

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
 Data File : VU028524.D
 Acq On : 07 Dec 2018 10:59
 Operator : MD/SY
 Sample : VSTD10057
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

Quant Time: Dec 07 22:42:00 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	5.89	114	154743	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	149910	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74299	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	148293	106.65	ug/L	0.00
7) Chloroethane-d5	1.67	69	110008	103.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	258147	104.70	ug/L	0.00
21) 2-Butanone-d5	4.17	46	244594	216.24	ug/L	0.00
24) Chloroform-d	4.65	84	232614	104.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	153427	101.32	ug/L	0.00
32) Benzene-d6	5.34	84	483702	104.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	172066	102.61	ug/L	0.00
41) Toluene-d8	7.57	98	440577	104.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	82121	108.14	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	173549	215.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	227097	105.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	153248	103.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	125121	92.870 ug/L	99
3) Chloromethane	1.33	50	193820	98.649 ug/L	98
5) Vinyl chloride	1.40	62	165369	98.400 ug/L	98
6) Bromomethane	1.62	94	47903	100.004 ug/L	96
8) Chloroethane	1.69	64	94736	100.159 ug/L	98
9) Trichlorofluoromethane	1.89	101	172536	100.012 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	104283	103.370 ug/L	99
12) 1,1-Dichloroethene	2.28	96	102003	105.395 ug/L	93
13) Acetone	2.32	43	223022	189.451 ug/L	100
14) Carbon disulfide	2.48	76	362570	99.304 ug/L	99
15) Methyl Acetate	2.61	43	176390	102.044 ug/L	99
16) Methylene chloride	2.70	84	129733	103.615 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	113729	103.434 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	390709	102.456 ug/L	99
19) 1,1-Dichloroethane	3.45	63	243618	102.451 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	130908	103.221 ug/L	97
22) 2-Butanone	4.26	43	292637	201.279 ug/L	99
23) Bromochloromethane	4.55	128	57294	103.058 ug/L	97
25) Chloroform	4.67	83	224161	103.150 ug/L	98
27) 1,2-Dichloroethane	5.40	62	185091	102.846 ug/L	100
29) Cyclohexane	5.00	56	240336	100.007 ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	179837	102.216 ug/L	100
31) Carbon tetrachloride	5.13	117	146650	103.632 ug/L	98
33) Benzene	5.39	78	519109	101.646 ug/L	100
34) Trichloroethene	6.19	95	124599	101.474 ug/L	97
35) Methylcyclohexane	6.41	83	216371	101.882 ug/L	99
37) 1,2-Dichloropropane	6.43	63	154482	102.050 ug/L	100
38) Bromodichloromethane	6.76	83	171426	102.280 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	224684	104.445 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	488163	205.549 ug/L	100

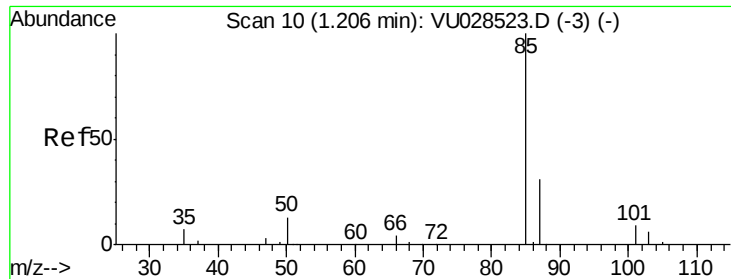
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 22:38:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	535557	103.257	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	206831	104.927	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	121316	102.693	ug/L	98
46) Tetrachloroethene	8.23	164	88302	102.630	ug/L	97
48) 2-Hexanone	8.36	43	401540	201.562	ug/L	99
49) Dibromochloromethane	8.48	129	124148	103.262	ug/L	98
50) 1,2-Dibromoethane	8.58	107	129824	102.870	ug/L	100
51) Chlorobenzene	9.12	112	317367	102.459	ug/L	97
52) Ethylbenzene	9.25	91	592597	103.403	ug/L	99
53) m,p-Xylene	9.37	106	214192	104.512	ug/L	100
54) o-xylene	9.78	106	210209	103.748	ug/L	92
55) Styrene	9.79	104	367833	105.906	ug/L	100
56) Isopropylbenzene	10.16	105	550380	102.854	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	226462	103.469	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	175672	102.049	ug/L	100
61) Bromoform	9.96	173	93043	102.762	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	245718	102.261	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	247774	102.296	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	245480	102.719	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	48642	102.713	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	185742	104.677	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	170912	103.475	ug/L	97
69) Naphthalene	13.74	128	596767	104.847	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	173404	104.493	ug/L	98

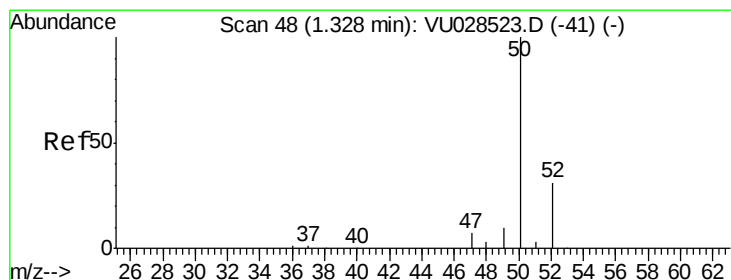
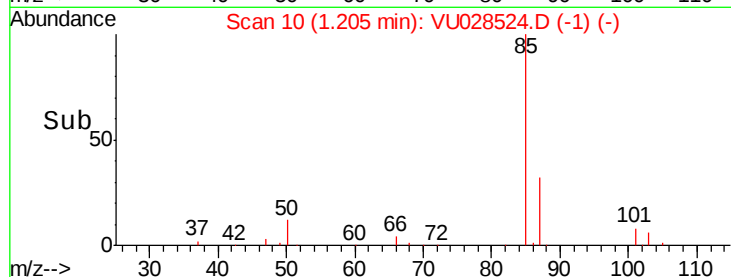
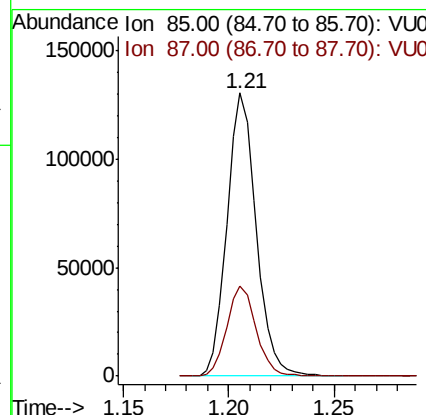
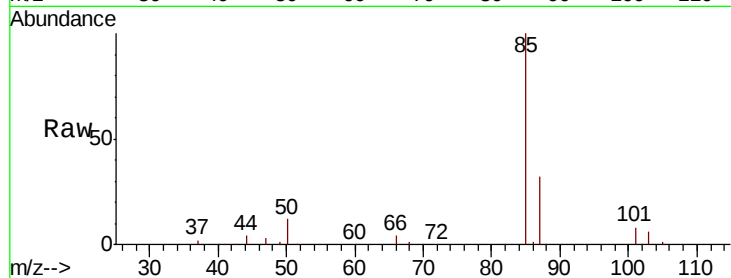
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 92.870 ug/L
RT: 1.21 min Scan# 10
Delta R.T. -0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

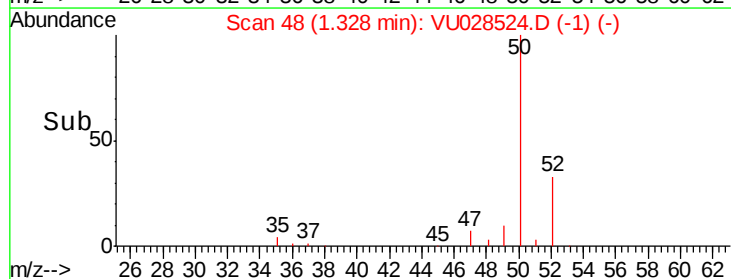
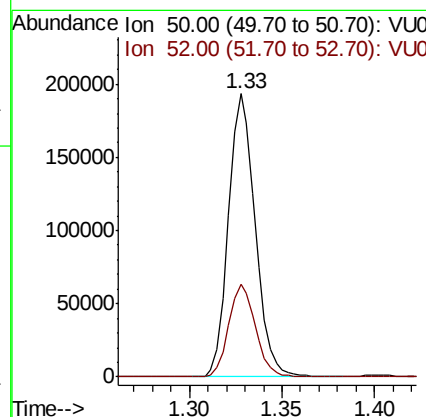
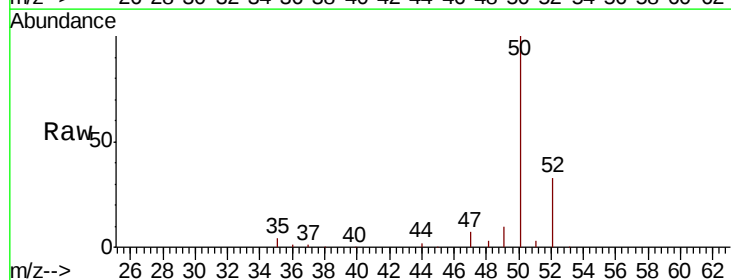
Instrument :
MSVOA_U
ClientSampled :
VSTD10057

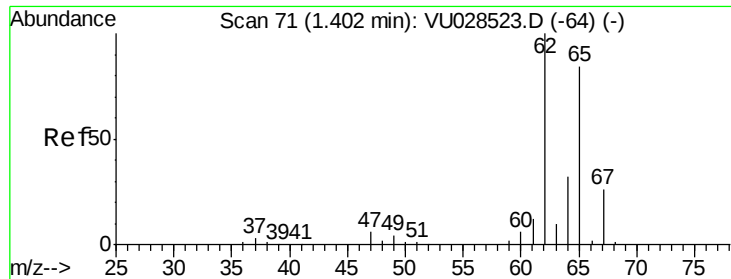
Tgt Ion: 85 Resp: 125121
Ion Ratio Lower Upper
85 100
87 31.9 25.0 37.4



#3
Chloromethane
Concen: 98.649 ug/L
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Tgt Ion: 50 Resp: 193820
Ion Ratio Lower Upper
50 100
52 32.6 22.0 41.0





#5

Vinyl chloride

Concen: 98.400 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

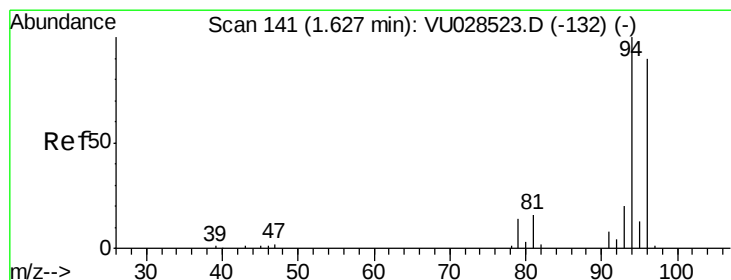
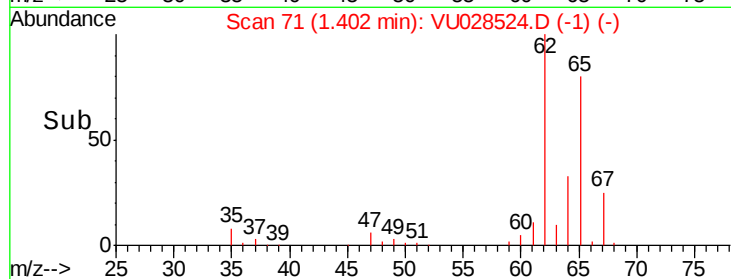
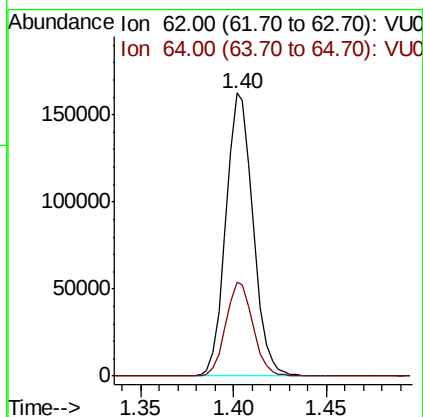
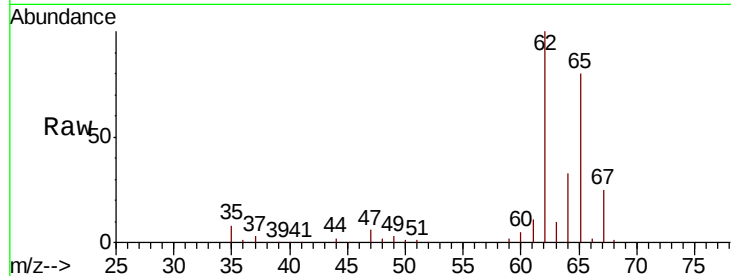
VSTD10057

Tgt Ion: 62 Resp: 165369

Ion Ratio Lower Upper

62 100

64 33.0 22.3 41.5



#6

Bromomethane

Concen: 100.004 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.01 min

Lab File: VU028524.D

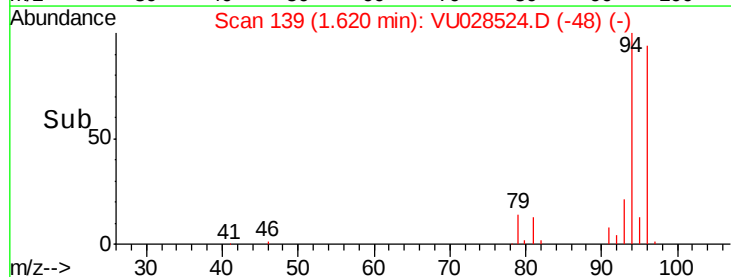
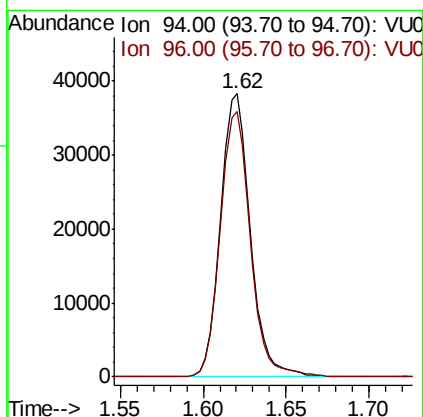
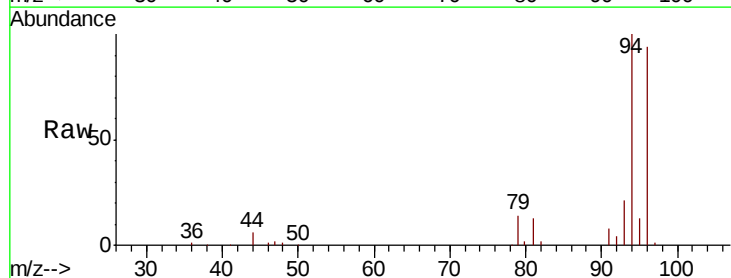
Acq: 07 Dec 2018 10:59

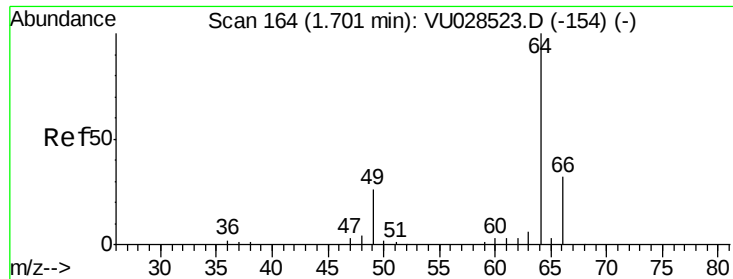
Tgt Ion: 94 Resp: 47903

Ion Ratio Lower Upper

94 100

96 93.7 62.9 116.9

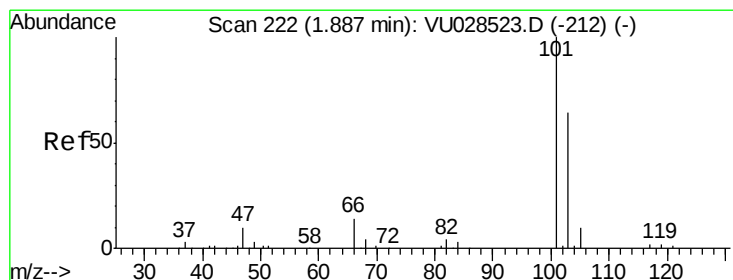
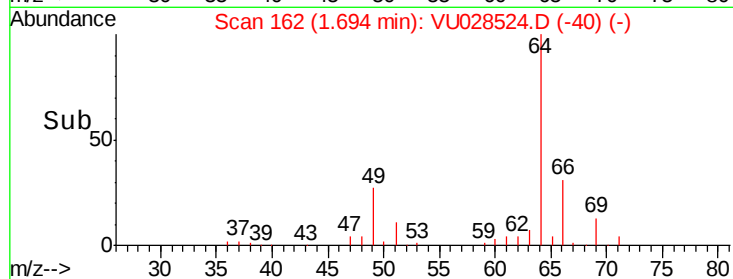
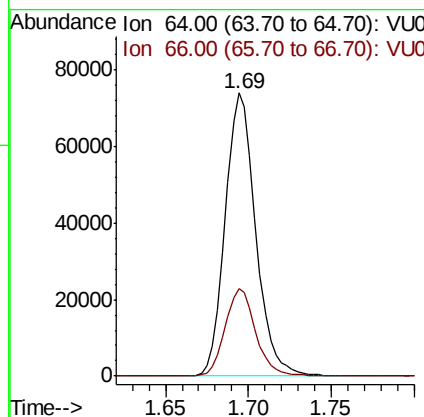
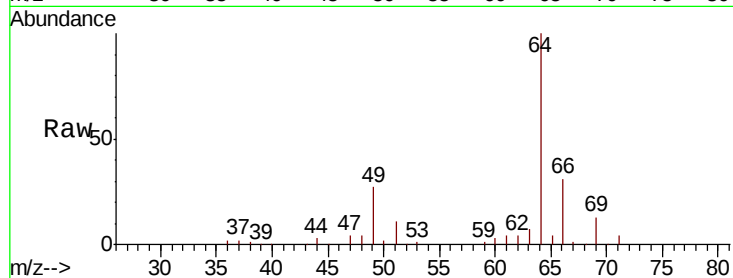




#8
 Chloroethane
 Concen: 100.159 ug/L
 RT: 1.69 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

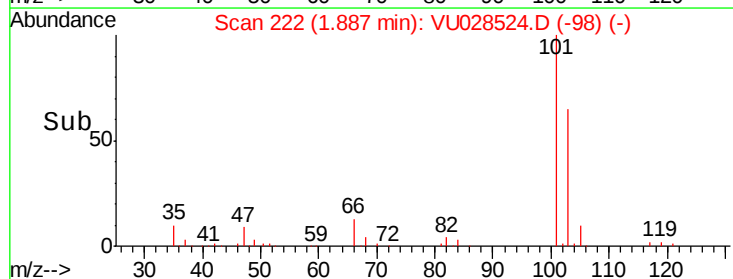
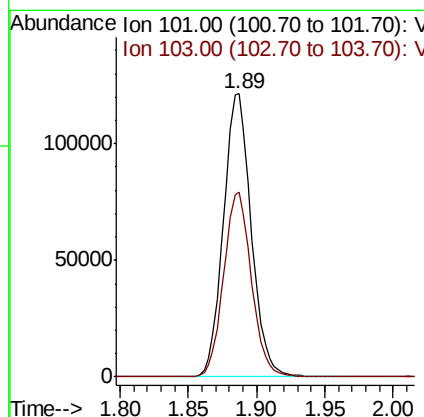
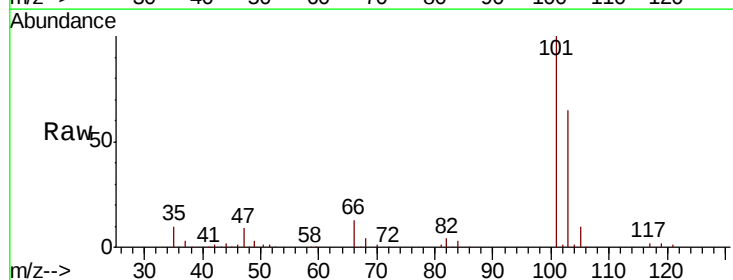
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

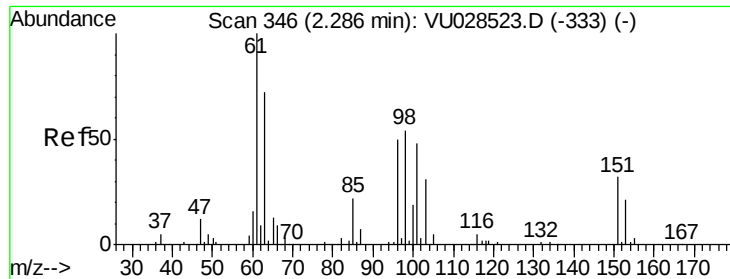
Tgt Ion: 64 Resp: 94736
 Ion Ratio Lower Upper
 64 100
 66 31.1 22.4 41.6



#9
 Trichlorofluoromethane
 Concen: 100.012 ug/L
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Tgt Ion: 101 Resp: 172536
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.6





#10

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

Concen: 103.370 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

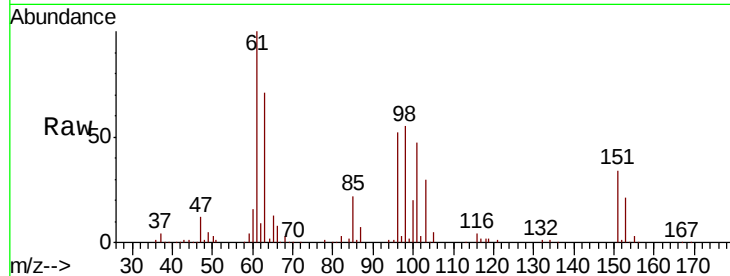
Tgt Ion:101 Resp: 104283

Ion Ratio Lower Upper

101 100

85 45.6 36.8 55.2

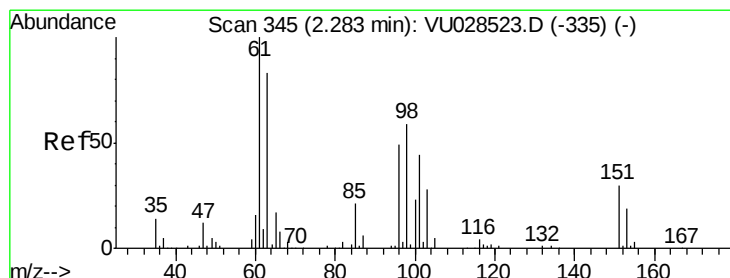
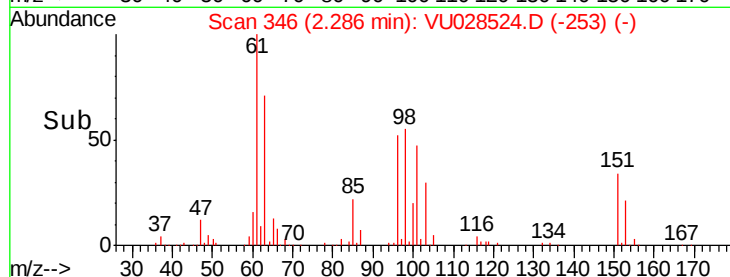
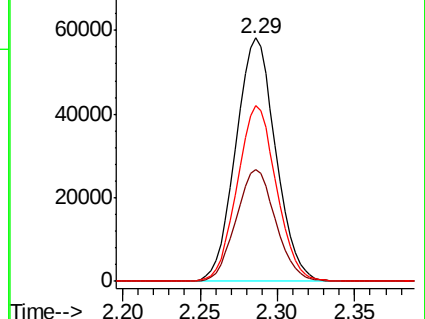
151 70.8 55.8 83.8



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: 105.395 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

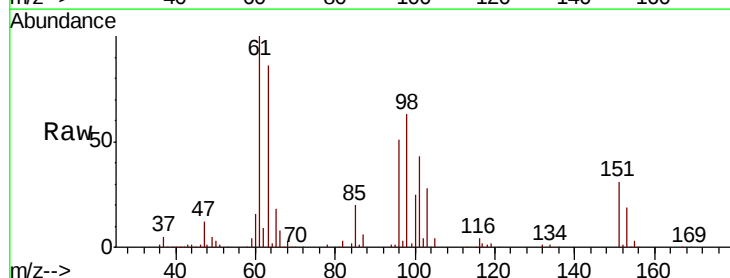
Tgt Ion: 96 Resp: 102003

Ion Ratio Lower Upper

96 100

61 197.9 143.2 266.0

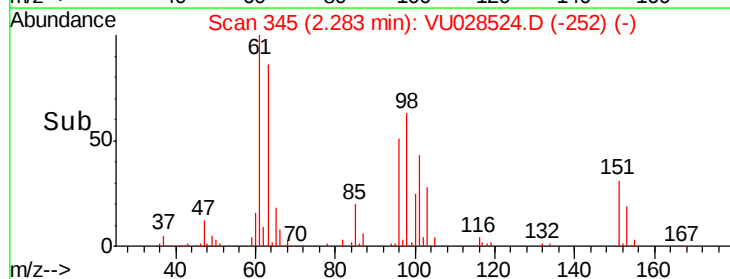
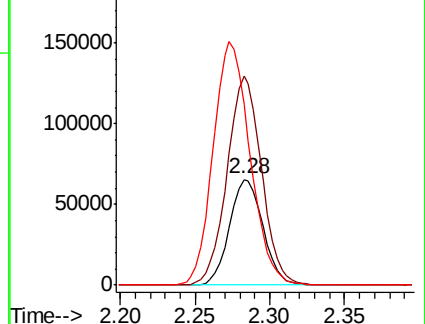
63 170.6 130.1 241.7

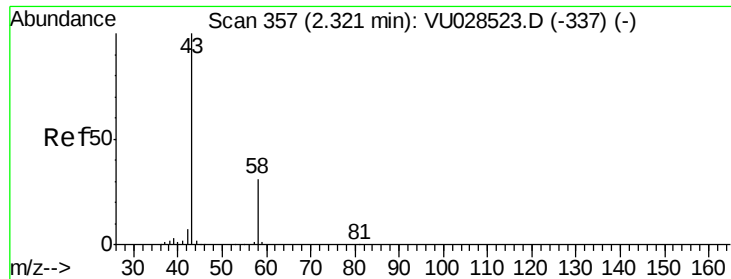


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 189.451 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

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MSVOA_U

ClientSampleId :

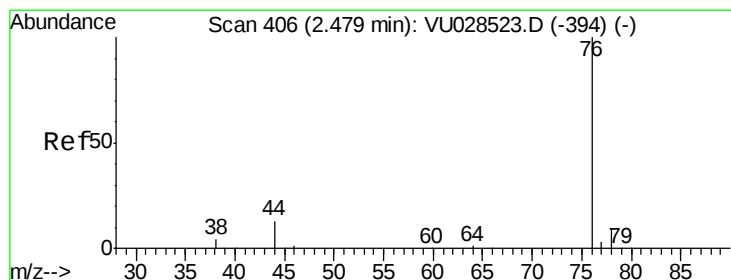
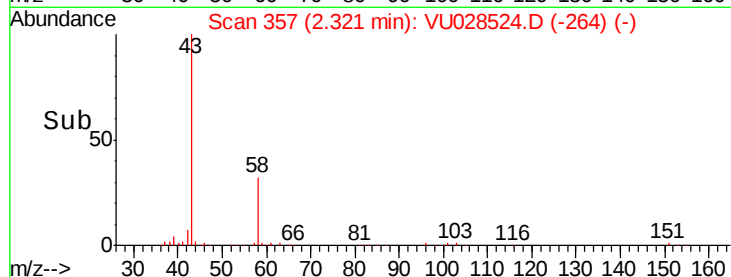
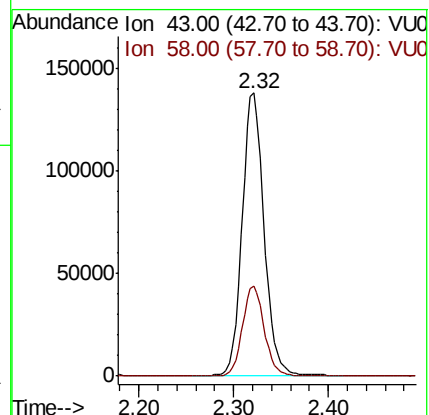
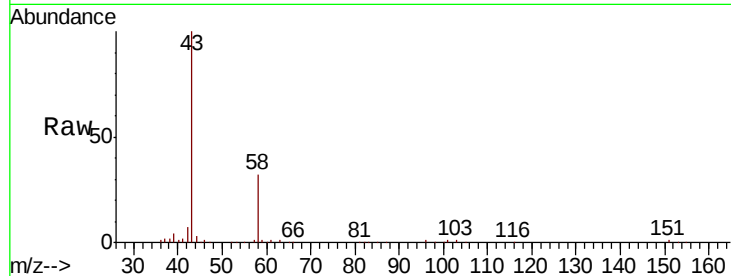
VSTD10057

Tgt Ion: 43 Resp: 223022

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.0



#14

Carbon disulfide

Concen: 99.304 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028524.D

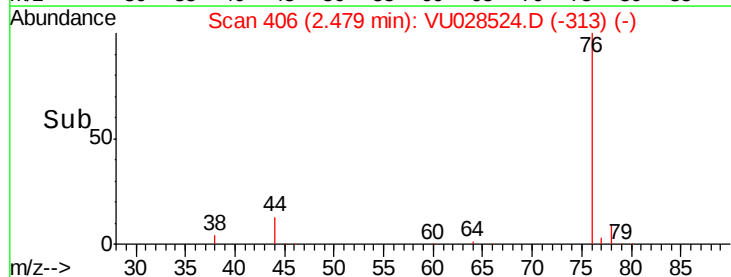
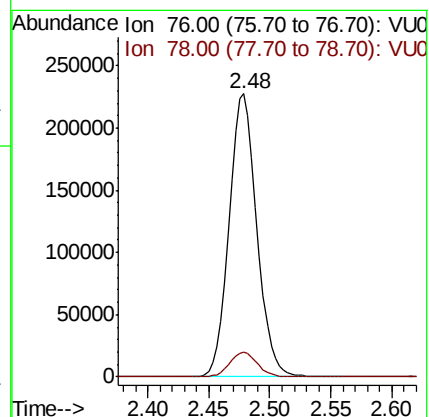
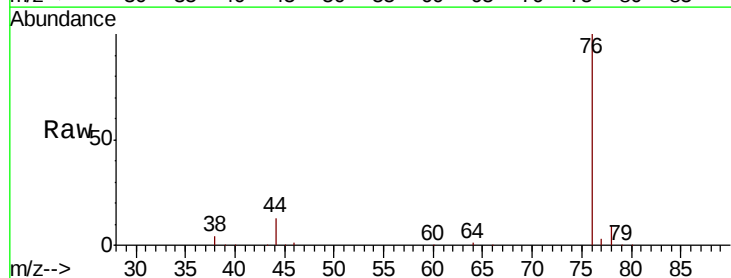
Acq: 07 Dec 2018 10:59

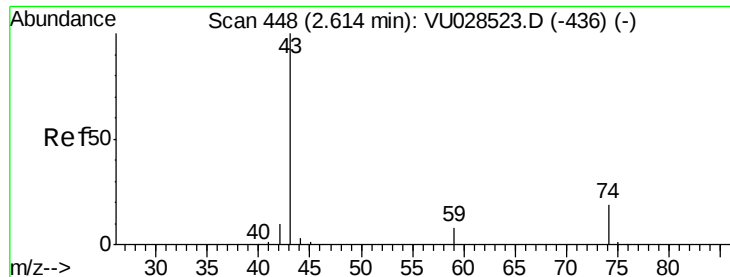
Tgt Ion: 76 Resp: 362570

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





#15

Methyl Acetate

Concen: 102.044 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

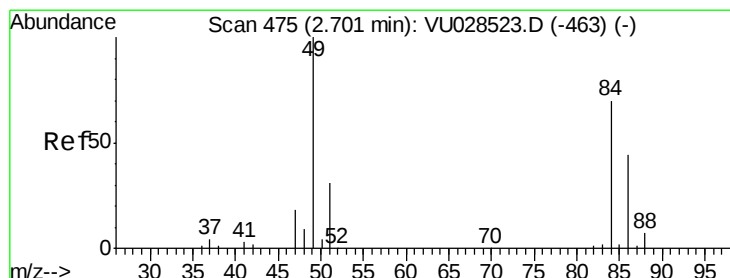
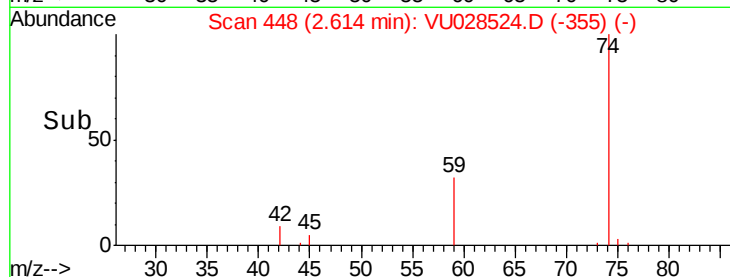
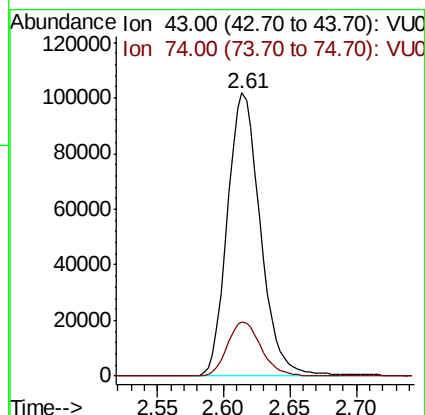
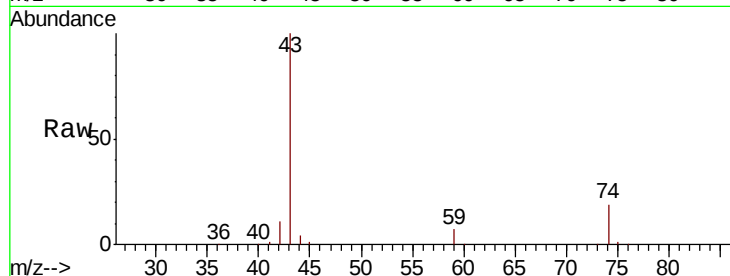
VSTD10057

Tgt Ion: 43 Resp: 176390

Ion Ratio Lower Upper

43 100

74 19.5 15.4 23.0



#16

Methylene chloride

Concen: 103.615 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

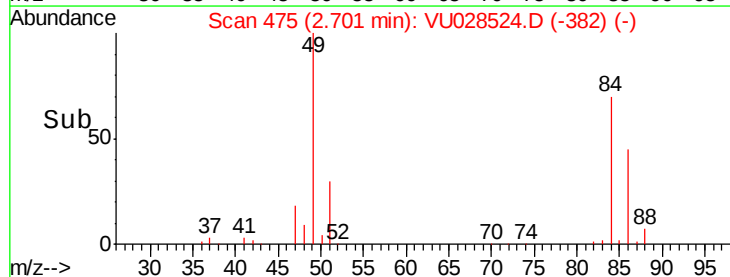
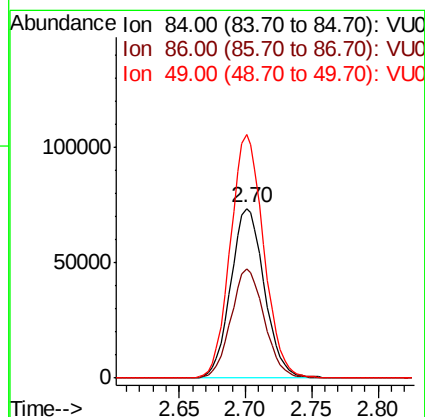
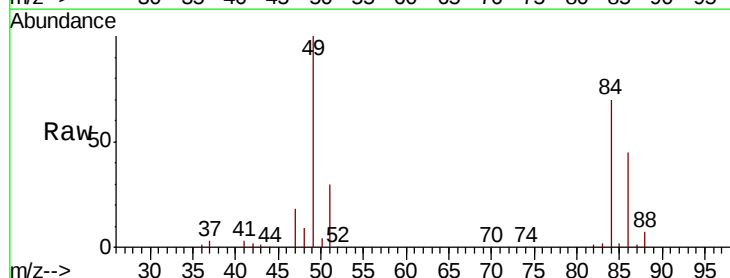
Tgt Ion: 84 Resp: 129733

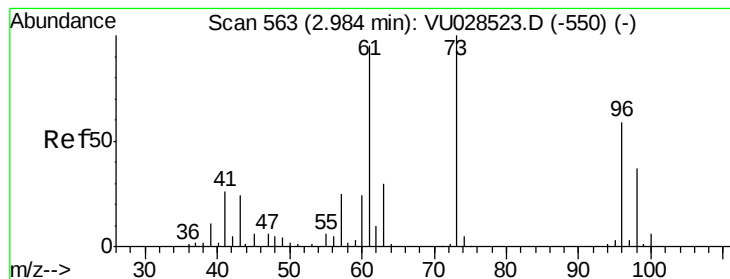
Ion Ratio Lower Upper

84 100

86 64.6 44.3 82.3

49 143.2 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 103.434 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

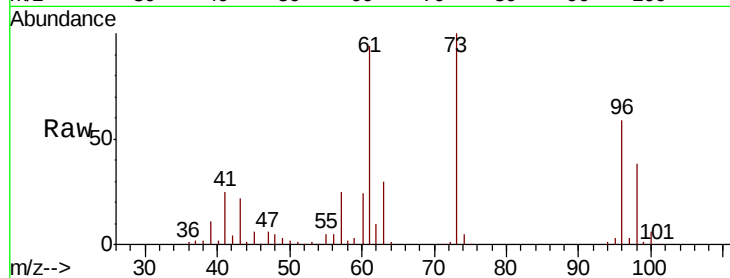
Tgt Ion: 96 Resp: 113729

Ion Ratio Lower Upper

96 100

61 158.9 112.8 209.4

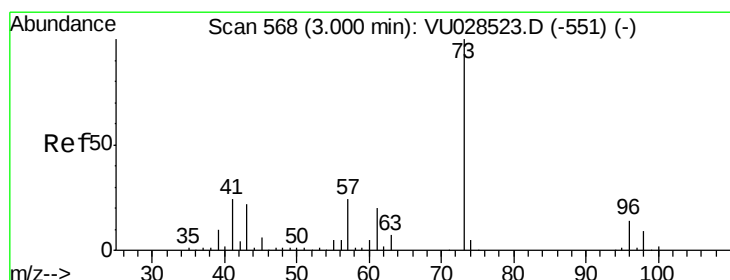
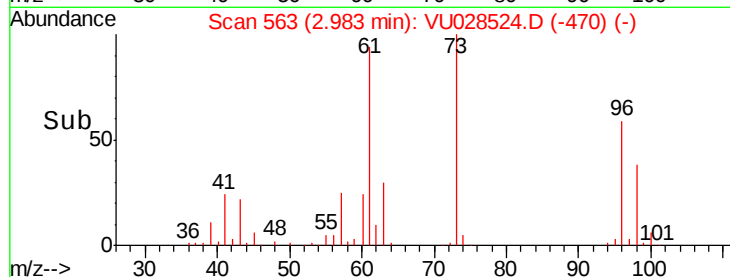
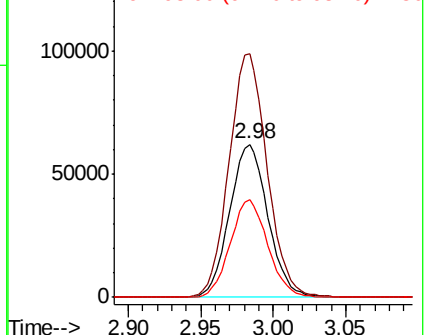
98 63.5 43.8 81.3



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: 102.456 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

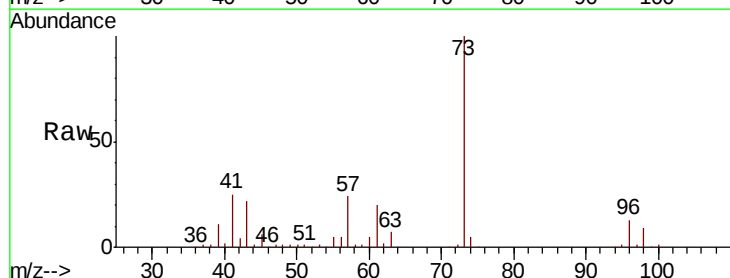
Tgt Ion: 73 Resp: 390709

Ion Ratio Lower Upper

73 100

43 22.0 18.1 27.1

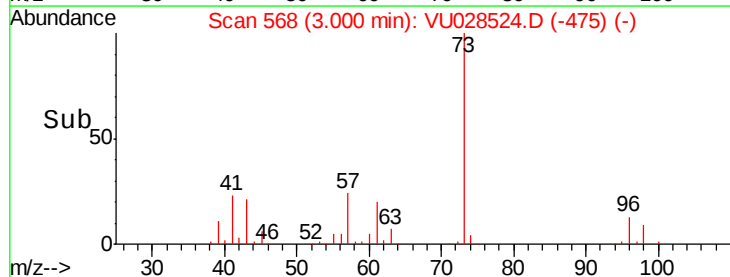
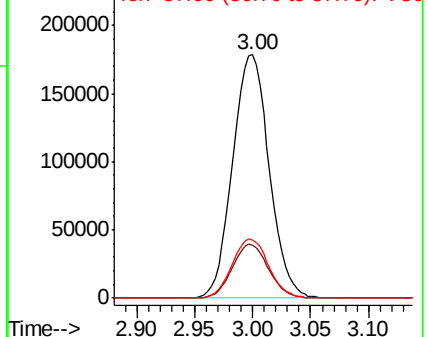
57 24.3 19.7 29.5

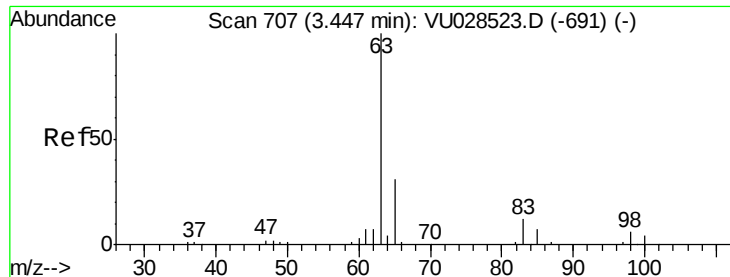


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

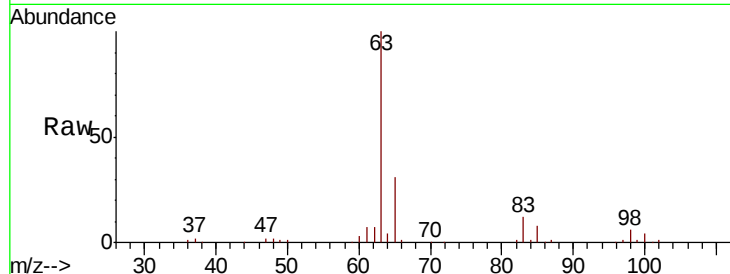




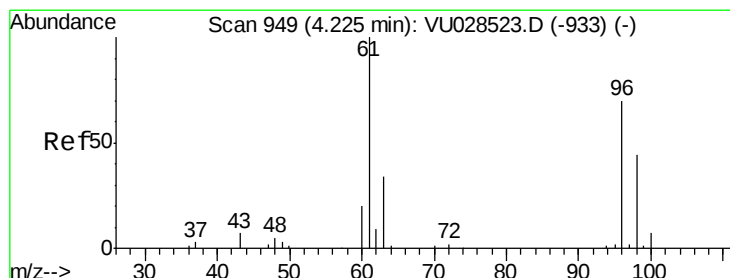
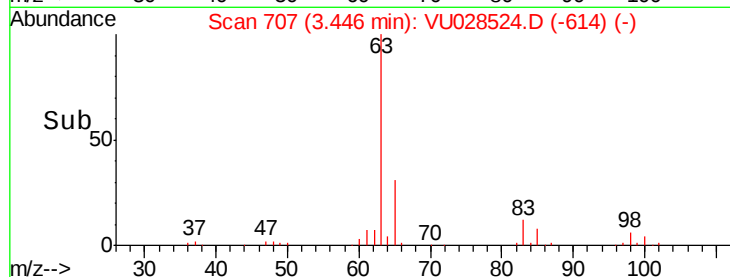
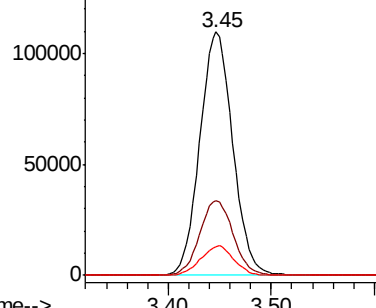
#19
 1,1-Dichloroethane
 Concen: 102.451 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

Tgt Ion: 63 Resp: 243618
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.8 40.4
 83 12.0 8.5 15.7

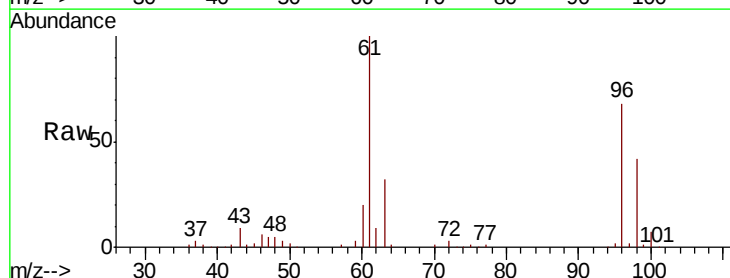


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

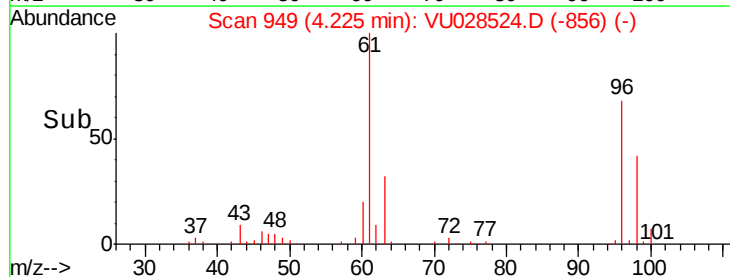
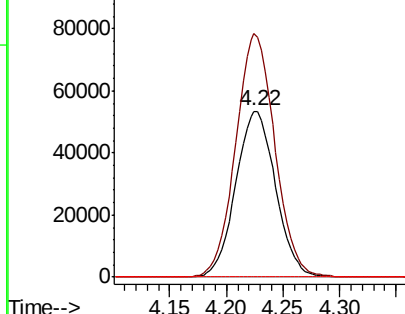


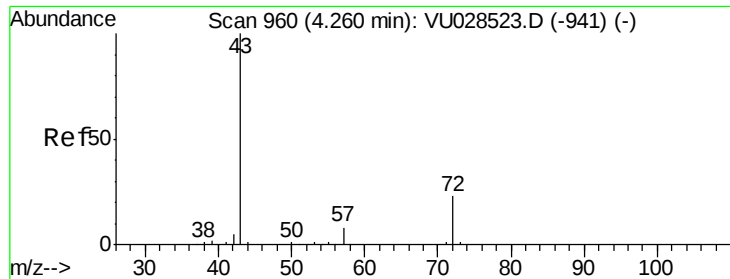
#20
 cis-1,2-Dichloroethene
 Concen: 103.221 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Tgt Ion: 96 Resp: 130908
 Ion Ratio Lower Upper
 96 100
 61 146.6 100.1 185.9
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 201.279 ug/L

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

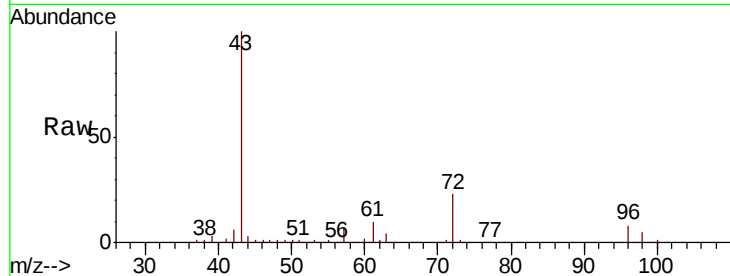
VSTD10057

Tgt Ion: 43 Resp: 292637

Ion Ratio Lower Upper

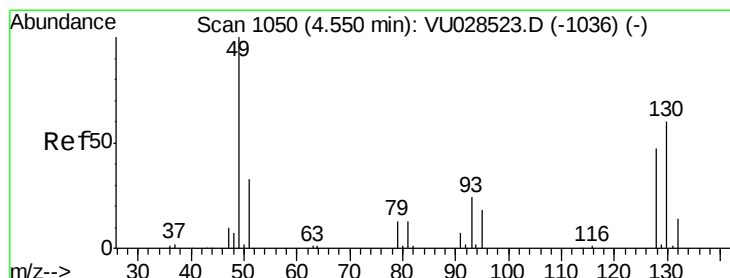
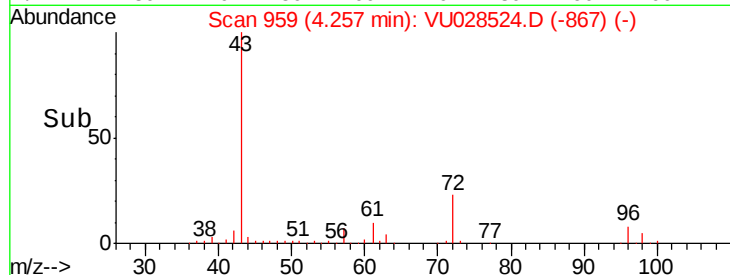
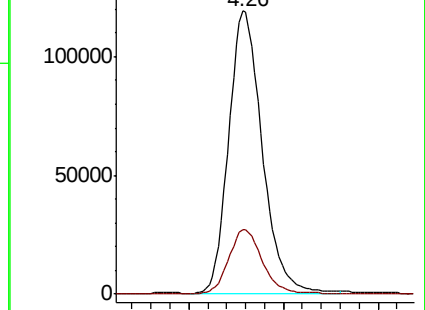
43 100

72 23.1 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: 103.058 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Tgt Ion: 128 Resp: 57294

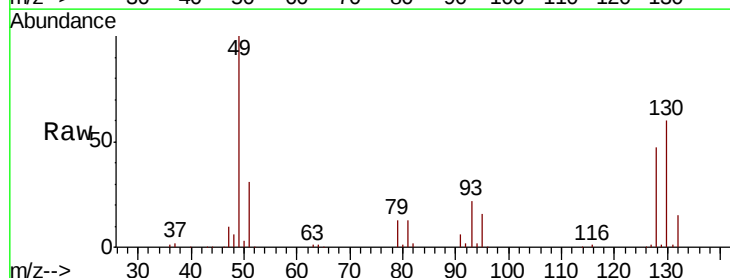
Ion Ratio Lower Upper

128 100

49 212.6 150.8 280.1

130 127.2 90.9 168.7

51 65.3 56.7 85.1

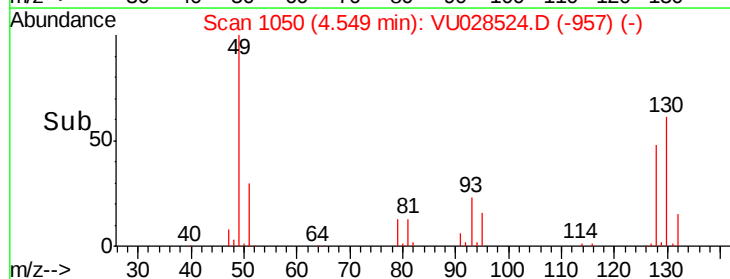
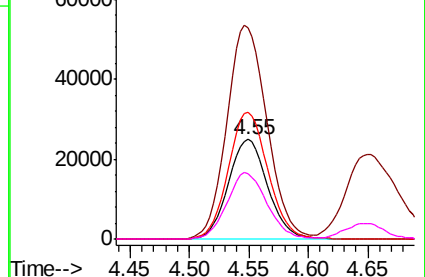


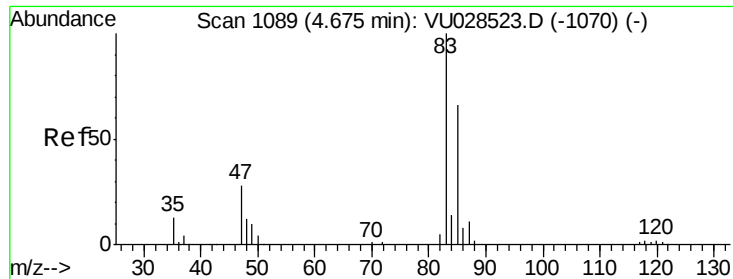
Abundance Ion 128.00 (127.70 to 128.70): VU028523.D (-1036) (-)

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) (-)

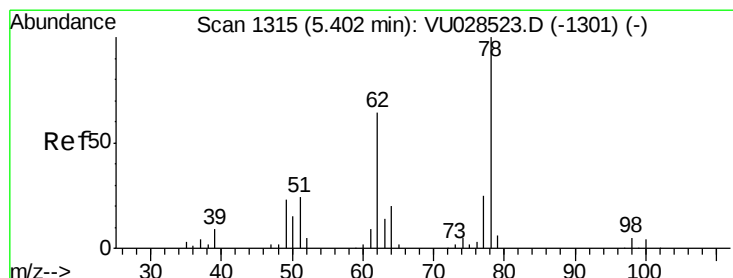
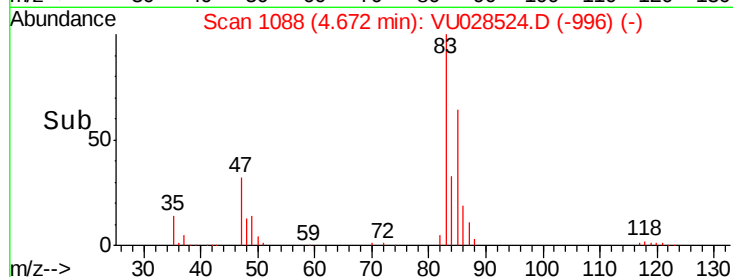
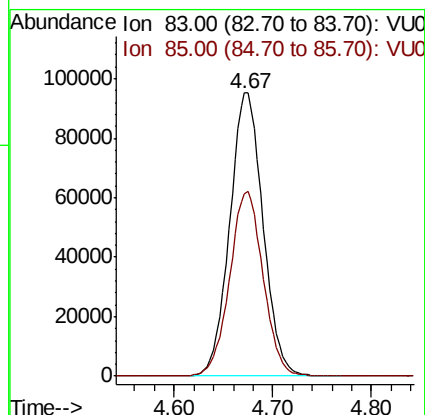
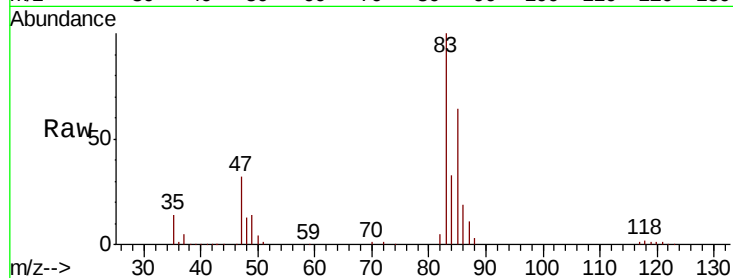




#25
Chloroform
Concen: 103.150 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

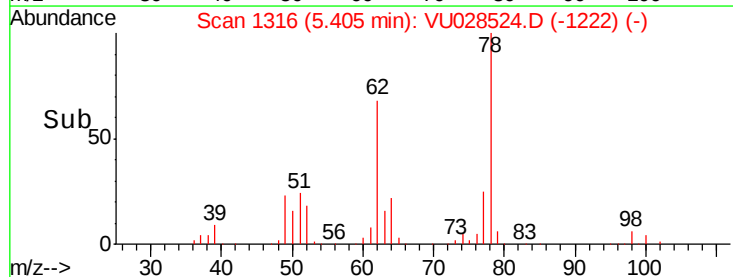
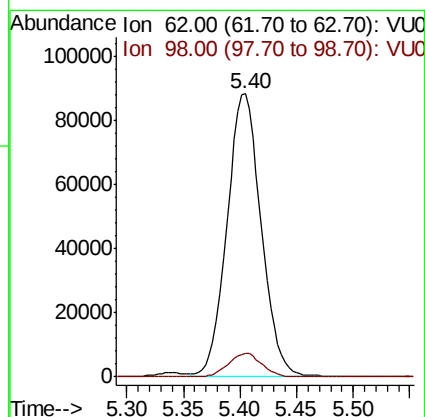
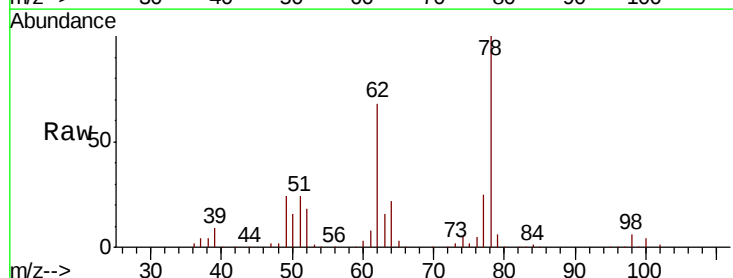
Instrument :
MSVOA_U
ClientSampled :
VSTD10057

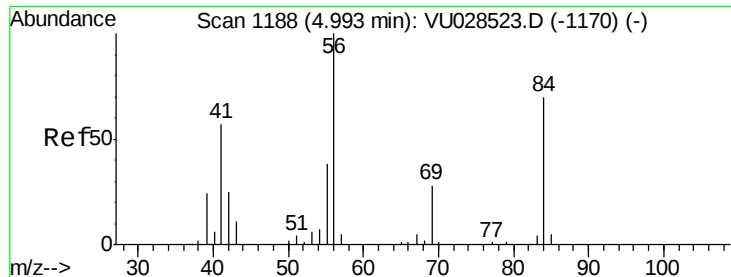
Tgt Ion: 83 Resp: 224161
Ion Ratio Lower Upper
83 100
85 64.5 46.0 85.4



#27
1,2-Dichloroethane
Concen: 102.846 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Tgt Ion: 62 Resp: 185091
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1

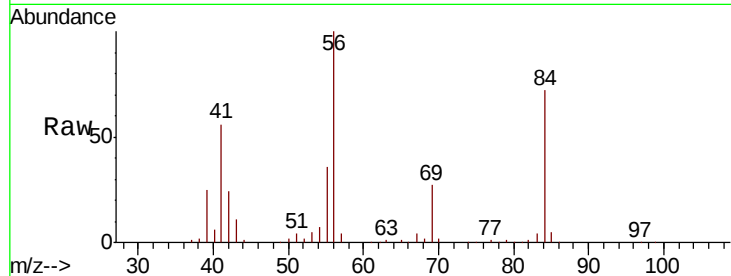




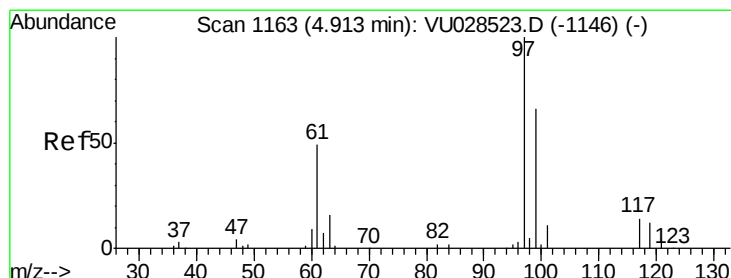
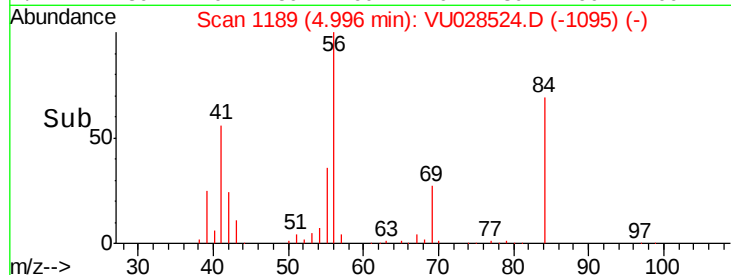
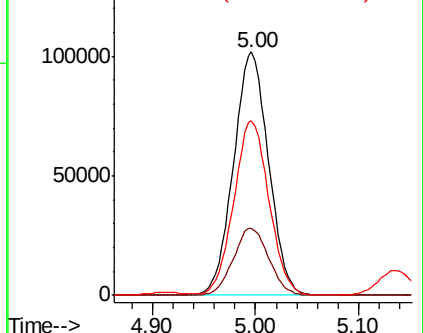
#29
Cyclohexane
Concen: 100.007 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

Tgt Ion: 56 Resp: 240336
Ion Ratio Lower Upper
56 100
69 27.9 22.2 33.2
84 72.3 57.5 86.3

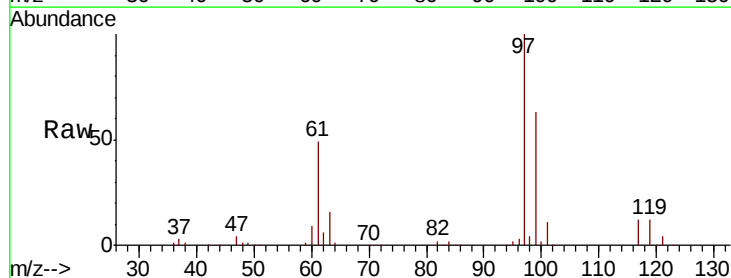


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

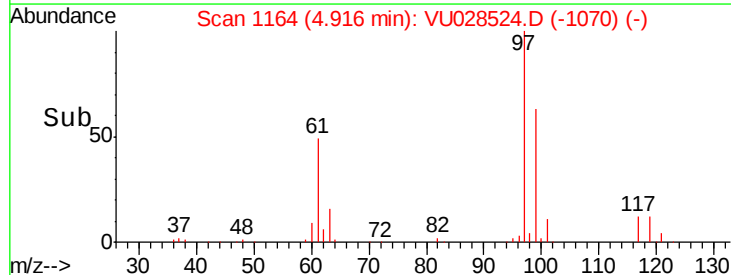
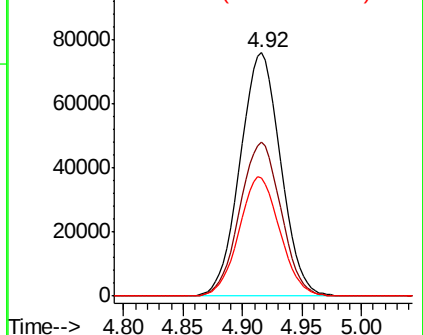


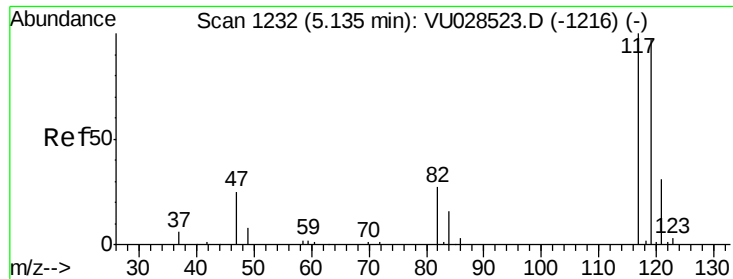
#30
1,1,1-Trichloroethane
Concen: 102.216 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Tgt Ion: 97 Resp: 179837
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 49.1 38.7 58.1



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 103.632 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

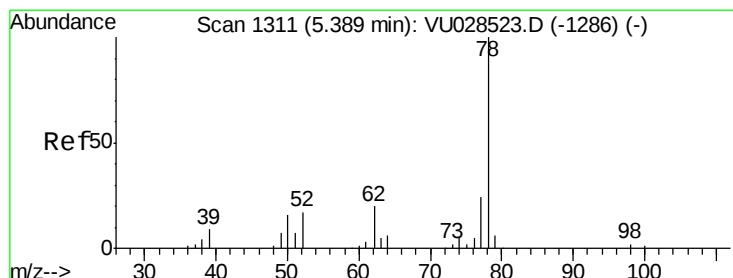
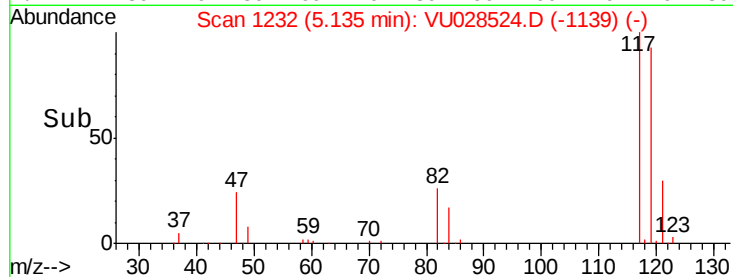
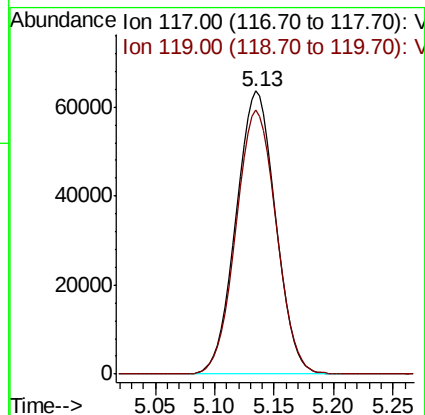
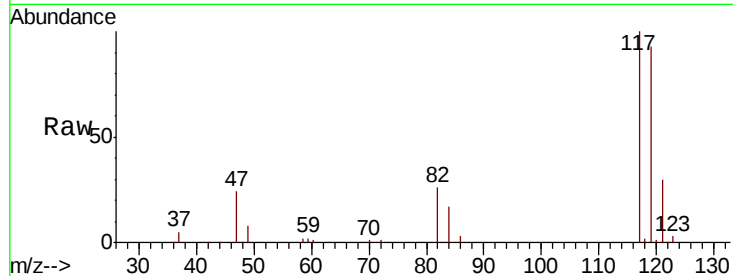
VSTD10057

Tgt Ion:117 Resp: 146650

Ion Ratio Lower Upper

117 100

119 95.0 77.4 116.2



#33

Benzene

Concen: 101.646 ug/L

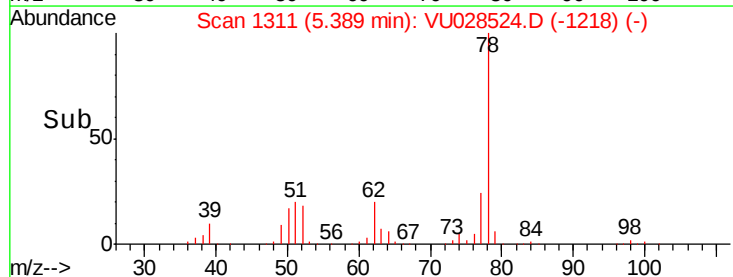
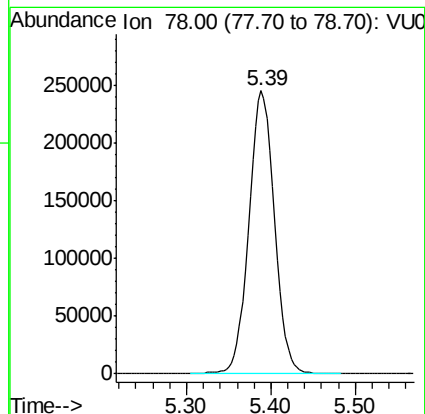
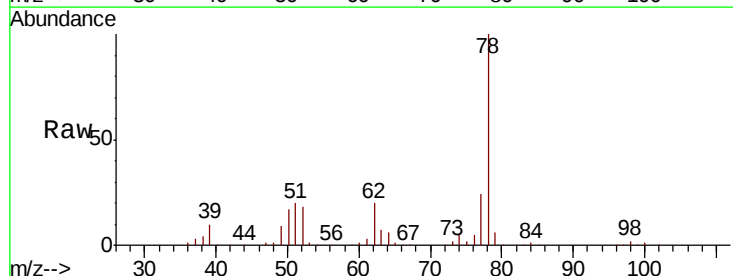
RT: 5.39 min Scan# 1311

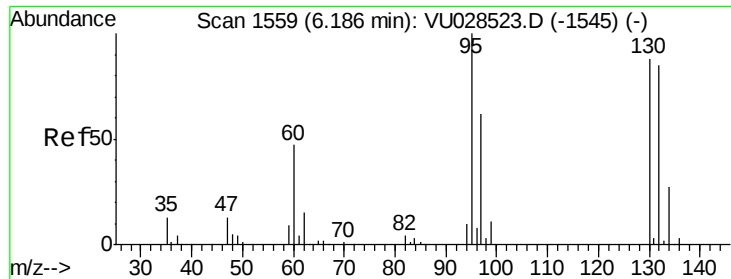
Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Tgt Ion: 78 Resp: 519109

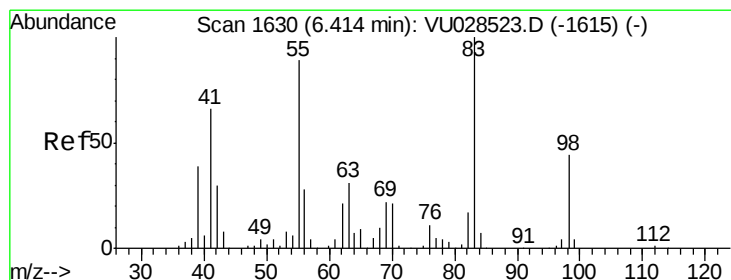
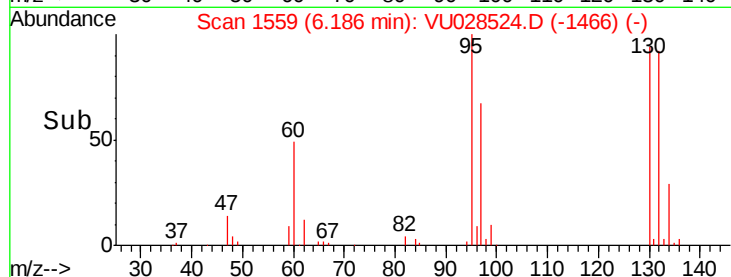
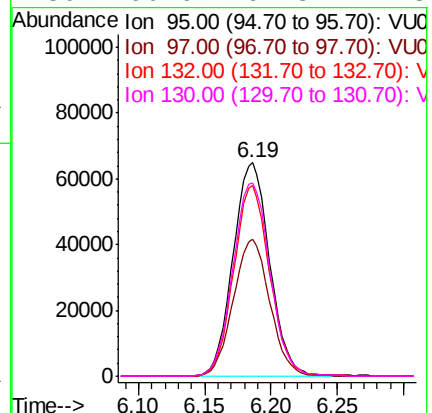
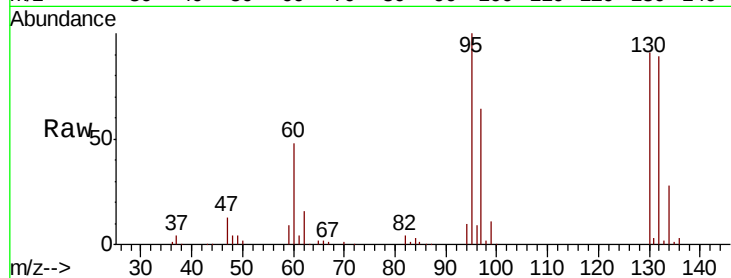




#34
 Trichloroethene
 Concen: 101.474 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

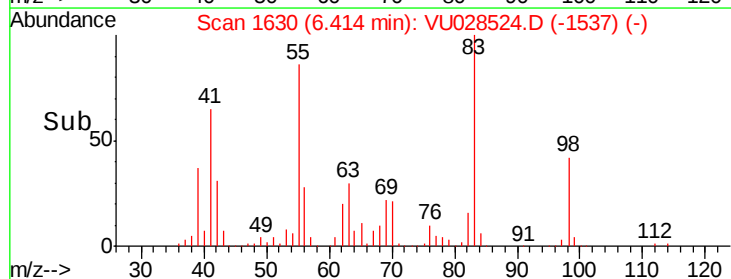
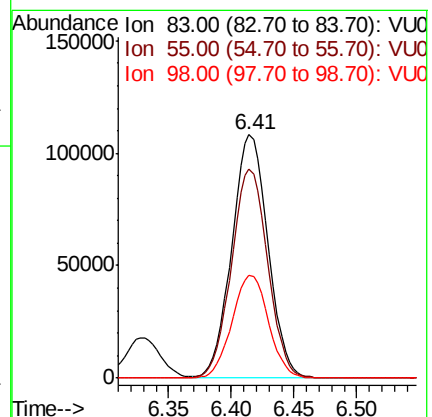
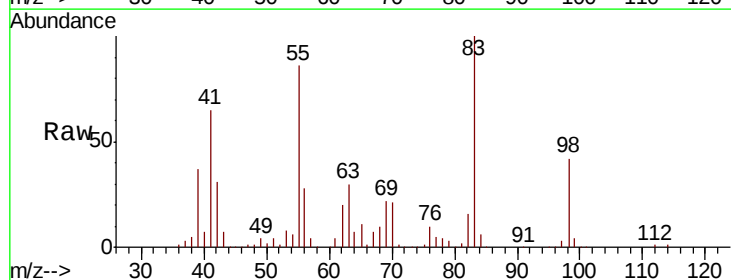
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

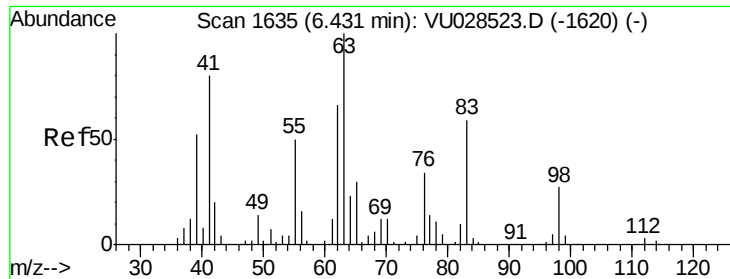
Tgt Ion: 95 Resp: 124599
 Ion Ratio Lower Upper
 95 100
 97 64.2 43.5 80.9
 132 89.1 59.6 110.6
 130 90.6 61.8 114.8



#35
 Methylcyclohexane
 Concen: 101.882 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Tgt Ion: 83 Resp: 216371
 Ion Ratio Lower Upper
 83 100
 55 86.4 70.1 105.1
 98 42.8 34.4 51.6

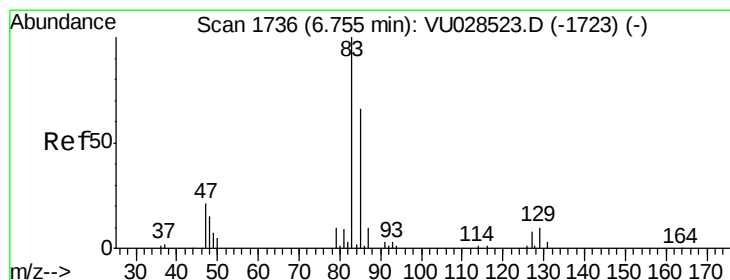
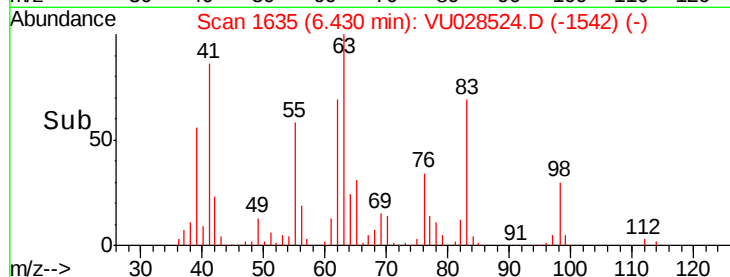
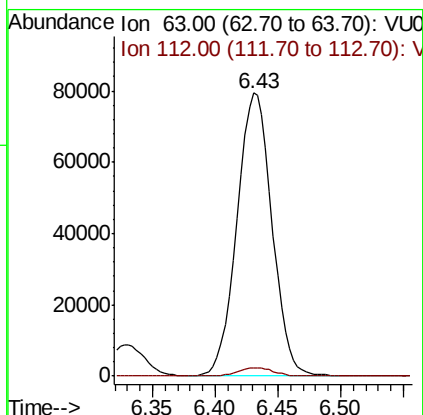
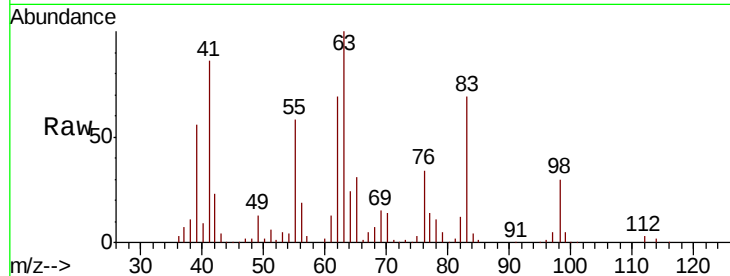




#37
 1,2-Dichloropropane
 Concen: 102.050 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

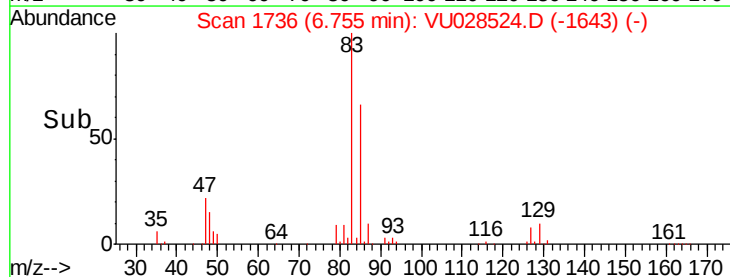
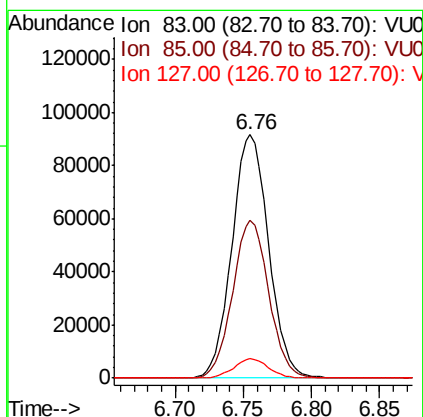
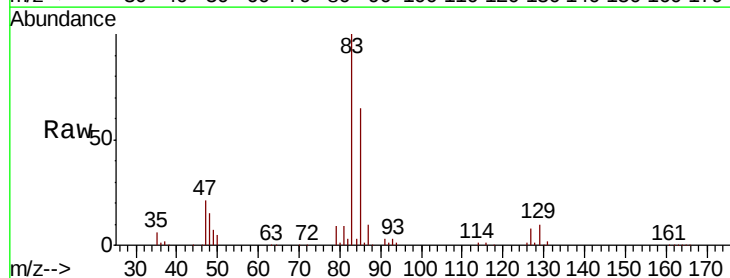
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

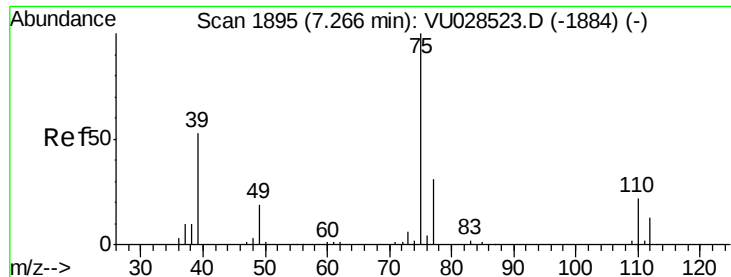
Tgt Ion: 63 Resp: 154482
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.4 3.6



#38
 Bromodichloromethane
 Concen: 102.280 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Tgt Ion: 83 Resp: 171426
 Ion Ratio Lower Upper
 83 100
 85 64.9 46.5 86.3
 127 7.9 6.3 9.5

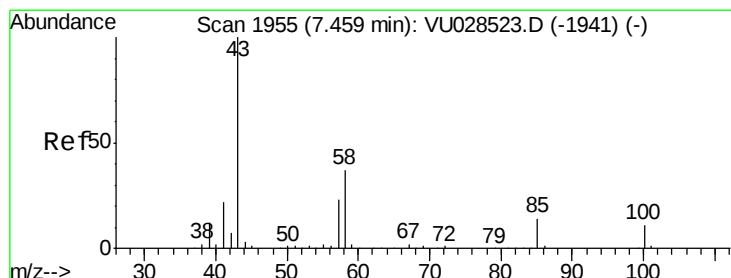
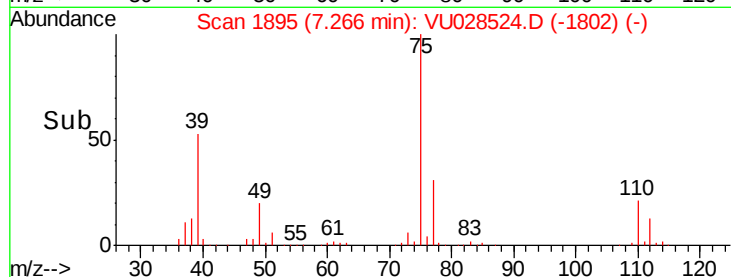
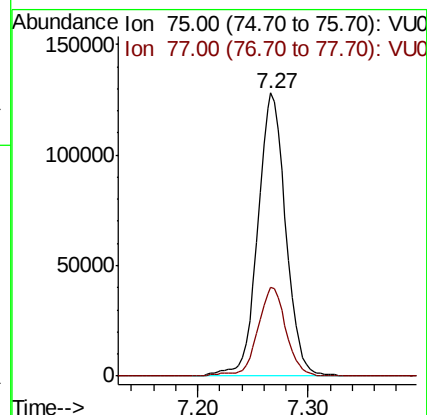
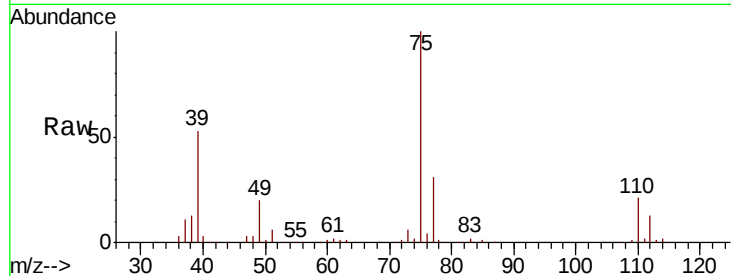




#39
 cis-1,3-Dichloropropene
 Concen: 104.445 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

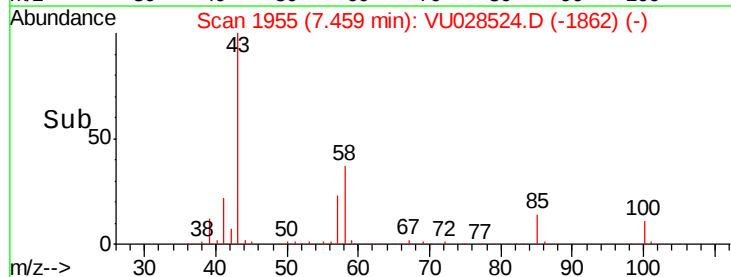
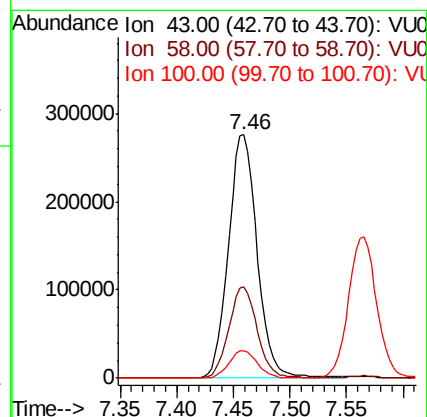
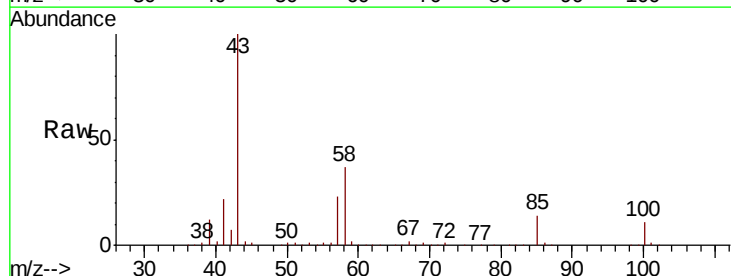
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

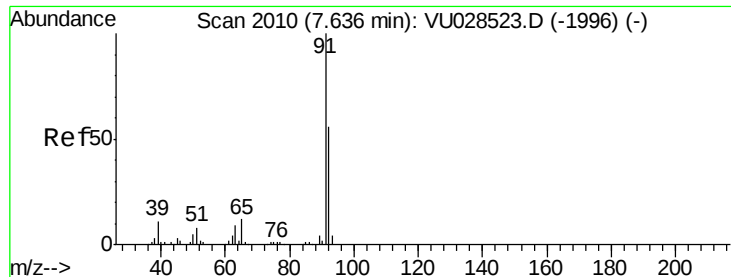
Tgt Ion: 75 Resp: 224684
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 205.549 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Tgt Ion: 43 Resp: 488163
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.6 44.4
 100 11.2 9.0 13.4





#42

Toluene

Concen: 103.257 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

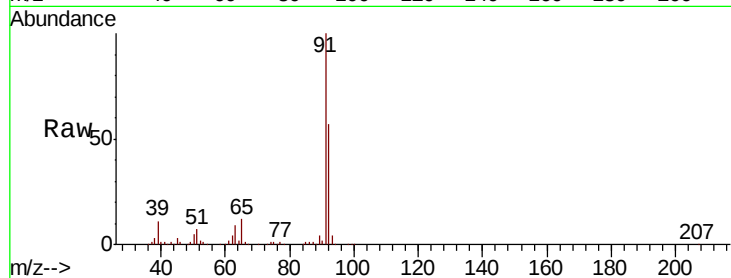
VSTD10057

Tgt Ion: 91 Resp: 535557

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VU028523.D (-1996) (-)

Ion 92.00 (91.70 to 92.70): VU028523.D (-1996) (-)

7.64

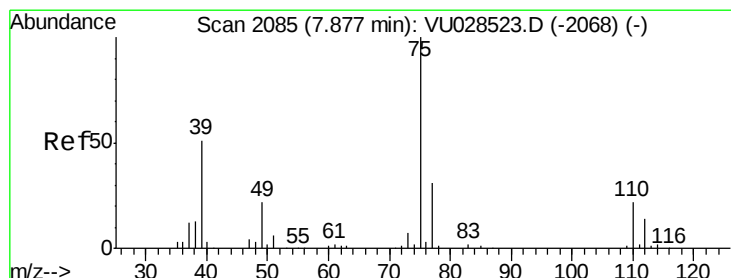
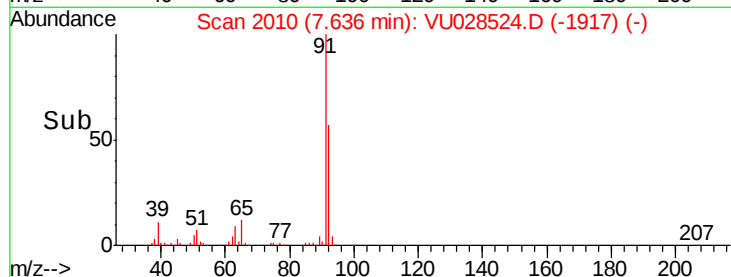
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 104.927 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028524.D

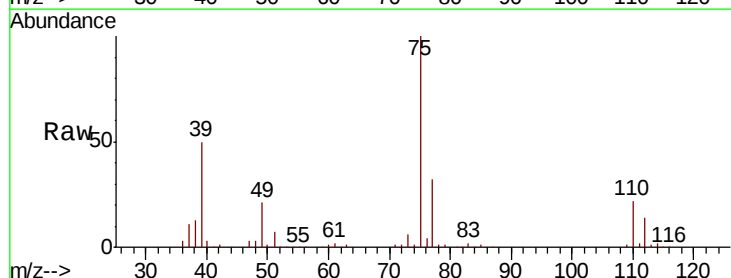
Acq: 07 Dec 2018 10:59

Tgt Ion: 75 Resp: 206831

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028523.D (-2068) (-)

Ion 77.00 (76.70 to 77.70): VU028523.D (-2068) (-)

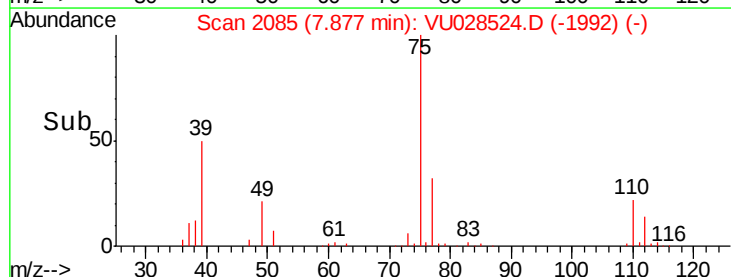
7.88

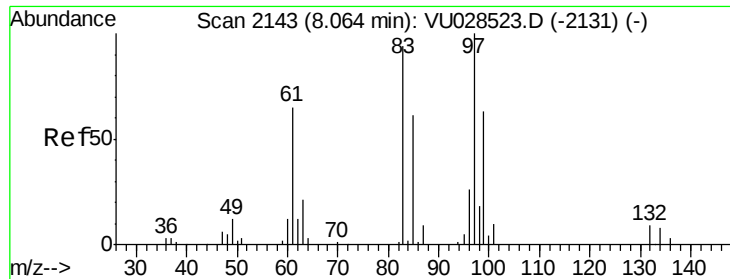
100000

50000

0

Time-->

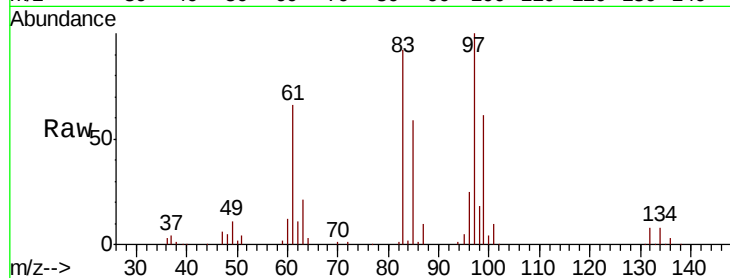




#45
1,1,2-Trichloroethane
Concen: 102.693 ug/L
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

Tgt Ion:	97	Resp:	121316
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.2	82.2
83	91.7	66.0	122.6
85	59.4	42.5	78.9



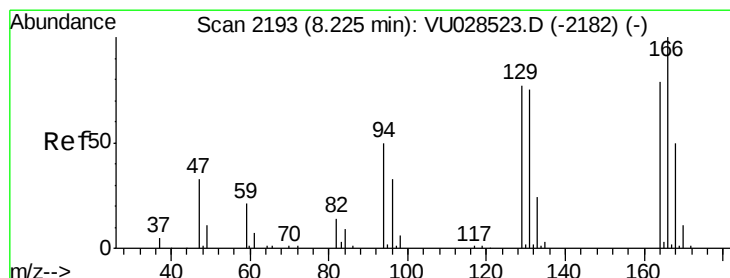
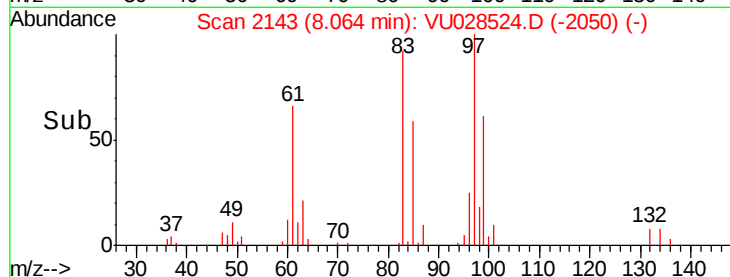
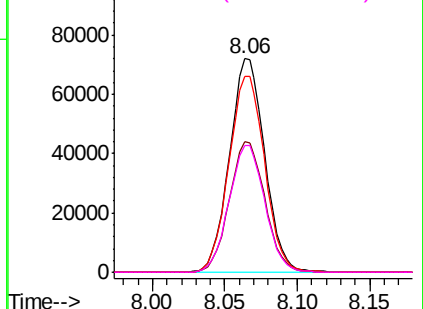
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

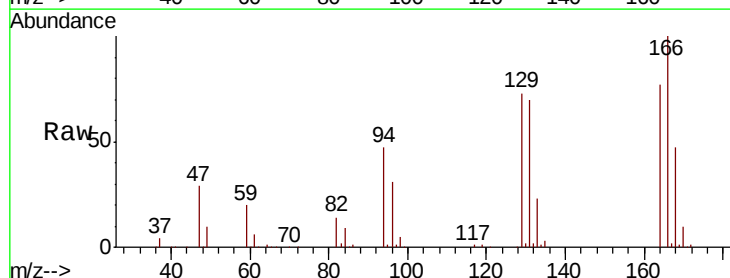
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 102.630 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Tgt Ion:	164	Resp:	88302
Ion	Ratio	Lower	Upper
164	100		
129	95.4	68.2	126.6
131	91.1	66.1	122.7
166	130.2	88.3	163.9



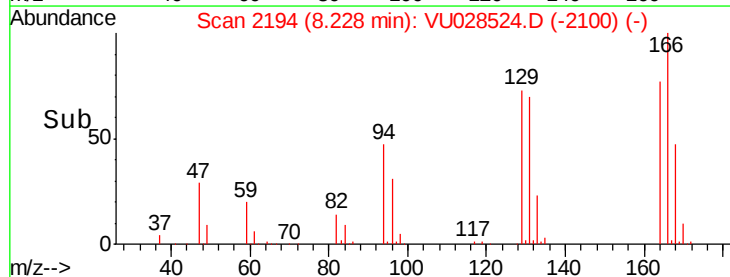
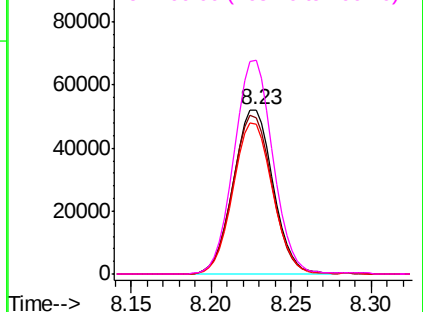
Abundance

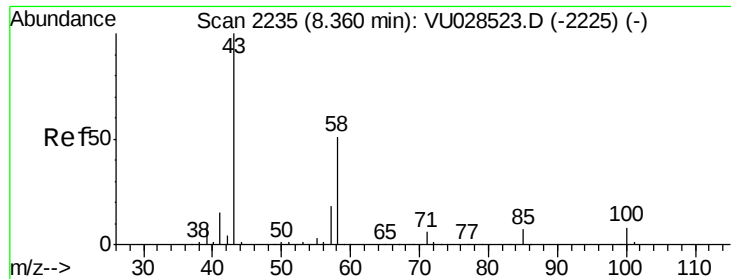
Ion 164.00 (163.70 to 164.70): V

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

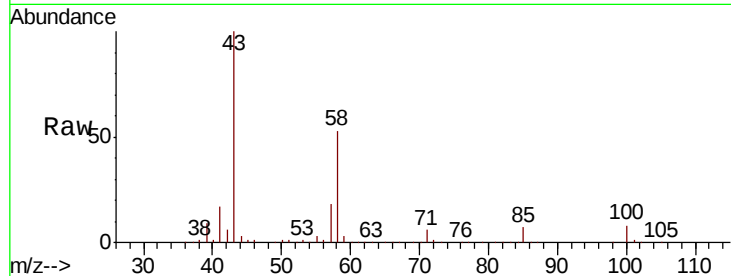




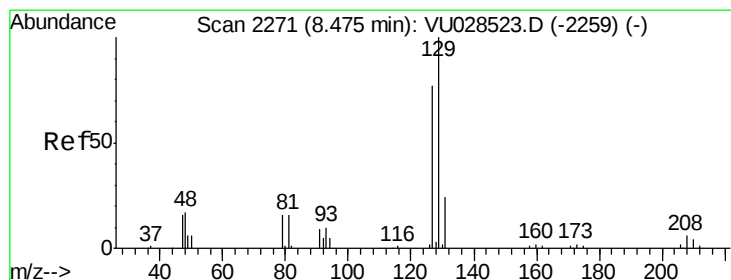
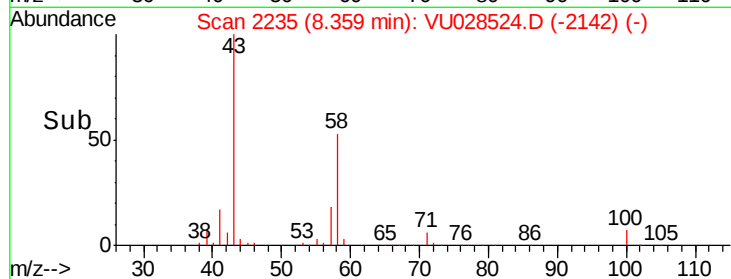
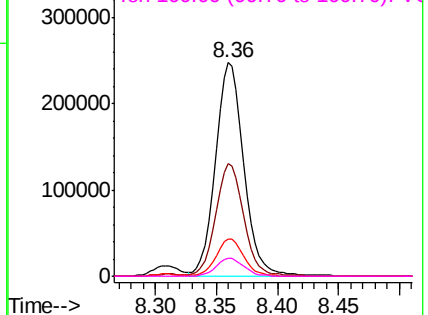
#48
2-Hexanone
Concen: 201.562 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

Tgt Ion:	43	Resp:	401540
Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.6	62.4
57	17.5	13.8	20.6
100	8.4	7.0	10.4

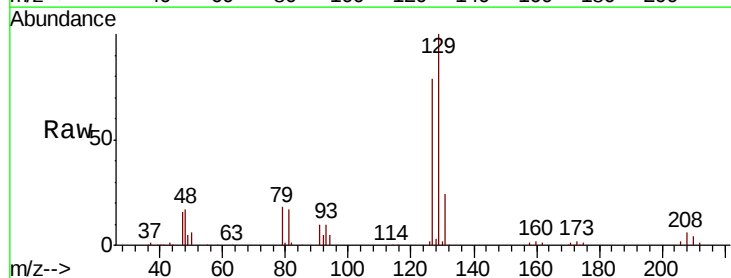


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

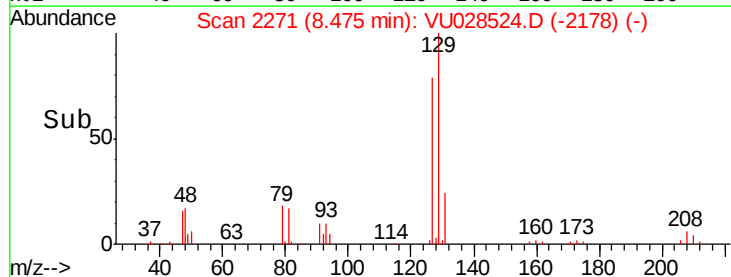
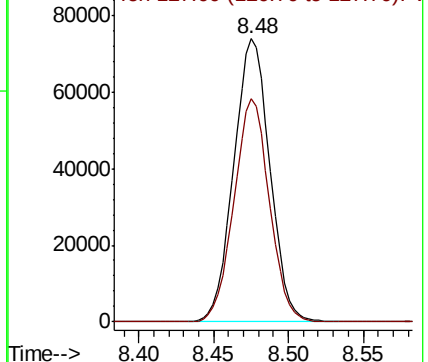


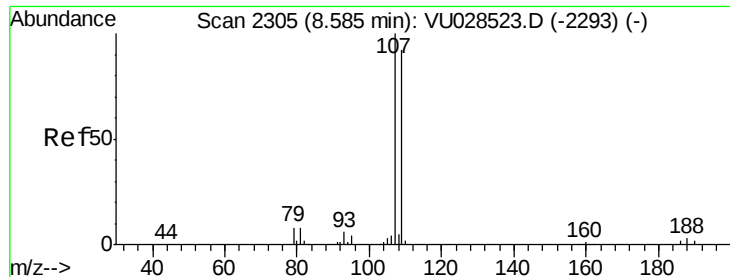
#49
Dibromochloromethane
Concen: 103.262 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Tgt Ion:	129	Resp:	124148
Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.0	100.2



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

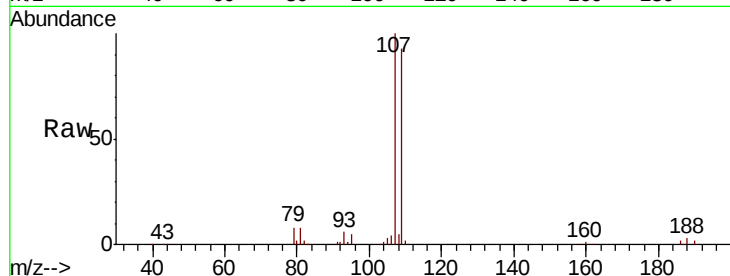




#50
1,2-Dibromoethane
Concen: 102.870 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	64.5	119.9
188	3.4	2.6	3.8

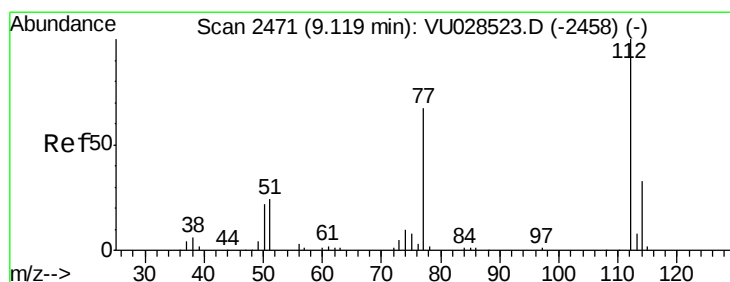
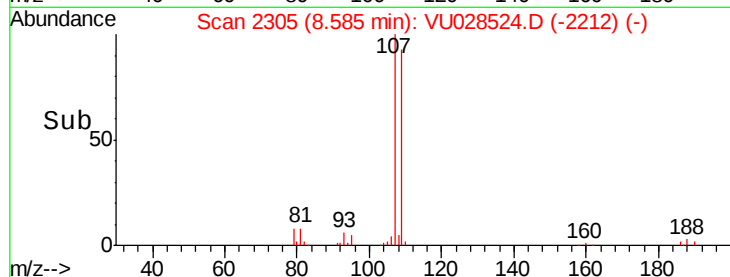
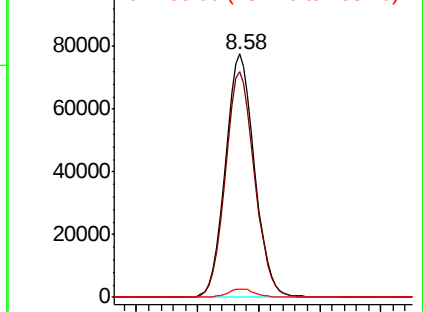


Abundance

Ion 107.00 (106.70 to 107.70): V

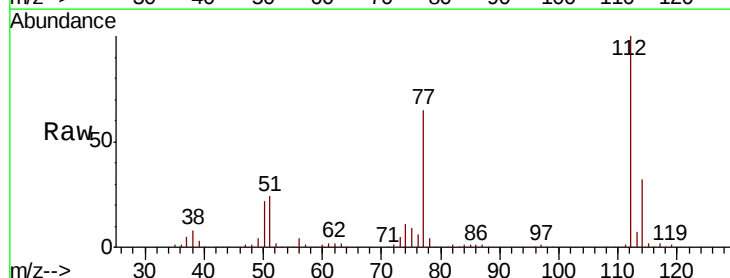
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 102.459 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028524.D
Acq: 07 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.0	42.6
77	64.9	53.9	80.9

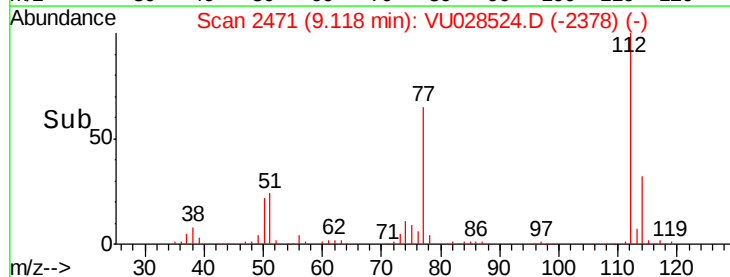
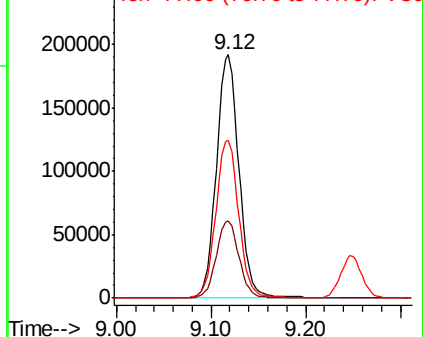


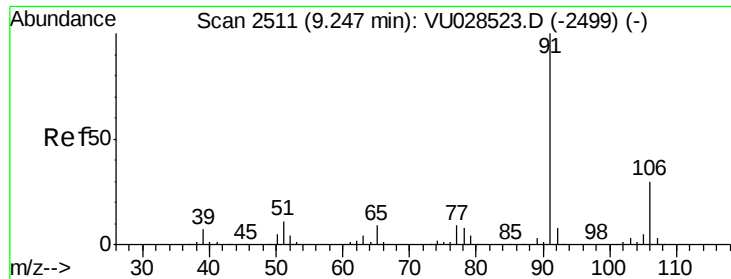
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 103.403 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

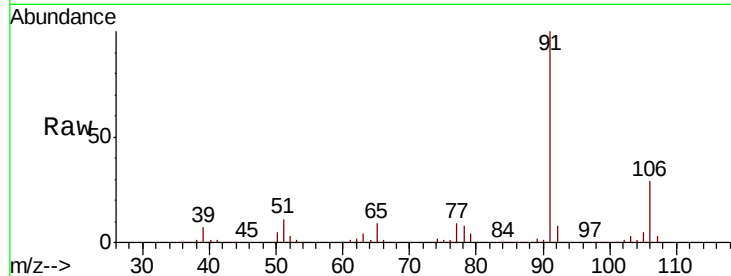
VSTD10057

Tgt Ion: 91 Resp: 592597

Ion Ratio Lower Upper

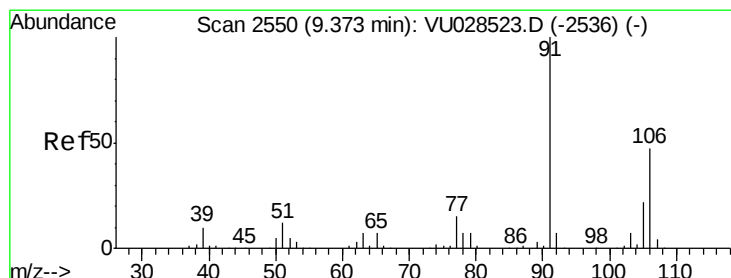
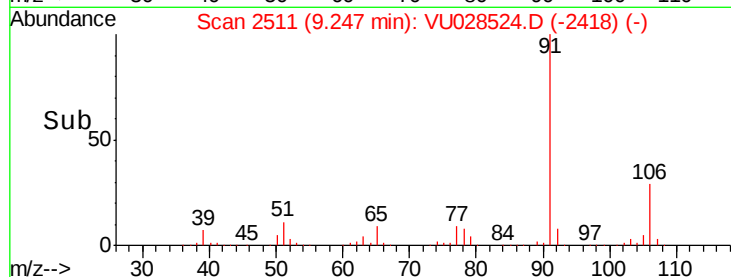
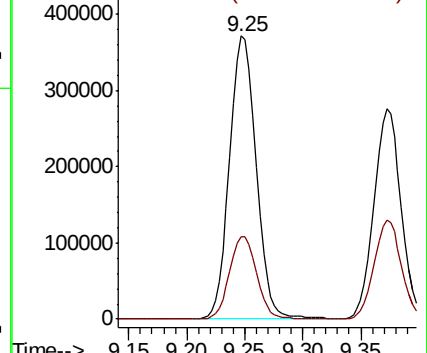
91 100

106 29.2 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 104.512 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028524.D

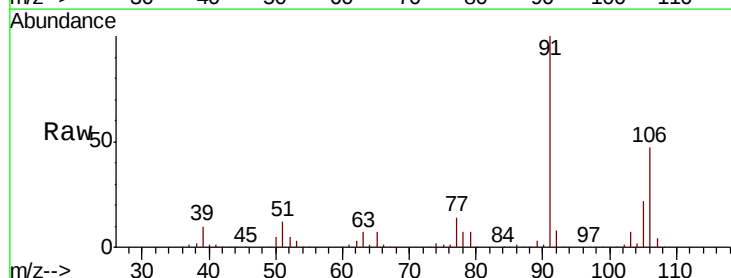
Acq: 07 Dec 2018 10:59

Tgt Ion: 106 Resp: 214192

Ion Ratio Lower Upper

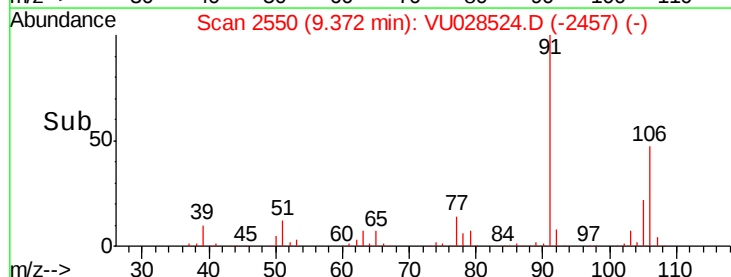
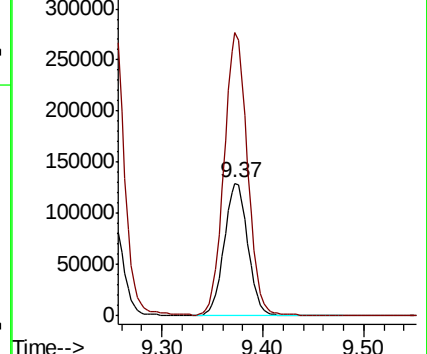
106 100

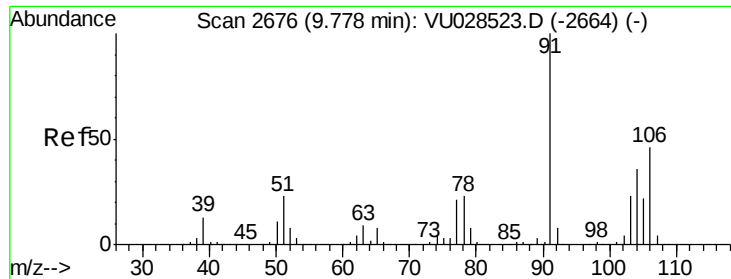
91 213.0 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#54

o-xylene

Concen: 103.748 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

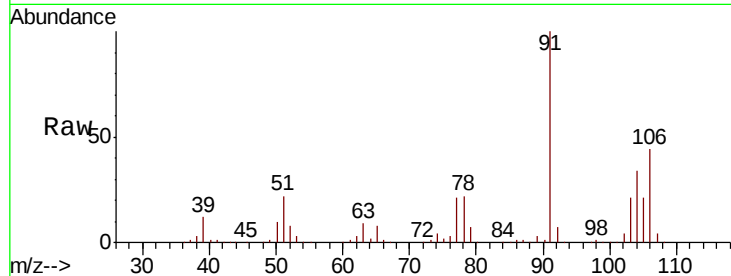
VSTD10057

Tgt Ion:106 Resp: 210209

Ion Ratio Lower Upper

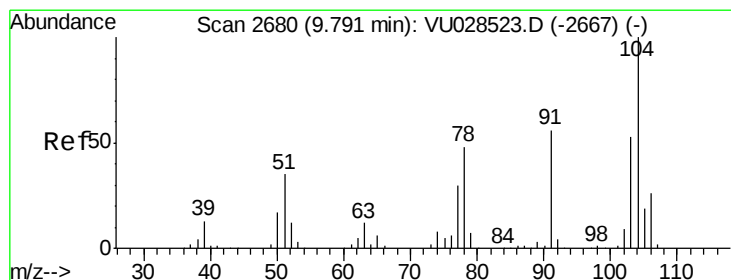
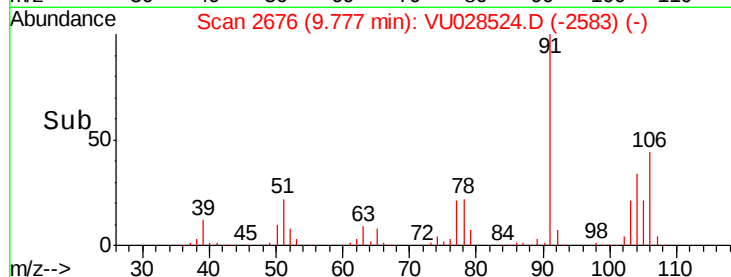
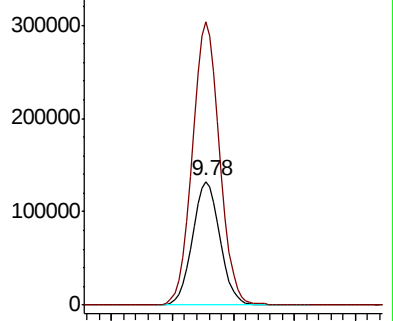
106 100

91 229.2 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 105.906 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VU028524.D

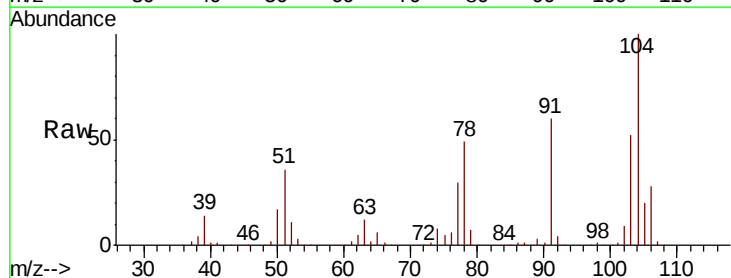
Acq: 07 Dec 2018 10:59

Tgt Ion:104 Resp: 367833

Ion Ratio Lower Upper

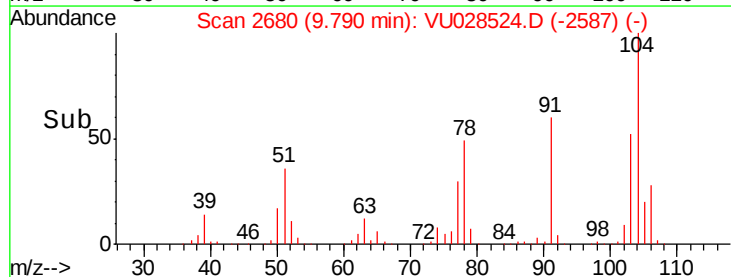
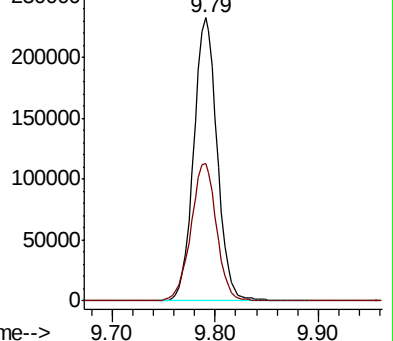
104 100

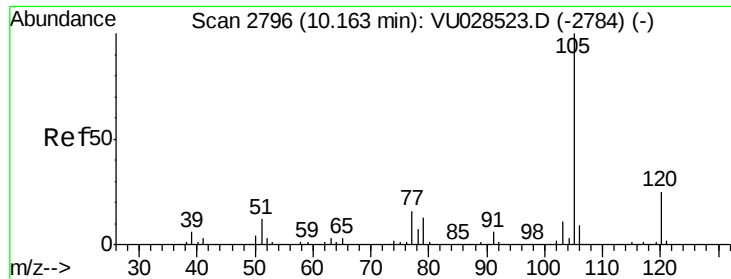
78 48.6 34.1 63.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 102.854 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

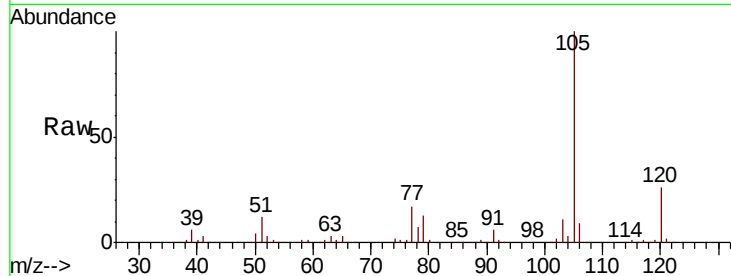
Tgt Ion: 105 Resp: 550380

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.2

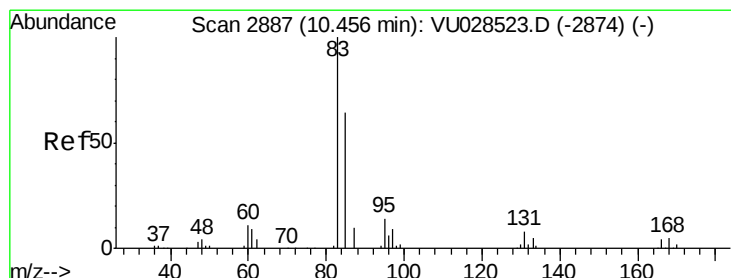
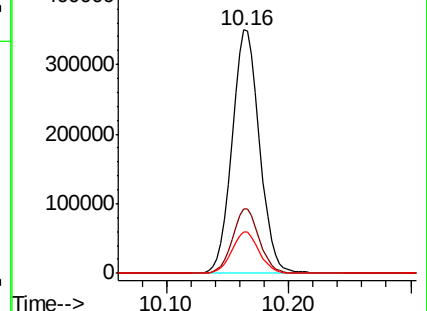
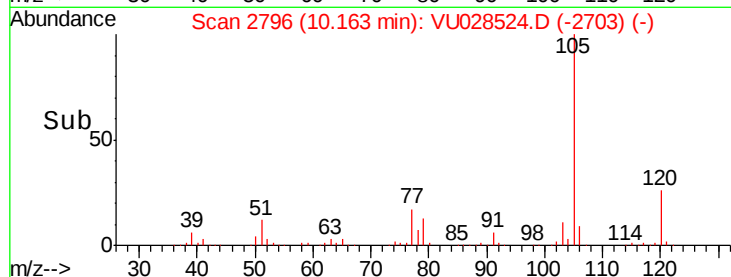
77 16.9 13.1 19.7



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: 103.469 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

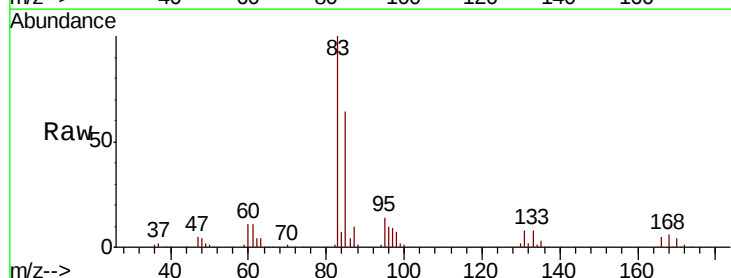
Tgt Ion: 83 Resp: 226462

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

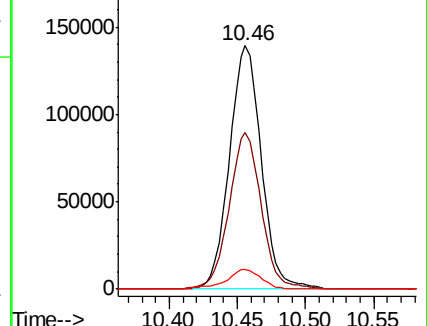
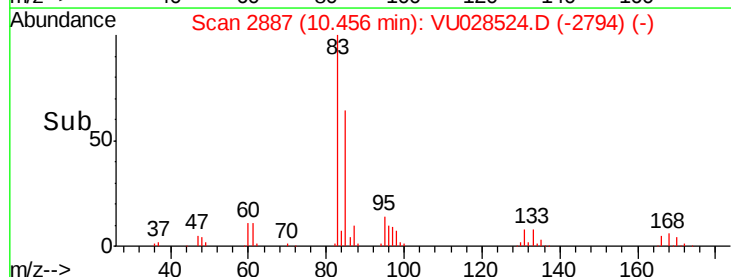
131 8.2 6.4 9.6

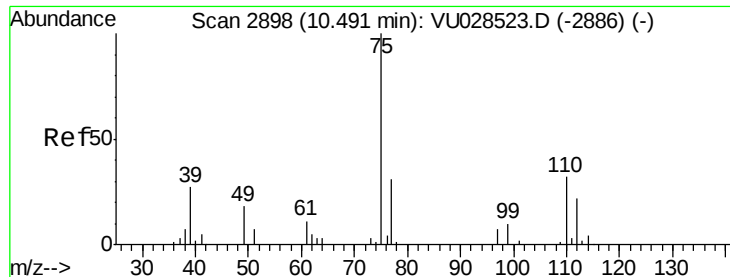


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V

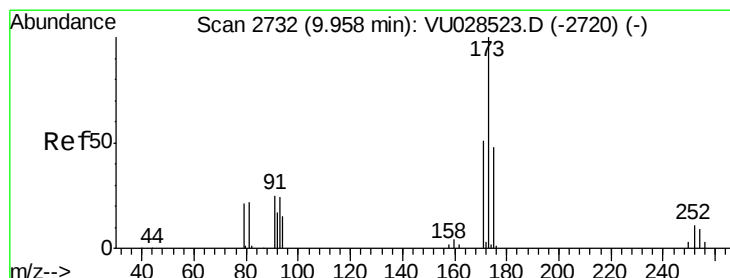
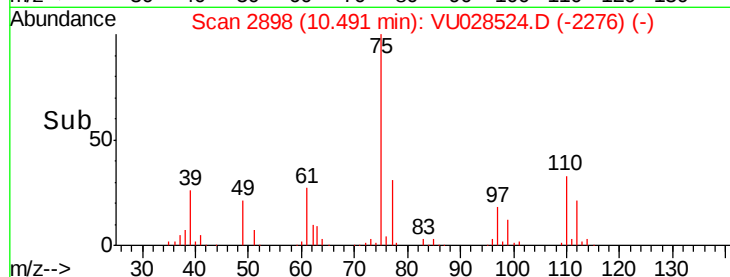
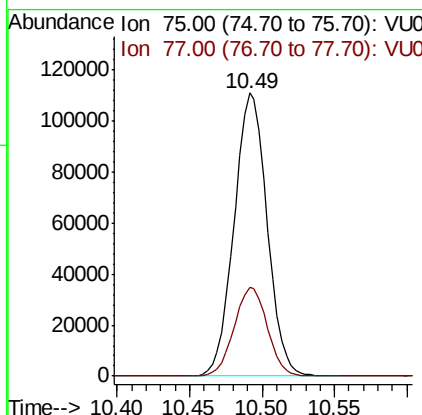
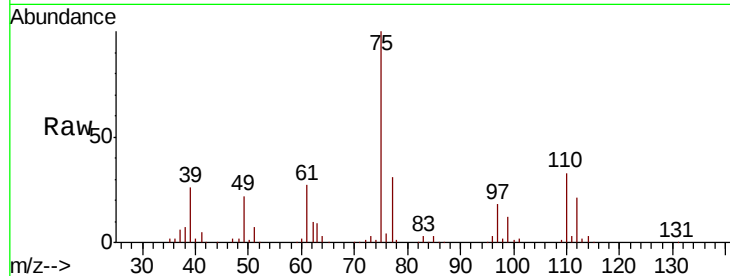




#59
 1,2,3-Trichloropropane
 Concen: 102.049 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

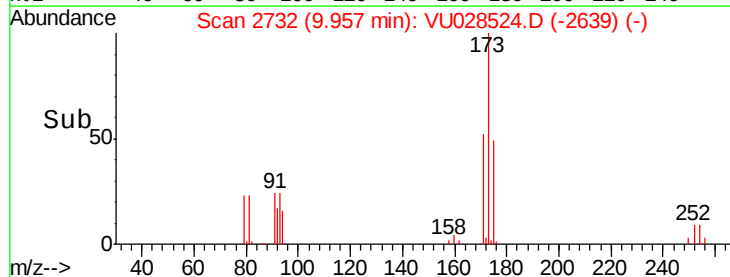
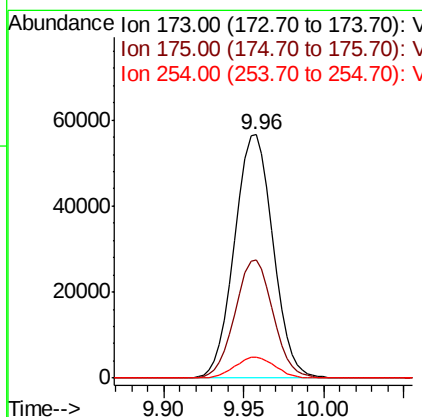
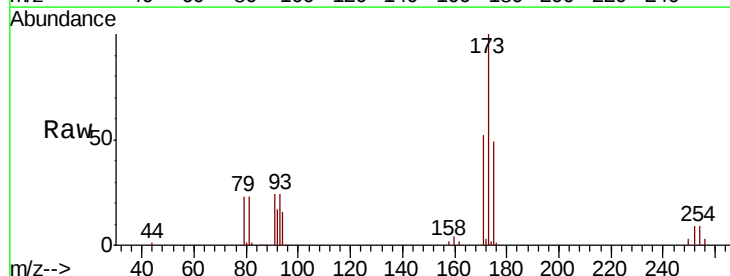
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

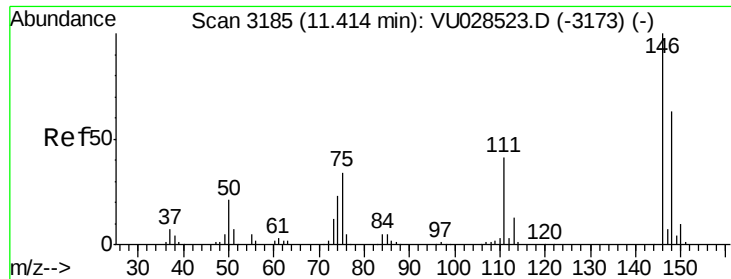
Tgt Ion: 75 Resp: 175672
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2



#61
 Bromoform
 Concen: 102.762 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Tgt Ion: 173 Resp: 93043
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.7 58.1
 254 8.9 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 102.261 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

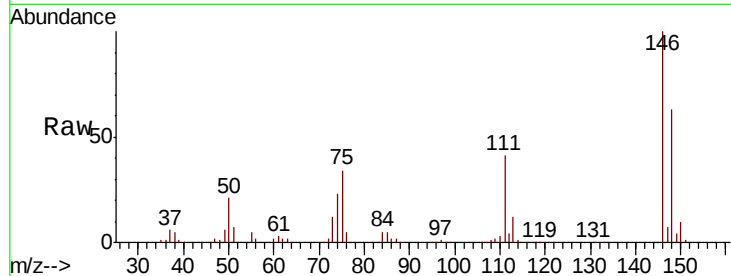
Tgt Ion:146 Resp: 245718

Ion Ratio Lower Upper

146 100

111 41.0 28.5 52.9

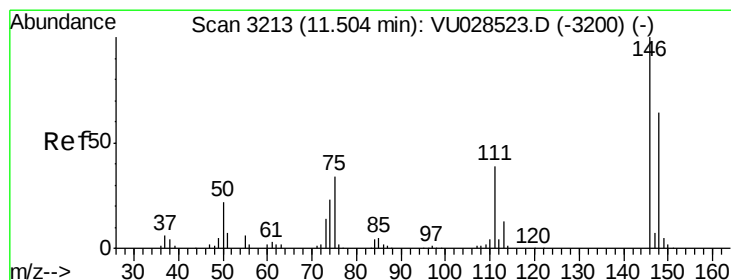
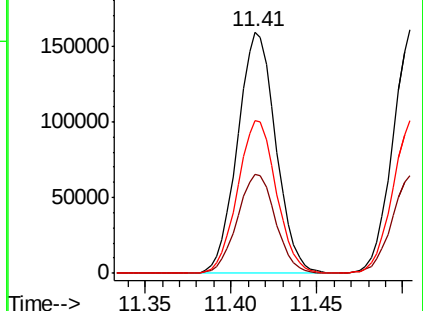
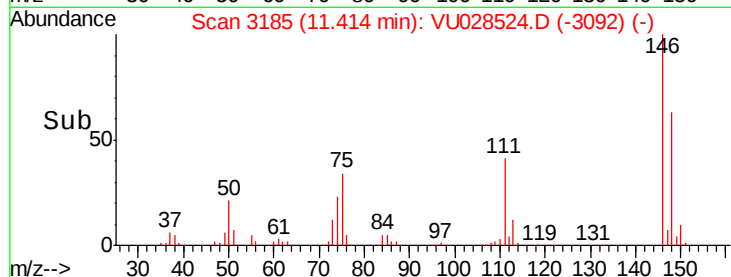
148 63.3 43.9 81.5



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: 102.296 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

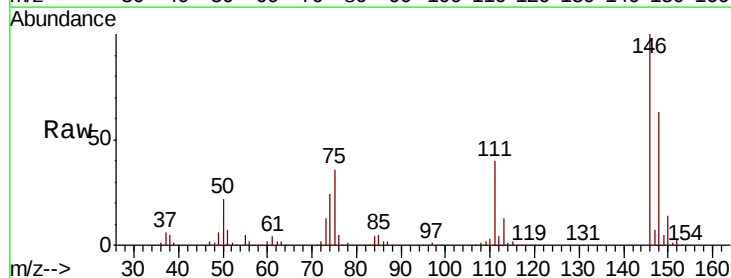
Tgt Ion:146 Resp: 247774

Ion Ratio Lower Upper

146 100

111 40.1 27.6 51.4

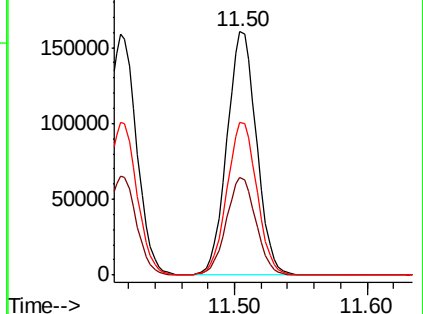
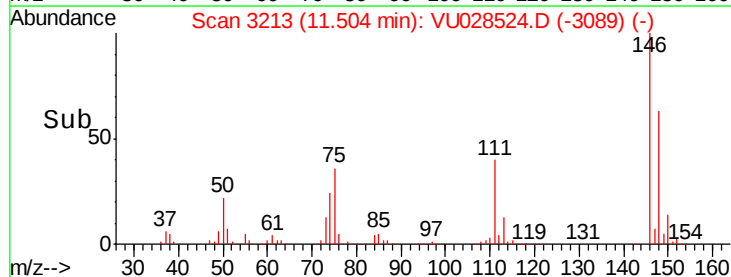
148 62.5 45.1 83.9

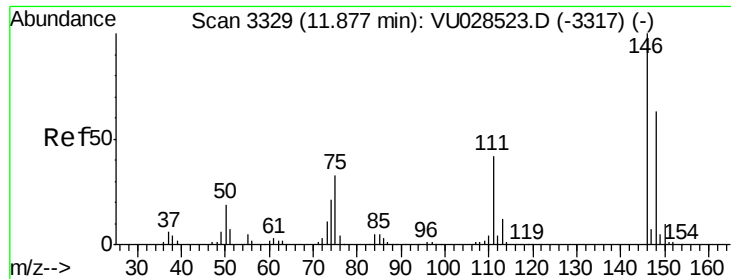


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

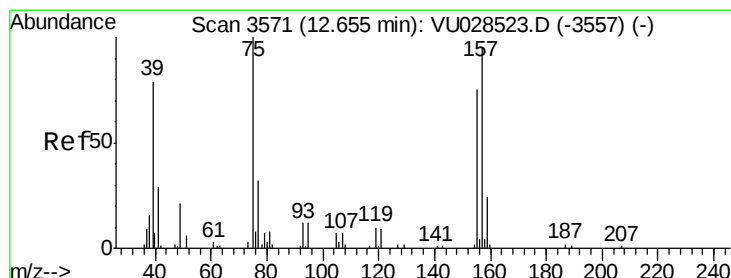
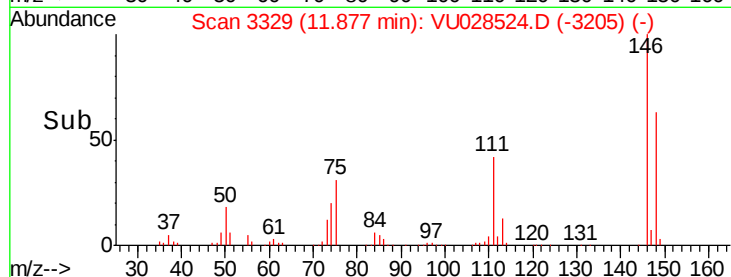
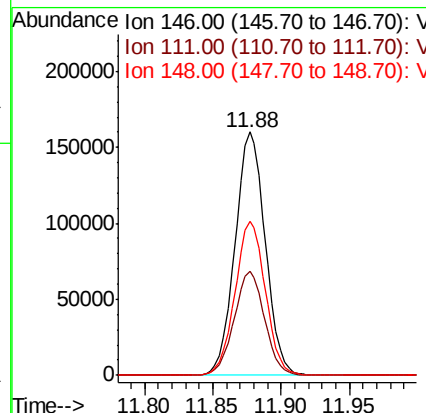
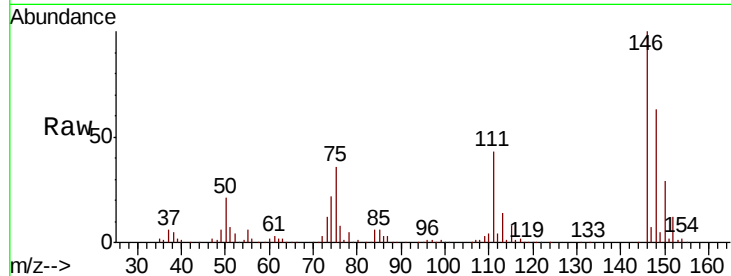




#65
 1,2-Dichlorobenzene
 Concen: 102.719 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

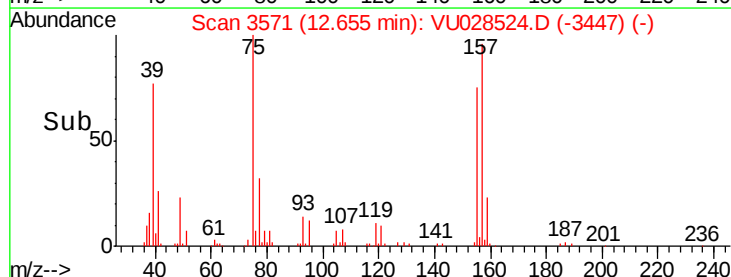
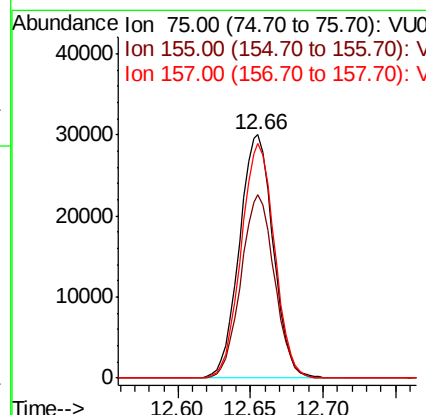
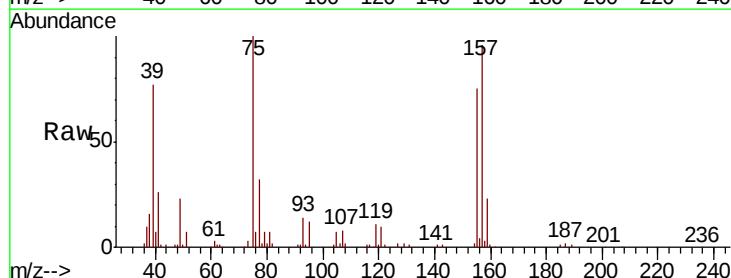
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

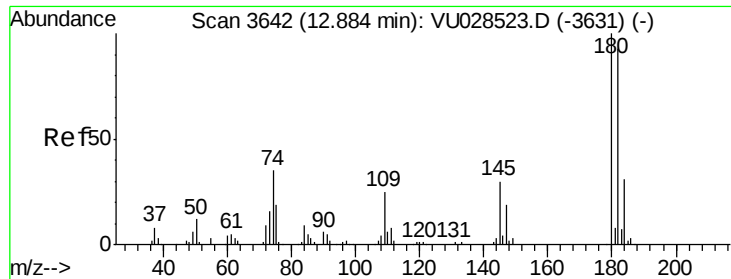
Tgt Ion: 146 Resp: 245480
 Ion Ratio Lower Upper
 146 100
 111 42.6 33.4 50.2
 148 63.3 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 102.713 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Tgt Ion: 75 Resp: 48642
 Ion Ratio Lower Upper
 75 100
 155 75.4 59.9 89.9
 157 96.2 75.8 113.8

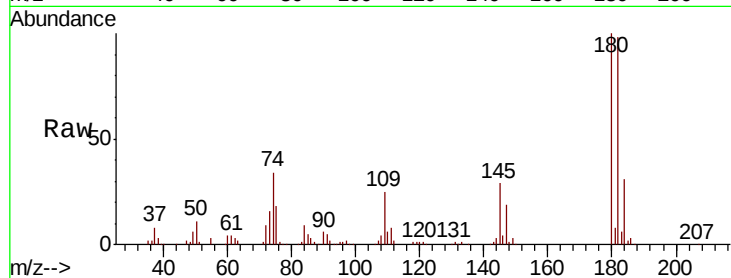




#67
 1,3,5-Trichlorobenzene
 Concen: 104.677 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.0	112.6
184	30.5	23.9	35.9
145	28.9	23.8	35.8



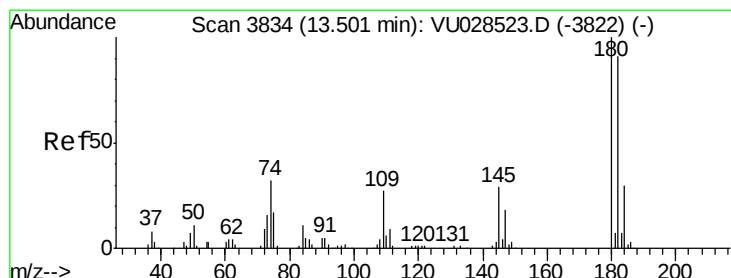
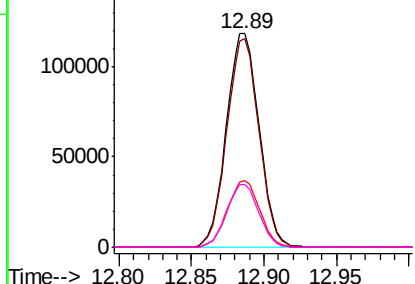
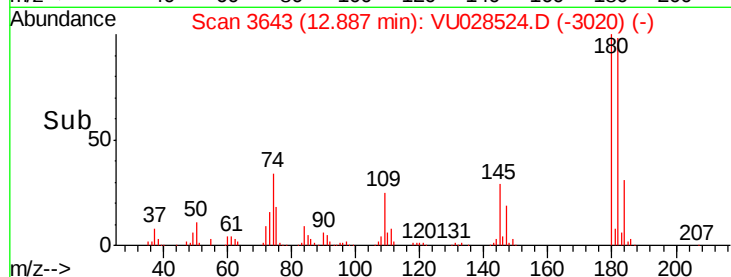
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

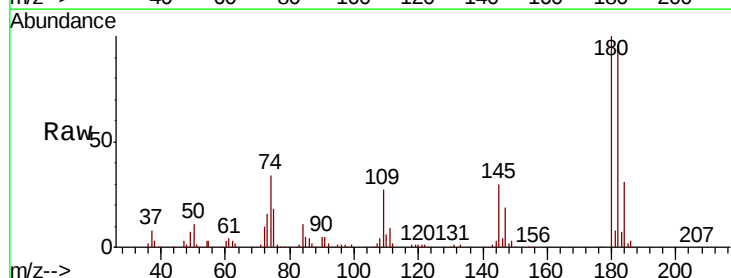
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 103.475 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028524.D
 Acq: 07 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.8	112.2
145	30.2	23.0	34.6

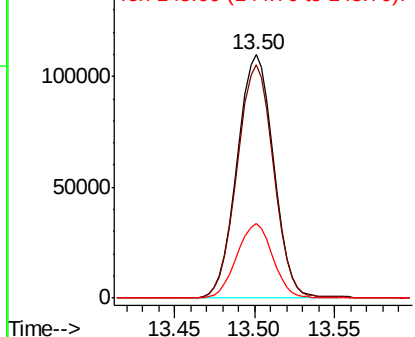
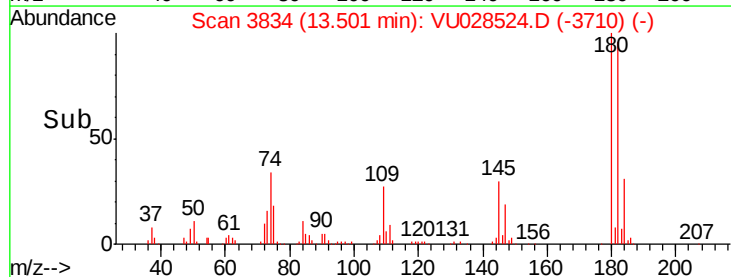


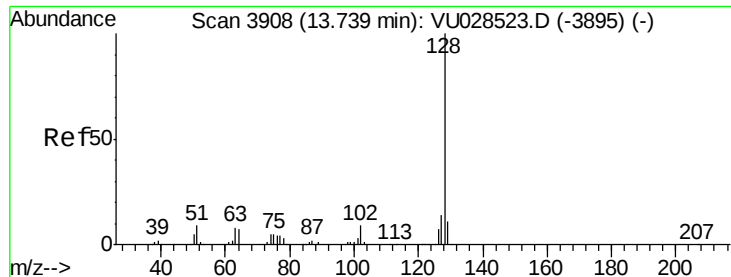
Abundance

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: 104.847 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

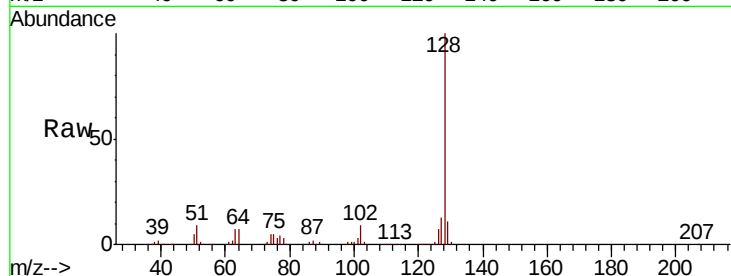
Tgt Ion:128 Resp: 596767

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

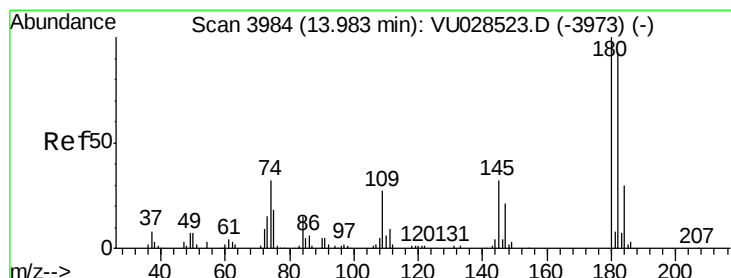
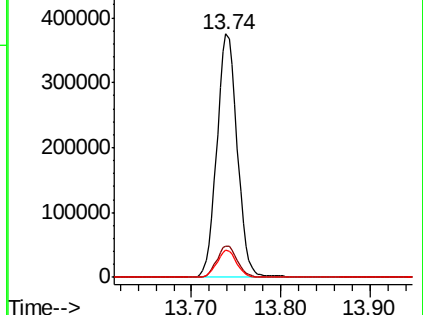
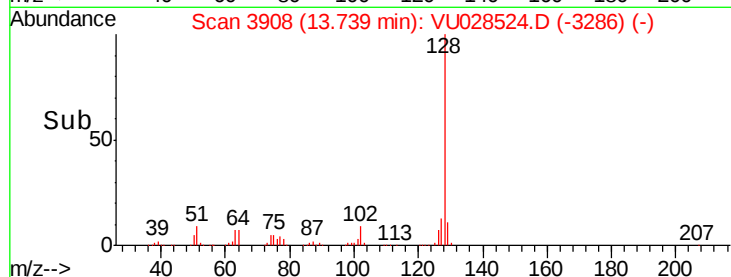
129 10.8 8.6 13.0



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: 104.493 ug/L

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU028524.D

Acq: 07 Dec 2018 10:59

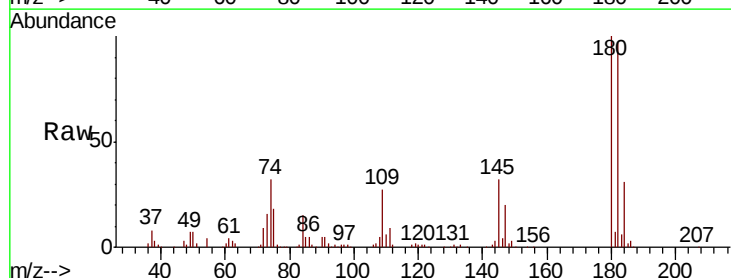
Tgt Ion:180 Resp: 173404

Ion Ratio Lower Upper

180 100

182 96.7 75.2 112.8

145 31.6 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

