

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080518\
 Data File : VU025862.D
 Acq On : 04 Aug 2018 10:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Aug 06 01:27:13 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	311078	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	300465	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161970	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78121	43.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.98%
7) Chloroethane-d5	1.68	69	65011	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.76%
11) 1,1-Dichloroethene-d2	2.27	63	168217	45.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.00%
21) 2-Butanone-d5	4.18	46	135661	98.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.95%
24) Chloroform-d	4.65	84	192181	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
26) 1,2-Dichloroethane-d4	5.31	65	126183	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.46%
32) Benzene-d6	5.35	84	359559	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
36) 1,2-Dichloropropane-d6	6.33	67	115118	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.72%
41) Toluene-d8	7.57	98	349894	47.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.70%
43) trans-1,3-Dichloropropene-	7.85	79	59368	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.62%
47) 2-Hexanone-d5	8.31	63	99687	95.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	166973	48.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	150997	46.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	130093	42.444 ug/L	99
3) Chloromethane	1.33	50	103255	46.648 ug/L	98
5) Vinyl chloride	1.41	62	105465	43.441 ug/L	99
6) Bromomethane	1.63	94	52576	62.273 ug/L	92
8) Chloroethane	1.70	64	64814	45.338 ug/L	97
9) Trichlorofluoromethane	1.89	101	159621	46.170 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	92109	47.576 ug/L	99
12) 1,1-Dichloroethene	2.28	96	79579	45.329 ug/L	99
13) Acetone	2.32	43	152960	95.050 ug/L	98
14) Carbon disulfide	2.48	76	252288	44.133 ug/L	100
15) Methyl Acetate	2.62	43	109728	49.325 ug/L	99
16) Methylene chloride	2.70	84	102754	46.986 ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	93517	46.266 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	309287	46.983 ug/L	99
19) 1,1-Dichloroethane	3.45	63	181129	47.108 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	107698	47.203 ug/L	96
22) 2-Butanone	4.26	43	170392	95.111 ug/L	98

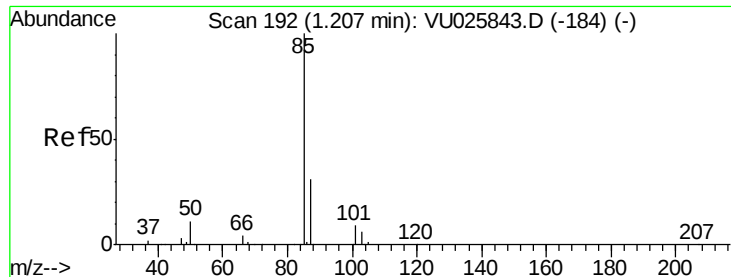
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080518\
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 Quant Title : VOC Analysis
 QLast Update : Sat Aug 04 04:39:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	57549	47.788	ug/L	98
25) Chloroform	4.68	83	195589	48.342	ug/L	97
27) 1,2-Dichloroethane	5.41	62	159910	48.456	ug/L	99
29) Cyclohexane	5.00	56	146180	41.993	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	172149	45.787	ug/L	98
31) Carbon tetrachloride	5.14	117	156005	44.873	ug/L	98
33) Benzene	5.39	78	394229	45.664	ug/L	100
34) Trichloroethene	6.19	95	105508	46.060	ug/L	98
35) Methylcyclohexane	6.42	83	159223	43.109	ug/L	98
37) 1,2-Dichloropropane	6.44	63	109569	46.444	ug/L	100
38) Bromodichloromethane	6.76	83	148884	47.865	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	167151	45.655	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	297404	95.995	ug/L	99
42) Toluene	7.64	91	432288	46.431	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	164702	47.712	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	104167	46.032	ug/L	98
46) Tetrachloroethene	8.23	164	91645	46.149	ug/L	98
48) 2-Hexanone	8.36	43	242049	92.460	ug/L	100
49) Dibromochloromethane	8.48	129	124837	47.028	ug/L	99
50) 1,2-Dibromoethane	8.59	107	110851	45.469	ug/L	99
51) Chlorobenzene	9.12	112	289887	46.249	ug/L	100
52) Ethylbenzene	9.25	91	481980	46.904	ug/L	100
53) m,p-Xylene	9.38	106	189045	48.029	ug/L	97
54) o-xylene	9.78	106	184941	46.306	ug/L	97
55) Styrene	9.80	104	316709	48.688	ug/L	99
56) Isopropylbenzene	10.17	105	487506	47.298	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	170139	46.612	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	129029	46.564	ug/L	99
61) Bromoform	9.96	173	94448	45.081	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	236486	46.158	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	246538	47.141	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	247295	46.073	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	37674	44.630	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	183250	46.337	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	157162	47.285	ug/L	98
69) Naphthalene	13.74	128	445250	44.546	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	163599	46.562	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 42.444 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

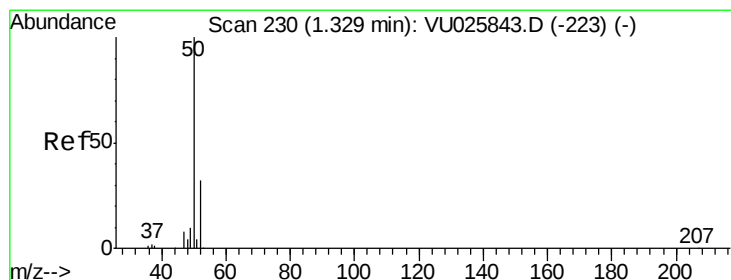
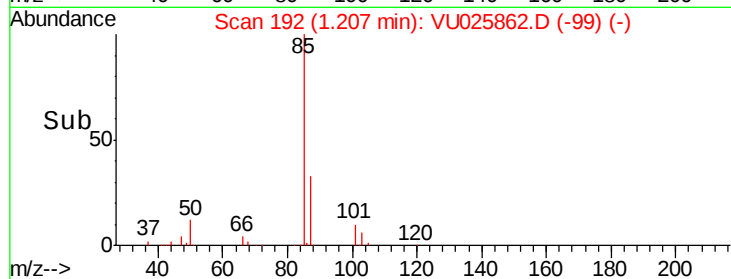
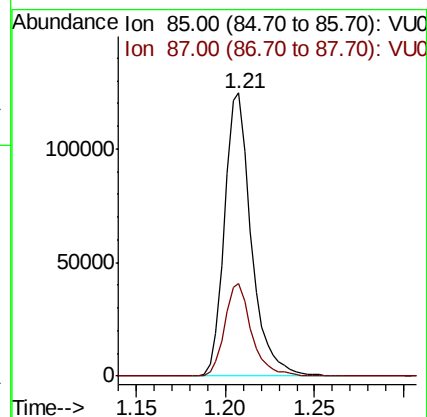
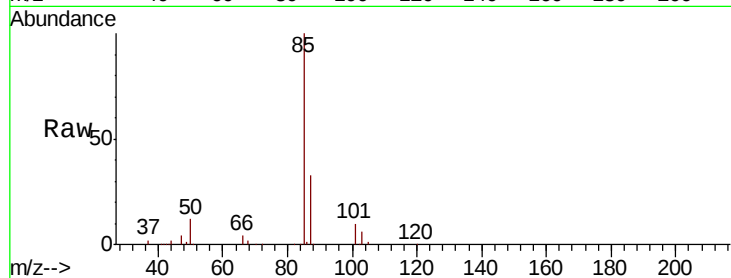
VSTD05053

Tgt Ion: 85 Resp: 130093

Ion Ratio Lower Upper

85 100

87 32.7 25.6 38.4



#3

Chloromethane

Concen: 46.648 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025862.D

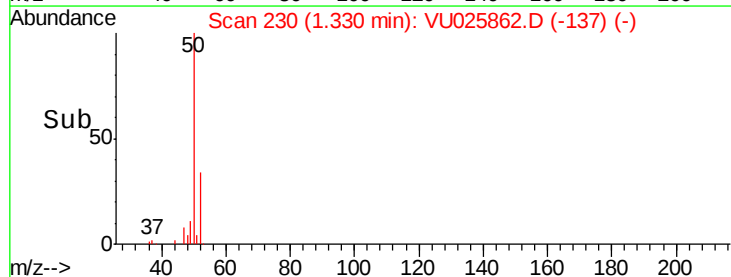
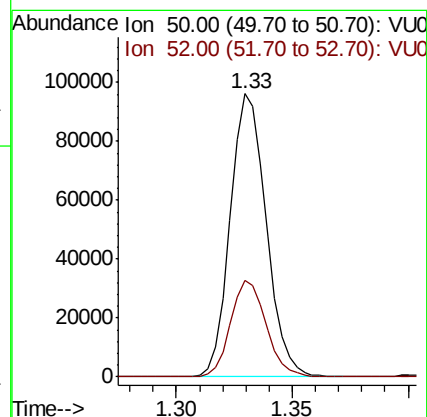
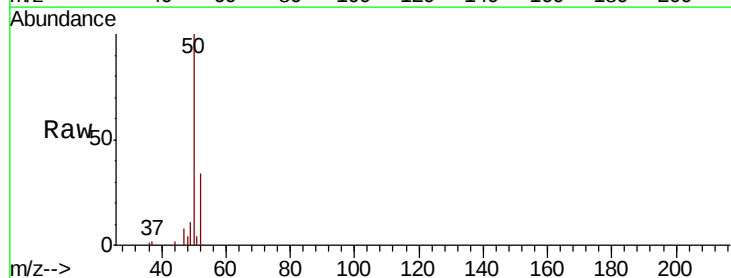
Acq: 04 Aug 2018 10:01

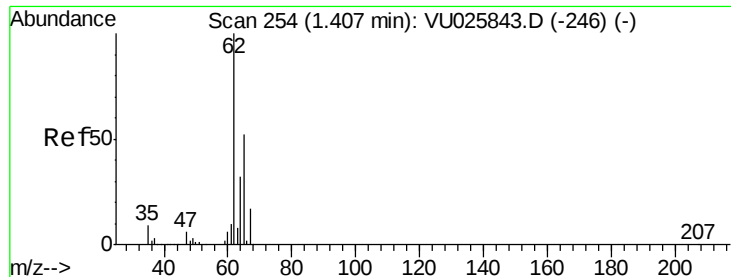
Tgt Ion: 50 Resp: 103255

Ion Ratio Lower Upper

50 100

52 34.1 23.2 43.2





#5

Vinyl chloride

Concen: 43.441 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampled :

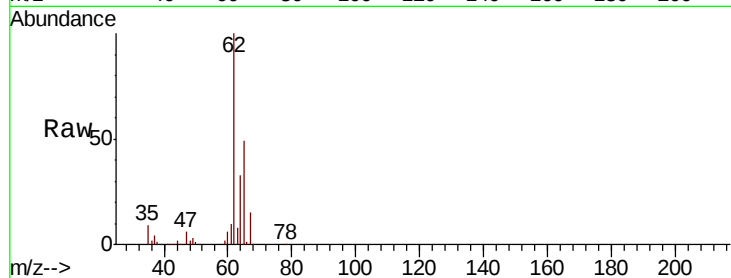
VSTD05053

Tgt Ion: 62 Resp: 105465

Ion Ratio Lower Upper

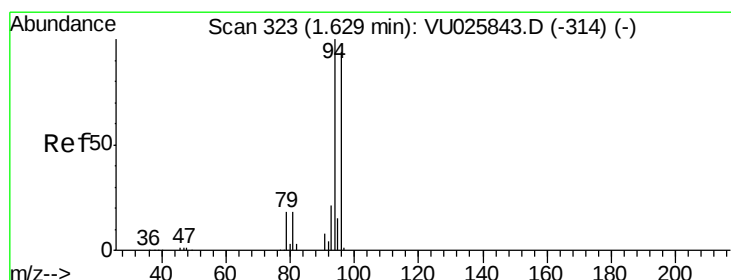
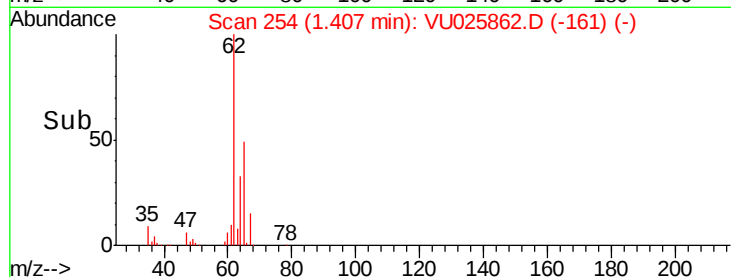
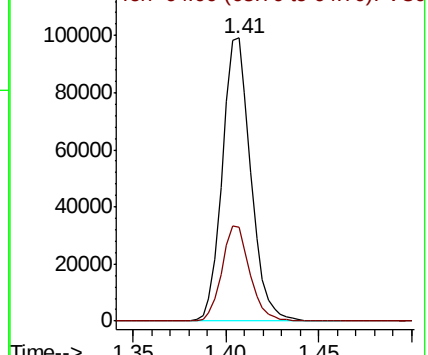
62 100

64 33.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 62.273 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025862.D

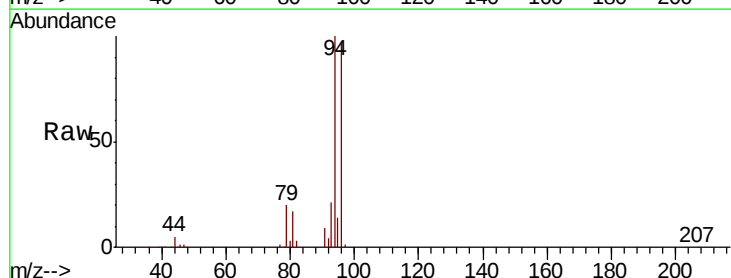
Acq: 04 Aug 2018 10:01

Tgt Ion: 94 Resp: 52576

Ion Ratio Lower Upper

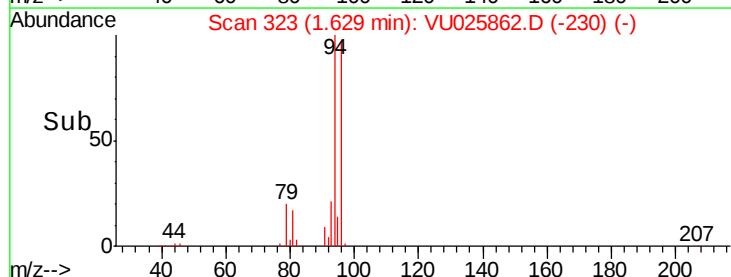
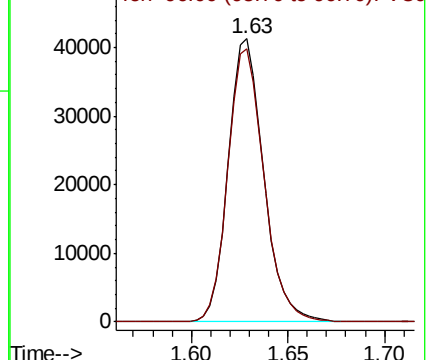
94 100

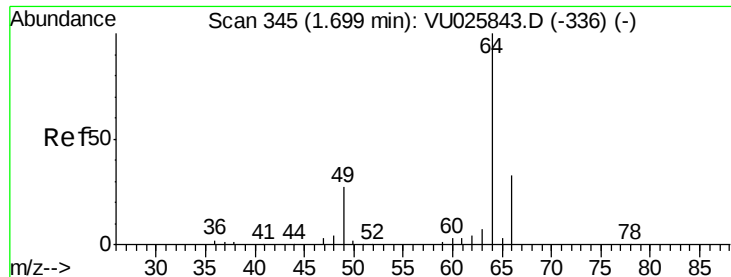
96 96.6 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 45.338 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

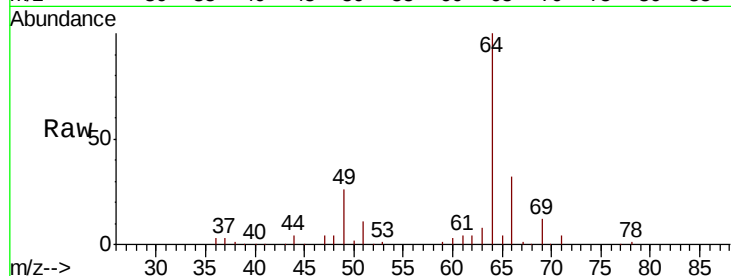
VSTD05053

Tgt Ion: 64 Resp: 64814

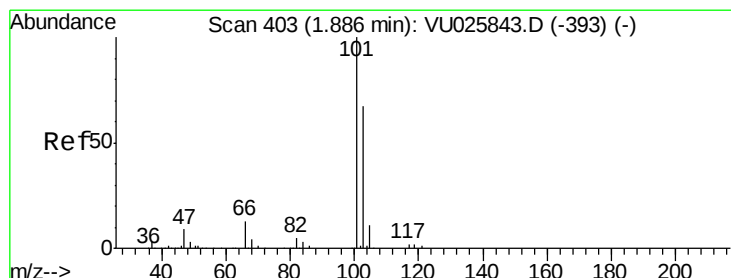
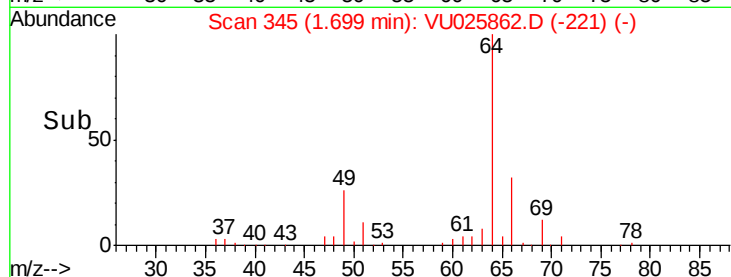
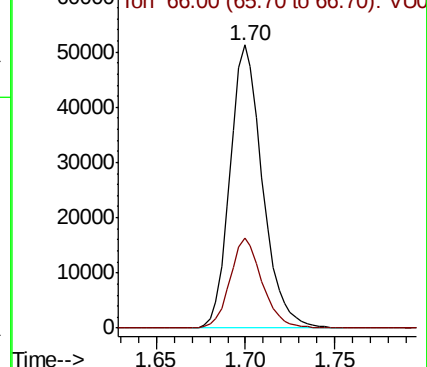
Ion Ratio Lower Upper

64 100

66 31.6 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VU025843.D (-336) (-)



#9

Trichlorofluoromethane

Concen: 46.170 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025862.D

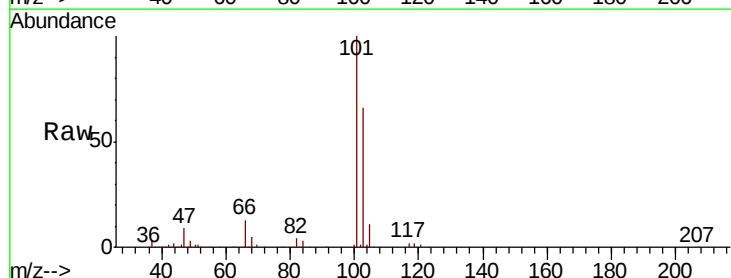
Acq: 04 Aug 2018 10:01

Tgt Ion: 101 Resp: 159621

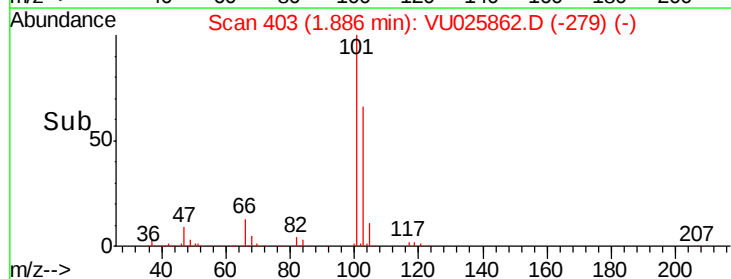
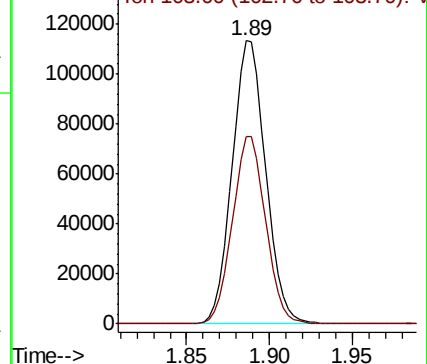
Ion Ratio Lower Upper

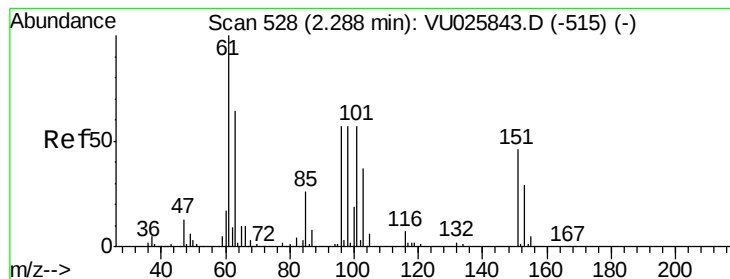
101 100

103 65.5 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU025843.D (-393) (-)





#10

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

Concen: 47.576 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

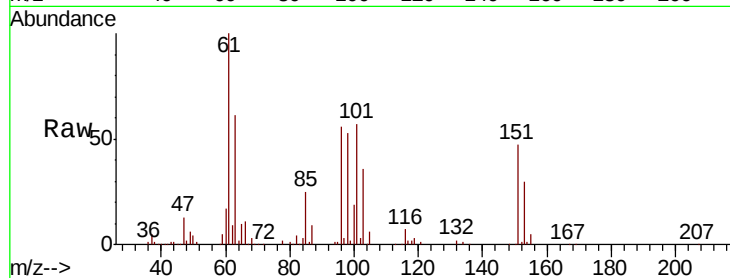
Tgt Ion:101 Resp: 92109

Ion Ratio Lower Upper

101 100

85 44.3 35.5 53.3

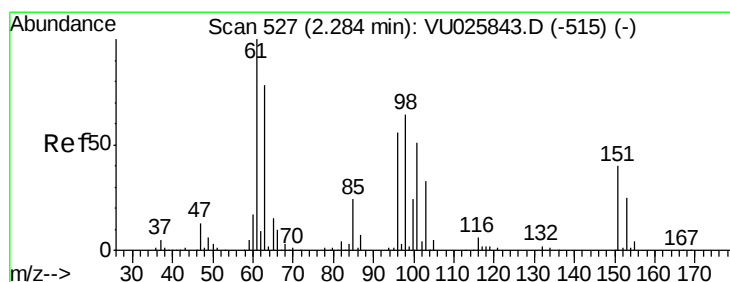
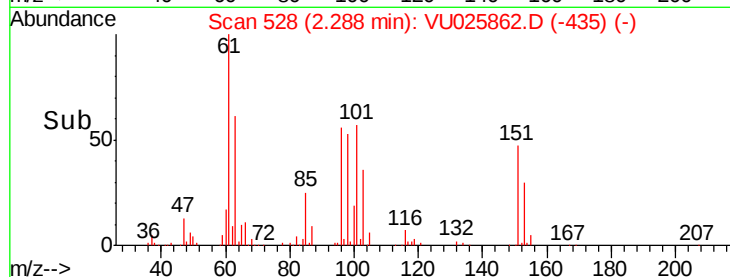
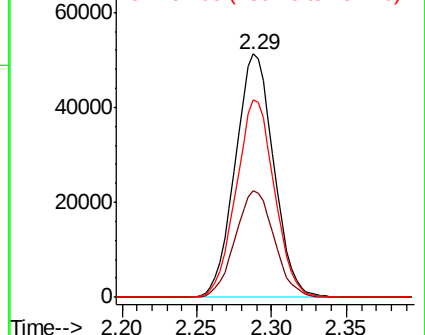
151 80.6 63.5 95.3



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: 45.329 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

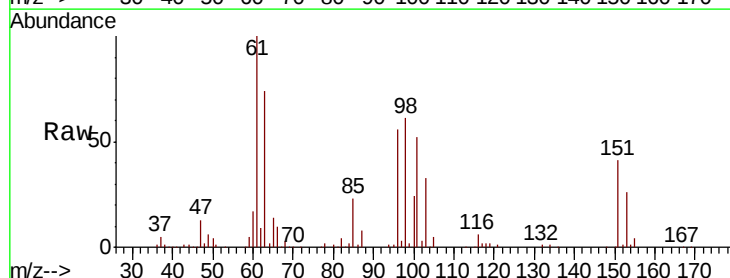
Tgt Ion: 96 Resp: 79579

Ion Ratio Lower Upper

96 100

61 177.2 122.5 227.5

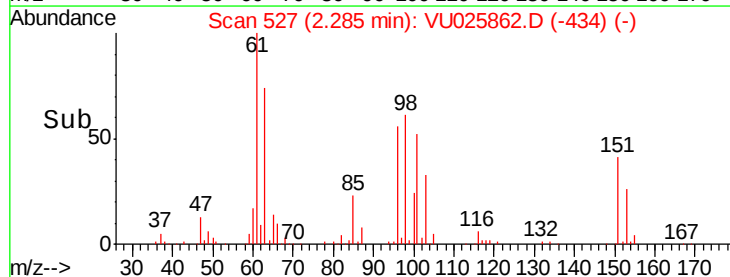
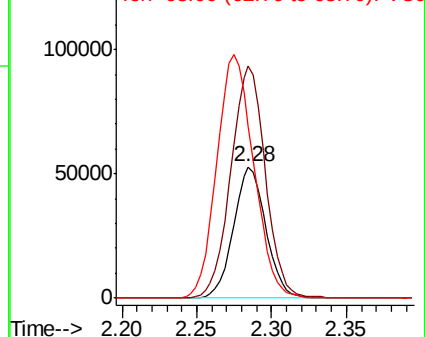
63 131.3 90.9 168.9

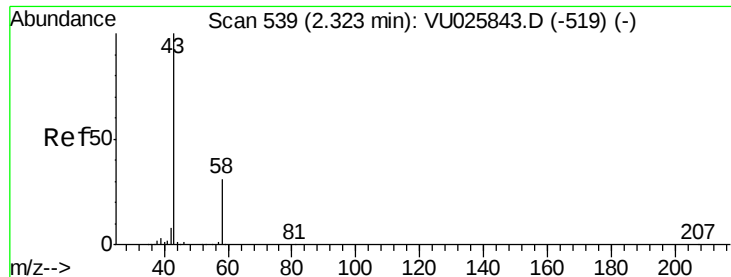


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.050 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

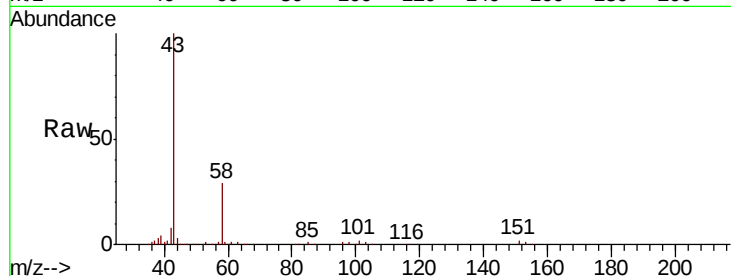
VSTD05053

Tgt Ion: 43 Resp: 152960

Ion Ratio Lower Upper

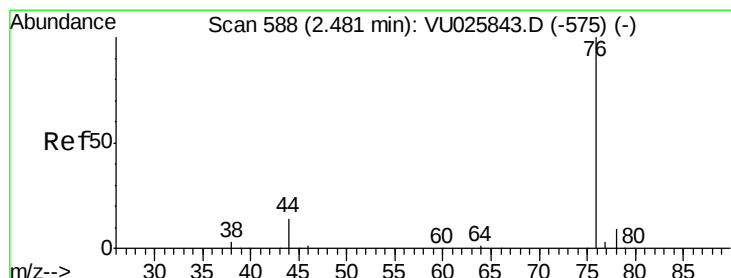
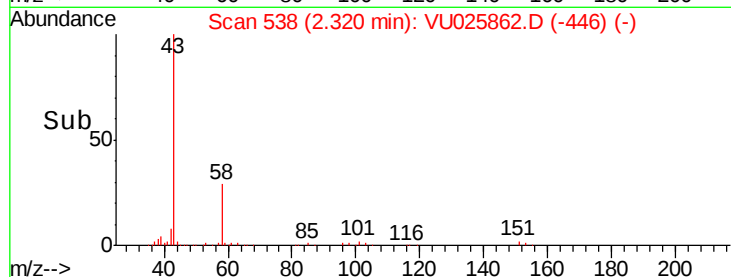
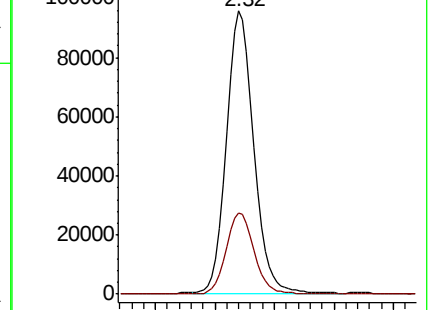
43 100

58 29.3 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: 44.133 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025862.D

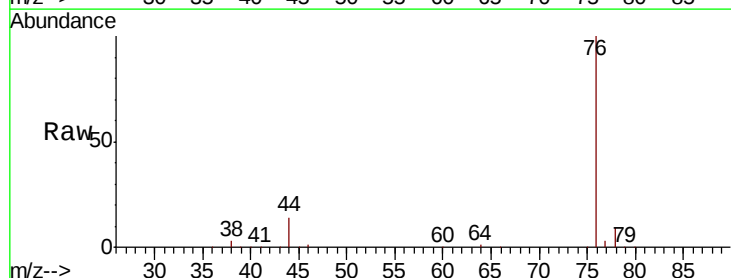
Acq: 04 Aug 2018 10:01

Tgt Ion: 76 Resp: 252288

Ion Ratio Lower Upper

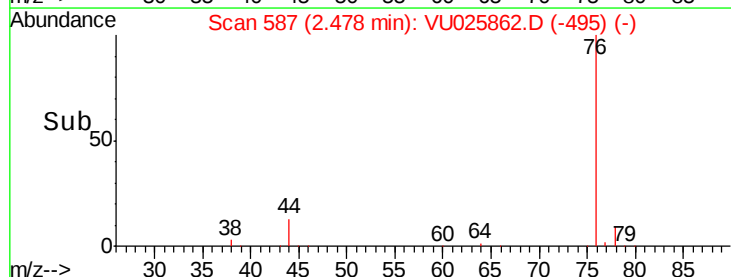
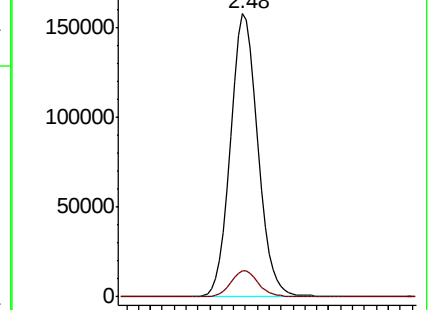
76 100

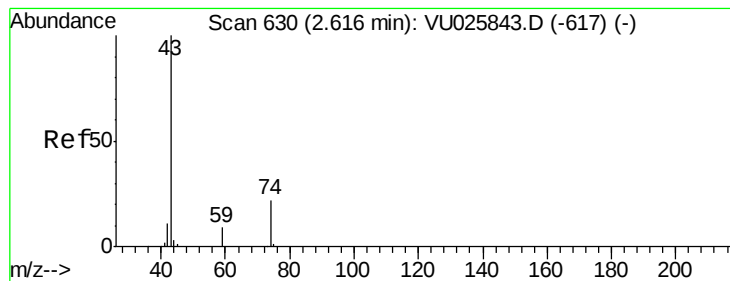
78 9.2 7.4 11.0



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: 49.325 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

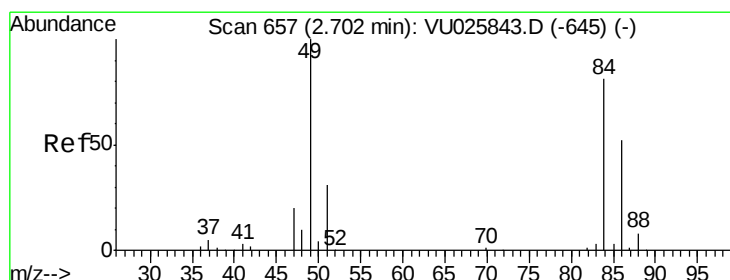
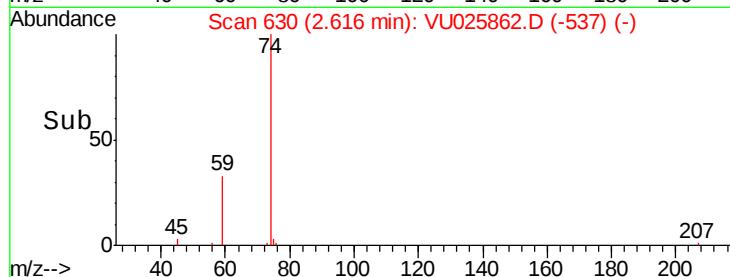
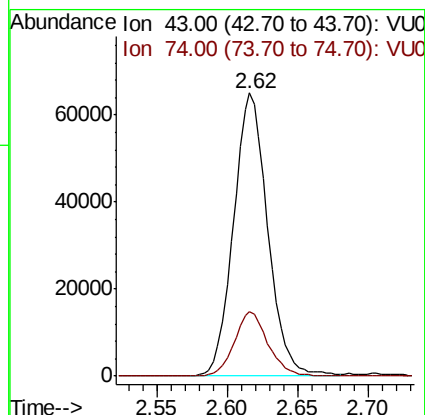
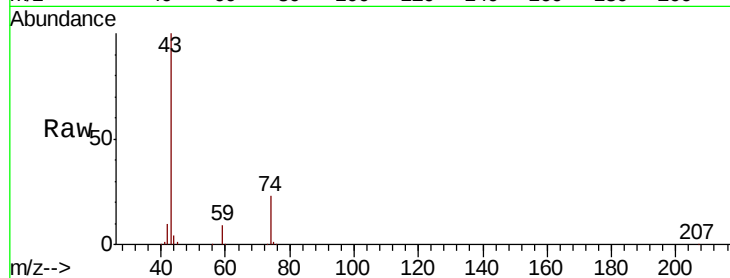
VSTD05053

Tgt Ion: 43 Resp: 109728

Ion Ratio Lower Upper

43 100

74 22.5 18.3 27.5



#16

Methylene chloride

Concen: 46.986 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

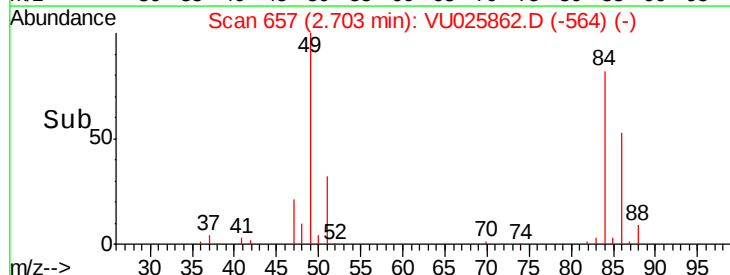
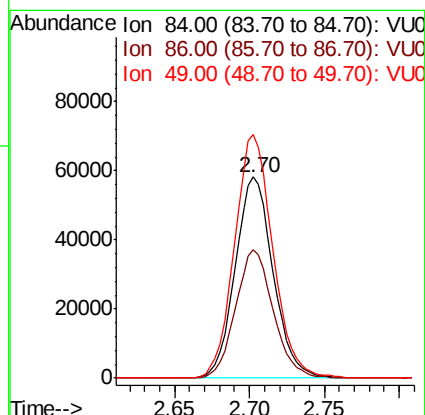
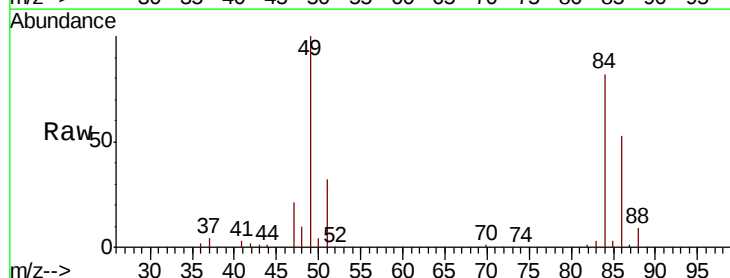
Tgt Ion: 84 Resp: 102754

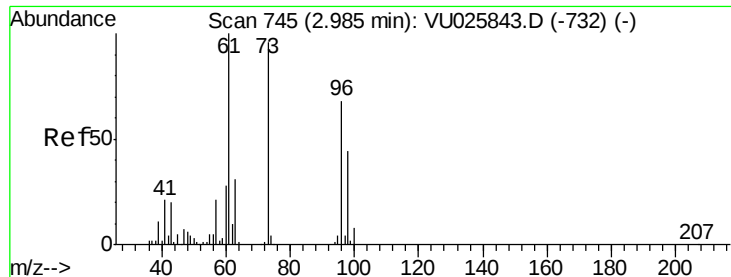
Ion Ratio Lower Upper

84 100

86 64.0 45.6 84.6

49 121.2 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 46.266 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

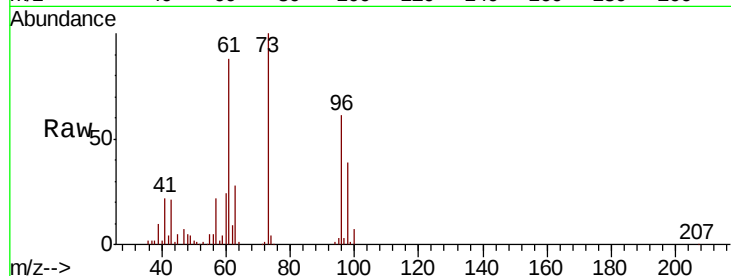
Tgt Ion: 96 Resp: 93517

Ion Ratio Lower Upper

96 100

61 143.8 100.0 185.8

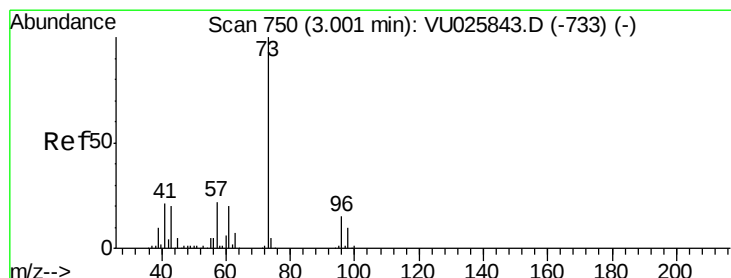
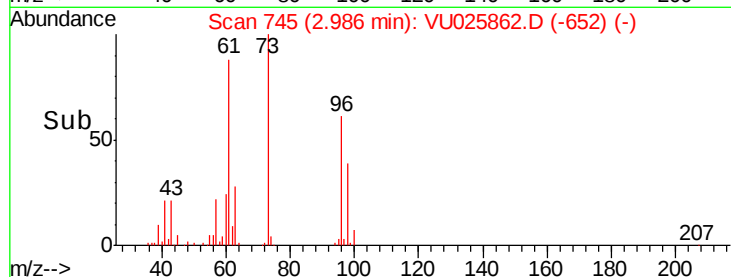
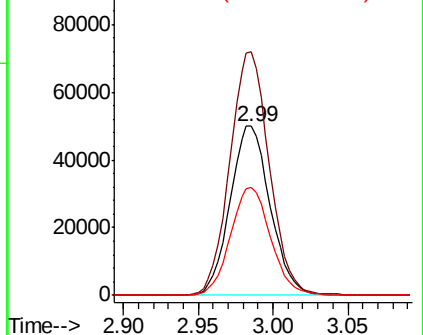
98 64.0 44.7 83.1



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: 46.983 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

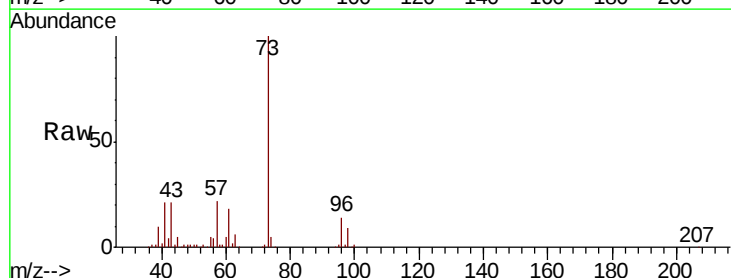
Tgt Ion: 73 Resp: 309287

Ion Ratio Lower Upper

73 100

43 20.9 16.2 24.2

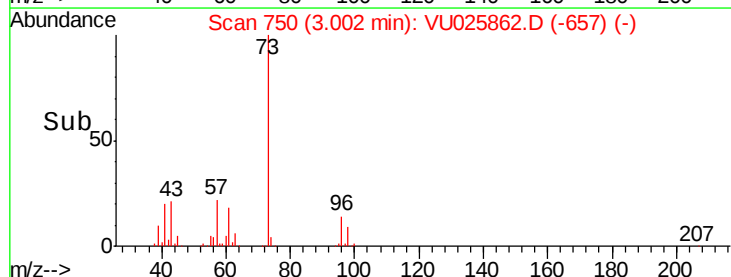
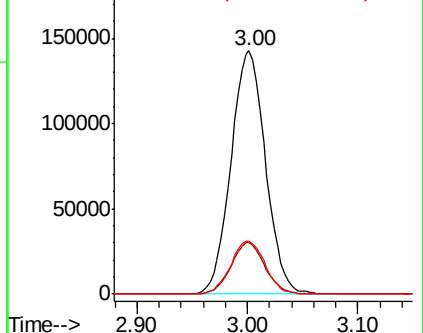
57 21.8 17.1 25.7

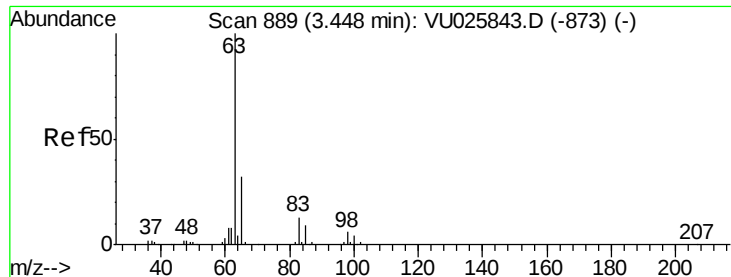


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 47.108 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

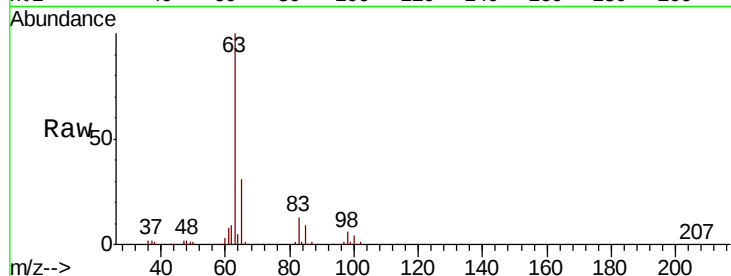
Tgt Ion: 63 Resp: 181129

Ion Ratio Lower Upper

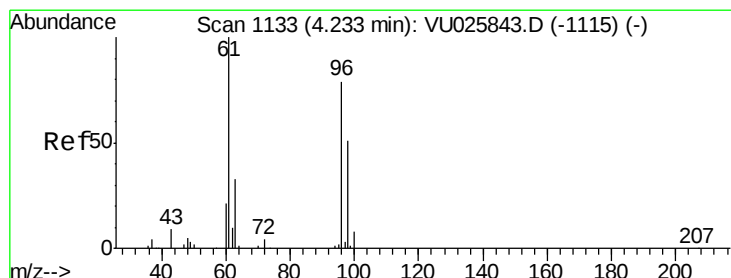
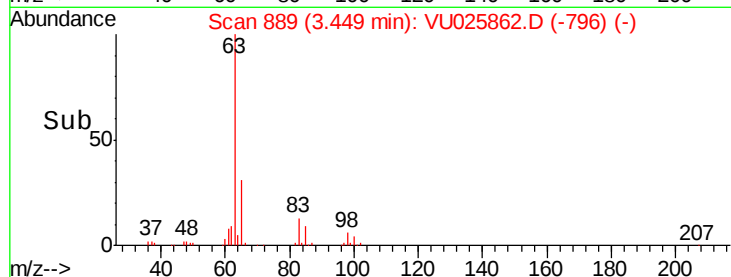
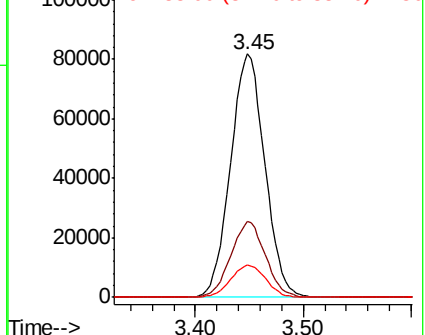
63 100

65 31.0 22.0 41.0

83 13.2 9.6 17.8



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: 47.203 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

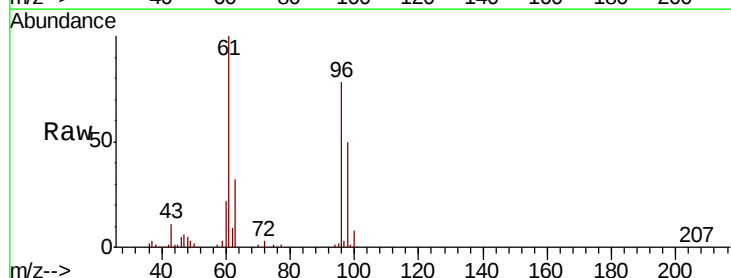
Tgt Ion: 96 Resp: 107698

Ion Ratio Lower Upper

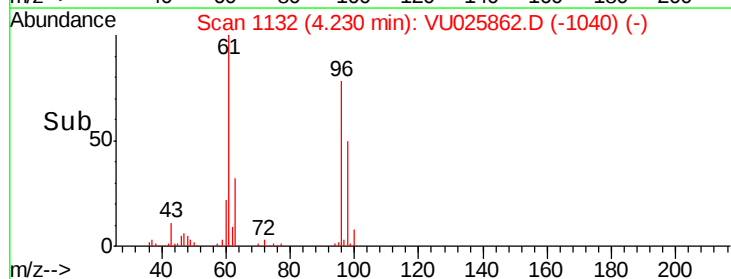
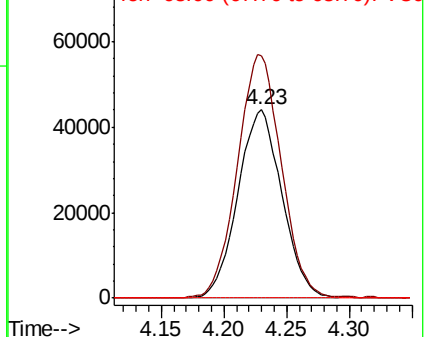
96 100

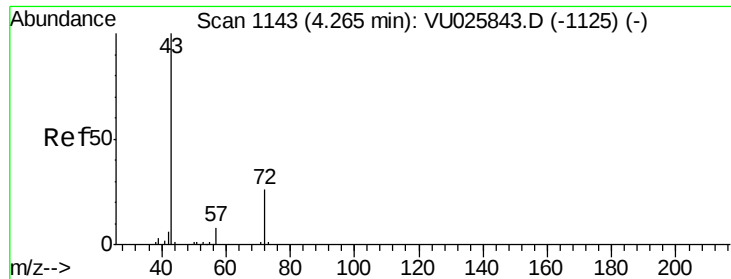
61 129.0 87.4 162.2

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: 95.111 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

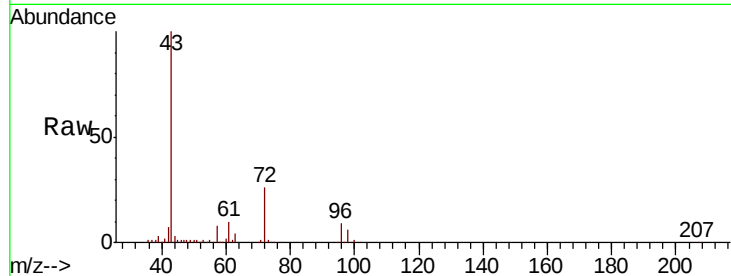
VSTD05053

Tgt Ion: 43 Resp: 170392

Ion Ratio Lower Upper

43 100

72 26.3 13.6 40.8

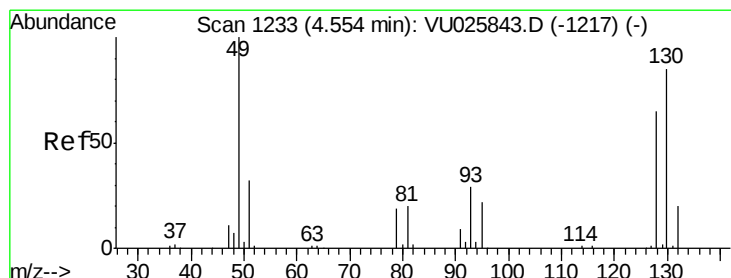
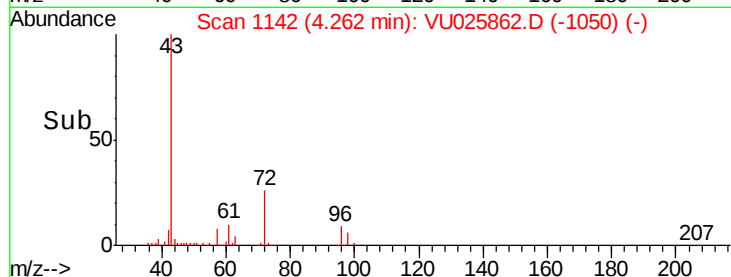


Abundance Ion 43.00 (42.70 to 43.70): VU025843.D (-1125) (-)

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

4.26

Time-->



#23

Bromochloromethane

Concen: 47.788 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Tgt Ion: 128 Resp: 57549

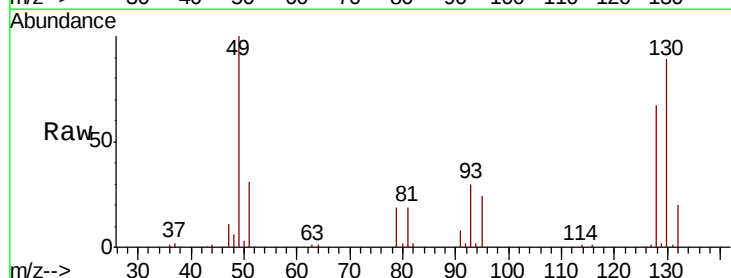
Ion Ratio Lower Upper

128 100

49 149.2 103.3 191.8

130 133.0 90.4 167.8

51 46.4 35.5 53.3



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

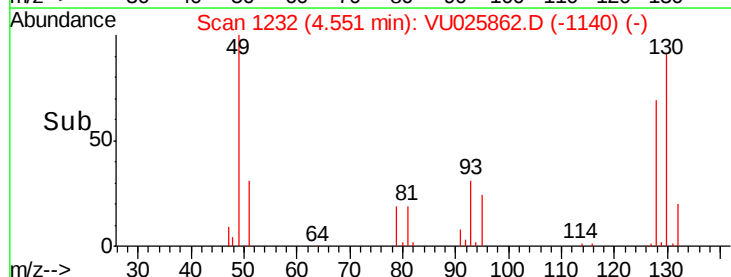
Ion 49.00 (48.70 to 49.70): VU025843.D (-1217) (-)

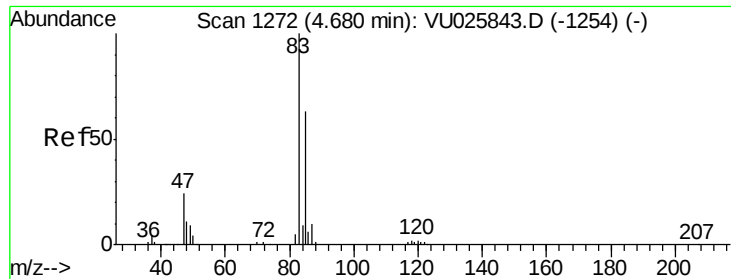
Ion 130.00 (129.70 to 130.70): VU025843.D (-1217) (-)

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

4.55

Time-->

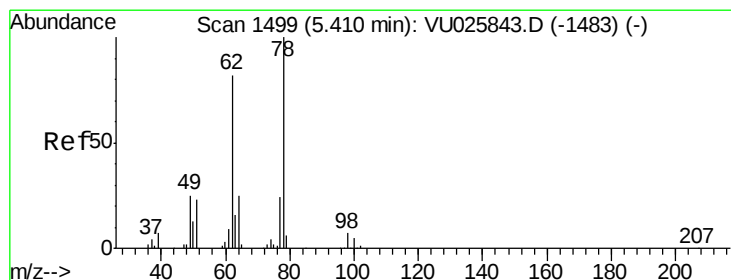
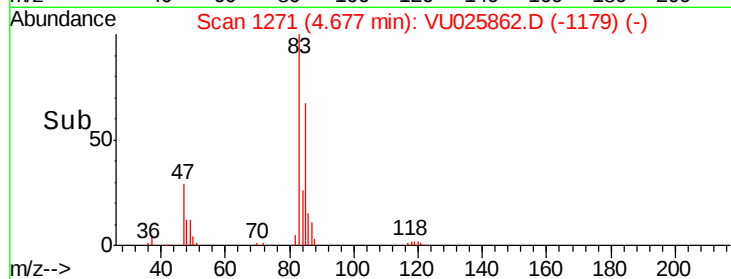
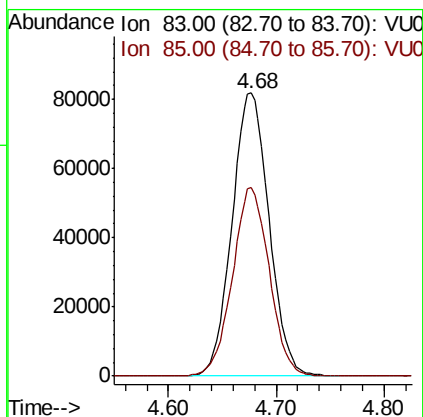
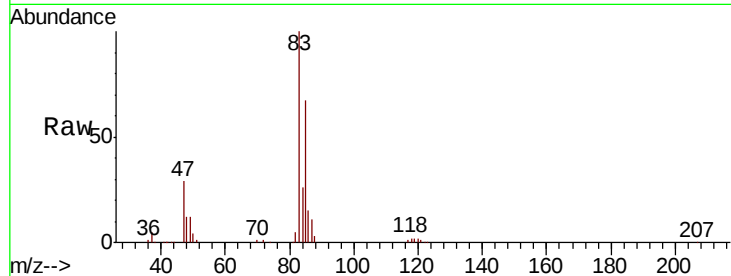




#25
Chloroform
Concen: 48.342 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025862.D
Acq: 04 Aug 2018 10:01

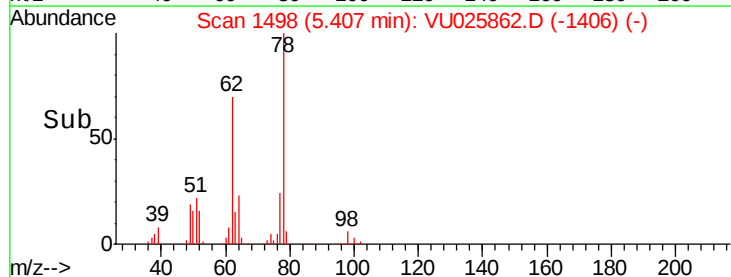
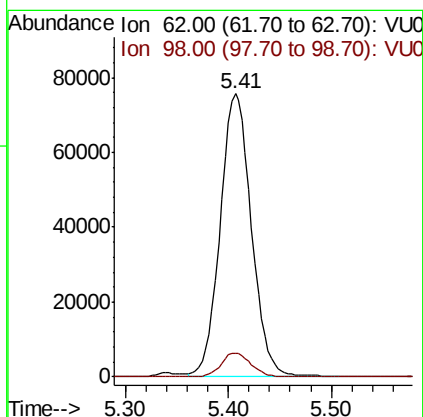
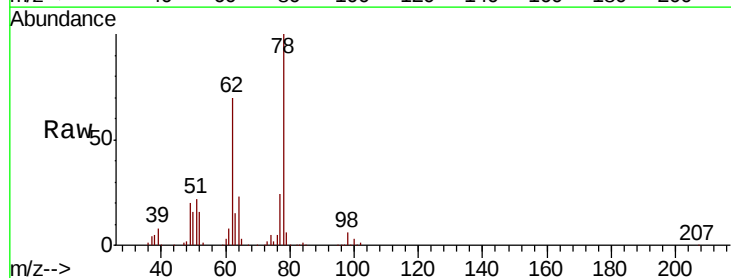
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

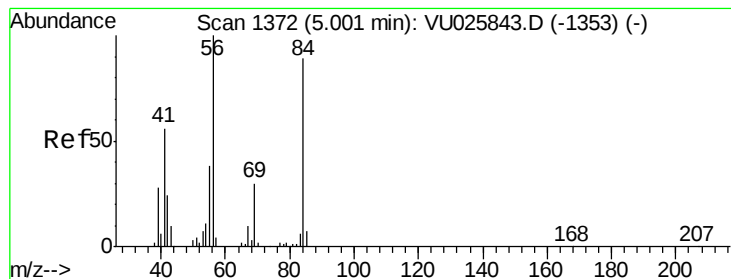
Tgt Ion: 83 Resp: 195589
Ion Ratio Lower Upper
83 100
85 66.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.456 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025862.D
Acq: 04 Aug 2018 10:01

Tgt Ion: 62 Resp: 159910
Ion Ratio Lower Upper
62 100
98 8.5 6.5 9.7





#29

Cyclohexane

Concen: 41.993 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

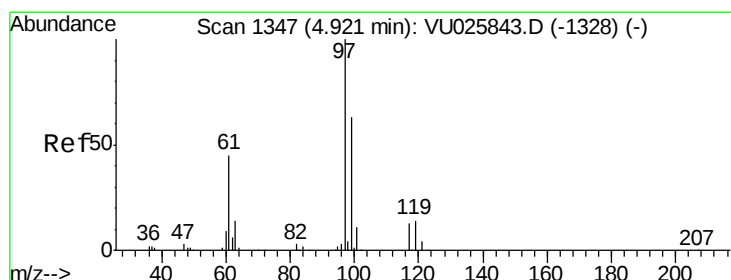
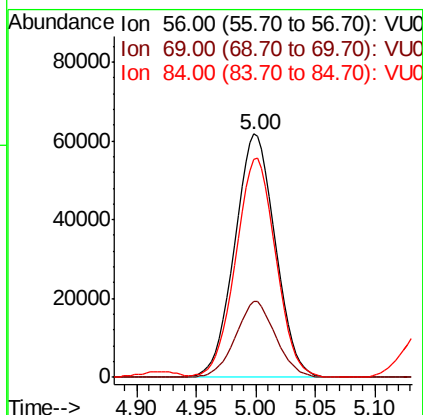
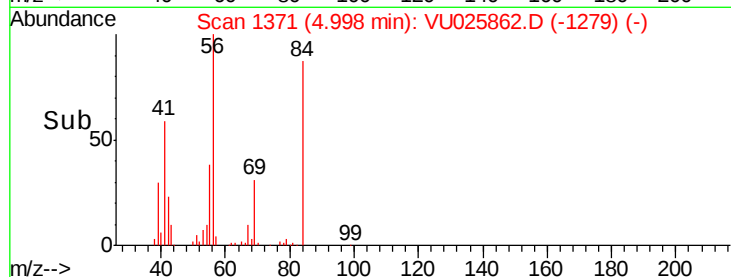
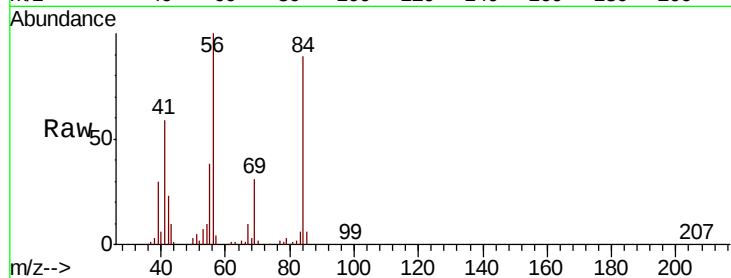
Tgt Ion: 56 Resp: 146180

Ion Ratio Lower Upper

56 100

69 30.6 24.8 37.2

84 88.9 70.6 106.0



#30

1,1,1-Trichloroethane

Concen: 45.787 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

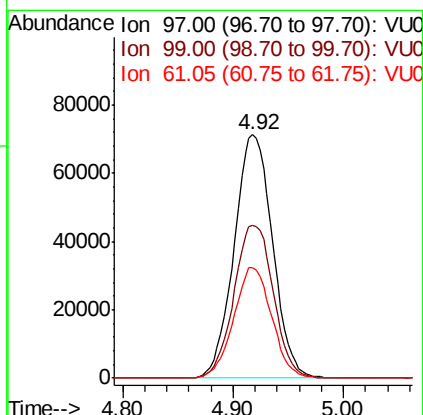
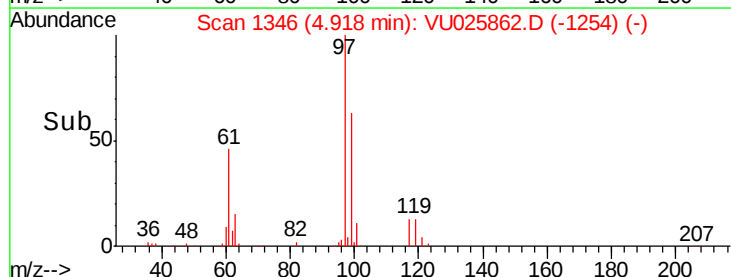
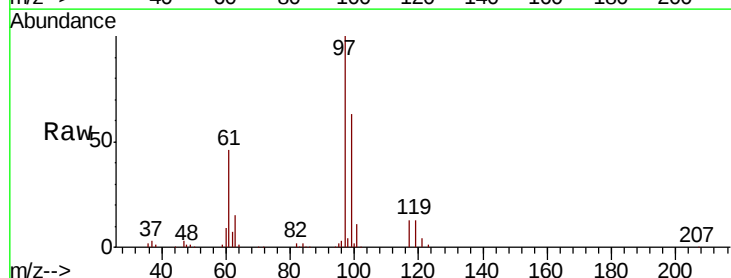
Tgt Ion: 97 Resp: 172149

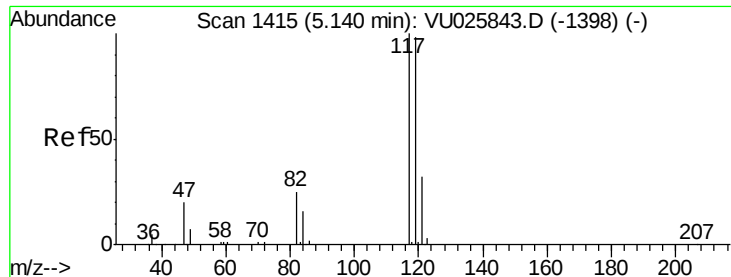
Ion Ratio Lower Upper

97 100

99 64.5 52.4 78.6

61 44.9 34.6 52.0





#31

Carbon tetrachloride

Concen: 44.873 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

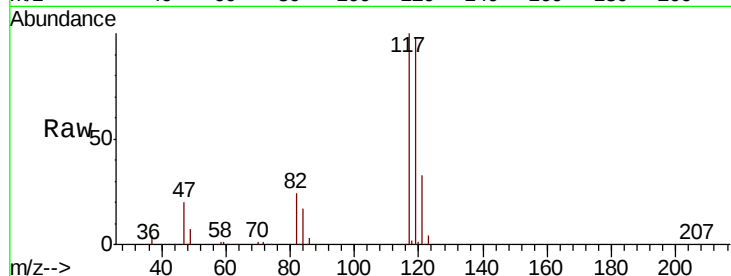
VSTD05053

Tgt Ion:117 Resp: 156005

Ion Ratio Lower Upper

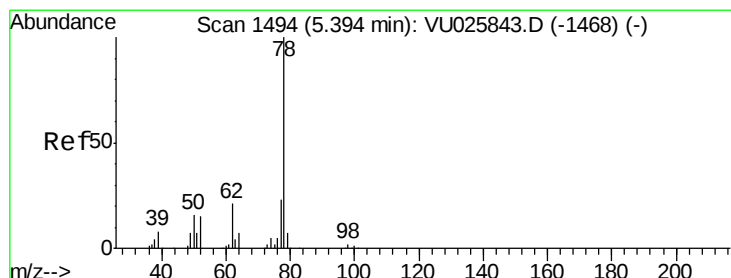
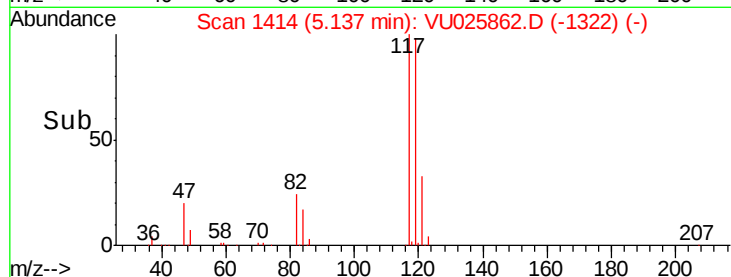
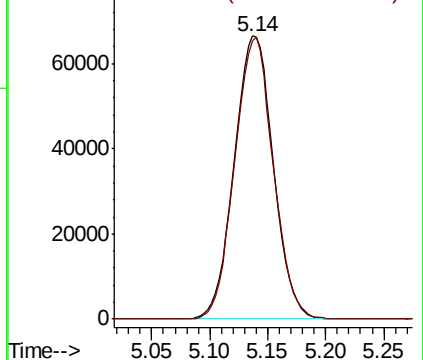
117 100

119 97.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.664 ug/L

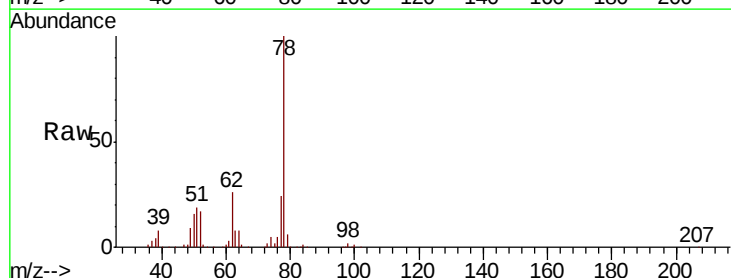
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

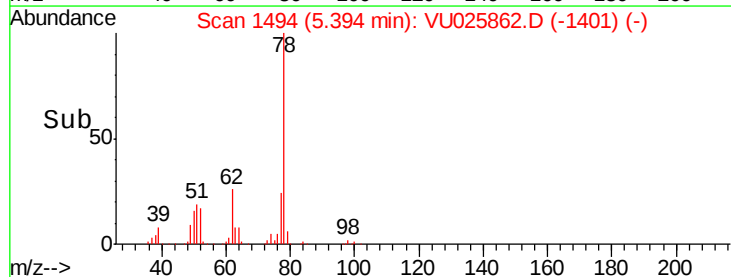
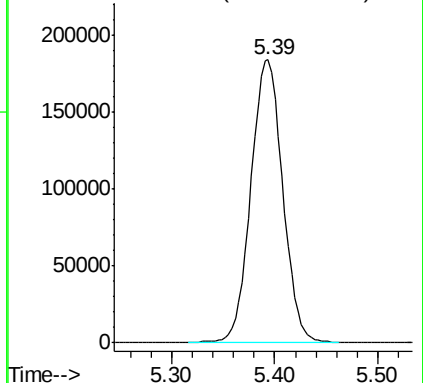
Lab File: VU025862.D

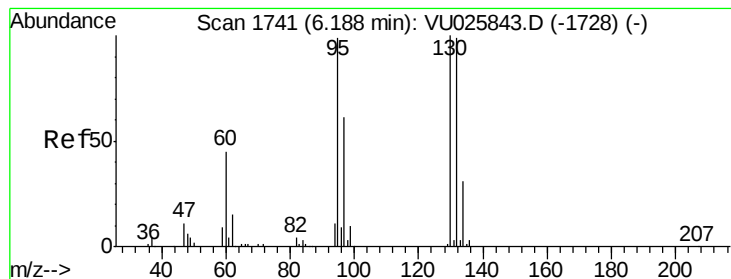
Acq: 04 Aug 2018 10:01

Tgt Ion: 78 Resp: 394229



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 46.060 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 105508

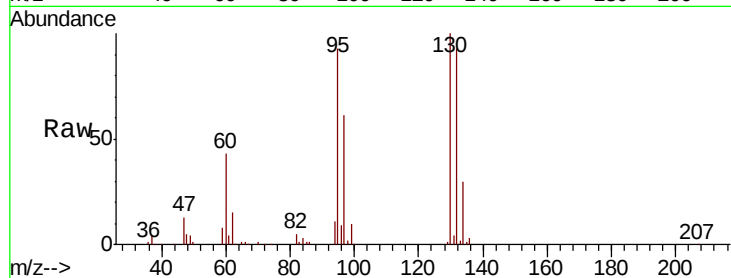
Ion Ratio Lower Upper

95 100

97 66.0 45.9 85.3

132 100.1 72.2 134.2

130 108.0 74.9 139.1

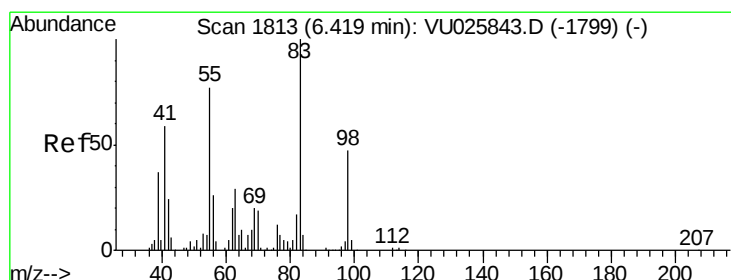
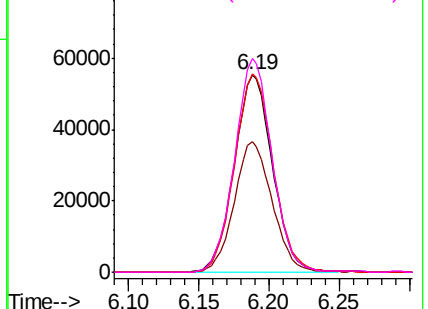
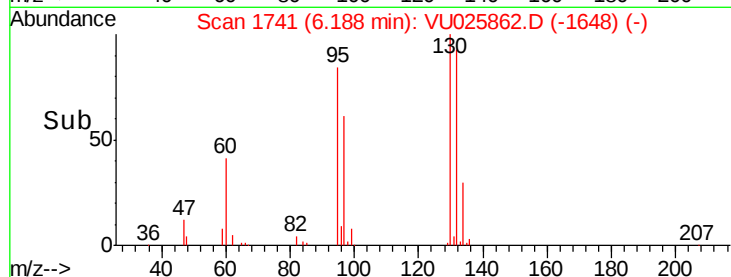


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 43.109 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

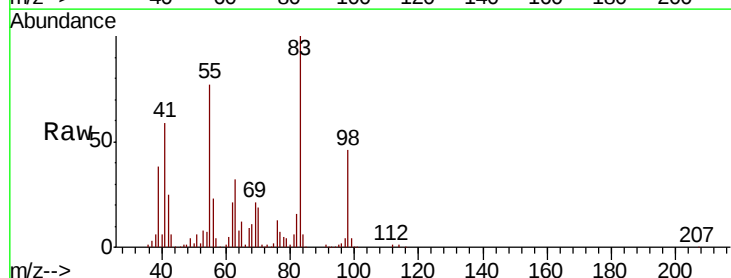
Tgt Ion: 83 Resp: 159223

Ion Ratio Lower Upper

83 100

55 77.7 61.1 91.7

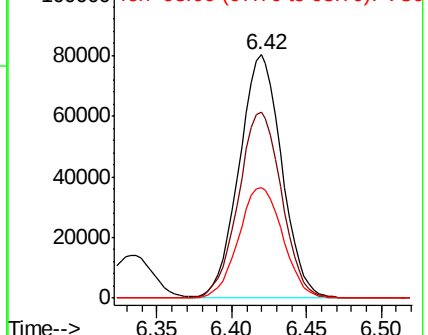
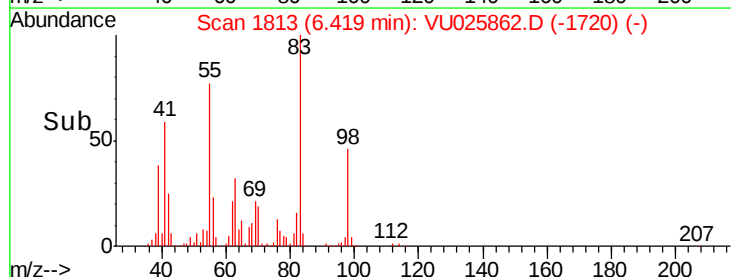
98 47.1 38.6 57.8

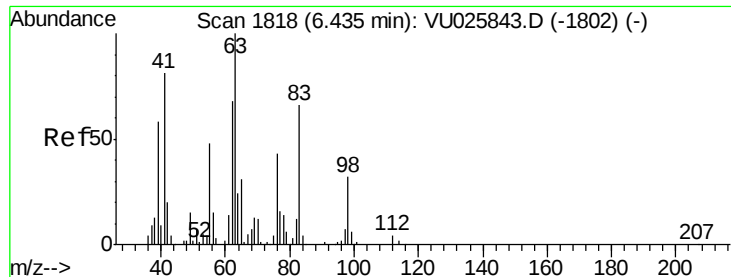


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 46.444 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

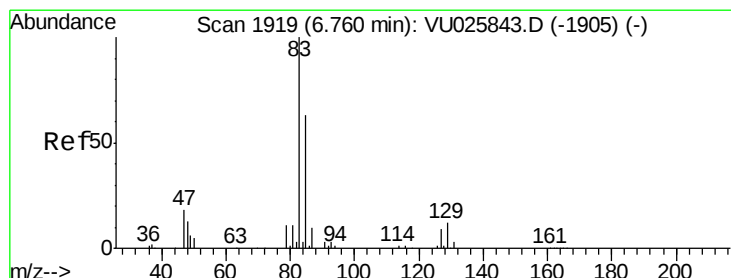
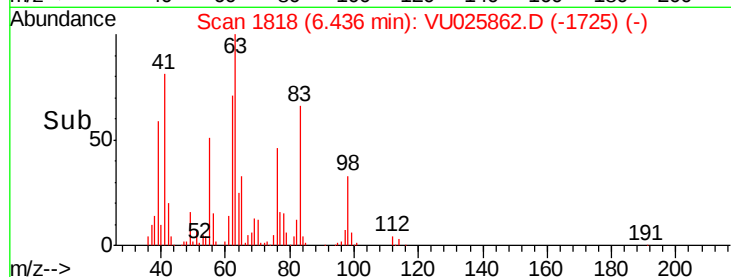
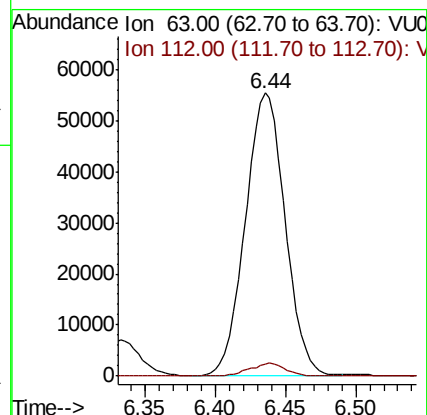
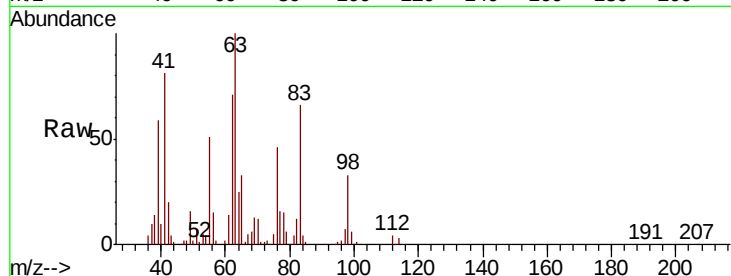
VSTD05053

Tgt Ion: 63 Resp: 109569

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 47.865 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

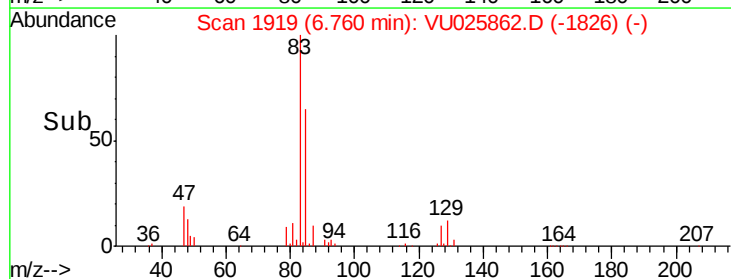
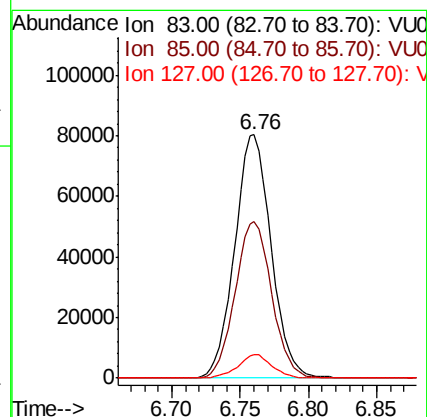
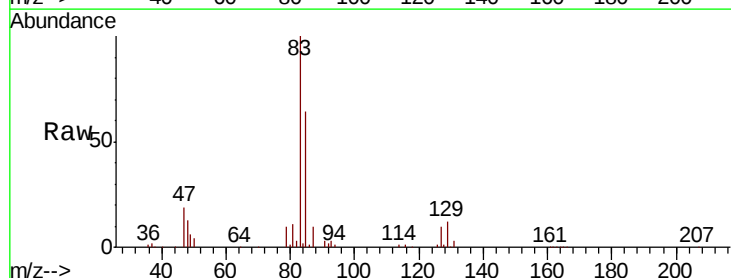
Tgt Ion: 83 Resp: 148884

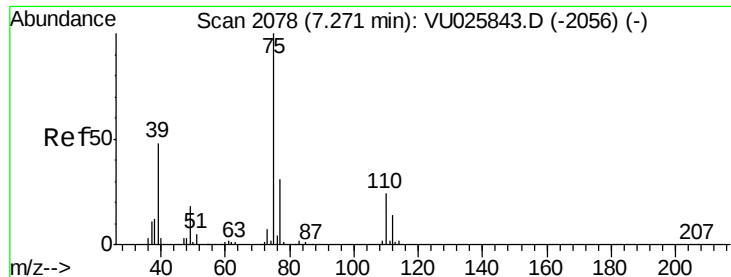
Ion Ratio Lower Upper

83 100

85 64.5 46.7 86.7

127 9.7 8.0 12.0

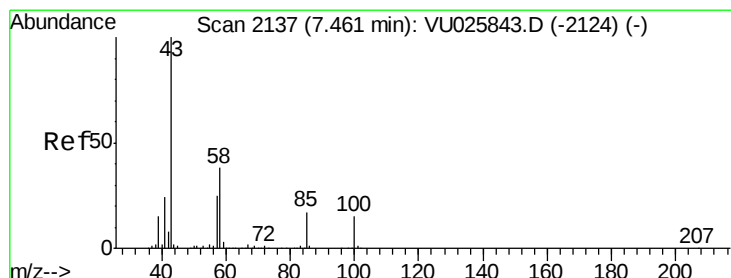
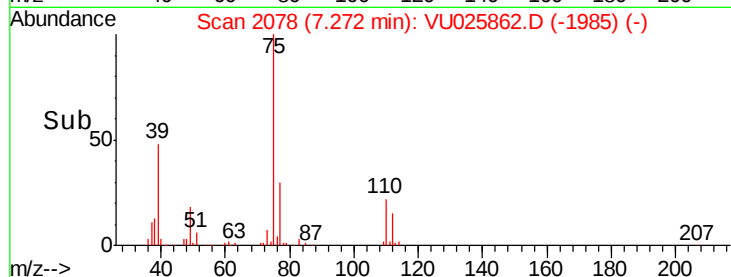
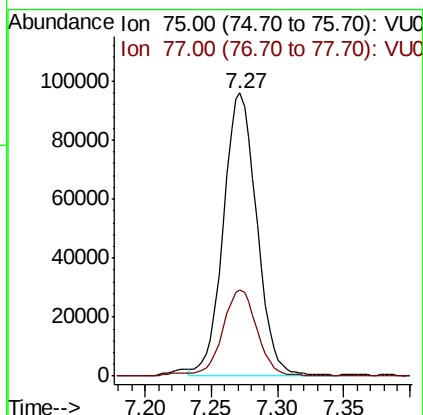
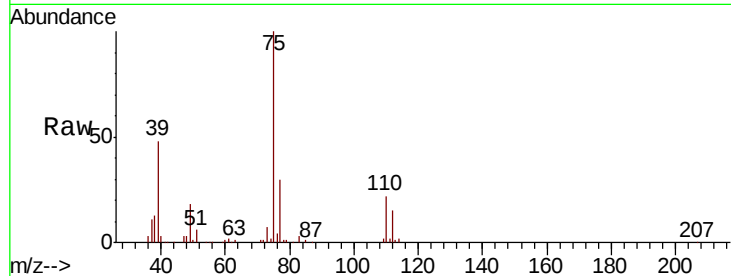




#39
 cis-1,3-Dichloropropene
 Concen: 45.655 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025862.D
 Acq: 04 Aug 2018 10:01

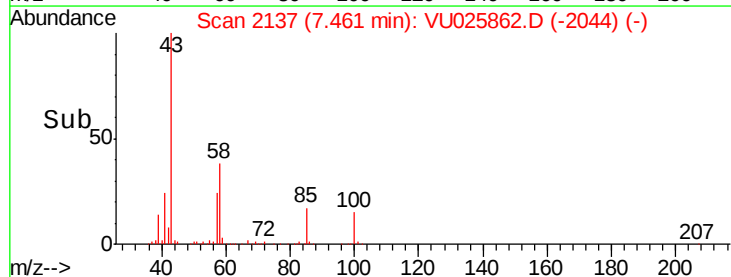
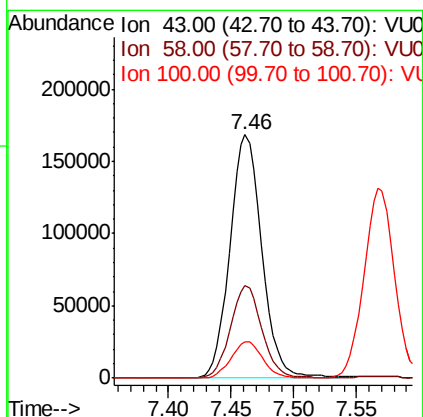
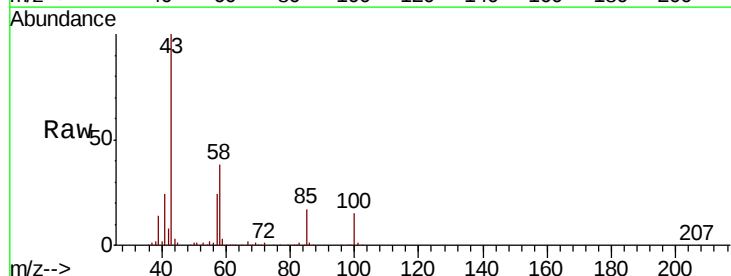
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

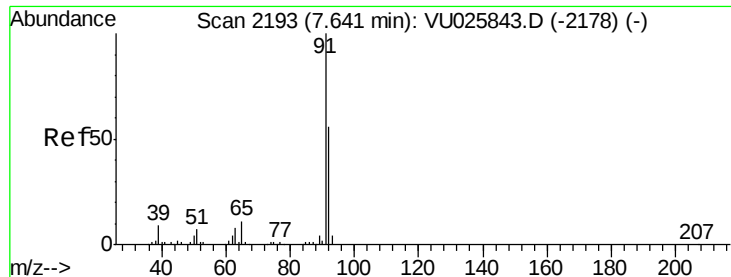
Tgt Ion: 75 Resp: 167151
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 95.995 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025862.D
 Acq: 04 Aug 2018 10:01

Tgt Ion: 43 Resp: 297404
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.8 46.2
 100 14.9 12.1 18.1





#42

Toluene

Concen: 46.431 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

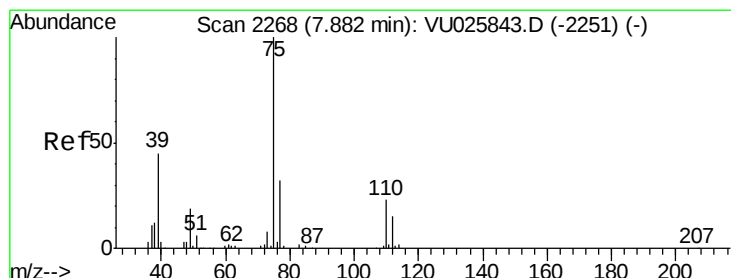
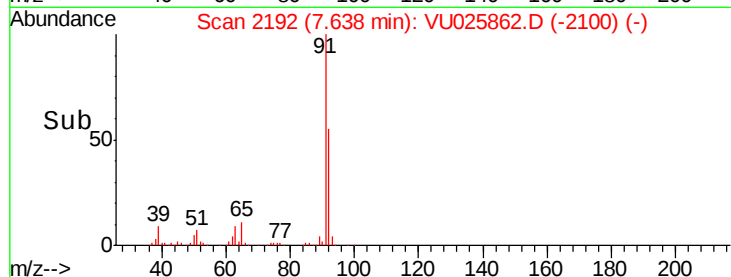
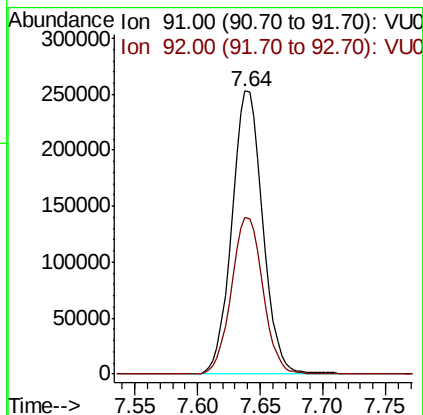
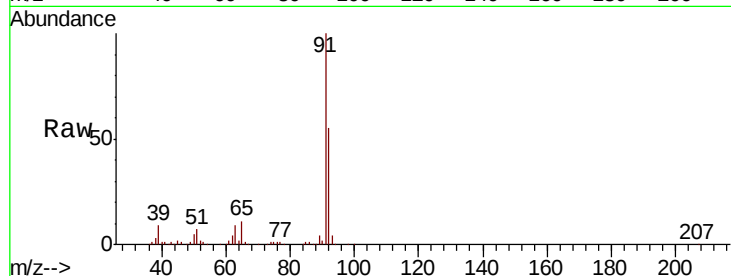
VSTD05053

Tgt Ion: 91 Resp: 432288

Ion Ratio Lower Upper

91 100

92 55.4 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 47.712 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025862.D

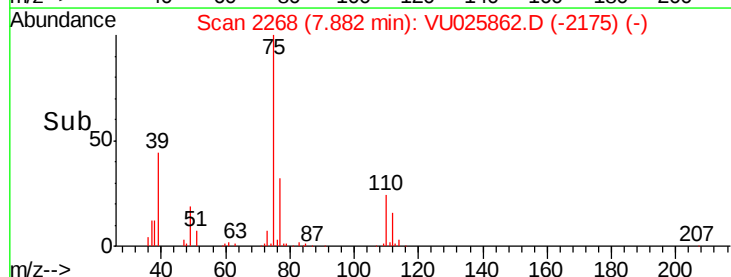
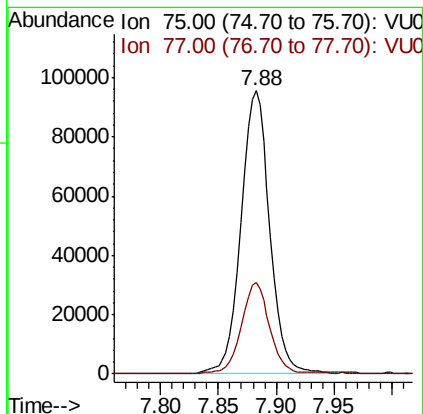
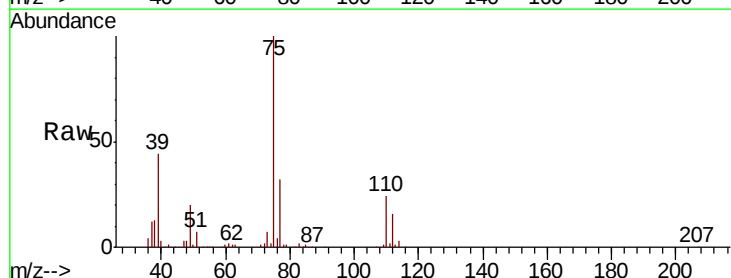
Acq: 04 Aug 2018 10:01

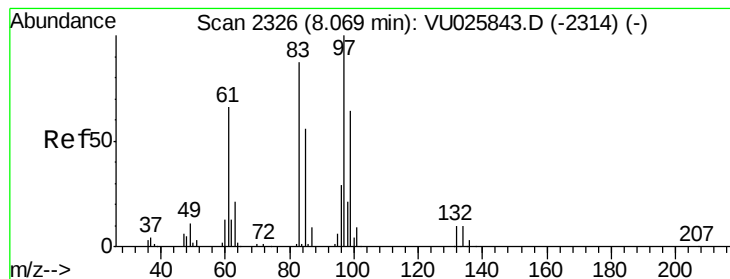
Tgt Ion: 75 Resp: 164702

Ion Ratio Lower Upper

75 100

77 32.2 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 46.032 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 97 Resp: 104167

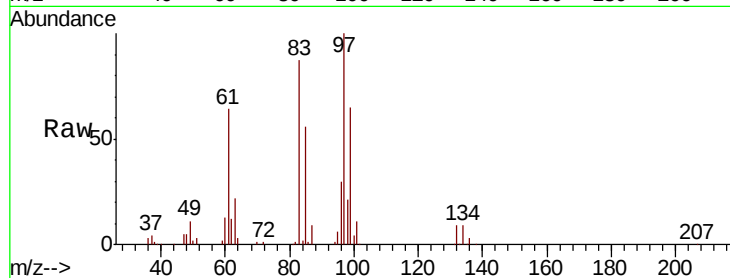
Ion Ratio Lower Upper

97 100

99 64.6 44.3 82.3

83 86.8 59.8 111.1

85 55.9 37.9 70.5

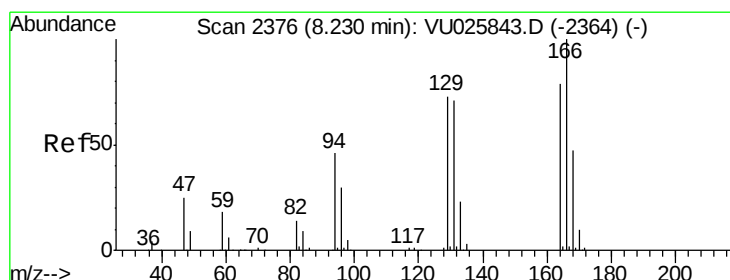
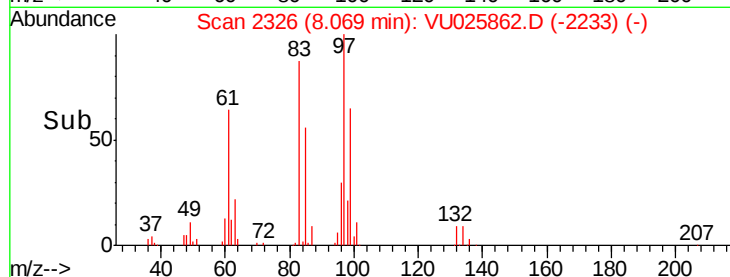
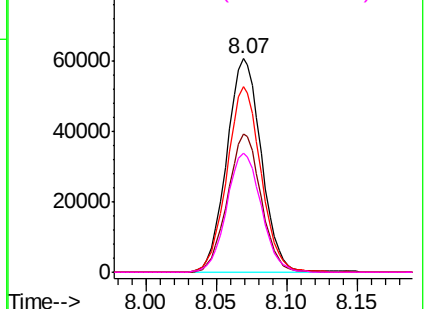


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 46.149 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Tgt Ion: 164 Resp: 91645

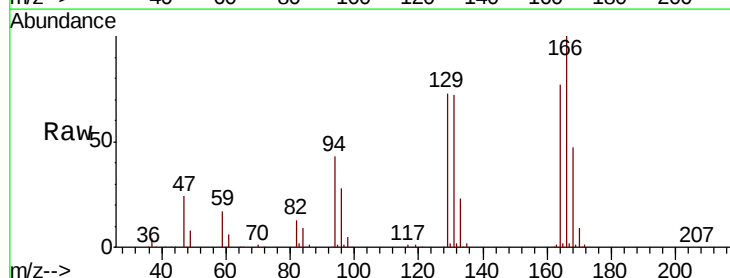
Ion Ratio Lower Upper

164 100

129 94.7 65.1 120.9

131 94.0 62.8 116.6

166 130.0 89.7 166.7

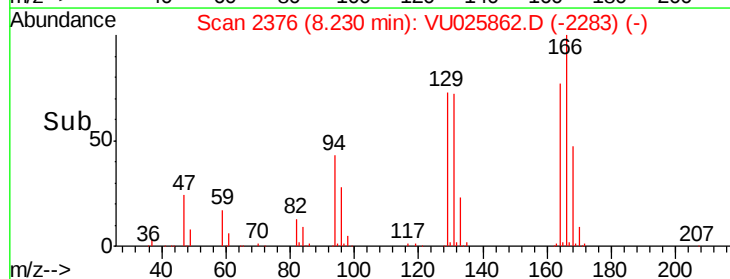
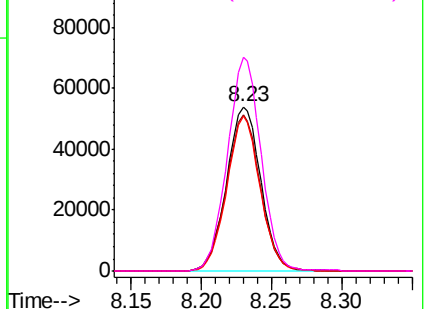


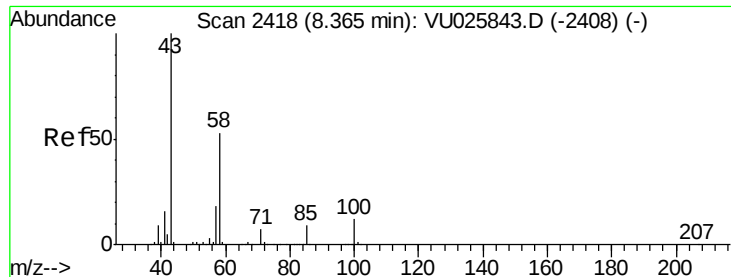
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

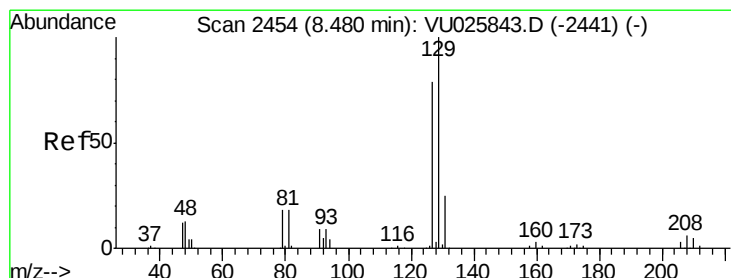
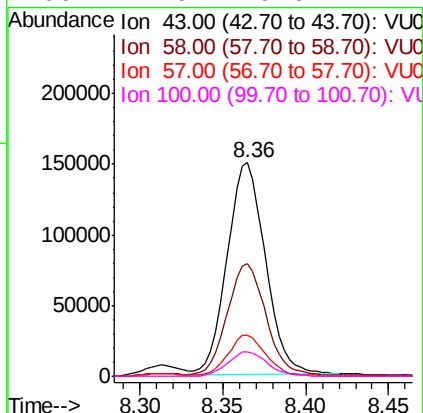
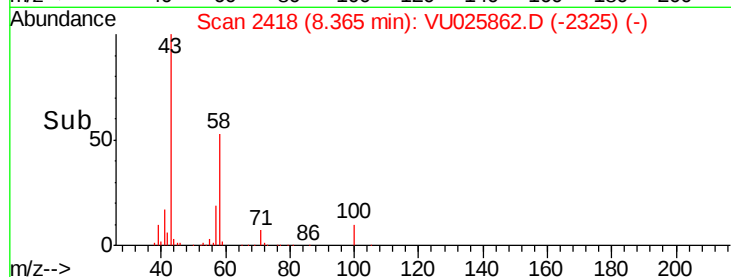
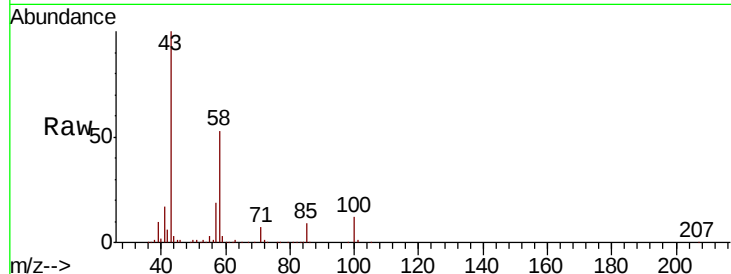




#48
2-Hexanone
Concen: 92.460 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025862.D
Acq: 04 Aug 2018 10:01

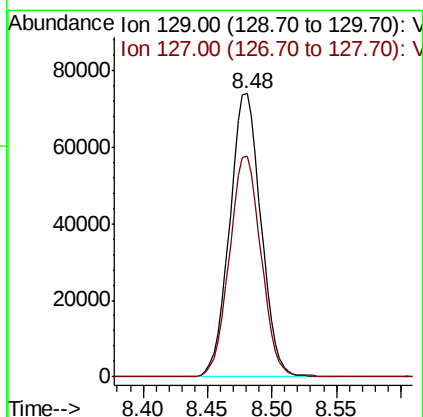
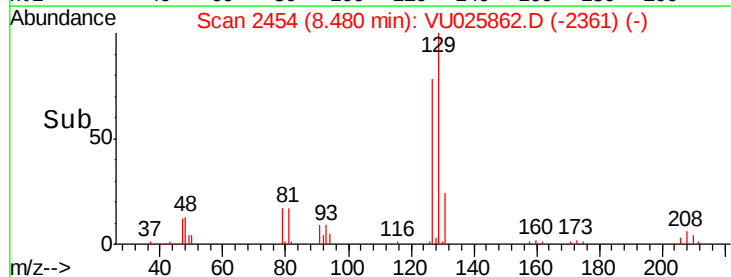
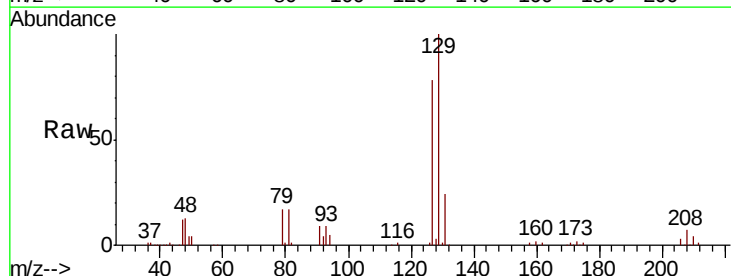
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

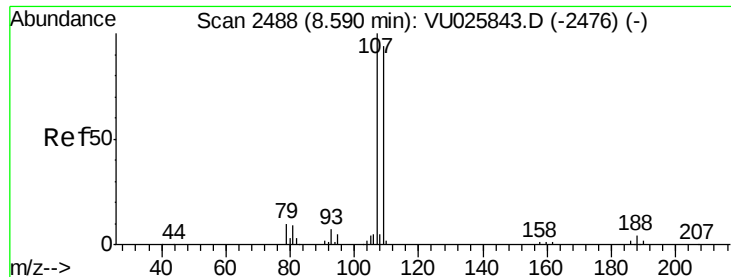
Tgt Ion:	43	Resp:	242049
Ion	Ratio	Lower	Upper
43	100		
58	53.9	42.9	64.3
57	19.1	15.4	23.2
100	11.9	9.6	14.4



#49
Dibromochloromethane
Concen: 47.028 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025862.D
Acq: 04 Aug 2018 10:01

Tgt Ion:	129	Resp:	124837
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.8	100.0

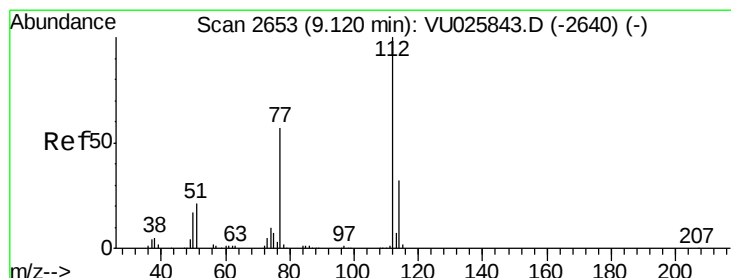
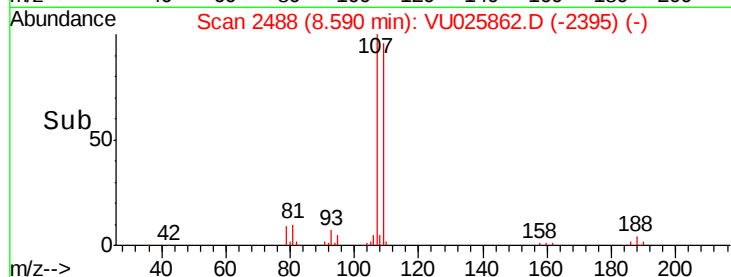
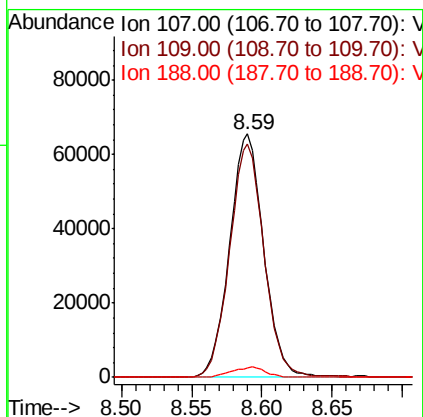
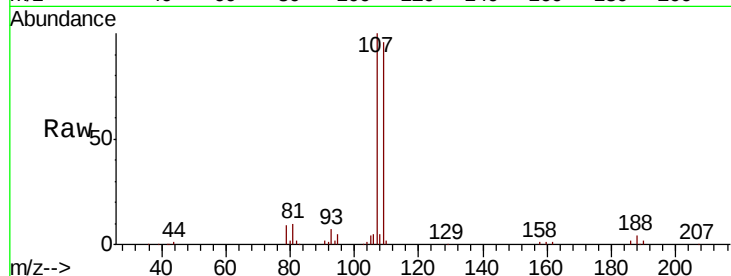




#50
 1,2-Dibromoethane
 Concen: 45.469 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025862.D
 Acq: 04 Aug 2018 10:01

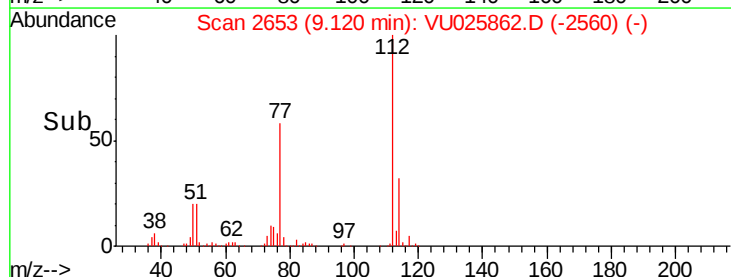
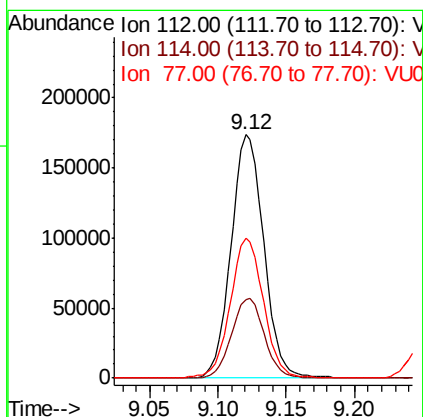
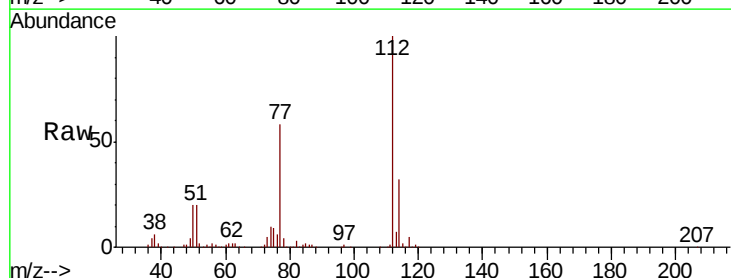
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

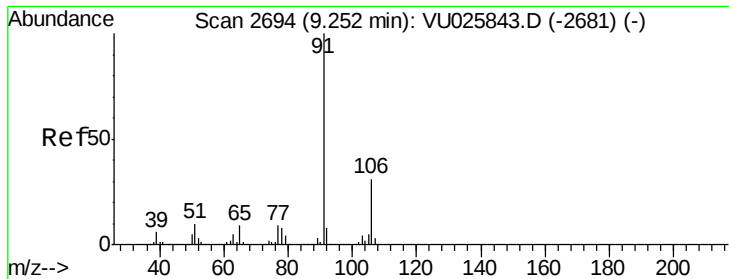
Tgt Ion:107 Resp: 110851
 Ion Ratio Lower Upper
 107 100
 109 95.9 66.6 123.8
 188 4.0 3.2 4.8



#51
 Chlorobenzene
 Concen: 46.249 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU025862.D
 Acq: 04 Aug 2018 10:01

Tgt Ion:112 Resp: 289887
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.5 41.9
 77 57.6 45.8 68.8





#52

Ethylbenzene

Concen: 46.904 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

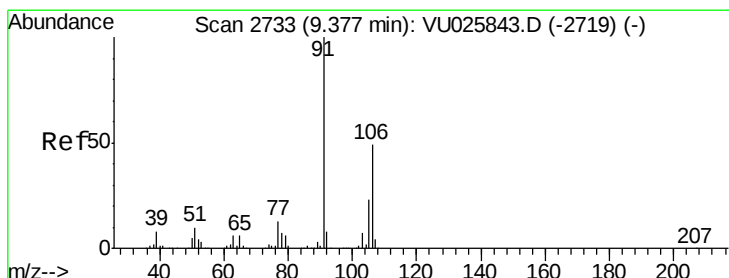
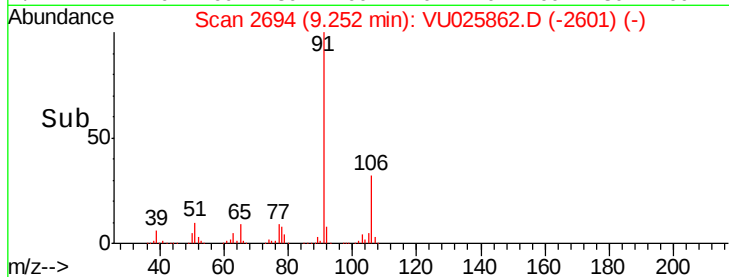
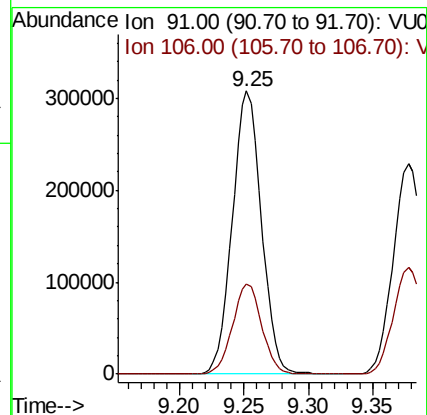
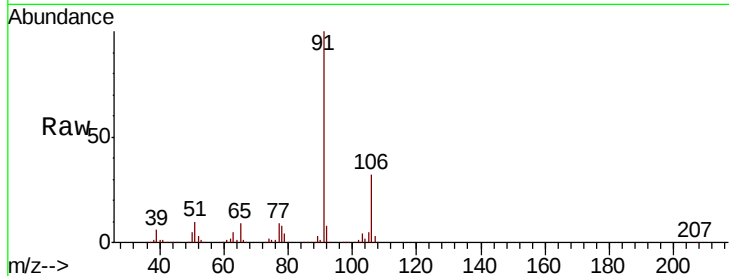
VSTD05053

Tgt Ion: 91 Resp: 481980

Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.5



#53

m,p-Xylene

Concen: 48.029 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025862.D

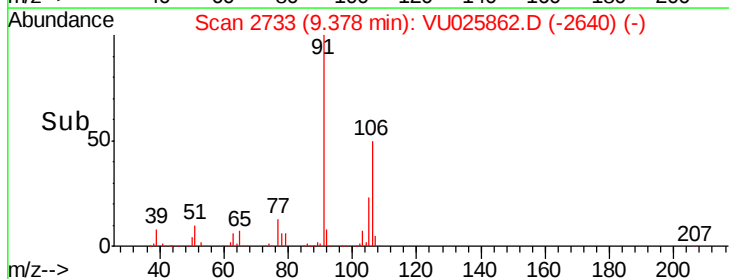
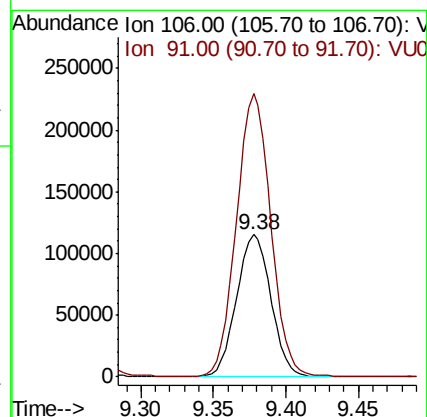
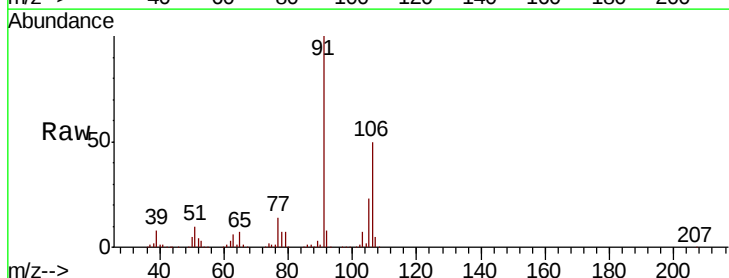
Acq: 04 Aug 2018 10:01

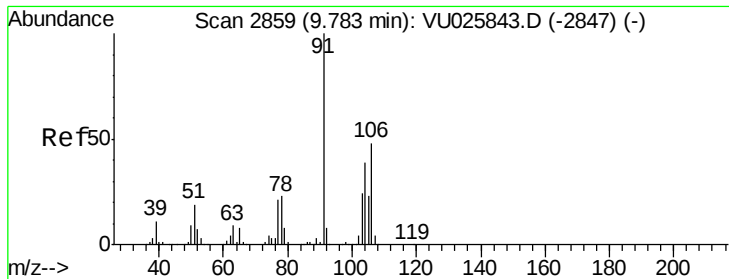
Tgt Ion: 106 Resp: 189045

Ion Ratio Lower Upper

106 100

91 198.6 141.7 263.3





#54

o-xylene

Concen: 46.306 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

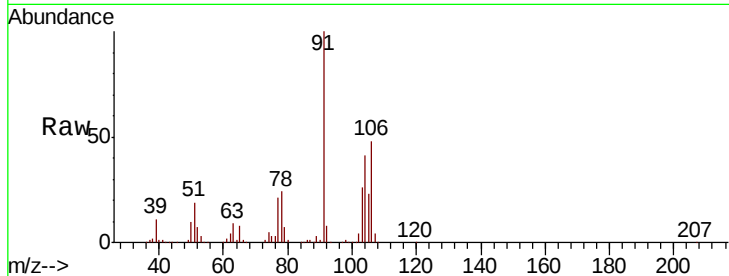
VSTD05053

Tgt Ion:106 Resp: 184941

Ion Ratio Lower Upper

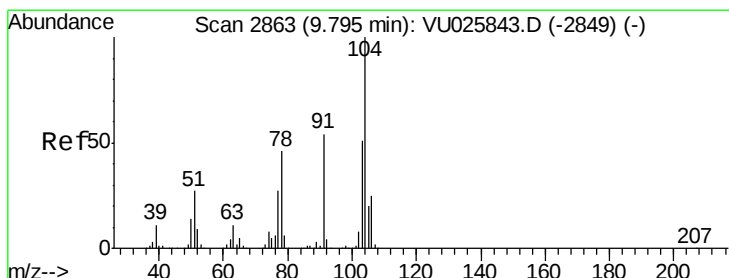
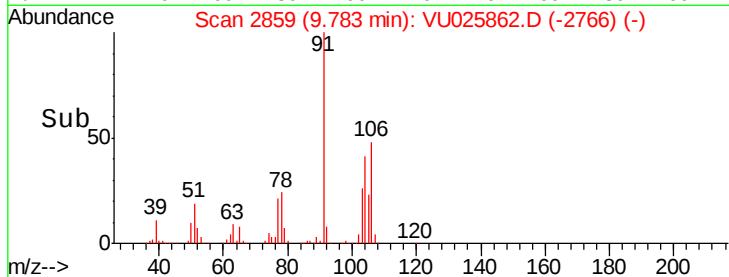
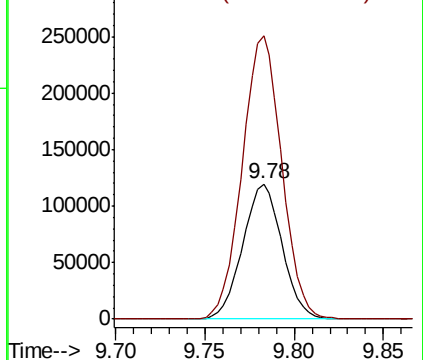
106 100

91 209.6 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.688 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025862.D

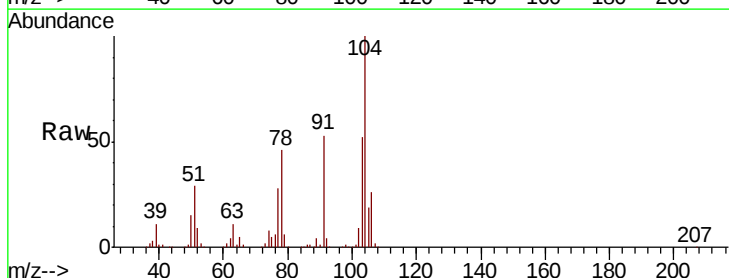
Acq: 04 Aug 2018 10:01

Tgt Ion:104 Resp: 316709

Ion Ratio Lower Upper

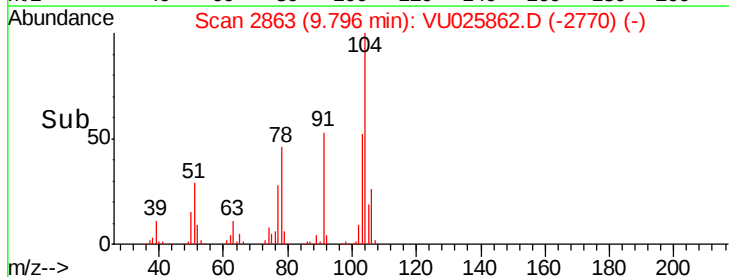
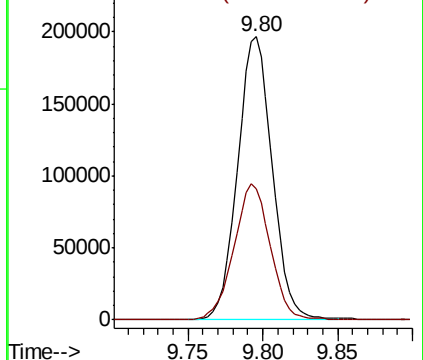
104 100

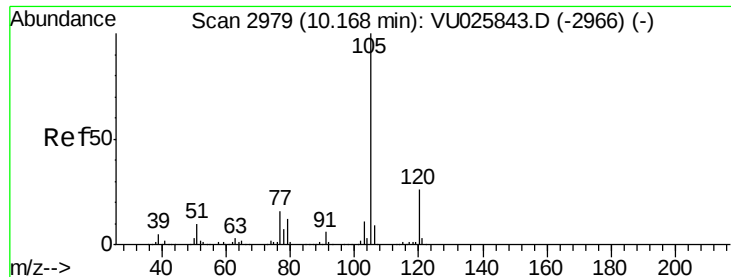
78 46.3 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 47.298 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

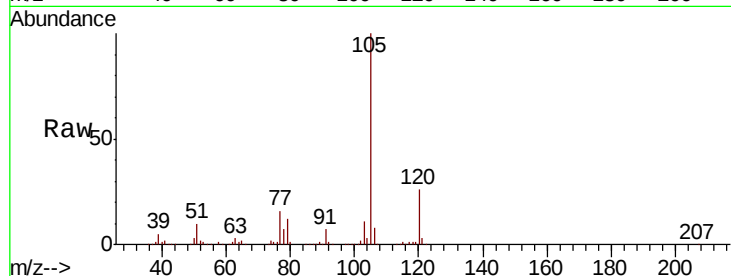
Tgt Ion: 105 Resp: 487506

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

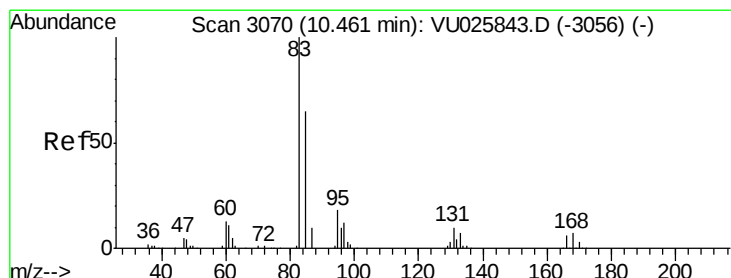
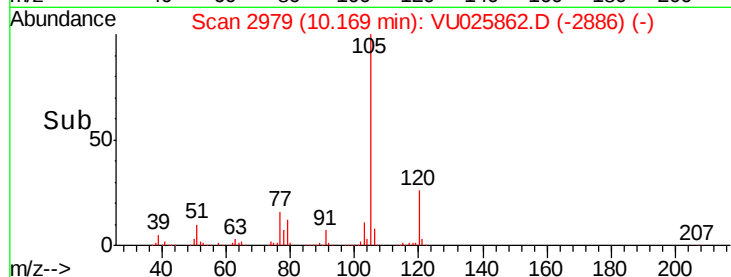
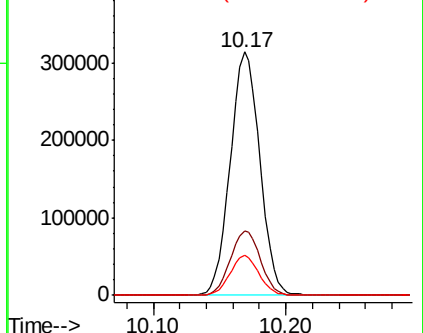
77 16.0 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.612 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

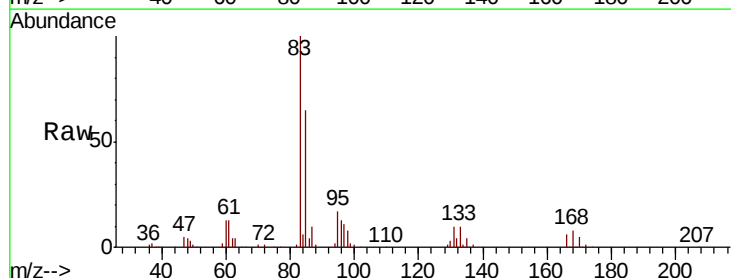
Tgt Ion: 83 Resp: 170139

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7

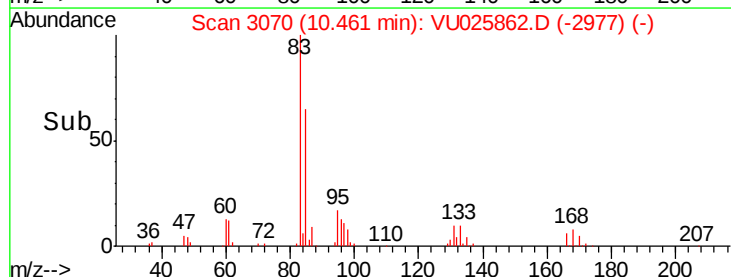
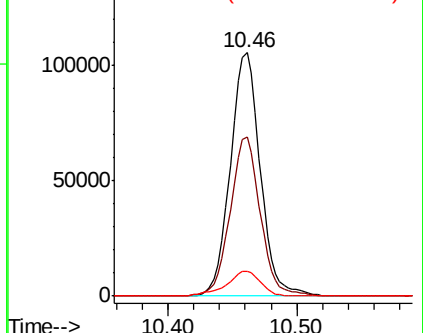
131 10.4 8.7 13.1

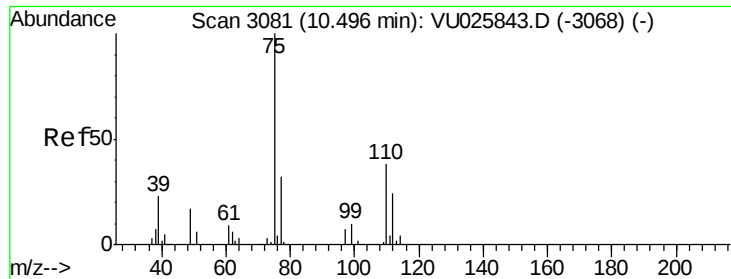


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

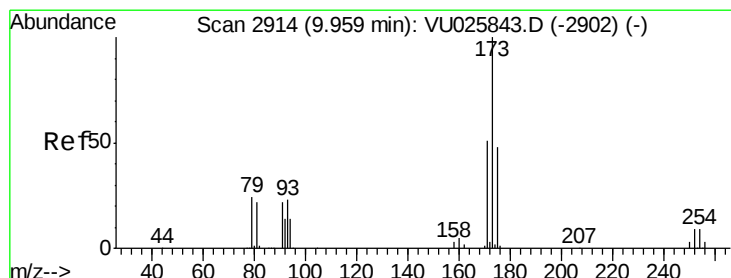
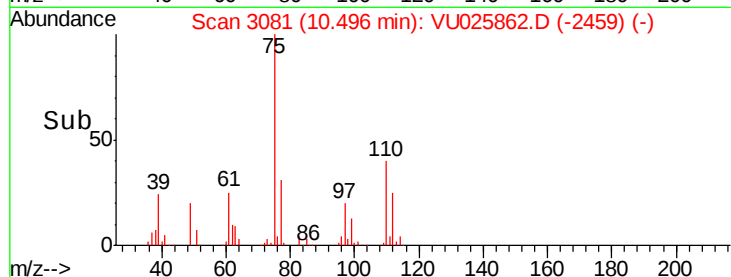
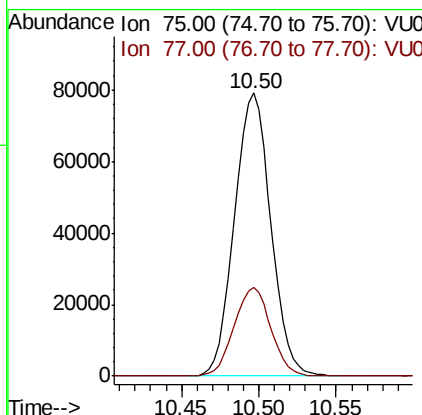
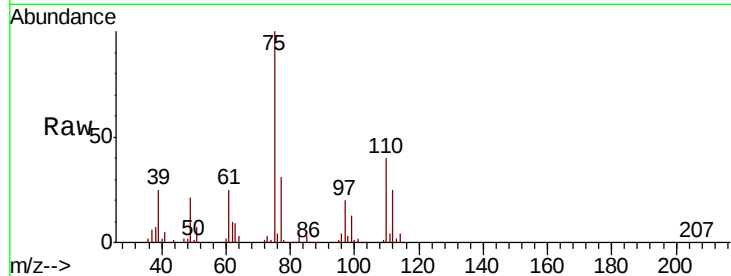




#59
 1,2,3-Trichloropropane
 Concen: 46.564 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025862.D
 Acq: 04 Aug 2018 10:01

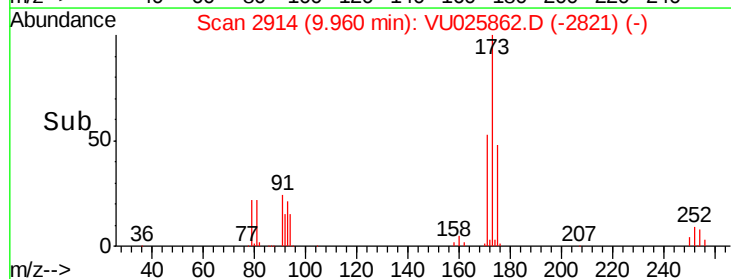
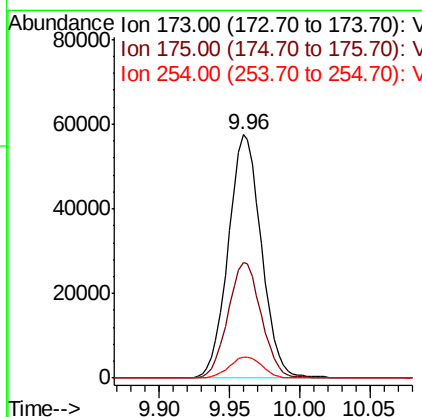
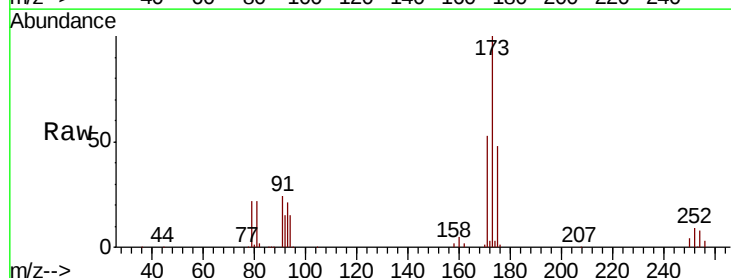
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

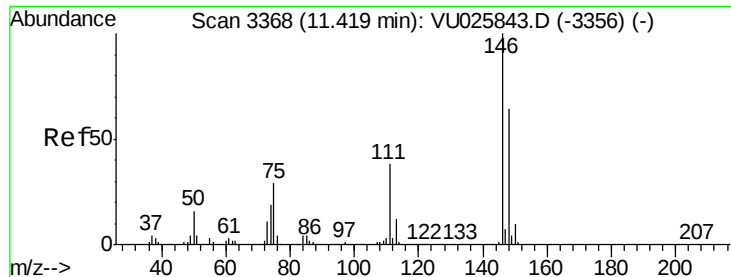
Tgt Ion: 75 Resp: 129029
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#61
 Bromoform
 Concen: 45.081 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU025862.D
 Acq: 04 Aug 2018 10:01

Tgt Ion: 173 Resp: 94448
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.8 59.8
 254 8.8 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 46.158 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

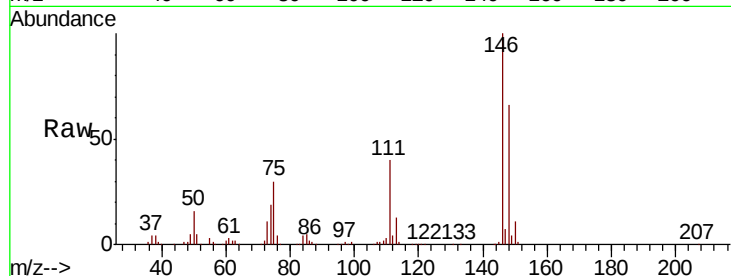
Tgt Ion:146 Resp: 236486

Ion Ratio Lower Upper

146 100

111 40.0 27.7 51.5

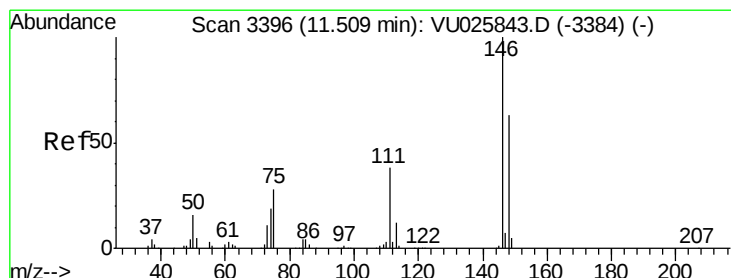
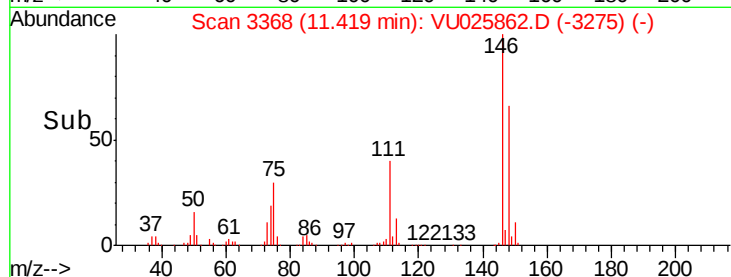
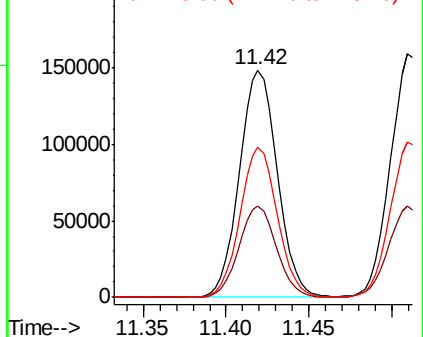
148 65.8 45.5 84.5



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: 47.141 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

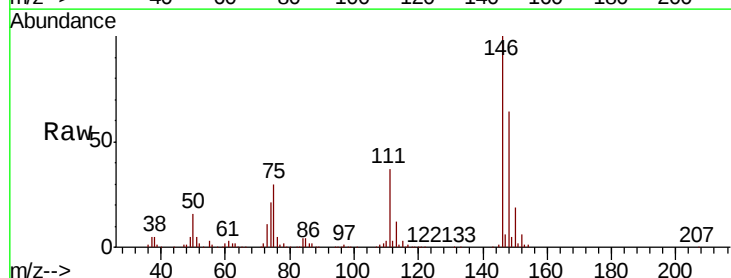
Tgt Ion:146 Resp: 246538

Ion Ratio Lower Upper

146 100

111 37.5 26.9 49.9

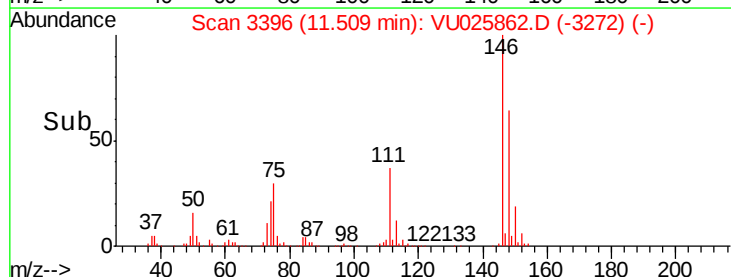
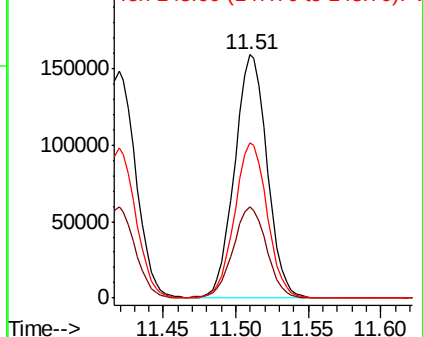
148 63.8 44.6 82.8

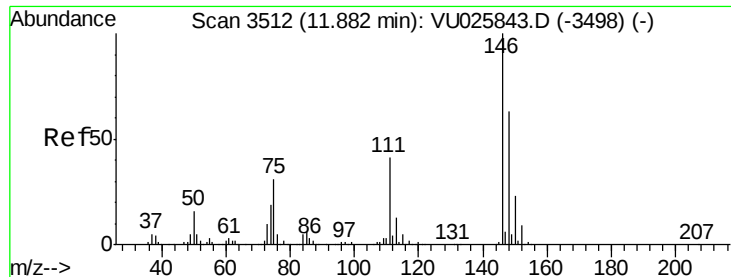


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.073 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

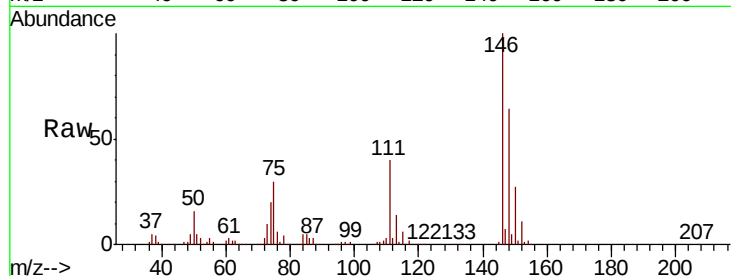
Tgt Ion:146 Resp: 247295

Ion Ratio Lower Upper

146 100

111 40.3 32.4 48.6

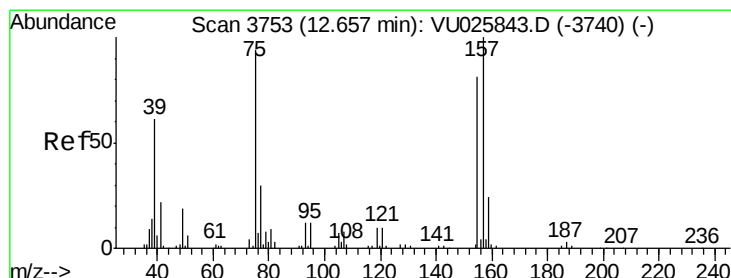
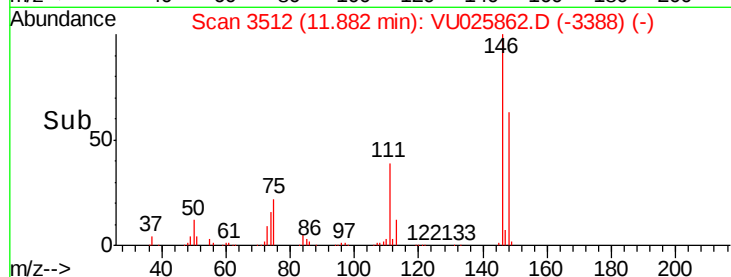
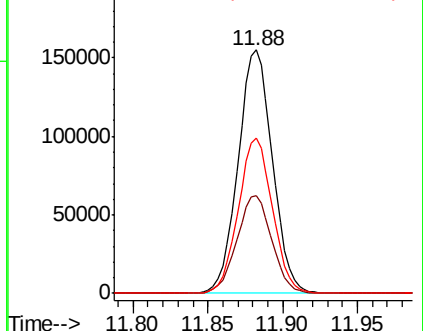
148 63.7 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 44.630 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

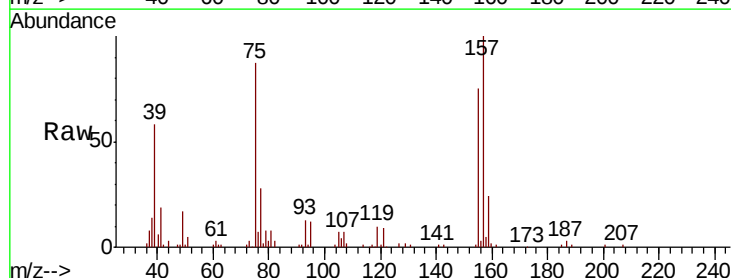
Tgt Ion: 75 Resp: 37674

Ion Ratio Lower Upper

75 100

155 86.3 66.3 99.5

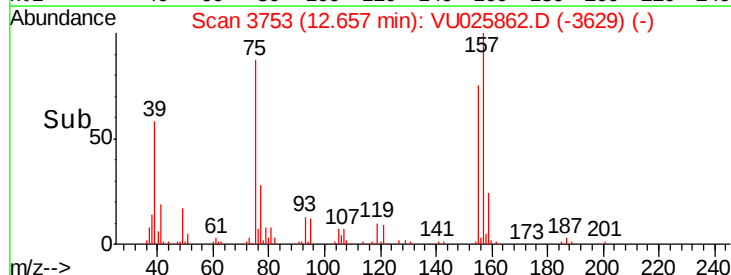
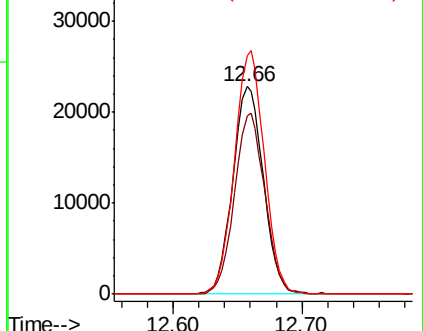
157 115.0 91.5 137.3

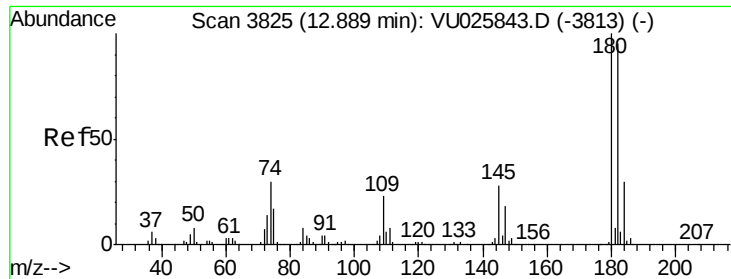


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

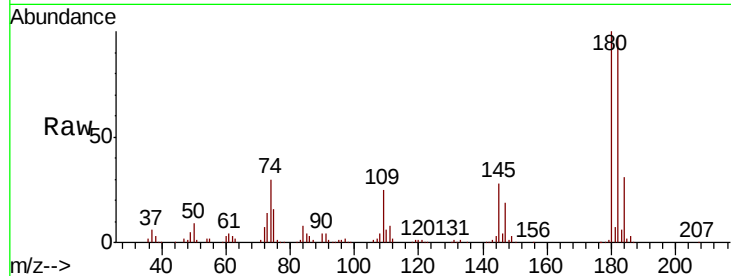




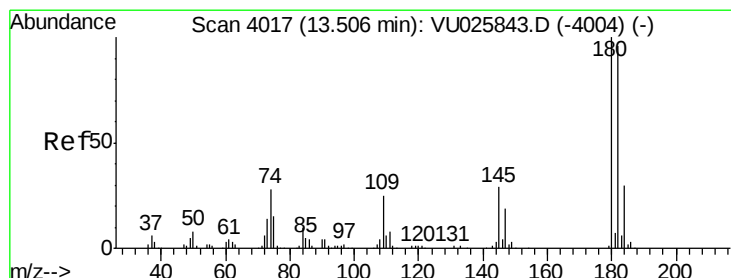
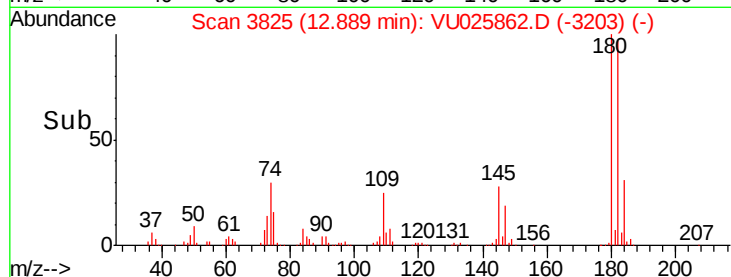
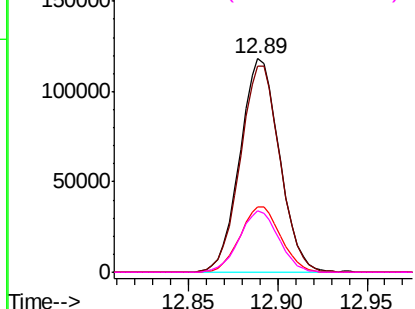
#67
 1,3,5-Trichlorobenzene
 Concen: 46.337 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU025862.D
 Acq: 04 Aug 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	180	Resp:	183250
Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.3	115.9
184	31.6	24.6	36.8
145	28.7	23.0	34.6

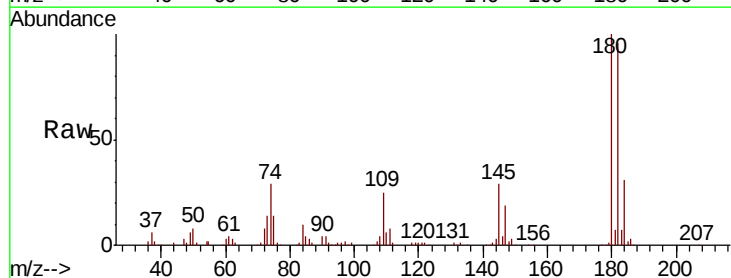


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

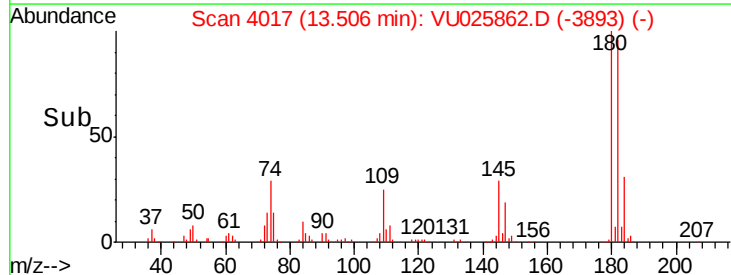
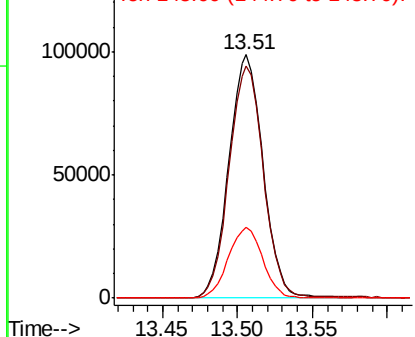


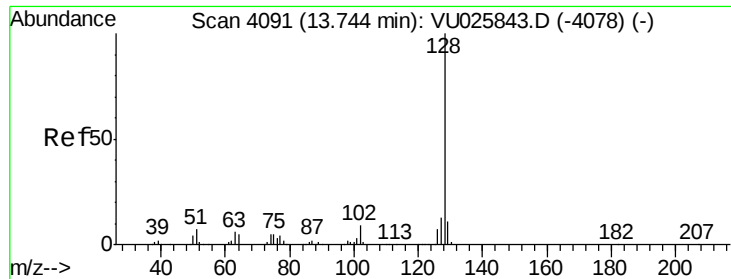
#68
 1,2,4-trichlorobenzene
 Concen: 47.285 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025862.D
 Acq: 04 Aug 2018 10:01

Tgt Ion:	180	Resp:	157162
Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.1	117.1
145	29.3	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: 44.546 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

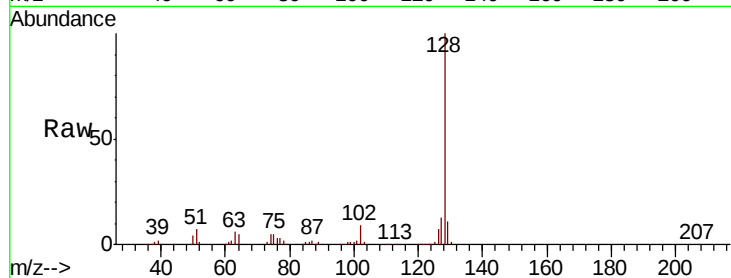
Tgt Ion:128 Resp: 445250

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

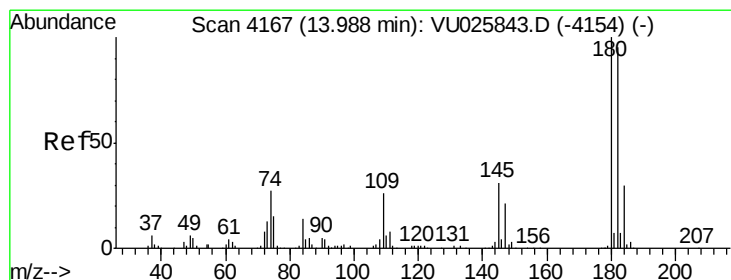
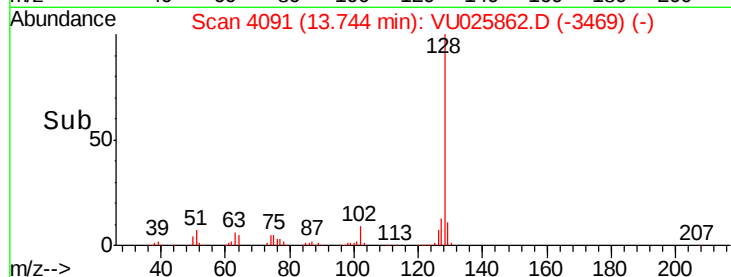
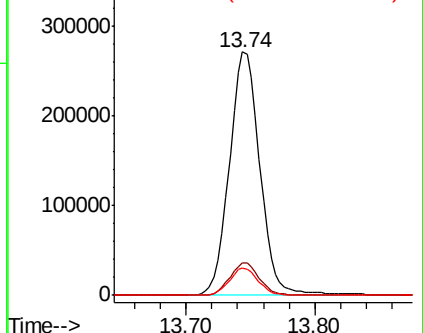
129 10.8 8.4 12.6



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: 46.562 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025862.D

Acq: 04 Aug 2018 10:01

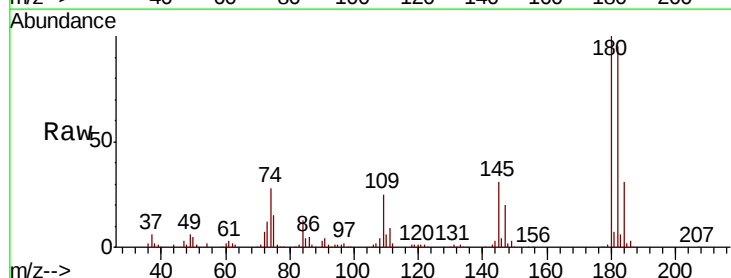
Tgt Ion:180 Resp: 163599

Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

145 31.1 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

