

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071318\
 Data File : VU025404.D
 Acq On : 13 Jul 2018 21:56
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05002

Quant Time: Jul 14 04:31:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 13 14:43:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	339206	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	315025	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	163480	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84143	41.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.00%
7) Chloroethane-d5	1.68	69	71165	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.10%
11) 1,1-Dichloroethene-d2	2.27	63	185150	41.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.72%
21) 2-Butanone-d5	4.17	46	158165	93.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.32%
24) Chloroform-d	4.65	84	197137	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
26) 1,2-Dichloroethane-d4	5.31	65	131972	42.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.70%
32) Benzene-d6	5.35	84	365662	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.62%
36) 1,2-Dichloropropane-d6	6.33	67	118053	42.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.76%
41) Toluene-d8	7.57	98	360760	42.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.32%
43) trans-1,3-Dichloropropene-	7.85	79	56873	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.40%
47) 2-Hexanone-d5	8.31	63	122581	97.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.56%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	177520	45.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	153846	43.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.38%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	146974	47.688	ug/L 99
3) Chloromethane	1.33	50	131640	51.778	ug/L 100
5) Vinyl chloride	1.40	62	121536	46.198	ug/L 99
6) Bromomethane	1.62	94	25265	17.887	ug/L 90
8) Chloroethane	1.70	64	77483	48.866	ug/L 97
9) Trichlorofluoromethane	1.89	101	167009	43.472	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	104726	45.925	ug/L 99
12) 1,1-Dichloroethene	2.28	96	93497	44.937	ug/L 95
13) Acetone	2.32	43	119198	68.424	ug/L 98
14) Carbon disulfide	2.48	76	299336	47.646	ug/L 100
15) Methyl Acetate	2.61	43	133820	50.205	ug/L 99
16) Methylene chloride	2.70	84	120585	49.389	ug/L 100
17) trans-1,2-Dichloroethene	2.99	96	108679	48.245	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	380485	48.540	ug/L 99
19) 1,1-Dichloroethane	3.45	63	209473	48.854	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	128210	49.280	ug/L 96
22) 2-Butanone	4.26	43	190587	92.479	ug/L 99

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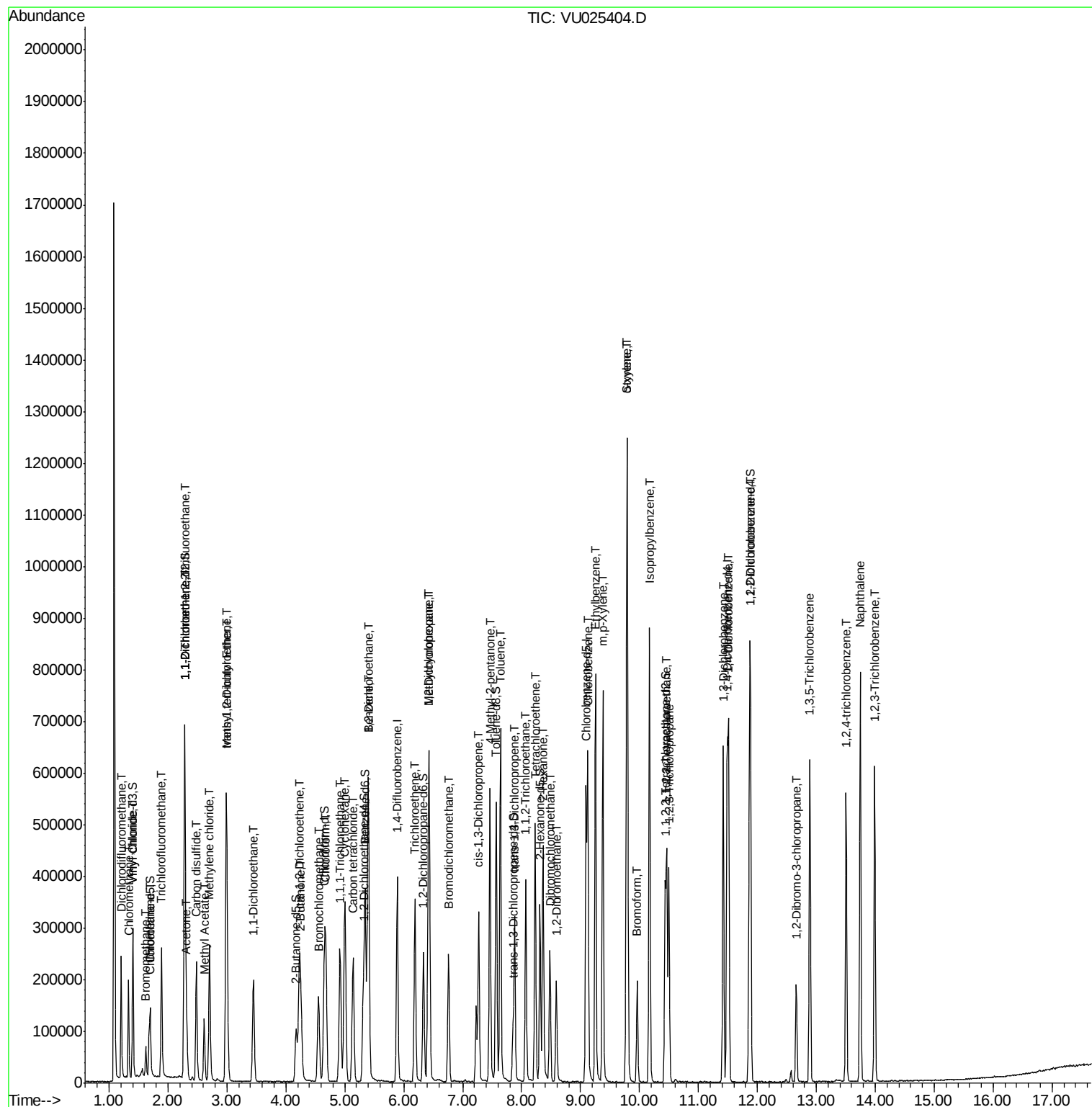
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58730	43.910	ug/L	96
25) Chloroform	4.68	83	222908	48.691	ug/L	98
27) 1,2-Dichloroethane	5.41	62	186288	48.553	ug/L	98
29) Cyclohexane	5.00	56	184864	45.394	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	201539	47.898	ug/L	98
31) Carbon tetrachloride	5.14	117	175572	47.743	ug/L	99
33) Benzene	5.39	78	458834	48.025	ug/L	100
34) Trichloroethene	6.19	95	122239	48.098	ug/L	99
35) Methylcyclohexane	6.42	83	190705	44.966	ug/L	99
37) 1,2-Dichloropropane	6.44	63	124102	48.642	ug/L	100
38) Bromodichloromethane	6.76	83	159742	47.106	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	186633	46.189	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	375282	102.098	ug/L	99
42) Toluene	7.64	91	497431	47.907	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	169495	45.091	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	119306	49.004	ug/L	97
46) Tetrachloroethene	8.23	164	111717	51.930	ug/L	97
48) 2-Hexanone	8.36	43	299509	102.424	ug/L	99
49) Dibromochloromethane	8.48	129	126523	44.286	ug/L	99
50) 1,2-Dibromoethane	8.59	107	129049	47.921	ug/L	100
51) Chlorobenzene	9.12	112	330125	47.704	ug/L	100
52) Ethylbenzene	9.25	91	558780	47.848	ug/L	98
53) m,p-Xylene	9.38	106	216808	47.974	ug/L	99
54) o-xylene	9.78	106	219488	48.421	ug/L	98
55) Styrene	9.80	104	358352	48.232	ug/L	99
56) Isopropylbenzene	10.17	105	570548	47.920	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	205286	50.529	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	169027	51.100	ug/L	99
61) Bromoform	9.96	173	88739	41.347	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	261665	47.775	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	261397	47.446	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	276462	47.821	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	45690	47.761	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	196681	48.370	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	172809	50.835	ug/L	99
69) Naphthalene	13.74	128	611524	54.101	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	185091	50.695	ug/L	99

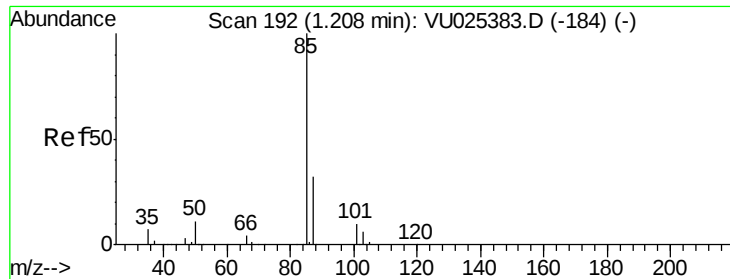
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.688 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

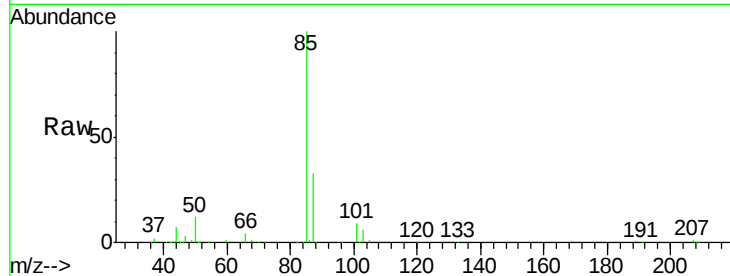
VSTD05002

Tgt Ion: 85 Resp: 146974

Ion Ratio Lower Upper

85 100

87 33.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.20

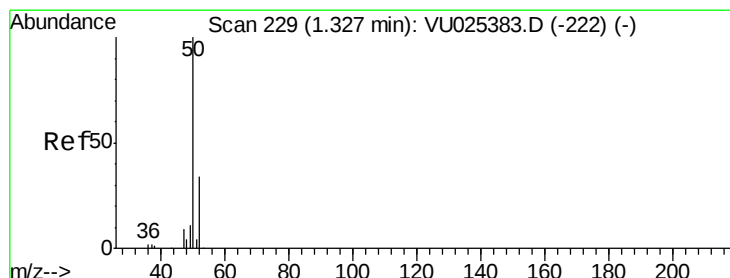
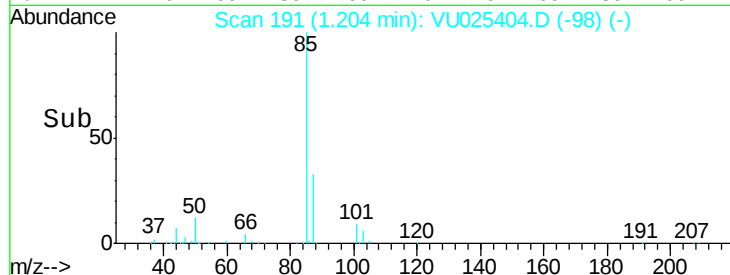
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.778 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025404.D

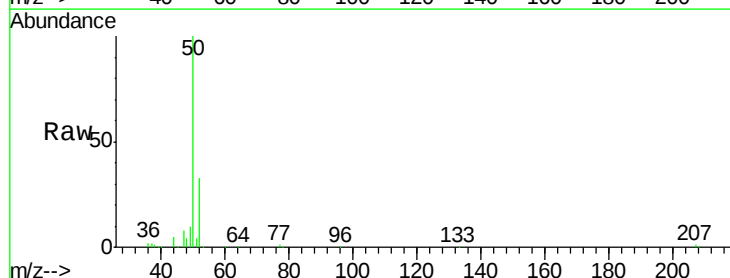
Acq: 13 Jul 2018 21:56

Tgt Ion: 50 Resp: 131640

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

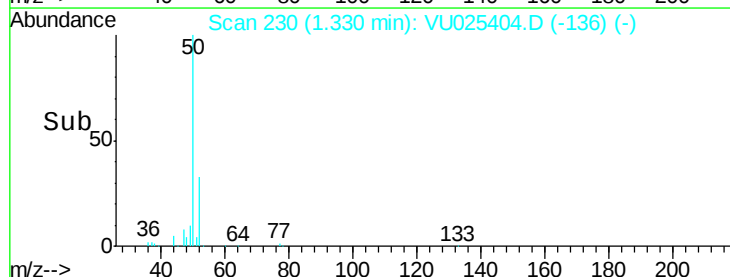
1.33

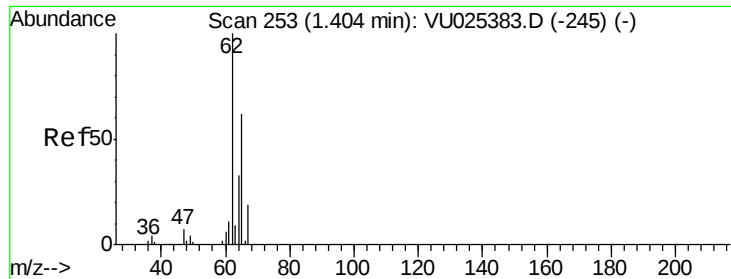
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50000

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Time-->





#5

Vinyl chloride

Concen: 46.198 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

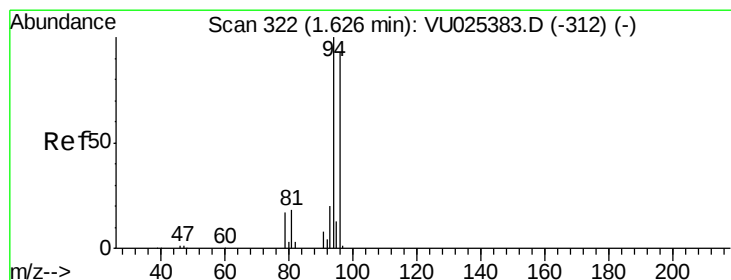
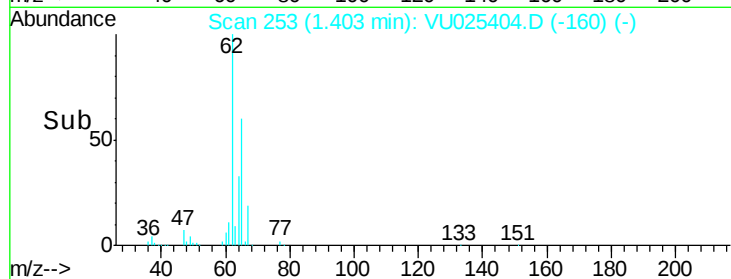
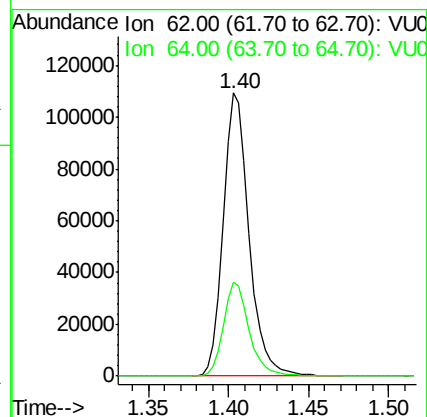
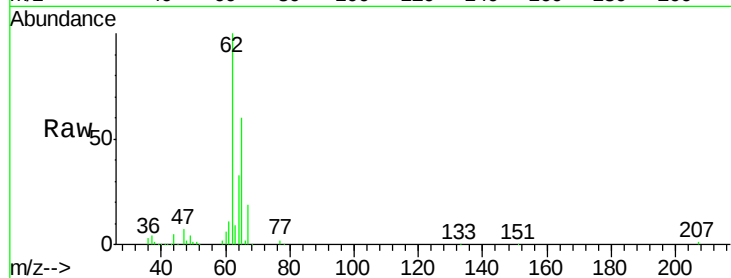
VSTD05002

Tgt Ion: 62 Resp: 121536

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.8



#6

Bromomethane

Concen: 17.887 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU025404.D

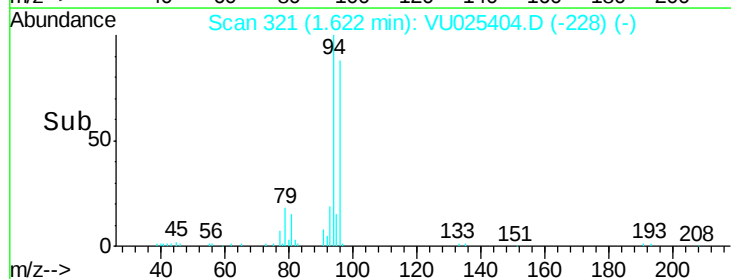
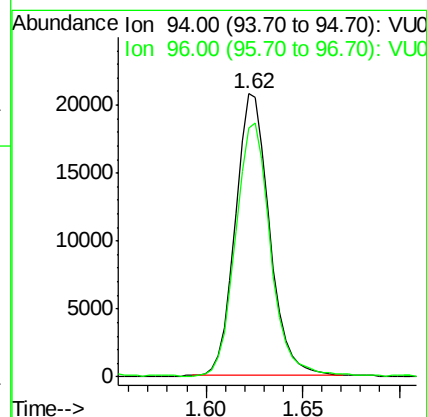
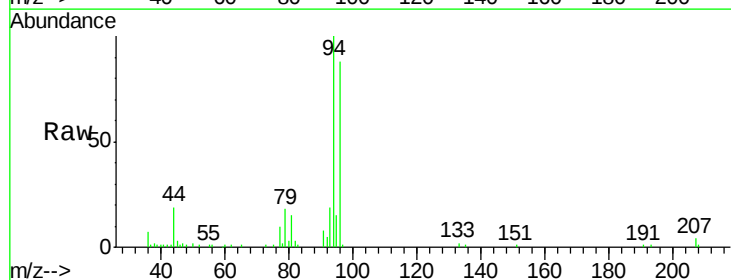
Acq: 13 Jul 2018 21:56

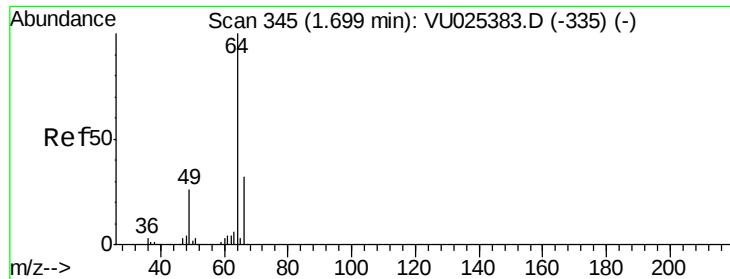
Tgt Ion: 94 Resp: 25265

Ion Ratio Lower Upper

94 100

96 88.0 68.4 127.0





#8

Chloroethane

Concen: 48.866 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

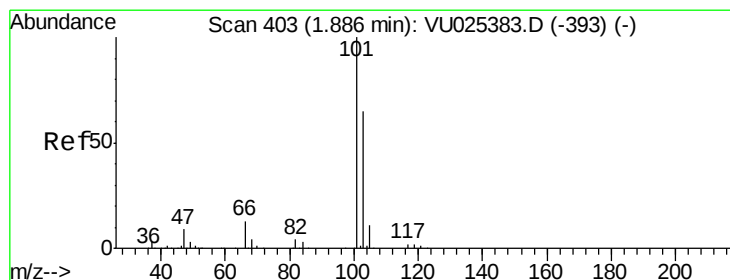
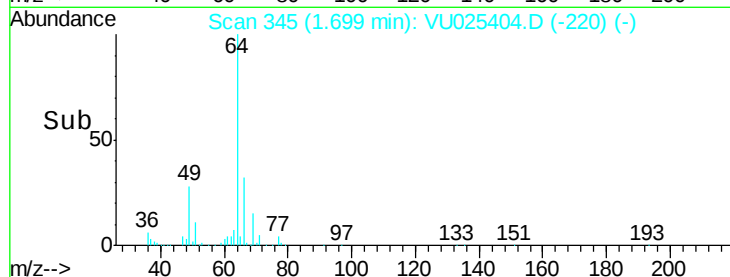
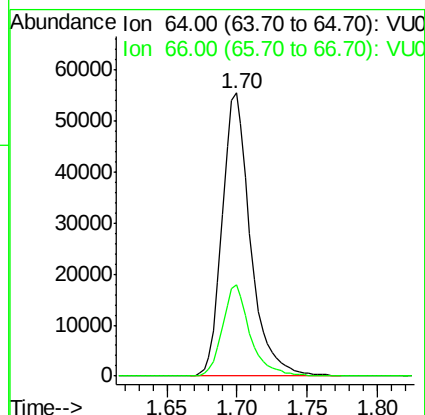
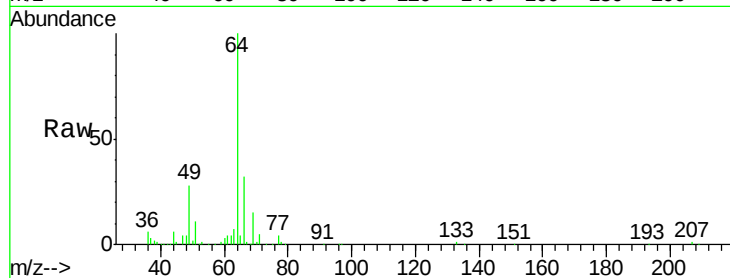
VSTD05002

Tgt Ion: 64 Resp: 77483

Ion Ratio Lower Upper

64 100

66 32.1 23.8 44.2



#9

Trichlorofluoromethane

Concen: 43.472 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025404.D

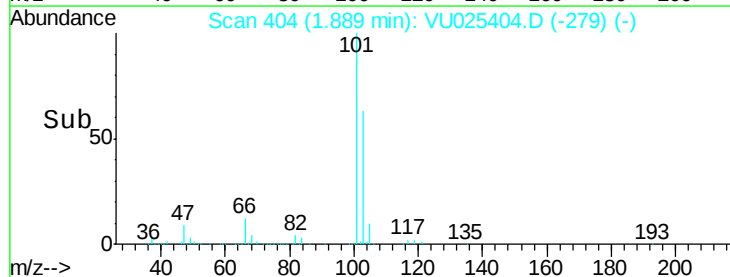
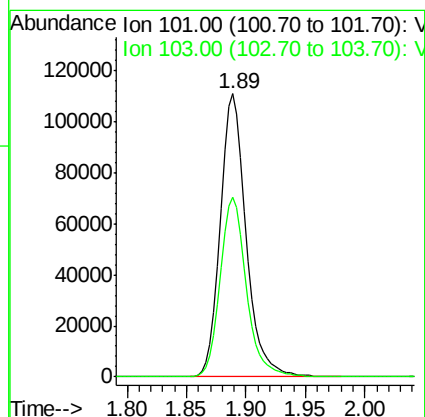
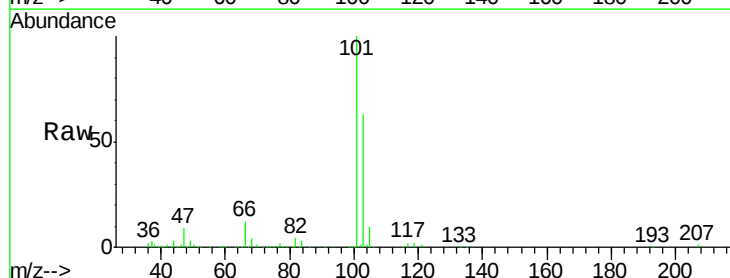
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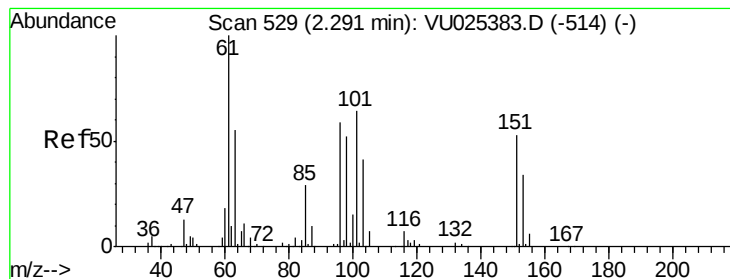
Tgt Ion: 101 Resp: 167009

Ion Ratio Lower Upper

101 100

103 64.5 51.1 76.7





#10

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

Concen: 45.925 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

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MSVOA_U

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VSTD05002

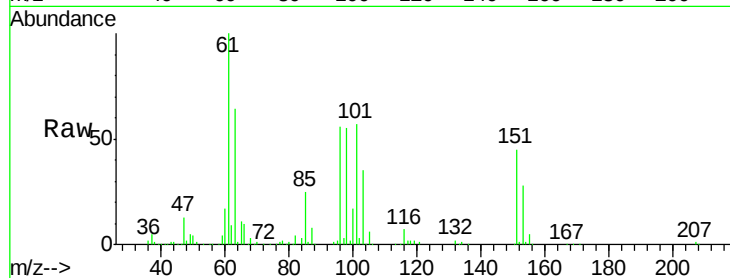
Tgt Ion:101 Resp: 104726

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

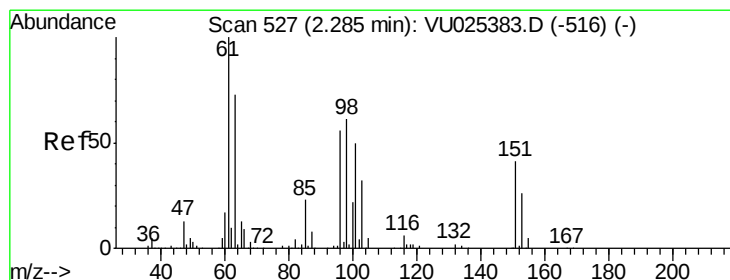
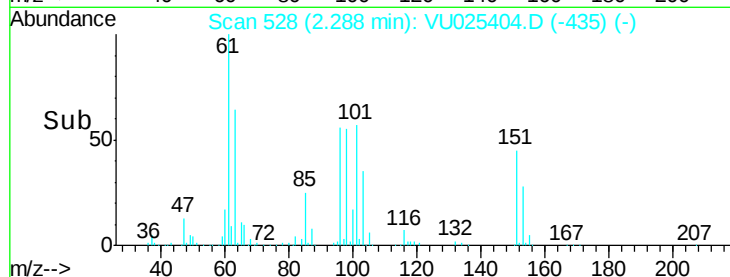
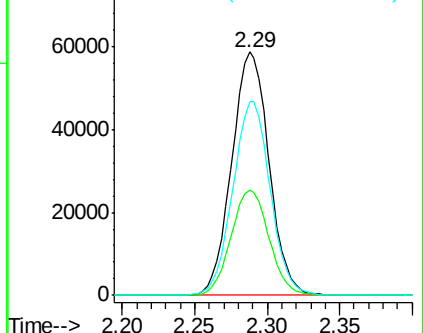
151 80.3 64.6 96.8



Abundance Ion 101.00 (100.70 to 101.70): VU025383.D (-514) (-)

Ion 85.00 (84.70 to 85.70): VU025383.D (-514) (-)

Ion 151.00 (150.70 to 151.70): VU025383.D (-514) (-)



#12

1,1-Dichloroethene

Concen: 44.937 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

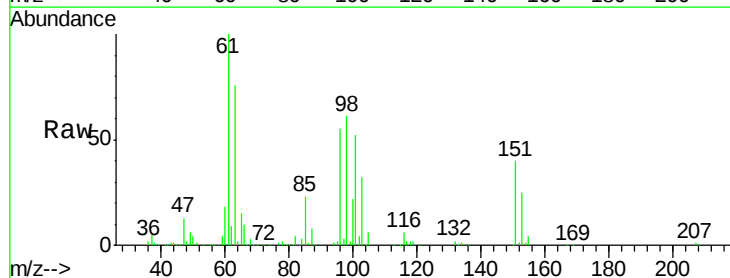
Tgt Ion: 96 Resp: 93497

Ion Ratio Lower Upper

96 100

61 180.7 128.1 237.9

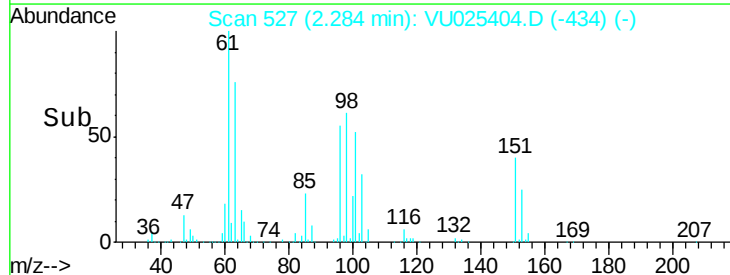
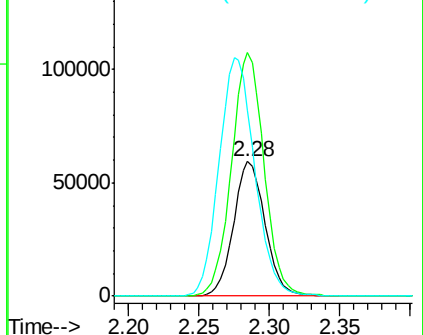
63 137.7 103.6 192.4

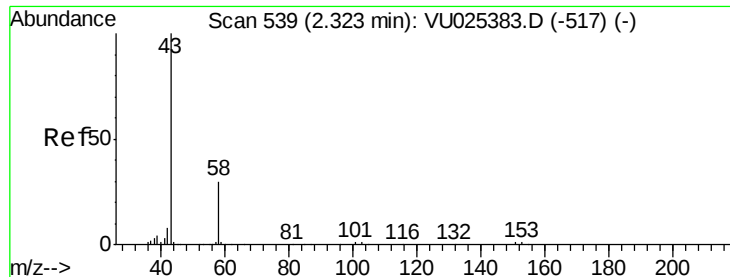


Abundance Ion 96.00 (95.70 to 96.70): VU025383.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VU025383.D (-516) (-)

Ion 63.00 (62.70 to 63.70): VU025383.D (-516) (-)





#13

Acetone

Concen: 68.424 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

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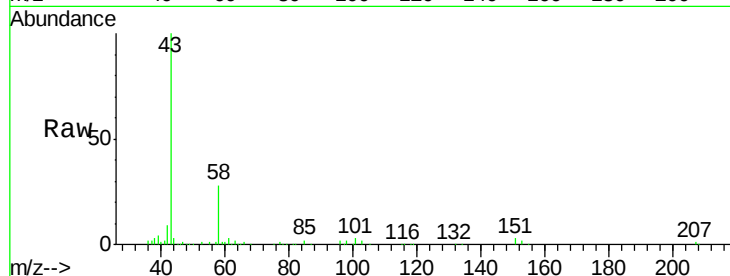
VSTD05002

Tgt Ion: 43 Resp: 119198

Ion Ratio Lower Upper

43 100

58 28.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU025383.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU025383.D (-517) (-)

2.32

80000

60000

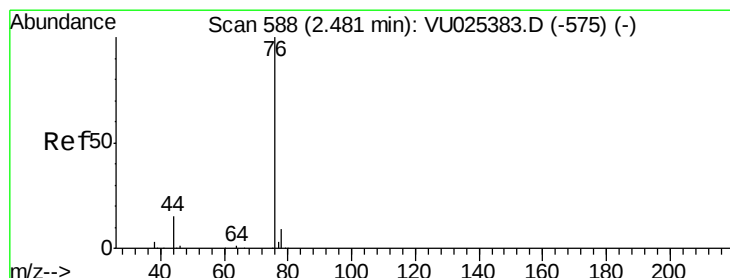
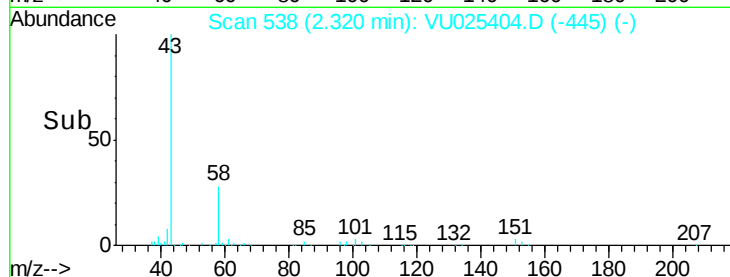
40000

20000

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Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 47.646 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025404.D

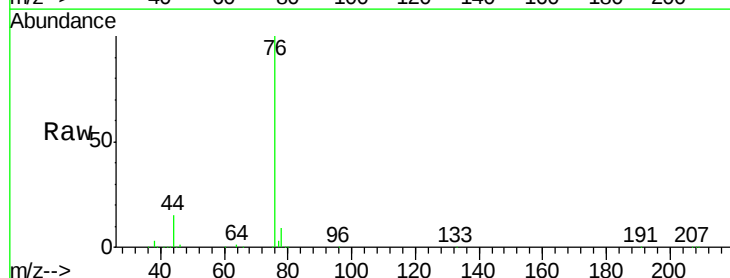
Acq: 13 Jul 2018 21:56

Tgt Ion: 76 Resp: 299336

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025383.D (-575) (-)

Ion 78.00 (77.70 to 78.70): VU025383.D (-575) (-)

2.48

200000

150000

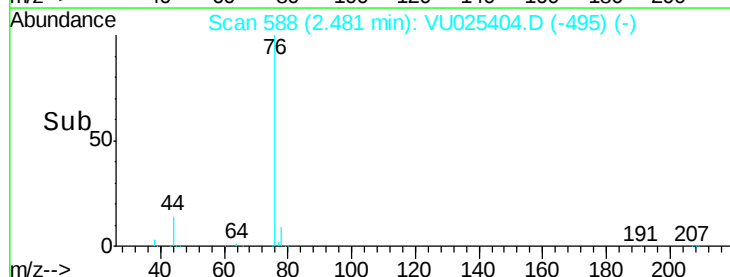
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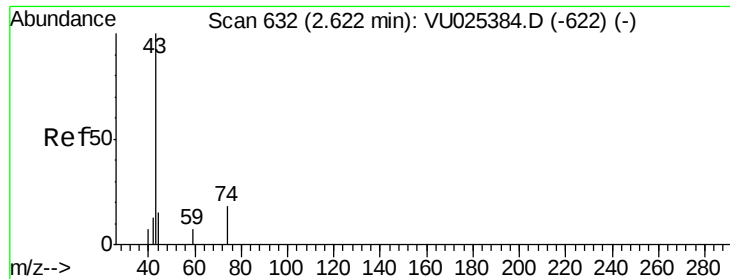
50000

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Time-->

2.40 2.45 2.50 2.55

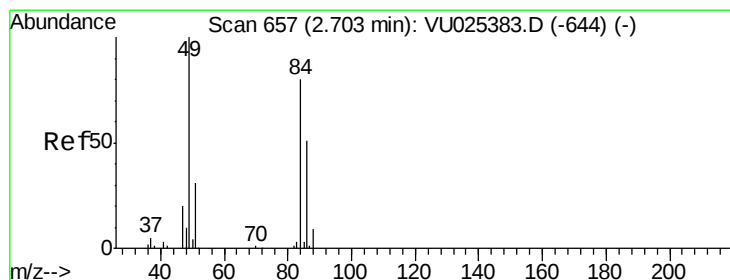
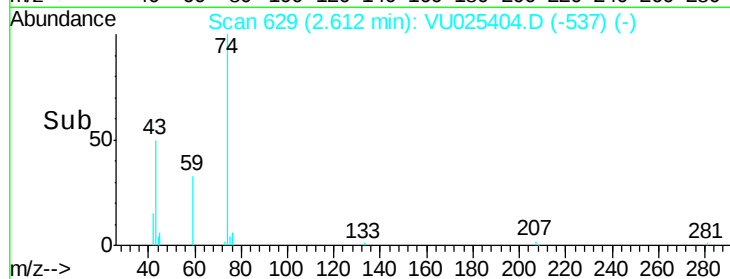
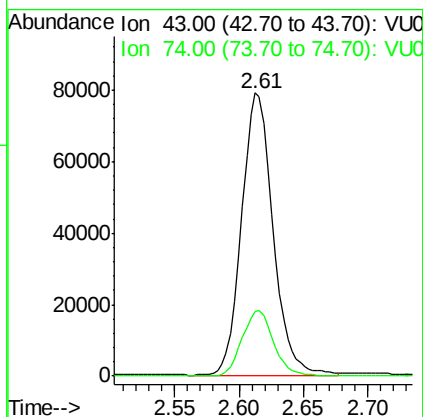
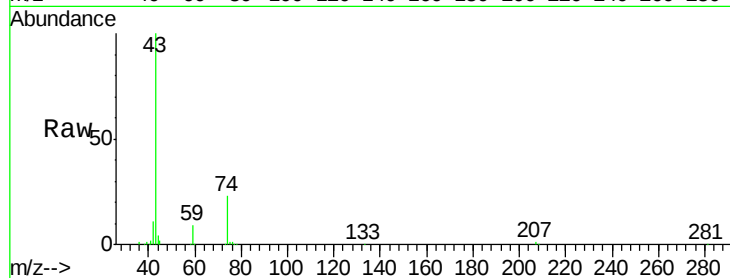




#15
Methyl Acetate
Concen: 50.205 ug/L
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU025404.D
Acq: 13 Jul 2018 21:56

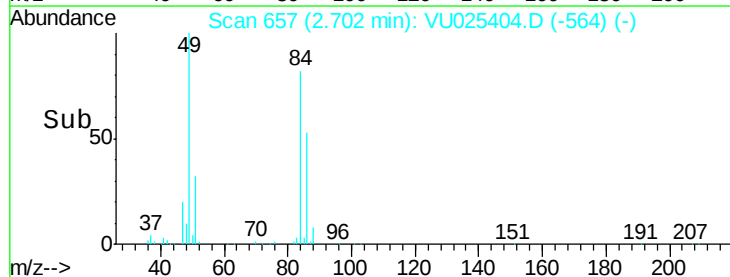
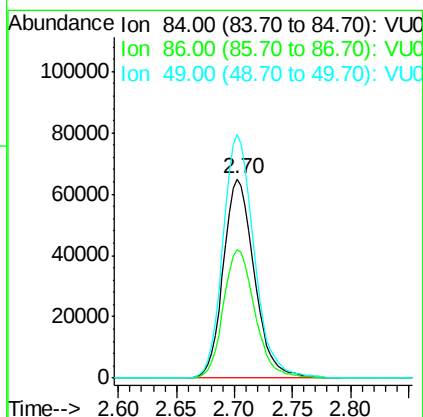
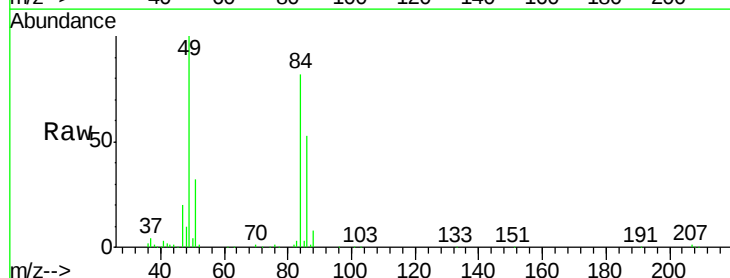
Instrument :
MSVOA_U
ClientSampleId :
VSTD05002

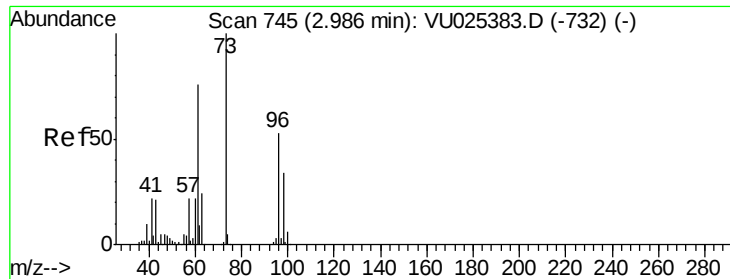
Tgt Ion: 43 Resp: 133820
Ion Ratio Lower Upper
43 100
74 23.6 18.6 28.0



#16
Methylene chloride
Concen: 49.389 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025404.D
Acq: 13 Jul 2018 21:56

Tgt Ion: 84 Resp: 120585
Ion Ratio Lower Upper
84 100
86 64.3 44.9 83.5
49 122.2 85.6 159.0





#17

trans-1,2-Dichloroethene

Concen: 48.245 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampled :

VSTD05002

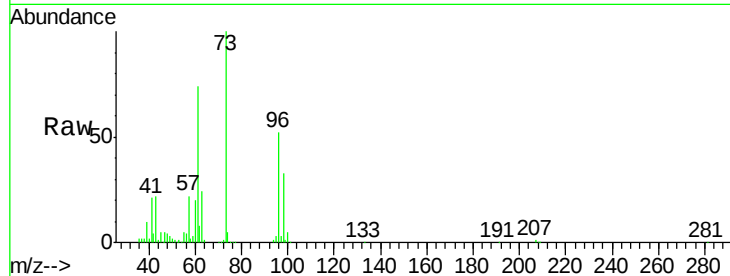
Tgt Ion: 96 Resp: 108679

Ion Ratio Lower Upper

96 100

61 142.5 102.7 190.7

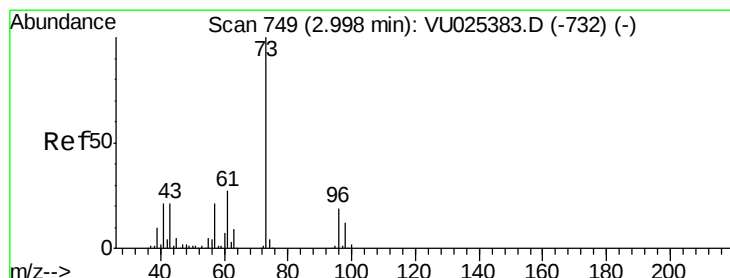
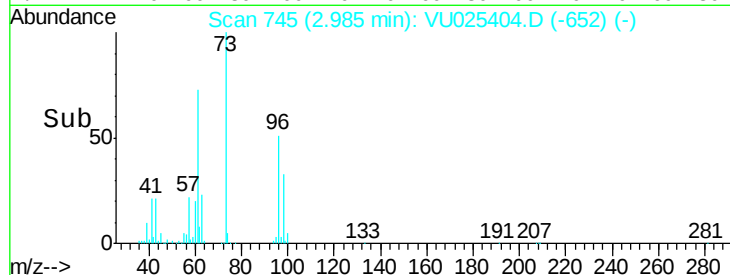
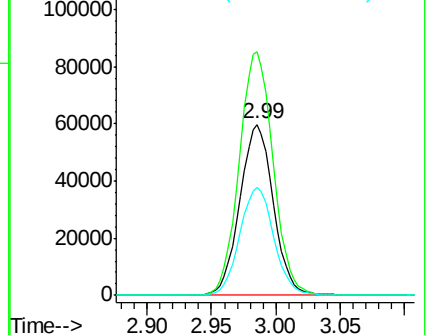
98 63.3 44.4 82.5



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: 48.540 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

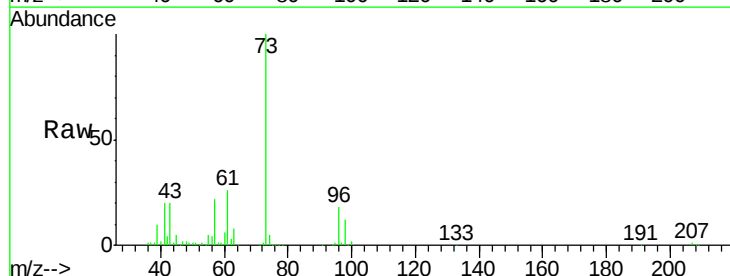
Tgt Ion: 73 Resp: 380485

Ion Ratio Lower Upper

73 100

43 20.9 17.2 25.8

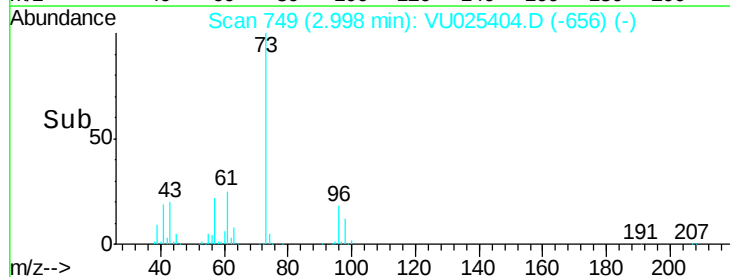
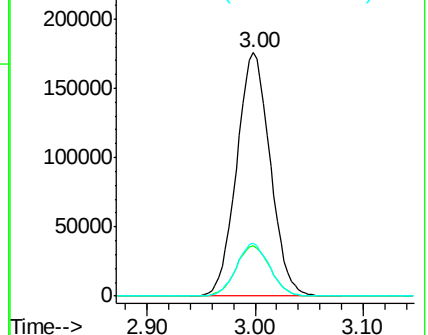
57 21.5 17.2 25.8

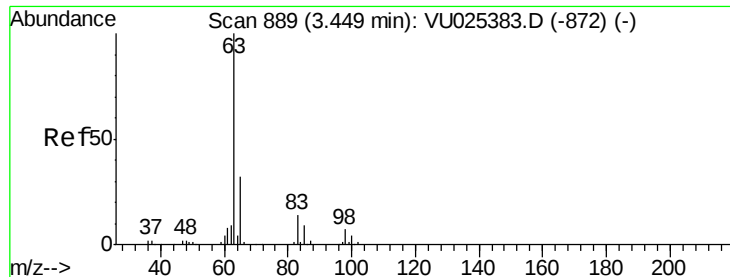


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 48.854 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05002

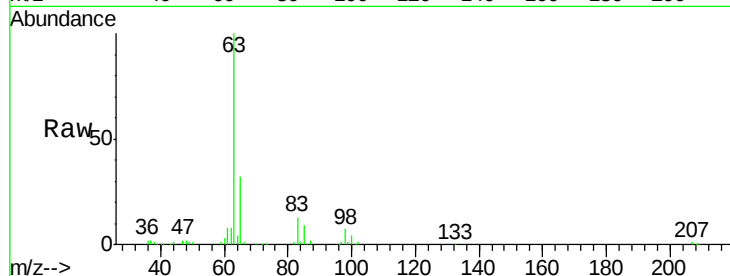
Tgt Ion: 63 Resp: 209473

Ion Ratio Lower Upper

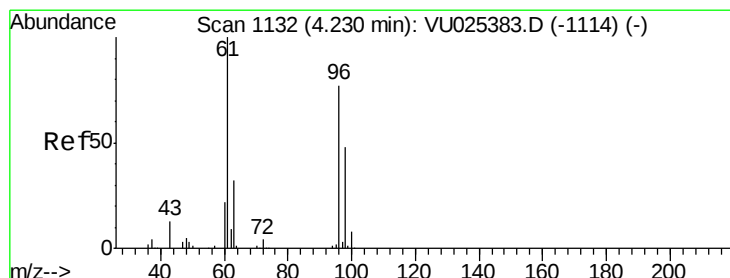
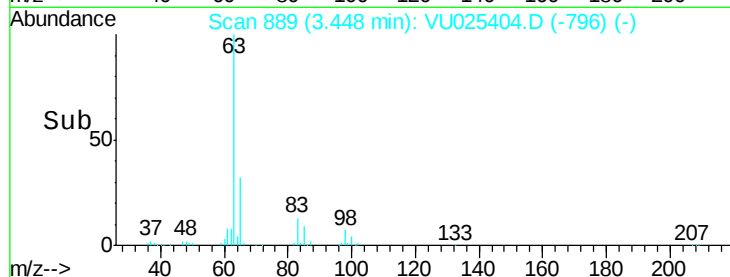
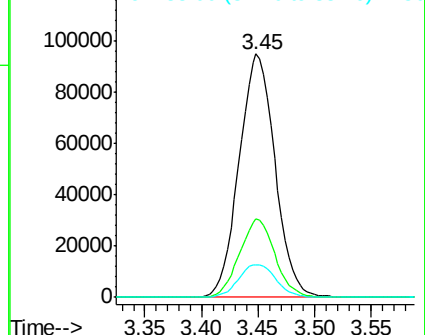
63 100

65 32.0 21.9 40.7

83 13.5 9.7 18.1



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



#20

cis-1,2-Dichloroethene

Concen: 49.280 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

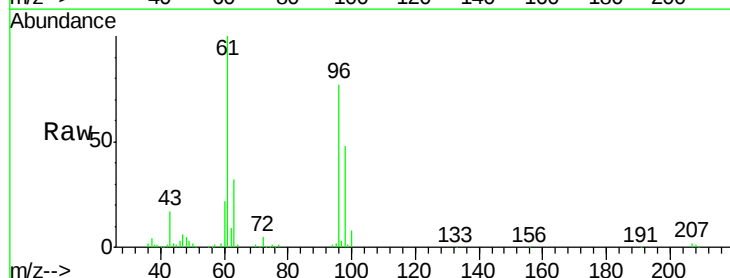
Tgt Ion: 96 Resp: 128210

Ion Ratio Lower Upper

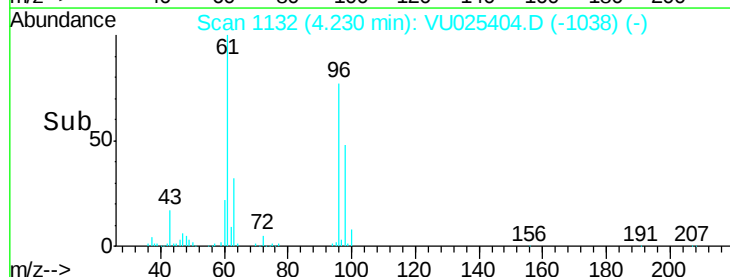
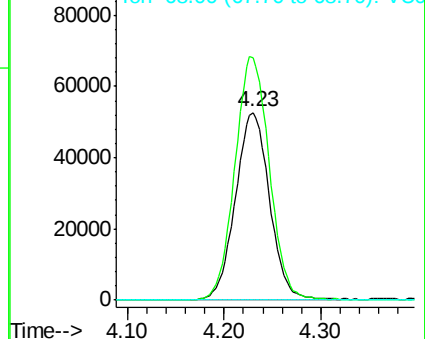
96 100

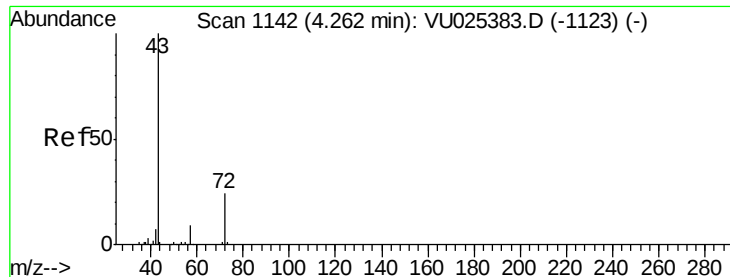
61 129.4 93.4 173.6

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 92.479 ug/L

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

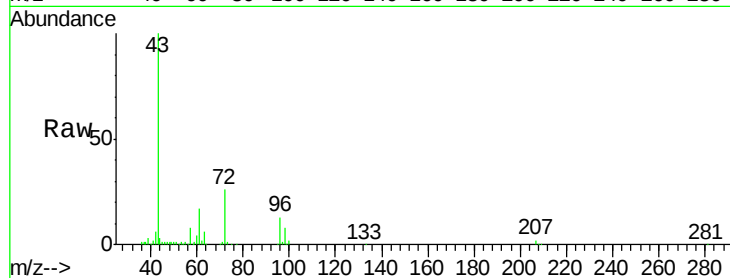
VSTD05002

Tgt Ion: 43 Resp: 190587

Ion Ratio Lower Upper

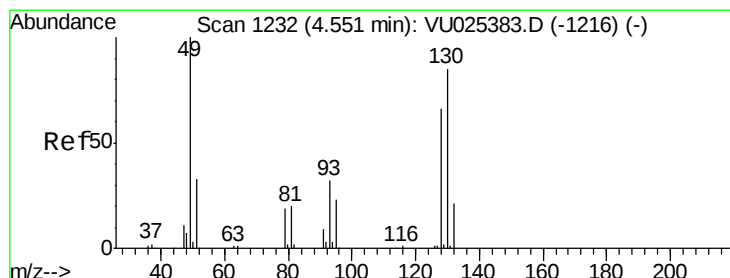
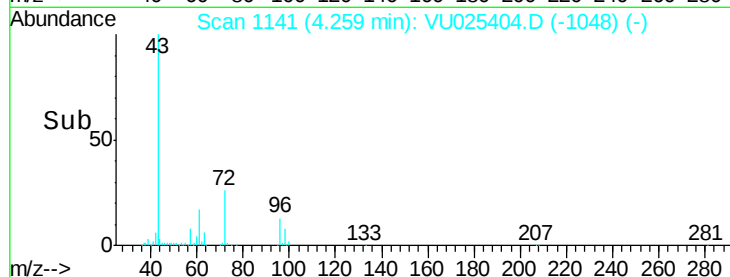
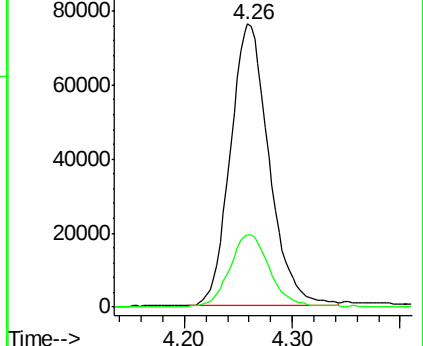
43 100

72 27.0 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 43.910 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Tgt Ion: 128 Resp: 58730

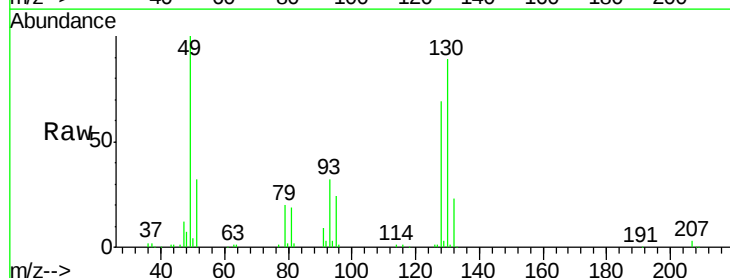
Ion Ratio Lower Upper

128 100

49 144.7 106.1 197.1

130 129.1 87.7 162.9

51 46.1 36.8 55.2

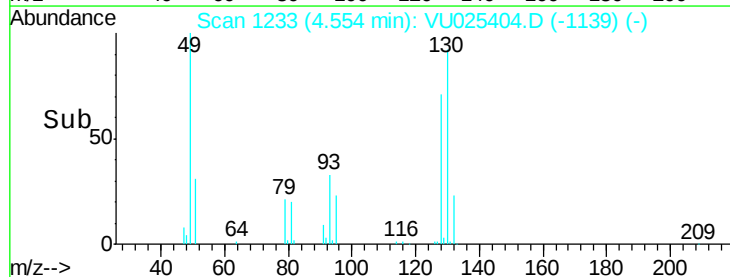
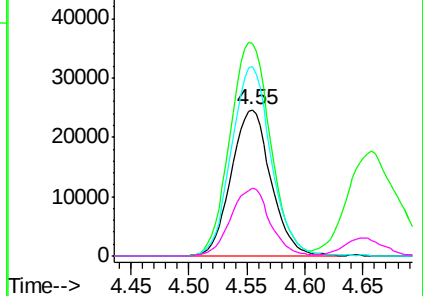


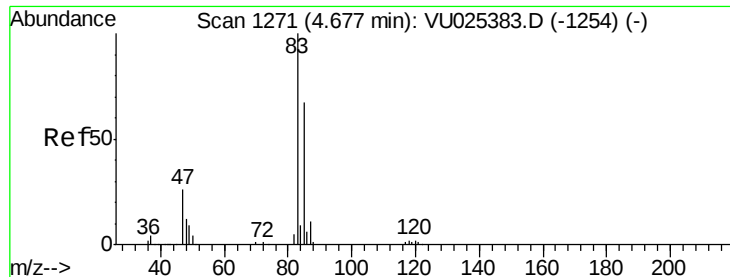
Abundance Ion 128.00 (127.70 to 128.70): V

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: 48.691 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

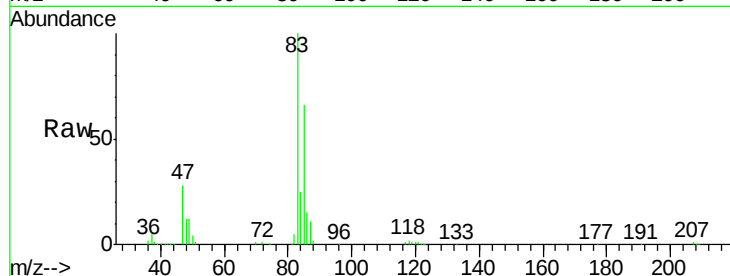
VSTD05002

Tgt Ion: 83 Resp: 222908

Ion Ratio Lower Upper

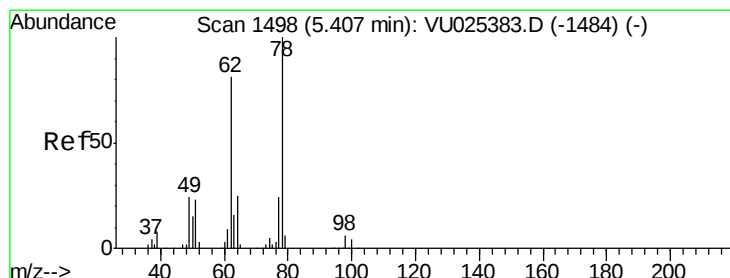
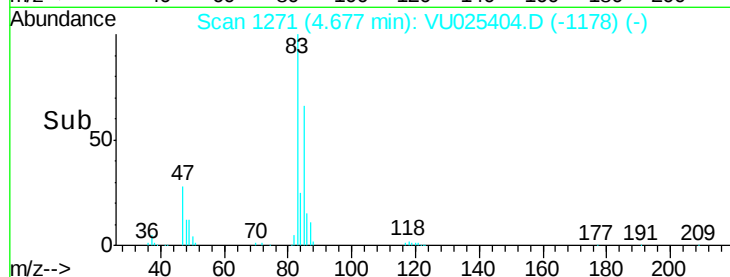
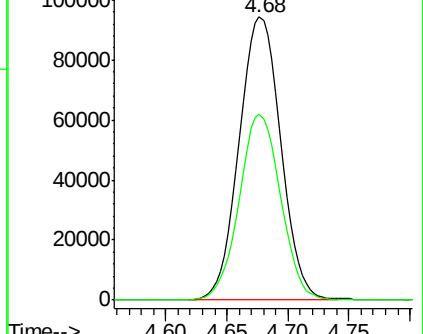
83 100

85 65.6 44.7 83.1



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 48.553 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025404.D

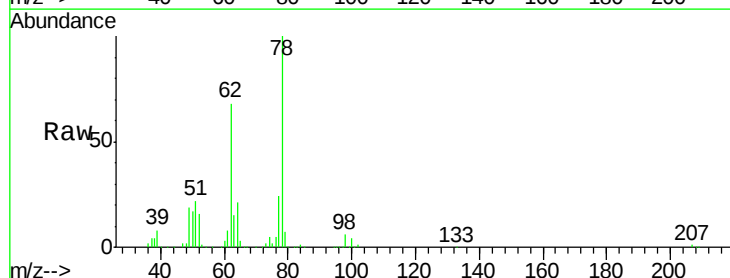
Acq: 13 Jul 2018 21:56

Tgt Ion: 62 Resp: 186288

Ion Ratio Lower Upper

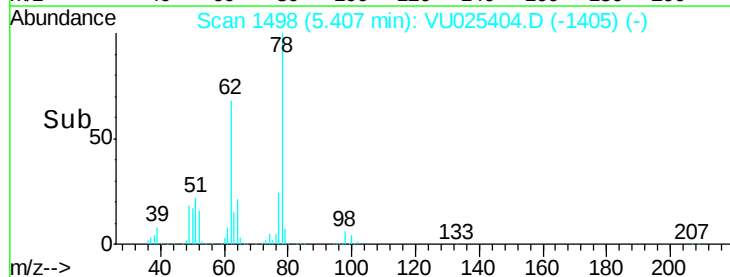
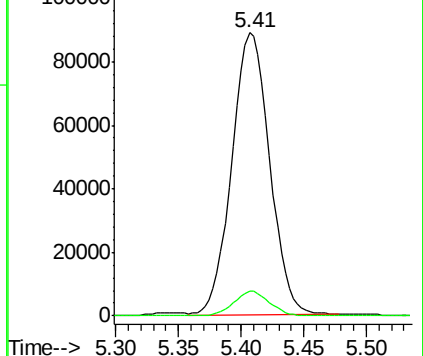
62 100

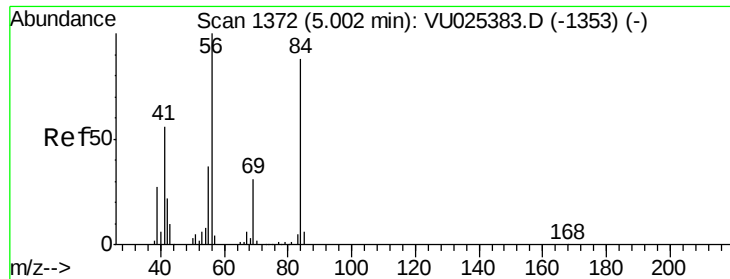
98 8.6 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

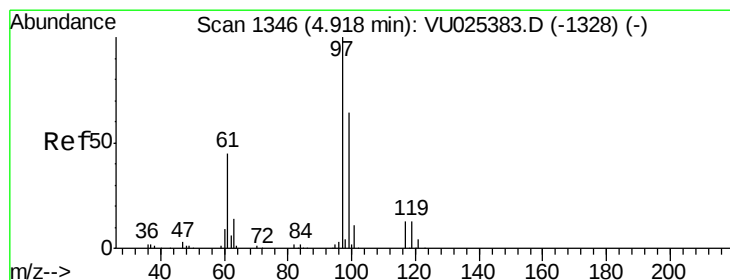
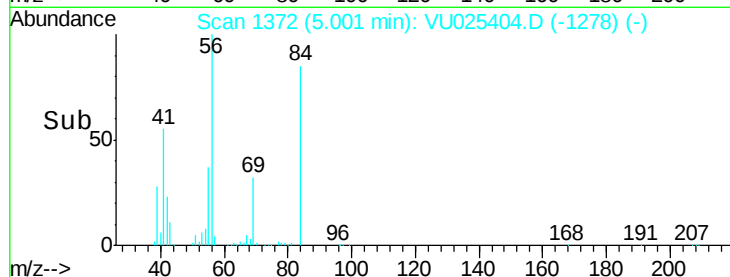
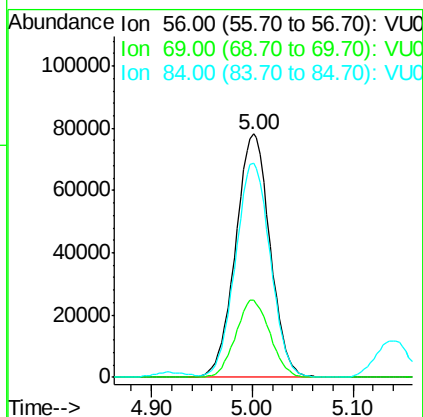
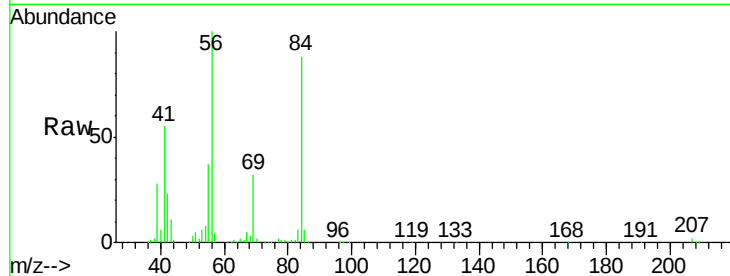




#29
Cyclohexane
Concen: 45.394 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025404.D
Acq: 13 Jul 2018 21:56

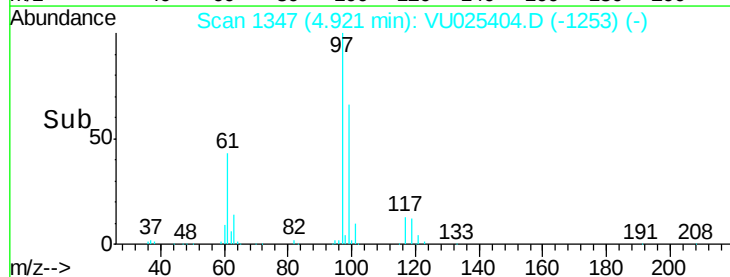
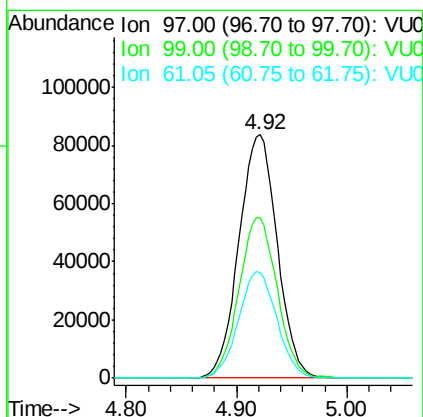
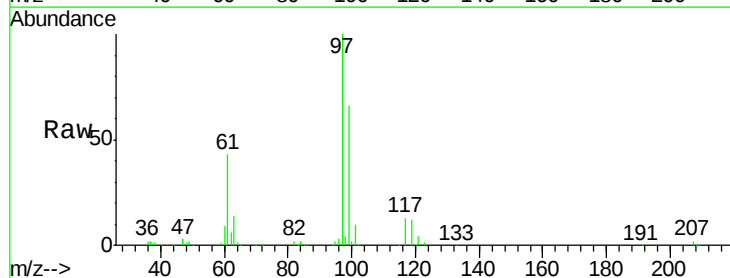
Instrument :
MSVOA_U
ClientSampleId :
VSTD05002

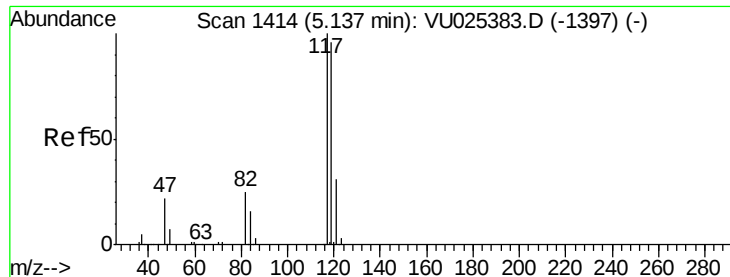
Tgt Ion: 56 Resp: 184864
Ion Ratio Lower Upper
56 100
69 31.6 25.0 37.6
84 89.3 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 47.898 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025404.D
Acq: 13 Jul 2018 21:56

Tgt Ion: 97 Resp: 201539
Ion Ratio Lower Upper
97 100
99 65.8 51.4 77.2
61 43.7 35.5 53.3





#31

Carbon tetrachloride

Concen: 47.743 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

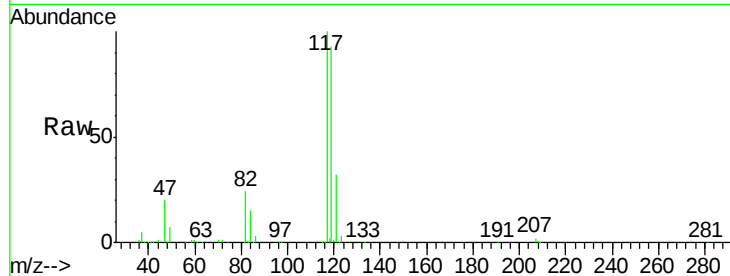
VSTD05002

Tgt Ion:117 Resp: 175572

Ion Ratio Lower Upper

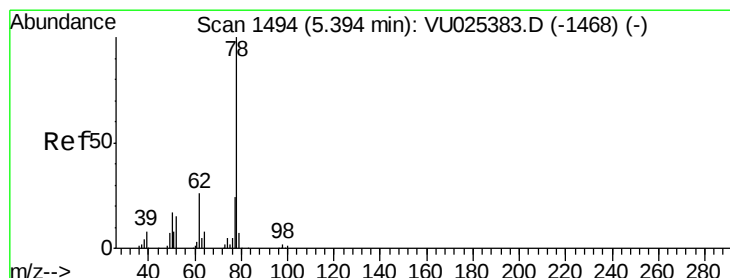
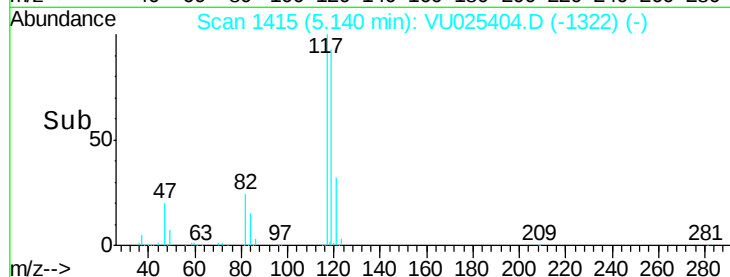
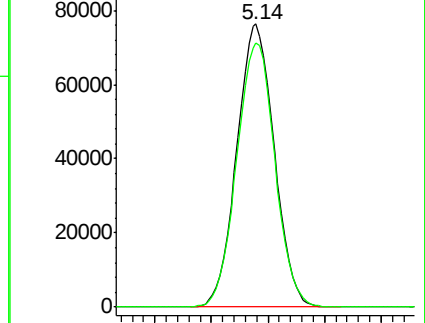
117 100

119 95.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.025 ug/L

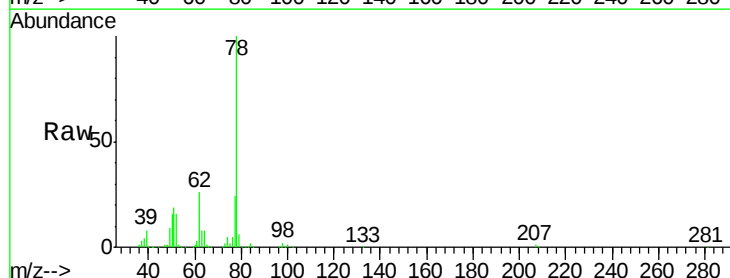
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Tgt Ion: 78 Resp: 458834



Abundance Ion 78.00 (77.70 to 78.70): VU0

250000

200000

150000

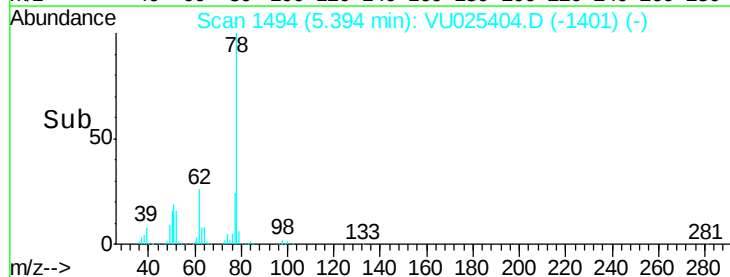
100000

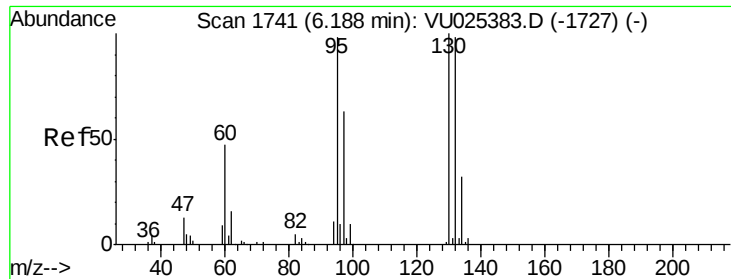
50000

0

5.30 5.40 5.50

Time-->





#34

Trichloroethene

Concen: 48.098 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05002

Tgt Ion: 95 Resp: 122239

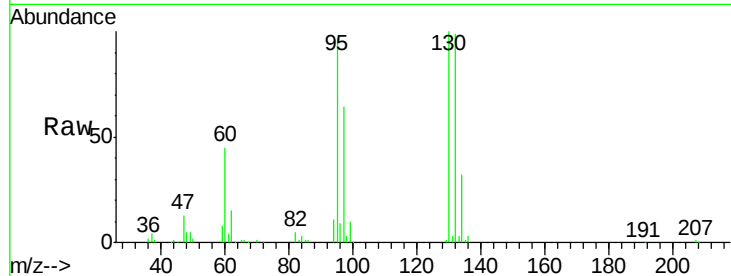
Ion Ratio Lower Upper

95 100

97 65.6 44.1 81.9

132 101.3 70.2 130.4

130 102.6 71.7 133.1

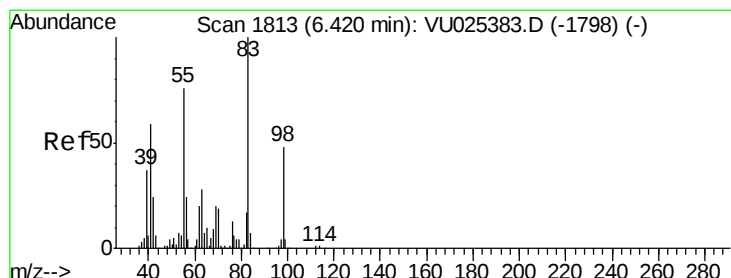
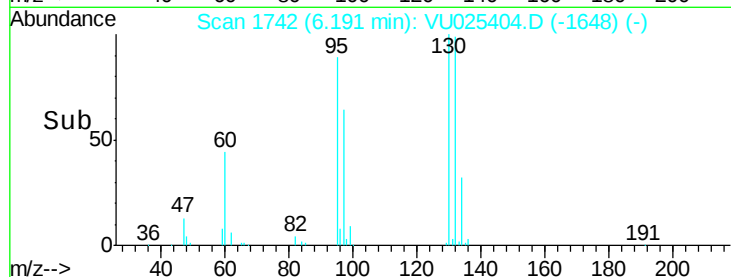
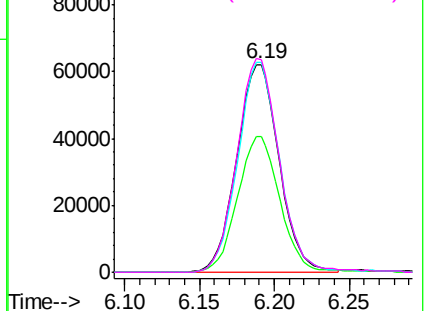


Abundance Ion 95.00 (94.70 to 95.70): VU025383.D (-1727) (-)

Ion 97.00 (96.70 to 97.70): VU025383.D (-1727) (-)

Ion 132.00 (131.70 to 132.70): VU025383.D (-1727) (-)

Ion 130.00 (129.70 to 130.70): VU025383.D (-1727) (-)



#35

Methylcyclohexane

Concen: 44.966 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

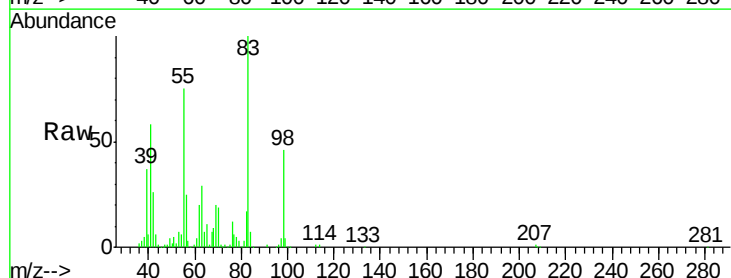
Tgt Ion: 83 Resp: 190705

Ion Ratio Lower Upper

83 100

55 77.2 61.8 92.6

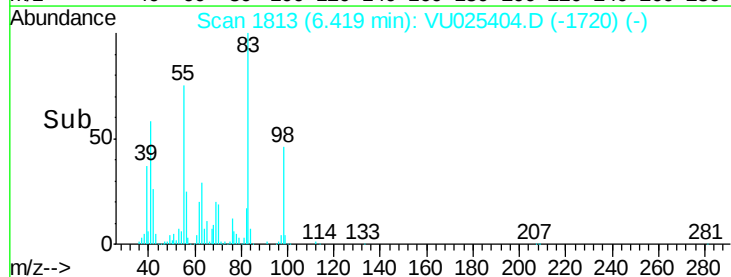
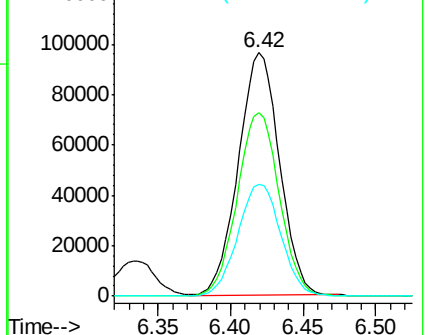
98 48.0 37.4 56.0

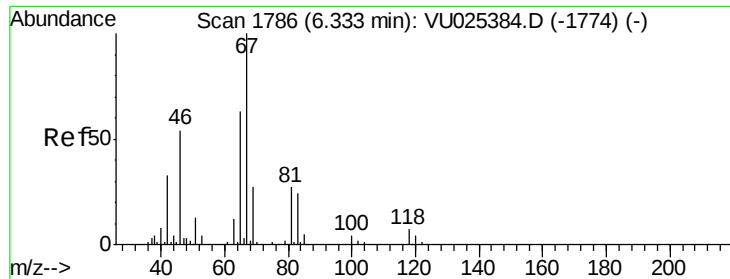


Abundance Ion 83.00 (82.70 to 83.70): VU025383.D (-1798) (-)

Ion 55.00 (54.70 to 55.70): VU025383.D (-1798) (-)

Ion 98.00 (97.70 to 98.70): VU025383.D (-1798) (-)

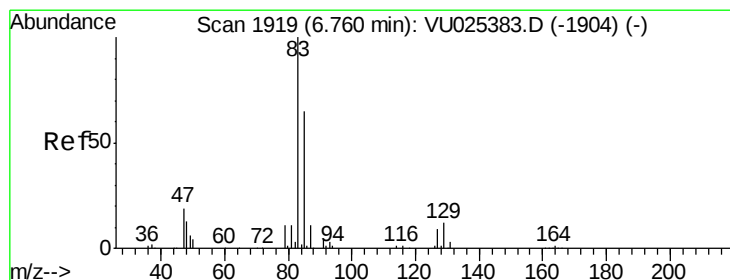
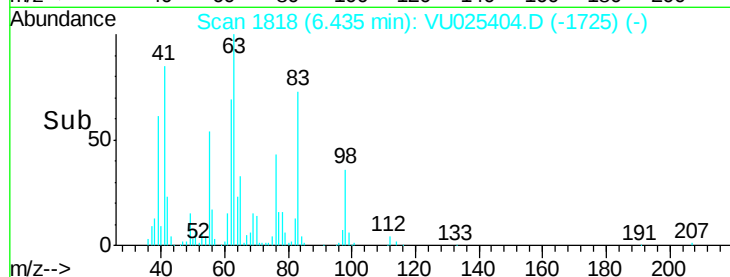
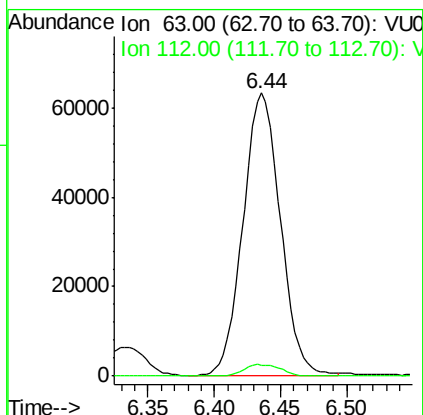
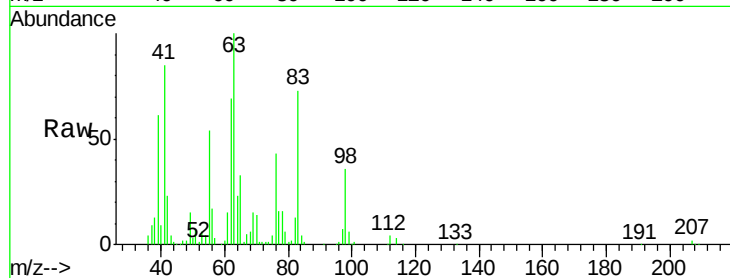




#37
 1,2-Dichloropropane
 Concen: 48.642 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

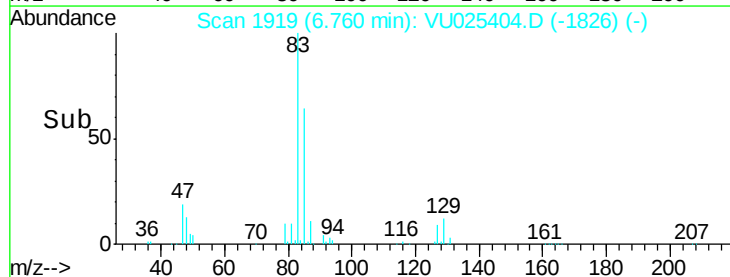
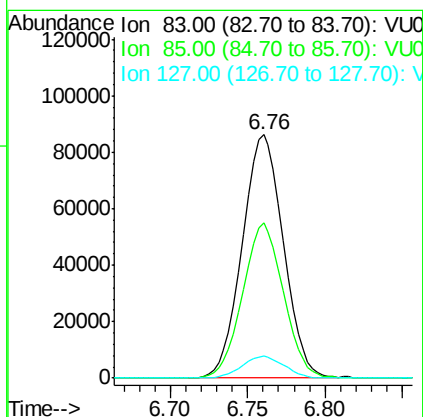
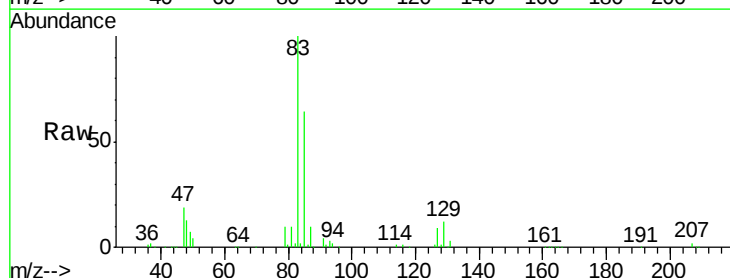
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05002

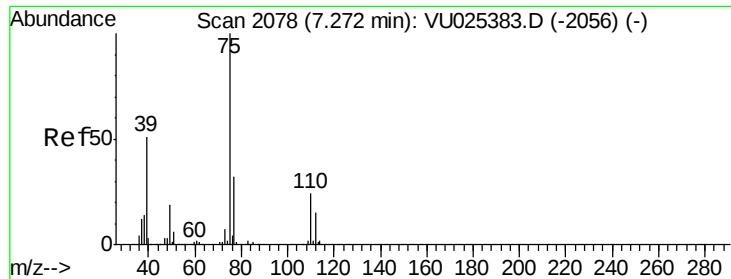
Tgt Ion: 63 Resp: 124102
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 47.106 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

Tgt Ion: 83 Resp: 159742
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.9 85.3
 127 8.9 7.7 11.5

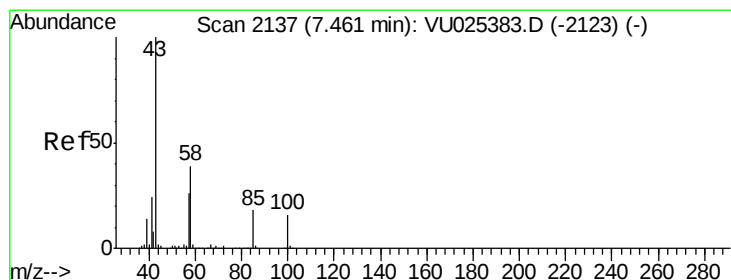
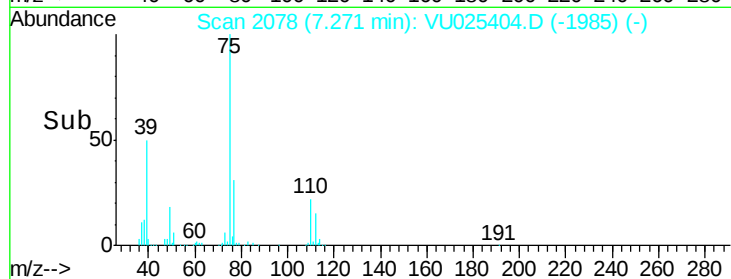
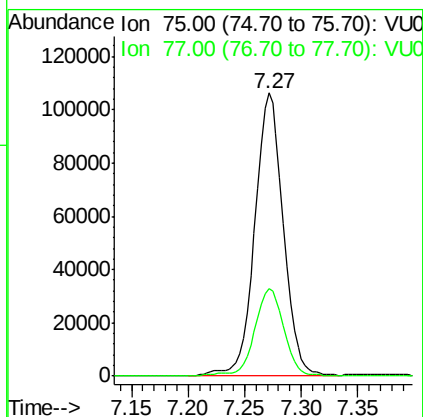
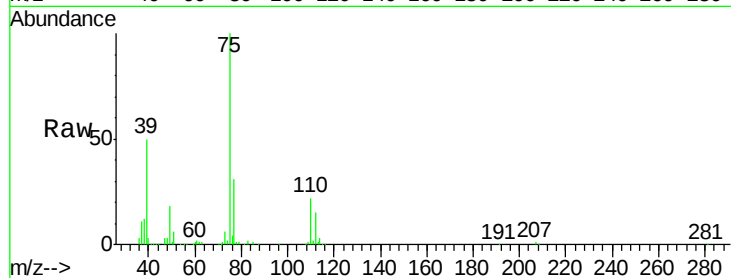




#39
 cis-1,3-Dichloropropene
 Concen: 46.189 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

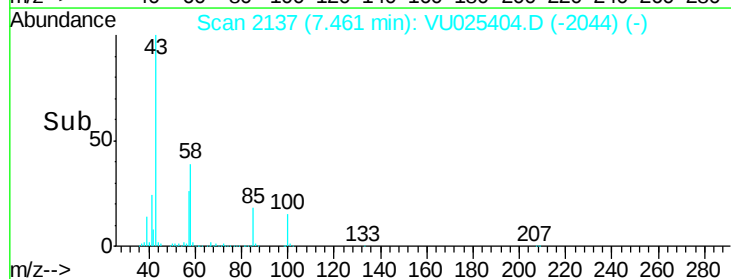
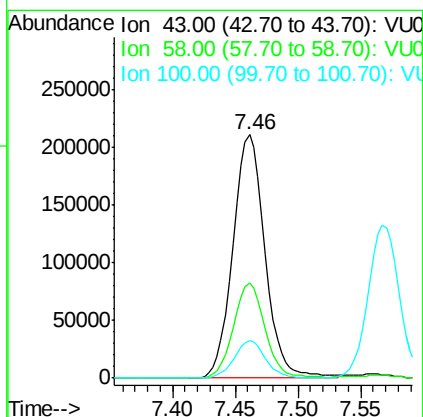
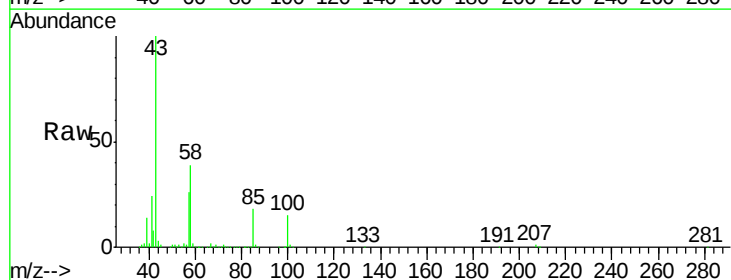
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05002

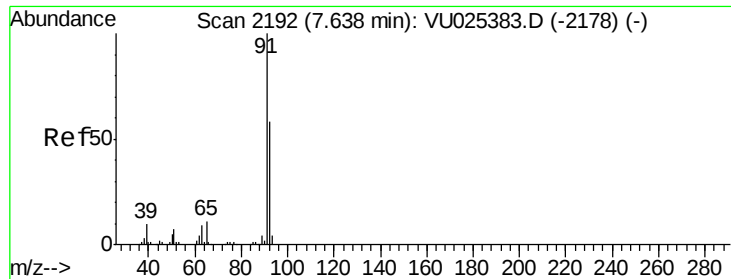
Tgt Ion: 75 Resp: 186633
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 102.098 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

Tgt Ion: 43 Resp: 375282
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.0 46.6
 100 15.1 12.3 18.5





#42

Toluene

Concen: 47.907 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

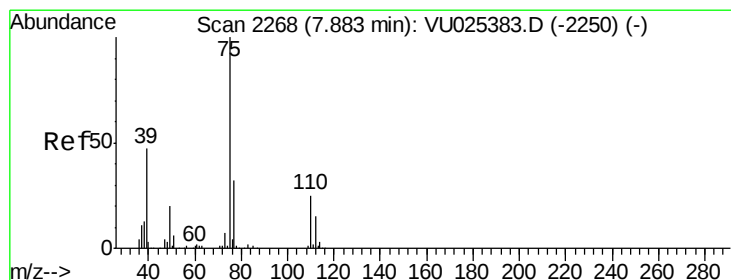
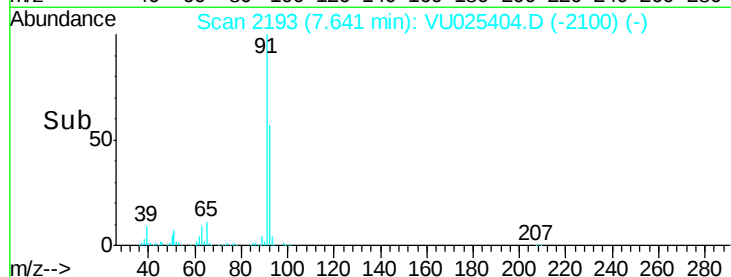
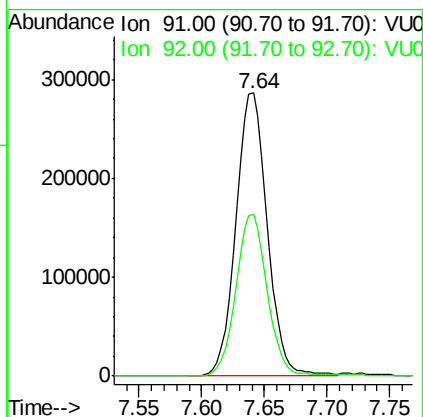
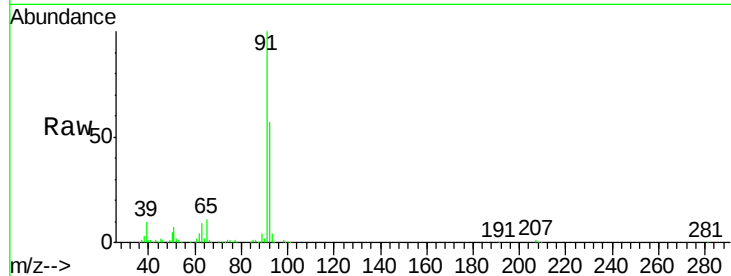
VSTD05002

Tgt Ion: 91 Resp: 497431

Ion Ratio Lower Upper

91 100

92 57.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 45.091 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025404.D

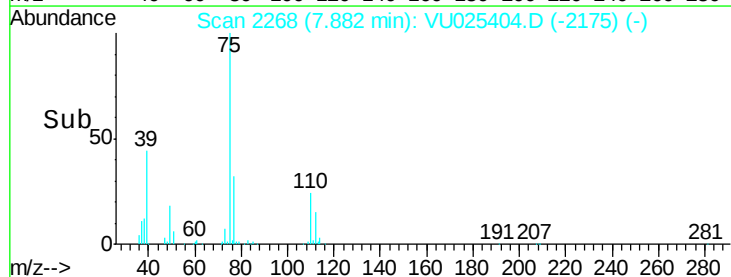
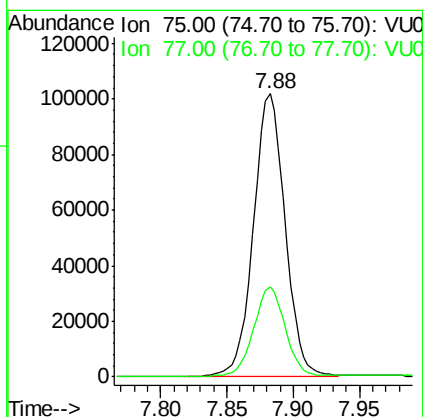
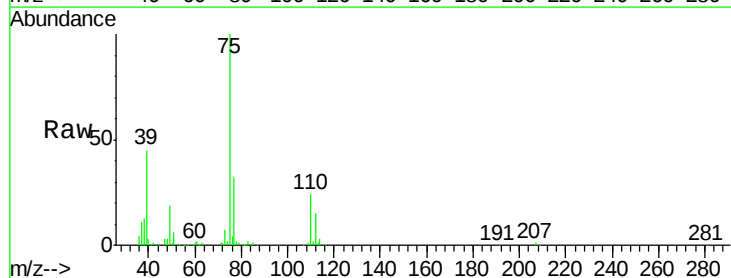
Acq: 13 Jul 2018 21:56

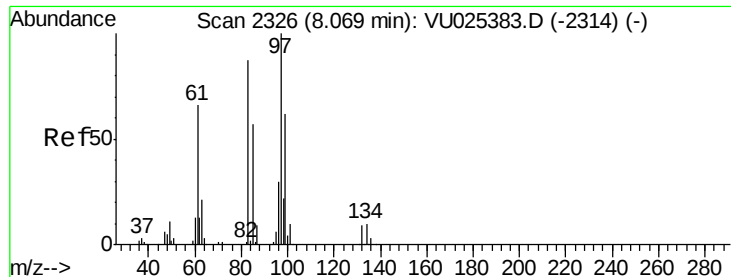
Tgt Ion: 75 Resp: 169495

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

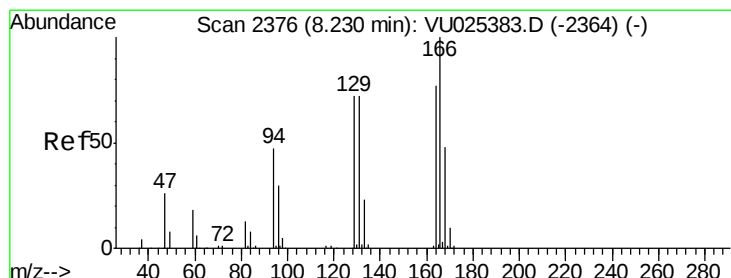
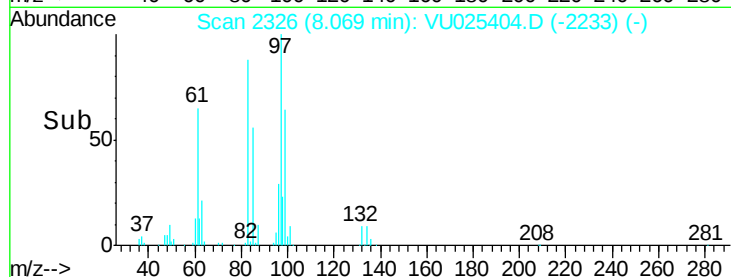
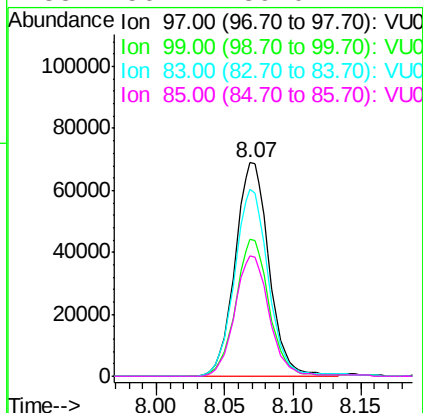
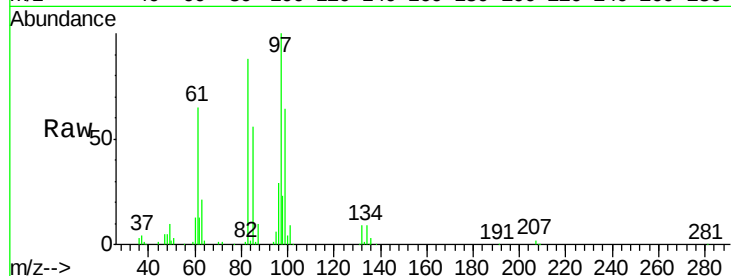




#45
 1,1,2-Trichloroethane
 Concen: 49.004 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

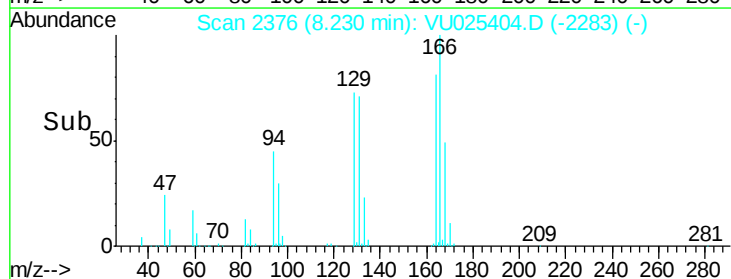
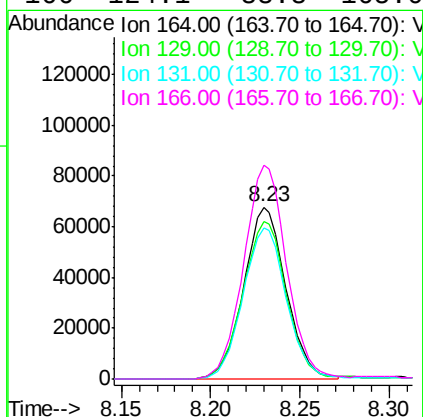
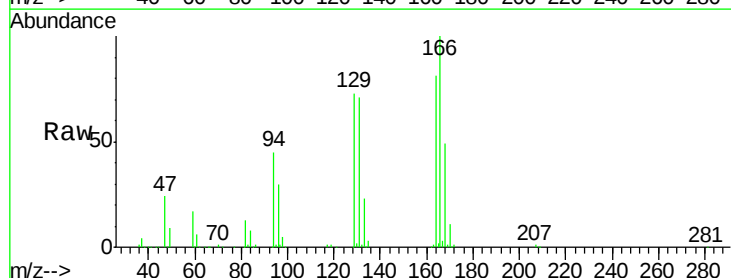
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05002

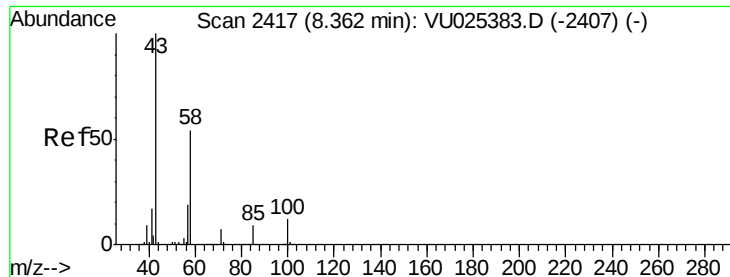
Tgt Ion:	97	Resp:	119306
Ion	Ratio	Lower	Upper
97	100		
99	64.4	44.1	81.9
83	87.8	58.7	108.9
85	56.2	39.0	72.4



#46
 Tetrachloroethene
 Concen: 51.930 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

Tgt Ion:	164	Resp:	111717
Ion	Ratio	Lower	Upper
164	100		
129	91.1	66.1	122.8
131	87.8	62.7	116.5
166	124.1	88.8	165.0

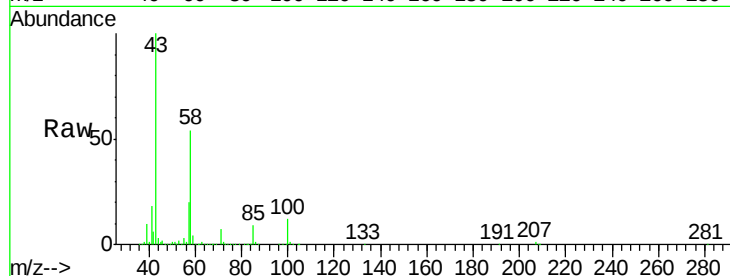




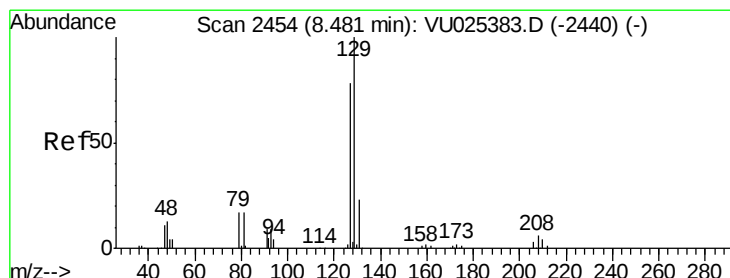
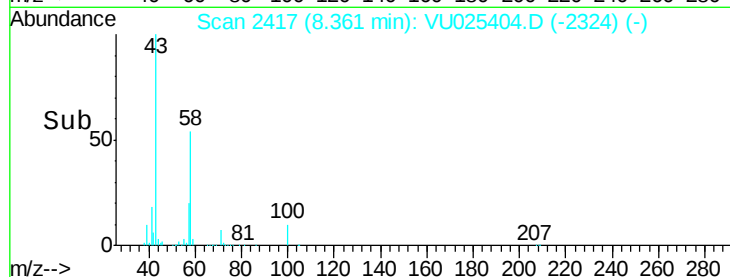
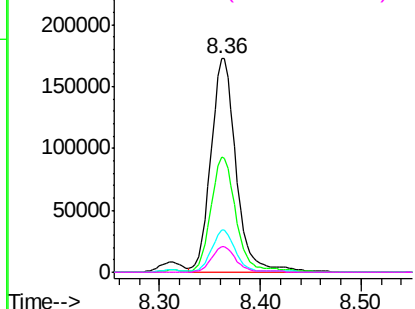
#48
2-Hexanone
Concen: 102.424 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025404.D
Acq: 13 Jul 2018 21:56

Instrument :
MSVOA_U
ClientSampled :
VSTD05002

Tgt Ion: 43 Resp: 299509
Ion Ratio Lower Upper
43 100
58 54.1 43.2 64.8
57 18.1 15.8 23.8
100 11.6 9.4 14.0

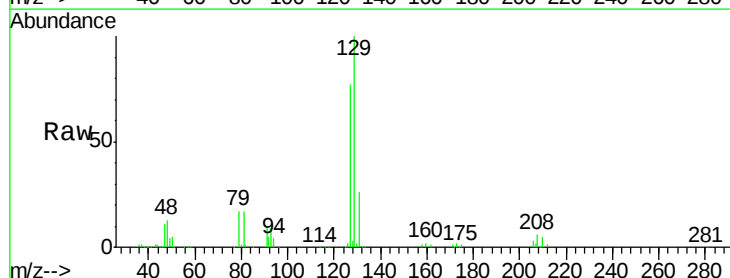


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

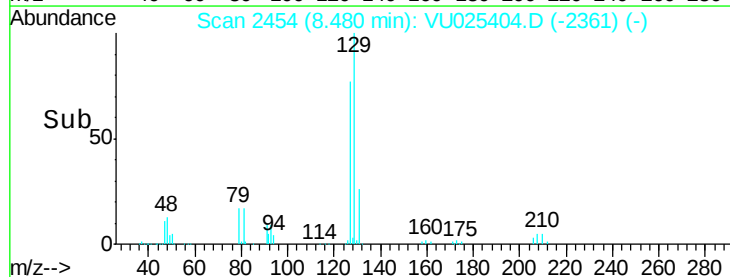
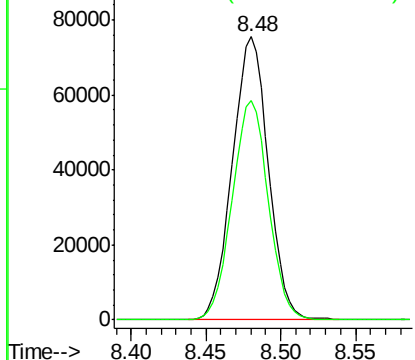


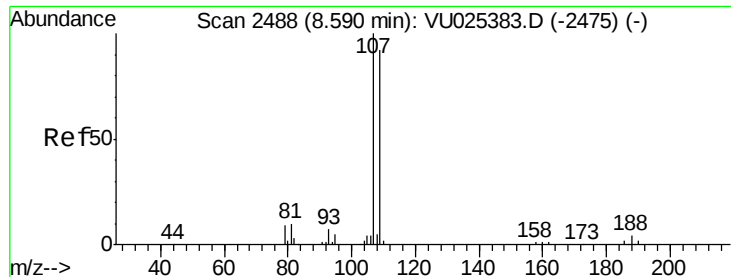
#49
Dibromochloromethane
Concen: 44.286 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025404.D
Acq: 13 Jul 2018 21:56

Tgt Ion: 129 Resp: 126523
Ion Ratio Lower Upper
129 100
127 77.4 54.6 101.4



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

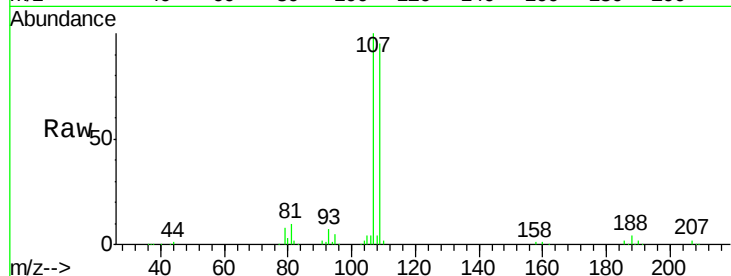




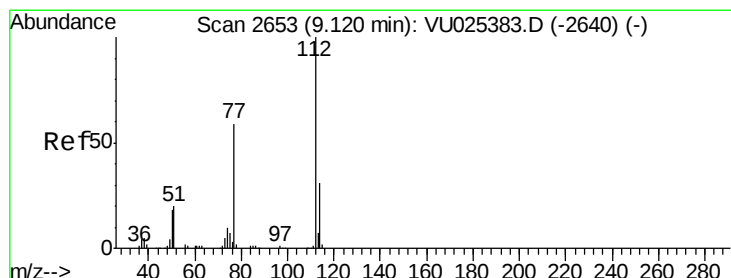
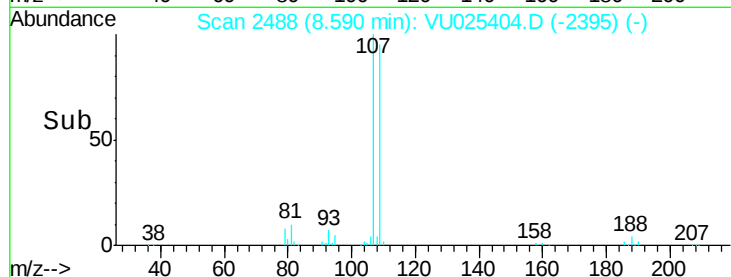
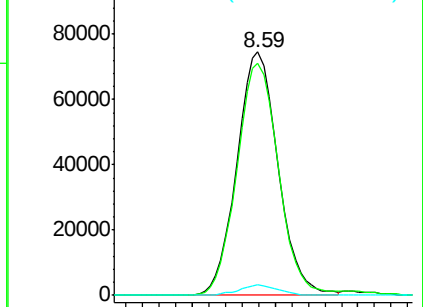
#50
 1,2-Dibromoethane
 Concen: 47.921 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05002

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	67.1	124.5
188	4.3	3.4	5.0

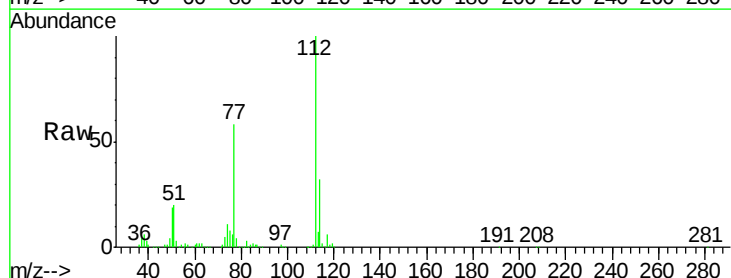


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

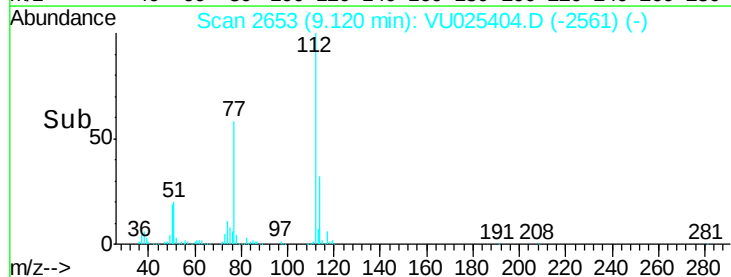
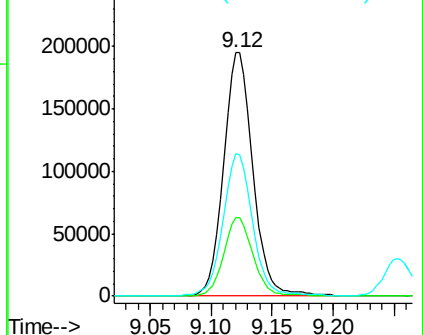


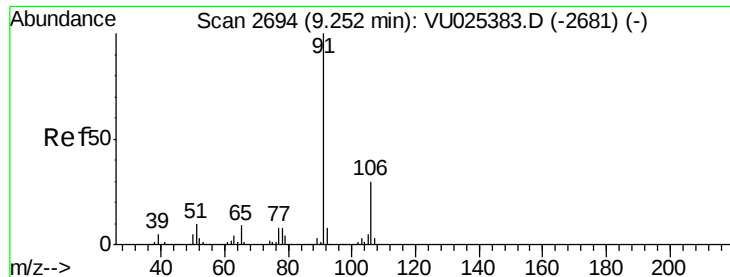
#51
 Chlorobenzene
 Concen: 47.704 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.7	42.1
77	58.3	46.2	69.4



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: 47.848 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

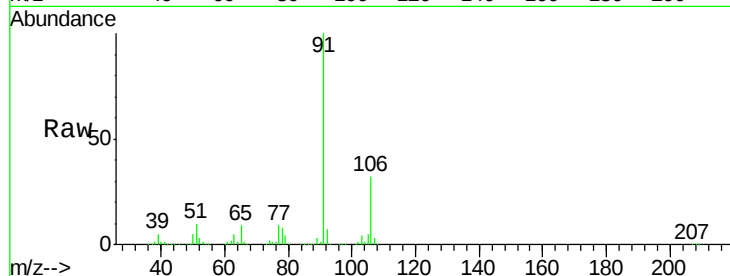
VSTD05002

Tgt Ion: 91 Resp: 558780

Ion Ratio Lower Upper

91 100

106 31.9 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.25

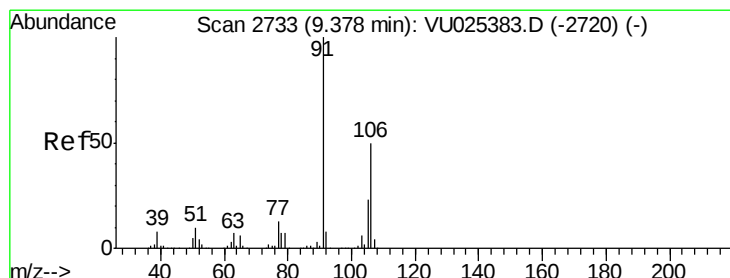
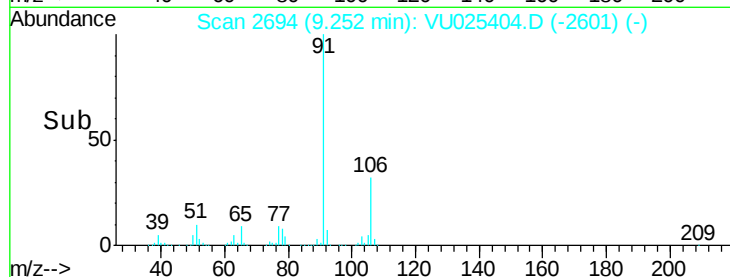
300000

200000

100000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 47.974 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025404.D

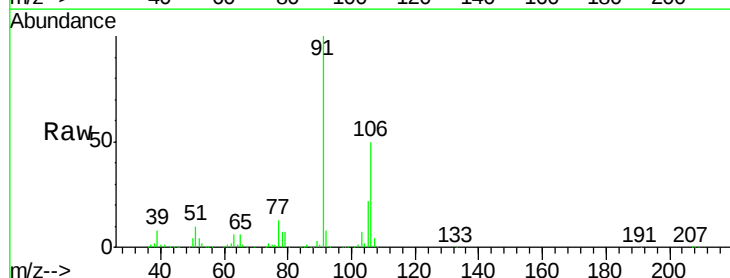
Acq: 13 Jul 2018 21:56

Tgt Ion: 106 Resp: 216808

Ion Ratio Lower Upper

106 100

91 201.8 142.0 263.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

9.38

300000

250000

200000

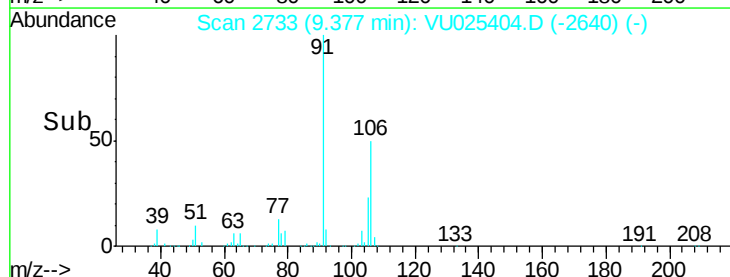
150000

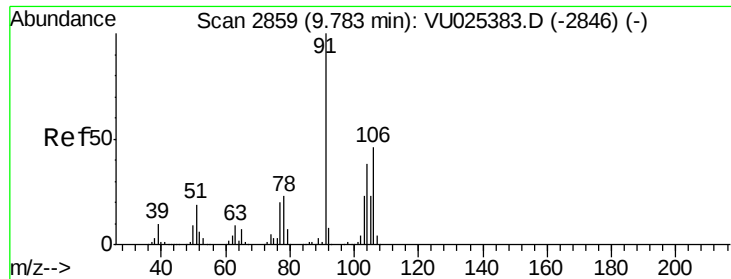
100000

50000

0

Time--> 9.30 9.35 9.40 9.45 9.50





#54

o-xylene

Concen: 48.421 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

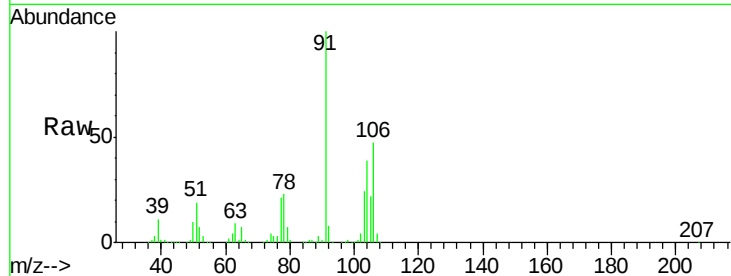
VSTD05002

Tgt Ion:106 Resp: 219488

Ion Ratio Lower Upper

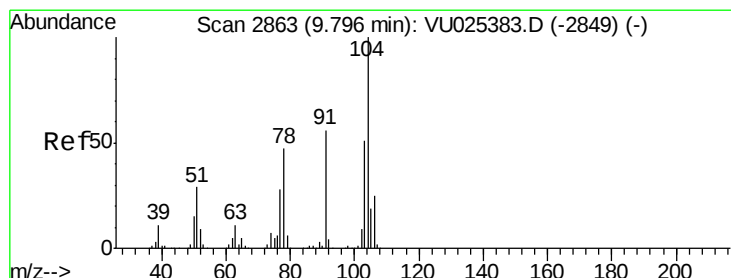
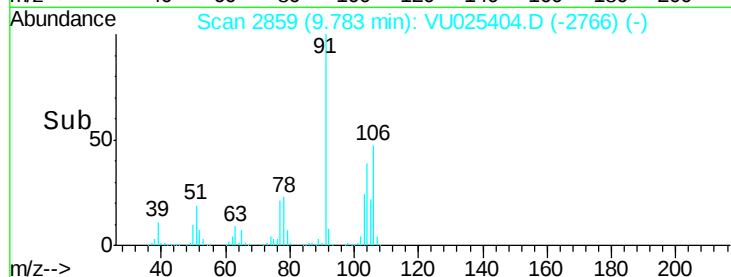
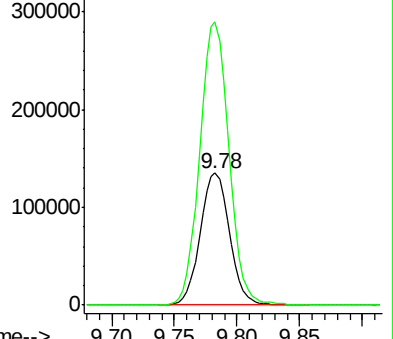
106 100

91 214.2 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.232 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025404.D

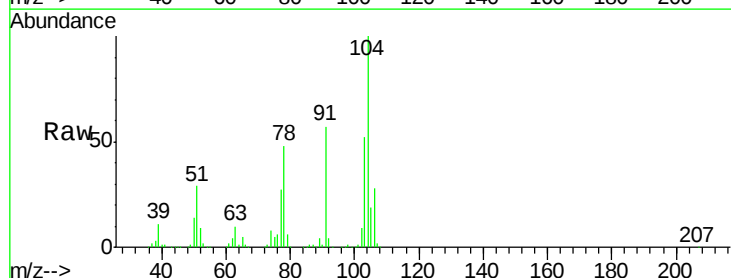
Acq: 13 Jul 2018 21:56

Tgt Ion:104 Resp: 358352

Ion Ratio Lower Upper

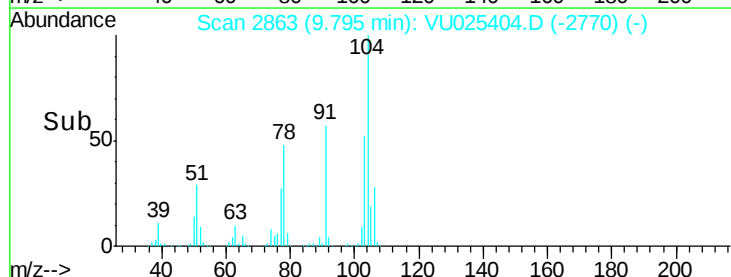
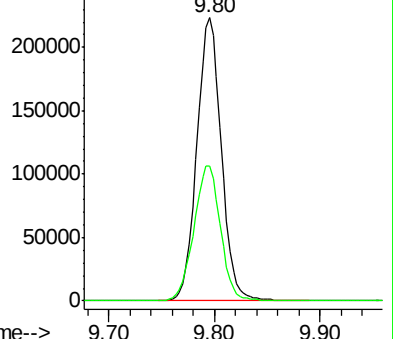
104 100

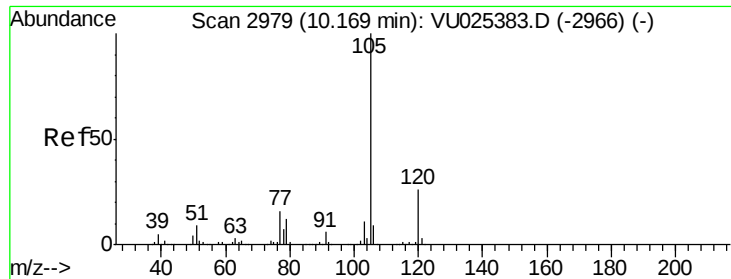
78 47.6 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 47.920 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05002

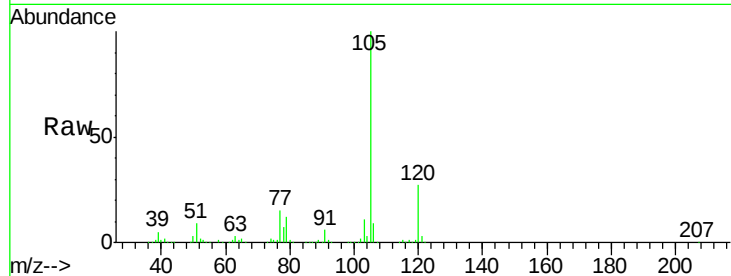
Tgt Ion: 105 Resp: 570548

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

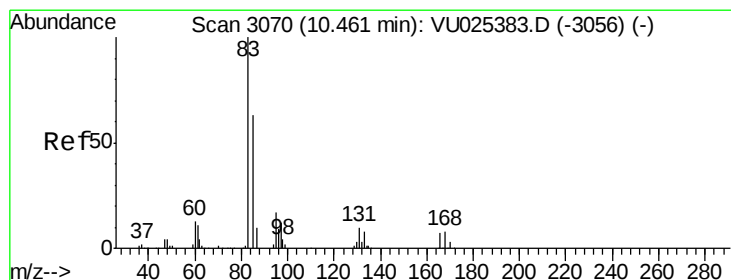
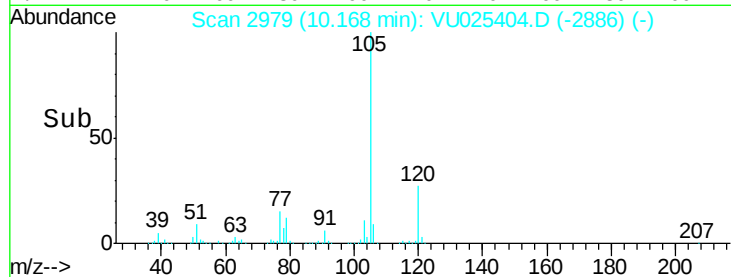
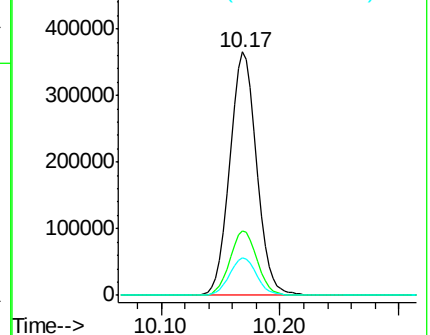
77 15.6 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.529 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

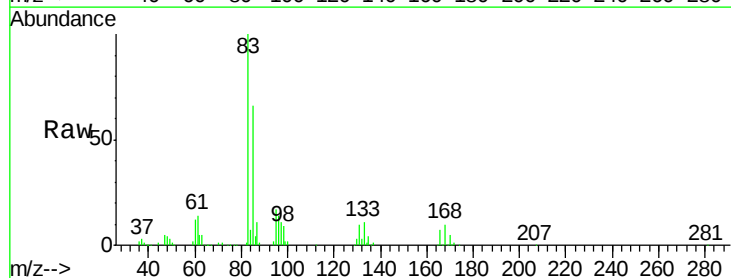
Tgt Ion: 83 Resp: 205286

Ion Ratio Lower Upper

83 100

85 66.4 45.1 83.7

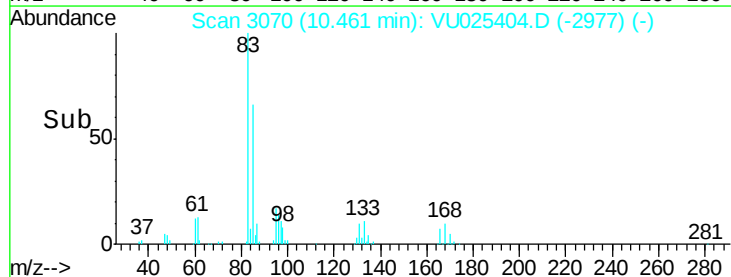
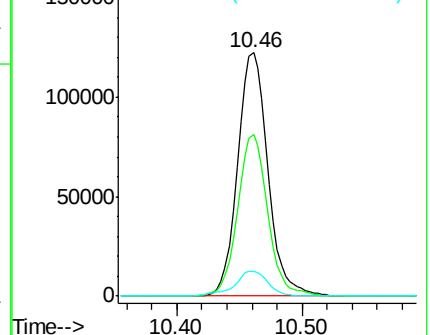
131 10.4 8.7 13.1

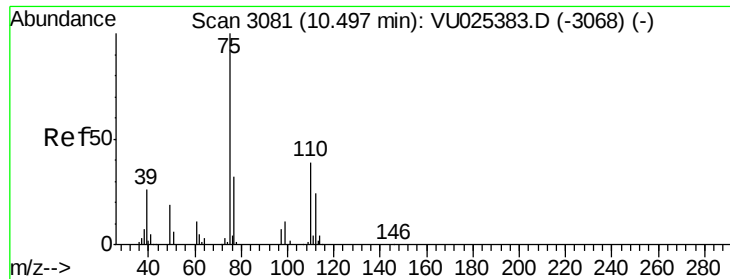


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.100 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

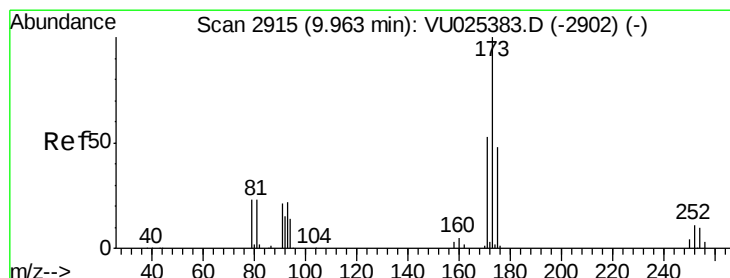
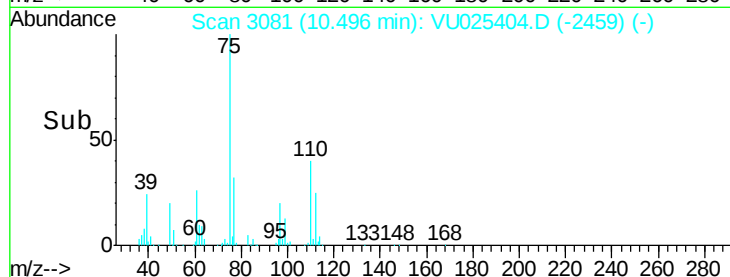
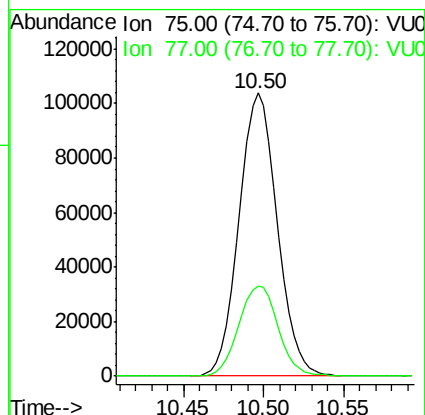
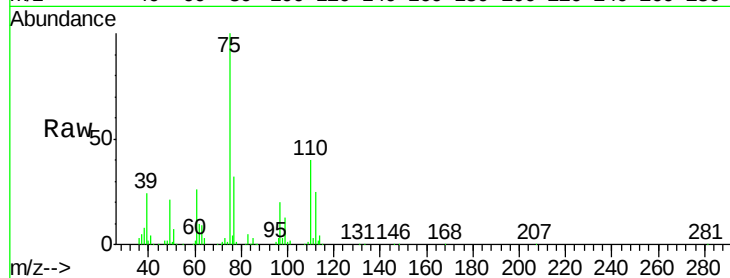
VSTD05002

Tgt Ion: 75 Resp: 169027

Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.4



#61

Bromoform

Concen: 41.347 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

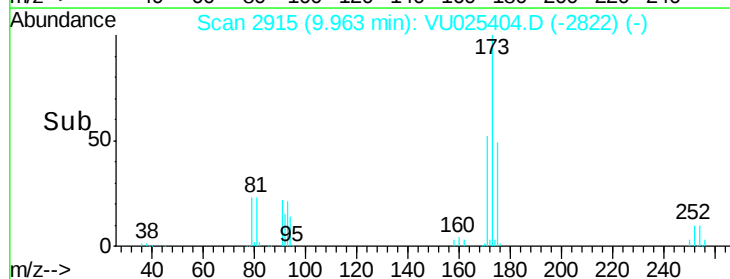
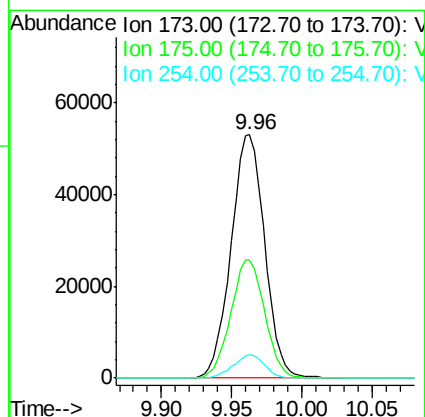
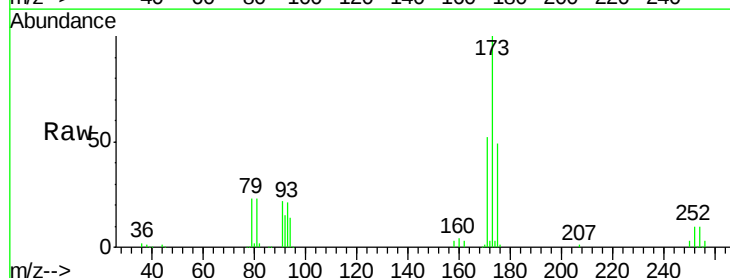
Tgt Ion: 173 Resp: 88739

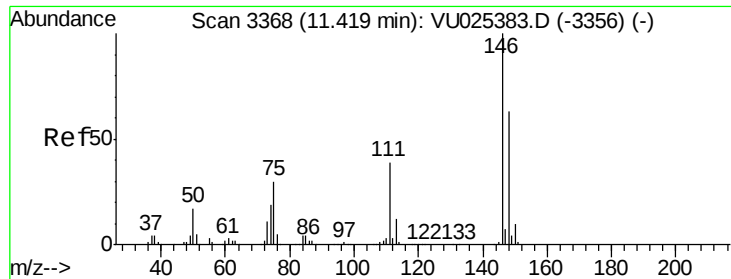
Ion Ratio Lower Upper

173 100

175 49.0 39.1 58.7

254 8.9 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 47.775 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05002

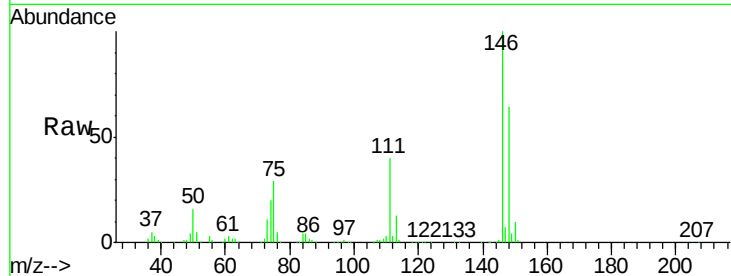
Tgt Ion:146 Resp: 261665

Ion Ratio Lower Upper

146 100

111 40.0 28.7 53.3

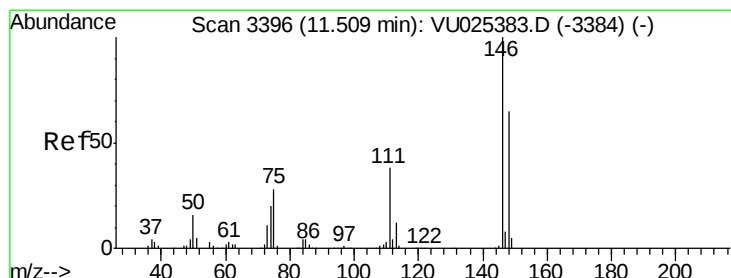
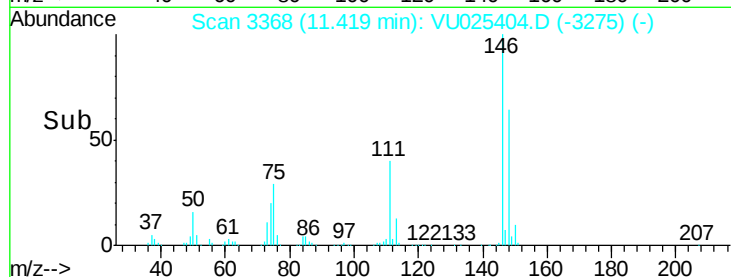
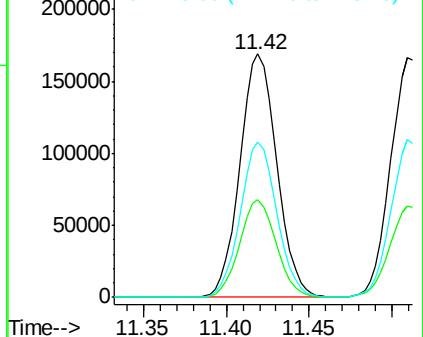
148 63.9 45.3 84.1



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: 47.446 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

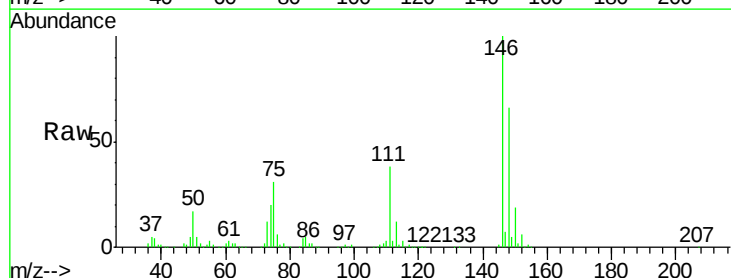
Tgt Ion:146 Resp: 261397

Ion Ratio Lower Upper

146 100

111 38.3 27.7 51.5

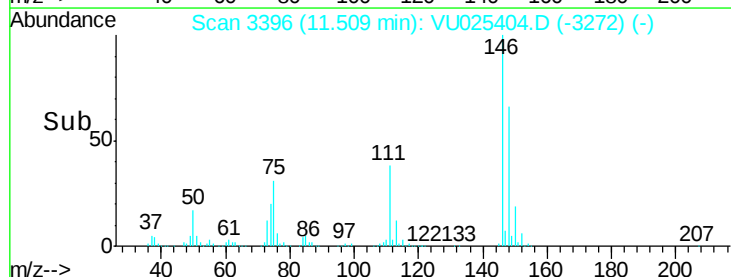
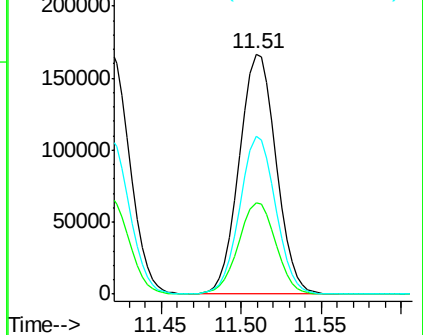
148 65.7 44.7 83.1

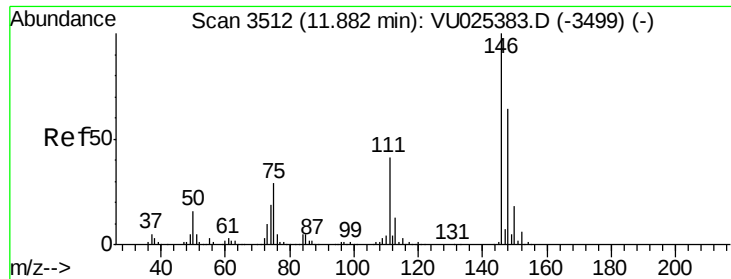


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

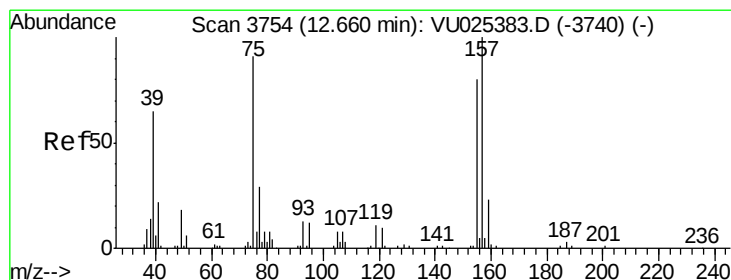
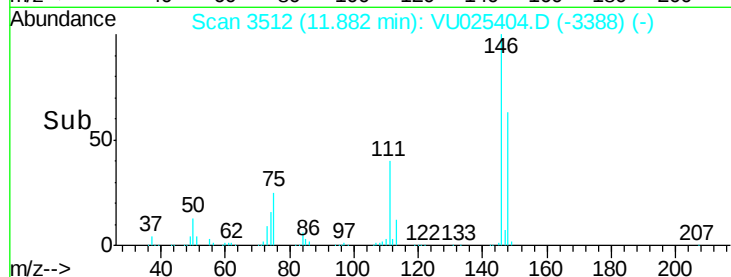
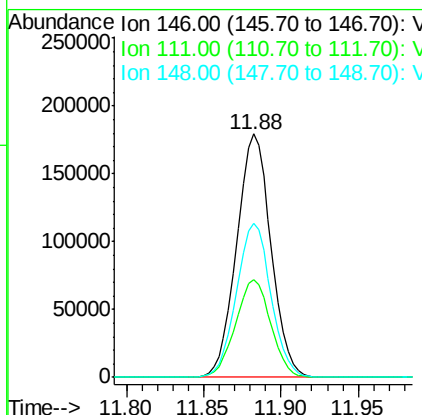
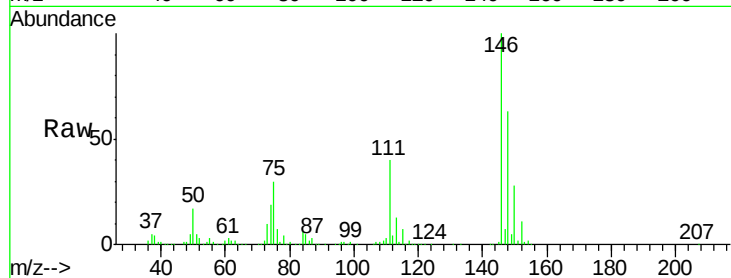




#65
 1,2-Dichlorobenzene
 Concen: 47.821 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

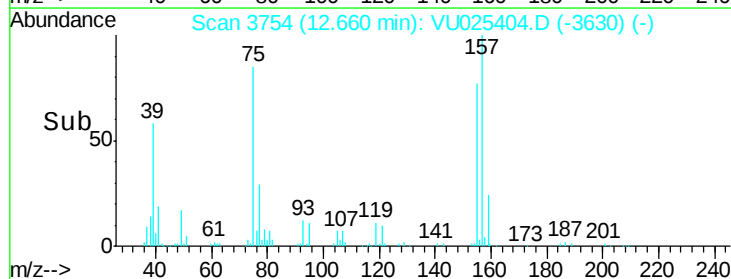
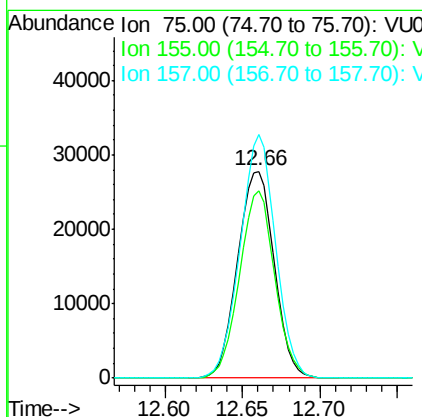
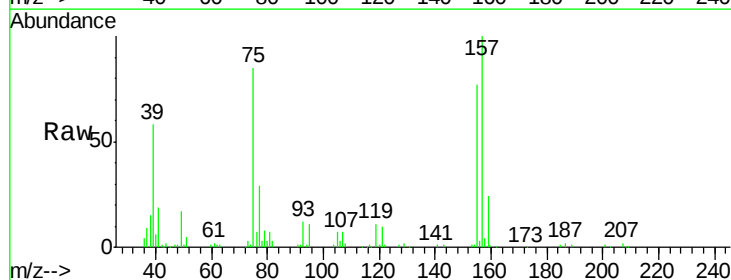
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05002

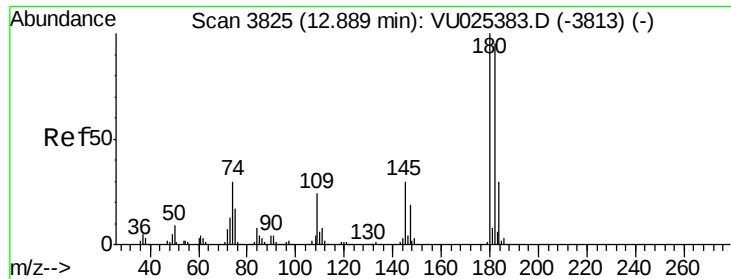
Tgt Ion: 146 Resp: 276462
 Ion Ratio Lower Upper
 146 100
 111 40.3 33.0 49.4
 148 63.3 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.761 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

Tgt Ion: 75 Resp: 45690
 Ion Ratio Lower Upper
 75 100
 155 90.5 66.3 99.5
 157 117.6 87.9 131.9

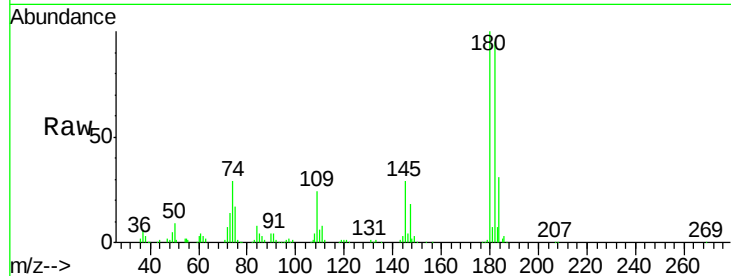




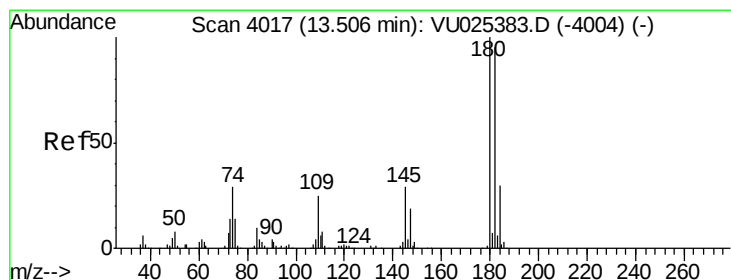
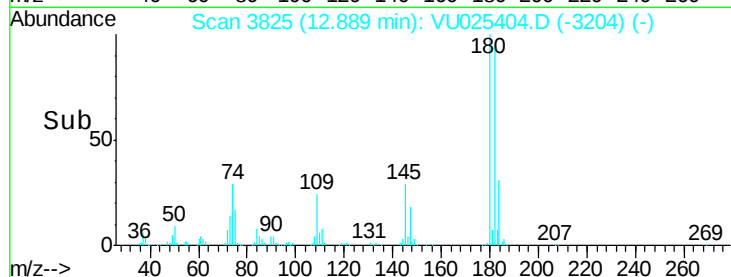
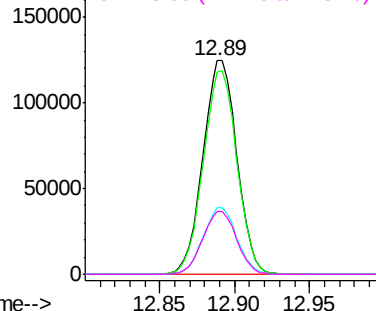
#67
 1,3,5-Trichlorobenzene
 Concen: 48.370 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05002

Tgt Ion:	180	Resp:	196681
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.8	115.2
184	31.0	24.3	36.5
145	29.4	23.8	35.8

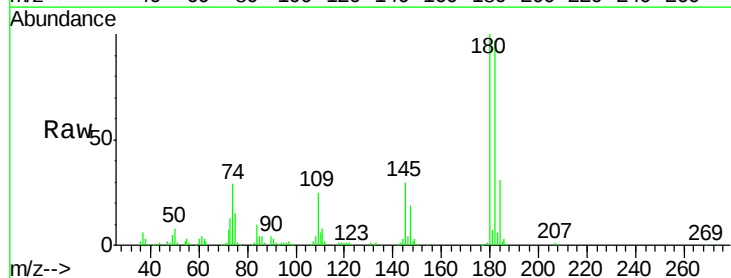


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

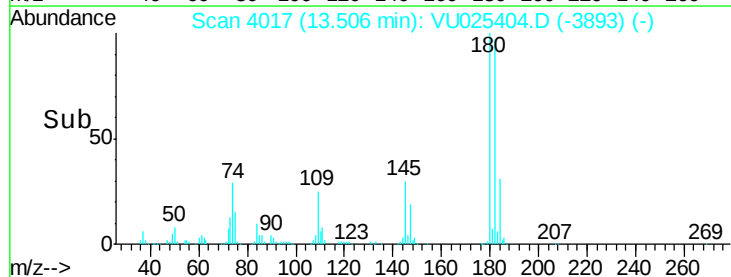
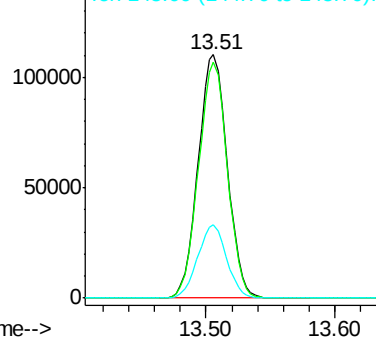


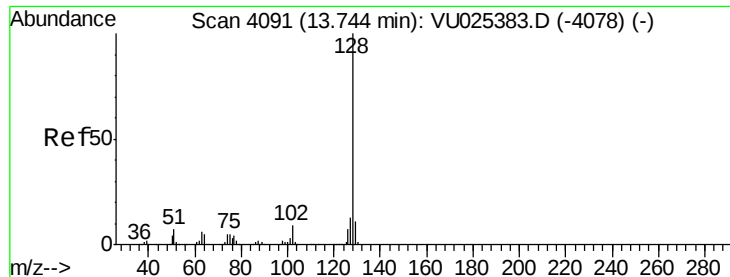
#68
 1,2,4-trichlorobenzene
 Concen: 50.835 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025404.D
 Acq: 13 Jul 2018 21:56

Tgt Ion:	180	Resp:	172809
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.9	113.9
145	29.8	23.8	35.8



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





#69

Naphthalene

Concen: 54.101 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05002

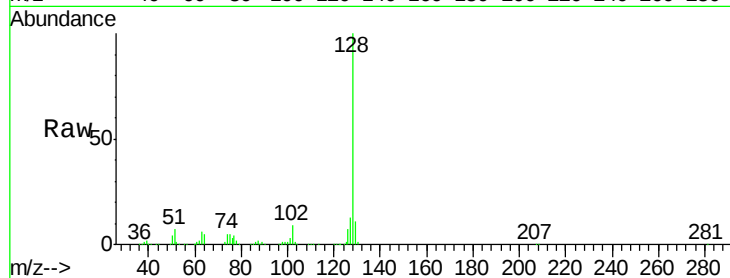
Tgt Ion:128 Resp: 611524

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

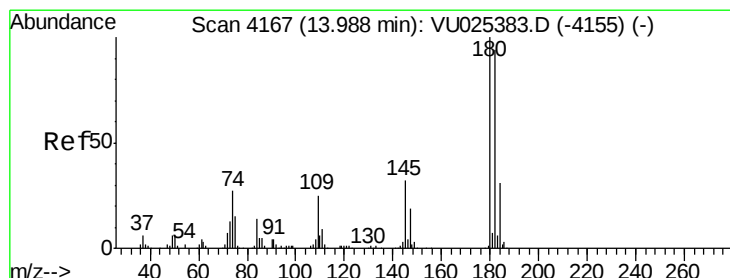
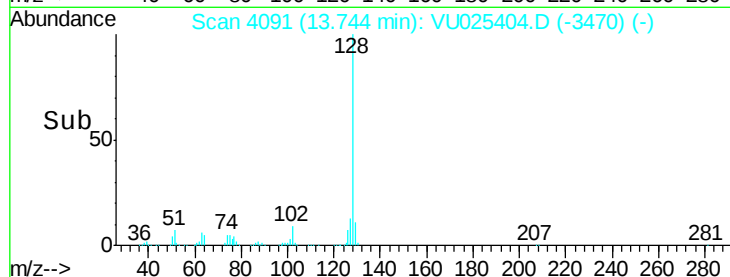
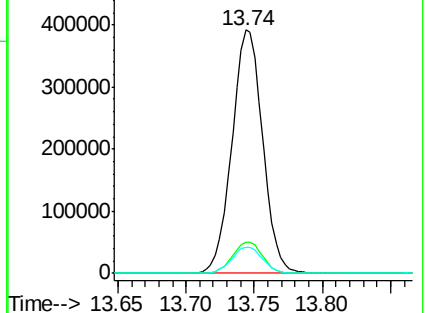
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.695 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025404.D

Acq: 13 Jul 2018 21:56

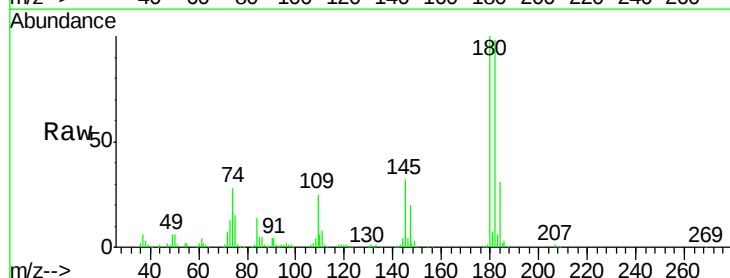
Tgt Ion:180 Resp: 185091

Ion Ratio Lower Upper

180 100

182 97.5 77.4 116.0

145 31.5 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

