

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
 Data File : VU025617.D
 Acq On : 23 Jul 2018 21:25
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05065

Quant Time: Jul 24 02:10:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 24 02:07:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	322862	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303145	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	164005	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	100604	54.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.16%
7) Chloroethane-d5	1.68	69	80297	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.62%
11) 1,1-Dichloroethene-d2	2.27	63	202734	52.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.66%
21) 2-Butanone-d5	4.18	46	166446	116.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.97%
24) Chloroform-d	4.65	84	214448	52.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.46%
26) 1,2-Dichloroethane-d4	5.31	65	140954	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
32) Benzene-d6	5.35	84	406005	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
36) 1,2-Dichloropropane-d6	6.34	67	130337	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.06%
41) Toluene-d8	7.57	98	395292	53.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.04%
43) trans-1,3-Dichloropropene-	7.85	79	68601	53.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.22%
47) 2-Hexanone-d5	8.31	63	124400	118.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.59%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	186877	53.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	172746	51.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	142740	44.871	ug/L 99
3) Chloromethane	1.33	50	124895	54.365	ug/L 97
5) Vinyl chloride	1.41	62	120812	47.946	ug/L 98
6) Bromomethane	1.63	94	51792	59.106	ug/L 92
8) Chloroethane	1.70	64	73443	49.499	ug/L 97
9) Trichlorofluoromethane	1.89	101	169873	47.342	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	95990	47.771	ug/L 99
12) 1,1-Dichloroethene	2.28	96	92270	50.640	ug/L 94
13) Acetone	2.32	43	118476	70.935	ug/L 99
14) Carbon disulfide	2.48	76	282862	47.676	ug/L 99
15) Methyl Acetate	2.62	43	127511	55.227	ug/L 98
16) Methylene chloride	2.71	84	112728	49.665	ug/L 100
17) trans-1,2-Dichloroethene	2.99	96	105331	50.209	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	354651	51.908	ug/L 99
19) 1,1-Dichloroethane	3.45	63	200556	50.257	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	121341	51.242	ug/L 98
22) 2-Butanone	4.27	43	177757	95.601	ug/L 100

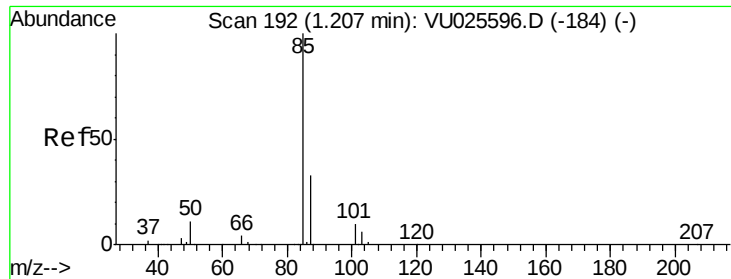
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
 Data File : VU025617.D
 Acq On : 23 Jul 2018 21:25
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Quant Time: Jul 24 02:10:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 24 02:07:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	64008	51.211	ug/L	99
25) Chloroform	4.68	83	211302	50.319	ug/L	99
27) 1,2-Dichloroethane	5.41	62	176374	51.494	ug/L	99
29) Cyclohexane	5.00	56	172417	49.093	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	190058	50.103	ug/L	100
31) Carbon tetrachloride	5.14	117	173521	49.470	ug/L	100
33) Benzene	5.39	78	437451	50.222	ug/L	100
34) Trichloroethene	6.19	95	117800	50.971	ug/L	97
35) Methylcyclohexane	6.42	83	176096	47.256	ug/L	99
37) 1,2-Dichloropropane	6.44	63	120984	50.829	ug/L	100
38) Bromodichloromethane	6.76	83	160378	51.104	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	190812	51.657	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	355920	113.867	ug/L	99
42) Toluene	7.64	91	480873	51.193	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	182171	52.306	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	115336	50.517	ug/L	99
46) Tetrachloroethene	8.23	164	101390	50.604	ug/L	99
48) 2-Hexanone	8.36	43	282295	106.881	ug/L	99
49) Dibromochloromethane	8.48	129	138438	51.691	ug/L	99
50) 1,2-Dibromoethane	8.59	107	128292	52.158	ug/L	100
51) Chlorobenzene	9.12	112	325173	51.420	ug/L	99
52) Ethylbenzene	9.25	91	542878	52.363	ug/L	100
53) m,p-Xylene	9.38	106	212016	53.389	ug/L	97
54) o-xylene	9.78	106	206507	51.248	ug/L	100
55) Styrene	9.80	104	355838	54.220	ug/L	100
56) Isopropylbenzene	10.17	105	550443	52.932	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	194414	52.791	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	148259	53.030	ug/L	99
61) Bromoform	9.96	173	104441	49.232	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	268424	51.741	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	273398	51.628	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	274704	50.544	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	46190	54.039	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	213699	53.366	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	190457	56.591	ug/L	98
69) Naphthalene	13.74	128	611351	60.405	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	197050	55.387	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.871 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

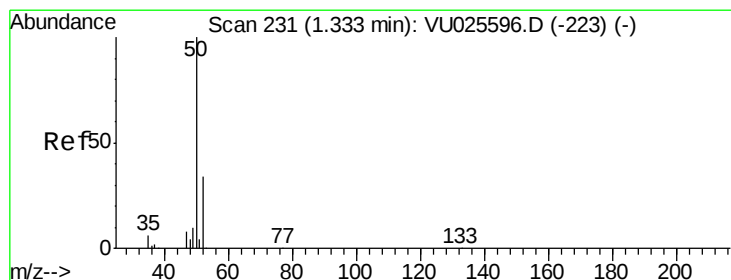
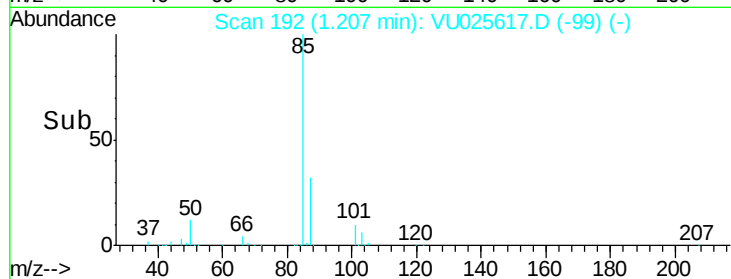
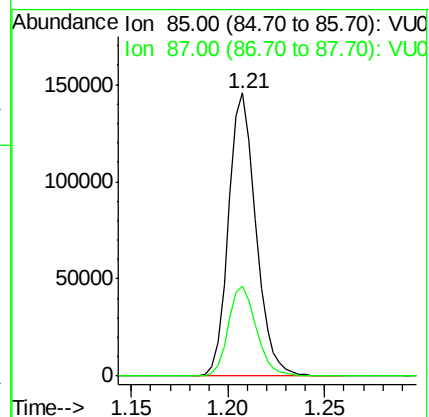
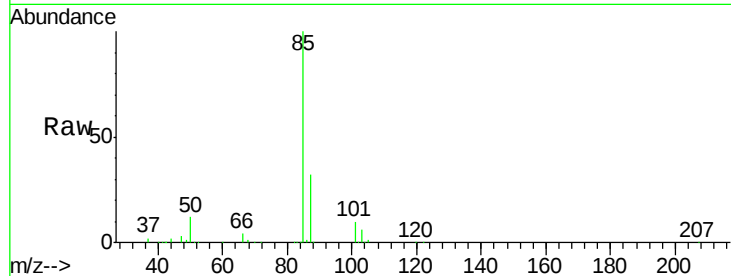
VSTD05065

Tot Ion: 85 Resp: 142740

Ion Ratio Lower Upper

85 100

87 32.5 25.6 38.4



#3

Chloromethane

Concen: 54.365 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025617.D

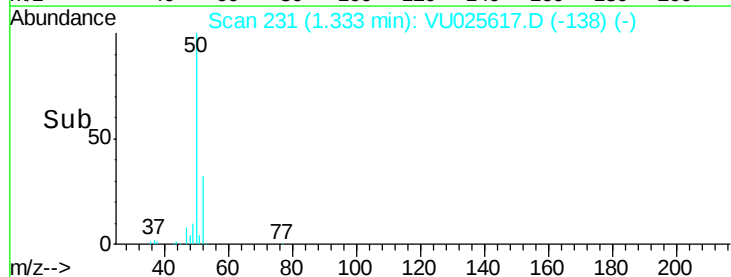
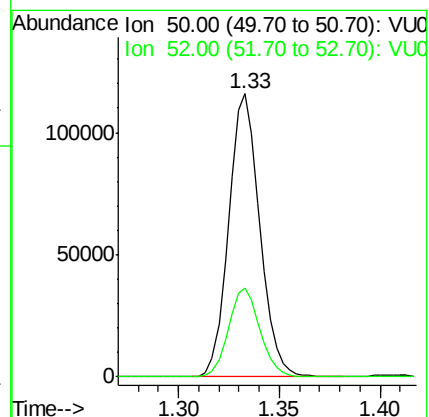
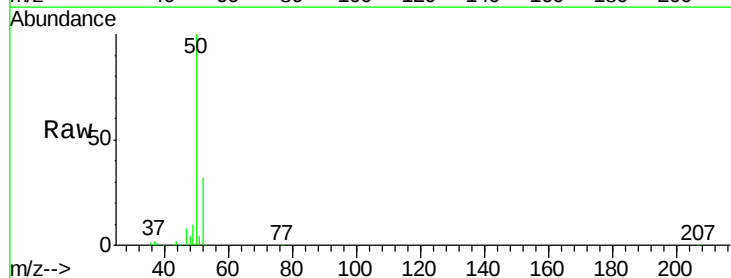
Acq: 23 Jul 2018 21:25

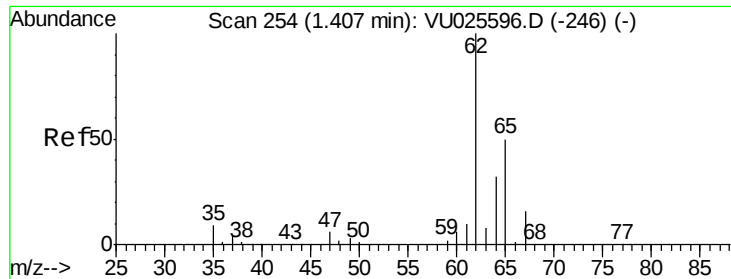
Tgt Ion: 50 Resp: 124895

Ion Ratio Lower Upper

50 100

52 31.5 23.2 43.2





#5

Vinyl chloride

Concen: 47.946 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

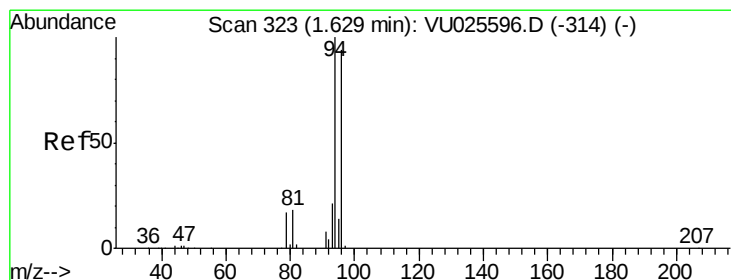
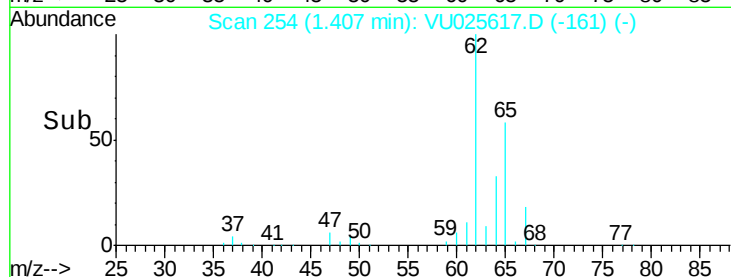
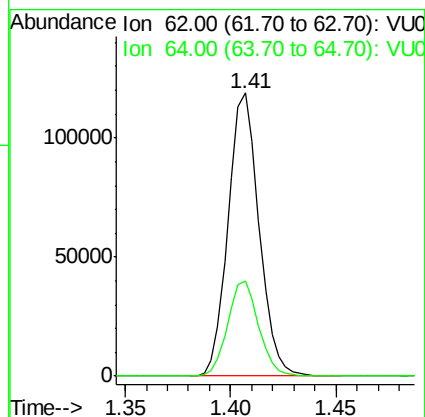
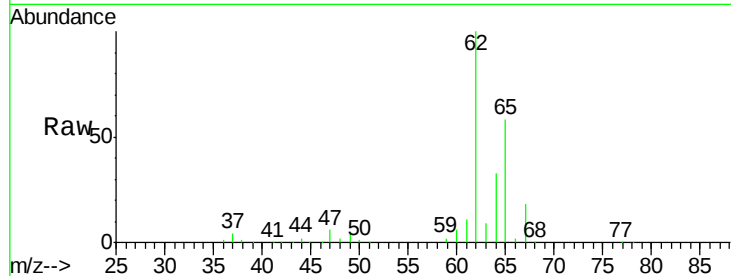
VSTD05065

Tot Ion: 62 Resp: 120812

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.1



#6

Bromomethane

Concen: 59.106 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025617.D

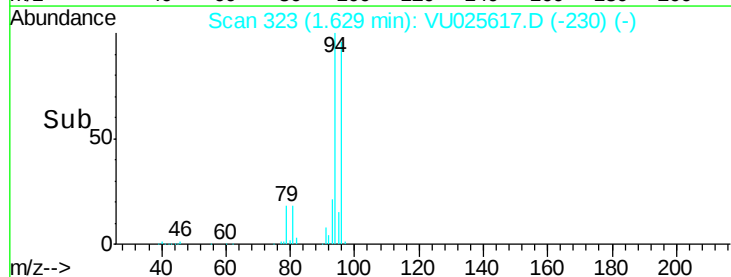
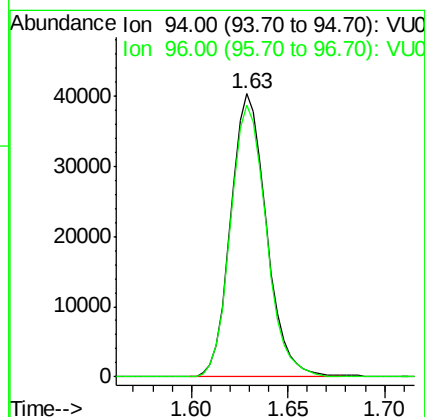
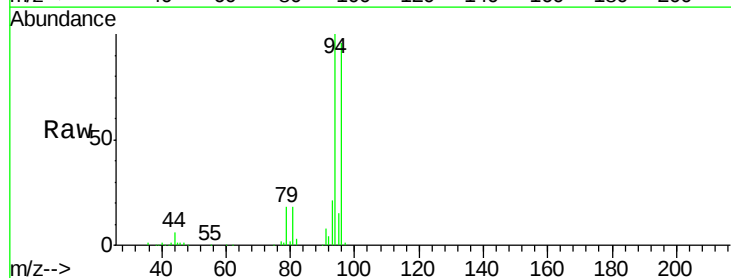
Acq: 23 Jul 2018 21:25

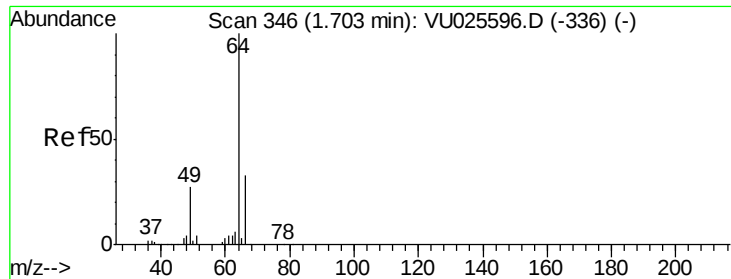
Tgt Ion: 94 Resp: 51792

Ion Ratio Lower Upper

94 100

96 96.1 62.4 115.8





#8

Chloroethane

Concen: 49.499 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

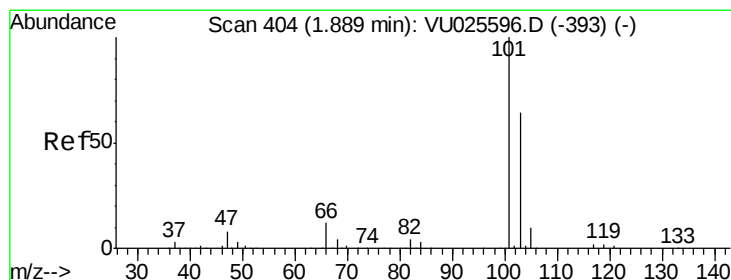
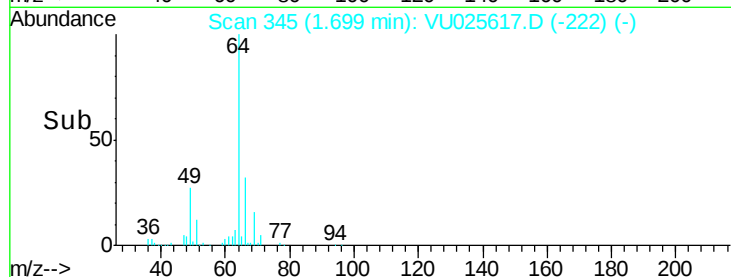
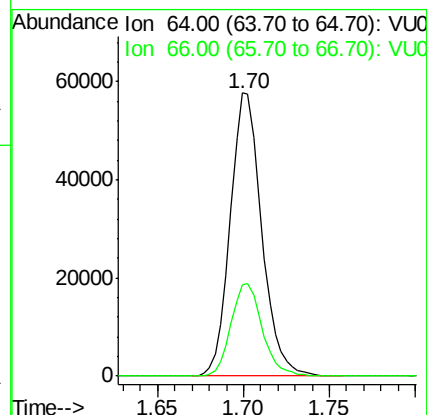
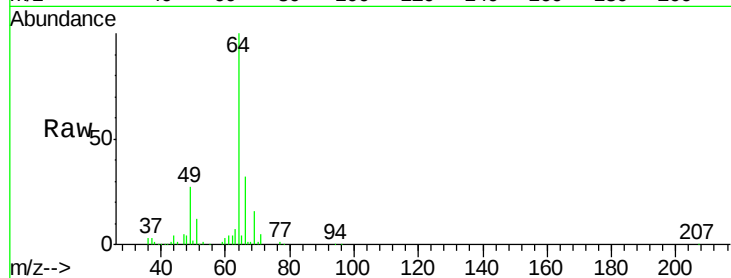
VSTD05065

Tot Ion: 64 Resp: 73443

Ion Ratio Lower Upper

64 100

66 32.1 23.5 43.7



#9

Trichlorofluoromethane

Concen: 47.342 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025617.D

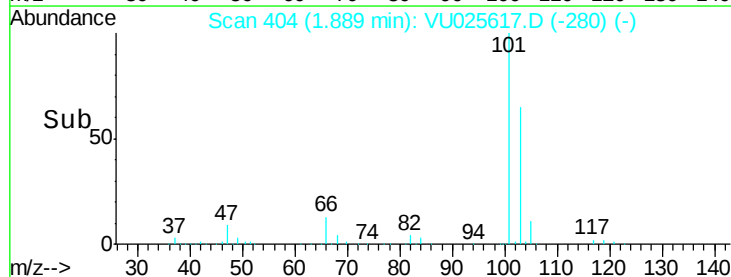
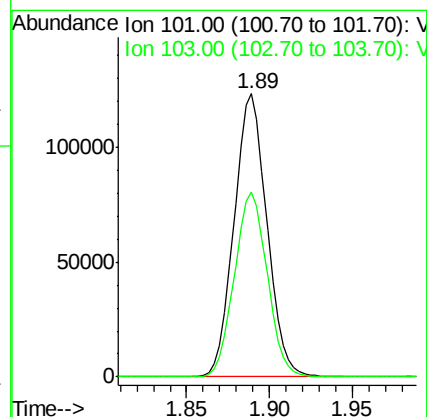
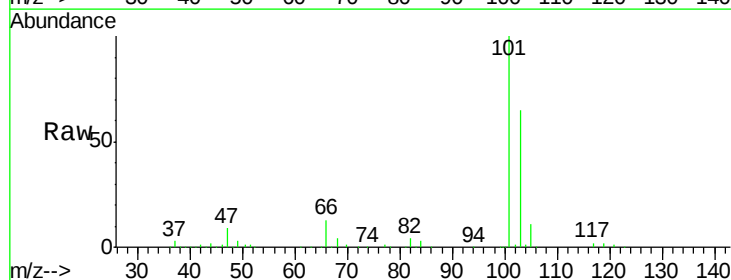
Acq: 23 Jul 2018 21:25

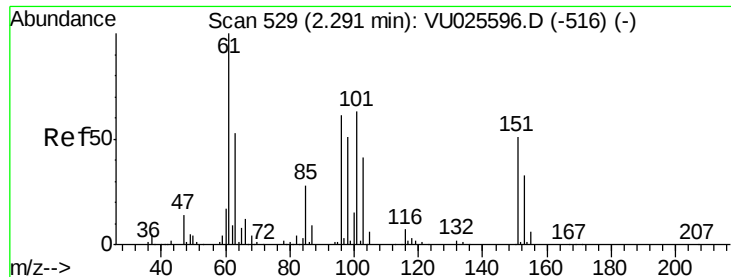
Tgt Ion:101 Resp: 169873

Ion Ratio Lower Upper

101 100

103 65.2 52.0 78.0





#10

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

Concen: 47.771 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05065

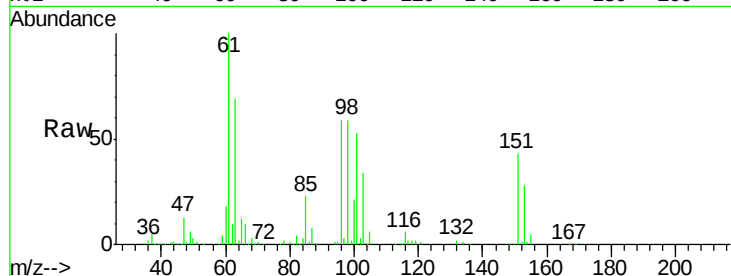
Tot Ion:101 Resp: 95990

Ion Ratio Lower Upper

101 100

85 44.3 35.5 53.3

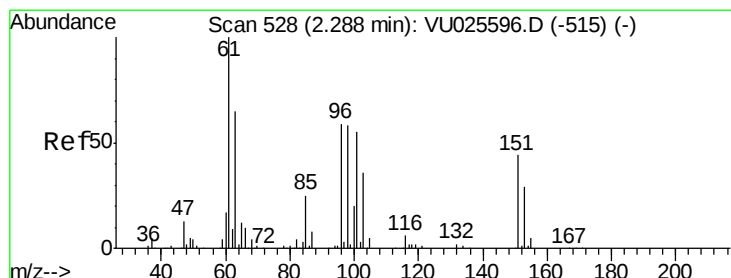
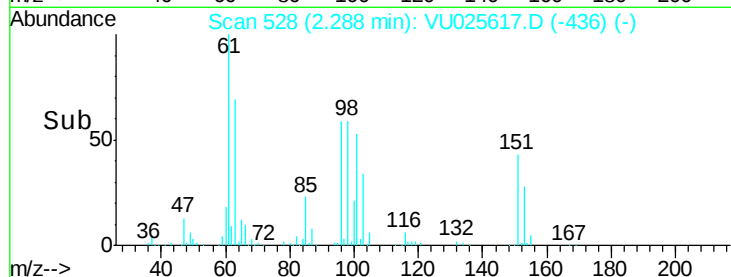
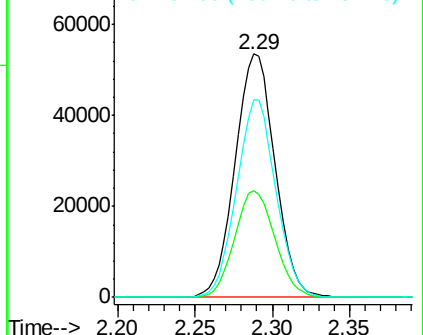
151 80.2 63.5 95.3



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: 50.640 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

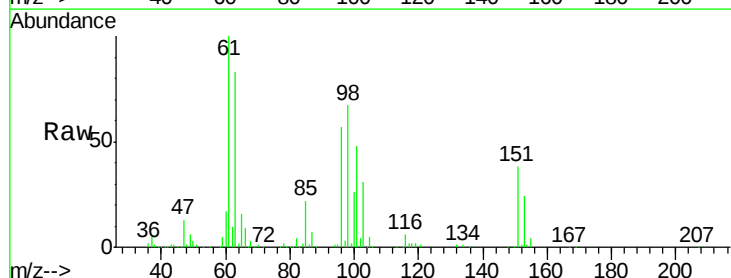
Tgt Ion: 96 Resp: 92270

Ion Ratio Lower Upper

96 100

61 176.0 122.5 227.5

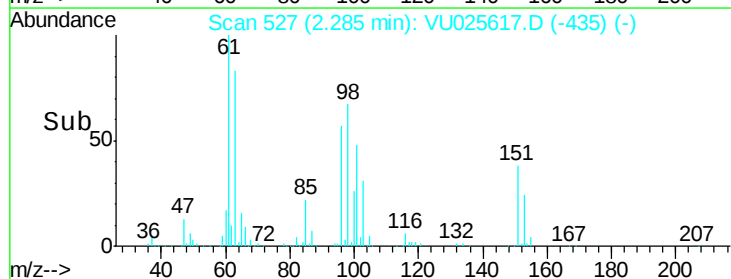
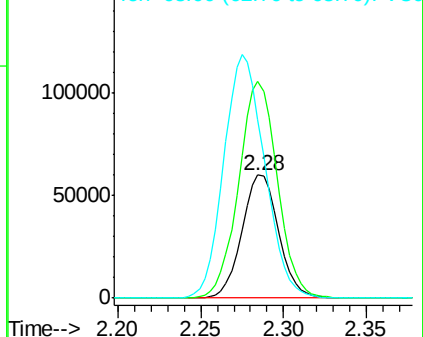
63 145.7 90.9 168.9

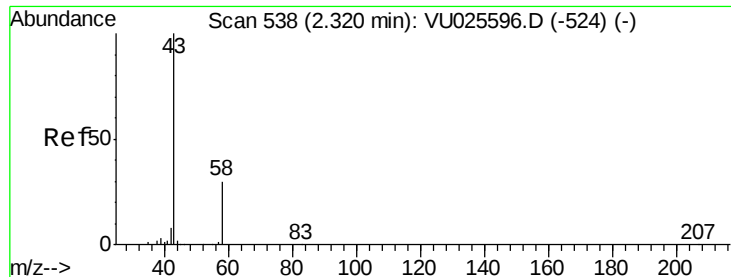


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 70.935 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

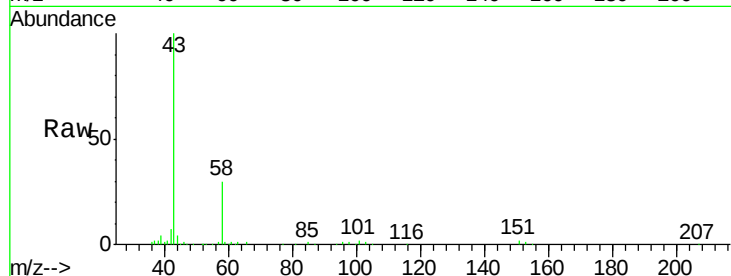
VSTD05065

Tot Ion: 43 Resp: 118476

Ion Ratio Lower Upper

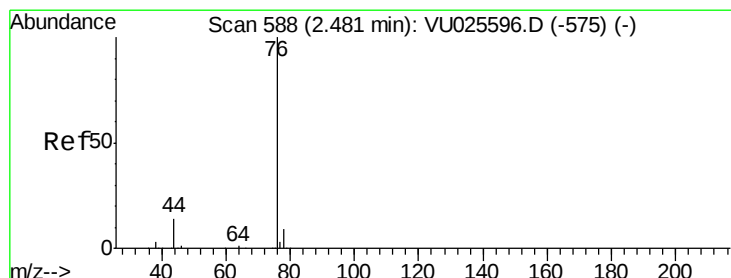
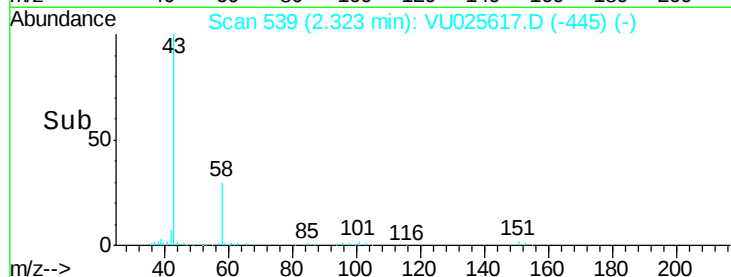
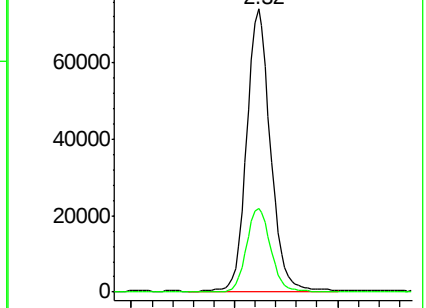
43 100

58 30.0 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU025596.D (-524) (-)

Ion 58.00 (57.70 to 58.70): VU025596.D (-524) (-)



#14

Carbon disulfide

Concen: 47.676 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025617.D

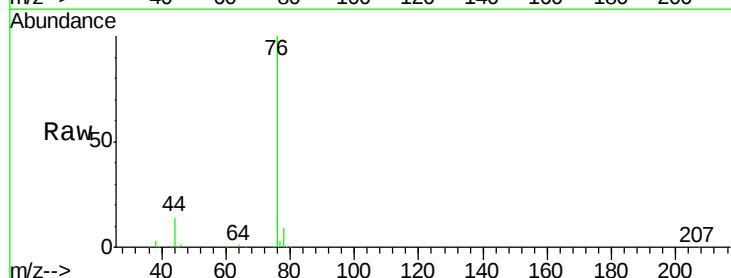
Acq: 23 Jul 2018 21:25

Tgt Ion: 76 Resp: 282862

Ion Ratio Lower Upper

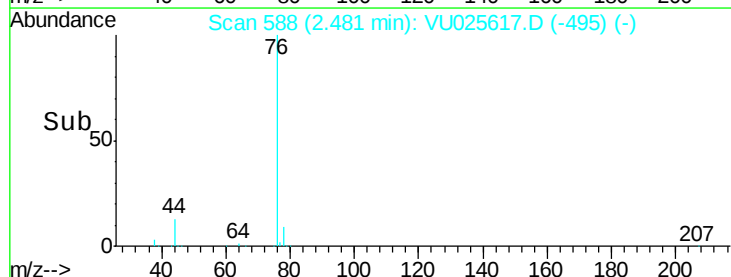
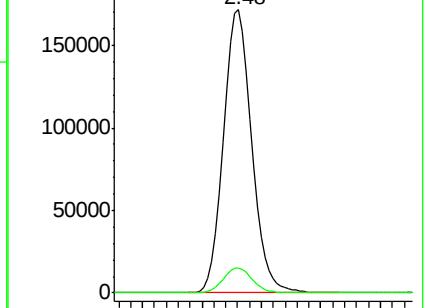
76 100

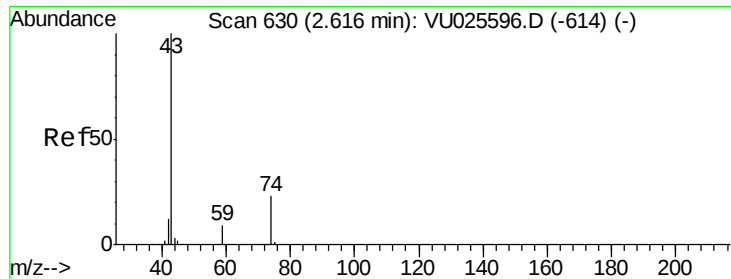
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU025596.D (-575) (-)

Ion 78.00 (77.70 to 78.70): VU025596.D (-575) (-)

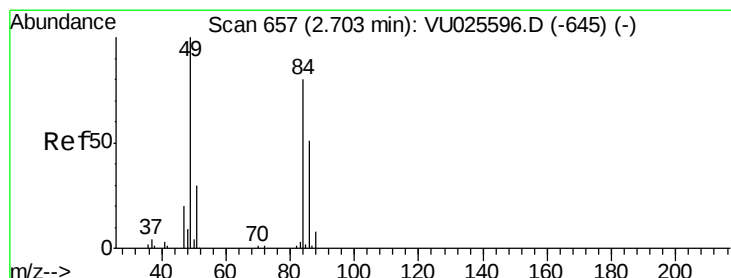
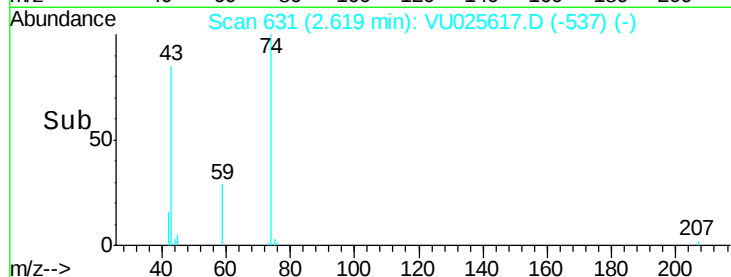
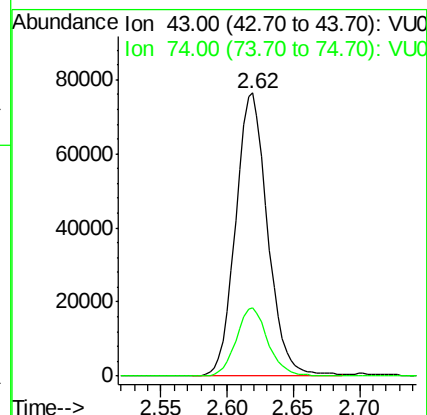
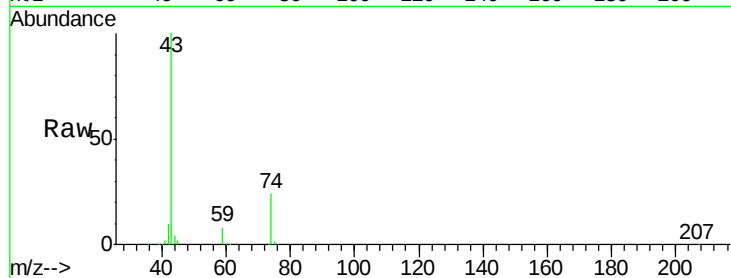




#15
Methvl Acetate
Concen: 55.227 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025617.D
Acq: 23 Jul 2018 21:25

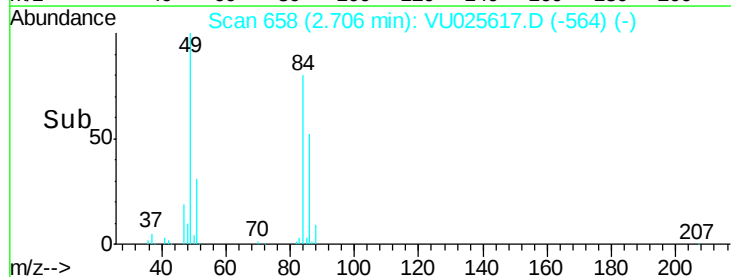
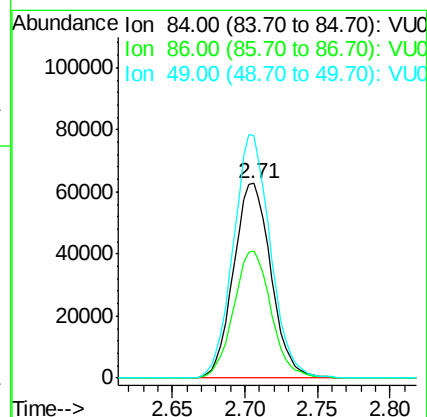
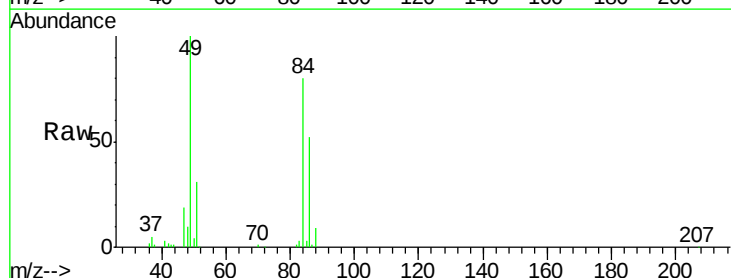
Instrument :
MSVOA_U
ClientSampleId :
VSTD05065

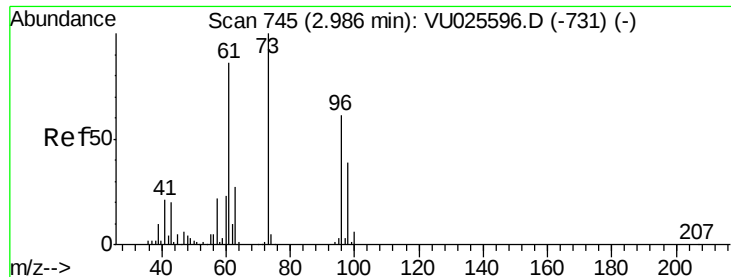
Tot Ion: 43 Resp: 127511
Ion Ratio Lower Upper
43 100
74 24.0 18.3 27.5



#16
Methylene chloride
Concen: 49.665 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025617.D
Acq: 23 Jul 2018 21:25

Tgt Ion: 84 Resp: 112728
Ion Ratio Lower Upper
84 100
86 65.2 45.6 84.6
49 124.8 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 50.209 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05065

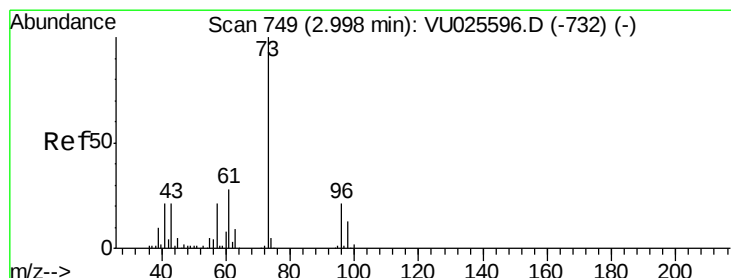
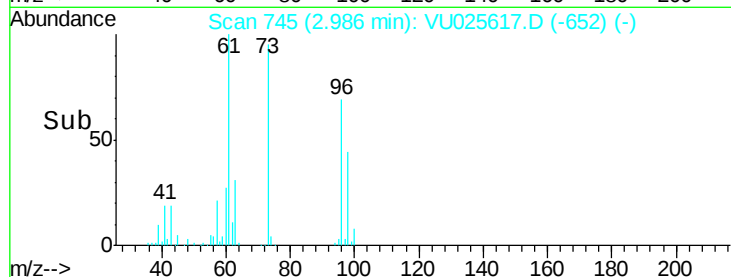
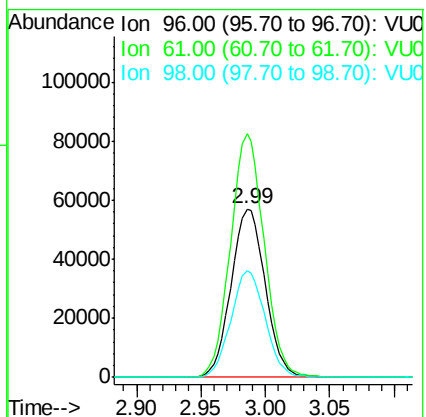
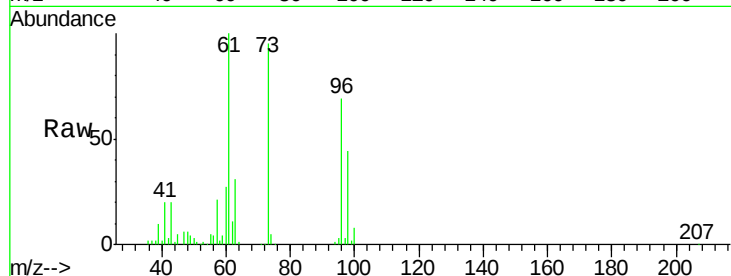
Tot Ion: 96 Resp: 105331

Ion Ratio Lower Upper

96 100

61 144.3 100.0 185.8

98 63.2 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 51.908 ug/L

RT: 3.00 min Scan# 751

Delta R.T. 0.01 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

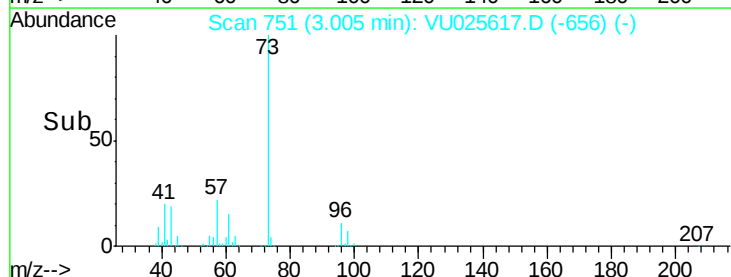
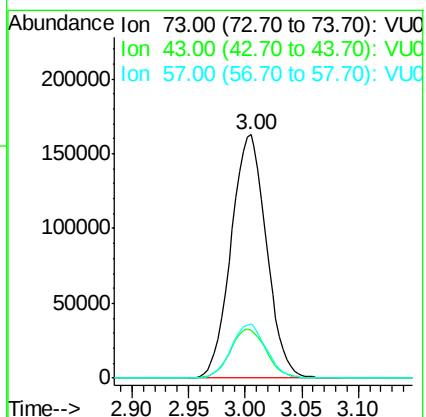
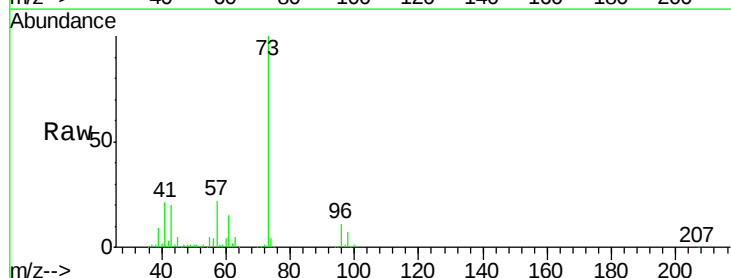
Tgt Ion: 73 Resp: 354651

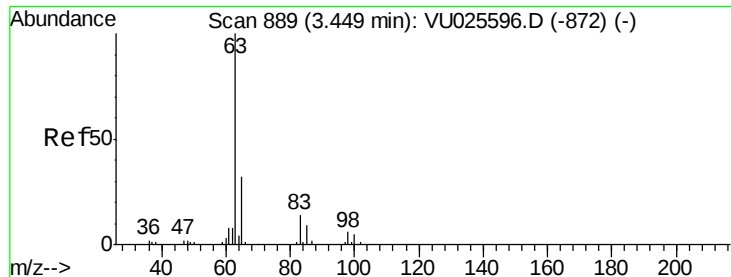
Ion Ratio Lower Upper

73 100

43 20.6 16.2 24.2

57 21.8 17.1 25.7





#19

1,1-Dichloroethane

Concen: 50.257 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05065

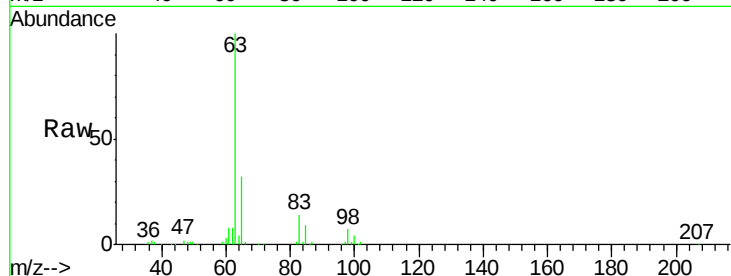
Tot Ion: 63 Resp: 200556

Ion Ratio Lower Upper

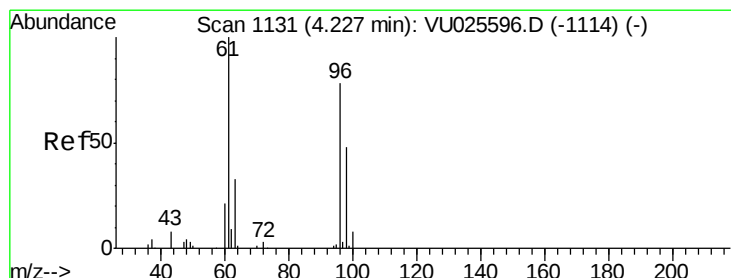
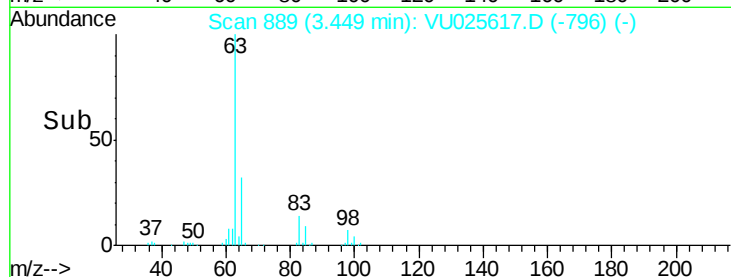
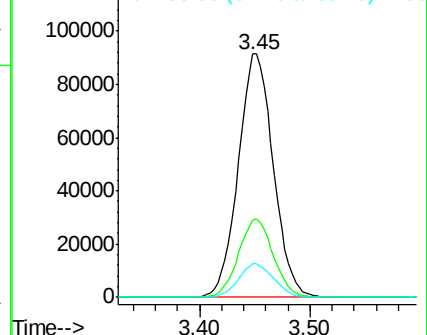
63 100

65 31.6 22.0 41.0

83 13.7 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: 51.242 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

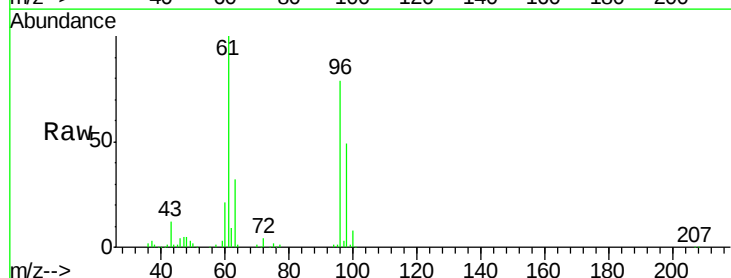
Tgt Ion: 96 Resp: 121341

Ion Ratio Lower Upper

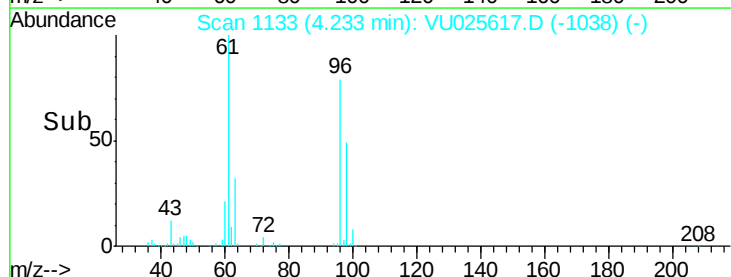
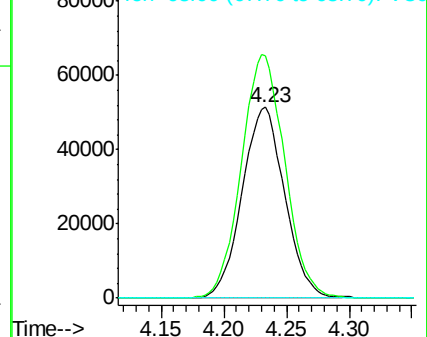
96 100

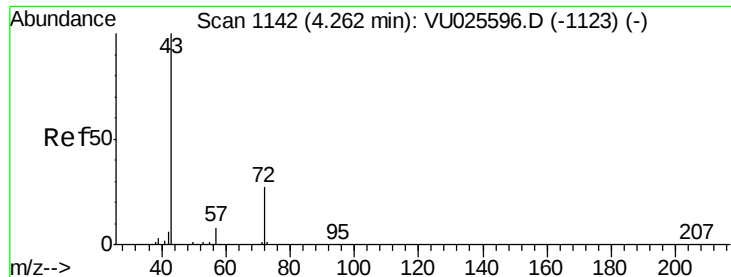
61 127.2 87.4 162.2

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: 95.601 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

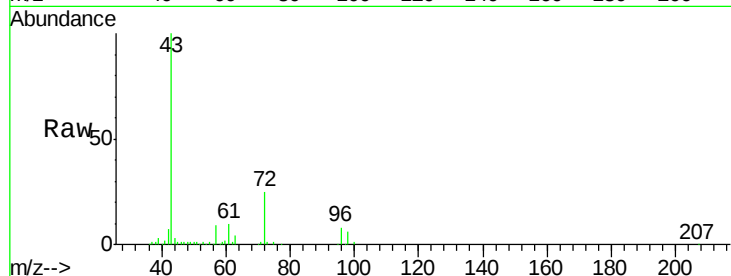
Instrument :
MSVOA_U
ClientSampleId :
VSTD05065

Tot Ion: 43 Resp: 177757

Ion Ratio Lower Upper

43 100

72 27.3 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VU025596.D (-1123) (-)

Ion 72.00 (71.70 to 72.70): VU025596.D (-1123) (-)

4.27

80000

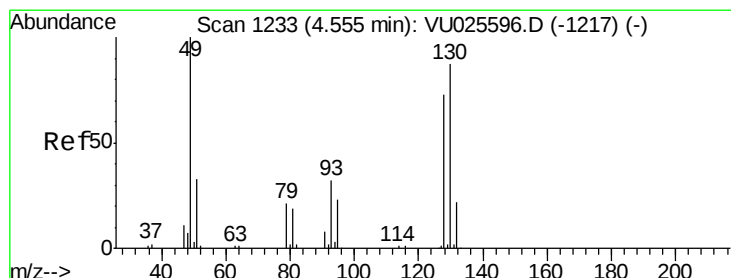
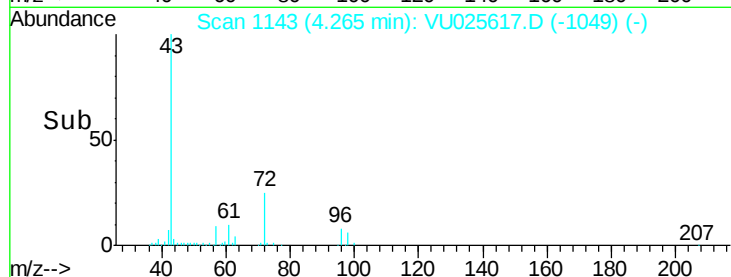
60000

40000

20000

0

Time--> 4.15 4.20 4.25 4.30 4.35



#23

Bromochloromethane

Concen: 51.211 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Tgt Ion: 128 Resp: 64008

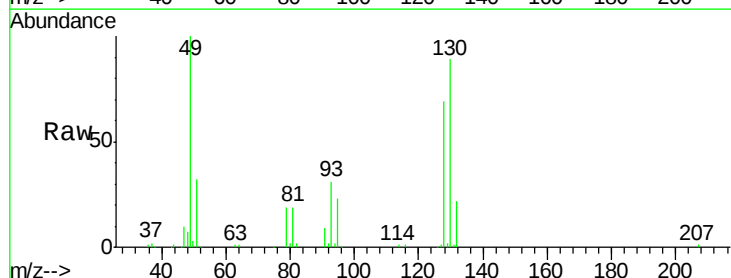
Ion Ratio Lower Upper

128 100

49 145.6 103.3 191.8

130 129.2 90.4 167.8

51 46.9 35.5 53.3



Abundance Ion 128.00 (127.70 to 128.70): VU025596.D (-1217) (-)

Ion 49.00 (48.70 to 49.70): VU025596.D (-1217) (-)

Ion 130.00 (129.70 to 130.70): VU025596.D (-1217) (-)

Ion 51.00 (50.70 to 51.70): VU025596.D (-1217) (-)

60000

50000

40000

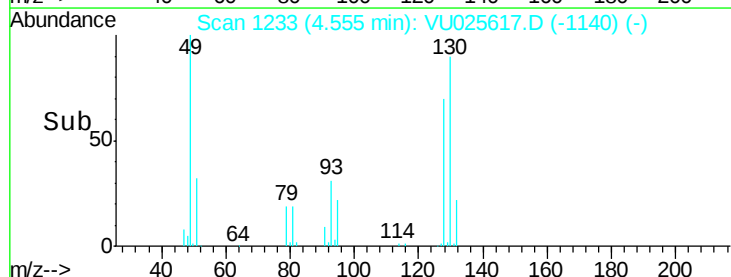
30000

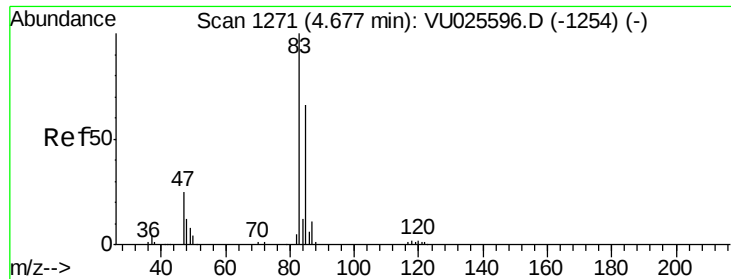
20000

10000

0

Time--> 4.45 4.50 4.55 4.60 4.65





#25

Chloroform

Concen: 50.319 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

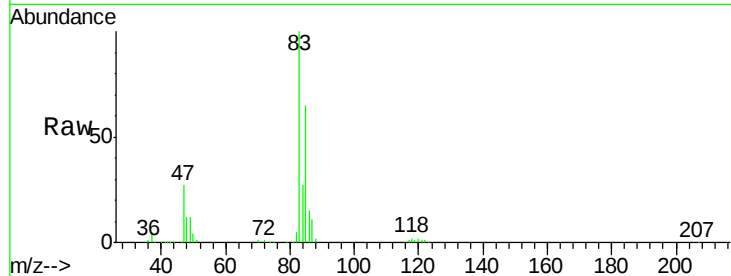
VSTD05065

Tot Ion: 83 Resp: 211302

Ion Ratio Lower Upper

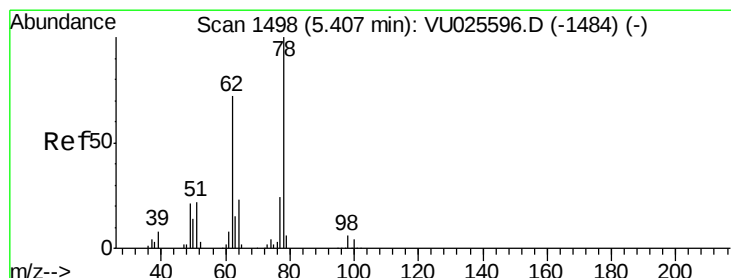
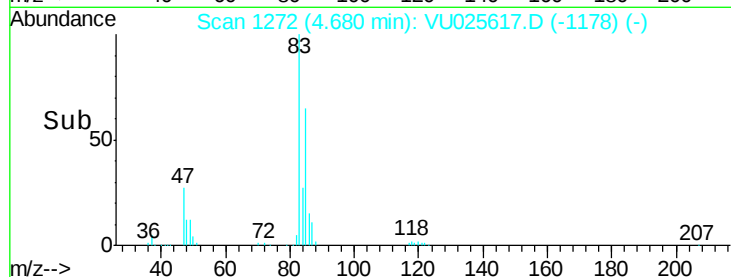
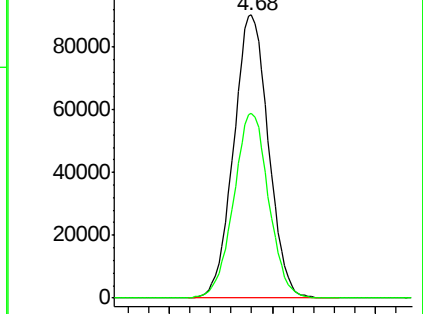
83 100

85 65.3 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 51.494 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025617.D

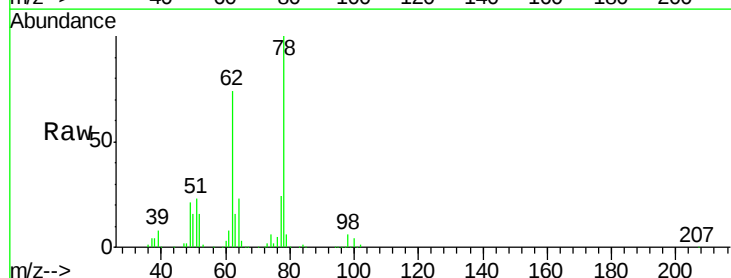
Acq: 23 Jul 2018 21:25

Tgt Ion: 62 Resp: 176374

Ion Ratio Lower Upper

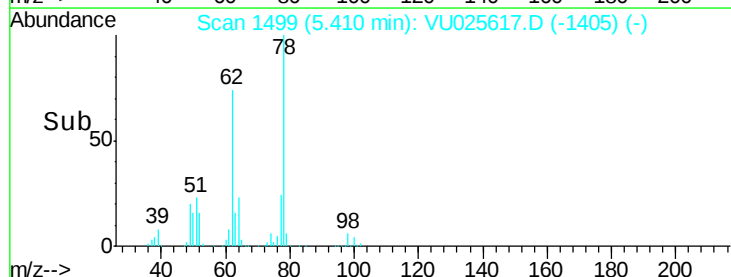
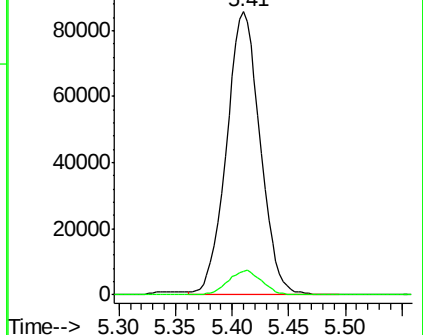
62 100

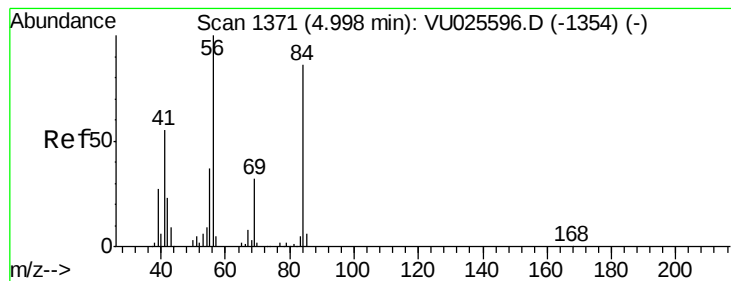
98 8.5 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#29

Cyclohexane

Concen: 49.093 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05065

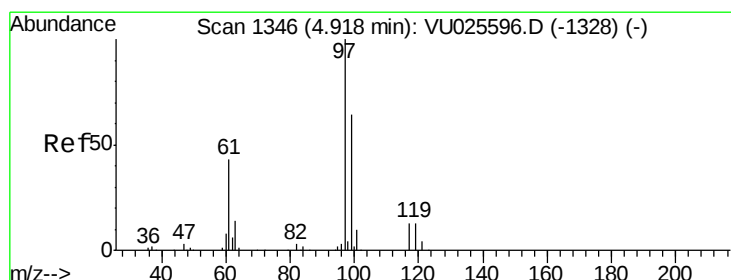
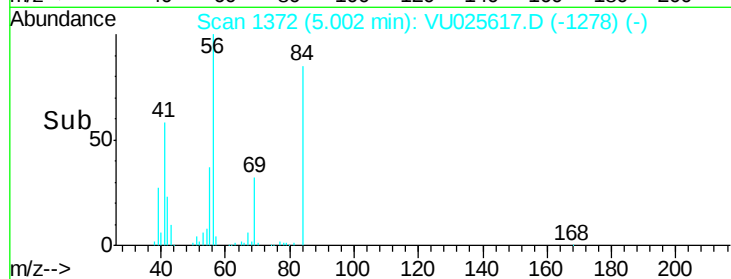
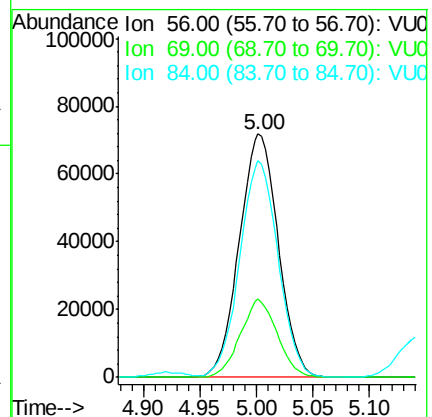
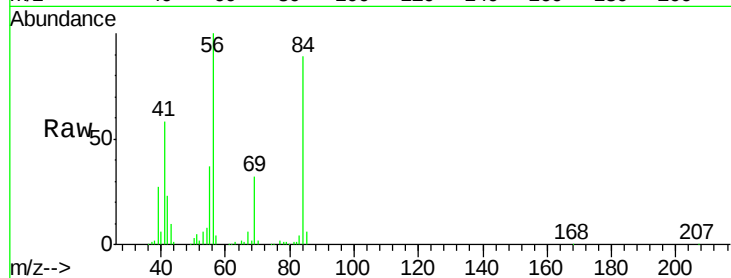
Tot Ion: 56 Resp: 172417

Ion Ratio Lower Upper

56 100

69 30.4 24.8 37.2

84 87.7 70.6 106.0



#30

1,1,1-Trichloroethane

Concen: 50.103 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

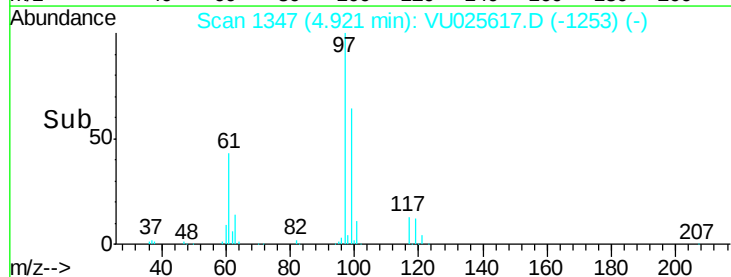
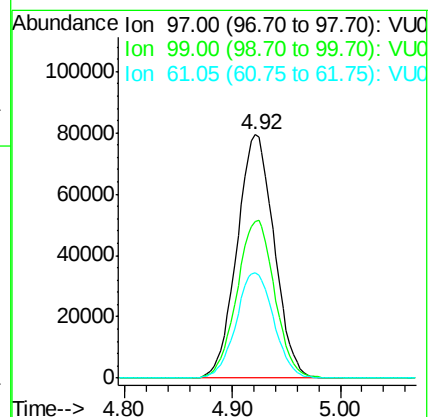
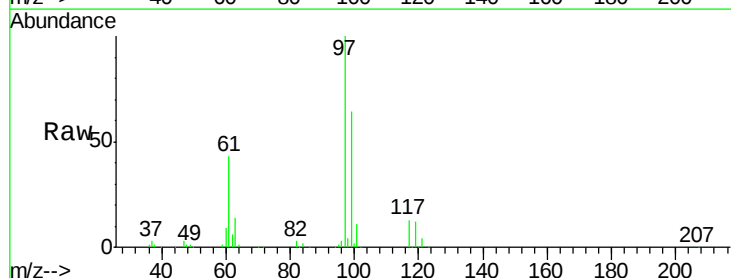
Tgt Ion: 97 Resp: 190058

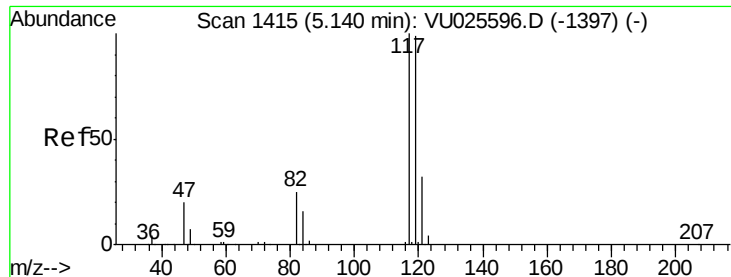
Ion Ratio Lower Upper

97 100

99 65.7 52.4 78.6

61 43.8 34.6 52.0





#31

Carbon tetrachloride

Concen: 49.470 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

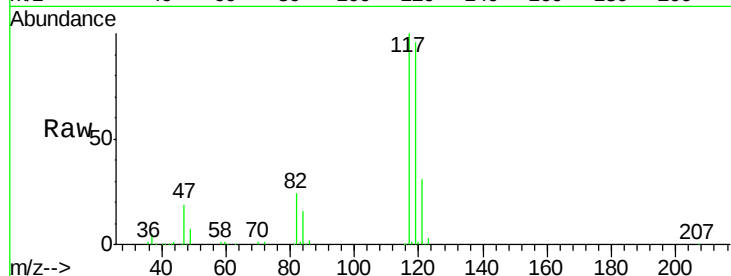
VSTD05065

Tot Ion:117 Resp: 173521

Ion Ratio Lower Upper

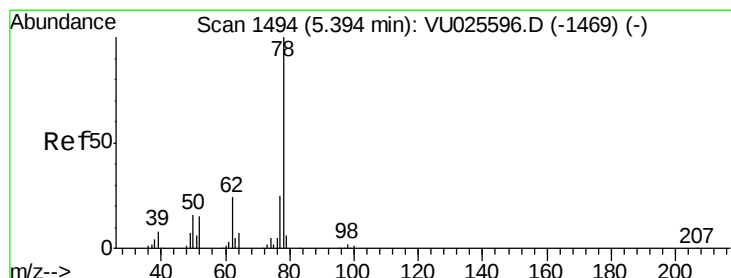
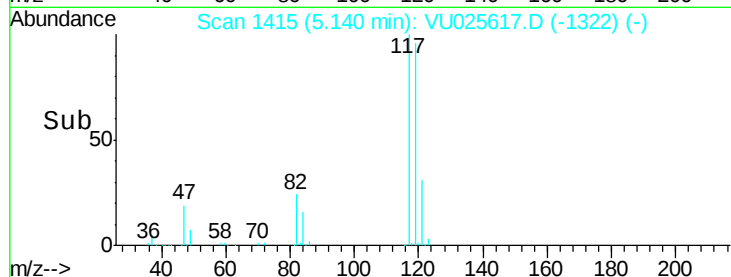
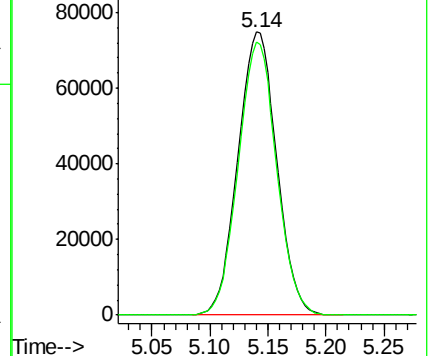
117 100

119 95.3 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: 50.222 ug/L

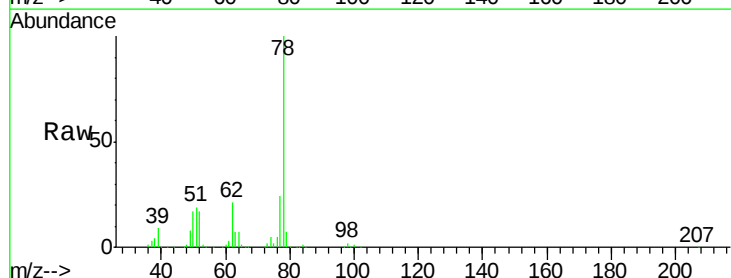
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

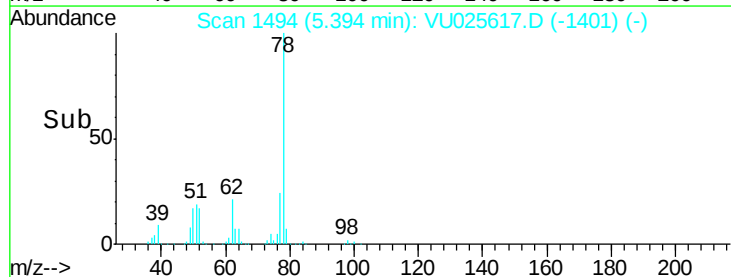
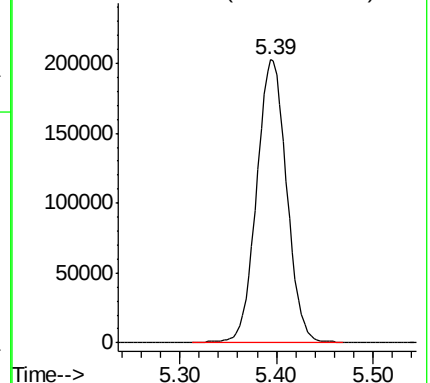
Lab File: VU025617.D

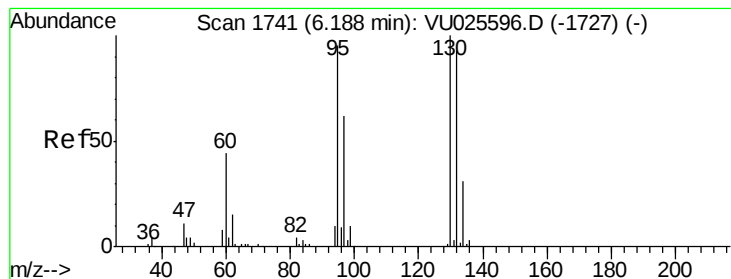
Acq: 23 Jul 2018 21:25

Tgt Ion: 78 Resp: 437451



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.971 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05065

Tot Ion: 95 Resp: 117800

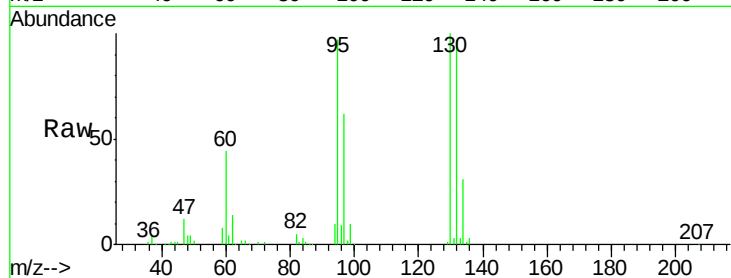
Ion Ratio Lower Upper

95 100

97 64.2 45.9 85.3

132 100.5 72.2 134.2

130 103.2 74.9 139.1

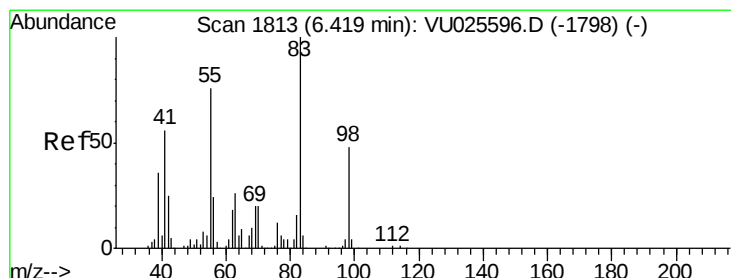
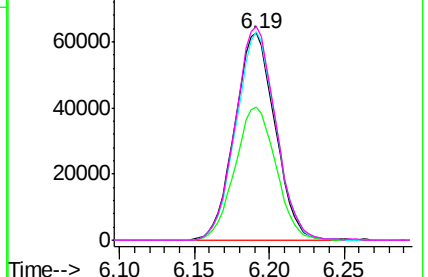
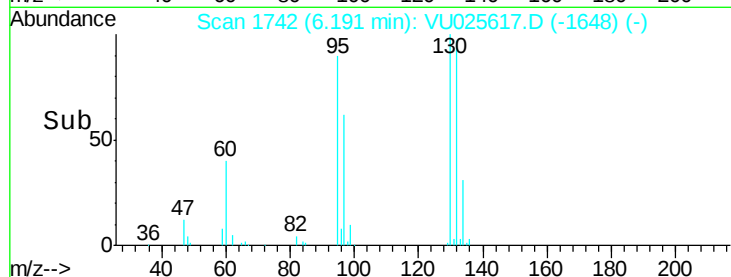


Abundance Ion 95.00 (94.70 to 95.70): VU025596.D (-1727) (-)

Ion 97.00 (96.70 to 97.70): VU025596.D (-1727) (-)

Ion 132.00 (131.70 to 132.70): VU025596.D (-1727) (-)

Ion 130.00 (129.70 to 130.70): VU025596.D (-1727) (-)



#35

Methylcyclohexane

Concen: 47.256 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

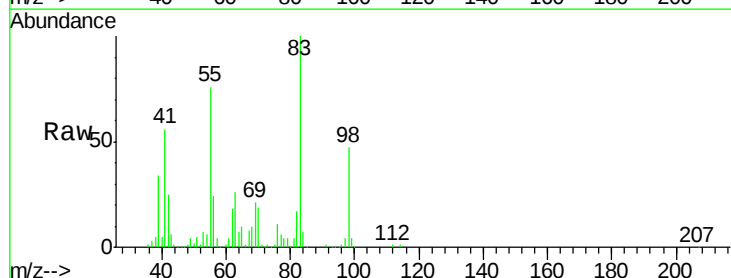
Tgt Ion: 83 Resp: 176096

Ion Ratio Lower Upper

83 100

55 76.0 61.1 91.7

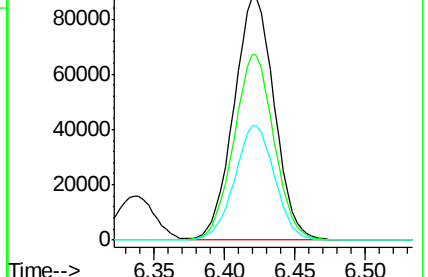
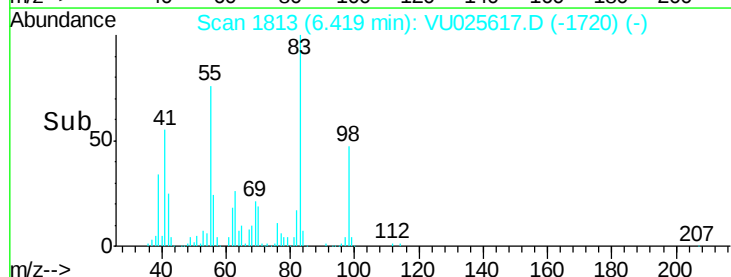
98 46.7 38.6 57.8

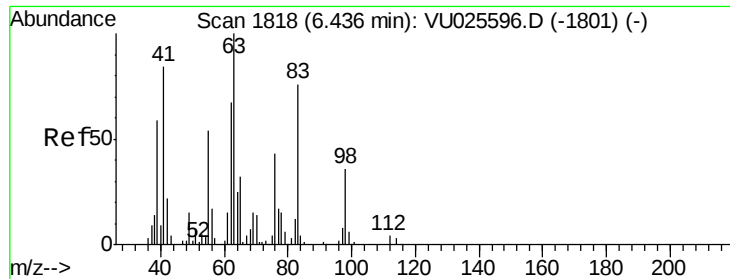


Abundance Ion 83.00 (82.70 to 83.70): VU025596.D (-1798) (-)

Ion 55.00 (54.70 to 55.70): VU025596.D (-1798) (-)

Ion 98.00 (97.70 to 98.70): VU025596.D (-1798) (-)

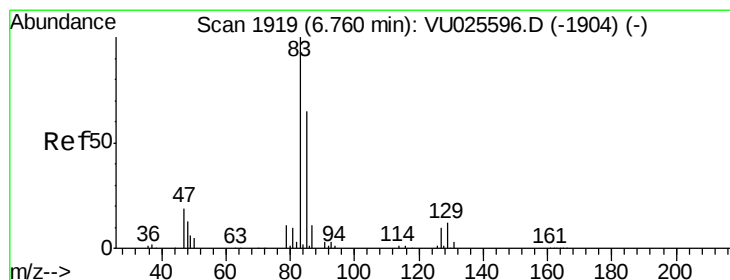
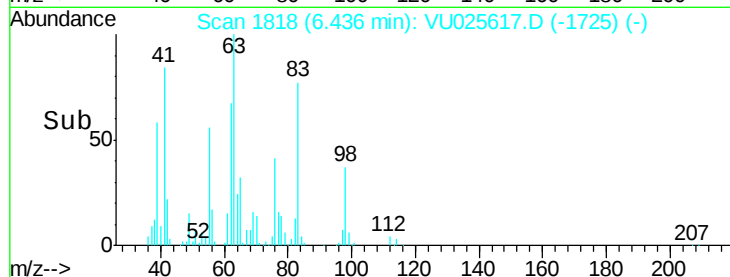
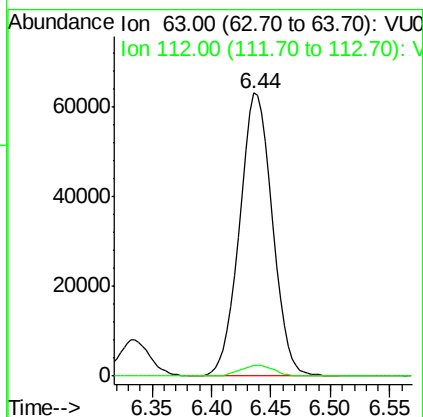
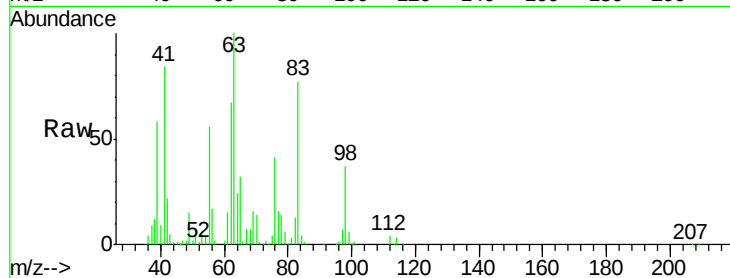




#37
 1,2-Dichloropropane
 Concen: 50.829 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

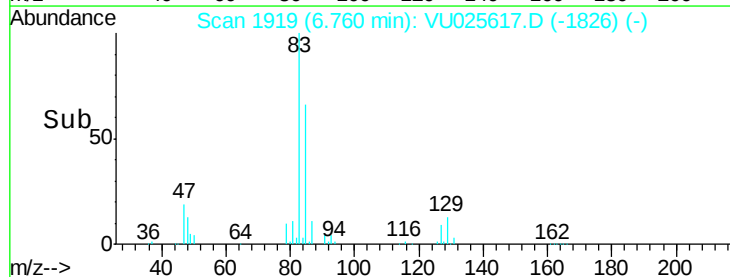
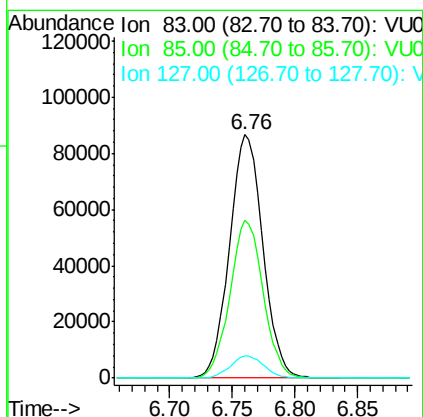
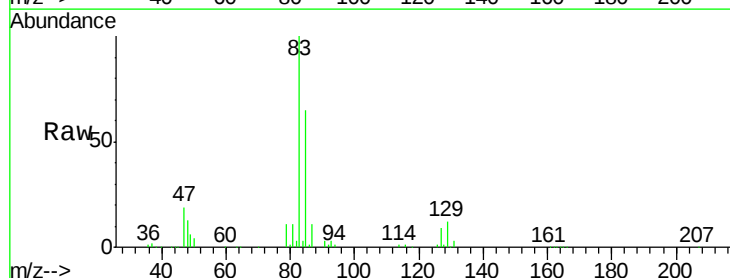
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05065

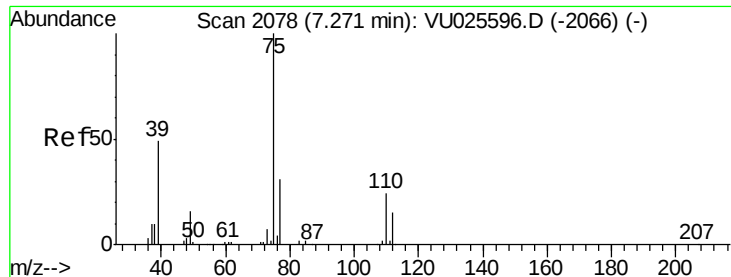
Tot Ion: 63 Resp: 120984
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#38
 Bromodichloromethane
 Concen: 51.104 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

Tgt Ion: 83 Resp: 160378
 Ion Ratio Lower Upper
 83 100
 85 64.6 46.7 86.7
 127 9.1 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 51.657 ug/L

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

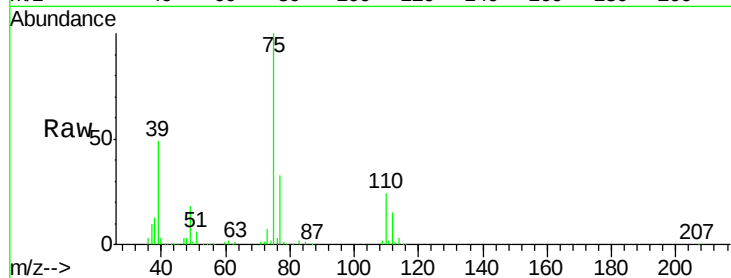
VSTD05065

Tot Ion: 75 Resp: 190812

Ion Ratio Lower Upper

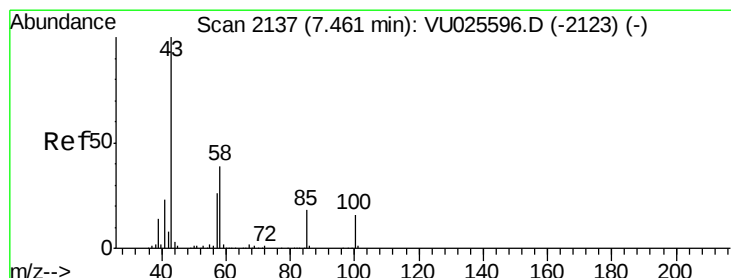
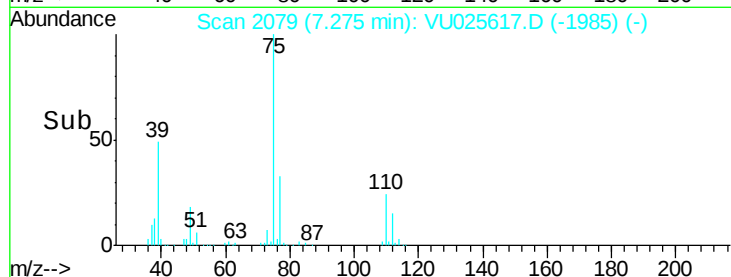
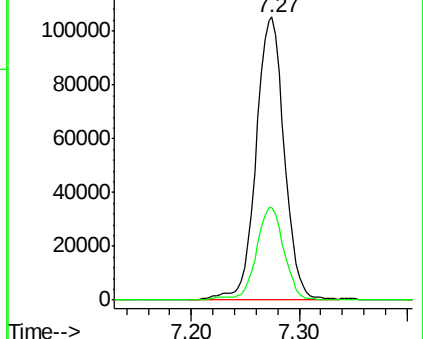
75 100

77 32.9 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 113.867 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

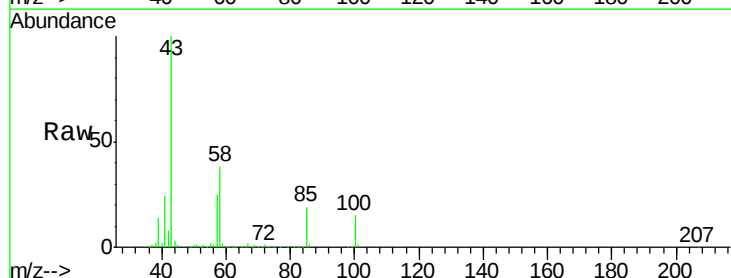
Tgt Ion: 43 Resp: 355920

Ion Ratio Lower Upper

43 100

58 38.0 30.8 46.2

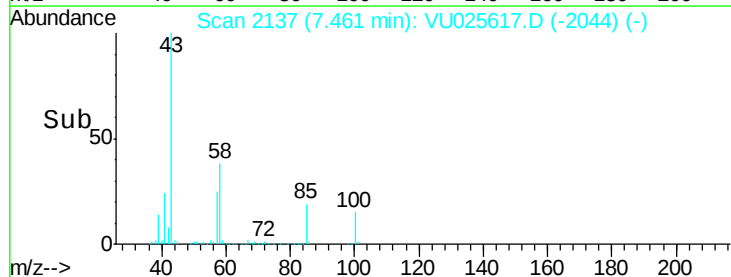
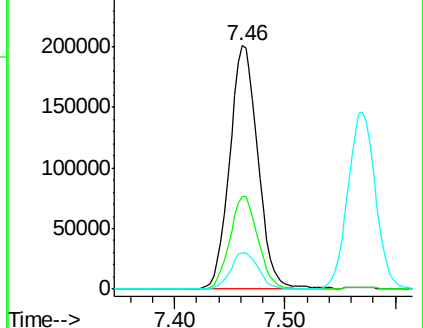
100 14.9 12.1 18.1

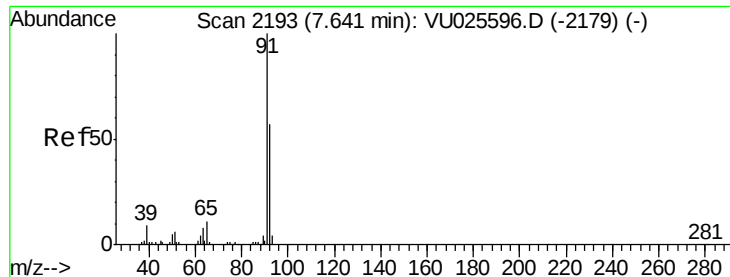


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 51.193 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

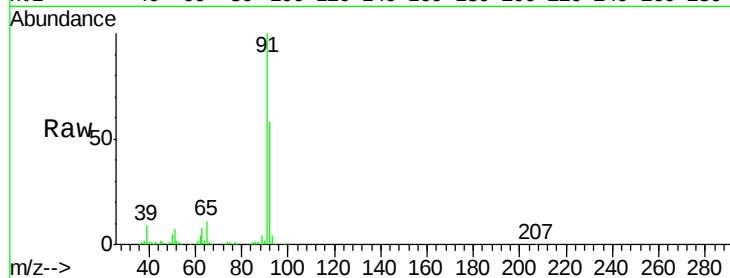
VSTD05065

Tot Ion: 91 Resp: 480873

Ion Ratio Lower Upper

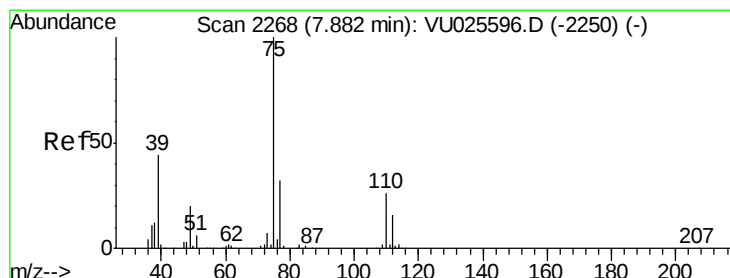
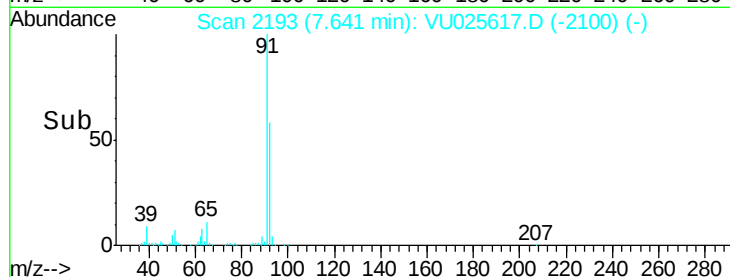
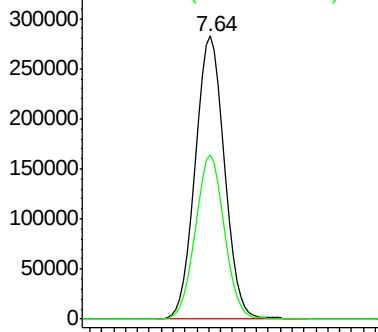
91 100

92 58.2 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 52.306 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025617.D

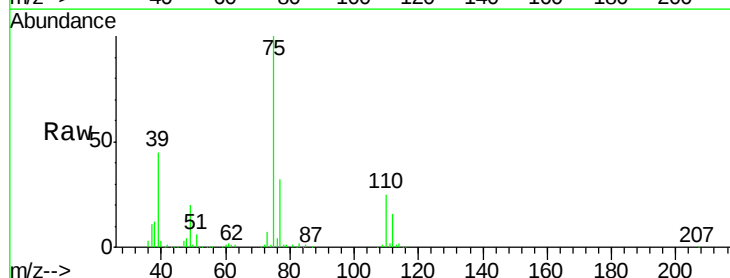
Acq: 23 Jul 2018 21:25

Tgt Ion: 75 Resp: 182171

Ion Ratio Lower Upper

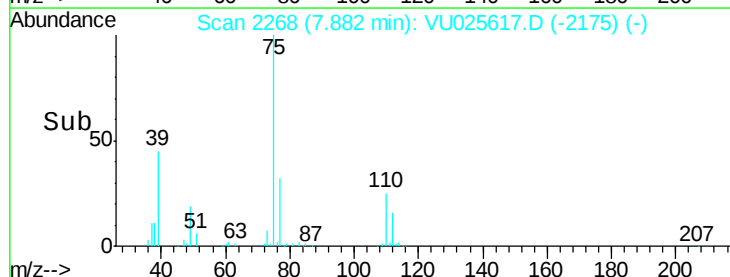
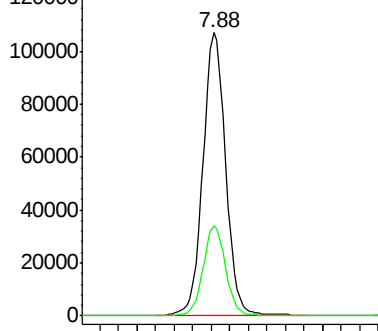
75 100

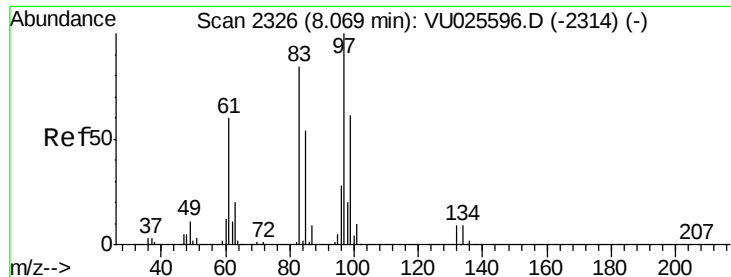
77 31.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

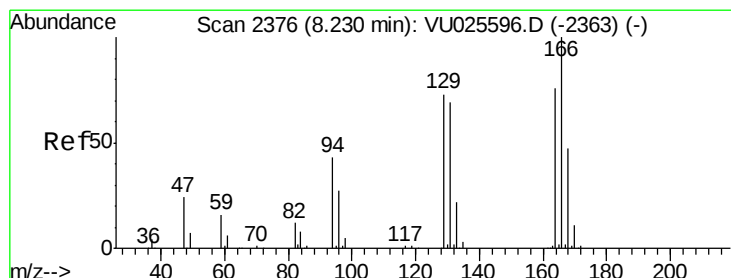
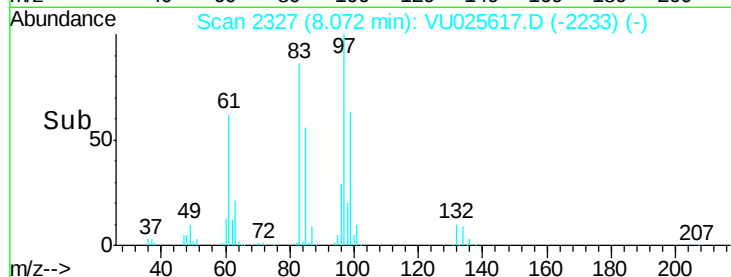
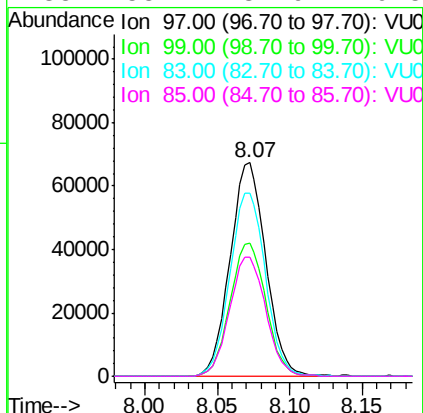
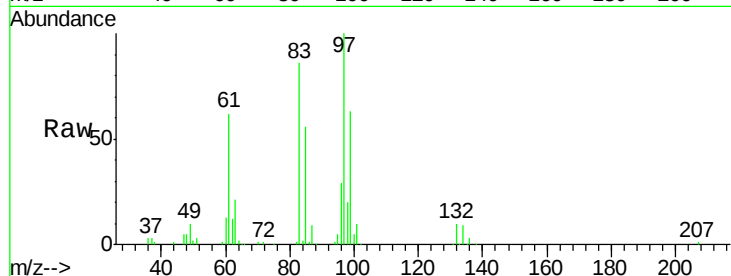




#45
 1,1,2-Trichloroethane
 Concen: 50.517 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

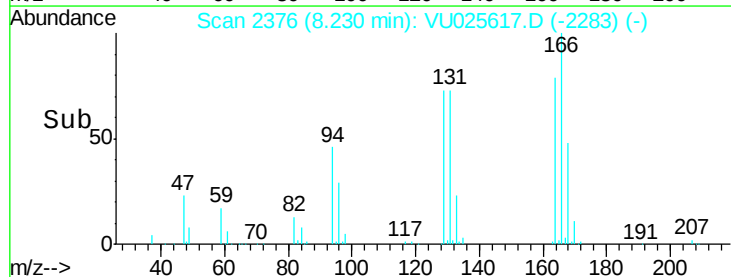
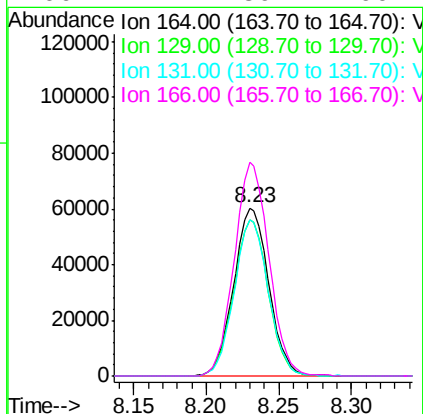
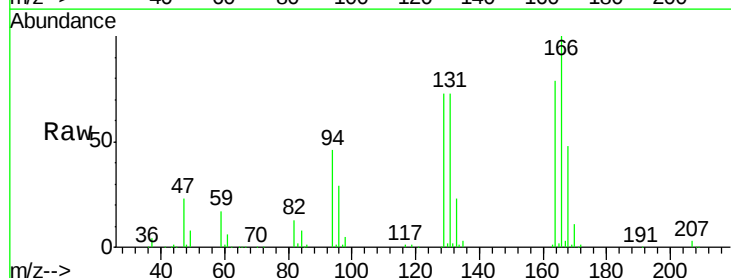
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05065

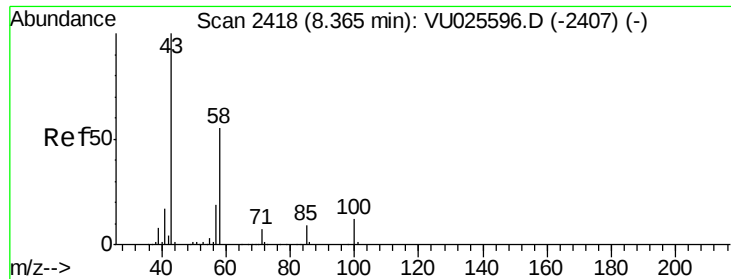
Tot Ion:	97	Resp:	115336
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.3	82.3
83	85.9	59.8	111.1
85	55.7	37.9	70.5



#46
 Tetrachloroethene
 Concen: 50.604 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

Tgt Ion:	164	Resp:	101390
Ion	Ratio	Lower	Upper
164	100		
129	93.0	65.1	120.9
131	93.3	62.8	116.6
166	127.1	89.7	166.7

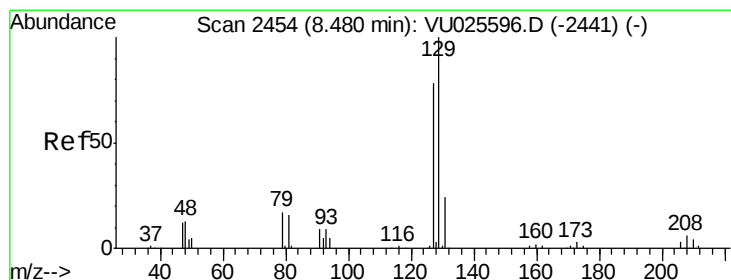
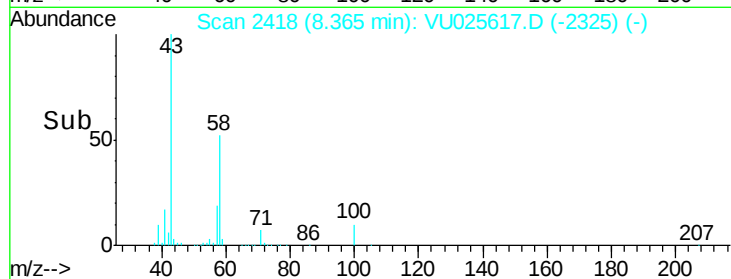
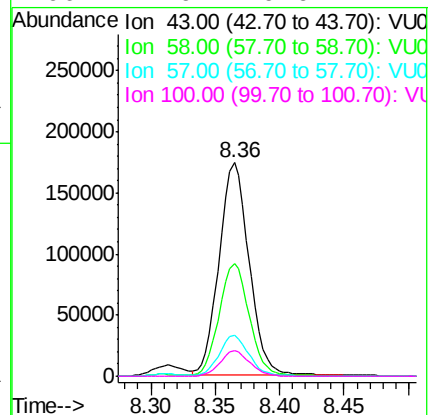
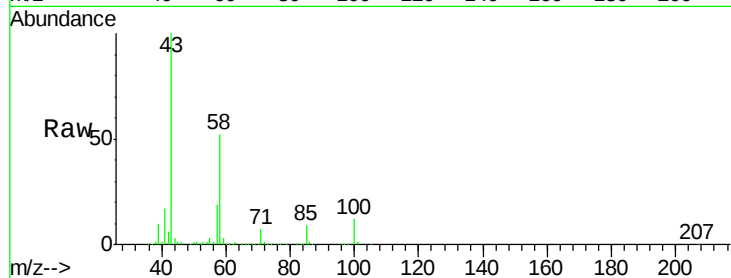




#48
2-Hexanone
Concen: 106.881 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025617.D
Acq: 23 Jul 2018 21:25

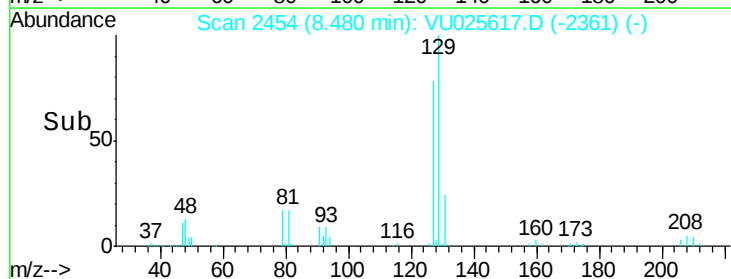
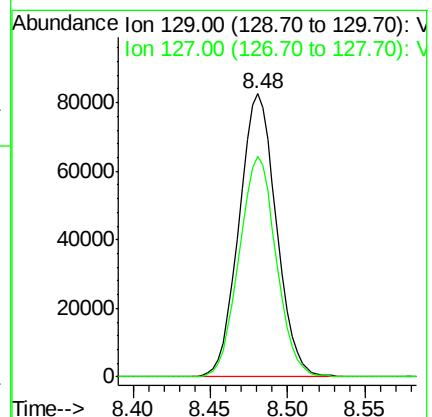
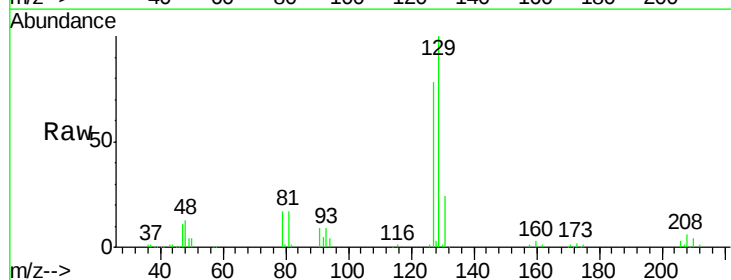
Instrument :
MSVOA_U
ClientSampleId :
VSTD05065

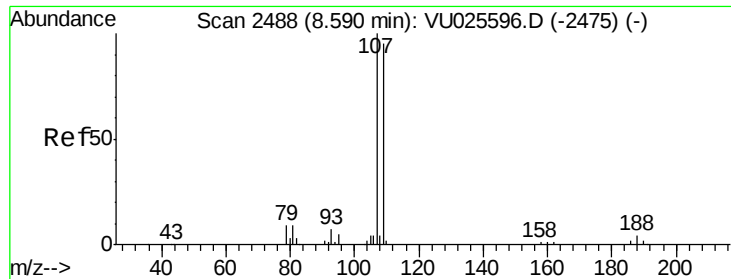
Tot Ion:	43	Resp:	282295
Ion	Ratio	Lower	Upper
43	100		
58	53.0	42.9	64.3
57	19.4	15.4	23.2
100	11.9	9.6	14.4



#49
Dibromochloromethane
Concen: 51.691 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025617.D
Acq: 23 Jul 2018 21:25

Tgt Ion:	129	Resp:	138438
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.8	100.0

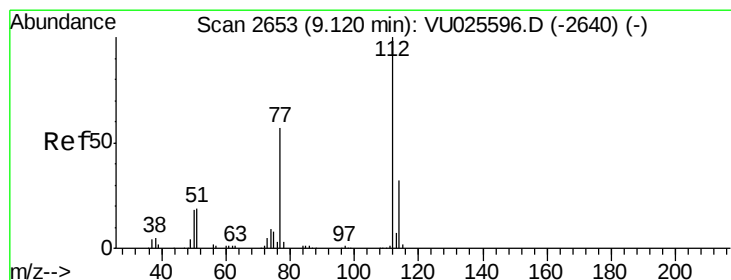
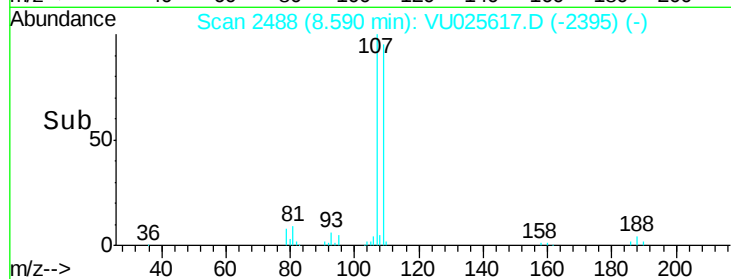
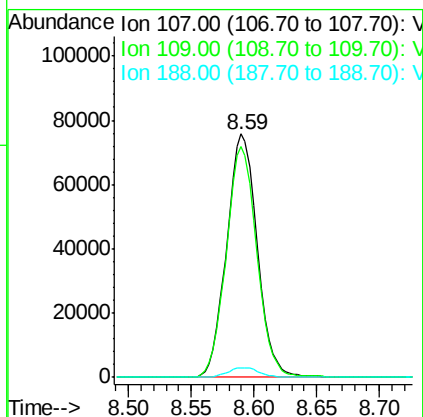
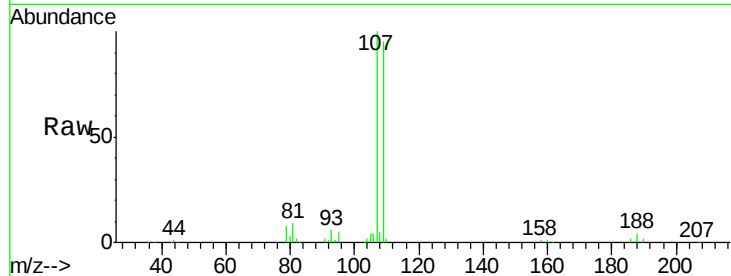




#50
 1,2-Dibromoethane
 Concen: 52.158 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

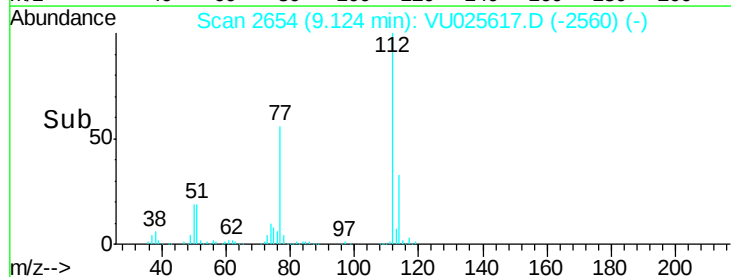
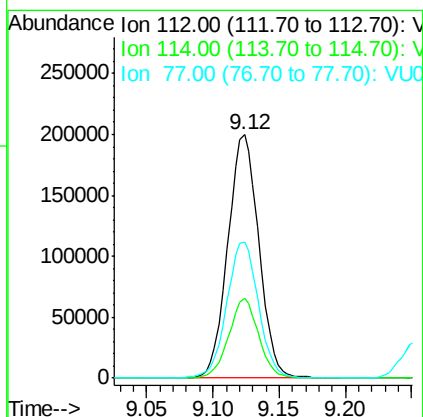
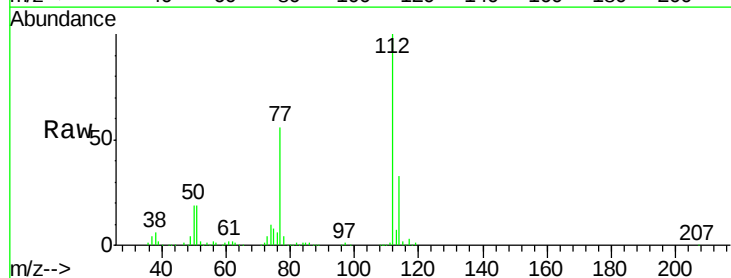
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05065

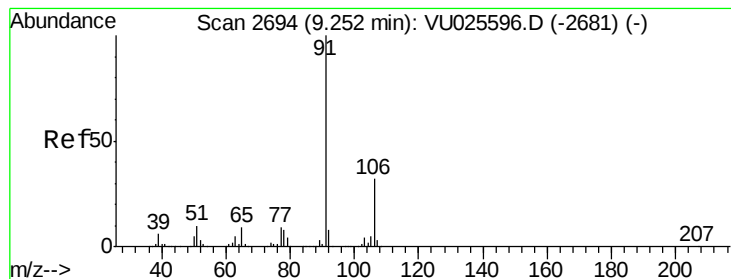
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	66.6	123.8
188	4.0	3.2	4.8



#51
 Chlorobenzene
 Concen: 51.420 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.5	41.9
77	56.1	45.8	68.8





#52

Ethylbenzene

Concen: 52.363 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

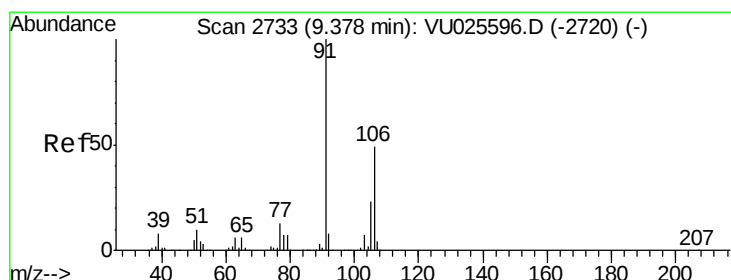
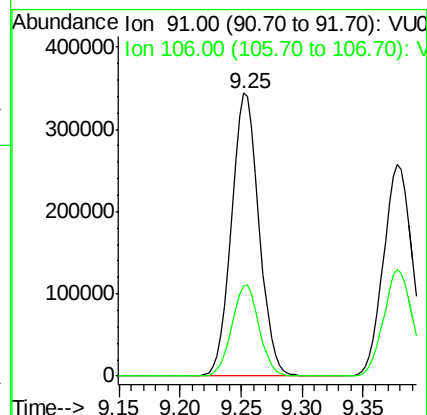
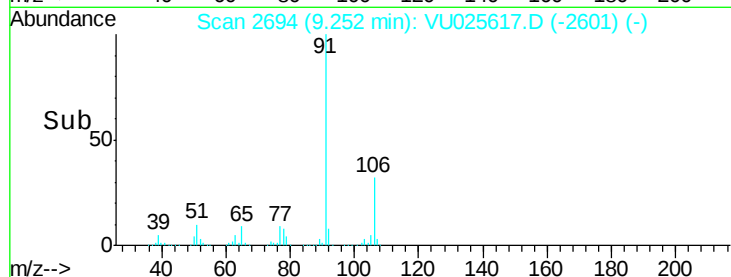
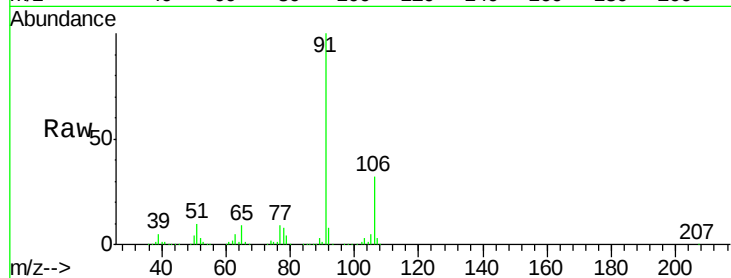
VSTD05065

Tot Ion: 91 Resp: 542878

Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.5



#53

m,p-Xylene

Concen: 53.389 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025617.D

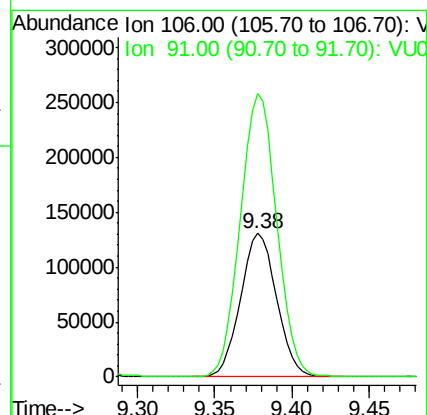
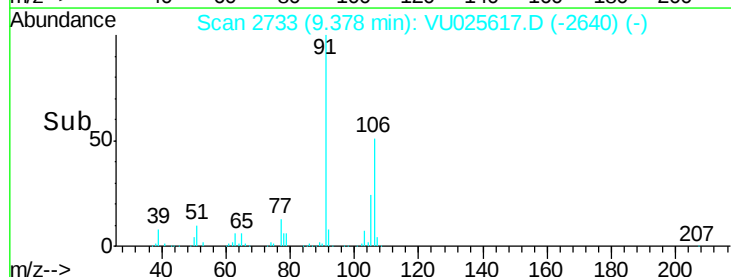
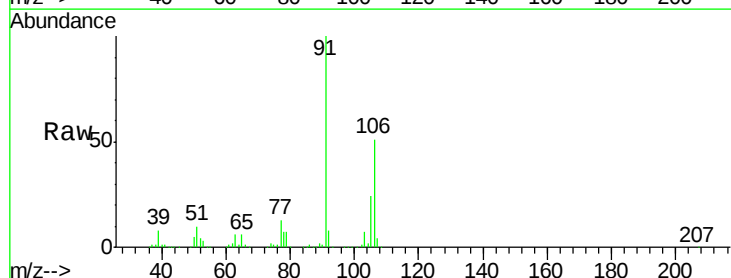
Acq: 23 Jul 2018 21:25

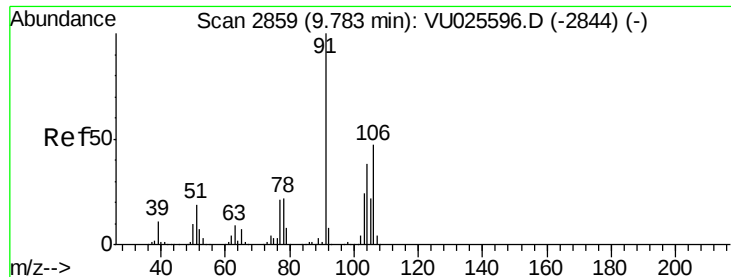
Tgt Ion: 106 Resp: 212016

Ion Ratio Lower Upper

106 100

91 197.5 141.7 263.3

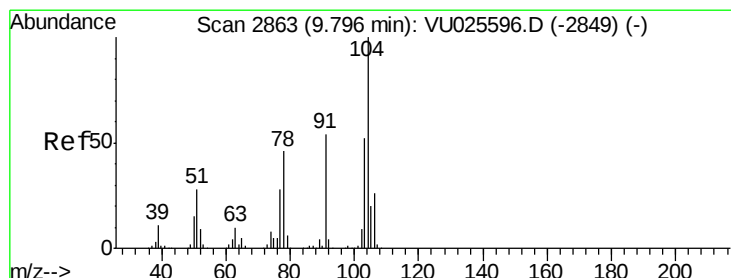
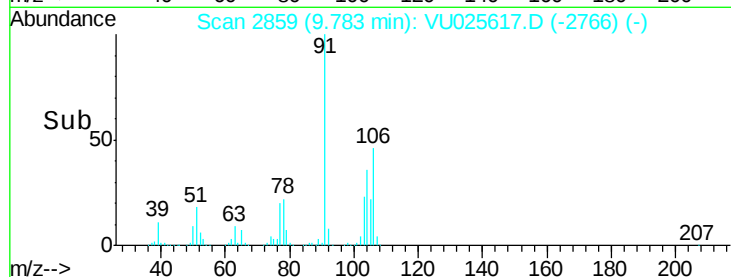
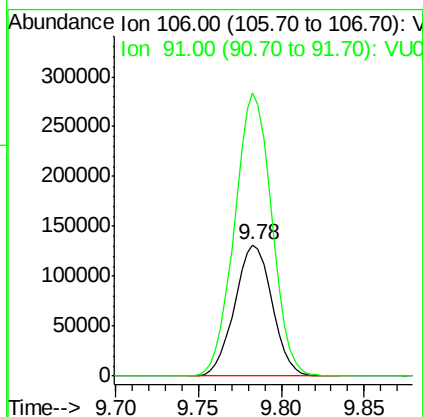
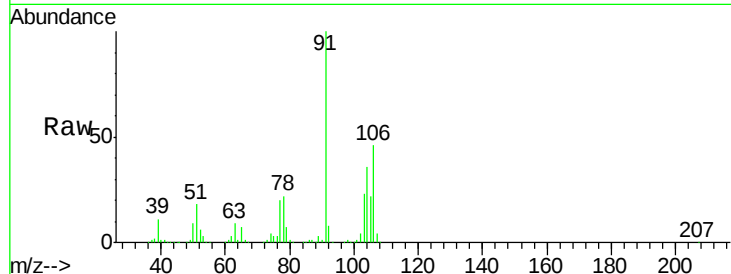




#54
o-xylene
Concen: 51.248 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025617.D
Acq: 23 Jul 2018 21:25

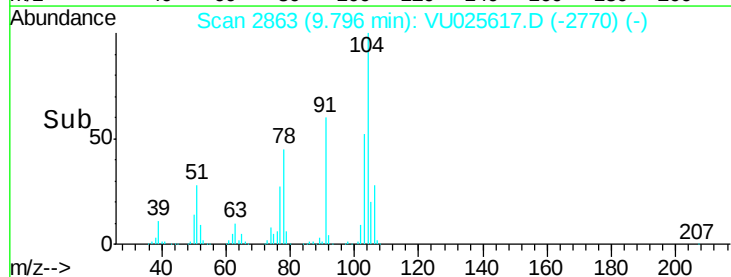
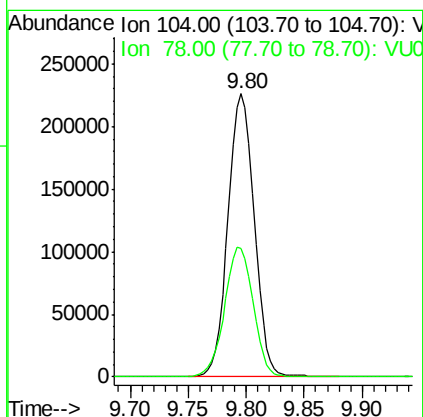
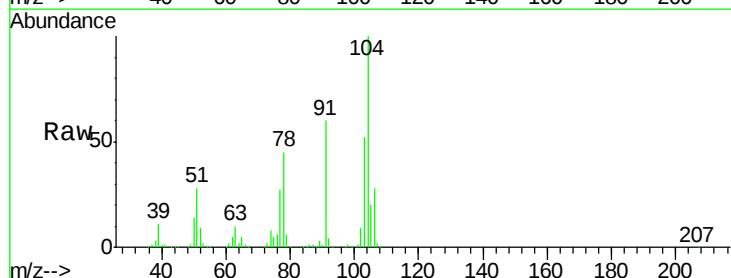
Instrument :
MSVOA_U
ClientSampleId :
VSTD05065

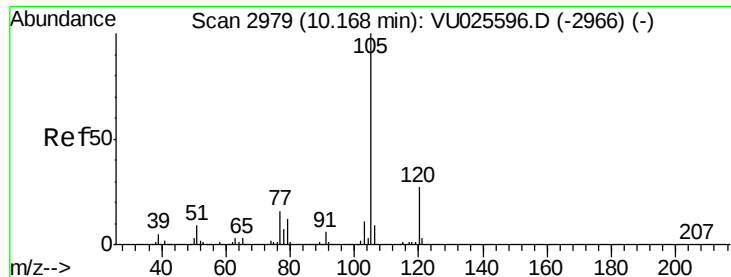
Tot Ion:106 Resp: 206507
Ion Ratio Lower Upper
106 100
91 215.4 150.6 279.6



#55
Styrene
Concen: 54.220 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025617.D
Acq: 23 Jul 2018 21:25

Tgt Ion:104 Resp: 355838
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0





#56

Isopropylbenzene

Concen: 52.932 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05065

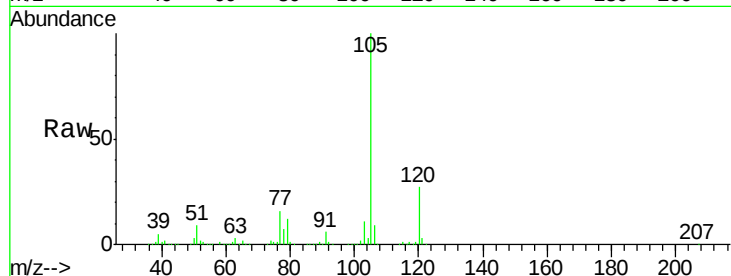
Tot Ion:105 Resp: 550443

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

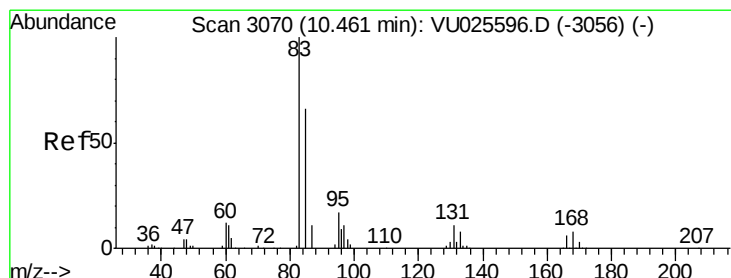
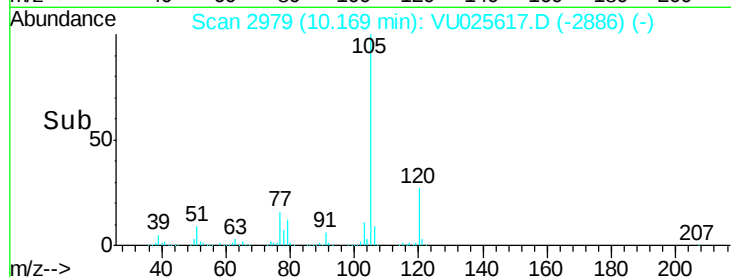
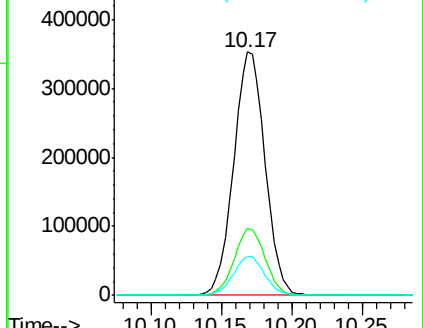
77 15.8 12.4 18.6



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: 52.791 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

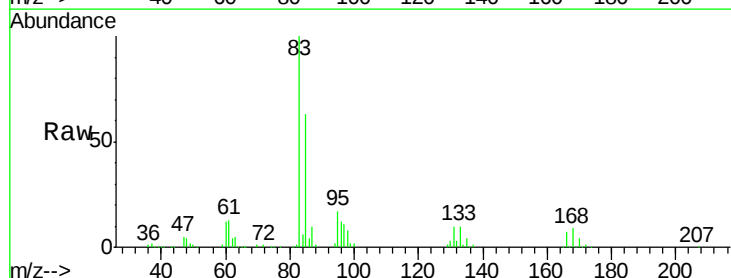
Tgt Ion: 83 Resp: 194414

Ion Ratio Lower Upper

83 100

85 62.6 45.1 83.7

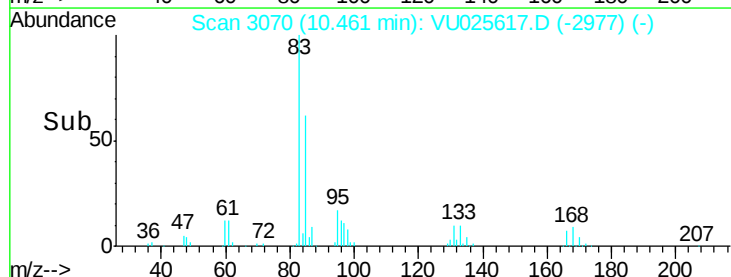
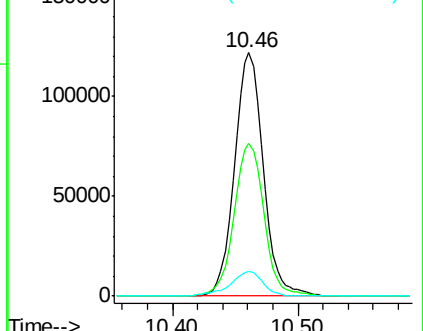
131 10.2 8.7 13.1

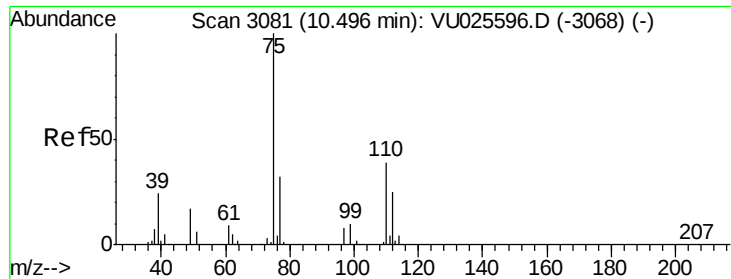


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

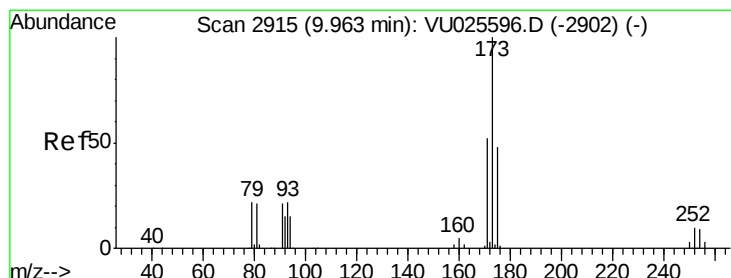
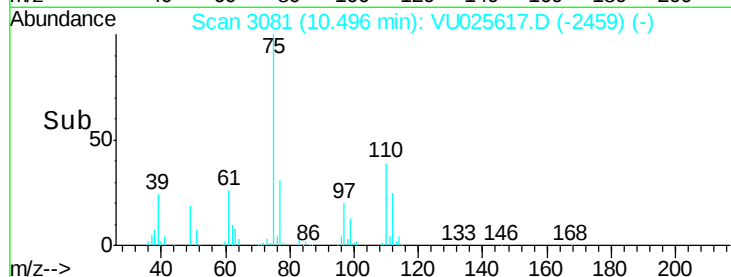
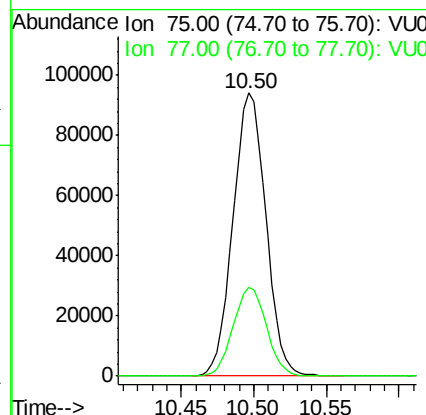
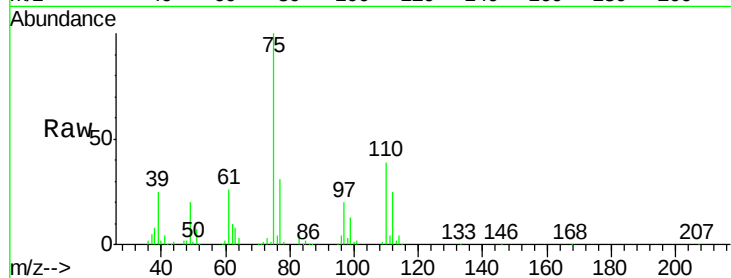




#59
 1,2,3-Trichloropropane
 Concen: 53.030 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

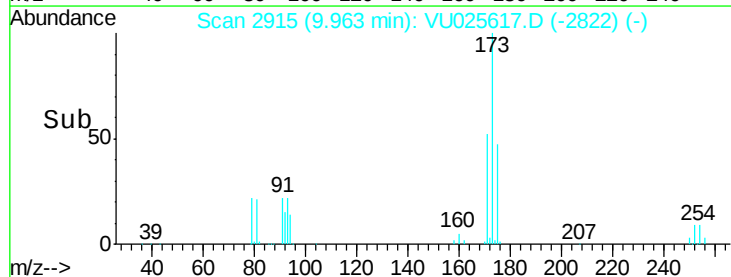
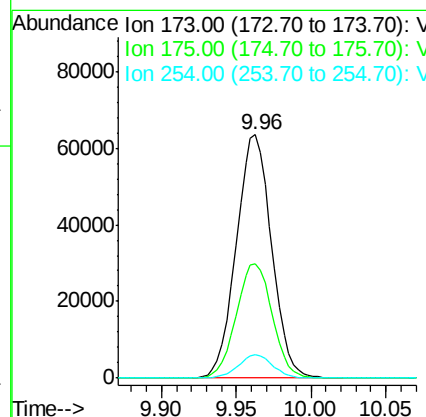
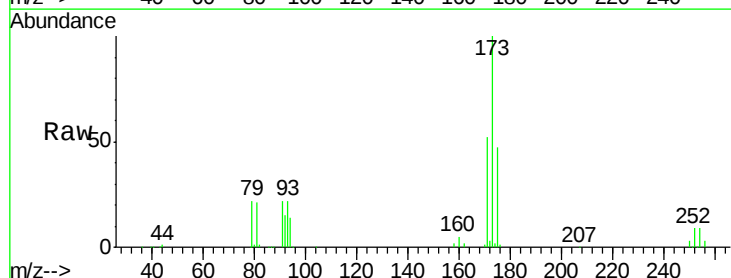
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05065

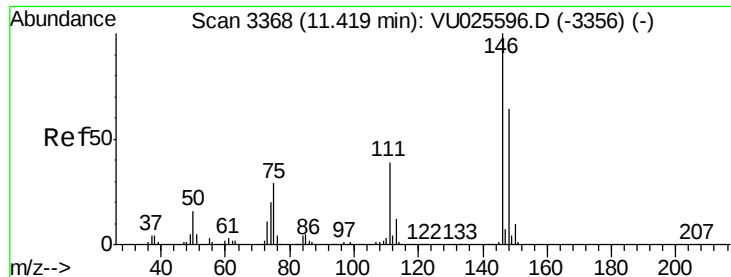
Tot Ion: 75 Resp: 148259
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8



#61
 Bromoform
 Concen: 49.232 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

Tgt Ion:173 Resp: 104441
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.8 59.8
 254 9.3 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 51.741 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05065

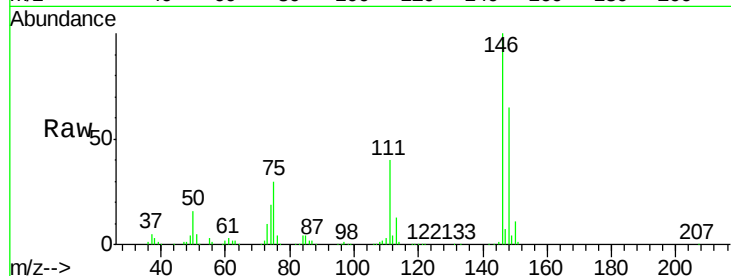
Tot Ion:146 Resp: 268424

Ion Ratio Lower Upper

146 100

111 40.4 27.7 51.5

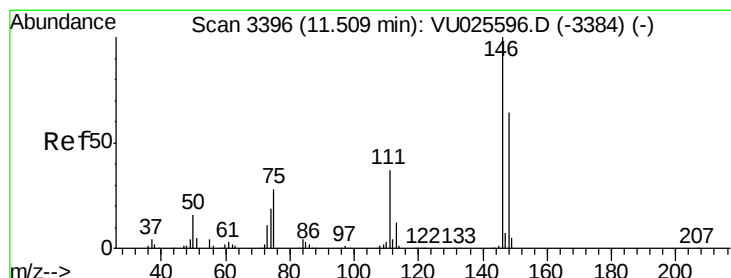
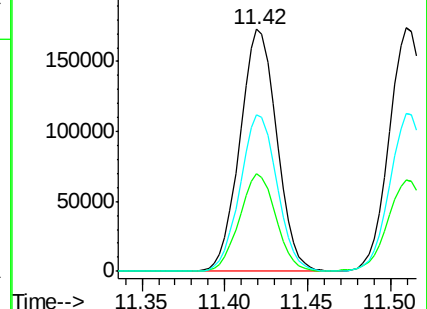
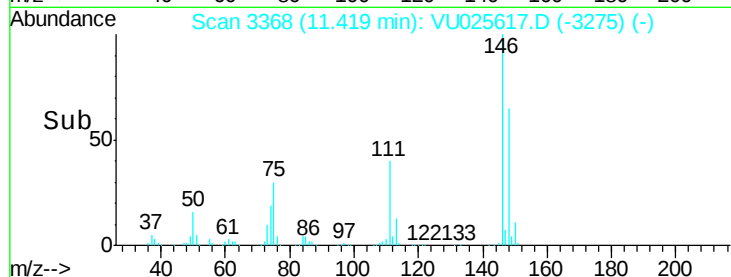
148 64.7 45.5 84.5



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: 51.628 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

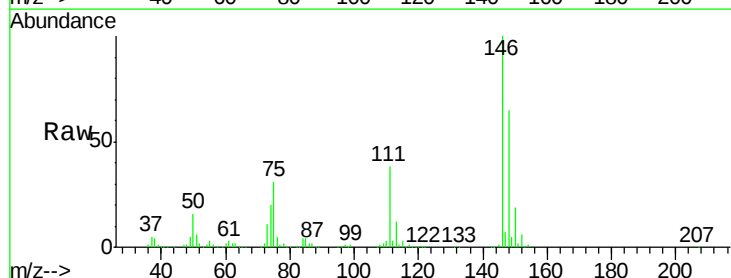
Tgt Ion:146 Resp: 273398

Ion Ratio Lower Upper

146 100

111 37.5 26.9 49.9

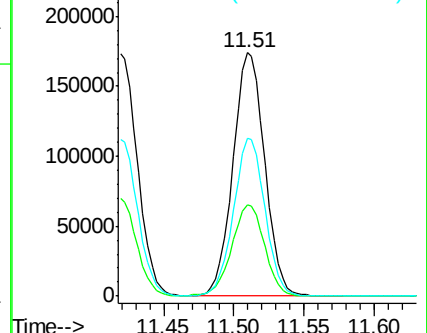
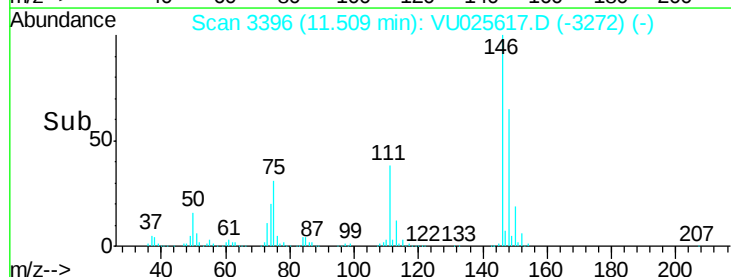
148 64.8 44.6 82.8

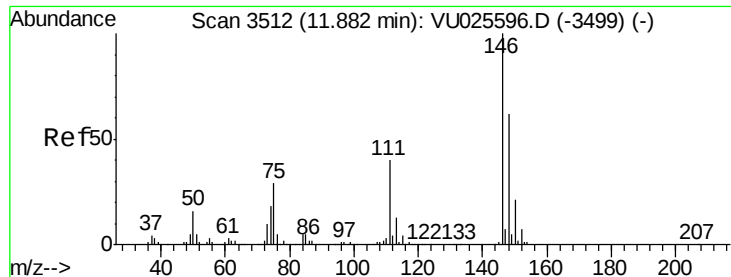


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

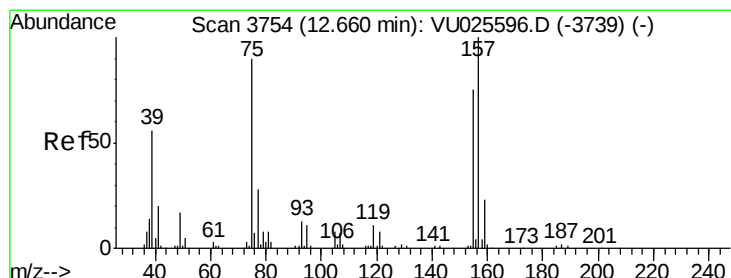
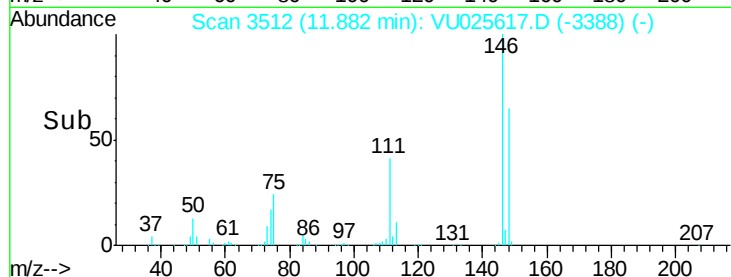
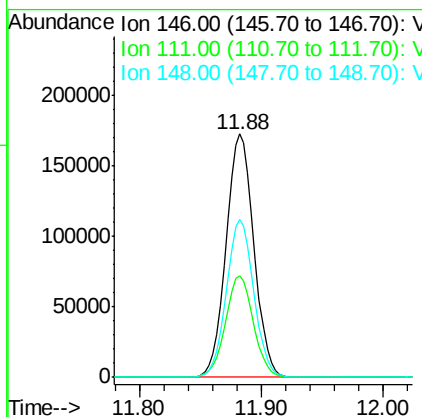
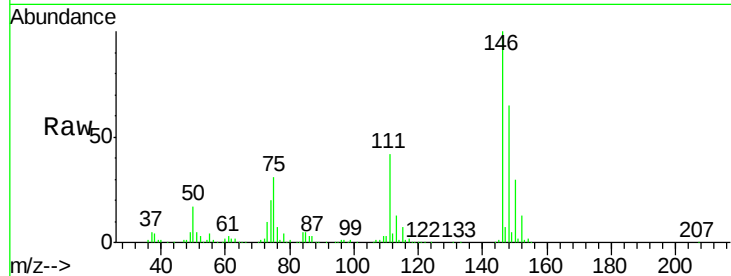




#65
 1,2-Dichlorobenzene
 Concen: 50.544 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

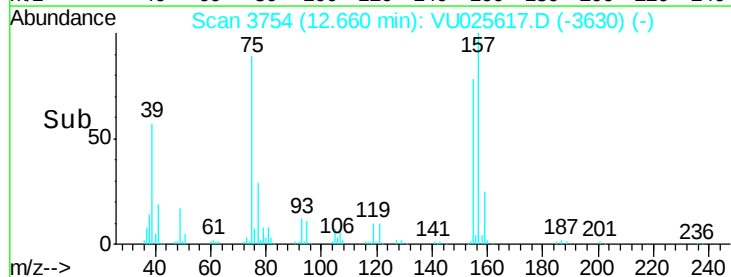
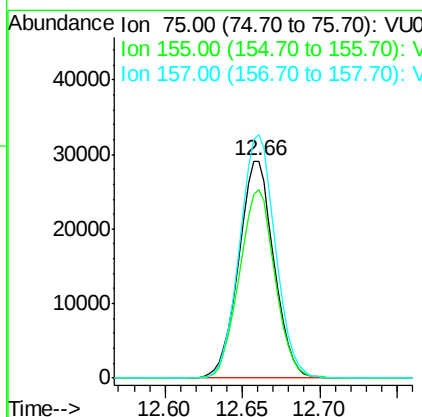
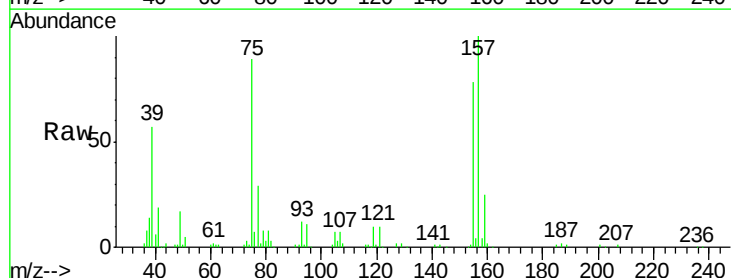
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05065

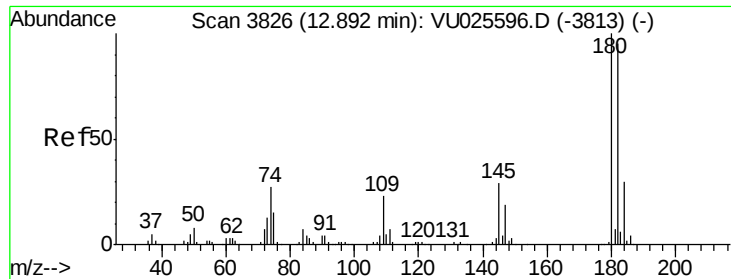
Tot Ion:146 Resp: 274704
 Ion Ratio Lower Upper
 146 100
 111 42.0 32.4 48.6
 148 65.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.039 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

Tgt Ion: 75 Resp: 46190
 Ion Ratio Lower Upper
 75 100
 155 86.9 66.3 99.5
 157 112.0 91.5 137.3

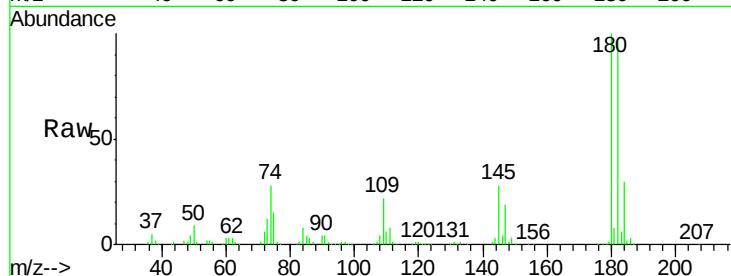




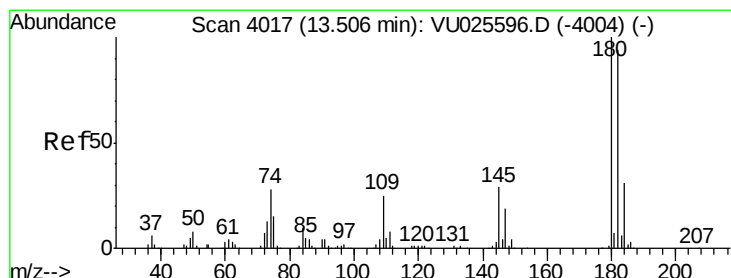
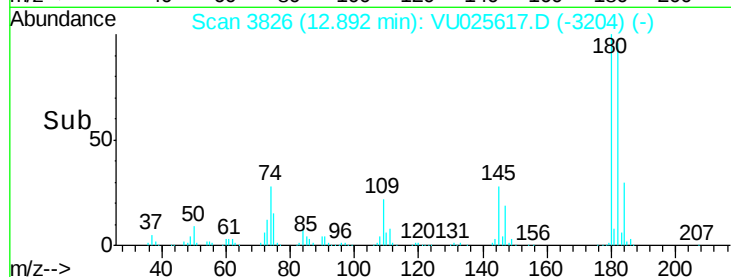
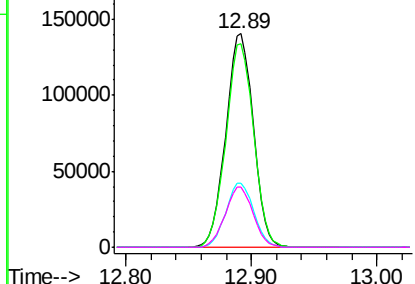
#67
 1,3,5-Trichlorobenzene
 Concen: 53.366 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05065

Tot Ion:180 Resp: 213699
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.3 115.9
 184 30.3 24.6 36.8
 145 28.5 23.0 34.6

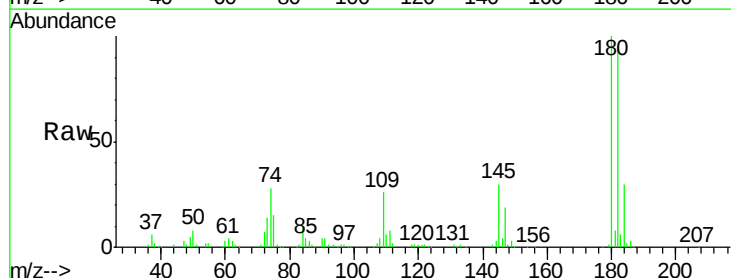


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

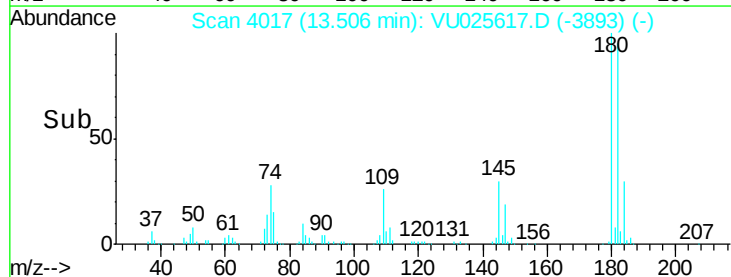
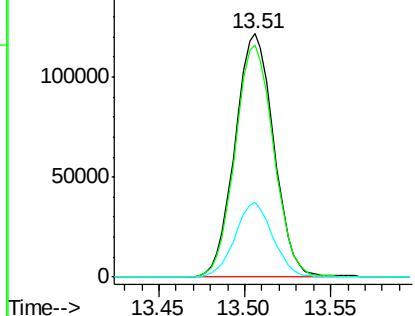


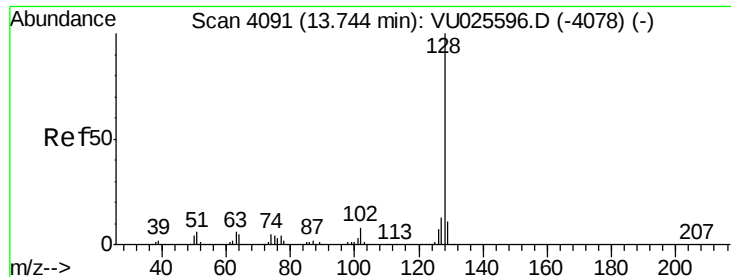
#68
 1,2,4-trichlorobenzene
 Concen: 56.591 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025617.D
 Acq: 23 Jul 2018 21:25

Tgt Ion:180 Resp: 190457
 Ion Ratio Lower Upper
 180 100
 182 95.1 78.1 117.1
 145 30.0 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: 60.405 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05065

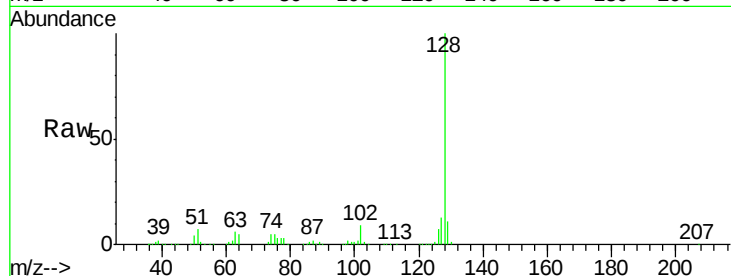
Tot Ion:128 Resp: 611351

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

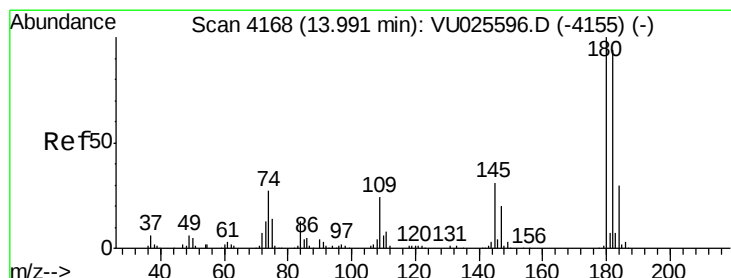
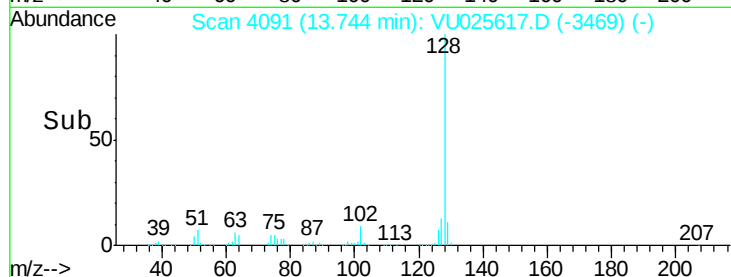
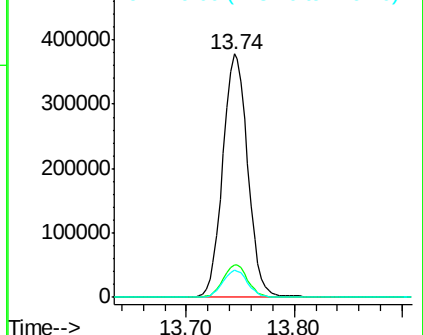
129 11.0 8.4 12.6



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: 55.387 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025617.D

Acq: 23 Jul 2018 21:25

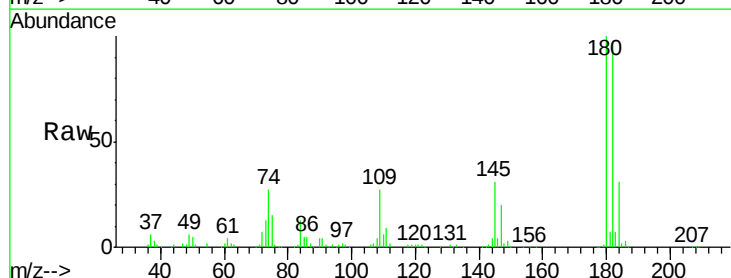
Tgt Ion:180 Resp: 197050

Ion Ratio Lower Upper

180 100

182 97.0 76.6 114.8

145 30.8 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

