

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082118\
 Data File : VU026221.D
 Acq On : 21 Aug 2018 10:20
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Quant Time: Aug 22 00:18:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 18 01:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	139715	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	137794	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73718	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37825	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	1.68	69	31564	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.28	63	78861	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	4.19	46	109956	52.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.38%
24) Chloroform-d	4.65	84	79635	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.31	65	46092	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.34	84	164957	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.33	67	51272	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.57	98	164127	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	7.85	79	22174	5.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.60%
46) 2-Hexanone-d5	8.31	63	97077	56.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	44529	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	65391	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	64228	5.077 ug/L	97
3) Chloromethane	1.33	50	57801	4.855 ug/L	99
5) Vinyl chloride	1.40	62	59616	5.189 ug/L	97
6) Bromomethane	1.63	94	30939	4.922 ug/L	92
8) Chloroethane	1.70	64	33098	5.055 ug/L	97
9) Trichlorofluoromethane	1.89	101	86623	5.289 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	46505	5.277 ug/L	99
12) 1,1-Dichloroethene	2.29	96	42321	5.211 ug/L	90
13) Acetone	2.32	43	76459	54.798 ug/L	99
14) Carbon disulfide	2.48	76	146457	5.094 ug/L	100
15) Methyl Acetate	2.62	43	19517	5.188 ug/L	96
16) Methylene chloride	2.70	84	47786	4.963 ug/L	96
17) Methyl tert-butyl Ether	3.00	73	108702	5.453 ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	46299	5.173 ug/L	99
19) 1,1-Dichloroethane	3.45	63	97308	5.794 ug/L	99
21) 2-Butanone	4.27	43	132100	53.944 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	54950	4.949 ug/L	96

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 Data File : VU026221.D
 Acq On : 21 Aug 2018 10:20
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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Quant Time: Aug 22 00:18:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 18 01:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

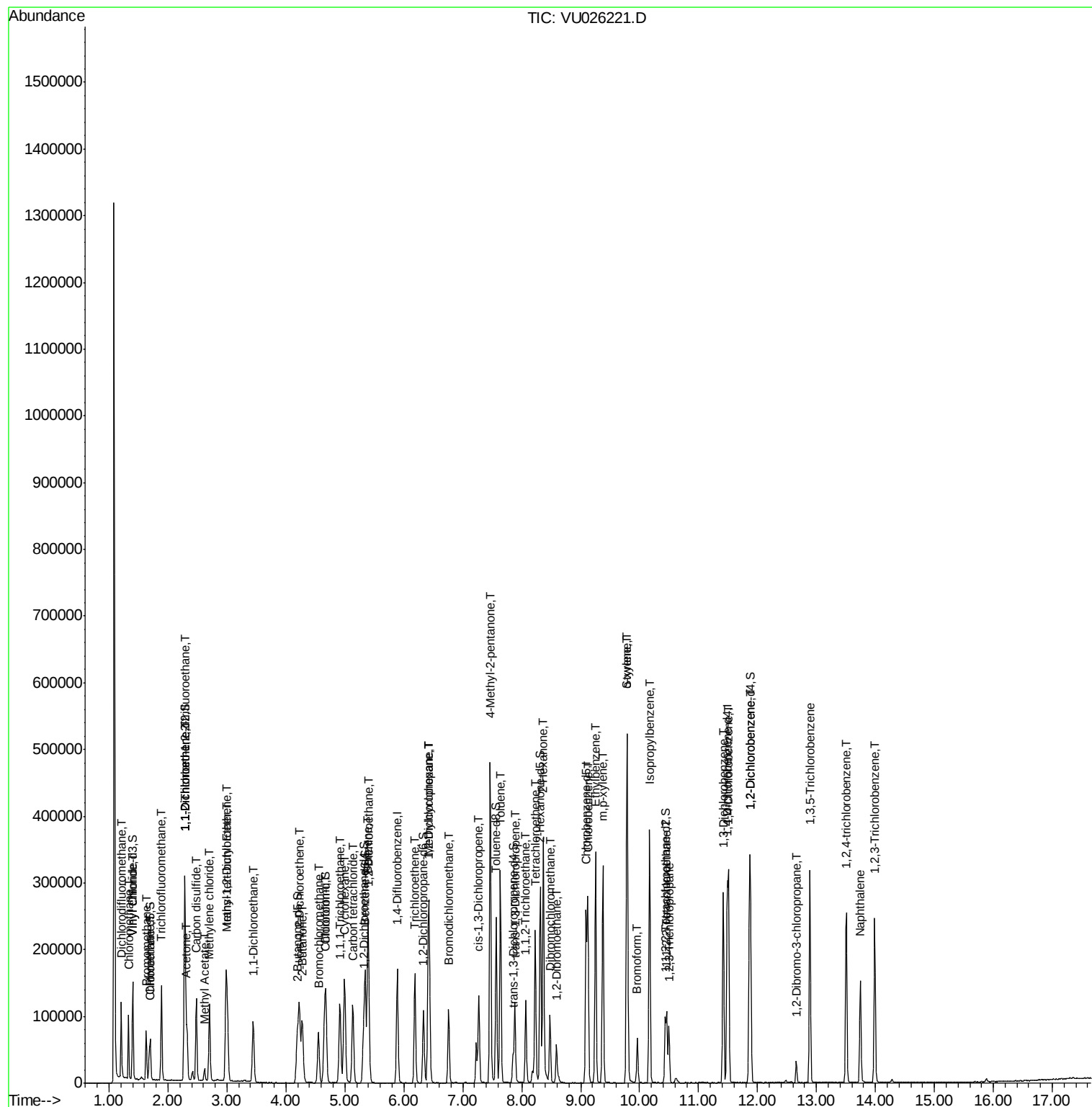
23) Bromochloromethane	4.55	128	26108	5.206	ug/L	94
25) Chloroform	4.68	83	111167	5.435	ug/L	100
27) 1,2-Dichloroethane	5.41	62	65047	5.353	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	92520	5.184	ug/L	98
30) Cyclohexane	4.99	56	76003	5.003	ug/L	99
31) Carbon tetrachloride	5.13	117	86052	5.300	ug/L	99
33) Benzene	5.39	78	209201	5.230	ug/L	100
34) Trichloroethene	6.19	95	56105	5.209	ug/L	98
35) Methylcyclohexane	6.42	83	83286	5.217	ug/L	97
37) 1,2-Dichloropropane	6.44	63	54320	5.048	ug/L #	93
38) Bromodichloromethane	6.76	83	71923	5.274	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	74423	5.287	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	308893	53.440	ug/L	97
42) Toluene	7.64	91	226955	5.377	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	65580	5.408	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	38383	5.208	ug/L	96
47) Tetrachloroethene	8.23	164	49079	5.208	ug/L	99
48) 2-Hexanone	8.36	43	224948	55.759	ug/L	99
49) Dibromochloromethane	8.48	129	52603	5.439	ug/L	97
50) 1,2-Dibromoethane	8.59	107	37044	5.283	ug/L	95
51) Chlorobenzene	9.12	112	146525	5.176	ug/L	97
52) Ethylbenzene	9.25	91	229706	5.165	ug/L	100
53) m,p-xylene	9.38	106	92328	5.402	ug/L	100
54) o-xylene	9.78	106	87495	5.349	ug/L	94
55) Styrene	9.80	104	154310	5.542	ug/L	99
56) Isopropylbenzene	10.17	105	230805	5.335	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	48233	5.337	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	33941	5.222	ug/L	94
61) Bromoform	9.96	173	30400	5.387	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	117959	5.108	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	119747	4.917	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	116769	5.102	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	8021	5.089	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	99597	5.539	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	80913	5.811	ug/L	99
69) Naphthalene	13.74	128	123662	5.957	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	75878	5.716	ug/L	99

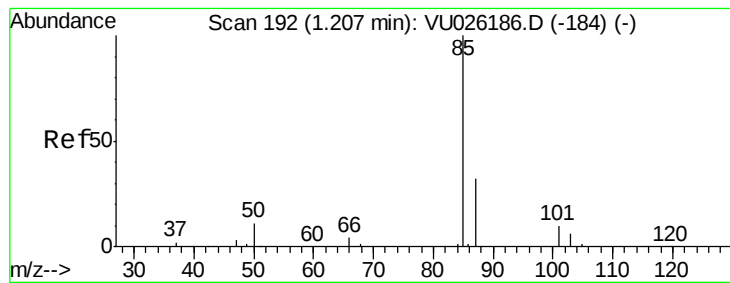
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU026221.D
Acq On : 21 Aug 2018 10:20
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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00541

Quant Time: Aug 22 00:18:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
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#2

Dichlorodifluoromethane

Concen: 5.077 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

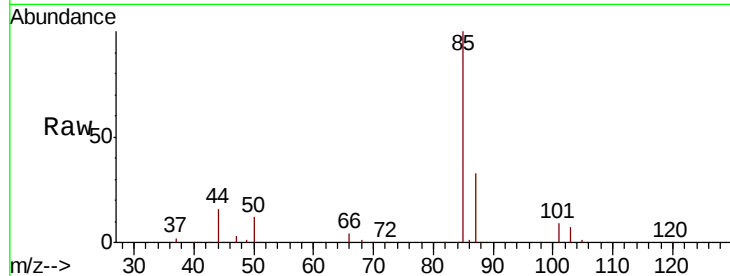
VSTD00541

Tgt Ion: 85 Resp: 64228

Ion Ratio Lower Upper

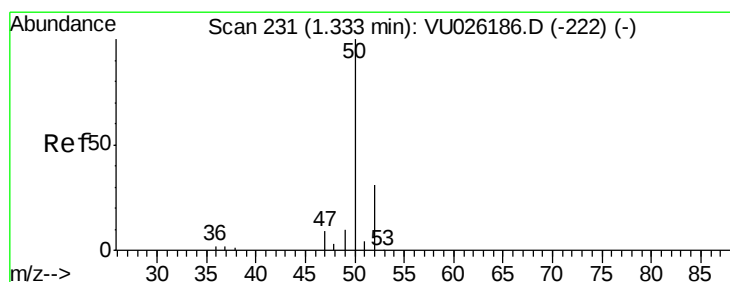
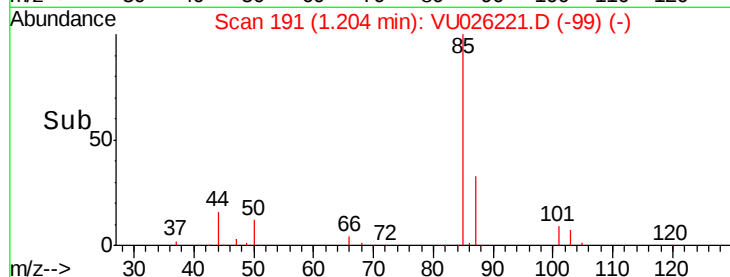
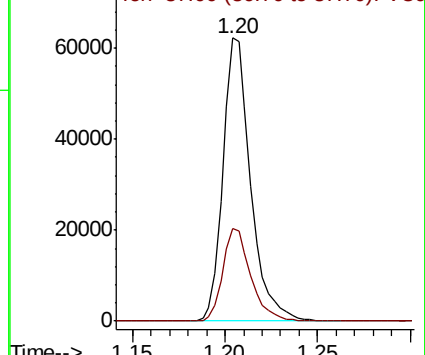
85 100

87 33.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.855 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.01 min

Lab File: VU026221.D

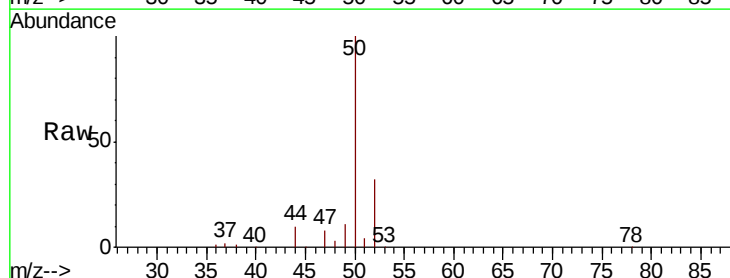
Acq: 21 Aug 2018 10:20

Tgt Ion: 50 Resp: 57801

Ion Ratio Lower Upper

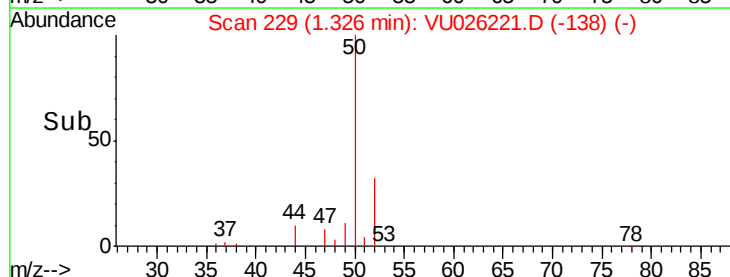
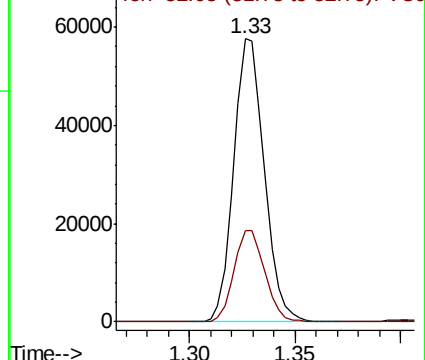
50 100

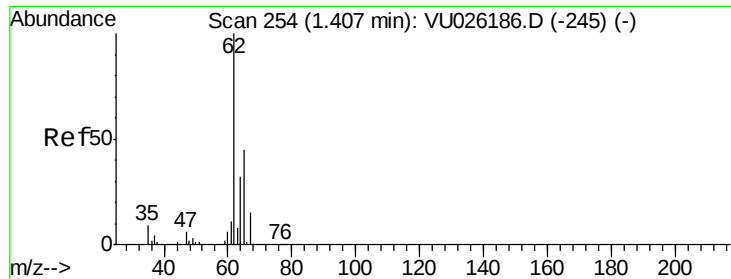
52 32.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.189 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

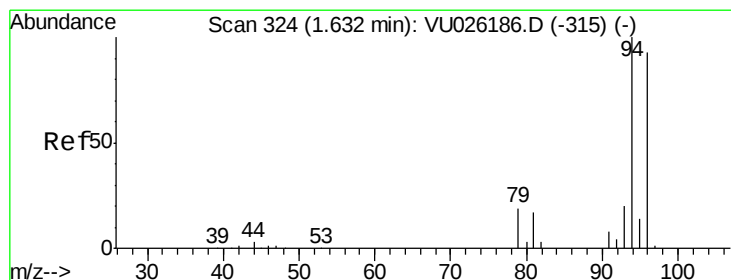
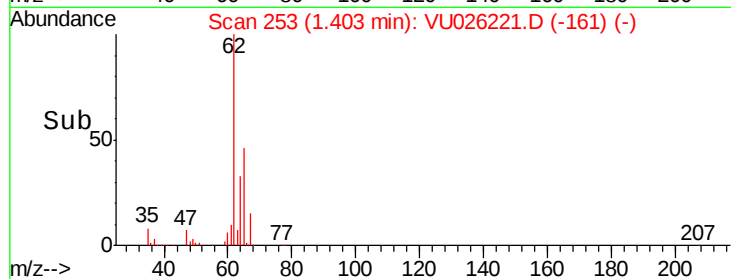
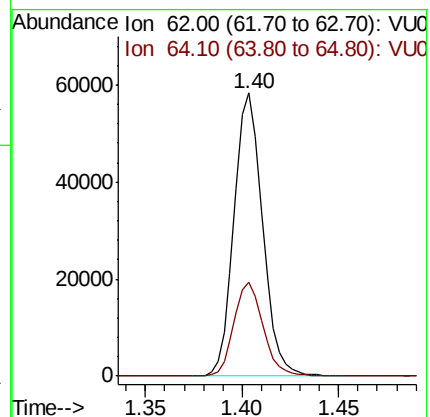
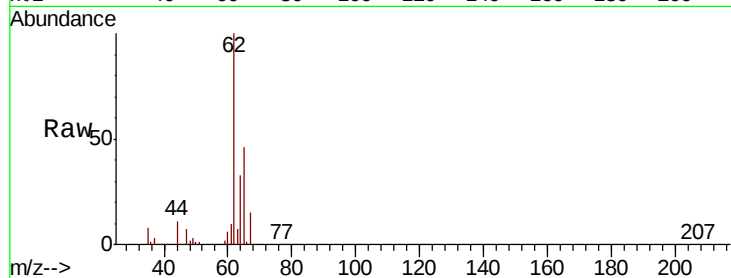
VSTD00541

Tgt Ion: 62 Resp: 59616

Ion Ratio Lower Upper

62 100

64 33.1 22.0 40.8



#6

Bromomethane

Concen: 4.922 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU026221.D

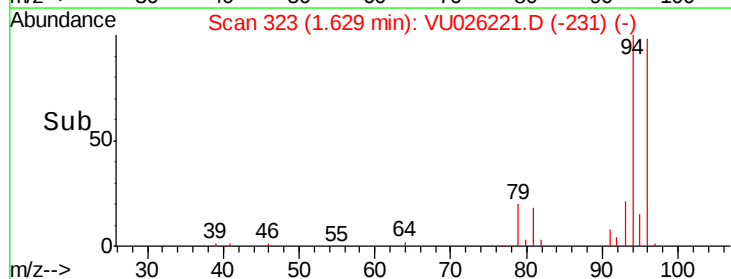
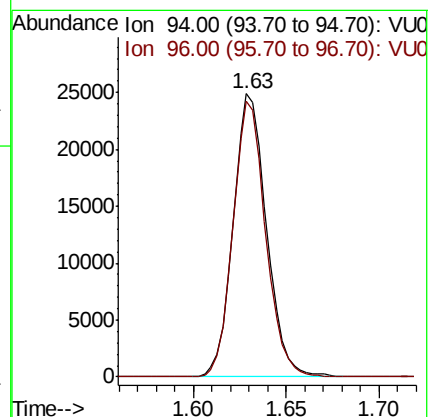
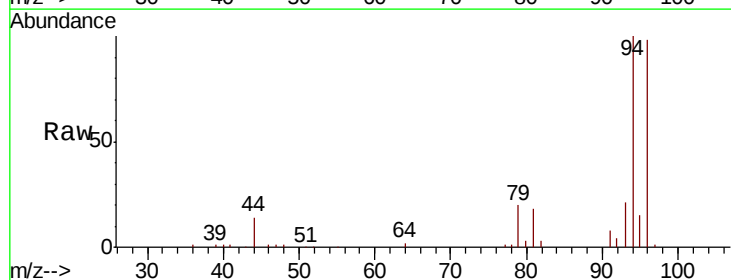
Acq: 21 Aug 2018 10:20

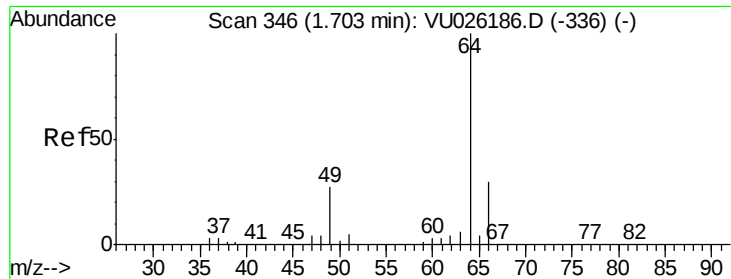
Tgt Ion: 94 Resp: 30939

Ion Ratio Lower Upper

94 100

96 97.6 63.1 117.1





#8

Chloroethane

Concen: 5.055 ug/L

RT: 1.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

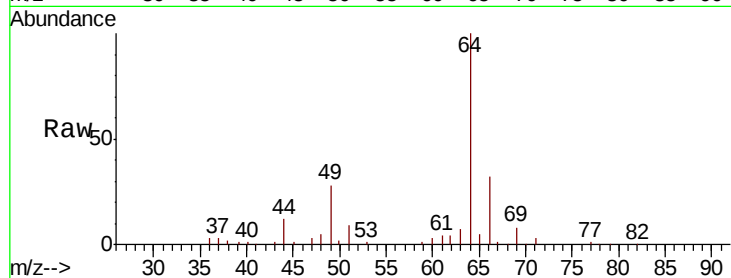
VSTD00541

Tgt Ion: 64 Resp: 33098

Ion Ratio Lower Upper

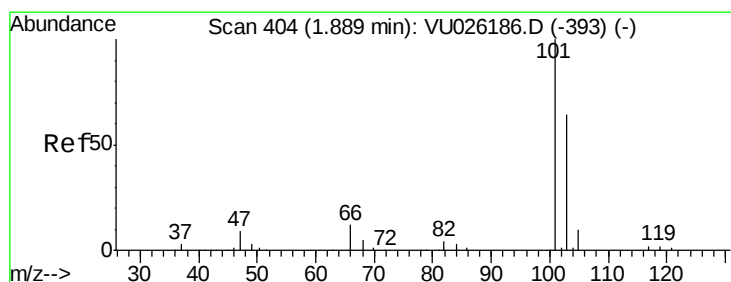
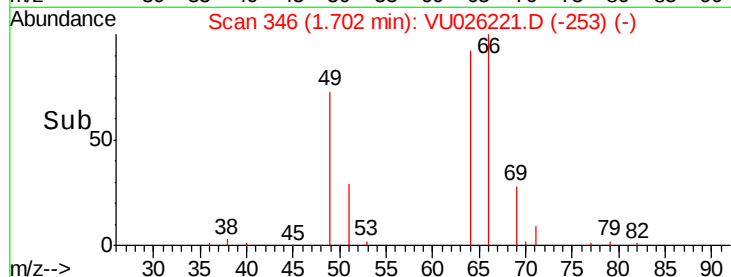
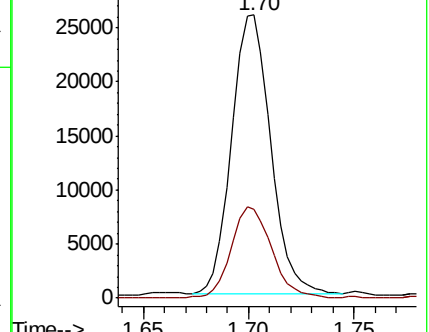
64 100

66 31.5 21.1 39.1



Abundance Ion 64.10 (63.80 to 64.80): VU026186.D (-336) (-)

Ion 66.05 (65.75 to 66.75): VU026186.D (-336) (-)



#9

Trichlorofluoromethane

Concen: 5.289 ug/L

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU026221.D

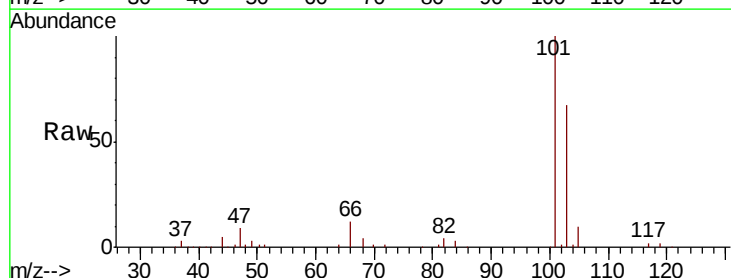
Acq: 21 Aug 2018 10:20

Tgt Ion: 101 Resp: 86623

Ion Ratio Lower Upper

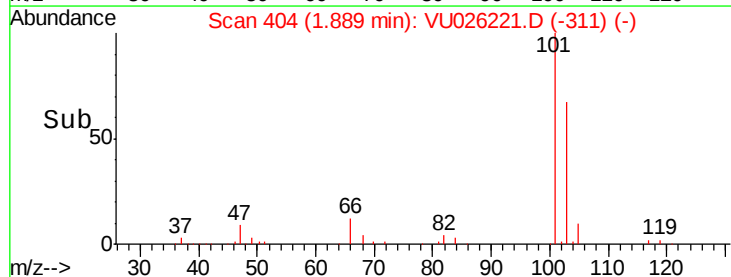
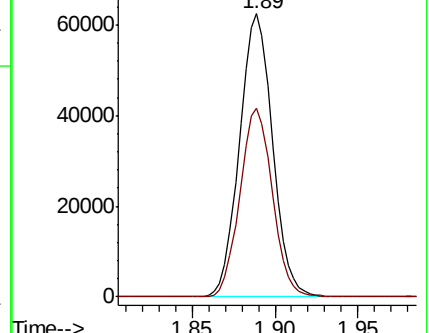
101 100

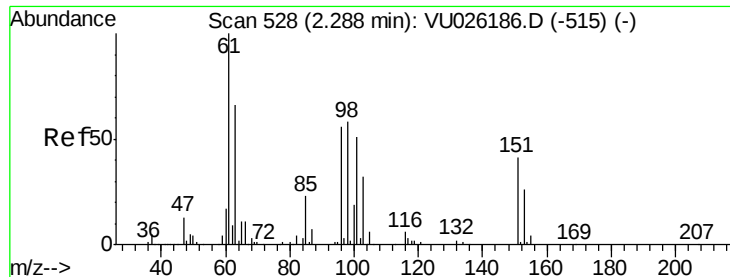
103 65.5 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU026186.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU026186.D (-393) (-)





#10

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

Concen: 5.277 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

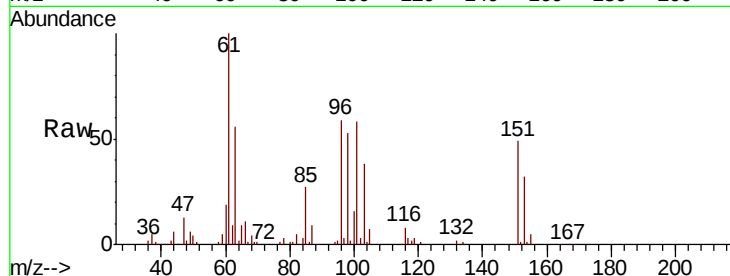
Tgt Ion: 101 Resp: 46505

Ion Ratio Lower Upper

101 100

85 46.0 36.6 54.8

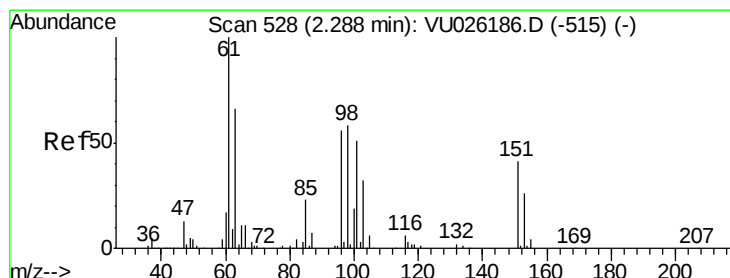
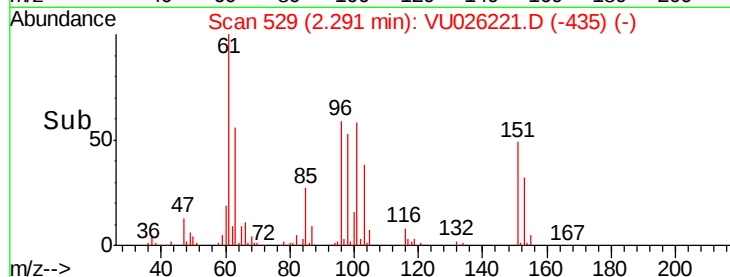
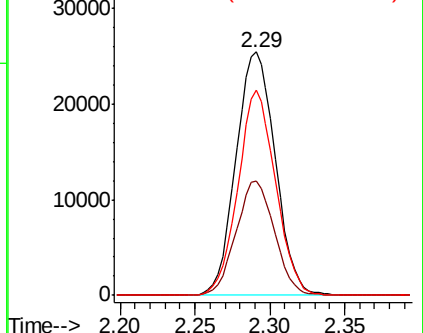
151 80.6 63.4 95.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.211 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

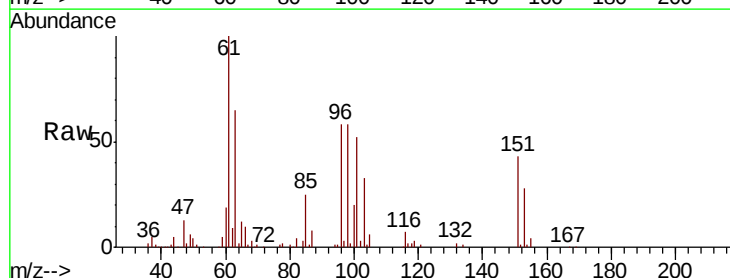
Tgt Ion: 96 Resp: 42321

Ion Ratio Lower Upper

96 100

61 171.7 125.3 232.7

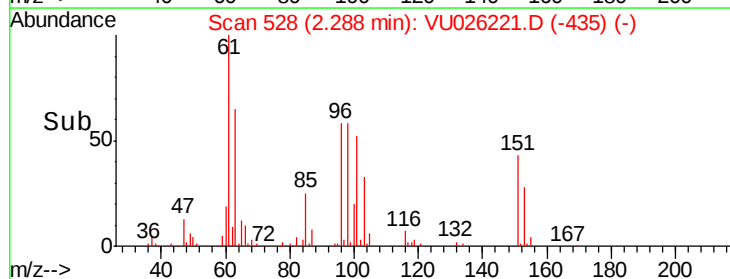
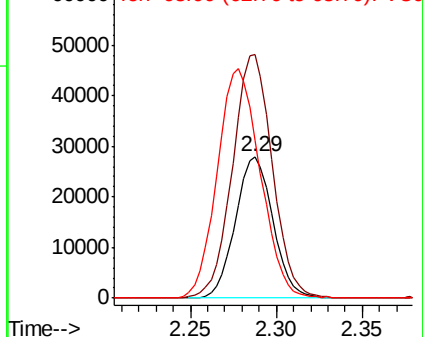
63 111.0 90.9 168.9

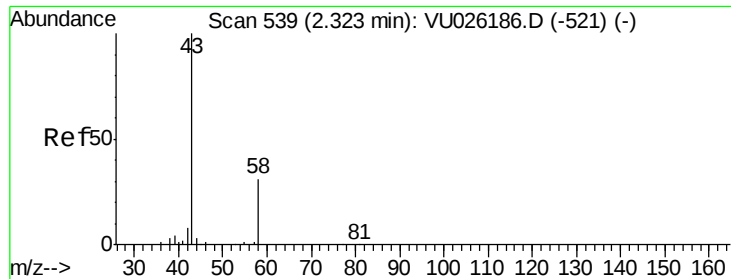


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.798 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

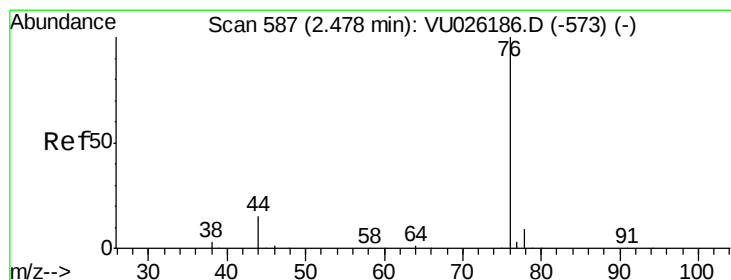
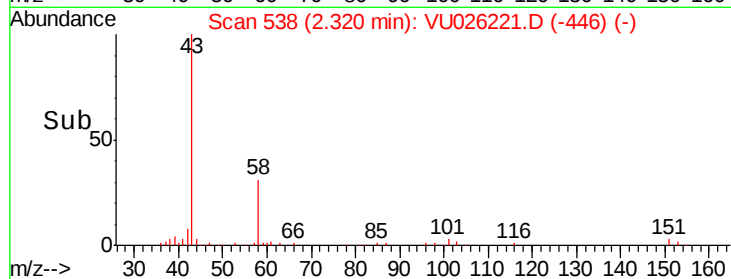
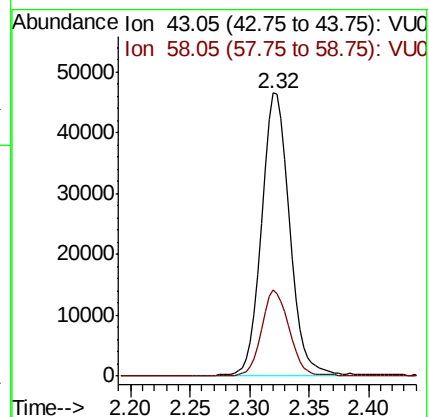
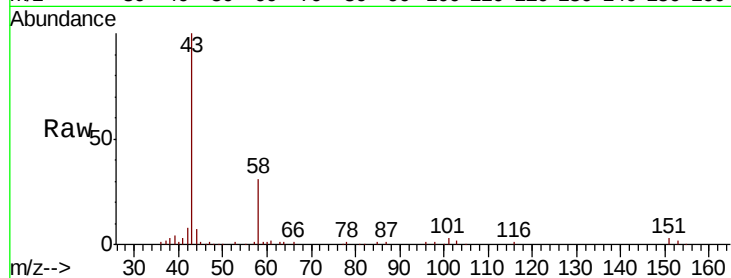
VSTD00541

Tgt Ion: 43 Resp: 76459

Ion Ratio Lower Upper

43 100

58 29.9 0.0 59.0



#14

Carbon disulfide

Concen: 5.094 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU026221.D

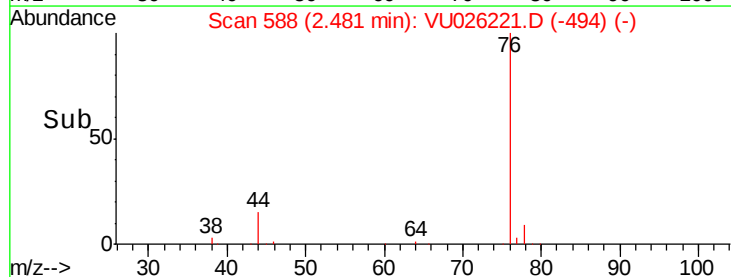
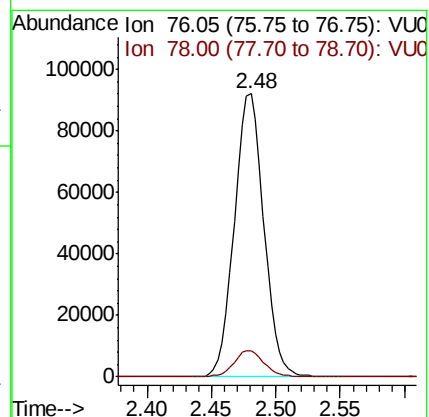
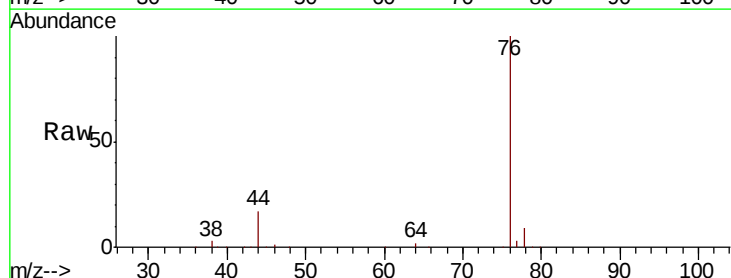
Acq: 21 Aug 2018 10:20

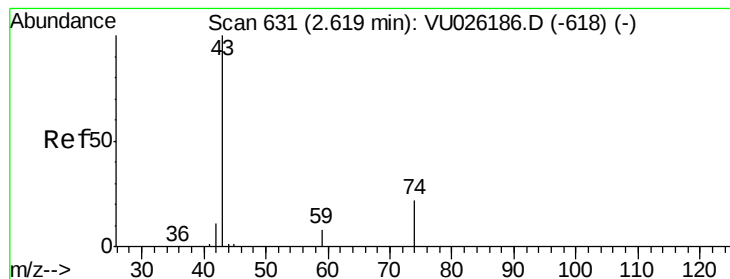
Tgt Ion: 76 Resp: 146457

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 5.188 ug/L

RT: 2.62 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

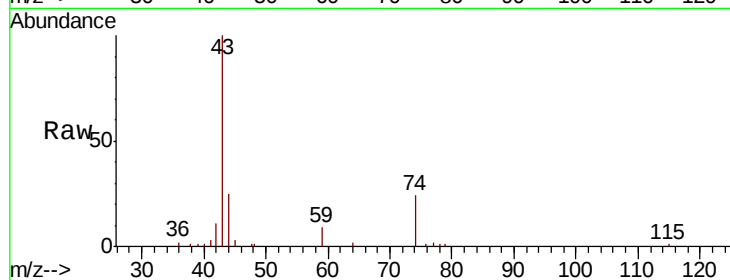
VSTD00541

Tgt Ion: 43 Resp: 19517

Ion Ratio Lower Upper

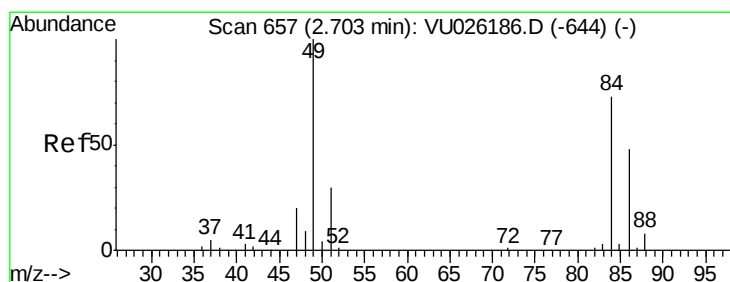
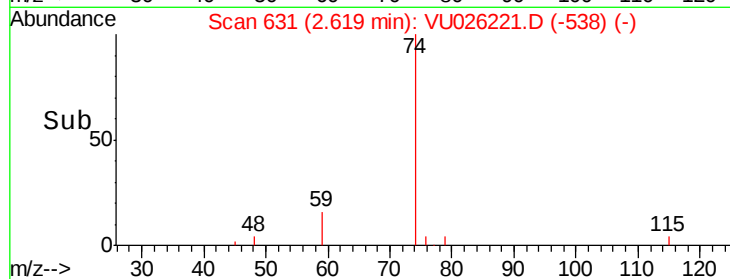
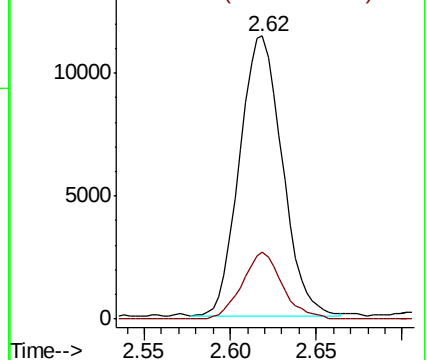
43 100

74 22.6 16.6 24.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.963 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

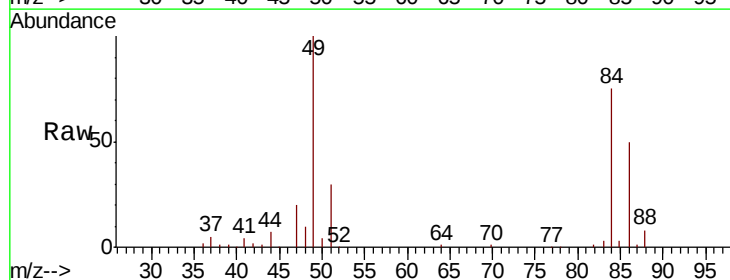
Tgt Ion: 84 Resp: 47786

Ion Ratio Lower Upper

84 100

86 66.8 48.6 90.2

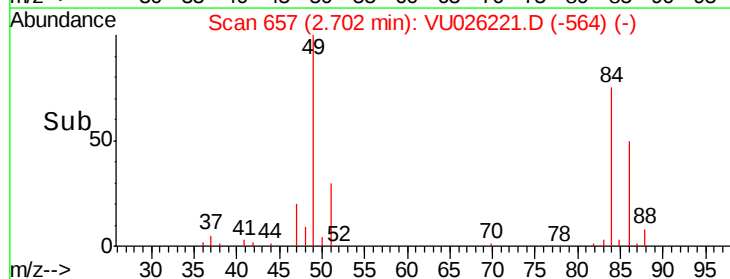
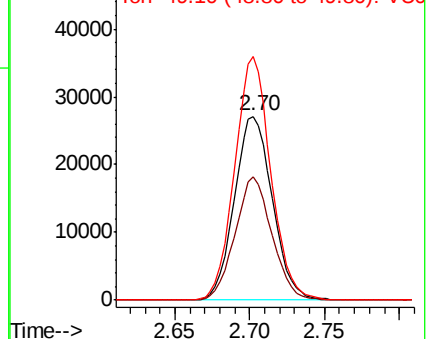
49 132.5 89.0 165.4

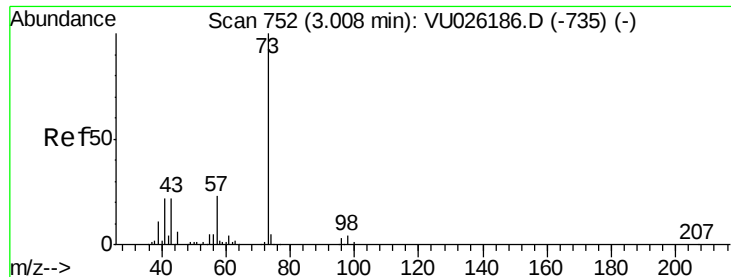


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

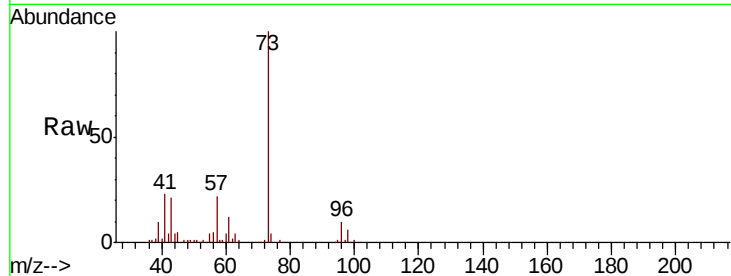




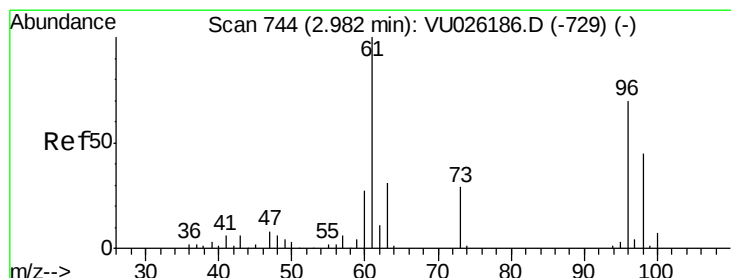
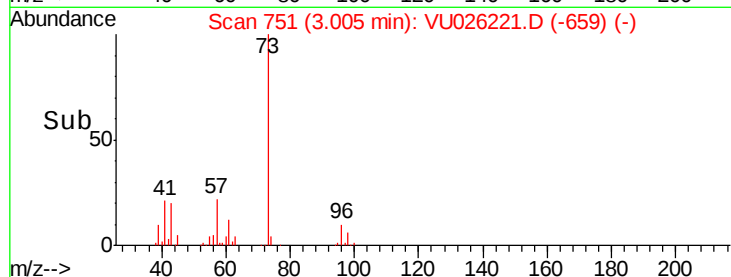
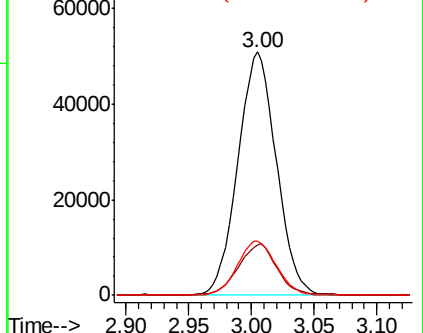
#17
Methyl tert-butyl Ether
Concen: 5.453 ug/L
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026221.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00541

Tgt Ion: 73 Resp: 108702
Ion Ratio Lower Upper
73 100
43 20.7 18.2 27.2
57 22.5 17.5 26.3

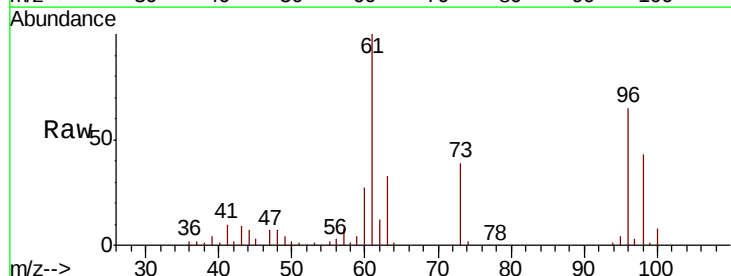


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

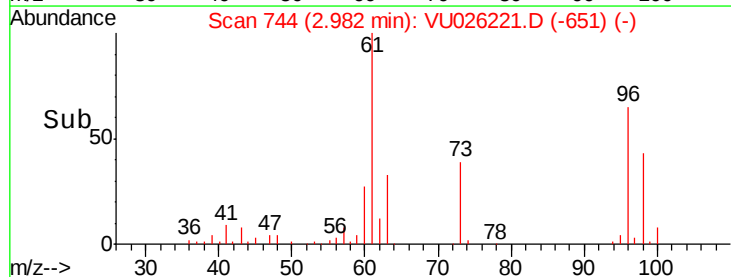
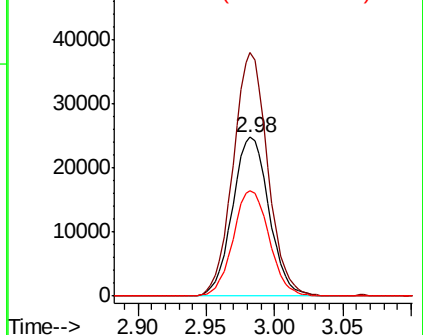


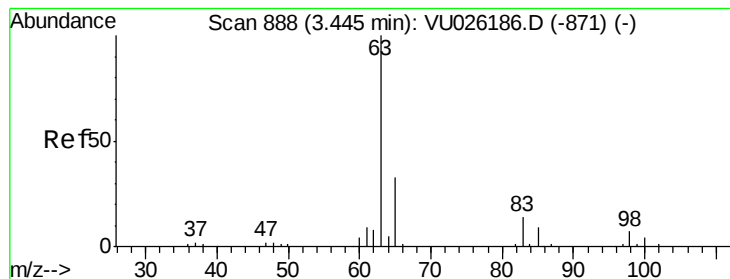
#18
trans-1,2-Dichloroethene
Concen: 5.173 ug/L
RT: 2.98 min Scan# 744
Delta R.T. -0.00 min
Lab File: VU026221.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 96 Resp: 46299
Ion Ratio Lower Upper
96 100
61 153.4 107.0 198.6
98 66.4 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.794 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

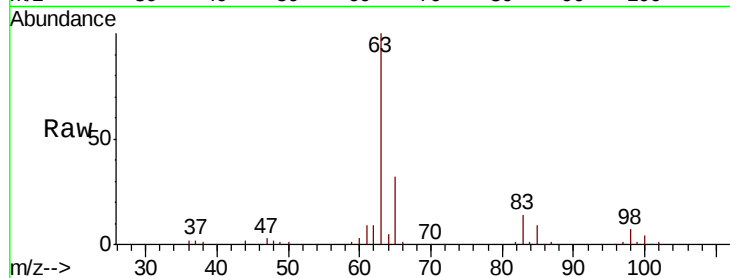
Tgt Ion: 63 Resp: 97308

Ion Ratio Lower Upper

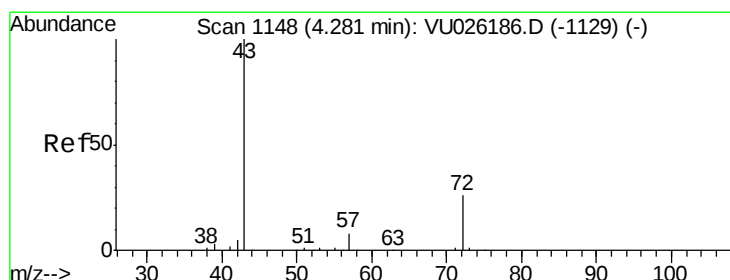
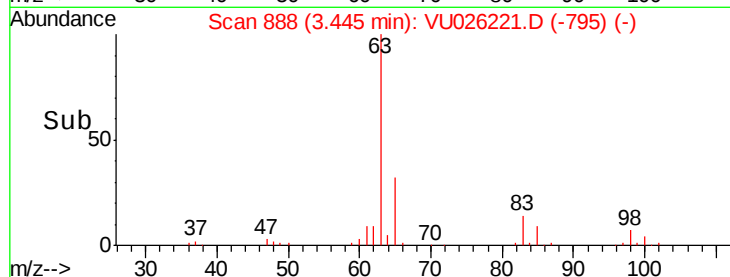
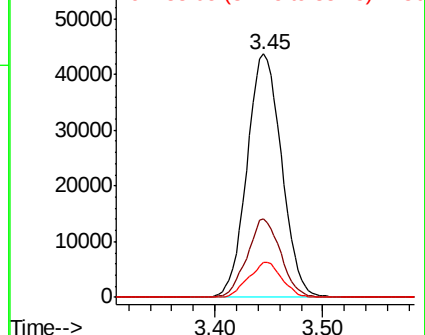
63 100

65 32.2 23.2 43.0

83 14.4 10.1 18.9



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



#21

2-Butanone

Concen: 53.944 ug/L

RT: 4.27 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VU026221.D

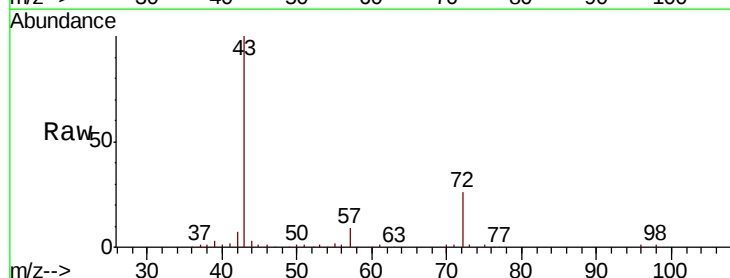
Acq: 21 Aug 2018 10:20

Tgt Ion: 43 Resp: 132100

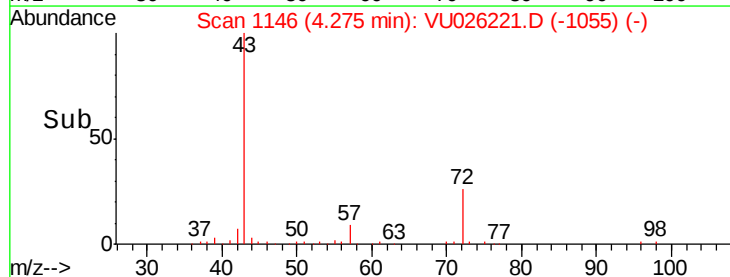
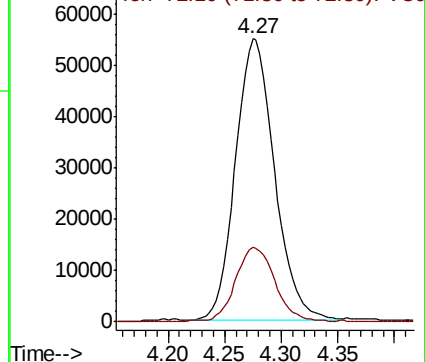
Ion Ratio Lower Upper

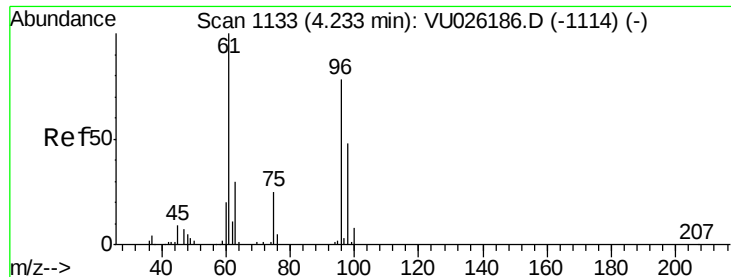
43 100

72 27.1 13.3 39.9



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





#22

cis-1,2-Dichloroethene

Concen: 4.949 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

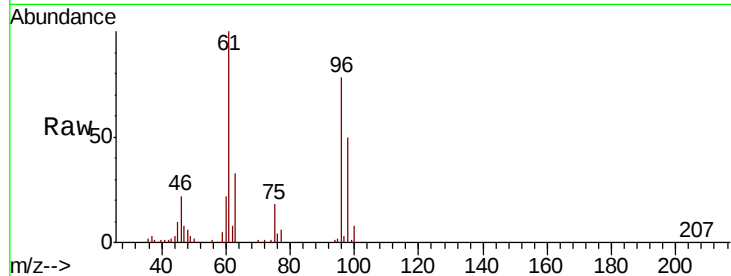
Tgt Ion: 96 Resp: 54950

Ion Ratio Lower Upper

96 100

61 128.8 87.1 161.7

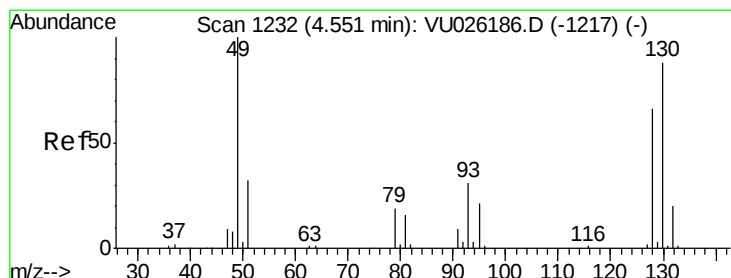
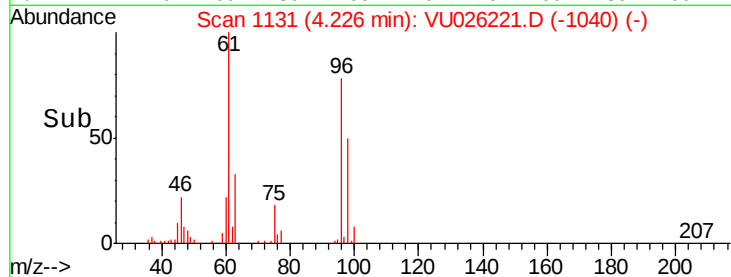
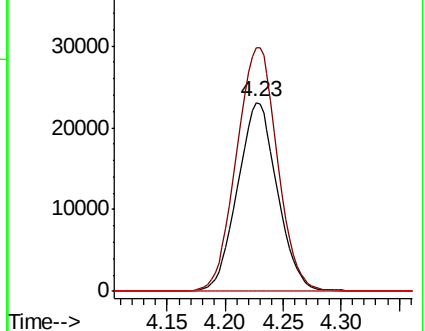
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.206 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Tgt Ion: 128 Resp: 26108

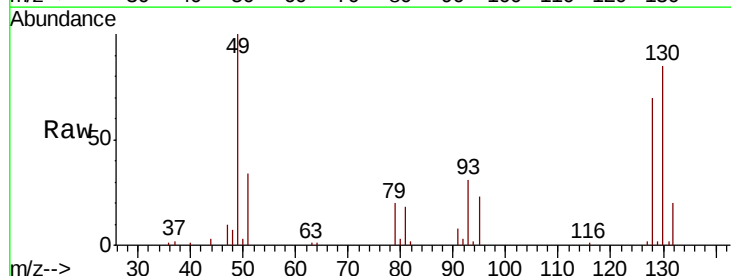
Ion Ratio Lower Upper

128 100

49 141.9 107.6 199.8

130 120.8 88.2 163.8

51 47.6 39.2 58.8

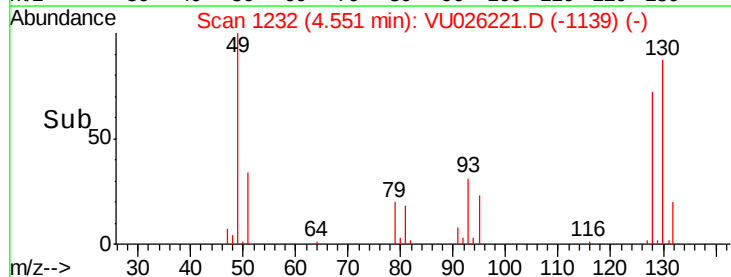
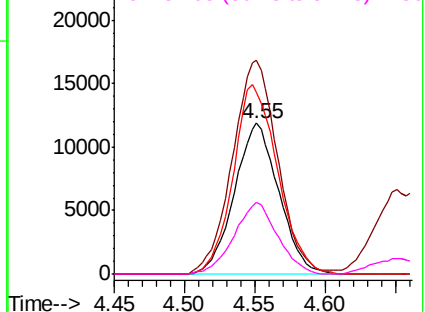


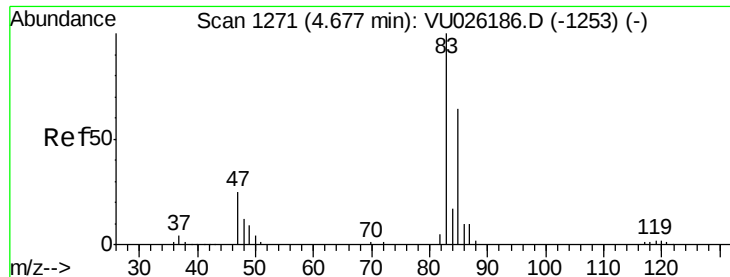
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

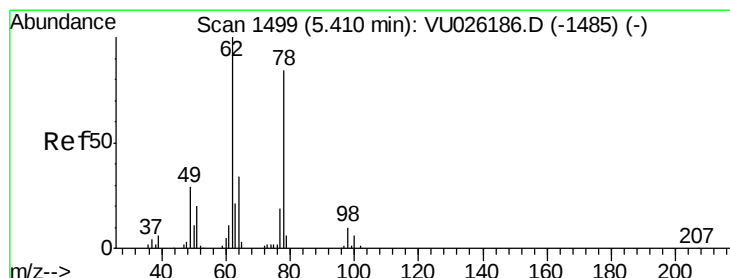
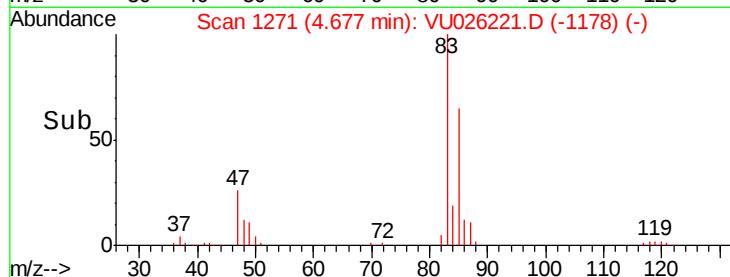
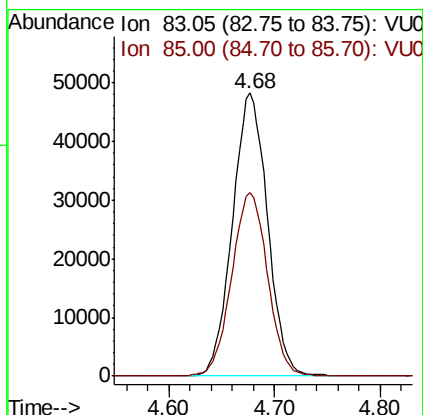
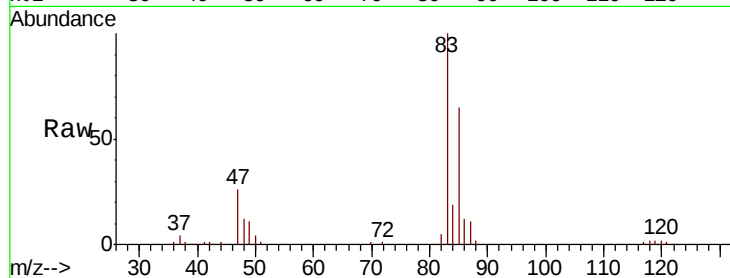




#25
Chloroform
Concen: 5.435 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026221.D
Acq: 21 Aug 2018 10:20

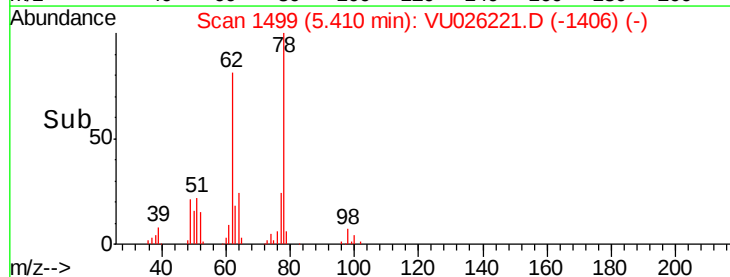
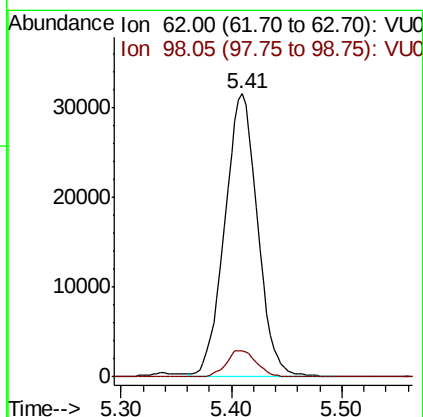
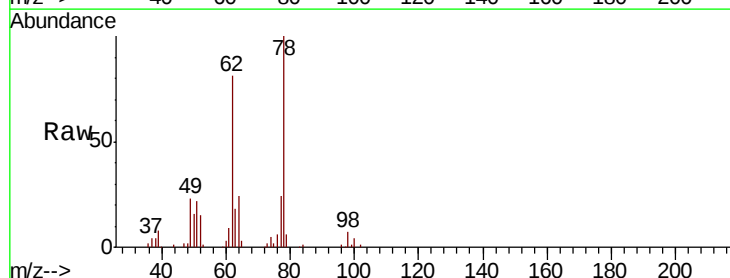
Instrument :
MSVOA_U
ClientSampleId :
VSTD00541

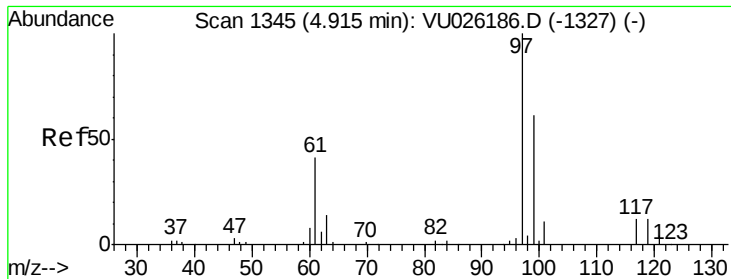
Tgt Ion: 83 Resp: 111167
Ion Ratio Lower Upper
83 100
85 64.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.353 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU026221.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 62 Resp: 65047
Ion Ratio Lower Upper
62 100
98 9.0 6.9 10.3

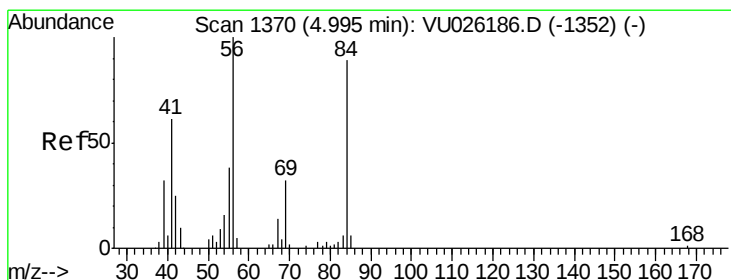
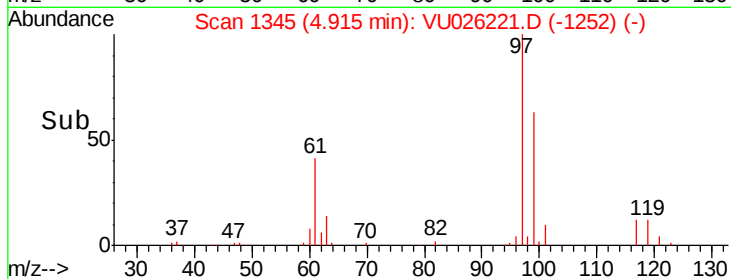
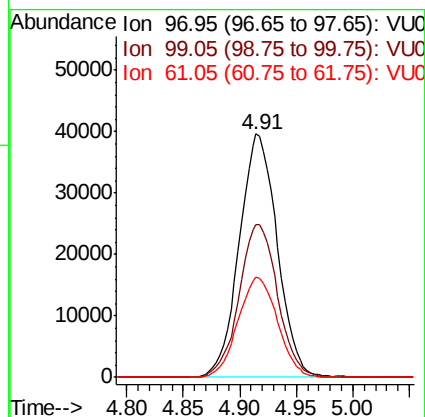
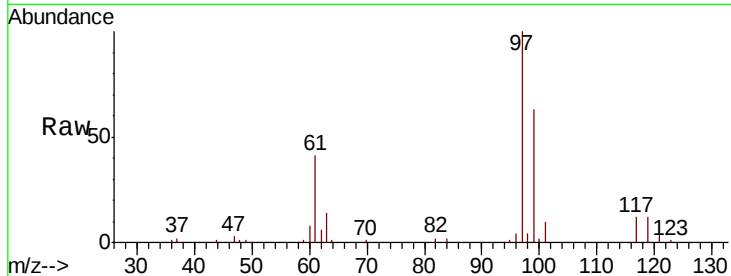




#29
 1,1,1-Trichloroethane
 Concen: 5.184 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

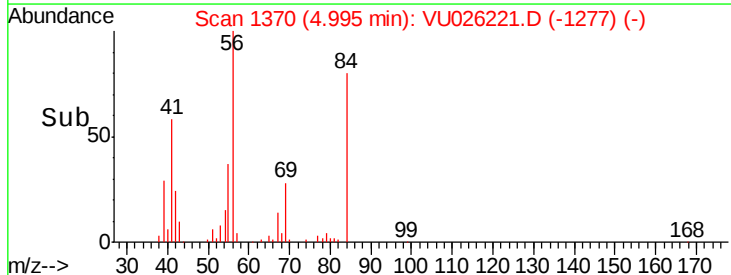
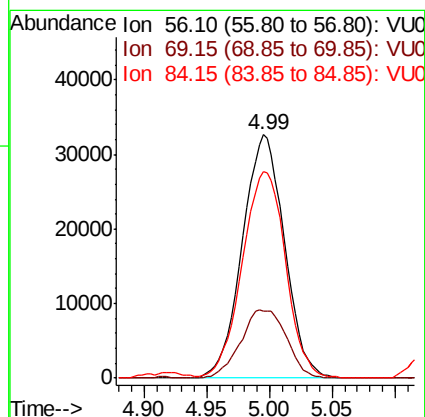
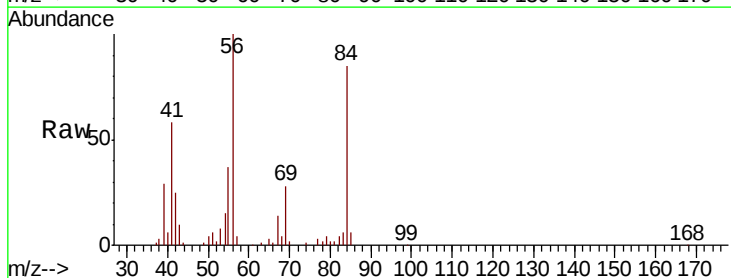
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

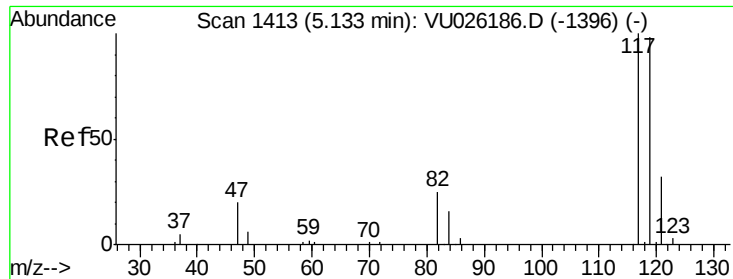
Tgt Ion: 97 Resp: 92520
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.3 78.5
 61 42.7 35.0 52.6



#30
 Cyclohexane
 Concen: 5.003 ug/L
 RT: 4.99 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 56 Resp: 76003
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.2 36.2
 84 87.3 69.3 103.9





#31

Carbon tetrachloride

Concen: 5.300 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

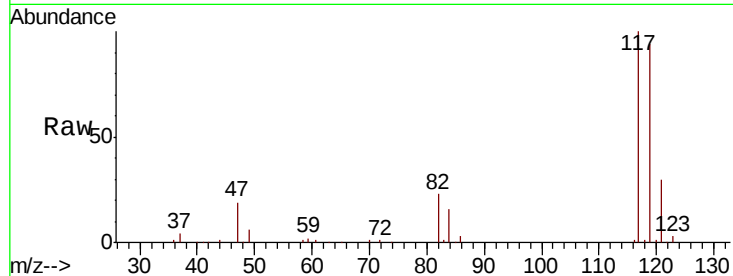
VSTD00541

Tgt Ion:117 Resp: 86052

Ion Ratio Lower Upper

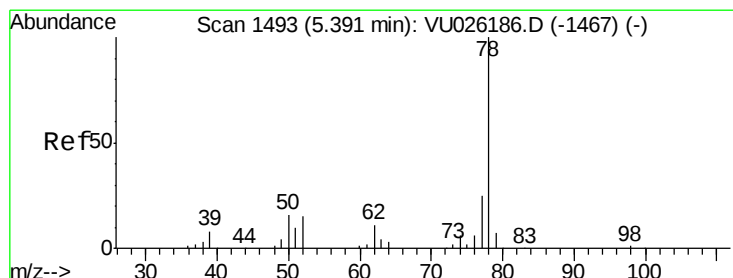
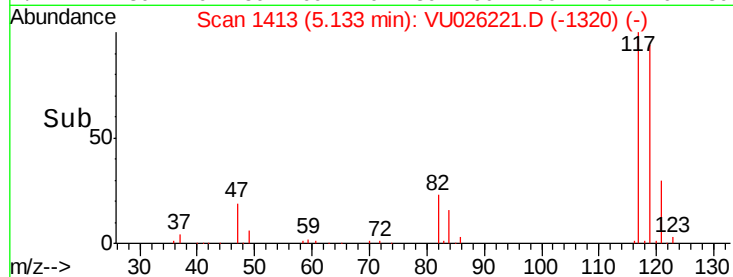
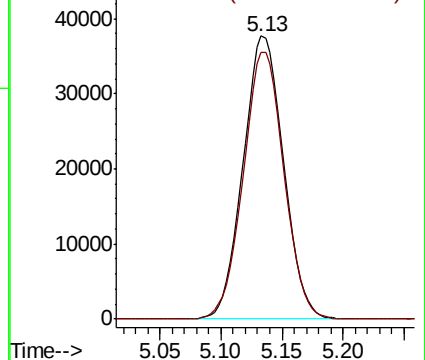
117 100

119 95.0 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.230 ug/L

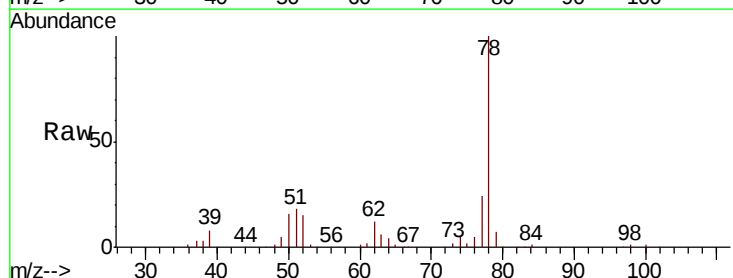
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

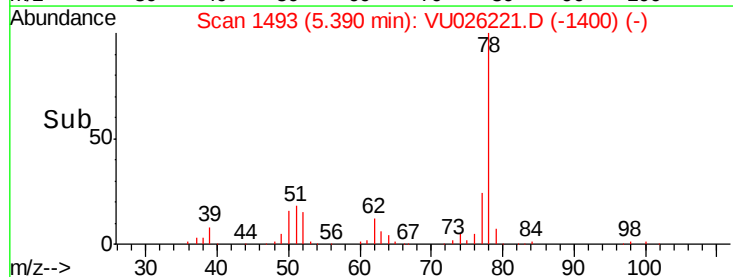
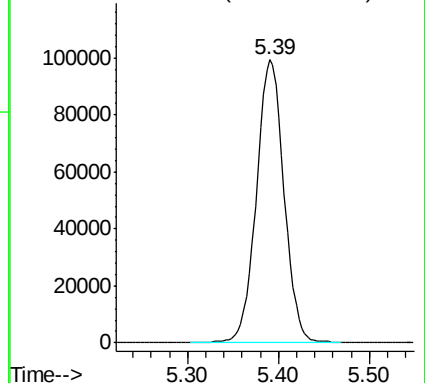
Lab File: VU026221.D

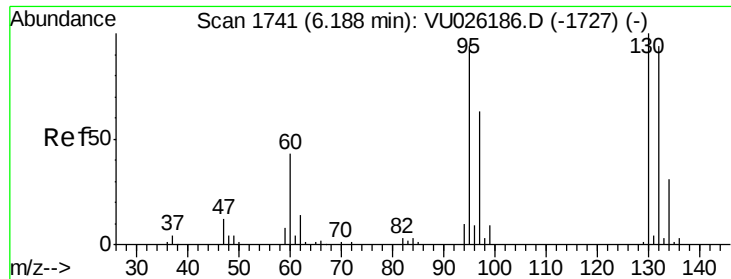
Acq: 21 Aug 2018 10:20

Tgt Ion: 78 Resp: 209201



Abundance Ion 78.10 (77.80 to 78.80): VU0

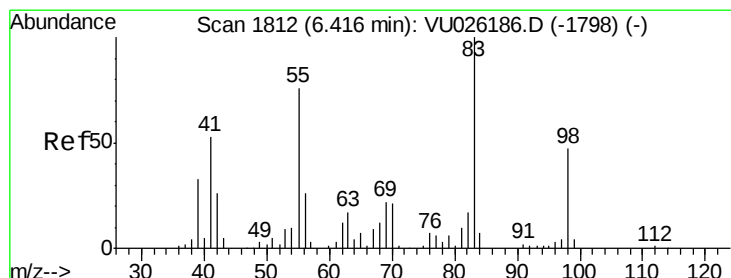
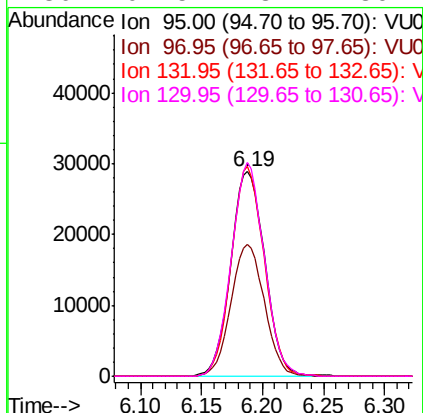
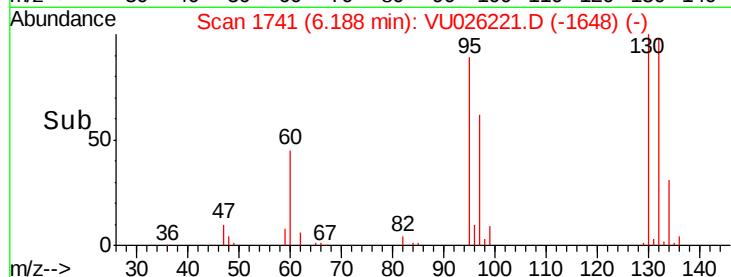
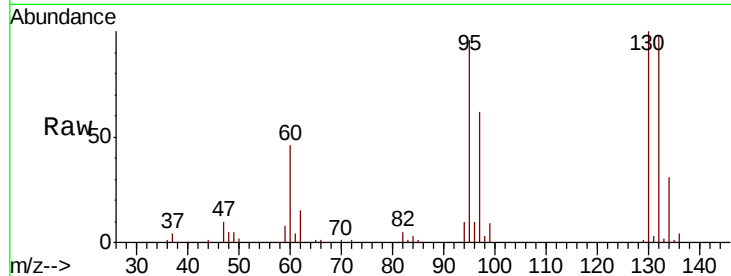




#34
 Trichloroethene
 Concen: 5.209 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

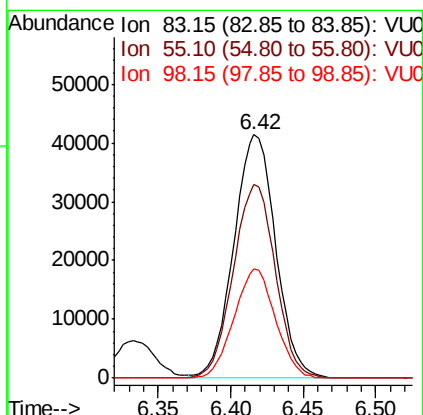
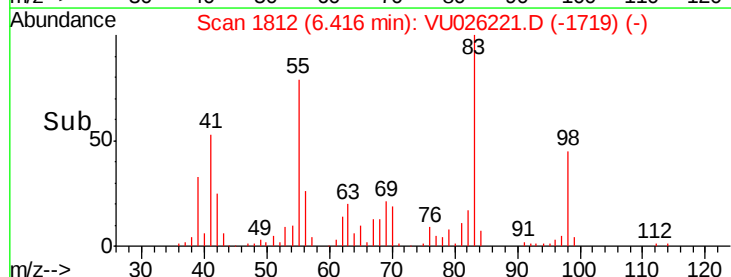
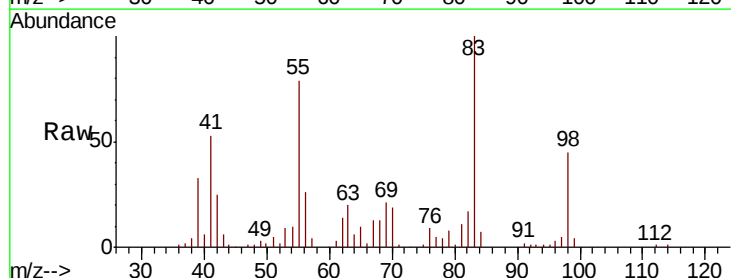
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

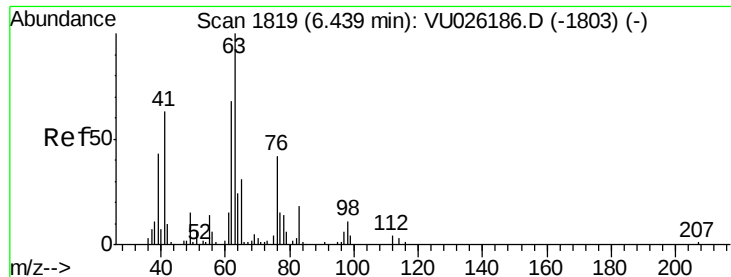
Tgt Ion: 95 Resp: 56105
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.9 83.5
 132 102.7 68.2 126.6
 130 104.5 73.4 136.4



#35
 Methylcyclohexane
 Concen: 5.217 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 83 Resp: 83286
 Ion Ratio Lower Upper
 83 100
 55 79.6 65.0 97.4
 98 44.2 37.8 56.6

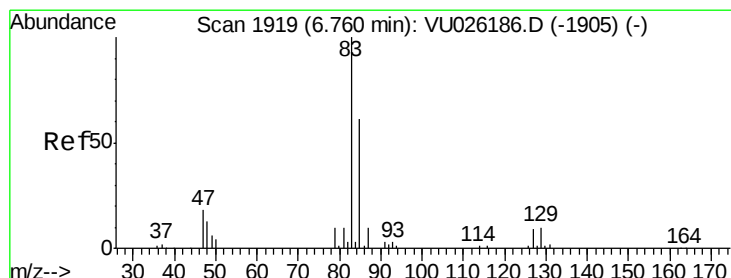
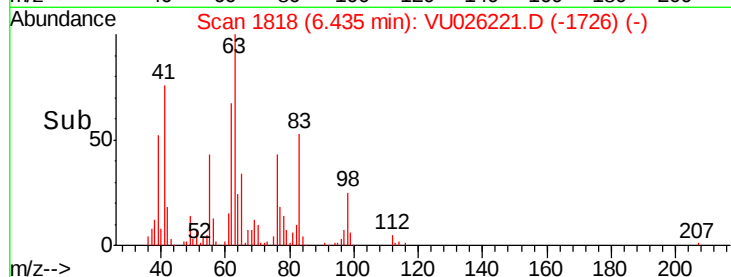
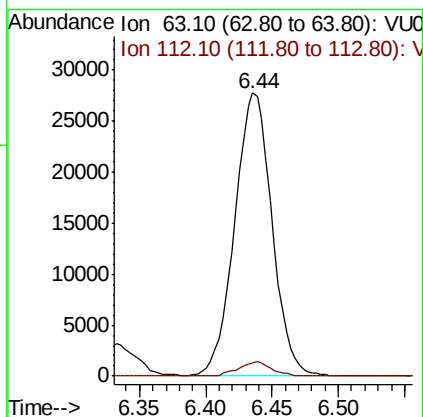
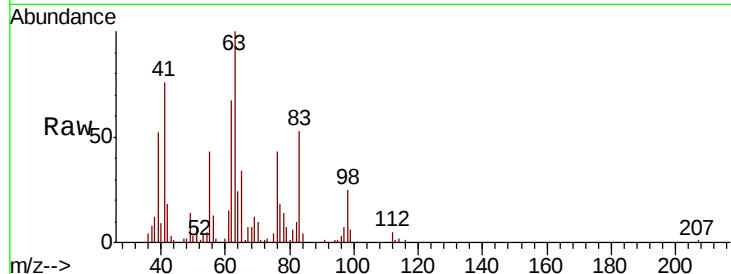




#37
 1,2-Dichloropropane
 Concen: 5.048 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

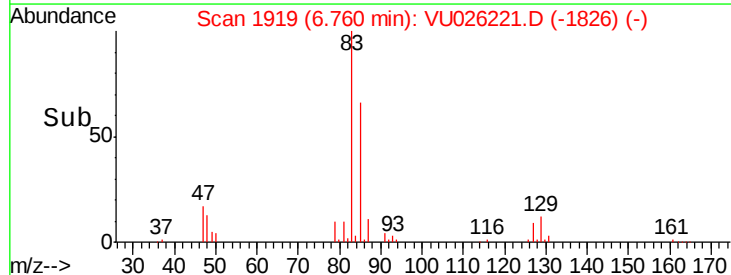
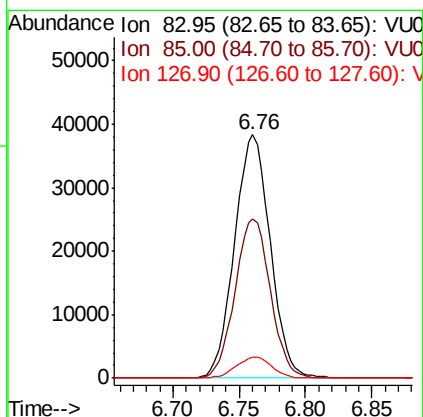
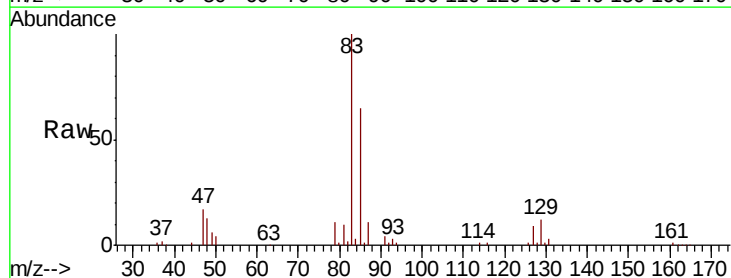
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

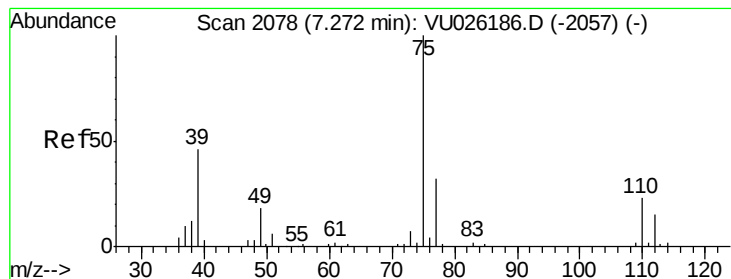
Tgt Ion: 63 Resp: 54320
 Ion Ratio Lower Upper
 63 100
 112 4.5 1.4 2.2#



#38
 Bromodichloromethane
 Concen: 5.274 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 83 Resp: 71923
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.2 82.0
 127 8.5 7.6 11.4



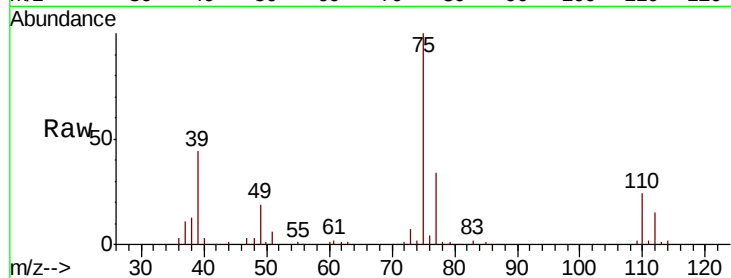


#39

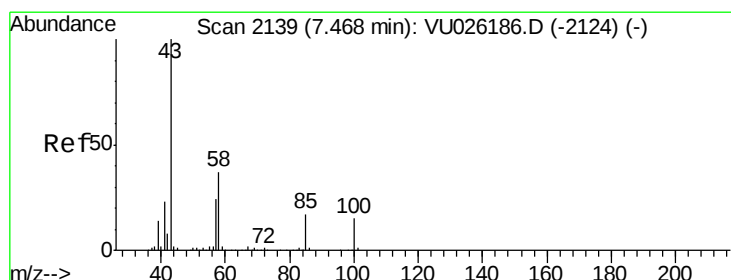
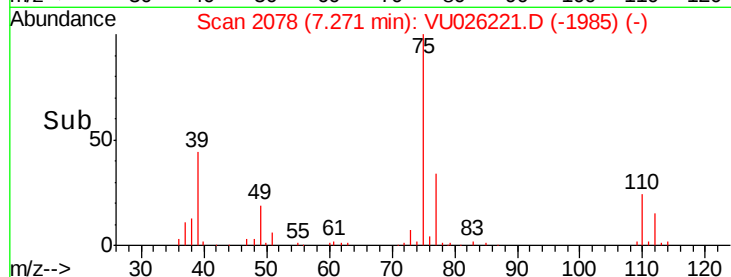
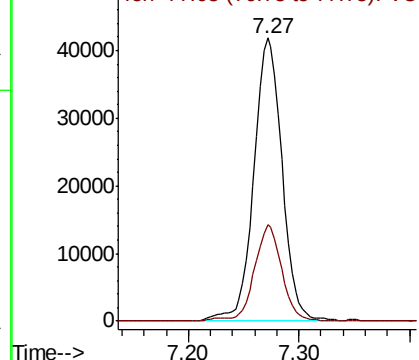
cis-1,3-Dichloropropene
Concen: 5.287 ug/L
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU026221.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00541

Tgt Ion: 75 Resp: 74423
Ion Ratio Lower Upper
75 100
77 33.9 23.3 43.3



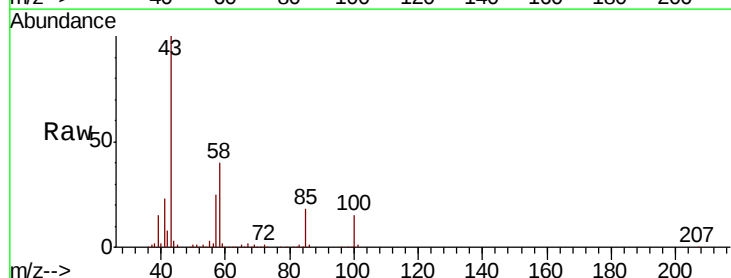
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



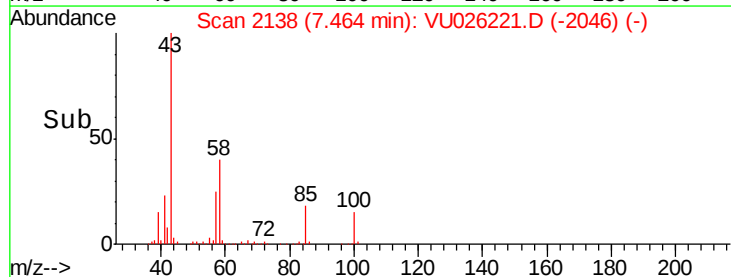
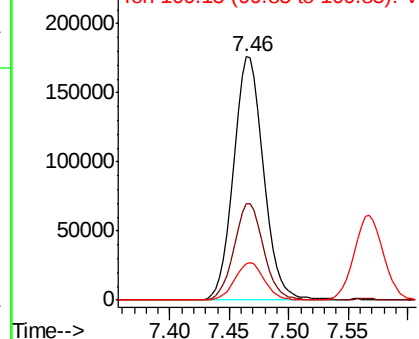
#40

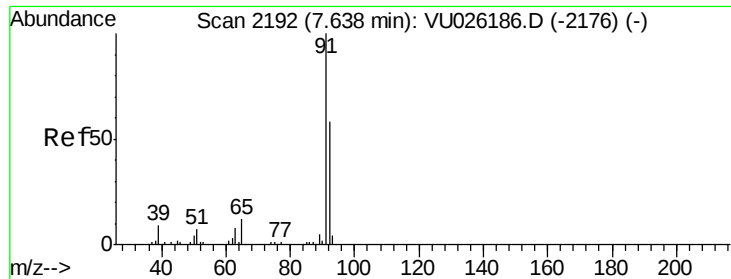
4-Methyl-2-pentanone
Concen: 53.440 ug/L
RT: 7.46 min Scan# 2138
Delta R.T. -0.00 min
Lab File: VU026221.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 43 Resp: 308893
Ion Ratio Lower Upper
43 100
58 39.1 29.8 44.8
100 15.2 11.6 17.4



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





#42

Toluene

Concen: 5.377 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

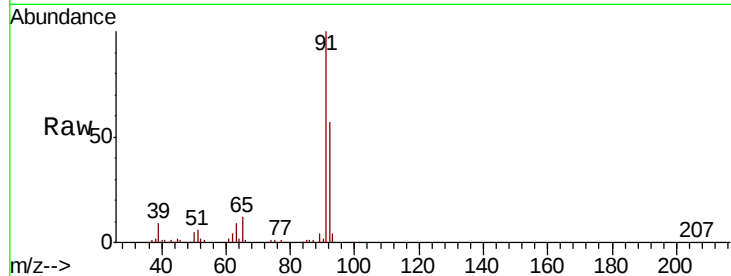
VSTD00541

Tgt Ion: 91 Resp: 226955

Ion Ratio Lower Upper

91 100

92 56.6 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

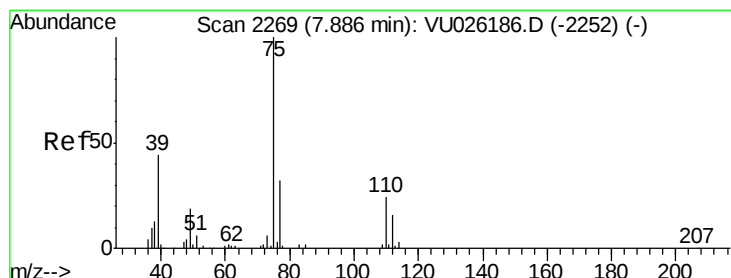
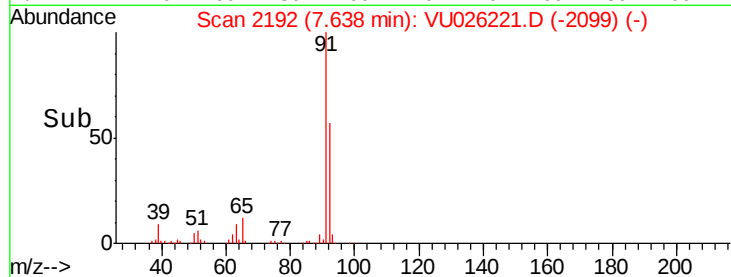
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 5.408 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026221.D

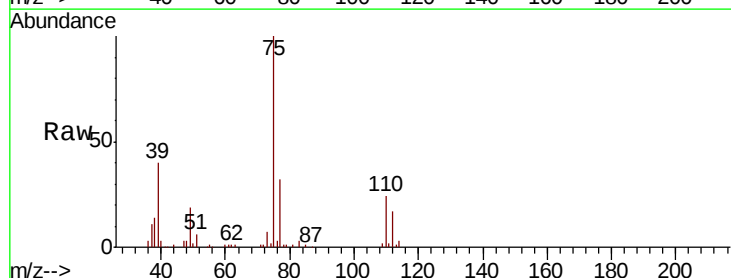
Acq: 21 Aug 2018 10:20

Tgt Ion: 75 Resp: 65580

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

40000

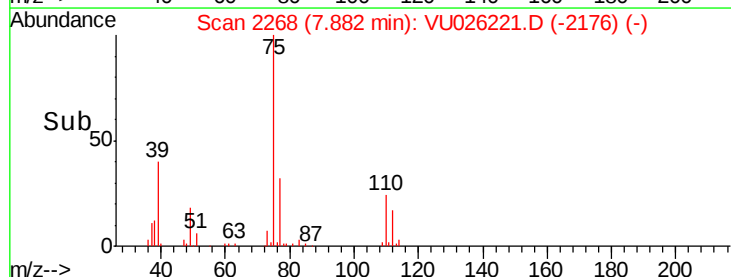
30000

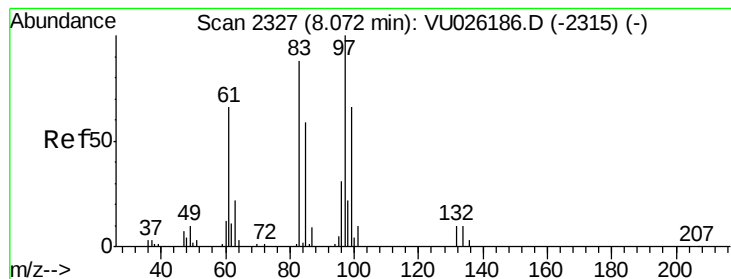
20000

10000

0

Time--> 7.80 7.85 7.90 7.95





#45

1,1,2-Trichloroethane

Concen: 5.208 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

Tgt Ion: 97 Resp: 38383

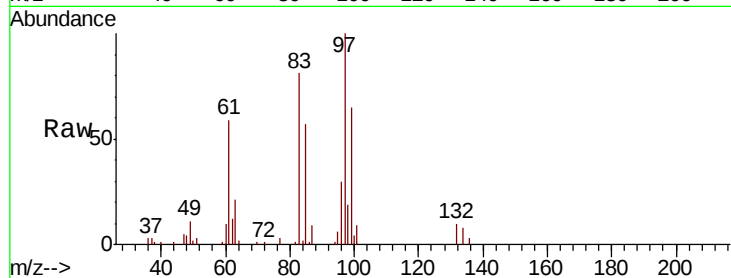
Ion Ratio Lower Upper

97 100

99 64.6 42.1 78.3

83 81.1 59.2 110.0

85 57.0 37.9 70.3

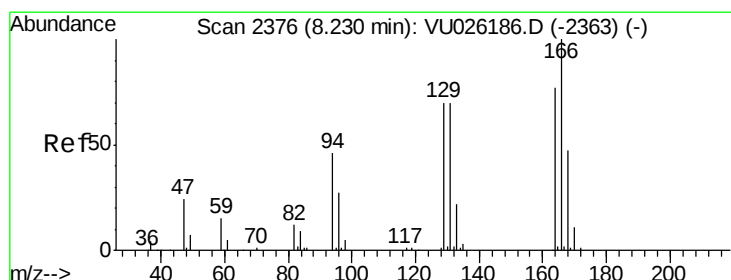
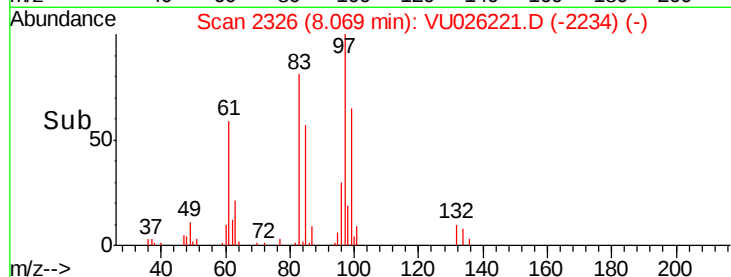
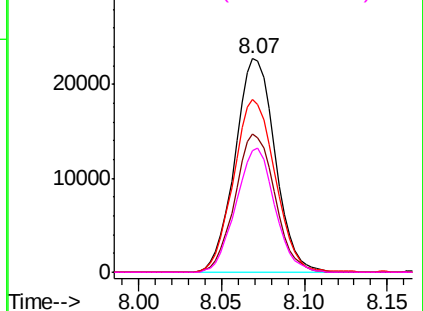


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.208 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Tgt Ion: 164 Resp: 49079

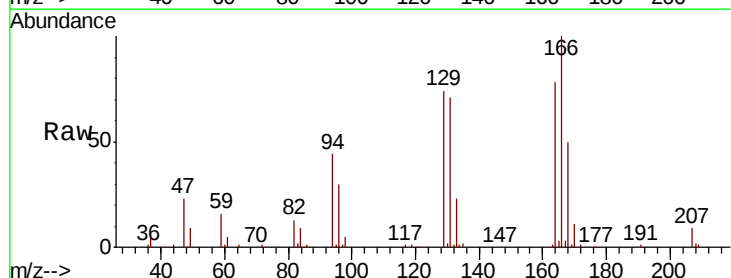
Ion Ratio Lower Upper

164 100

129 94.2 66.1 122.8

131 90.6 61.4 114.0

166 127.4 89.1 165.5

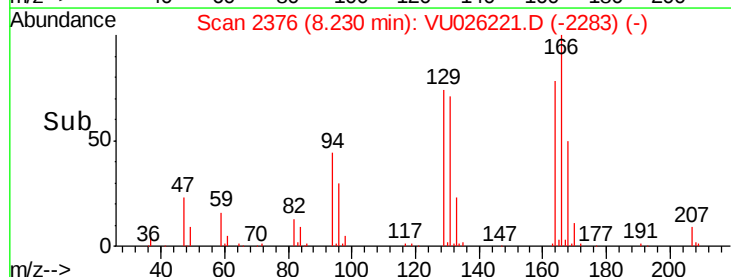
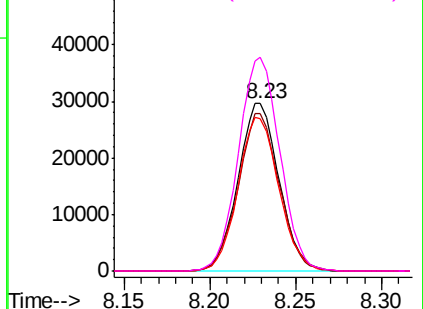


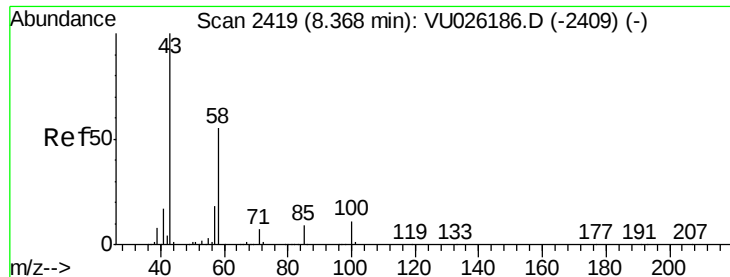
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

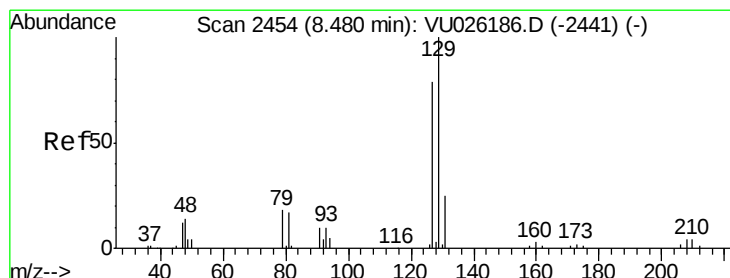
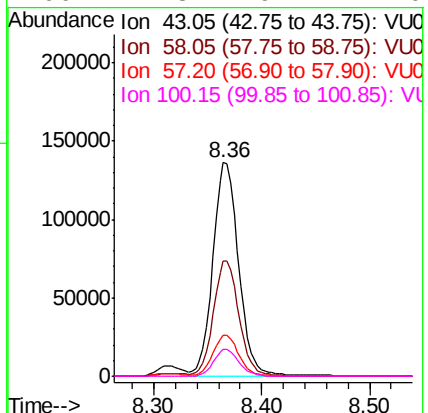
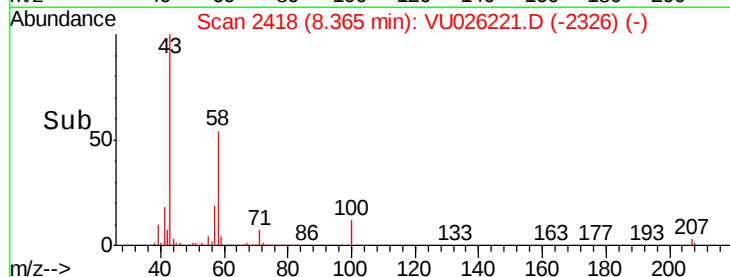
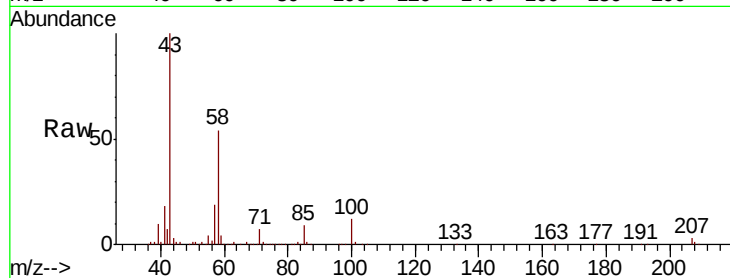




#48
2-Hexanone
Concen: 55.759 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026221.D
Acq: 21 Aug 2018 10:20

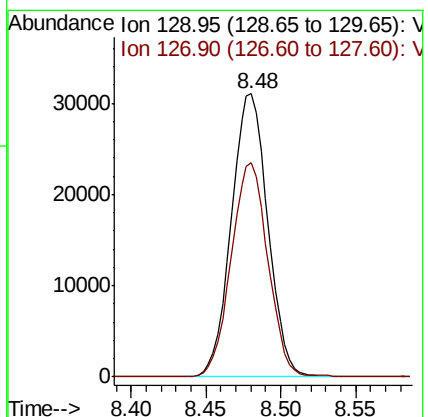
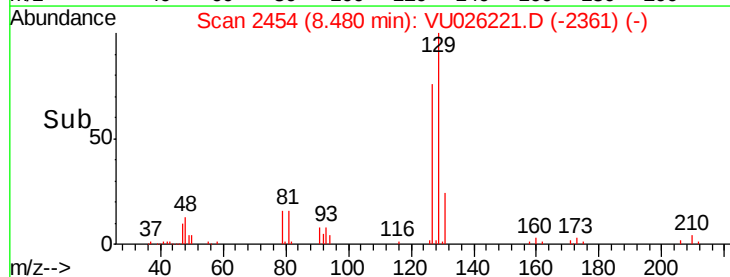
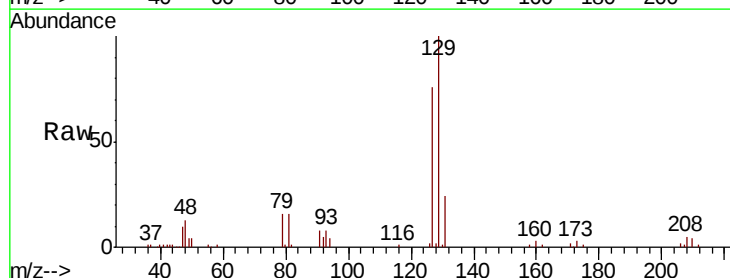
Instrument :
MSVOA_U
ClientSampleId :
VSTD00541

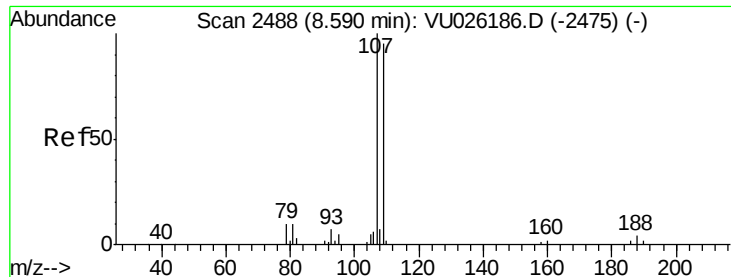
Tgt Ion: 43 Resp: 224948
Ion Ratio Lower Upper
43 100
58 53.4 43.1 64.7
57 19.2 15.4 23.0
100 12.3 9.4 14.0



#49
Dibromochloromethane
Concen: 5.439 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026221.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 129 Resp: 52603
Ion Ratio Lower Upper
129 100
127 75.6 54.9 101.9

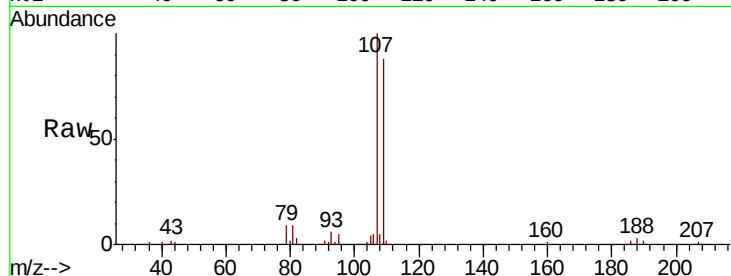




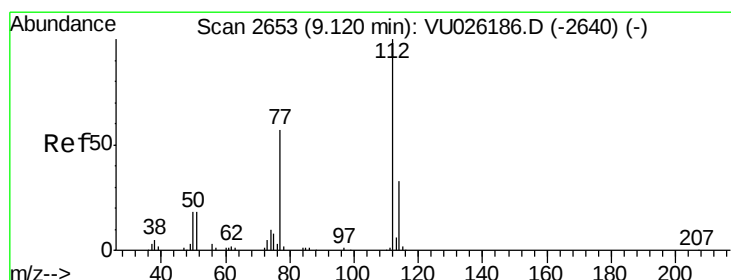
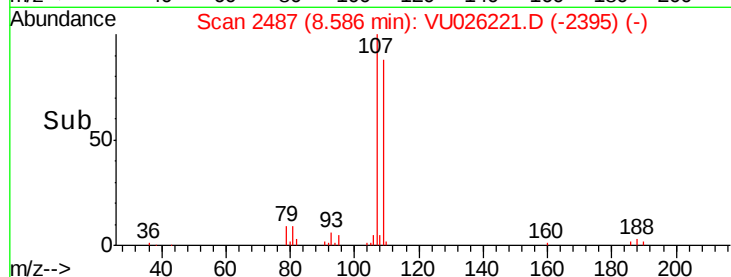
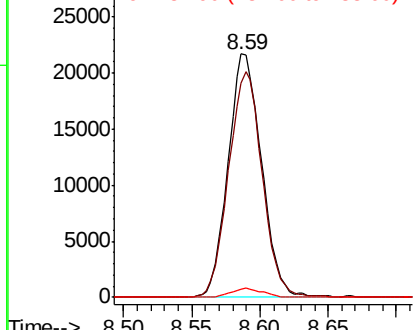
#50
 1,2-Dibromoethane
 Concen: 5.283 ug/L
 RT: 8.59 min Scan# 2487
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Tgt Ion:107 Resp: 37044
 Ion Ratio Lower Upper
 107 100
 109 88.0 65.3 121.3
 188 3.3 3.0 4.4

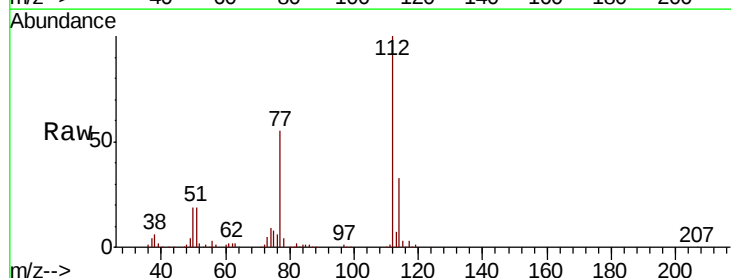


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

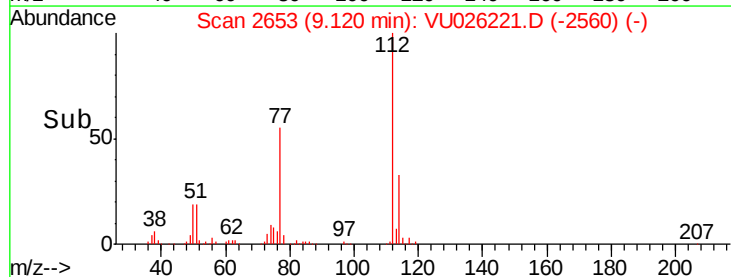
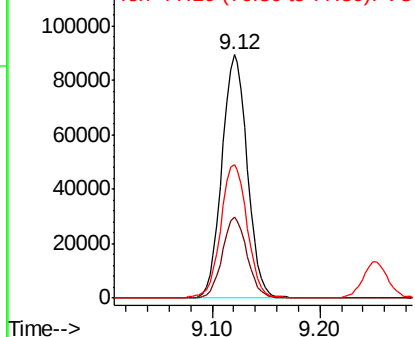


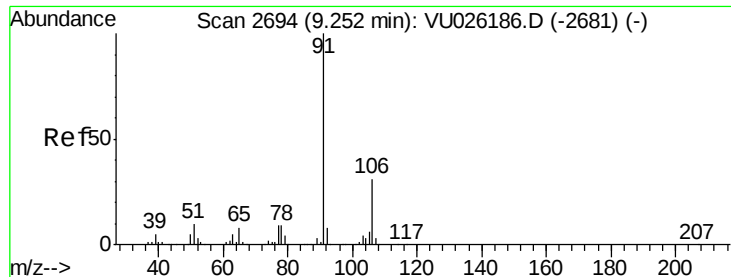
#51
 Chlorobenzene
 Concen: 5.176 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:112 Resp: 146525
 Ion Ratio Lower Upper
 112 100
 114 33.1 22.5 41.7
 77 55.0 45.8 68.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.165 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

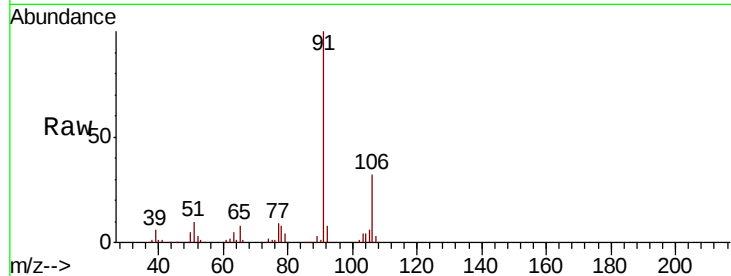
VSTD00541

Tgt Ion: 91 Resp: 229706

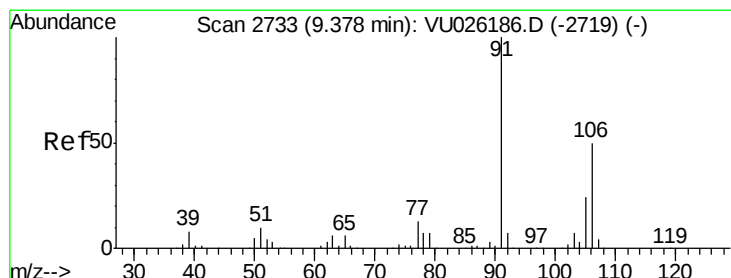
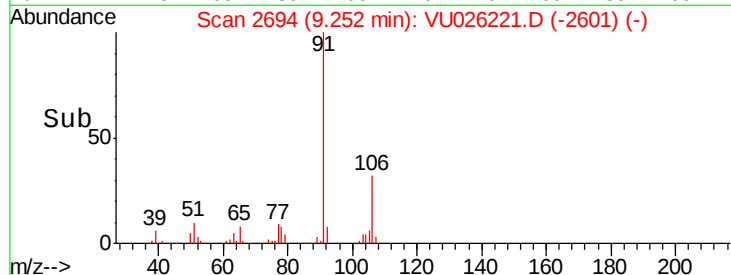
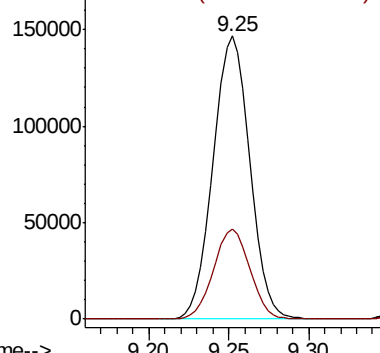
Ion Ratio Lower Upper

91 100

106 32.0 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VU026186.D (-2681) (-)



#53

m,p-xylene

Concen: 5.402 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026221.D

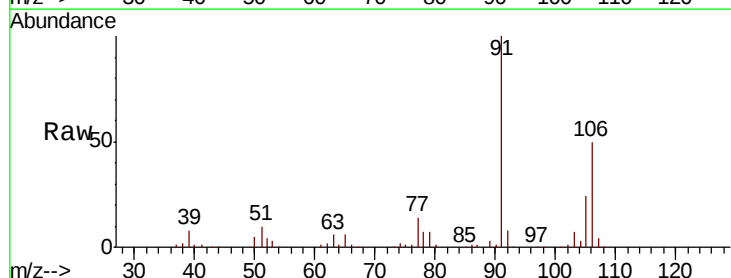
Acq: 21 Aug 2018 10:20

Tgt Ion: 106 Resp: 92328

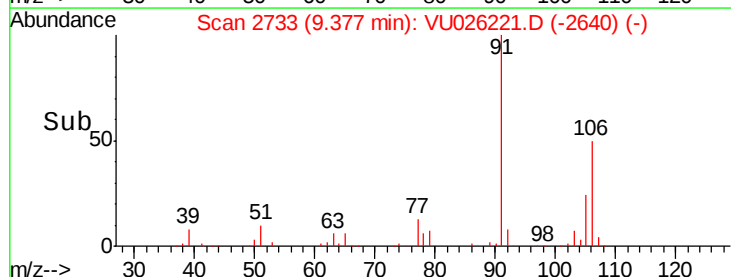
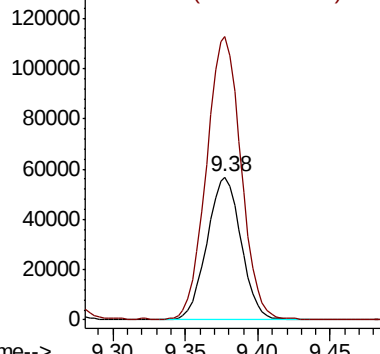
Ion Ratio Lower Upper

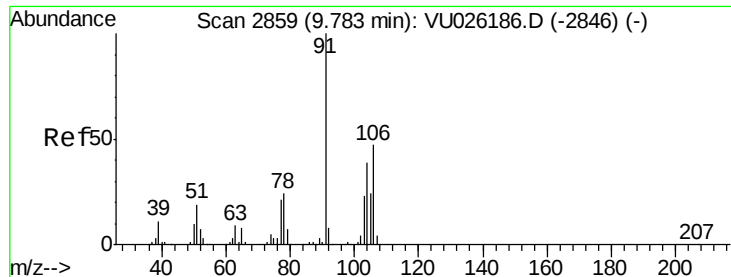
106 100

91 198.2 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026186.D (-2719) (-)





#54

o-xylene

Concen: 5.349 ug/L

RT: 9.78 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

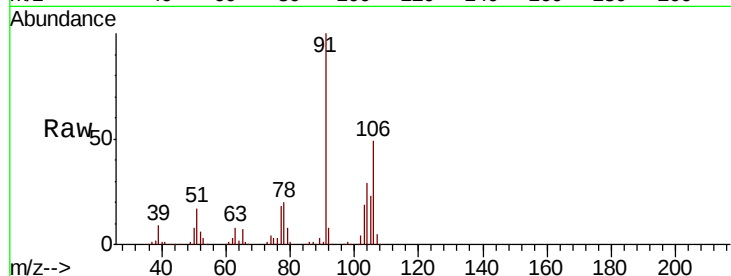
VSTD00541

Tgt Ion:106 Resp: 87495

Ion Ratio Lower Upper

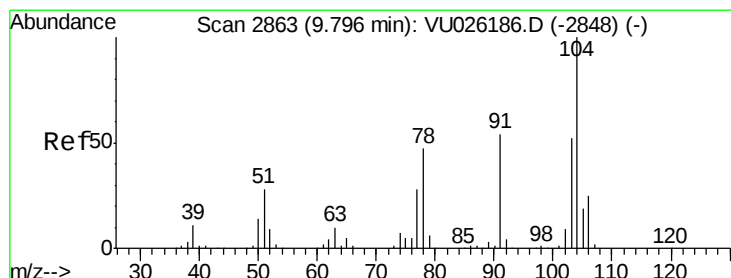
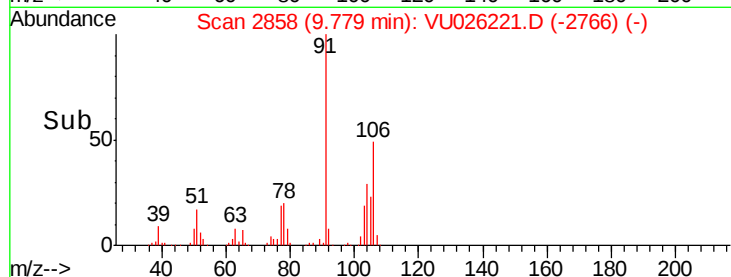
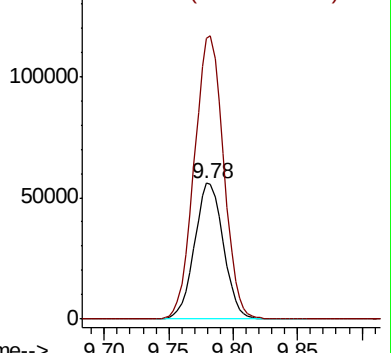
106 100

91 206.1 150.7 279.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.542 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026221.D

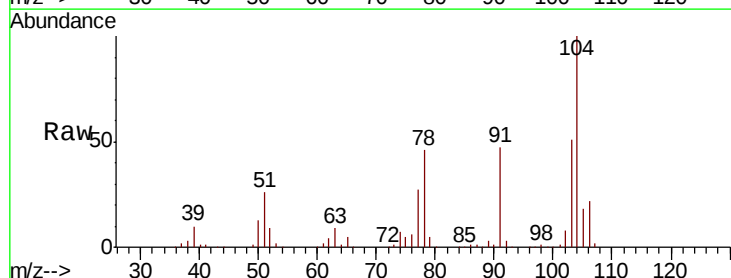
Acq: 21 Aug 2018 10:20

Tgt Ion:104 Resp: 154310

Ion Ratio Lower Upper

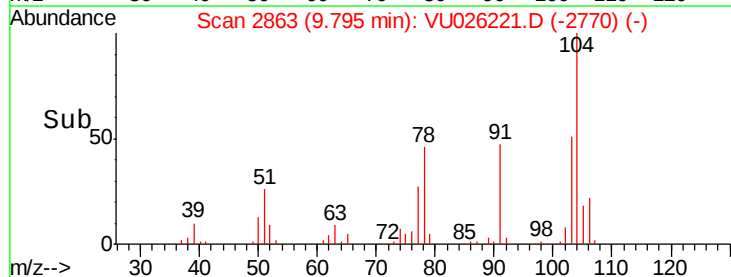
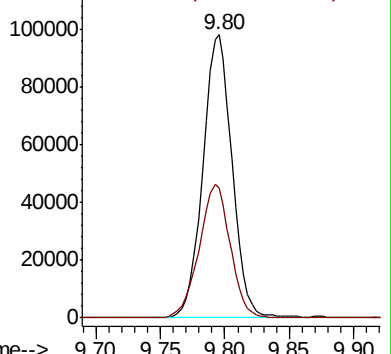
104 100

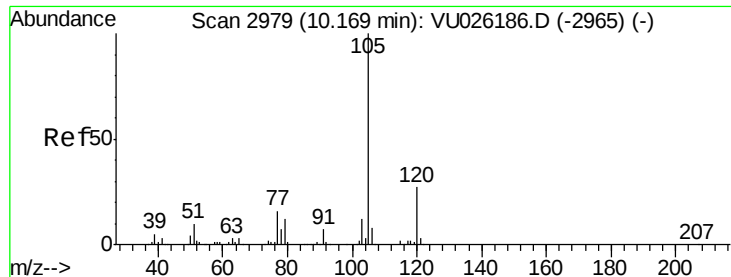
78 46.0 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.335 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

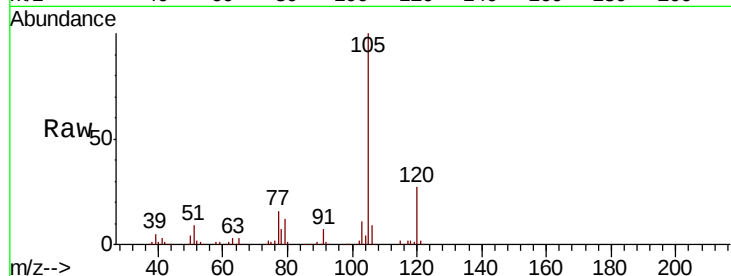
Tgt Ion: 105 Resp: 230805

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

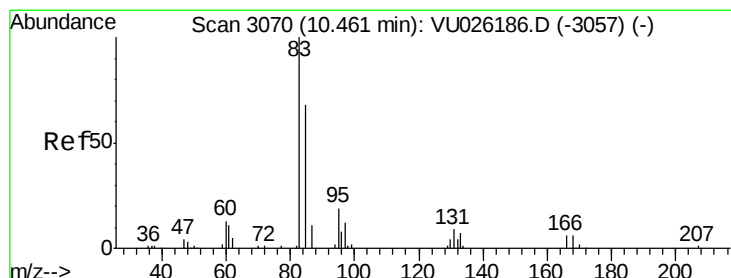
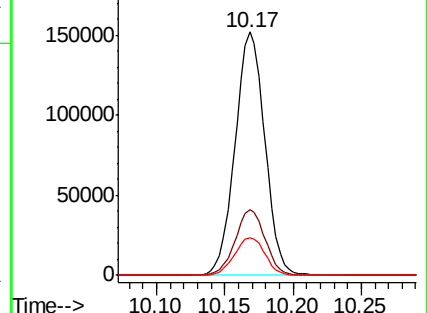
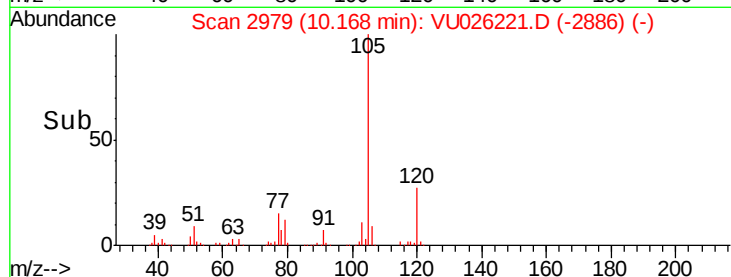
77 16.0 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.337 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

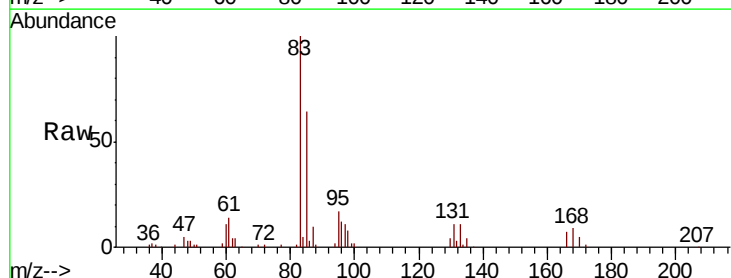
Tgt Ion: 83 Resp: 48233

Ion Ratio Lower Upper

83 100

85 63.9 45.7 84.9

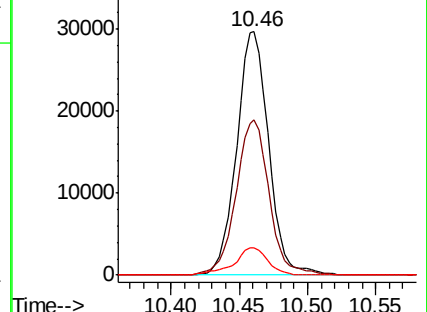
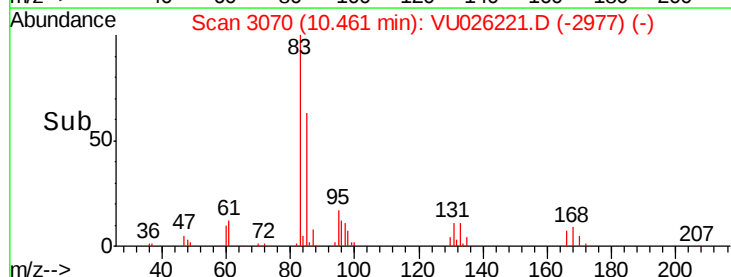
131 11.2 7.7 11.5

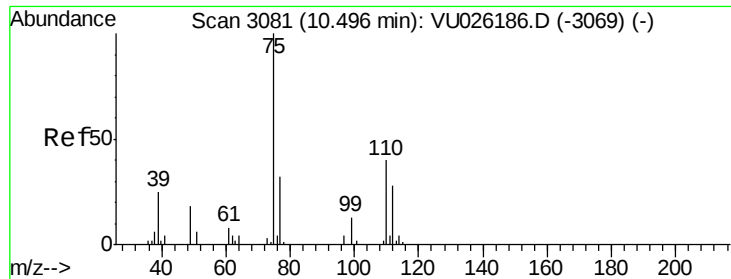


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

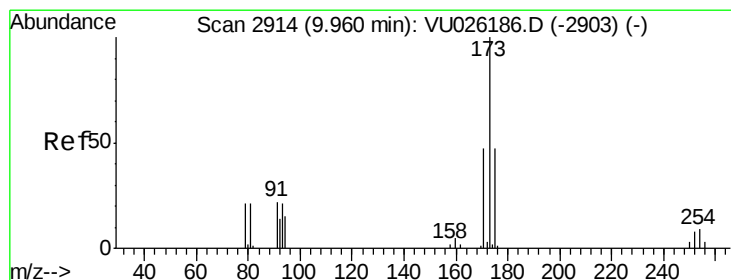
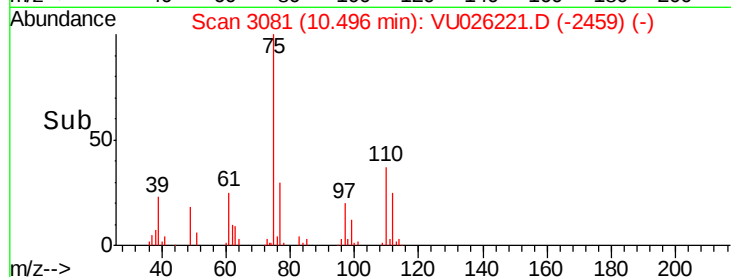
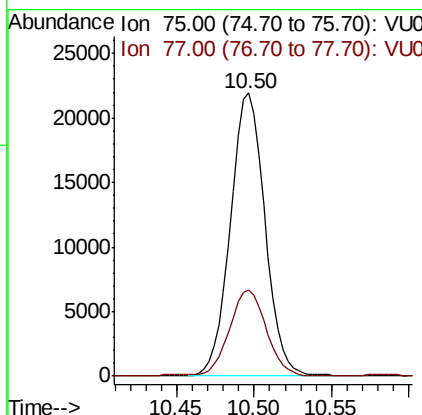
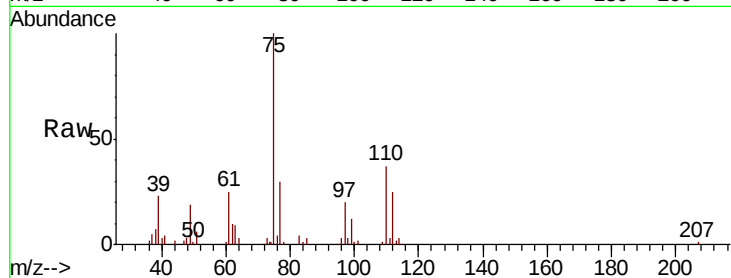




#59
 1,2,3-Trichloropropane
 Concen: 5.222 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

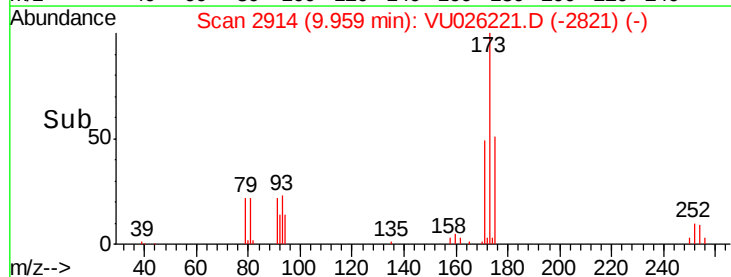
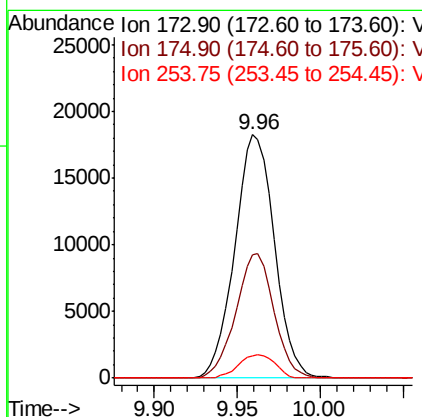
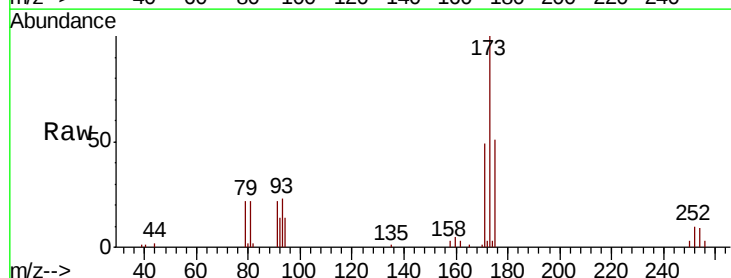
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

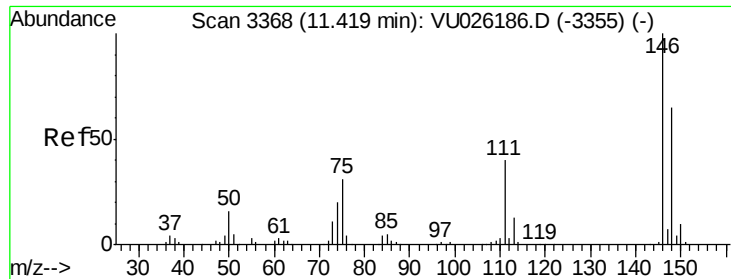
Tgt Ion: 75 Resp: 33941
 Ion Ratio Lower Upper
 75 100
 77 32.5 29.0 43.4



#61
 Bromoform
 Concen: 5.387 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 173 Resp: 30400
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.6
 254 8.7 6.8 10.2

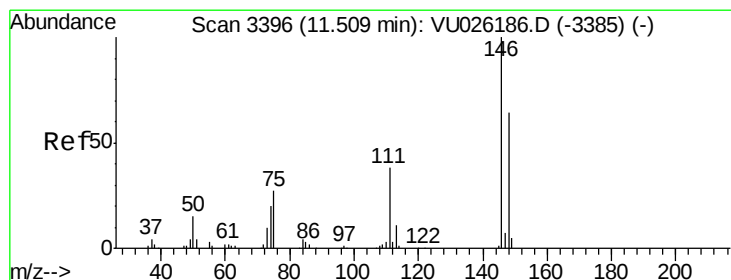
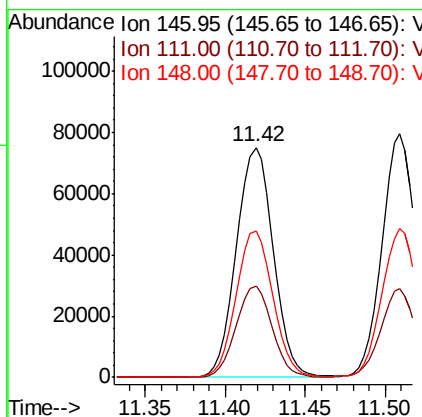
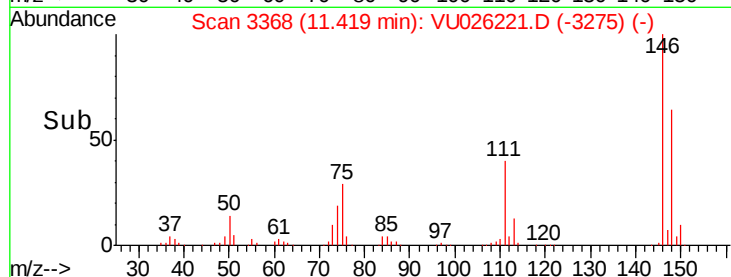
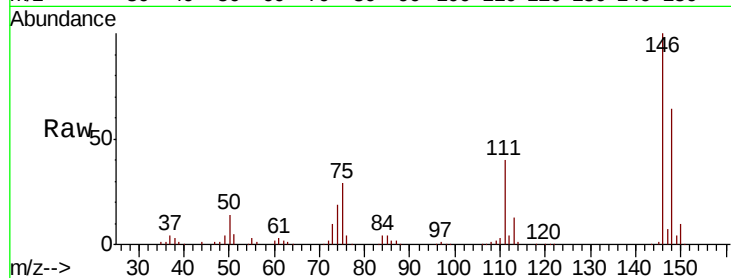




#62
 1,3-Dichlorobenzene
 Concen: 5.108 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

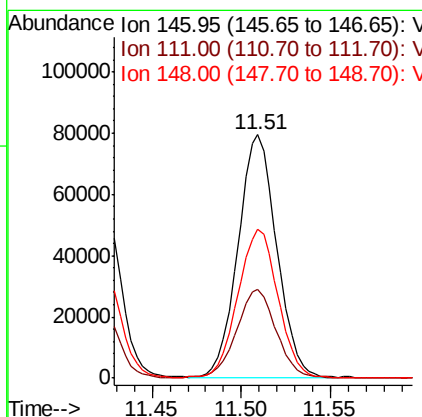
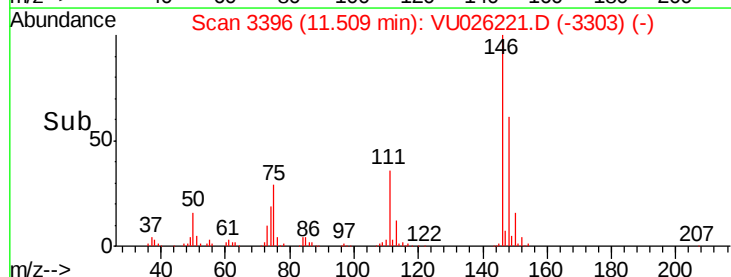
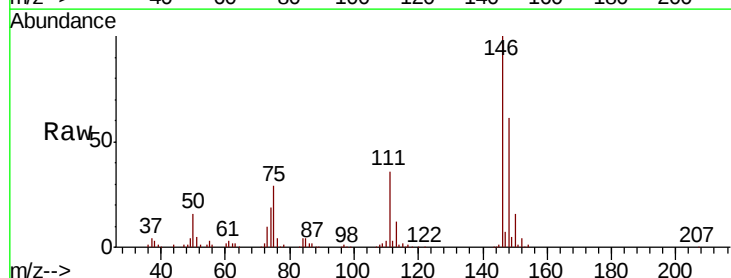
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00541

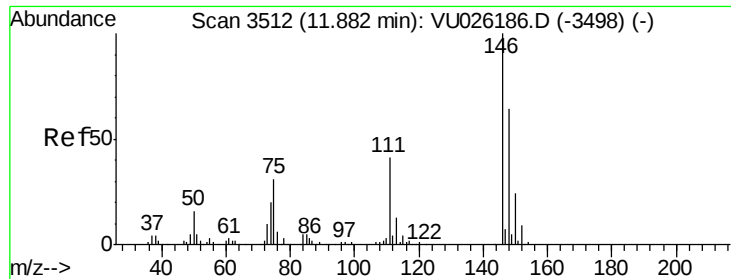
Tgt Ion:146 Resp: 117959
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.9 51.7
 148 63.7 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.917 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:146 Resp: 119747
 Ion Ratio Lower Upper
 146 100
 111 36.4 26.8 49.8
 148 61.0 44.2 82.0

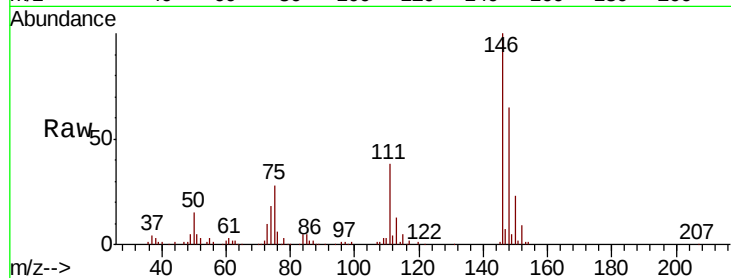




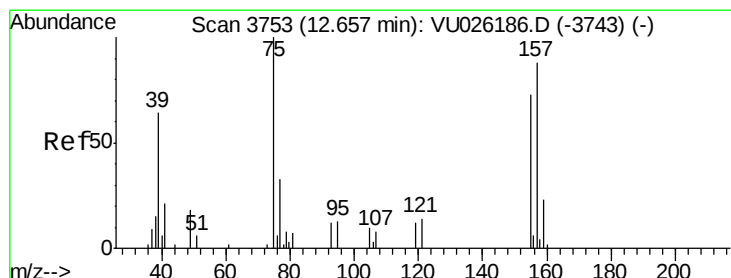
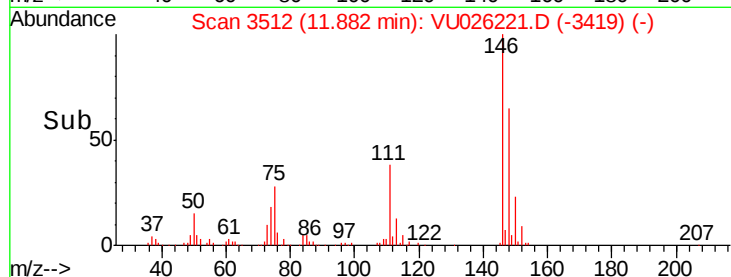
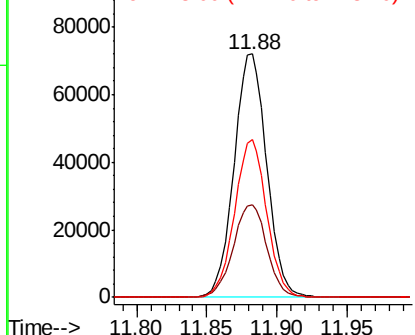
#65
 1,2-Dichlorobenzene
 Concen: 5.102 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Tgt Ion:146 Resp: 116769
 Ion Ratio Lower Upper
 146 100
 111 38.3 33.0 49.4
 148 64.9 51.4 77.0

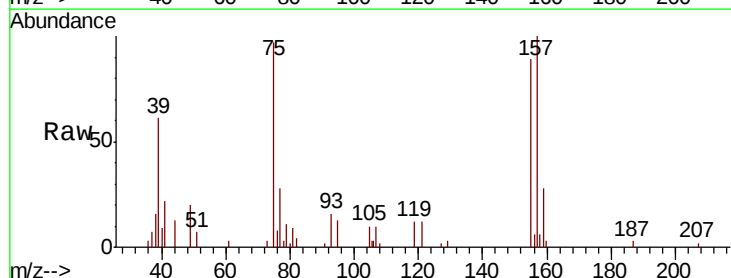


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

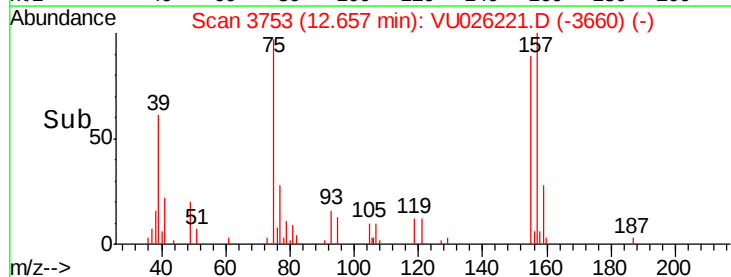
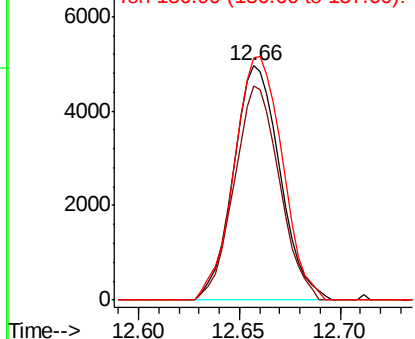


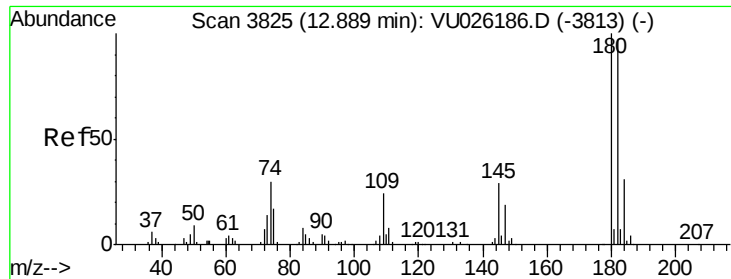
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.089 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 75 Resp: 8021
 Ion Ratio Lower Upper
 75 100
 155 91.2 66.2 99.4
 157 103.1 84.2 126.4



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

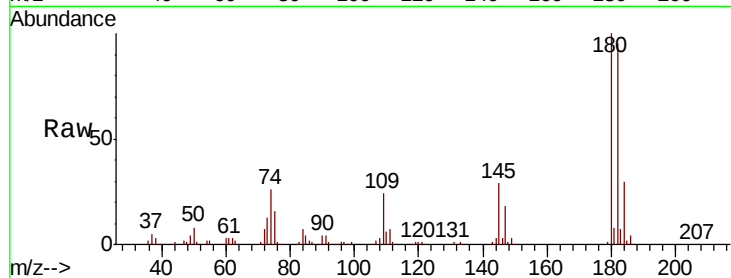




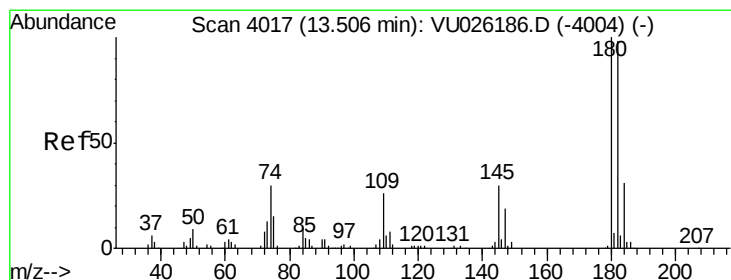
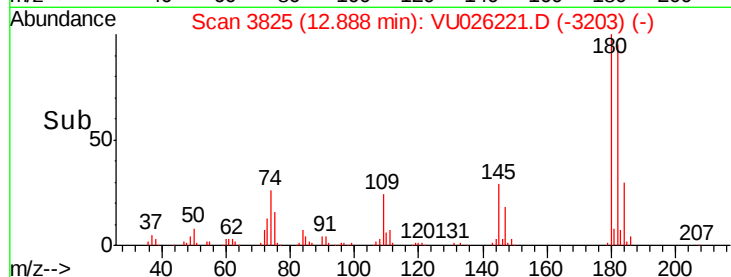
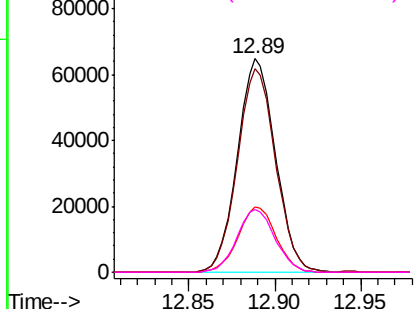
#67
 1,3,5-Trichlorobenzene
 Concen: 5.539 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Tgt Ion:	180	Resp:	99597
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
184	30.5	24.2	36.2
145	29.4	23.7	35.5

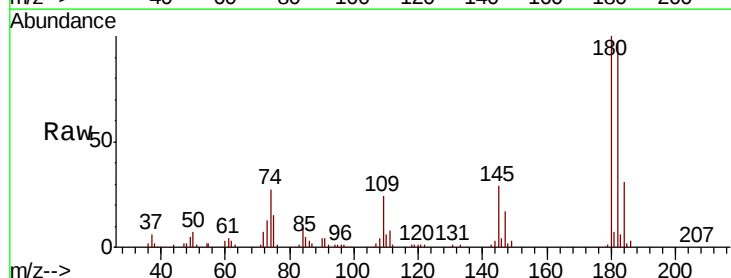


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

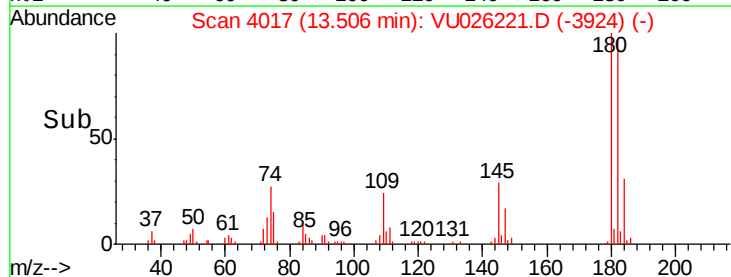
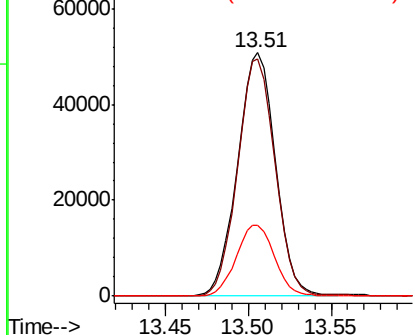


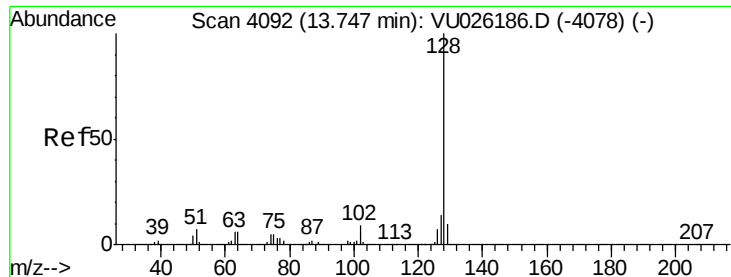
#68
 1,2,4-trichlorobenzene
 Concen: 5.811 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026221.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:	180	Resp:	80913
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.9	116.9
145	29.3	24.2	36.2



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





#69

Naphthalene

Concen: 5.957 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

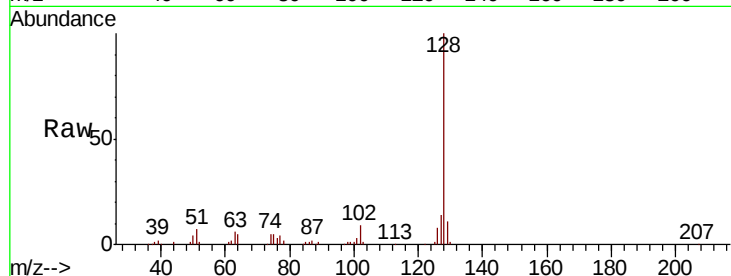
Tgt Ion:128 Resp: 123662

Ion Ratio Lower Upper

128 100

129 10.3 8.6 13.0

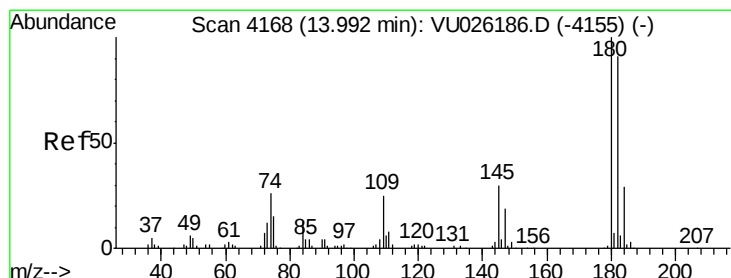
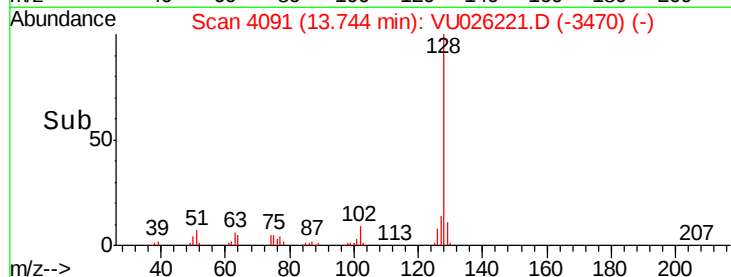
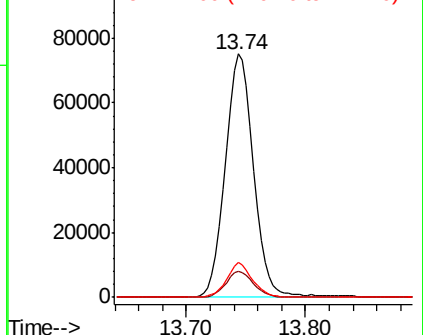
127 13.0 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.716 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026221.D

Acq: 21 Aug 2018 10:20

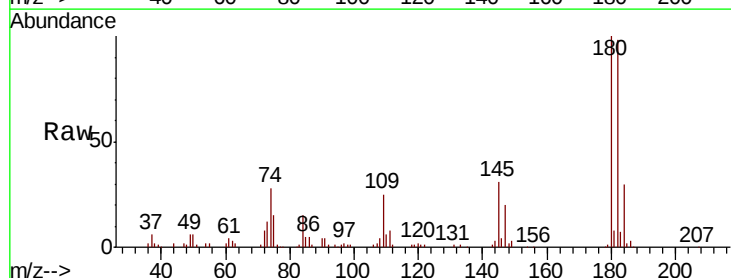
Tgt Ion:180 Resp: 75878

Ion Ratio Lower Upper

180 100

182 98.3 77.8 116.6

145 31.7 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

