

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090618\
 Data File : VU026584.D
 Acq On : 06 Sep 2018 17:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Sep 07 04:46:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 04:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	172871	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	162722	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64820	60.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	121.04%
7) Chloroethane-d5	1.67	69	54081	55.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.82%
11) 1,1-Dichloroethene-d2	2.27	63	119340	49.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.96%
21) 2-Butanone-d5	4.18	46	93225	112.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.14%
24) Chloroform-d	4.65	84	110501	54.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.24%
26) 1,2-Dichloroethane-d4	5.31	65	70749	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.06%
32) Benzene-d6	5.34	84	218880	58.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.72%
36) 1,2-Dichloropropane-d6	6.33	67	72770	56.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.96%
41) Toluene-d8	7.57	98	206377	57.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.00%
43) trans-1,3-Dichloropropene-	7.85	79	33046	56.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.34%
47) 2-Hexanone-d5	8.31	63	69534	117.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	104171	54.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	83122	55.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.26%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	66962	49.677 ug/L	98
3) Chloromethane	1.33	50	83349	50.079 ug/L	99
5) Vinyl chloride	1.40	62	87394	48.435 ug/L	99
6) Bromomethane	1.62	94	48554	45.390 ug/L	100
8) Chloroethane	1.69	64	52675	48.623 ug/L	99
9) Trichlorofluoromethane	1.88	101	111256	48.489 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	62089	48.498 ug/L	98
12) 1,1-Dichloroethene	2.28	96	56717	45.964 ug/L	88
13) Acetone	2.32	43	68399	95.021 ug/L	98
14) Carbon disulfide	2.48	76	172605	49.429 ug/L	100
15) Methyl Acetate	2.62	43	75150	53.169 ug/L	99
16) Methylene chloride	2.70	84	66900	52.733 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	58205	52.150 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	190313	56.170 ug/L	99
19) 1,1-Dichloroethane	3.45	63	116634	53.183 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	68416	54.719 ug/L	98
22) 2-Butanone	4.26	43	105664	109.207 ug/L	99

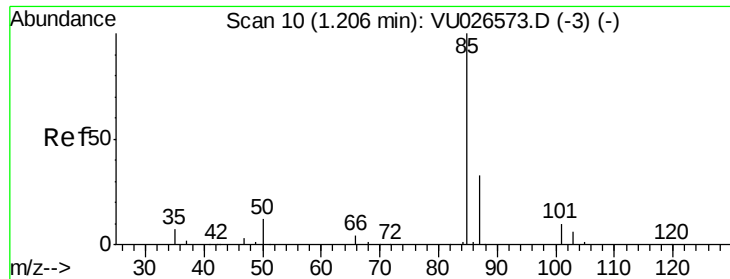
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	34628	53.756	ug/L	93
25) Chloroform	4.67	83	118154	52.755	ug/L	99
27) 1,2-Dichloroethane	5.41	62	94563	52.351	ug/L	99
29) Cyclohexane	5.00	56	100949	56.938	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	98416	54.961	ug/L	98
31) Carbon tetrachloride	5.14	117	88301	54.272	ug/L	99
33) Benzene	5.39	78	258171	55.341	ug/L	100
34) Trichloroethene	6.19	95	63639	54.386	ug/L	99
35) Methylcyclohexane	6.42	83	104170	57.013	ug/L	98
37) 1,2-Dichloropropane	6.43	63	73542	56.945	ug/L	100
38) Bromodichloromethane	6.76	83	90865	55.173	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	103876	56.448	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	200887	115.340	ug/L	99
42) Toluene	7.64	91	271914	55.860	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	96818	55.200	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	65920	55.718	ug/L	98
46) Tetrachloroethene	8.23	164	52646	55.030	ug/L	98
48) 2-Hexanone	8.36	43	157169	114.577	ug/L	98
49) Dibromochloromethane	8.48	129	74047	55.546	ug/L	97
50) 1,2-Dibromoethane	8.59	107	69823	55.422	ug/L	96
51) Chlorobenzene	9.12	112	175421	53.890	ug/L	98
52) Ethylbenzene	9.25	91	295187	55.757	ug/L	99
53) m,p-Xylene	9.38	106	113130	57.229	ug/L	99
54) o-xylene	9.78	106	112466	58.340	ug/L	96
55) Styrene	9.79	104	192197	57.072	ug/L	97
56) Isopropylbenzene	10.17	105	287220	56.918	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	115009	55.186	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	88550	54.950	ug/L	99
61) Bromoform	9.96	173	56950	56.028	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	133915	55.568	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	136842	53.685	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	141755	55.768	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	24317	56.893	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	105800	54.400	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	93280	54.913	ug/L	99
69) Naphthalene	13.75	128	310765	58.593	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	103174	55.315	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.677 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

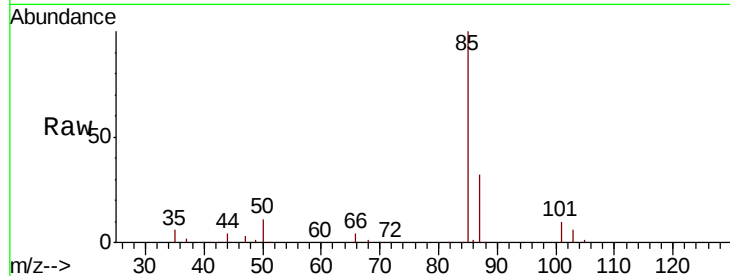
VSTD05041

Tgt Ion: 85 Resp: 66962

Ion Ratio Lower Upper

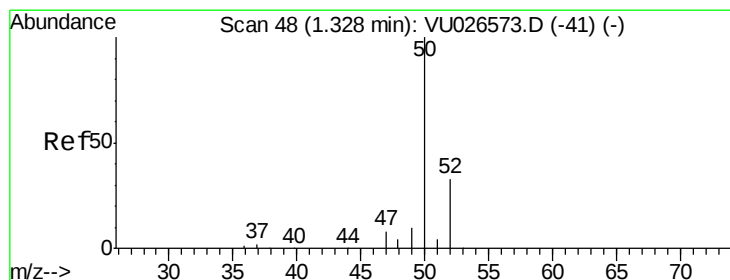
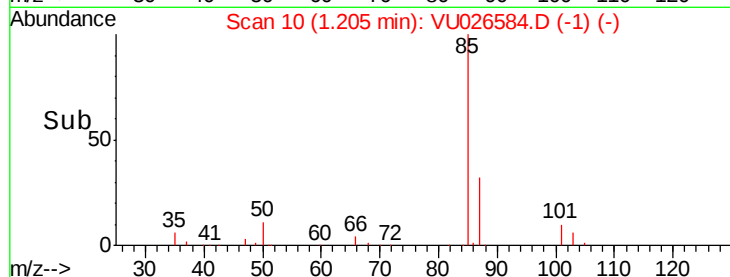
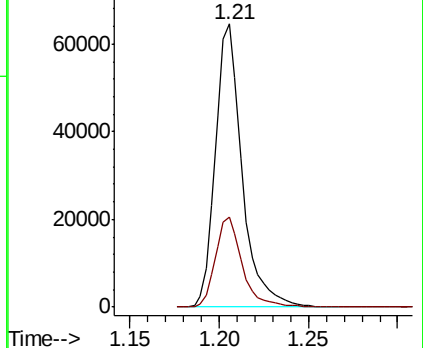
85 100

87 31.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU026573.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU026573.D (-3) (-)



#3

Chloromethane

Concen: 50.079 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026584.D

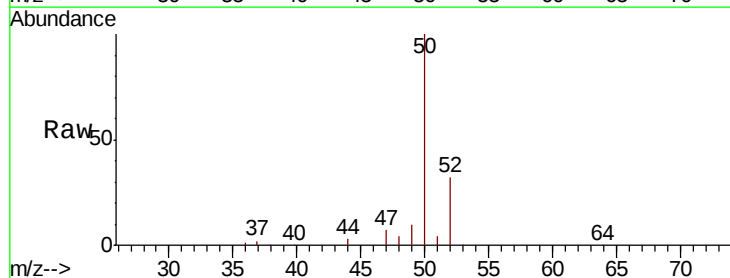
Acq: 06 Sep 2018 17:09

Tgt Ion: 50 Resp: 83349

Ion Ratio Lower Upper

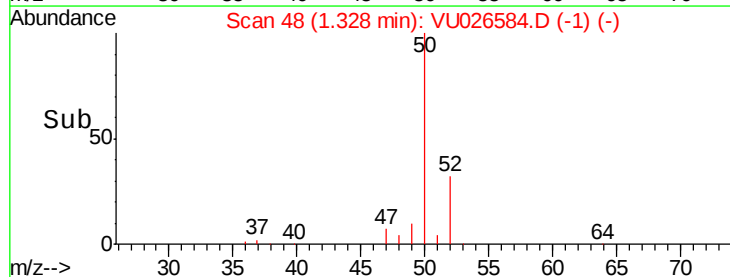
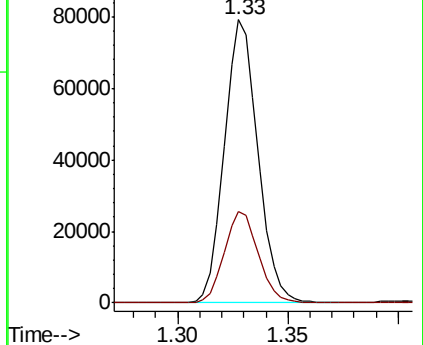
50 100

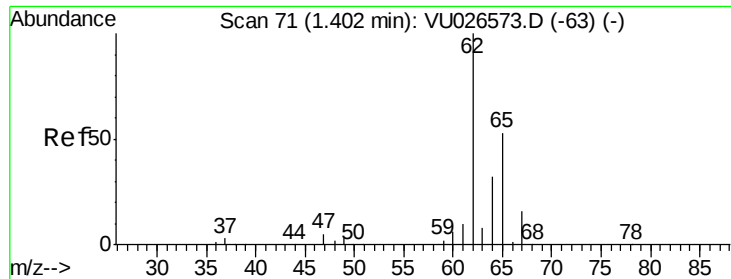
52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU026573.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU026573.D (-41) (-)





#5

Vinyl chloride

Concen: 48.435 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

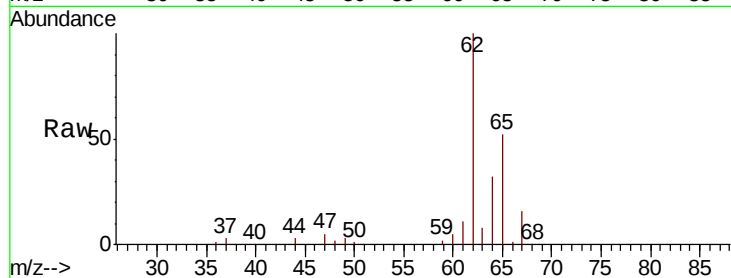
VSTD05041

Tgt Ion: 62 Resp: 87394

Ion Ratio Lower Upper

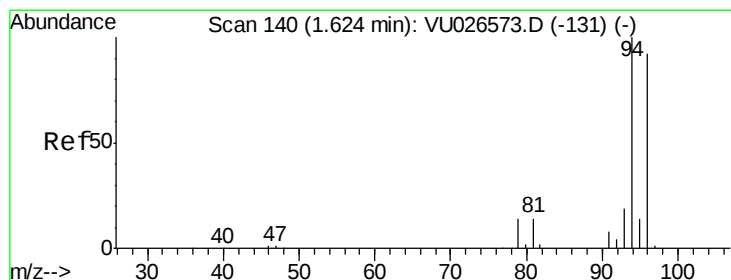
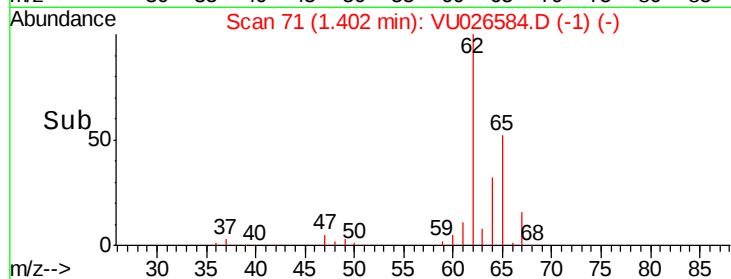
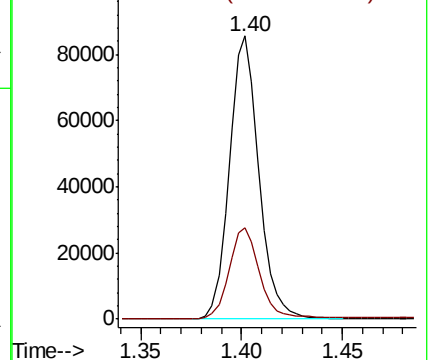
62 100

64 32.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 45.390 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU026584.D

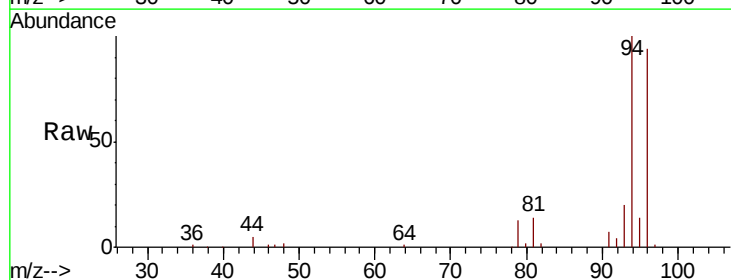
Acq: 06 Sep 2018 17:09

Tgt Ion: 94 Resp: 48554

Ion Ratio Lower Upper

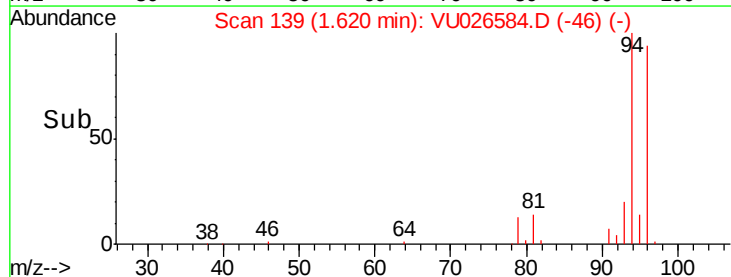
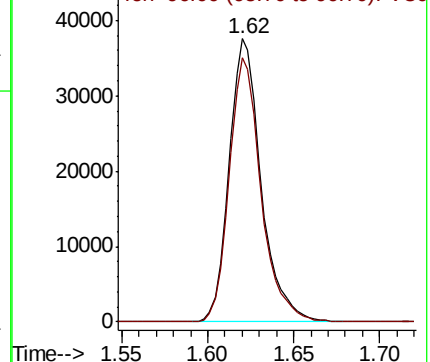
94 100

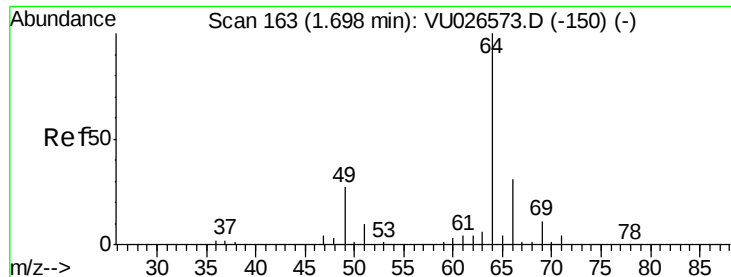
96 93.5 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.623 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

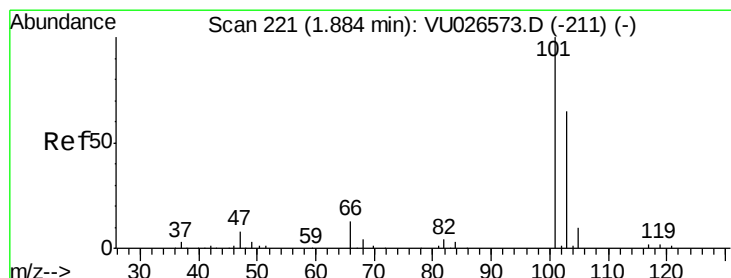
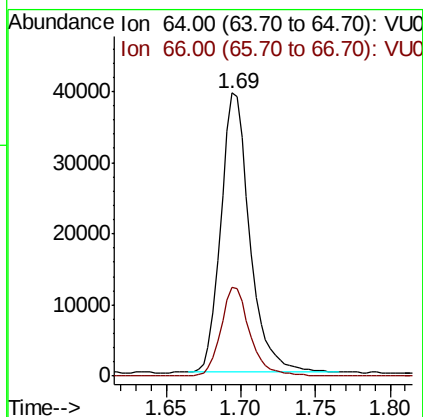
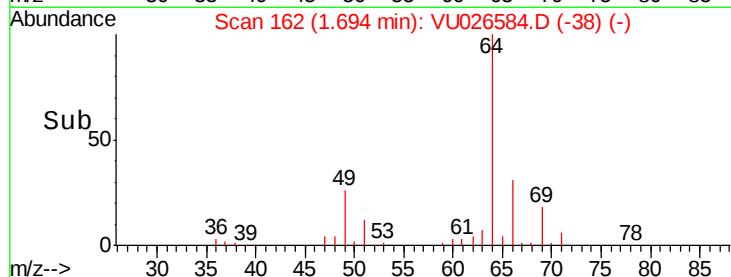
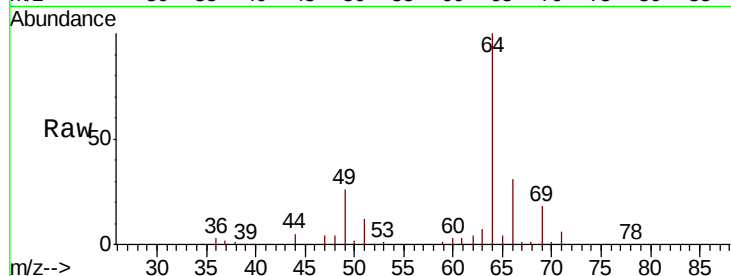
VSTD05041

Tgt Ion: 64 Resp: 52675

Ion Ratio Lower Upper

64 100

66 31.2 22.2 41.2



#9

Trichlorofluoromethane

Concen: 48.489 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU026584.D

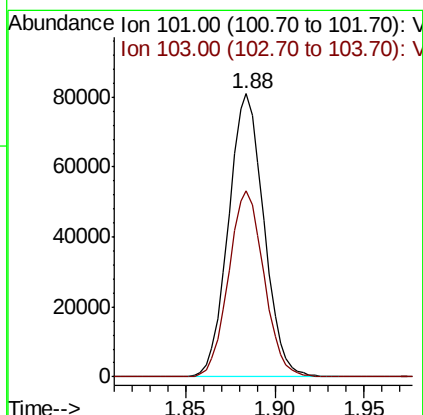
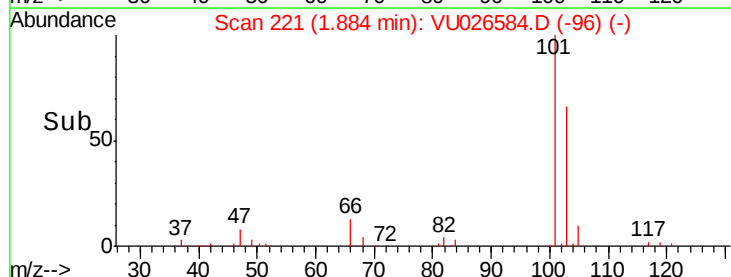
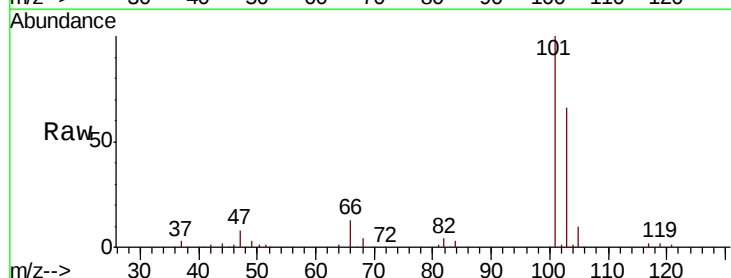
Acq: 06 Sep 2018 17:09

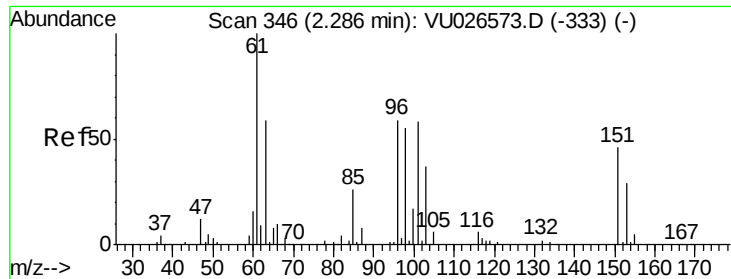
Tgt Ion: 101 Resp: 111256

Ion Ratio Lower Upper

101 100

103 65.6 52.7 79.1





#10

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

Concen: 48.498 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

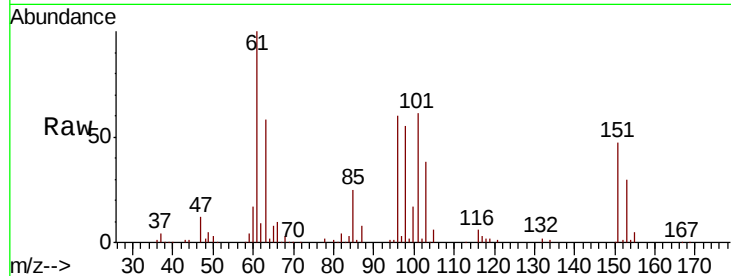
Tgt Ion:101 Resp: 62089

Ion Ratio Lower Upper

101 100

85 42.1 35.3 52.9

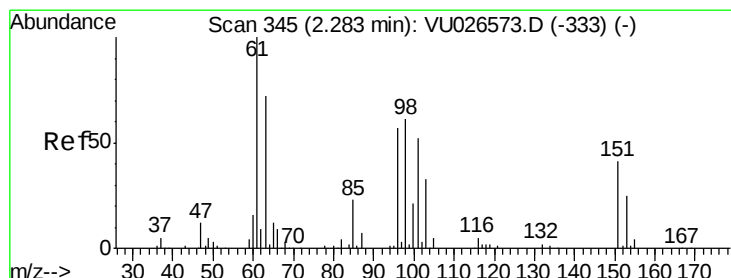
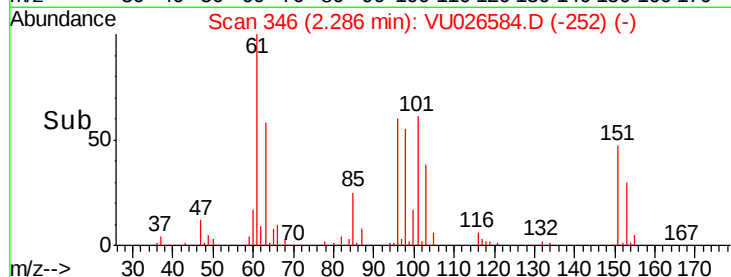
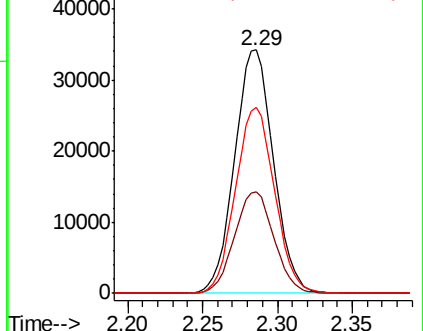
151 76.7 60.7 91.1



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: 45.964 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

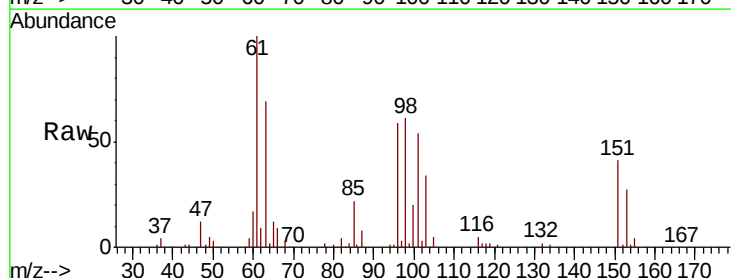
Tgt Ion: 96 Resp: 56717

Ion Ratio Lower Upper

96 100

61 169.0 129.3 240.1

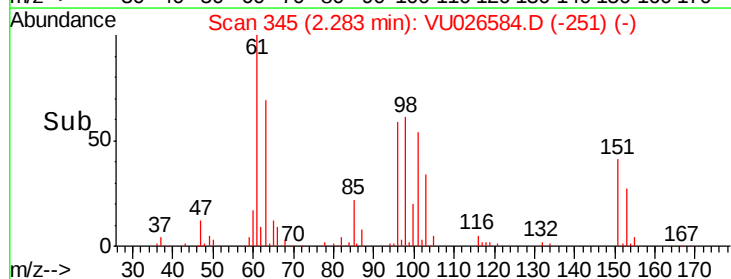
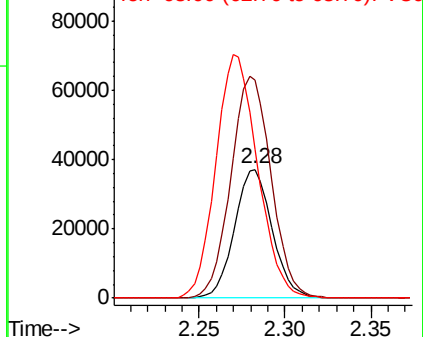
63 115.9 91.7 170.3

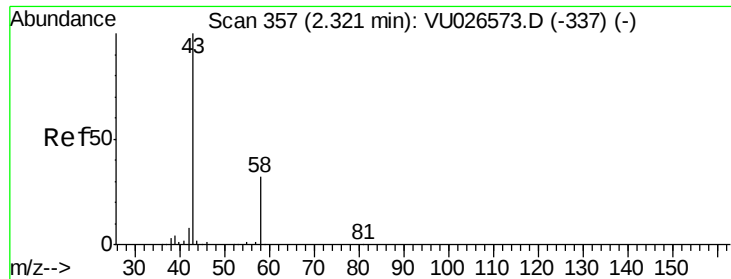


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.021 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

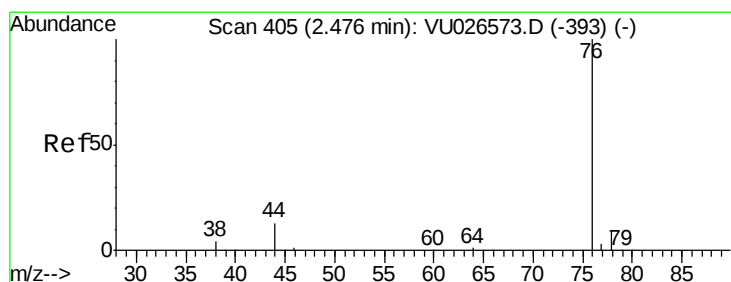
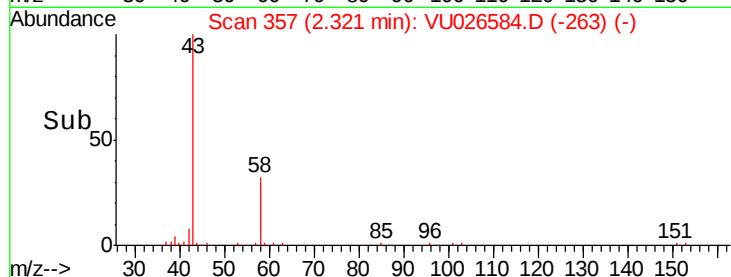
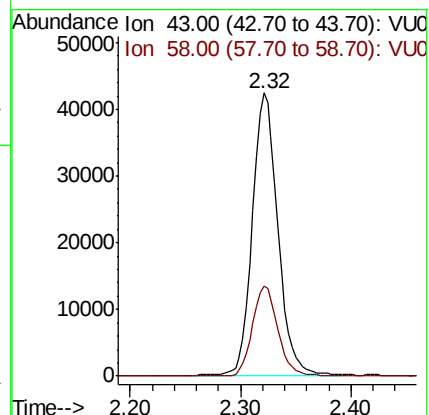
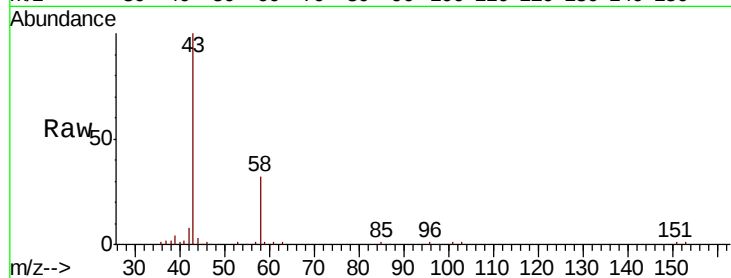
VSTD05041

Tgt Ion: 43 Resp: 68399

Ion Ratio Lower Upper

43 100

58 31.7 0.0 61.2



#14

Carbon disulfide

Concen: 49.429 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026584.D

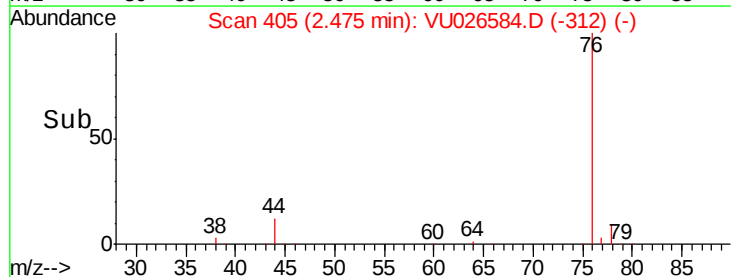
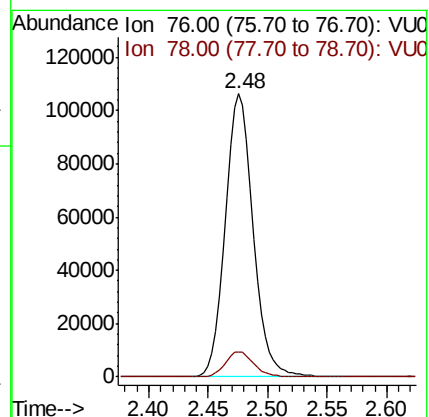
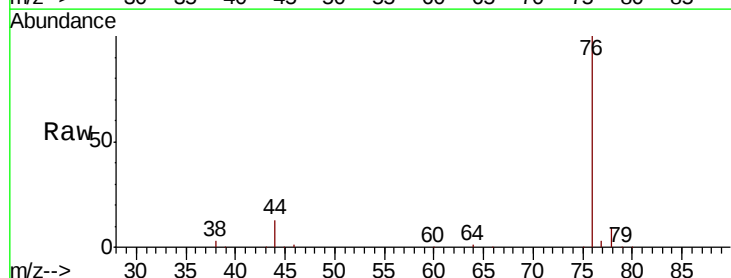
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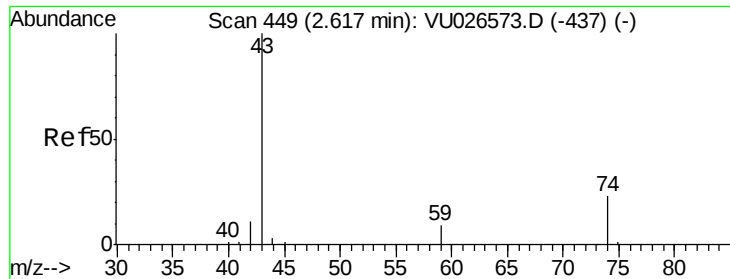
Tgt Ion: 76 Resp: 172605

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

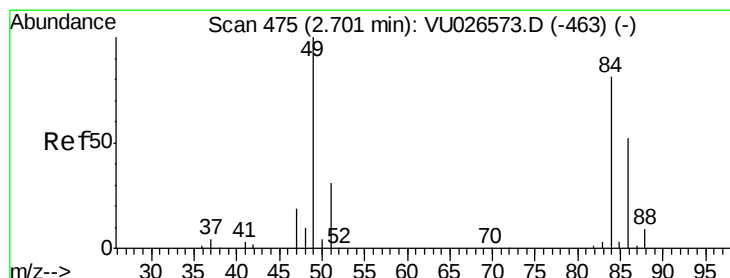
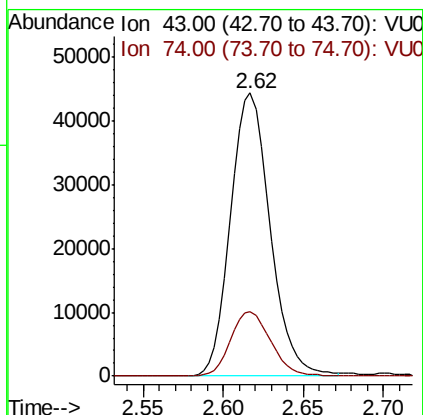
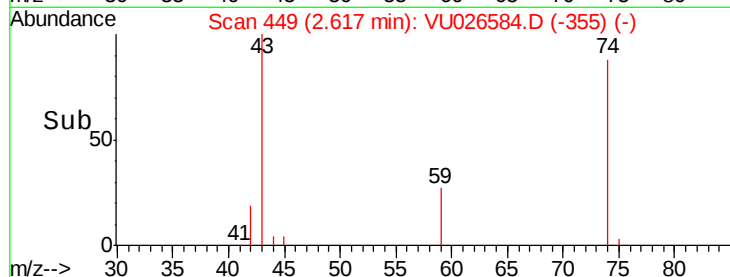
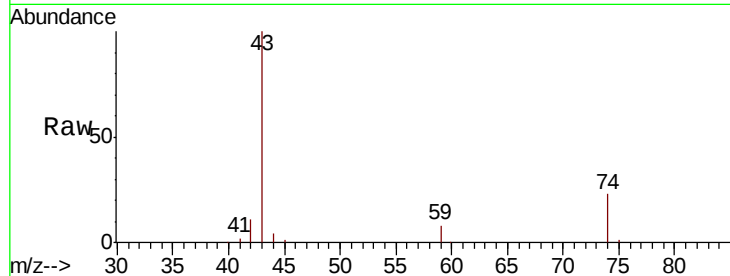




#15
Methyl Acetate
Concen: 53.169 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

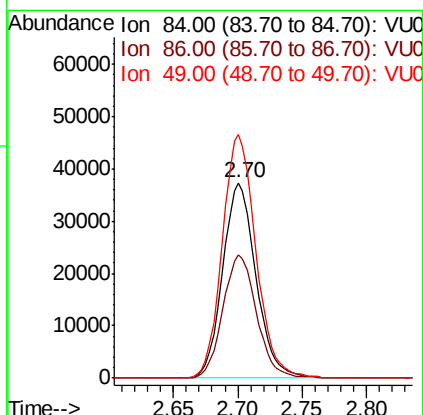
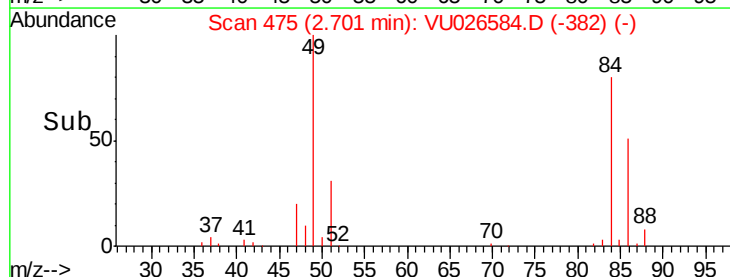
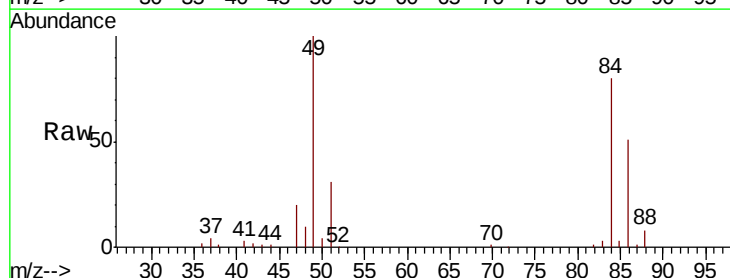
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

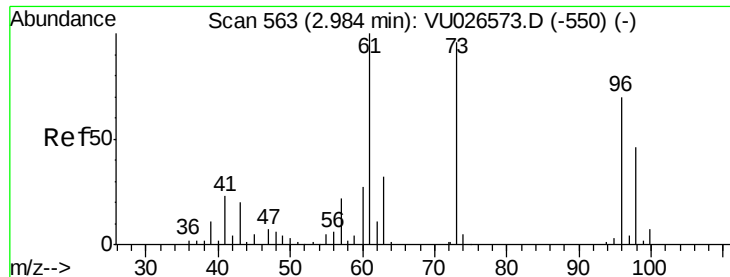
Tgt Ion: 43 Resp: 75150
Ion Ratio Lower Upper
43 100
74 22.9 17.8 26.6



#16
Methylene chloride
Concen: 52.733 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Tgt Ion: 84 Resp: 66900
Ion Ratio Lower Upper
84 100
86 63.0 46.2 85.8
49 124.5 88.2 163.8

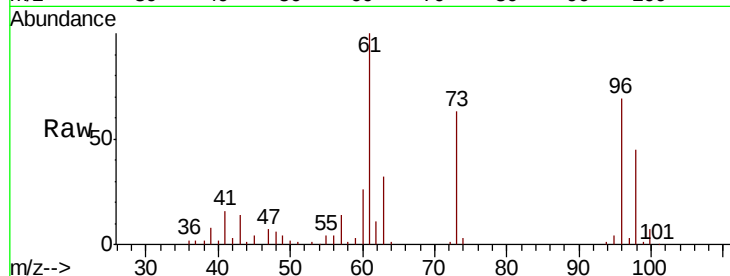




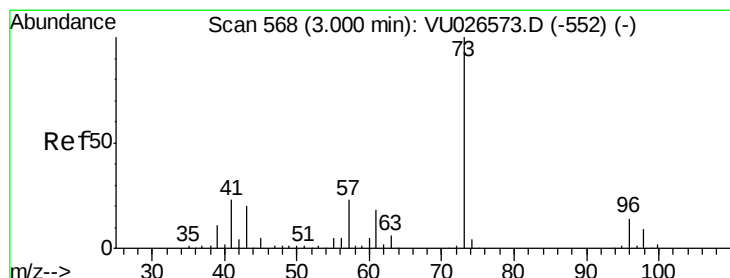
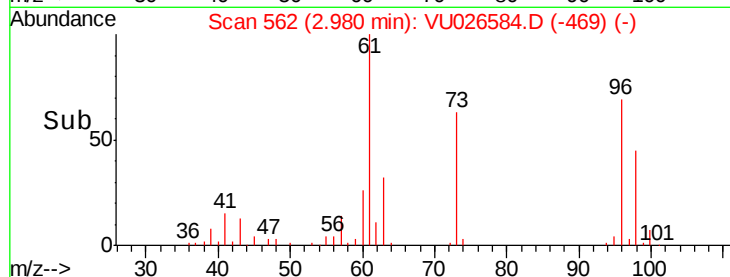
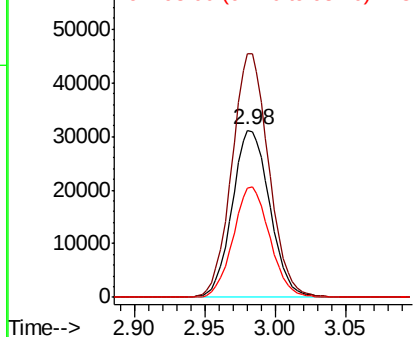
#17
trans-1,2-Dichloroethene
Concen: 52.150 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Tgt Ion: 96 Resp: 58205
Ion Ratio Lower Upper
96 100
61 145.8 103.2 191.6
98 65.8 44.9 83.3

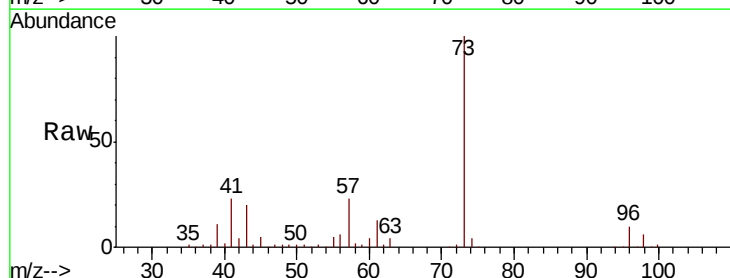


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

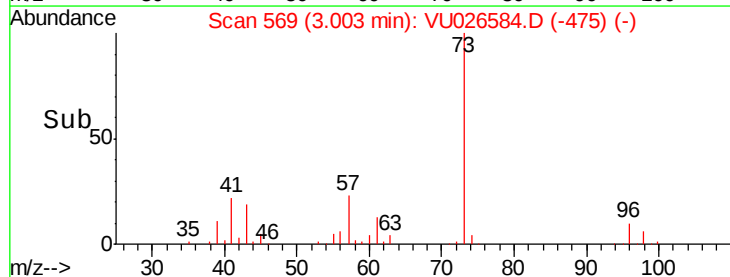
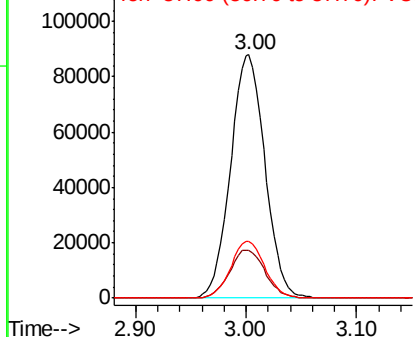


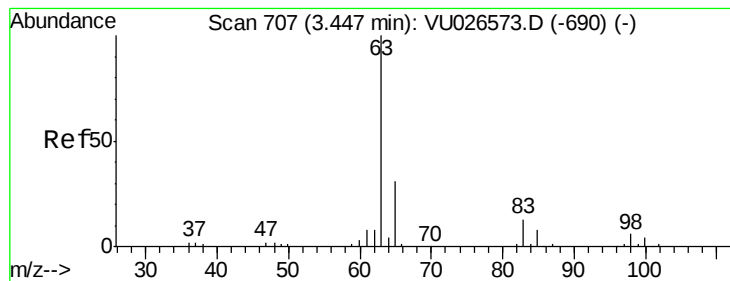
#18
Methyl tert-butyl Ether
Concen: 56.170 ug/L
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Tgt Ion: 73 Resp: 190313
Ion Ratio Lower Upper
73 100
43 20.3 16.6 25.0
57 23.1 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: 53.183 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

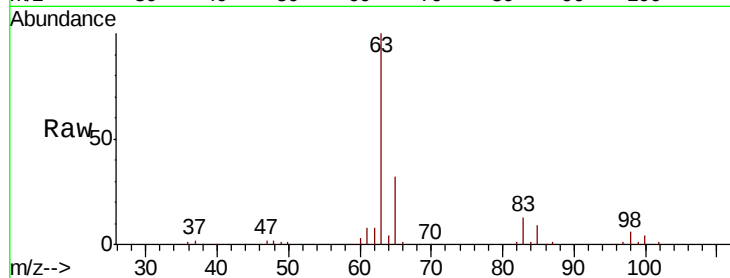
Tgt Ion: 63 Resp: 116634

Ion Ratio Lower Upper

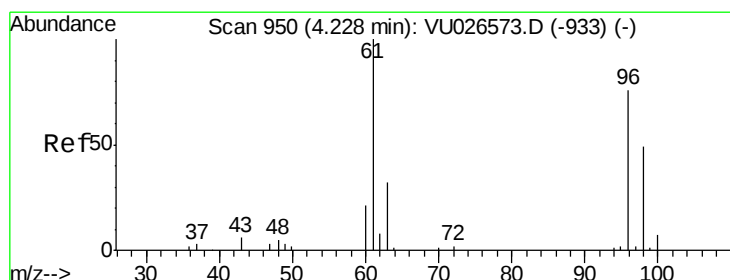
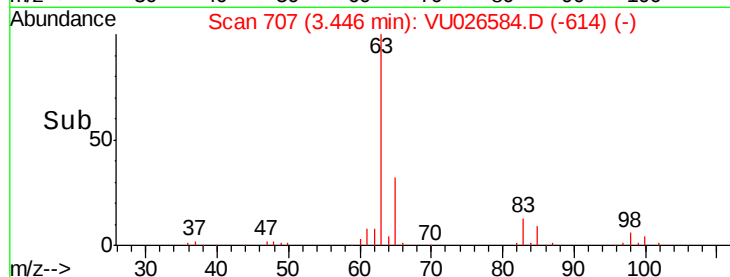
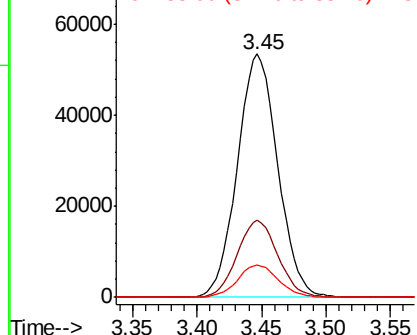
63 100

65 31.8 21.6 40.2

83 13.2 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: 54.719 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

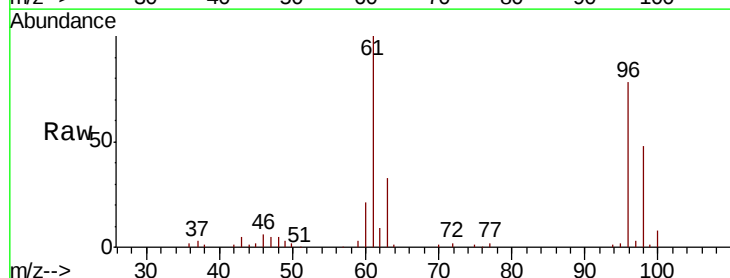
Tgt Ion: 96 Resp: 68416

Ion Ratio Lower Upper

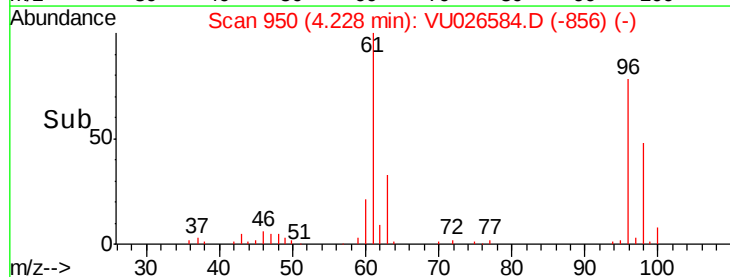
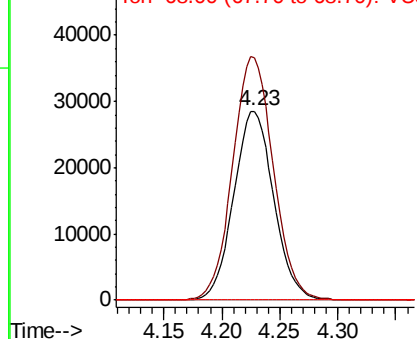
96 100

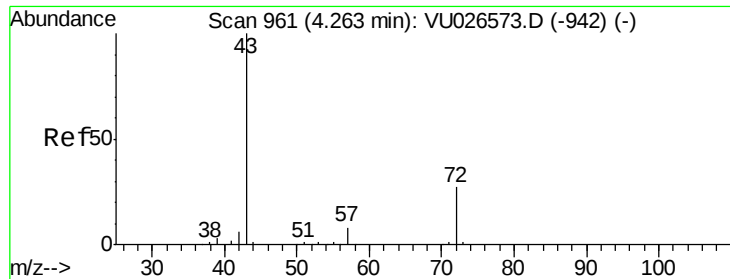
61 128.3 91.6 170.2

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: 109.207 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

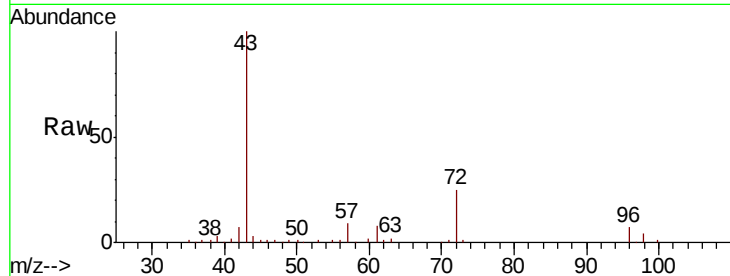
VSTD05041

Tgt Ion: 43 Resp: 105664

Ion Ratio Lower Upper

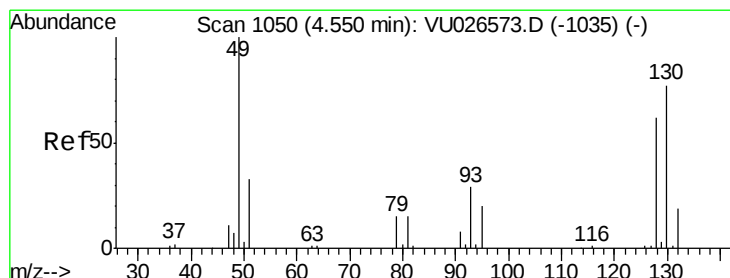
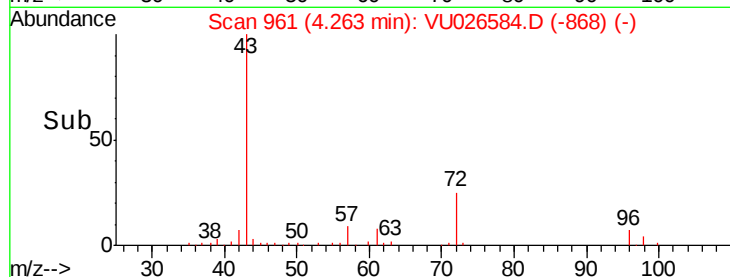
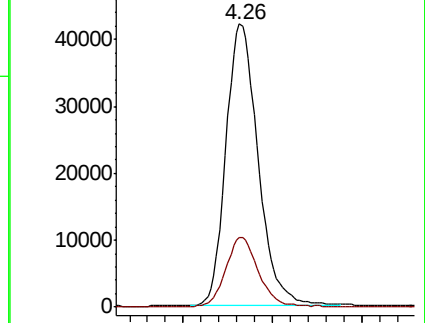
43 100

72 25.2 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026573.D (-942) (-)

Ion 72.00 (71.70 to 72.70): VU026573.D (-942) (-)



#23

Bromochloromethane

Concen: 53.756 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Tgt Ion: 128 Resp: 34628

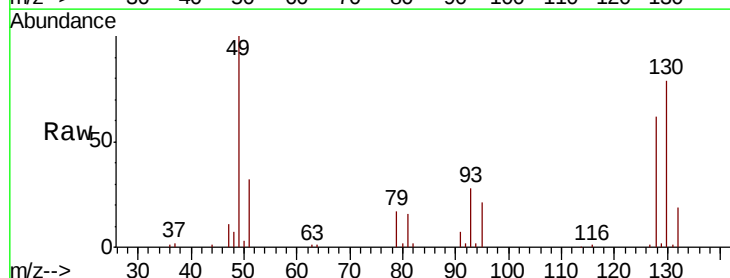
Ion Ratio Lower Upper

128 100

49 161.8 121.2 225.0

130 127.8 94.1 174.7

51 51.6 45.1 67.7

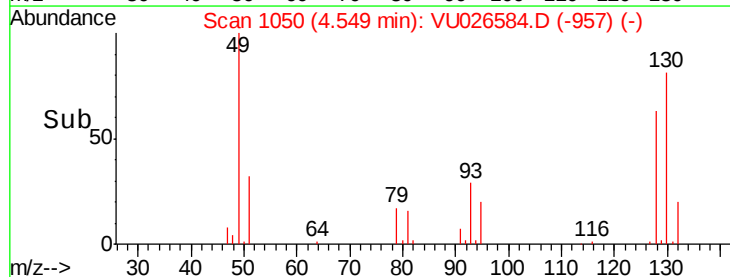
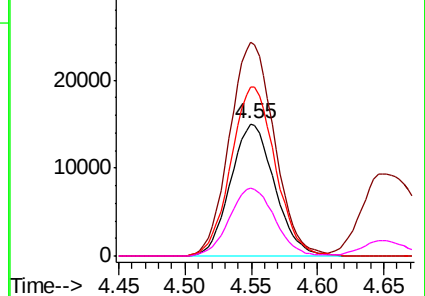


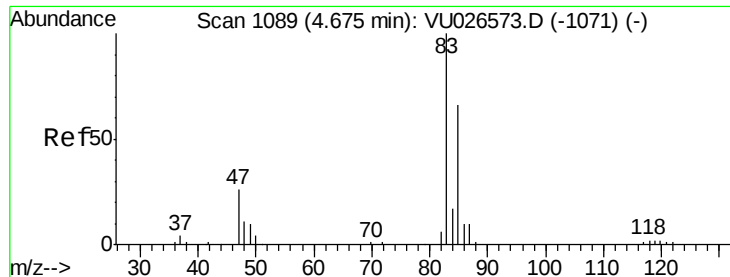
Abundance Ion 128.00 (127.70 to 128.70): VU026573.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU026573.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU026573.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU026573.D (-1035) (-)

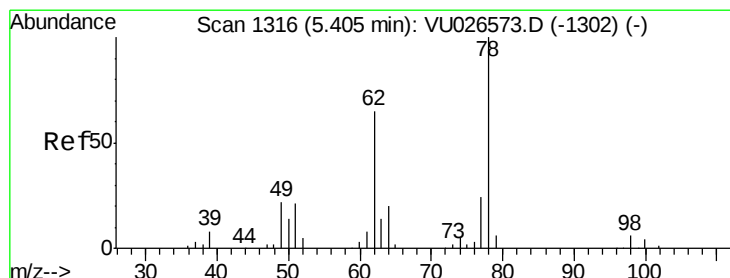
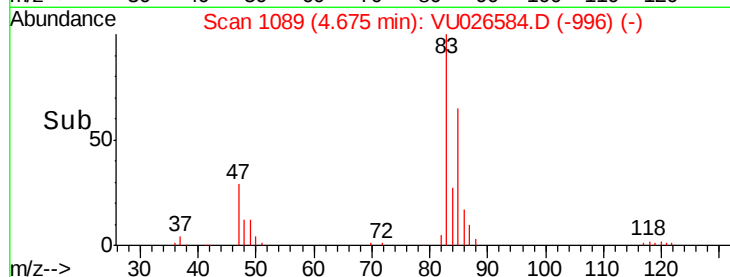
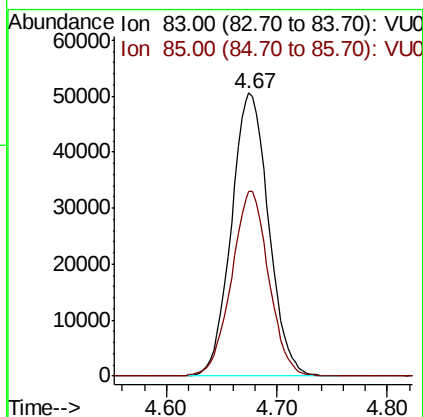
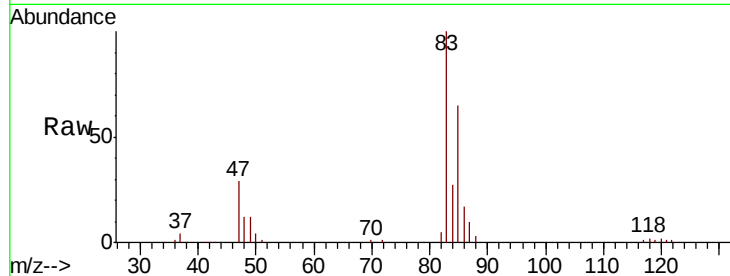




#25
Chloroform
Concen: 52.755 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

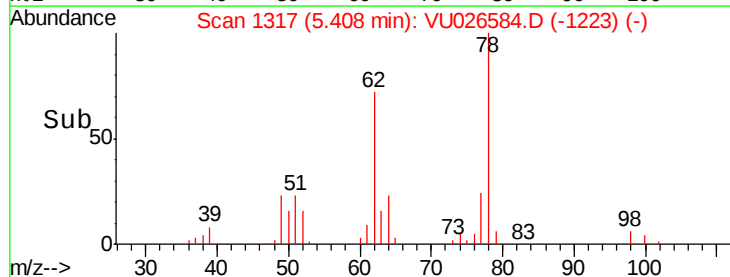
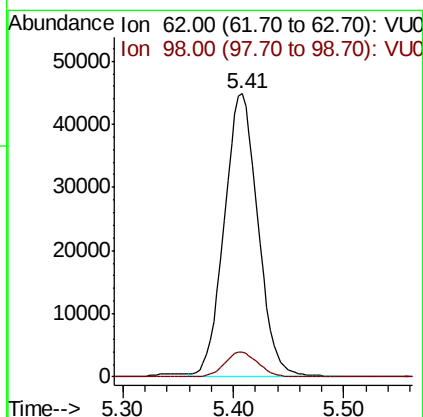
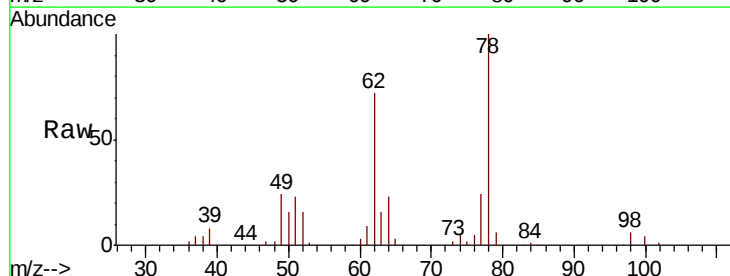
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

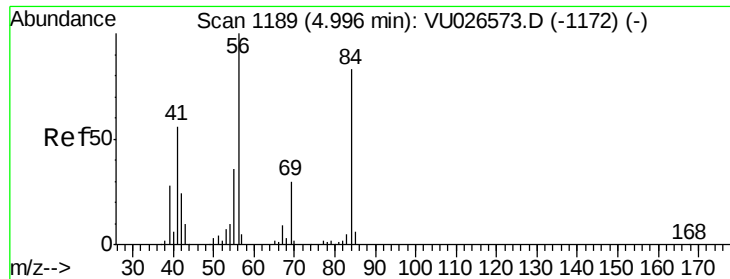
Tgt Ion: 83 Resp: 118154
Ion Ratio Lower Upper
83 100
85 65.3 46.5 86.5



#27
1,2-Dichloroethane
Concen: 52.351 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Tgt Ion: 62 Resp: 94563
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

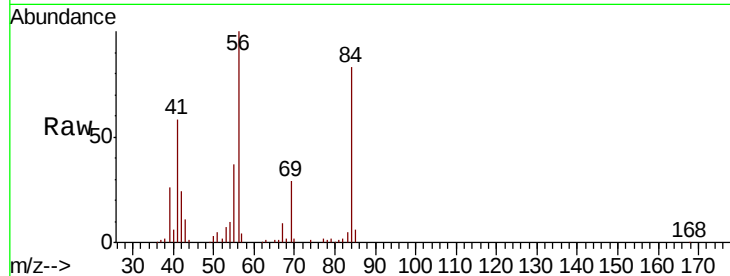




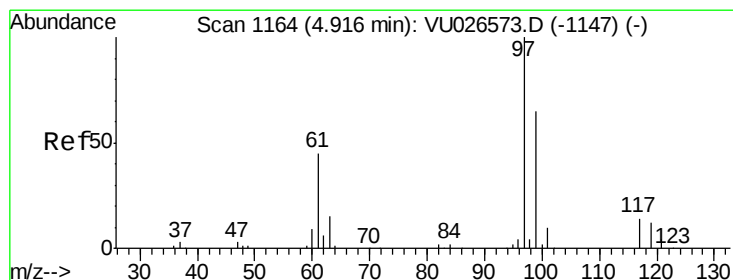
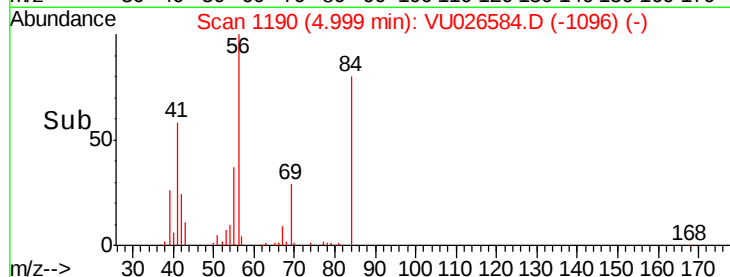
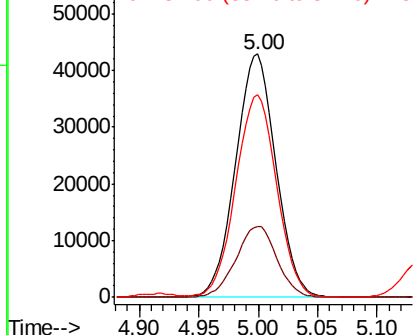
#29
Cyclohexane
Concen: 56.938 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Tgt Ion: 56 Resp: 100949
Ion Ratio Lower Upper
56 100
69 29.6 24.0 36.0
84 84.6 67.2 100.8

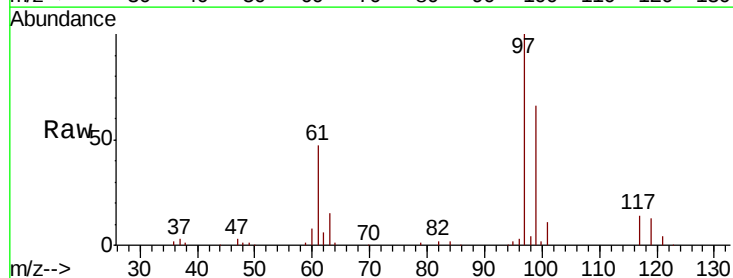


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

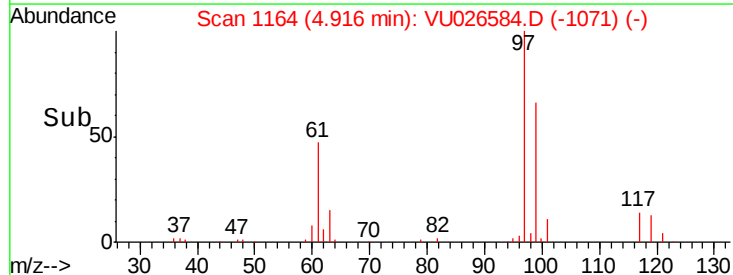
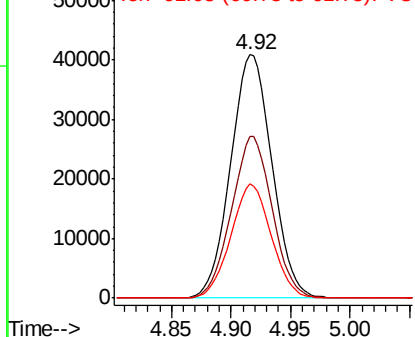


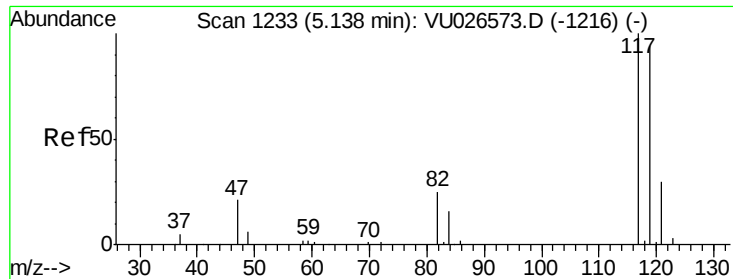
#30
1,1,1-Trichloroethane
Concen: 54.961 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Tgt Ion: 97 Resp: 98416
Ion Ratio Lower Upper
97 100
99 65.4 51.6 77.4
61 45.8 37.9 56.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 54.272 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

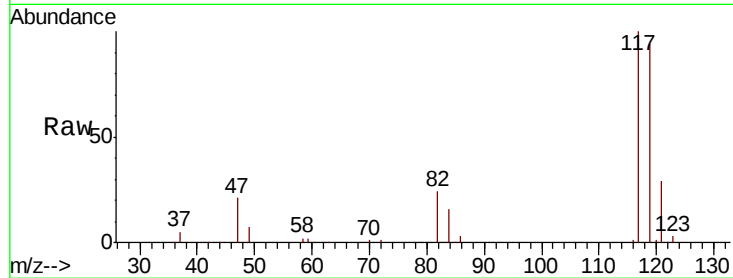
VSTD05041

Tgt Ion:117 Resp: 88301

Ion Ratio Lower Upper

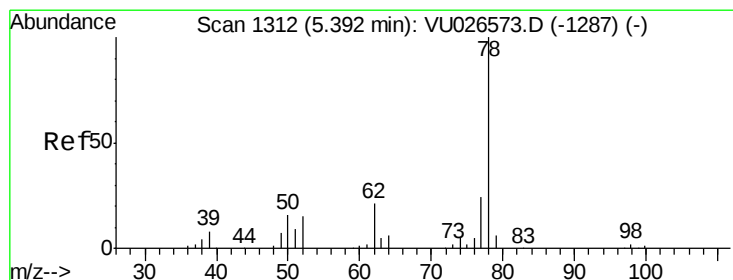
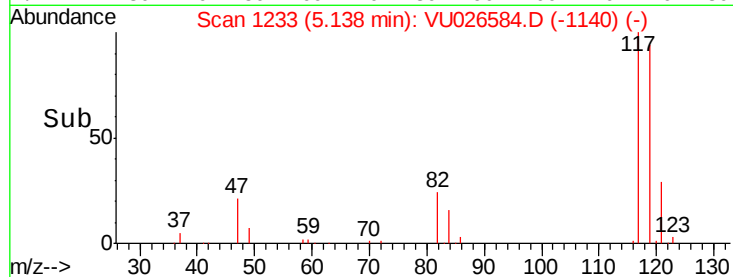
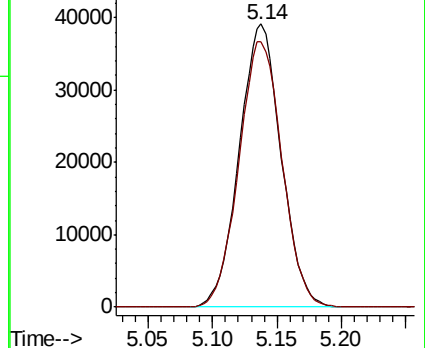
117 100

119 96.5 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.341 ug/L

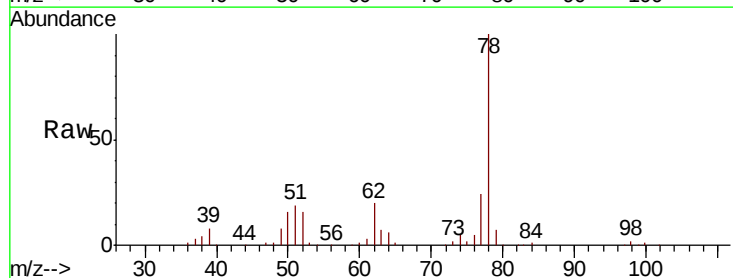
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

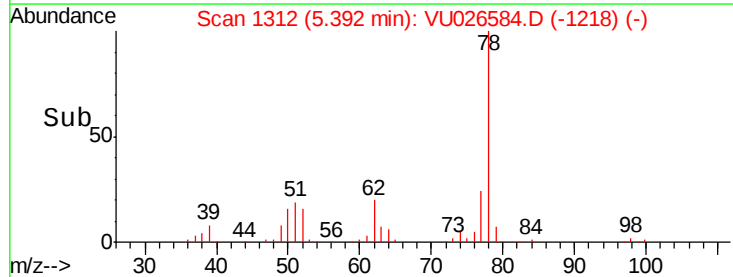
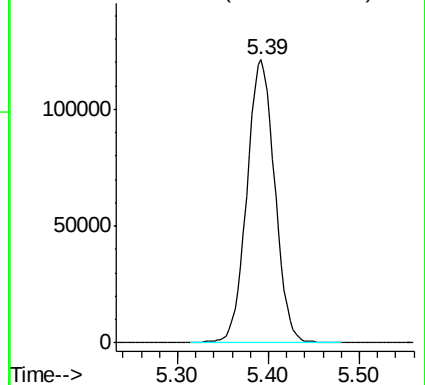
Lab File: VU026584.D

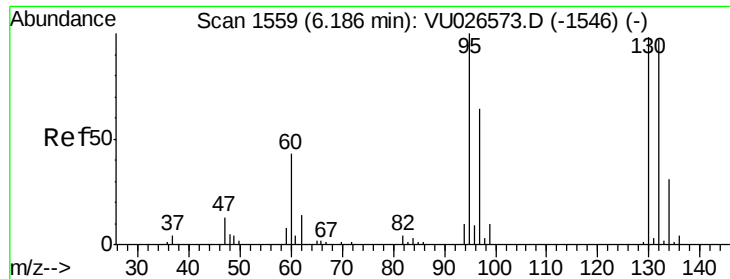
Acq: 06 Sep 2018 17:09

Tgt Ion: 78 Resp: 258171



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 54.386 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleID :

VSTD05041

Tgt Ion: 95 Resp: 63639

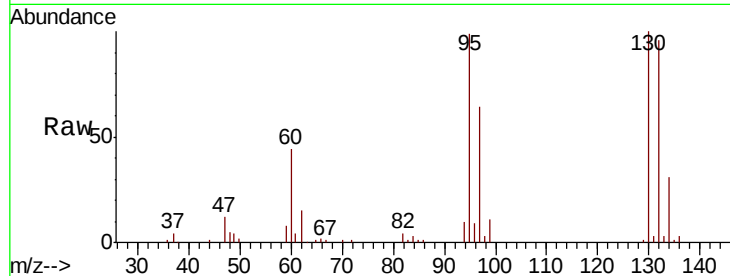
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.7

132 96.7 67.5 125.3

130 101.1 69.3 128.7



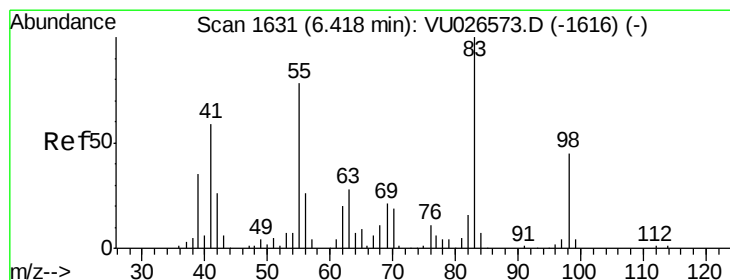
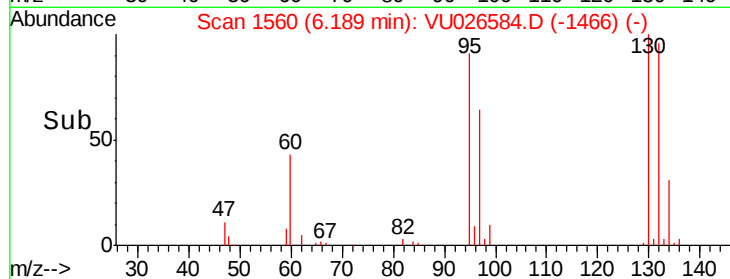
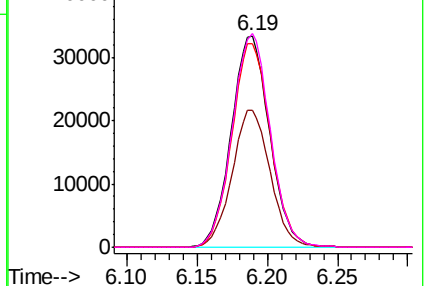
Abundance

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: 57.013 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

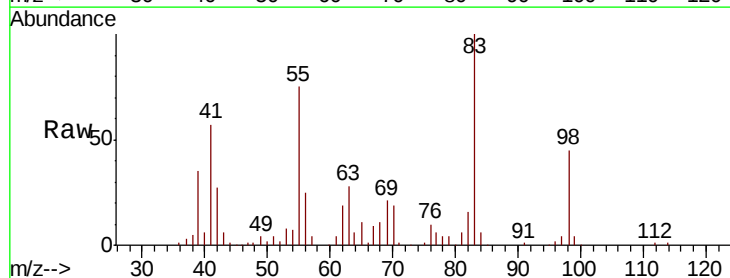
Tgt Ion: 83 Resp: 104170

Ion Ratio Lower Upper

83 100

55 76.9 63.3 94.9

98 45.7 36.7 55.1

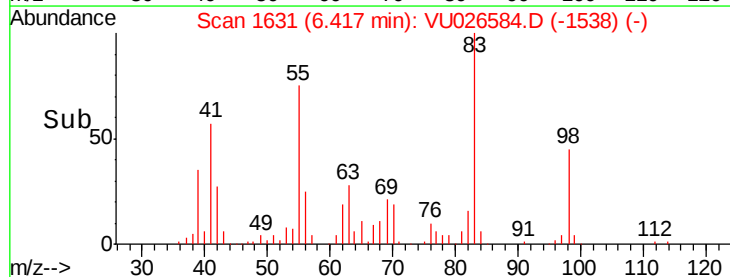
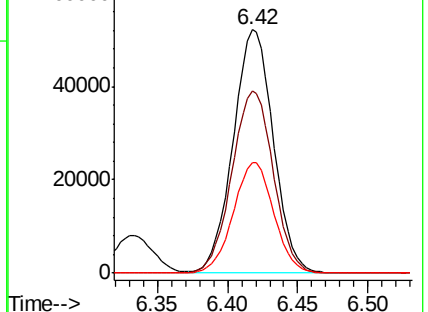


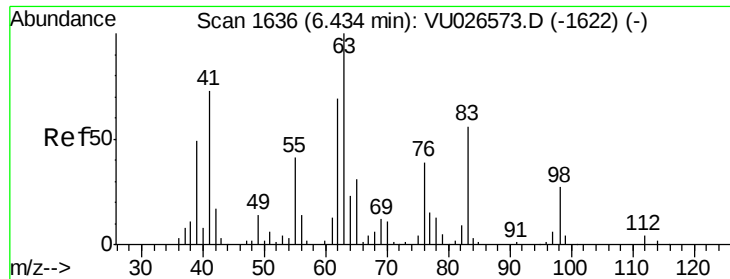
Abundance

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

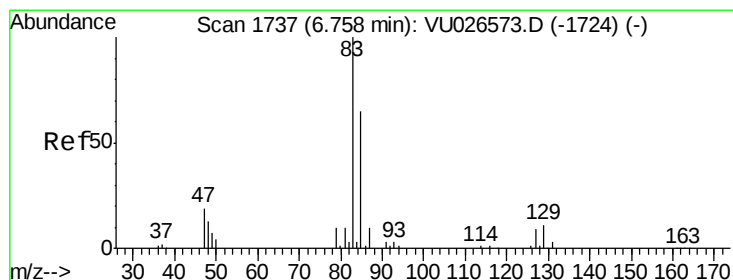
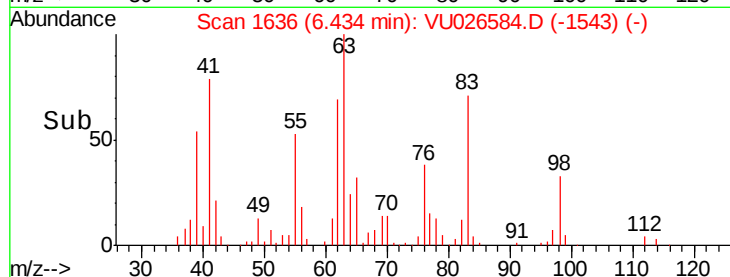
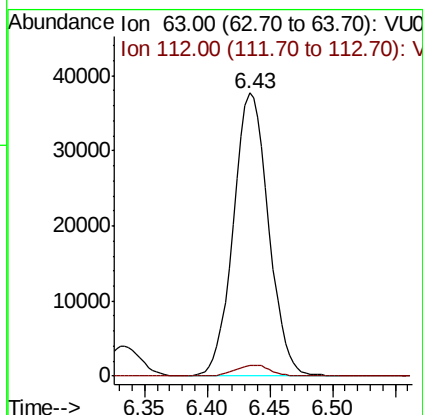
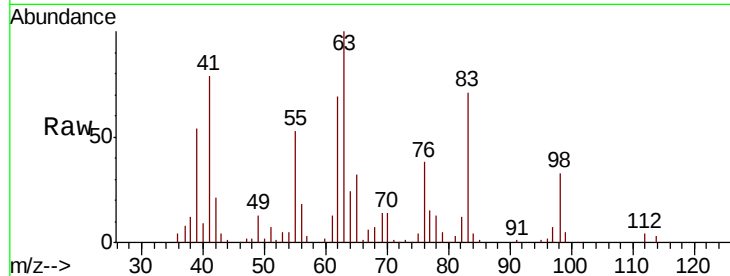




#37
 1,2-Dichloropropane
 Concen: 56.945 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

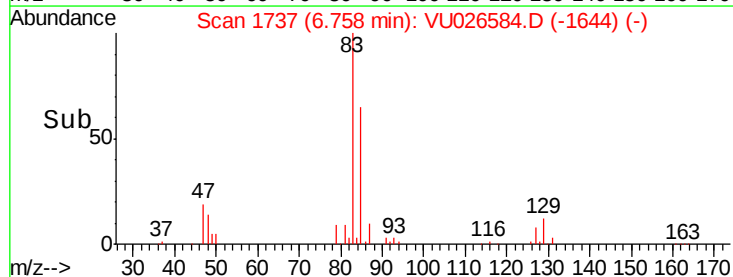
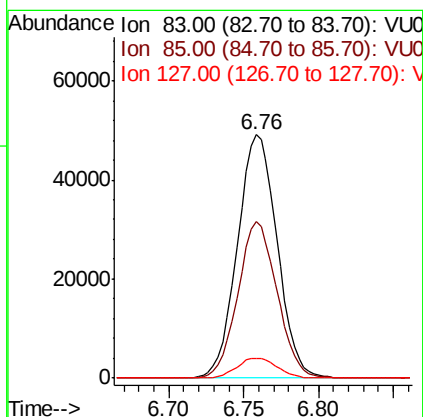
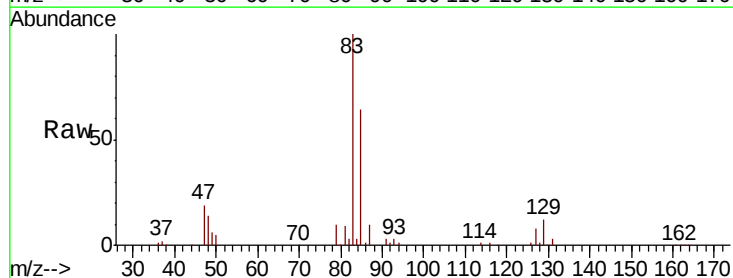
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

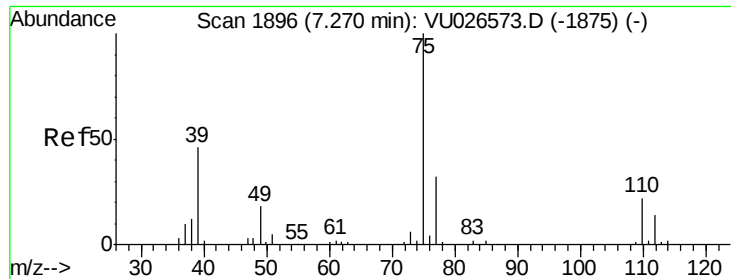
Tgt Ion: 63 Resp: 73542
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 55.173 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

Tgt Ion: 83 Resp: 90865
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.9 81.5
 127 8.1 7.0 10.6

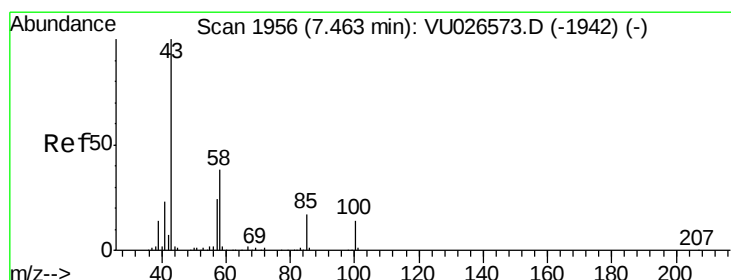
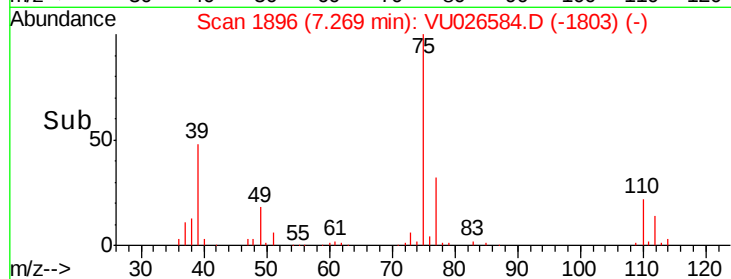
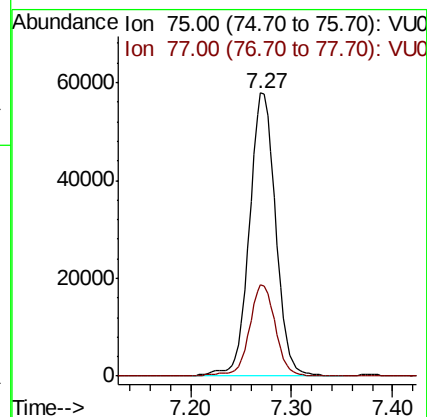
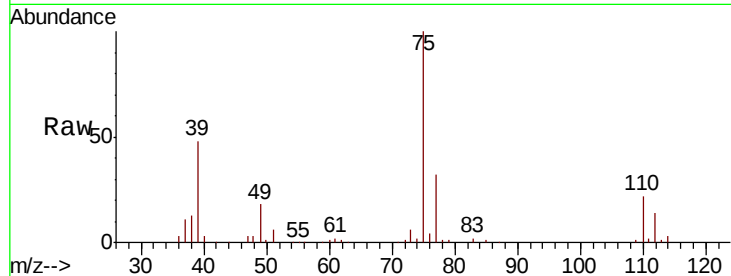




#39
 cis-1,3-Dichloropropene
 Concen: 56.448 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

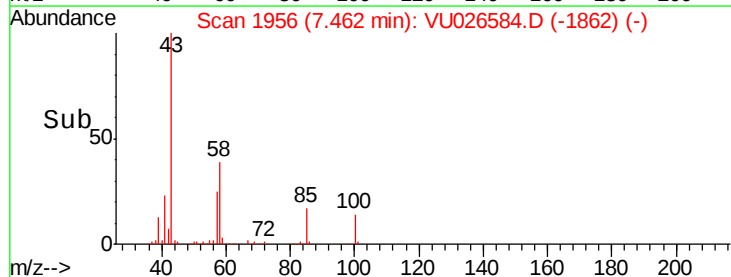
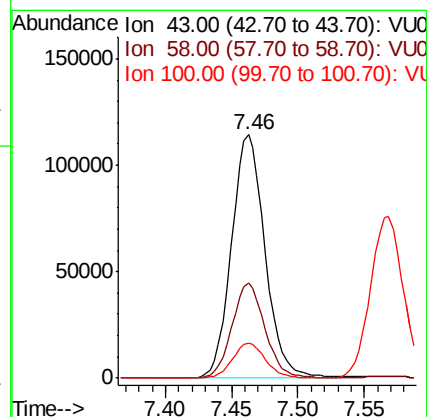
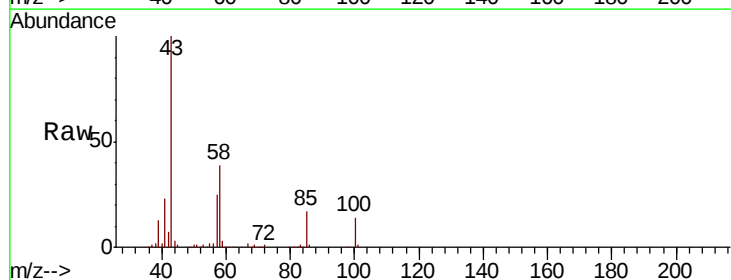
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

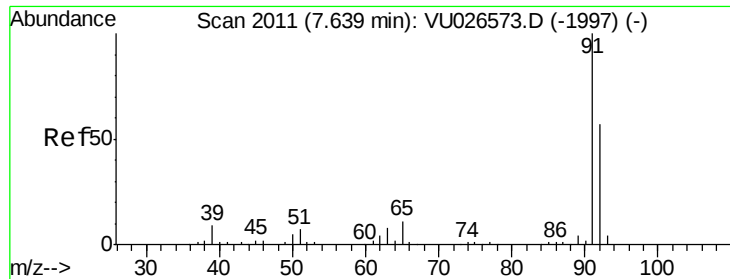
Tgt Ion: 75 Resp: 103876
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 115.340 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

Tgt Ion: 43 Resp: 200887
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.4 45.6
 100 14.1 11.0 16.4





#42

Toluene

Concen: 55.860 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

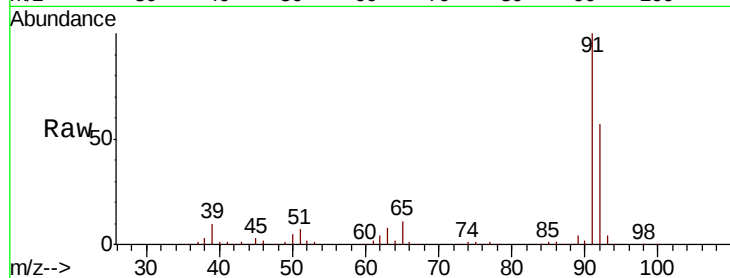
VSTD05041

Tgt Ion: 91 Resp: 271914

Ion Ratio Lower Upper

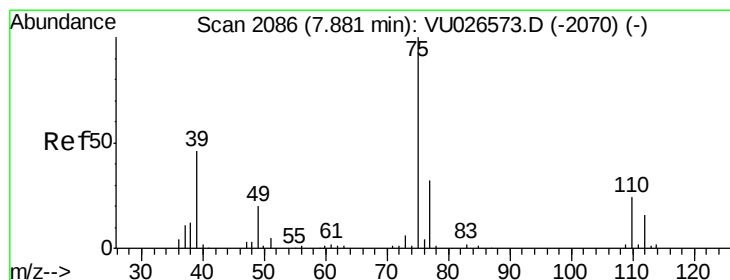
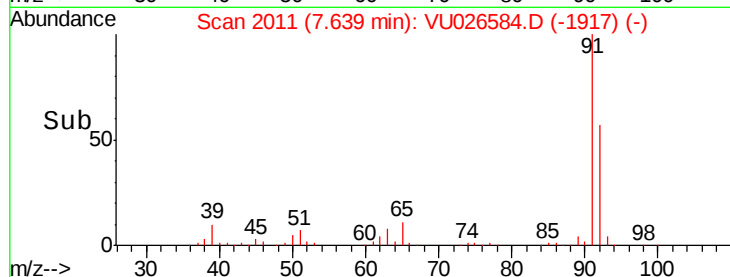
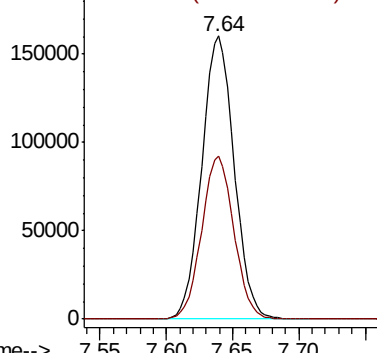
91 100

92 57.4 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: 55.200 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026584.D

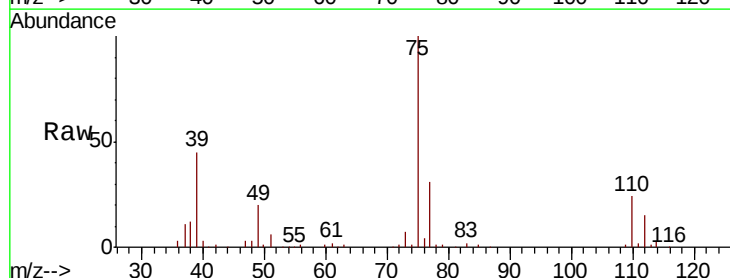
Acq: 06 Sep 2018 17:09

Tgt Ion: 75 Resp: 96818

Ion Ratio Lower Upper

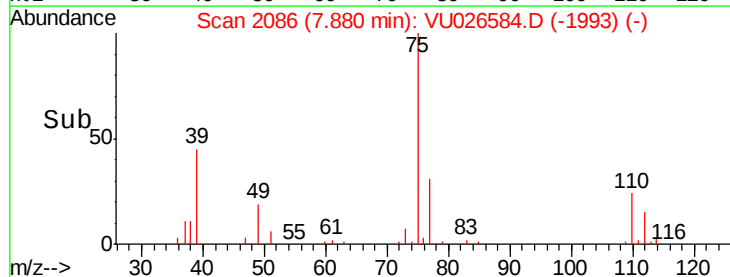
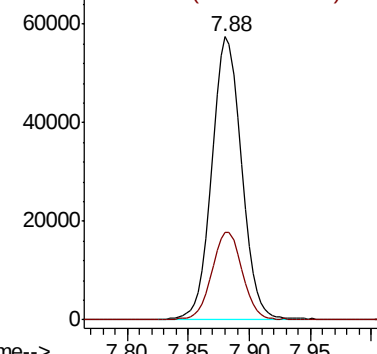
75 100

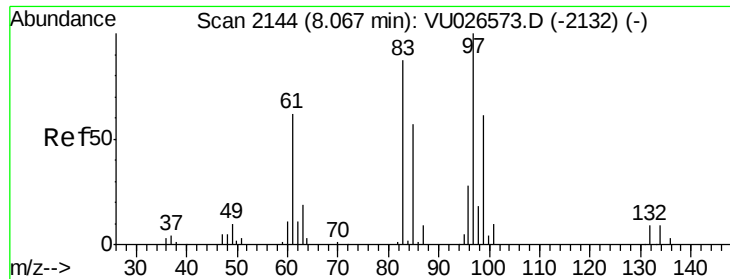
77 30.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

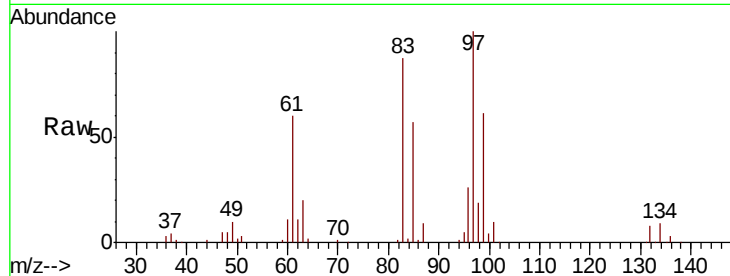




#45
 1,1,2-Trichloroethane
 Concen: 55.718 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Tgt Ion:	97	Resp:	65920
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.9	81.5
83	87.2	62.7	116.5
85	57.4	39.4	73.2



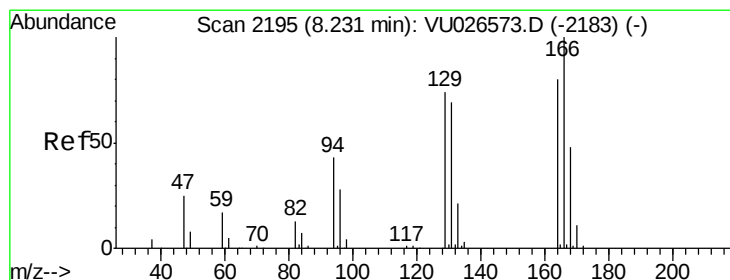
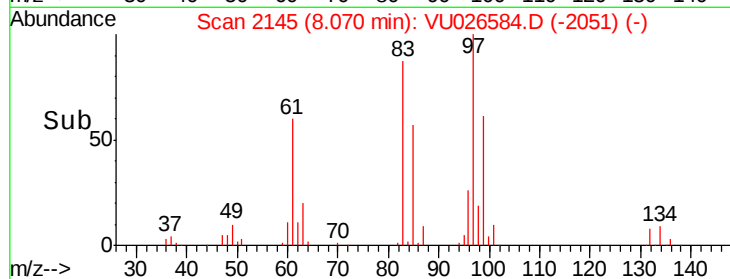
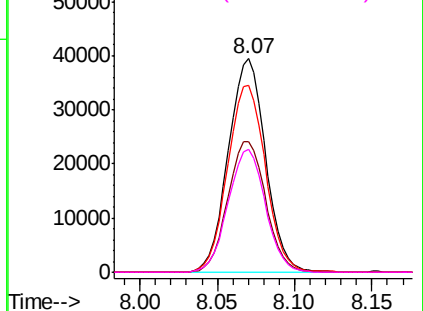
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

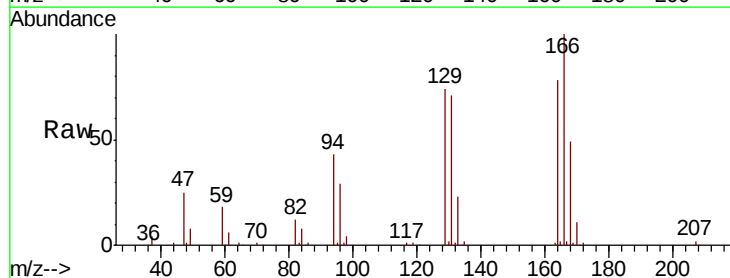
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 55.030 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

Tgt Ion:	164	Resp:	52646
Ion	Ratio	Lower	Upper
164	100		
129	94.4	67.3	125.1
131	90.8	65.3	121.3
166	128.2	90.9	168.7



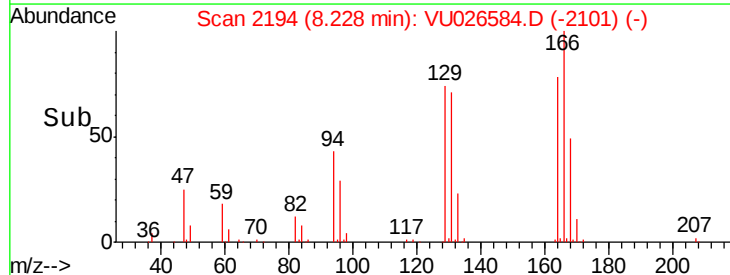
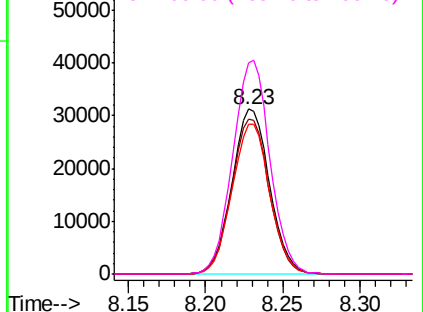
Abundance

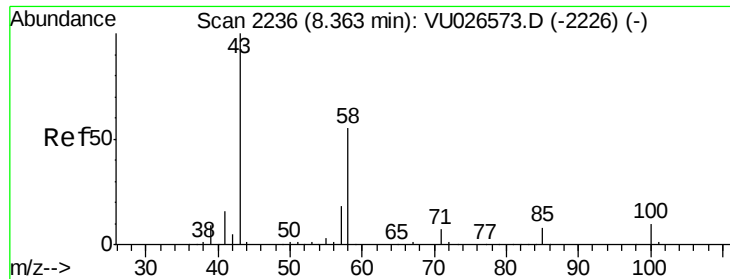
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

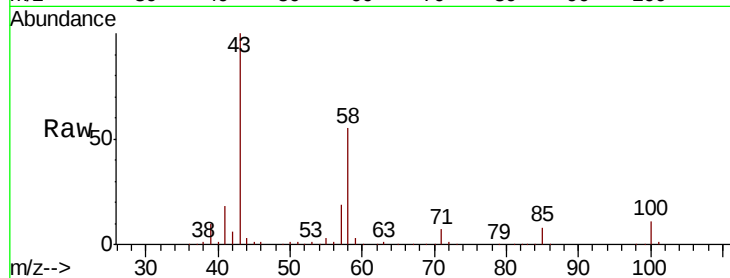




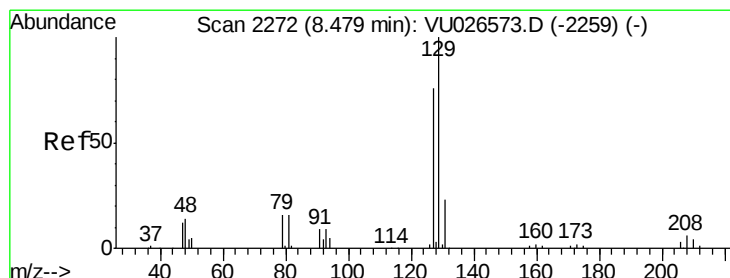
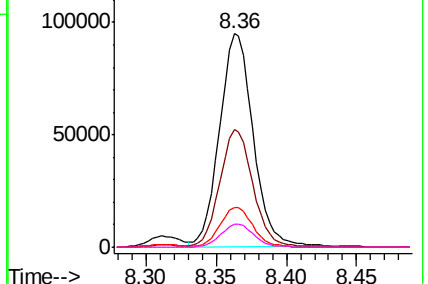
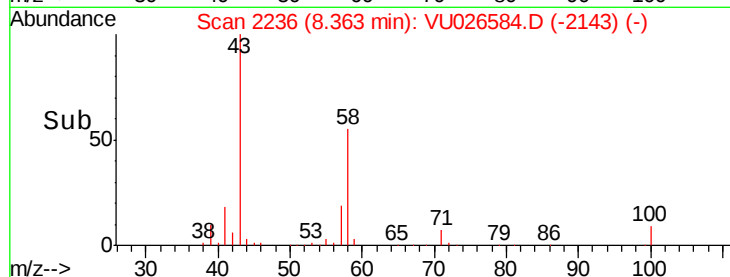
#48
2-Hexanone
Concen: 114.577 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Tgt Ion:	43	Resp:	157169
Ion	Ratio	Lower	Upper
43	100		
58	54.8	42.2	63.4
57	18.6	14.6	21.8
100	10.9	8.3	12.5

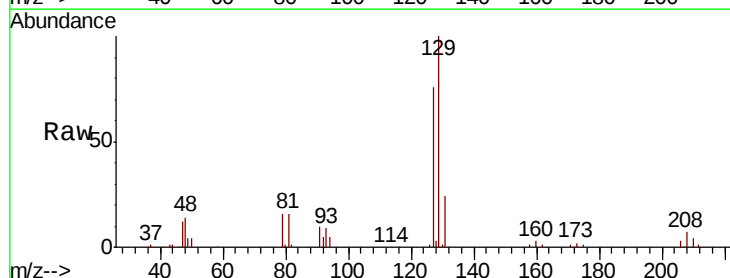


Abundance Ion 43.00 (42.70 to 43.70): VU026584.D (-2143) (-)
Ion 58.00 (57.70 to 58.70): VU026584.D (-2143) (-)
Ion 57.00 (56.70 to 57.70): VU026584.D (-2143) (-)
Ion 100.00 (99.70 to 100.70): VU026584.D (-2143) (-)

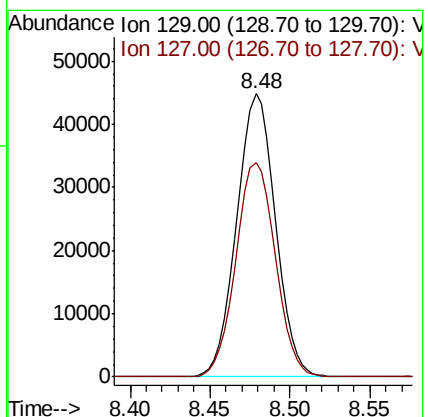
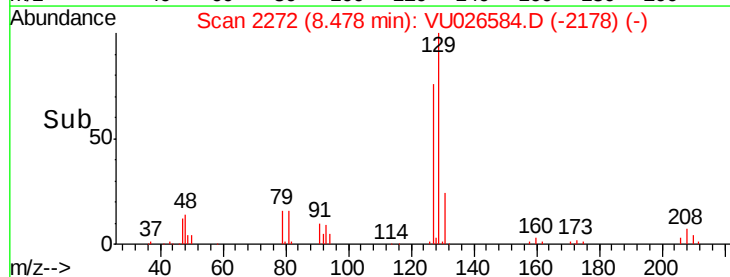


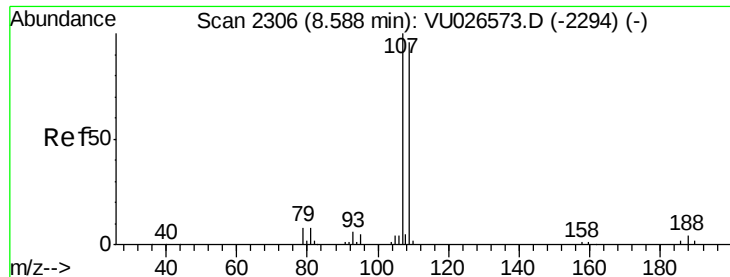
#49
Dibromochloromethane
Concen: 55.546 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Tgt Ion:	129	Resp:	74047
Ion	Ratio	Lower	Upper
129	100		
127	75.9	55.0	102.2



Abundance Ion 129.00 (128.70 to 129.70): VU026584.D (-2178) (-)
Ion 127.00 (126.70 to 127.70): VU026584.D (-2178) (-)

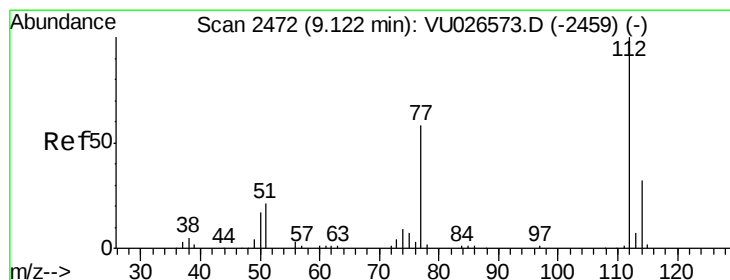
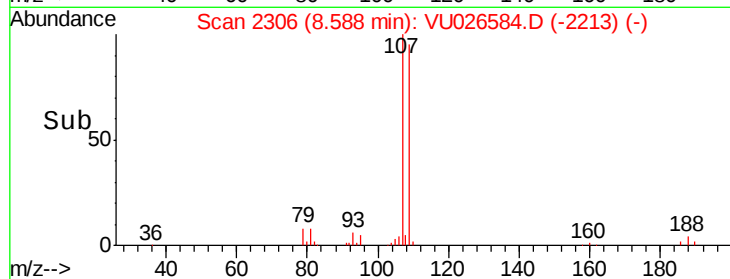
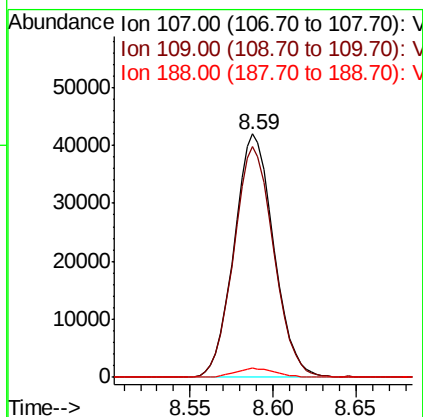
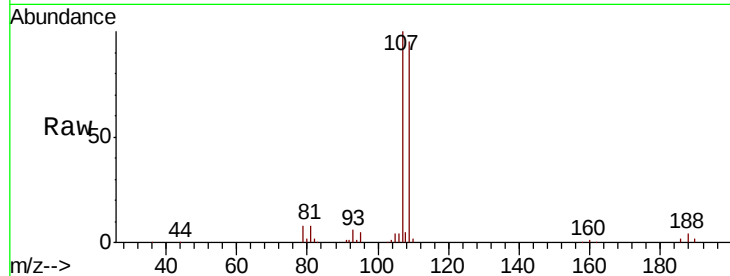




#50
1,2-Dibromoethane
Concen: 55.422 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

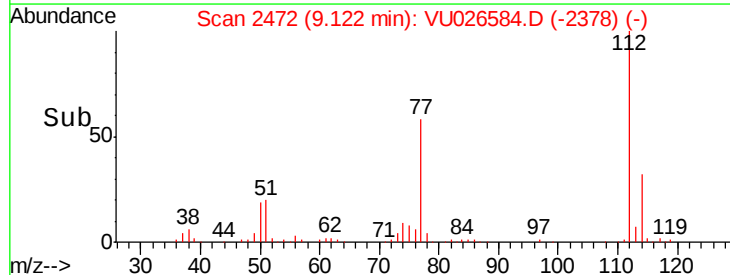
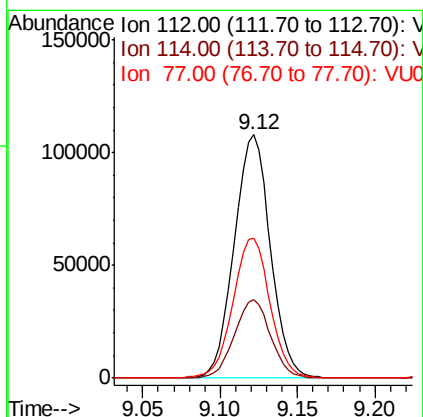
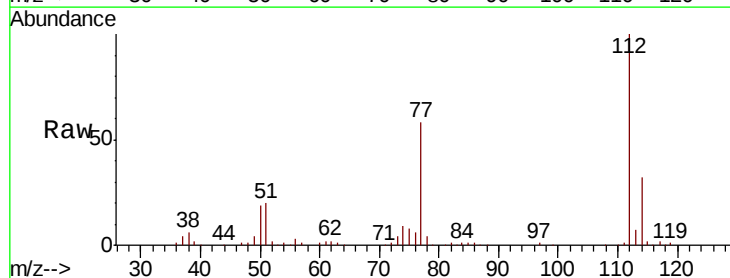
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

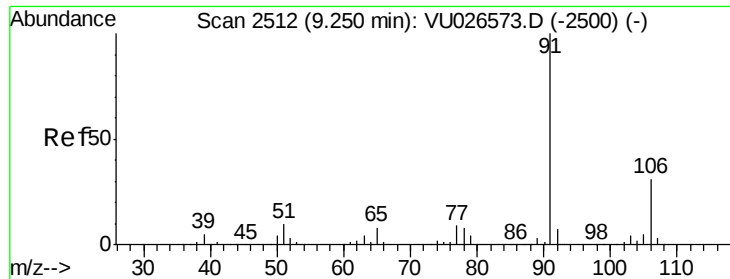
Tgt Ion:107 Resp: 69823
Ion Ratio Lower Upper
107 100
109 94.6 63.4 117.8
188 3.6 3.2 4.8



#51
Chlorobenzene
Concen: 53.890 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026584.D
Acq: 06 Sep 2018 17:09

Tgt Ion:112 Resp: 175421
Ion Ratio Lower Upper
112 100
114 32.3 23.2 43.2
77 57.7 47.3 70.9





#52

Ethylbenzene

Concen: 55.757 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

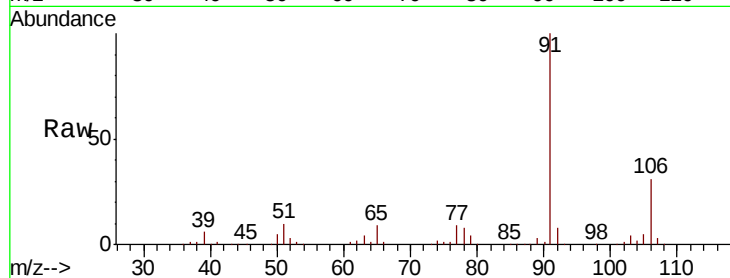
VSTD05041

Tgt Ion: 91 Resp: 295187

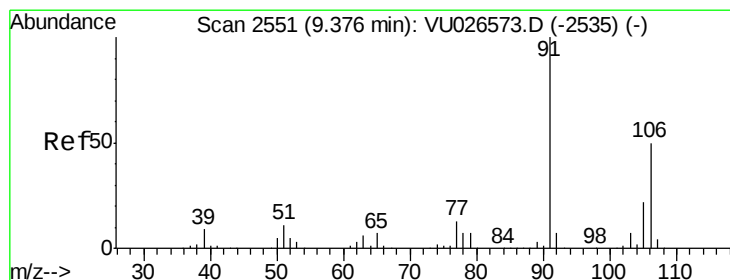
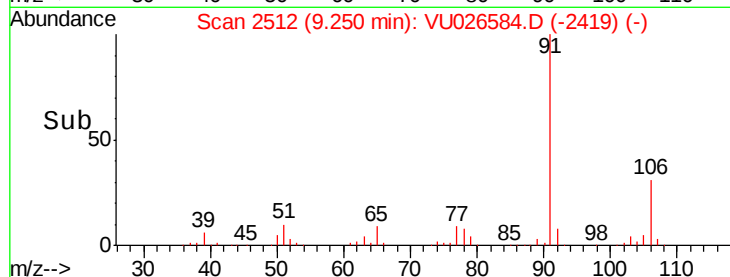
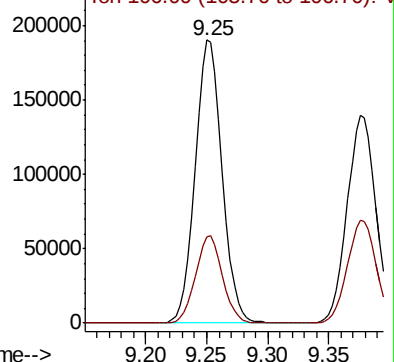
Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026573.D (-2500) (-)



#53

m,p-Xylene

Concen: 57.229 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026584.D

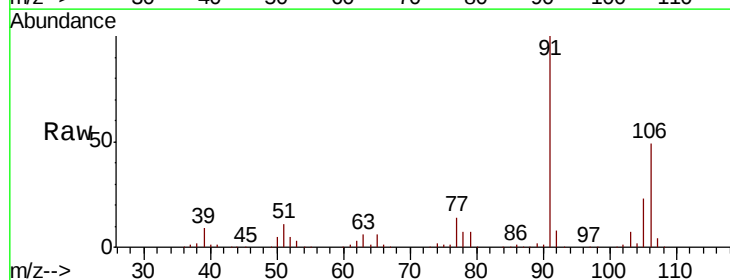
Acq: 06 Sep 2018 17:09

Tgt Ion: 106 Resp: 113130

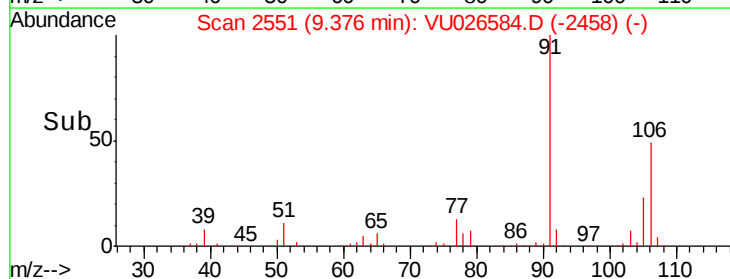
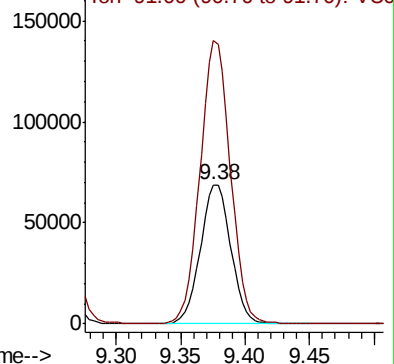
Ion Ratio Lower Upper

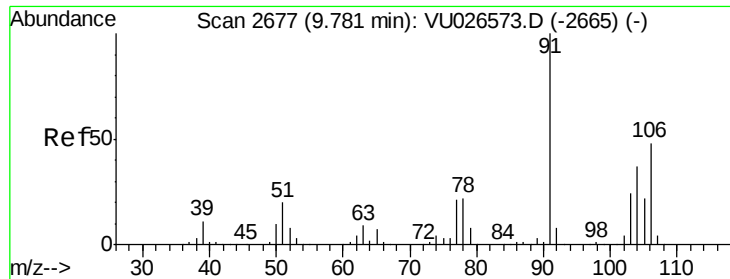
106 100

91 203.4 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026573.D (-2535) (-)





#54

o-xylene

Concen: 58.340 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

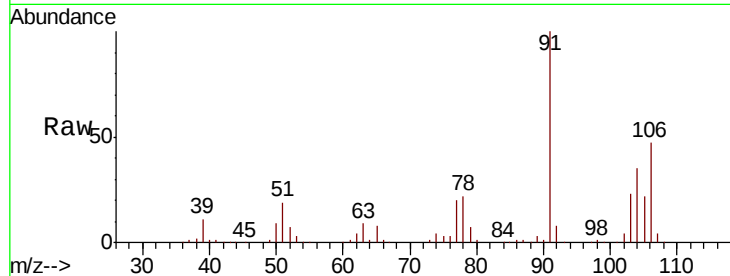
VSTD05041

Tgt Ion:106 Resp: 112466

Ion Ratio Lower Upper

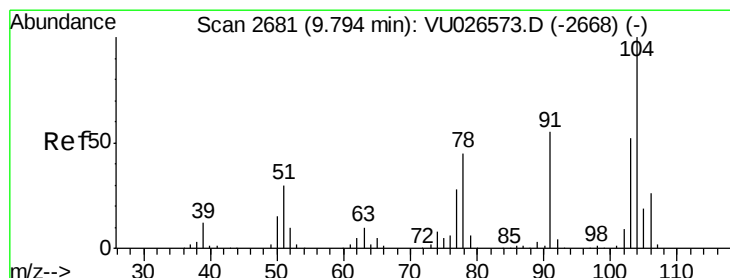
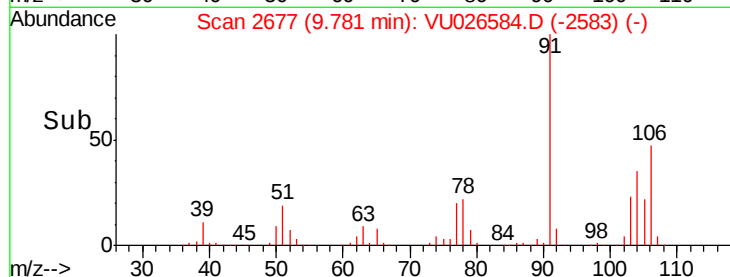
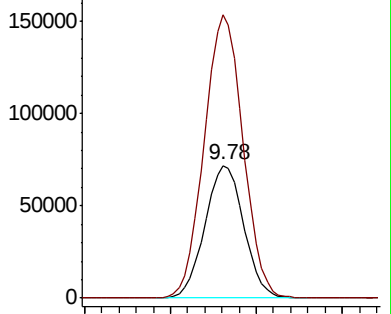
106 100

91 213.1 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 57.072 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026584.D

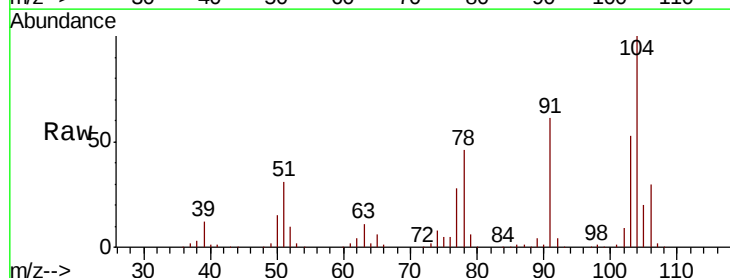
Acq: 06 Sep 2018 17:09

Tgt Ion:104 Resp: 192197

Ion Ratio Lower Upper

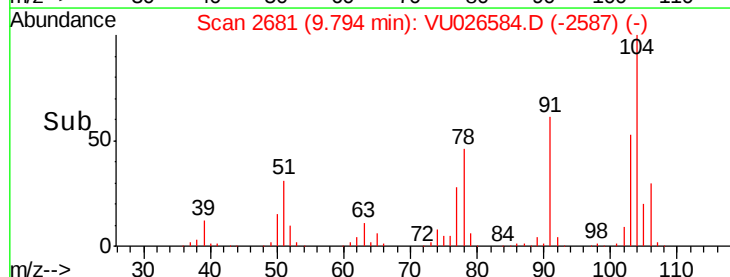
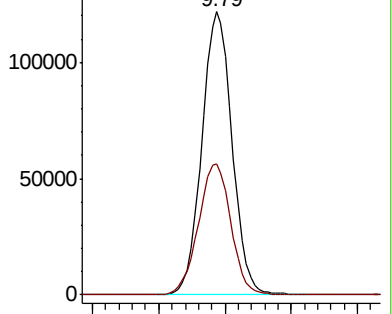
104 100

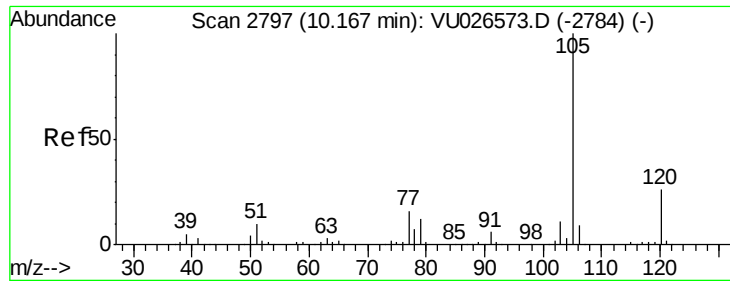
78 46.2 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 56.918 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

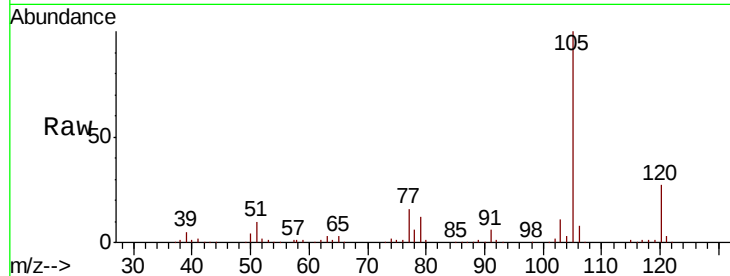
Tgt Ion: 105 Resp: 287220

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

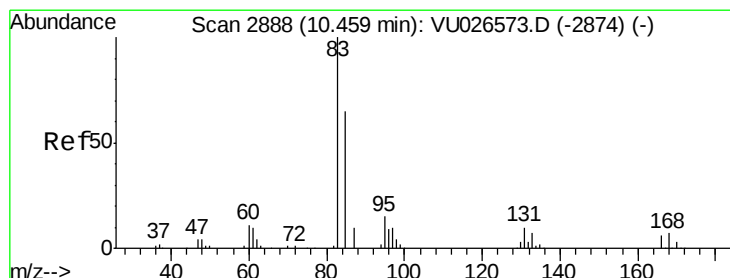
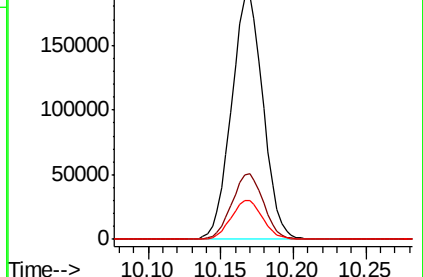
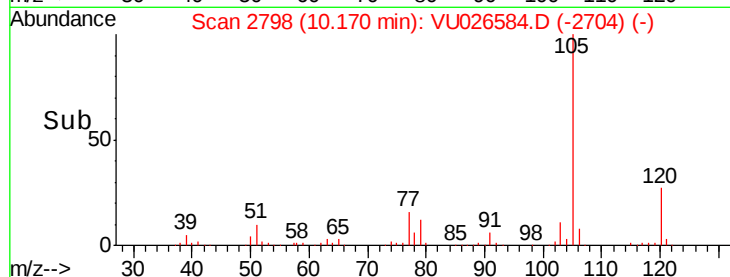
77 15.9 12.9 19.3



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: 55.186 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

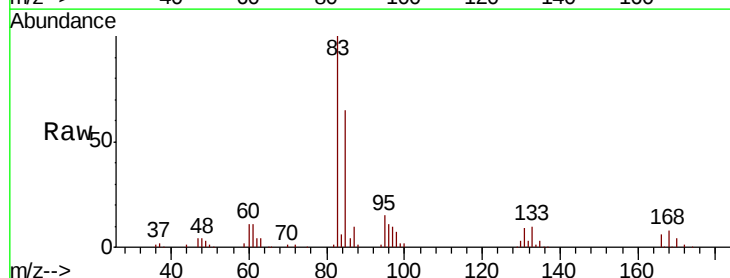
Tgt Ion: 83 Resp: 115009

Ion Ratio Lower Upper

83 100

85 64.8 44.3 82.3

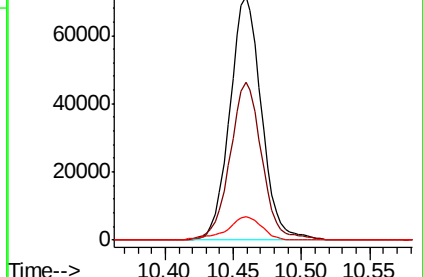
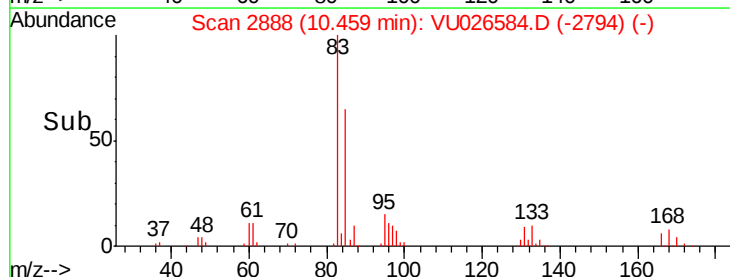
131 9.4 7.8 11.8

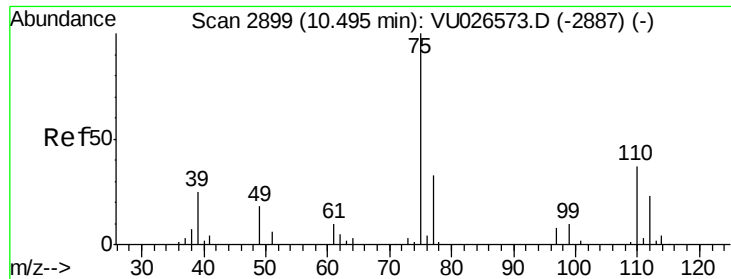


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

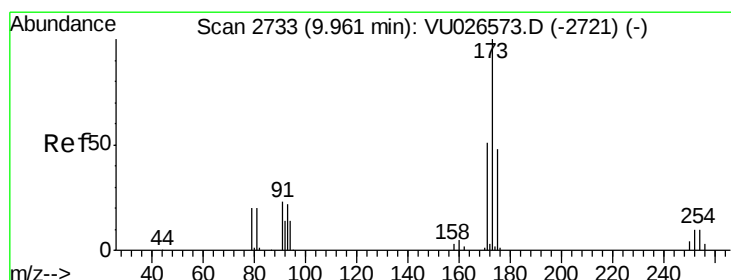
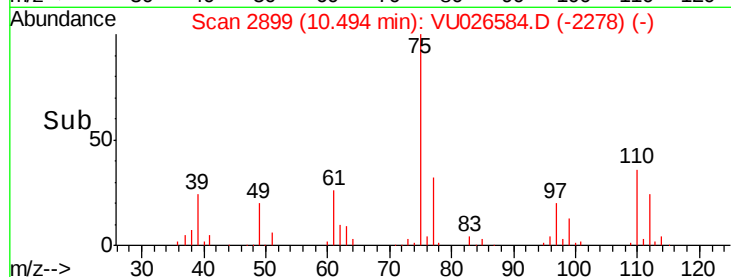
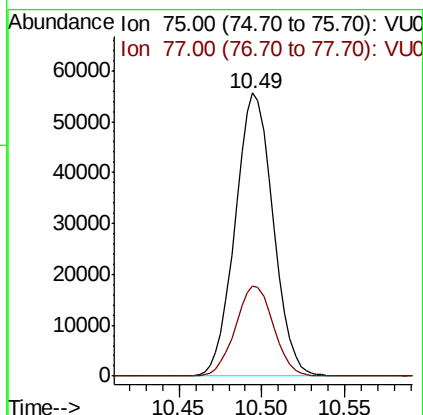
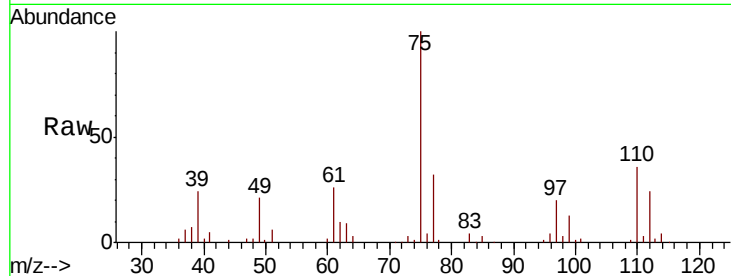




#59
 1,2,3-Trichloropropane
 Concen: 54.950 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

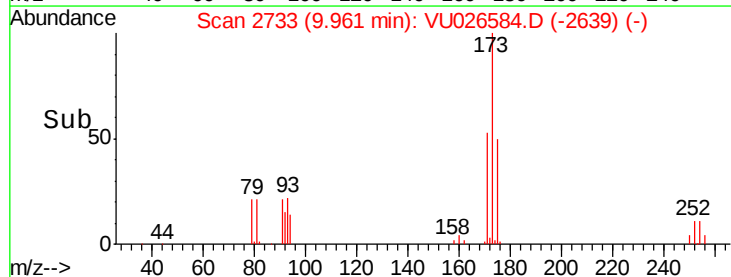
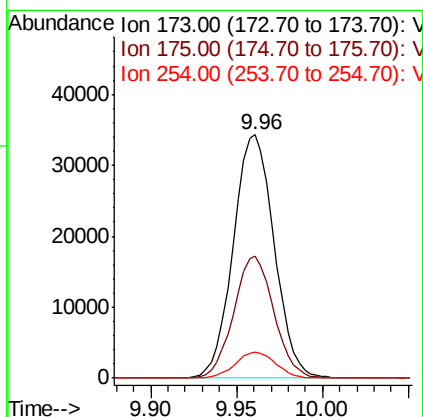
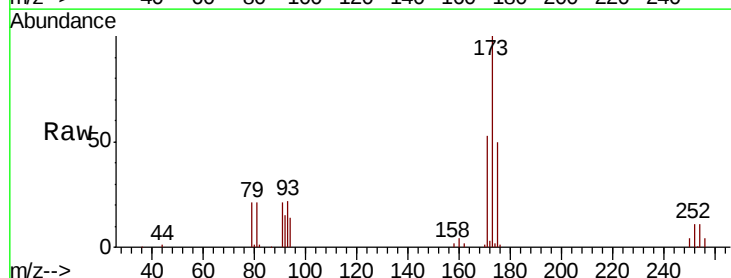
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

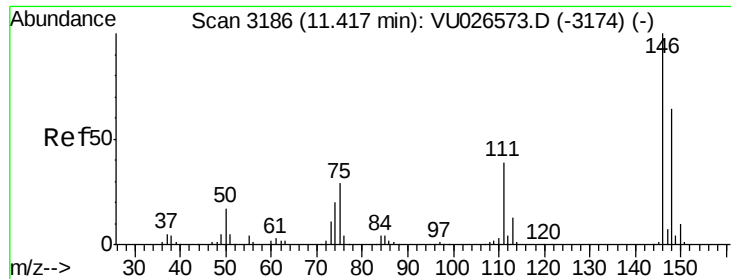
Tgt Ion: 75 Resp: 88550
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6



#61
 Bromoform
 Concen: 56.028 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

Tgt Ion: 173 Resp: 56950
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.5 57.7
 254 10.5 8.1 12.1

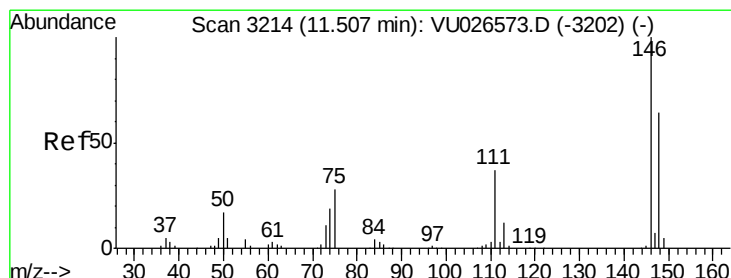
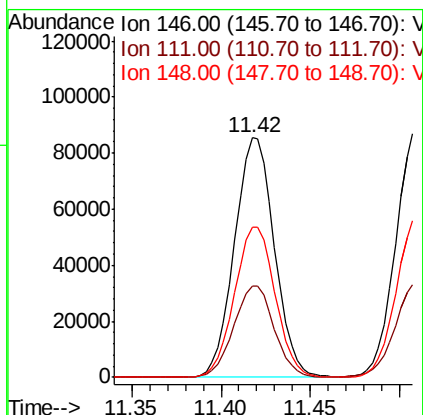
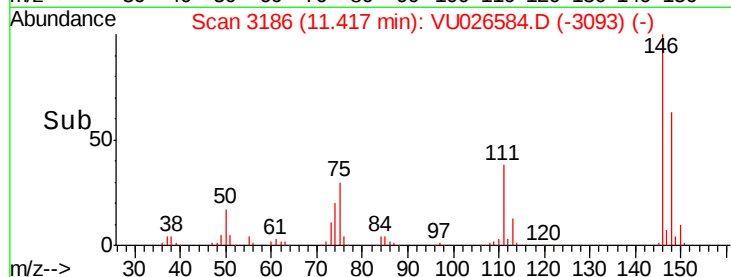
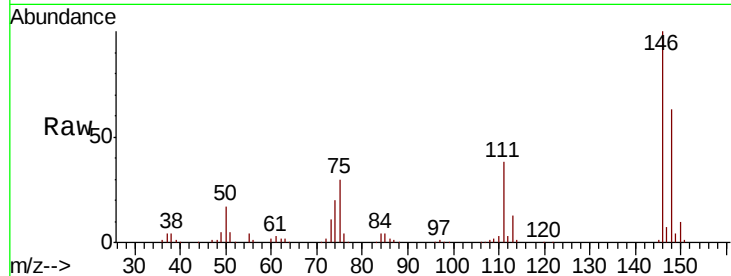




#62
 1,3-Dichlorobenzene
 Concen: 55.568 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

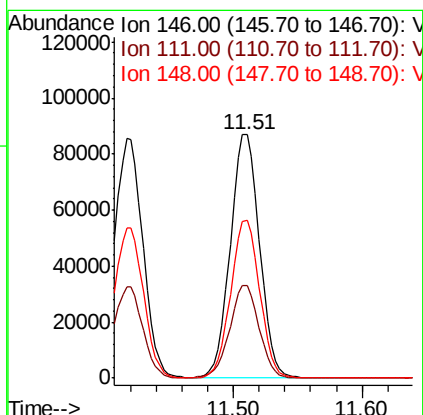
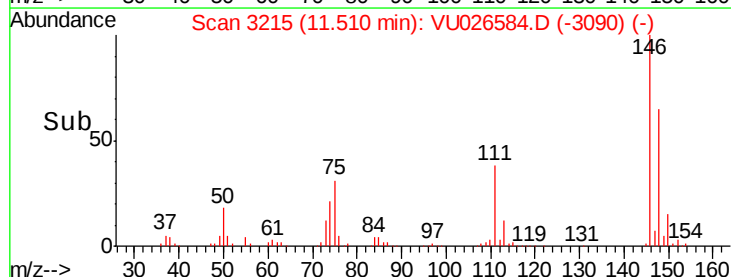
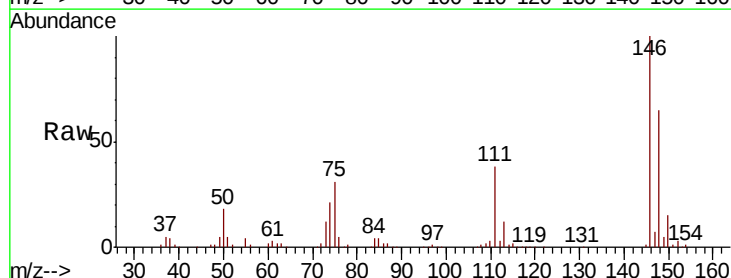
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

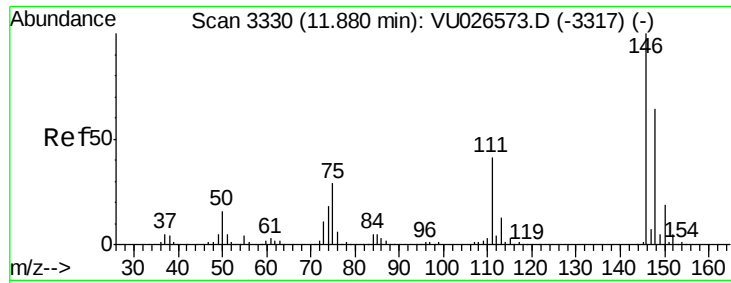
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.5	51.1
148	62.8	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 53.685 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.2	48.6
148	64.8	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 55.768 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

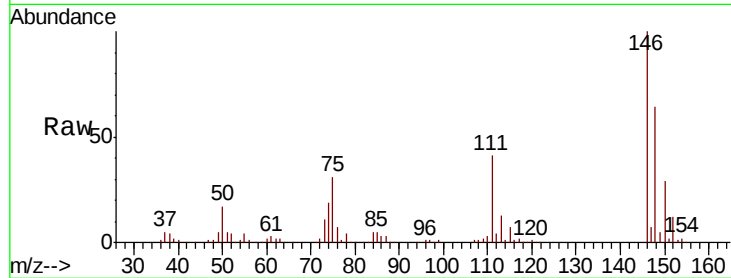
Tgt Ion: 146 Resp: 141755

Ion Ratio Lower Upper

146 100

111 40.8 32.0 48.0

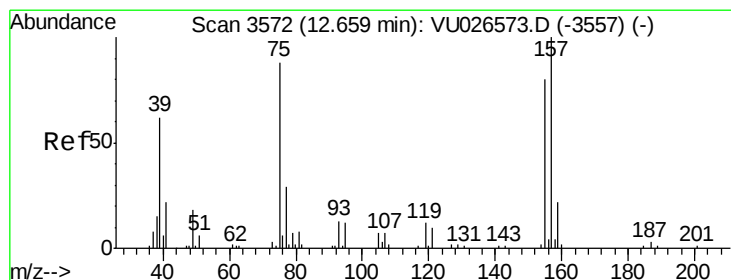
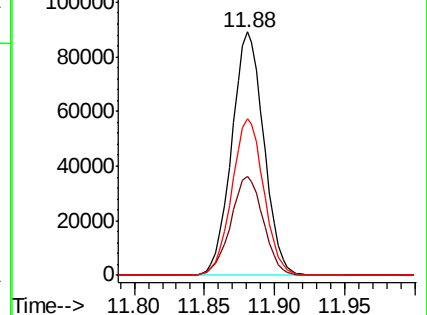
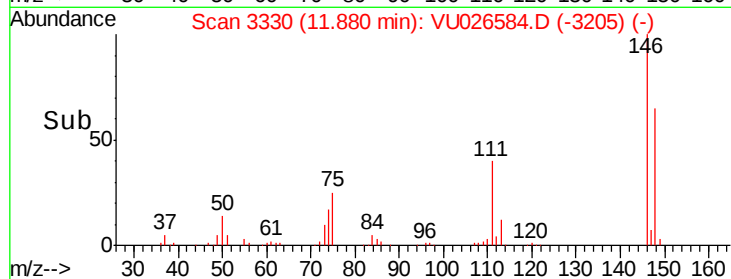
148 64.5 50.2 75.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 56.893 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

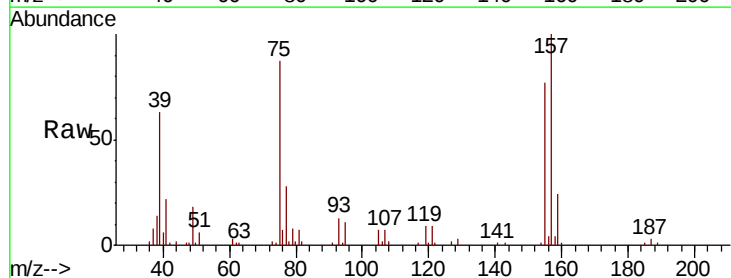
Tgt Ion: 75 Resp: 24317

Ion Ratio Lower Upper

75 100

155 88.4 69.8 104.8

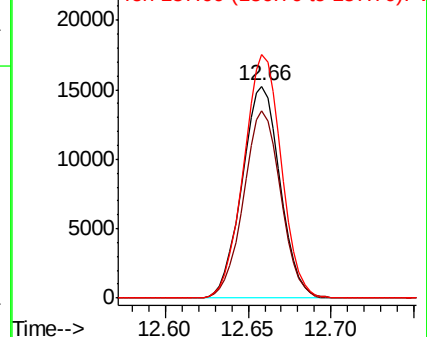
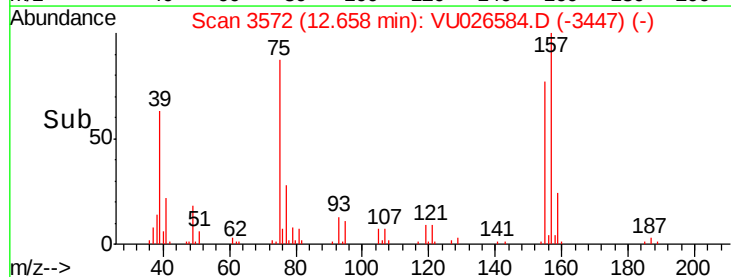
157 115.0 89.8 134.8

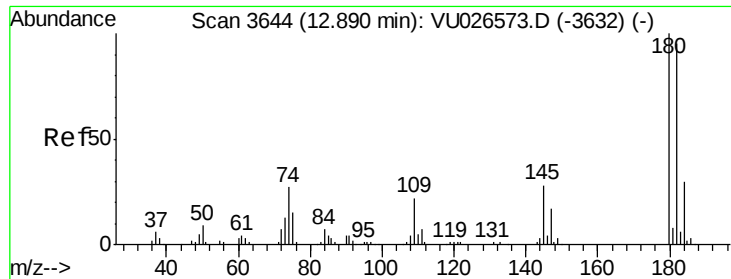


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

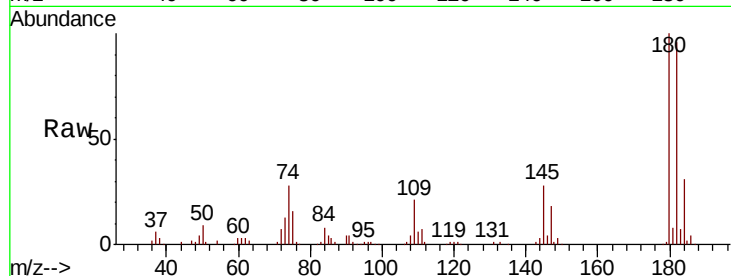




#67
 1,3,5-Trichlorobenzene
 Concen: 54.400 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Tgt Ion:	180	Resp:	105800
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.5	114.7
184	30.8	25.0	37.4
145	28.0	22.3	33.5



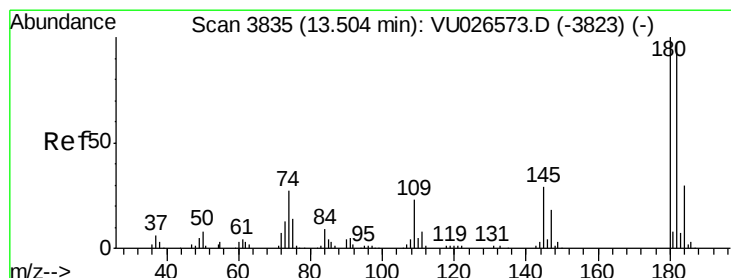
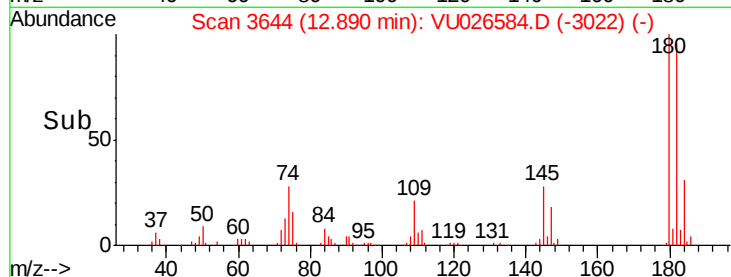
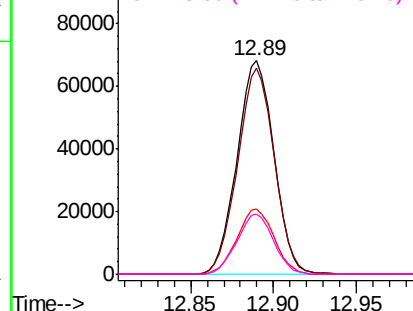
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

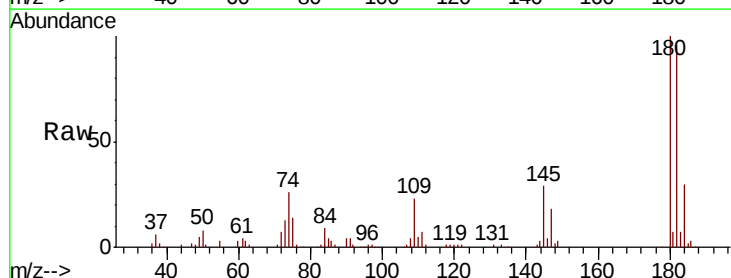
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.913 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026584.D
 Acq: 06 Sep 2018 17:09

Tgt Ion:	180	Resp:	93280
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	114.8
145	28.7	22.4	33.6

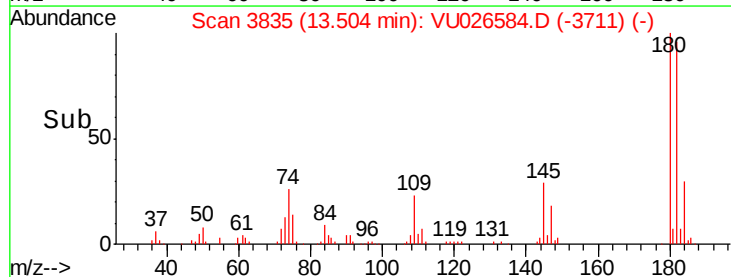
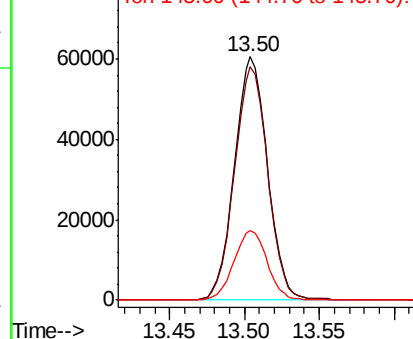


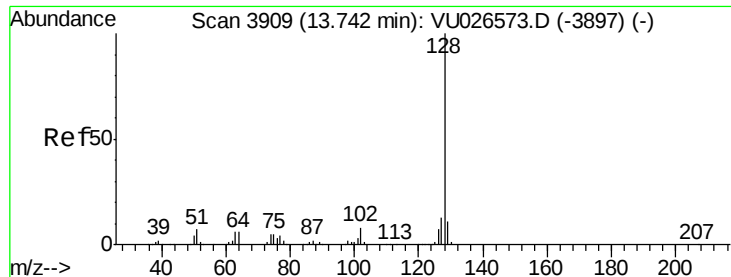
Abundance

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: 58.593 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

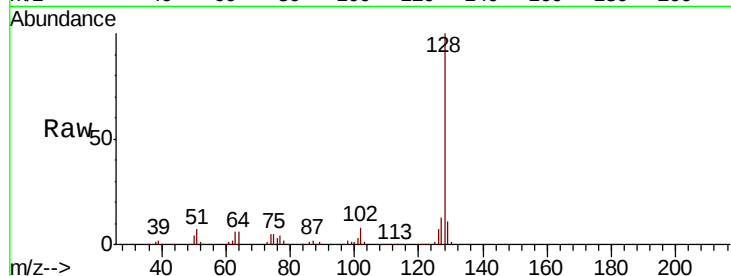
Tgt Ion:128 Resp: 310765

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

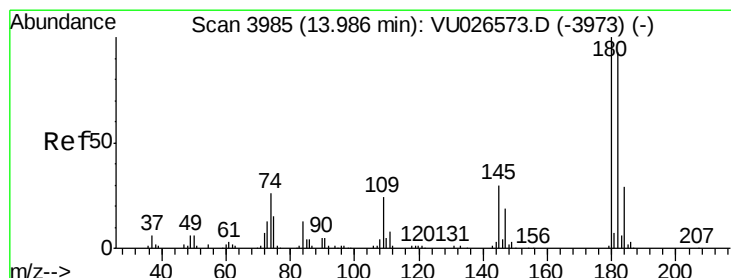
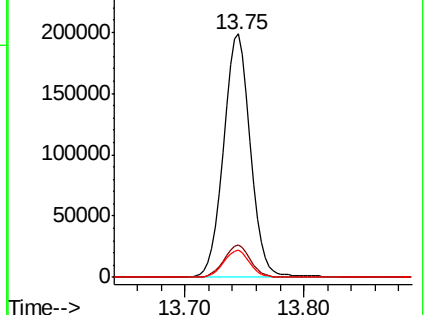
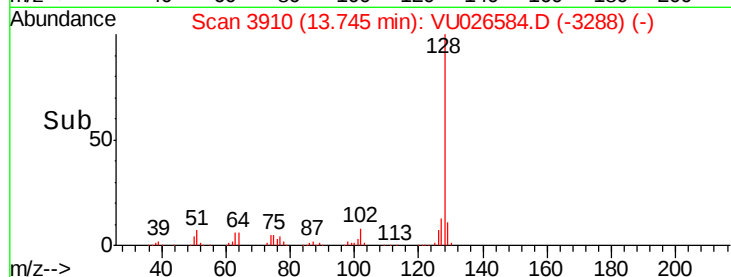
129 11.0 8.5 12.7



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: 55.315 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026584.D

Acq: 06 Sep 2018 17:09

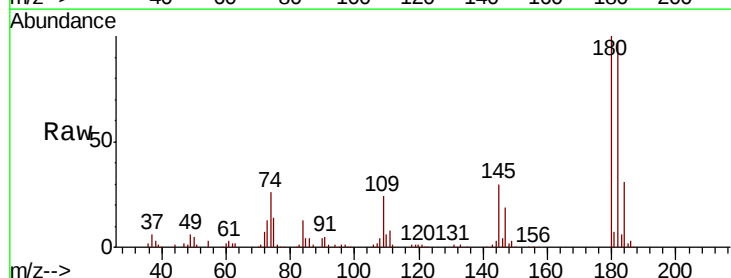
Tgt Ion:180 Resp: 103174

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 29.9 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

