

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091118\
 Data File : VU026671.D
 Acq On : 11 Sep 2018 07:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Sep 12 00:45:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 07:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	189923	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180941	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91390	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64963	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	54138	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.94%
11) 1,1-Dichloroethene-d2	2.27	63	121183	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
21) 2-Butanone-d5	4.17	46	92200	104.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.68%
24) Chloroform-d	4.65	84	121307	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.10%
26) 1,2-Dichloroethane-d4	5.31	65	77565	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
32) Benzene-d6	5.34	84	236700	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	6.33	67	80914	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.98%
41) Toluene-d8	7.57	98	226335	51.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.02%
43) trans-1,3-Dichloropropene-	7.85	79	38148	52.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.42%
47) 2-Hexanone-d5	8.31	63	70011	109.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111216	51.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.38%
64) 1,2-Dichlorobenzene-d4	11.86	152	91731	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	65294	54.616 ug/L	100
3) Chloromethane	1.33	50	81310	51.739 ug/L	100
5) Vinyl chloride	1.40	62	86309	53.150 ug/L	99
6) Bromomethane	1.62	94	46210	48.831 ug/L	97
8) Chloroethane	1.70	64	53225	52.849 ug/L	99
9) Trichlorofluoromethane	1.88	101	113197	55.281 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	65173	55.889 ug/L	99
12) 1,1-Dichloroethene	2.28	96	58963	52.652 ug/L	96
13) Acetone	2.32	43	109900	109.557 ug/L	100
14) Carbon disulfide	2.48	76	188120	51.722 ug/L	100
15) Methyl Acetate	2.61	43	78122	54.590 ug/L	97
16) Methylene chloride	2.70	84	71087	53.788 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	62955	53.055 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	198126	54.186 ug/L	99
19) 1,1-Dichloroethane	3.45	63	126553	54.992 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	72643	54.351 ug/L	99
22) 2-Butanone	4.26	43	125977	109.683 ug/L	100

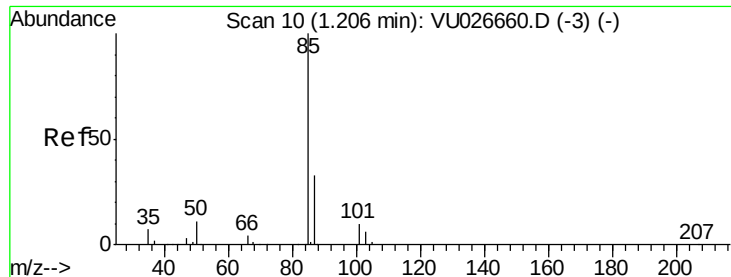
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091118\
 Data File : VU026671.D
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 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 07:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38099	55.733	ug/L	97
25) Chloroform	4.67	83	125316	54.177	ug/L	98
27) 1,2-Dichloroethane	5.40	62	102044	55.558	ug/L	99
29) Cyclohexane	5.00	56	112781	56.903	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	104618	54.578	ug/L	98
31) Carbon tetrachloride	5.14	117	95462	55.097	ug/L	98
33) Benzene	5.39	78	278169	54.898	ug/L	100
34) Trichloroethene	6.19	95	67917	53.927	ug/L	98
35) Methylcyclohexane	6.42	83	117330	58.201	ug/L	100
37) 1,2-Dichloropropane	6.43	63	79012	55.818	ug/L	100
38) Bromodichloromethane	6.76	83	96902	55.860	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	115196	54.996	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	204309	113.150	ug/L	99
42) Toluene	7.64	91	293170	55.822	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	107940	55.392	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	69296	55.189	ug/L	98
46) Tetrachloroethene	8.23	164	58770	55.524	ug/L	99
48) 2-Hexanone	8.36	43	176026	115.467	ug/L	100
49) Dibromochloromethane	8.48	129	79458	54.749	ug/L	98
50) 1,2-Dibromoethane	8.59	107	73994	55.089	ug/L	99
51) Chlorobenzene	9.12	112	188876	54.773	ug/L	97
52) Ethylbenzene	9.25	91	318506	56.077	ug/L	98
53) m,p-Xylene	9.38	106	123877	57.843	ug/L	96
54) o-xylene	9.78	106	120417	56.654	ug/L	98
55) Styrene	9.79	104	207749	57.782	ug/L	99
56) Isopropylbenzene	10.17	105	313228	57.851	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	120326	55.317	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	91385	54.563	ug/L	99
61) Bromoform	9.96	173	61786	54.882	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	144829	55.192	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	149946	53.940	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	152545	55.004	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	24007	53.581	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	119431	57.378	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	102489	56.650	ug/L	99
69) Naphthalene	13.74	128	319703	57.669	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	110312	56.290	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 54.616 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

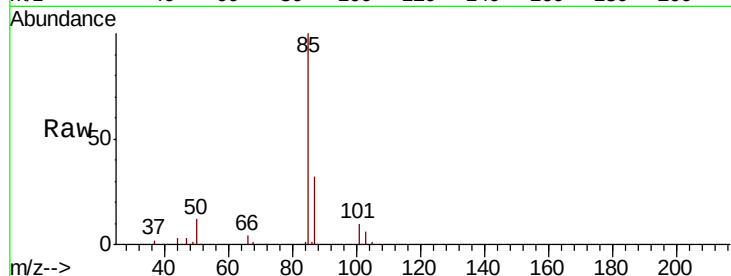
VSTD05056

Tgt Ion: 85 Resp: 65294

Ion Ratio Lower Upper

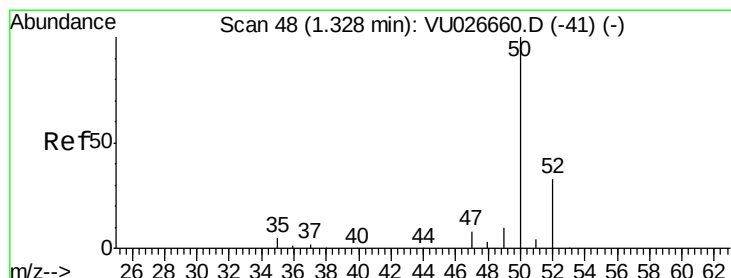
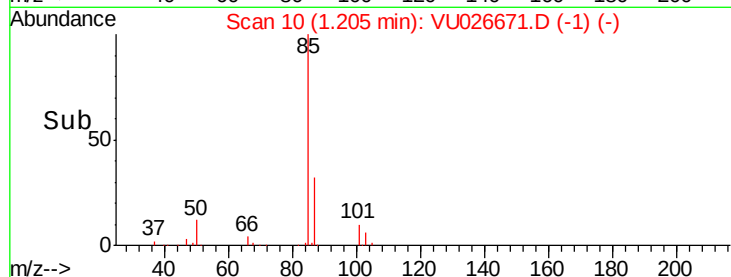
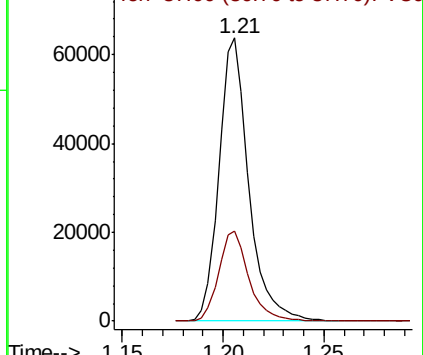
85 100

87 32.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 51.739 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026671.D

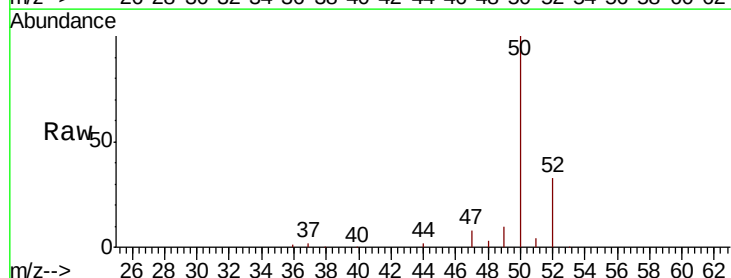
Acq: 11 Sep 2018 07:54

Tgt Ion: 50 Resp: 81310

Ion Ratio Lower Upper

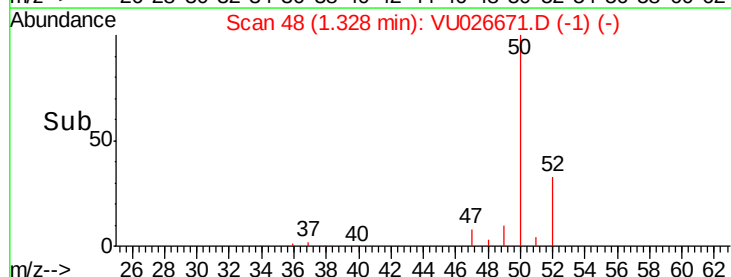
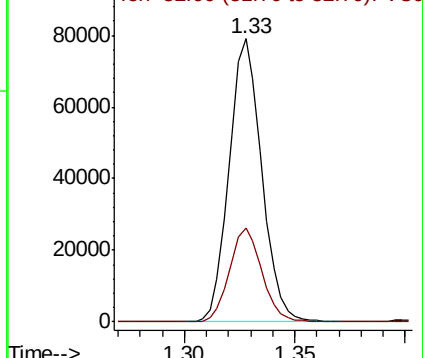
50 100

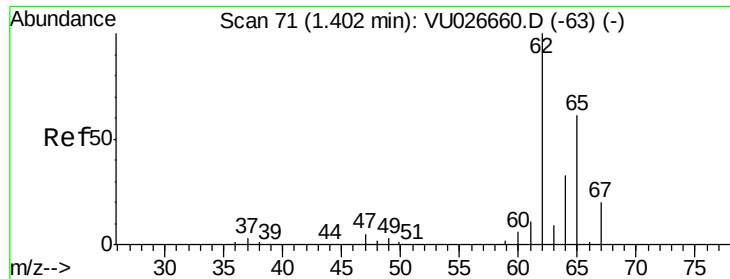
52 33.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 53.150 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

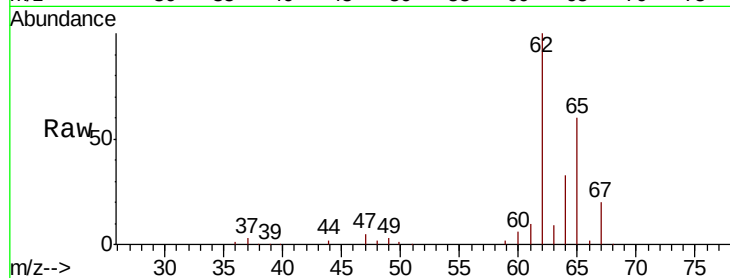
VSTD05056

Tgt Ion: 62 Resp: 86309

Ion Ratio Lower Upper

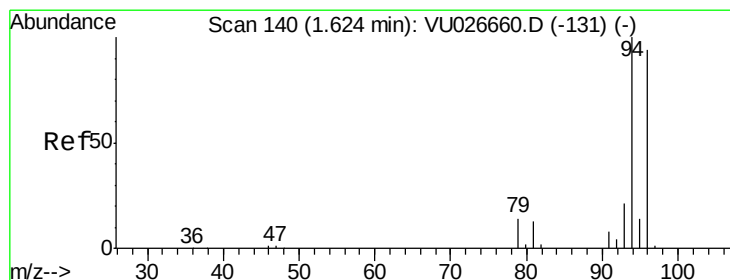
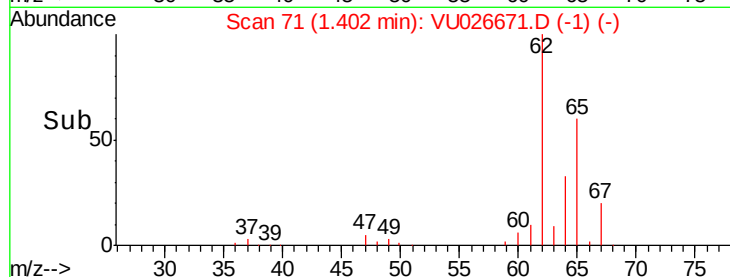
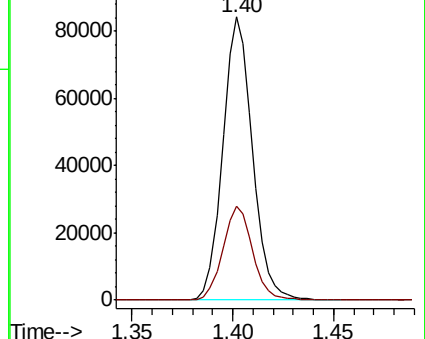
62 100

64 33.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.831 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU026671.D

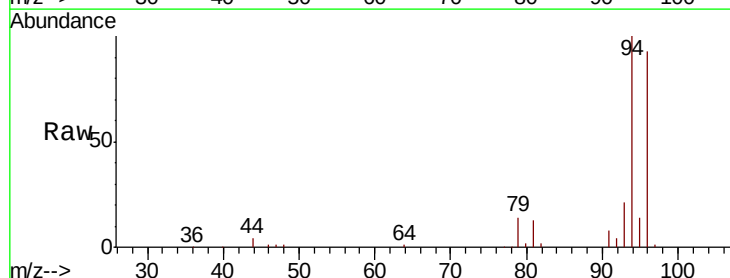
Acq: 11 Sep 2018 07:54

Tgt Ion: 94 Resp: 46210

Ion Ratio Lower Upper

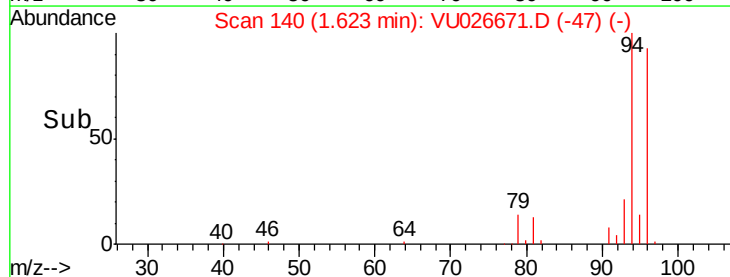
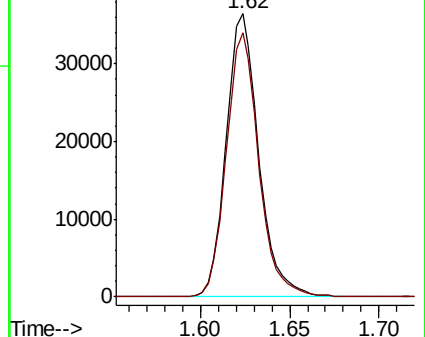
94 100

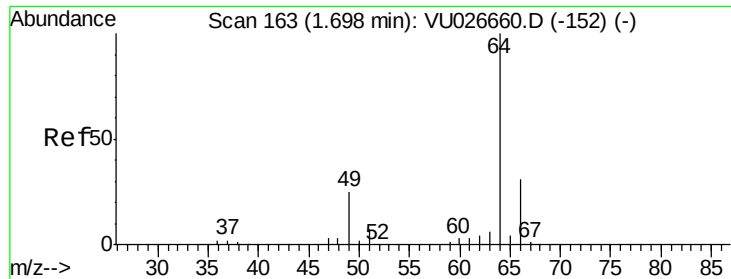
96 93.4 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 52.849 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

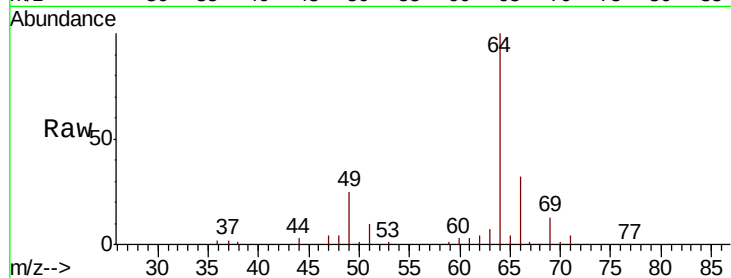
VSTD05056

Tgt Ion: 64 Resp: 53225

Ion Ratio Lower Upper

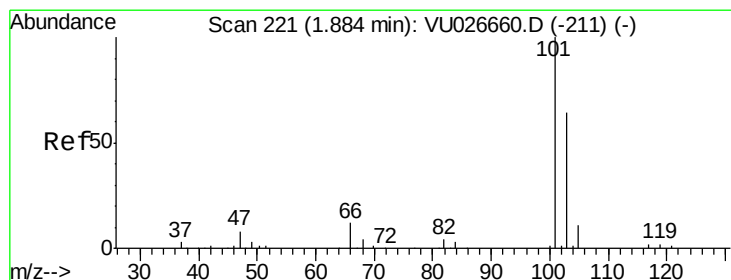
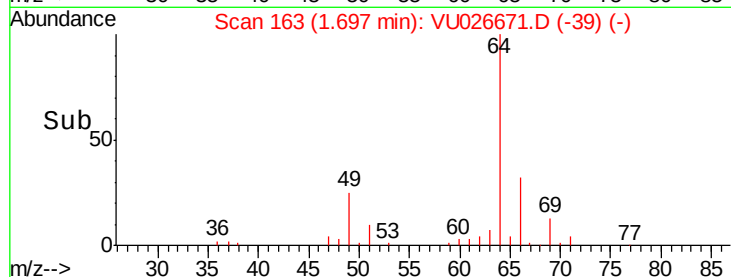
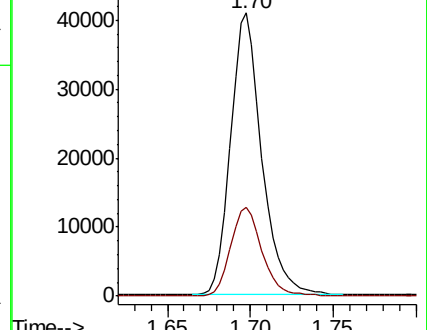
64 100

66 31.6 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU026671.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VU026671.D (-152) (-)



#9

Trichlorofluoromethane

Concen: 55.281 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026671.D

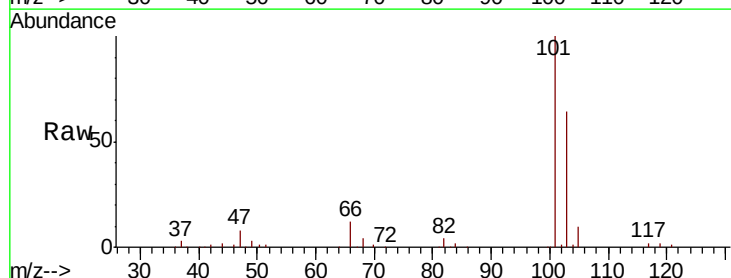
Acq: 11 Sep 2018 07:54

Tgt Ion: 101 Resp: 113197

Ion Ratio Lower Upper

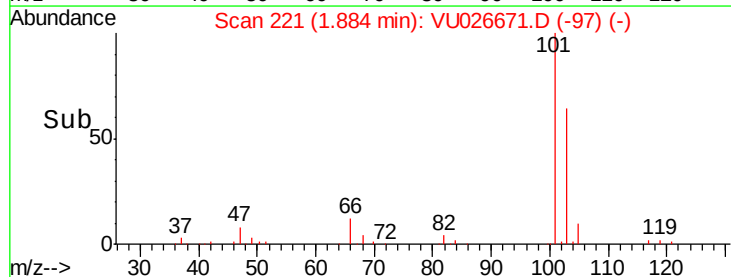
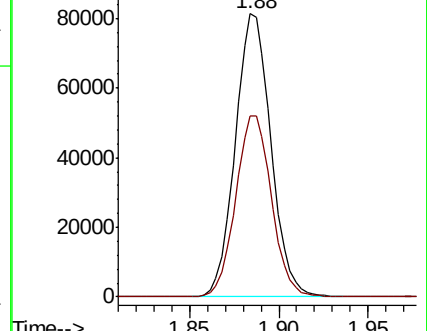
101 100

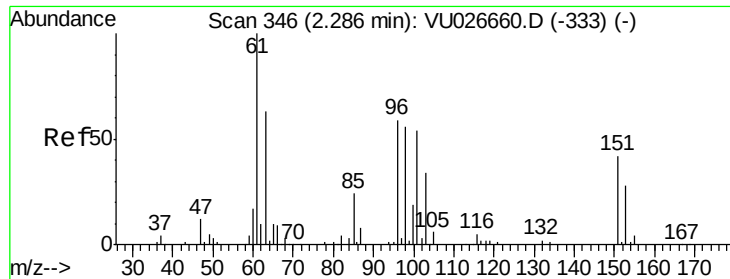
103 64.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU026671.D (-97) (-)

Ion 103.00 (102.70 to 103.70): VU026671.D (-97) (-)





#10

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

Concen: 55.889 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

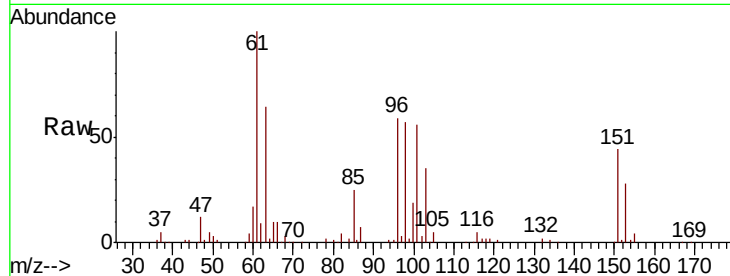
Tgt Ion:101 Resp: 65173

Ion Ratio Lower Upper

101 100

85 43.5 34.1 51.1

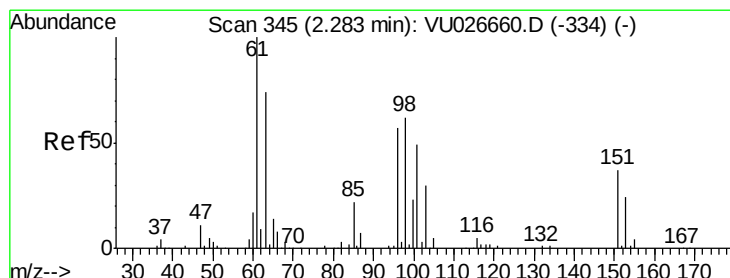
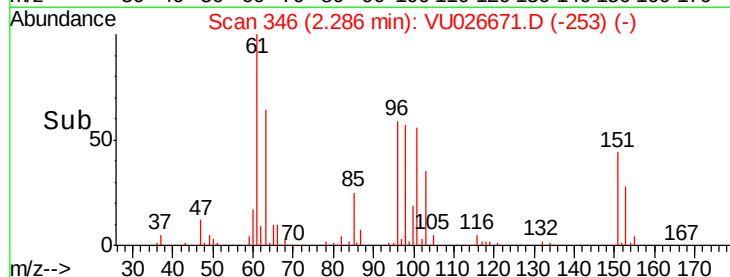
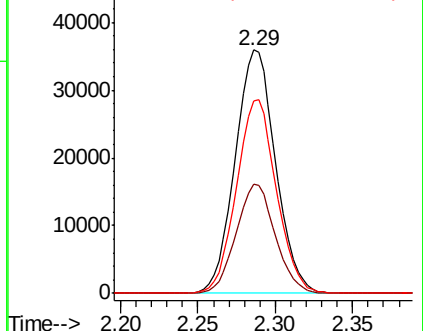
151 78.5 62.6 94.0



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: 52.652 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

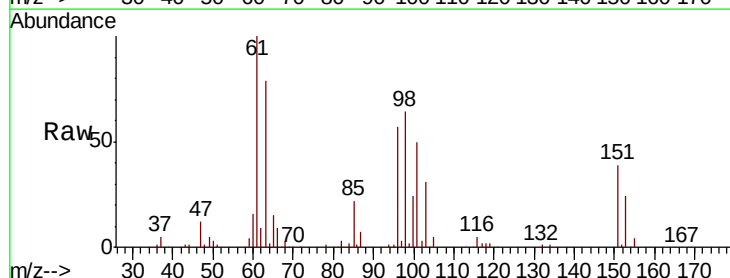
Tgt Ion: 96 Resp: 58963

Ion Ratio Lower Upper

96 100

61 175.0 121.0 224.8

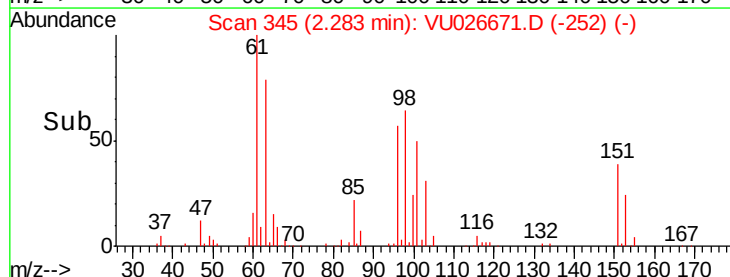
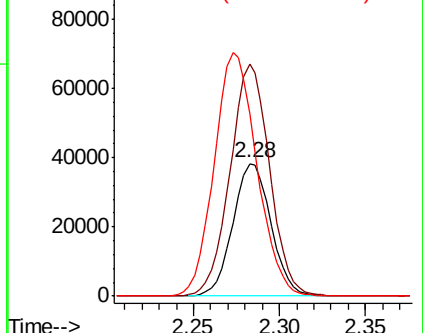
63 137.4 89.9 166.9

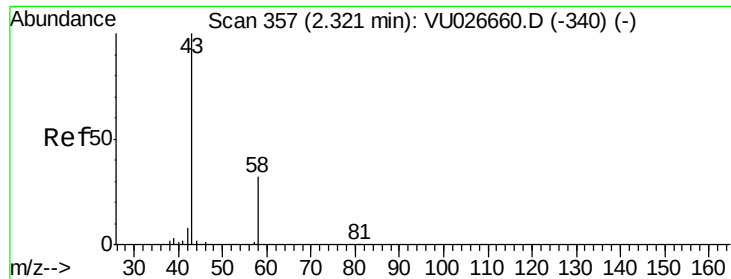


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 109.557 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

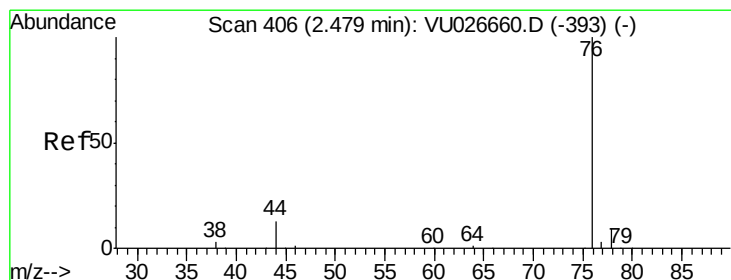
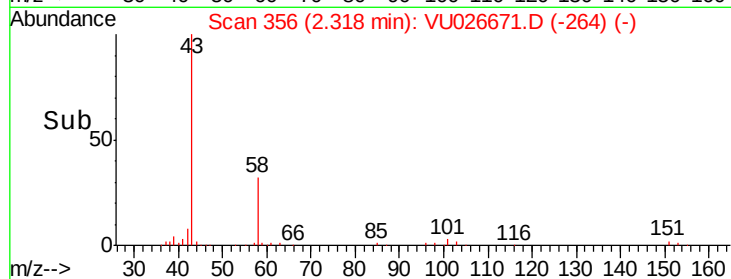
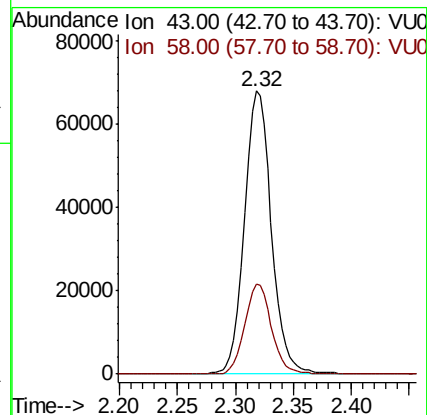
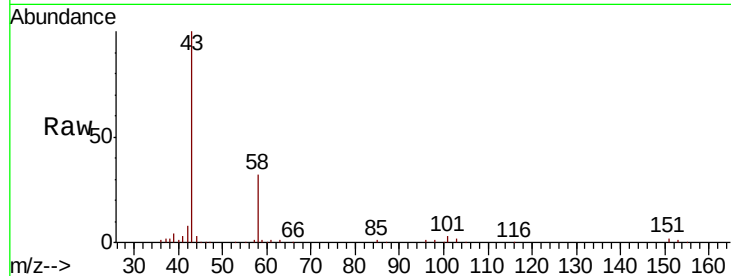
VSTD05056

Tgt Ion: 43 Resp: 109900

Ion Ratio Lower Upper

43 100

58 31.5 0.0 62.8



#14

Carbon disulfide

Concen: 51.722 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU026671.D

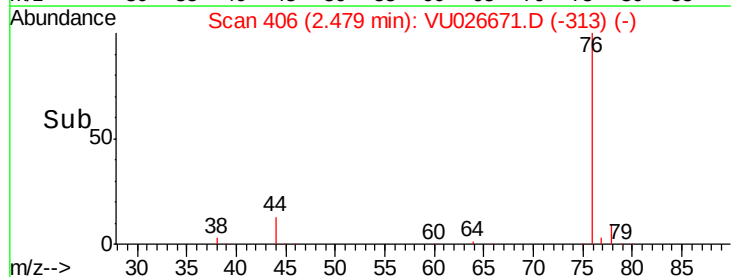
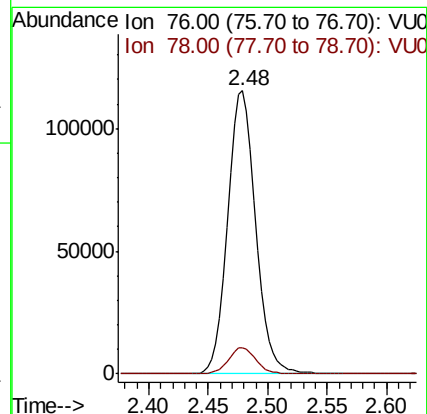
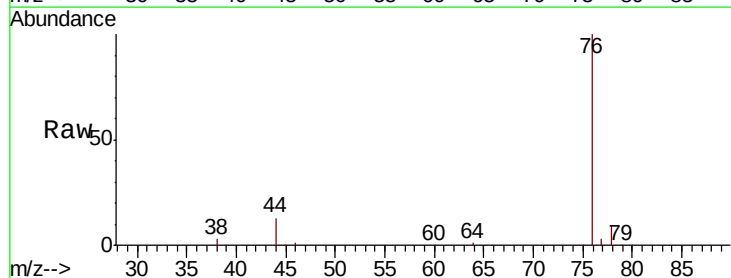
Acq: 11 Sep 2018 07:54

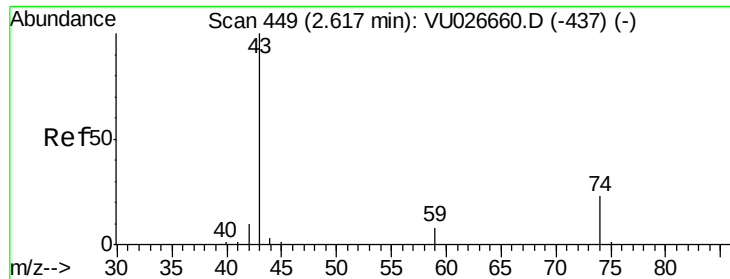
Tgt Ion: 76 Resp: 188120

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

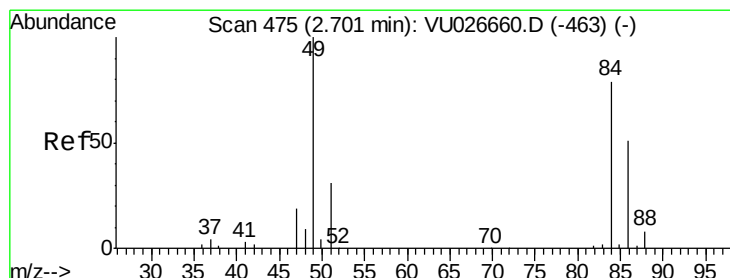
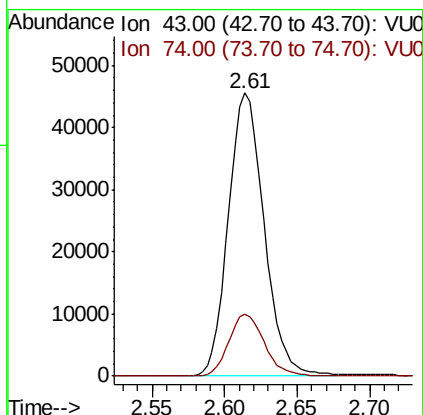
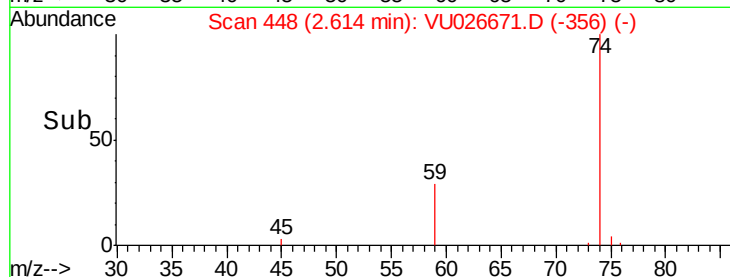
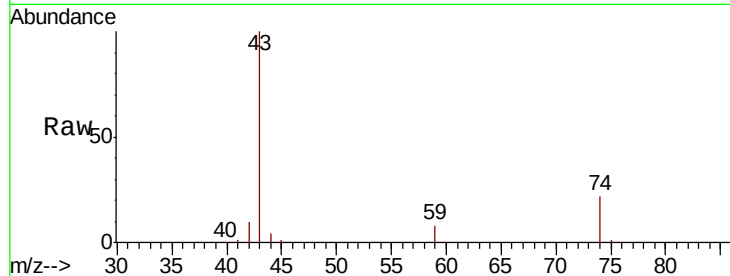




#15
Methyl Acetate
Concen: 54.590 ug/L
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU026671.D
Acq: 11 Sep 2018 07:54

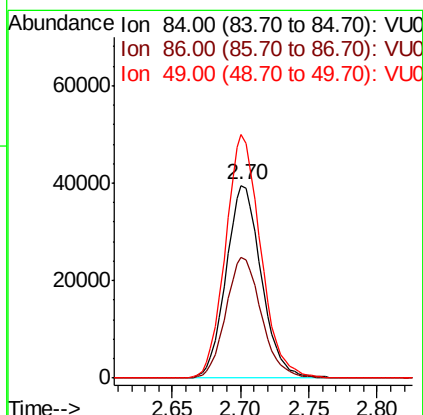
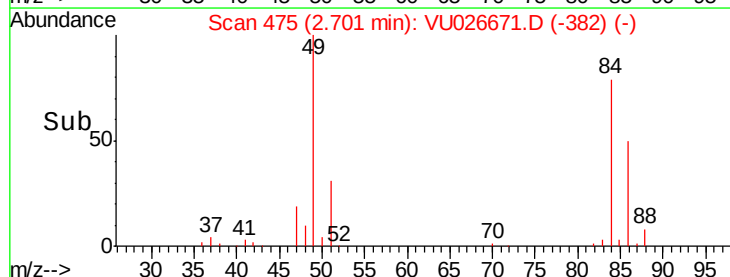
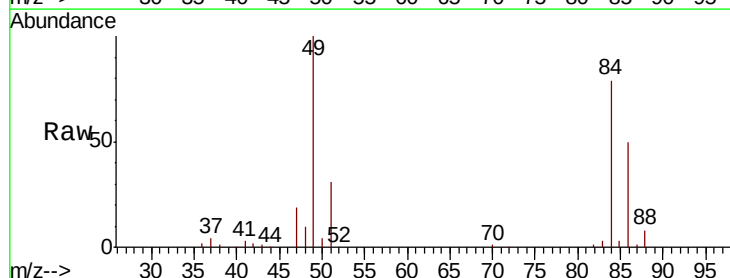
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

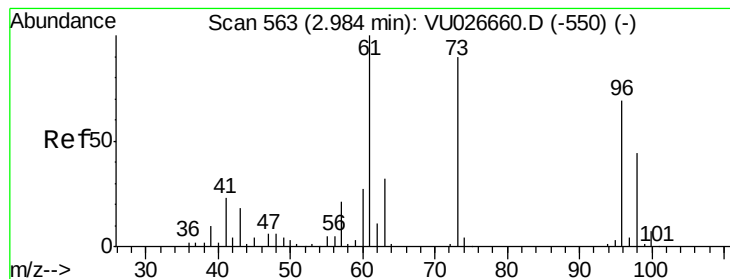
Tgt Ion: 43 Resp: 78122
Ion Ratio Lower Upper
43 100
74 21.6 18.5 27.7



#16
Methylene chloride
Concen: 53.788 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026671.D
Acq: 11 Sep 2018 07:54

Tgt Ion: 84 Resp: 71087
Ion Ratio Lower Upper
84 100
86 62.9 44.1 81.9
49 126.5 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 53.055 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

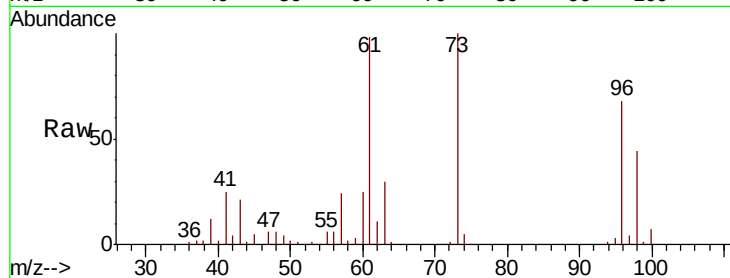
Tgt Ion: 96 Resp: 62955

Ion Ratio Lower Upper

96 100

61 143.8 99.7 185.1

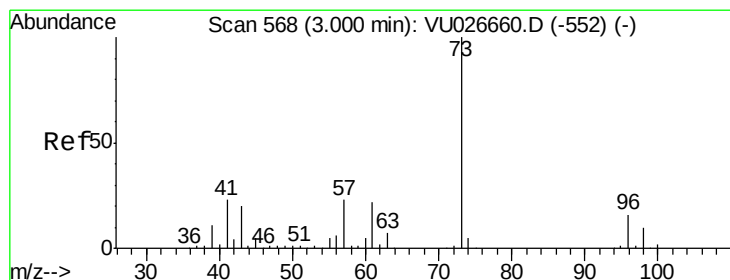
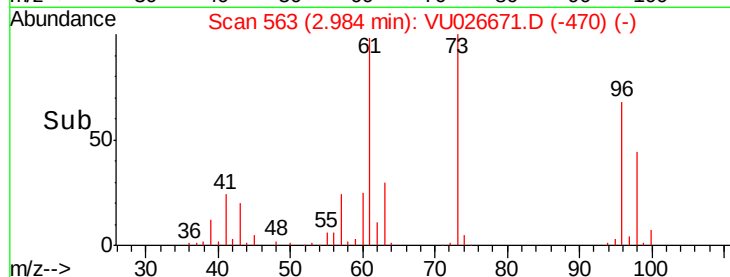
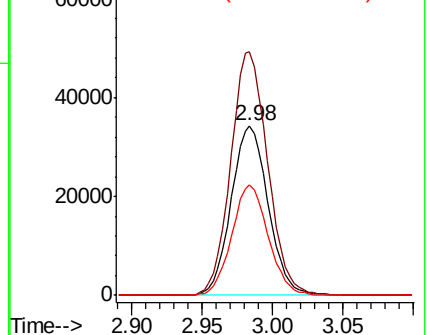
98 65.0 45.1 83.7



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: 54.186 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

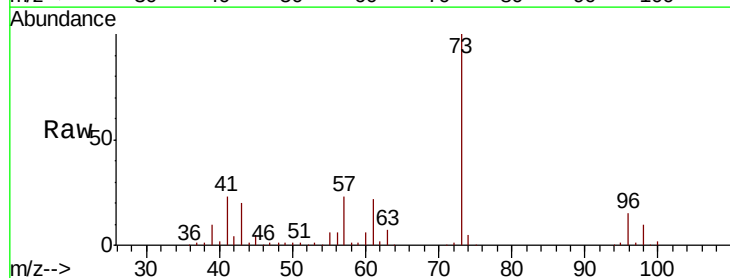
Tgt Ion: 73 Resp: 198126

Ion Ratio Lower Upper

73 100

43 20.5 16.0 24.0

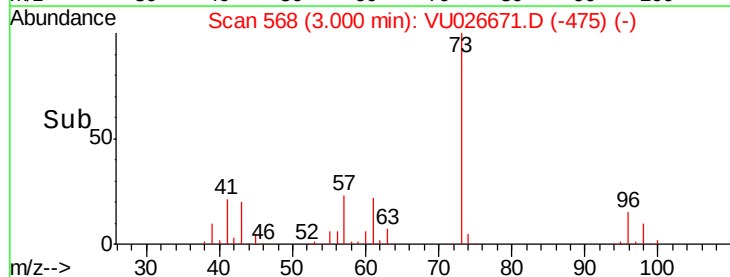
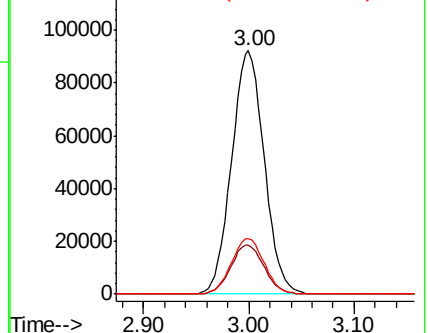
57 23.1 18.6 27.8

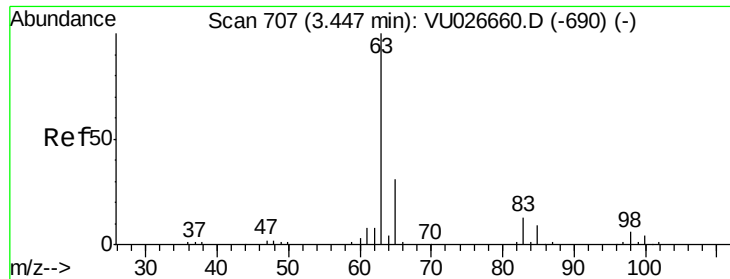


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

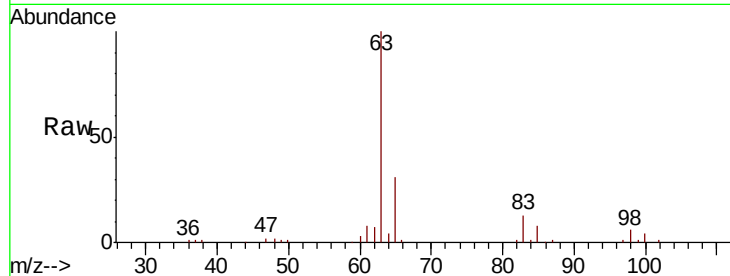




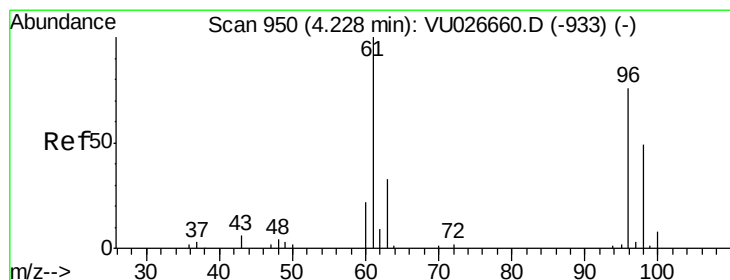
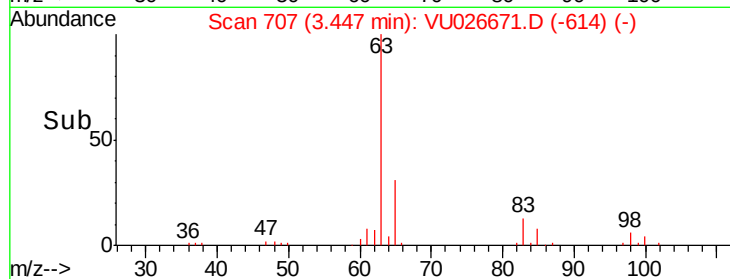
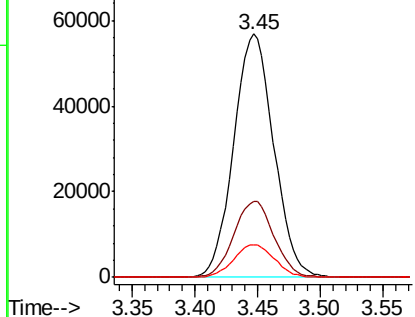
#19
 1,1-Dichloroethane
 Concen: 54.992 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion: 63 Resp: 126553
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.9 40.7
 83 13.4 9.2 17.2

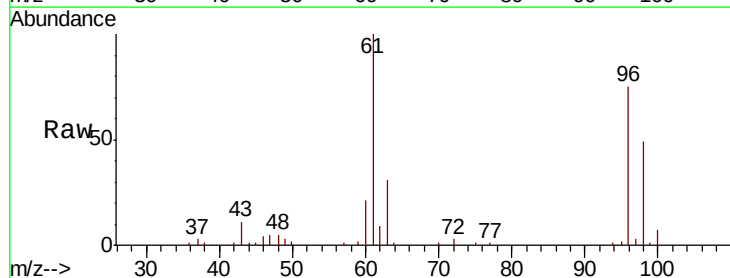


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

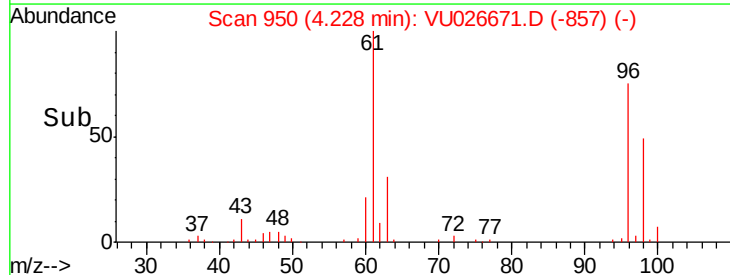
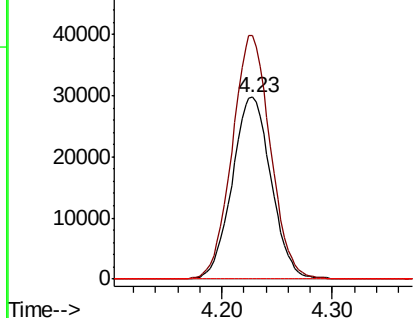


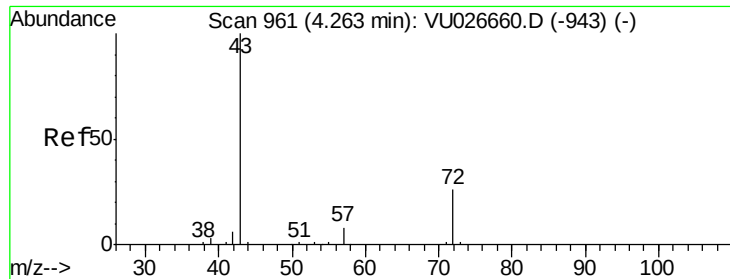
#20
 cis-1,2-Dichloroethene
 Concen: 54.351 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Tgt Ion: 96 Resp: 72643
 Ion Ratio Lower Upper
 96 100
 61 133.9 92.9 172.5
 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: 109.683 ug/L

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

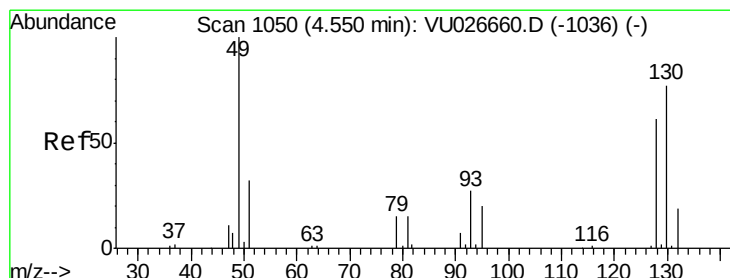
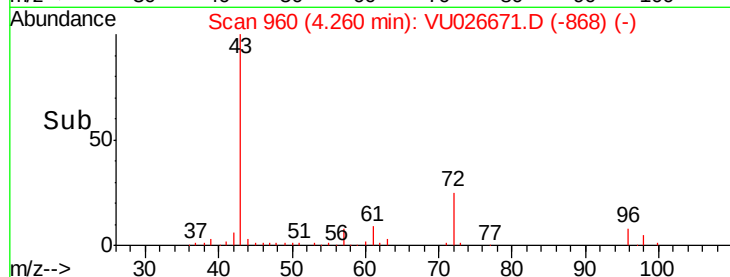
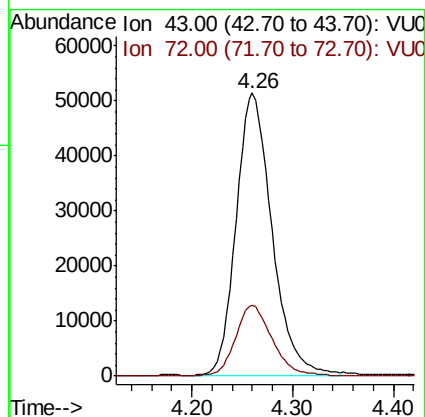
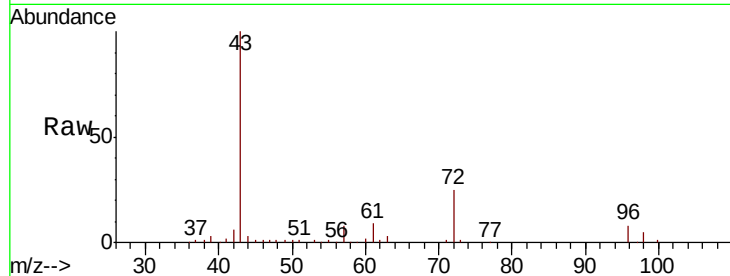
VSTD05056

Tgt Ion: 43 Resp: 125977

Ion Ratio Lower Upper

43 100

72 25.9 12.9 38.6



#23

Bromochloromethane

Concen: 55.733 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Tgt Ion: 128 Resp: 38099

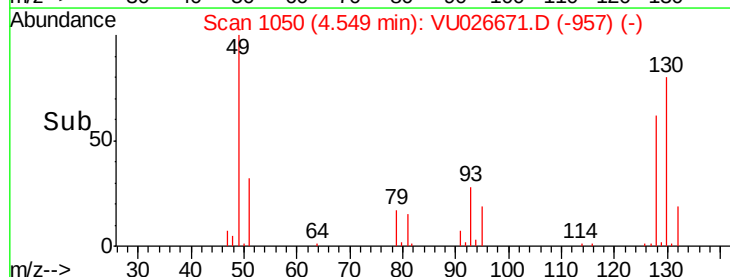
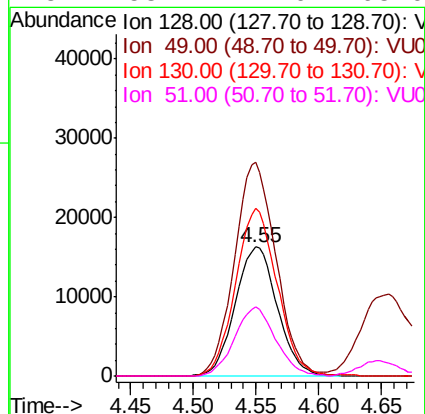
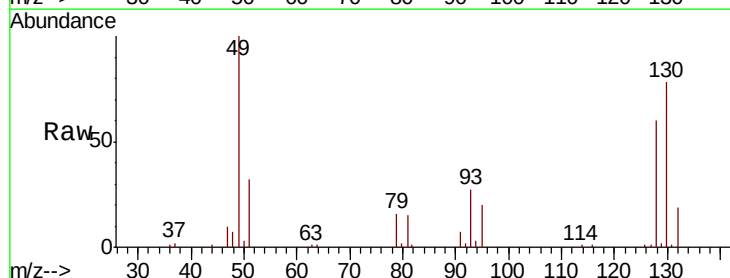
Ion Ratio Lower Upper

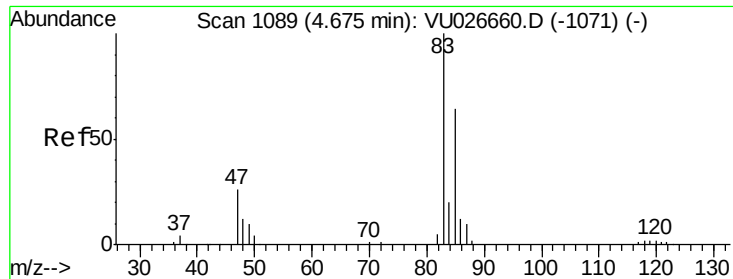
128 100

49 165.8 111.7 207.5

130 129.9 89.0 165.2

51 53.4 42.0 63.0

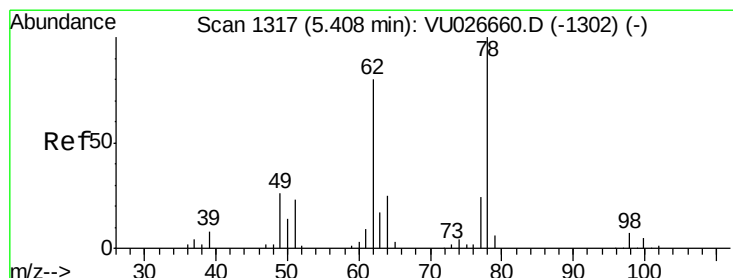
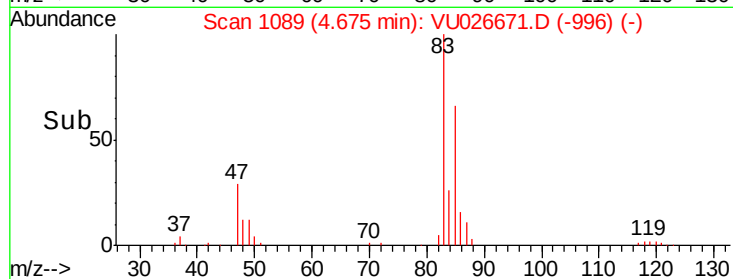
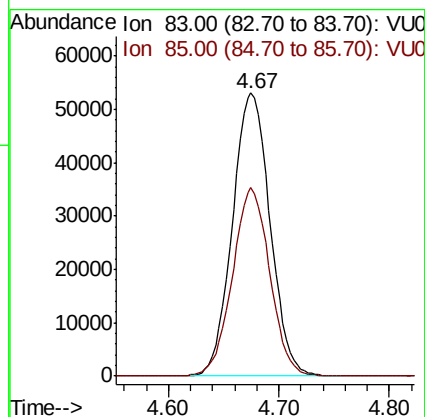
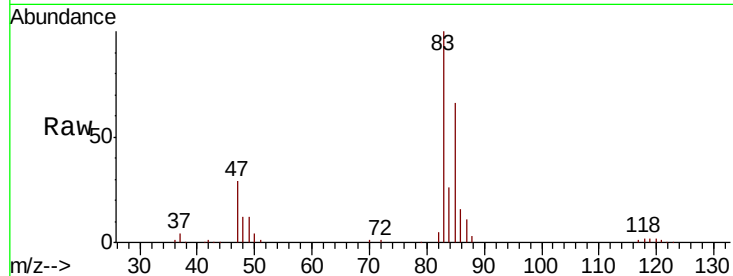




#25
Chloroform
Concen: 54.177 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026671.D
Acq: 11 Sep 2018 07:54

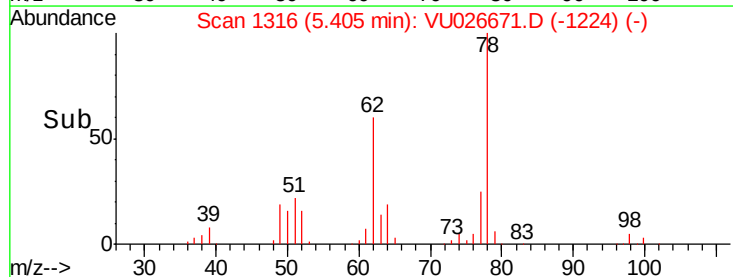
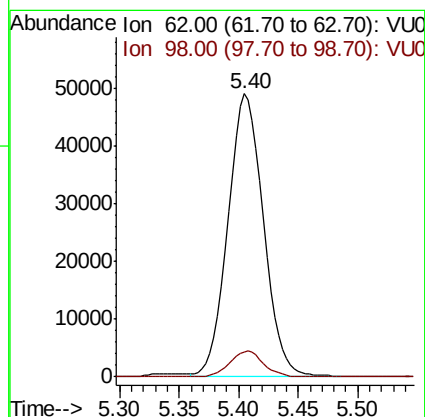
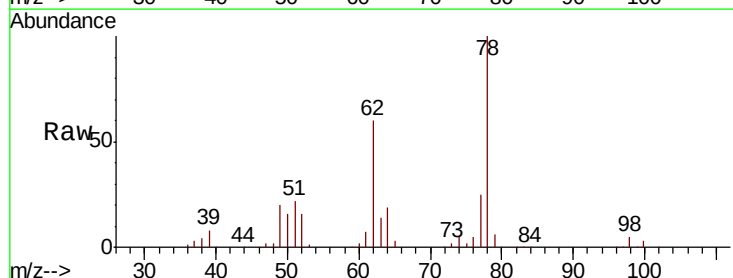
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

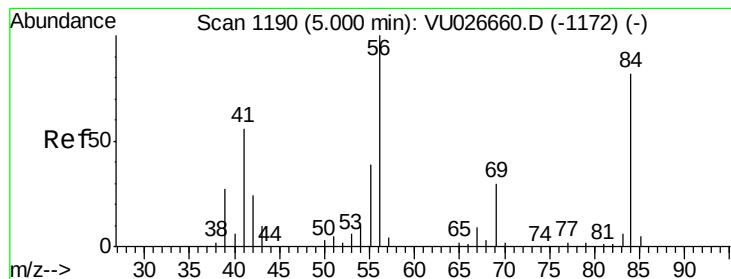
Tgt Ion: 83 Resp: 125316
Ion Ratio Lower Upper
83 100
85 66.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 55.558 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026671.D
Acq: 11 Sep 2018 07:54

Tgt Ion: 62 Resp: 102044
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0





#29

Cyclohexane

Concen: 56.903 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

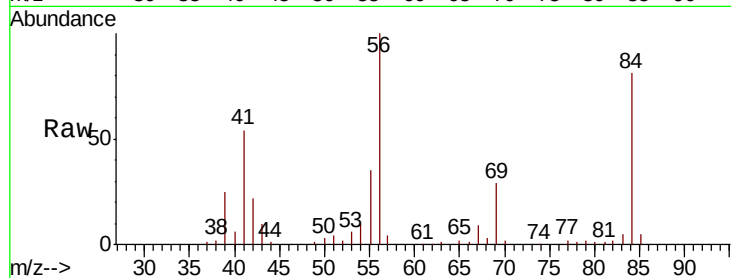
Tgt Ion: 56 Resp: 112781

Ion Ratio Lower Upper

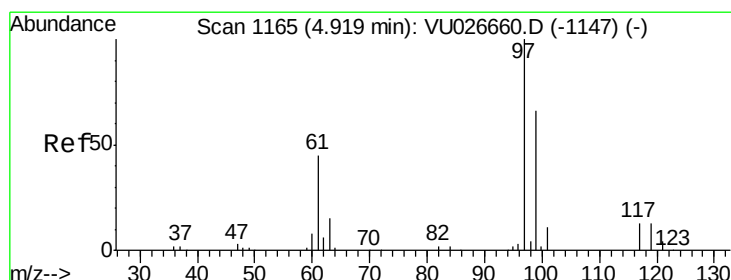
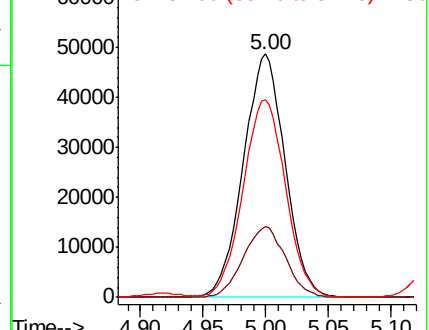
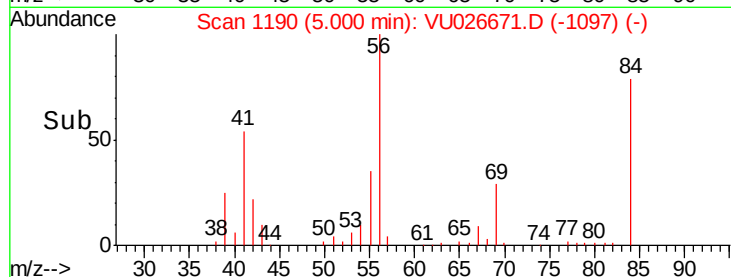
56 100

69 29.3 23.0 34.6

84 82.9 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VU026671.D (-1097) (-)



#30

1,1,1-Trichloroethane

Concen: 54.578 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

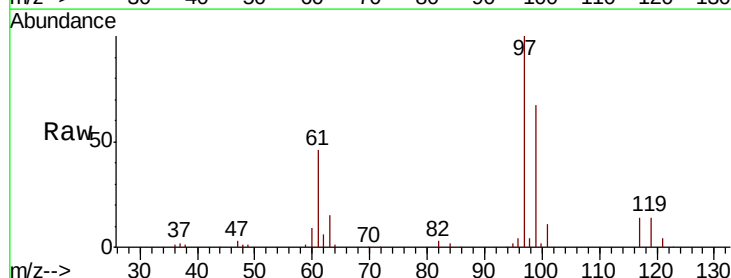
Tgt Ion: 97 Resp: 104618

Ion Ratio Lower Upper

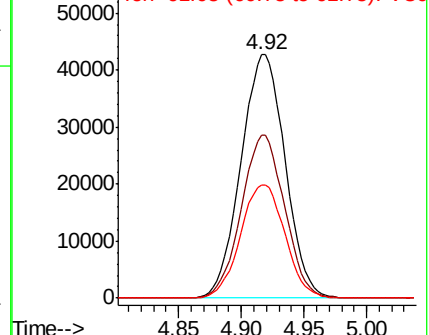
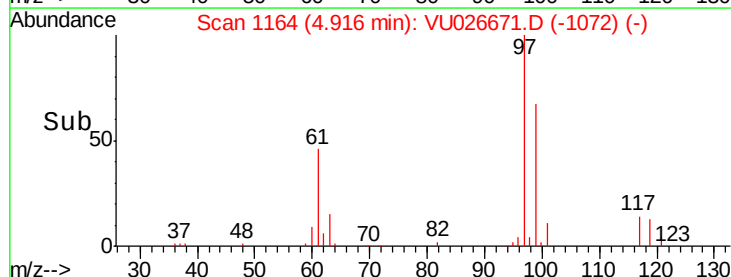
97 100

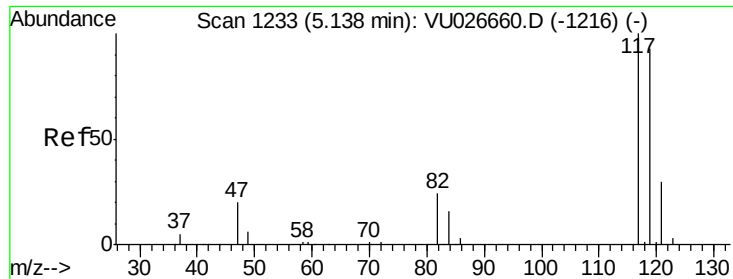
99 65.7 51.5 77.3

61 46.8 36.2 54.2



Abundance Ion 97.00 (96.70 to 97.70): VU026671.D (-1072) (-)





#31

Carbon tetrachloride

Concen: 55.097 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

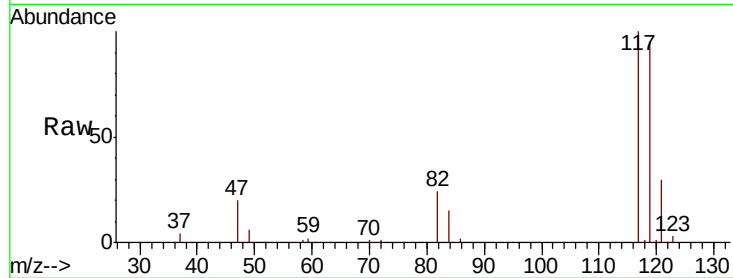
VSTD05056

Tgt Ion:117 Resp: 95462

Ion Ratio Lower Upper

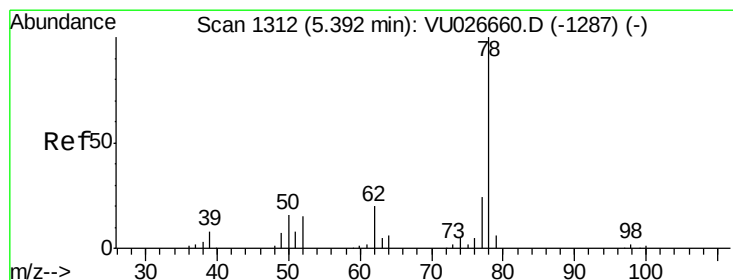
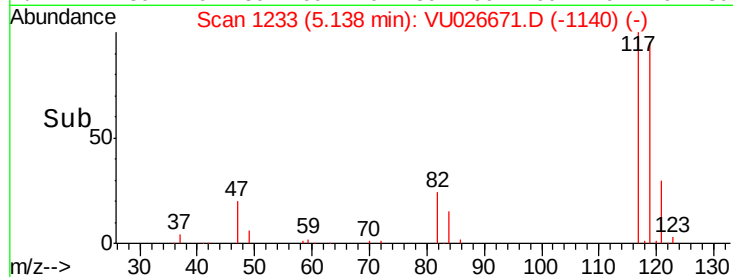
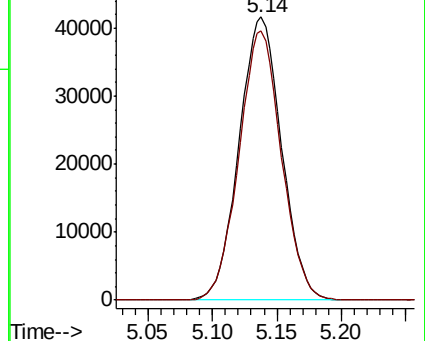
117 100

119 94.9 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.898 ug/L

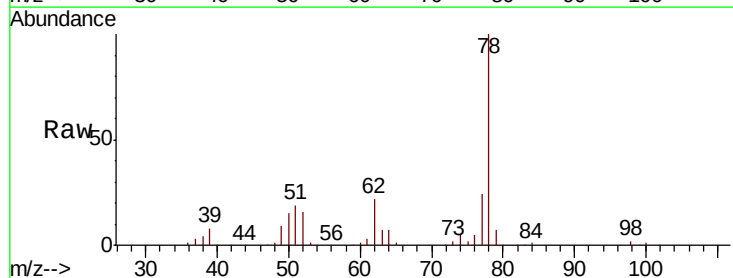
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

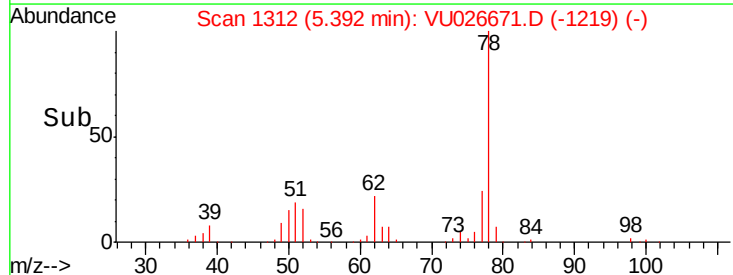
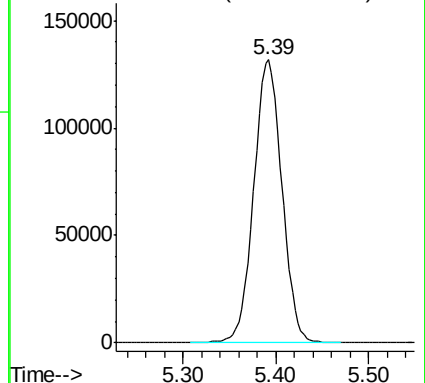
Lab File: VU026671.D

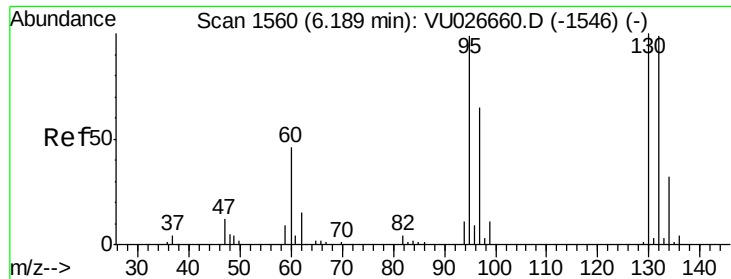
Acq: 11 Sep 2018 07:54

Tgt Ion: 78 Resp: 278169



Abundance Ion 78.00 (77.70 to 78.70): VU0

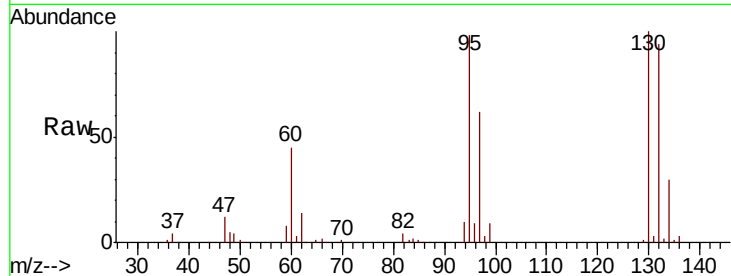




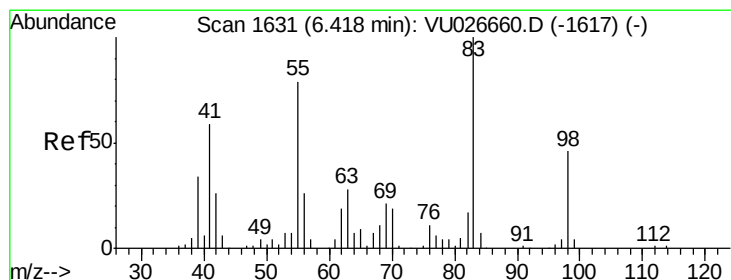
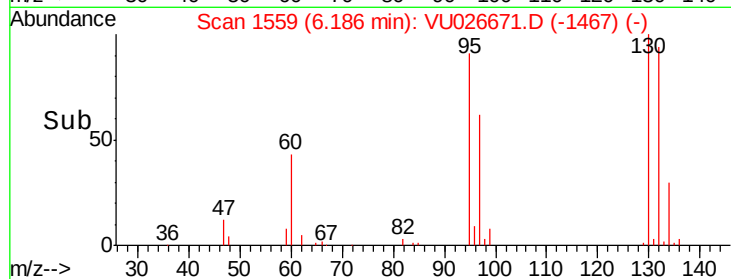
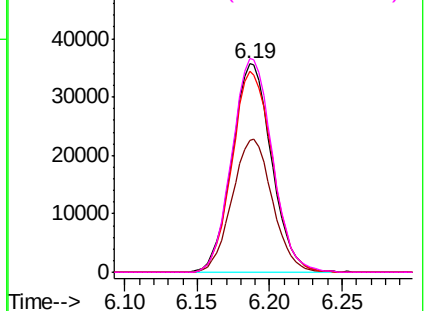
#34
 Trichloroethene
 Concen: 53.927 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05056

Tgt Ion: 95 Resp: 67917
 Ion Ratio Lower Upper
 95 100
 97 63.2 44.9 83.5
 132 96.1 69.7 129.5
 130 102.4 72.4 134.4

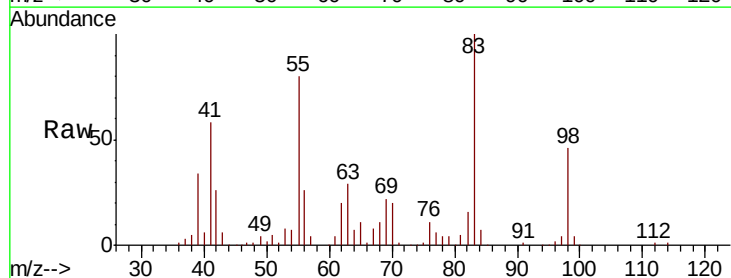


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

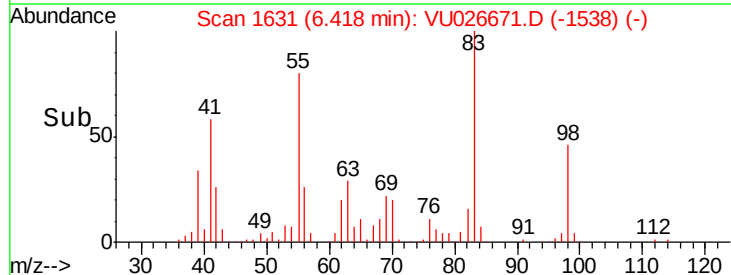
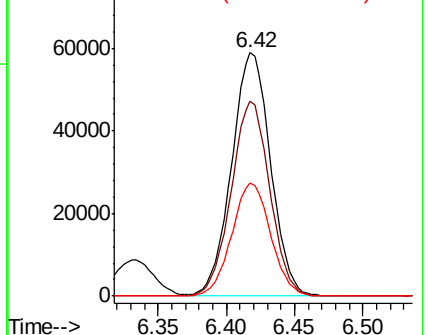


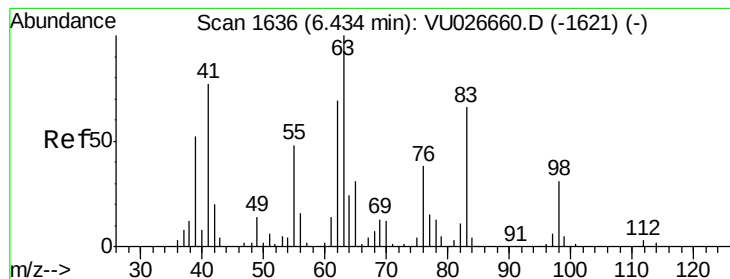
#35
 Methylcyclohexane
 Concen: 58.201 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Tgt Ion: 83 Resp: 117330
 Ion Ratio Lower Upper
 83 100
 55 78.9 62.9 94.3
 98 46.2 37.0 55.4



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: 55.818 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

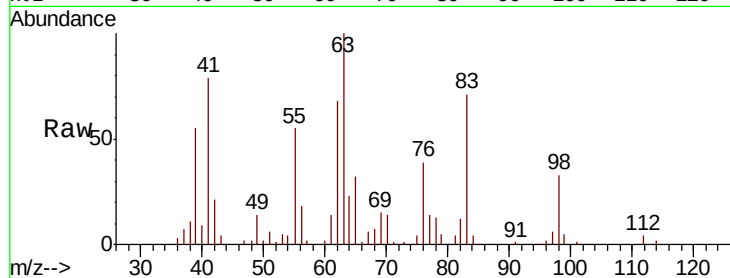
VSTD05056

Tgt Ion: 63 Resp: 79012

Ion Ratio Lower Upper

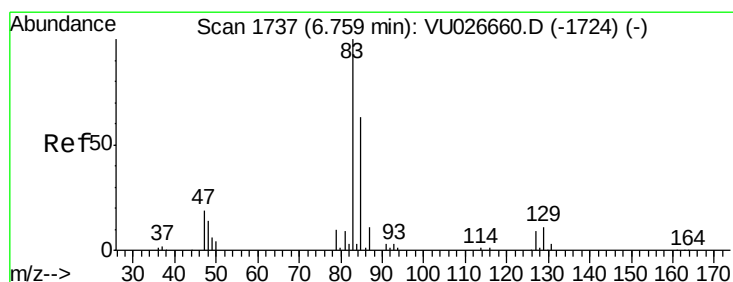
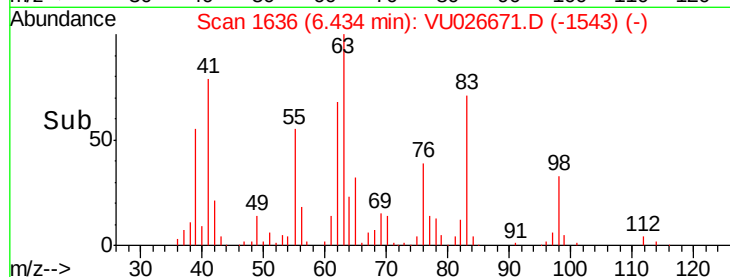
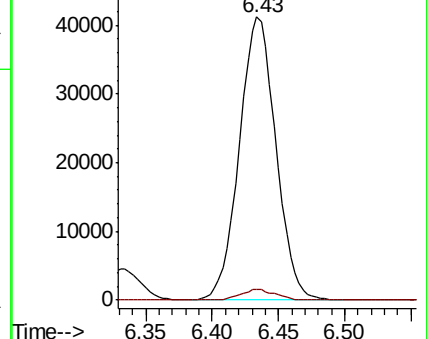
63 100

112 3.6 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 55.860 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

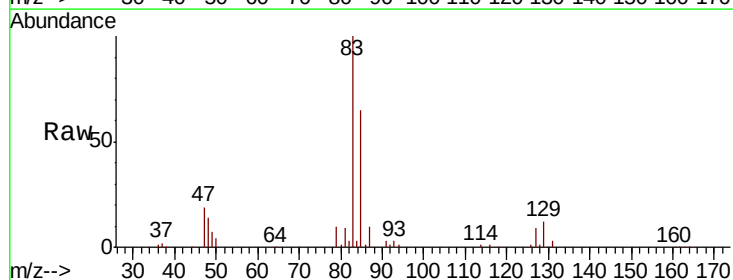
Tgt Ion: 83 Resp: 96902

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.9

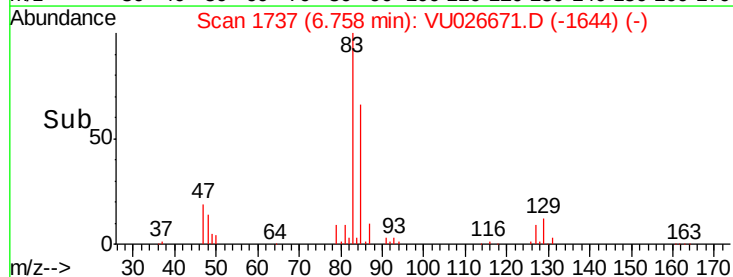
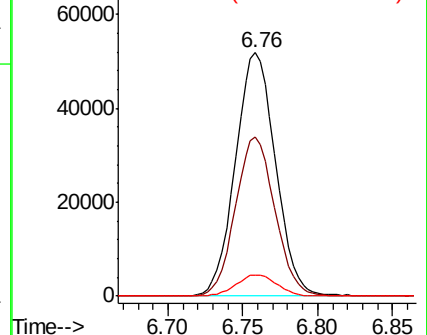
127 8.8 7.2 10.8

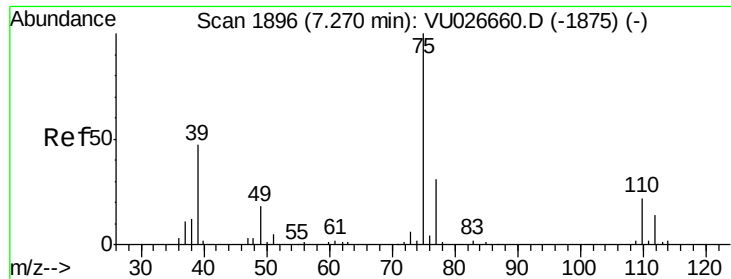


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

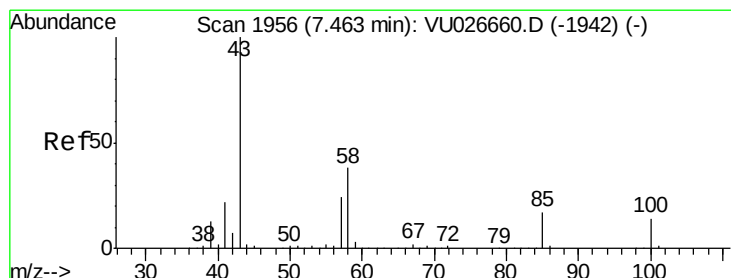
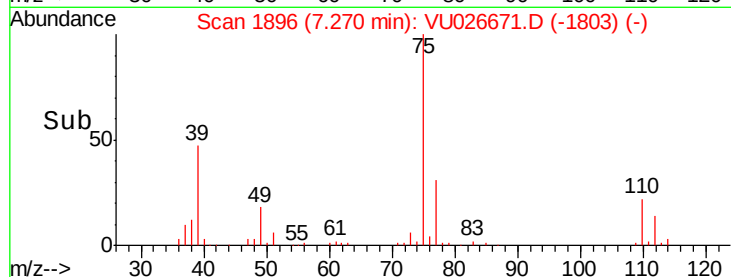
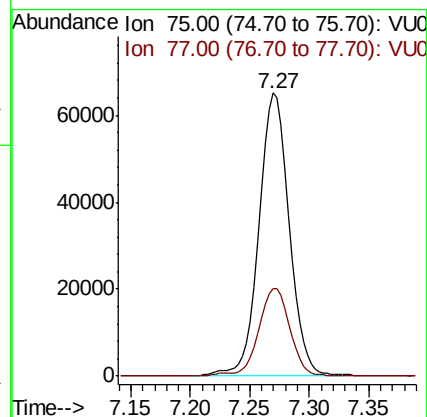
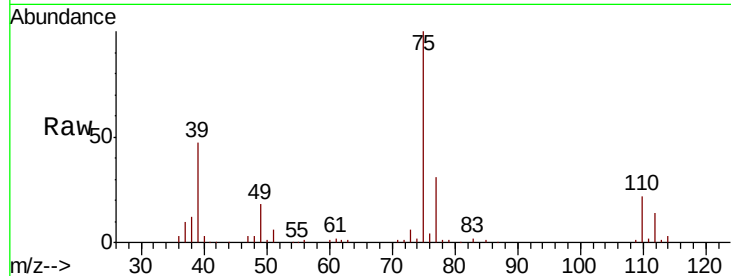




#39
 cis-1,3-Dichloropropene
 Concen: 54.996 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

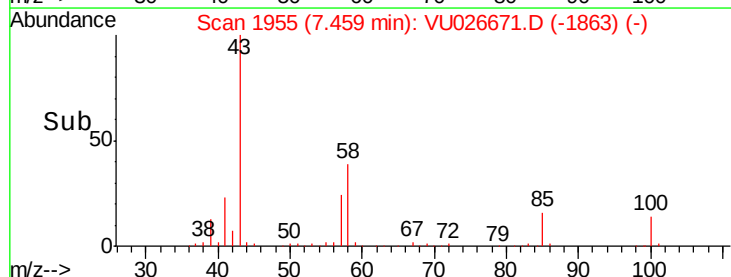
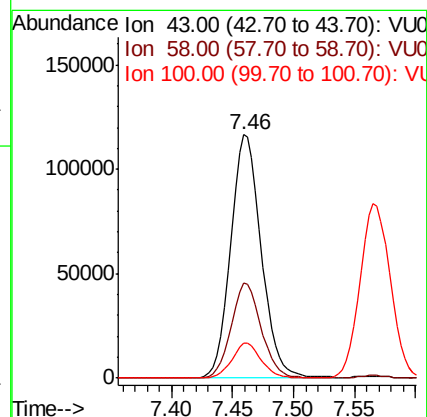
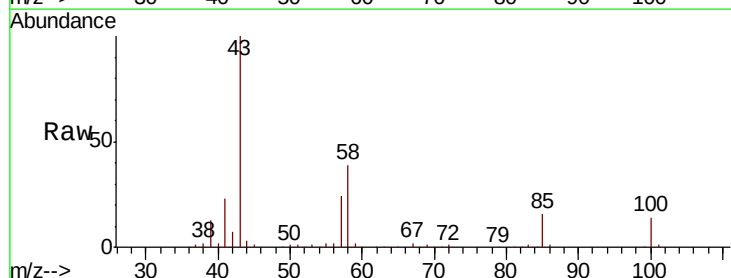
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

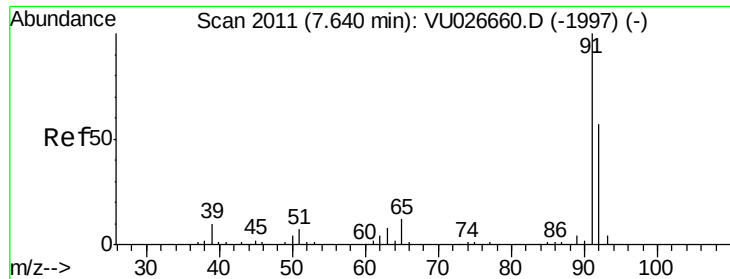
Tgt Ion: 75 Resp: 115196
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 113.150 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Tgt Ion: 43 Resp: 204309
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.1 46.7
 100 13.8 11.3 16.9





#42

Toluene

Concen: 55.822 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

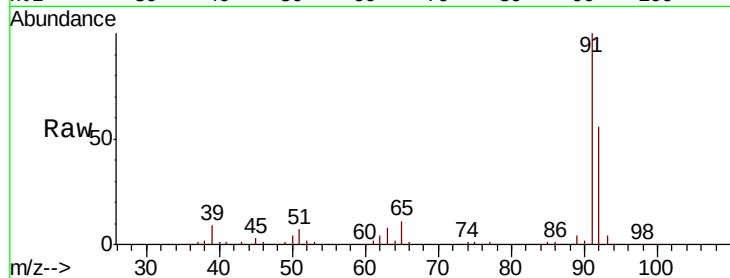
VSTD05056

Tgt Ion: 91 Resp: 293170

Ion Ratio Lower Upper

91 100

92 56.0 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

200000

150000

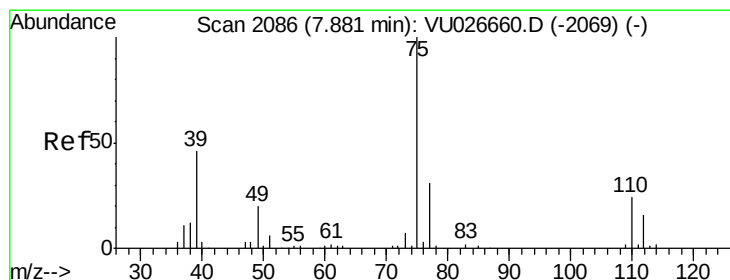
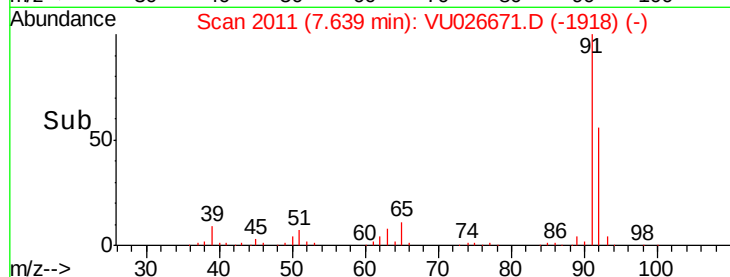
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 55.392 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026671.D

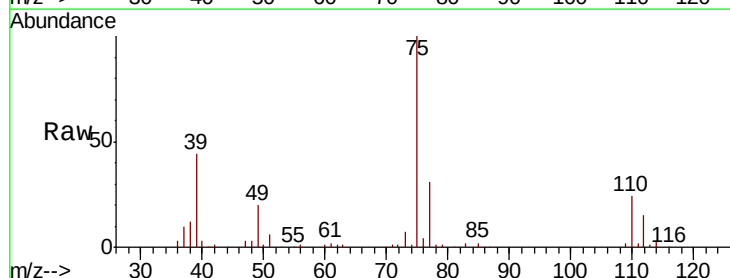
Acq: 11 Sep 2018 07:54

Tgt Ion: 75 Resp: 107940

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

60000

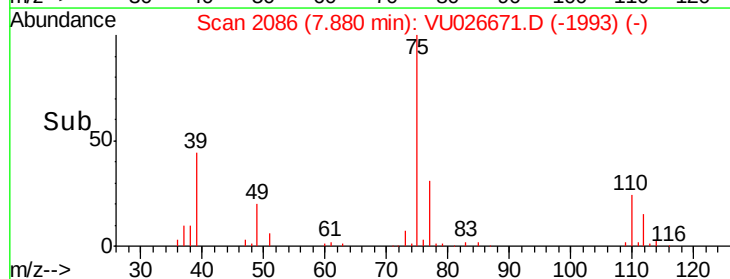
40000

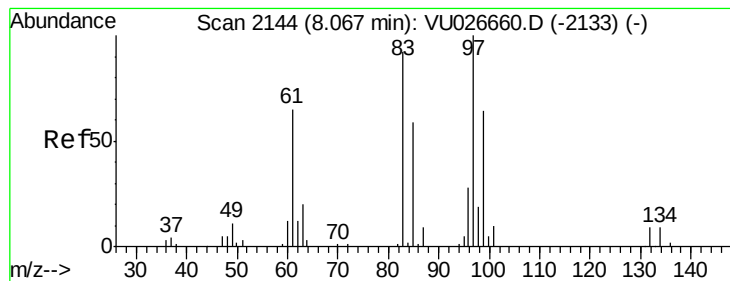
20000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 55.189 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 97 Resp: 69296

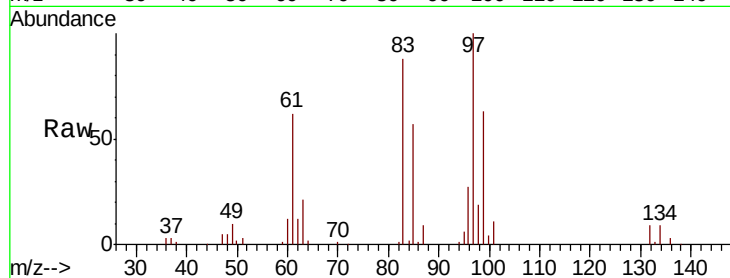
Ion Ratio Lower Upper

97 100

99 62.8 44.2 82.2

83 88.5 63.8 118.6

85 56.7 39.4 73.2

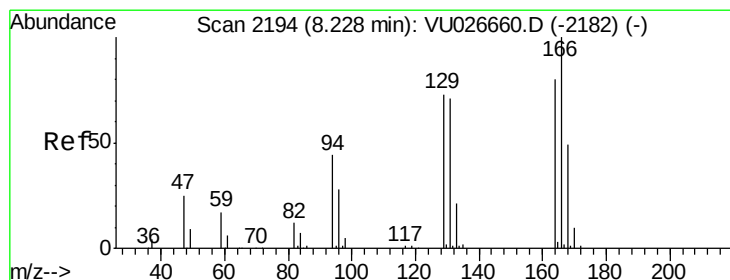
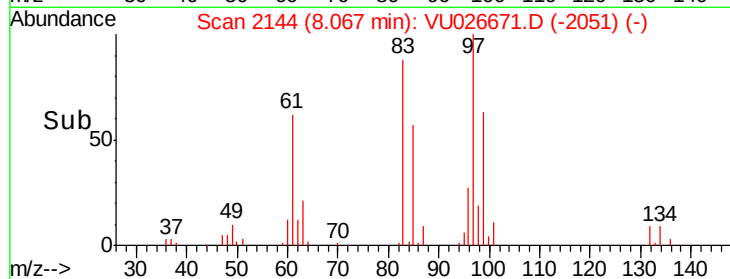
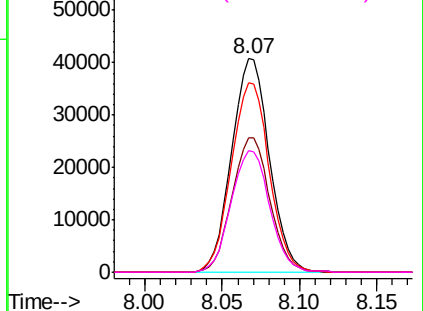


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 55.524 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Tgt Ion: 164 Resp: 58770

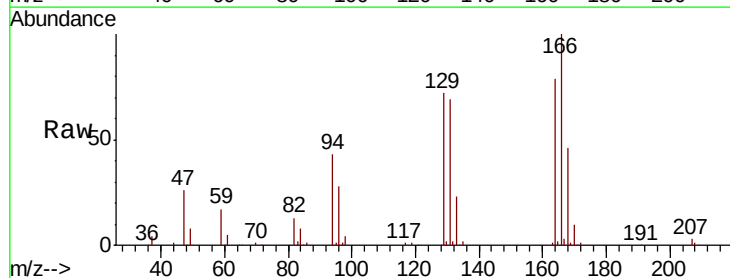
Ion Ratio Lower Upper

164 100

129 91.2 65.0 120.8

131 88.2 62.5 116.1

166 127.0 89.0 165.2

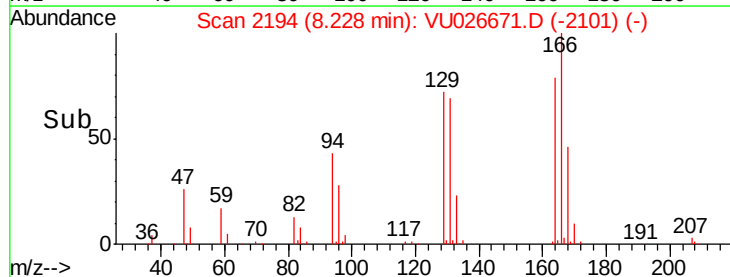
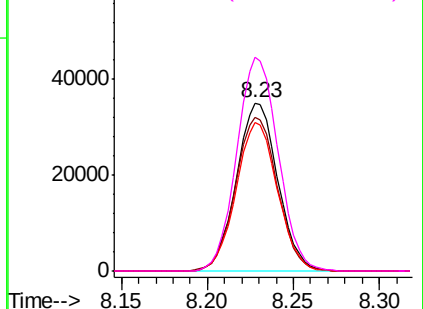


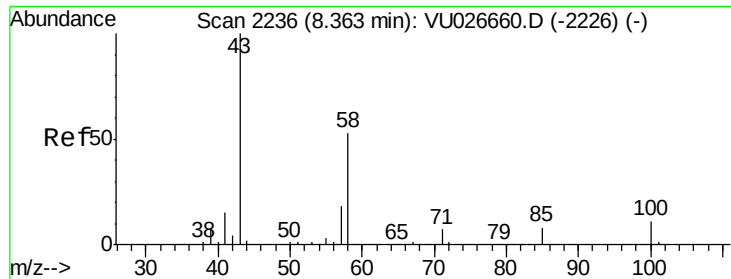
Abundance Ion 164.00 (163.70 to 164.70): V

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

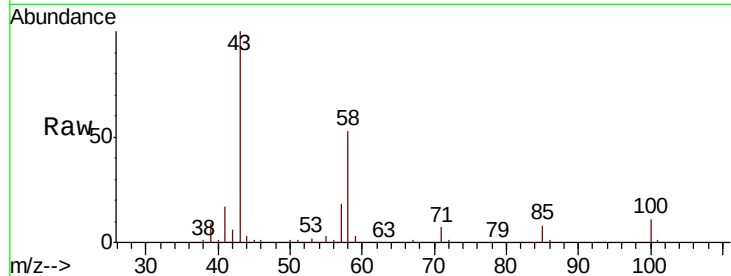




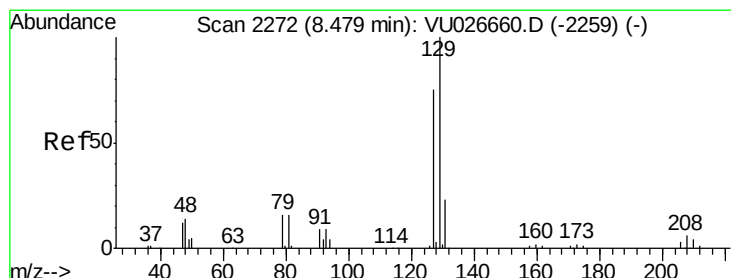
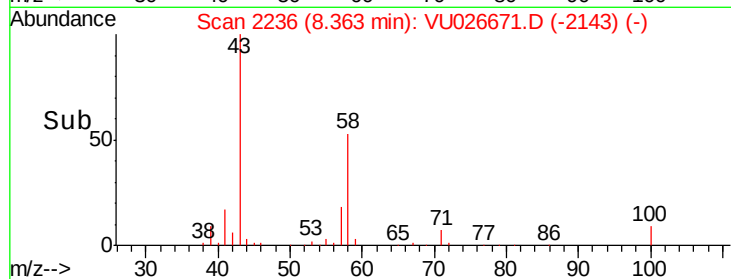
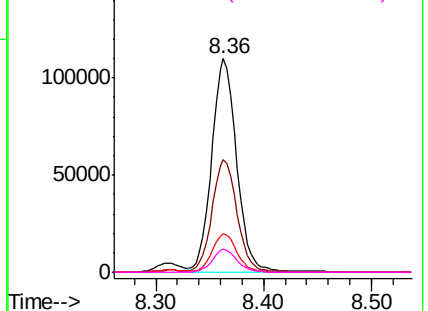
#48
2-Hexanone
Concen: 115.467 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026671.D
Acq: 11 Sep 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion: 43 Resp: 176026
Ion Ratio Lower Upper
43 100
58 53.0 42.2 63.4
57 17.9 14.4 21.6
100 10.8 8.7 13.1

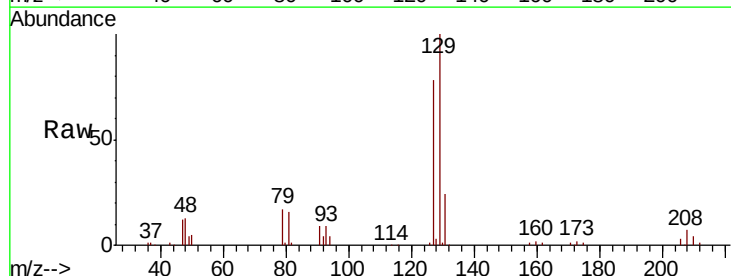


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

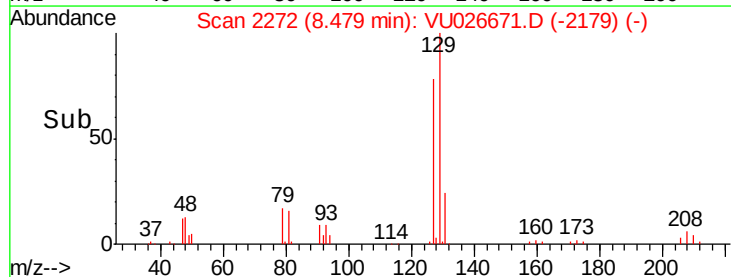
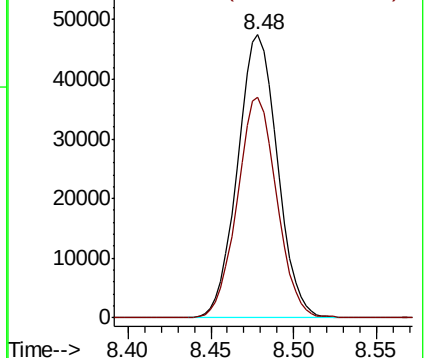


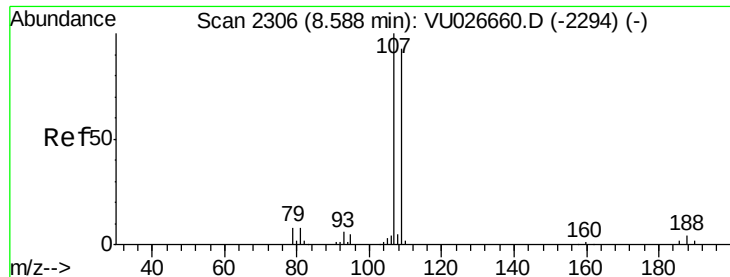
#49
Dibromochloromethane
Concen: 54.749 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026671.D
Acq: 11 Sep 2018 07:54

Tgt Ion: 129 Resp: 79458
Ion Ratio Lower Upper
129 100
127 78.0 55.8 103.6



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

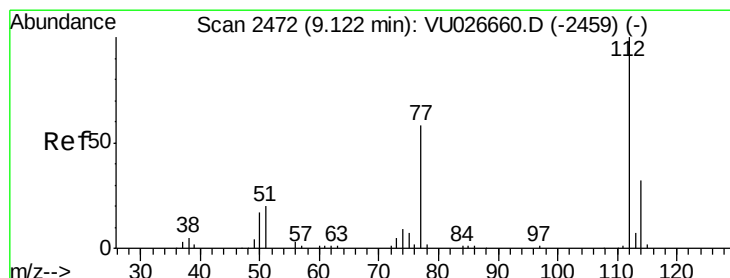
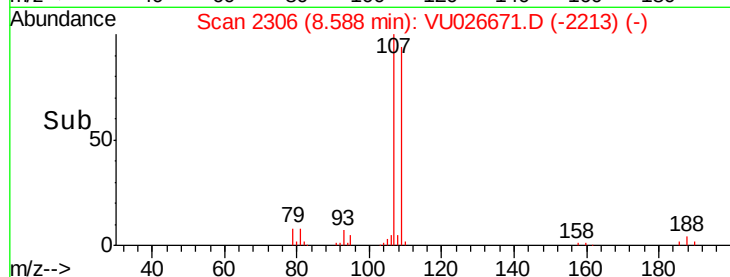
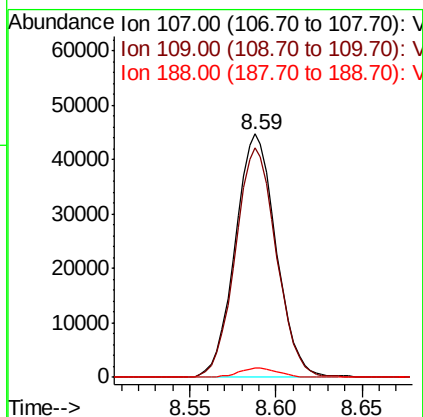
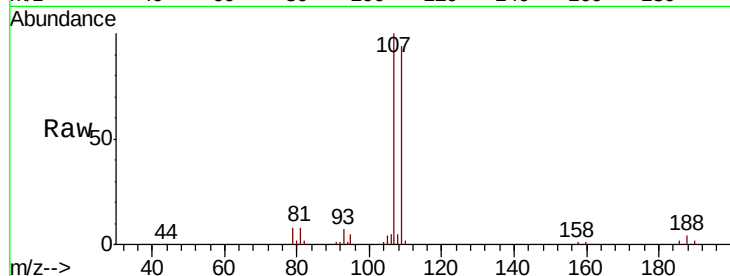




#50
1,2-Dibromoethane
Concen: 55.089 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026671.D
Acq: 11 Sep 2018 07:54

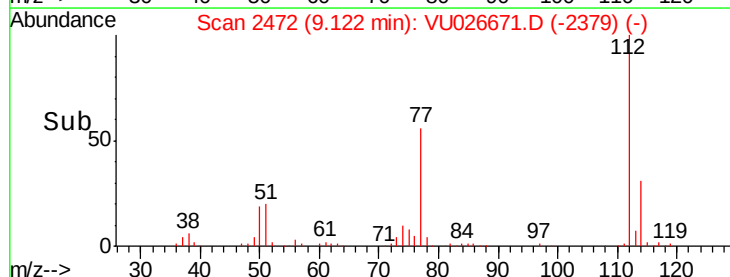
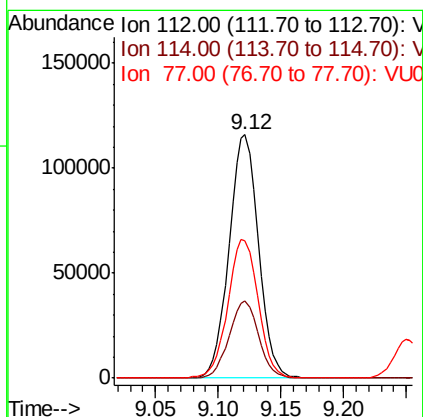
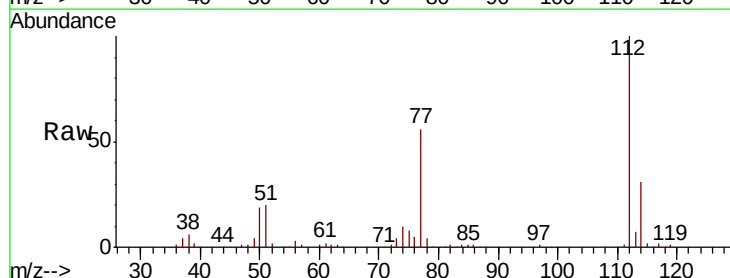
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

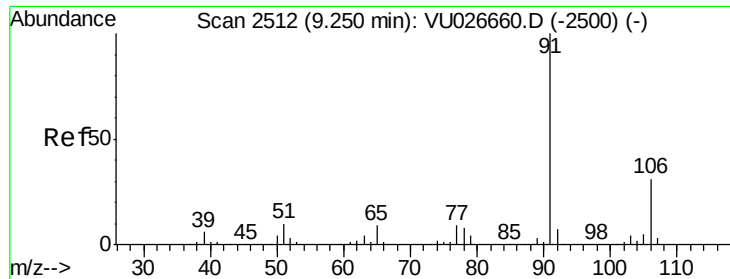
Tgt Ion:107 Resp: 73994
Ion Ratio Lower Upper
107 100
109 94.3 66.4 123.4
188 3.8 3.0 4.4



#51
Chlorobenzene
Concen: 54.773 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026671.D
Acq: 11 Sep 2018 07:54

Tgt Ion:112 Resp: 188876
Ion Ratio Lower Upper
112 100
114 31.5 22.9 42.5
77 56.5 47.2 70.8





#52

Ethylbenzene

Concen: 56.077 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

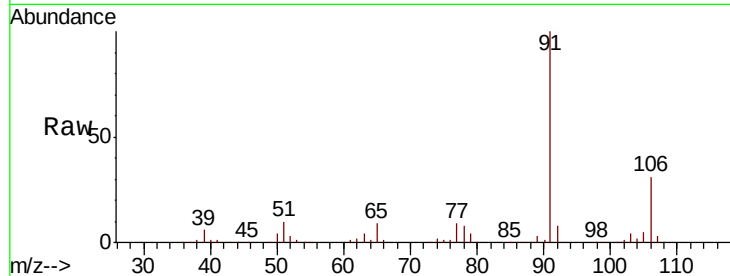
VSTD05056

Tgt Ion: 91 Resp: 318506

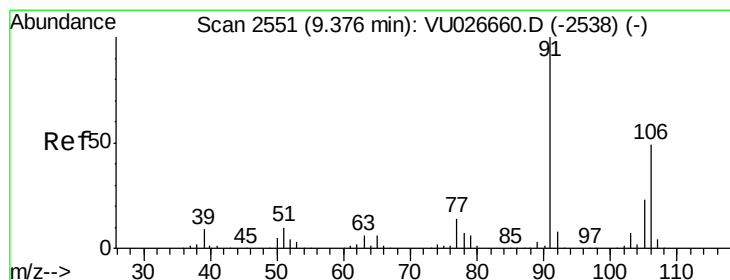
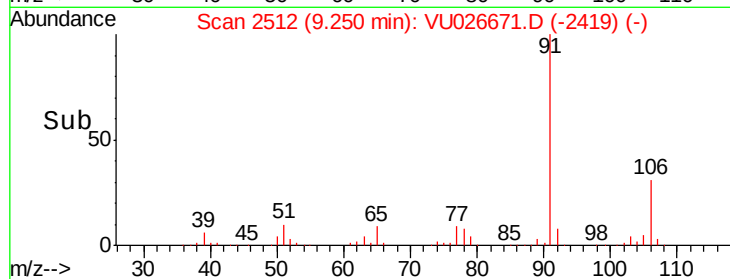
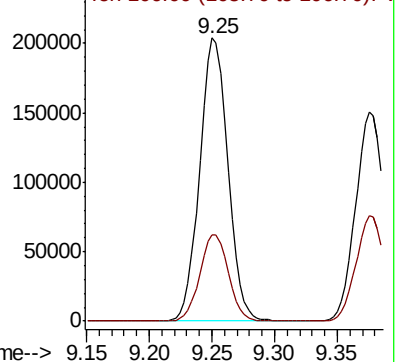
Ion Ratio Lower Upper

91 100

106 30.7 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026660.D (-2500) (-)



#53

m,p-Xylene

Concen: 57.843 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026671.D

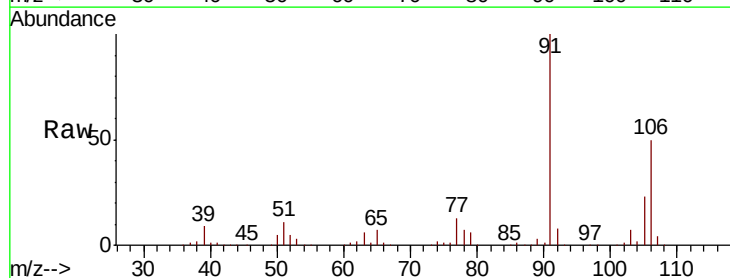
Acq: 11 Sep 2018 07:54

Tgt Ion: 106 Resp: 123877

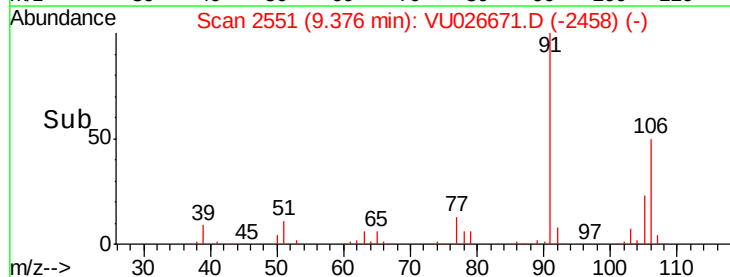
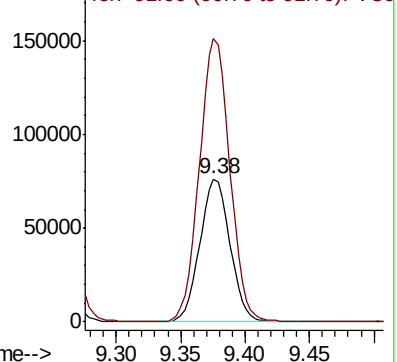
Ion Ratio Lower Upper

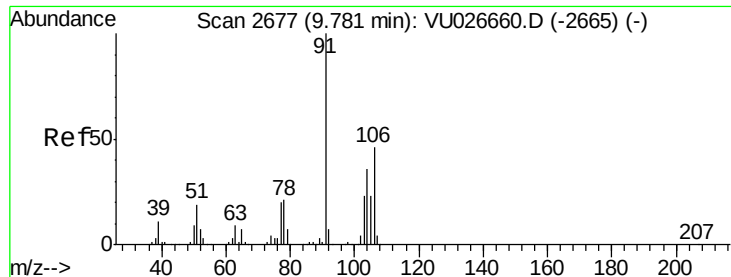
106 100

91 198.1 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026660.D (-2538) (-)





#54

o-xylene

Concen: 56.654 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

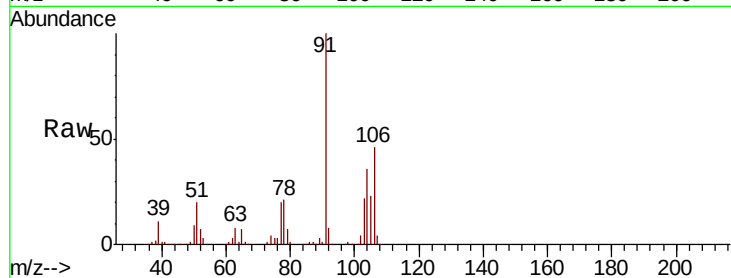
VSTD05056

Tgt Ion:106 Resp: 120417

Ion Ratio Lower Upper

106 100

91 215.9 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

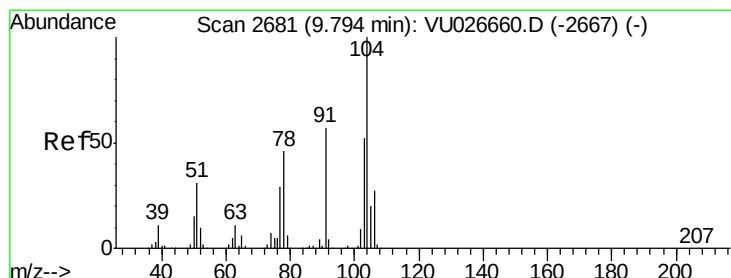
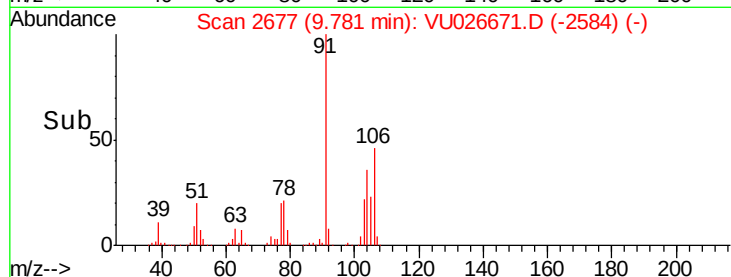
100000

50000

0

9.70 9.75 9.80 9.85

Time-->



#55

Styrene

Concen: 57.782 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026671.D

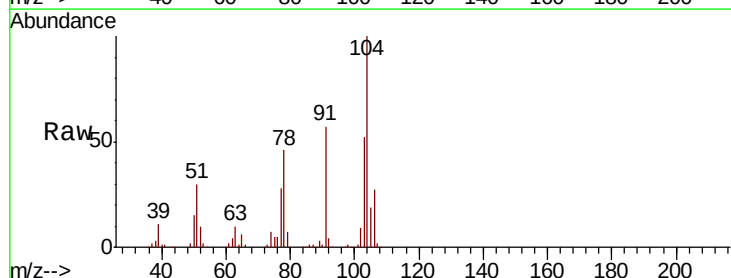
Acq: 11 Sep 2018 07:54

Tgt Ion:104 Resp: 207749

Ion Ratio Lower Upper

104 100

78 46.1 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

150000

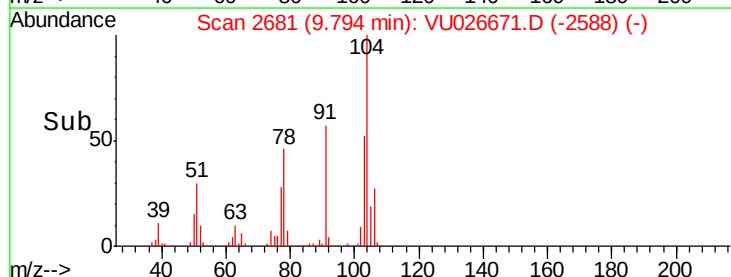
100000

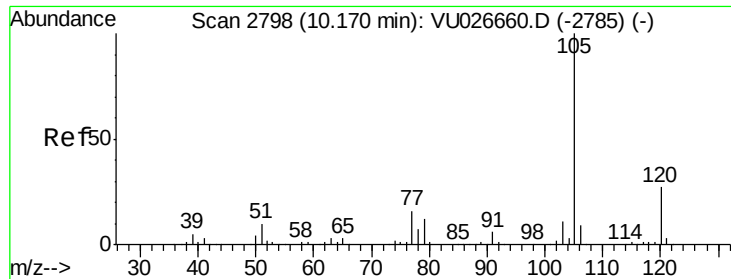
50000

0

9.75 9.80 9.85

Time-->





#56

Isopropylbenzene

Concen: 57.851 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

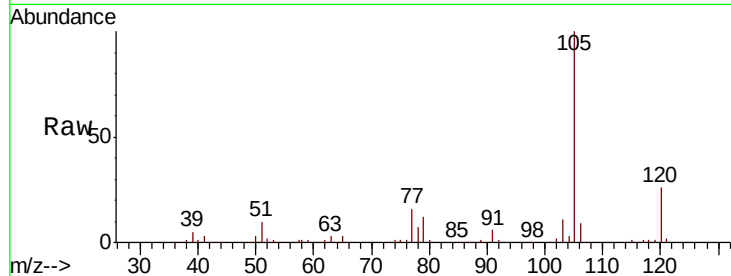
Tgt Ion:105 Resp: 313228

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

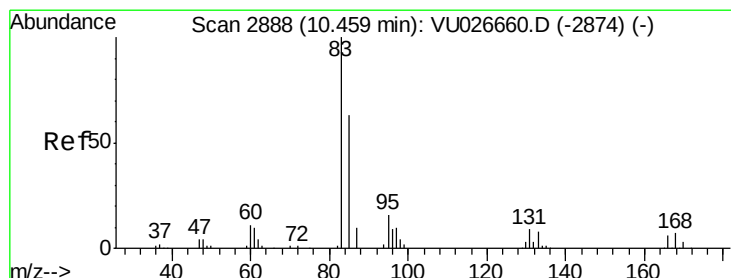
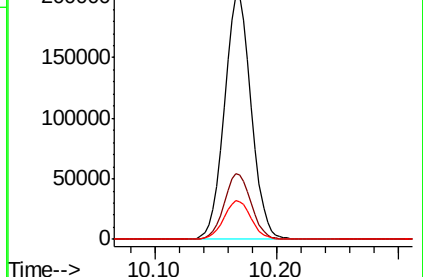
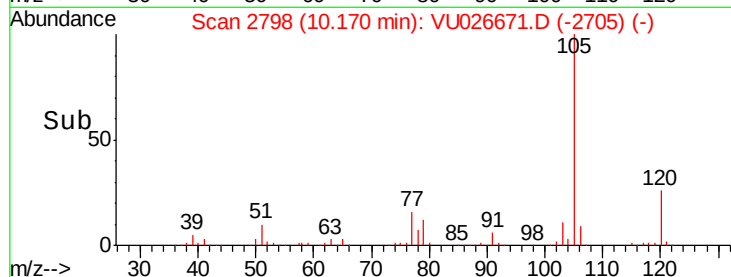
77 16.0 12.6 18.8



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: 55.317 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

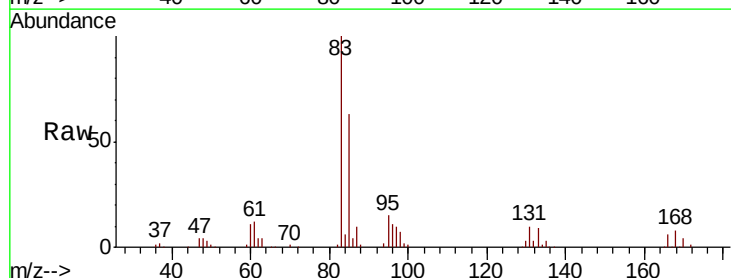
Tgt Ion: 83 Resp: 120326

Ion Ratio Lower Upper

83 100

85 63.2 45.4 84.2

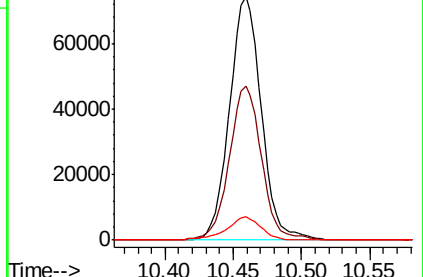
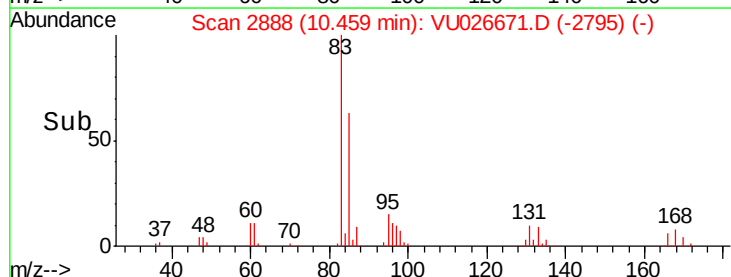
131 9.5 8.0 12.0

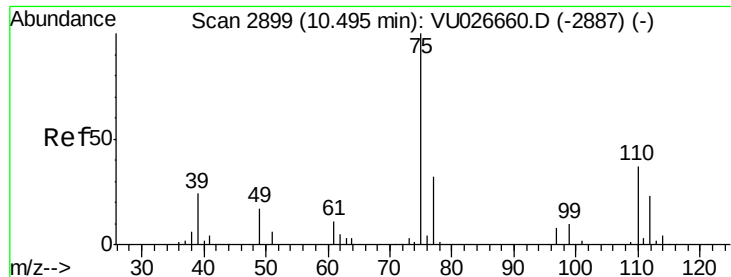


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

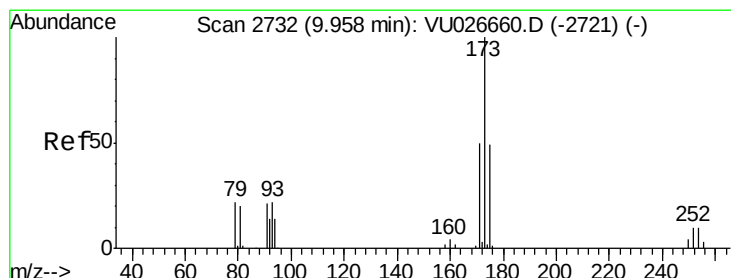
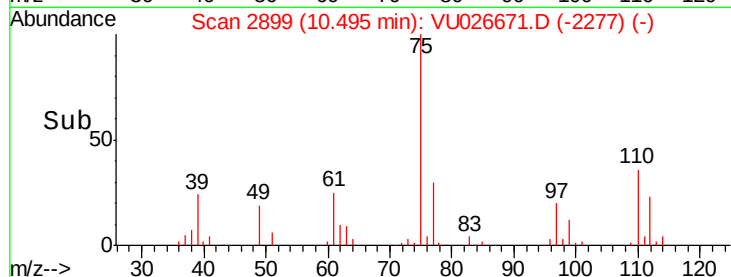
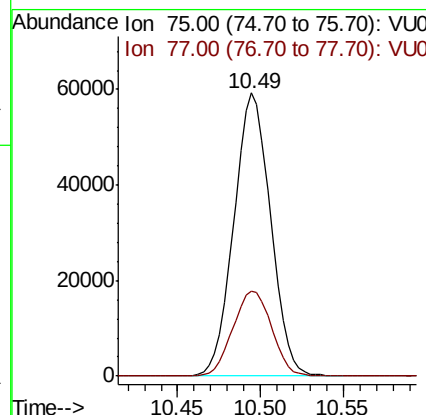
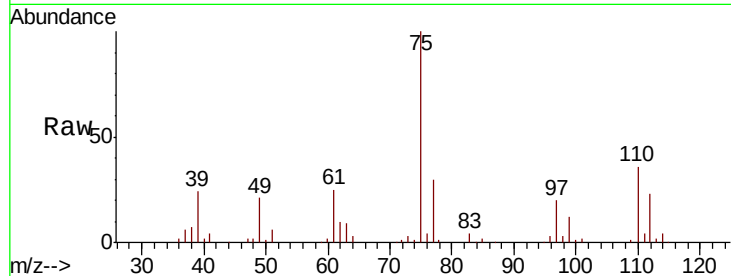




#59
 1,2,3-Trichloropropane
 Concen: 54.563 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

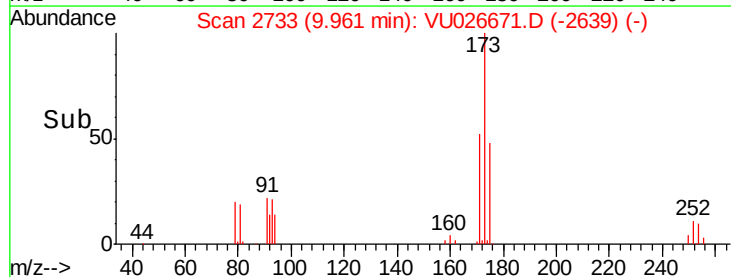
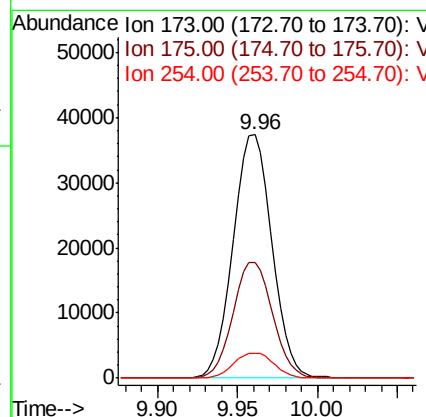
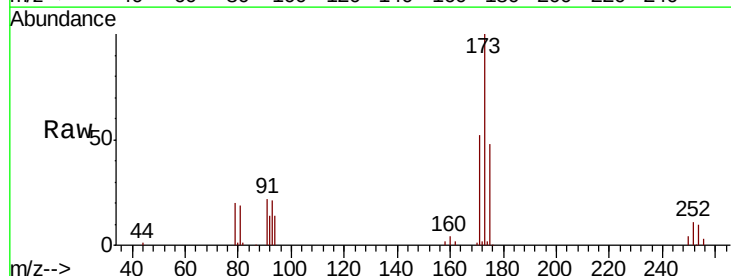
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

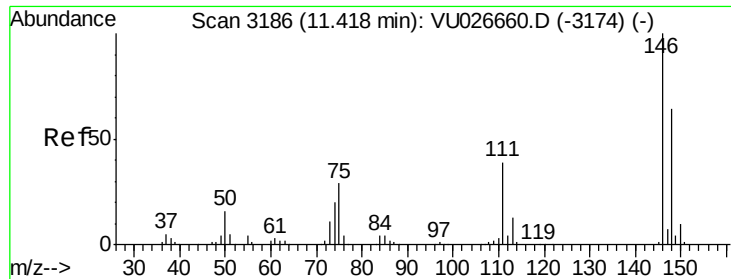
Tgt Ion: 75 Resp: 91385
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6



#61
 Bromoform
 Concen: 54.882 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Tgt Ion: 173 Resp: 61786
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.2 57.4
 254 10.6 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 55.192 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

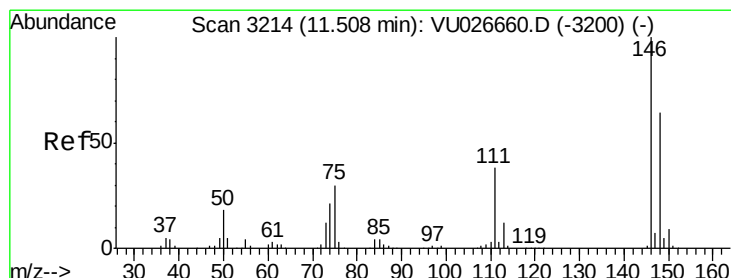
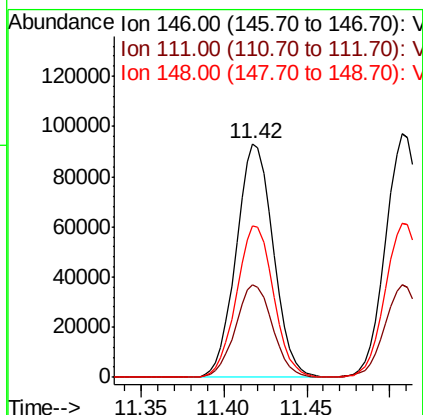
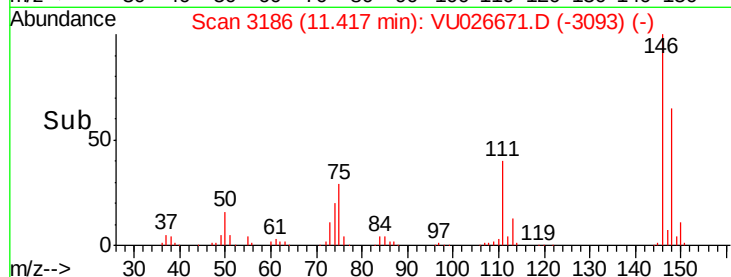
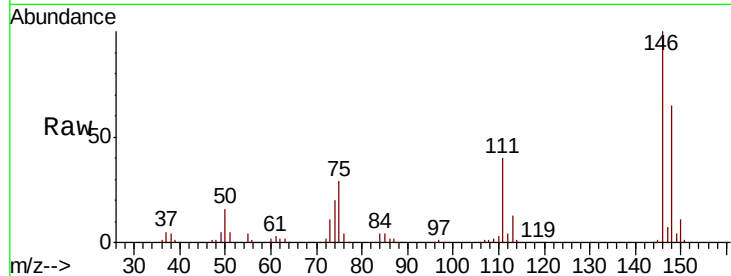
Tgt Ion:146 Resp: 144829

Ion Ratio Lower Upper

146 100

111 39.8 26.7 49.5

148 64.9 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 53.940 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

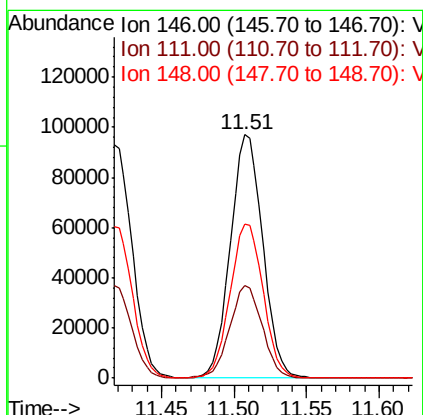
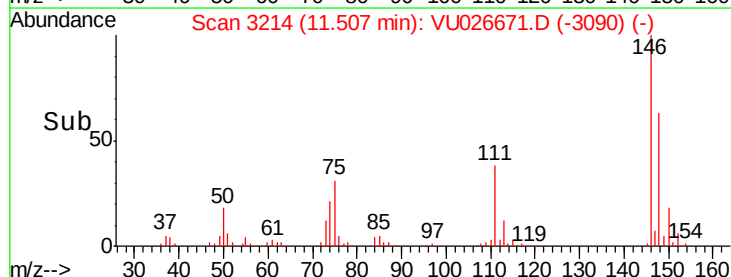
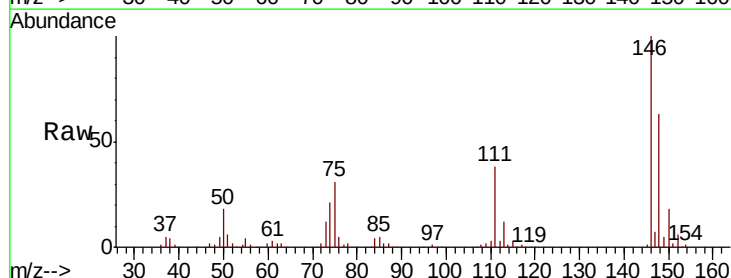
Tgt Ion:146 Resp: 149946

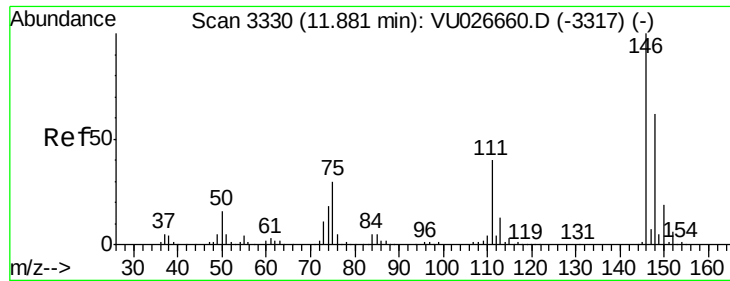
Ion Ratio Lower Upper

146 100

111 38.2 26.5 49.3

148 63.4 45.2 84.0

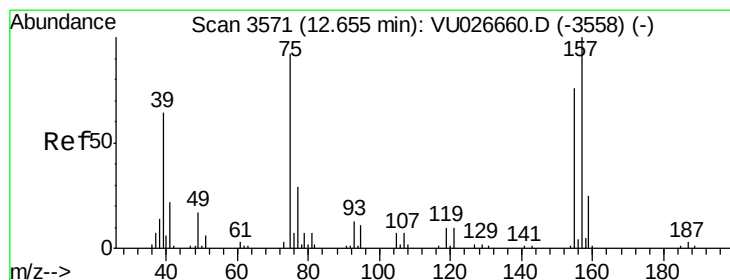
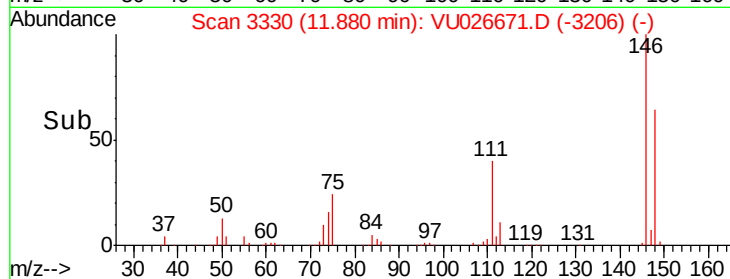
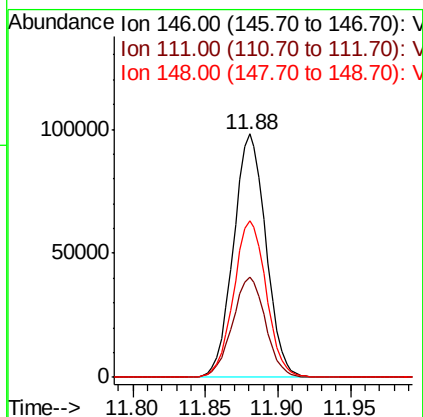
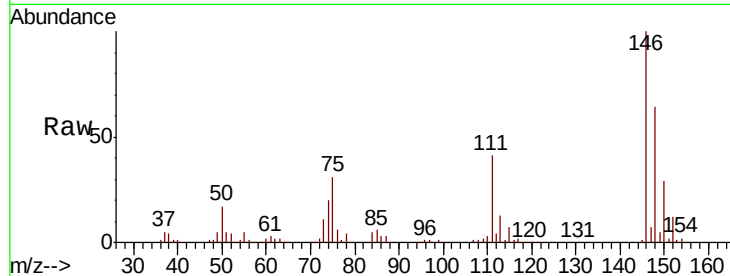




#65
 1,2-Dichlorobenzene
 Concen: 55.004 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

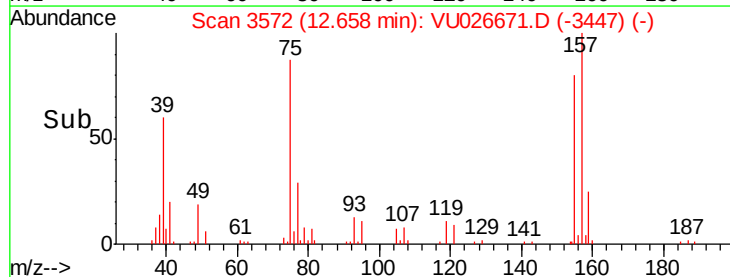
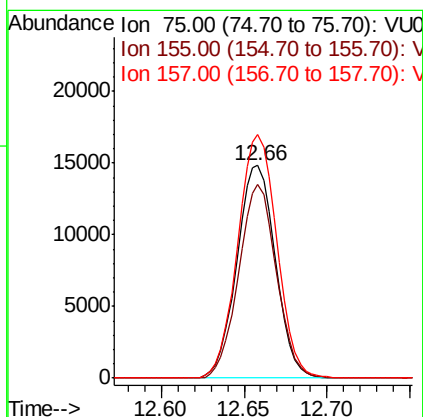
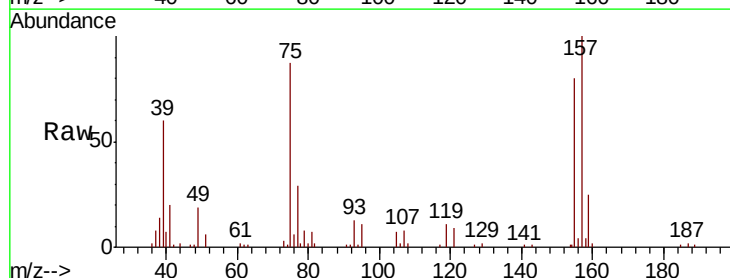
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

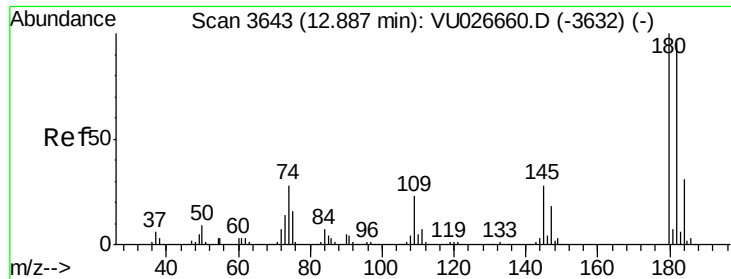
Tgt Ion: 146 Resp: 152545
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.8 49.2
 148 64.3 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.581 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Tgt Ion: 75 Resp: 24007
 Ion Ratio Lower Upper
 75 100
 155 91.4 69.3 103.9
 157 114.6 93.4 140.0

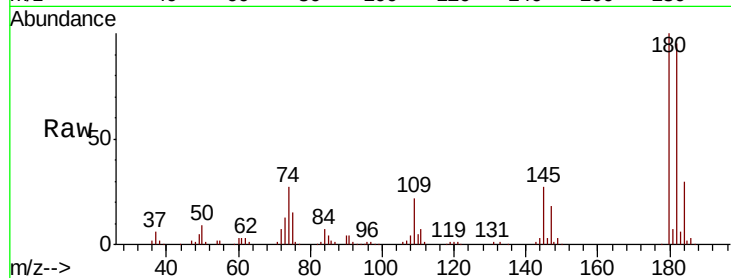




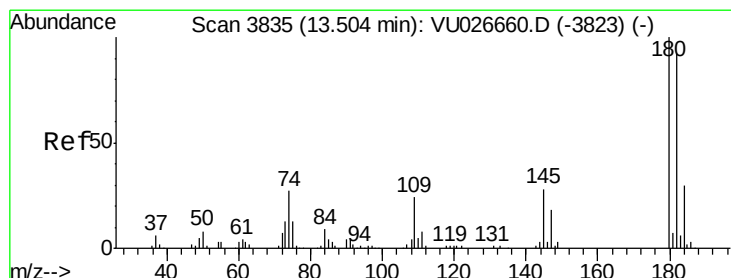
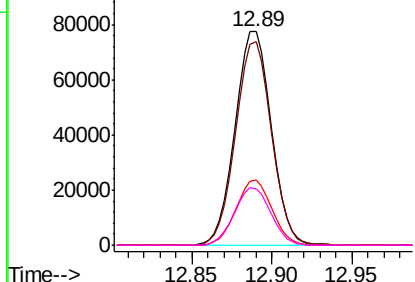
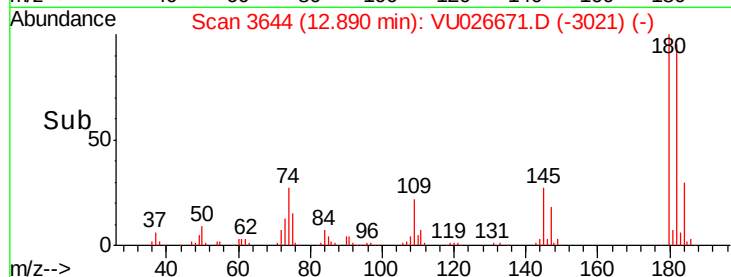
#67
 1,3,5-Trichlorobenzene
 Concen: 57.378 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
184	30.2	24.2	36.2
145	27.1	21.4	32.2

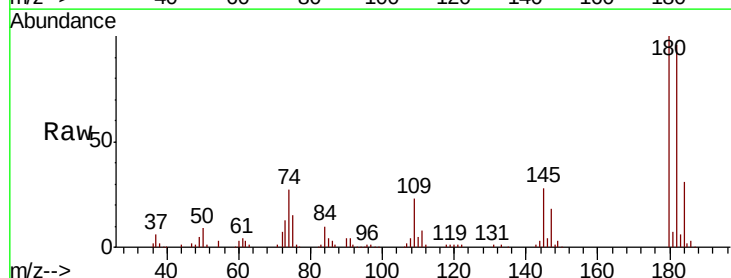


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

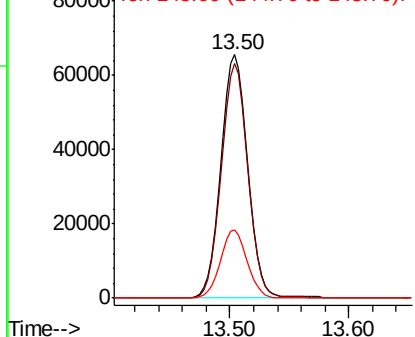
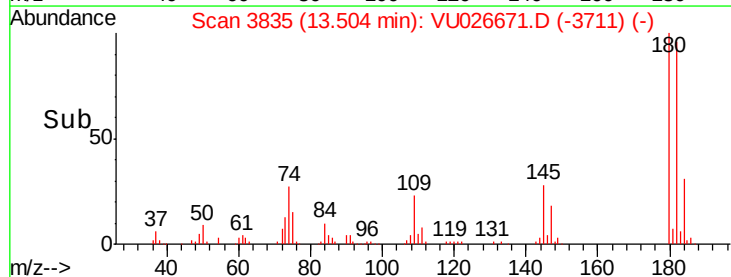


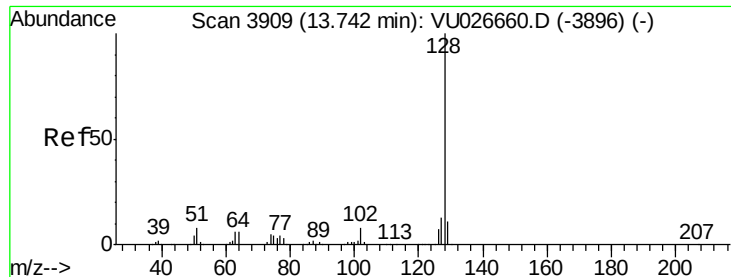
#68
 1,2,4-trichlorobenzene
 Concen: 56.650 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026671.D
 Acq: 11 Sep 2018 07:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.0	114.0
145	27.9	23.4	35.0



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: 57.669 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

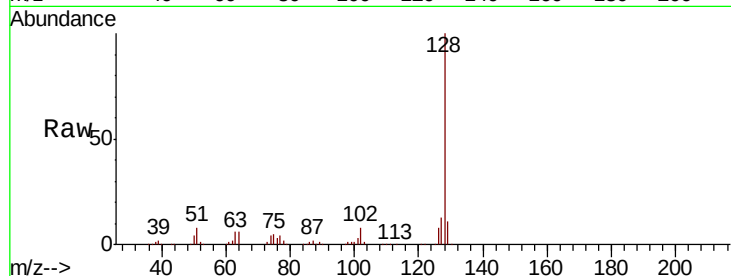
Tgt Ion:128 Resp: 319703

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

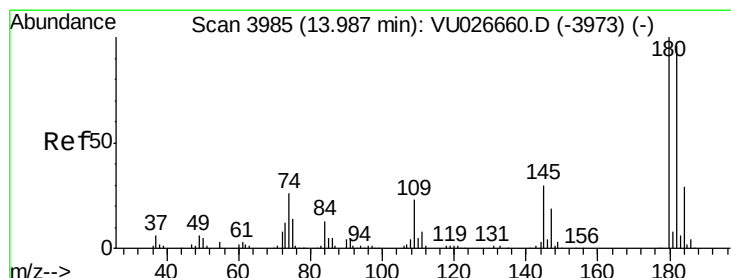
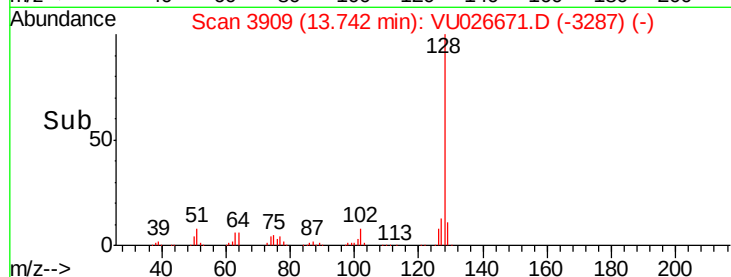
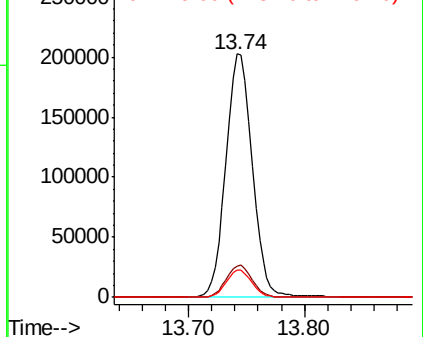
129 10.9 8.6 13.0



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: 56.290 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026671.D

Acq: 11 Sep 2018 07:54

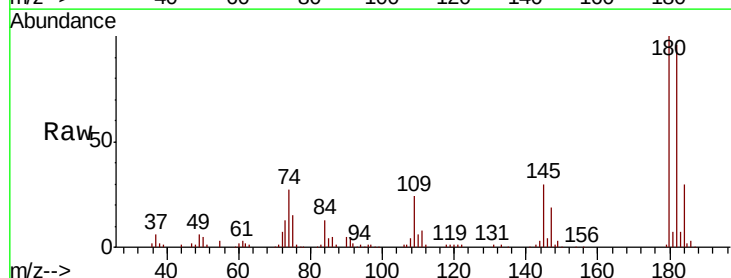
Tgt Ion:180 Resp: 110312

Ion Ratio Lower Upper

180 100

182 96.8 76.7 115.1

145 29.6 23.0 34.6



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

