

Data File : VU025860.D
Acq On : 04 Aug 2018 07:36
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Quant Time: Aug 06 00:44:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 04 04:39:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	325798	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	314579	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	168348	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89665	48.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.42%
7) Chloroethane-d5	1.68	69	73053	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.24%
11) 1,1-Dichloroethene-d2	2.27	63	191125	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
21) 2-Butanone-d5	4.18	46	143891	100.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.21%
24) Chloroform-d	4.65	84	206210	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
26) 1,2-Dichloroethane-d4	5.31	65	136016	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.28%
32) Benzene-d6	5.35	84	384779	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
36) 1,2-Dichloropropane-d6	6.34	67	123687	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.16%
41) Toluene-d8	7.57	98	379430	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%
43) trans-1,3-Dichloropropene-	7.85	79	59689	44.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.90%
47) 2-Hexanone-d5	8.31	63	106921	98.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.23%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	172940	47.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	161042	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	129341	40.292	ug/L	99
3) Chloromethane	1.33	50	111272	47.998	ug/L	99
5) Vinyl chloride	1.41	62	110756	43.559	ug/L	98
6) Bromomethane	1.63	94	53717	60.750	ug/L	98
8) Chloroethane	1.70	64	67708	45.223	ug/L	96
9) Trichlorofluoromethane	1.89	101	162098	44.768	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	92170	45.457	ug/L	99
12) 1,1-Dichloroethene	2.28	96	85097	46.282	ug/L	88
13) Acetone	2.32	43	103310	61.297	ug/L	99
14) Carbon disulfide	2.48	76	249196	41.623	ug/L	100
15) Methyl Acetate	2.62	43	114380	49.094	ug/L	100
16) Methylene chloride	2.71	84	107192	46.801	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	96806	45.729	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	321576	46.643	ug/L	99
19) 1,1-Dichloroethane	3.45	63	188626	46.841	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	112104	46.914	ug/L	97
22) 2-Butanone	4.26	43	150114	80.006	ug/L	99

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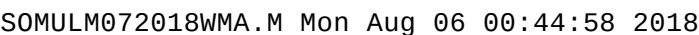
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

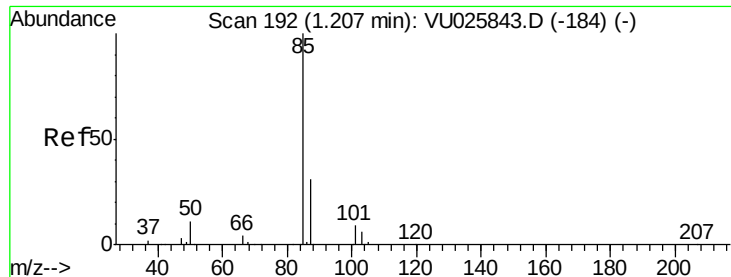
Quant Time: Aug 06 00:44:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 04 04:39:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	59106	46.863	ug/L	97
25) Chloroform	4.68	83	199812	47.154	ug/L	98
27) 1,2-Dichloroethane	5.41	62	163370	47.268	ug/L	100
29) Cyclohexane	5.00	56	153044	41.993	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	176082	44.731	ug/L	99
31) Carbon tetrachloride	5.14	117	158663	43.590	ug/L	99
33) Benzene	5.39	78	407512	45.085	ug/L	100
34) Trichloroethene	6.19	95	106606	44.451	ug/L	97
35) Methylcyclohexane	6.42	83	154517	39.958	ug/L	99
37) 1,2-Dichloropropane	6.44	63	112764	45.653	ug/L	99
38) Bromodichloromethane	6.76	83	150175	46.114	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	158491	41.347	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	305141	94.073	ug/L	99
42) Toluene	7.64	91	442914	45.438	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	153156	42.377	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	107859	45.525	ug/L	99
46) Tetrachloroethene	8.23	164	89932	43.254	ug/L	96
48) 2-Hexanone	8.36	43	237877	86.790	ug/L	99
49) Dibromochloromethane	8.48	129	128747	46.325	ug/L	96
50) 1,2-Dibromoethane	8.59	107	115446	45.229	ug/L	99
51) Chlorobenzene	9.12	112	299274	45.605	ug/L	98
52) Ethylbenzene	9.25	91	496443	46.144	ug/L	99
53) m,p-Xylene	9.38	106	191376	46.440	ug/L	99
54) o-xylene	9.78	106	190192	45.484	ug/L	99
55) Styrene	9.80	104	327175	48.040	ug/L	99
56) Isopropylbenzene	10.17	105	495816	45.946	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	177668	46.490	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	132865	45.797	ug/L	99
61) Bromoform	9.96	173	94408	43.355	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	242336	45.508	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	248777	45.767	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	251902	45.153	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	39472	44.988	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	178507	43.428	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	154244	44.649	ug/L	98
69) Naphthalene	13.74	128	465030	44.762	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	163377	44.738	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 40.292 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

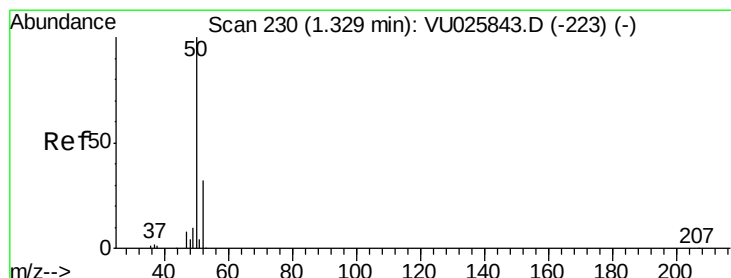
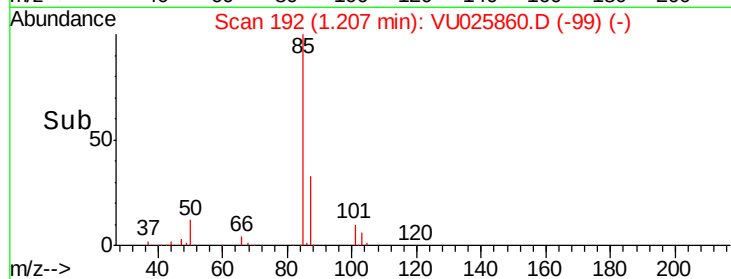
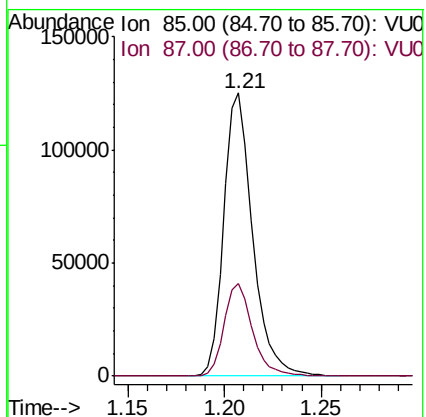
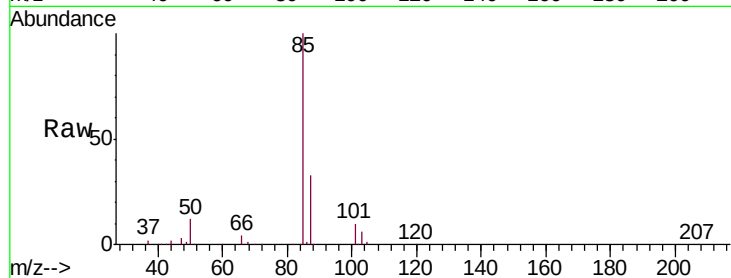
VSTD05052

Tgt Ion: 85 Resp: 129341

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



#3

Chloromethane

Concen: 47.998 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025860.D

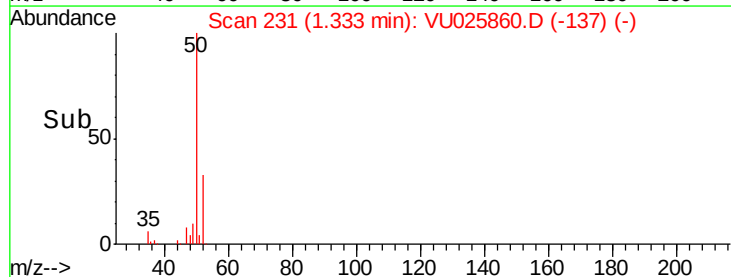
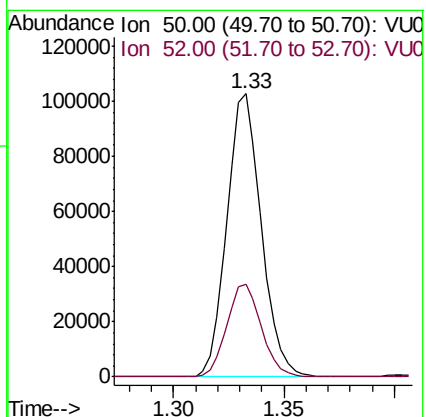
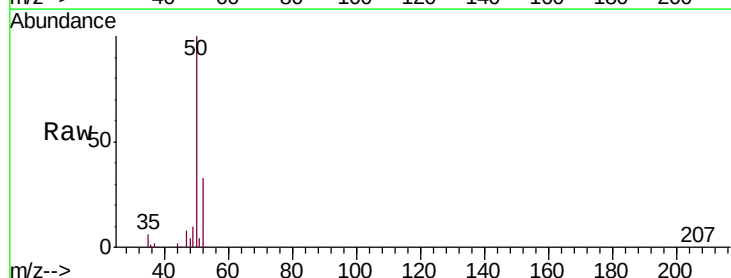
Acq: 04 Aug 2018 07:36

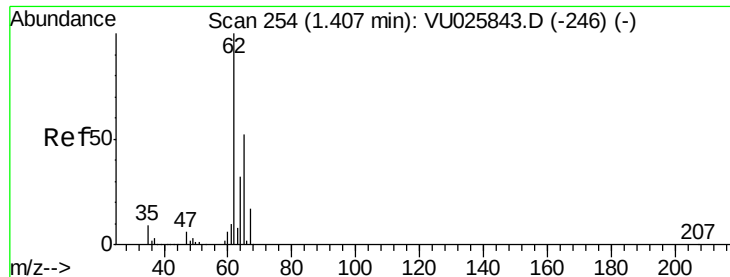
Tgt Ion: 50 Resp: 111272

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.2





#5

Vinyl chloride

Concen: 43.559 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

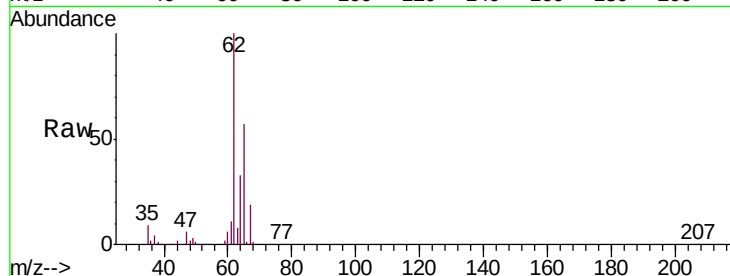
VSTD05052

Tgt Ion: 62 Resp: 110756

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.41

120000

100000

80000

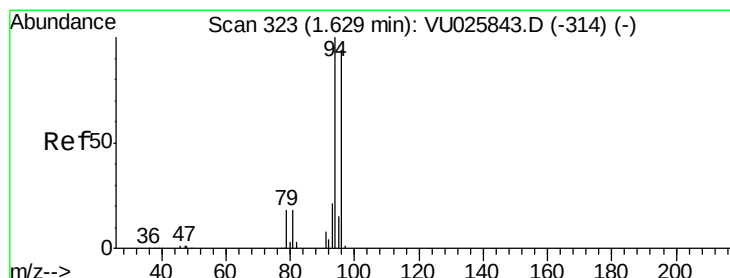
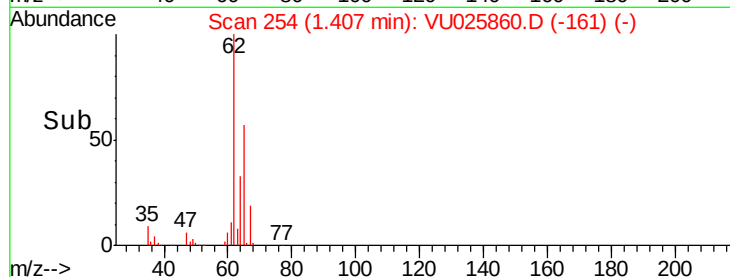
60000

40000

20000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 60.750 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU025860.D

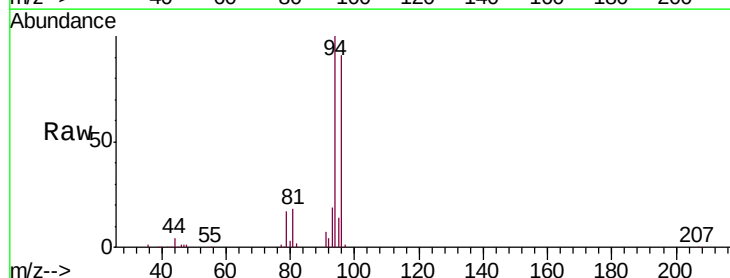
Acq: 04 Aug 2018 07:36

Tgt Ion: 94 Resp: 53717

Ion Ratio Lower Upper

94 100

96 90.8 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

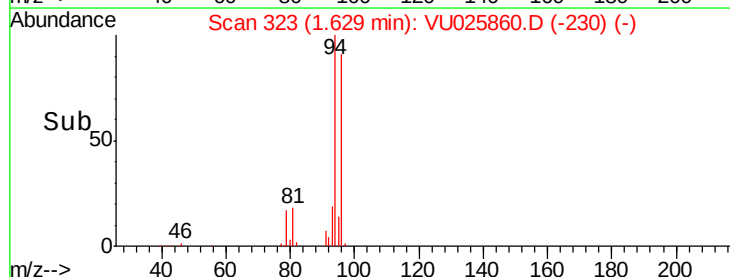
30000

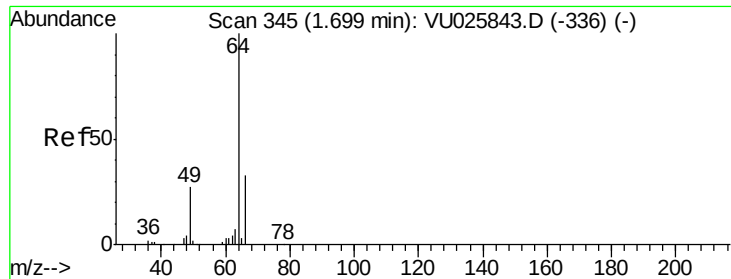
20000

10000

0

Time--> 1.60 1.65 1.70





#8

Chloroethane

Concen: 45.223 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

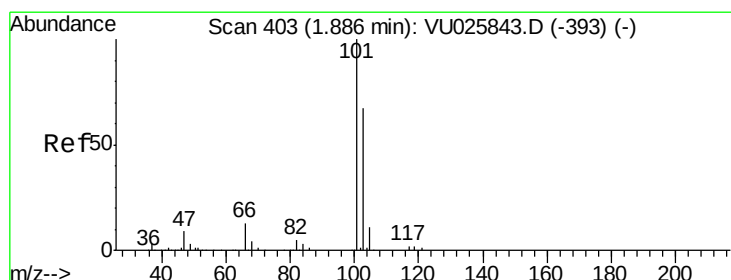
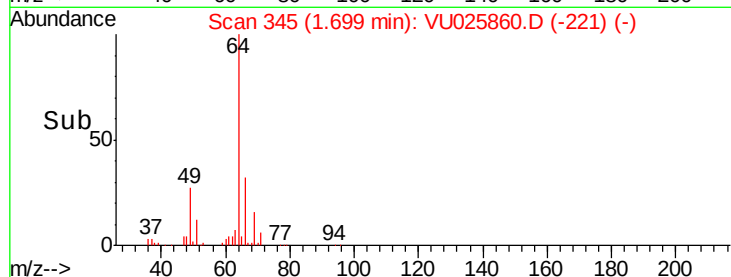
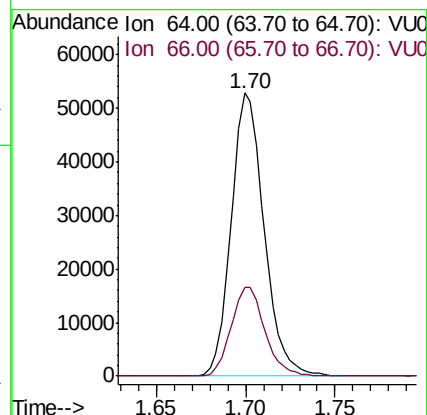
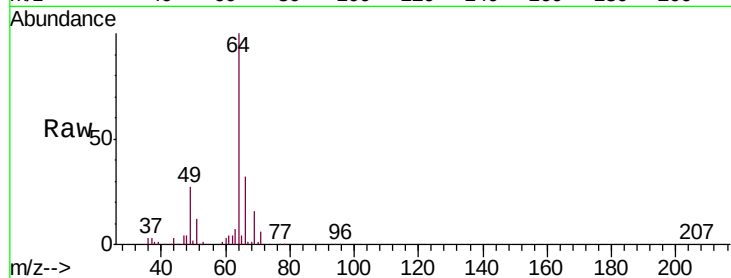
VSTD05052

Tgt Ion: 64 Resp: 67708

Ion Ratio Lower Upper

64 100

66 31.6 23.5 43.7



#9

Trichlorofluoromethane

Concen: 44.768 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025860.D

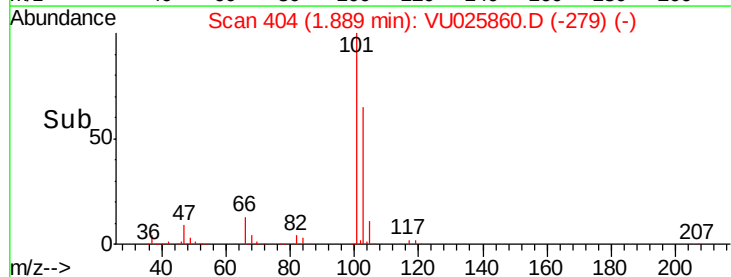
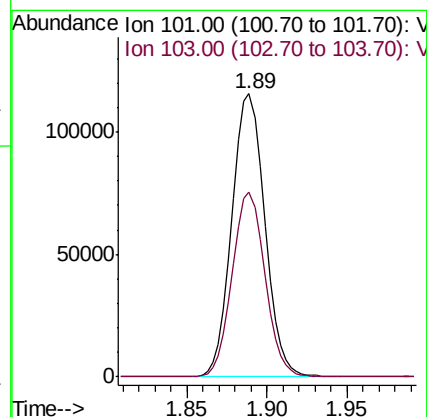
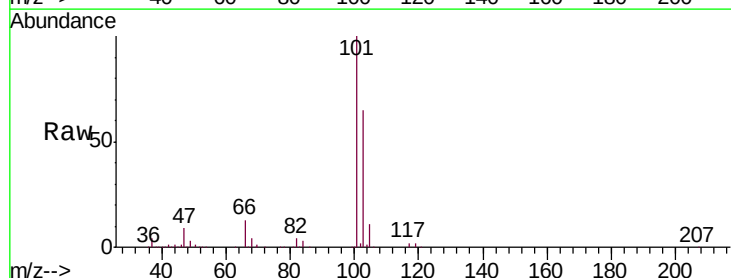
Acq: 04 Aug 2018 07:36

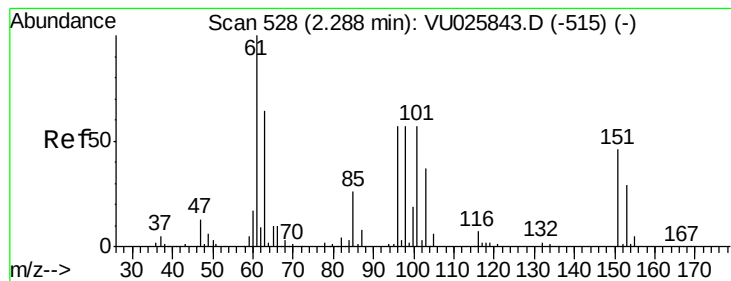
Tgt Ion: 101 Resp: 162098

Ion Ratio Lower Upper

101 100

103 64.9 52.0 78.0





#10

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

Concen: 45.457 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

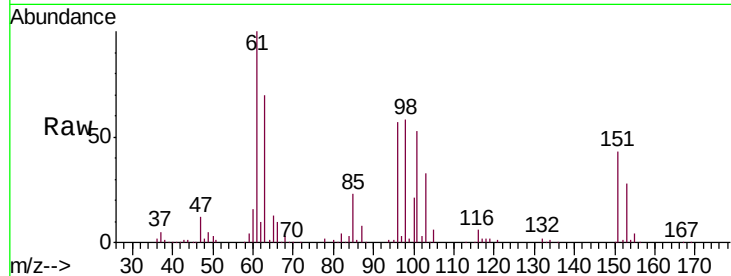
Tgt Ion:101 Resp: 92170

Ion Ratio Lower Upper

101 100

85 43.8 35.5 53.3

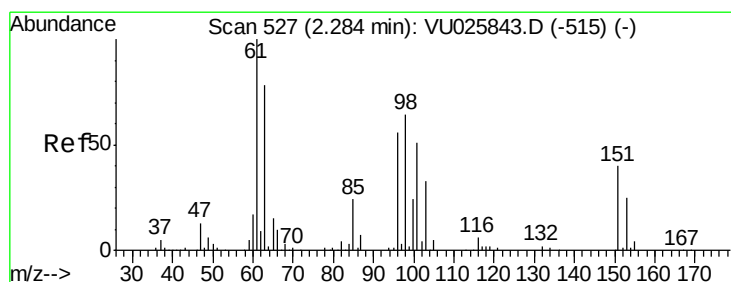
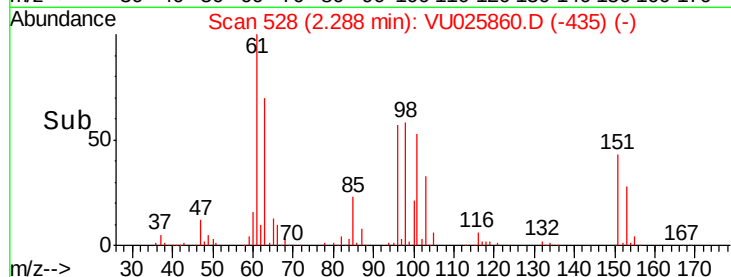
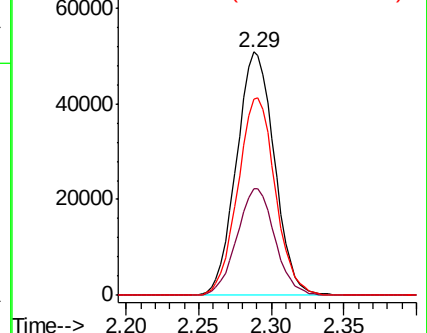
151 80.3 63.5 95.3



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: 46.282 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

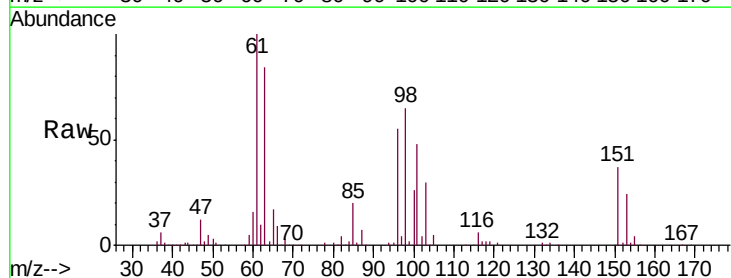
Tgt Ion: 96 Resp: 85097

Ion Ratio Lower Upper

96 100

61 183.4 122.5 227.5

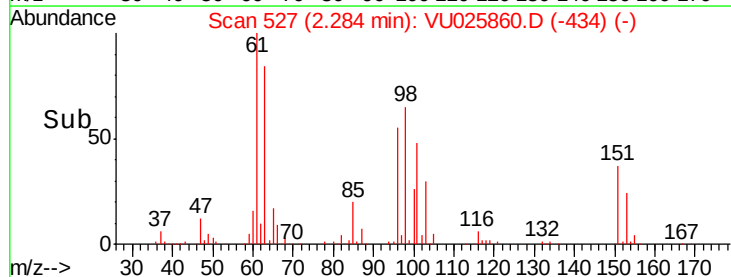
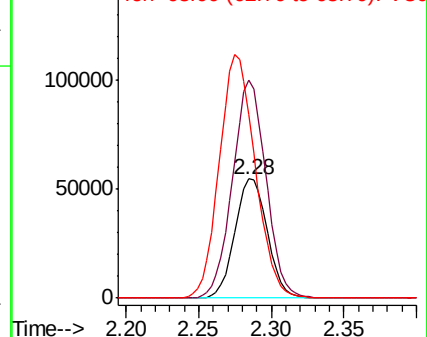
63 153.4 90.9 168.9

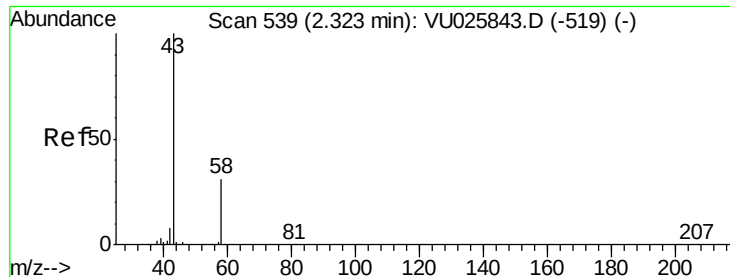


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 61.297 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

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Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

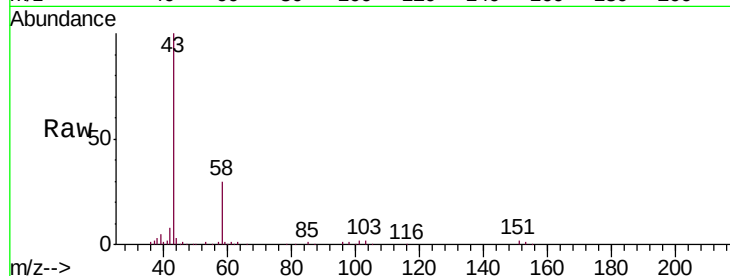
VSTD05052

Tgt Ion: 43 Resp: 103310

Ion Ratio Lower Upper

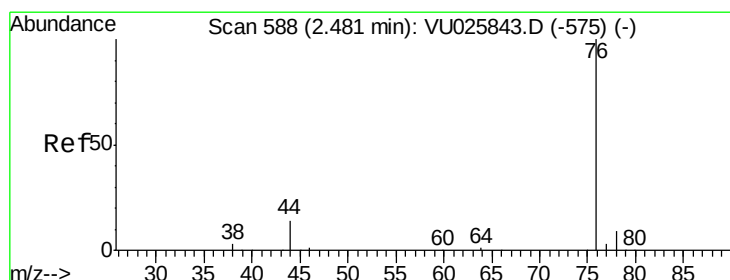
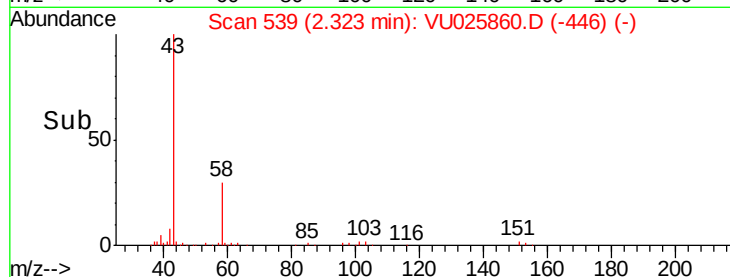
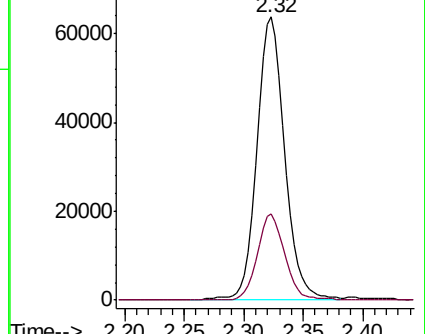
43 100

58 30.2 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU025843.D (-519) (-)

Ion 58.00 (57.70 to 58.70): VU025843.D (-519) (-)



#14

Carbon disulfide

Concen: 41.623 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025860.D

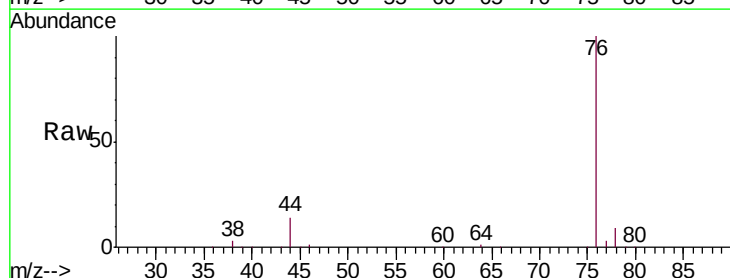
Acq: 04 Aug 2018 07:36

Tgt Ion: 76 Resp: 249196

Ion Ratio Lower Upper

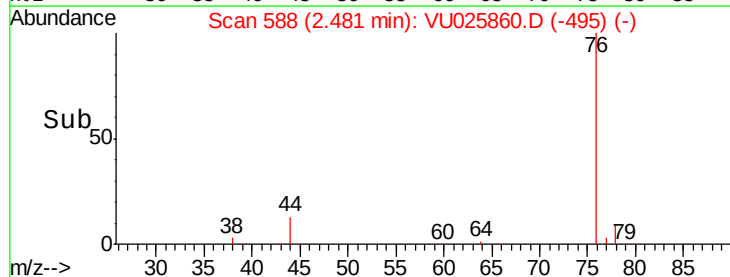
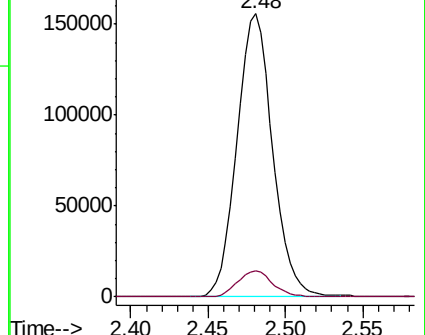
76 100

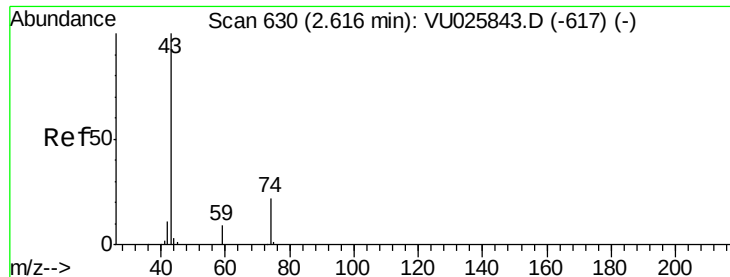
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU025843.D (-575) (-)

Ion 78.00 (77.70 to 78.70): VU025843.D (-575) (-)

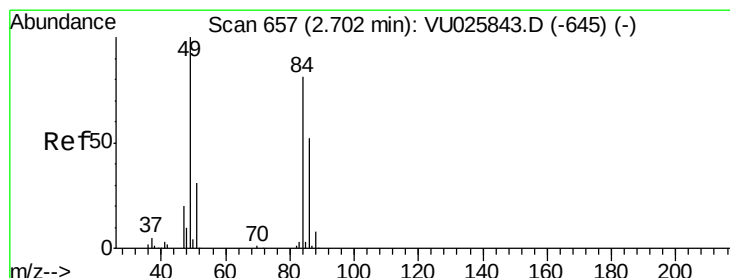
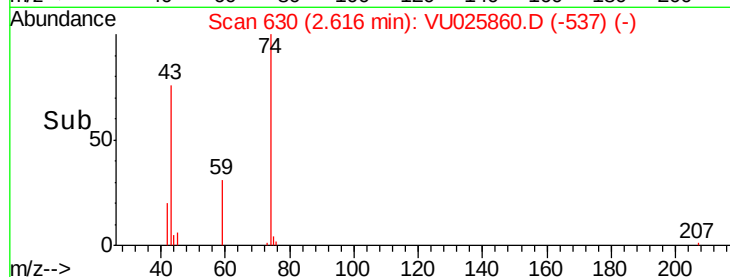
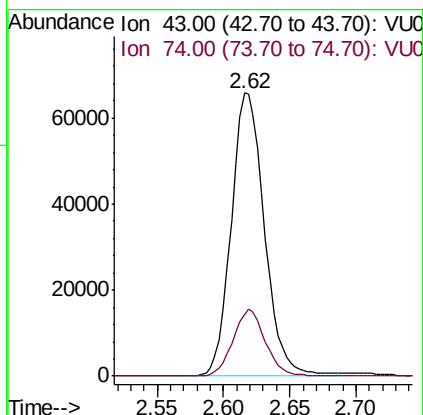
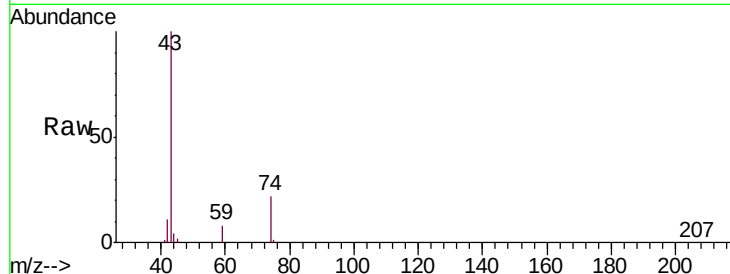




#15
Methyl Acetate
Concen: 49.094 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025860.D
Acq: 04 Aug 2018 07:36

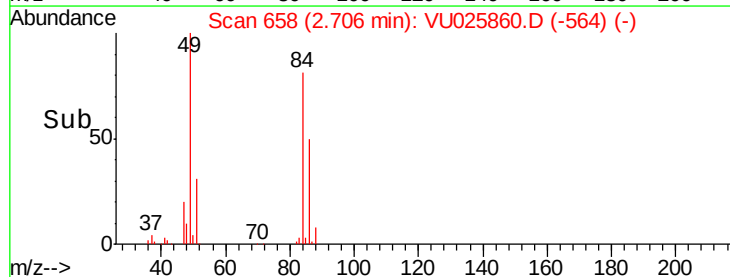
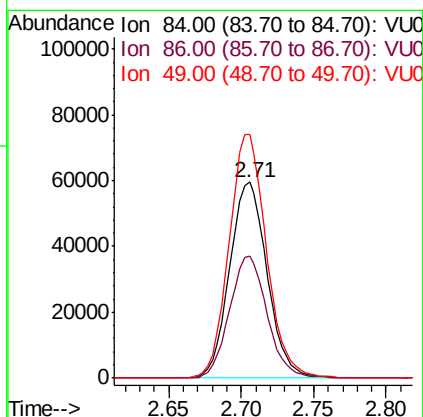
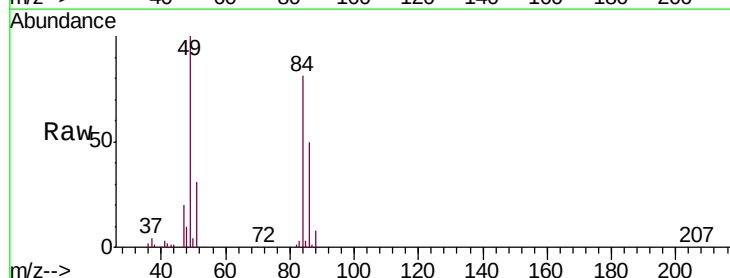
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

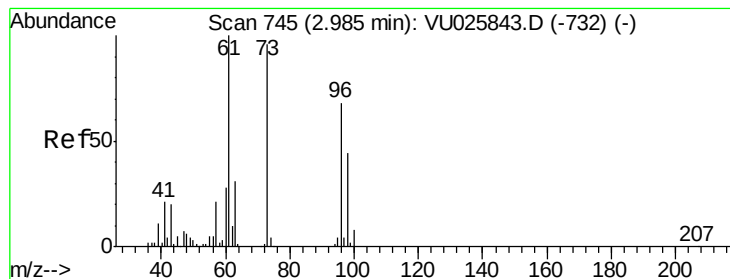
Tgt Ion: 43 Resp: 114380
Ion Ratio Lower Upper
43 100
74 22.8 18.3 27.5



#16
Methylene chloride
Concen: 46.801 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025860.D
Acq: 04 Aug 2018 07:36

Tgt Ion: 84 Resp: 107192
Ion Ratio Lower Upper
84 100
86 62.3 45.6 84.6
49 124.1 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 45.729 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

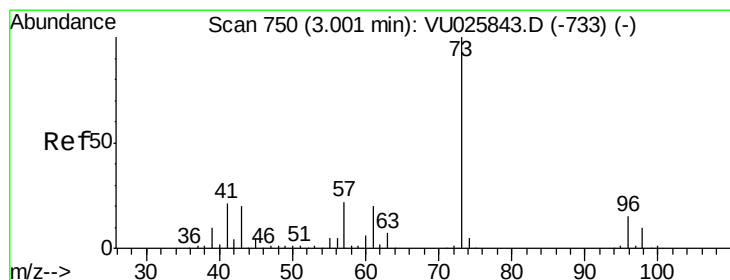
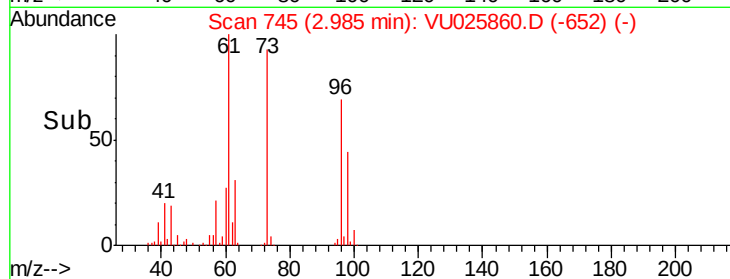
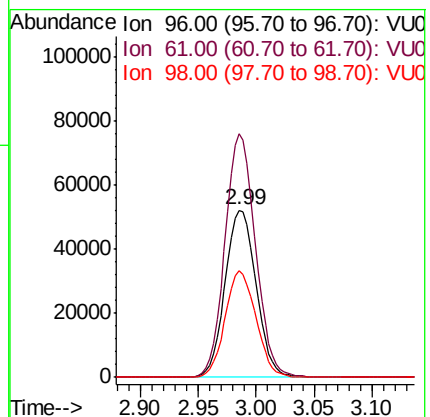
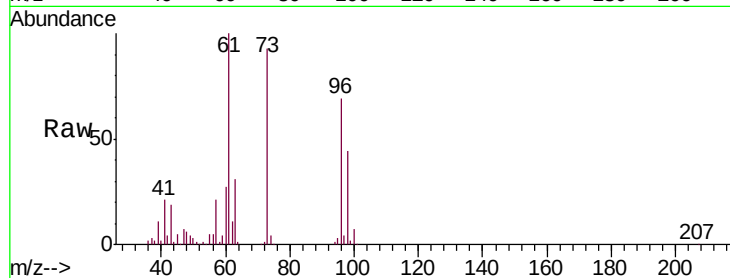
Tgt Ion: 96 Resp: 96806

Ion Ratio Lower Upper

96 100

61 145.5 100.0 185.8

98 63.9 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 46.643 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

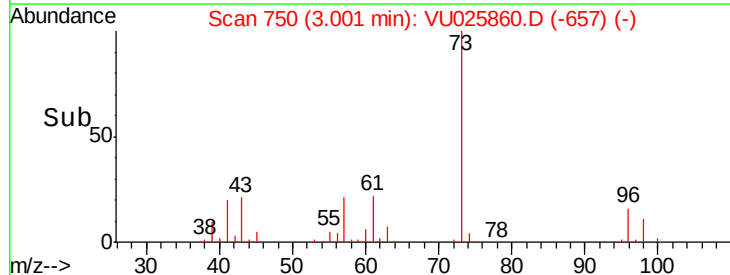
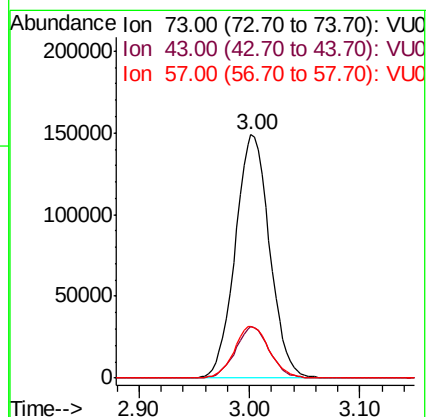
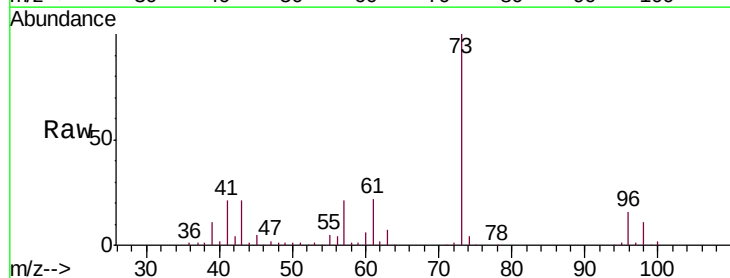
Tgt Ion: 73 Resp: 321576

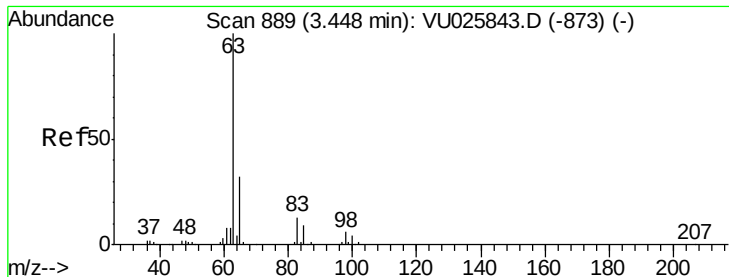
Ion Ratio Lower Upper

73 100

43 21.0 16.2 24.2

57 21.7 17.1 25.7

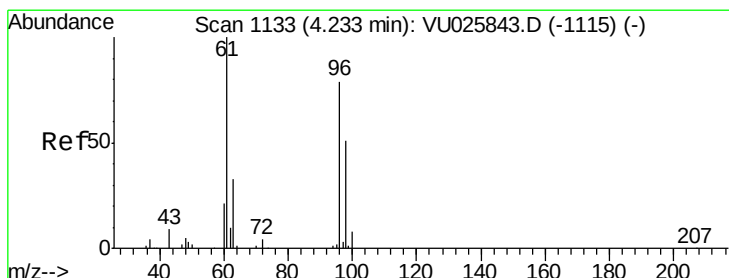
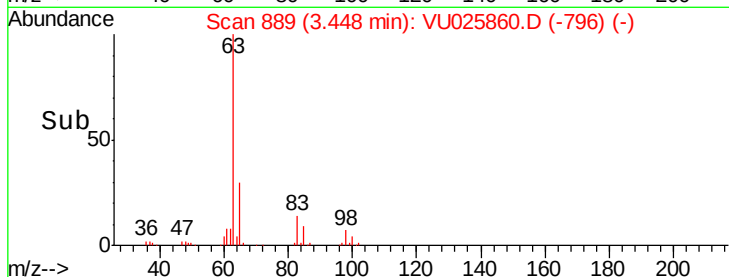
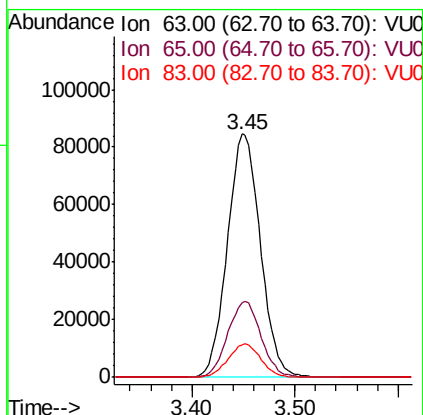
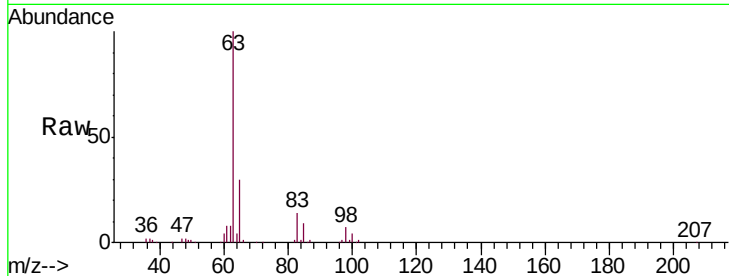




#19
 1,1-Dichloroethane
 Concen: 46.841 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

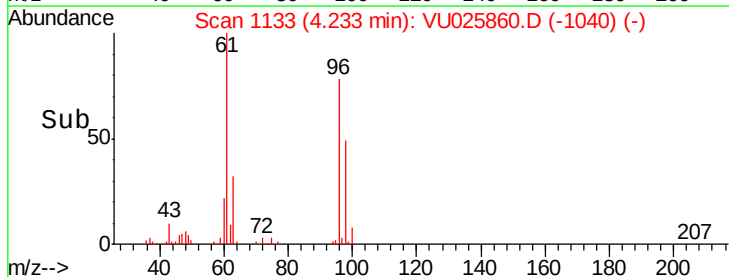
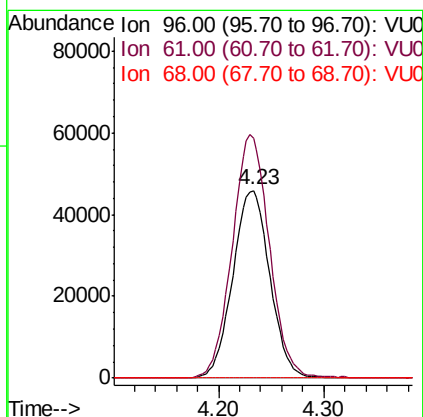
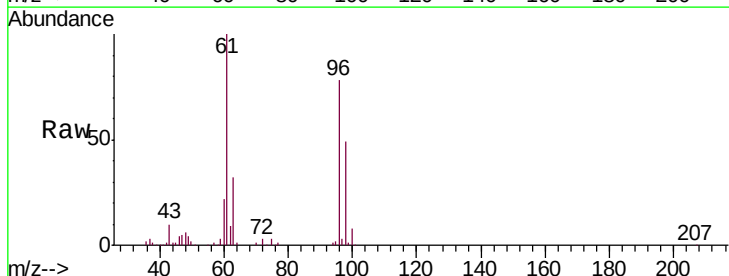
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

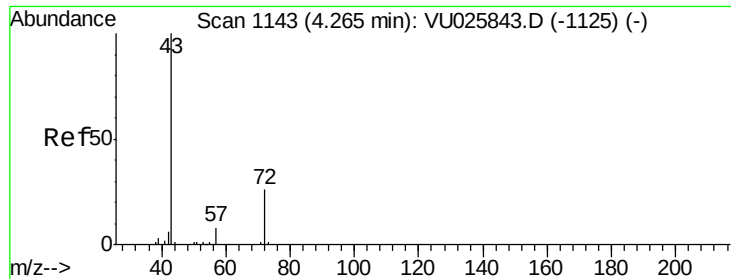
Tgt Ion: 63 Resp: 188626
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.0 41.0
 83 13.6 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 46.914 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Tgt Ion: 96 Resp: 112104
 Ion Ratio Lower Upper
 96 100
 61 127.8 87.4 162.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 80.006 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

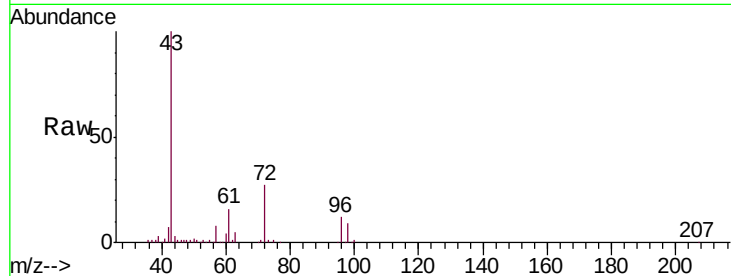
VSTD05052

Tgt Ion: 43 Resp: 150114

Ion Ratio Lower Upper

43 100

72 27.6 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VU025843.D (-1125) (-)

Ion 72.00 (71.70 to 72.70): VU025843.D (-1125) (-)

4.26

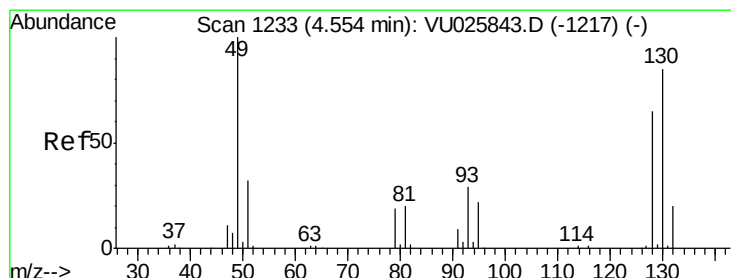
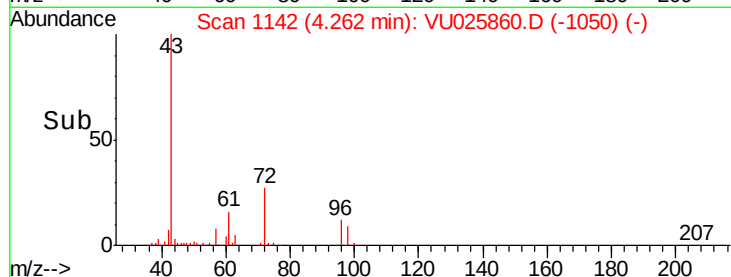
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 46.863 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Tgt Ion: 128 Resp: 59106

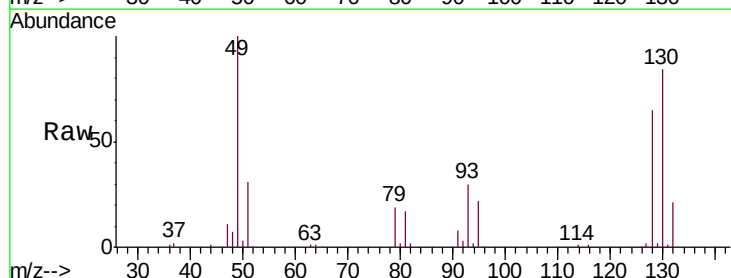
Ion Ratio Lower Upper

128 100

49 153.7 103.3 191.8

130 129.4 90.4 167.8

51 48.0 35.5 53.3



Abundance Ion 128.00 (127.70 to 128.70): VU025843.D (-1217) (-)

Ion 49.00 (48.70 to 49.70): VU025843.D (-1217) (-)

Ion 130.00 (129.70 to 130.70): VU025843.D (-1217) (-)

Ion 51.00 (50.70 to 51.70): VU025843.D (-1217) (-)

4.55

60000

50000

40000

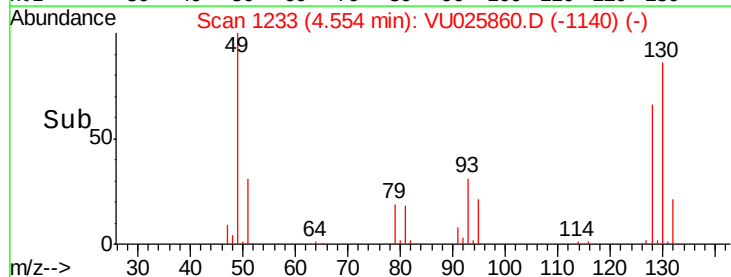
30000

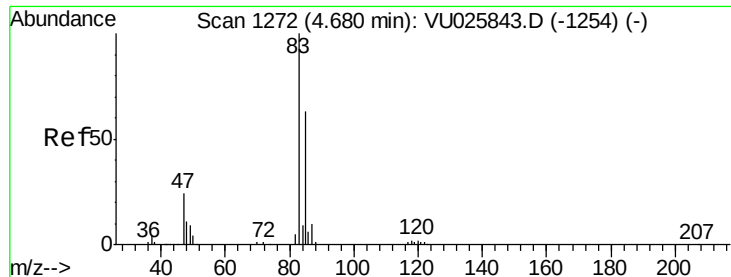
20000

10000

0

Time-->





#25

Chloroform

Concen: 47.154 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

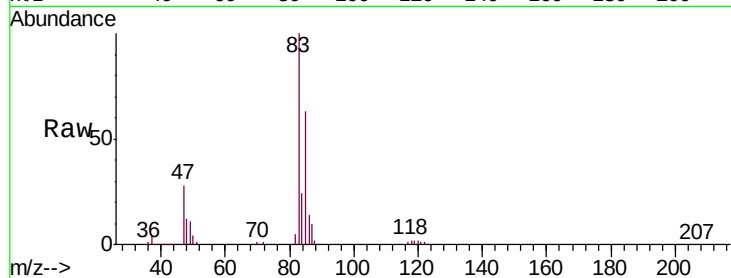
VSTD05052

Tgt Ion: 83 Resp: 199812

Ion Ratio Lower Upper

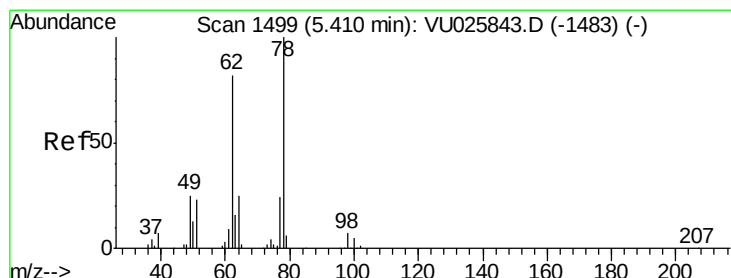
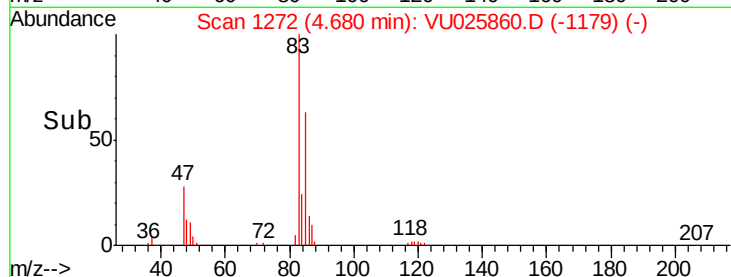
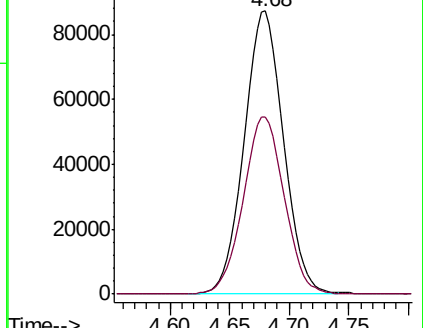
83 100

85 62.6 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU025843.D (-1254) (-)

Ion 85.00 (84.70 to 85.70): VU025843.D (-1254) (-)



#27

1,2-Dichloroethane

Concen: 47.268 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU025860.D

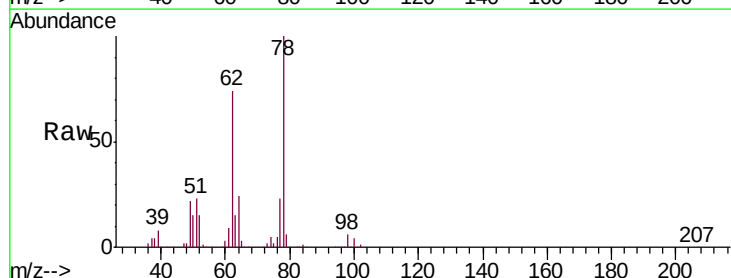
Acq: 04 Aug 2018 07:36

Tgt Ion: 62 Resp: 163370

Ion Ratio Lower Upper

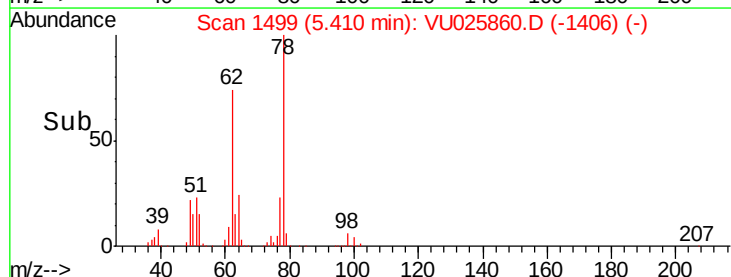
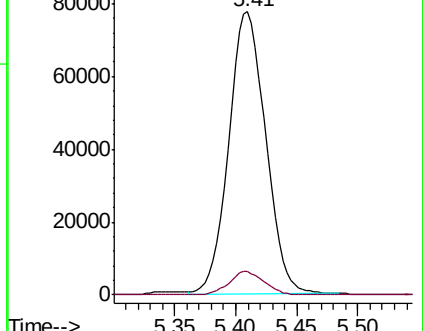
62 100

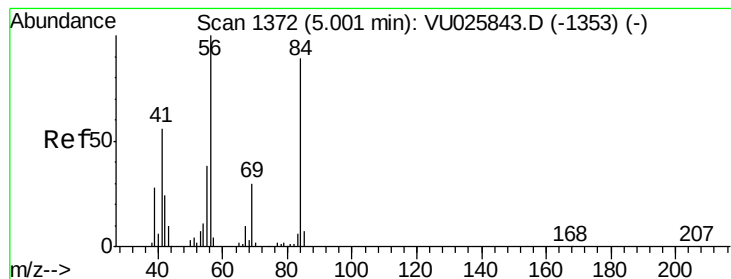
98 8.2 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU025843.D (-1483) (-)

Ion 98.00 (97.70 to 98.70): VU025843.D (-1483) (-)





#29

Cyclohexane

Concen: 41.993 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

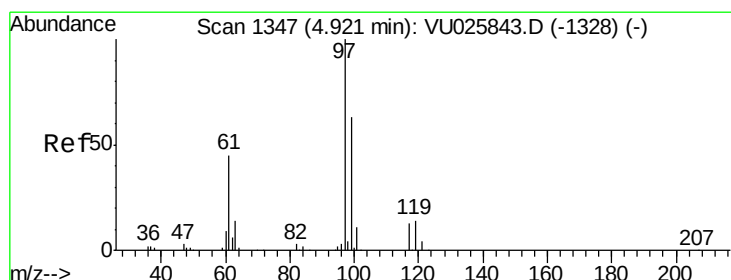
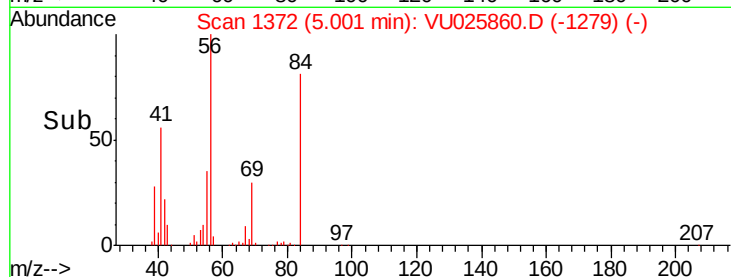
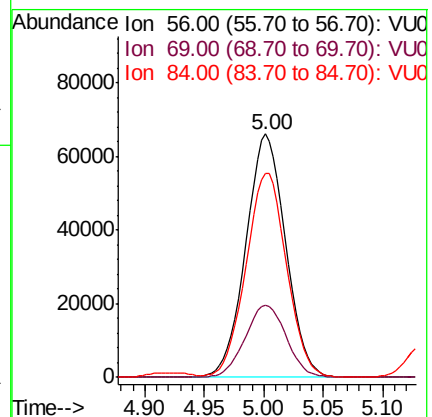
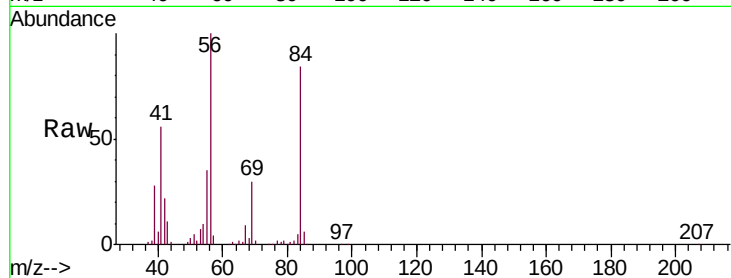
Tgt Ion: 56 Resp: 153044

Ion Ratio Lower Upper

56 100

69 30.7 24.8 37.2

84 85.9 70.6 106.0



#30

1,1,1-Trichloroethane

Concen: 44.731 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

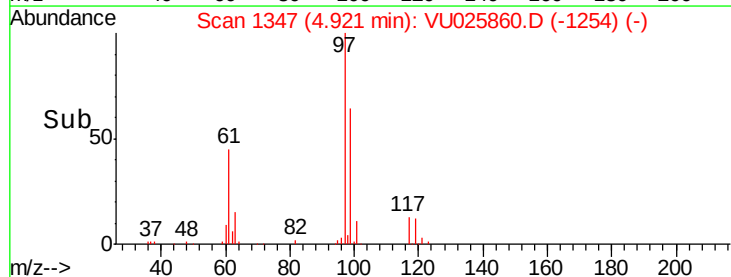
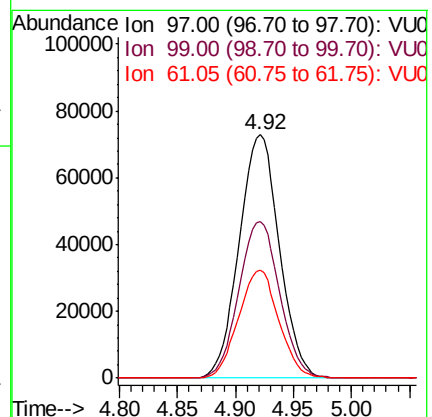
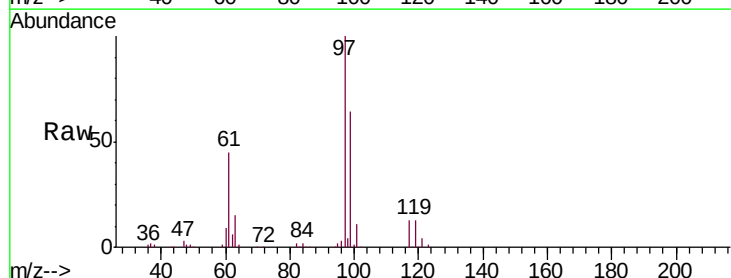
Tgt Ion: 97 Resp: 176082

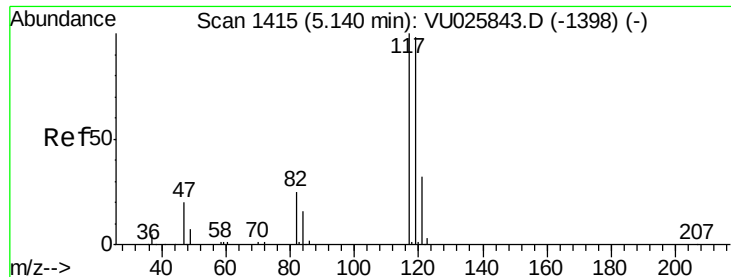
Ion Ratio Lower Upper

97 100

99 65.4 52.4 78.6

61 44.5 34.6 52.0

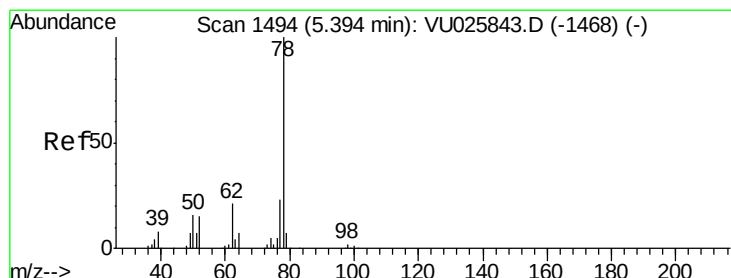
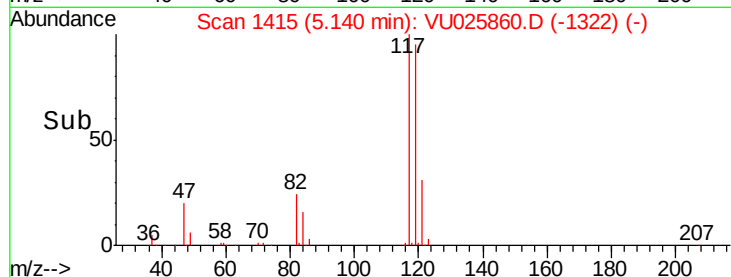
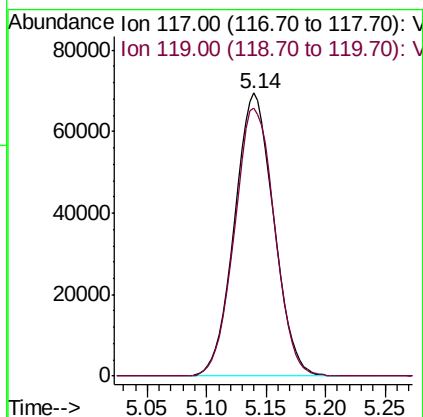
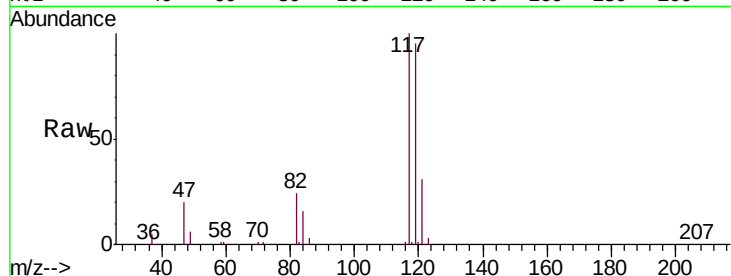




#31
Carbon tetrachloride
Concen: 43.590 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025860.D
Acq: 04 Aug 2018 07:36

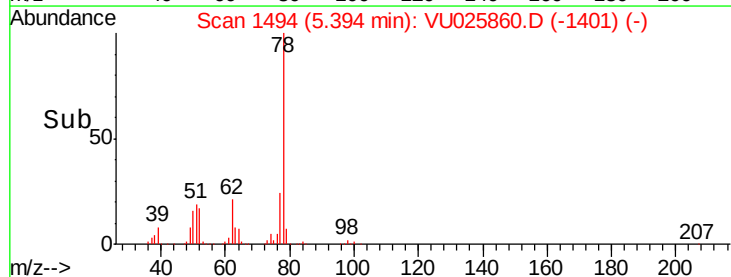
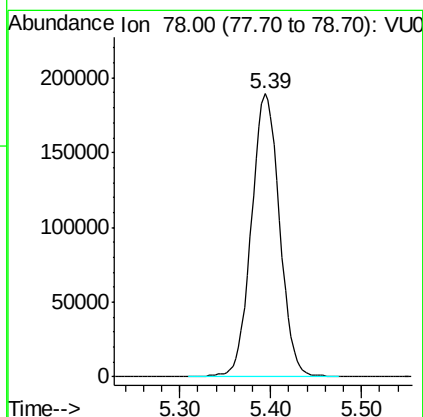
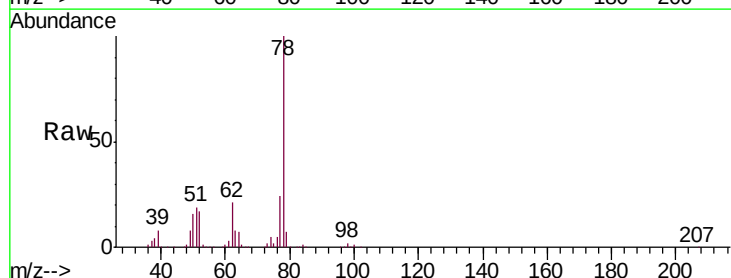
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

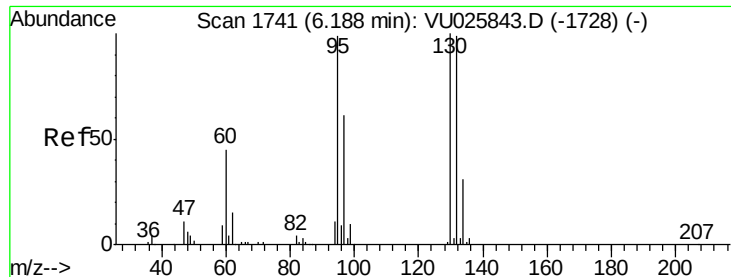
Tgt Ion:117 Resp: 158663
Ion Ratio Lower Upper
117 100
119 97.0 76.6 114.8



#33
Benzene
Concen: 45.085 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025860.D
Acq: 04 Aug 2018 07:36

Tgt Ion: 78 Resp: 407512

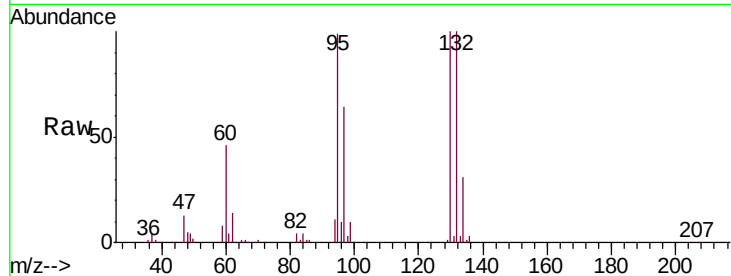




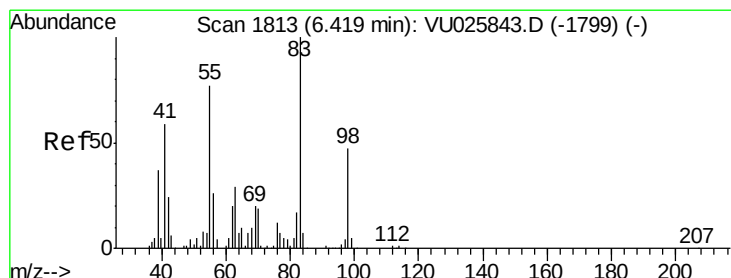
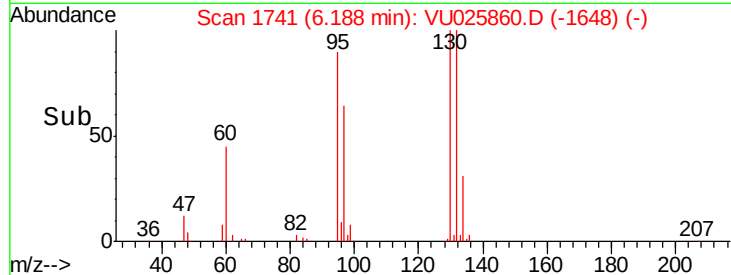
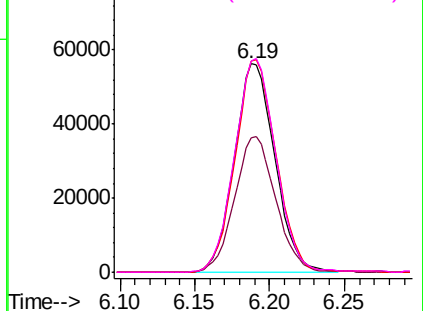
#34
 Trichloroethene
 Concen: 44.451 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:	95	Resp:	106606
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.9	85.3
132	101.3	72.2	134.2
130	101.0	74.9	139.1

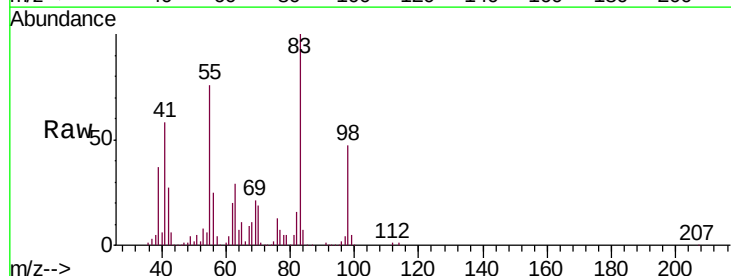


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

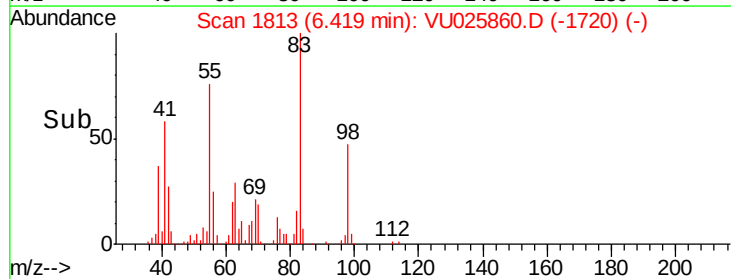
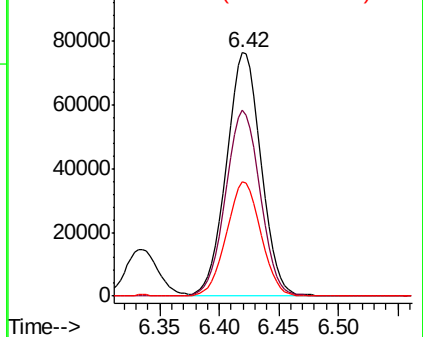


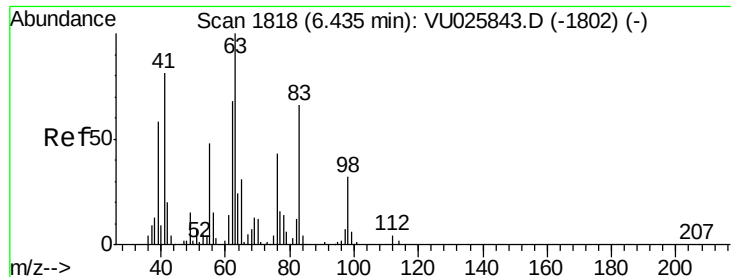
#35
 Methylcyclohexane
 Concen: 39.958 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Tgt Ion:	83	Resp:	154517
Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.1	91.7
98	46.4	38.6	57.8



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

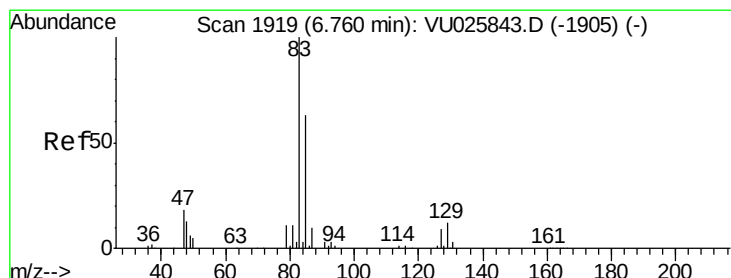
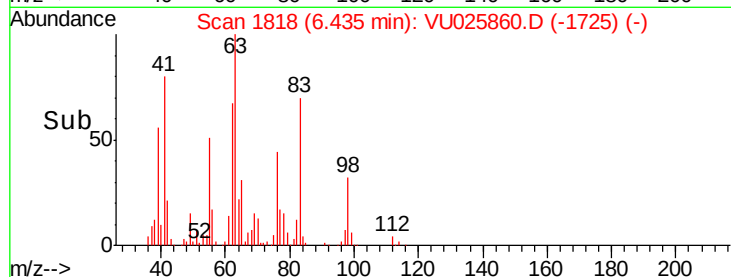
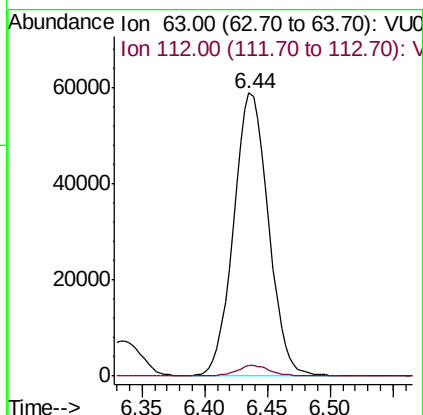
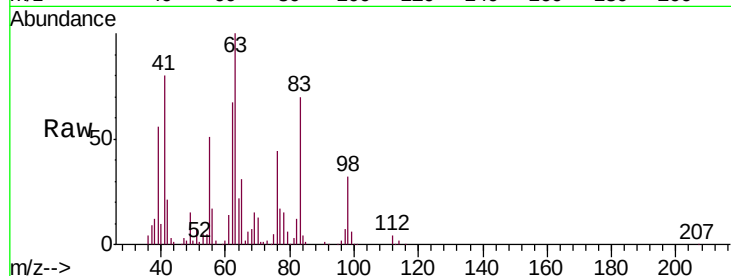




#37
 1,2-Dichloropropane
 Concen: 45.653 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

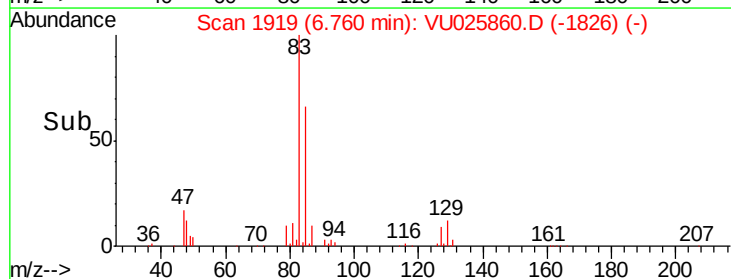
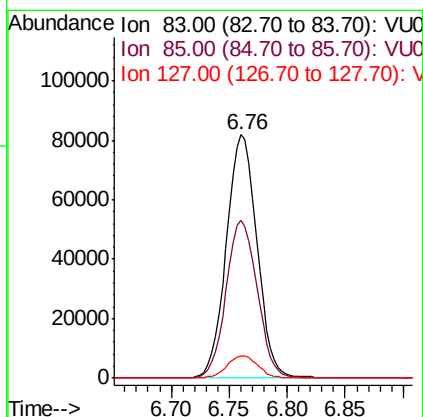
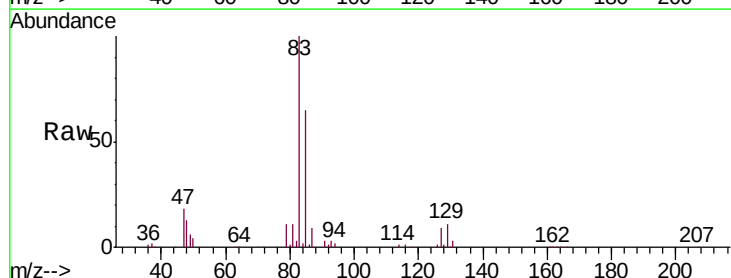
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

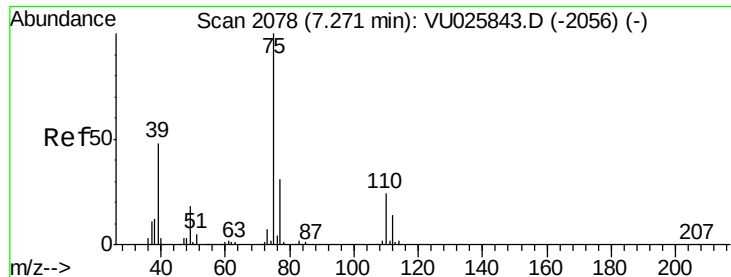
Tgt Ion: 63 Resp: 112764
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.3 4.9



#38
 Bromodichloromethane
 Concen: 46.114 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Tgt Ion: 83 Resp: 150175
 Ion Ratio Lower Upper
 83 100
 85 64.8 46.7 86.7
 127 9.3 8.0 12.0

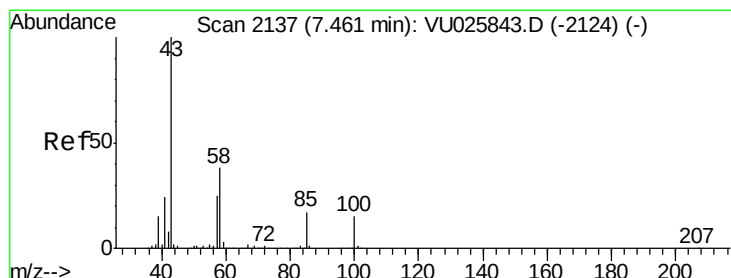
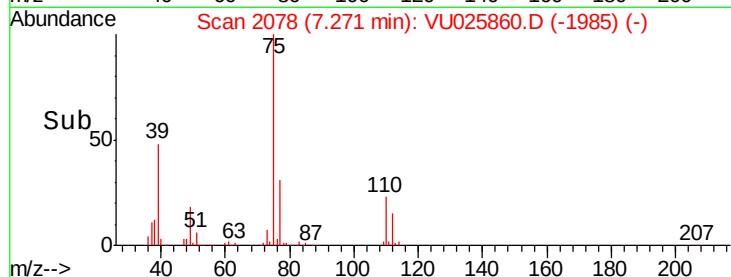
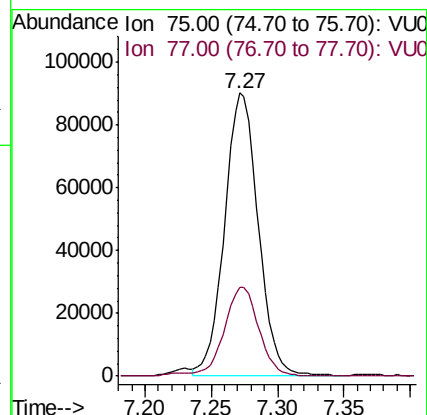
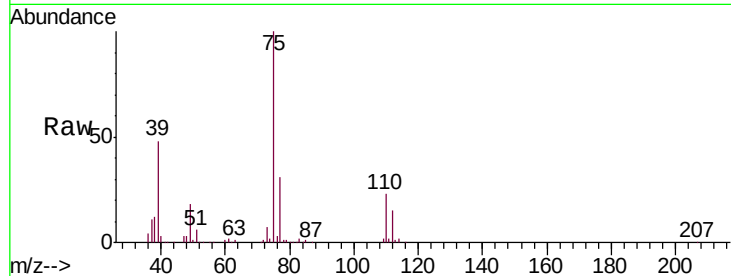




#39
 cis-1,3-Dichloropropene
 Concen: 41.347 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

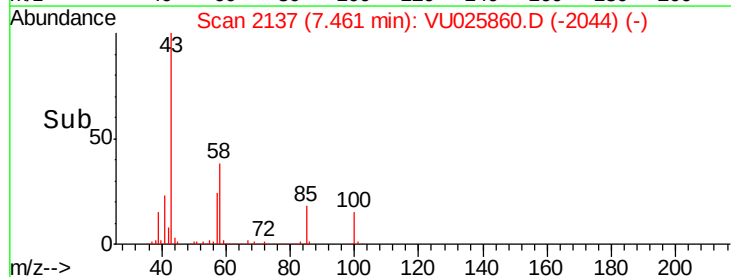
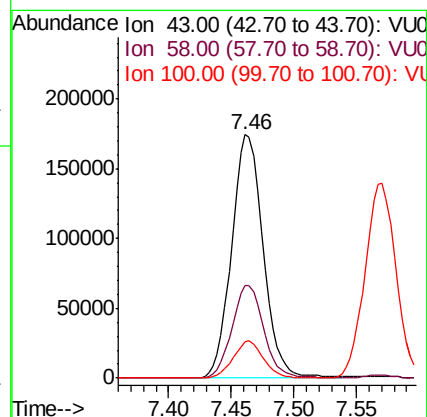
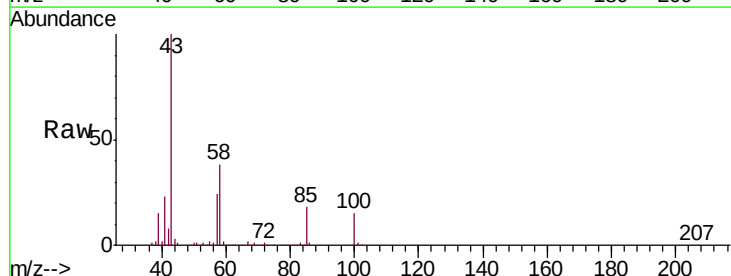
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

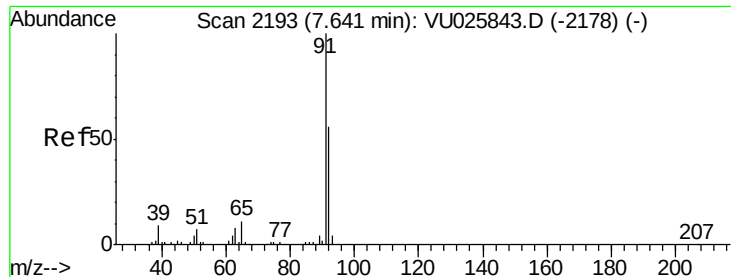
Tgt Ion: 75 Resp: 158491
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 94.073 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Tgt Ion: 43 Resp: 305141
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.8 46.2
 100 14.7 12.1 18.1





#42

Toluene

Concen: 45.438 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

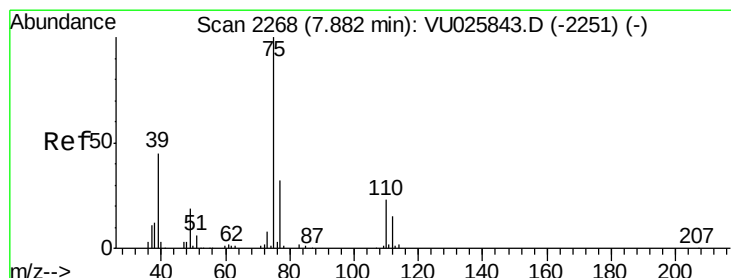
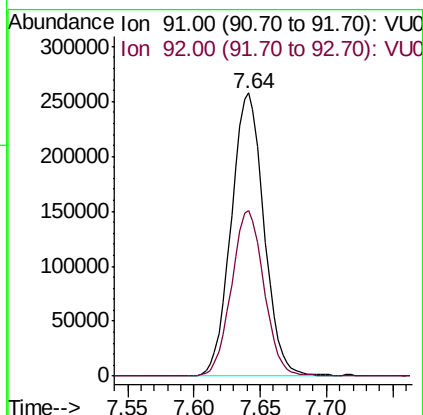
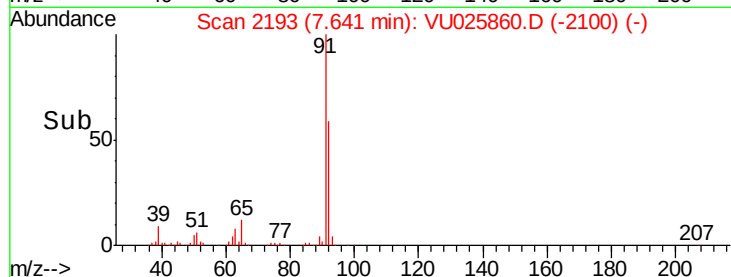
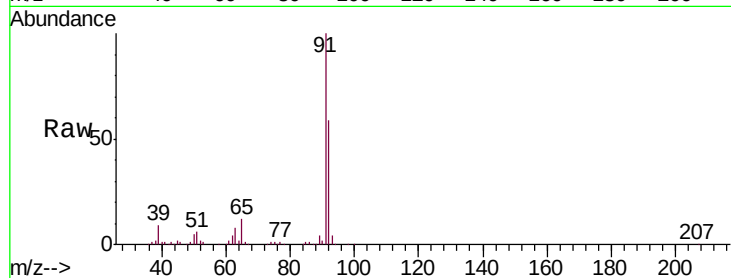
VSTD05052

Tgt Ion: 91 Resp: 442914

Ion Ratio Lower Upper

91 100

92 58.6 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 42.377 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025860.D

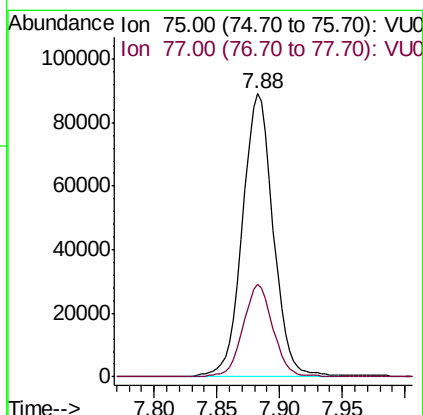
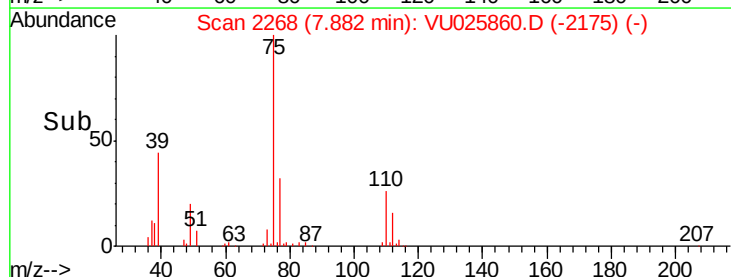
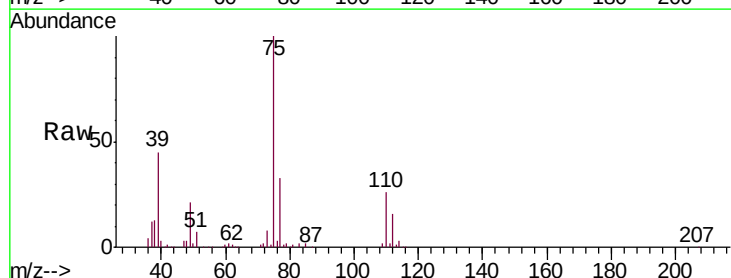
Acq: 04 Aug 2018 07:36

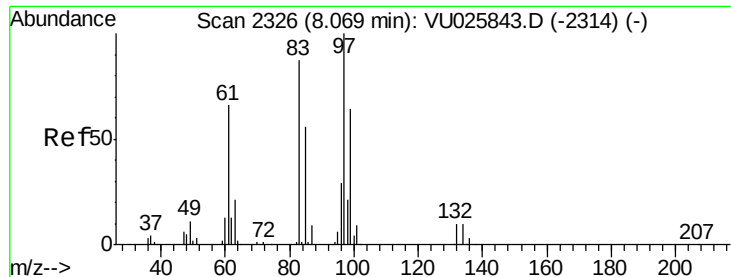
Tgt Ion: 75 Resp: 153156

Ion Ratio Lower Upper

75 100

77 32.6 22.2 41.2

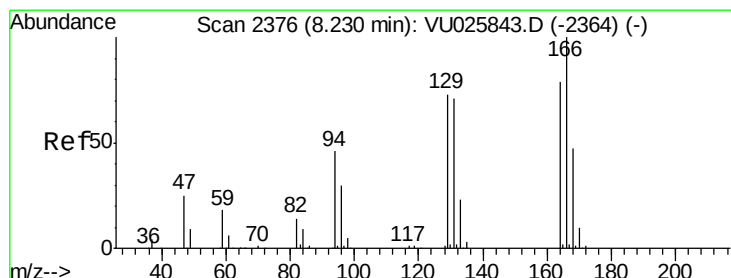
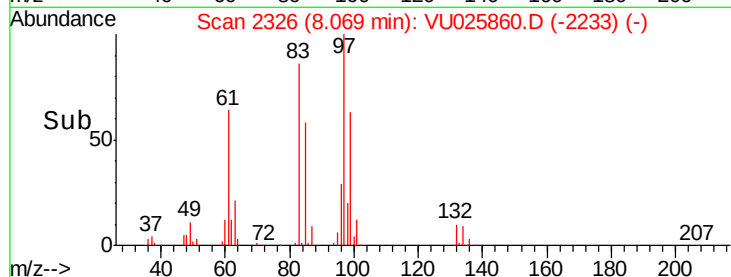
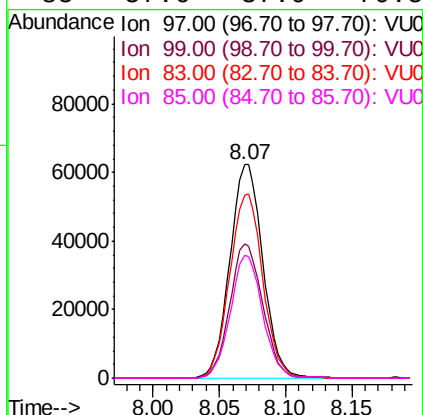
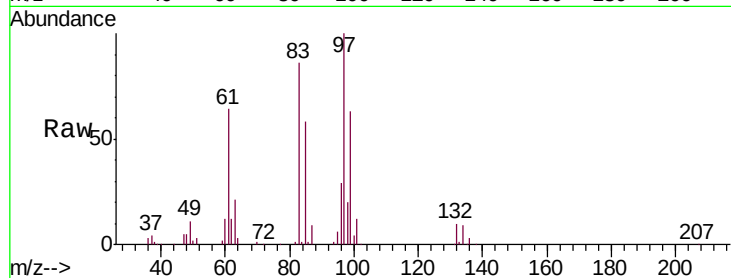




#45
 1,1,2-Trichloroethane
 Concen: 45.525 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

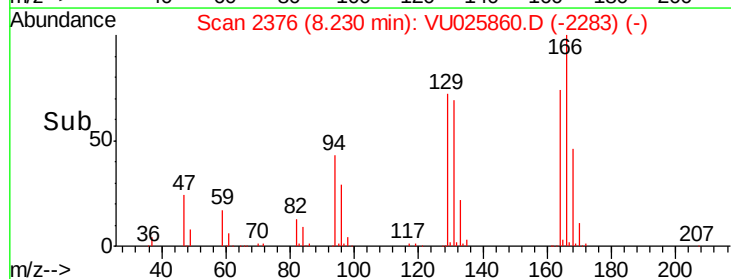
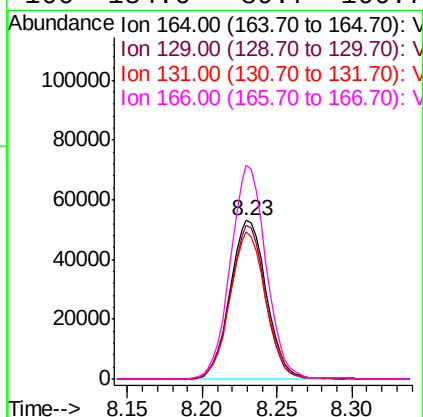
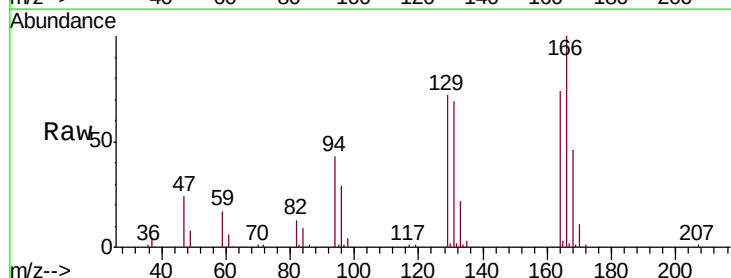
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

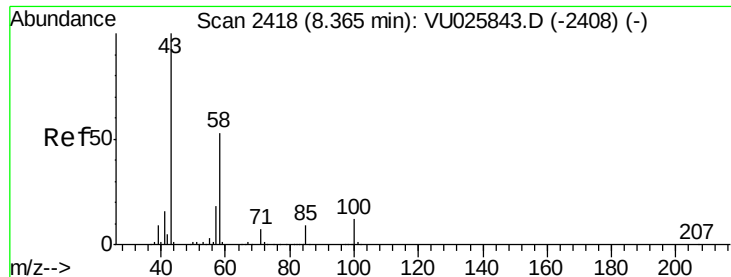
Tgt Ion:	97	Resp:	107859
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.3	82.3
83	85.7	59.8	111.1
85	57.6	37.9	70.5



#46
 Tetrachloroethene
 Concen: 43.254 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Tgt Ion:	164	Resp:	89932
Ion	Ratio	Lower	Upper
164	100		
129	97.1	65.1	120.9
131	92.5	62.8	116.6
166	134.6	89.7	166.7

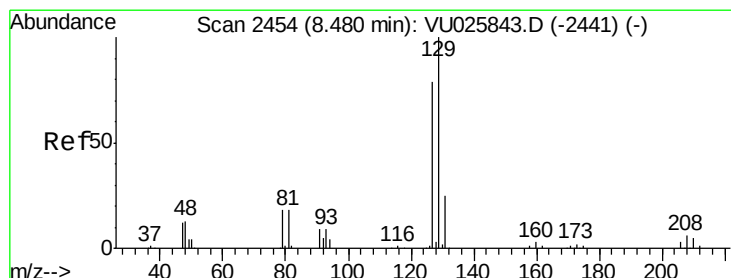
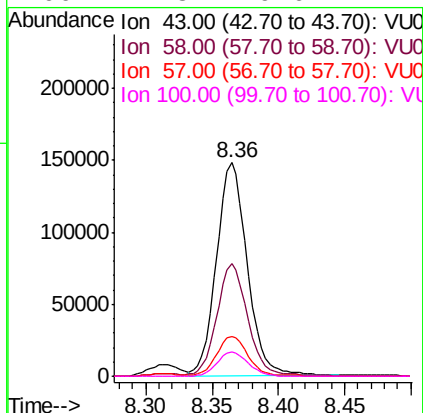
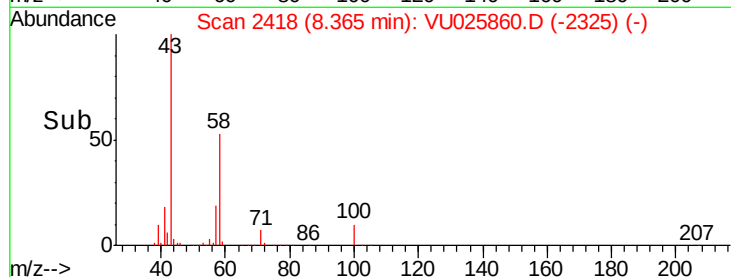
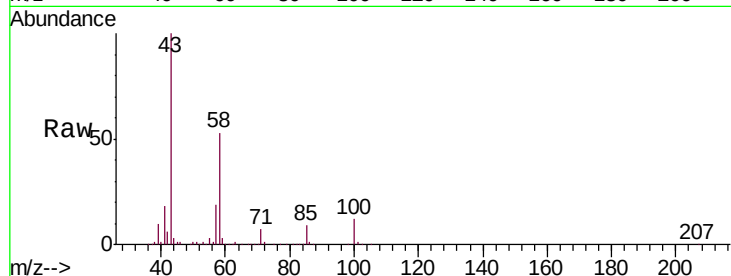




#48
2-Hexanone
Concen: 86.790 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025860.D
Acq: 04 Aug 2018 07:36

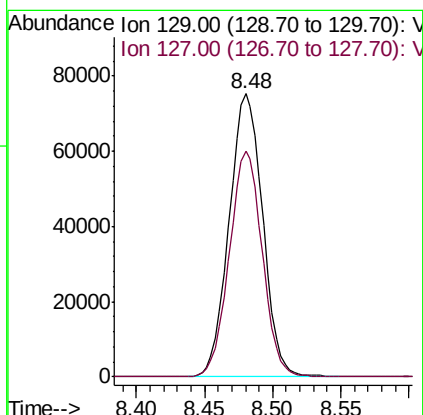
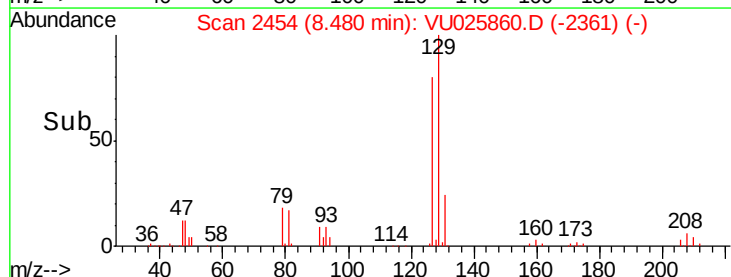
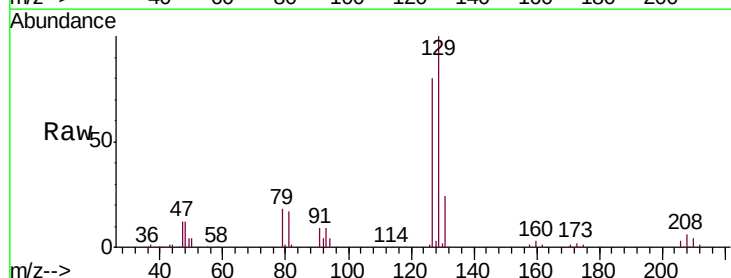
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

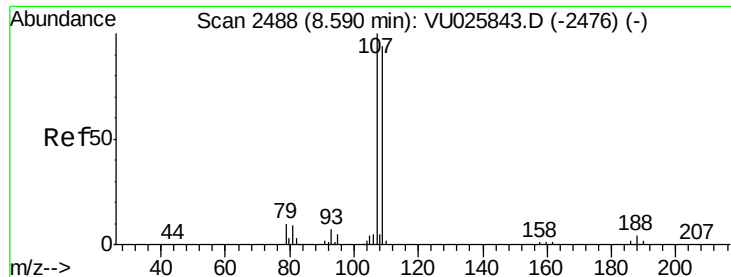
Tgt Ion:	43	Resp:	237877
Ion	Ratio	Lower	Upper
43	100		
58	53.0	42.9	64.3
57	18.3	15.4	23.2
100	11.8	9.6	14.4



#49
Dibromochloromethane
Concen: 46.325 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025860.D
Acq: 04 Aug 2018 07:36

Tgt Ion:	129	Resp:	128747
Ion	Ratio	Lower	Upper
129	100		
127	80.0	53.8	100.0

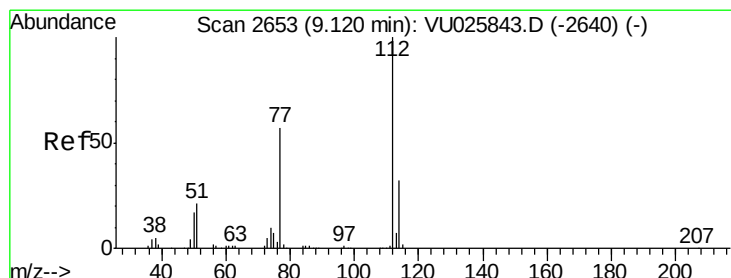
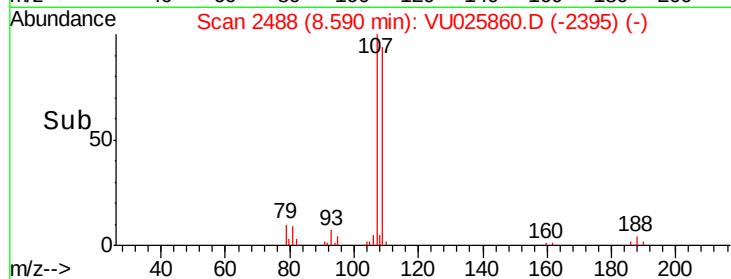
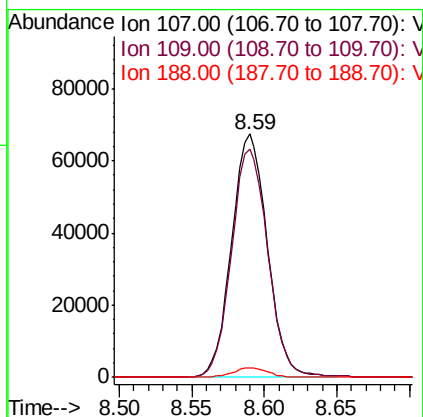
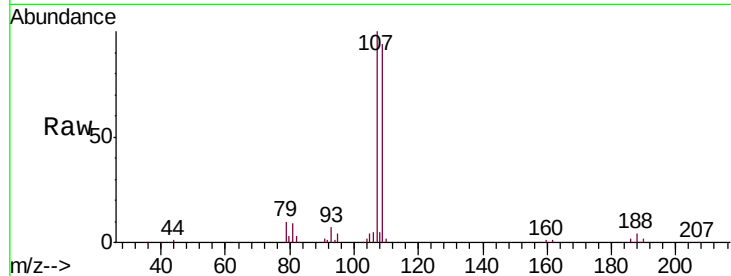




#50
1,2-Dibromoethane
Concen: 45.229 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025860.D
Acq: 04 Aug 2018 07:36

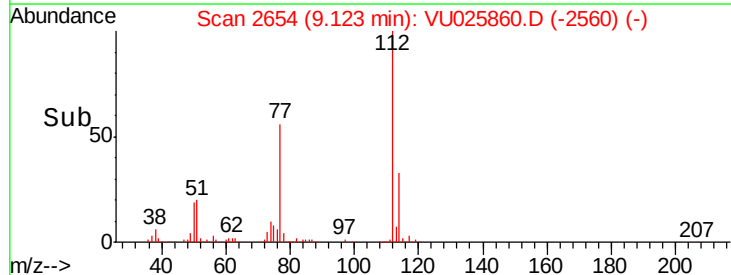
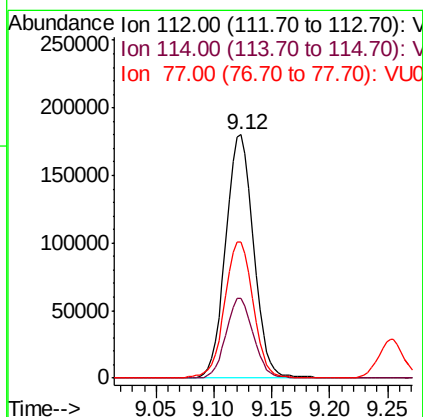
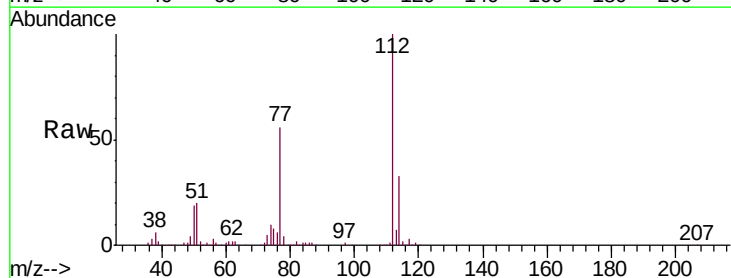
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

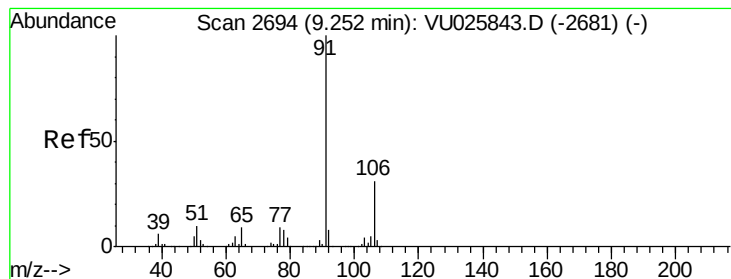
Tgt Ion:107 Resp: 115446
Ion Ratio Lower Upper
107 100
109 93.7 66.6 123.8
188 3.8 3.2 4.8



#51
Chlorobenzene
Concen: 45.605 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025860.D
Acq: 04 Aug 2018 07:36

Tgt Ion:112 Resp: 299274
Ion Ratio Lower Upper
112 100
114 32.7 22.5 41.9
77 55.7 45.8 68.8





#52

Ethylbenzene

Concen: 46.144 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

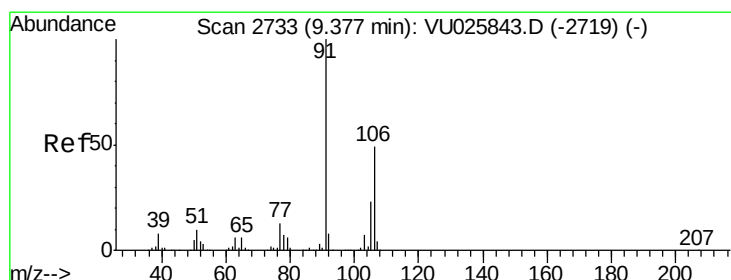
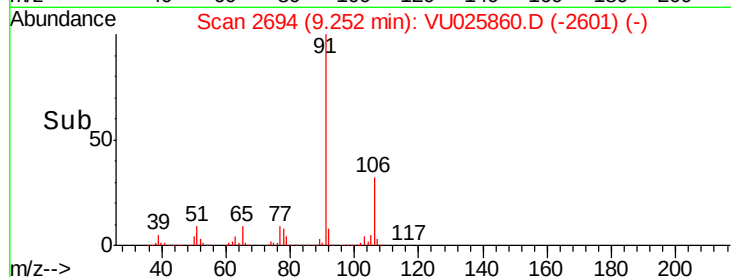
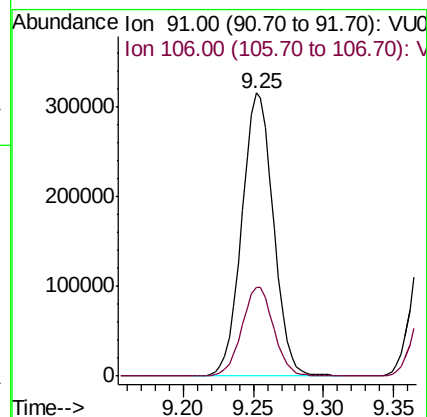
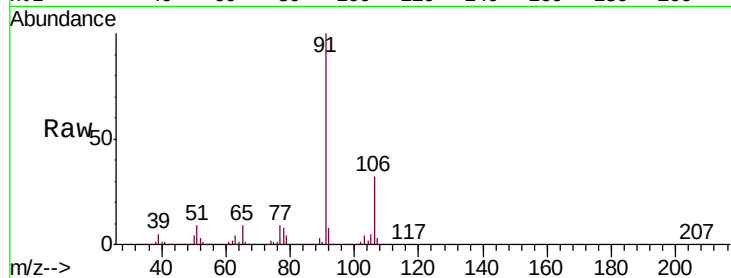
VSTD05052

Tgt Ion: 91 Resp: 496443

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.5



#53

m,p-Xylene

Concen: 46.440 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025860.D

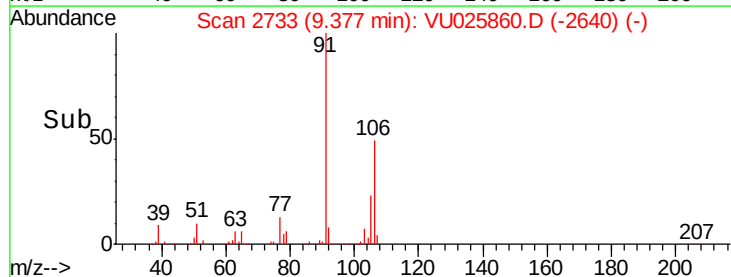
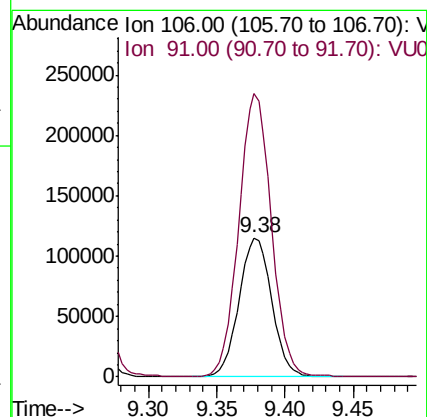
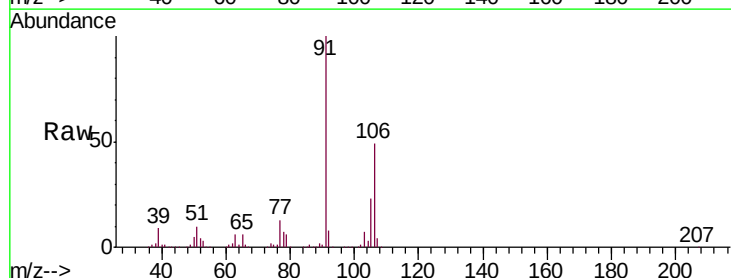
Acq: 04 Aug 2018 07:36

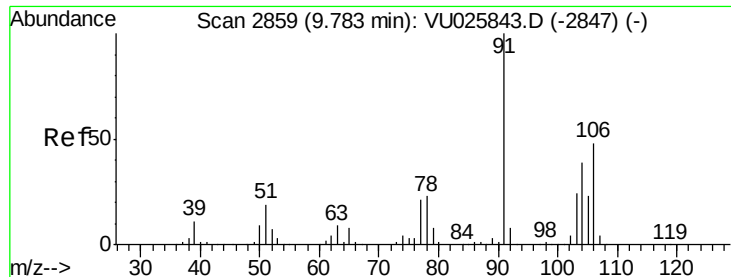
Tgt Ion: 106 Resp: 191376

Ion Ratio Lower Upper

106 100

91 203.9 141.7 263.3





#54

o-xylene

Concen: 45.484 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

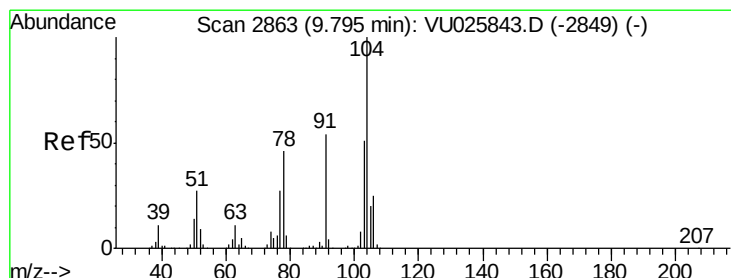
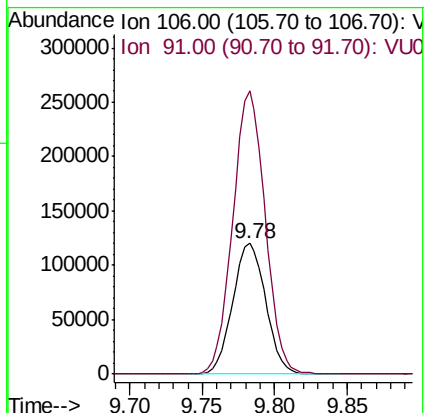
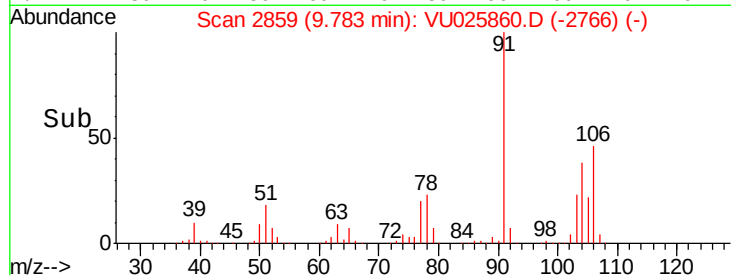
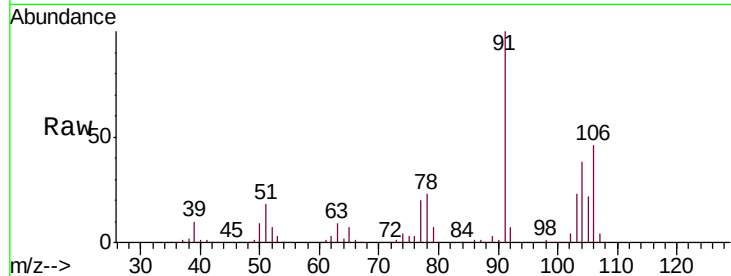
VSTD05052

Tgt Ion:106 Resp: 190192

Ion Ratio Lower Upper

106 100

91 216.1 150.6 279.6



#55

Styrene

Concen: 48.040 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025860.D

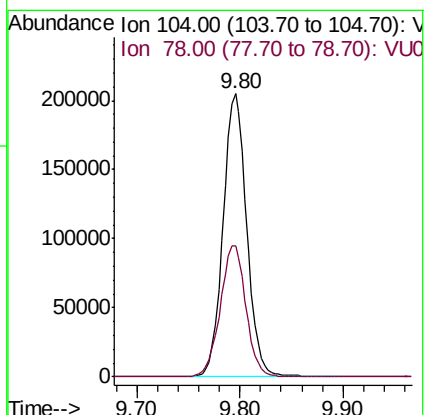
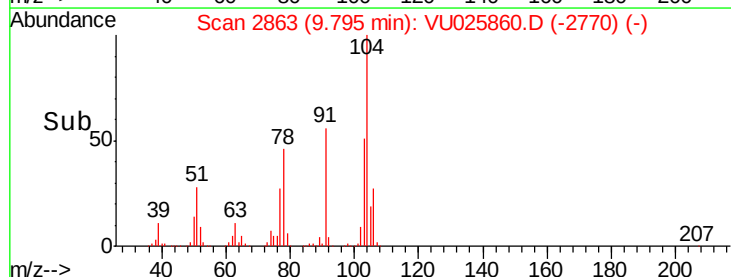
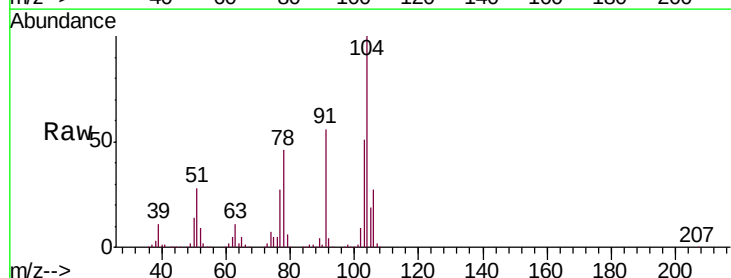
Acq: 04 Aug 2018 07:36

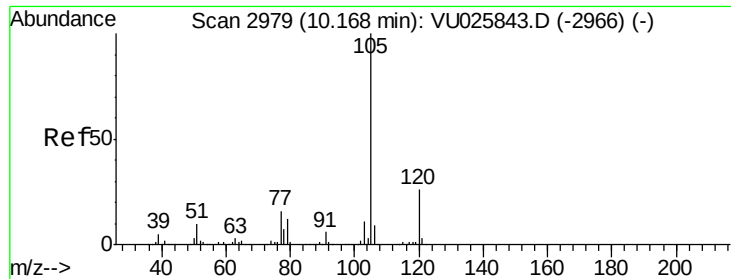
Tgt Ion:104 Resp: 327175

Ion Ratio Lower Upper

104 100

78 46.3 31.8 59.0





#56

Isopropylbenzene

Concen: 45.946 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

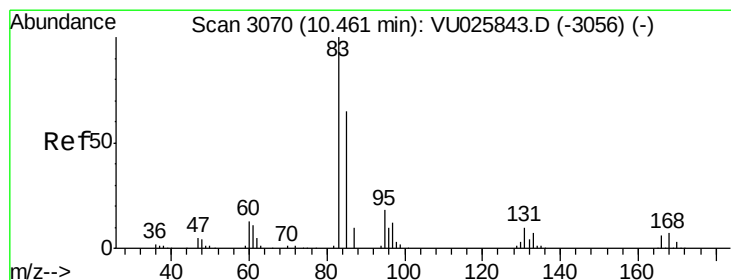
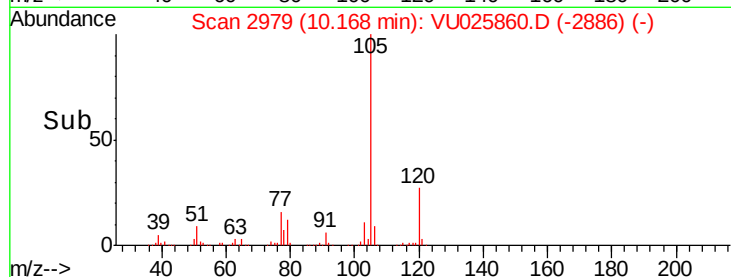
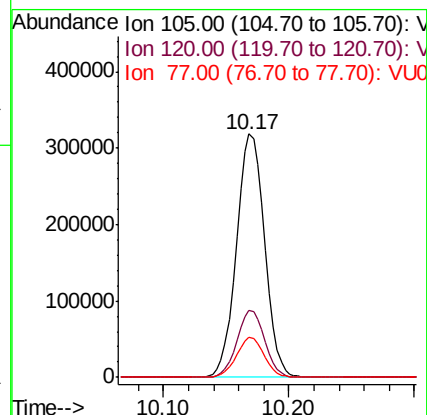
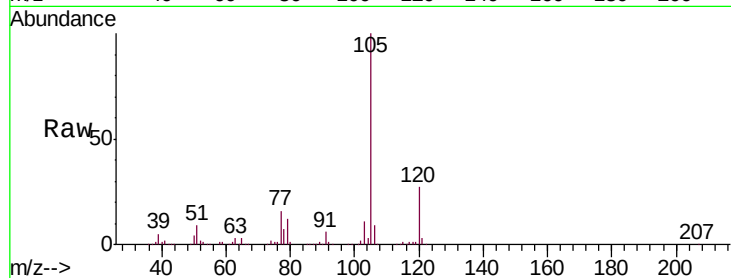
Tgt Ion: 105 Resp: 495816

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

77 16.1 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 46.490 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

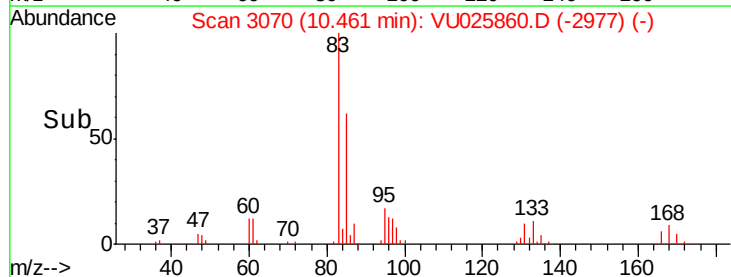
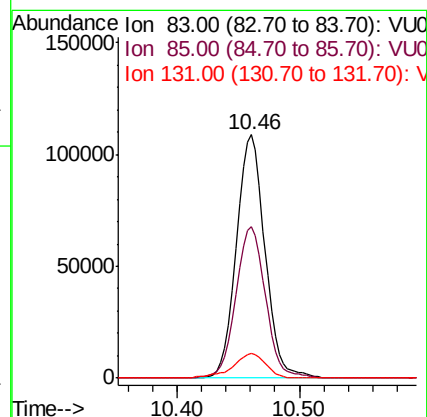
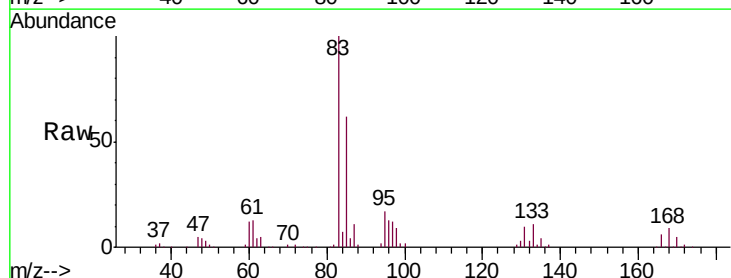
Tgt Ion: 83 Resp: 177668

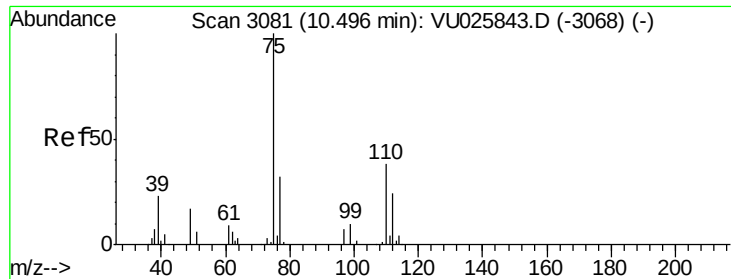
Ion Ratio Lower Upper

83 100

85 62.1 45.1 83.7

131 10.2 8.7 13.1





#59

1,2,3-Trichloropropane

Concen: 45.797 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

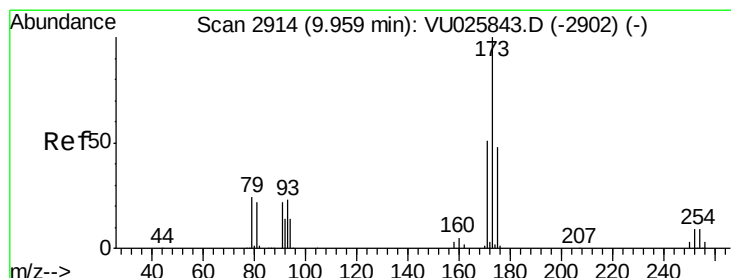
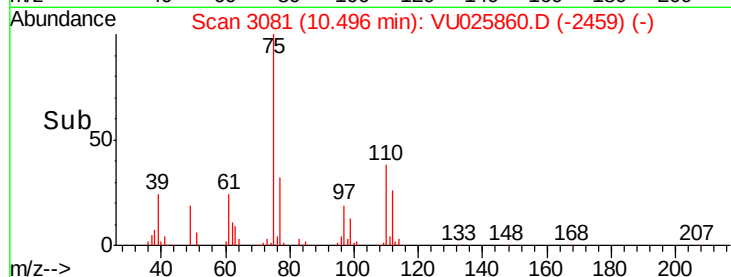
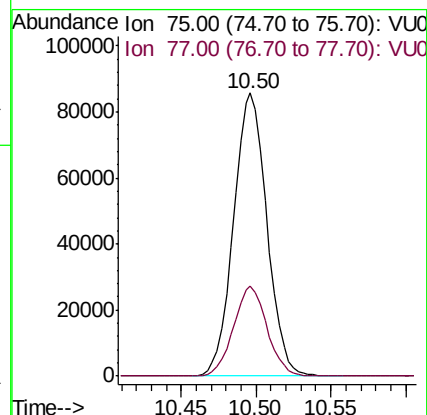
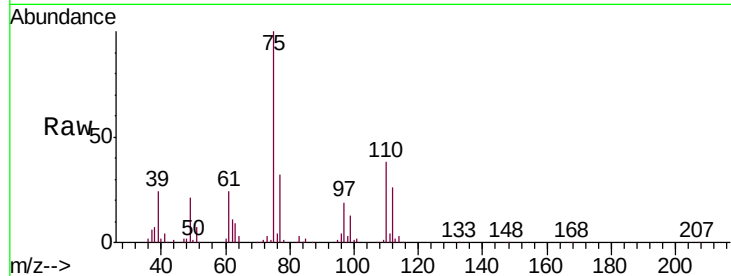
VSTD05052

Tgt Ion: 75 Resp: 132865

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



#61

Bromoform

Concen: 43.355 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

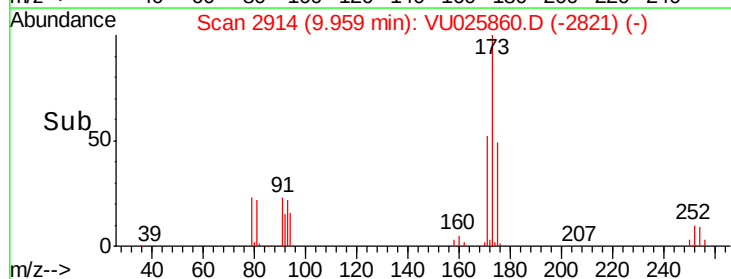
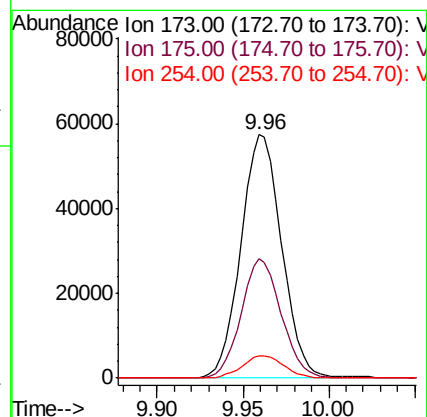
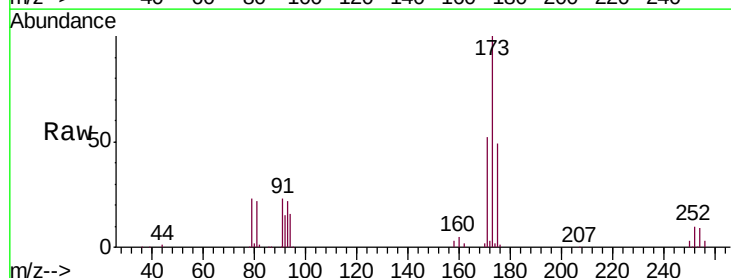
Tgt Ion: 173 Resp: 94408

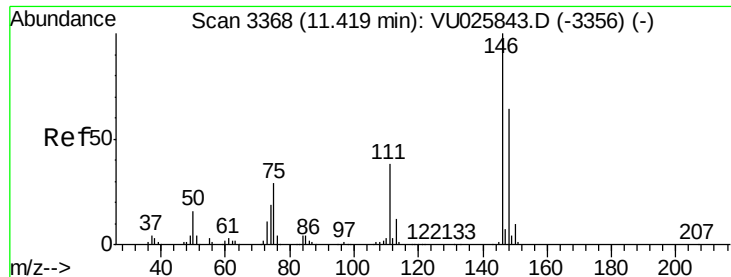
Ion Ratio Lower Upper

173 100

175 48.0 39.8 59.8

254 9.2 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 45.508 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

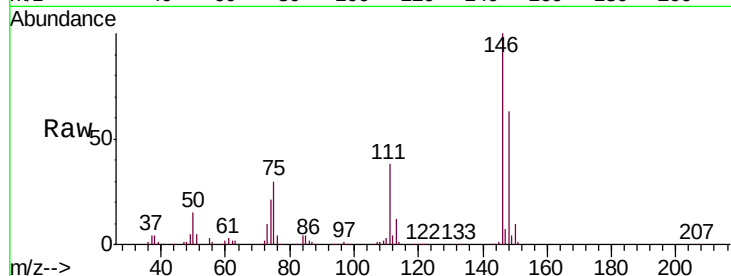
Tgt Ion:146 Resp: 242336

Ion Ratio Lower Upper

146 100

111 38.1 27.7 51.5

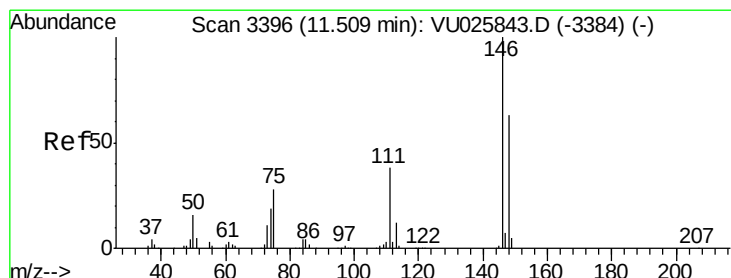
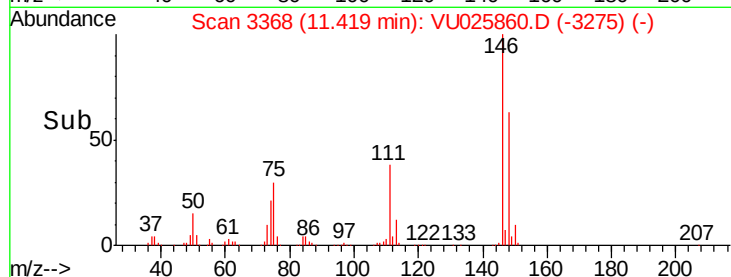
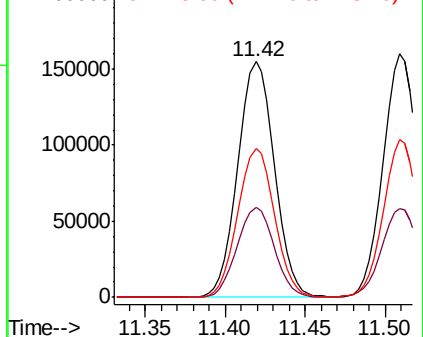
148 63.2 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.767 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

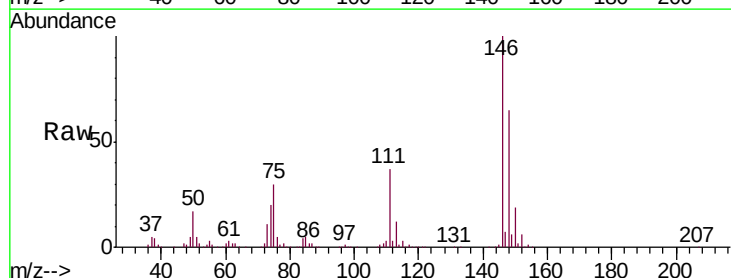
Tgt Ion:146 Resp: 248777

Ion Ratio Lower Upper

146 100

111 36.7 26.9 49.9

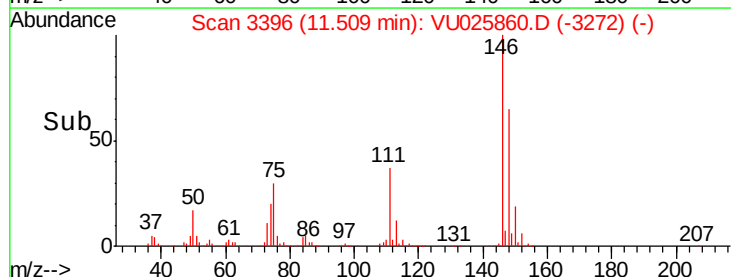
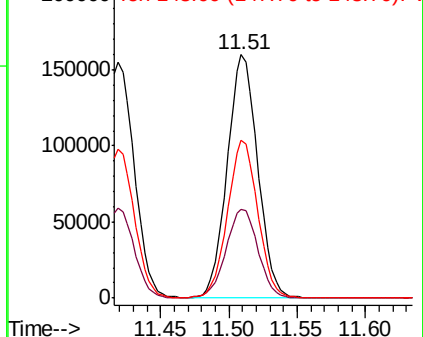
148 64.8 44.6 82.8

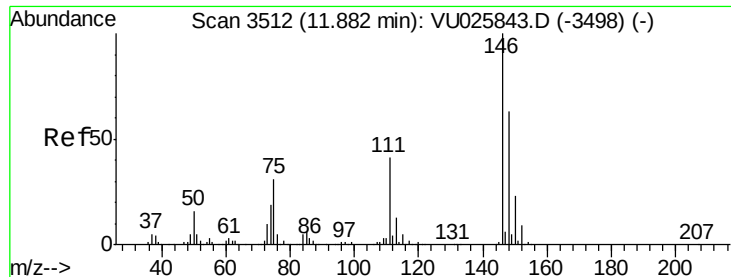


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

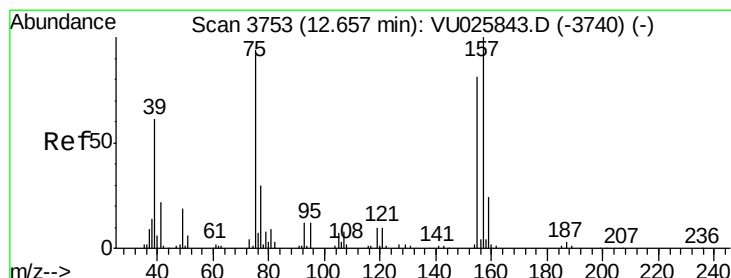
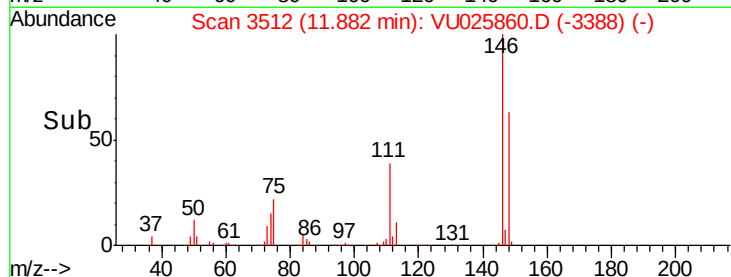
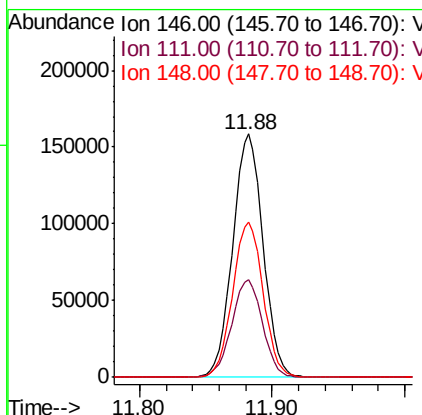
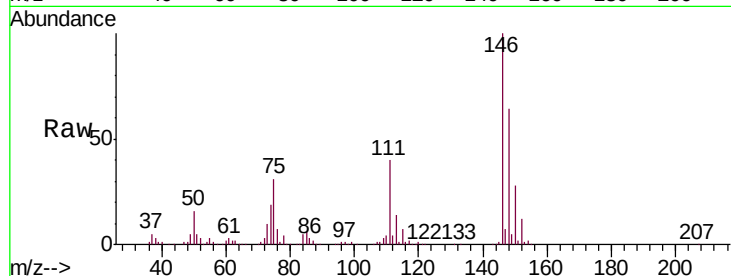




#65
 1,2-Dichlorobenzene
 Concen: 45.153 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

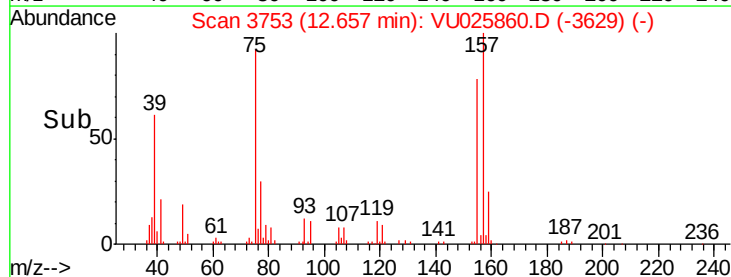
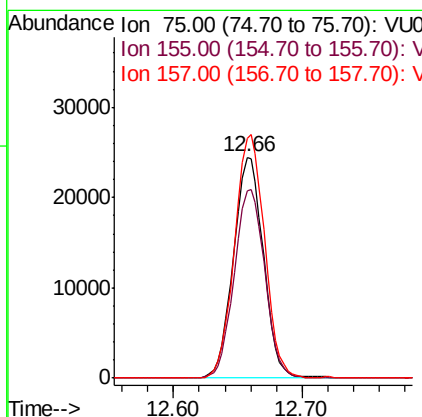
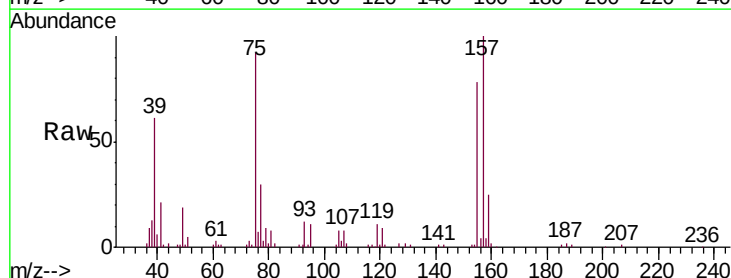
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

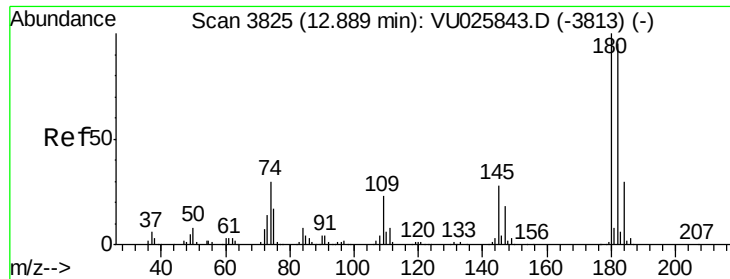
Tgt Ion: 146 Resp: 251902
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.4 48.6
 148 63.8 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.988 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Tgt Ion: 75 Resp: 39472
 Ion Ratio Lower Upper
 75 100
 155 84.7 66.3 99.5
 157 108.9 91.5 137.3

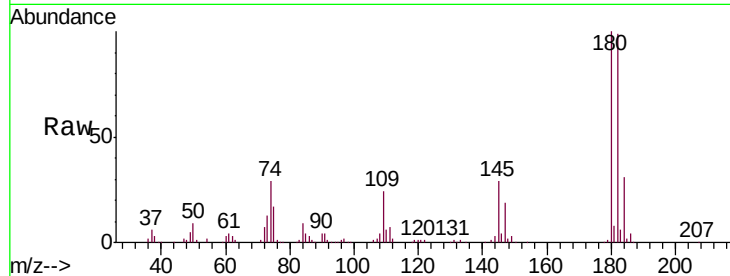




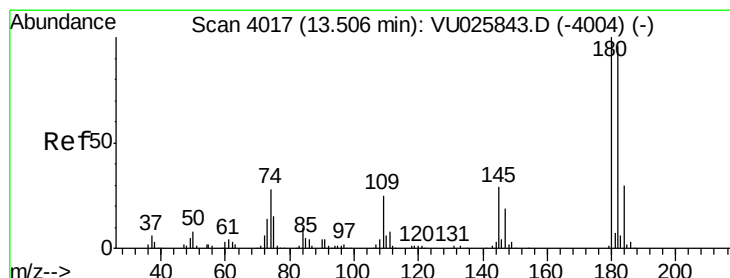
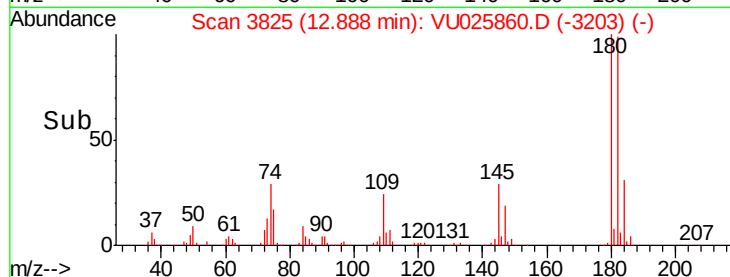
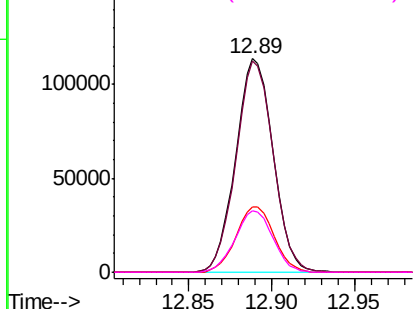
#67
 1,3,5-Trichlorobenzene
 Concen: 43.428 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:	180	Resp:	178507
Ion	Ratio	Lower	Upper
180	100		
182	98.6	77.3	115.9
184	30.9	24.6	36.8
145	29.0	23.0	34.6

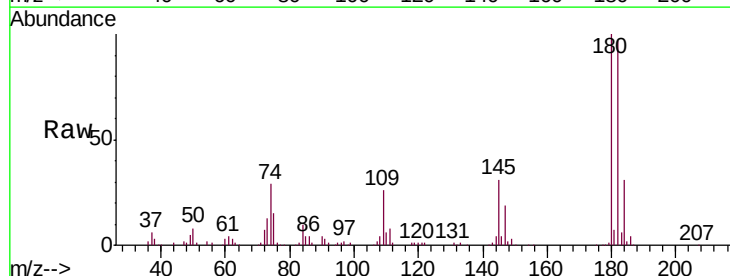


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

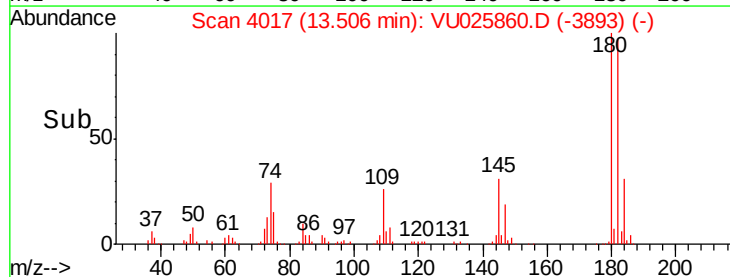
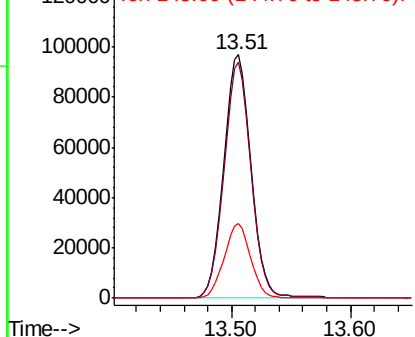


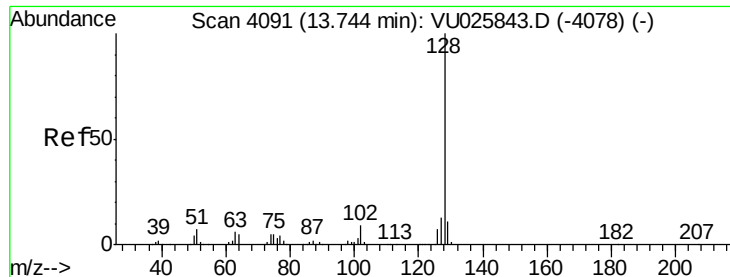
#68
 1,2,4-trichlorobenzene
 Concen: 44.649 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025860.D
 Acq: 04 Aug 2018 07:36

Tgt Ion:	180	Resp:	154244
Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.1	117.1
145	29.7	23.4	35.2



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: 44.762 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

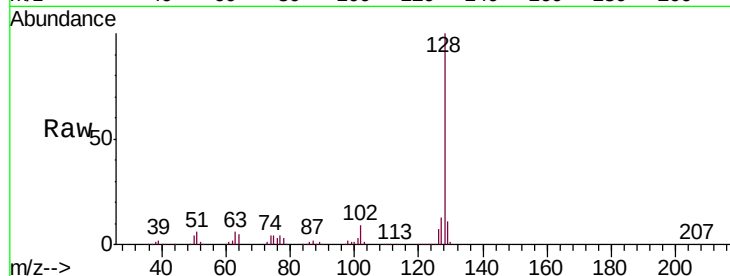
Tgt Ion:128 Resp: 465030

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

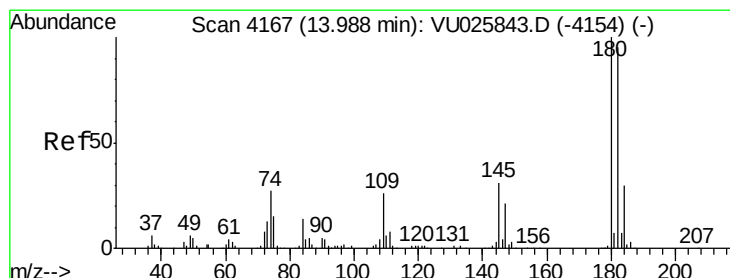
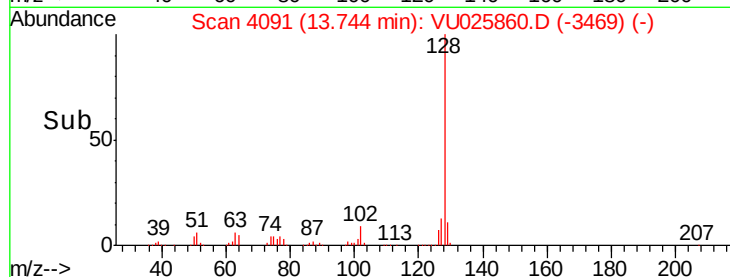
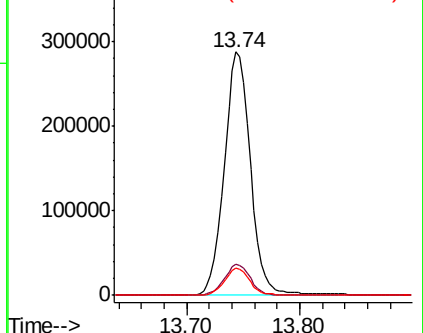
129 10.8 8.4 12.6



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: 44.738 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025860.D

Acq: 04 Aug 2018 07:36

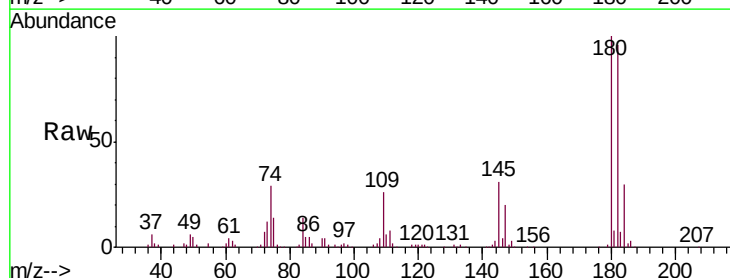
Tgt Ion:180 Resp: 163377

Ion Ratio Lower Upper

180 100

182 95.8 76.6 114.8

145 30.6 25.4 38.2



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

