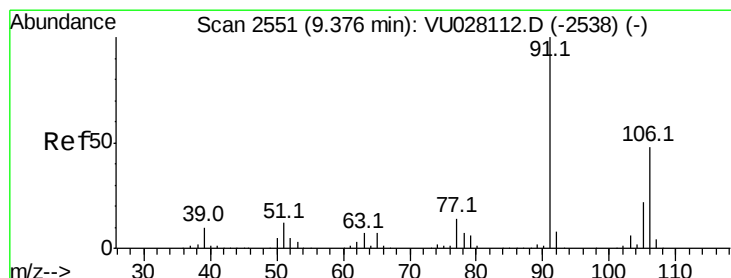
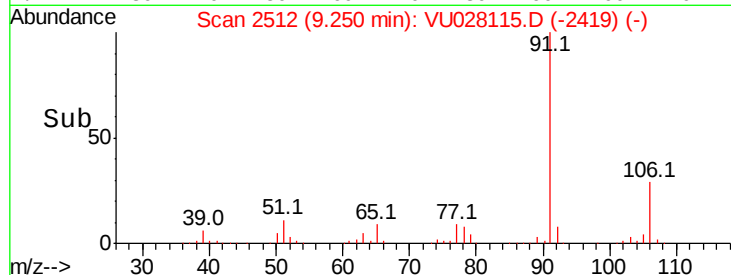
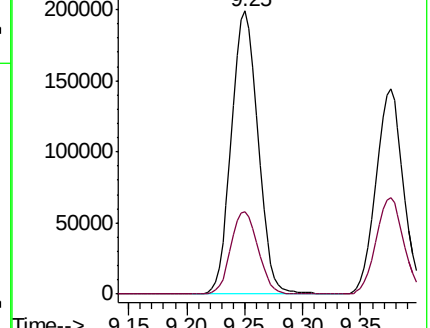
91 100

106 29.2 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU028115.D (-2498) (-)

Ion 106.15 (105.85 to 106.85): VU028115.D (-2498) (-)



#53

m,p-xylene

Concen: 4.937 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028115.D

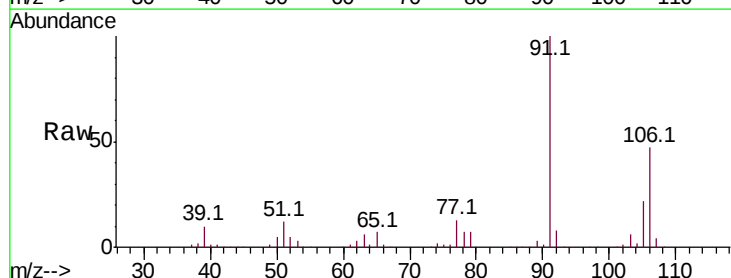
Acq: 14 Nov 2018 12:09

Tgt Ion: 106 Resp: 114130

Ion Ratio Lower Upper

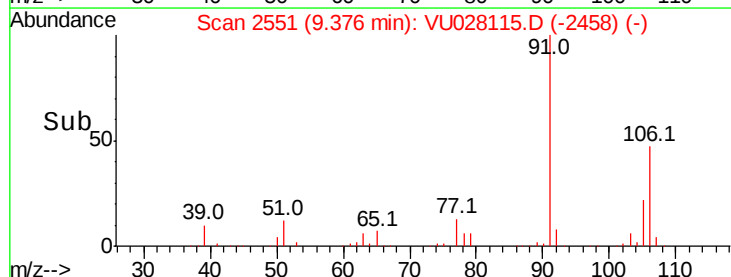
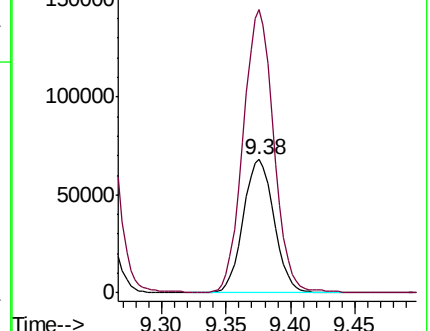
106 100

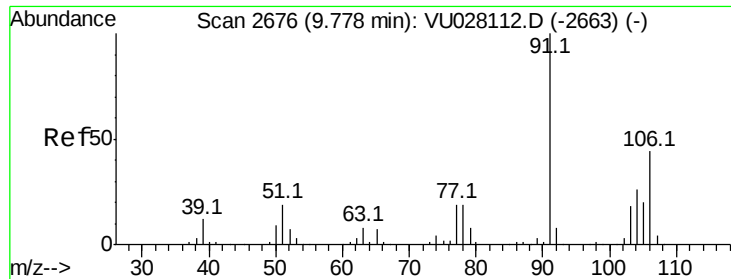
91 212.3 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): VU028115.D (-2538) (-)

Ion 91.15 (90.85 to 91.85): VU028115.D (-2538) (-)





#54

o-xylene

Concen: 5.035 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

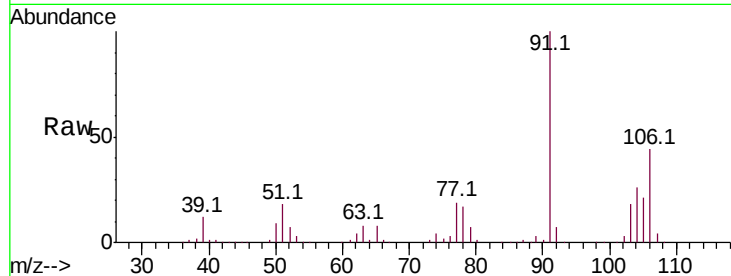
VICV49

Tot Ion:106 Resp: 112051

Ion Ratio Lower Upper

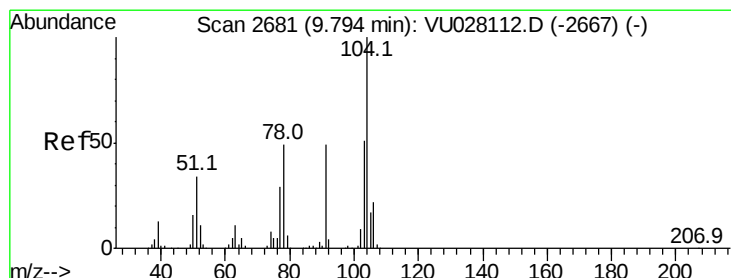
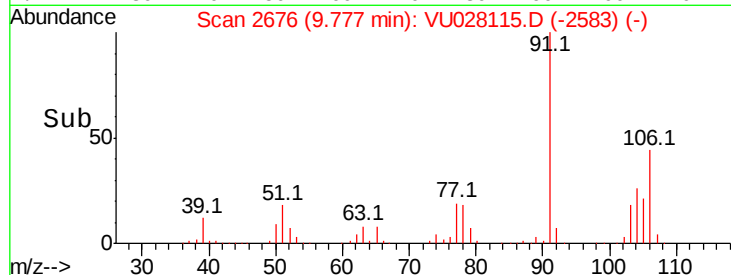
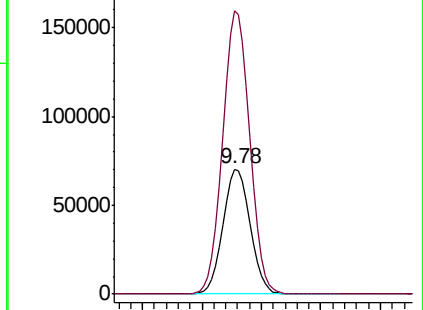
106 100

91 226.9 158.7 294.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.896 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU028115.D

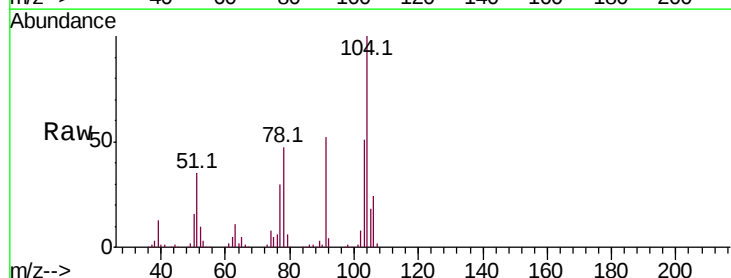
Acq: 14 Nov 2018 12:09

Tgt Ion:104 Resp: 184251

Ion Ratio Lower Upper

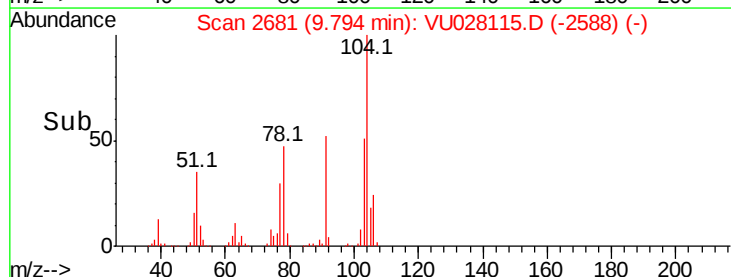
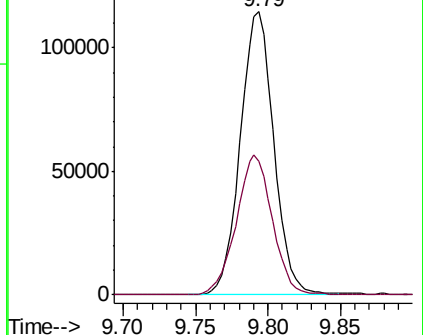
104 100

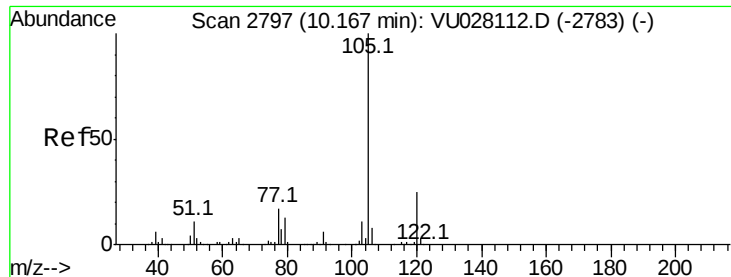
78 47.3 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.854 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

VICV49

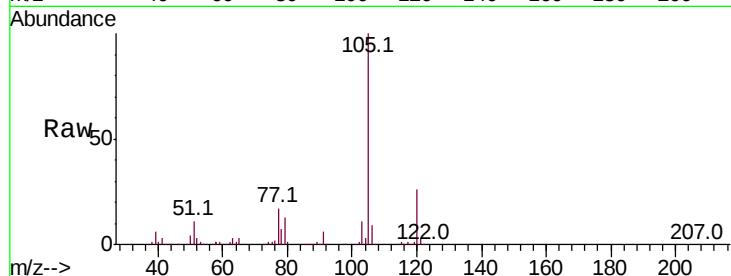
Tot Ion:105 Resp: 292161

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

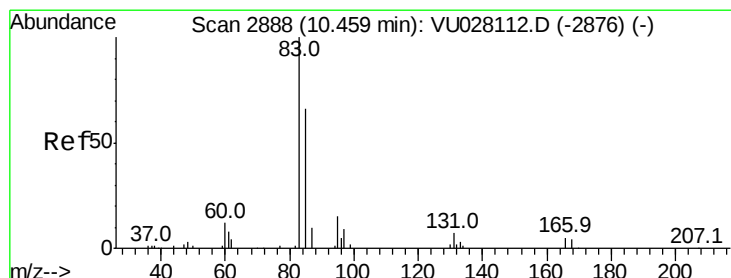
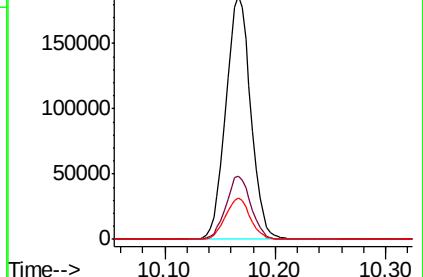
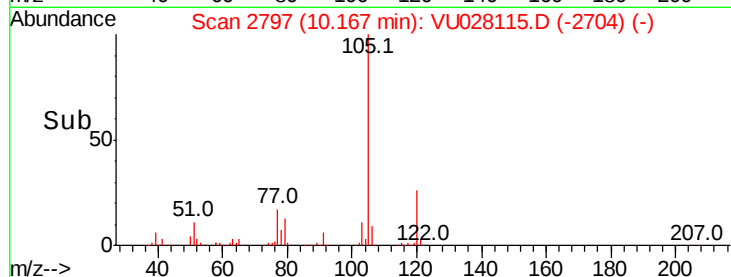
77 16.8 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.120 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

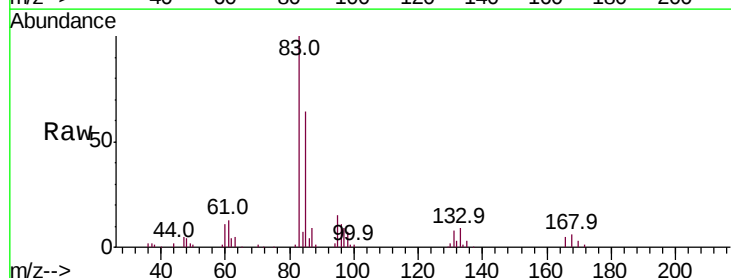
Tgt Ion: 83 Resp: 62118

Ion Ratio Lower Upper

83 100

85 63.6 46.7 86.7

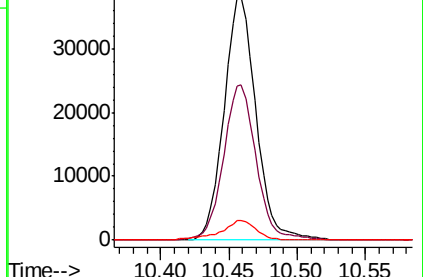
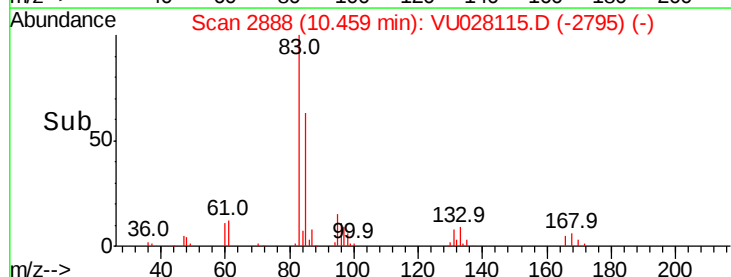
131 8.2 5.9 8.9

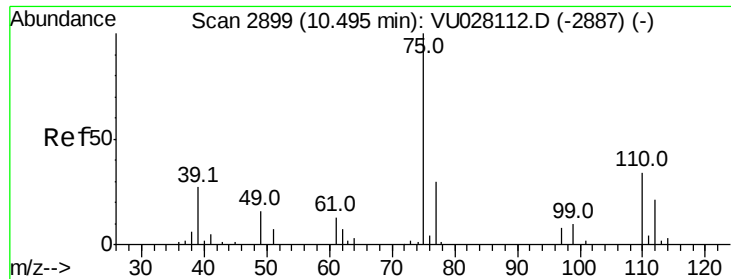


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.869 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

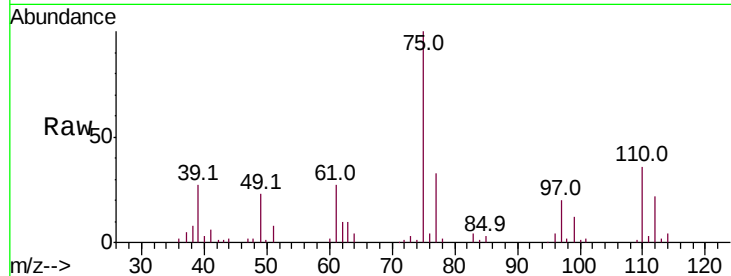
VICV49

Tot Ion: 75 Resp: 42638

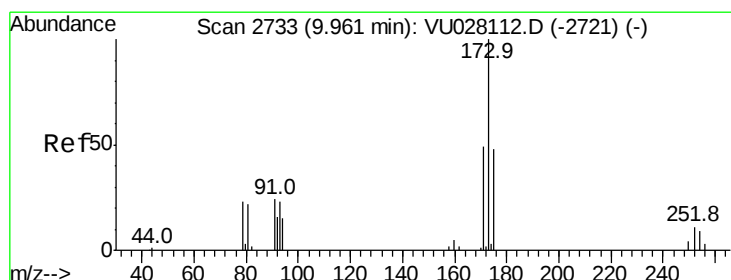
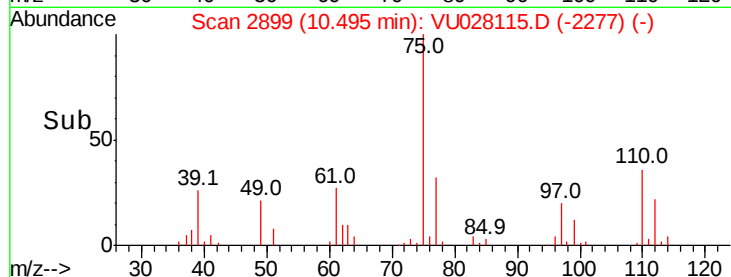
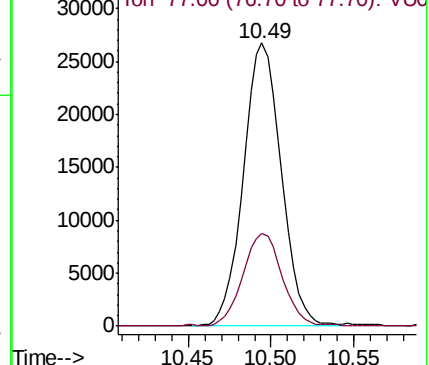
Ion Ratio Lower Upper

75 100

77 34.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU028112.D (-2887) (-)



#61

Bromoform

Concen: 5.181 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

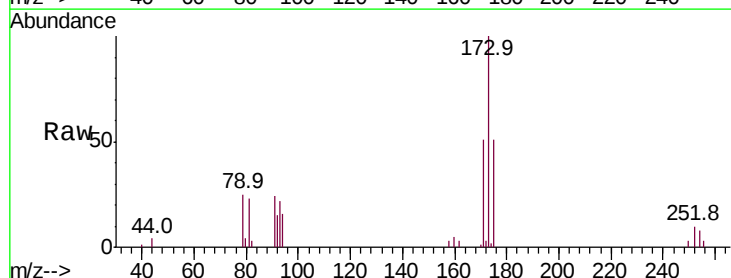
Tgt Ion:173 Resp: 26849

Ion Ratio Lower Upper

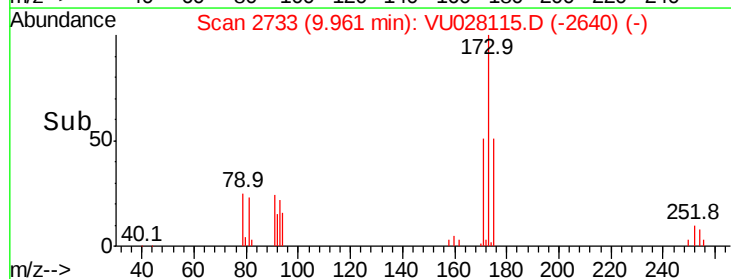
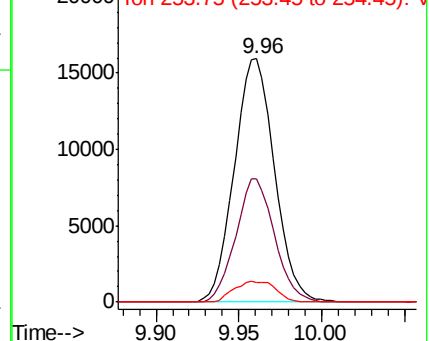
173 100

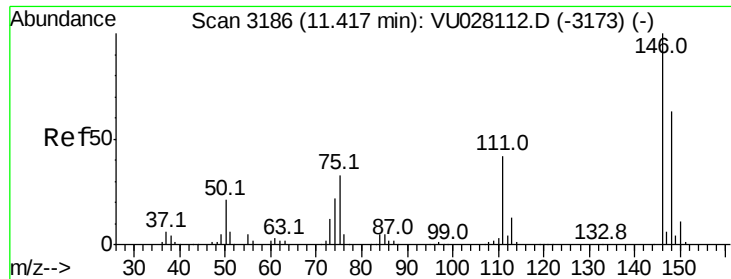
175 48.7 38.2 57.2

254 8.8 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU028112.D (-2721) (-)





#62

1,3-Dichlorobenzene

Concen: 5.134 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampled :

VICV49

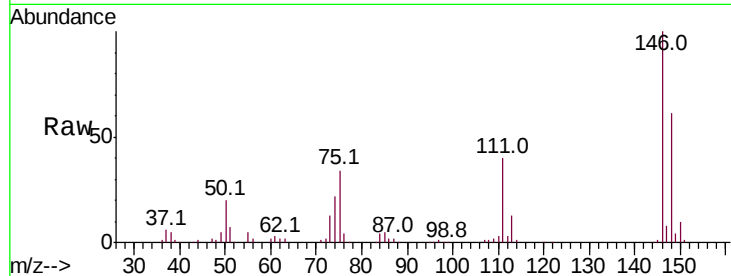
Tot Ion:146 Resp: 124404

Ion Ratio Lower Upper

146 100

111 40.3 29.3 54.3

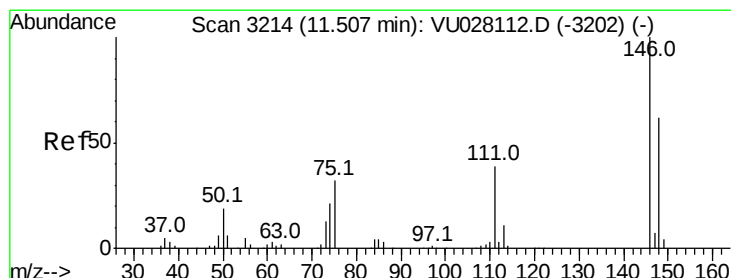
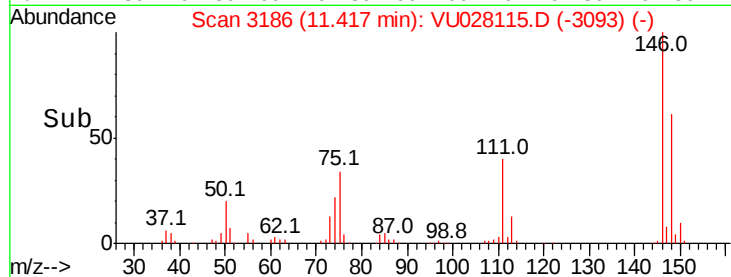
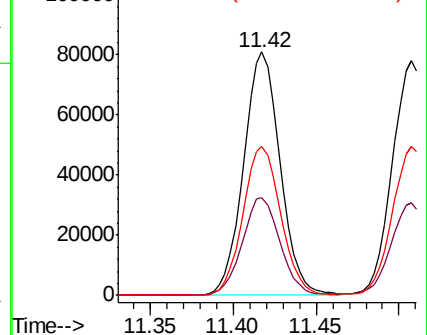
148 61.0 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.133 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

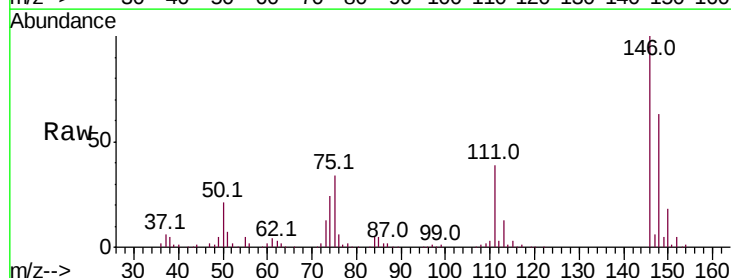
Tgt Ion:146 Resp: 125918

Ion Ratio Lower Upper

146 100

111 39.2 27.4 51.0

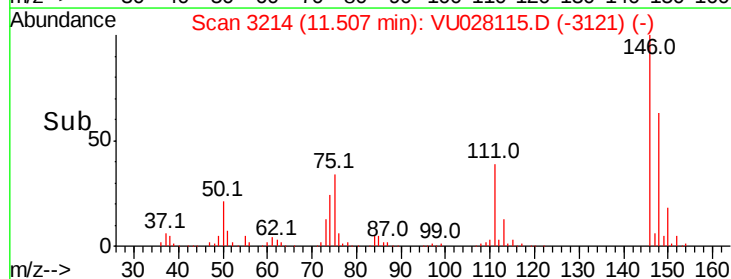
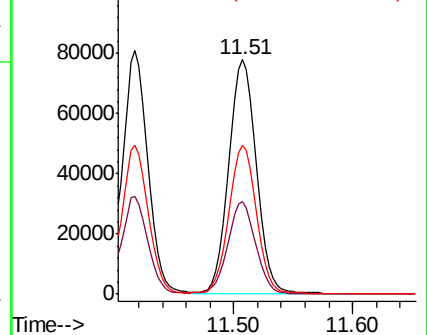
148 63.5 43.8 81.3

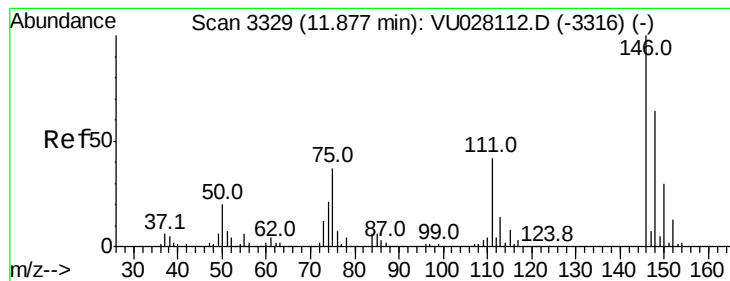


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.122 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampleId :

VICV49

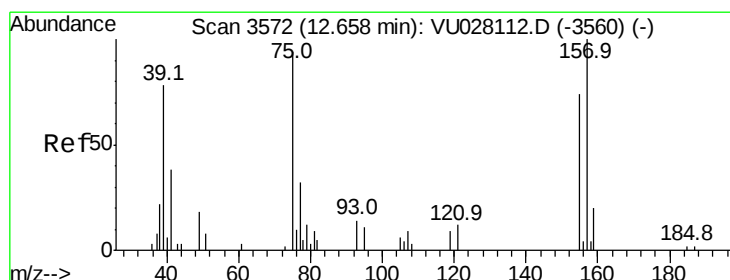
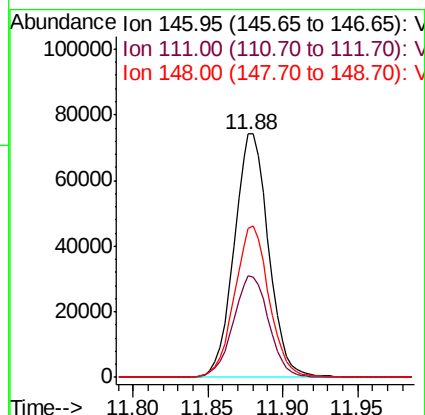
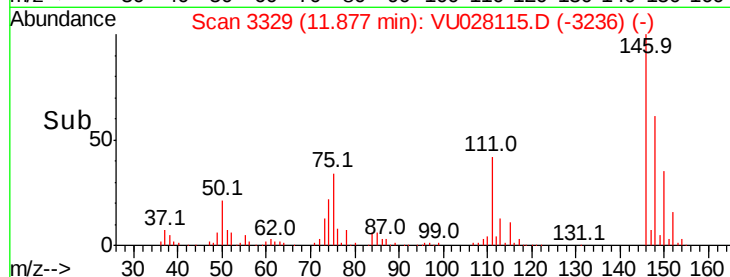
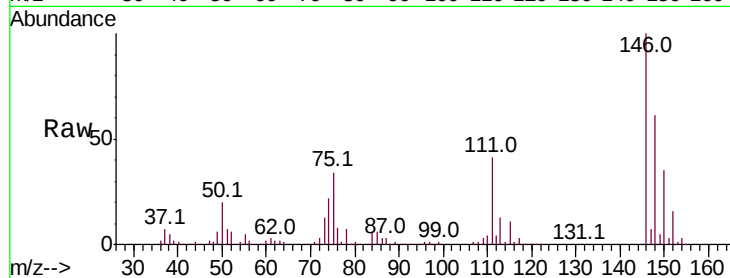
Tot Ion:146 Resp: 118694

Ion Ratio Lower Upper

146 100

111 41.5 33.9 50.9

148 61.2 50.9 76.3



#66

1,2-Dibromo-3-chloropropane

Concen: 5.486 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

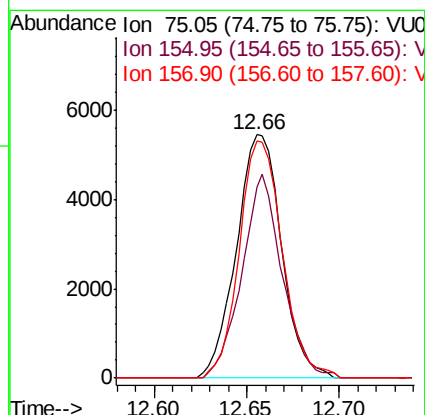
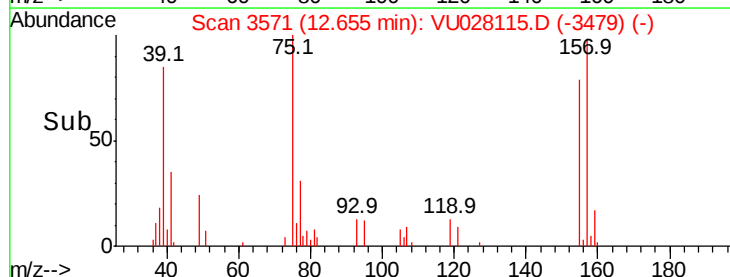
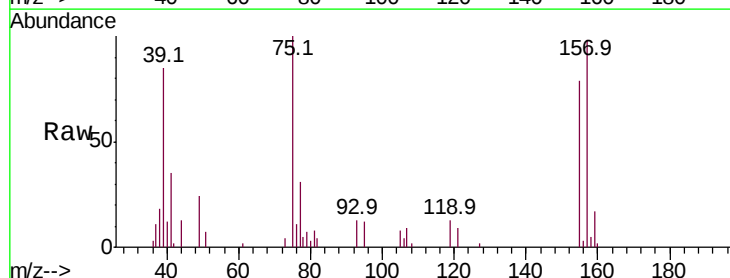
Tgt Ion: 75 Resp: 9225

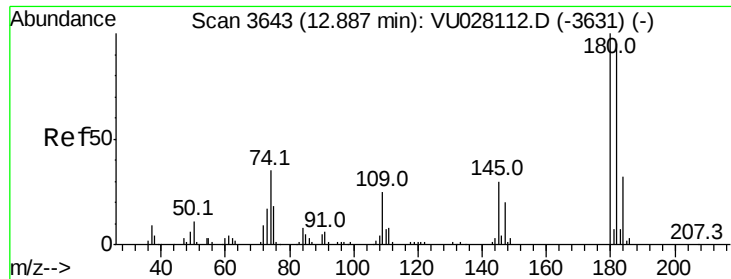
Ion Ratio Lower Upper

75 100

155 78.7 62.8 94.2

157 97.7 85.3 127.9

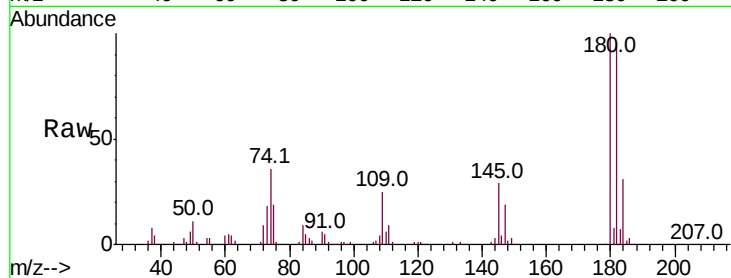




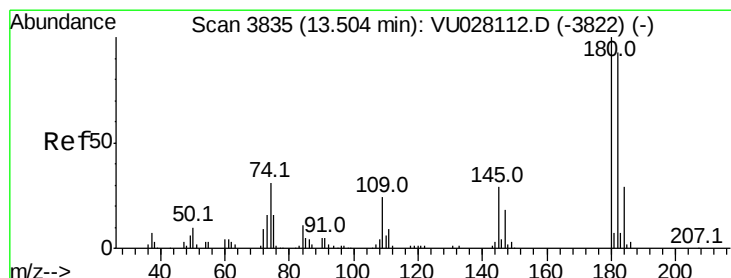
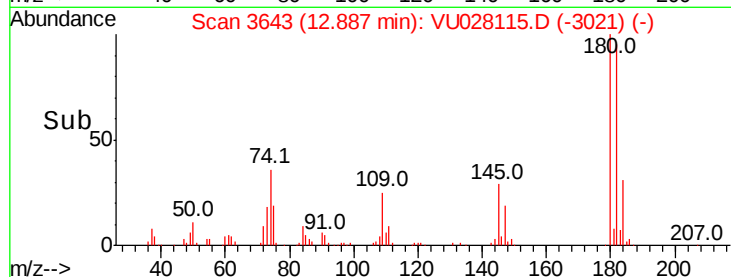
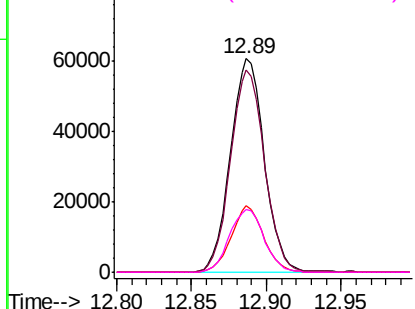
#67
 1,3,5-Trichlorobenzene
 Concen: 5.149 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV49

Tot Ion:180 Resp: 95720
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.6 114.8
 184 29.7 24.7 37.1
 145 30.0 24.0 36.0

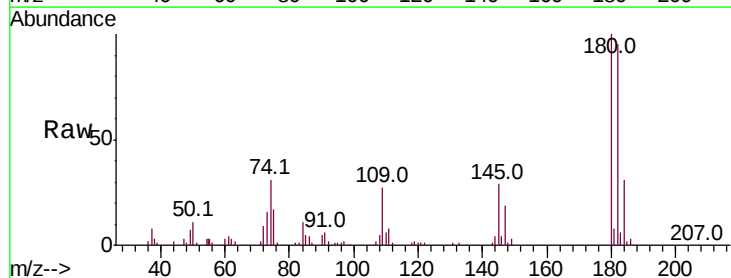


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

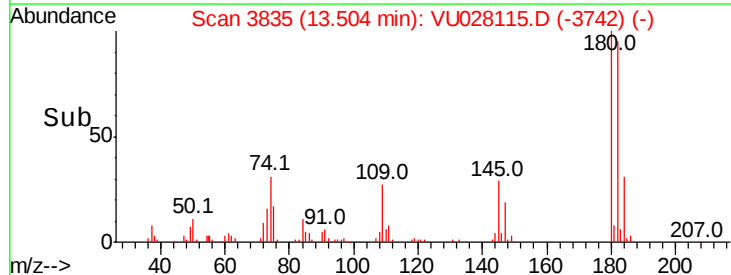
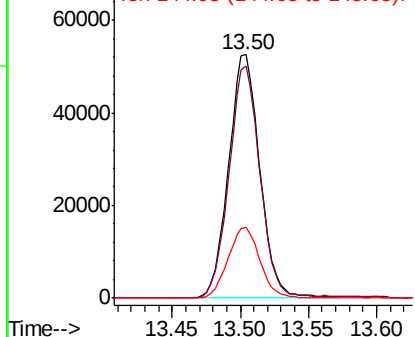


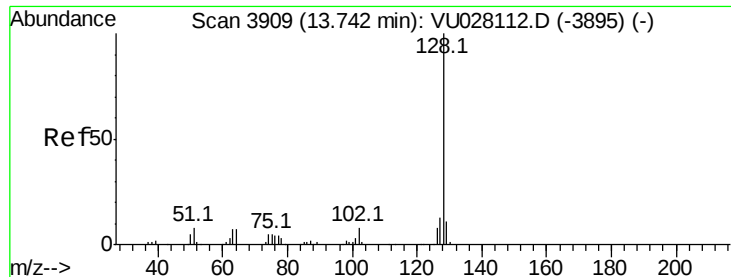
#68
 1,2,4-trichlorobenzene
 Concen: 5.148 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU028115.D
 Acq: 14 Nov 2018 12:09

Tgt Ion:180 Resp: 83414
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.1 112.7
 145 29.7 23.4 35.0



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





#69

Naphthalene

Concen: 5.327 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

Instrument :

MSVOA_U

ClientSampled :

VICV49

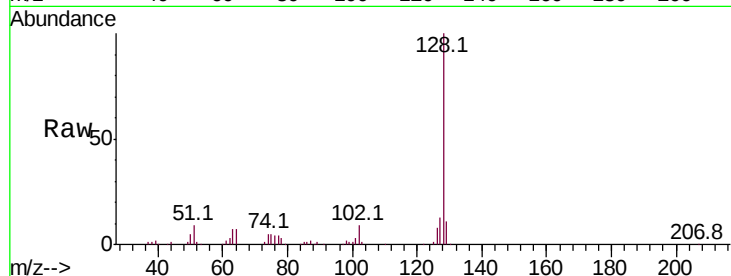
Tot Ion:128 Resp: 160848

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

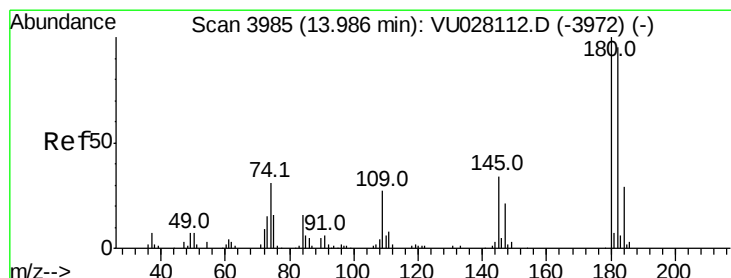
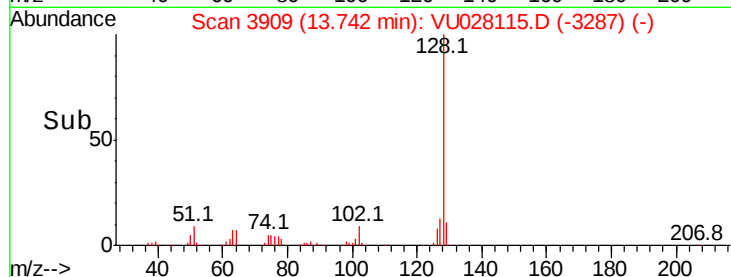
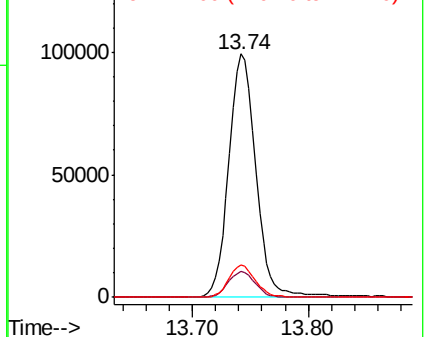
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.282 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028115.D

Acq: 14 Nov 2018 12:09

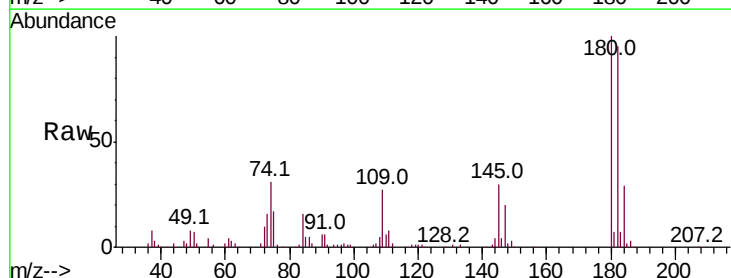
Tgt Ion:180 Resp: 78845

Ion Ratio Lower Upper

180 100

182 95.9 77.6 116.4

145 31.1 26.2 39.4



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

