

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
 Data File : VU028521.D
 Acq On : 07 Dec 2018 09:47
 Operator : MD/SY
 Sample : VSTD00554
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Quant Time: Dec 07 22:41:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 22:38:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	163058	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	154264	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71868	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	7391	5.04	ug/L	0.00
7) Chloroethane-d5	1.68	69	5685	5.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	13564	5.22	ug/L	0.00
21) 2-Butanone-d5	4.18	46	11023	9.25	ug/L	0.00
24) Chloroform-d	4.65	84	11685	4.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	7980	5.00	ug/L	0.00
32) Benzene-d6	5.34	84	23580	4.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	8668	5.02	ug/L	0.00
41) Toluene-d8	7.57	98	22118	5.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	3802	4.87	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	7413	8.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	10725	4.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	7262	5.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	7628	5.373 ug/L	100
3) Chloromethane	1.33	50	11517	5.563 ug/L	99
5) Vinyl chloride	1.41	62	10341	5.839 ug/L	99
6) Bromomethane	1.63	94	3189	6.318 ug/L	97
8) Chloroethane	1.70	64	5980	6.000 ug/L	96
9) Trichlorofluoromethane	1.89	101	10492	5.772 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	6131	5.767 ug/L	99
12) 1,1-Dichloroethene	2.29	96	5913	5.798 ug/L #	77
13) Acetone	2.32	43	17903	14.433 ug/L	97
14) Carbon disulfide	2.48	76	22936	5.962 ug/L	98
15) Methyl Acetate	2.62	43	10490	5.759 ug/L	98
16) Methylene chloride	2.70	84	8071	6.117 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	7038	6.075 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	23167	5.765 ug/L	99
19) 1,1-Dichloroethane	3.45	63	14925	5.956 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	7786	5.826 ug/L	99
22) 2-Butanone	4.27	43	18629	12.160 ug/L	96
23) Bromochloromethane	4.55	128	3624	6.186 ug/L	89
25) Chloroform	4.67	83	13588	5.934 ug/L	94
27) 1,2-Dichloroethane	5.40	62	11184	5.897 ug/L	98
29) Cyclohexane	5.00	56	14262	5.767 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	10904	6.023 ug/L	98
31) Carbon tetrachloride	5.13	117	8456	5.807 ug/L	96
33) Benzene	5.39	78	30913	5.882 ug/L	100
34) Trichloroethene	6.19	95	7623	6.033 ug/L	96
35) Methylcyclohexane	6.42	83	12724	5.822 ug/L	98
37) 1,2-Dichloropropane	6.43	63	9318	5.982 ug/L #	96
38) Bromodichloromethane	6.76	83	10071	5.839 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	12611	5.697 ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	26669	10.912 ug/L	99

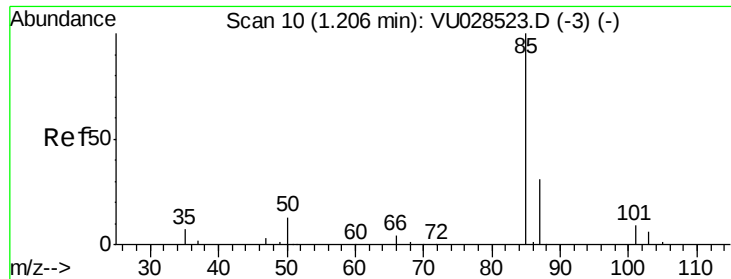
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
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 QLast Update : Fri Dec 07 22:38:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	30551	5.724	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	11973	5.903	ug/L	94
45) 1,1,2-Trichloroethane	8.07	97	7131	5.866	ug/L	96
46) Tetrachloroethene	8.23	164	5194	5.866	ug/L	93
48) 2-Hexanone	8.36	43	23216	11.325	ug/L	97
49) Dibromochloromethane	8.48	129	7323	5.919	ug/L	97
50) 1,2-Dibromoethane	8.59	107	7334	5.647	ug/L	98
51) Chlorobenzene	9.12	112	18890	5.926	ug/L	96
52) Ethylbenzene	9.25	91	34417	5.836	ug/L	99
53) m,p-Xylene	9.37	106	12787	6.063	ug/L	95
54) o-xylene	9.78	106	12022	5.766	ug/L	97
55) Styrene	9.79	104	19697	5.511	ug/L	98
56) Isopropylbenzene	10.17	105	30862	5.605	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	12886	5.721	ug/L	95
59) 1,2,3-Trichloropropane	10.49	75	10128	5.717	ug/L	98
61) Bromoform	9.96	173	5224	5.965	ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	14004	6.025	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	14207	6.064	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	13980	6.048	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	2715	5.927	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	8972	5.227	ug/L	91
68) 1,2,4-trichlorobenzene	13.50	180	9117	5.706	ug/L	98
69) Naphthalene	13.74	128	28470	5.171	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	8887	5.536	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.373 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

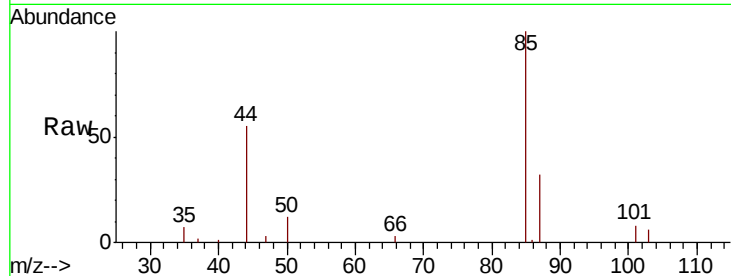
VSTD00554

Tgt Ion: 85 Resp: 7628

Ion Ratio Lower Upper

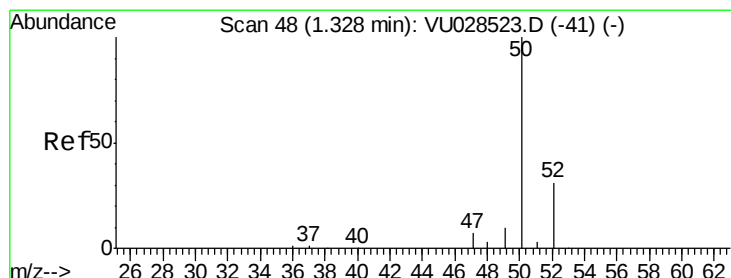
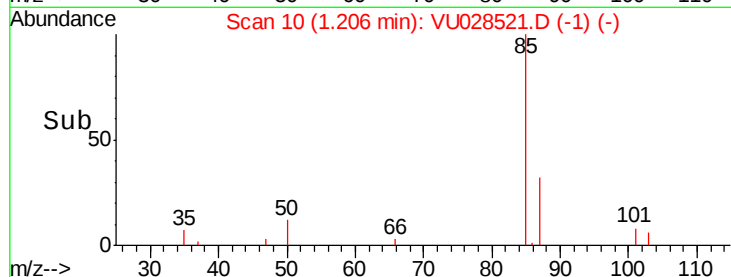
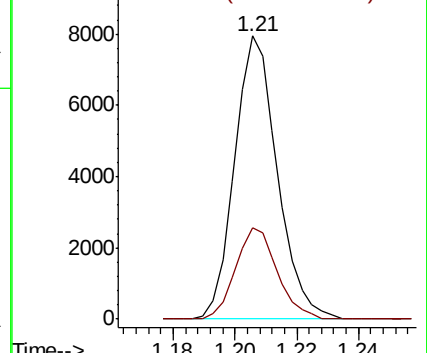
85 100

87 31.4 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.563 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028521.D

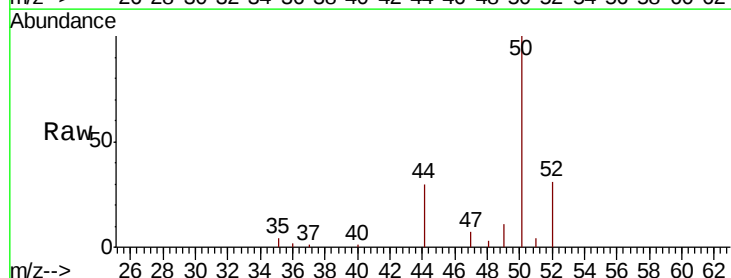
Acq: 07 Dec 2018 09:47

Tgt Ion: 50 Resp: 11517

Ion Ratio Lower Upper

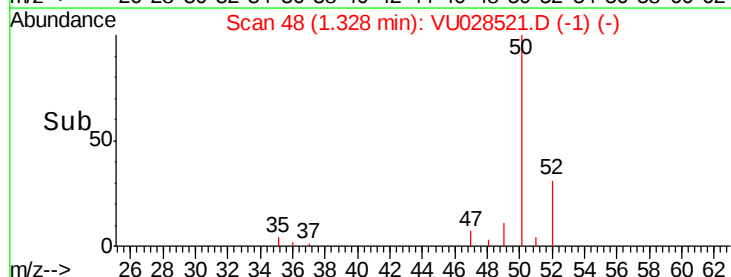
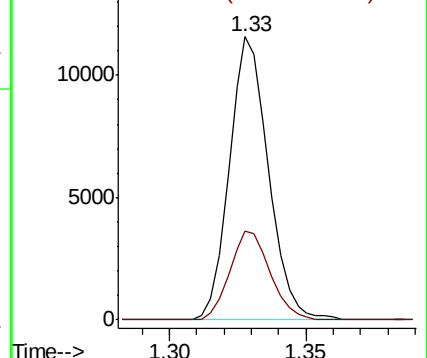
50 100

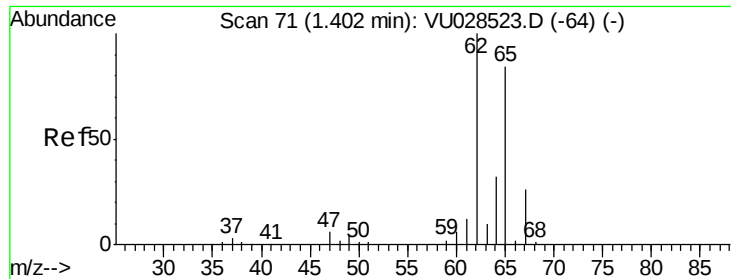
52 31.2 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 5.839 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

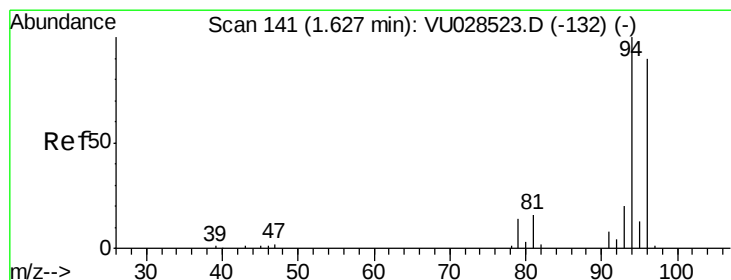
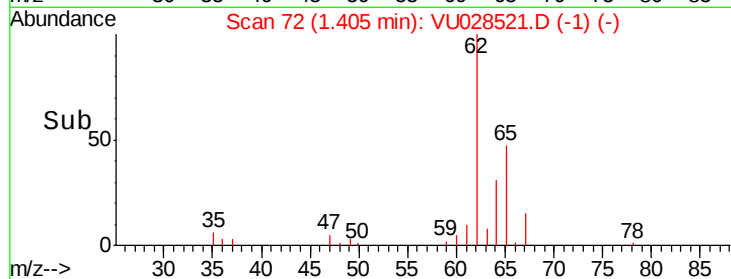
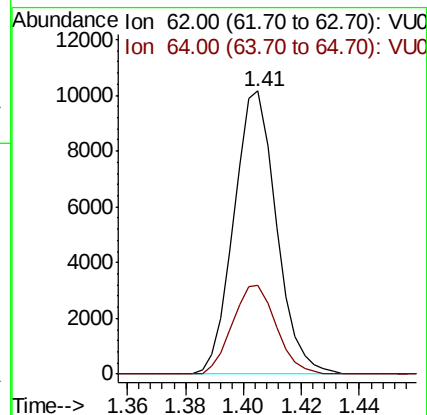
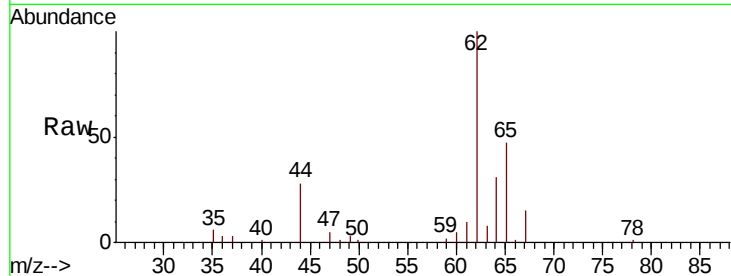
VSTD00554

Tgt Ion: 62 Resp: 10341

Ion Ratio Lower Upper

62 100

64 31.2 22.3 41.5



#6

Bromomethane

Concen: 6.318 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028521.D

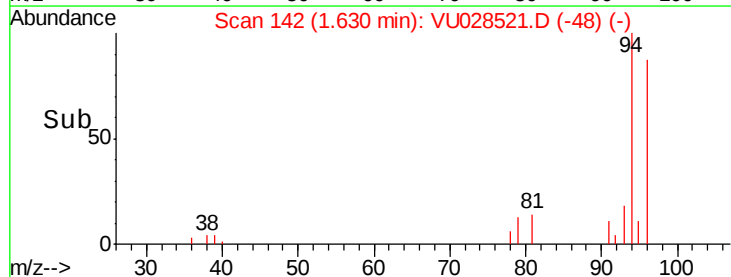
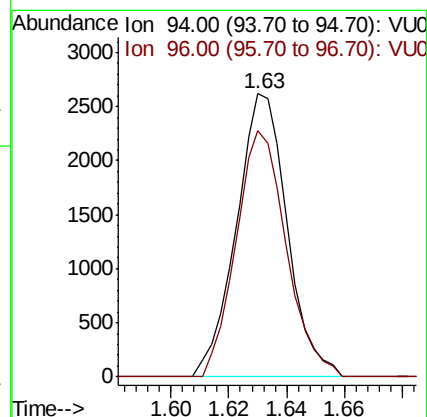
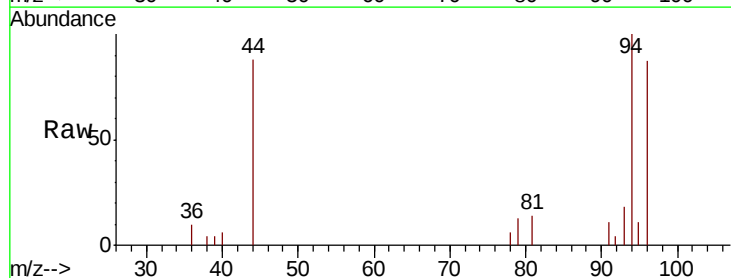
Acq: 07 Dec 2018 09:47

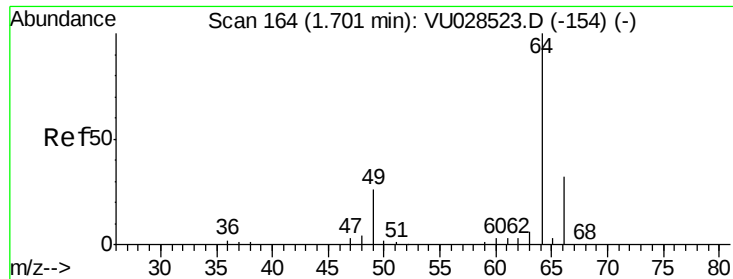
Tgt Ion: 94 Resp: 3189

Ion Ratio Lower Upper

94 100

96 87.1 62.9 116.9

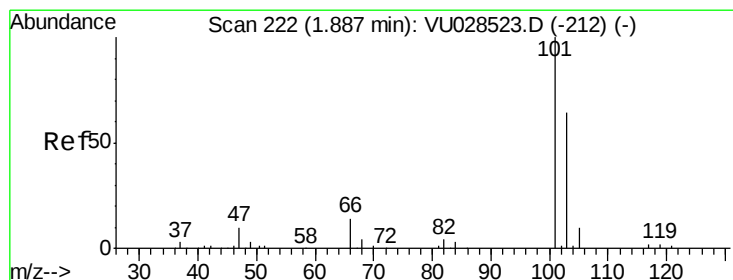
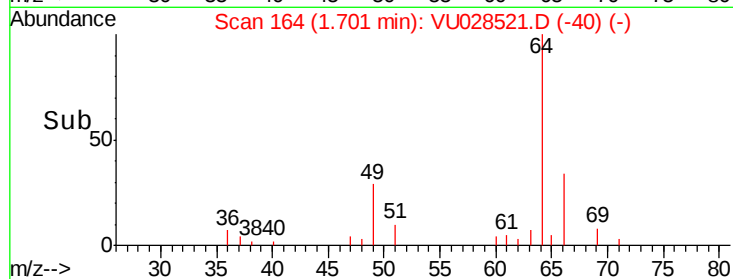
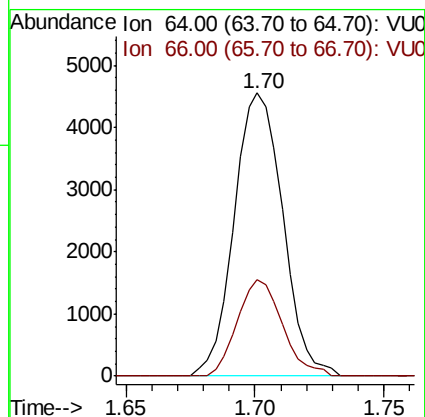
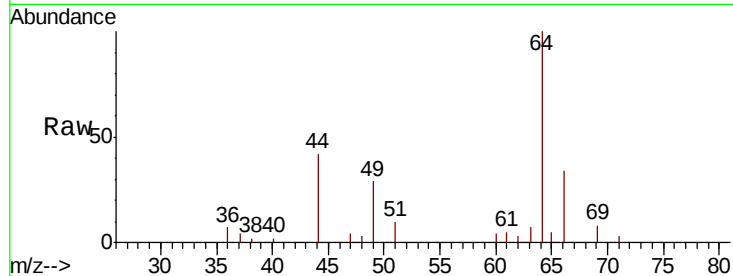




#8
Chloroethane
Concen: 6.000 ug/L
RT: 1.70 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

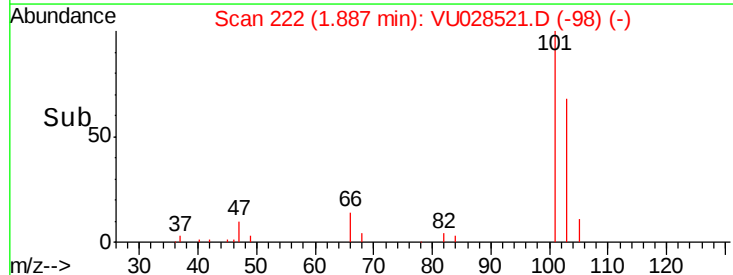
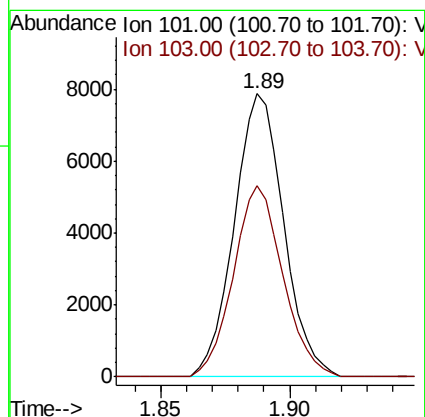
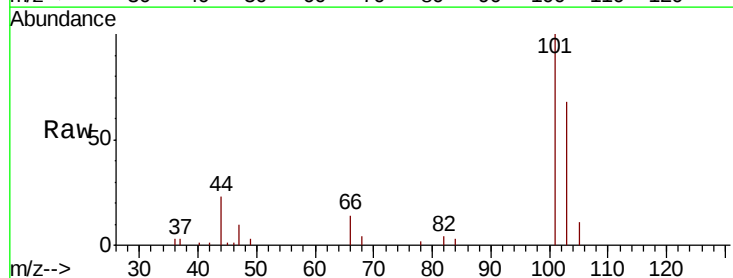
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

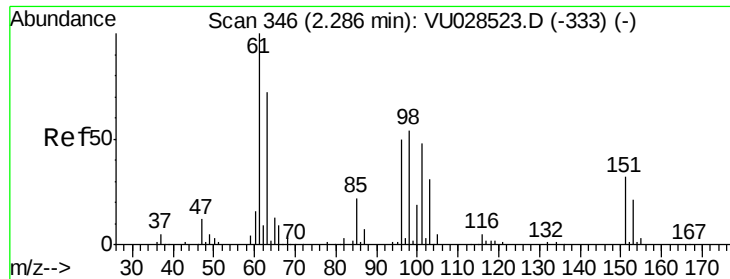
Tgt Ion: 64 Resp: 5980
Ion Ratio Lower Upper
64 100
66 34.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.772 ug/L
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Tgt Ion: 101 Resp: 10492
Ion Ratio Lower Upper
101 100
103 67.5 51.8 77.6





#10

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

Concen: 5.767 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

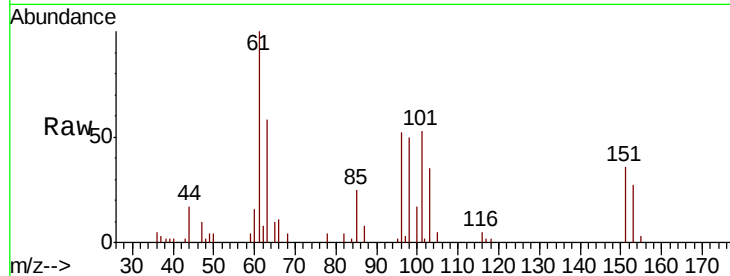
Tgt Ion: 101 Resp: 6131

Ion Ratio Lower Upper

101 100

85 45.4 36.8 55.2

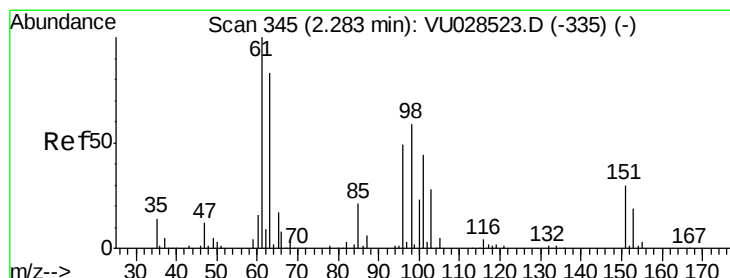
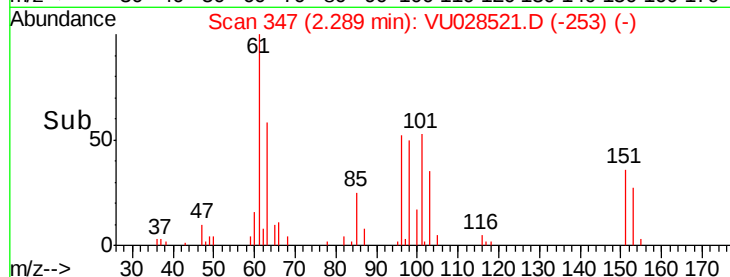
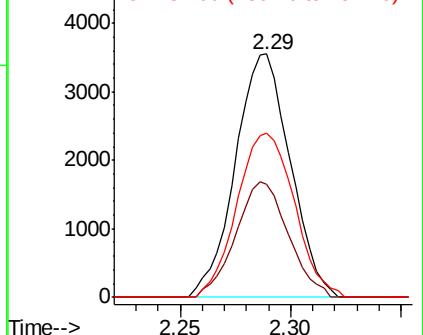
151 70.6 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.798 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

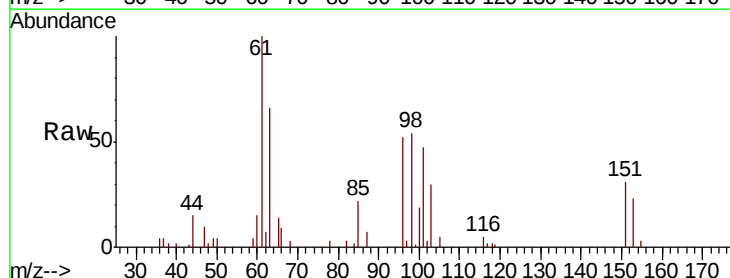
Tgt Ion: 96 Resp: 5913

Ion Ratio Lower Upper

96 100

61 193.4 143.2 266.0

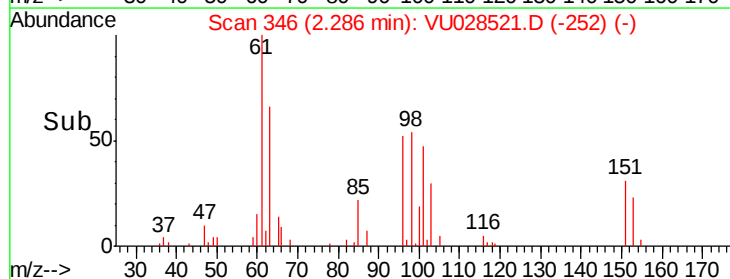
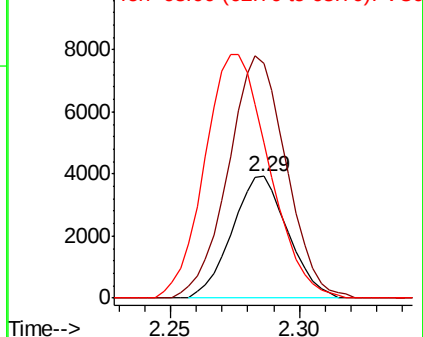
63 127.5 130.1 241.7#

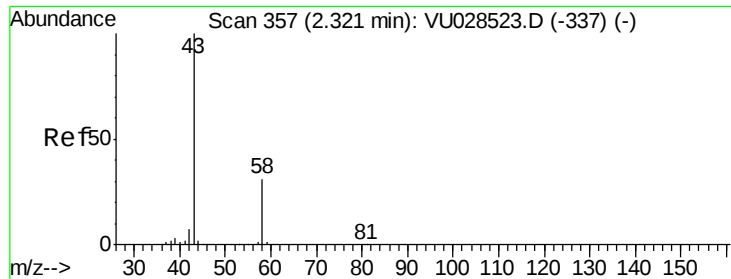


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 14.433 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

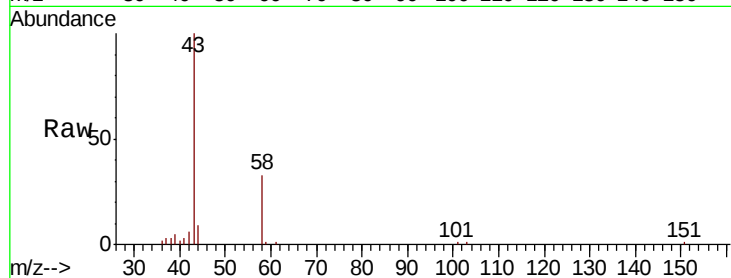
VSTD00554

Tgt Ion: 43 Resp: 17903

Ion Ratio Lower Upper

43 100

58 29.6 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU028523.D (-337) (-)

Ion 58.00 (57.70 to 58.70): VU028523.D (-337) (-)

2.32

12000

10000

8000

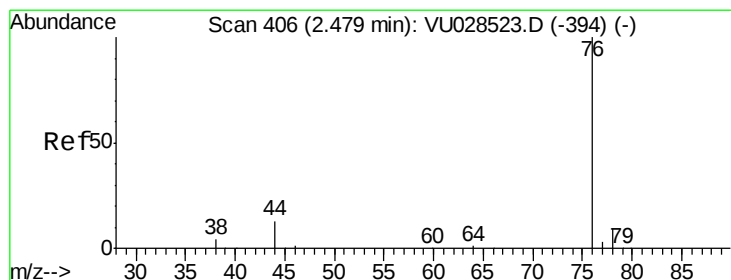
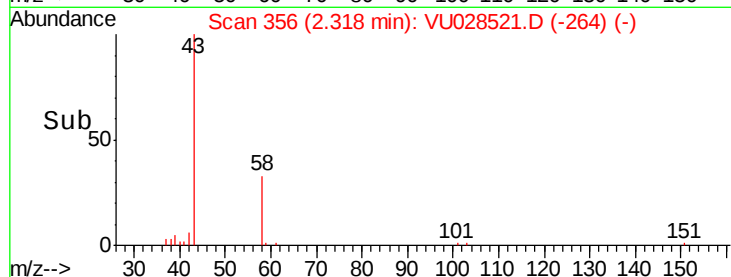
6000

4000

2000

0

Time--> 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 5.962 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028521.D

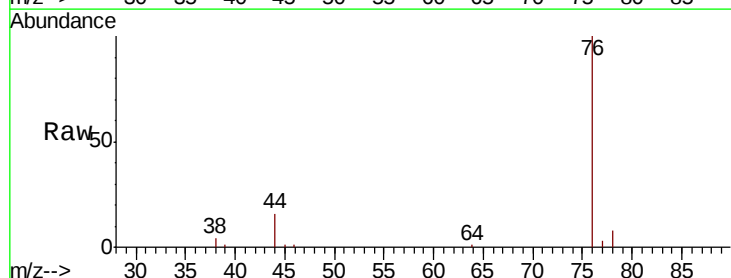
Acq: 07 Dec 2018 09:47

Tgt Ion: 76 Resp: 22936

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU028523.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU028523.D (-394) (-)

2.48

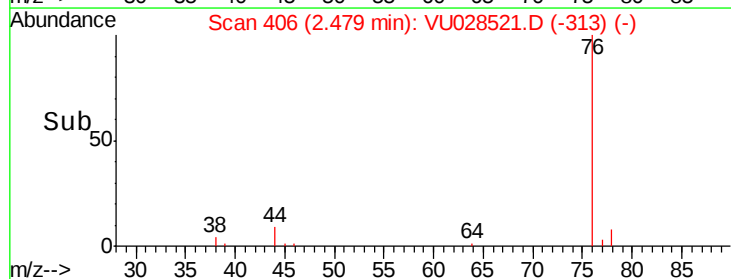
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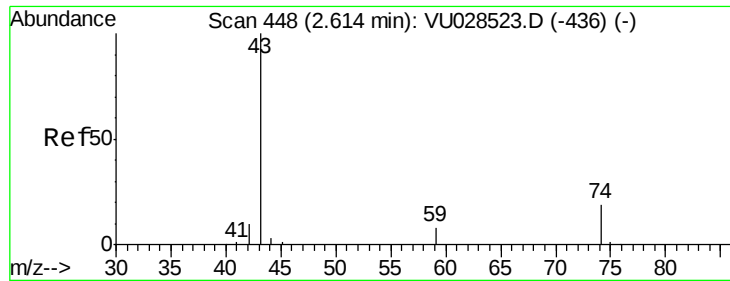
10000

5000

0

Time--> 2.45 2.50 2.55

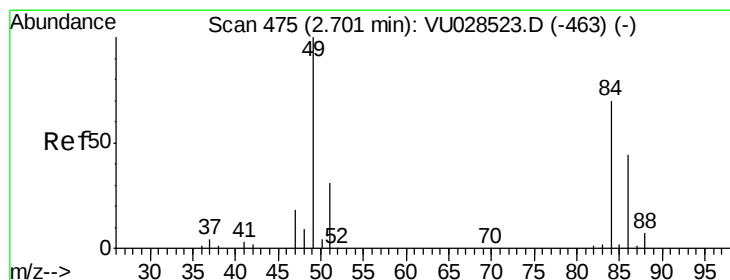
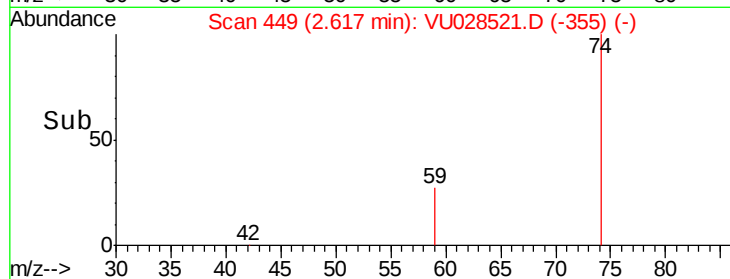
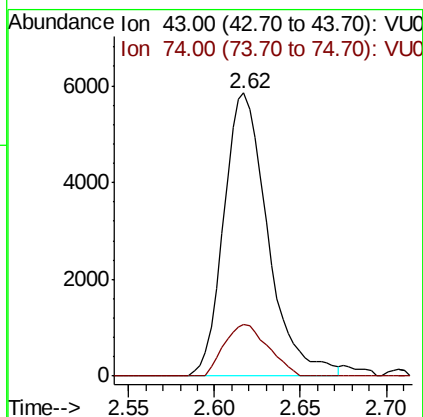
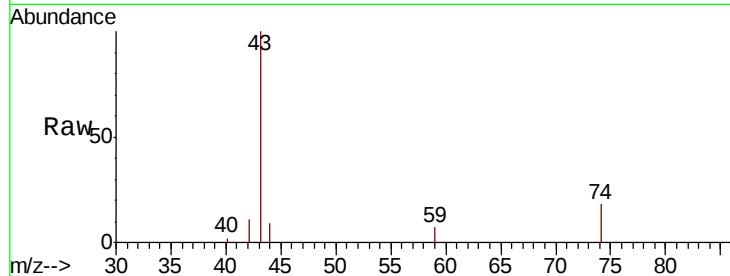




#15
Methyl Acetate
Concen: 5.759 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

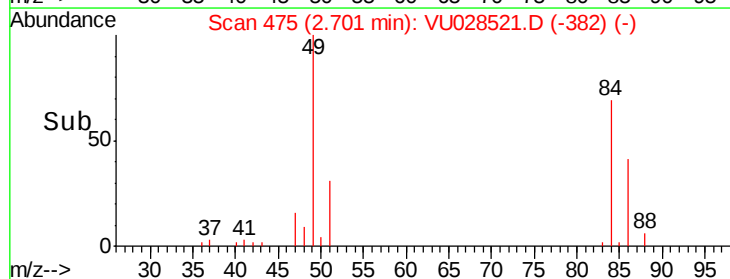
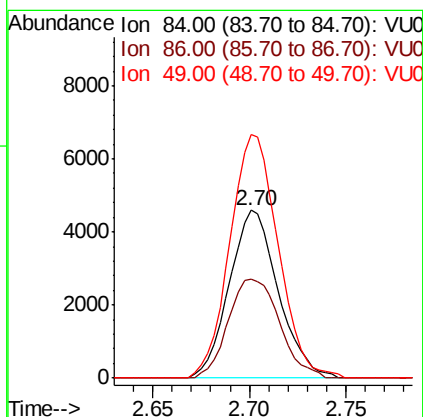
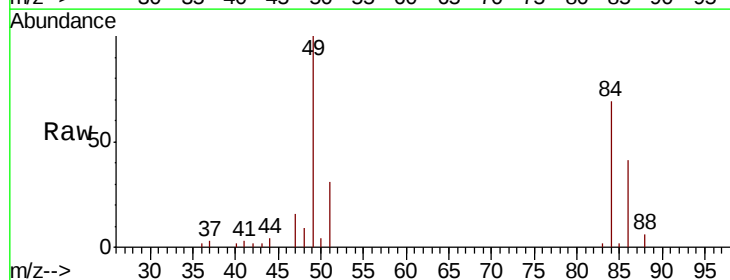
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

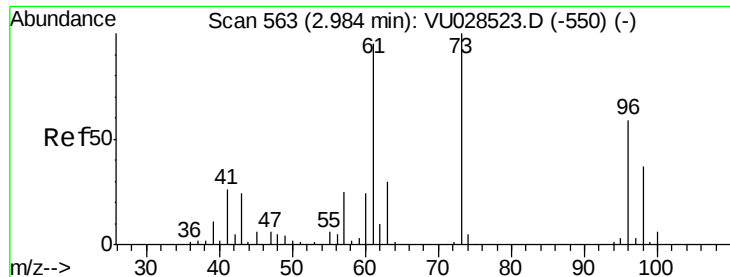
Tgt Ion: 43 Resp: 10490
Ion Ratio Lower Upper
43 100
74 18.2 15.4 23.0



#16
Methylene chloride
Concen: 6.117 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Tgt Ion: 84 Resp: 8071
Ion Ratio Lower Upper
84 100
86 59.1 44.3 82.3
49 145.1 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 6.075 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

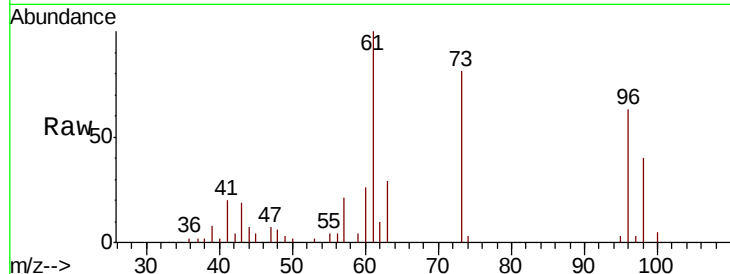
Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

Tgt Ion: 96 Resp: 7038

Ion	Ratio	Lower	Upper
96	100		
61	159.9	112.8	209.4
98	63.6	43.8	81.3

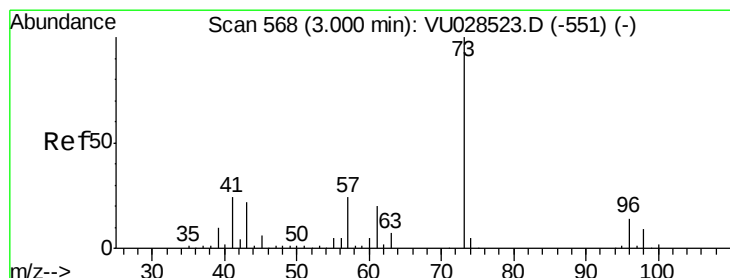
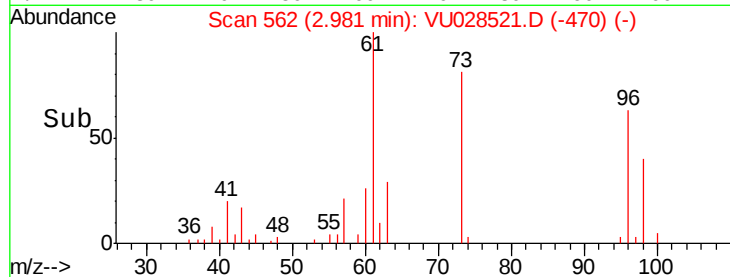
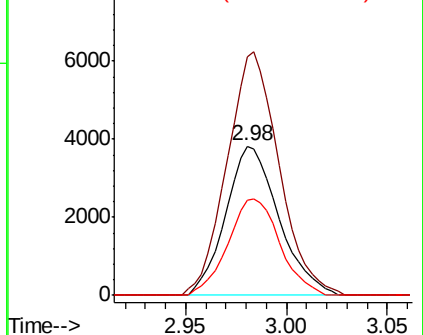


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 5.765 ug/L

RT: 3.00 min Scan# 567

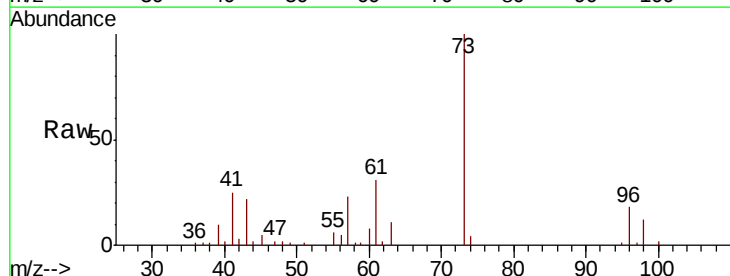
Delta R.T. -0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Tgt Ion: 73 Resp: 23167

Ion	Ratio	Lower	Upper
73	100		
43	22.2	18.1	27.1
57	24.1	19.7	29.5

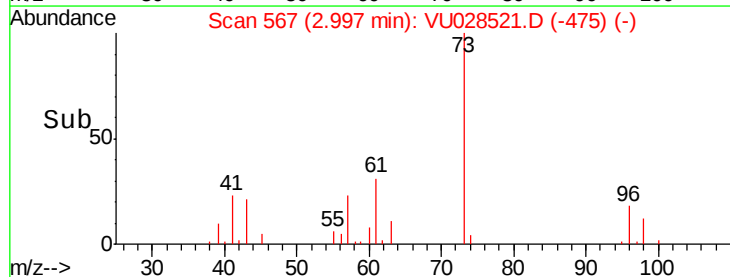
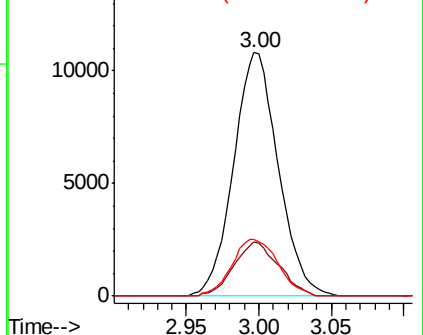


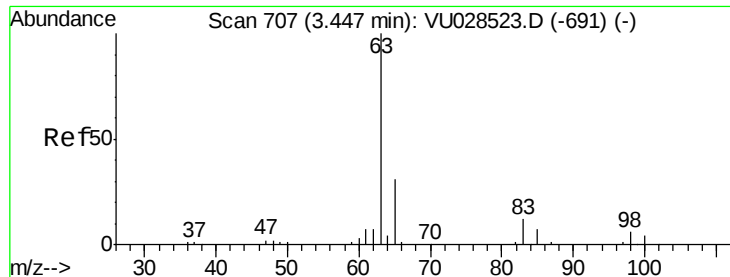
Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

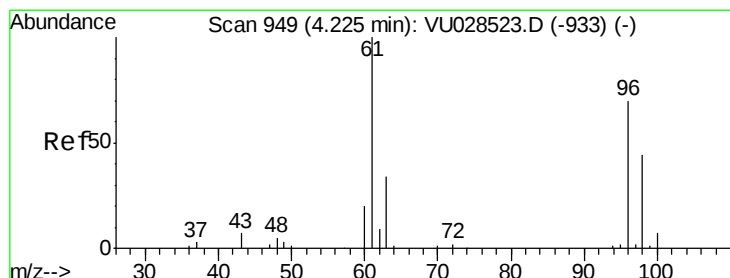
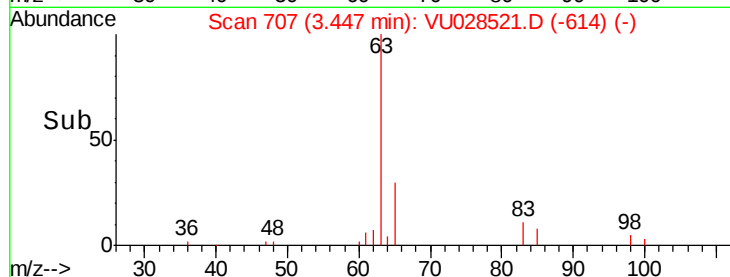
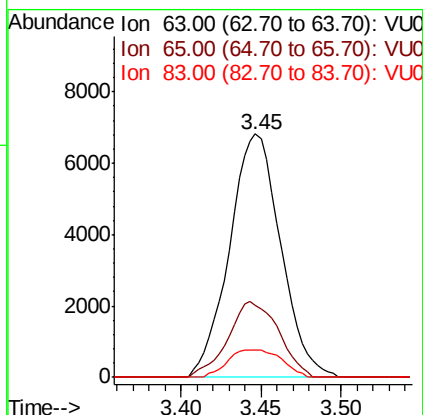
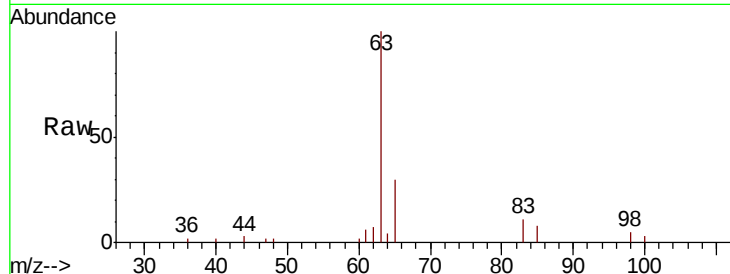




#19
 1,1-Dichloroethane
 Concen: 5.956 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028521.D
 Acq: 07 Dec 2018 09:47

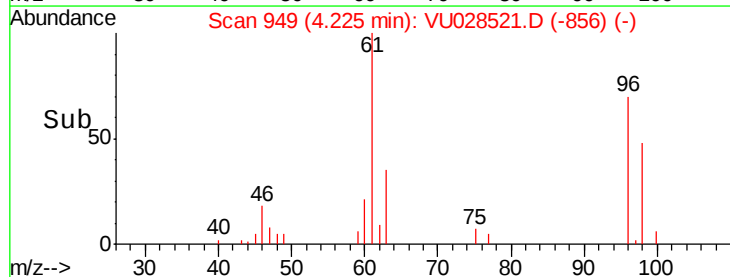
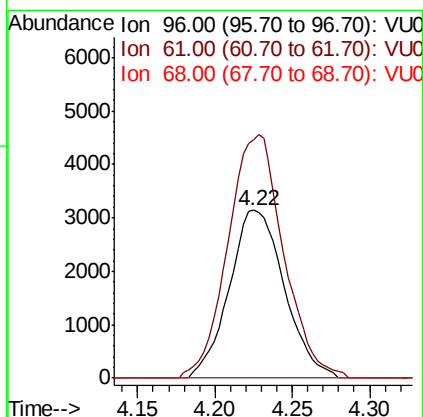
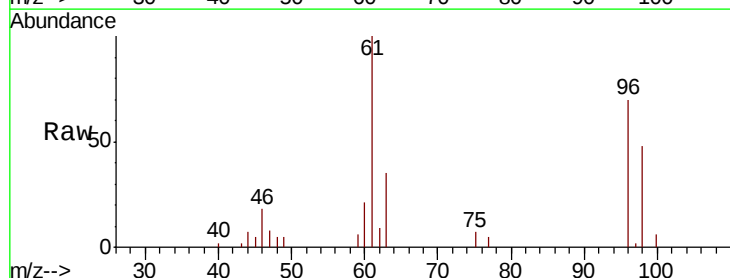
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

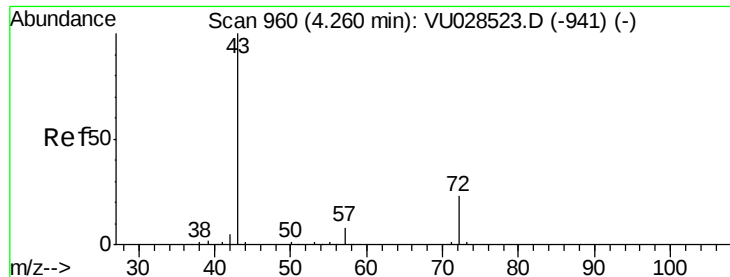
Tgt Ion: 63 Resp: 14925
 Ion Ratio Lower Upper
 63 100
 65 29.6 21.8 40.4
 83 11.5 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 5.826 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028521.D
 Acq: 07 Dec 2018 09:47

Tgt Ion: 96 Resp: 7786
 Ion Ratio Lower Upper
 96 100
 61 142.3 100.1 185.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 12.160 ug/L

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

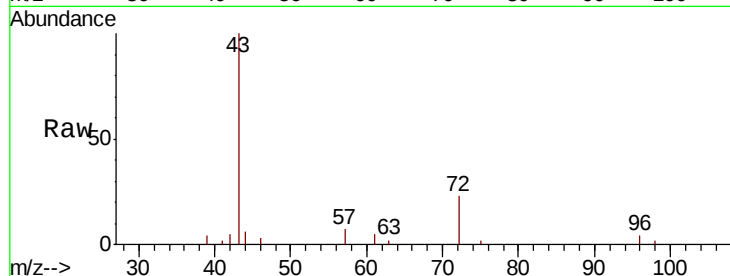
VSTD00554

Tgt Ion: 43 Resp: 18629

Ion Ratio Lower Upper

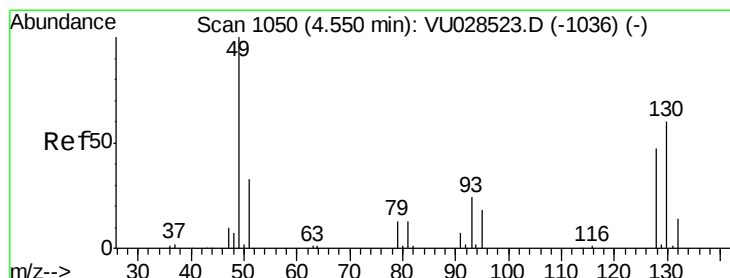
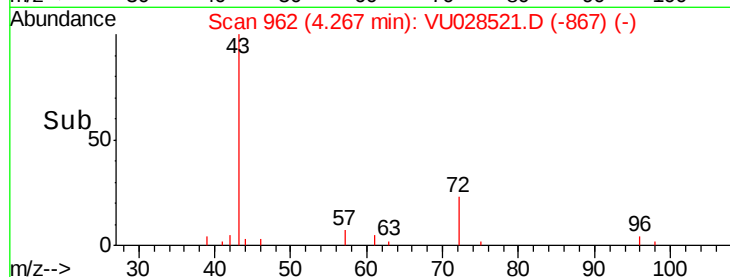
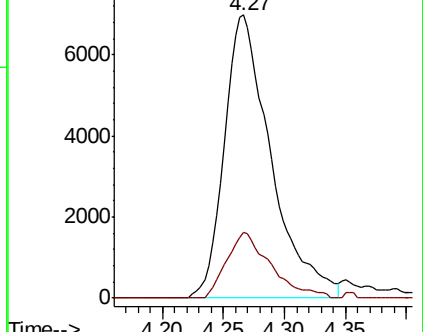
43 100

72 22.0 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU028523.D (-941) (-)

Ion 72.00 (71.70 to 72.70): VU028523.D (-941) (-)



#23

Bromochloromethane

Concen: 6.186 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Tgt Ion: 128 Resp: 3624

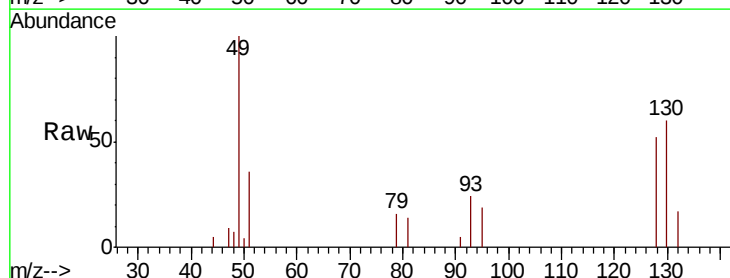
Ion Ratio Lower Upper

128 100

49 193.4 150.8 280.1

130 115.9 90.9 168.7

51 69.5 56.7 85.1

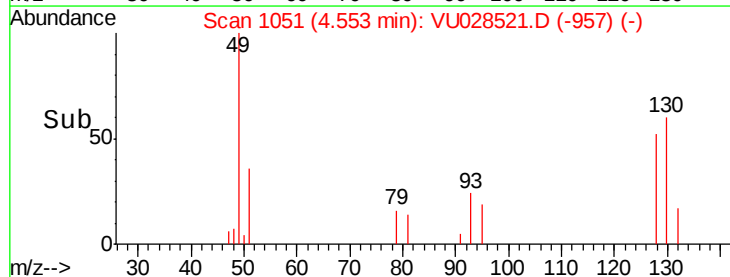
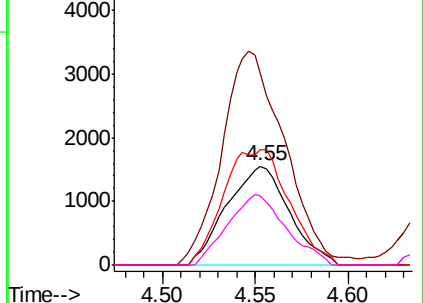


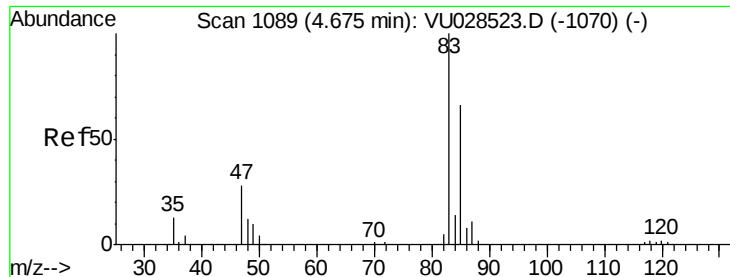
Abundance Ion 128.00 (127.70 to 128.70): VU028523.D (-1036) (-)

Ion 49.00 (48.70 to 49.70): VU028523.D (-1036) (-)

Ion 130.00 (129.70 to 130.70): VU028523.D (-1036) (-)

Ion 51.00 (50.70 to 51.70): VU028523.D (-1036) (-)

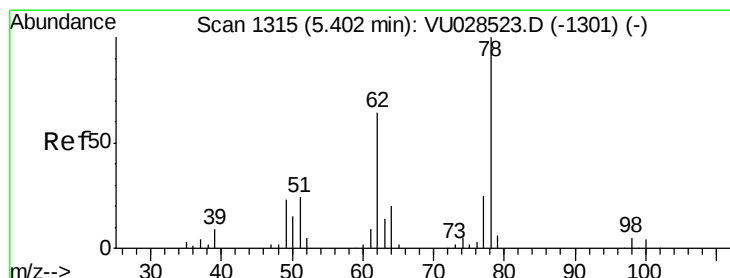
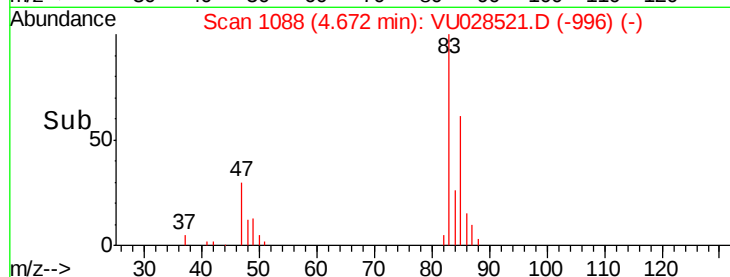
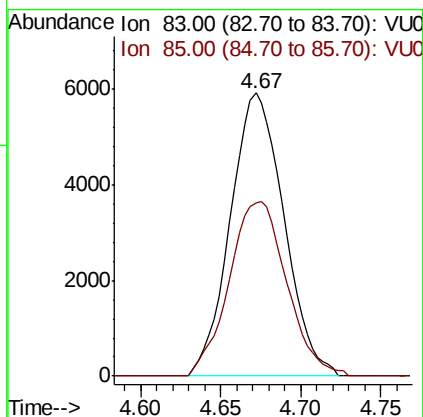
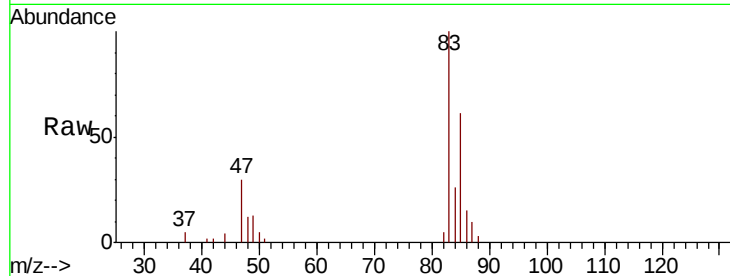




#25
Chloroform
Concen: 5.934 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

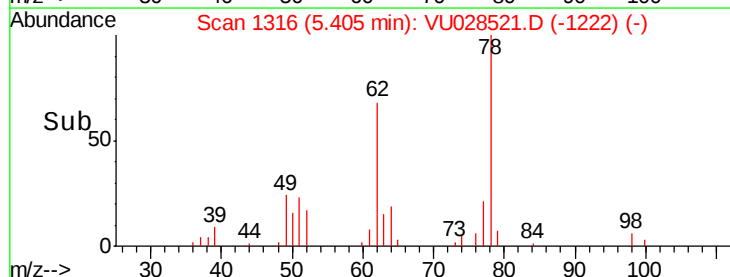
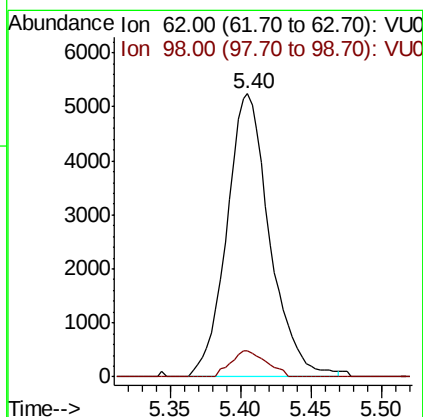
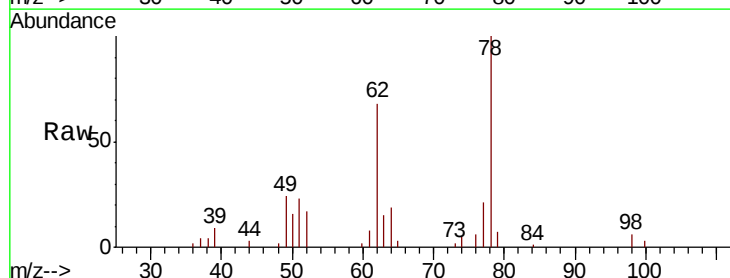
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

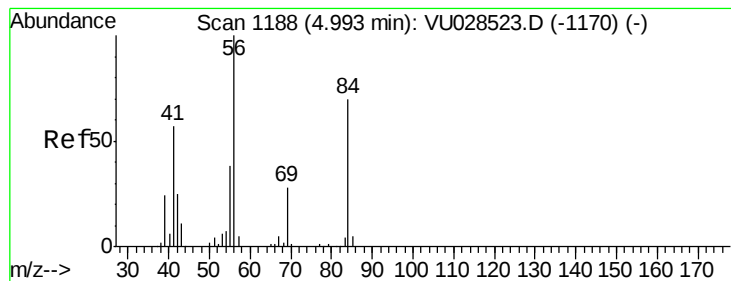
Tgt Ion: 83 Resp: 13588
Ion Ratio Lower Upper
83 100
85 61.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 5.897 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Tgt Ion: 62 Resp: 11184
Ion Ratio Lower Upper
62 100
98 9.1 6.7 10.1





#29

Cyclohexane

Concen: 5.767 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

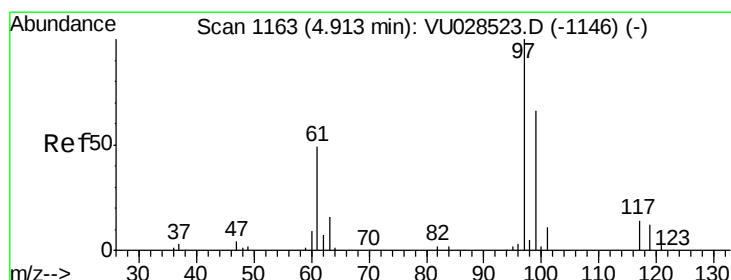
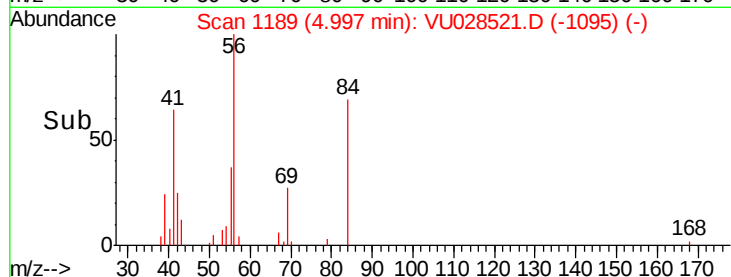
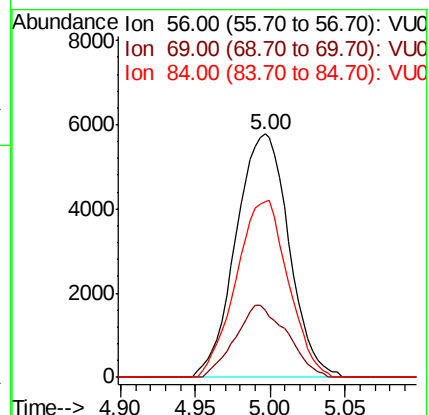
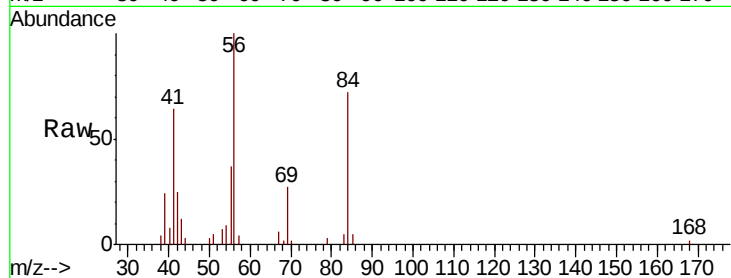
Tgt Ion: 56 Resp: 14262

Ion Ratio Lower Upper

56 100

69 29.1 22.2 33.2

84 71.4 57.5 86.3



#30

1,1,1-Trichloroethane

Concen: 6.023 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

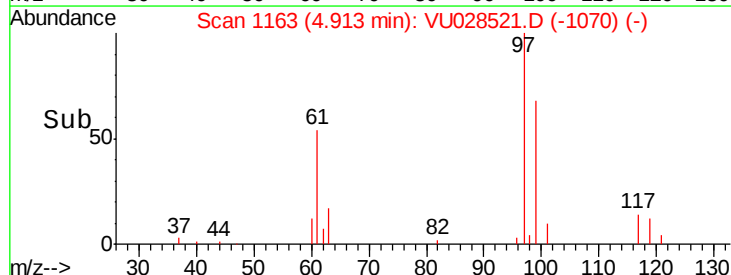
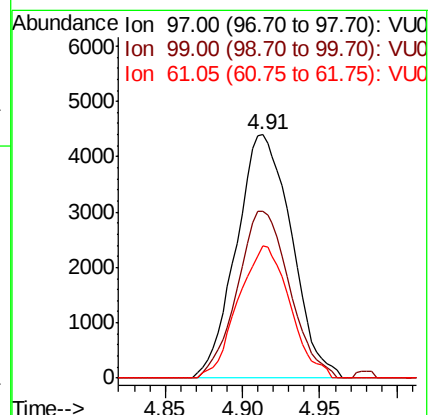
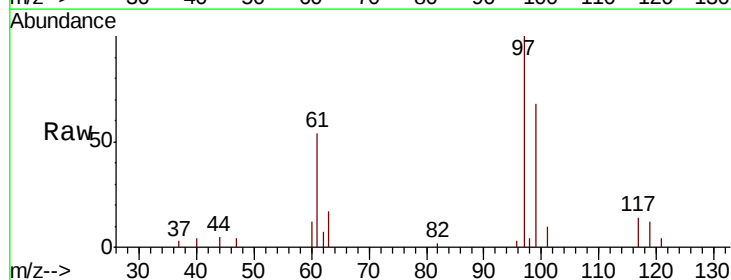
Tgt Ion: 97 Resp: 10904

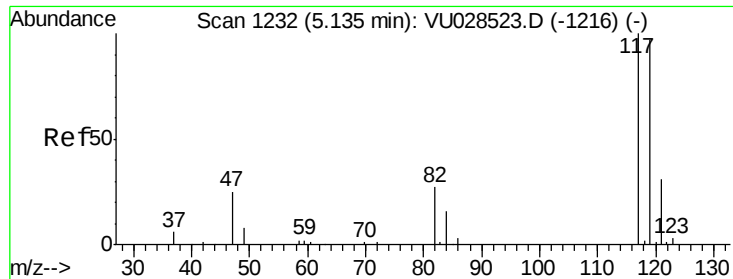
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 50.9 38.7 58.1

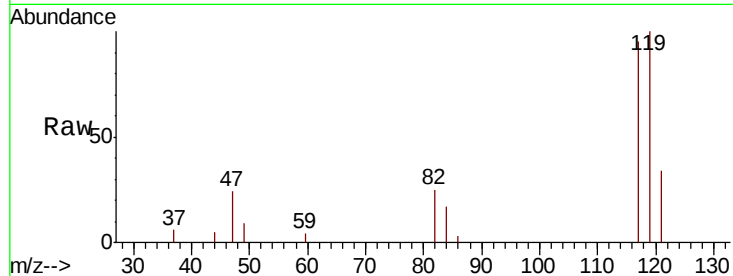




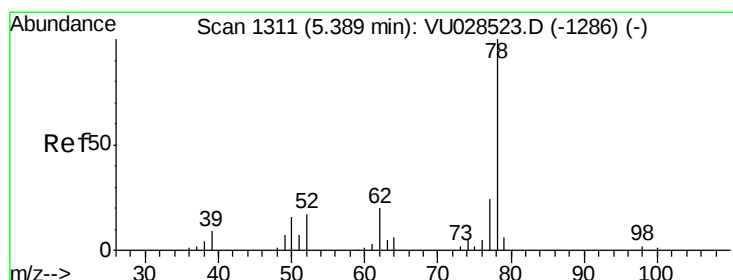
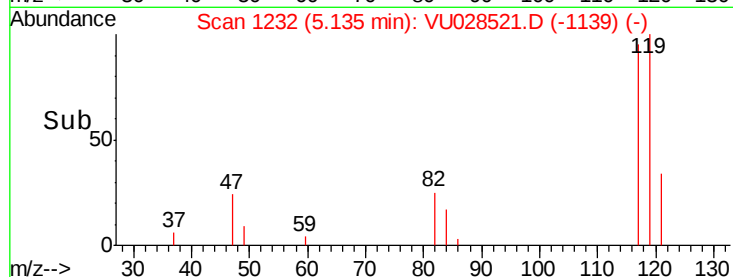
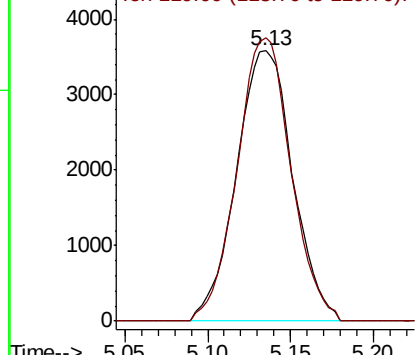
#31
Carbon tetrachloride
Concen: 5.807 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

Tgt Ion: 117 Resp: 8456
Ion Ratio Lower Upper
117 100
119 100.2 77.4 116.2

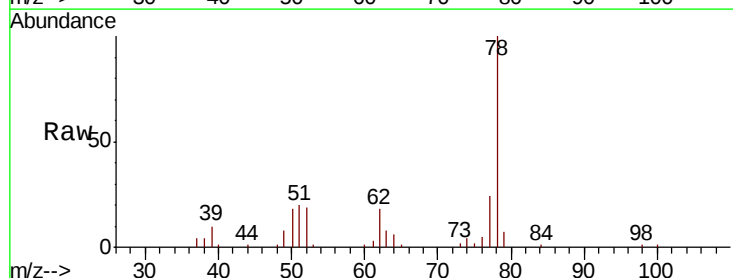


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

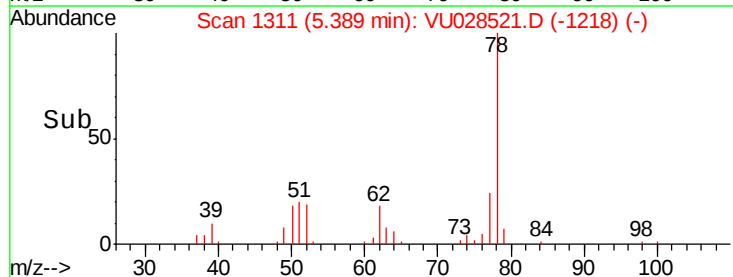
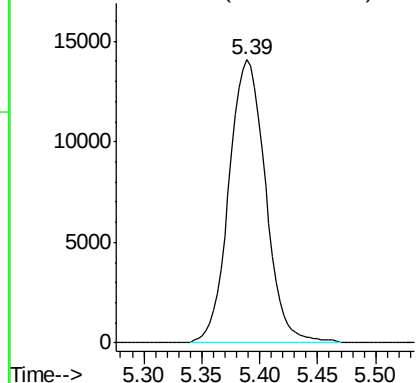


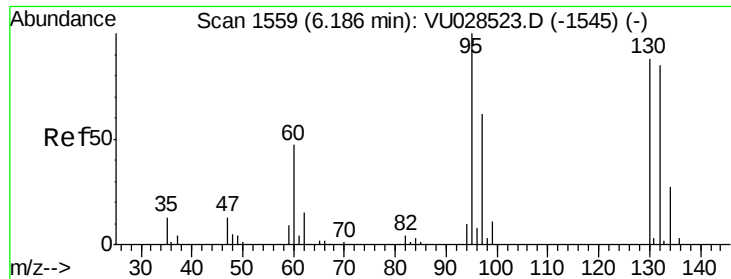
#33
Benzene
Concen: 5.882 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Tgt Ion: 78 Resp: 30913



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 6.033 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

Tgt Ion: 95 Resp: 7623

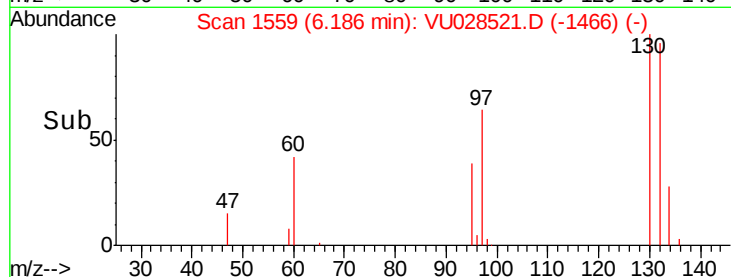
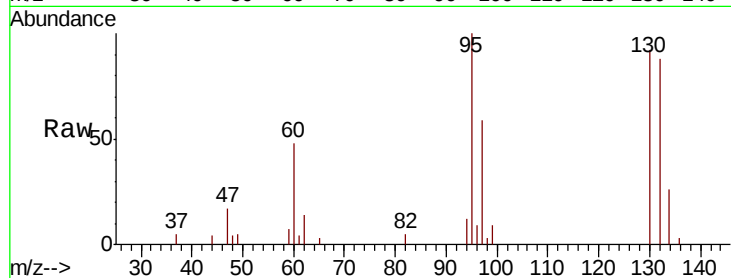
Ion Ratio Lower Upper

95 100

97 59.1 43.5 80.9

132 88.3 59.6 110.6

130 92.5 61.8 114.8

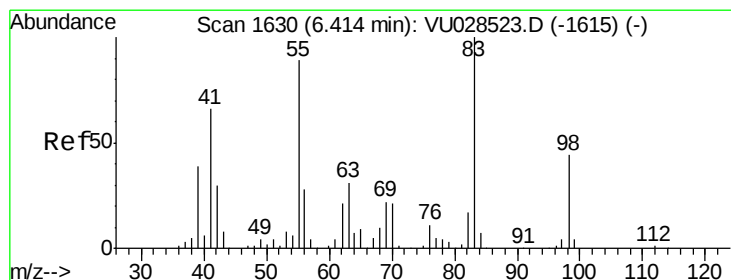
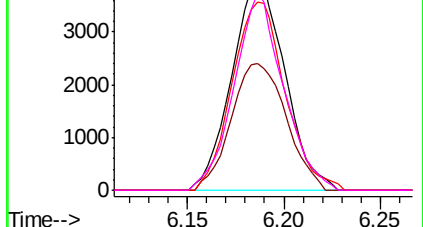


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 5.822 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

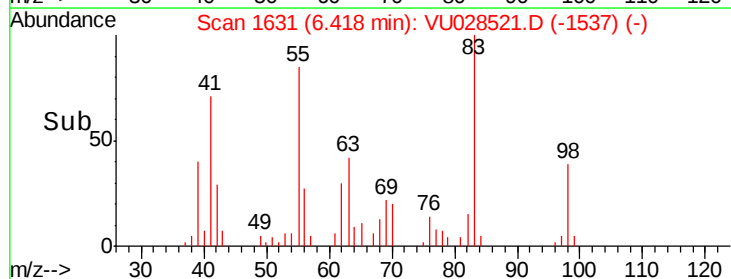
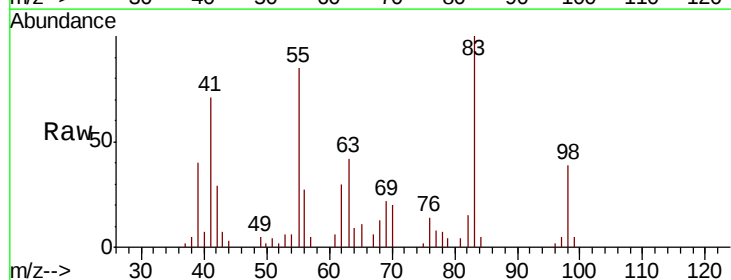
Tgt Ion: 83 Resp: 12724

Ion Ratio Lower Upper

83 100

55 85.9 70.1 105.1

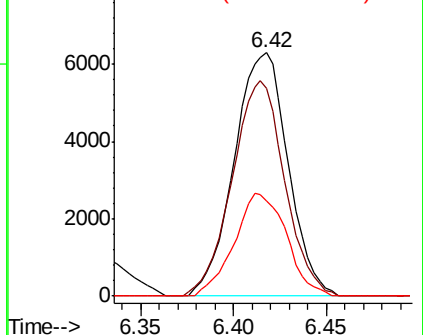
98 40.6 34.4 51.6

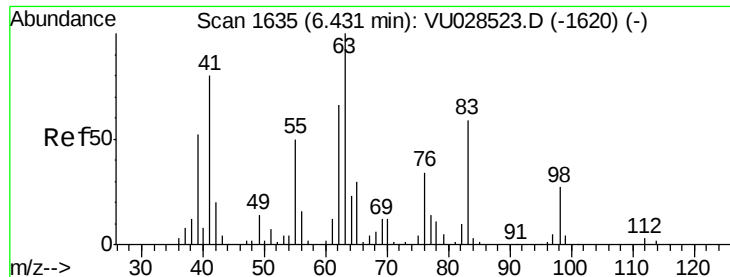


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

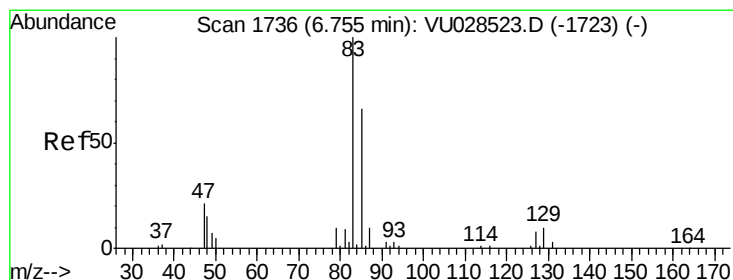
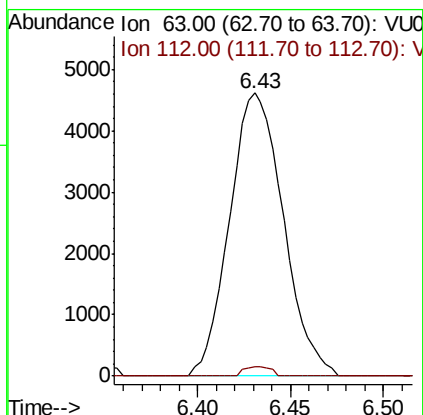
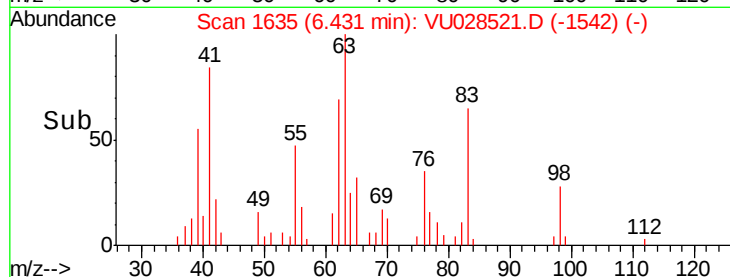
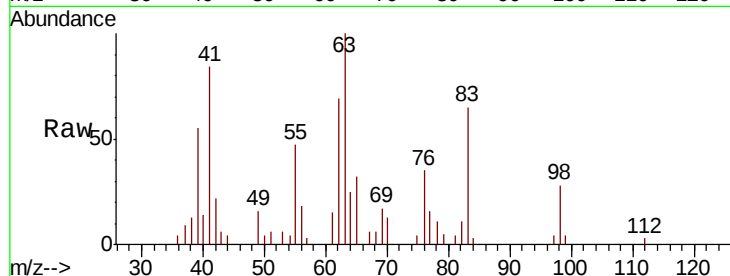




#37
 1,2-Dichloropropane
 Concen: 5.982 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028521.D
 Acq: 07 Dec 2018 09:47

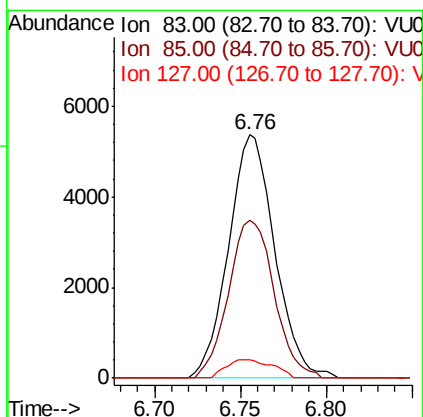
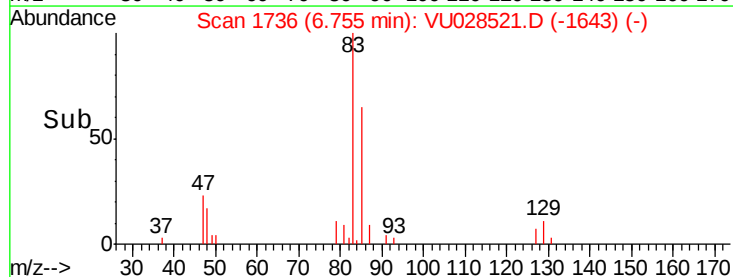
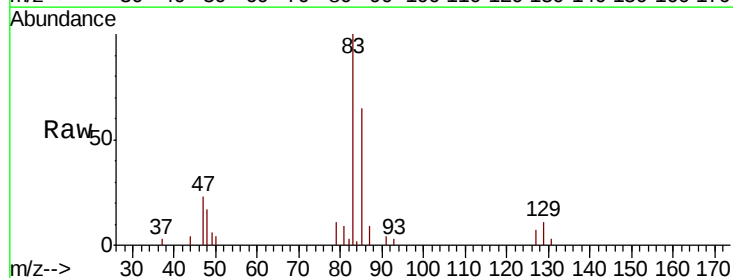
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

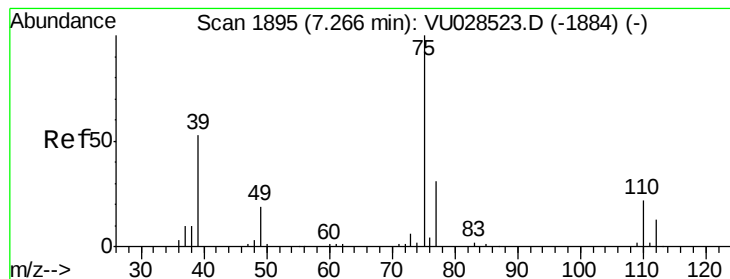
Tgt Ion: 63 Resp: 9318
 Ion Ratio Lower Upper
 63 100
 112 1.6 2.4 3.6#



#38
 Bromodichloromethane
 Concen: 5.839 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028521.D
 Acq: 07 Dec 2018 09:47

Tgt Ion: 83 Resp: 10071
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.5 86.3
 127 7.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.697 ug/L

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

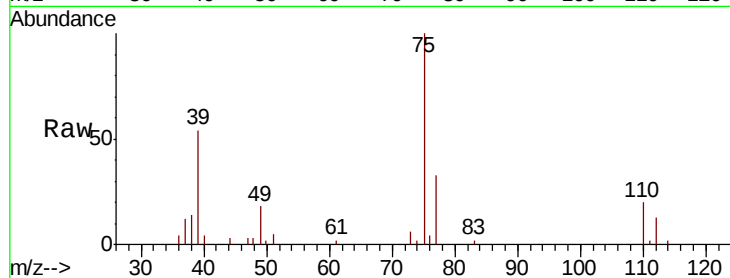
VSTD00554

Tgt Ion: 75 Resp: 12611

Ion Ratio Lower Upper

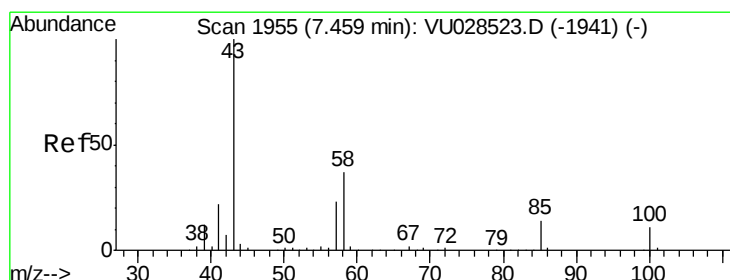
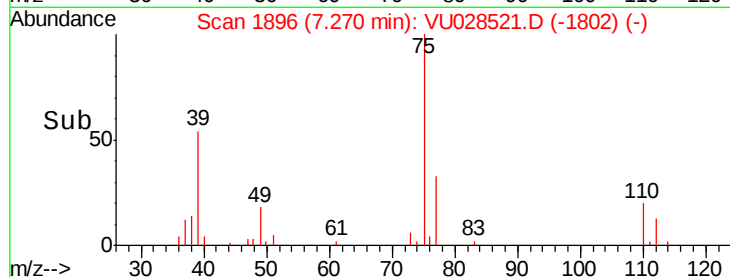
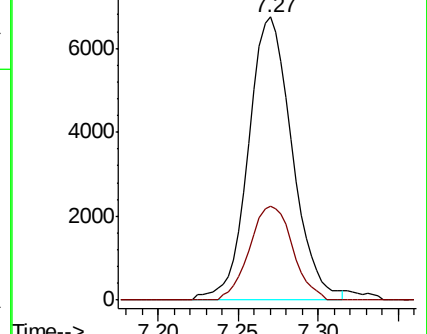
75 100

77 33.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028521.D (-1884) (-)

Ion 77.00 (76.70 to 77.70): VU028521.D (-1884) (-)



#40

4-Methyl-2-pentanone

Concen: 10.912 ug/L

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

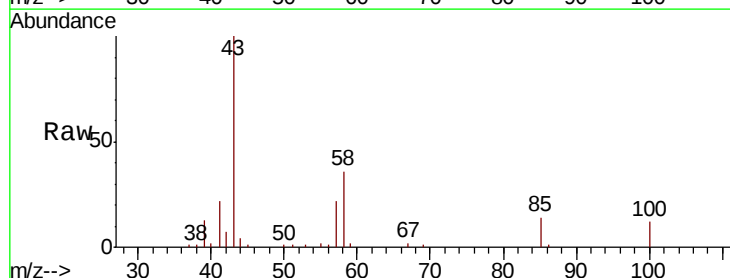
Tgt Ion: 43 Resp: 26669

Ion Ratio Lower Upper

43 100

58 36.1 29.6 44.4

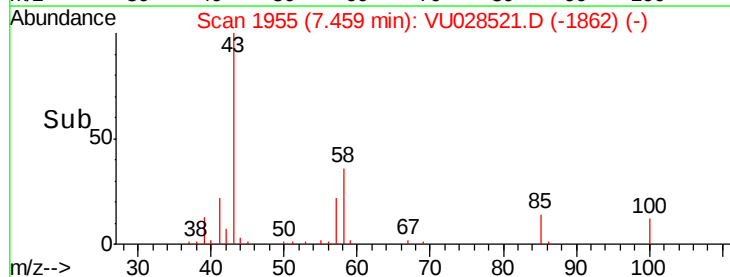
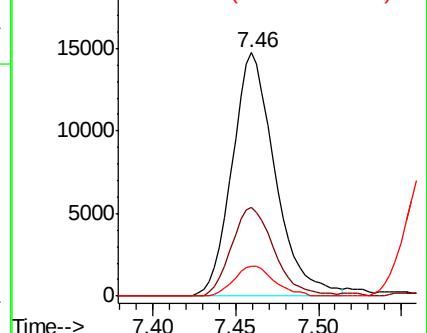
100 11.5 9.0 13.4

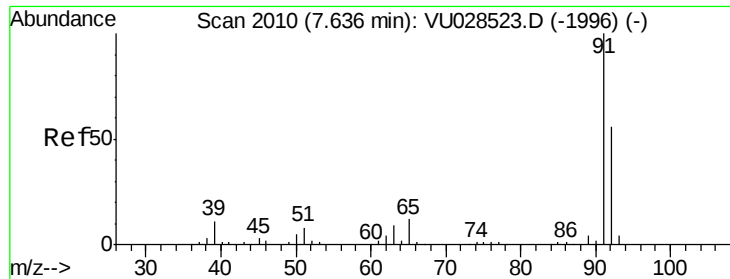


Abundance Ion 43.00 (42.70 to 43.70): VU028521.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU028521.D (-1862) (-)

Ion 100.00 (99.70 to 100.70): VU028521.D (-1862) (-)





#42

Toluene

Concen: 5.724 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

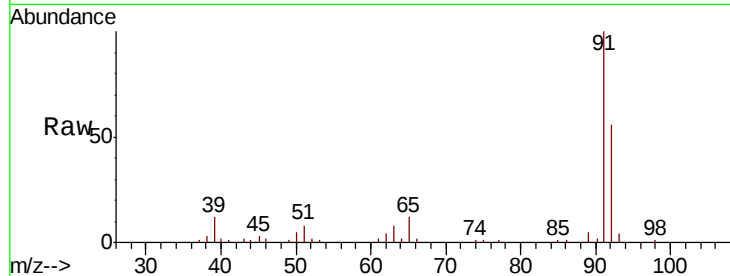
VSTD00554

Tgt Ion: 91 Resp: 30551

Ion Ratio Lower Upper

91 100

92 55.9 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

15000

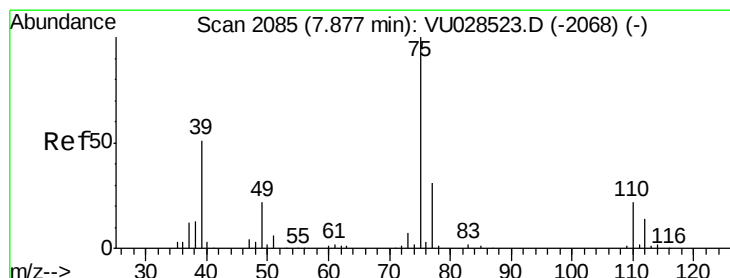
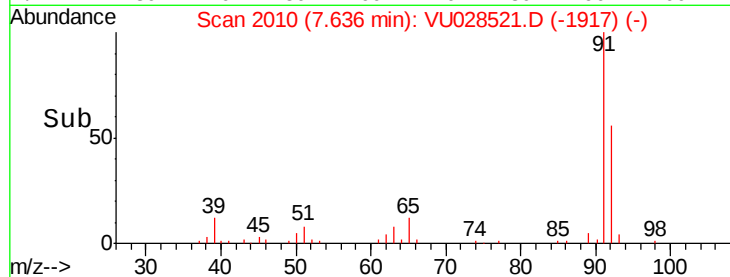
10000

5000

0

Time-->

7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 5.903 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028521.D

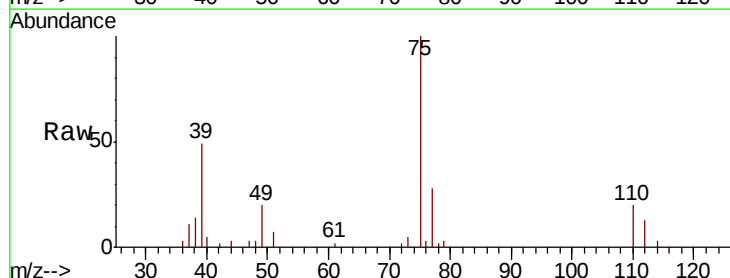
Acq: 07 Dec 2018 09:47

Tgt Ion: 75 Resp: 11973

Ion Ratio Lower Upper

75 100

77 27.7 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

6000

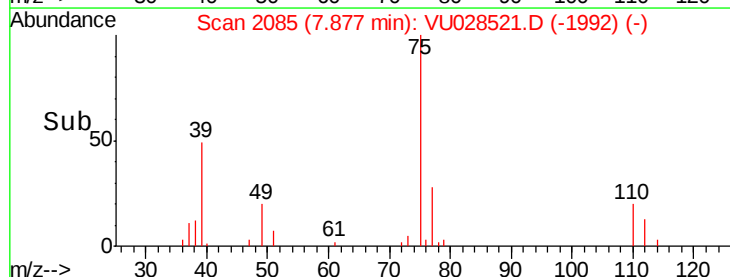
4000

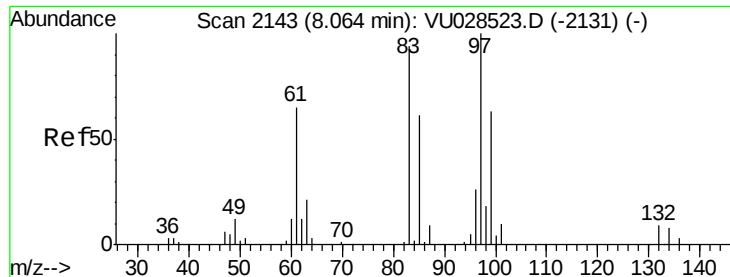
2000

0

Time-->

7.80 7.85 7.90 7.95





#45

1,1,2-Trichloroethane

Concen: 5.866 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

Tgt Ion: 97 Resp: 7131

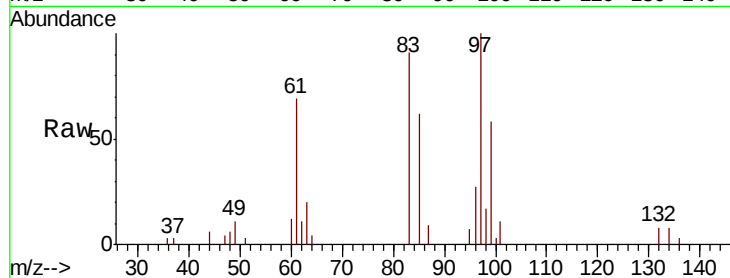
Ion Ratio Lower Upper

97 100

99 58.5 44.2 82.2

83 90.8 66.0 122.6

85 62.0 42.5 78.9

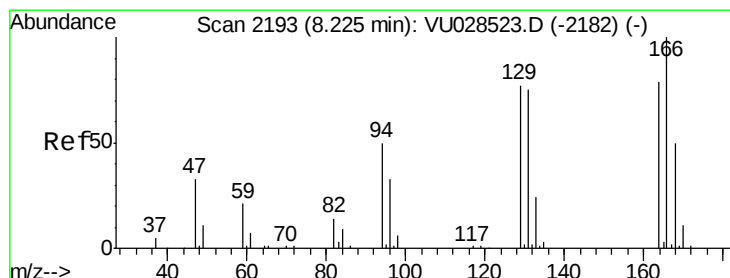
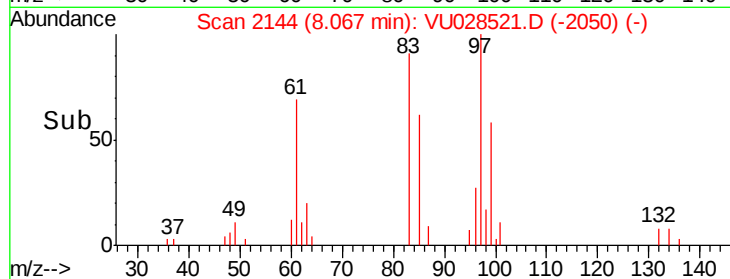
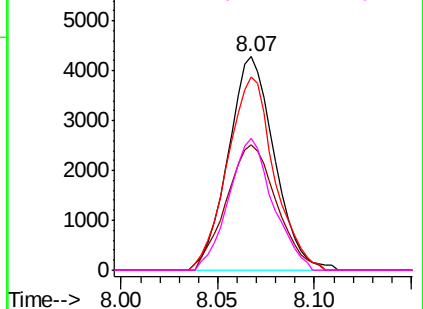


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 5.866 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Tgt Ion: 164 Resp: 5194

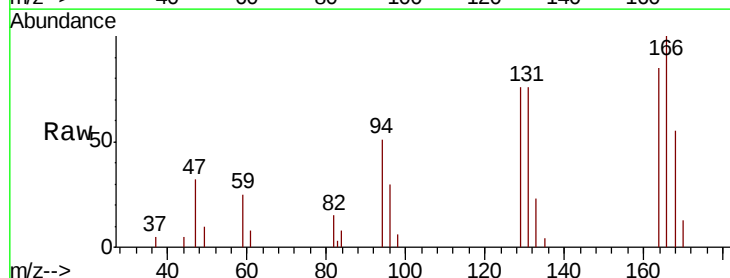
Ion Ratio Lower Upper

164 100

129 89.1 68.2 126.6

131 89.0 66.1 122.7

166 117.6 88.3 163.9

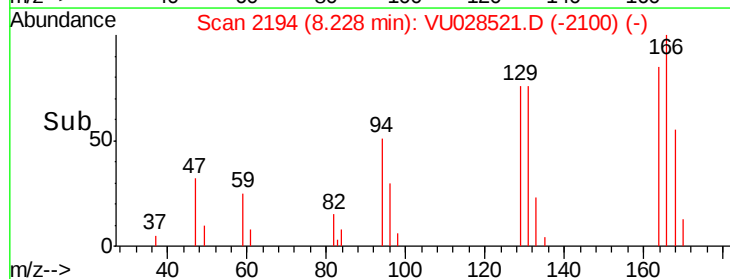
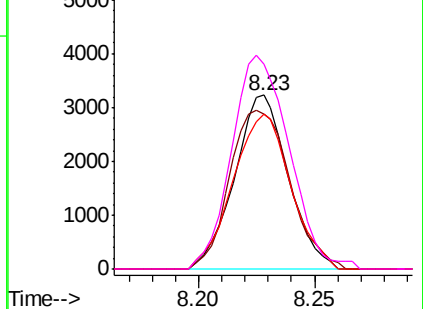


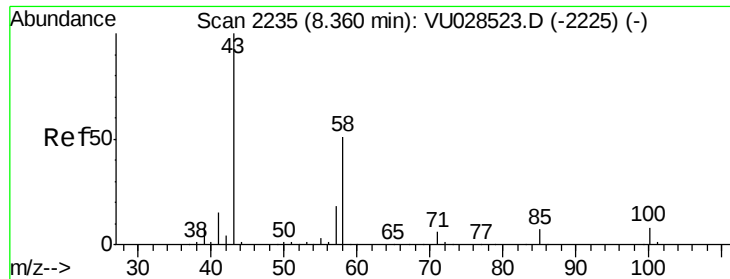
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

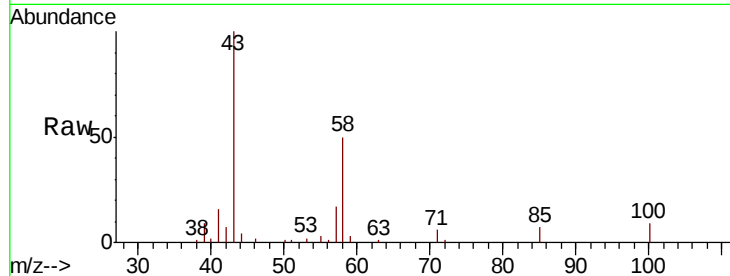




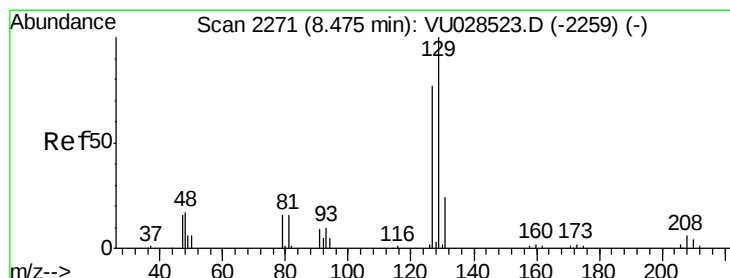
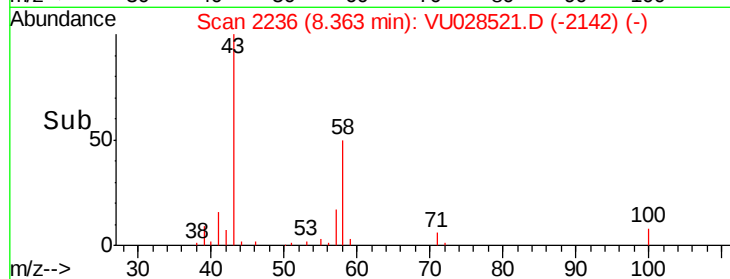
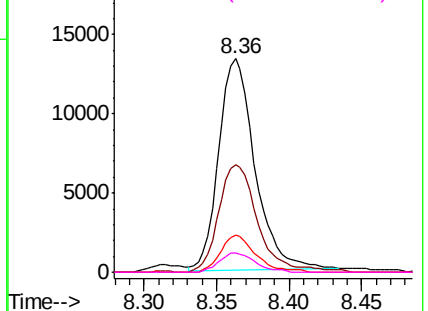
#48
2-Hexanone
Concen: 11.325 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

Tgt Ion: 43 Resp: 23216
Ion Ratio Lower Upper
43 100
58 54.8 41.6 62.4
57 17.0 13.8 20.6
100 9.1 7.0 10.4

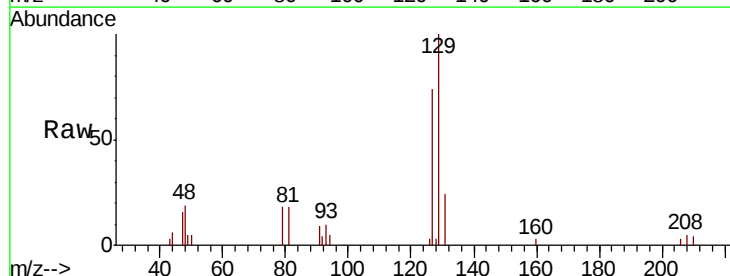


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

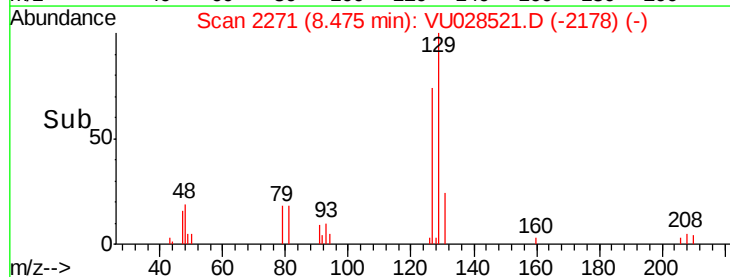
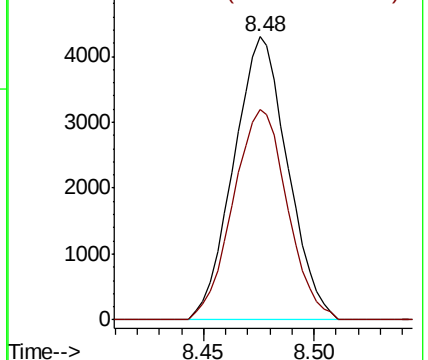


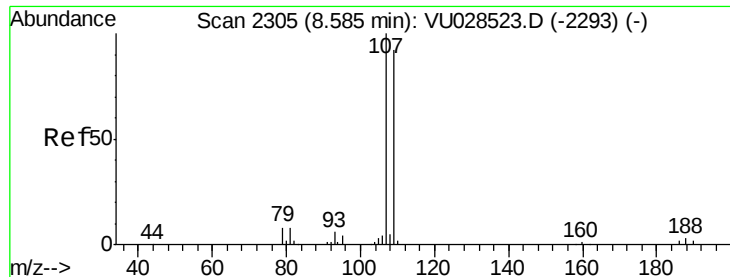
#49
Dibromochloromethane
Concen: 5.919 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Tgt Ion: 129 Resp: 7323
Ion Ratio Lower Upper
129 100
127 74.2 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

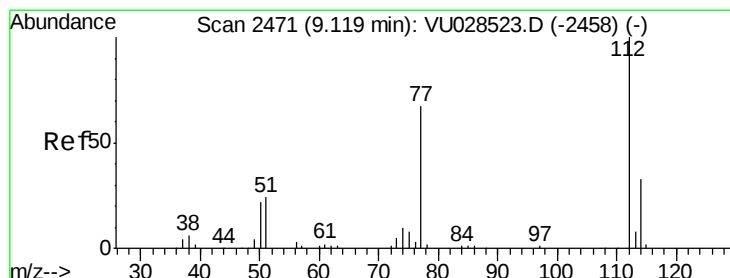
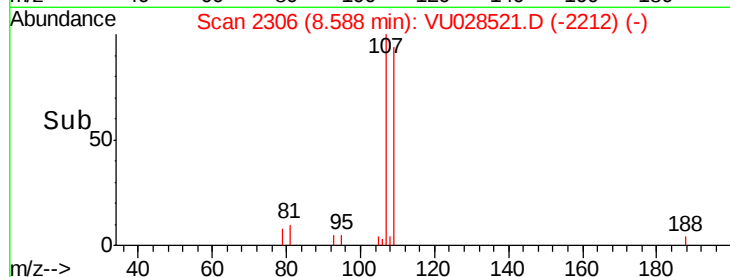
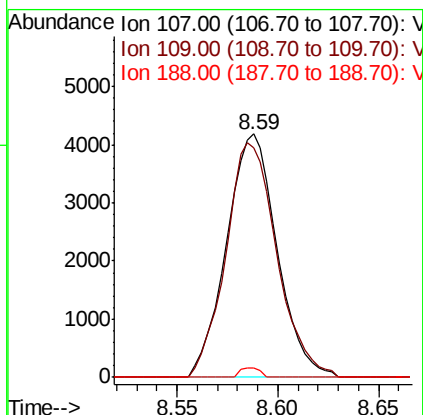
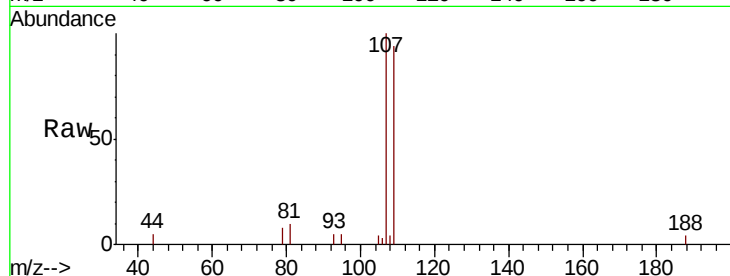




#50
1,2-Dibromoethane
Concen: 5.647 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

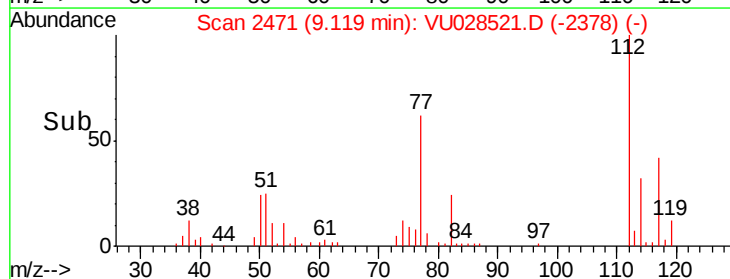
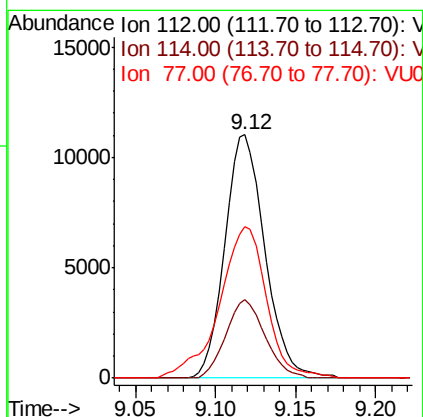
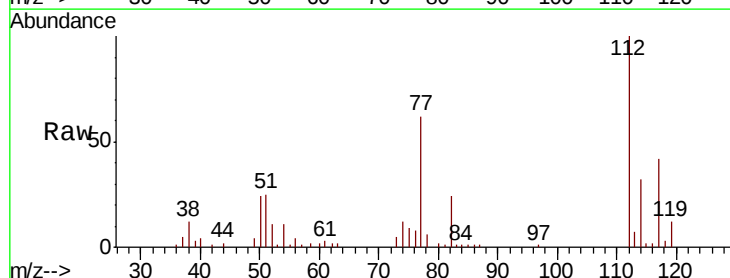
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

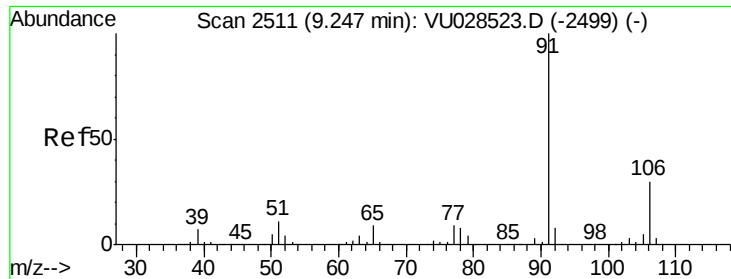
Tgt Ion:107 Resp: 7334
Ion Ratio Lower Upper
107 100
109 94.3 64.5 119.9
188 3.6 2.6 3.8



#51
Chlorobenzene
Concen: 5.926 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Tgt Ion:112 Resp: 18890
Ion Ratio Lower Upper
112 100
114 32.3 23.0 42.6
77 62.4 53.9 80.9





#52

Ethylbenzene

Concen: 5.836 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

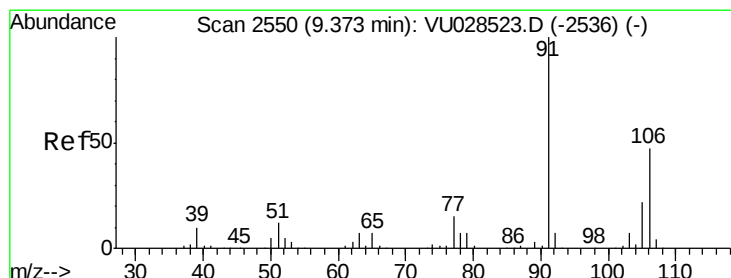
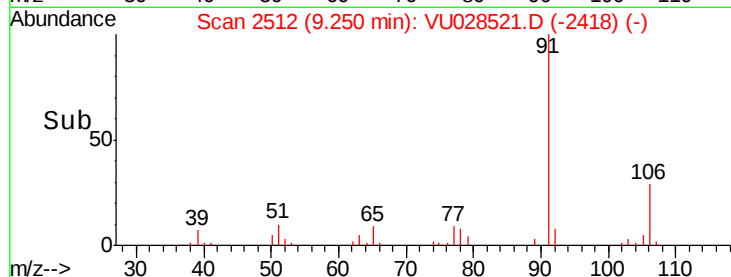
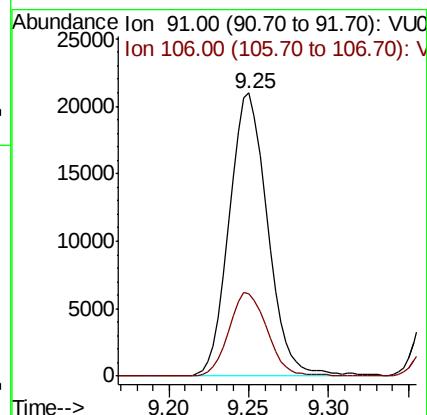
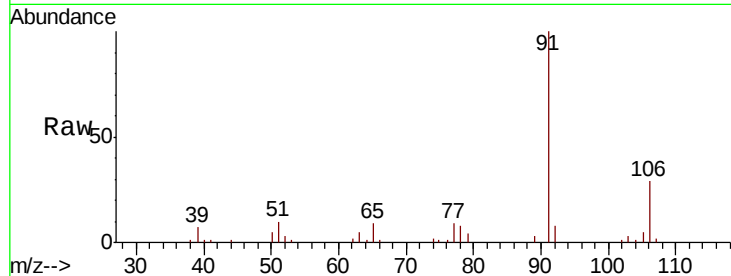
VSTD00554

Tgt Ion: 91 Resp: 34417

Ion Ratio Lower Upper

91 100

106 29.2 21.0 39.0



#53

m,p-Xylene

Concen: 6.063 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028521.D

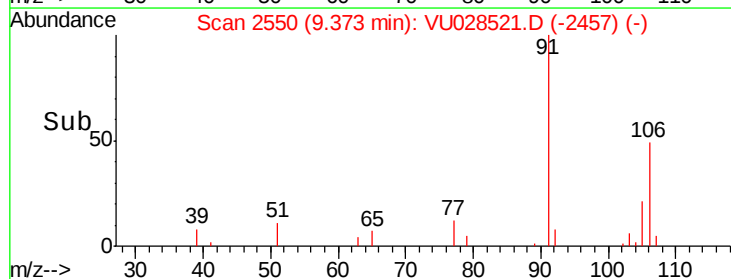
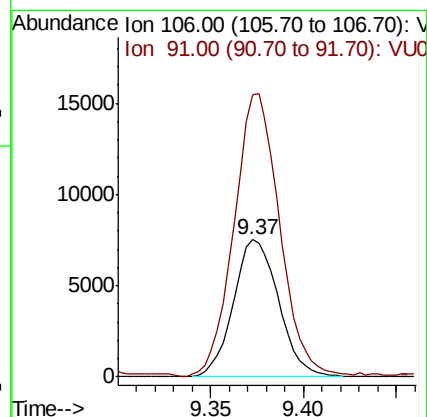
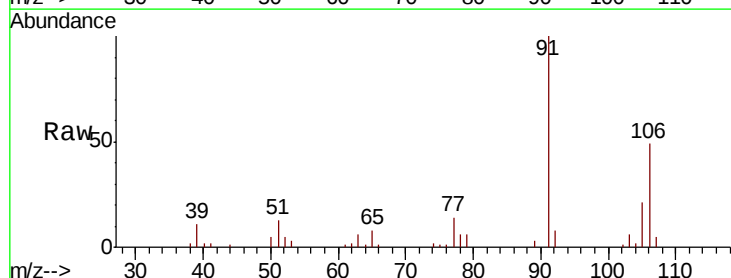
Acq: 07 Dec 2018 09:47

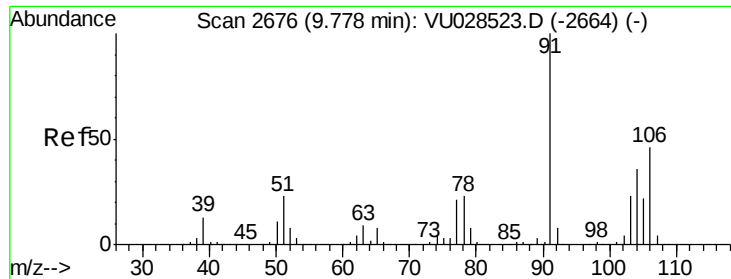
Tgt Ion: 106 Resp: 12787

Ion Ratio Lower Upper

106 100

91 205.5 148.8 276.4

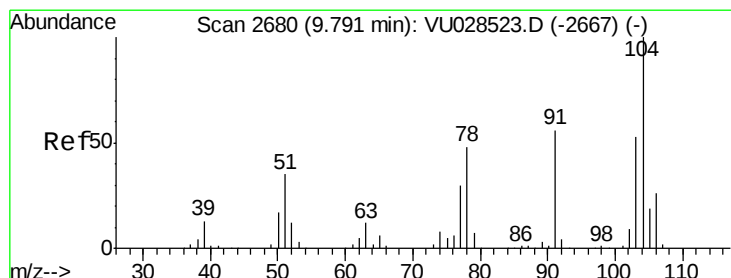
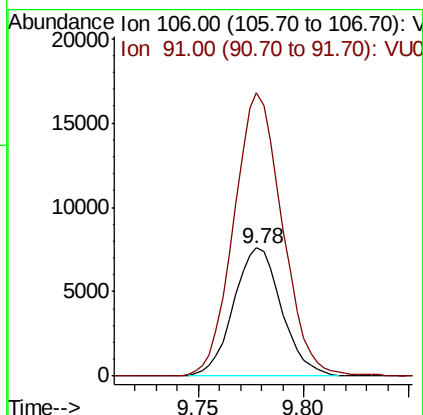
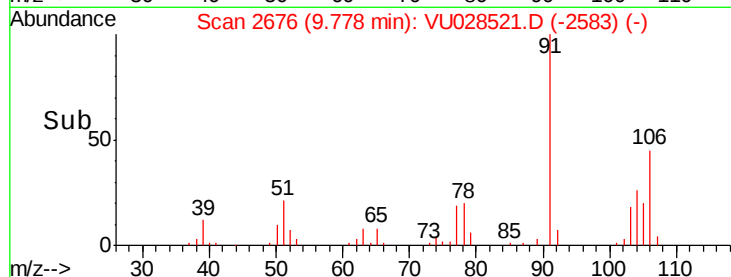
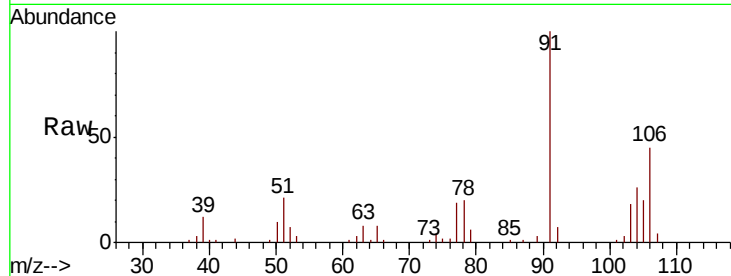




#54
o-xylene
Concen: 5.766 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

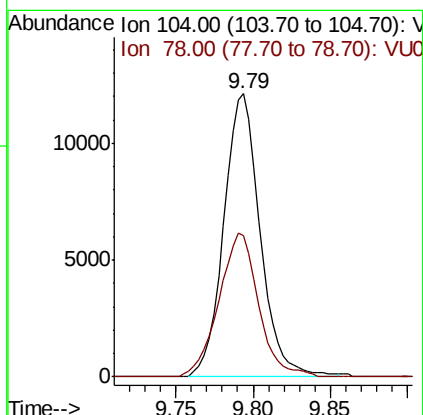
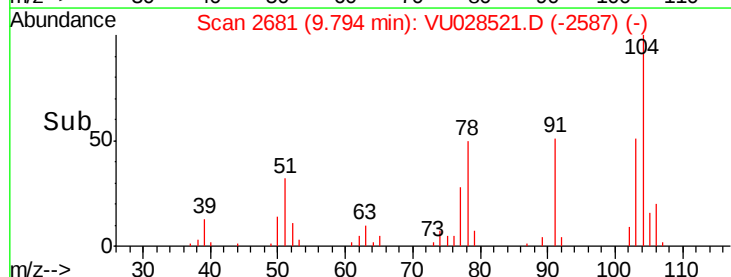
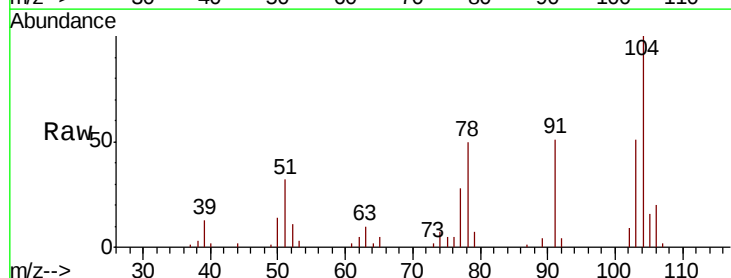
Instrument :
MSVOA_U
ClientSampleId :
VSTD00554

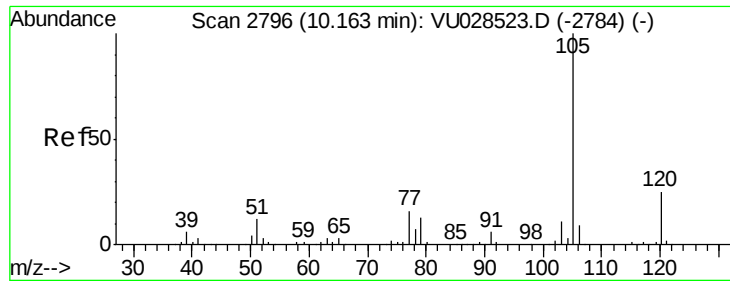
Tgt Ion:106 Resp: 12022
Ion Ratio Lower Upper
106 100
91 221.3 151.4 281.2



#55
Styrene
Concen: 5.511 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028521.D
Acq: 07 Dec 2018 09:47

Tgt Ion:104 Resp: 19697
Ion Ratio Lower Upper
104 100
78 50.0 34.1 63.3





#56

Isopropylbenzene

Concen: 5.605 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

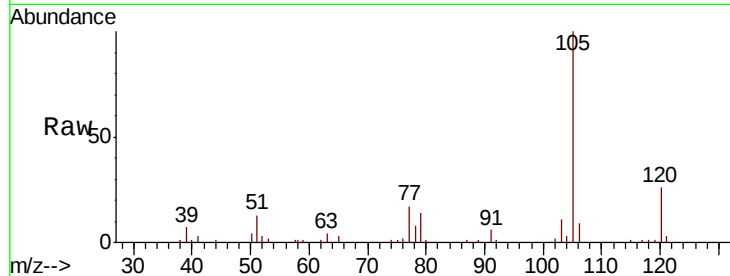
Tgt Ion: 105 Resp: 30862

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.2

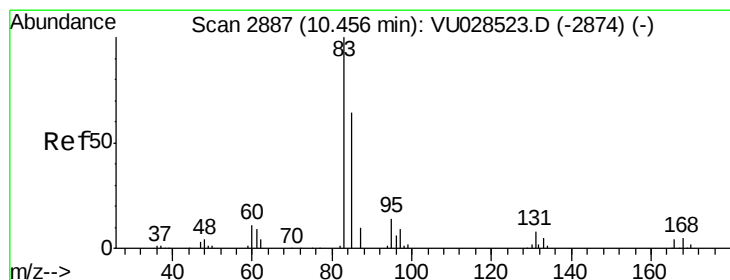
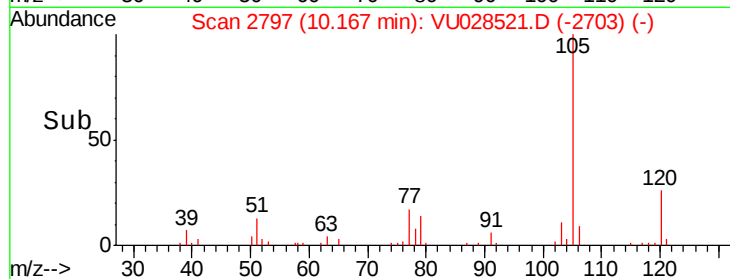
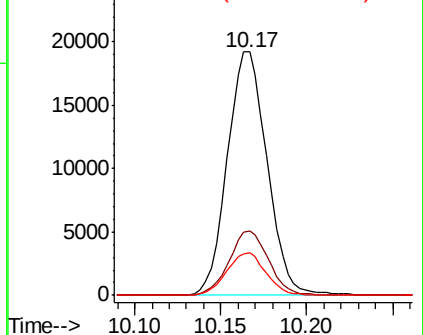
77 17.1 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.721 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

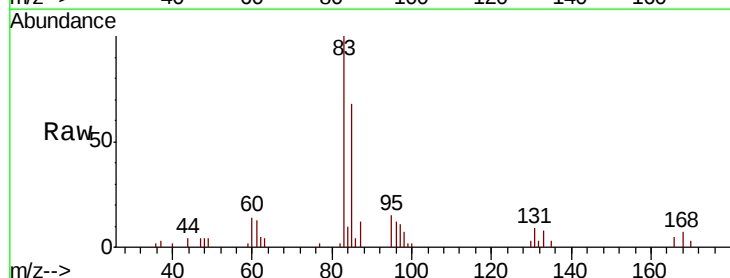
Tgt Ion: 83 Resp: 12886

Ion Ratio Lower Upper

83 100

85 68.5 45.1 83.7

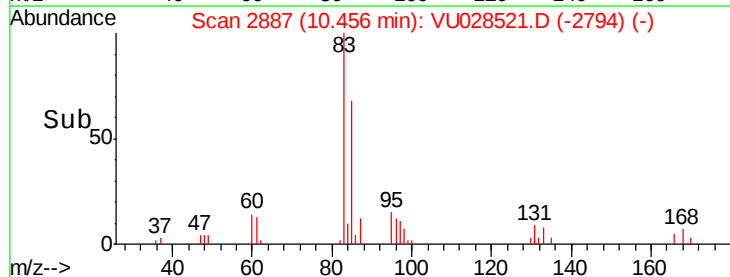
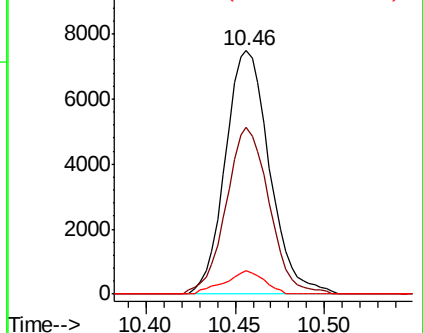
131 9.5 6.4 9.6

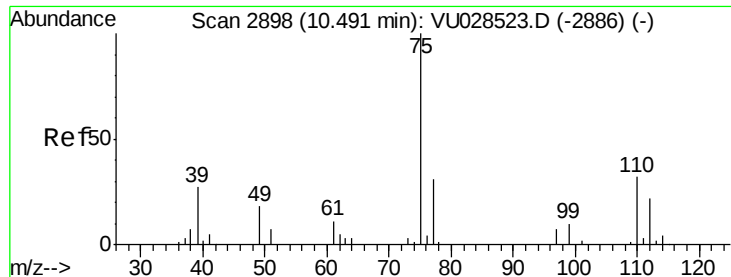


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

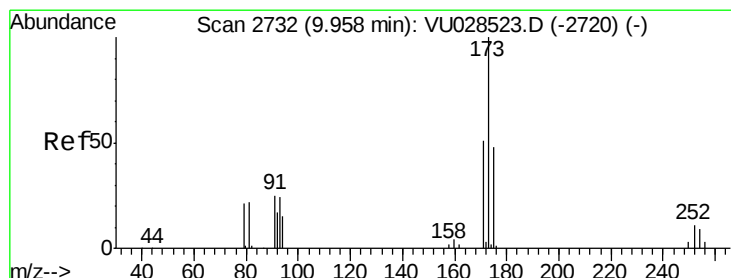
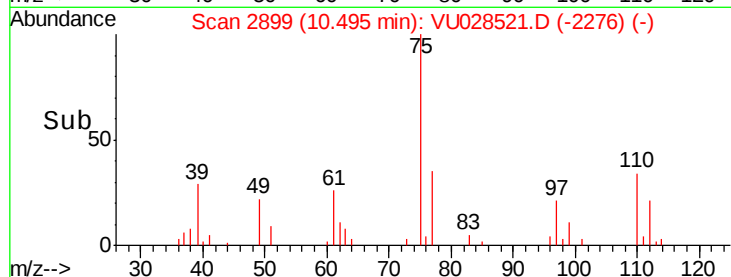
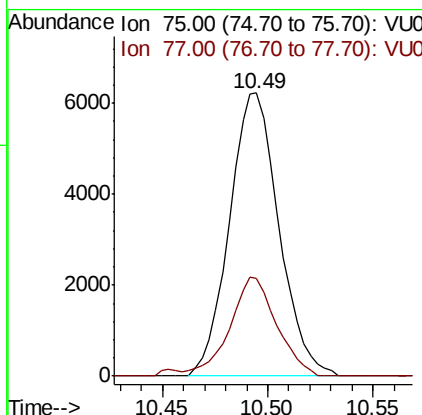
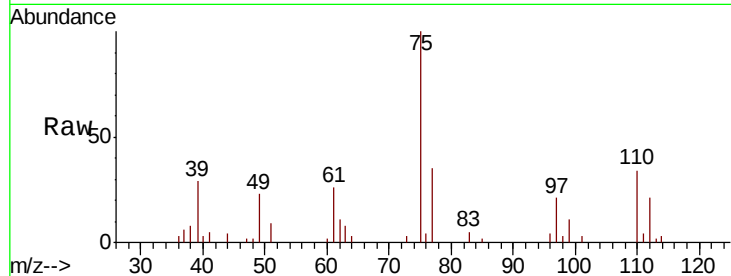




#59
 1,2,3-Trichloropropane
 Concen: 5.717 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028521.D
 Acq: 07 Dec 2018 09:47

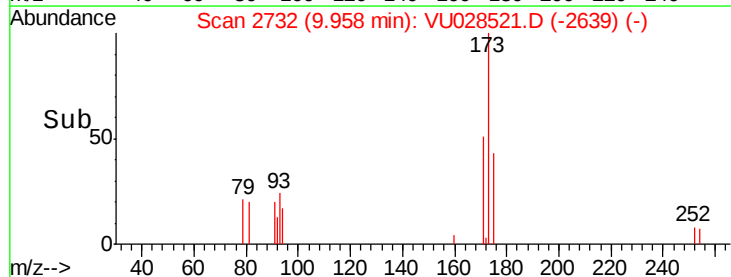
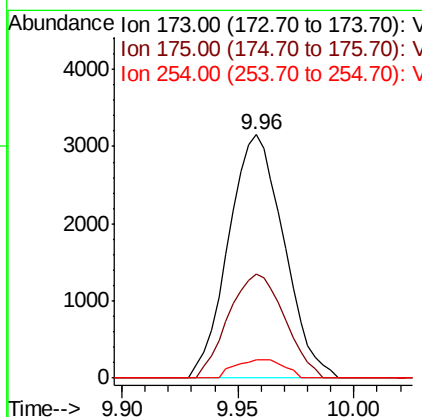
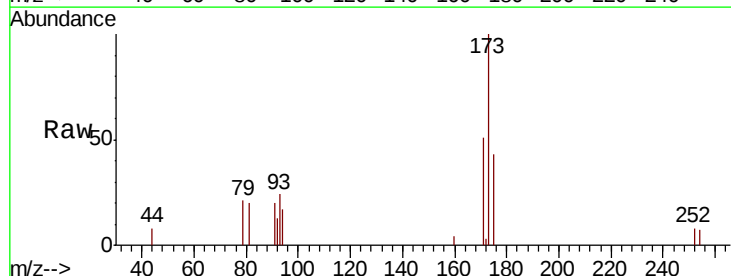
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

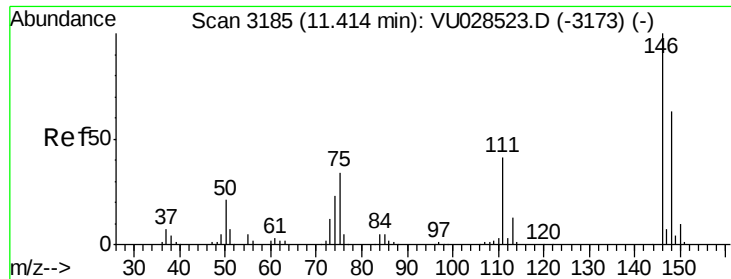
Tgt Ion: 75 Resp: 10128
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.2



#61
 Bromoform
 Concen: 5.965 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU028521.D
 Acq: 07 Dec 2018 09:47

Tgt Ion: 173 Resp: 5224
 Ion Ratio Lower Upper
 173 100
 175 43.4 38.7 58.1
 254 6.7 7.1 10.7#





#62

1,3-Dichlorobenzene

Concen: 6.025 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

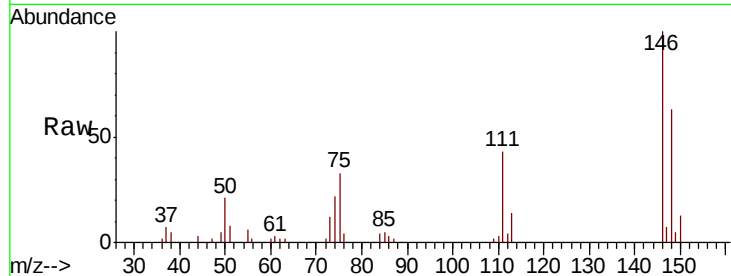
Tgt Ion:146 Resp: 14004

Ion Ratio Lower Upper

146 100

111 43.2 28.5 52.9

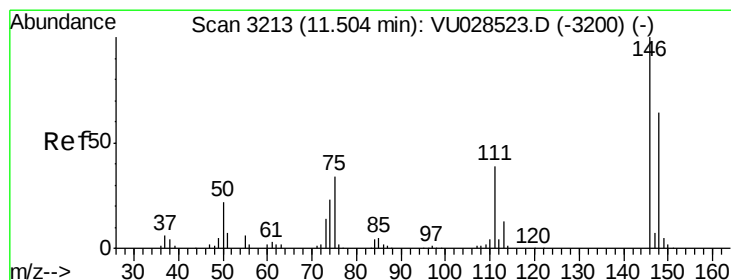
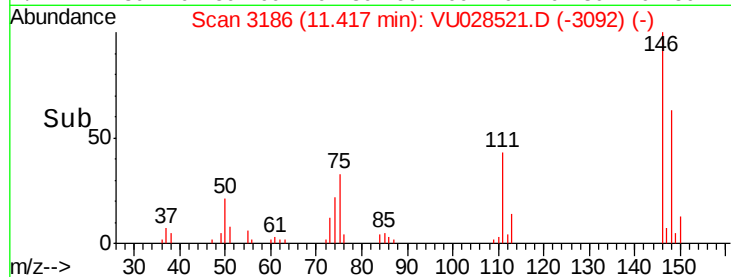
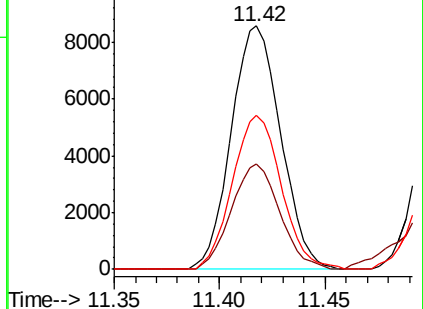
148 63.0 43.9 81.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 6.064 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

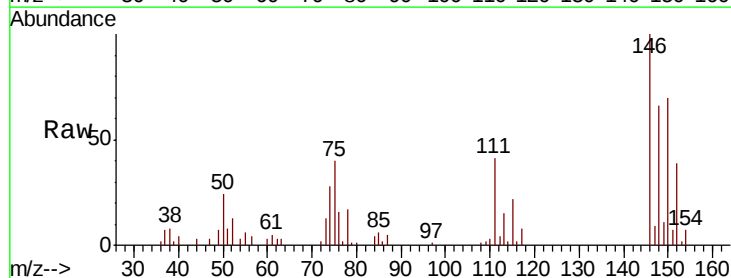
Tgt Ion:146 Resp: 14207

Ion Ratio Lower Upper

146 100

111 41.2 27.6 51.4

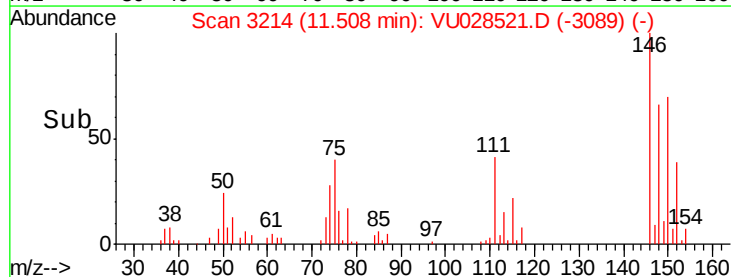
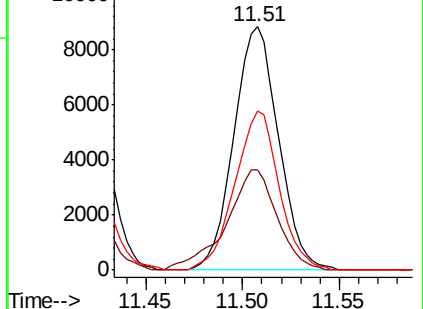
148 65.5 45.1 83.9

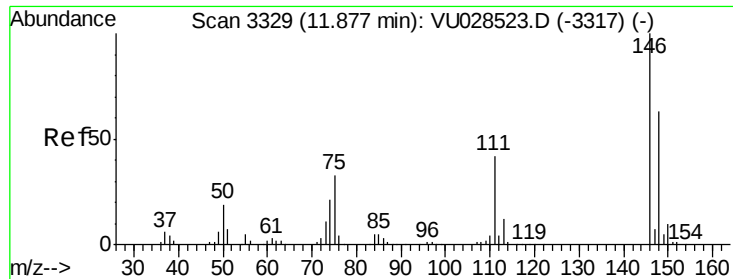


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 6.048 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

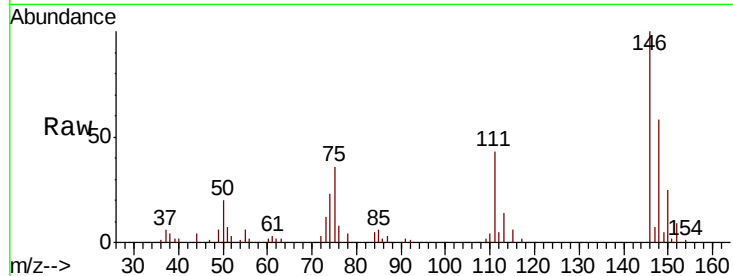
Tgt Ion:146 Resp: 13980

Ion Ratio Lower Upper

146 100

111 43.3 33.4 50.2

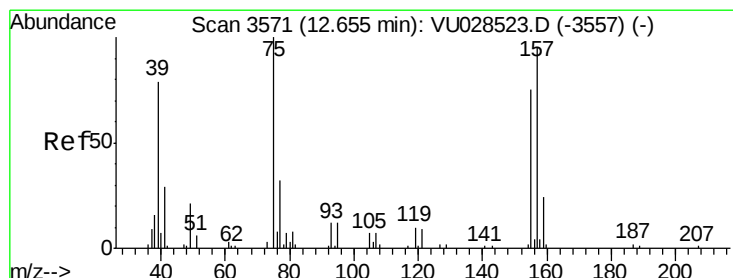
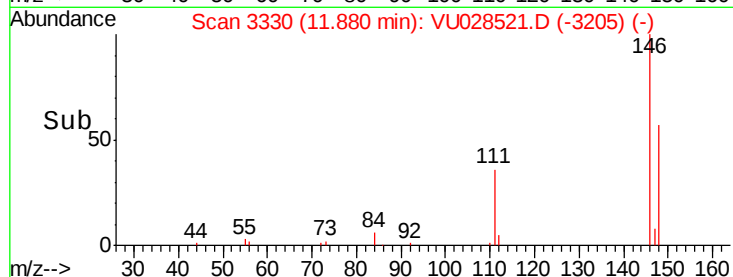
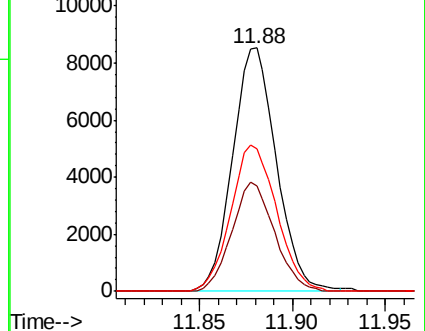
148 58.3 50.2 75.2



Abundance Ion 146.00 (145.70 to 146.70): 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: 5.927 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

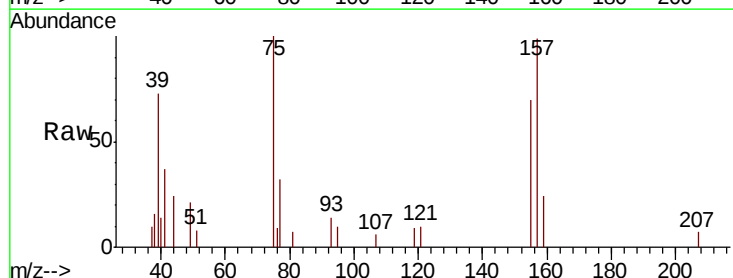
Tgt Ion: 75 Resp: 2715

Ion Ratio Lower Upper

75 100

155 70.2 59.9 89.9

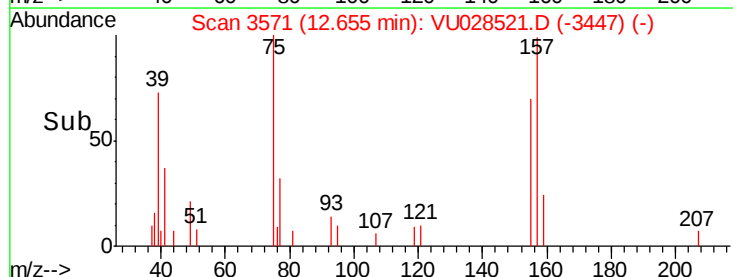
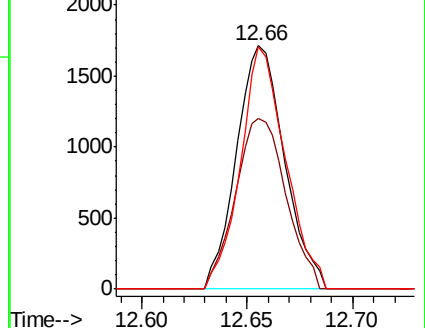
157 99.5 75.8 113.8

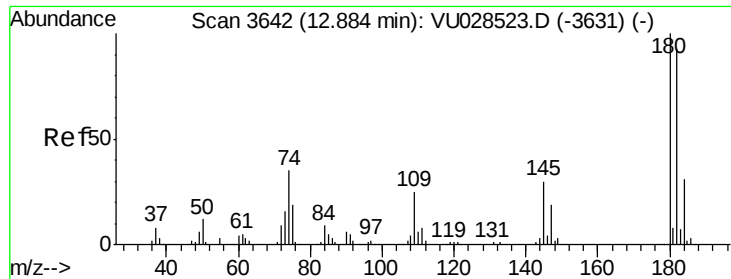


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

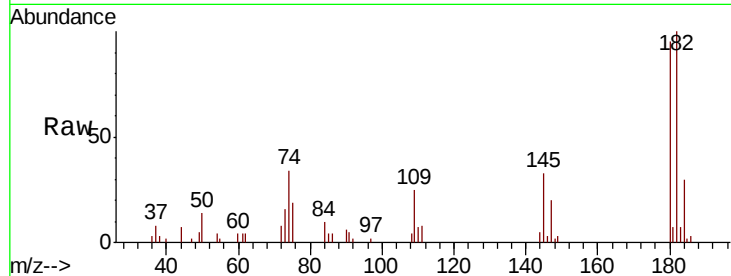




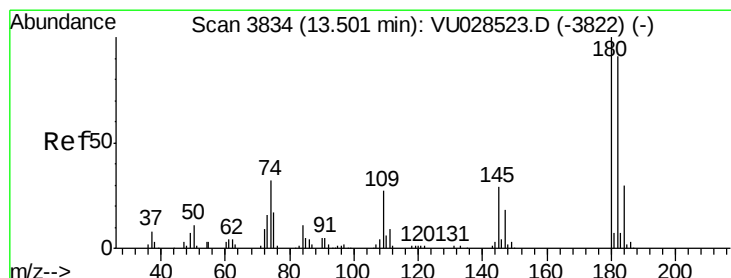
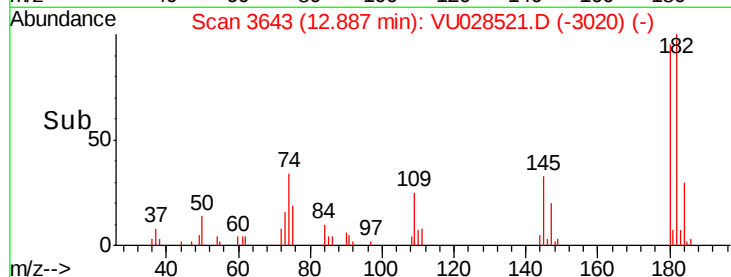
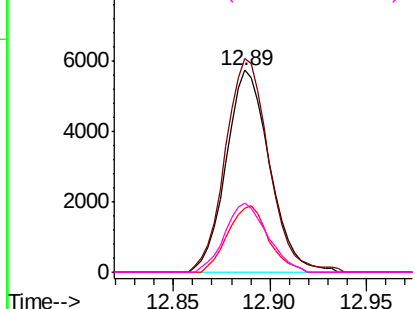
#67
 1,3,5-Trichlorobenzene
 Concen: 5.227 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028521.D
 Acq: 07 Dec 2018 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00554

Tgt Ion:180 Resp: 8972
 Ion Ratio Lower Upper
 180 100
 182 105.6 75.0 112.6
 184 30.5 23.9 35.9
 145 33.6 23.8 35.8

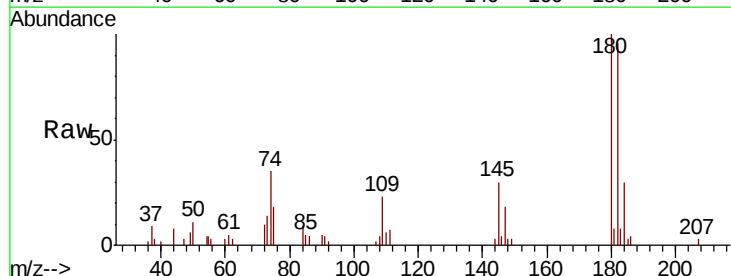


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

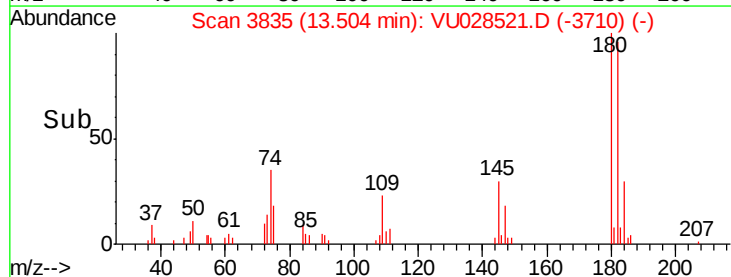
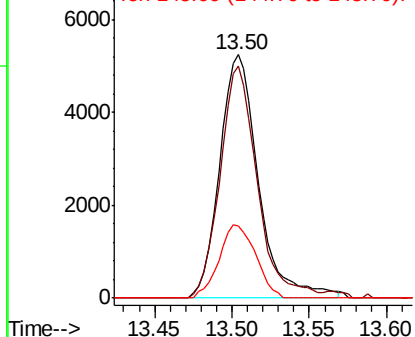


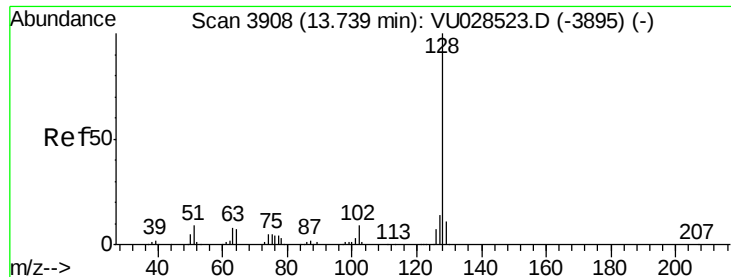
#68
 1,2,4-trichlorobenzene
 Concen: 5.706 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028521.D
 Acq: 07 Dec 2018 09:47

Tgt Ion:180 Resp: 9117
 Ion Ratio Lower Upper
 180 100
 182 91.2 74.8 112.2
 145 28.1 23.0 34.6



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





#69

Naphthalene

Concen: 5.171 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00554

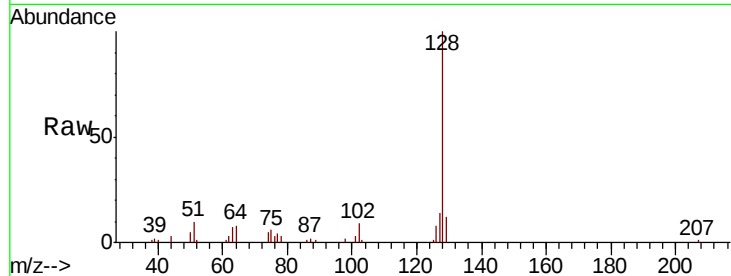
Tgt Ion:128 Resp: 28470

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

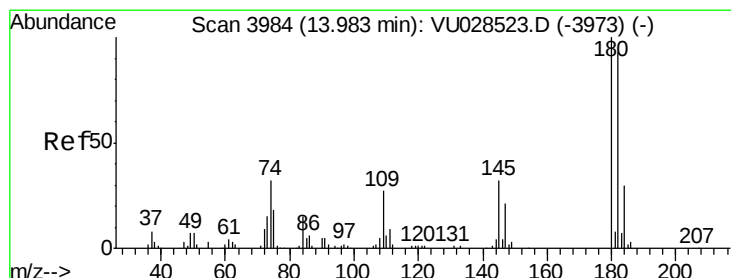
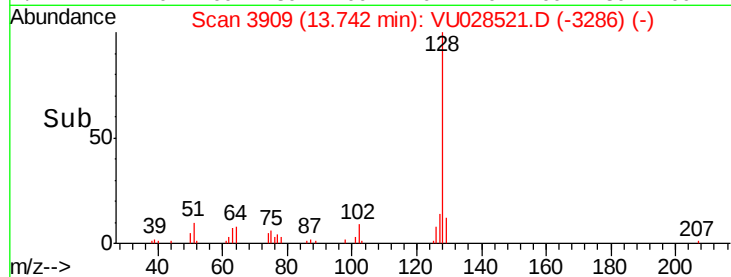
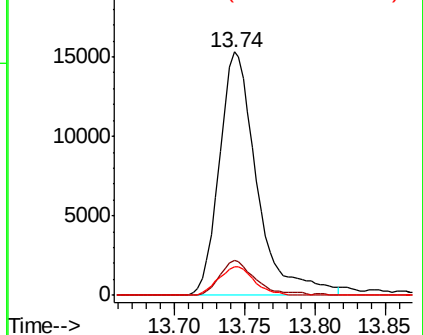
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.536 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028521.D

Acq: 07 Dec 2018 09:47

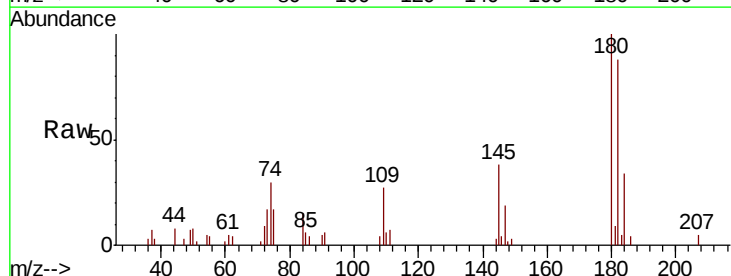
Tgt Ion:180 Resp: 8887

Ion Ratio Lower Upper

180 100

182 95.7 75.2 112.8

145 32.2 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

