

Data File : VU031524.D
Acq On : 26 Apr 2019 11:48
Operator : JC/SP
Sample : VSTD20053
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

Quant Time: Apr 26 23:34:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:29:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	777012	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	723696	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	343748	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	1218247	192.20	ug/L	0.00
7) Chloroethane-d5	1.68	69	948543	196.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	2454734	217.09	ug/L	0.00
21) 2-Butanone-d5	4.19	46	2526865	507.27	ug/L	0.00
24) Chloroform-d	4.64	84	2314882	222.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	1485205	233.37	ug/L	0.00
32) Benzene-d6	5.34	84	4542769	215.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	1594851	231.20	ug/L	0.00
41) Toluene-d8	7.56	98	4071482	216.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	743452	237.82	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1610001	481.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2124678	228.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	1403007	198.57	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1532930	255.187	ug/L	99
3) Chloromethane	1.32	50	1834853	241.273	ug/L	100
5) Vinyl chloride	1.40	62	1740388	236.453	ug/L	99
6) Bromomethane	1.63	94	909391	218.278	ug/L	99
8) Chloroethane	1.70	64	926293	222.865	ug/L	98
9) Trichlorofluoromethane	1.88	101	1975084	227.692	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1108469	222.414	ug/L	100
12) 1,1-Dichloroethene	2.28	96	1097299	223.923	ug/L	96
13) Acetone	2.34	43	2071804	490.856	ug/L	98
14) Carbon disulfide	2.47	76	3607523	238.536	ug/L	99
15) Methyl Acetate	2.62	43	1840914	250.585	ug/L	98
16) Methylene chloride	2.70	84	1274857	225.910	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	1165116	230.393	ug/L	99
18) Methyl tert-butyl Ether	2.99	73	3994248	240.160	ug/L	99
19) 1,1-Dichloroethane	3.44	63	2467388	242.820	ug/L	100
22) 2-Butanone	4.27	43	2868689	544.554	ug/L	98
23) Bromochloromethane	4.54	128	610569	214.819	ug/L	93
25) Chloroform	4.67	83	2320289	238.419	ug/L	100
27) 1,2-Dichloroethane	5.40	62	1887726	254.177	ug/L	98
29) Cyclohexane	4.99	56	2405808	263.229	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	1933802	241.193	ug/L	99
31) Carbon tetrachloride	5.13	117	1674141	243.856	ug/L	99
33) Benzene	5.39	78	5242643	241.184	ug/L	100
34) Trichloroethene	6.18	95	1278866	225.381	ug/L	99
35) Methylcyclohexane	6.41	83	2078343	249.435	ug/L	99
37) 1,2-Dichloropropane	6.43	63	1460543	248.430	ug/L	99
38) Bromodichloromethane	6.75	83	1765496	246.187	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	2236797	264.391	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	4771143	532.492	ug/L	99
42) Toluene	7.63	91	5343533	239.064	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:29:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.87	75	1958597	263.108	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	1207008	228.656	ug/L	99
46) Tetrachloroethene	8.22	164	872388	221.809	ug/L	96
48) 2-Hexanone	8.36	43	3865732	545.723	ug/L	99
49) Dibromochloromethane	8.47	129	1294292	232.659	ug/L	100
50) 1,2-Dibromoethane	8.58	107	1277491	232.356	ug/L	99
51) Chlorobenzene	9.12	112	3084955	225.409	ug/L	99
52) Ethylbenzene	9.25	91	5769308	242.172	ug/L	100
53) m,p-Xylene	9.37	106	2067000	241.836	ug/L	98
54) o-xylene	9.77	106	2019206	234.097	ug/L	98
55) Styrene	9.79	104	3516420	242.170	ug/L	99
56) Isopropylbenzene	10.16	105	5313188	239.172	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	2152789	236.071	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	1695604	237.439	ug/L	99
61) Bromoform	9.95	173	941546	217.102	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	2212915	216.787	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	2253464	220.199	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	2255348	214.504	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	522083	254.938	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	1680519	224.719	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	1499957	249.594	ug/L	99
69) Naphthalene	13.74	128	5289280	253.645	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	1531235	234.423	ug/L	100

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

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Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

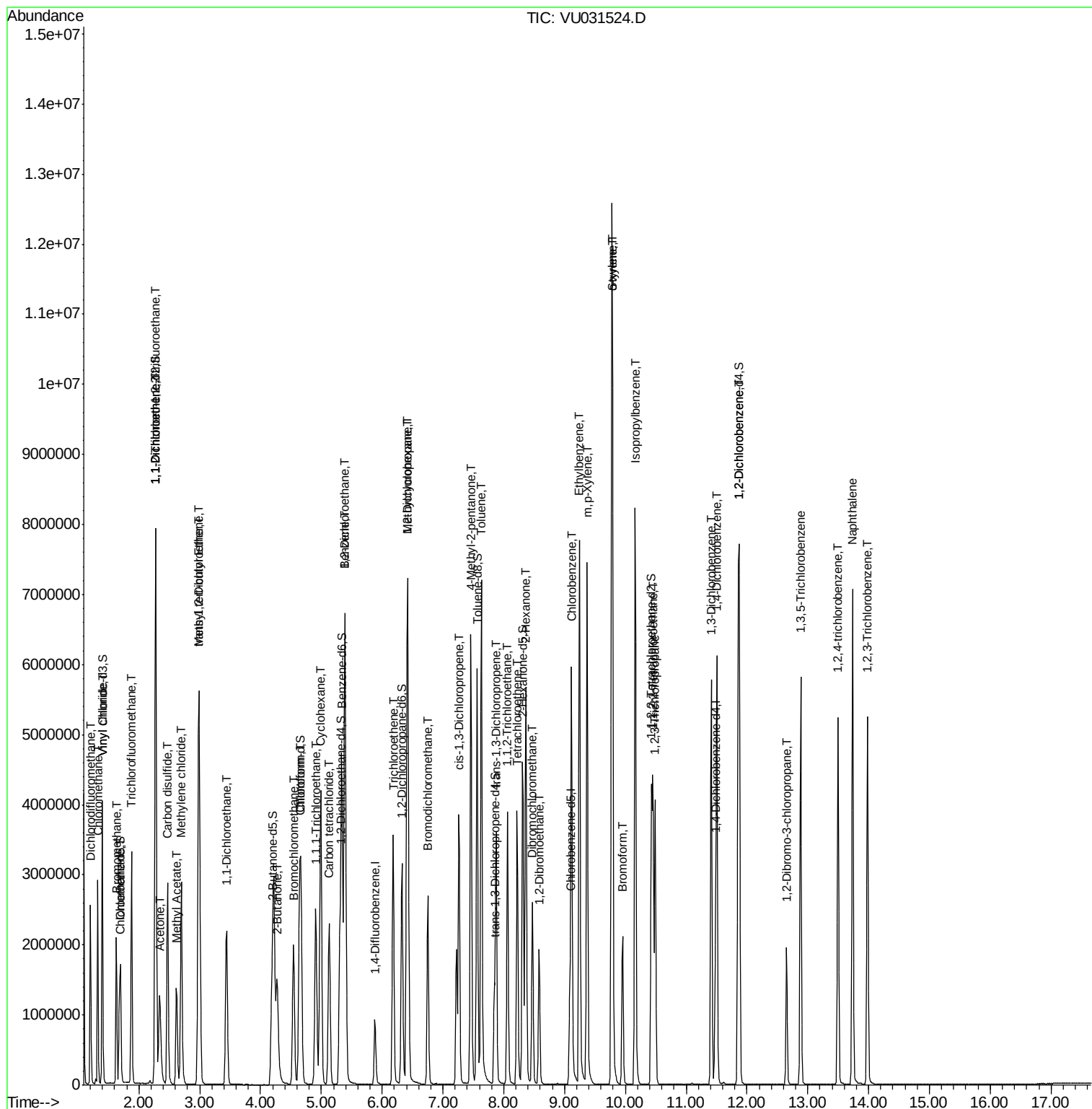
Quant Time: Apr 26 23:34:03 2019

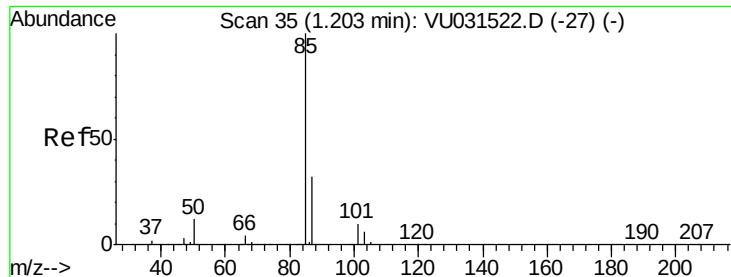
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM042719WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Apr 26 23:29:35 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 255.187 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

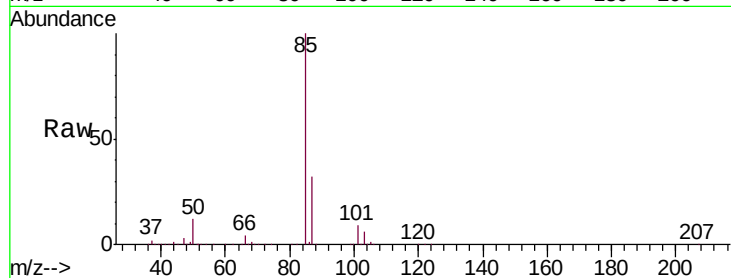
VSTD20053

Tgt Ion: 85 Resp: 1532930

Ion Ratio Lower Upper

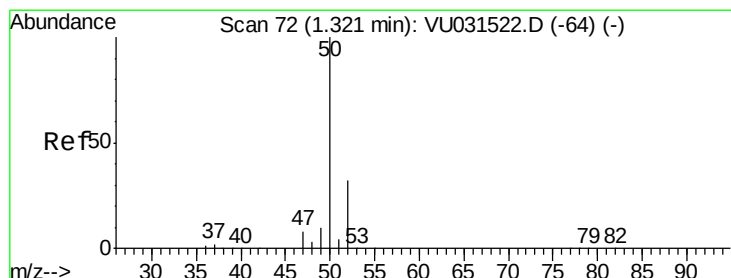
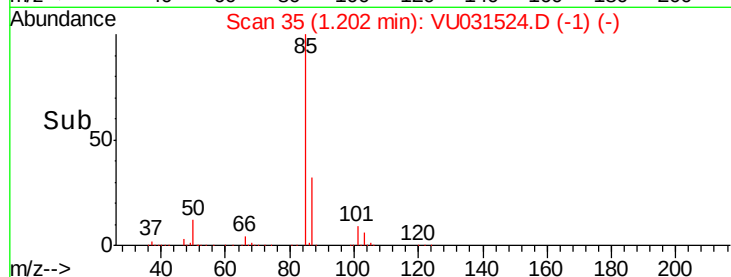
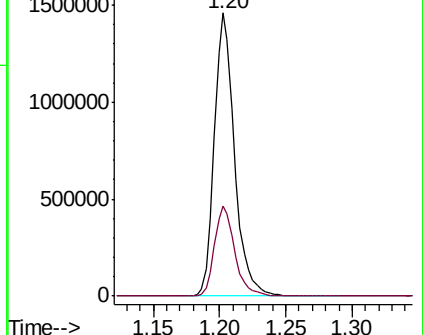
85 100

87 32.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031522.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031522.D (-27) (-)



#3

Chloromethane

Concen: 241.273 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031524.D

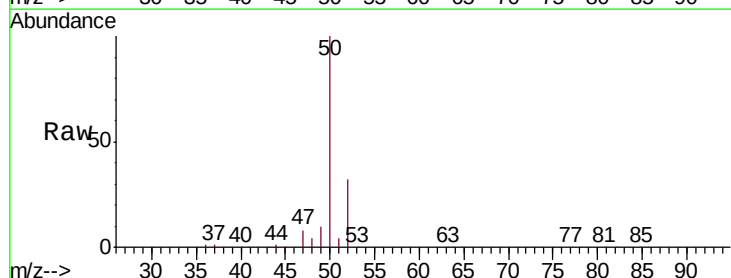
Acq: 26 Apr 2019 11:48

Tgt Ion: 50 Resp: 1834853

Ion Ratio Lower Upper

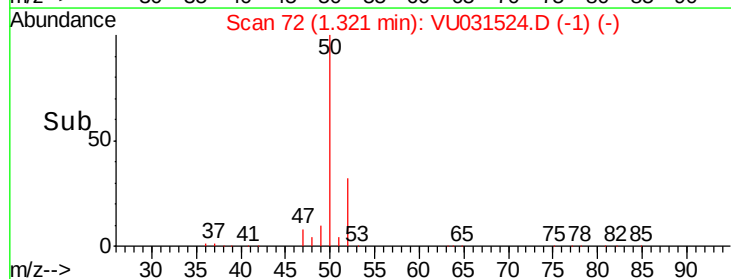
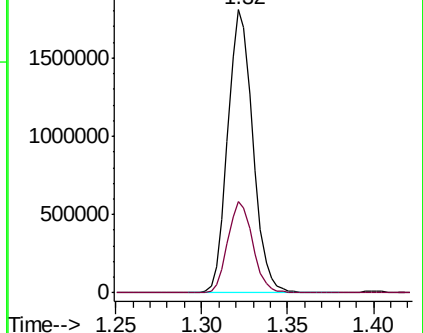
50 100

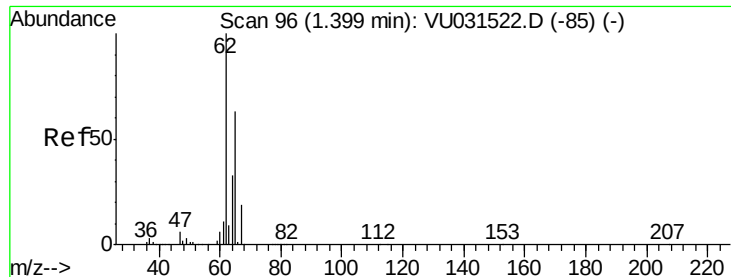
52 32.2 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031522.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031522.D (-64) (-)





#5

Vinyl chloride

Concen: 236.453 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

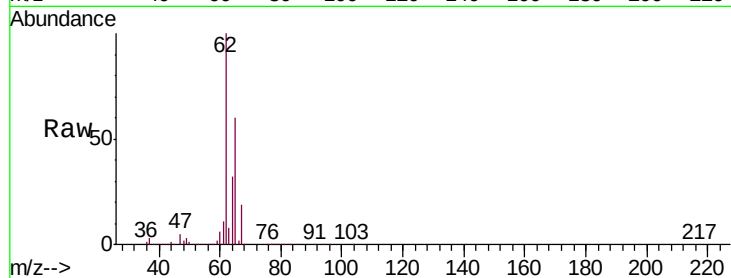
VSTD20053

Tgt Ion: 62 Resp: 1740388

Ion Ratio Lower Upper

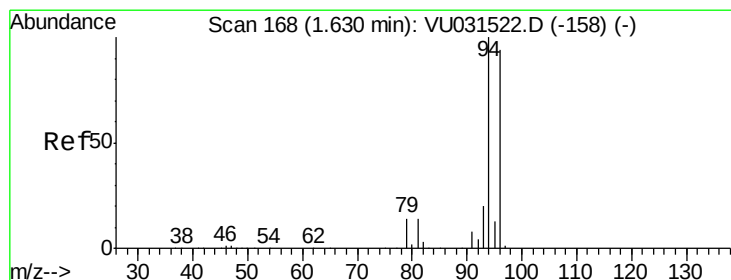
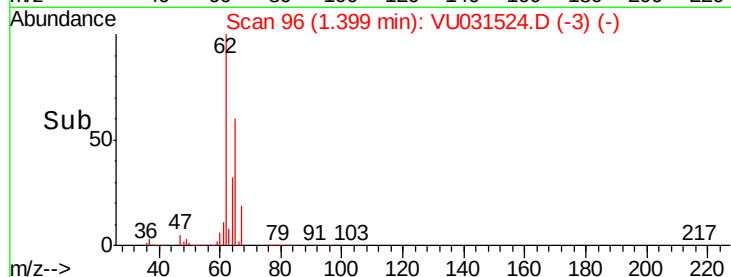
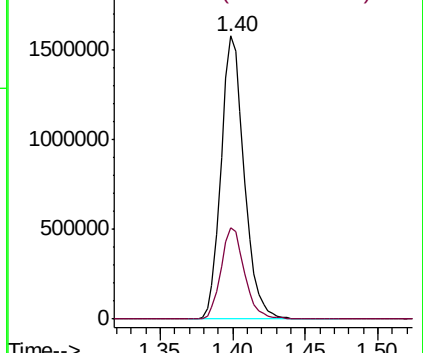
62 100

64 32.3 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031522.D

Ion 64.00 (63.70 to 64.70): VU031522.D



#6

Bromomethane

Concen: 218.278 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU031524.D

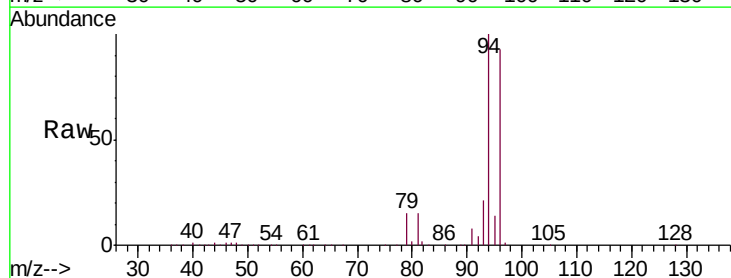
Acq: 26 Apr 2019 11:48

Tgt Ion: 94 Resp: 909391

Ion Ratio Lower Upper

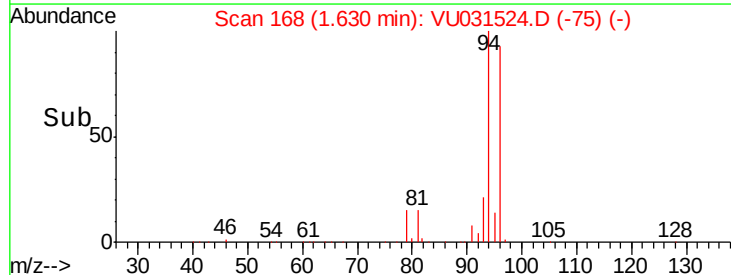
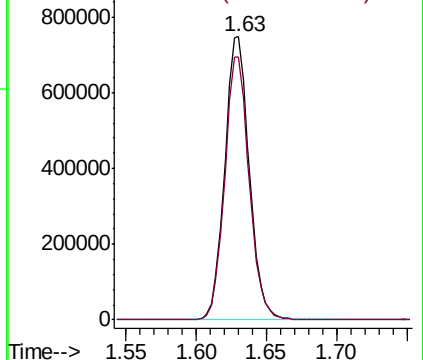
94 100

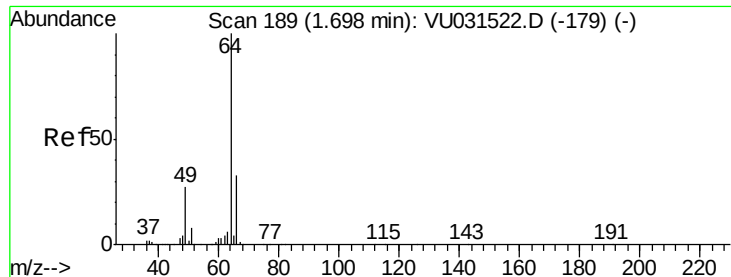
96 93.0 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031522.D

Ion 96.00 (95.70 to 96.70): VU031522.D





#8

Chloroethane

Concen: 222.865 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

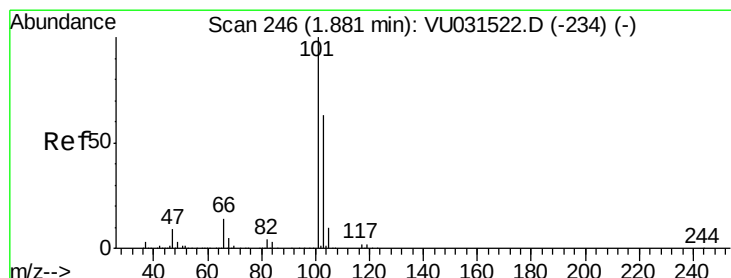
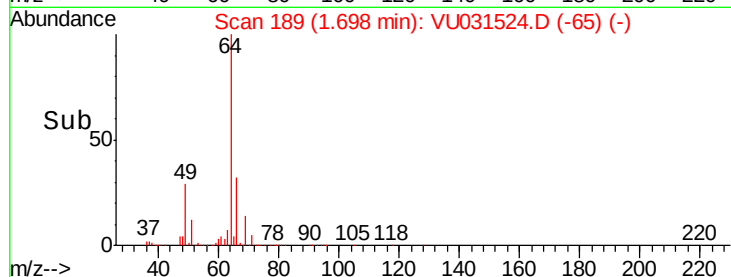
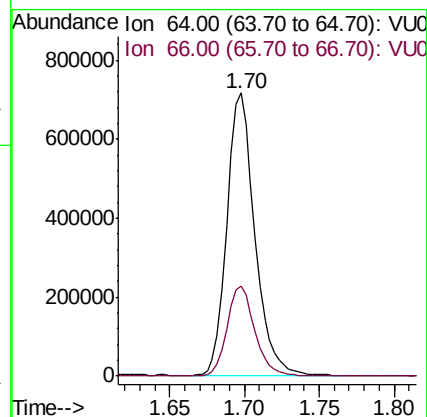
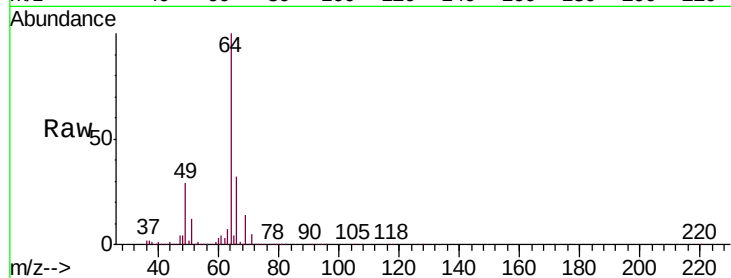
VSTD20053

Tgt Ion: 64 Resp: 926293

Ion Ratio Lower Upper

64 100

66 31.7 23.2 43.0



#9

Trichlorofluoromethane

Concen: 227.692 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU031524.D

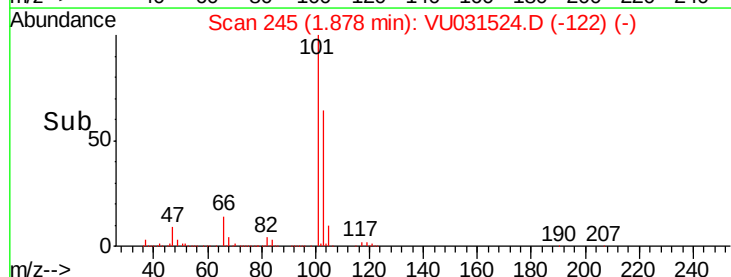
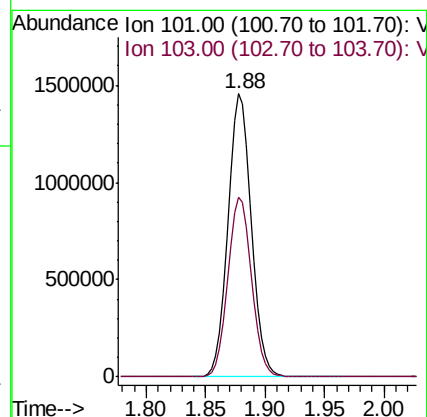
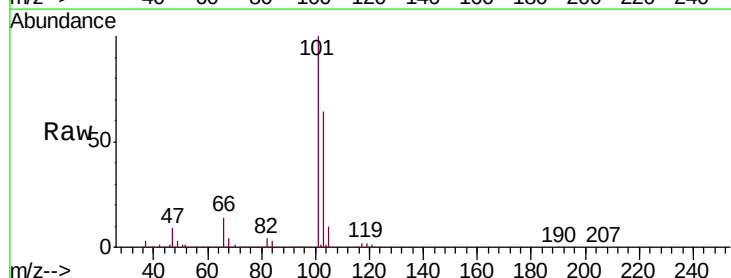
Acq: 26 Apr 2019 11:48

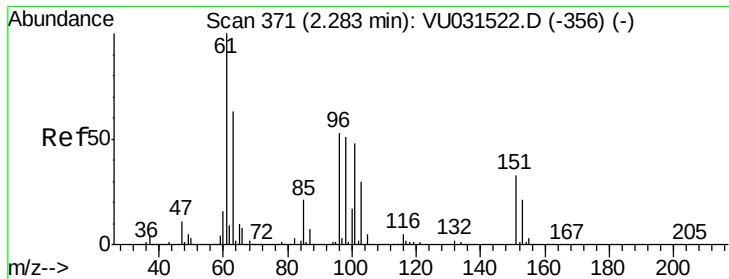
Tgt Ion: 101 Resp: 1975084

Ion Ratio Lower Upper

101 100

103 64.4 50.8 76.2





#10

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

Concen: 222.414 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

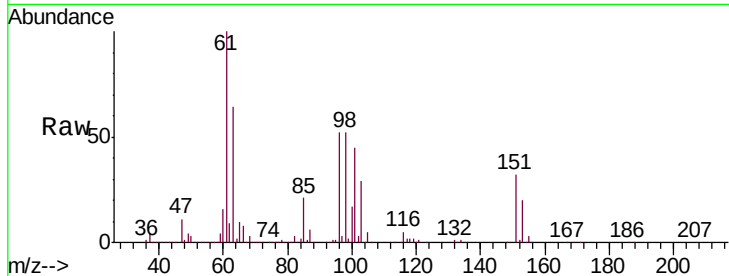
Tgt Ion:101 Resp: 1108469

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

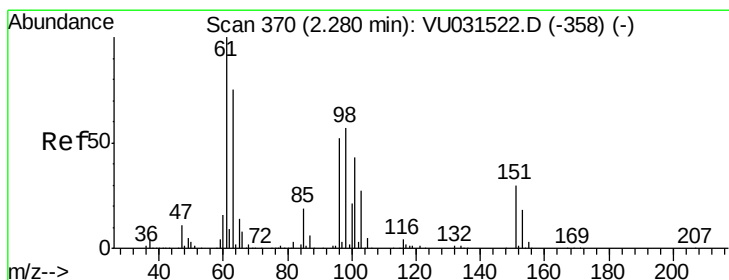
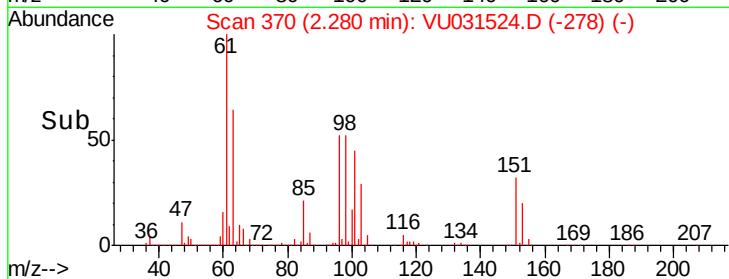
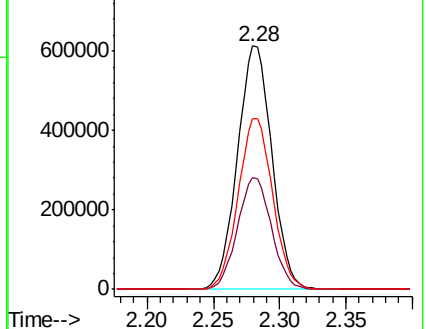
151 70.2 56.1 84.1



Abundance Ion 101.00 (100.70 to 101.70): VU031522.D (-356) (-)

Ion 85.00 (84.70 to 85.70): VU031522.D (-356) (-)

Ion 151.00 (150.70 to 151.70): VU031522.D (-356) (-)



#12

1,1-Dichloroethene

Concen: 223.923 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

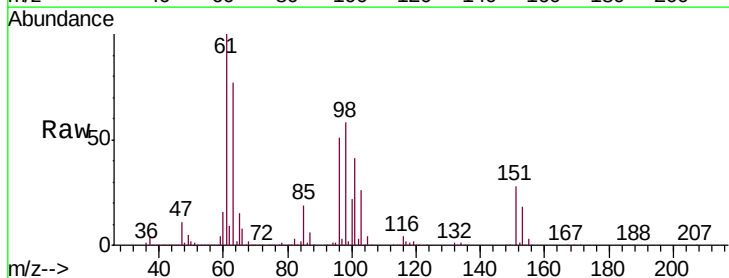
Tgt Ion: 96 Resp: 1097299

Ion Ratio Lower Upper

96 100

61 197.7 135.0 250.6

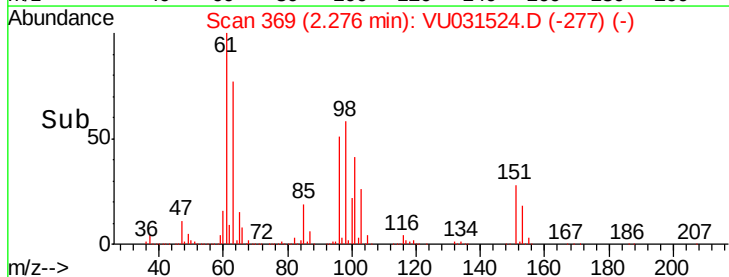
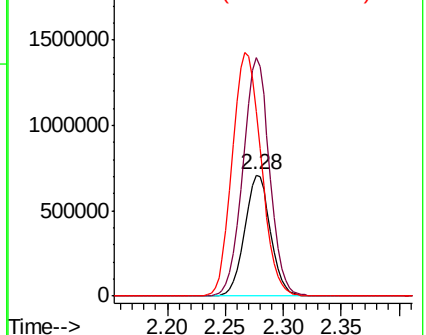
63 152.9 103.5 192.3

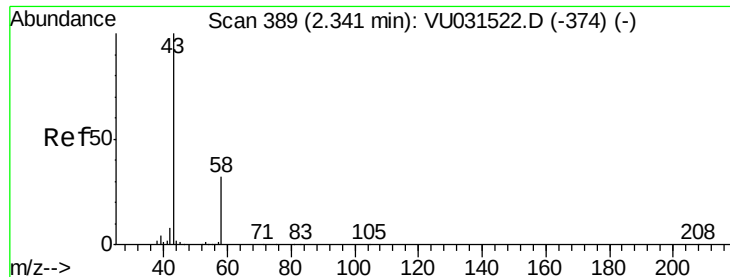


Abundance Ion 96.00 (95.70 to 96.70): VU031524.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU031524.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031524.D (-277) (-)





#13

Acetone

Concen: 490.856 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

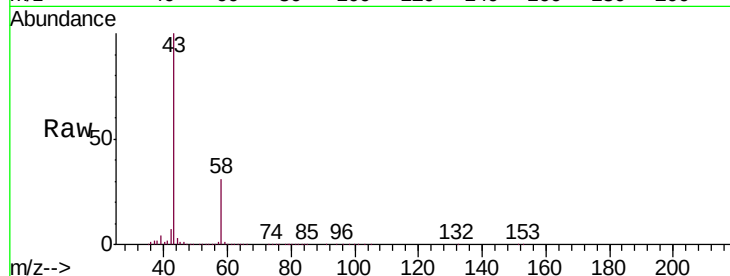
VSTD20053

Tgt Ion: 43 Resp: 2071804

Ion Ratio Lower Upper

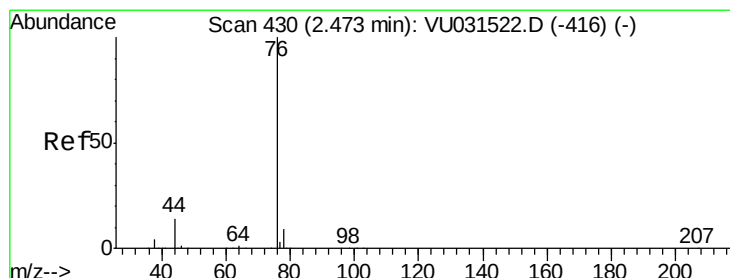
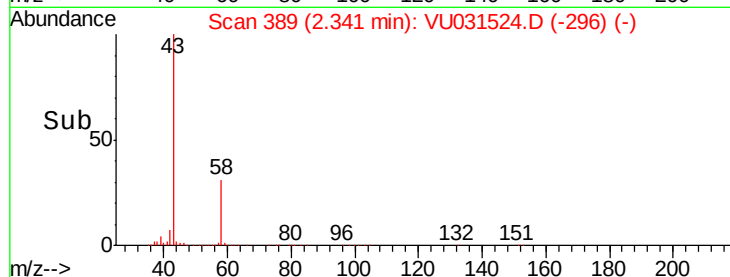
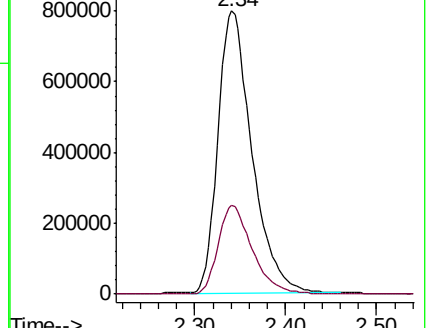
43 100

58 31.2 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031522.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031522.D (-374) (-)



#14

Carbon disulfide

Concen: 238.536 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031524.D

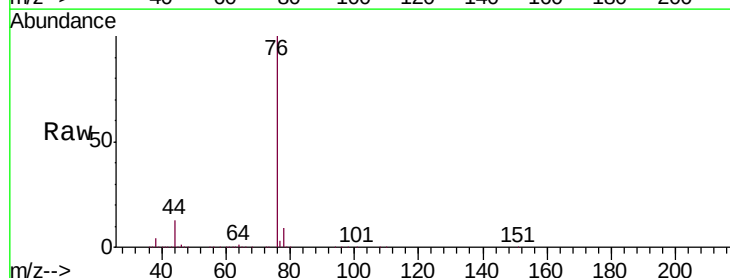
Acq: 26 Apr 2019 11:48

Tgt Ion: 76 Resp: 3607523

Ion Ratio Lower Upper

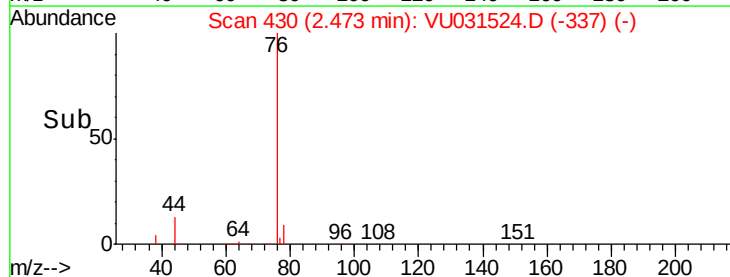
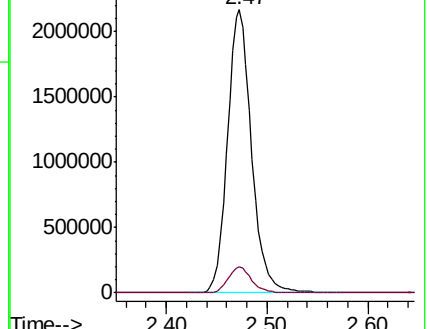
76 100

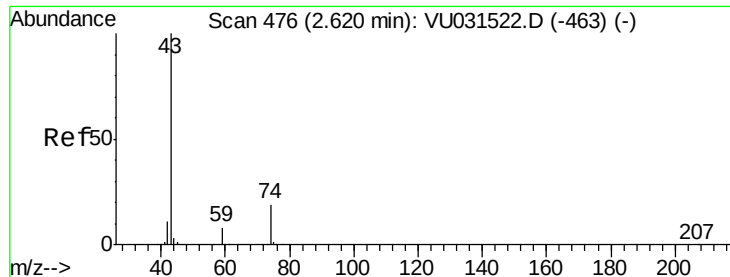
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031522.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031522.D (-416) (-)

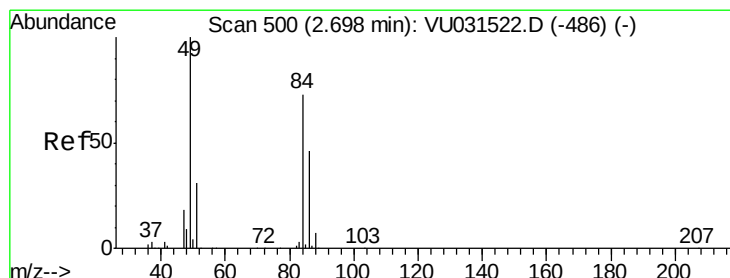
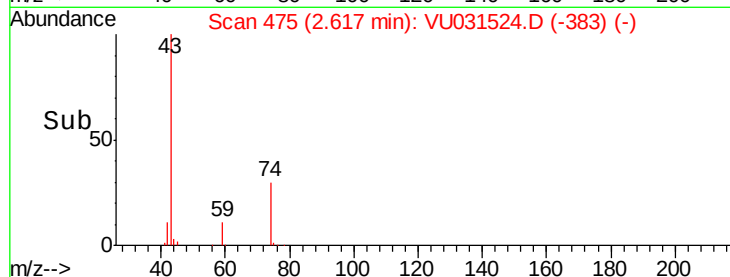
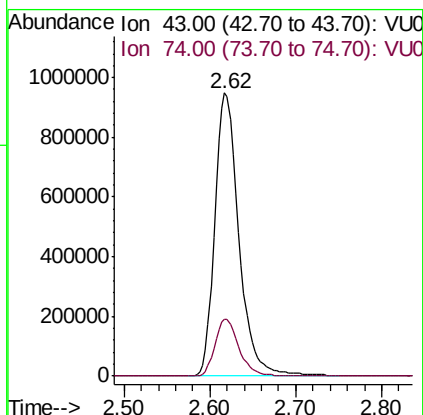
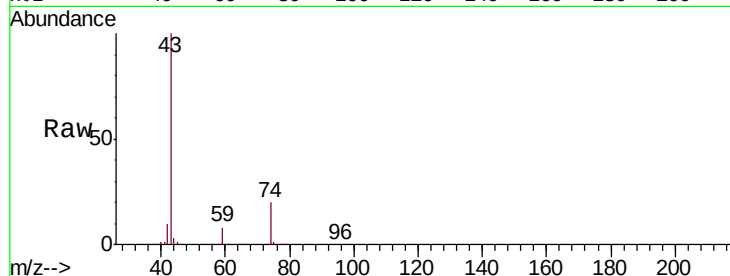




#15
Methyl Acetate
Concen: 250.585 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

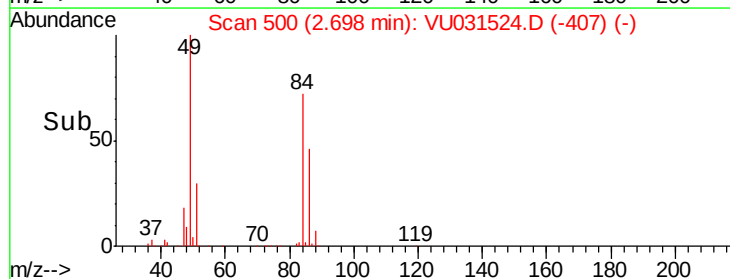
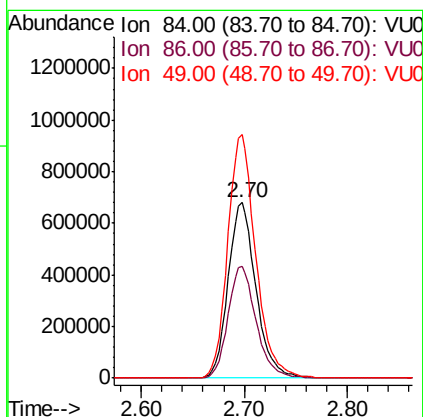
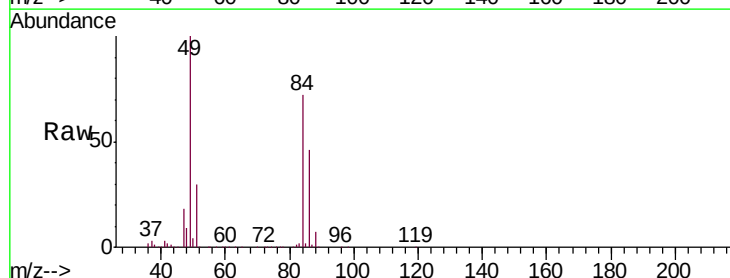
Instrument :
MSVOA_U
ClientSampled :
VSTD20053

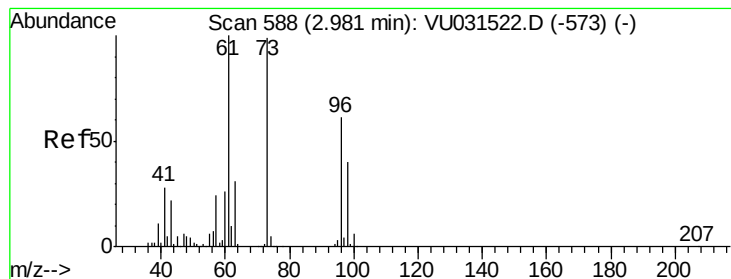
Tgt Ion: 43 Resp: 1840914
Ion Ratio Lower Upper
43 100
74 20.3 15.7 23.5



#16
Methylene chloride
Concen: 225.910 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

Tgt Ion: 84 Resp: 1274857
Ion Ratio Lower Upper
84 100
86 63.8 44.7 83.1
49 138.8 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 230.393 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

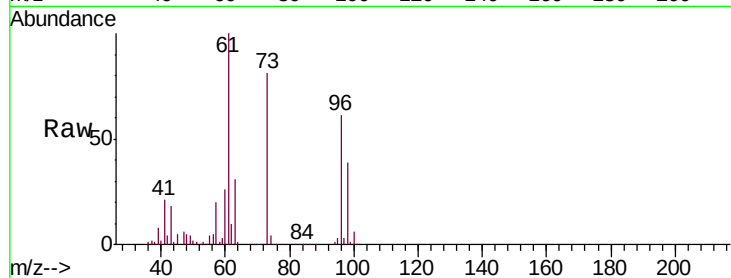
Tgt Ion: 96 Resp: 1165116

Ion Ratio Lower Upper

96 100

61 162.7 114.5 212.7

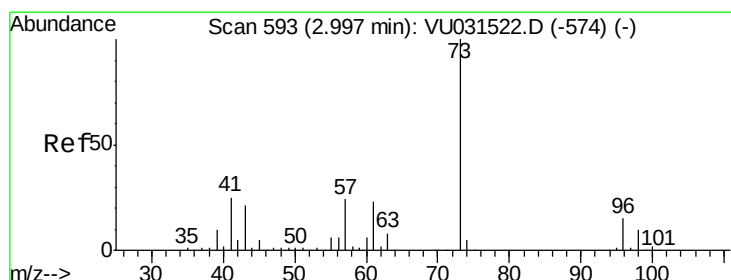
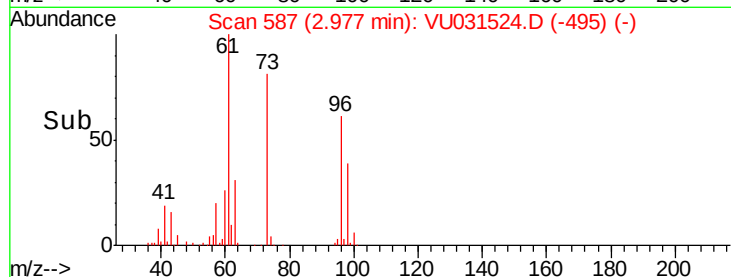
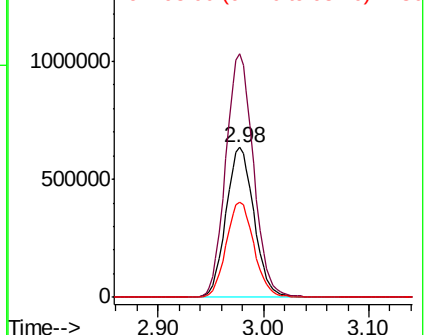
98 63.9 45.4 84.2



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: 240.160 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

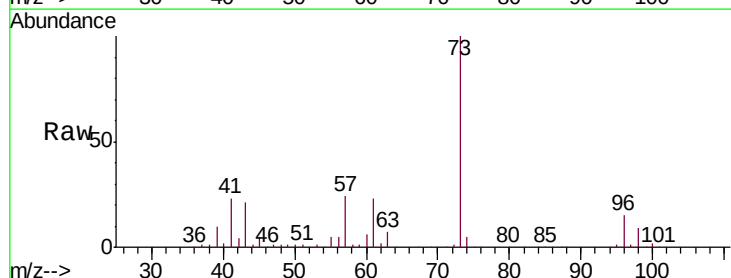
Tgt Ion: 73 Resp: 3994248

Ion Ratio Lower Upper

73 100

43 20.8 17.0 25.4

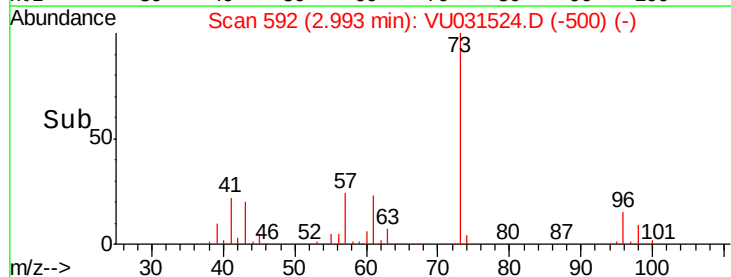
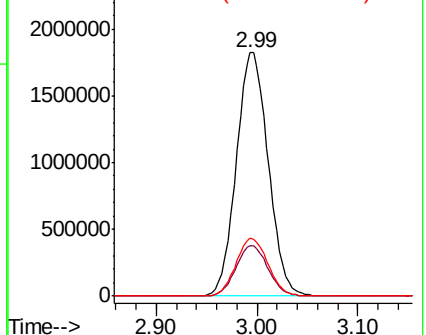
57 23.8 19.5 29.3

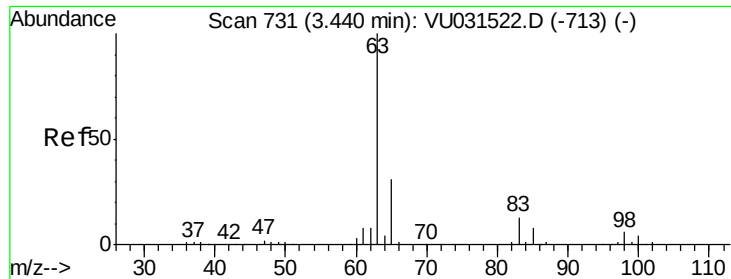


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 242.820 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

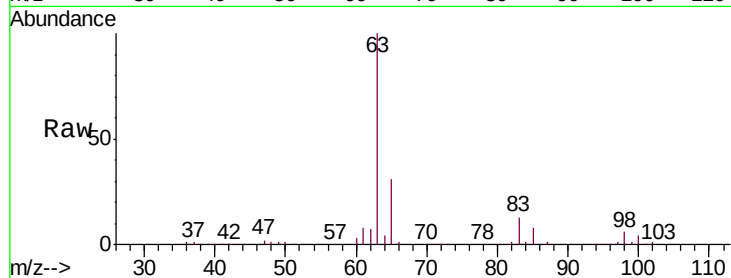
Tgt Ion: 63 Resp: 2467388

Ion Ratio Lower Upper

63 100

65 31.1 22.0 40.8

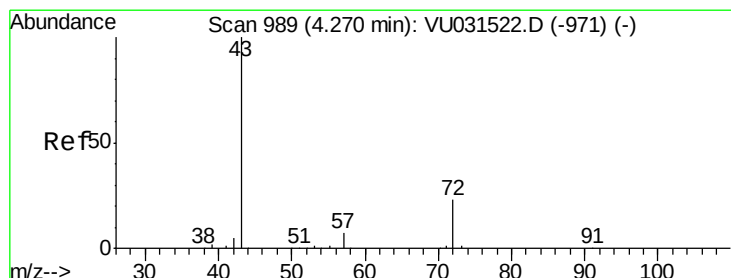
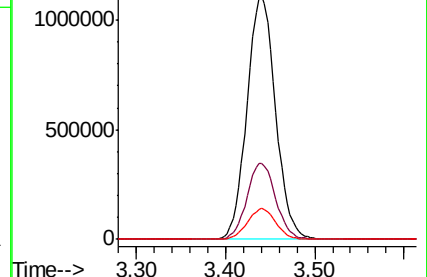
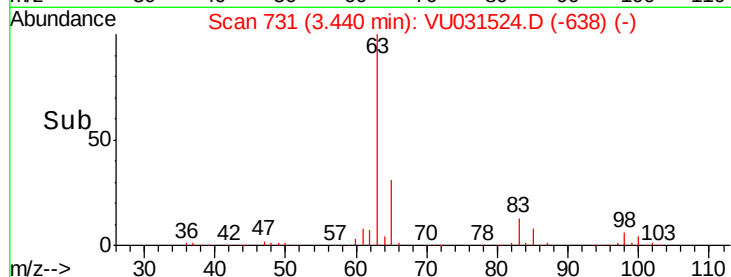
83 12.7 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VU031524.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU031524.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU031524.D (-638) (-)



#22

2-Butanone

Concen: 544.554 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VU031524.D

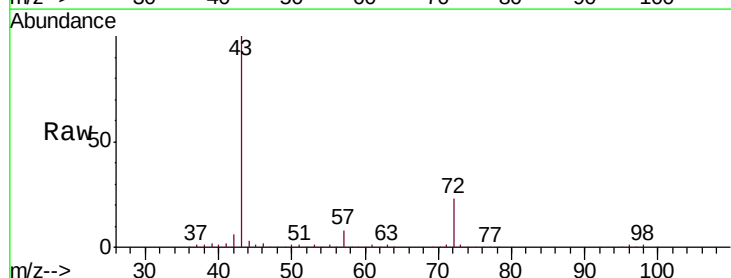
Acq: 26 Apr 2019 11:48

Tgt Ion: 43 Resp: 2868689

Ion Ratio Lower Upper

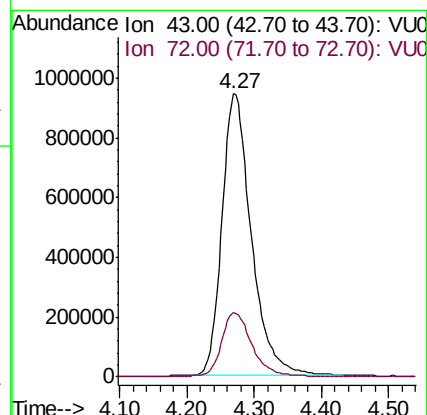
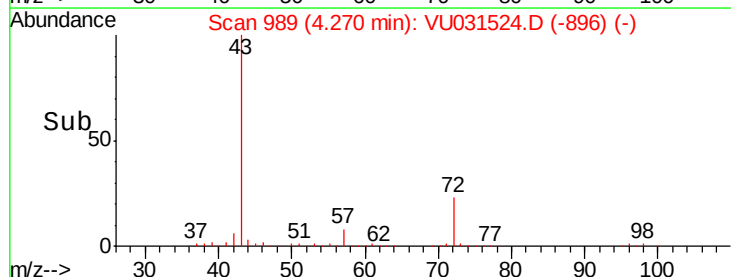
43 100

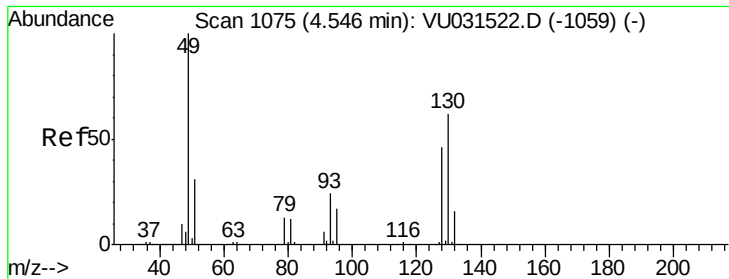
72 23.9 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031524.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VU031524.D (-896) (-)





#23

Bromochloromethane

Concen: 214.819 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

Tgt Ion:128 Resp: 610569

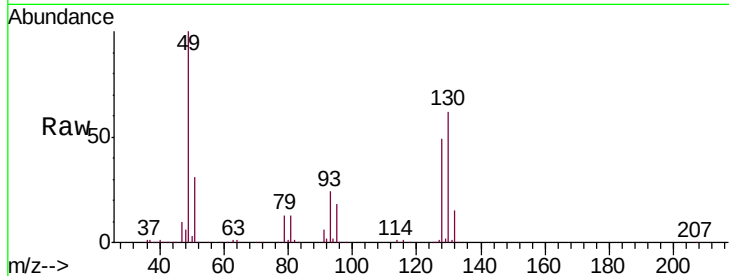
Ion Ratio Lower Upper

128 100

49 205.6 152.6 283.4

130 127.0 93.7 173.9

51 64.5 54.2 81.4

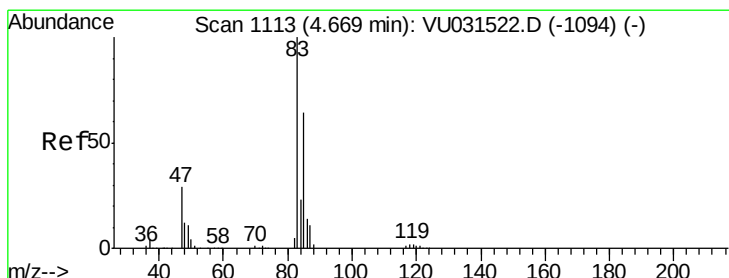
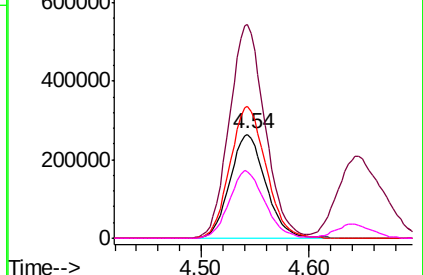
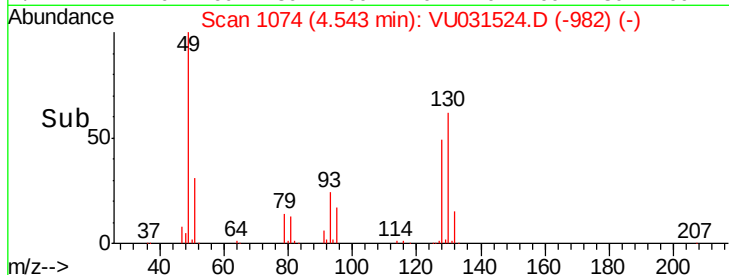


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 238.419 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU031524.D

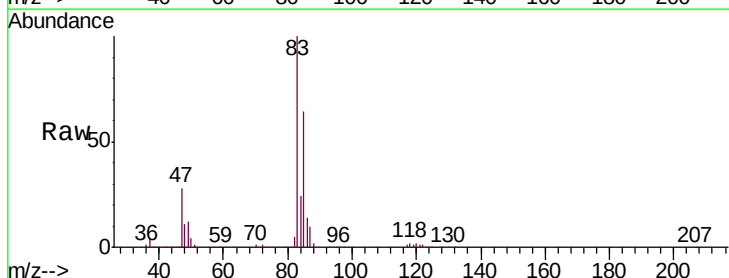
Acq: 26 Apr 2019 11:48

Tgt Ion: 83 Resp: 2320289

Ion Ratio Lower Upper

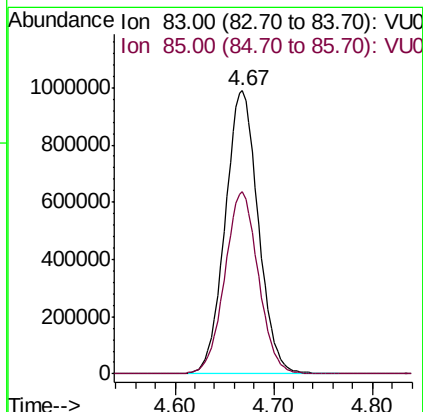
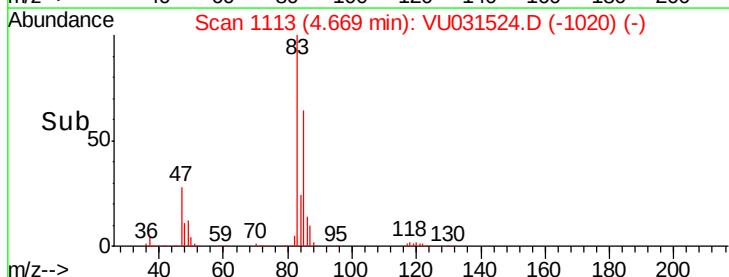
83 100

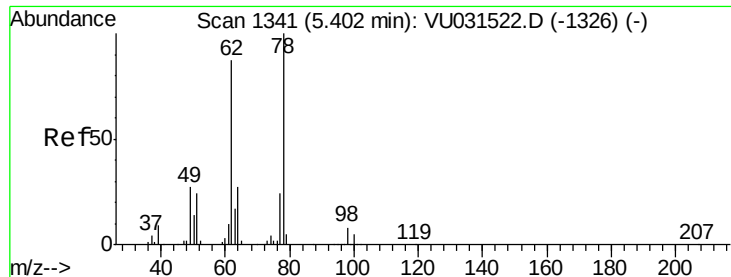
85 64.2 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

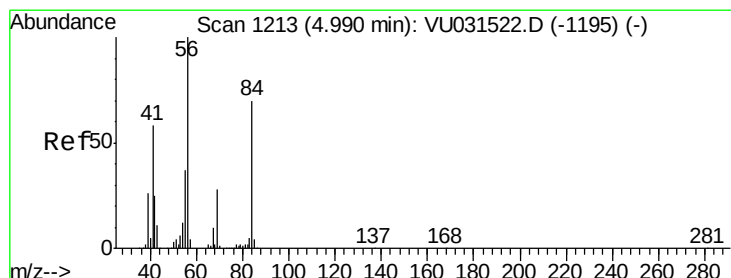
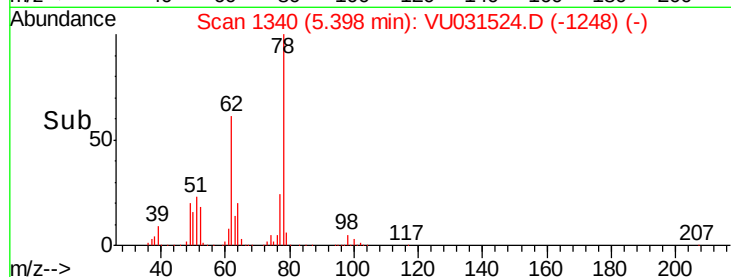
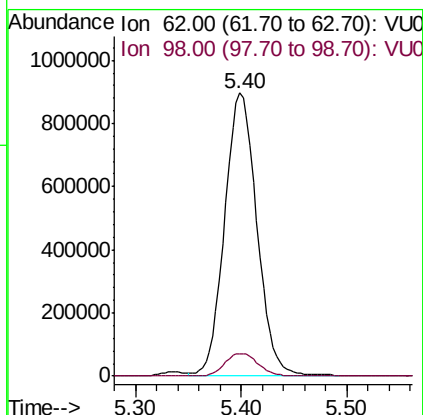
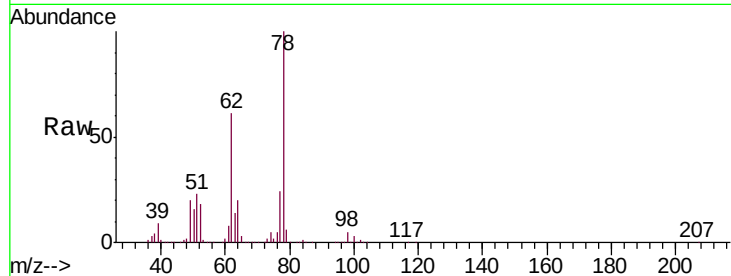




#27
1,2-Dichloroethane
Concen: 254.177 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

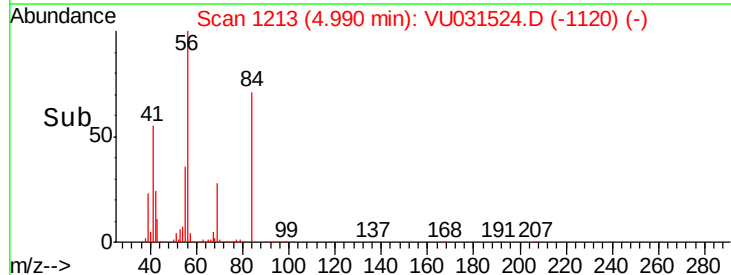
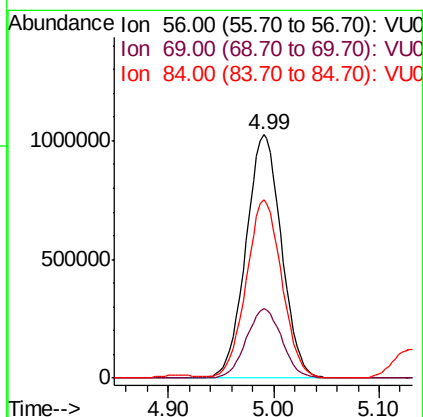
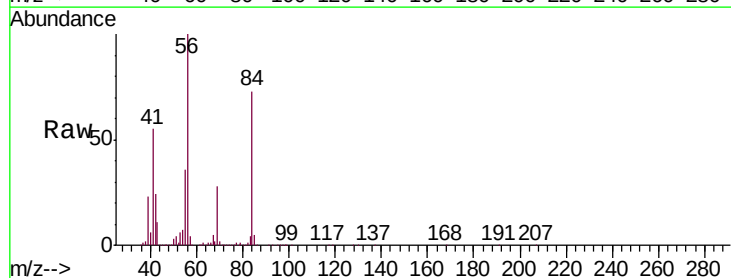
Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

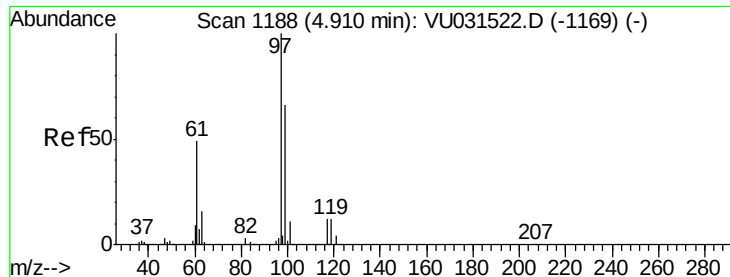
Tgt Ion: 62 Resp: 1887726
Ion Ratio Lower Upper
62 100
98 8.1 7.1 10.7



#29
Cyclohexane
Concen: 263.229 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

Tgt Ion: 56 Resp: 2405808
Ion Ratio Lower Upper
56 100
69 28.6 22.3 33.5
84 73.0 57.5 86.3

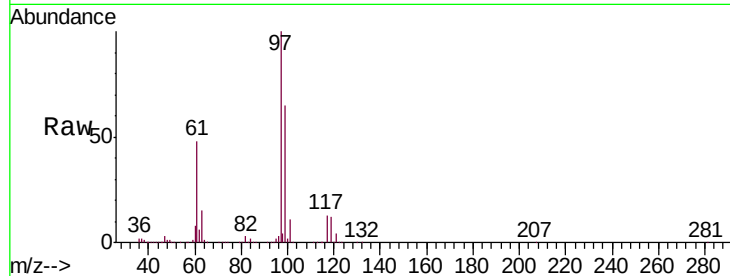




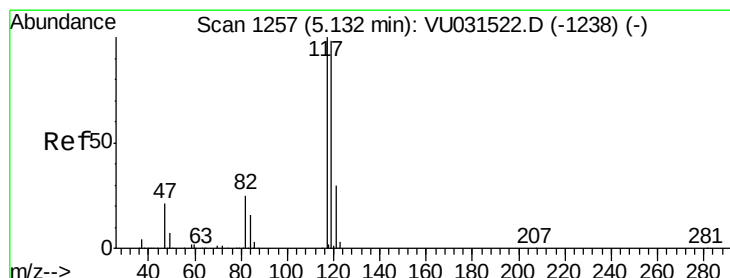
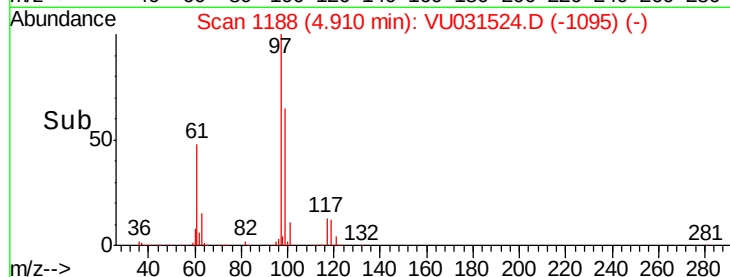
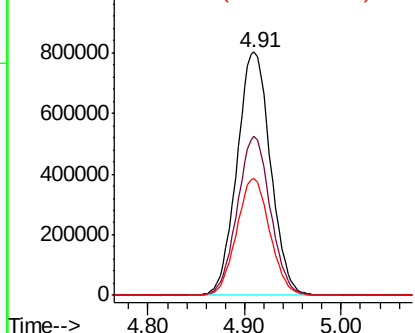
#30
 1,1,1-Trichloroethane
 Concen: 241.193 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

Tgt Ion: 97 Resp: 1933802
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.0 78.0
 61 47.5 38.7 58.1

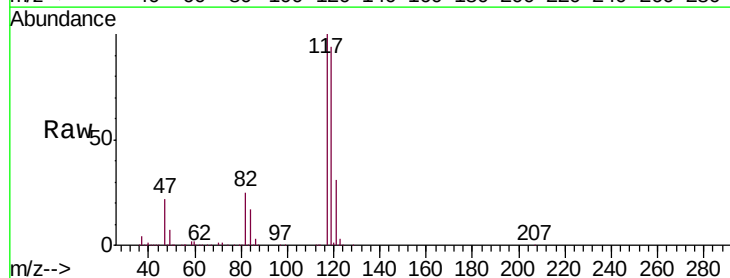


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

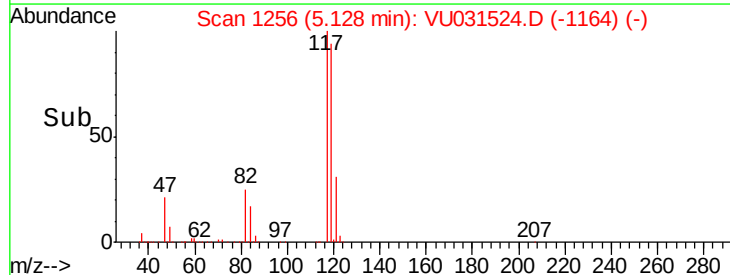
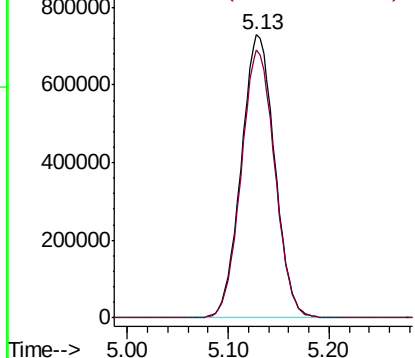


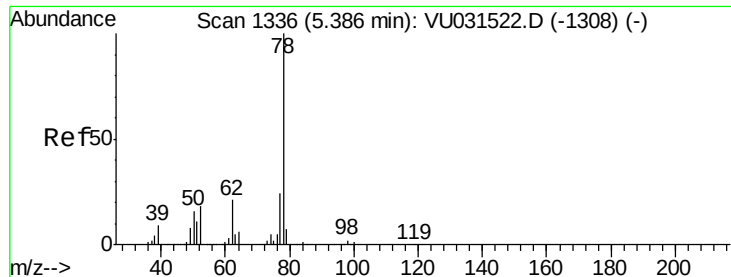
#31
 Carbon tetrachloride
 Concen: 243.856 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

Tgt Ion: 117 Resp: 1674141
 Ion Ratio Lower Upper
 117 100
 119 94.9 76.6 114.8



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

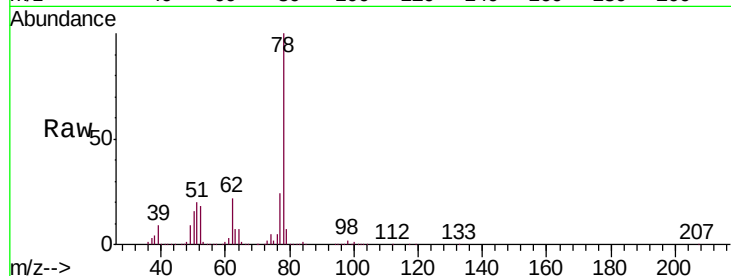




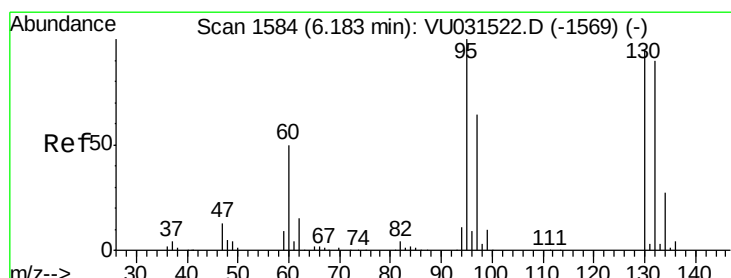
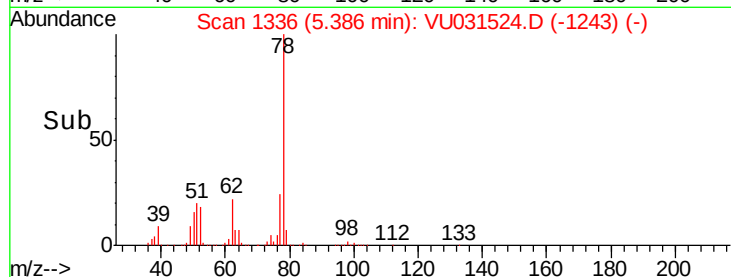
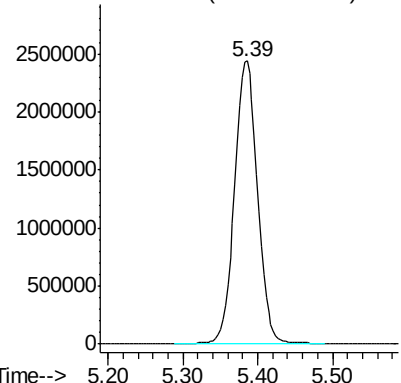
#33
Benzene
Concen: 241.184 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

Instrument :
MSVOA_U
ClientSampled :
VSTD20053

Tgt Ion: 78 Resp: 5242643



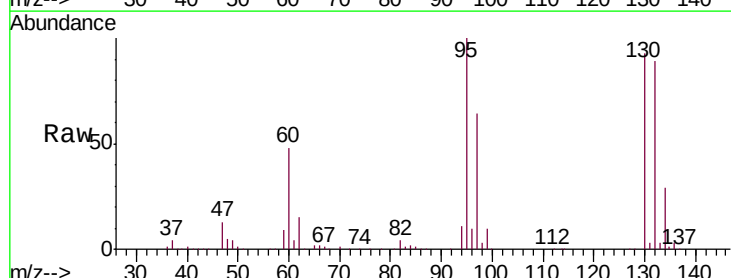
Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 225.381 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

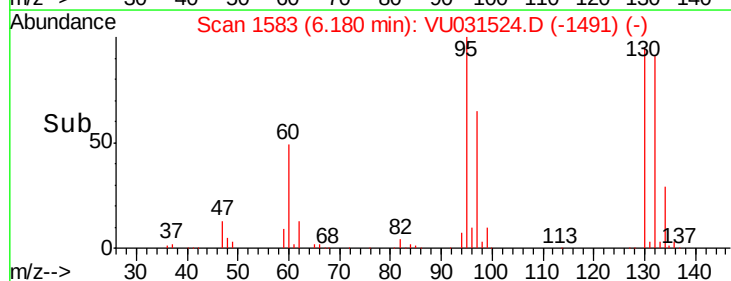
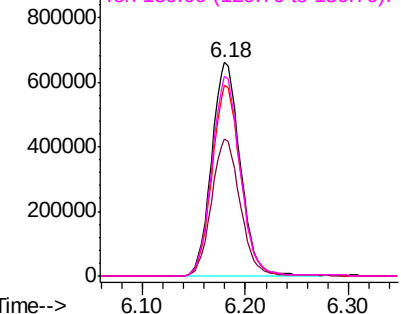
Tgt Ion: 95 Resp: 1278866

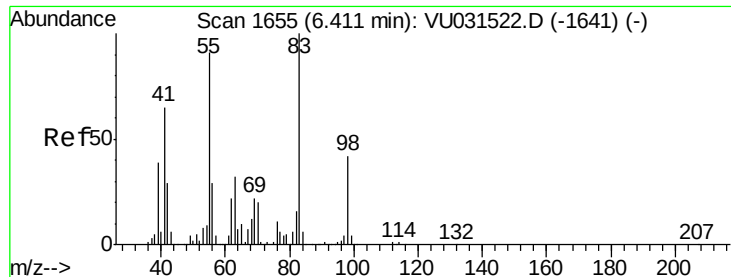
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.8	83.2
132	89.3	63.1	117.1
130	93.4	66.5	123.5



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

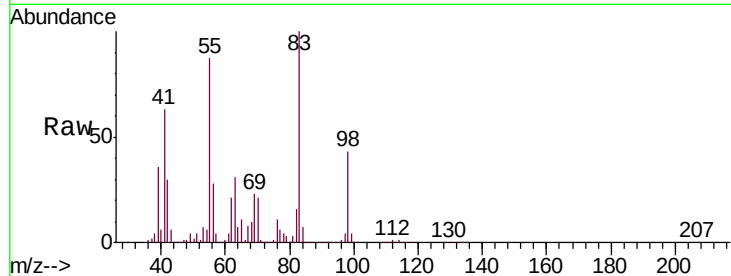




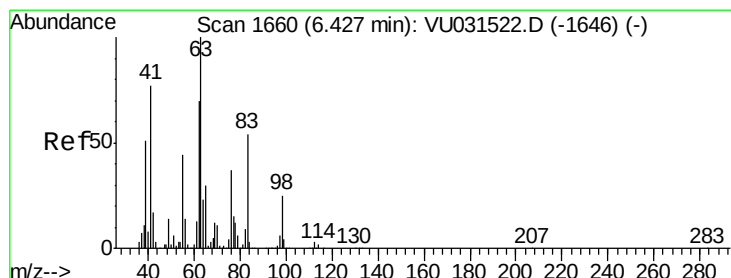
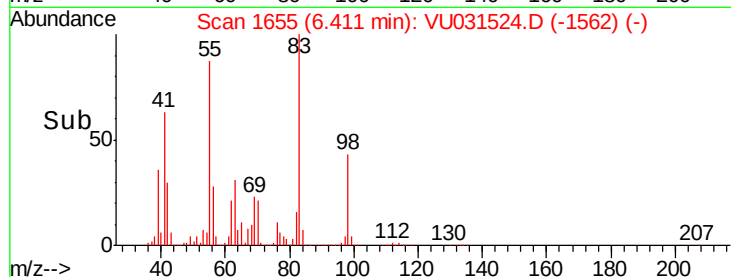
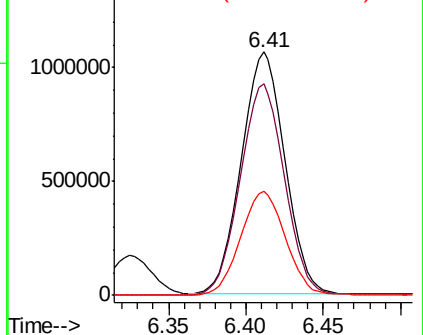
#35
Methylcyclohexane
Concen: 249.435 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

Tgt Ion: 83 Resp: 2078343
Ion Ratio Lower Upper
83 100
55 89.6 73.0 109.4
98 44.4 35.3 52.9

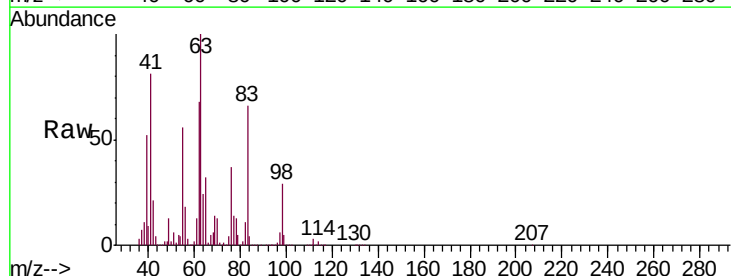


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

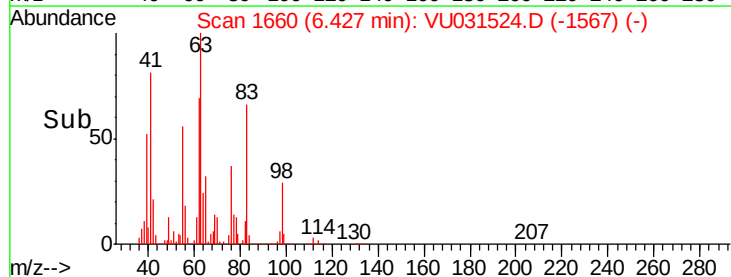
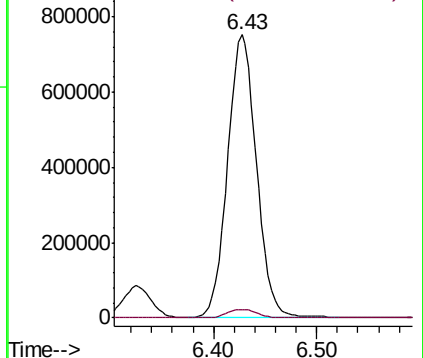


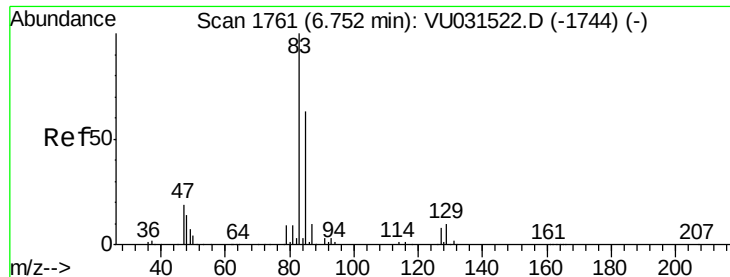
#37
1,2-Dichloropropane
Concen: 248.430 ug/L
RT: 6.43 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

Tgt Ion: 63 Resp: 1460543
Ion Ratio Lower Upper
63 100
112 3.2 2.7 4.1



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 246.187 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

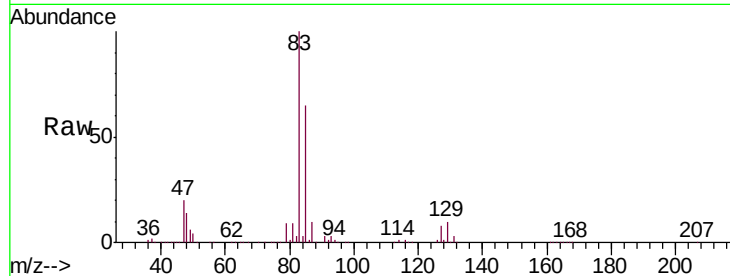
Tgt Ion: 83 Resp: 1765496

Ion Ratio Lower Upper

83 100

85 65.0 43.7 81.1

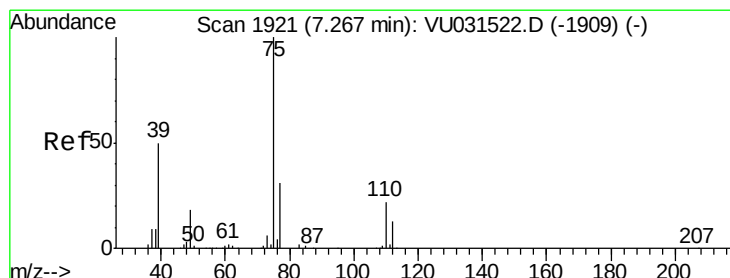
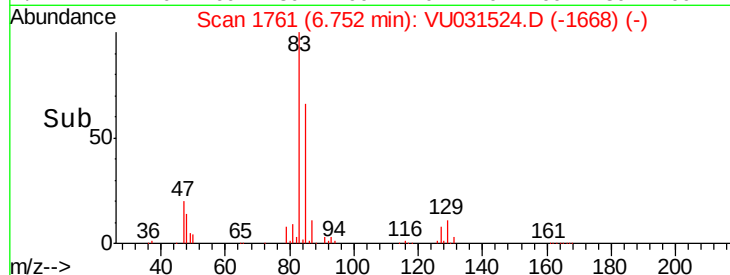
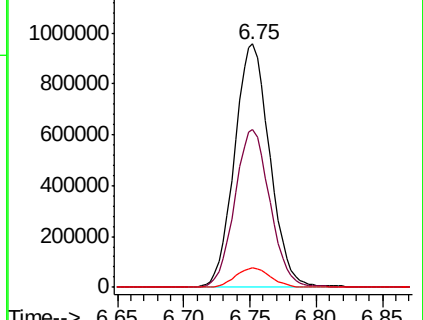
127 7.9 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VU031524.D (-1744) (-)

Ion 85.00 (84.70 to 85.70): VU031524.D (-1744) (-)

Ion 127.00 (126.70 to 127.70): VU031524.D (-1744) (-)



#39

cis-1,3-Dichloropropene

Concen: 264.391 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU031524.D

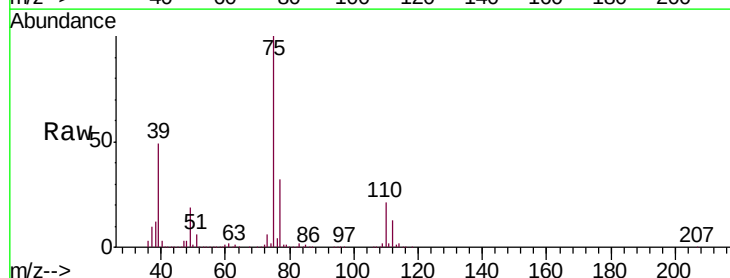
Acq: 26 Apr 2019 11:48

Tgt Ion: 75 Resp: 2236797

Ion Ratio Lower Upper

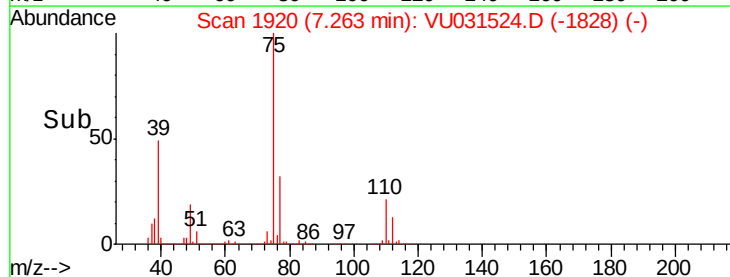
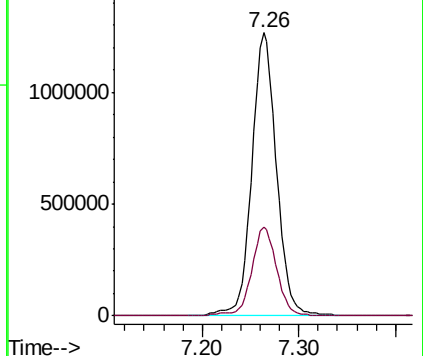
75 100

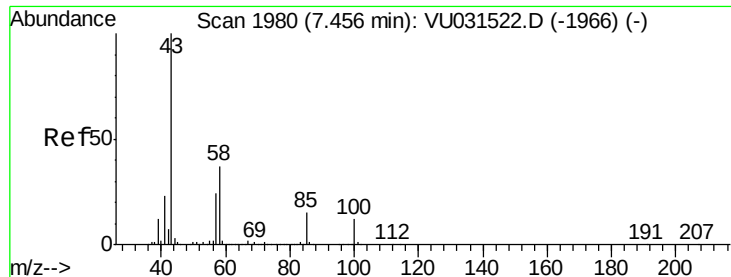
77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031524.D (-1828) (-)

Ion 77.00 (76.70 to 77.70): VU031524.D (-1828) (-)

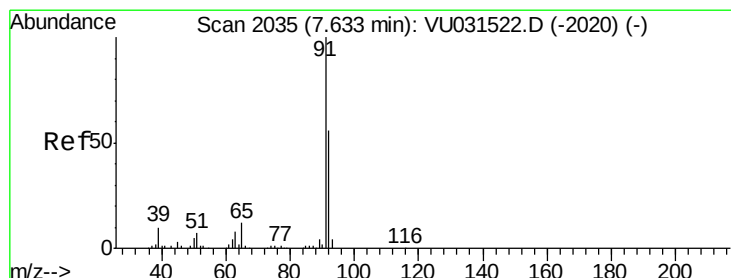
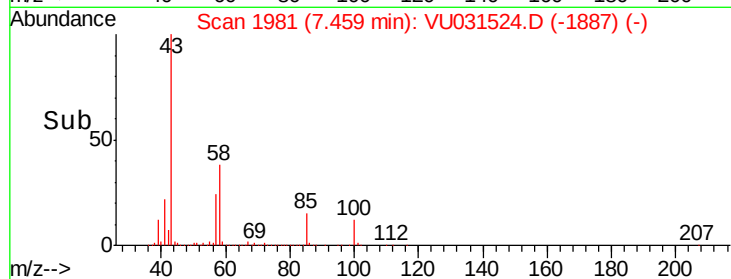
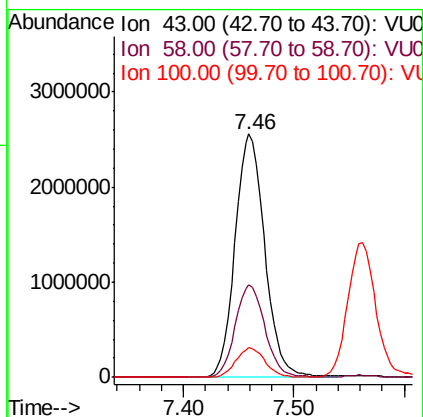
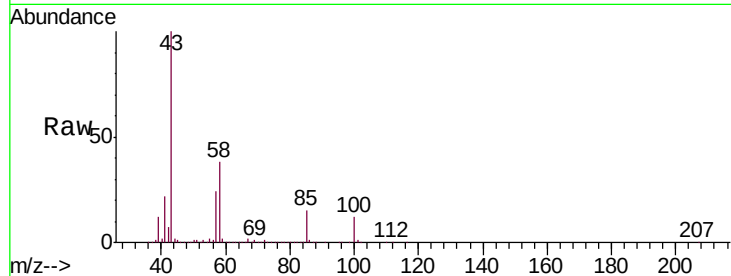




#40
 4-Methyl-2-pentanone
 Concen: 532.492 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

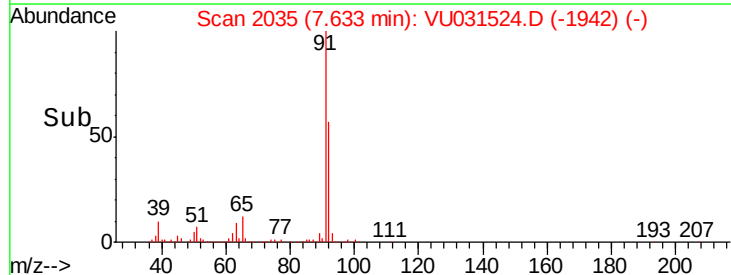
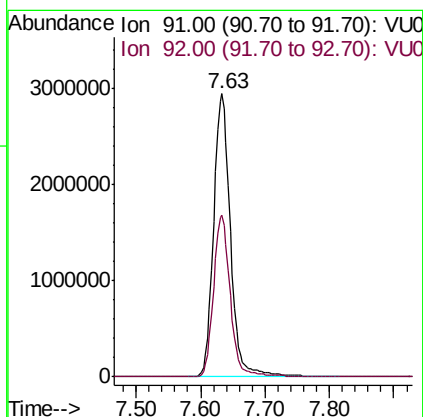
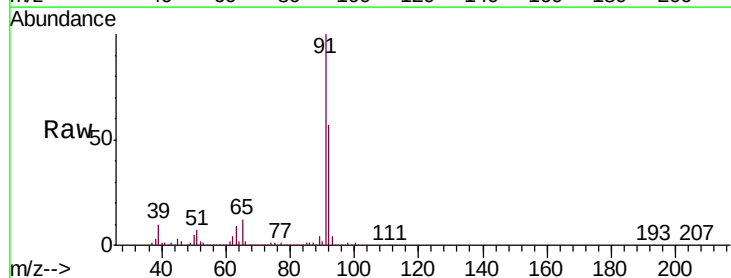
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

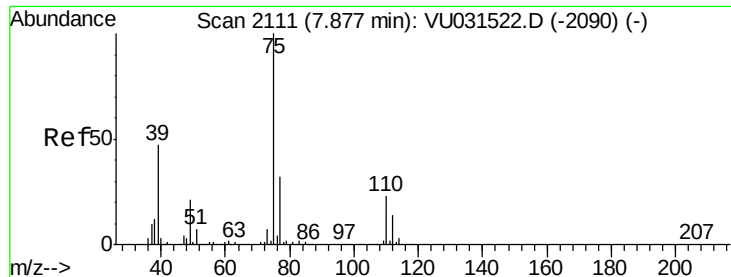
Tgt Ion: 43 Resp: 4771143
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.1 45.1
 100 12.0 9.6 14.4



#42
 Toluene
 Concen: 239.064 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

Tgt Ion: 91 Resp: 5343533
 Ion Ratio Lower Upper
 91 100
 92 57.3 39.0 72.4





#44

trans-1,3-Dichloropropene

Concen: 263.108 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

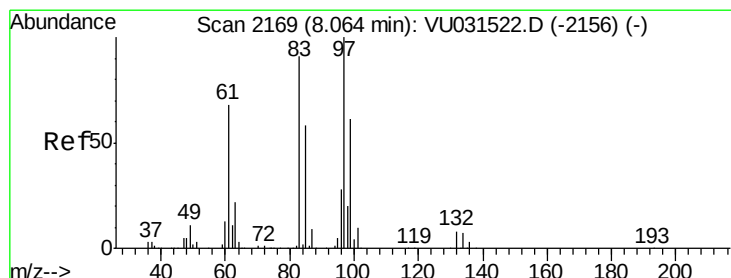
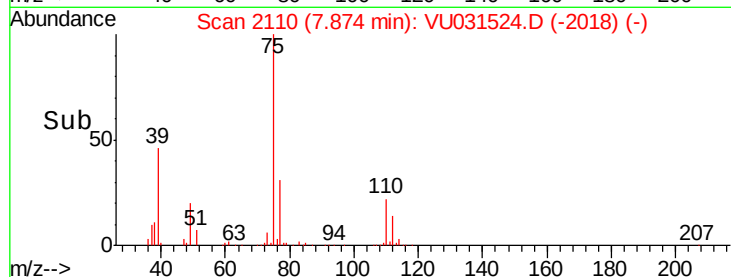
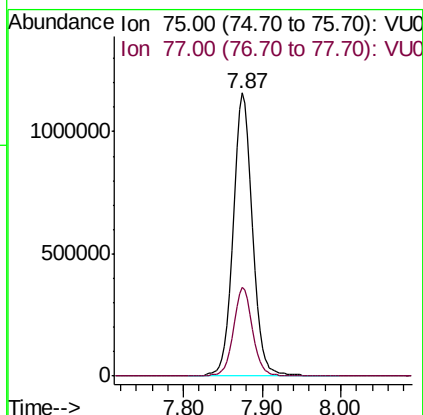
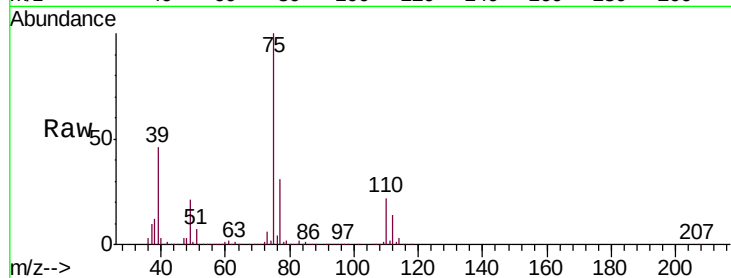
VSTD20053

Tgt Ion: 75 Resp: 1958597

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#45

1,1,2-Trichloroethane

Concen: 228.656 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Tgt Ion: 97 Resp: 1207008

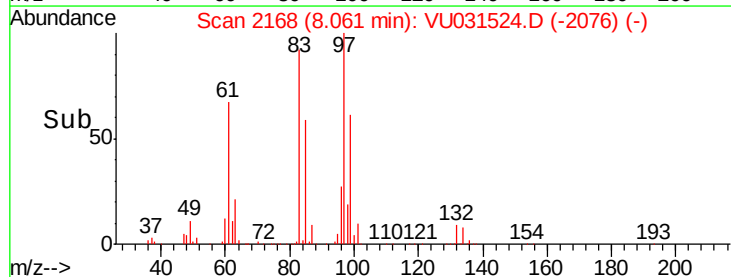
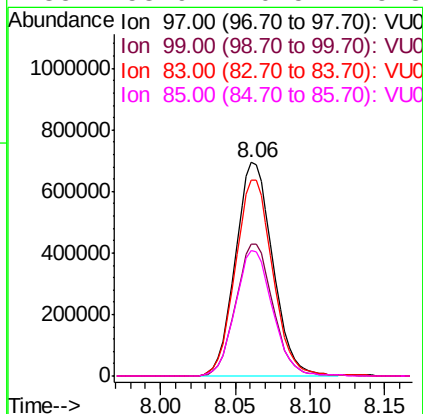
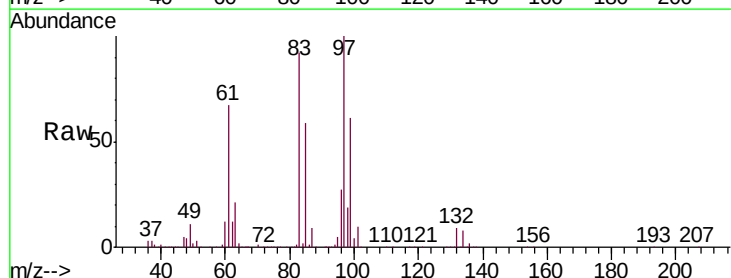
Ion Ratio Lower Upper

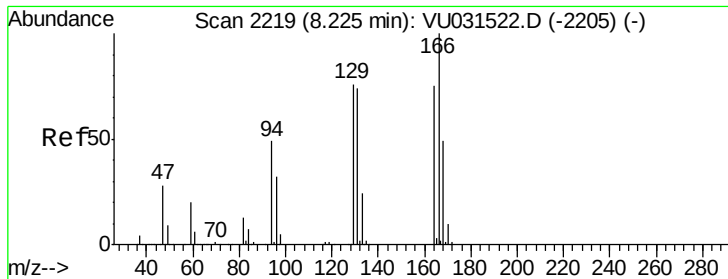
97 100

99 61.5 43.0 80.0

83 91.9 63.6 118.2

85 58.9 40.5 75.3

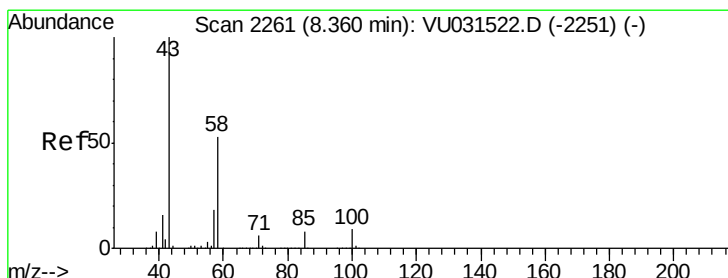
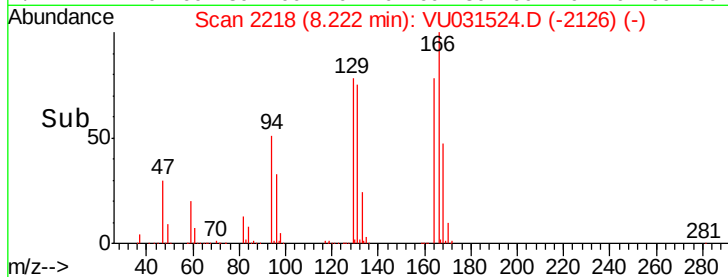
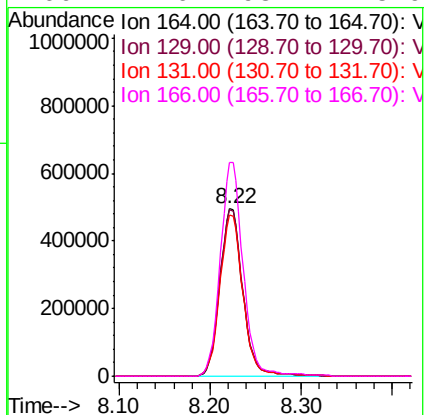
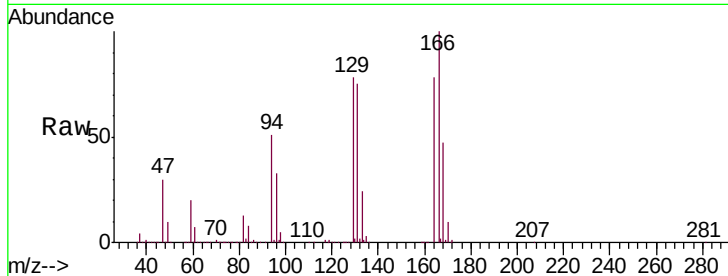




#46
Tetrachloroethene
Concen: 221.809 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

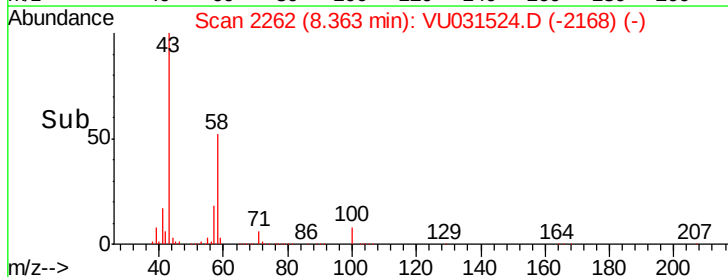
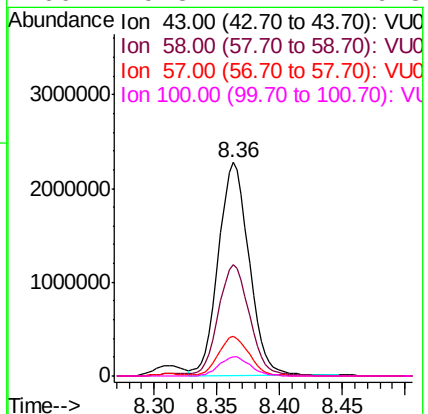
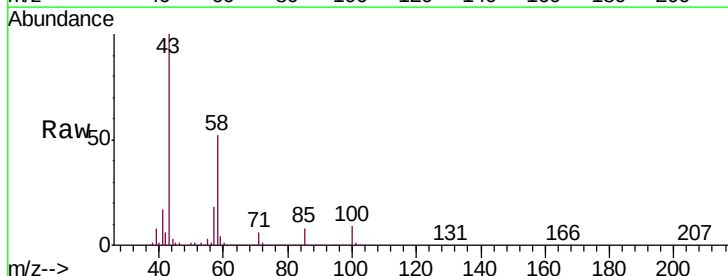
Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

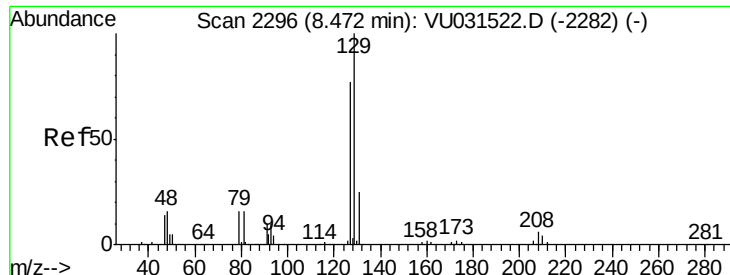
Tgt Ion:164 Resp: 872388
Ion Ratio Lower Upper
164 100
129 99.7 71.5 132.9
131 96.3 69.0 128.2
166 127.6 93.7 173.9



#48
2-Hexanone
Concen: 545.723 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

Tgt Ion: 43 Resp: 3865732
Ion Ratio Lower Upper
43 100
58 53.0 42.1 63.1
57 18.6 14.6 22.0
100 9.3 7.2 10.8





#49

Dibromochloromethane

Concen: 232.659 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

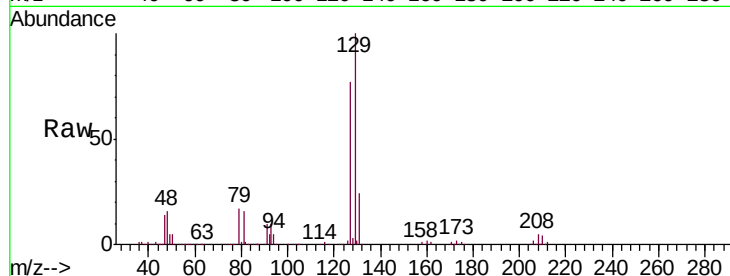
VSTD20053

Tgt Ion:129 Resp: 1294292

Ion Ratio Lower Upper

129 100

127 77.2 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.47

800000

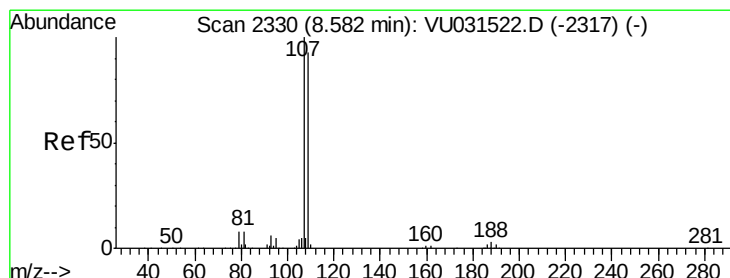
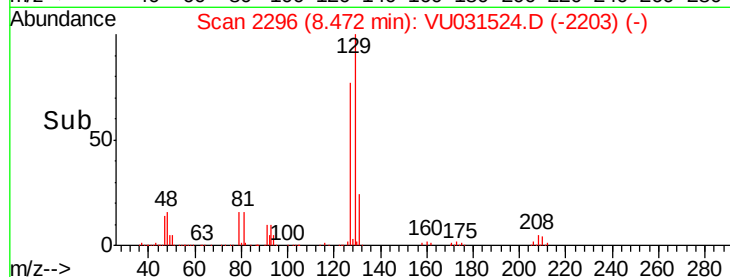
600000

400000

200000

0

Time-->



#50

1,2-Dibromoethane

Concen: 232.356 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

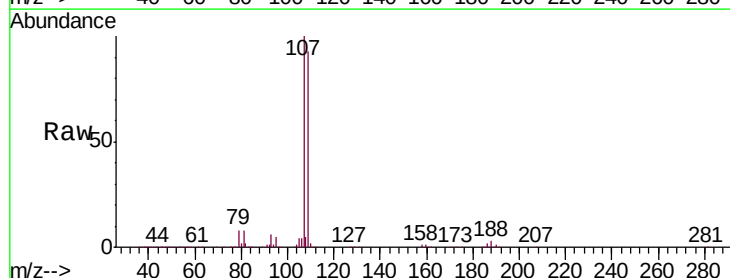
Tgt Ion:107 Resp: 1277491

Ion Ratio Lower Upper

107 100

109 93.4 64.9 120.5

188 3.2 2.4 3.6



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

8.58

1000000

800000

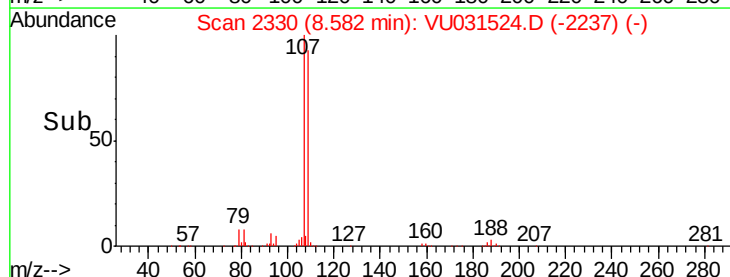
600000

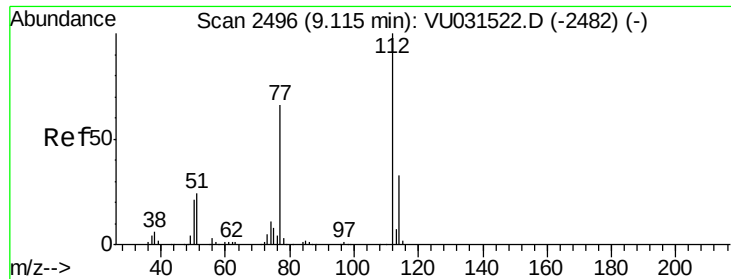
400000

200000

0

Time-->

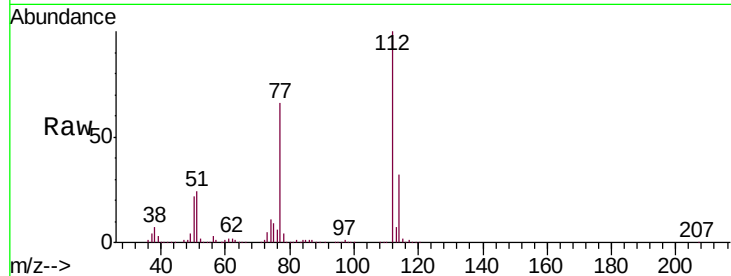




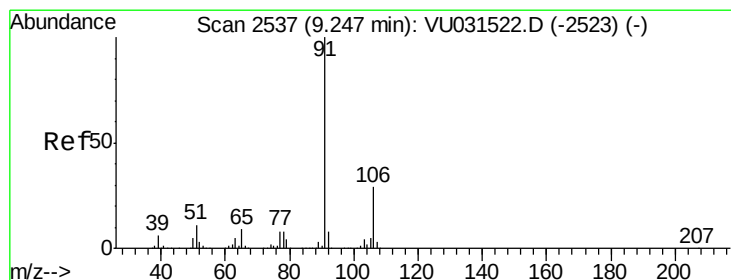
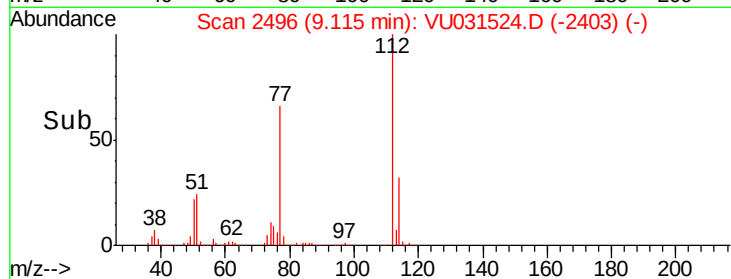
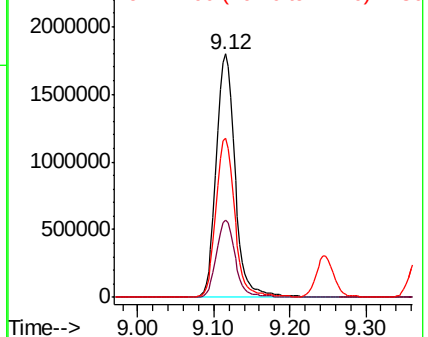
#51
Chlorobenzene
Concen: 225.409 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

Tgt Ion: 112 Resp: 3084955
Ion Ratio Lower Upper
112 100
114 32.0 23.3 43.3
77 65.6 53.0 79.4

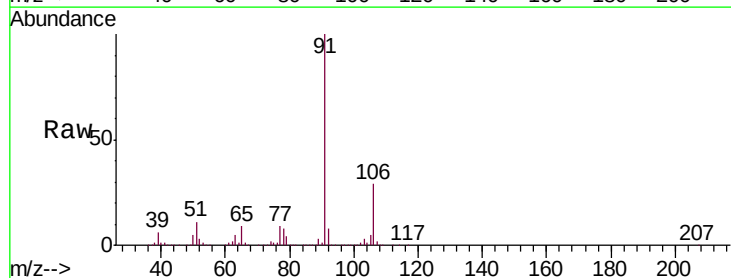


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

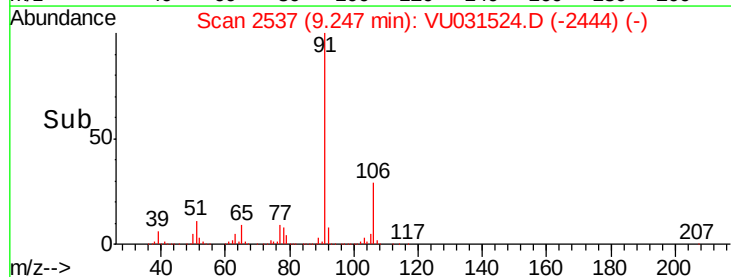
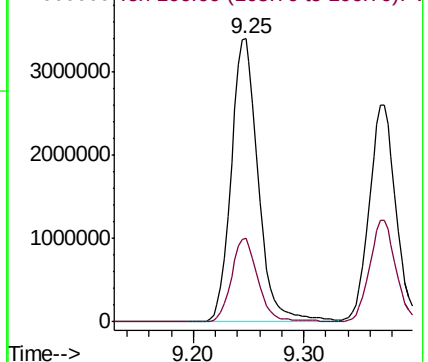


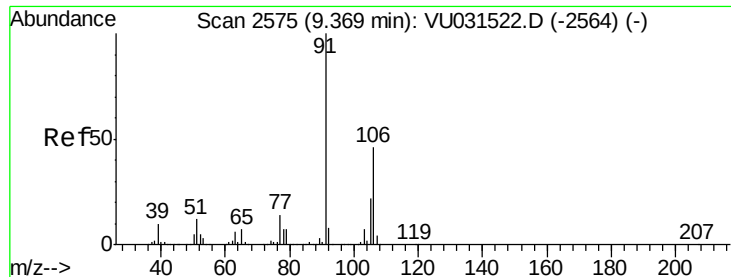
#52
Ethylbenzene
Concen: 242.172 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU031524.D
Acq: 26 Apr 2019 11:48

Tgt Ion: 91 Resp: 5769308
Ion Ratio Lower Upper
91 100
106 29.4 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 241.836 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

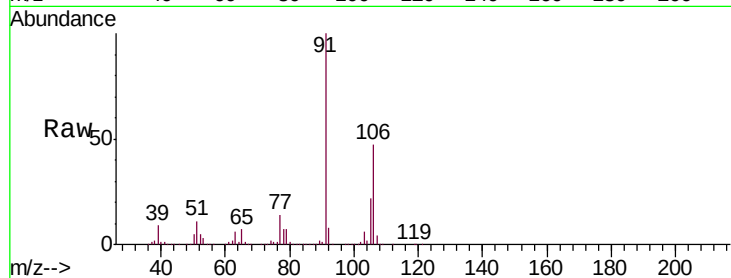
VSTD20053

Tgt Ion:106 Resp: 2067000

Ion Ratio Lower Upper

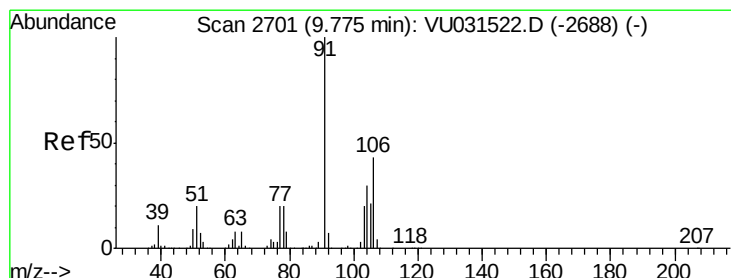
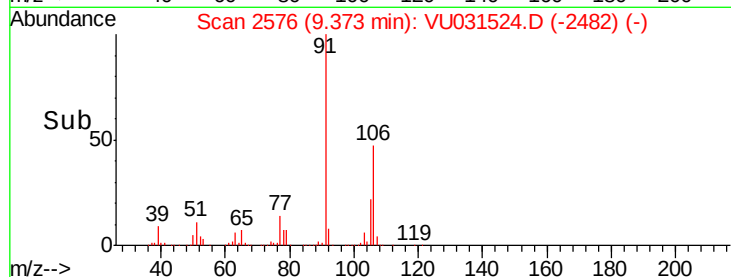
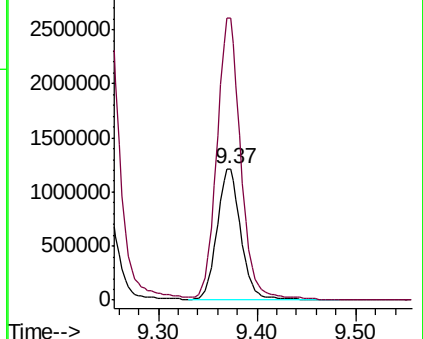
106 100

91 214.1 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 234.097 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031524.D

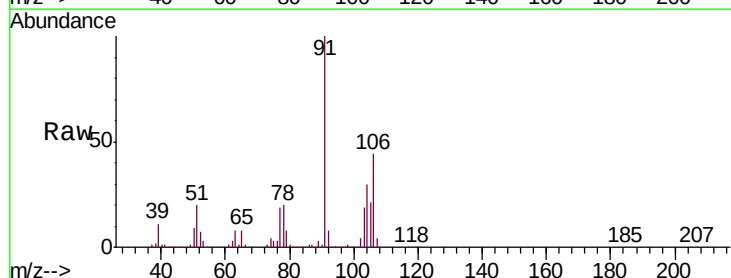
Acq: 26 Apr 2019 11:48

Tgt Ion:106 Resp: 2019206

Ion Ratio Lower Upper

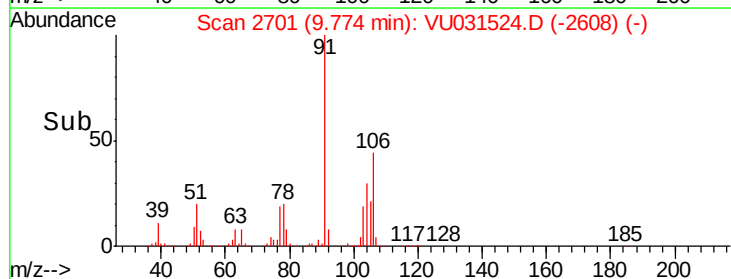
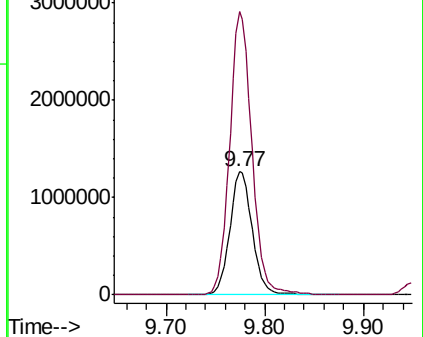
106 100

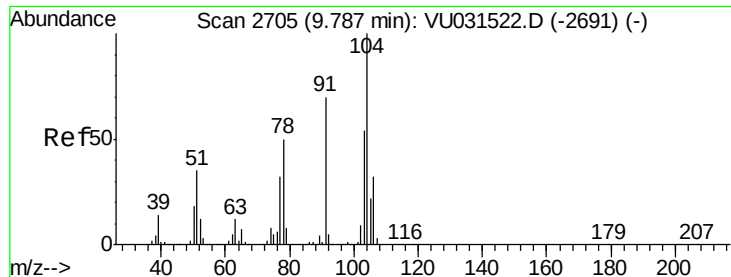
91 229.6 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 242.170 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

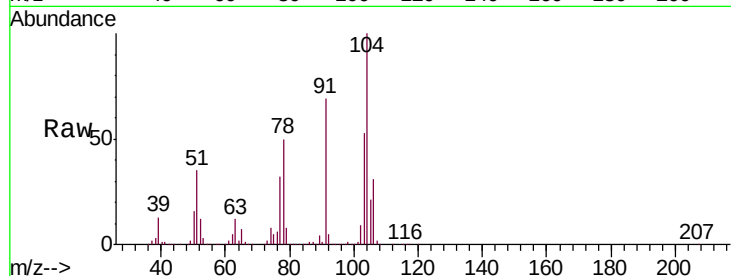
VSTD20053

Tgt Ion:104 Resp: 3516420

Ion Ratio Lower Upper

104 100

78 50.1 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

2500000 Ion 78.00 (77.70 to 78.70): VU0

2000000

1500000

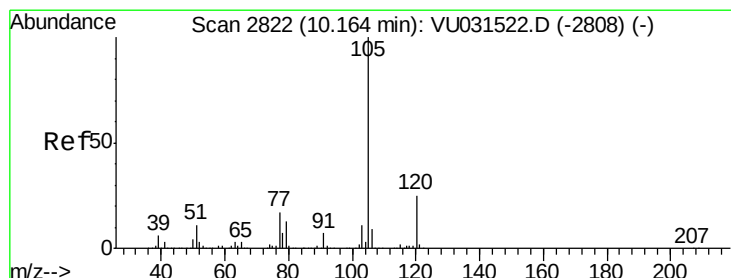
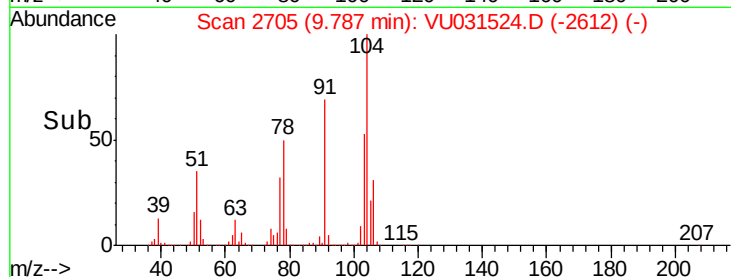
1000000

500000

0

9.70 9.80 9.90

Time-->



#56

Isopropylbenzene

Concen: 239.172 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

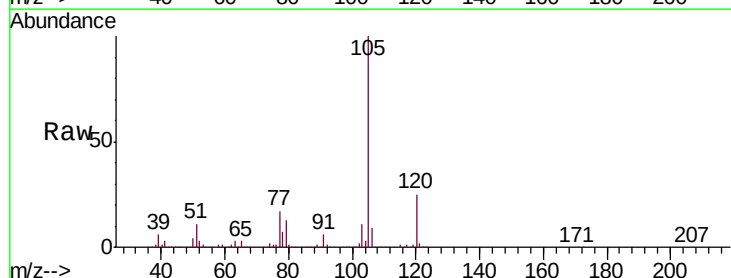
Tgt Ion:105 Resp: 5313188

Ion Ratio Lower Upper

105 100

120 24.9 20.1 30.1

77 16.6 13.8 20.6



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): VU0

4000000

3000000

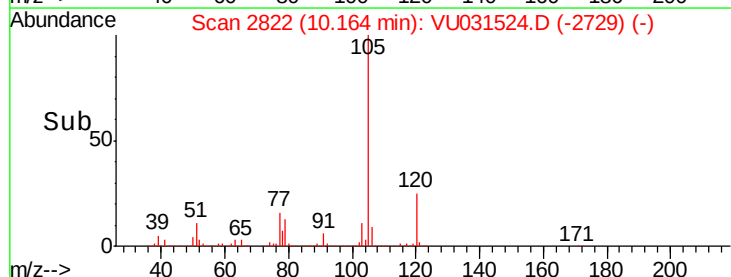
2000000

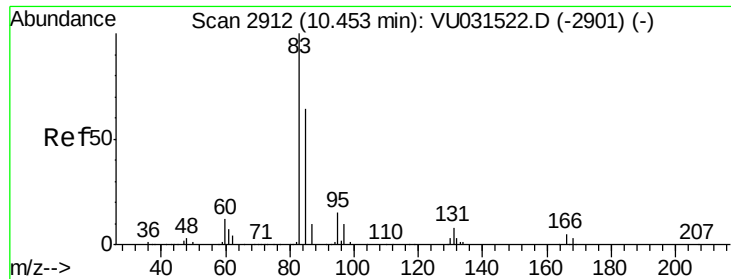
1000000

0

10.10 10.20 10.30

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 236.071 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

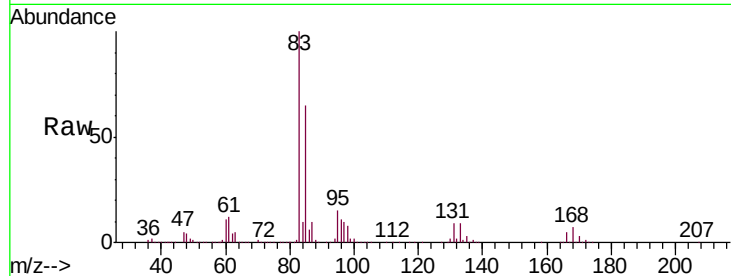
Tgt Ion: 83 Resp: 2152789

Ion	Ratio	Lower	Upper
83	100		
85	64.5	46.0	85.4
131	8.8	7.3	10.9

83 100

85 64.5 46.0 85.4

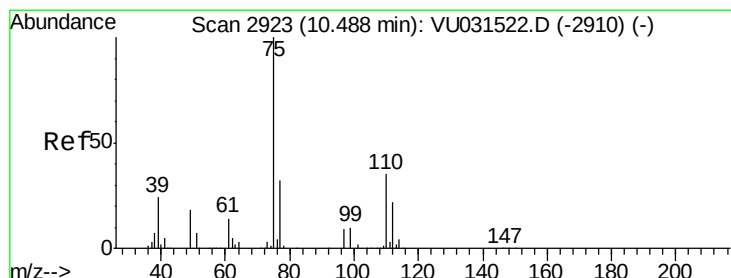
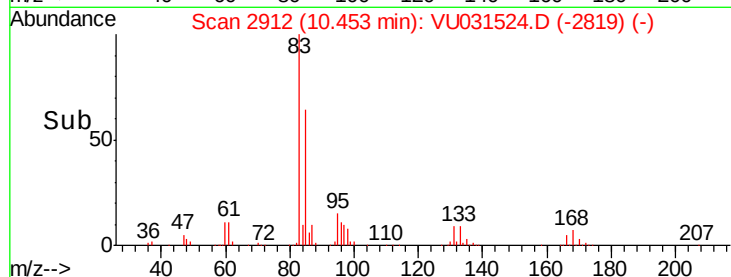
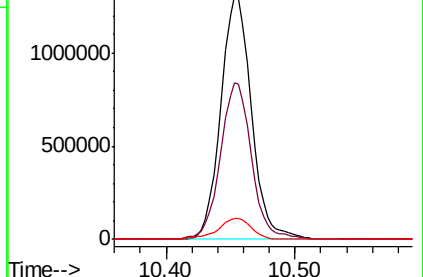
131 8.8 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VU031522.D (-2901) (-)

Ion 85.00 (84.70 to 85.70): VU031522.D (-2901) (-)

Ion 131.00 (130.70 to 131.70): VU031522.D (-2901) (-)



#59

1,2,3-Trichloropropane

Concen: 237.439 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031524.D

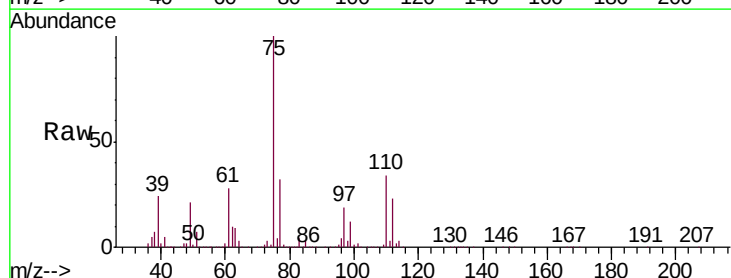
Acq: 26 Apr 2019 11:48

Tgt Ion: 75 Resp: 1695604

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.9	38.9

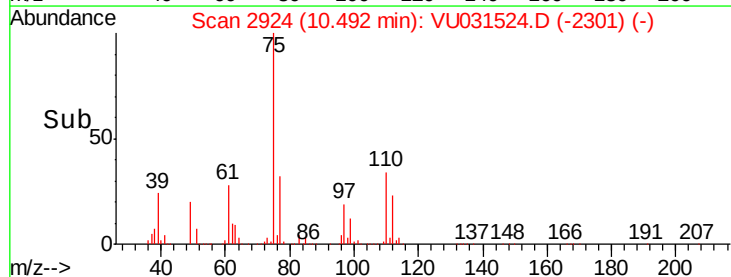
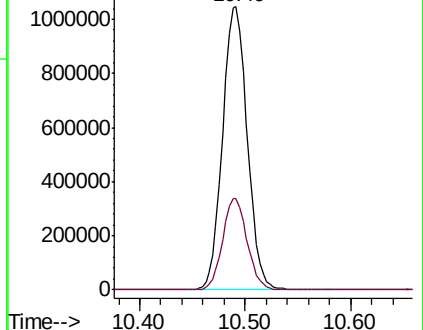
75 100

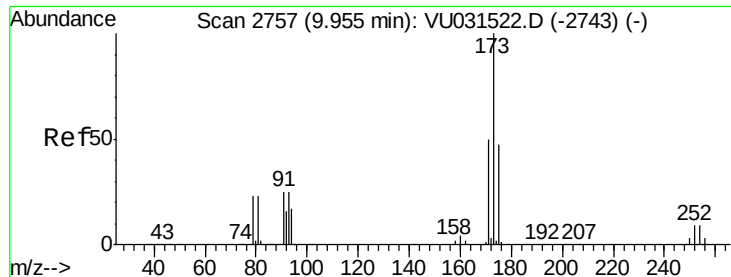
77 31.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU031522.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU031522.D (-2910) (-)





#61

Bromoform

Concen: 217.102 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

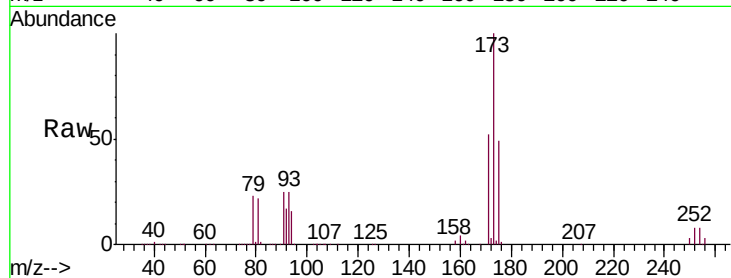
Tgt Ion:173 Resp: 941546

Ion Ratio Lower Upper

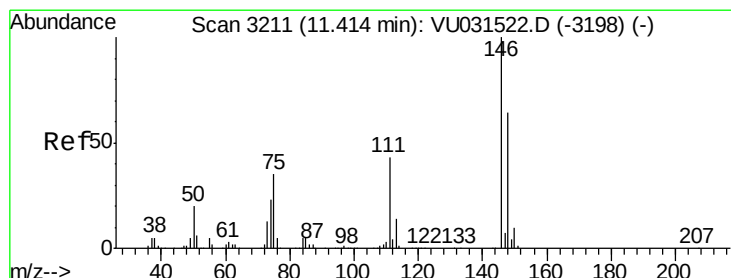
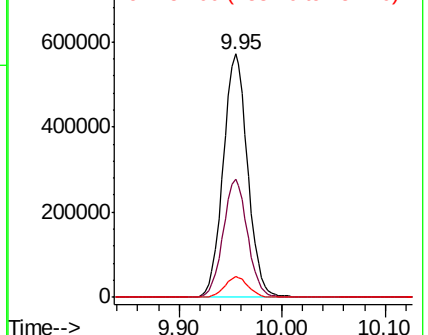
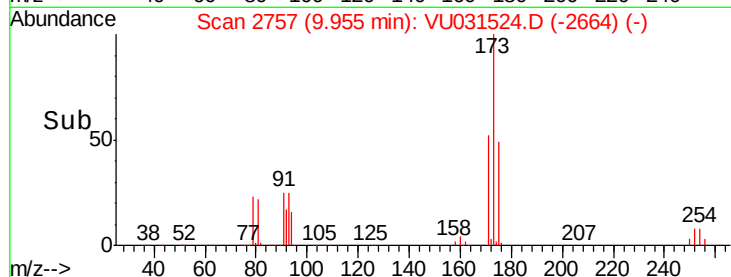
173 100

175 48.6 38.3 57.5

254 8.3 6.6 9.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 216.787 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031524.D

Acq: 26 Apr 2019 11:48

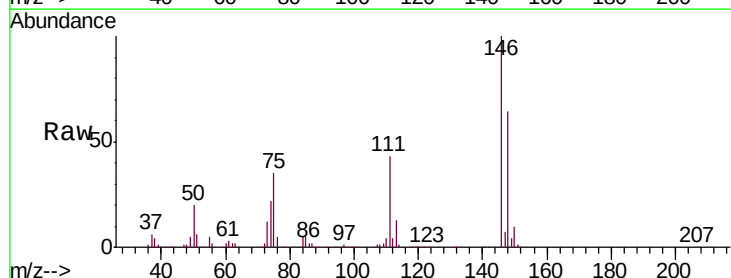
Tgt Ion:146 Resp: 2212915

Ion Ratio Lower Upper

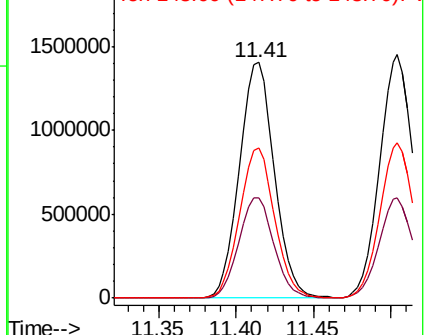
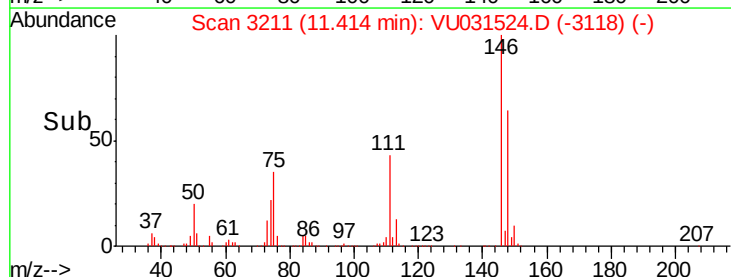
146 100

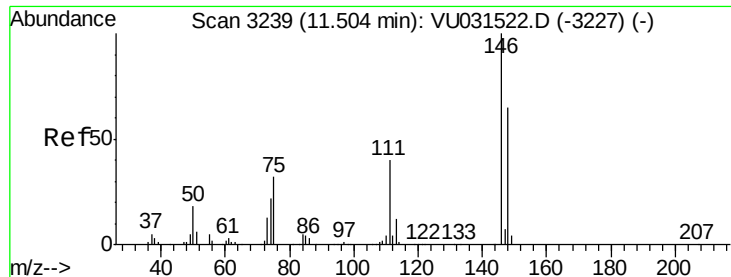
111 42.8 29.8 55.4

148 64.0 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

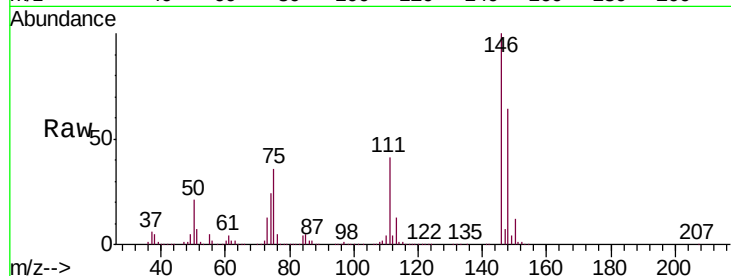




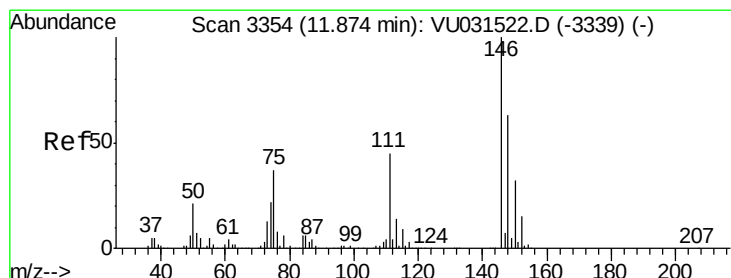
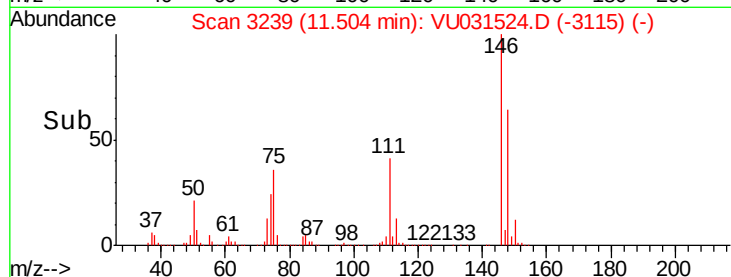
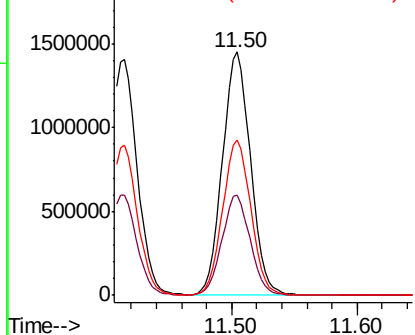
#63
 1,4-Dichlorobenzene
 Concen: 220.199 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

Tgt Ion:146 Resp: 2253464
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.2 52.4
 148 64.0 45.4 84.4

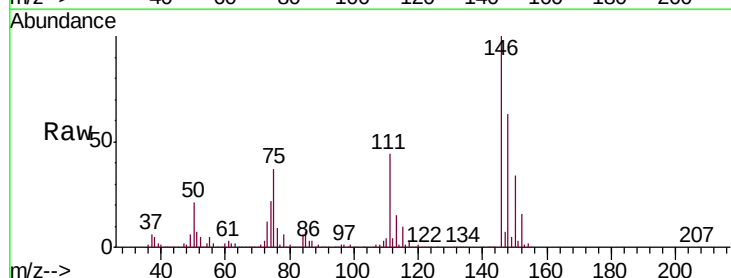


Abundance Ion 146.00 (145.70 to 146.70): V
 2000000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

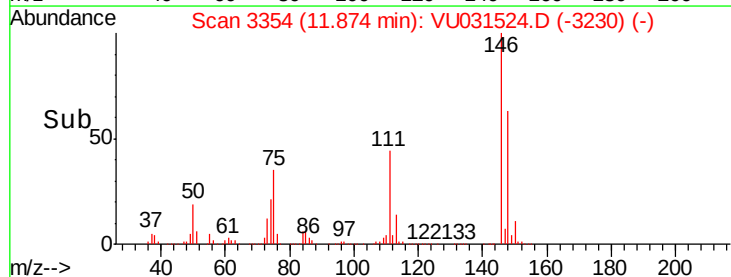
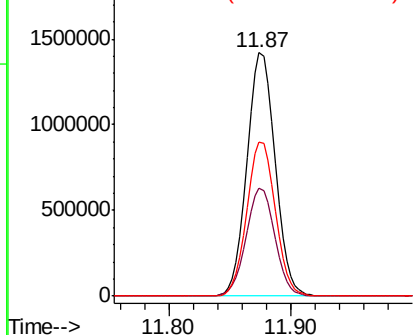


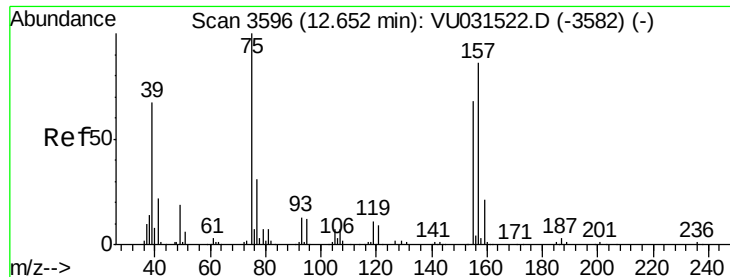
#65
 1,2-Dichlorobenzene
 Concen: 214.504 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

Tgt Ion:146 Resp: 2255348
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.9 53.9
 148 63.5 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V
 1500000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

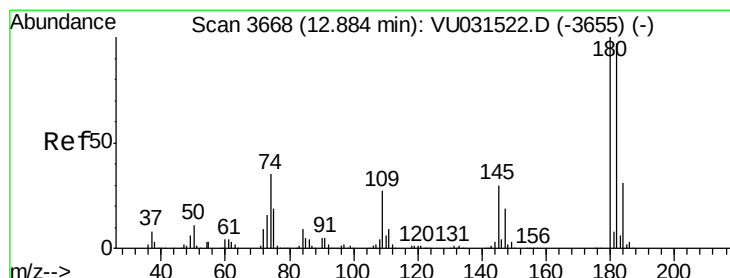
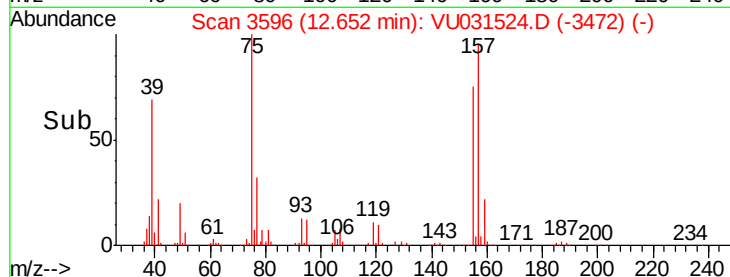
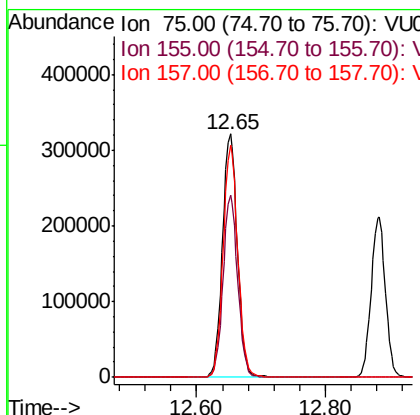
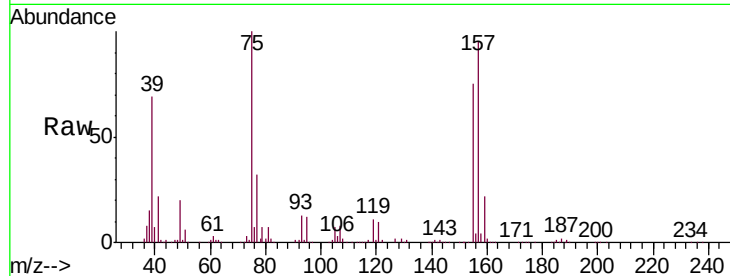




#66
 1,2-Dibromo-3-chloropropane
 Concen: 254.938 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

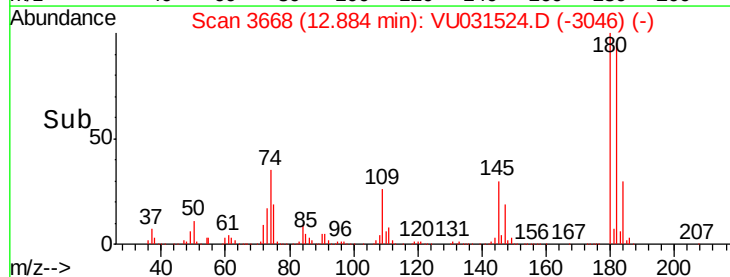
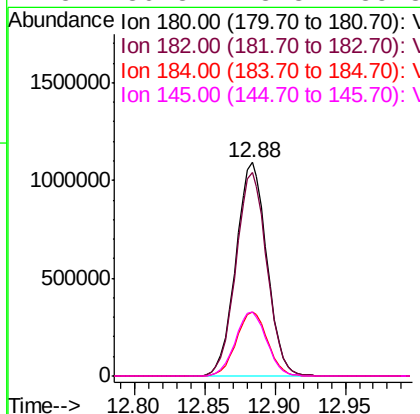
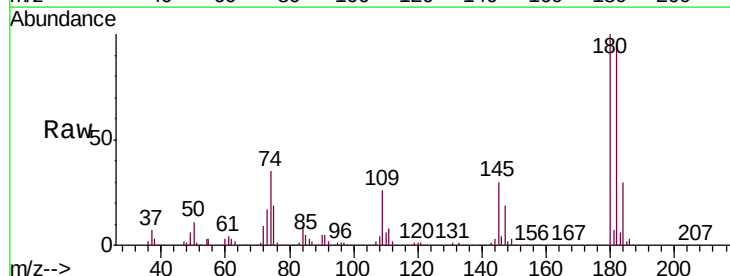
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

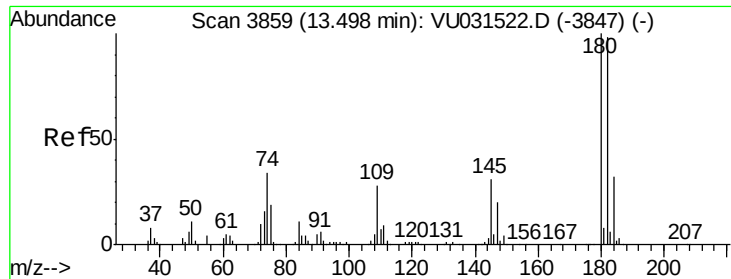
Tgt Ion: 75 Resp: 522083
 Ion Ratio Lower Upper
 75 100
 155 74.8 54.0 81.0
 157 95.3 69.1 103.7



#67
 1,3,5-Trichlorobenzene
 Concen: 224.719 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

Tgt Ion: 180 Resp: 1680519
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.3 115.9
 184 30.2 24.4 36.6
 145 30.3 23.8 35.8

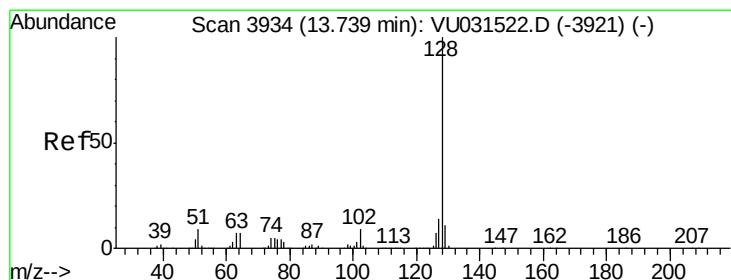
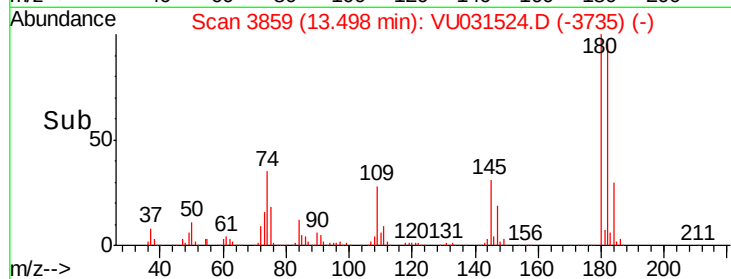
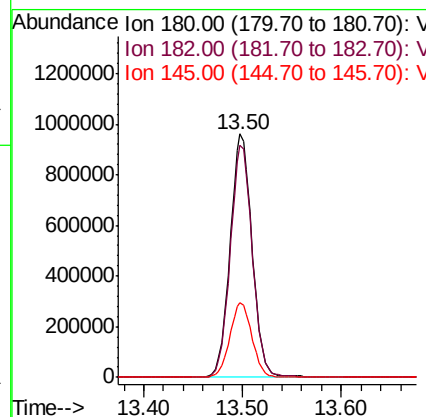
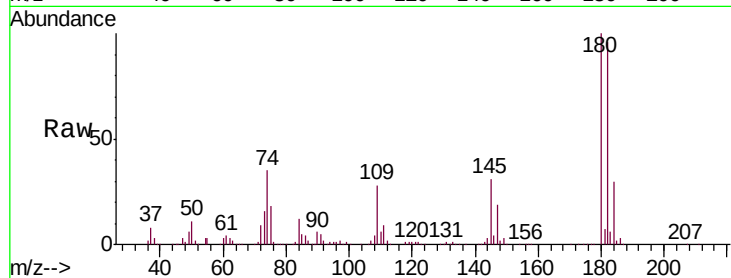




#68
 1,2,4-trichlorobenzene
 Concen: 249.594 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

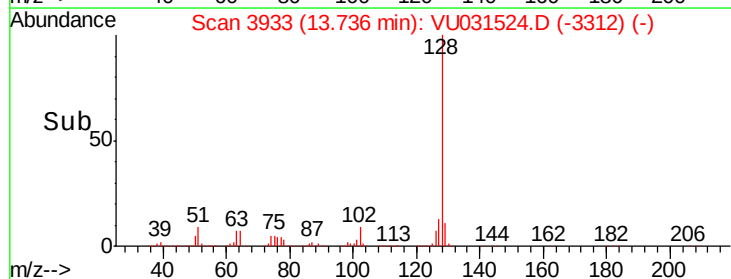
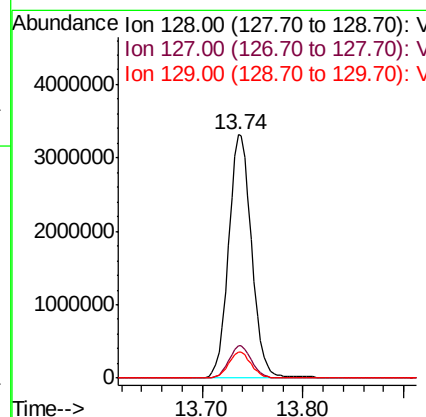
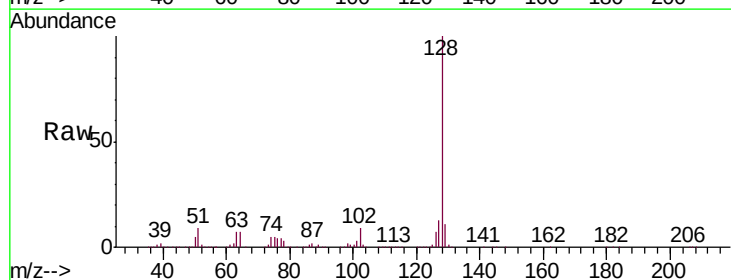
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

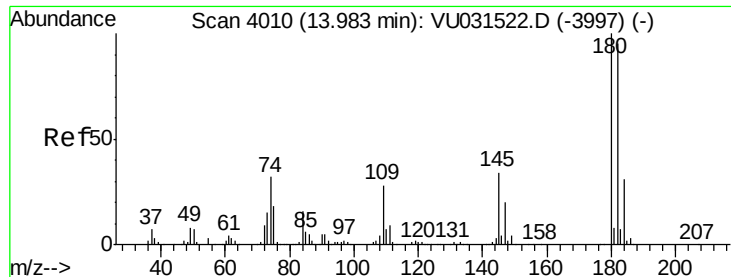
Tgt Ion:180 Resp: 1499957
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.8 113.8
 145 30.9 24.5 36.7



#69
 Naphthalene
 Concen: 253.645 ug/L
 RT: 13.74 min Scan# 3933
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

Tgt Ion:128 Resp: 5289280
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.6 15.8
 129 10.6 8.7 13.1





#70
 1,2,3-Trichlorobenzene
 Concen: 234.423 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU031524.D
 Acq: 26 Apr 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

Tgt Ion:180 Resp: 1531235
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.1 114.1
 145 32.8 26.0 39.0

