

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090618\
 Data File : VU026608.D
 Acq On : 07 Sep 2018 03:24
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Sep 07 05:31:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 05:26:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	170482	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	161568	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	79181	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64309	60.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	121.76%
7) Chloroethane-d5	1.68	69	54423	57.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.10%
11) 1,1-Dichloroethene-d2	2.27	63	118267	49.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.44%
21) 2-Butanone-d5	4.18	46	93687	114.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.28%
24) Chloroform-d	4.65	84	108756	54.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.02%
26) 1,2-Dichloroethane-d4	5.31	65	70281	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.82%
32) Benzene-d6	5.34	84	215691	57.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.84%
36) 1,2-Dichloropropane-d6	6.33	67	72068	56.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.68%
41) Toluene-d8	7.57	98	202120	56.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.46%
43) trans-1,3-Dichloropropene-	7.85	79	30565	52.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.64%
47) 2-Hexanone-d5	8.31	63	69559	118.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	103034	54.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	80129	55.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	65062	48.944 ug/L	98
3) Chloromethane	1.33	50	80367	48.964 ug/L	100
5) Vinyl chloride	1.40	62	86020	48.342 ug/L	100
6) Bromomethane	1.62	94	41193	39.048 ug/L	100
8) Chloroethane	1.70	64	52317	48.969 ug/L	98
9) Trichlorofluoromethane	1.88	101	107759	47.623 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	58983	46.717 ug/L	97
12) 1,1-Dichloroethene	2.28	96	56417	46.362 ug/L	92
13) Acetone	2.32	43	69133	97.387 ug/L	100
14) Carbon disulfide	2.48	76	166931	48.474 ug/L	99
15) Methyl Acetate	2.62	43	76188	54.659 ug/L	98
16) Methylene chloride	2.70	84	67714	54.123 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	56569	51.394 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	186517	55.821 ug/L	99
19) 1,1-Dichloroethane	3.45	63	116816	54.012 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	67204	54.503 ug/L	98
22) 2-Butanone	4.26	43	106192	111.291 ug/L	100

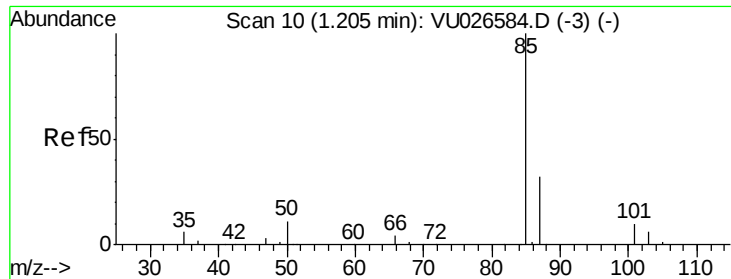
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090618\
 Data File : VU026608.D
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 05:26:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	33983	53.494	ug/L	97
25) Chloroform	4.67	83	118533	53.666	ug/L	98
27) 1,2-Dichloroethane	5.41	62	93248	52.346	ug/L	99
29) Cyclohexane	5.00	56	98961	56.216	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	97241	54.692	ug/L	98
31) Carbon tetrachloride	5.14	117	88547	54.812	ug/L	99
33) Benzene	5.39	78	258694	55.850	ug/L	100
34) Trichloroethene	6.19	95	62440	53.742	ug/L	99
35) Methylcyclohexane	6.42	83	98825	54.474	ug/L	99
37) 1,2-Dichloropropane	6.43	63	74462	58.069	ug/L	100
38) Bromodichloromethane	6.76	83	89169	54.530	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	96488	52.808	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	203650	117.761	ug/L	100
42) Toluene	7.64	91	268060	55.462	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	90221	51.806	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	64823	55.182	ug/L	99
46) Tetrachloroethene	8.23	164	51243	53.946	ug/L	95
48) 2-Hexanone	8.36	43	162007	118.947	ug/L	100
49) Dibromochloromethane	8.48	129	72804	55.003	ug/L	99
50) 1,2-Dibromoethane	8.59	107	68367	54.654	ug/L	95
51) Chlorobenzene	9.12	112	172106	53.249	ug/L	99
52) Ethylbenzene	9.25	91	288048	54.797	ug/L	100
53) m,p-Xylene	9.38	106	108893	55.479	ug/L	98
54) o-xylene	9.78	106	109167	57.033	ug/L	96
55) Styrene	9.79	104	187576	56.098	ug/L	98
56) Isopropylbenzene	10.17	105	278350	55.554	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	114932	55.543	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	89016	55.633	ug/L	99
61) Bromoform	9.96	173	55744	57.041	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	125103	53.993	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	132495	54.064	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	137207	56.143	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	23914	58.194	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	97535	52.161	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	85977	52.644	ug/L	100
69) Naphthalene	13.74	128	297688	58.378	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	98745	55.063	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.944 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

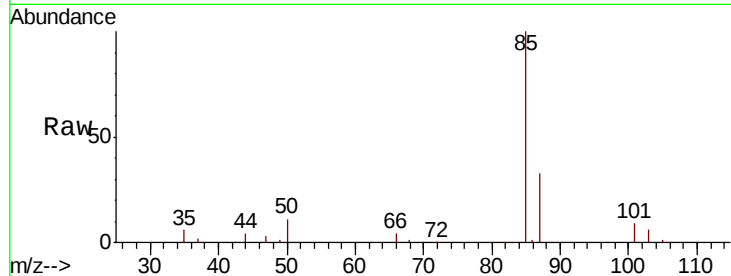
VSTD05042

Tgt Ion: 85 Resp: 65062

Ion Ratio Lower Upper

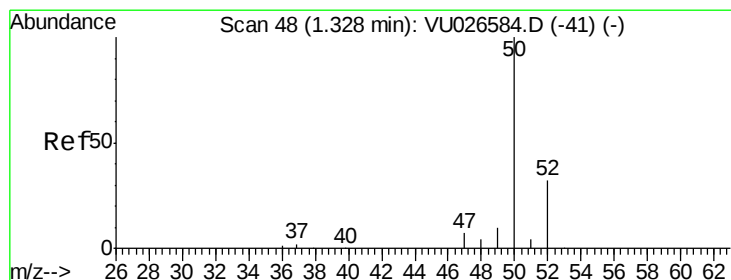
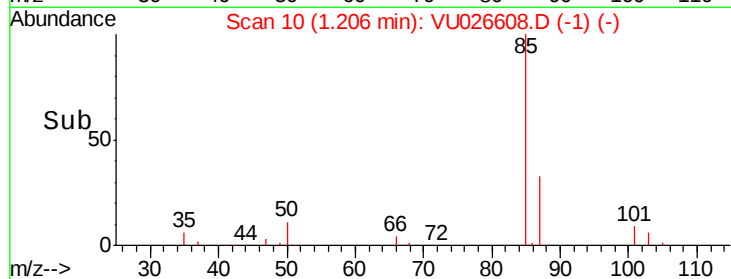
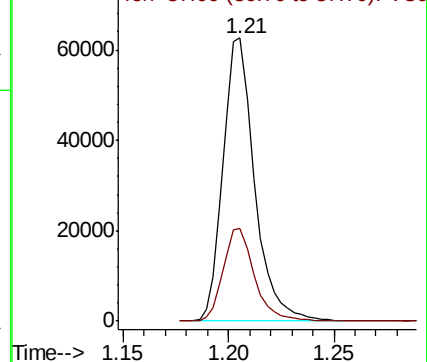
85 100

87 32.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 48.964 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026608.D

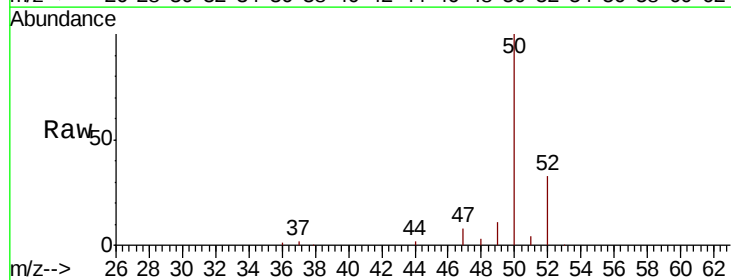
Acq: 07 Sep 2018 03:24

Tgt Ion: 50 Resp: 80367

Ion Ratio Lower Upper

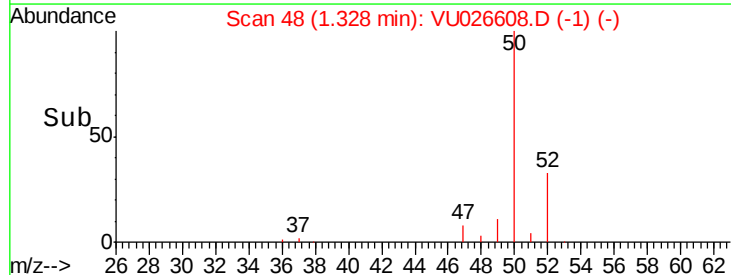
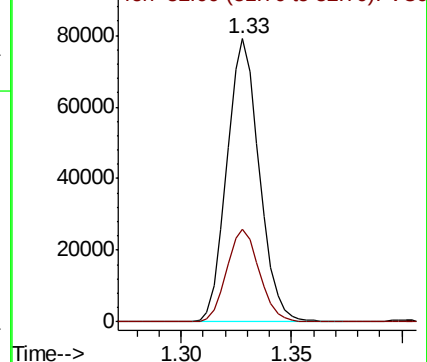
50 100

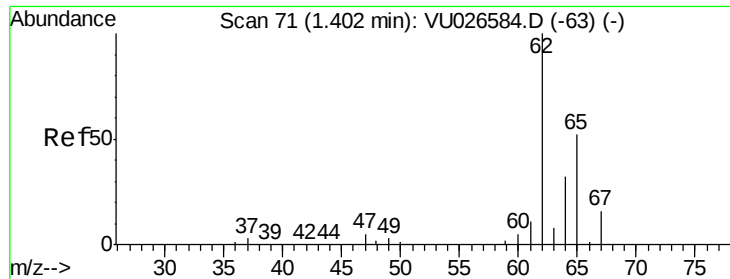
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.342 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

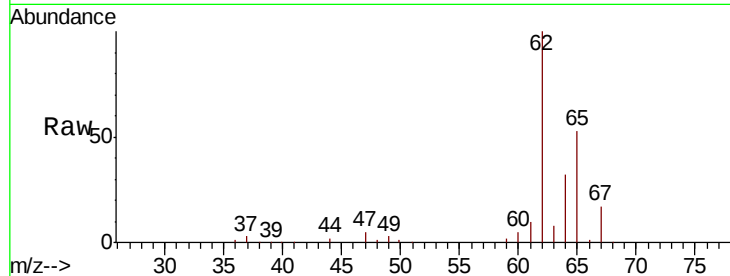
VSTD05042

Tgt Ion: 62 Resp: 86020

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

100000

80000

60000

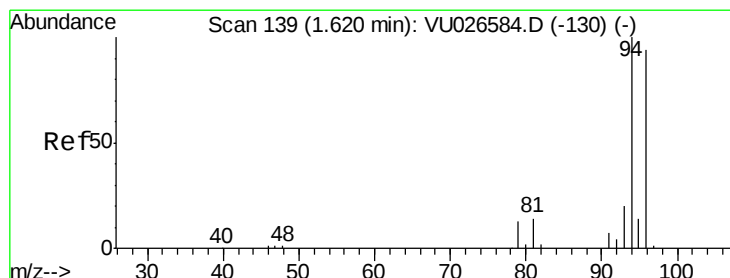
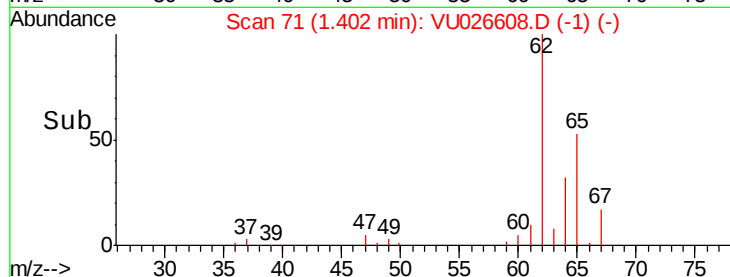
40000

20000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 39.048 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU026608.D

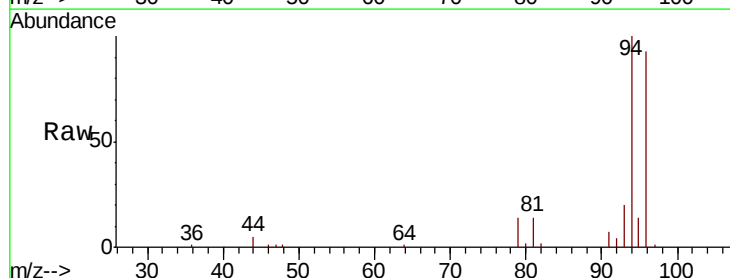
Acq: 07 Sep 2018 03:24

Tgt Ion: 94 Resp: 41193

Ion Ratio Lower Upper

94 100

96 93.3 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

30000

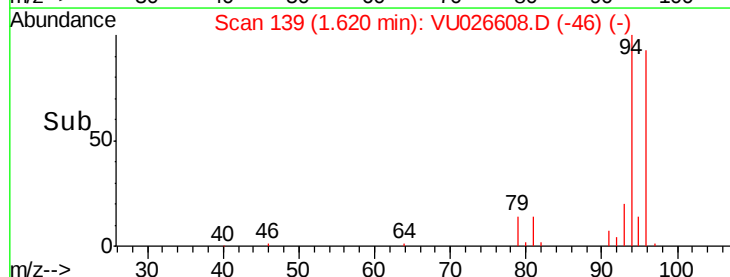
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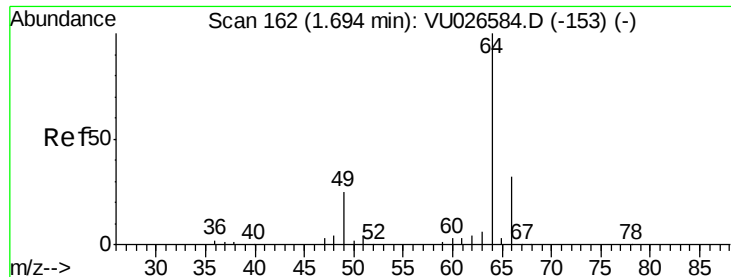
10000

0

1.60 1.65

Time-->





#8

Chloroethane

Concen: 48.969 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

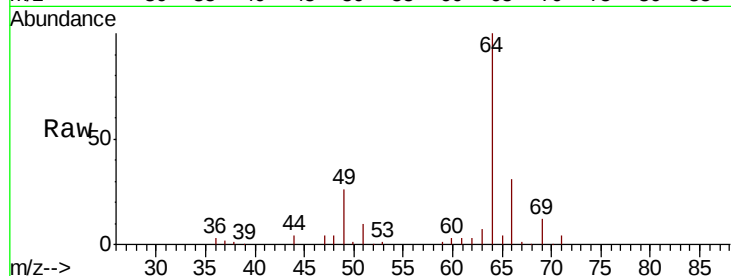
VSTD05042

Tgt Ion: 64 Resp: 52317

Ion Ratio Lower Upper

64 100

66 30.9 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026584.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VU026584.D (-153) (-)

1.70

40000

30000

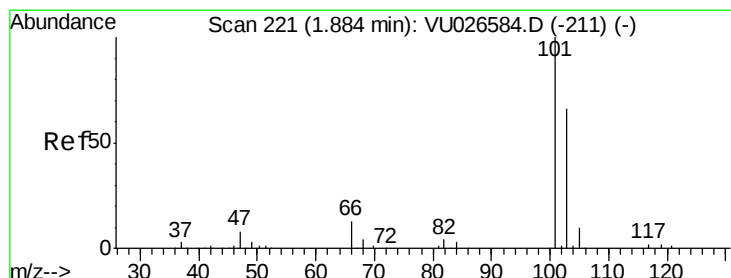
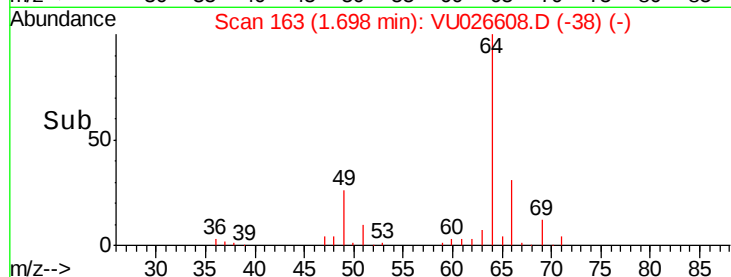
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 47.623 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU026608.D

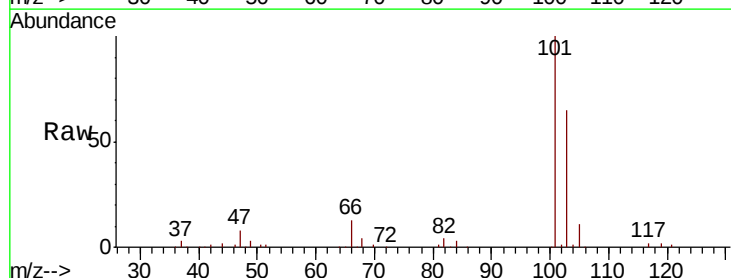
Acq: 07 Sep 2018 03:24

Tgt Ion: 101 Resp: 107759

Ion Ratio Lower Upper

101 100

103 65.2 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026584.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026584.D (-211) (-)

1.88

80000

60000

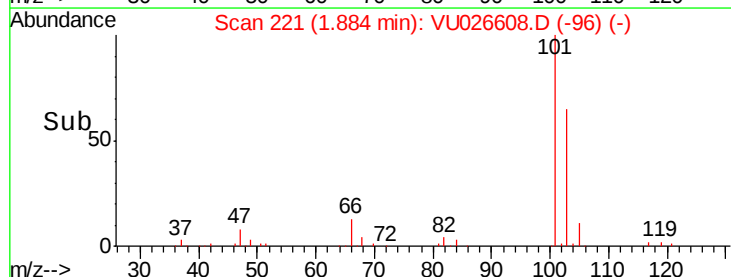
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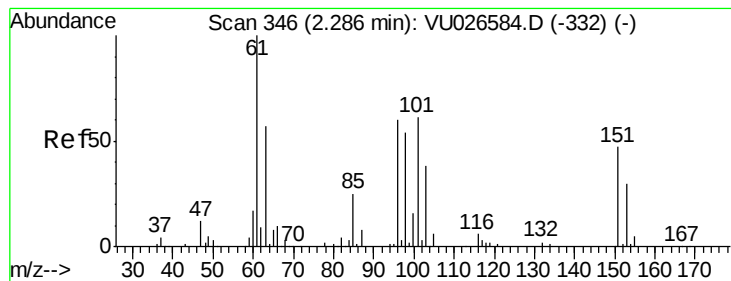
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 46.717 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

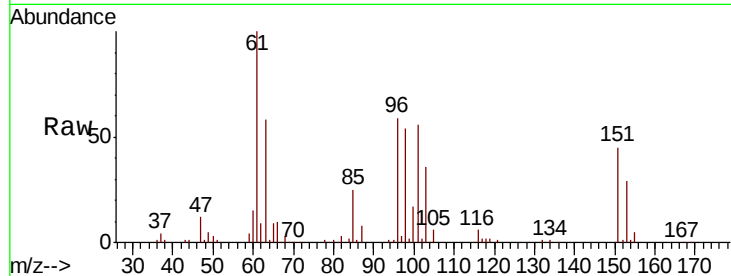
Tgt Ion: 101 Resp: 58983

Ion Ratio Lower Upper

101 100

85 43.4 35.3 52.9

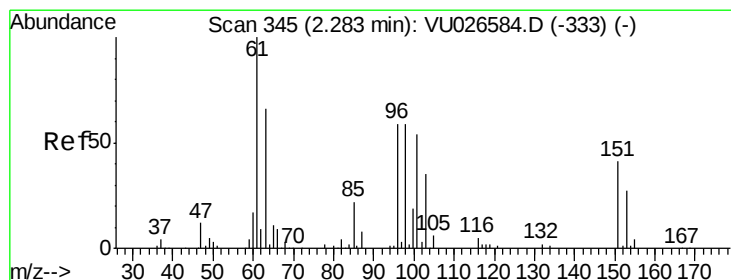
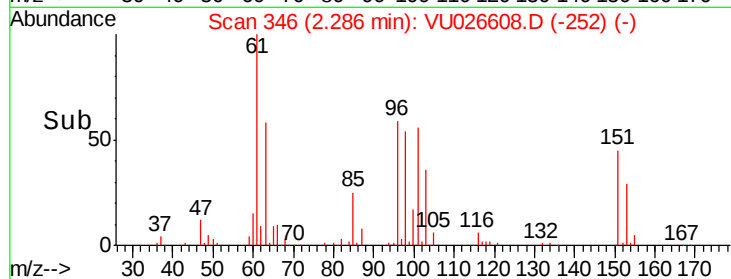
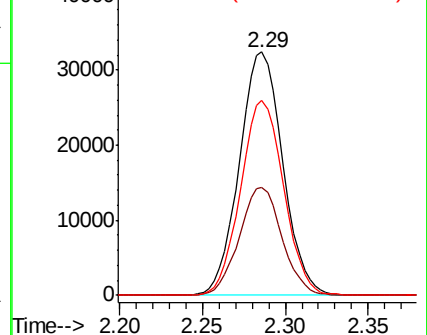
151 79.5 60.7 91.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.362 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

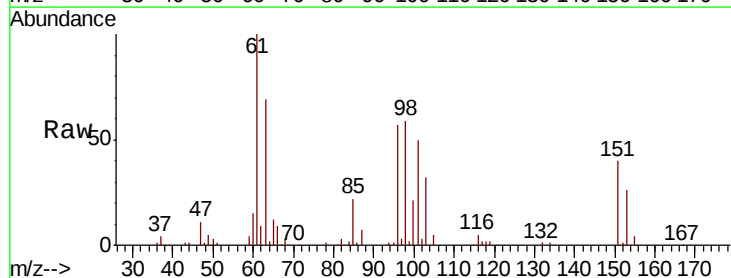
Tgt Ion: 96 Resp: 56417

Ion Ratio Lower Upper

96 100

61 174.5 129.3 240.1

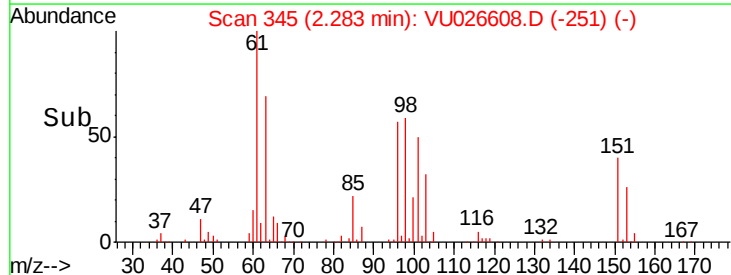
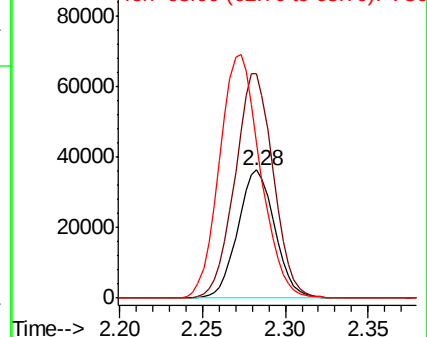
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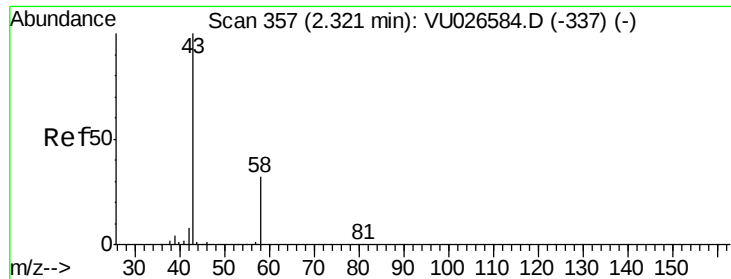


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.387 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

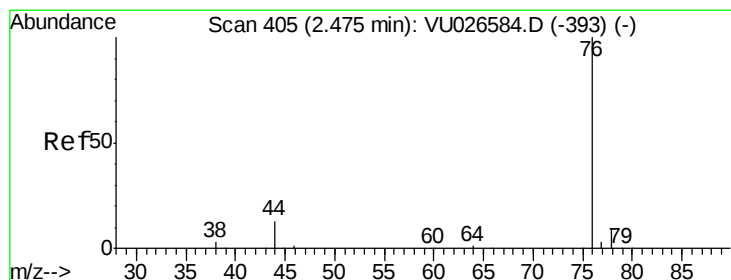
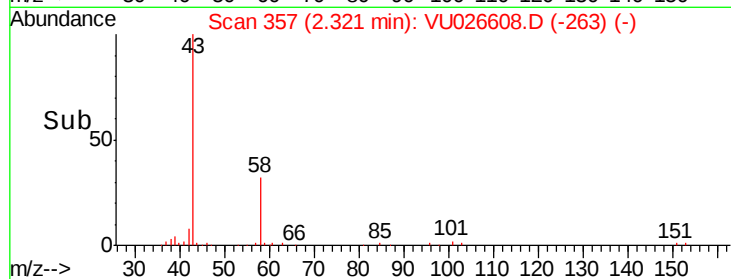
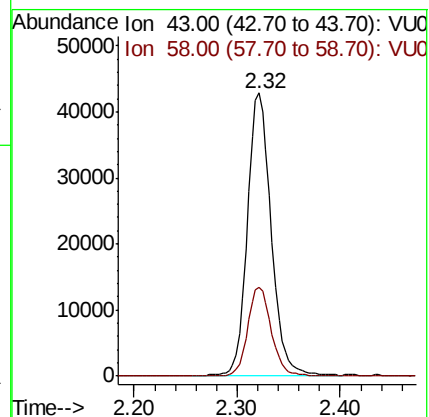
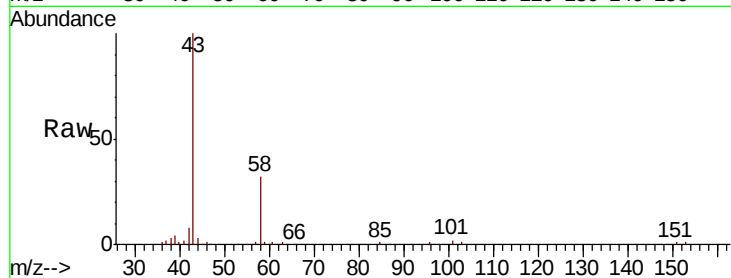
VSTD05042

Tgt Ion: 43 Resp: 69133

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.2



#14

Carbon disulfide

Concen: 48.474 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026608.D

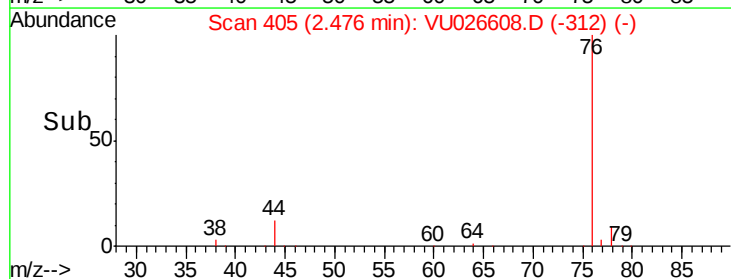
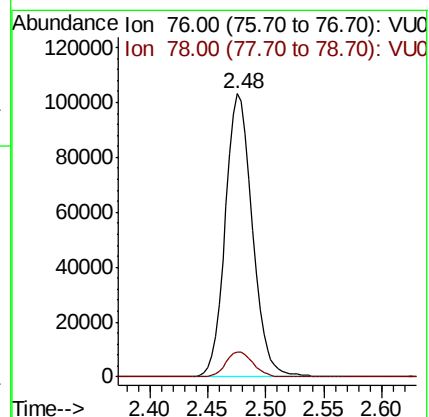
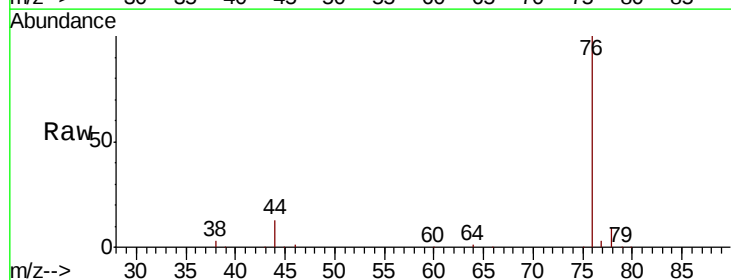
Acq: 07 Sep 2018 03:24

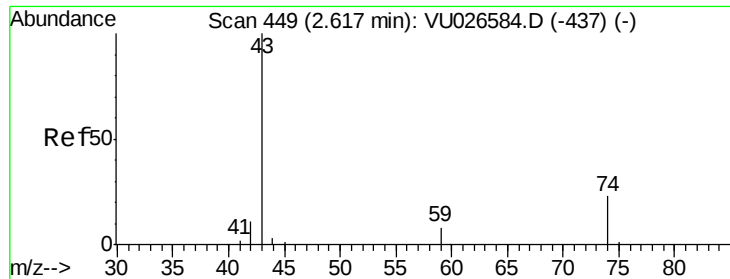
Tgt Ion: 76 Resp: 166931

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

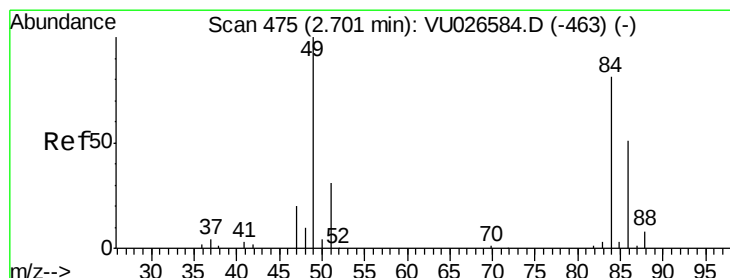
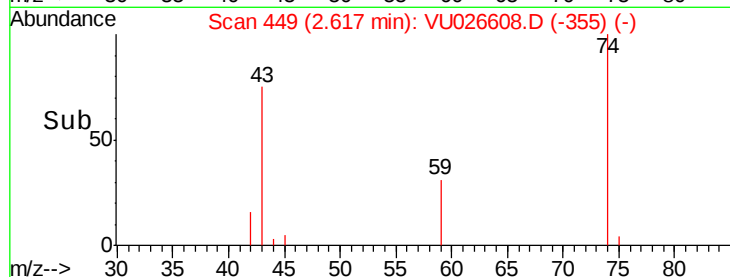
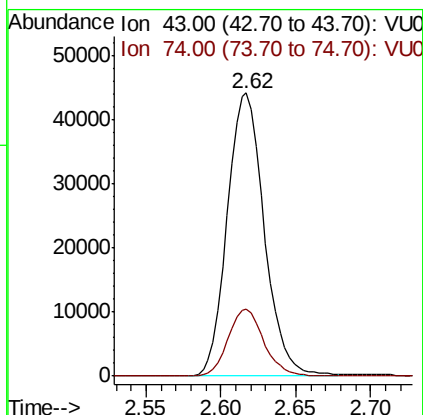
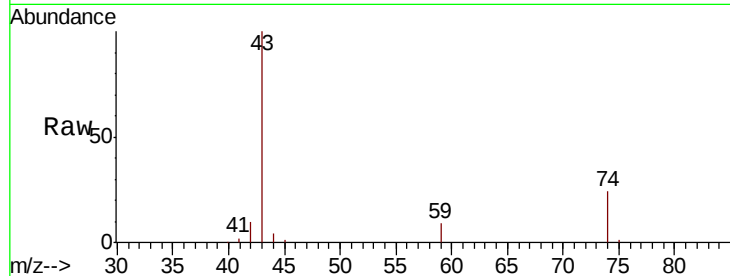




#15
Methyl Acetate
Concen: 54.659 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026608.D
Acq: 07 Sep 2018 03:24

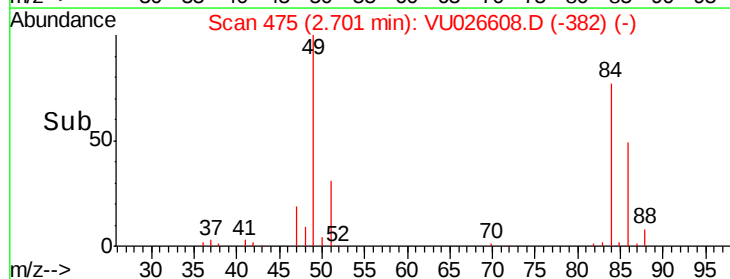
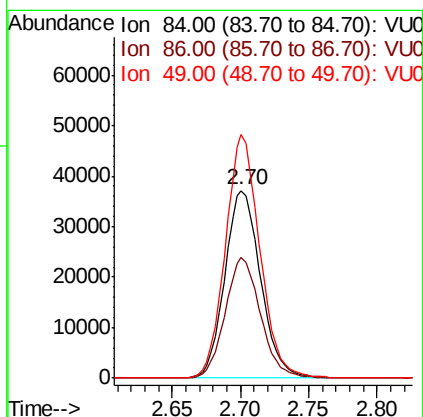
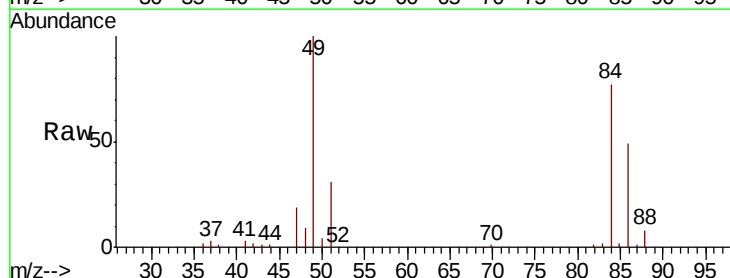
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

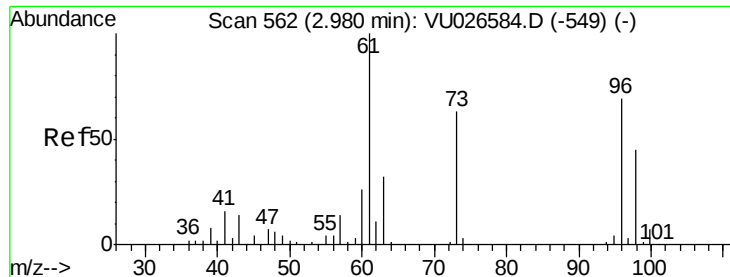
Tgt Ion: 43 Resp: 76188
Ion Ratio Lower Upper
43 100
74 23.0 17.8 26.6



#16
Methylene chloride
Concen: 54.123 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026608.D
Acq: 07 Sep 2018 03:24

Tgt Ion: 84 Resp: 67714
Ion Ratio Lower Upper
84 100
86 64.1 46.2 85.8
49 129.6 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 51.394 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

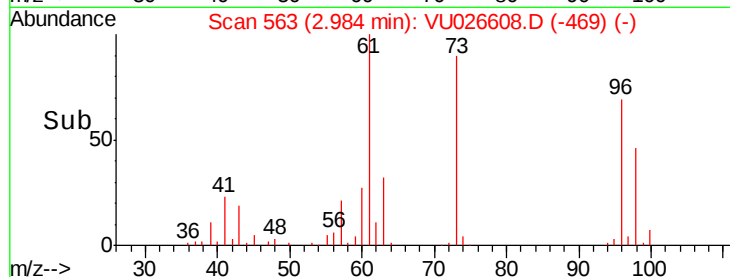
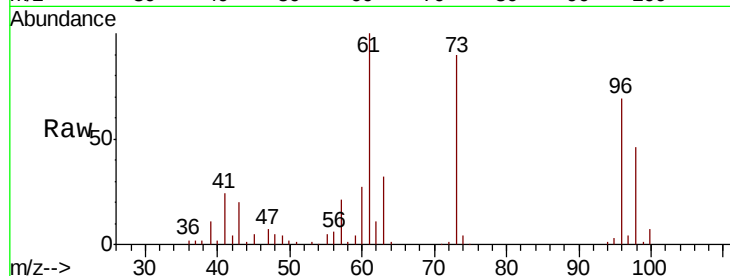
Tgt Ion: 96 Resp: 56569

Ion Ratio Lower Upper

96 100

61 145.2 103.2 191.6

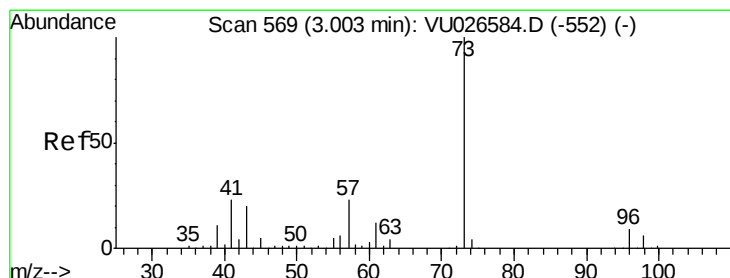
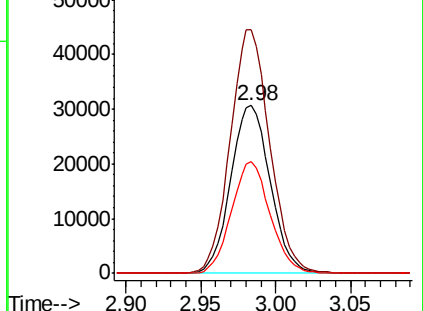
98 66.8 44.9 83.3



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: 55.821 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

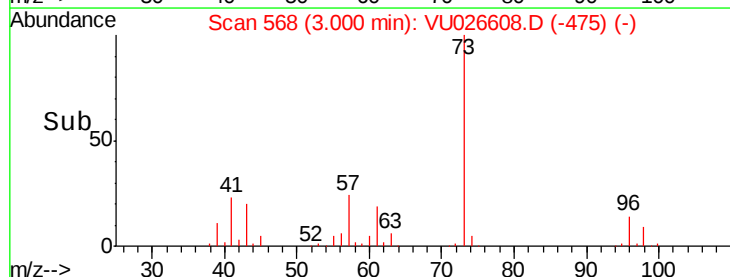
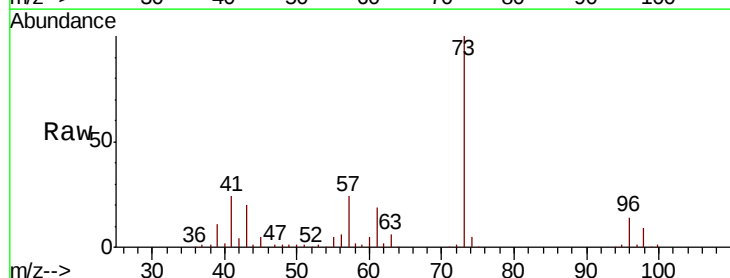
Tgt Ion: 73 Resp: 186517

Ion Ratio Lower Upper

73 100

43 20.3 16.6 25.0

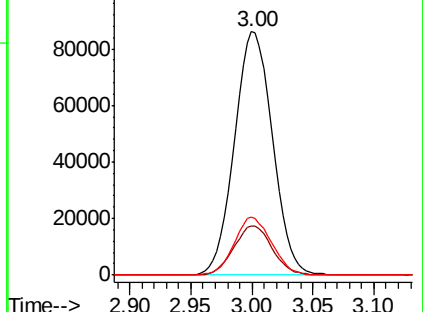
57 23.4 18.2 27.2

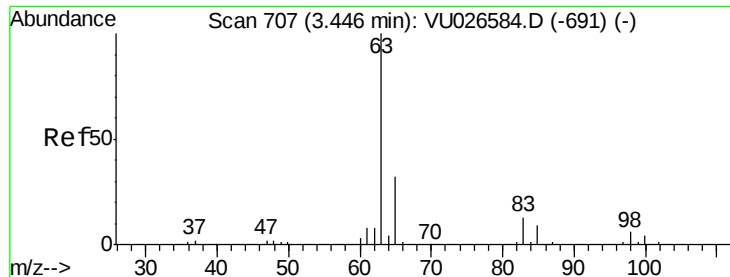


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 54.012 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

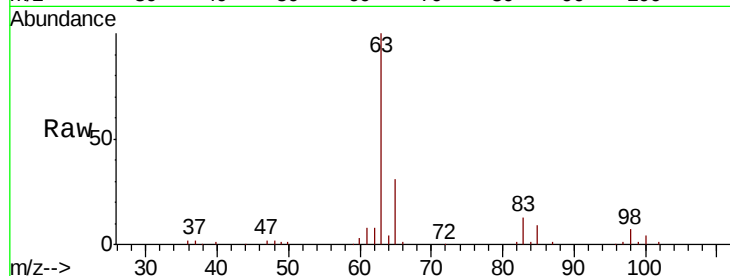
Tgt Ion: 63 Resp: 116816

Ion Ratio Lower Upper

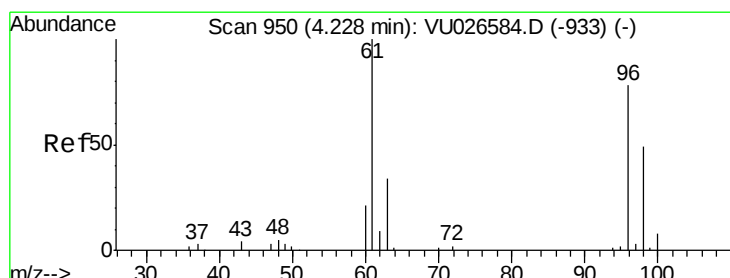
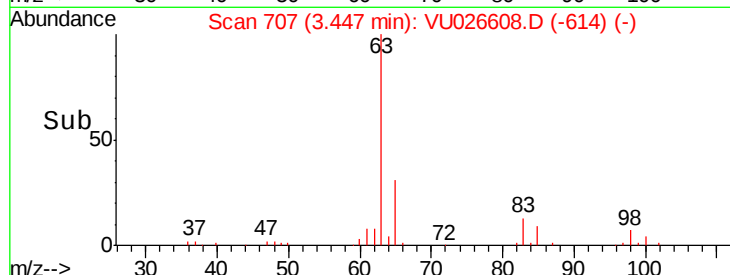
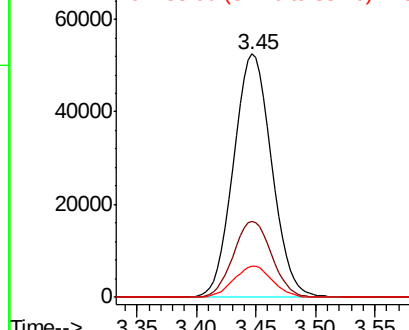
63 100

65 31.2 21.6 40.2

83 13.0 8.8 16.4



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: 54.503 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

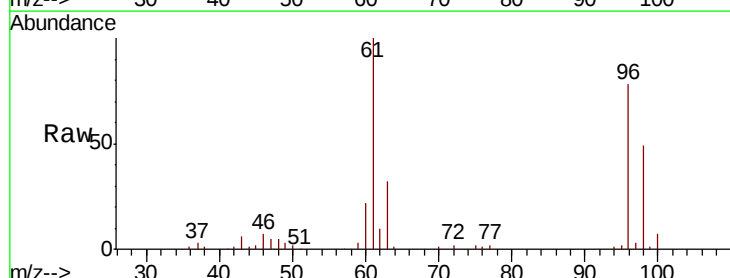
Tgt Ion: 96 Resp: 67204

Ion Ratio Lower Upper

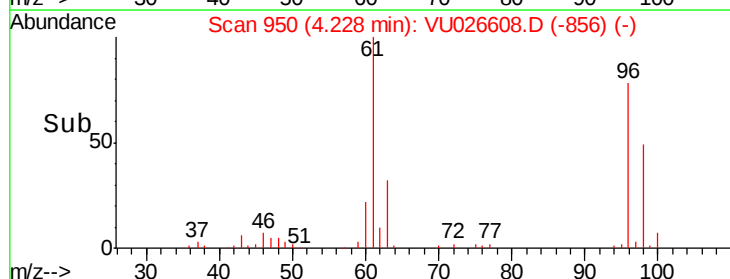
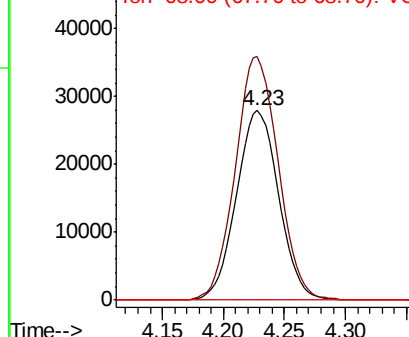
96 100

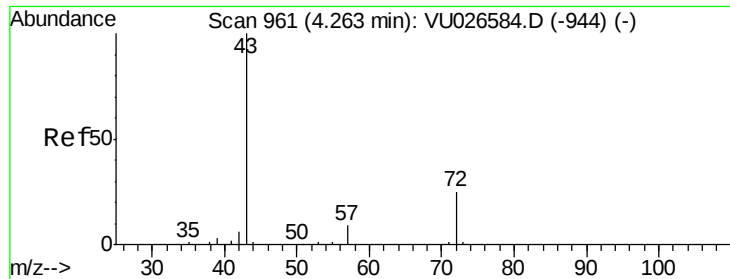
61 128.5 91.6 170.2

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: 111.291 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

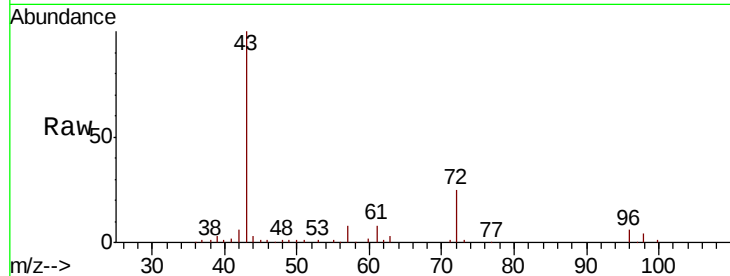
VSTD05042

Tgt Ion: 43 Resp: 106192

Ion Ratio Lower Upper

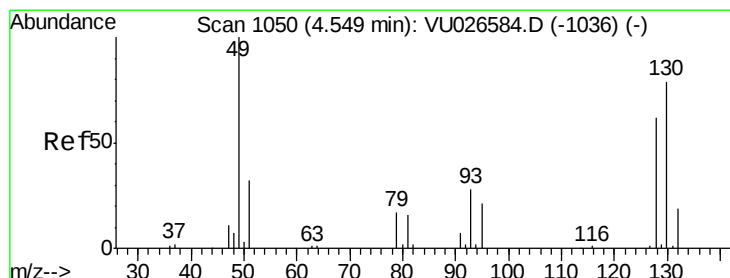
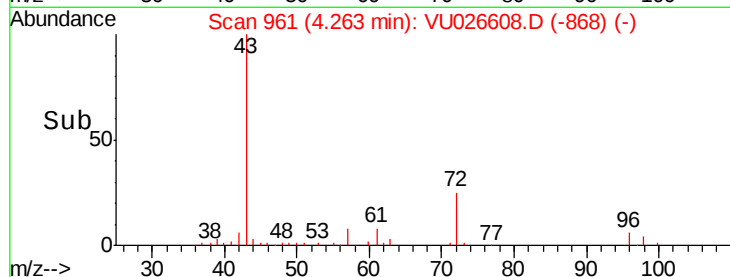
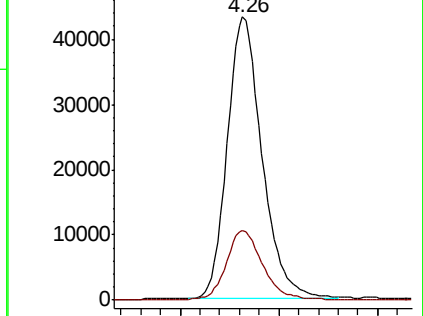
43 100

72 26.1 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026608.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU026608.D (-968) (-)



#23

Bromochloromethane

Concen: 53.494 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Tgt Ion: 128 Resp: 33983

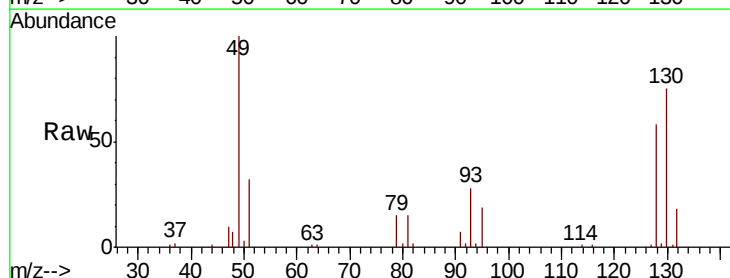
Ion Ratio Lower Upper

128 100

49 171.1 121.2 225.0

130 128.2 94.1 174.7

51 54.1 45.1 67.7

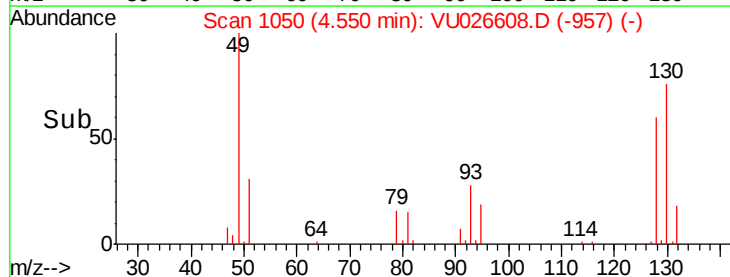
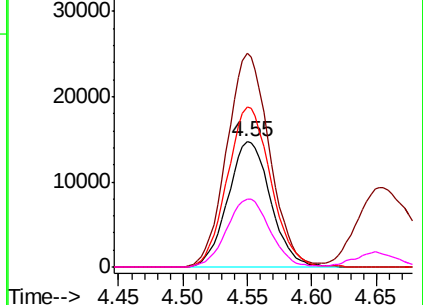


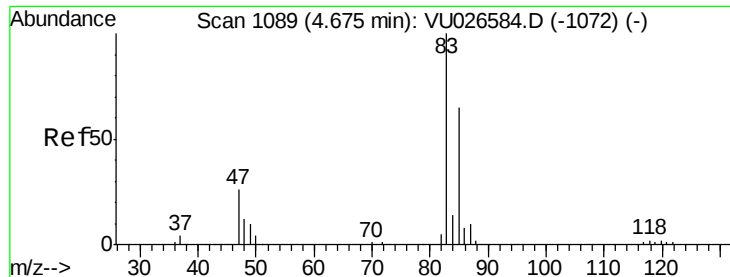
Abundance Ion 128.00 (127.70 to 128.70): VU026608.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU026608.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU026608.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU026608.D (-957) (-)

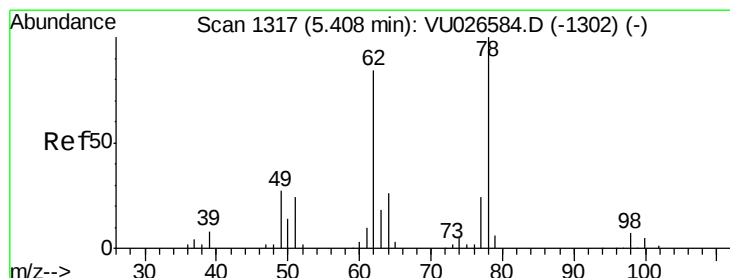
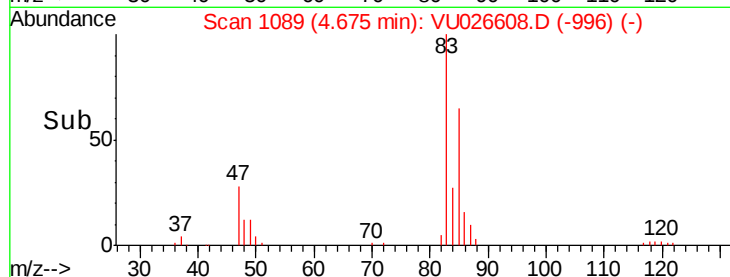
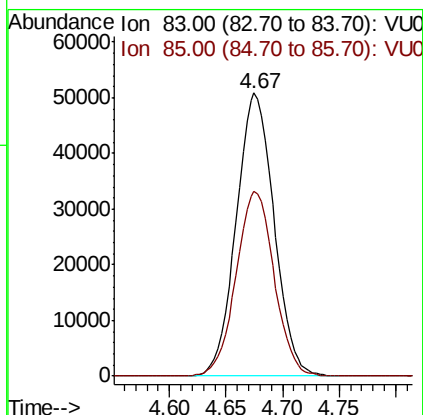
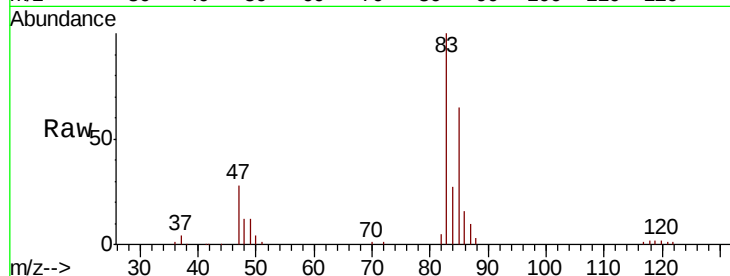




#25
Chloroform
Concen: 53.666 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026608.D
Acq: 07 Sep 2018 03:24

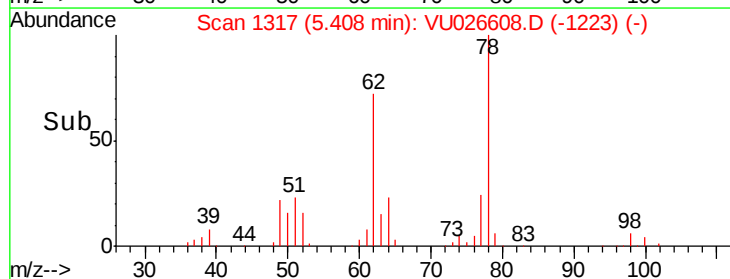
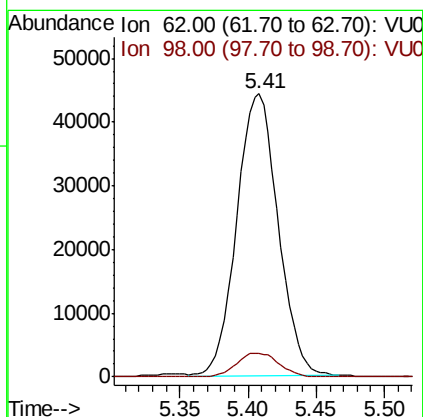
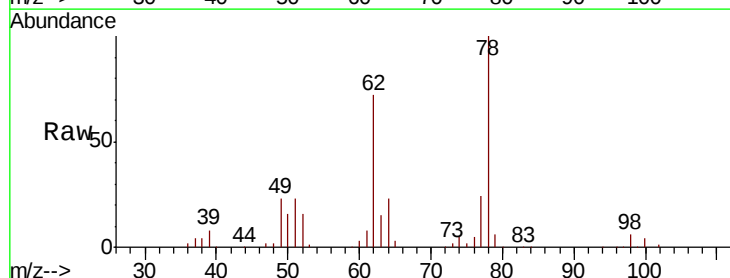
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

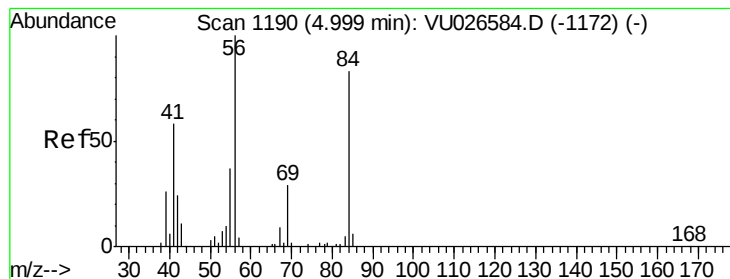
Tgt Ion: 83 Resp: 118533
Ion Ratio Lower Upper
83 100
85 65.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 52.346 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026608.D
Acq: 07 Sep 2018 03:24

Tgt Ion: 62 Resp: 93248
Ion Ratio Lower Upper
62 100
98 8.2 6.8 10.2





#29

Cyclohexane

Concen: 56.216 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

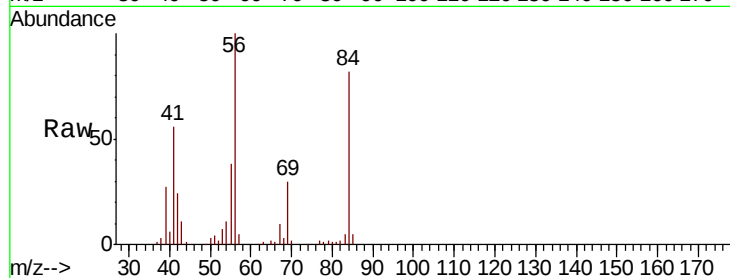
Tgt Ion: 56 Resp: 98961

Ion Ratio Lower Upper

56 100

69 29.7 24.0 36.0

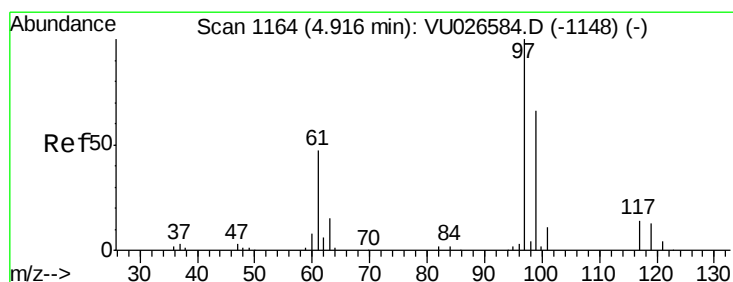
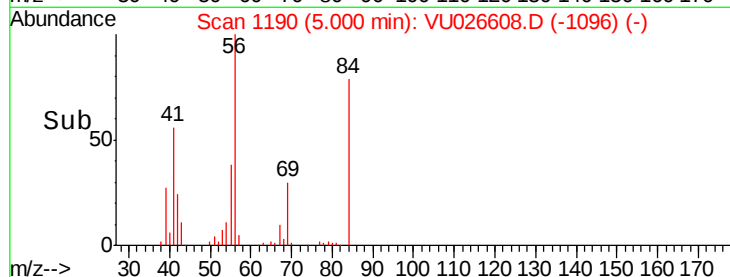
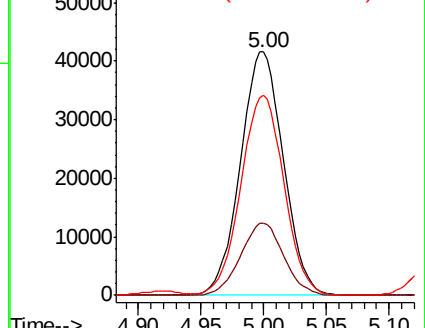
84 82.6 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VU026608.D (-1096) (-)

Ion 69.00 (68.70 to 69.70): VU026608.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU026608.D (-1096) (-)



#30

1,1,1-Trichloroethane

Concen: 54.692 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

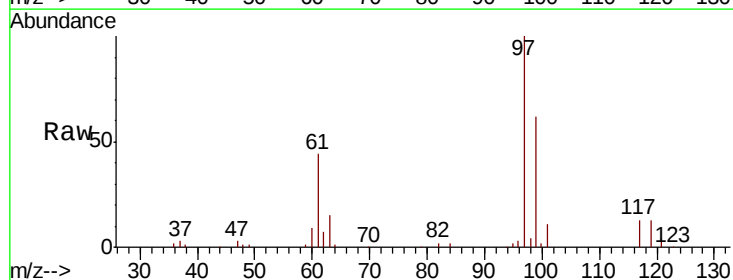
Tgt Ion: 97 Resp: 97241

Ion Ratio Lower Upper

97 100

99 63.3 51.6 77.4

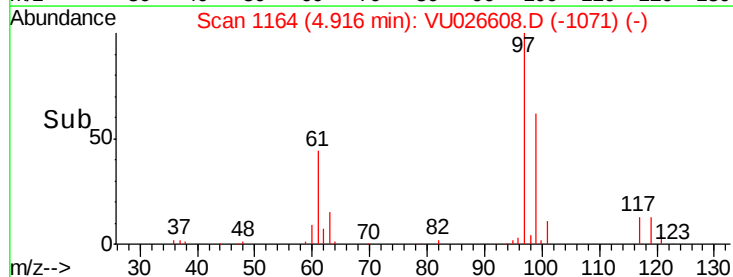
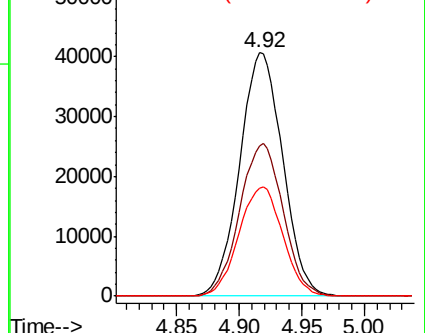
61 45.8 37.9 56.9

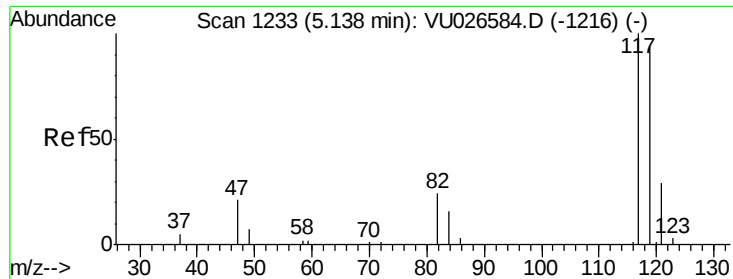


Abundance Ion 97.00 (96.70 to 97.70): VU026608.D (-1071) (-)

Ion 99.00 (98.70 to 99.70): VU026608.D (-1071) (-)

Ion 61.05 (60.75 to 61.75): VU026608.D (-1071) (-)

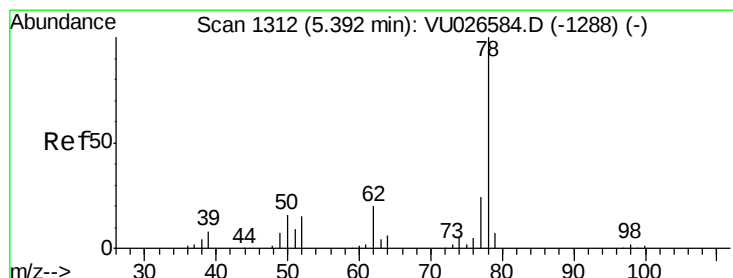
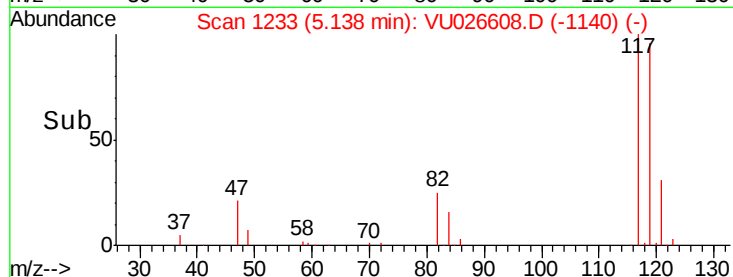
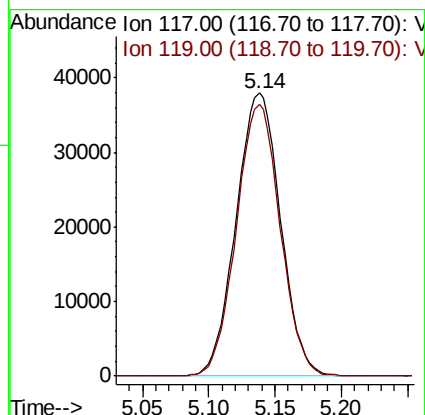
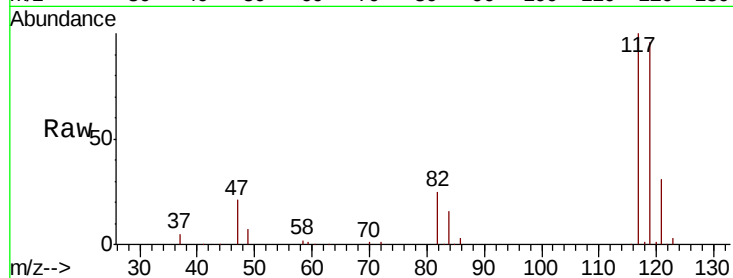




#31
Carbon tetrachloride
Concen: 54.812 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU026608.D
Acq: 07 Sep 2018 03:24

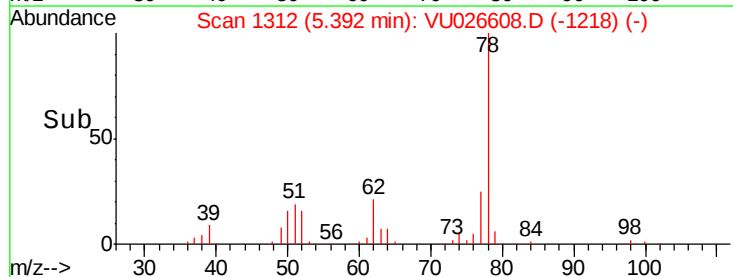
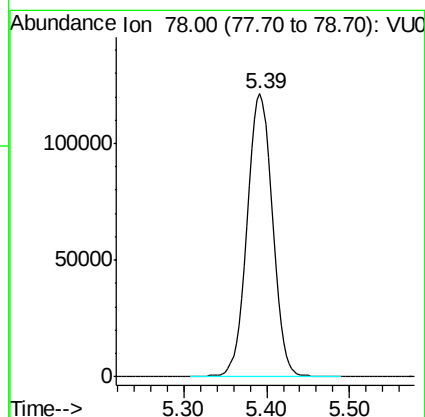
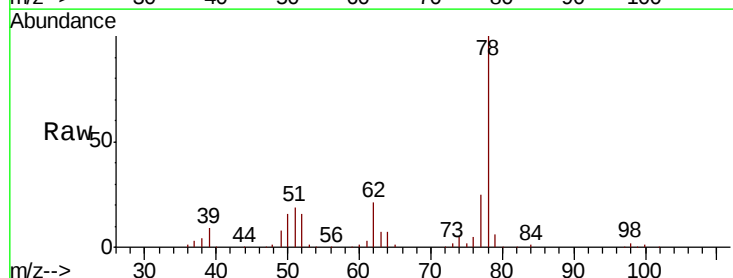
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

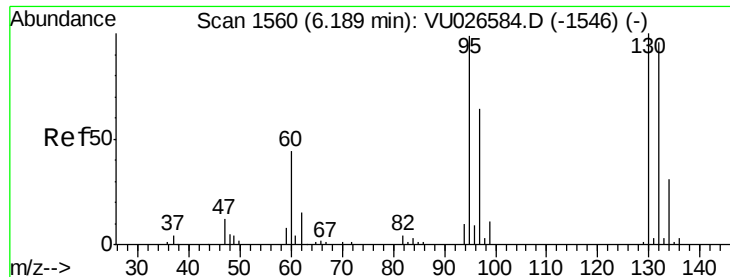
Tgt Ion:117 Resp: 88547
Ion Ratio Lower Upper
117 100
119 94.6 76.4 114.6



#33
Benzene
Concen: 55.850 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026608.D
Acq: 07 Sep 2018 03:24

Tgt Ion: 78 Resp: 258694





#34

Trichloroethene

Concen: 53.742 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 95 Resp: 62440

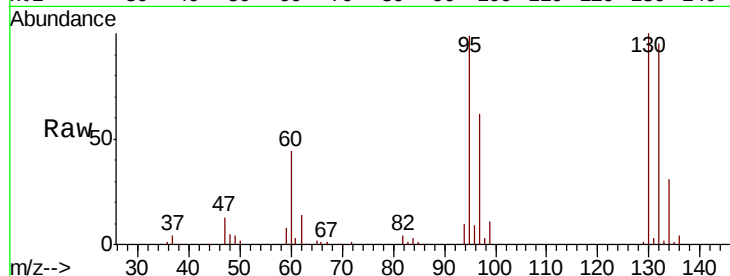
Ion Ratio Lower Upper

95 100

97 62.8 45.1 83.7

132 95.9 67.5 125.3

130 100.5 69.3 128.7

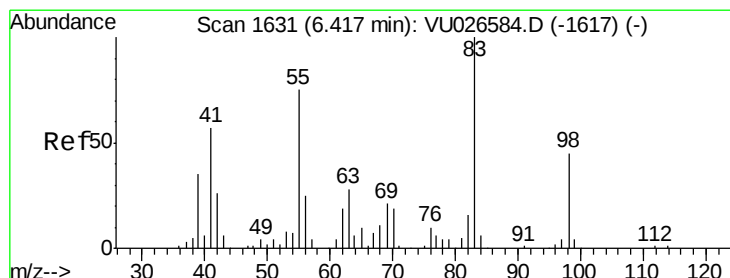
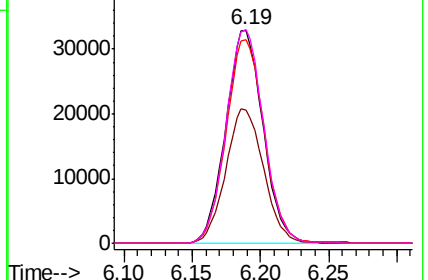
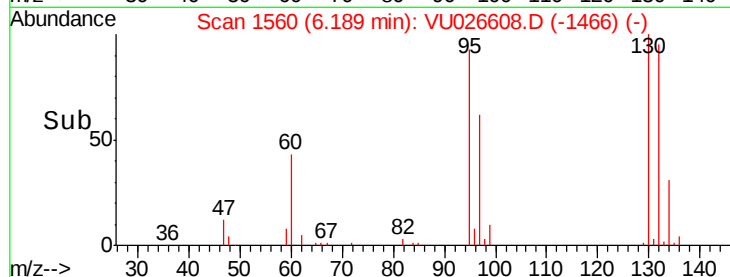


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 54.474 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

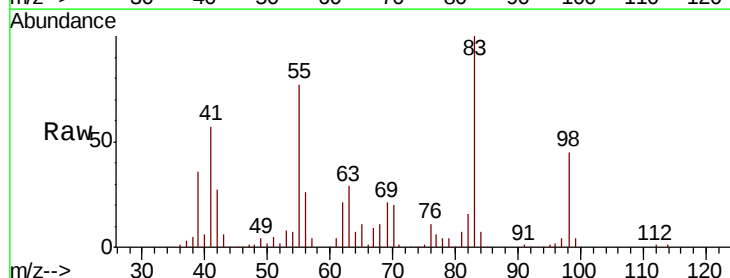
Tgt Ion: 83 Resp: 98825

Ion Ratio Lower Upper

83 100

55 78.7 63.3 94.9

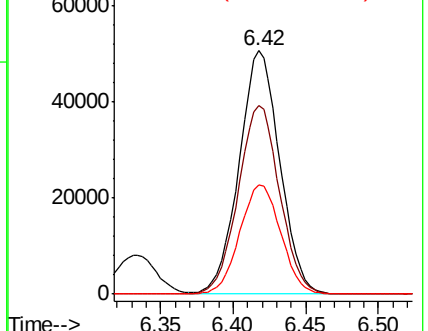
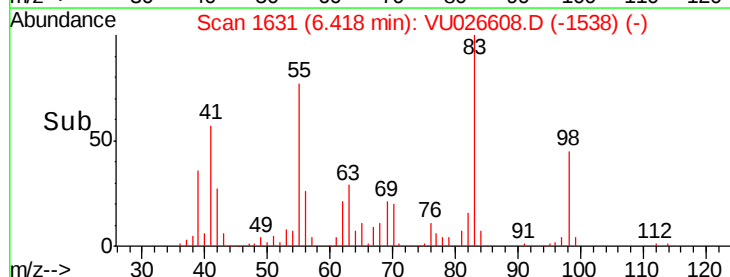
98 45.4 36.7 55.1

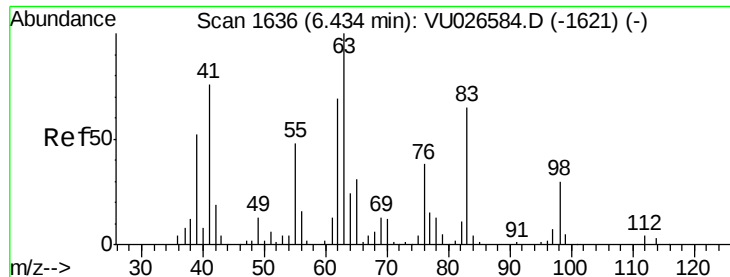


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

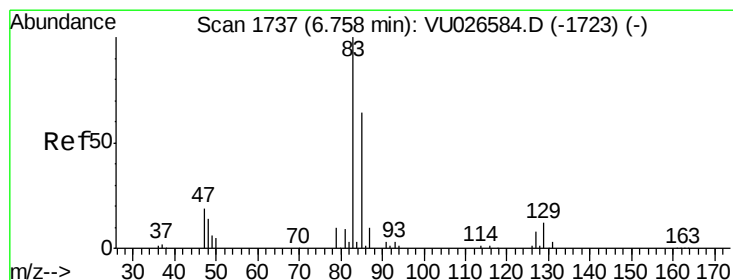
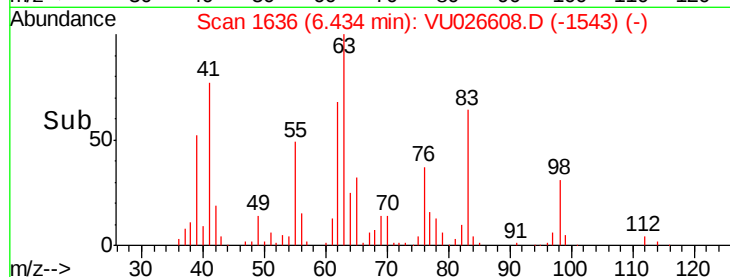
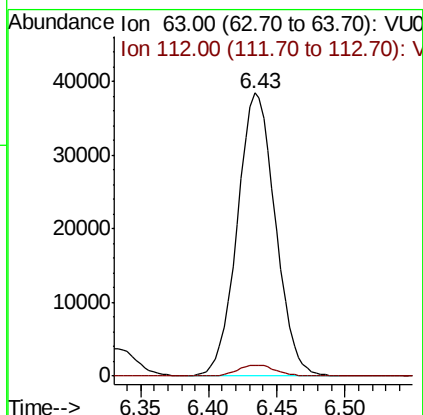
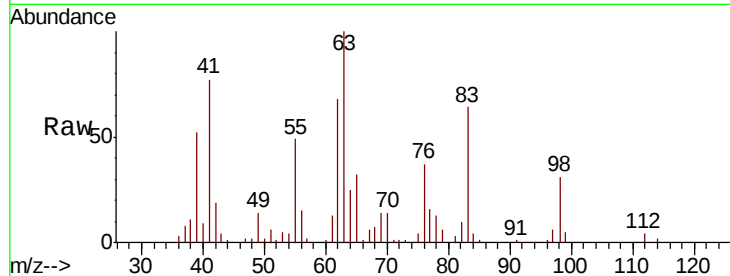




#37
 1,2-Dichloropropane
 Concen: 58.069 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

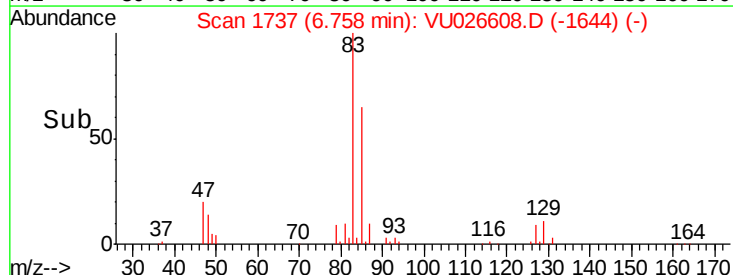
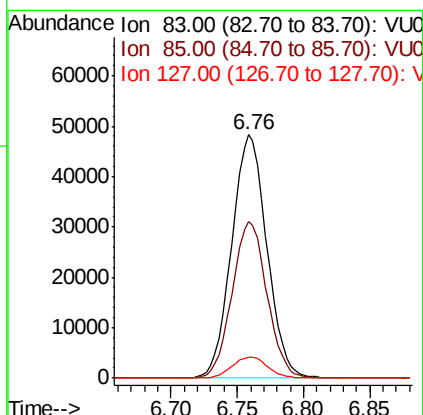
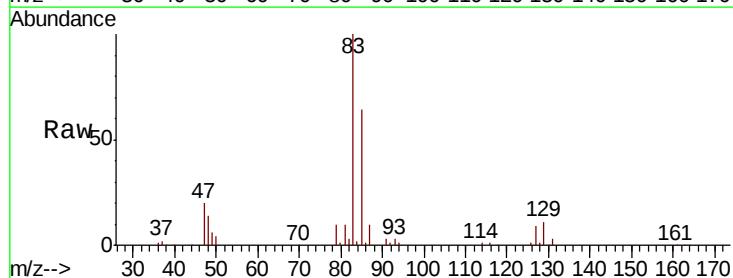
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

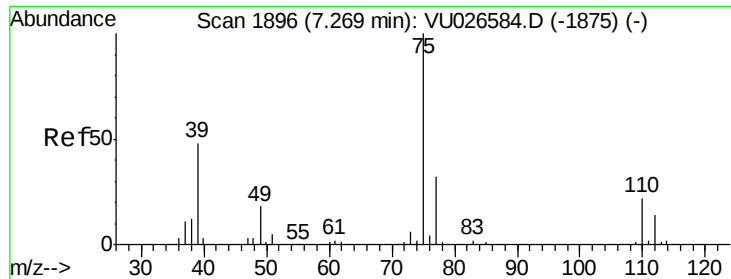
Tgt Ion: 63 Resp: 74462
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 54.530 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

Tgt Ion: 83 Resp: 89169
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.9 81.5
 127 8.7 7.0 10.6

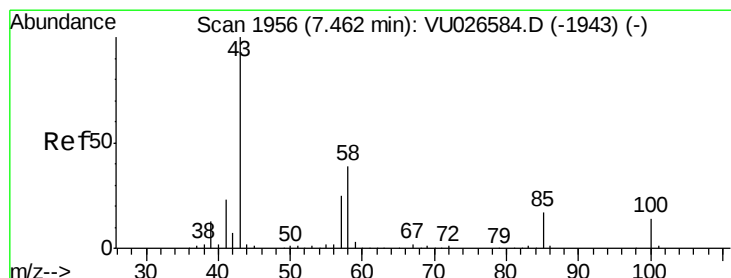
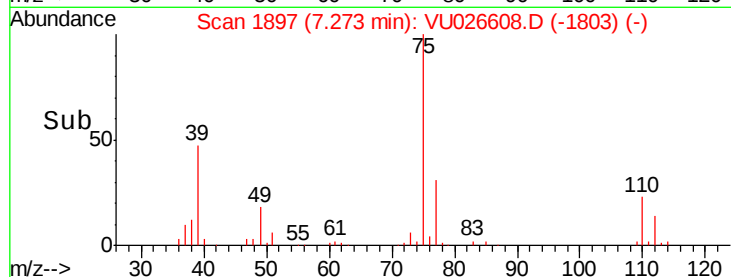
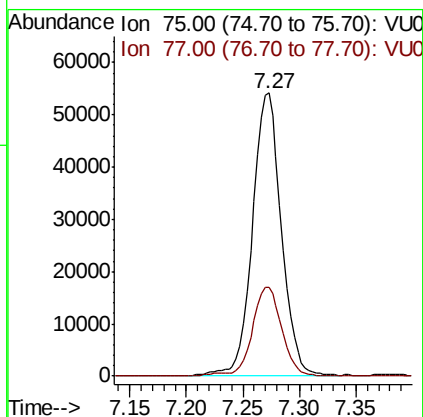
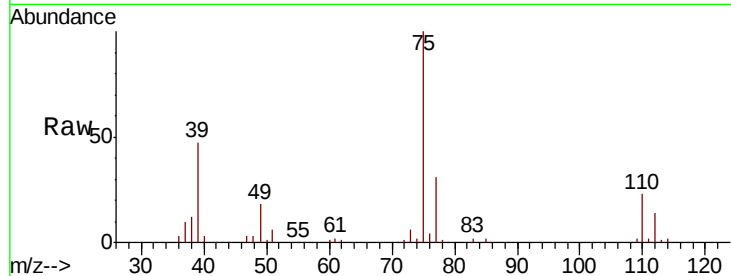




#39
 cis-1,3-Dichloropropene
 Concen: 52.808 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

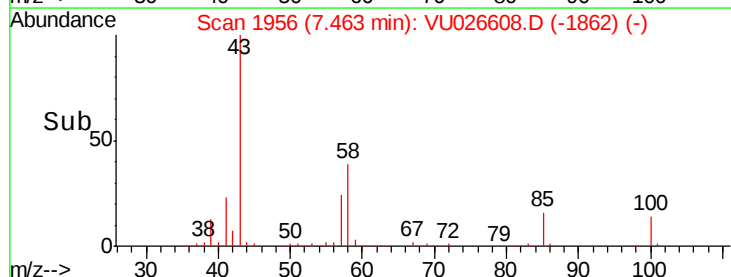
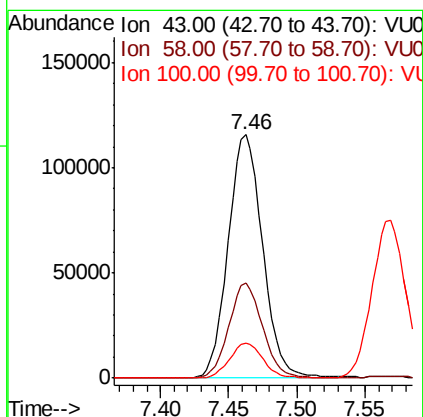
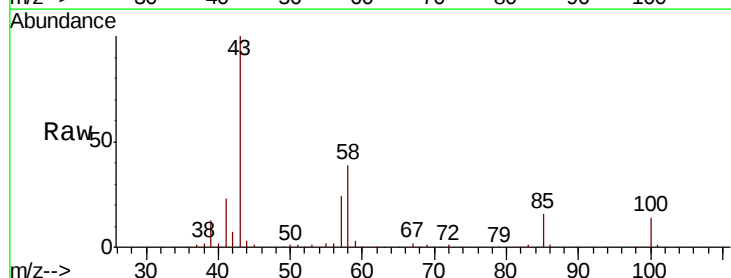
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

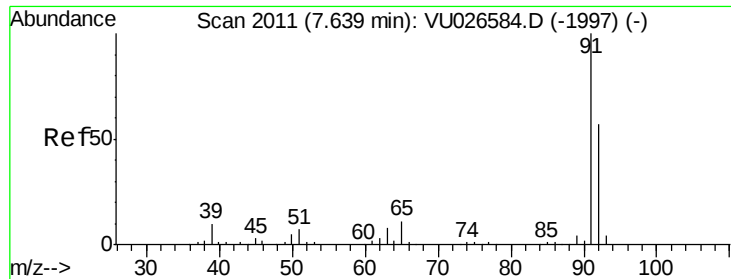
Tgt Ion: 75 Resp: 96488
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 117.761 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

Tgt Ion: 43 Resp: 203650
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.4 45.6
 100 13.9 11.0 16.4





#42

Toluene

Concen: 55.462 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

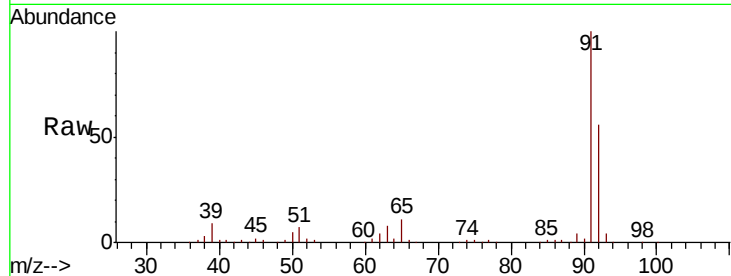
VSTD05042

Tgt Ion: 91 Resp: 268060

Ion Ratio Lower Upper

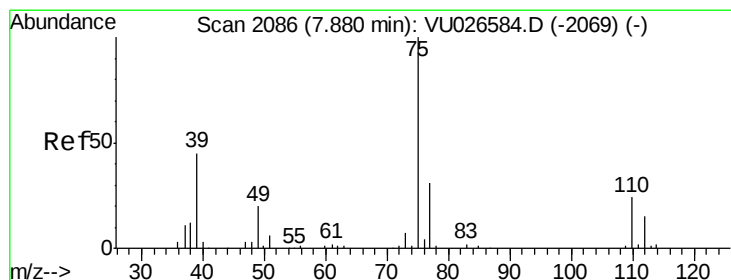
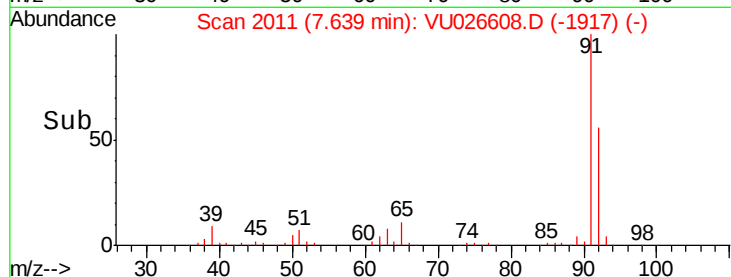
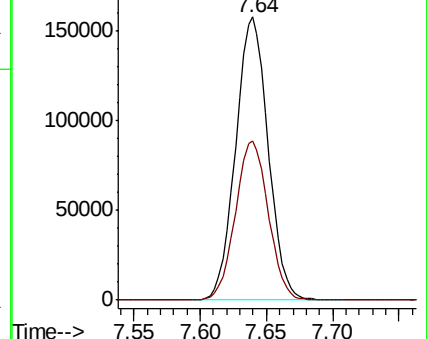
91 100

92 56.4 38.7 71.9



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: 51.806 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026608.D

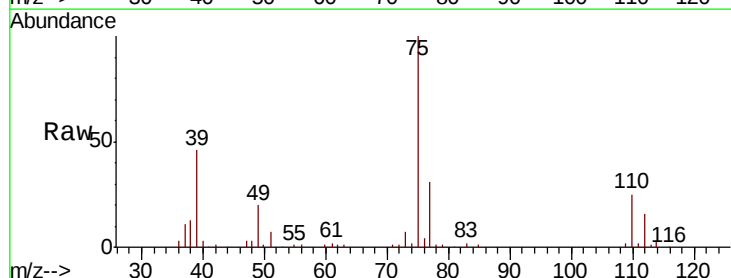
Acq: 07 Sep 2018 03:24

Tgt Ion: 75 Resp: 90221

Ion Ratio Lower Upper

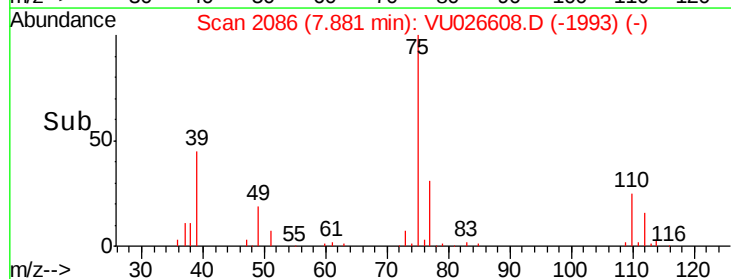
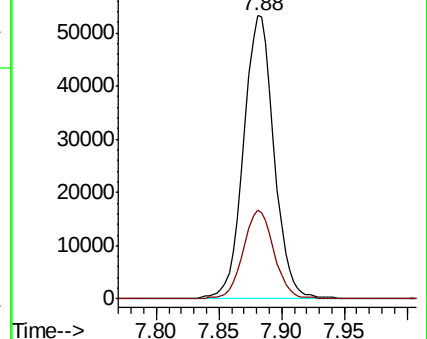
75 100

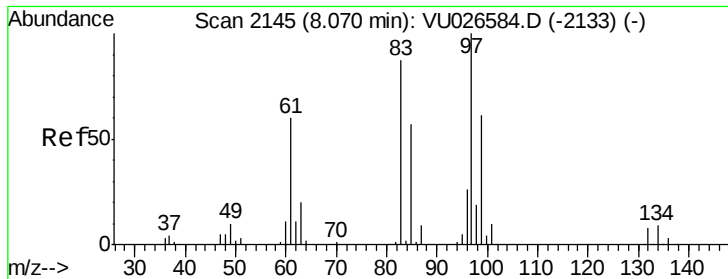
77 31.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

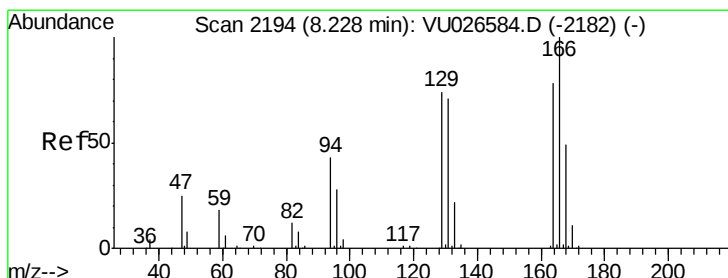
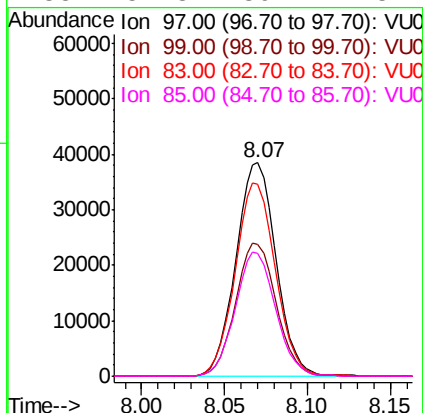
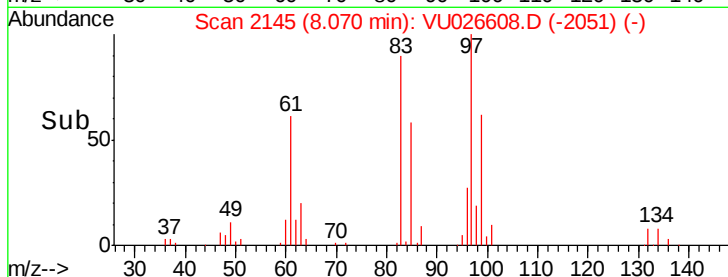
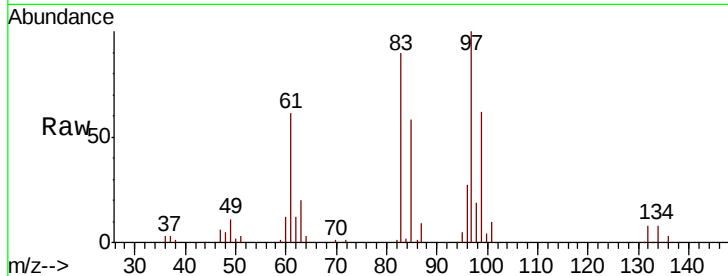




#45
 1,1,2-Trichloroethane
 Concen: 55.182 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

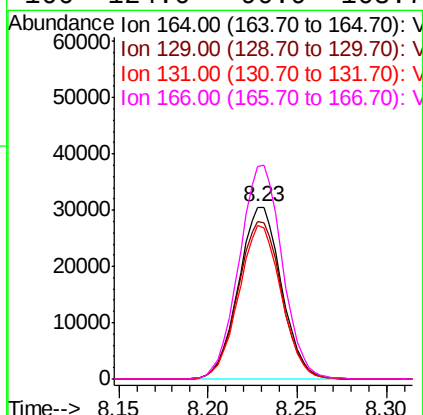
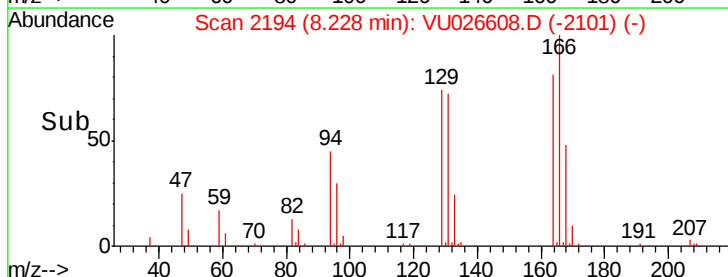
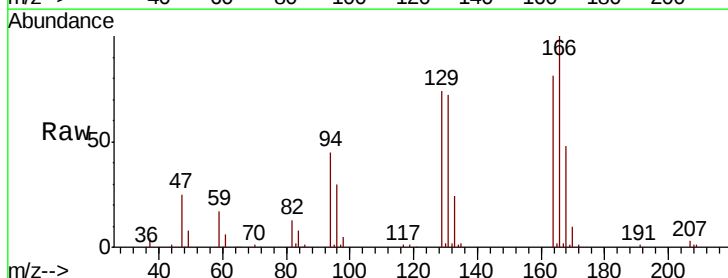
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

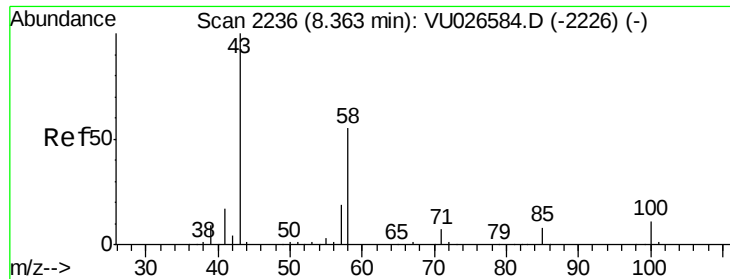
Tgt Ion:	97	Resp:	64823
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.9	81.5
83	89.7	62.7	116.5
85	57.8	39.4	73.2



#46
 Tetrachloroethene
 Concen: 53.946 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

Tgt Ion:	164	Resp:	51243
Ion	Ratio	Lower	Upper
164	100		
129	91.7	67.3	125.1
131	89.3	65.3	121.3
166	124.0	90.9	168.7

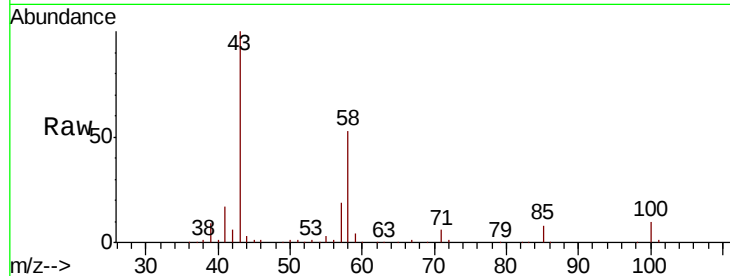




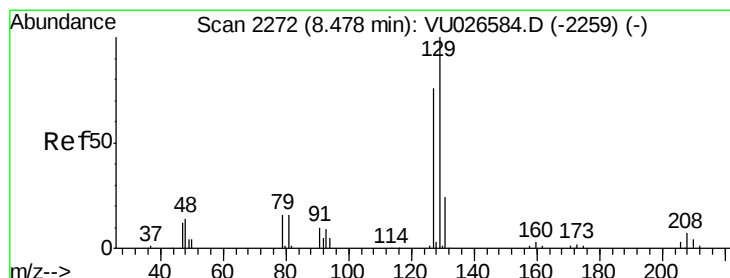
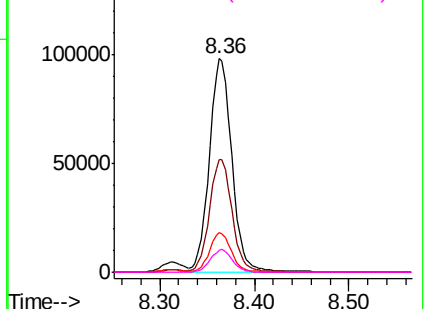
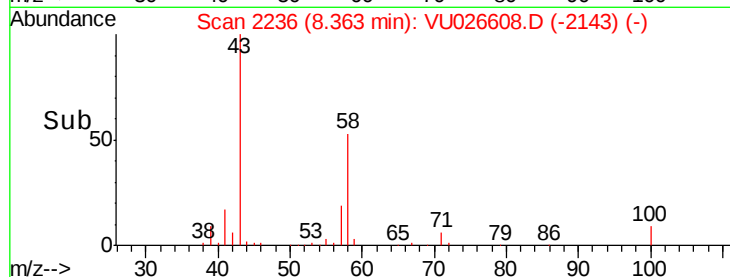
#48
2-Hexanone
Concen: 118.947 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026608.D
Acq: 07 Sep 2018 03:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 43 Resp: 162007
Ion Ratio Lower Upper
43 100
58 53.0 42.2 63.4
57 18.2 14.6 21.8
100 10.4 8.3 12.5

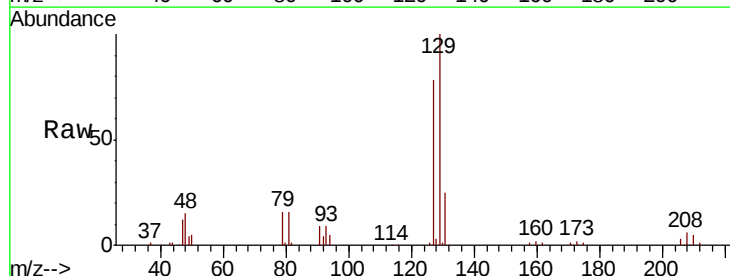


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

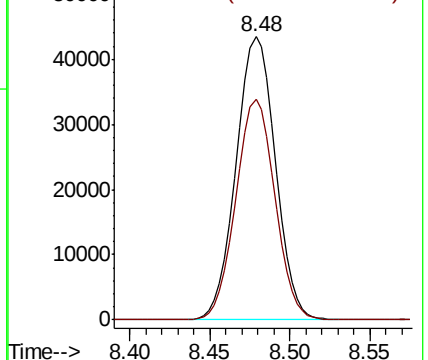
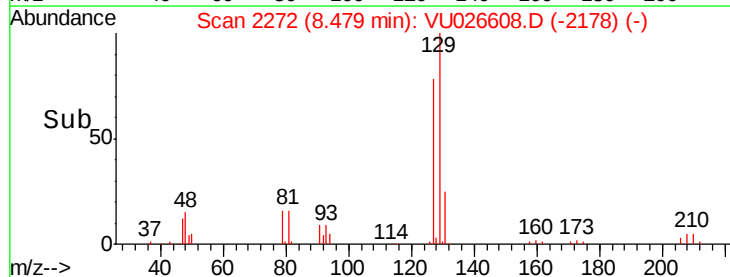


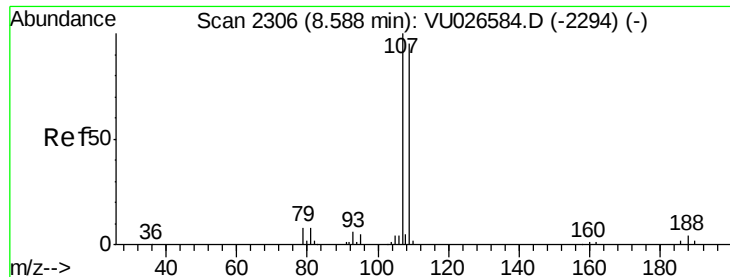
#49
Dibromochloromethane
Concen: 55.003 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026608.D
Acq: 07 Sep 2018 03:24

Tgt Ion: 129 Resp: 72804
Ion Ratio Lower Upper
129 100
127 78.0 55.0 102.2



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

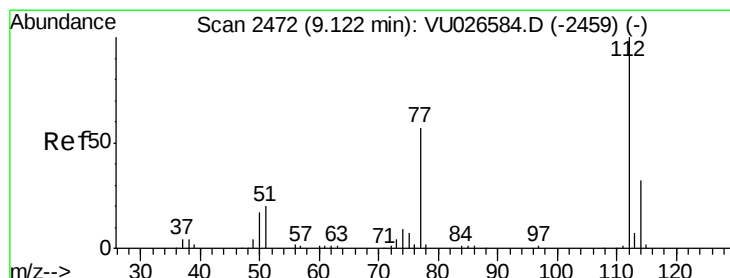
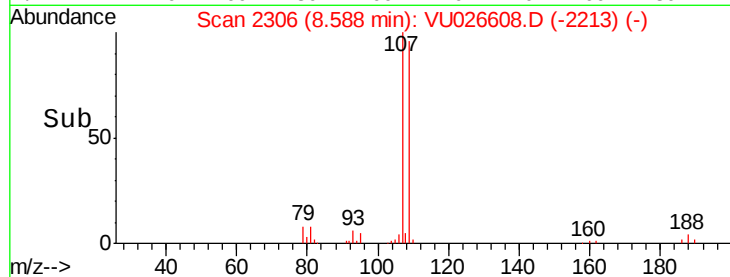
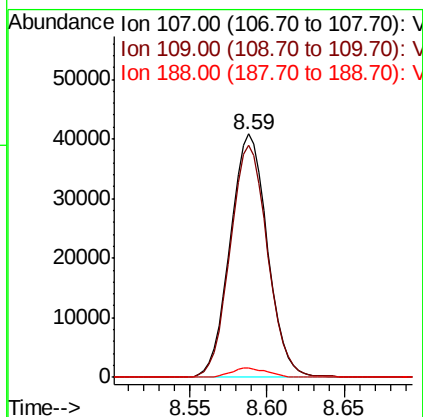
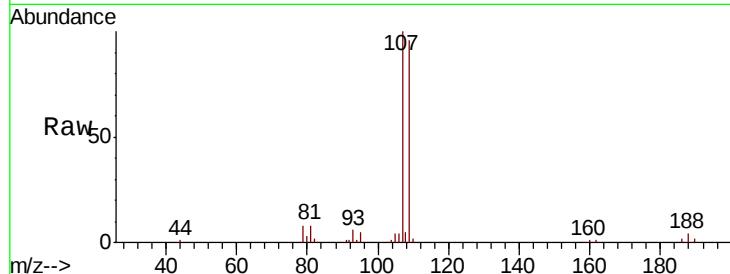




#50
 1,2-Dibromoethane
 Concen: 54.654 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

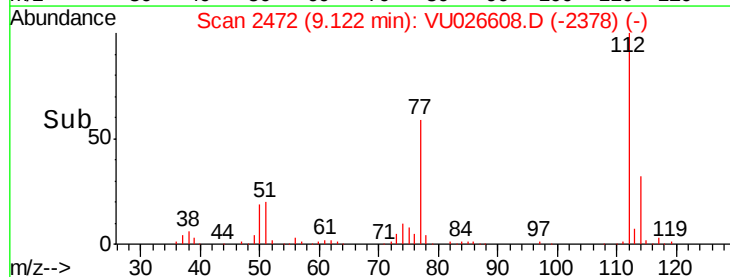
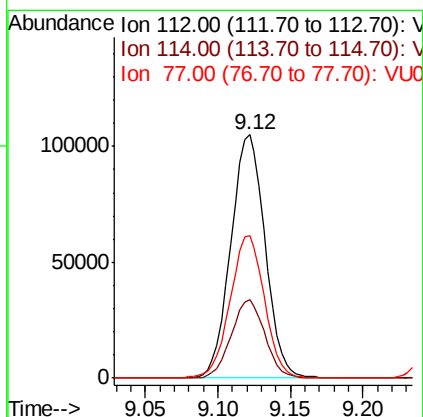
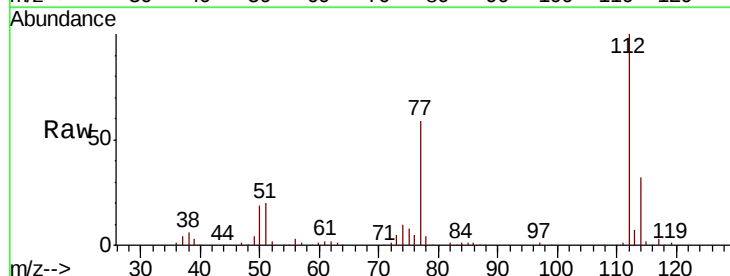
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

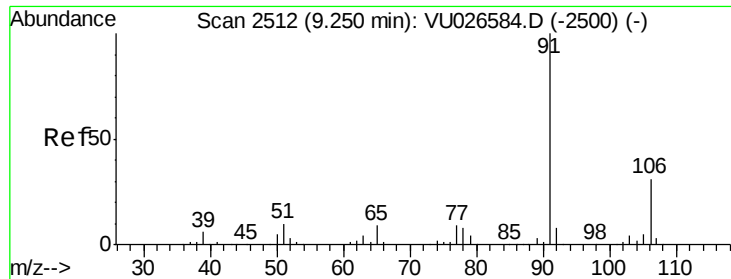
Tgt Ion:107 Resp: 68367
 Ion Ratio Lower Upper
 107 100
 109 95.6 63.4 117.8
 188 3.8 3.2 4.8



#51
 Chlorobenzene
 Concen: 53.249 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

Tgt Ion:112 Resp: 172106
 Ion Ratio Lower Upper
 112 100
 114 32.0 23.2 43.2
 77 58.7 47.3 70.9





#52

Ethylbenzene

Concen: 54.797 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

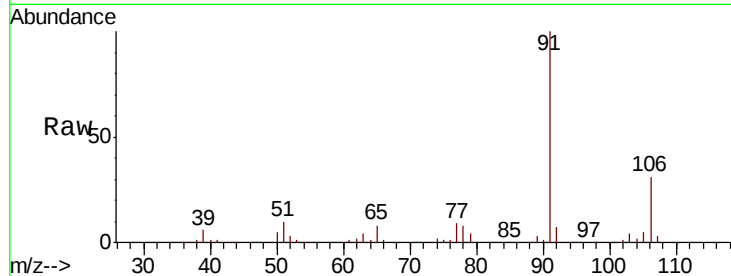
VSTD05042

Tgt Ion: 91 Resp: 288048

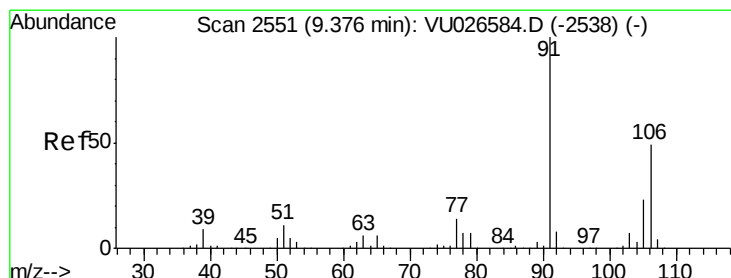
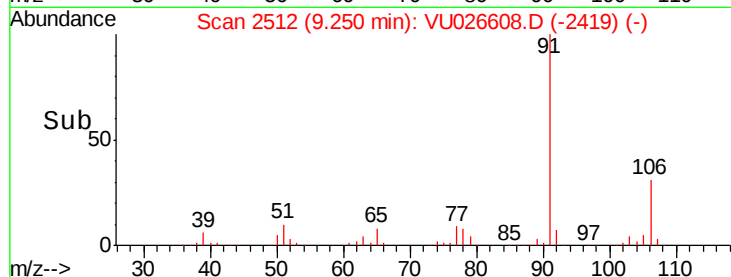
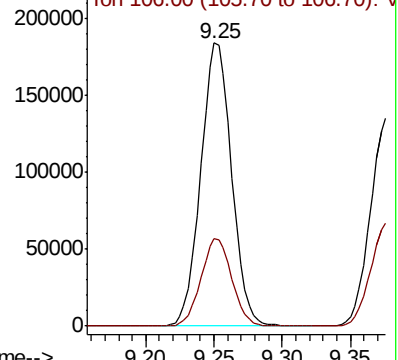
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026608.D (-2419) (-)



#53

m,p-Xylene

Concen: 55.479 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026608.D

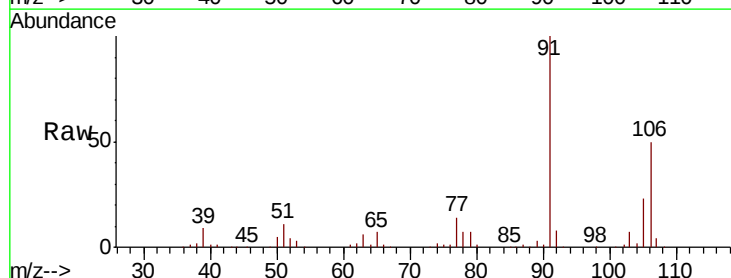
Acq: 07 Sep 2018 03:24

Tgt Ion: 106 Resp: 108893

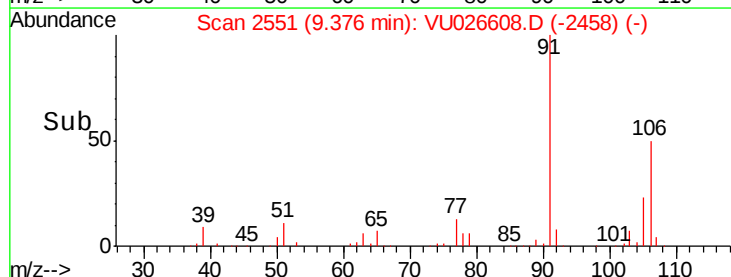
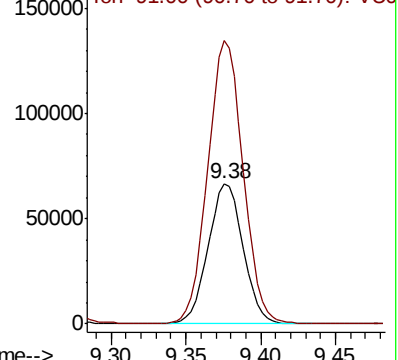
Ion Ratio Lower Upper

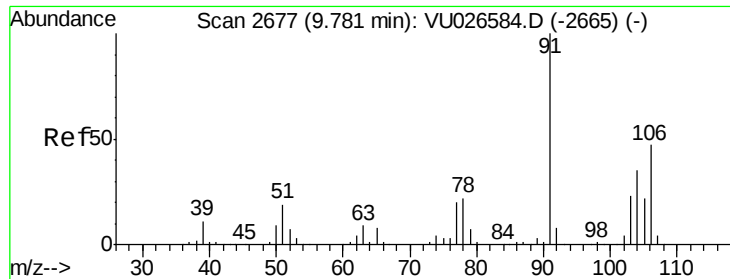
106 100

91 201.5 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026608.D (-2458) (-)





#54

o-xylene

Concen: 57.033 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

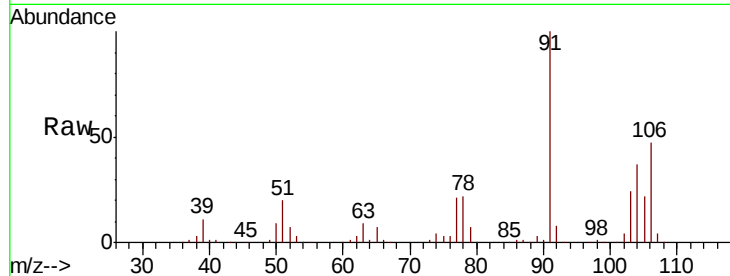
VSTD05042

Tgt Ion:106 Resp: 109167

Ion Ratio Lower Upper

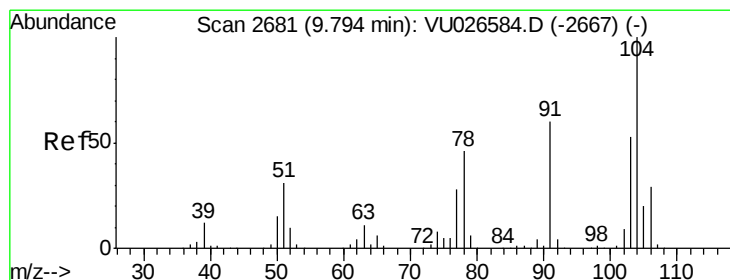
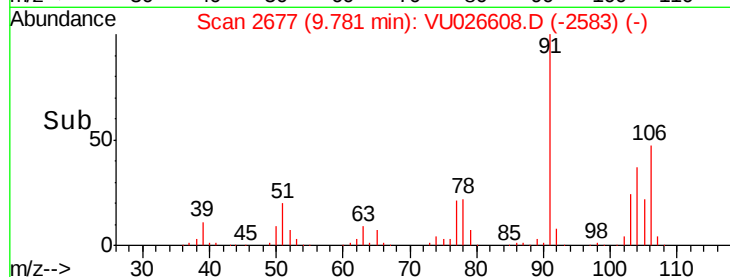
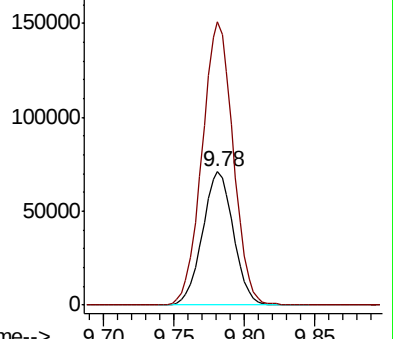
106 100

91 212.1 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 56.098 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026608.D

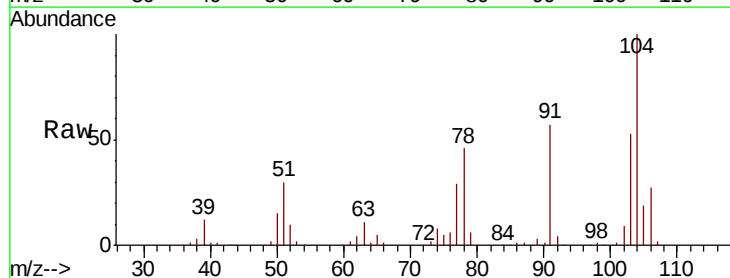
Acq: 07 Sep 2018 03:24

Tgt Ion:104 Resp: 187576

Ion Ratio Lower Upper

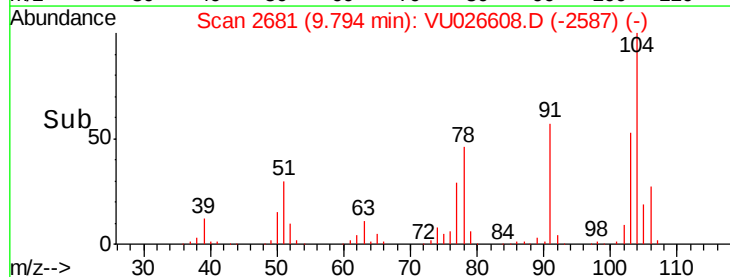
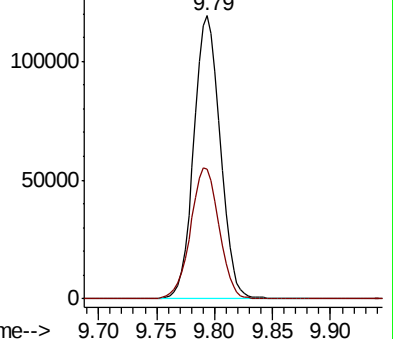
104 100

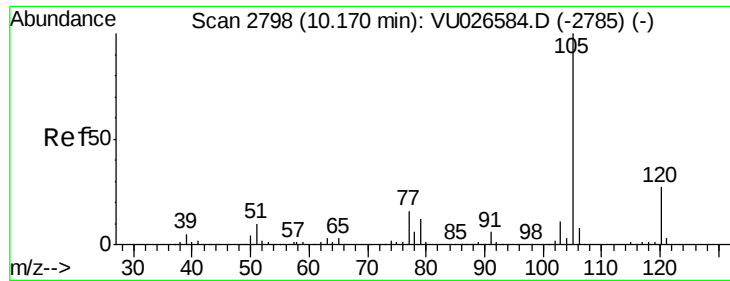
78 46.0 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 55.554 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

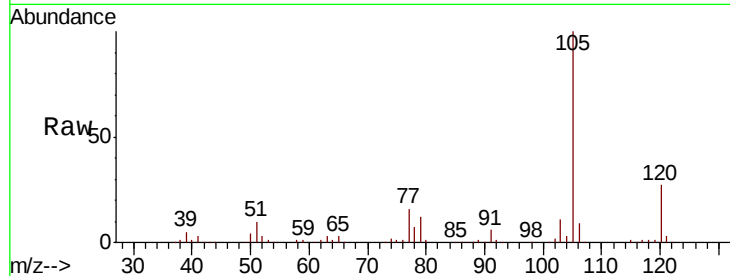
Tgt Ion: 105 Resp: 278350

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

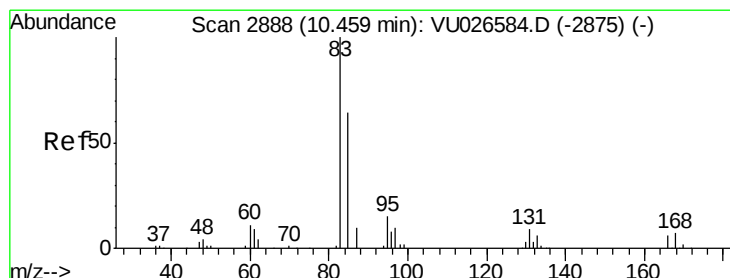
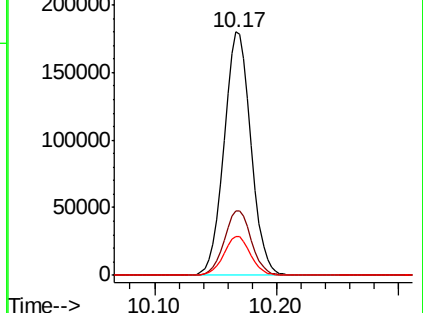
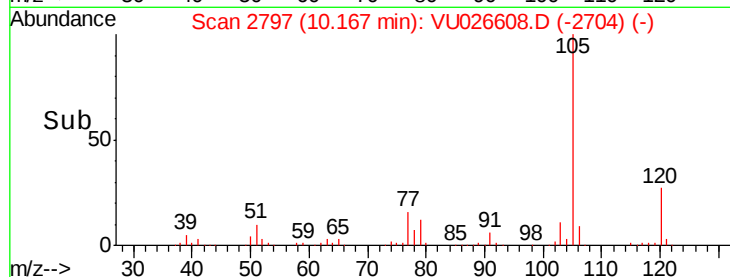
77 15.9 12.9 19.3



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: 55.543 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

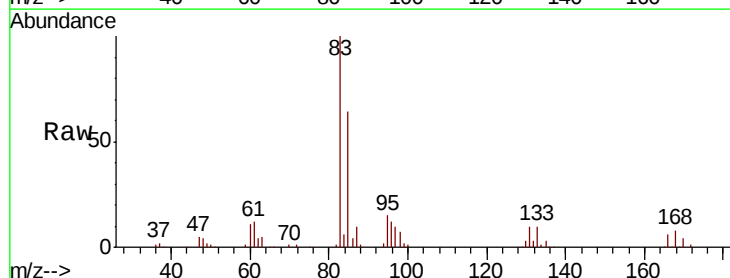
Tgt Ion: 83 Resp: 114932

Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

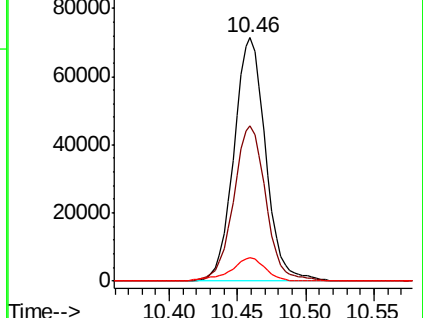
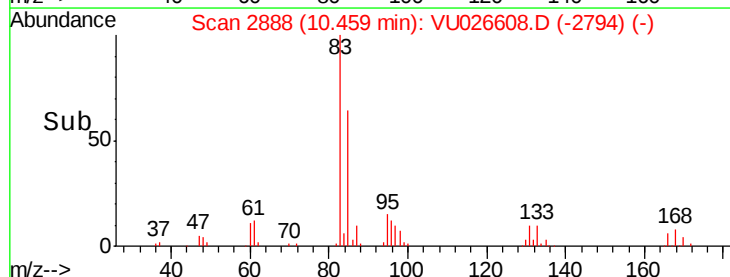
131 9.6 7.8 11.8

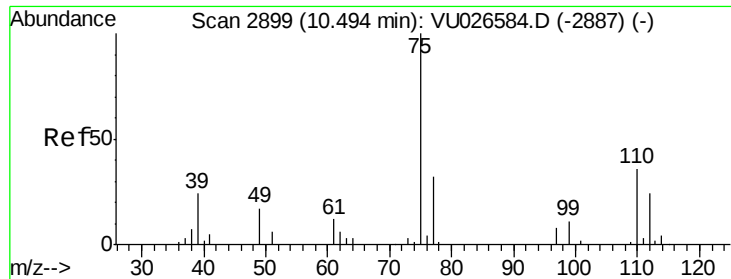


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 55.633 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

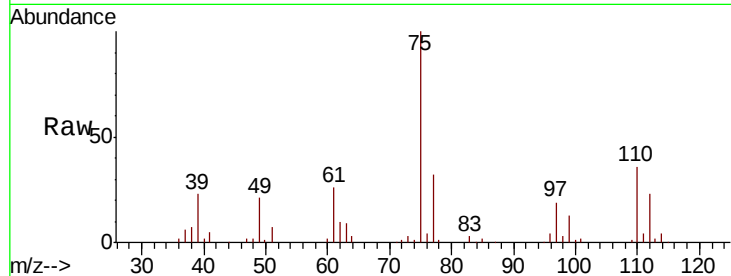
VSTD05042

Tgt Ion: 75 Resp: 89016

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU026584.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026584.D (-2887) (-)

10.49

60000

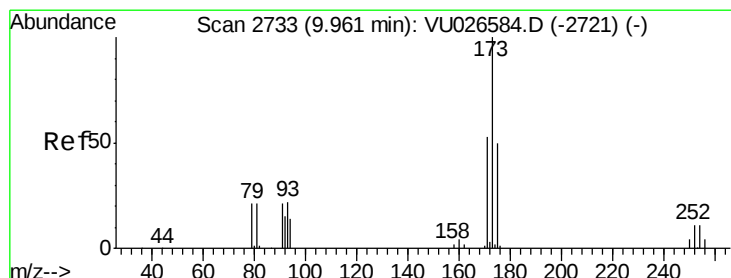
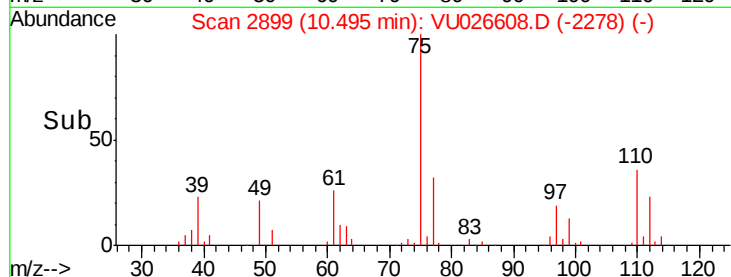
40000

20000

0

10.45 10.50 10.55

Time-->



#61

Bromoform

Concen: 57.041 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

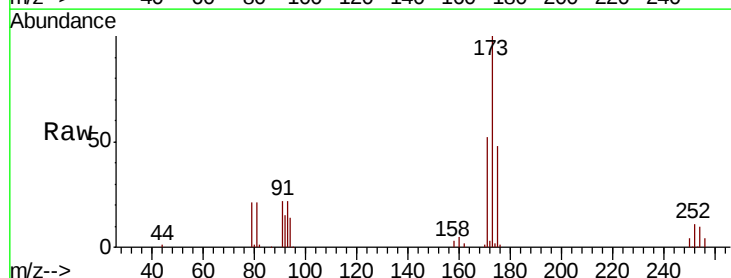
Tgt Ion: 173 Resp: 55744

Ion Ratio Lower Upper

173 100

175 48.7 38.5 57.7

254 10.4 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU026584.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU026584.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU026584.D (-2721) (-)

9.96

40000

30000

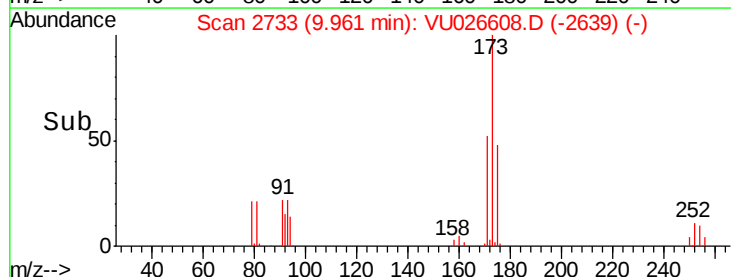
20000

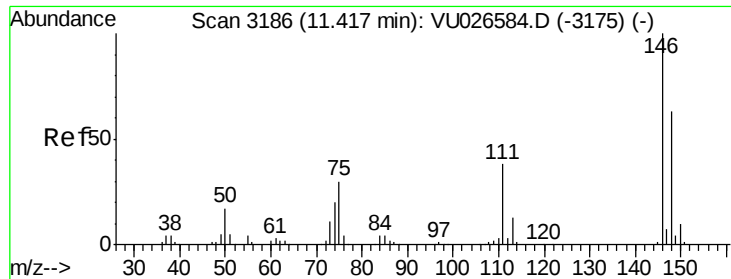
10000

0

9.90 9.95 10.00 10.05

Time-->





#62

1,3-Dichlorobenzene

Concen: 53.993 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

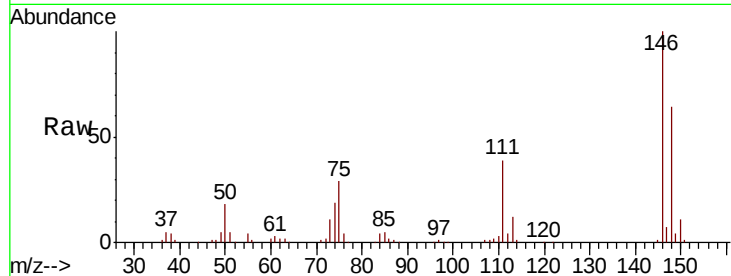
Tgt Ion:146 Resp: 125103

Ion Ratio Lower Upper

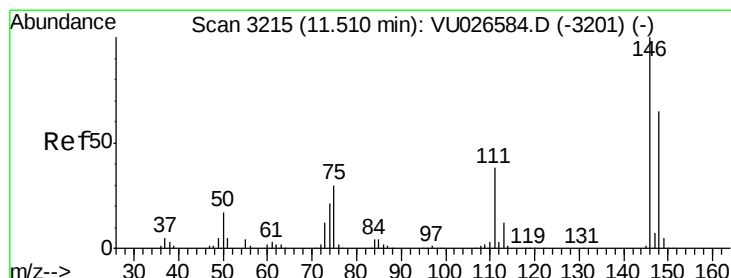
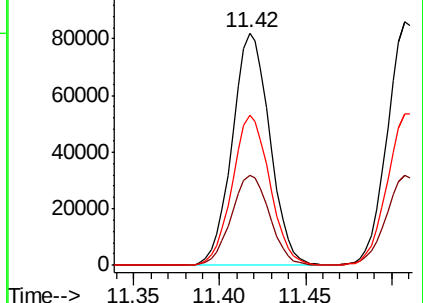
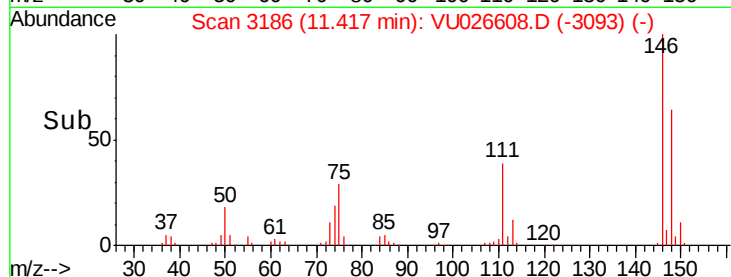
146 100

111 39.0 27.5 51.1

148 64.5 44.9 83.3



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: 54.064 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

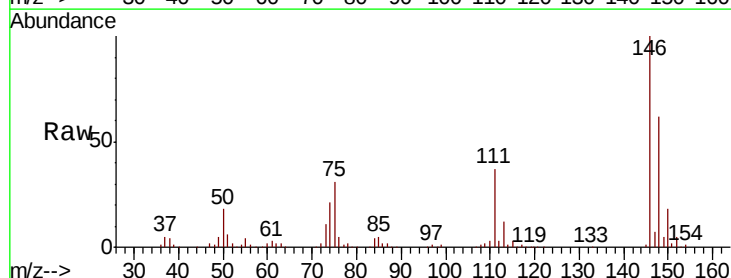
Tgt Ion:146 Resp: 132495

Ion Ratio Lower Upper

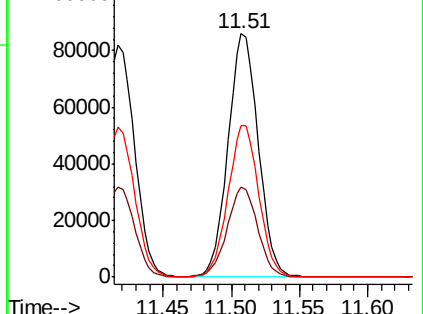
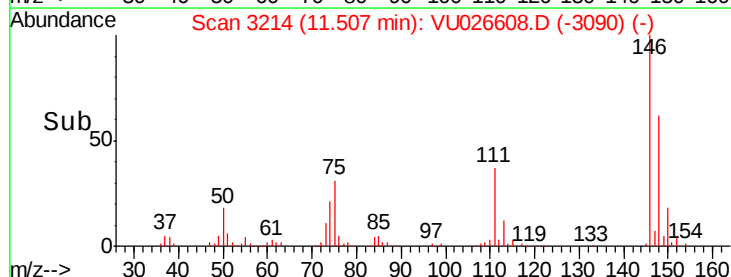
146 100

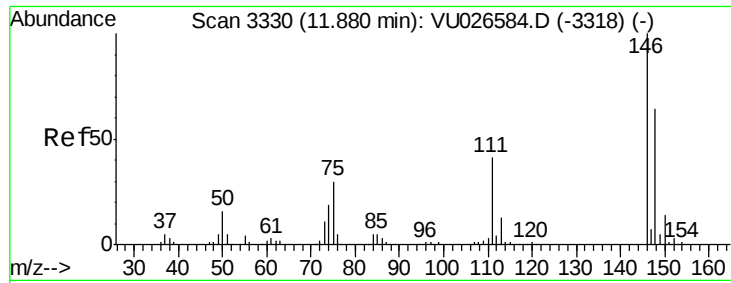
111 37.2 26.2 48.6

148 62.0 44.9 83.5



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





#65

1,2-Dichlorobenzene

Concen: 56.143 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

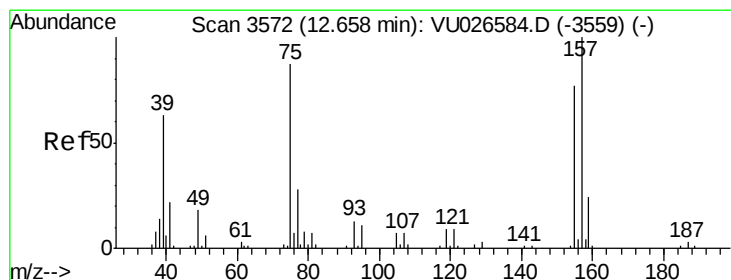
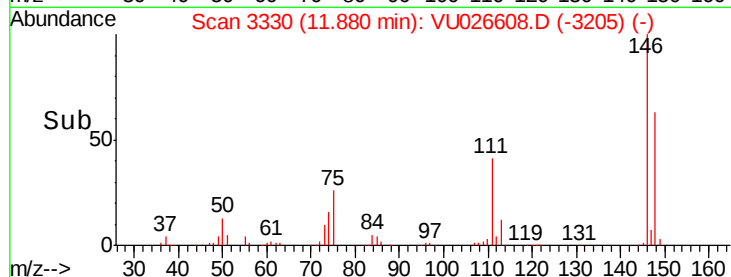
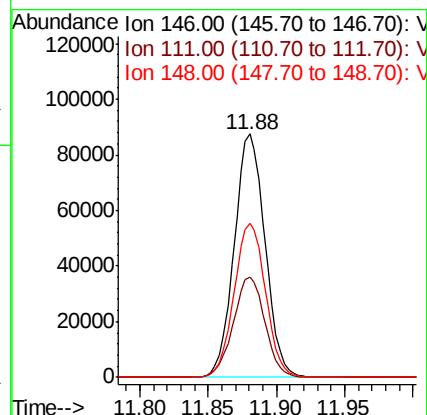
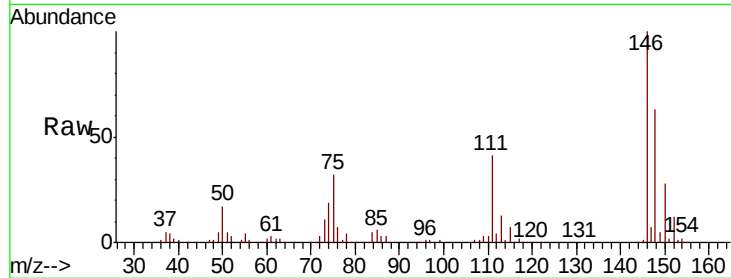
Tgt Ion:146 Resp: 137207

Ion Ratio Lower Upper

146 100

111 41.2 32.0 48.0

148 63.1 50.2 75.2



#66

1,2-Dibromo-3-chloropropane

Concen: 58.194 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

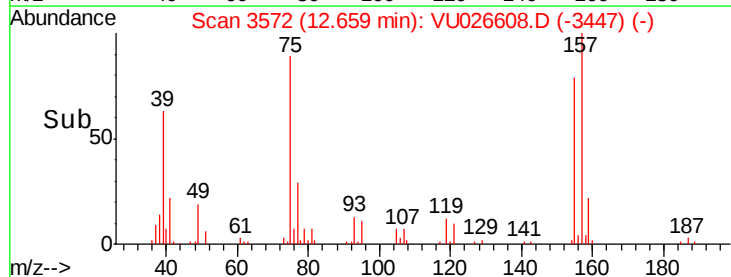
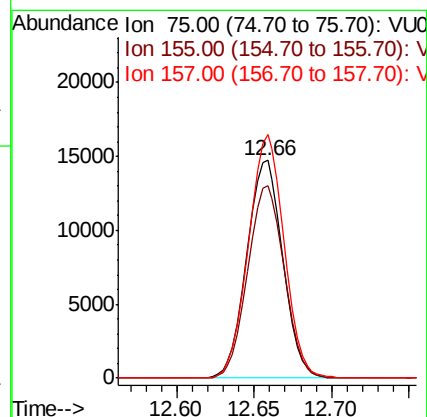
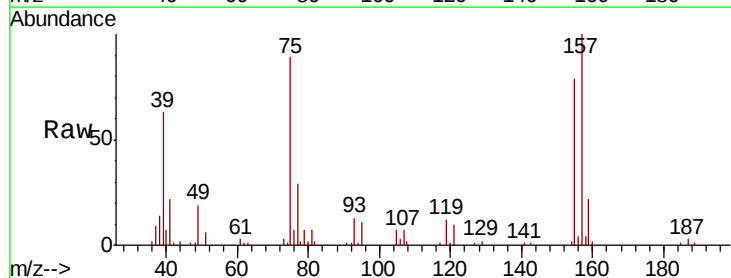
Tgt Ion: 75 Resp: 23914

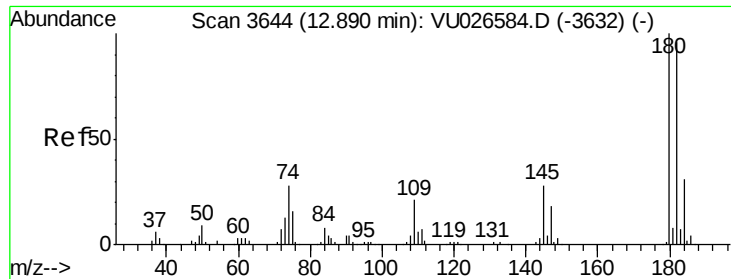
Ion Ratio Lower Upper

75 100

155 88.5 69.8 104.8

157 111.9 89.8 134.8

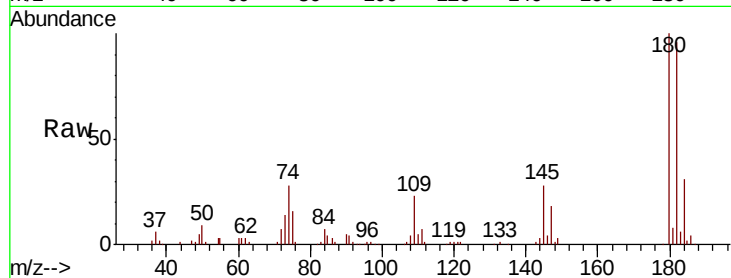




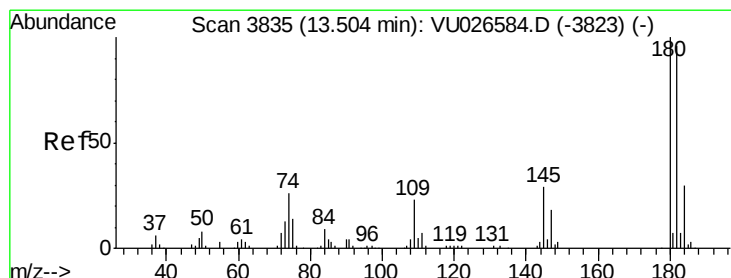
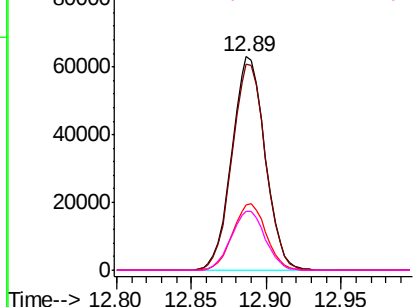
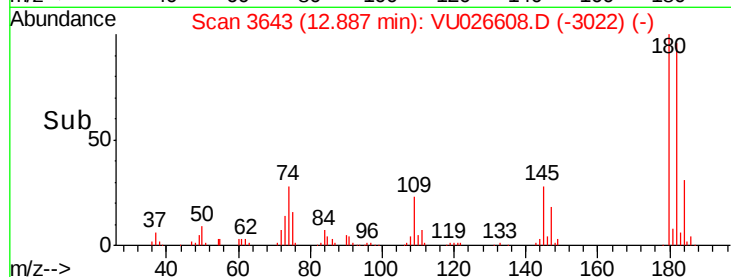
#67
 1,3,5-Trichlorobenzene
 Concen: 52.161 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:180 Resp: 97535
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.5 114.7
 184 31.4 25.0 37.4
 145 28.1 22.3 33.5

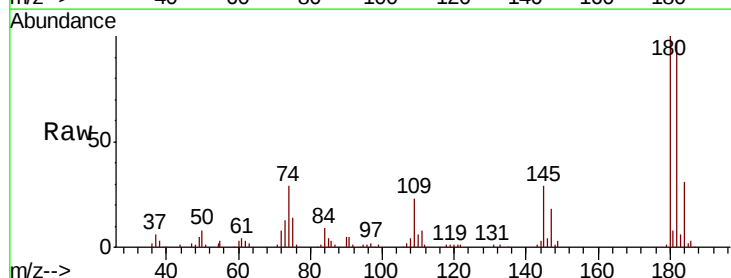


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

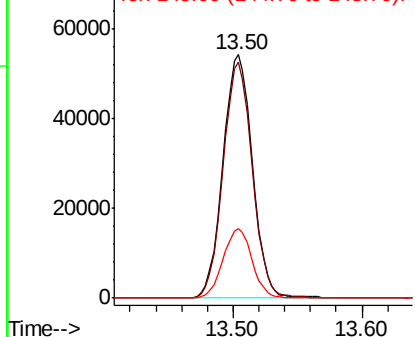
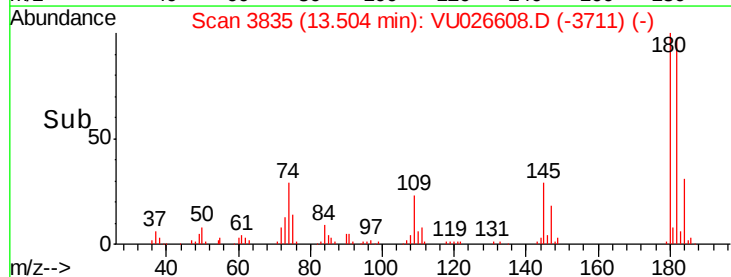


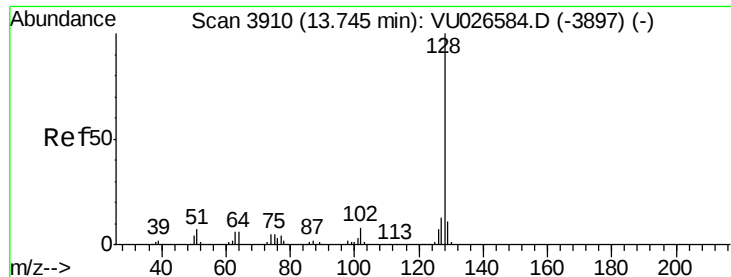
#68
 1,2,4-trichlorobenzene
 Concen: 52.644 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026608.D
 Acq: 07 Sep 2018 03:24

Tgt Ion:180 Resp: 85977
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 27.9 22.4 33.6



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: 58.378 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

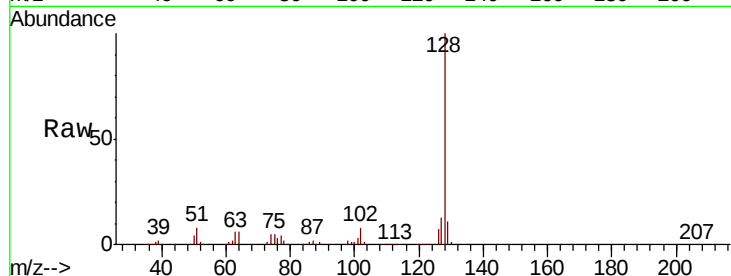
Tgt Ion:128 Resp: 297688

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

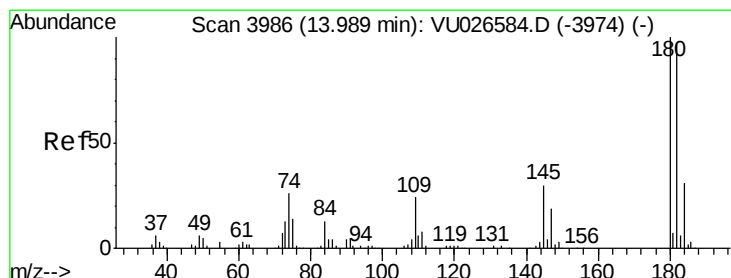
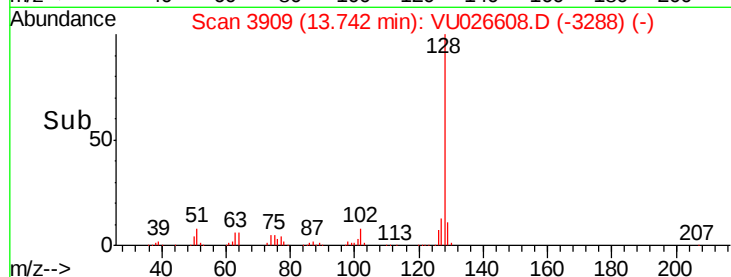
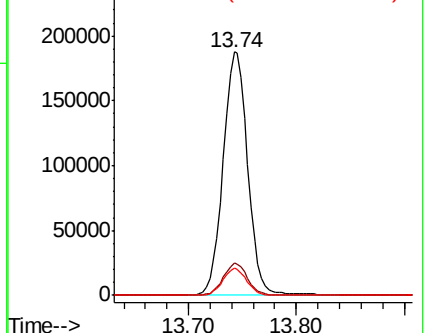
129 10.9 8.5 12.7



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: 55.063 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026608.D

Acq: 07 Sep 2018 03:24

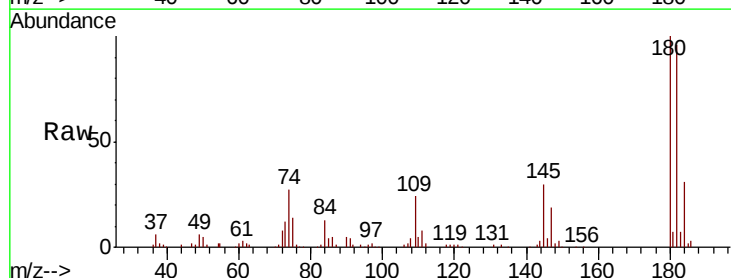
Tgt Ion:180 Resp: 98745

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

145 29.6 23.9 35.9



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

