

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091118\
 Data File : VU026674.D
 Acq On : 11 Sep 2018 09:34
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Sep 12 00:46:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 12 00:46:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	195962	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	186894	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94416	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62778	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.98%
7) Chloroethane-d5	1.68	69	53141	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.32%
11) 1,1-Dichloroethene-d2	2.27	63	119948	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.80%
21) 2-Butanone-d5	4.17	46	93743	103.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.16%
24) Chloroform-d	4.65	84	116452	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	5.31	65	75521	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
32) Benzene-d6	5.34	84	232145	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
36) 1,2-Dichloropropane-d6	6.33	67	78278	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.44%
41) Toluene-d8	7.57	98	220316	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%
43) trans-1,3-Dichloropropene-	7.85	79	36633	48.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.08%
47) 2-Hexanone-d5	8.31	63	69531	104.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.99%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109487	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	90292	47.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.94%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	64891	52.606	ug/L 100
3) Chloromethane	1.33	50	82356	50.790	ug/L 99
5) Vinyl chloride	1.40	62	88361	52.737	ug/L 98
6) Bromomethane	1.62	94	46522	47.646	ug/L 97
8) Chloroethane	1.70	64	53961	51.928	ug/L 99
9) Trichlorofluoromethane	1.88	101	112512	53.253	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	65059	54.072	ug/L 99
12) 1,1-Dichloroethene	2.28	96	59089	51.138	ug/L 99
13) Acetone	2.32	43	92450	89.321	ug/L 100
14) Carbon disulfide	2.48	76	189465	50.486	ug/L 100
15) Methyl Acetate	2.61	43	79517	53.852	ug/L 98
16) Methylene chloride	2.70	84	71417	52.372	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	63853	52.153	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	202185	53.592	ug/L 99
19) 1,1-Dichloroethane	3.45	63	125635	52.911	ug/L 97
20) cis-1,2-Dichloroethene	4.23	96	72637	52.672	ug/L 99
22) 2-Butanone	4.26	43	120576	101.746	ug/L 100

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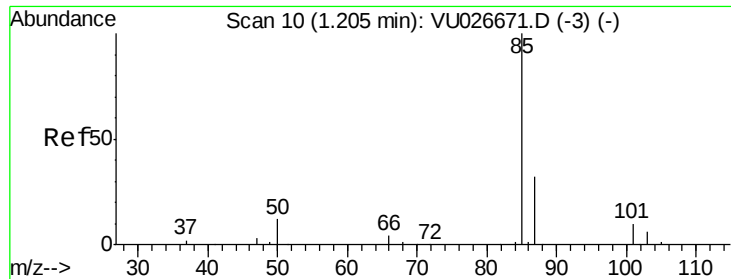
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38068	53.971	ug/L	98
25) Chloroform	4.67	83	128831	53.980	ug/L	99
27) 1,2-Dichloroethane	5.40	62	99874	52.701	ug/L	99
29) Cyclohexane	5.00	56	112043	54.730	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	105880	53.477	ug/L	100
31) Carbon tetrachloride	5.14	117	95350	53.279	ug/L	99
33) Benzene	5.39	78	279837	53.468	ug/L	100
34) Trichloroethene	6.19	95	68689	52.803	ug/L	99
35) Methylcyclohexane	6.42	83	117297	56.331	ug/L	100
37) 1,2-Dichloropropane	6.43	63	79762	54.553	ug/L	100
38) Bromodichloromethane	6.76	83	95894	53.519	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	116446	53.822	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	208666	111.882	ug/L	99
42) Toluene	7.64	91	293137	54.038	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	107537	53.427	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	70434	54.309	ug/L	98
46) Tetrachloroethene	8.23	164	57867	52.930	ug/L	98
48) 2-Hexanone	8.36	43	167574	106.422	ug/L	98
49) Dibromochloromethane	8.48	129	79452	53.001	ug/L	97
50) 1,2-Dibromoethane	8.59	107	75086	54.121	ug/L	99
51) Chlorobenzene	9.12	112	189938	53.326	ug/L	99
52) Ethylbenzene	9.25	91	321791	54.851	ug/L	98
53) m,p-Xylene	9.38	106	122432	55.347	ug/L	99
54) o-xylene	9.78	106	121852	55.503	ug/L	98
55) Styrene	9.79	104	207791	55.953	ug/L	100
56) Isopropylbenzene	10.17	105	314528	56.240	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	120206	53.502	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	91956	53.155	ug/L	100
61) Bromoform	9.96	173	61943	53.258	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	144444	53.281	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	147268	51.279	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	152906	53.367	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	24020	51.892	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	114868	53.417	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	97878	52.368	ug/L	99
69) Naphthalene	13.74	128	314148	54.851	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	108186	53.436	ug/L	99

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

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ALS Vial  : 5    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 52.606 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

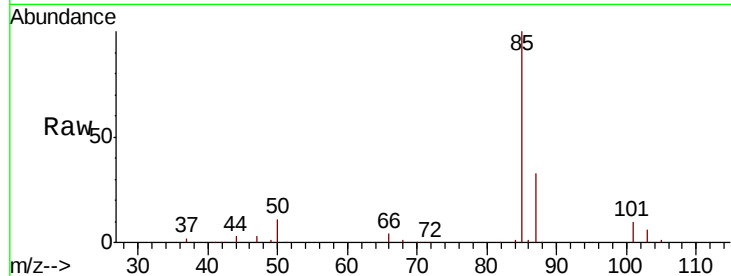
VSTD05057

Tgt Ion: 85 Resp: 64891

Ion Ratio Lower Upper

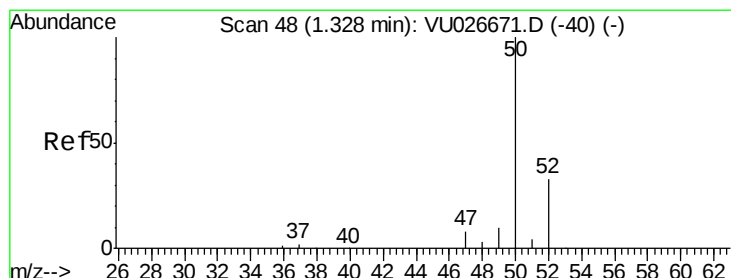
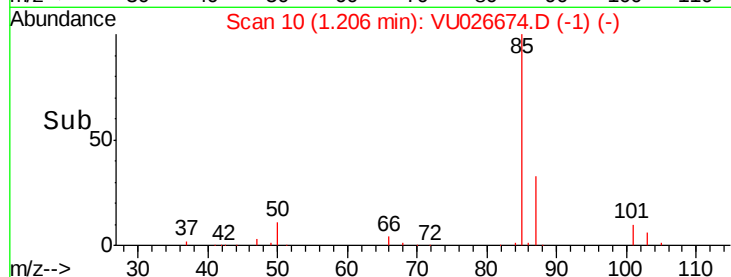
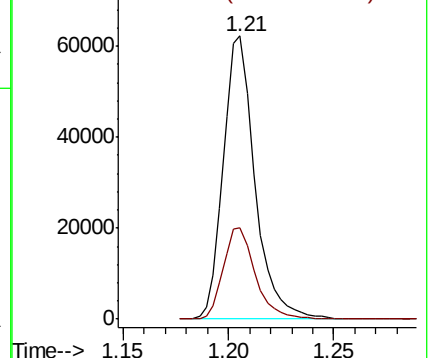
85 100

87 32.6 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: 50.790 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026674.D

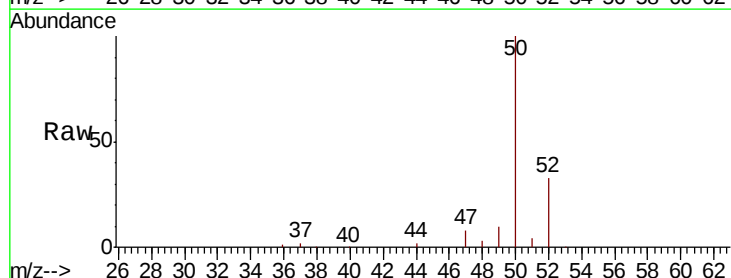
Acq: 11 Sep 2018 09:34

Tgt Ion: 50 Resp: 82356

Ion Ratio Lower Upper

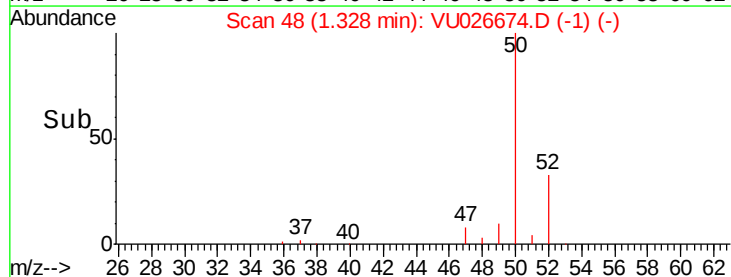
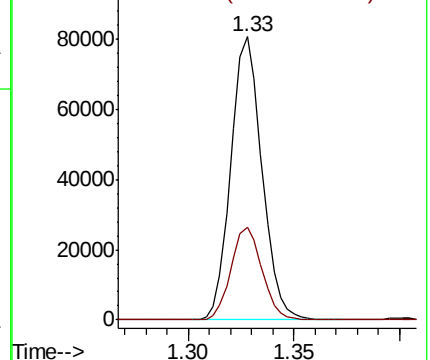
50 100

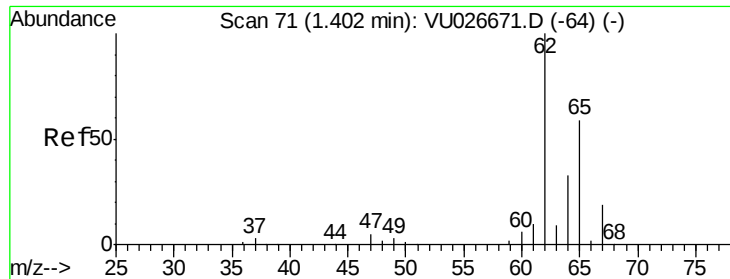
52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 52.737 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

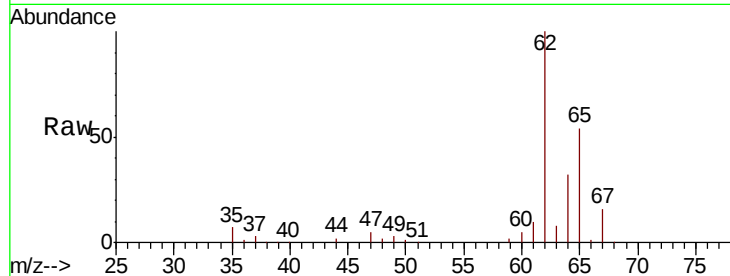
VSTD05057

Tgt Ion: 62 Resp: 88361

Ion Ratio Lower Upper

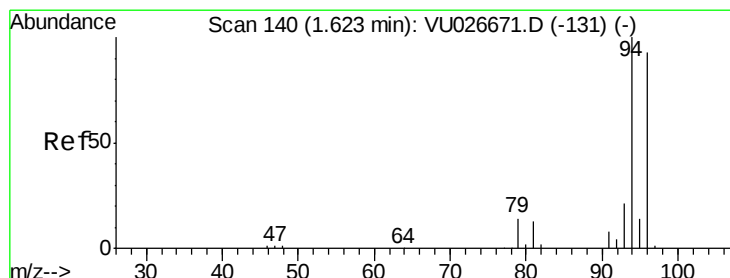
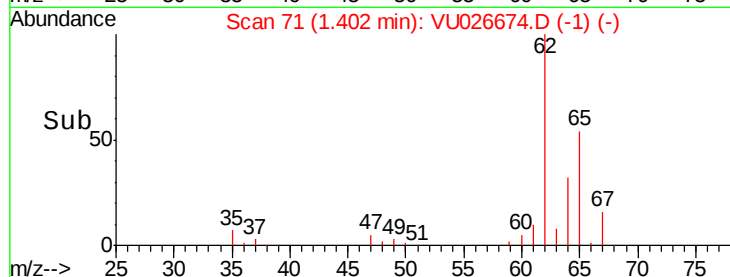
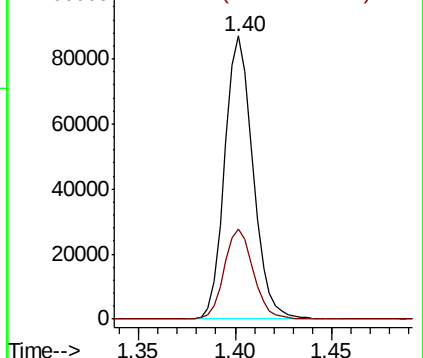
62 100

64 31.8 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: 47.646 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU026674.D

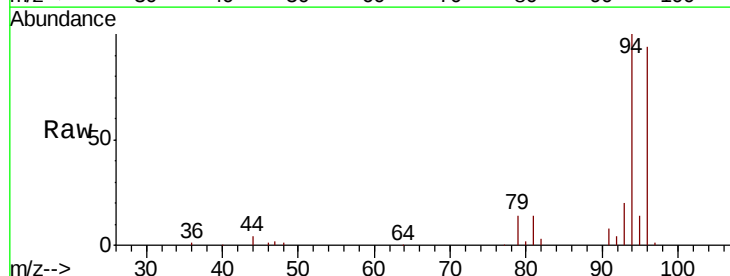
Acq: 11 Sep 2018 09:34

Tgt Ion: 94 Resp: 46522

Ion Ratio Lower Upper

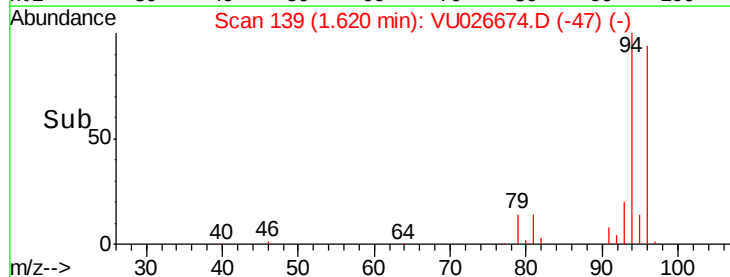
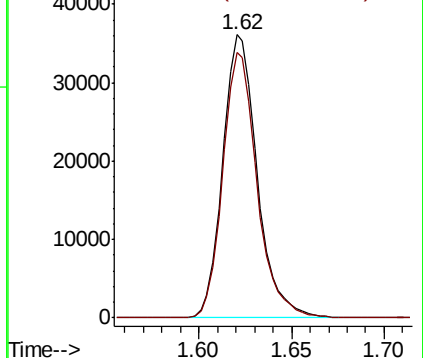
94 100

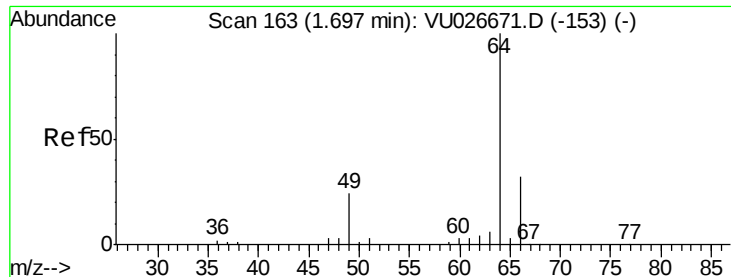
96 94.0 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 51.928 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

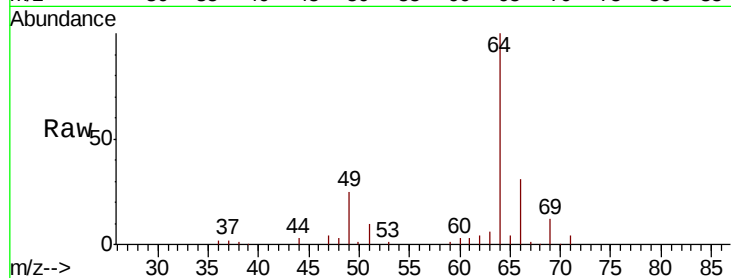
VSTD05057

Tgt Ion: 64 Resp: 53961

Ion Ratio Lower Upper

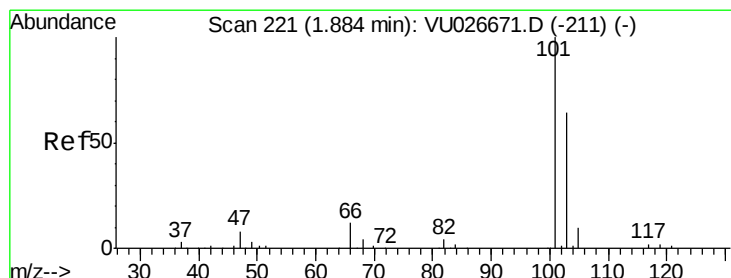
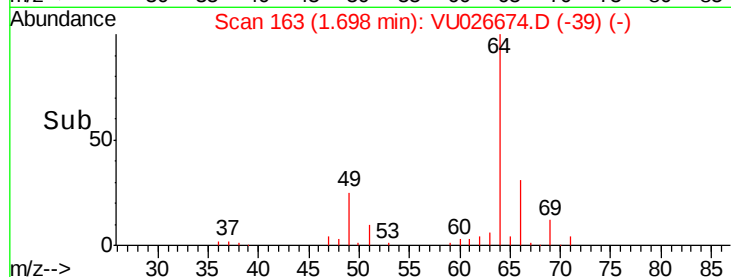
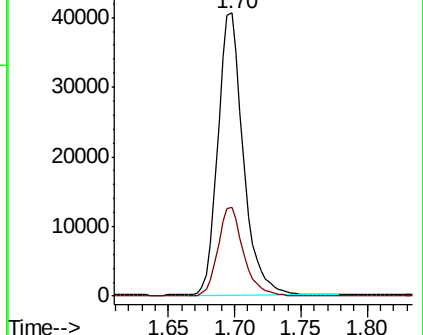
64 100

66 31.4 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU026671.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VU026671.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 53.253 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026674.D

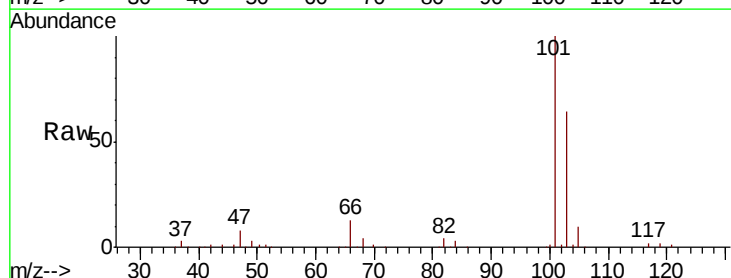
Acq: 11 Sep 2018 09:34

Tgt Ion: 101 Resp: 112512

Ion Ratio Lower Upper

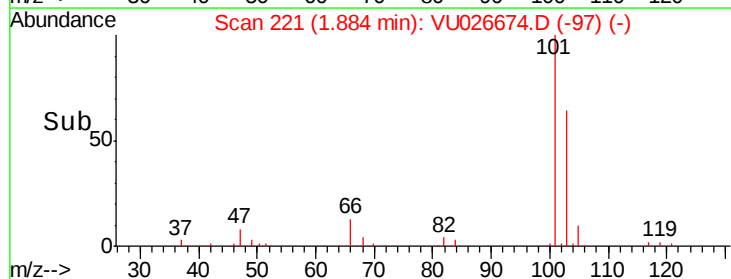
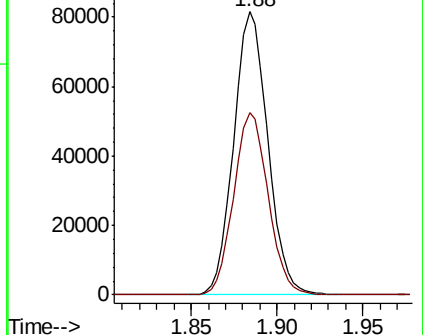
101 100

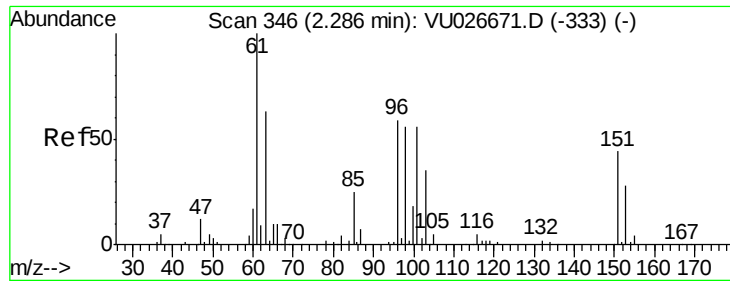
103 64.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU026671.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026671.D (-211) (-)





#10

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

Concen: 54.072 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

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ClientSampleId :

VSTD05057

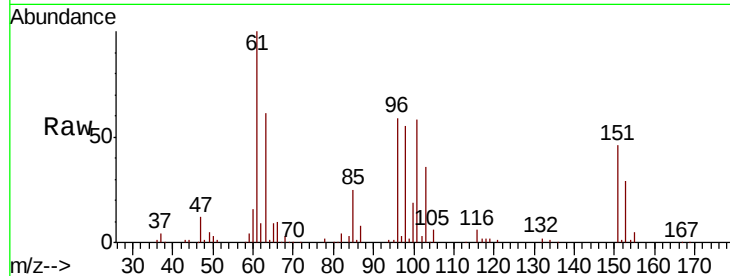
Tgt Ion: 101 Resp: 65059

Ion Ratio Lower Upper

101 100

85 43.1 34.1 51.1

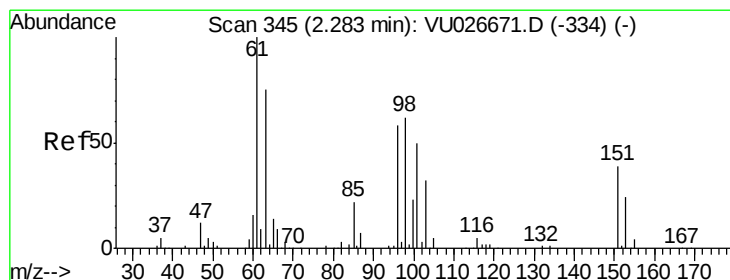
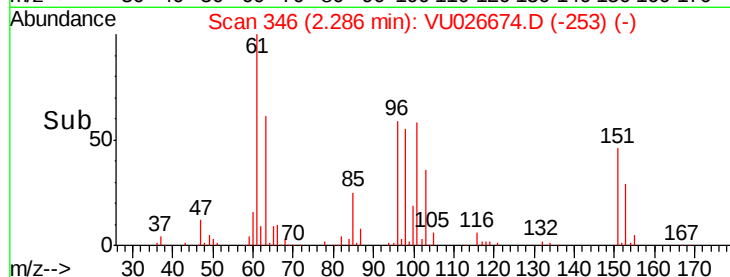
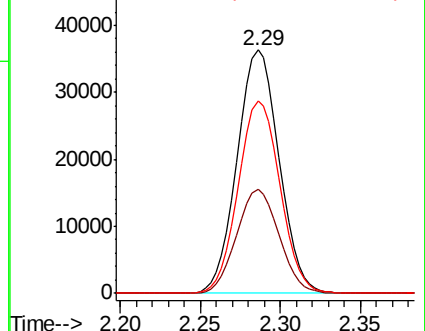
151 79.0 62.6 94.0



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: 51.138 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

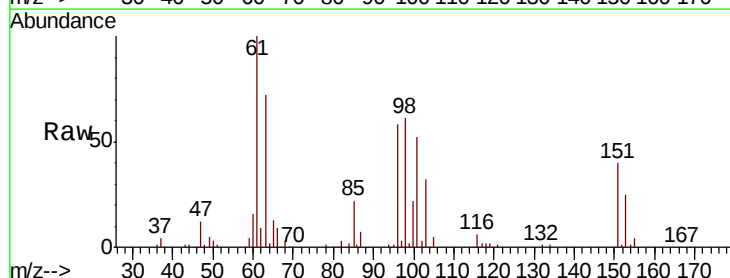
Tgt Ion: 96 Resp: 59089

Ion Ratio Lower Upper

96 100

61 173.7 121.0 224.8

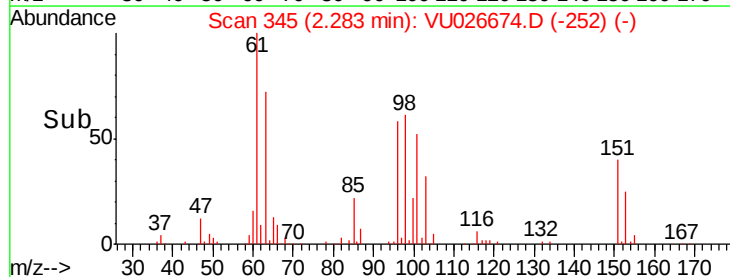
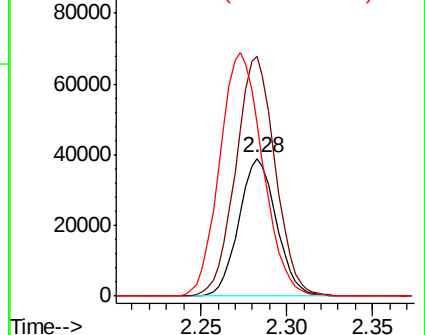
63 125.8 89.9 166.9

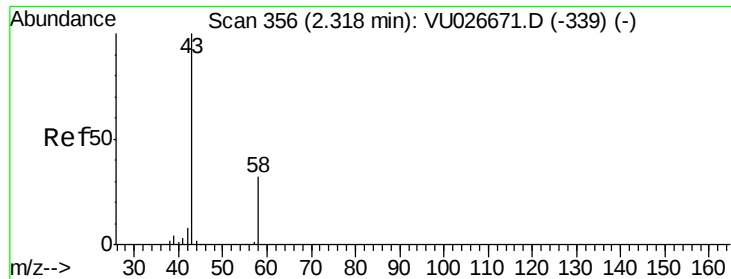


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.321 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

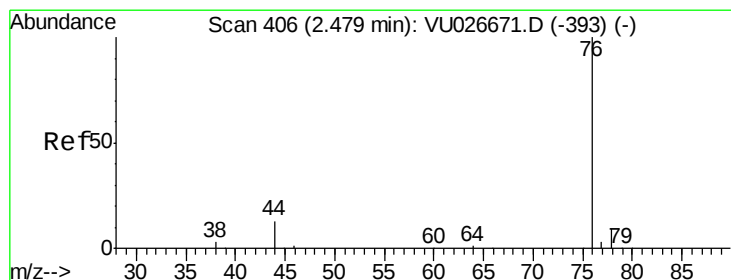
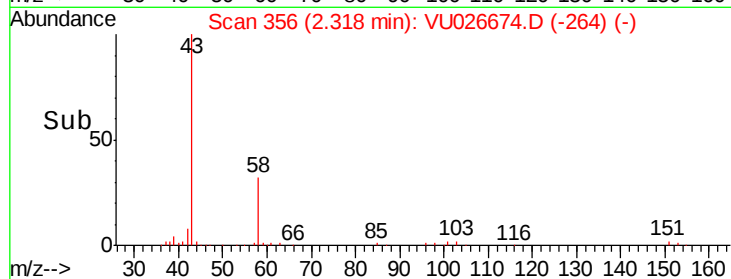
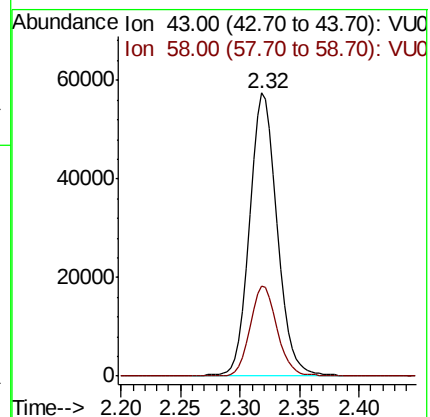
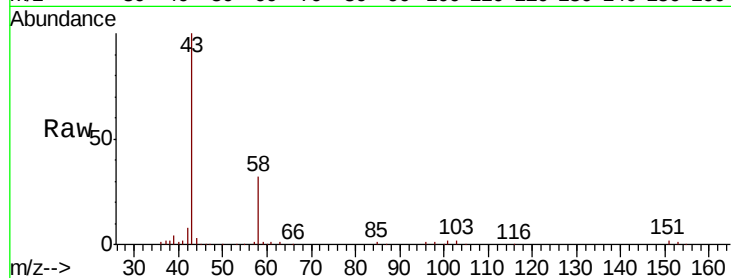
VSTD05057

Tgt Ion: 43 Resp: 92450

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.8



#14

Carbon disulfide

Concen: 50.486 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026674.D

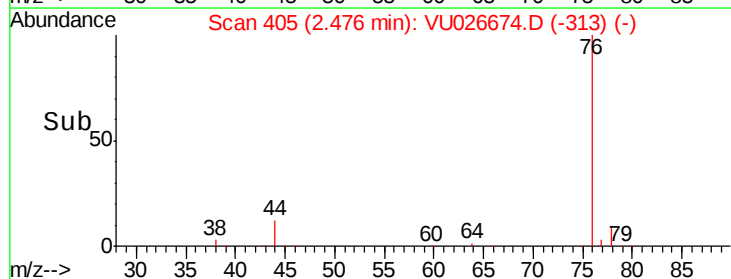
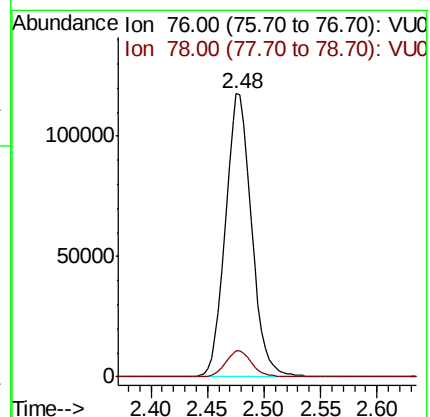
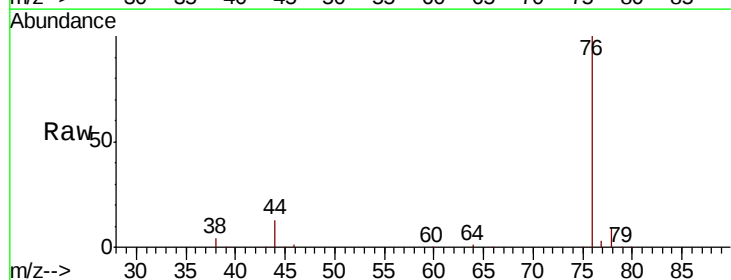
Acq: 11 Sep 2018 09:34

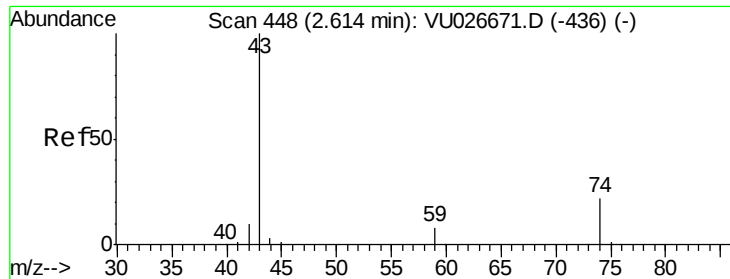
Tgt Ion: 76 Resp: 189465

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

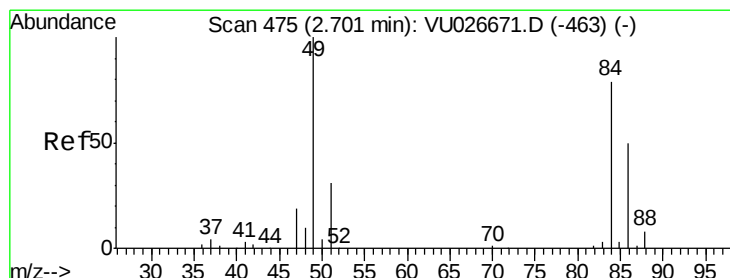
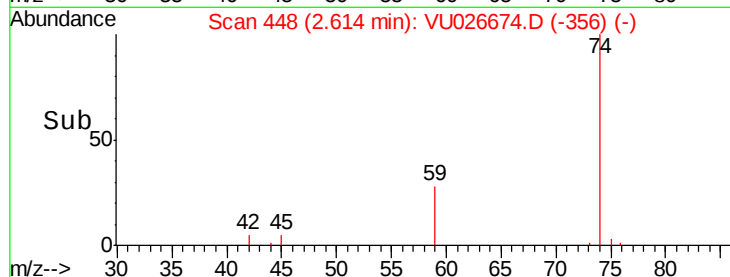
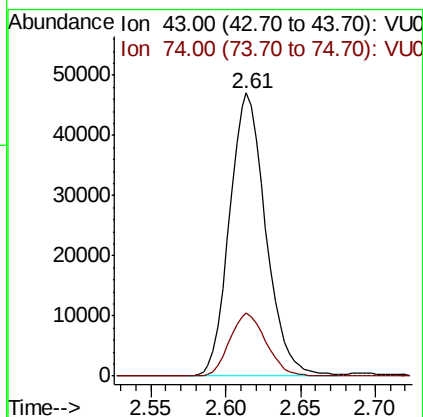
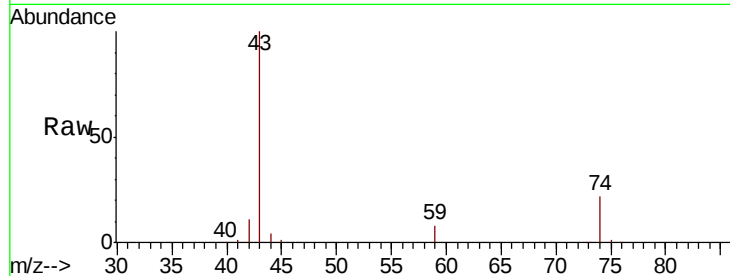




#15
Methyl Acetate
Concen: 53.852 ug/L
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

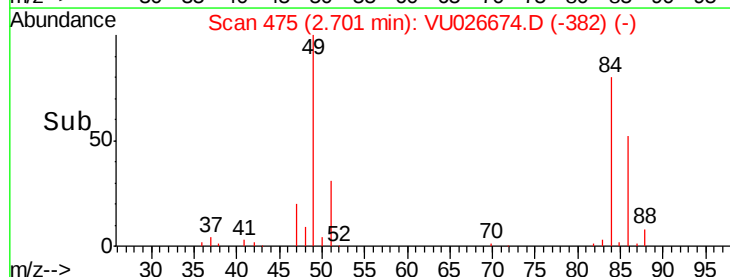
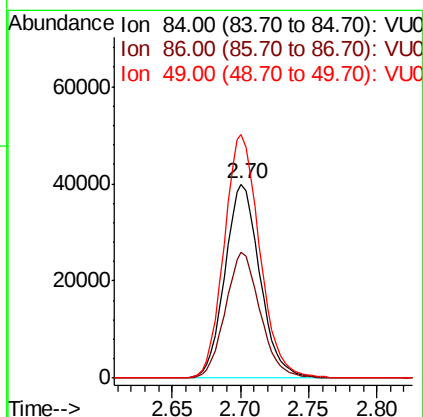
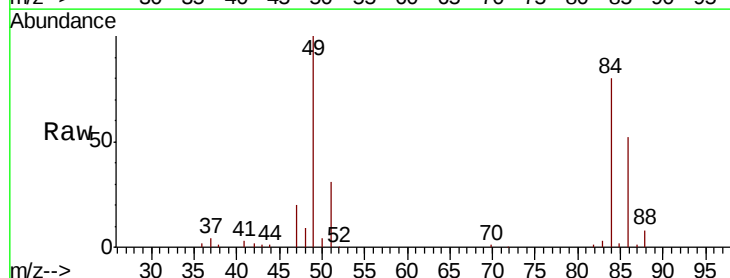
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

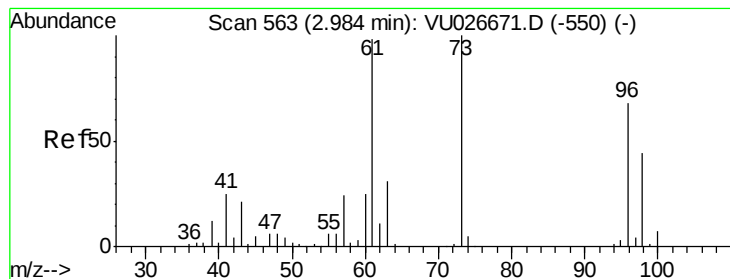
Tgt Ion: 43 Resp: 79517
Ion Ratio Lower Upper
43 100
74 22.2 18.5 27.7



#16
Methylene chloride
Concen: 52.372 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

Tgt Ion: 84 Resp: 71417
Ion Ratio Lower Upper
84 100
86 64.8 44.1 81.9
49 125.3 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 52.153 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

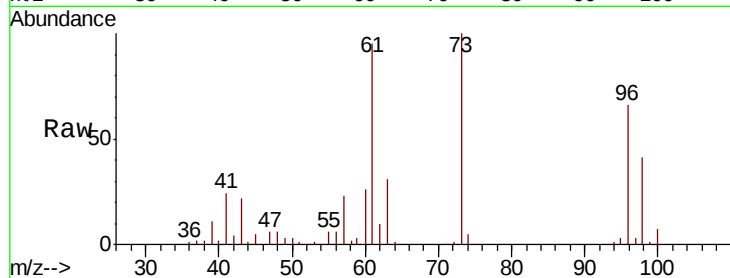
Tgt Ion: 96 Resp: 63853

Ion Ratio Lower Upper

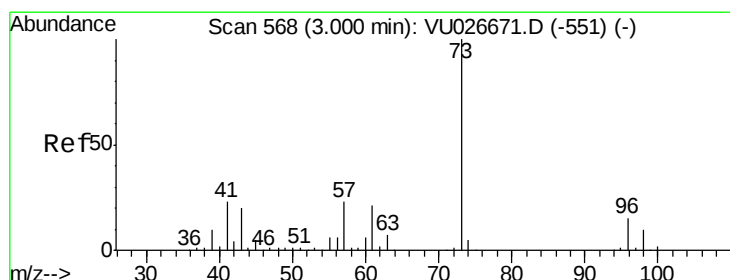
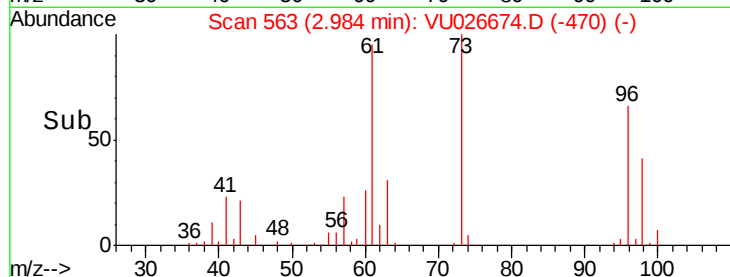
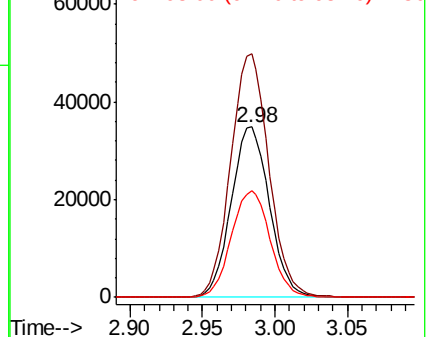
96 100

61 142.8 99.7 185.1

98 62.2 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: 53.592 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

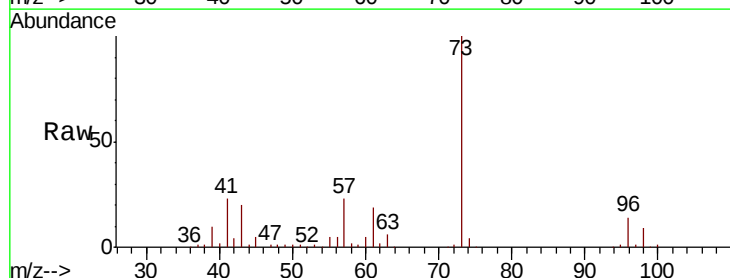
Tgt Ion: 73 Resp: 202185

Ion Ratio Lower Upper

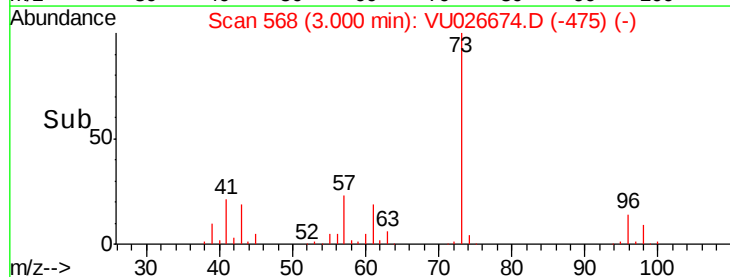
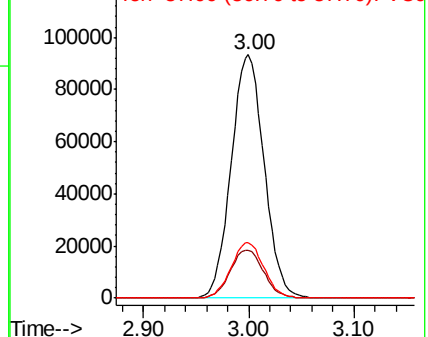
73 100

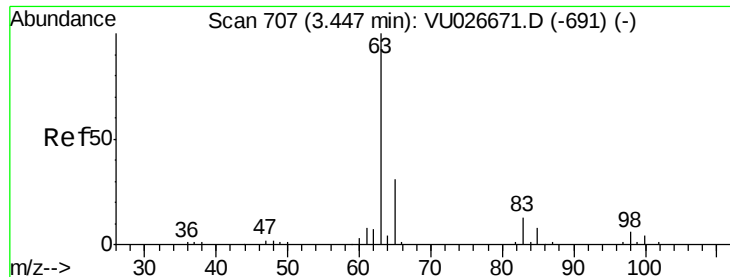
43 20.2 16.0 24.0

57 22.7 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

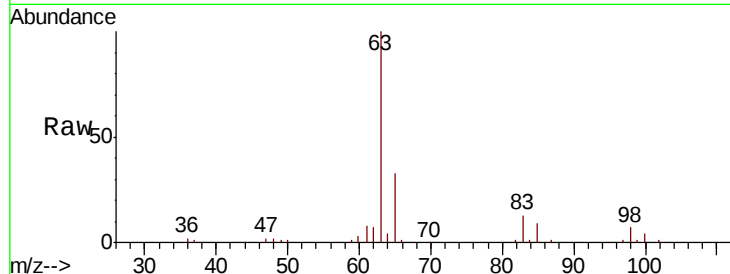




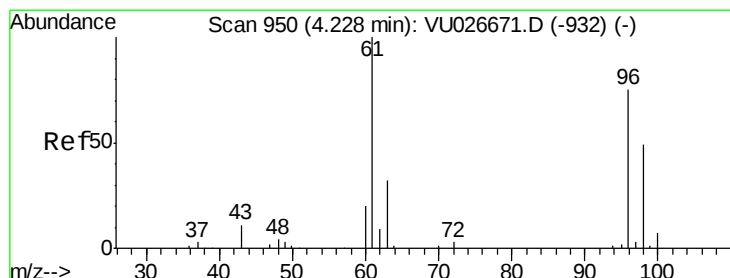
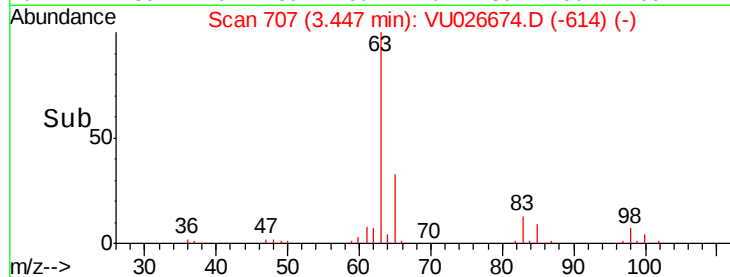
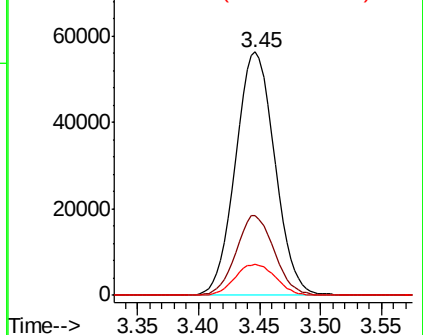
#19
 1,1-Dichloroethane
 Concen: 52.911 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion: 63 Resp: 125635
 Ion Ratio Lower Upper
 63 100
 65 33.0 21.9 40.7
 83 12.6 9.2 17.2

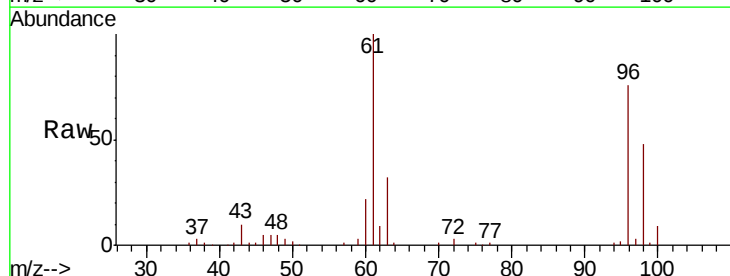


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

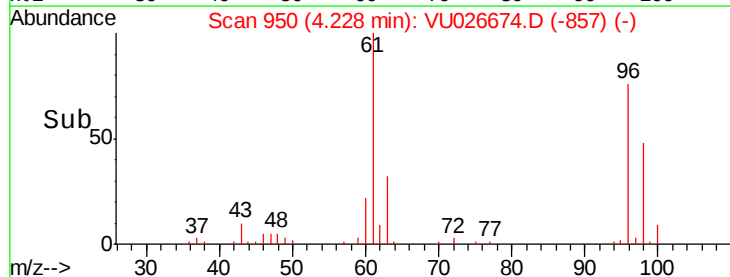
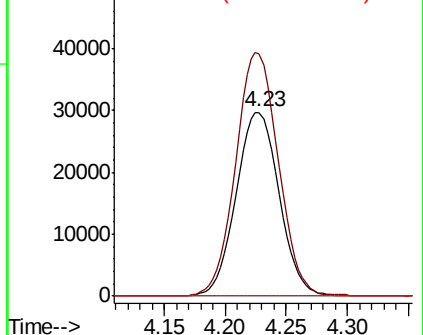


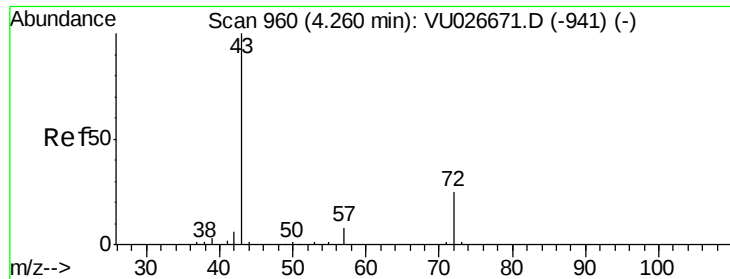
#20
 cis-1,2-Dichloroethene
 Concen: 52.672 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Tgt Ion: 96 Resp: 72637
 Ion Ratio Lower Upper
 96 100
 61 131.8 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: 101.746 ug/L

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

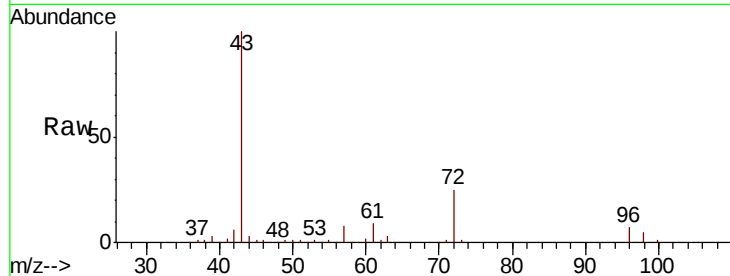
VSTD05057

Tgt Ion: 43 Resp: 120576

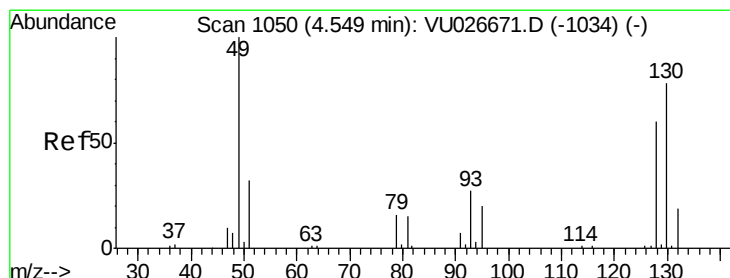
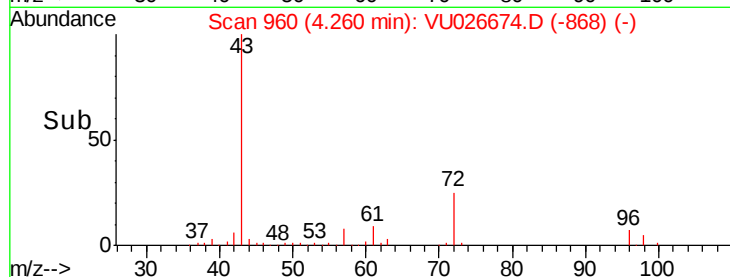
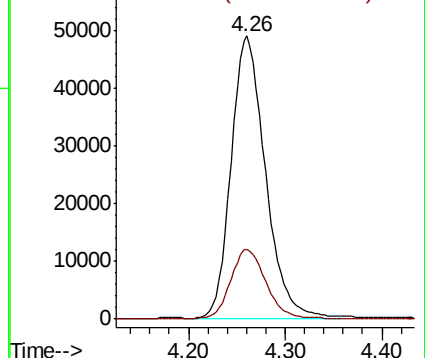
Ion Ratio Lower Upper

43 100

72 25.7 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU026674.D (-868) (-)



#23

Bromochloromethane

Concen: 53.971 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Tgt Ion: 128 Resp: 38068

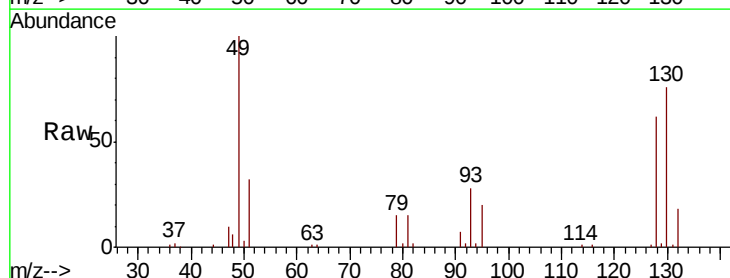
Ion Ratio Lower Upper

128 100

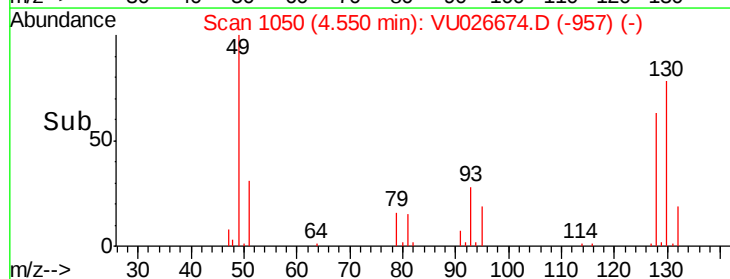
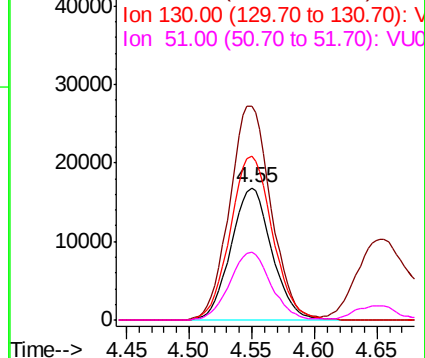
49 161.5 111.7 207.5

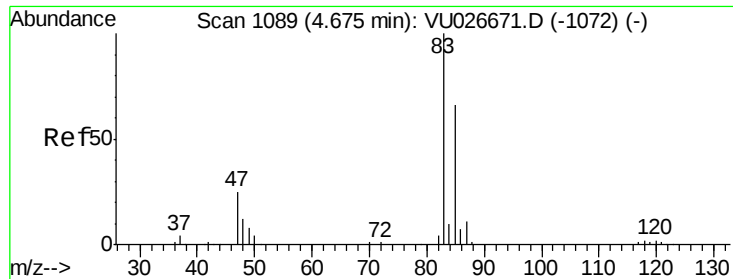
130 123.5 89.0 165.2

51 51.0 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU026674.D (-957) (-)

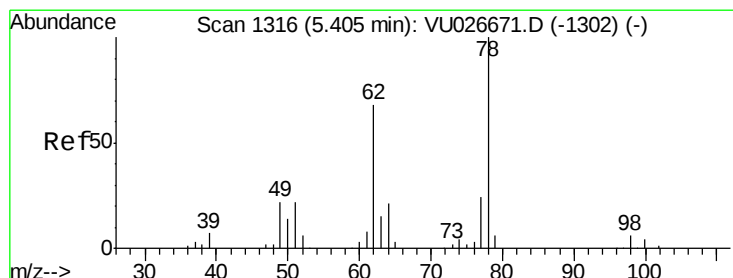
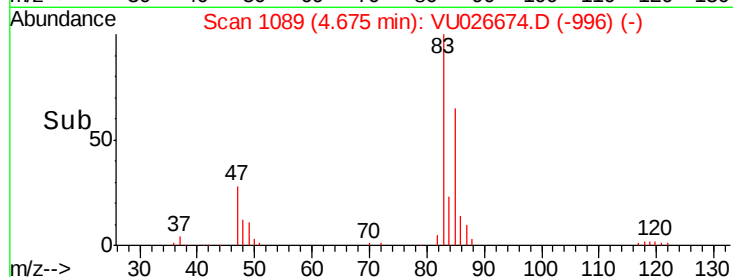
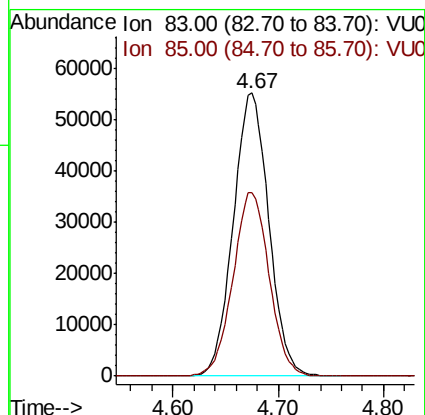
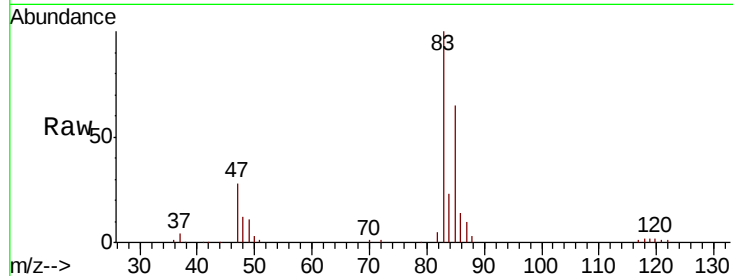




#25
Chloroform
Concen: 53.980 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

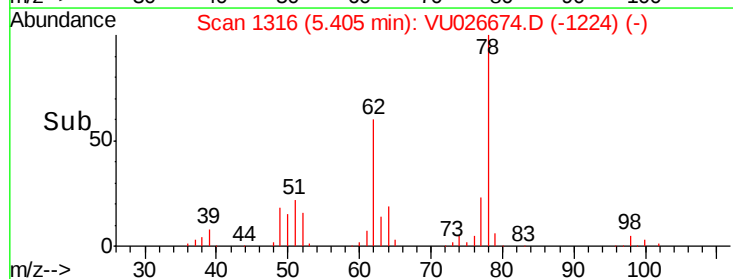
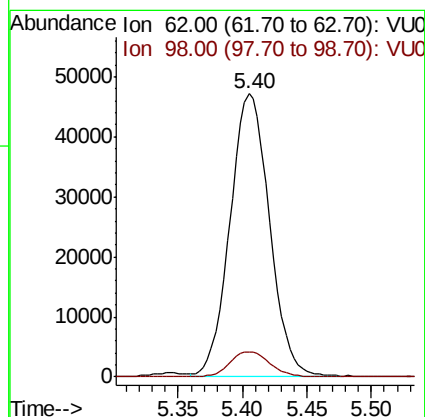
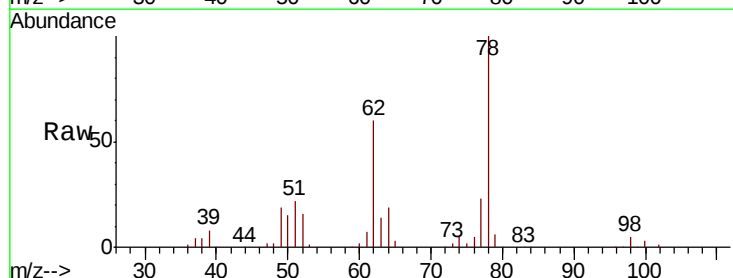
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

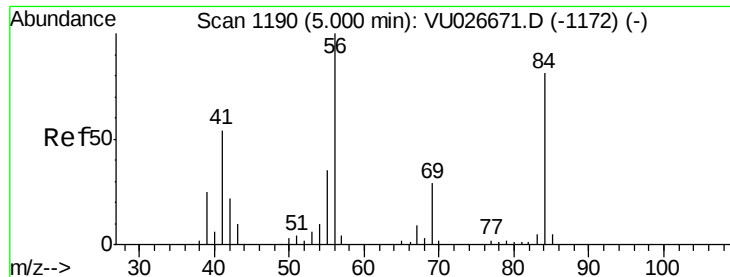
Tgt Ion: 83 Resp: 128831
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 52.701 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

Tgt Ion: 62 Resp: 99874
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0

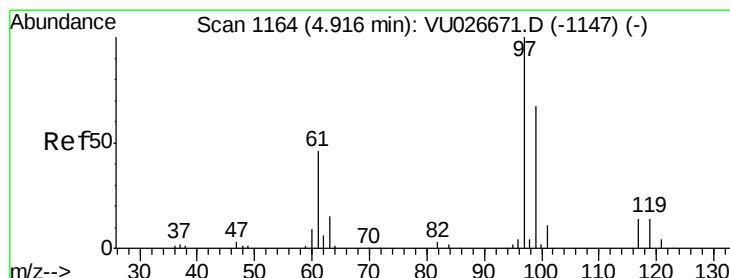
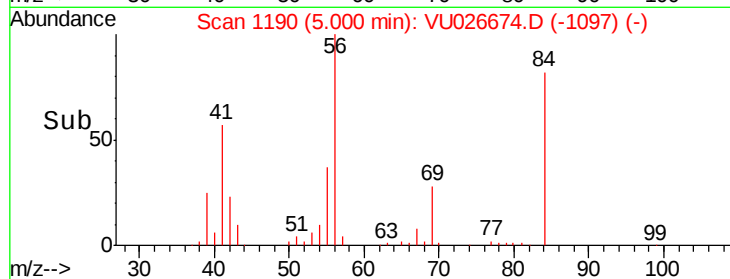
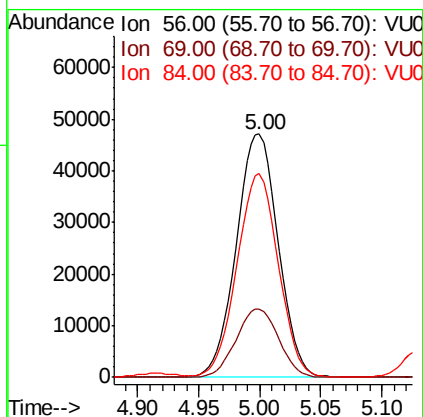
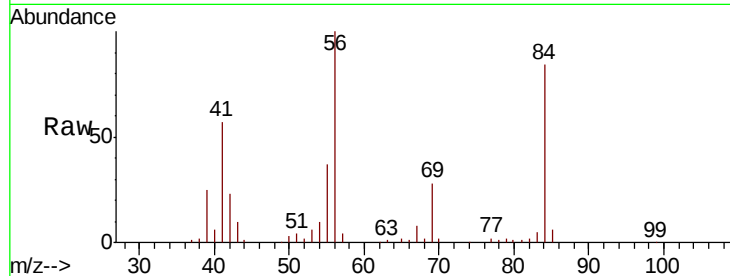




#29
Cyclohexane
Concen: 54.730 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

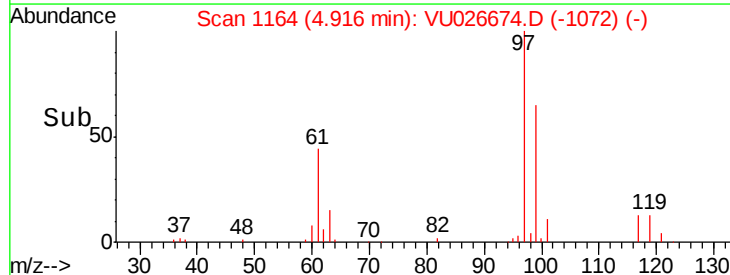
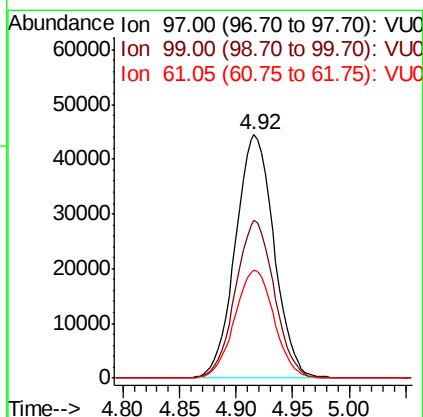
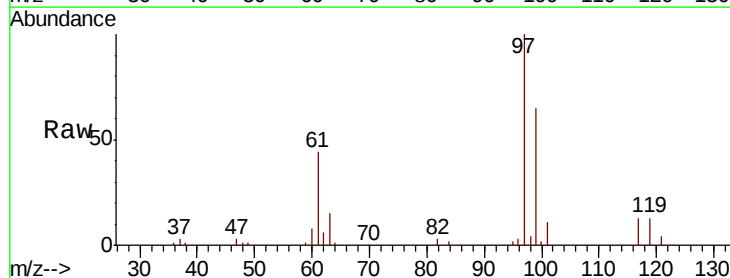
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

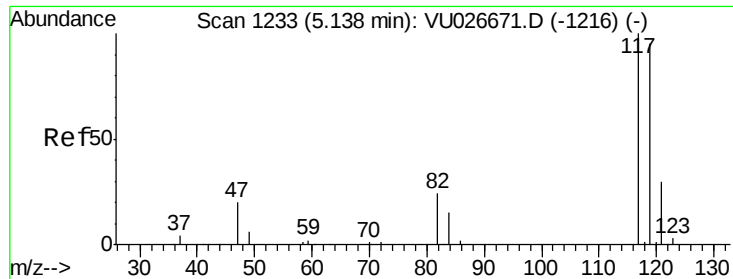
Tgt Ion: 56 Resp: 112043
Ion Ratio Lower Upper
56 100
69 28.7 23.0 34.6
84 82.9 66.5 99.7



#30
1,1,1-Trichloroethane
Concen: 53.477 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

Tgt Ion: 97 Resp: 105880
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 45.2 36.2 54.2





#31

Carbon tetrachloride

Concen: 53.279 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

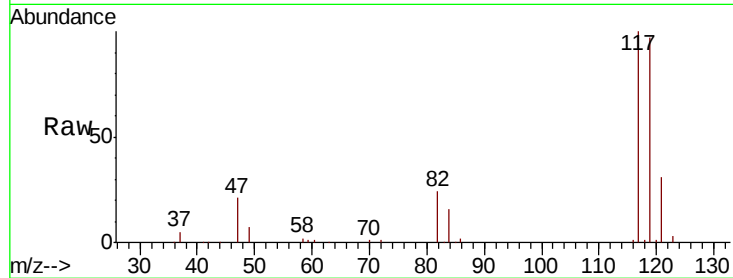
VSTD05057

Tgt Ion:117 Resp: 95350

Ion Ratio Lower Upper

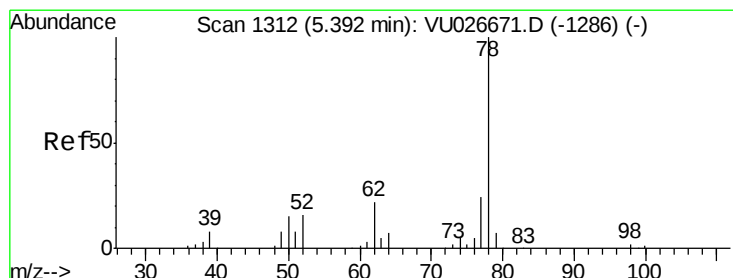
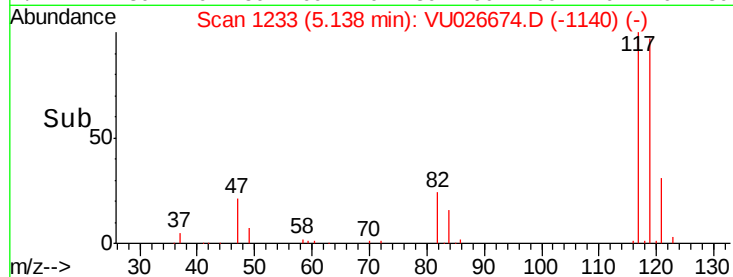
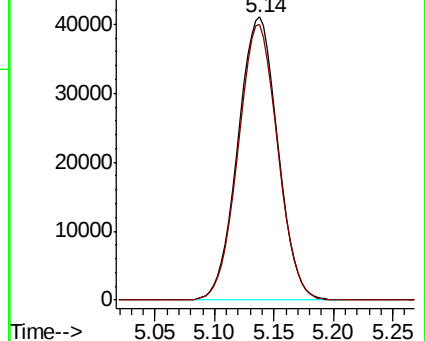
117 100

119 96.4 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: 53.468 ug/L

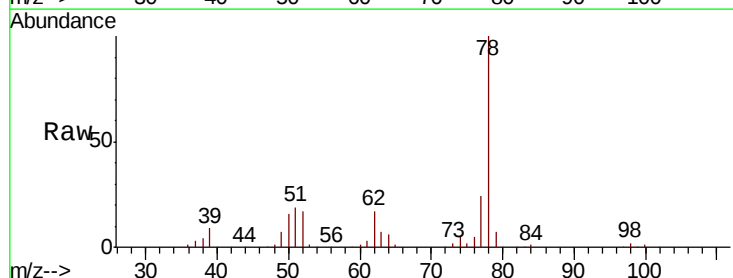
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

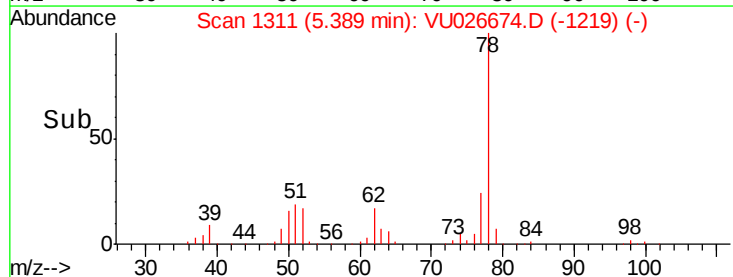
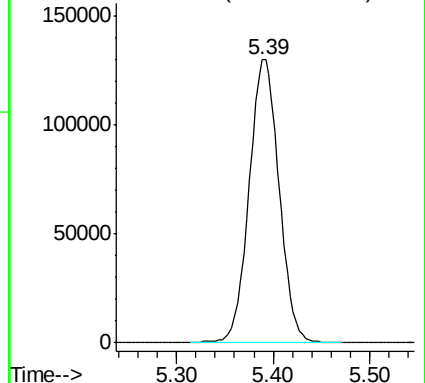
Lab File: VU026674.D

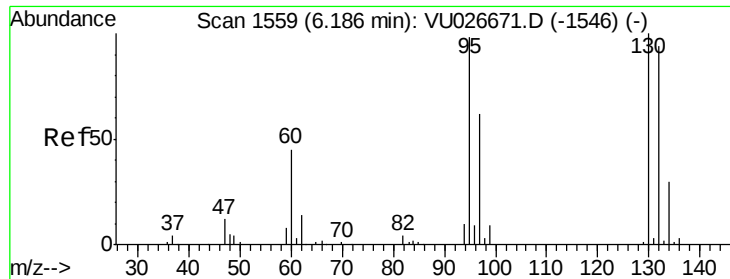
Acq: 11 Sep 2018 09:34

Tgt Ion: 78 Resp: 279837



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.803 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

Tgt Ion: 95 Resp: 68689

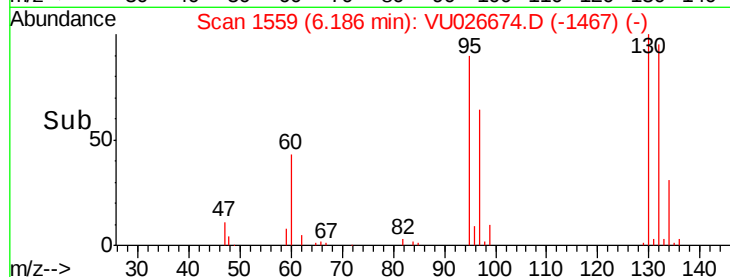
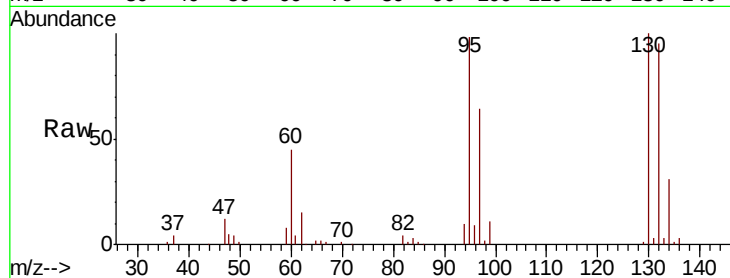
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.5

132 97.5 69.7 129.5

130 102.2 72.4 134.4

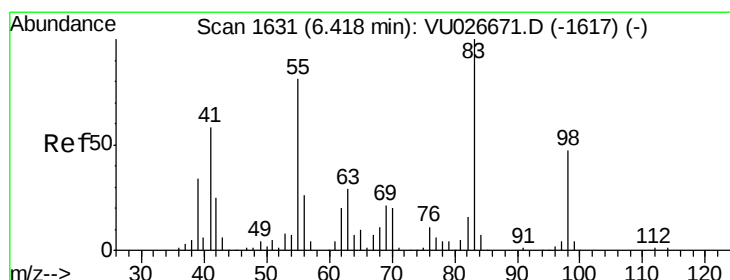
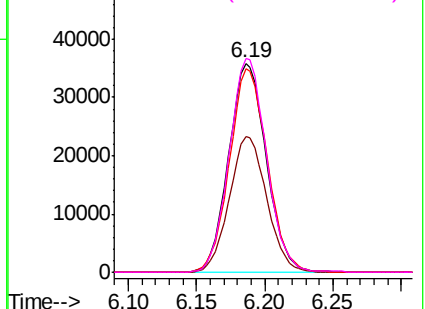


Abundance Ion 95.00 (94.70 to 95.70): VU026674.D (-1467) (-)

Ion 97.00 (96.70 to 97.70): VU026674.D (-1467) (-)

Ion 132.00 (131.70 to 132.70): VU026674.D (-1467) (-)

Ion 130.00 (129.70 to 130.70): VU026674.D (-1467) (-)



#35

Methylcyclohexane

Concen: 56.331 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

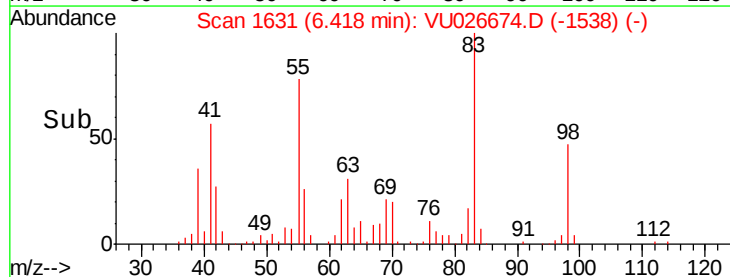
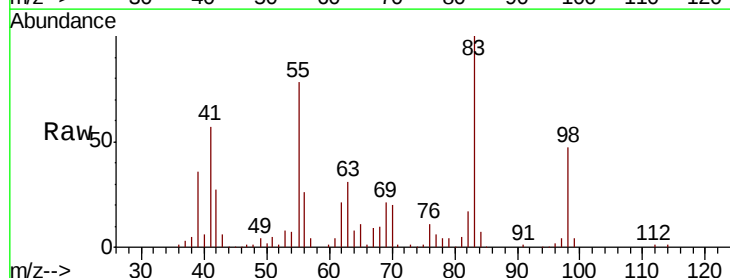
Tgt Ion: 83 Resp: 117297

Ion Ratio Lower Upper

83 100

55 78.4 62.9 94.3

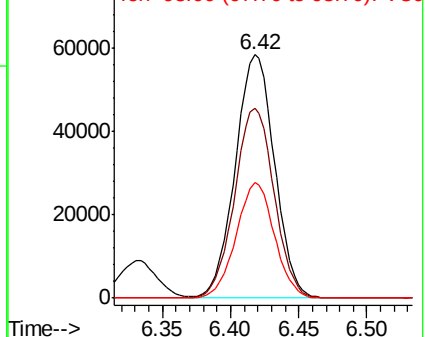
98 46.0 37.0 55.4

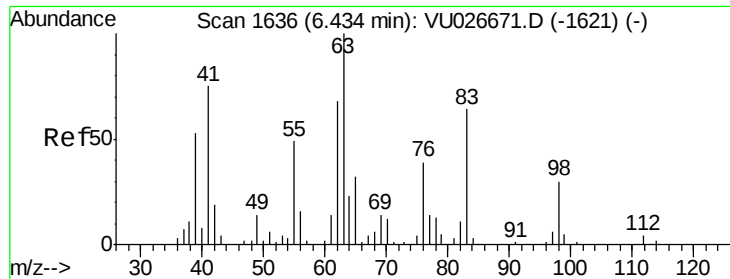


Abundance Ion 83.00 (82.70 to 83.70): VU026674.D (-1538) (-)

Ion 55.00 (54.70 to 55.70): VU026674.D (-1538) (-)

Ion 98.00 (97.70 to 98.70): VU026674.D (-1538) (-)

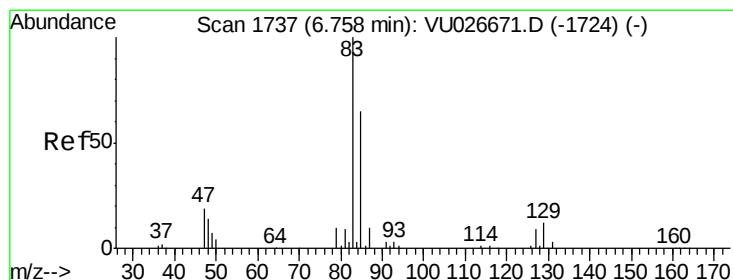
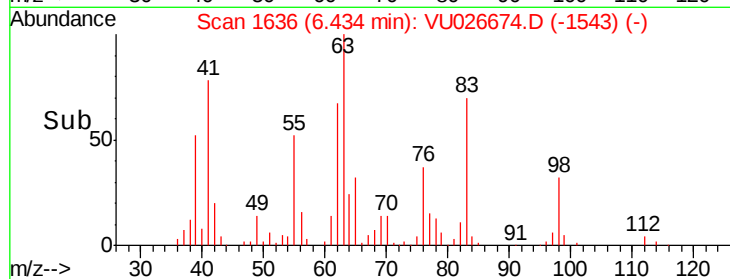
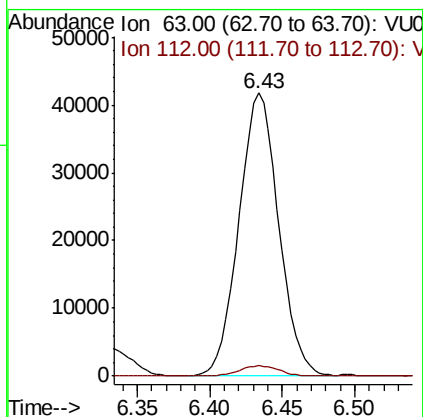
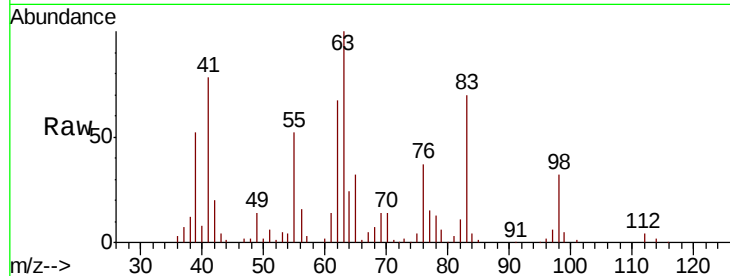




#37
 1,2-Dichloropropane
 Concen: 54.553 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

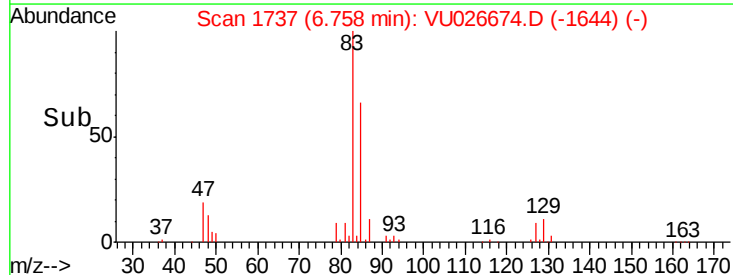
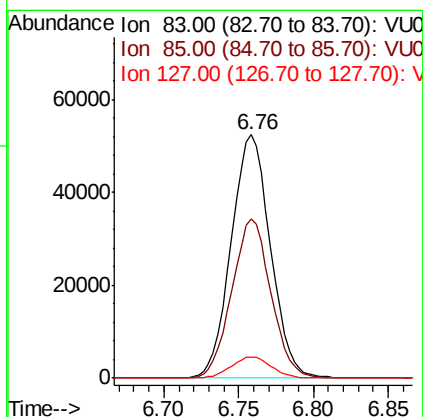
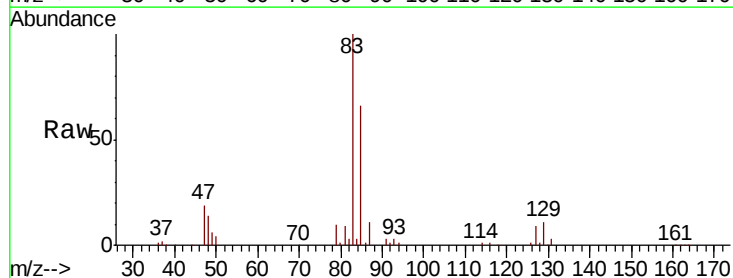
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

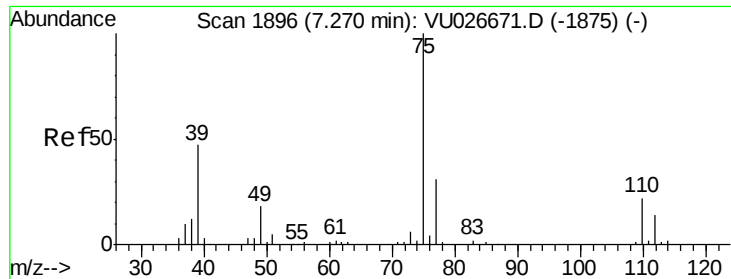
Tgt Ion: 63 Resp: 79762
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 53.519 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Tgt Ion: 83 Resp: 95894
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.1 83.9
 127 8.8 7.2 10.8

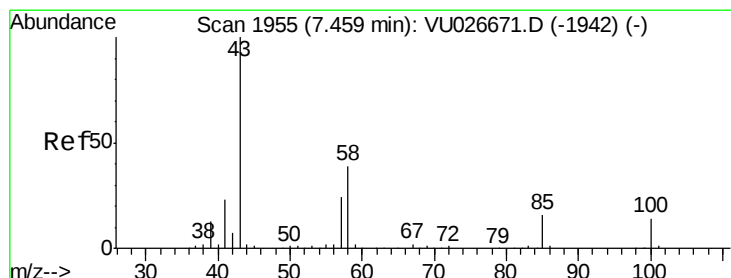
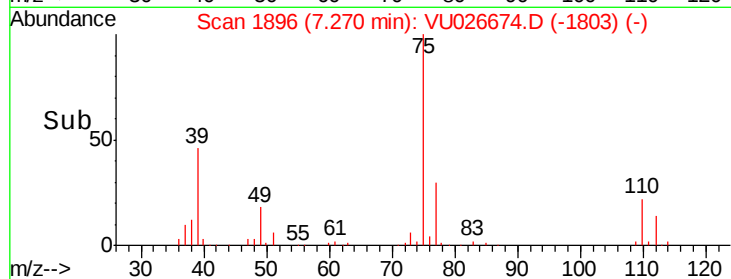
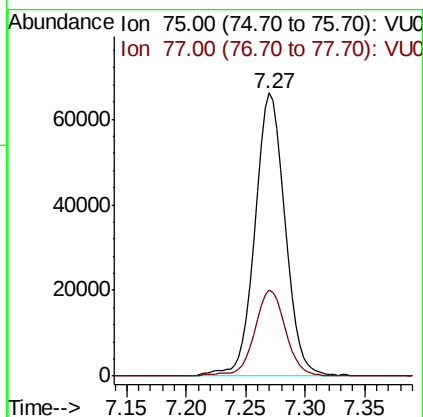
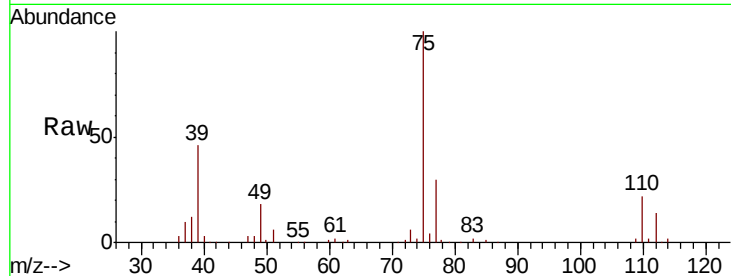




#39
 cis-1,3-Dichloropropene
 Concen: 53.822 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

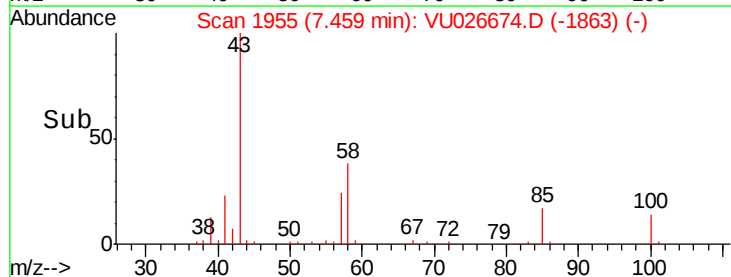
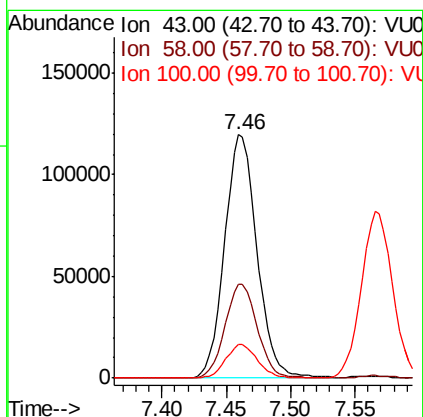
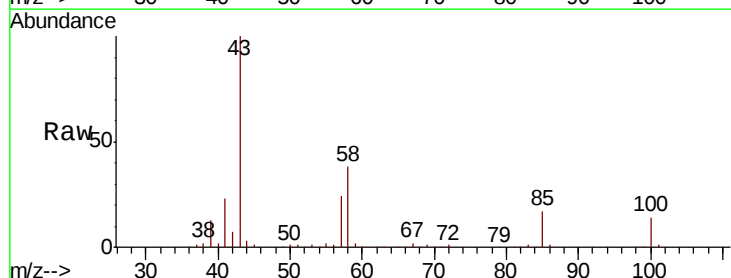
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

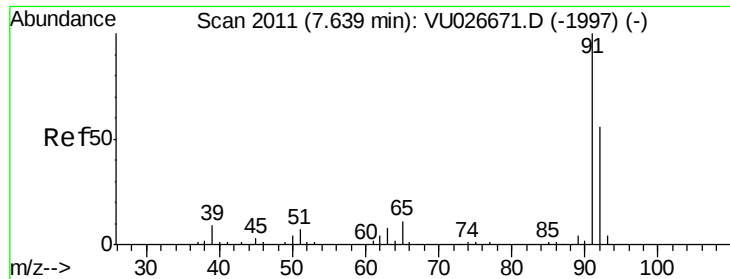
Tgt Ion: 75 Resp: 116446
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 111.882 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Tgt Ion: 43 Resp: 208666
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.1 46.7
 100 13.6 11.3 16.9





#42

Toluene

Concen: 54.038 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

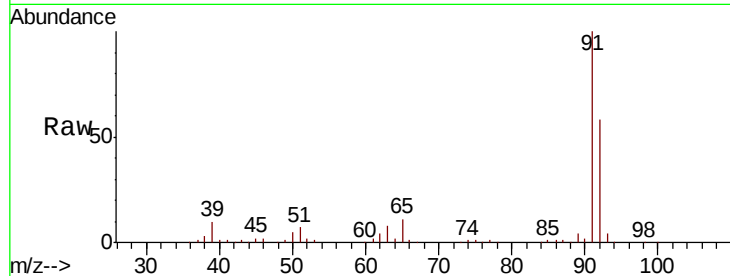
VSTD05057

Tgt Ion: 91 Resp: 293137

Ion Ratio Lower Upper

91 100

92 58.4 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

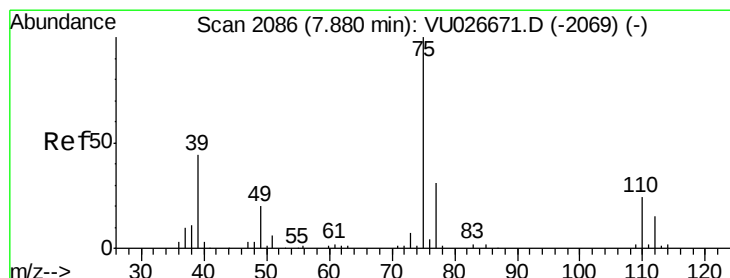
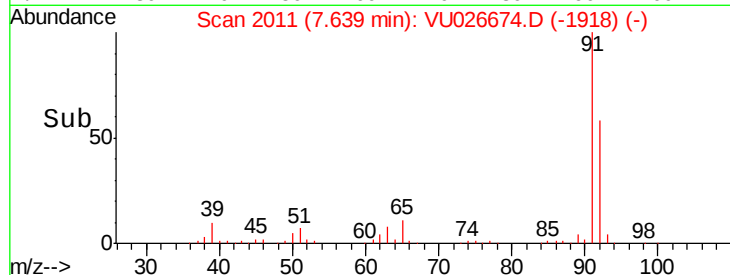
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.427 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026674.D

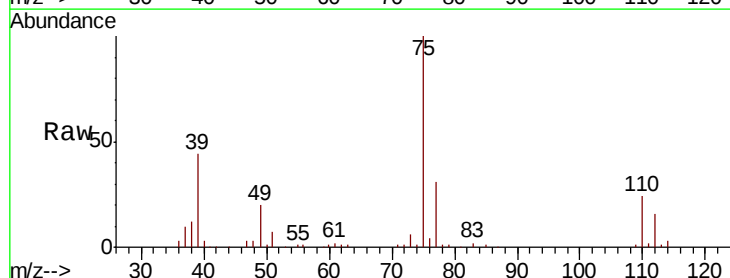
Acq: 11 Sep 2018 09:34

Tgt Ion: 75 Resp: 107537

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

60000

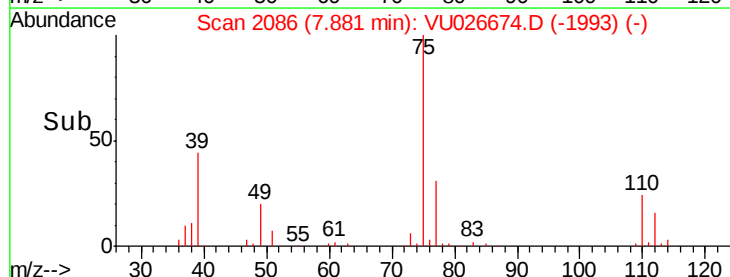
40000

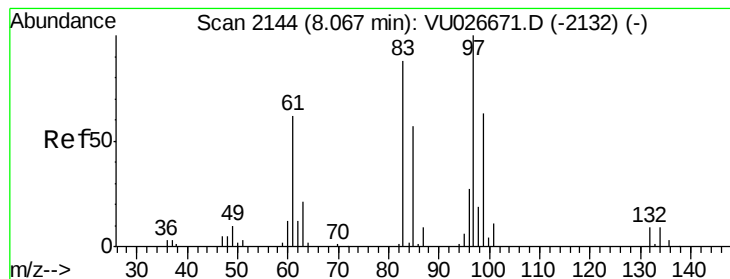
20000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 54.309 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

Tgt Ion: 97 Resp: 70434

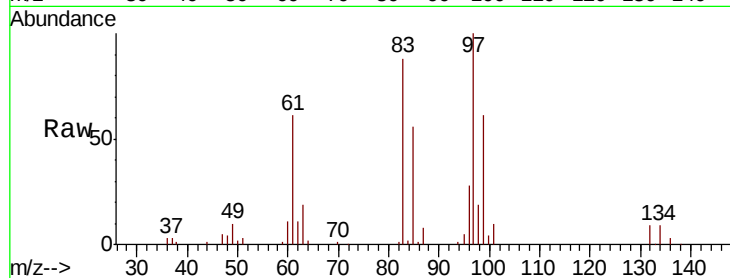
Ion Ratio Lower Upper

97 100

99 60.6 44.2 82.2

83 88.2 63.8 118.6

85 56.3 39.4 73.2

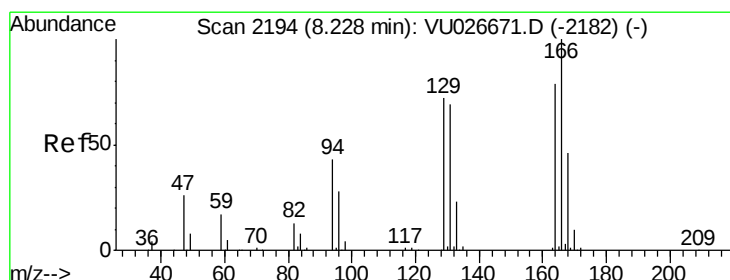
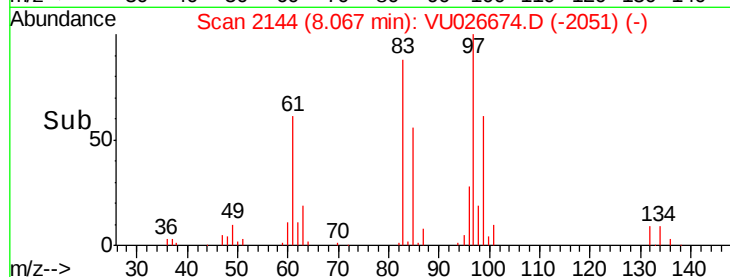
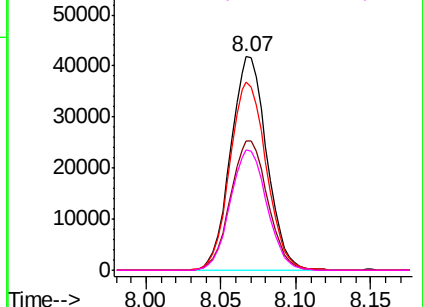


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 52.930 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Tgt Ion: 164 Resp: 57867

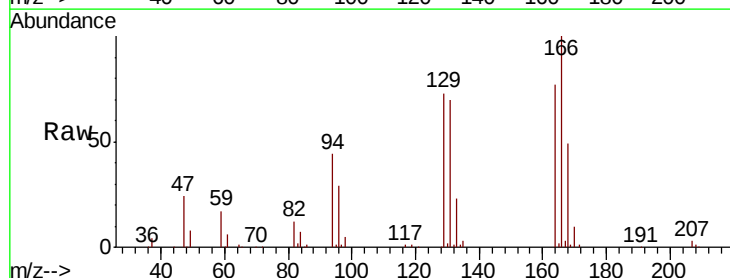
Ion Ratio Lower Upper

164 100

129 94.7 65.0 120.8

131 90.8 62.5 116.1

166 129.4 89.0 165.2

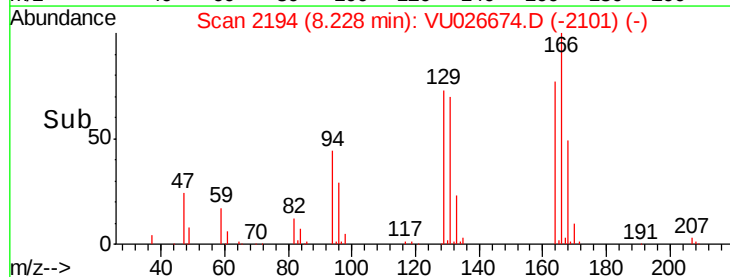
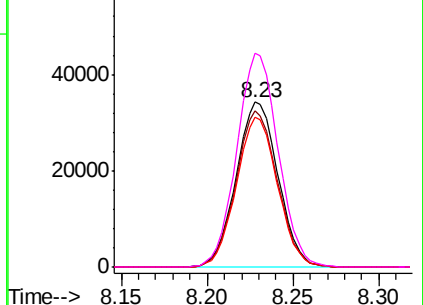


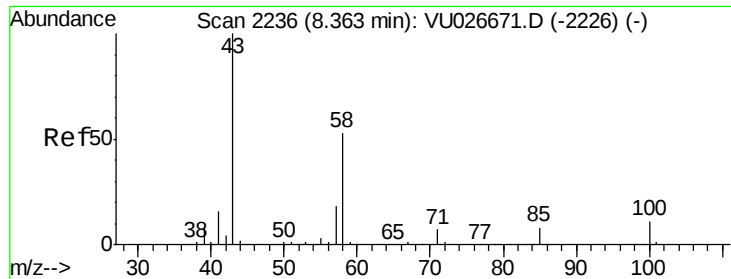
Abundance Ion 164.00 (163.70 to 164.70): V

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

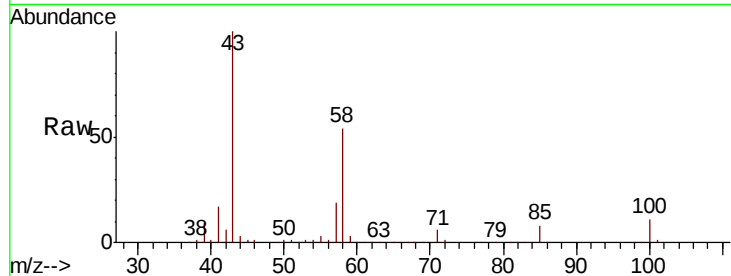




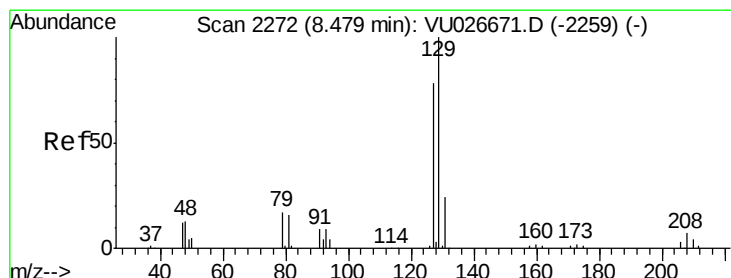
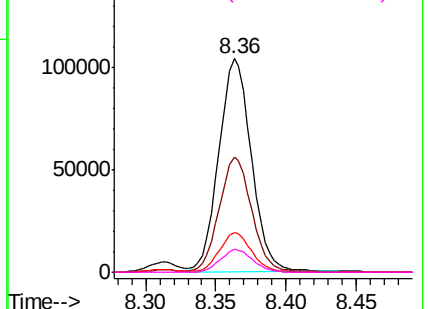
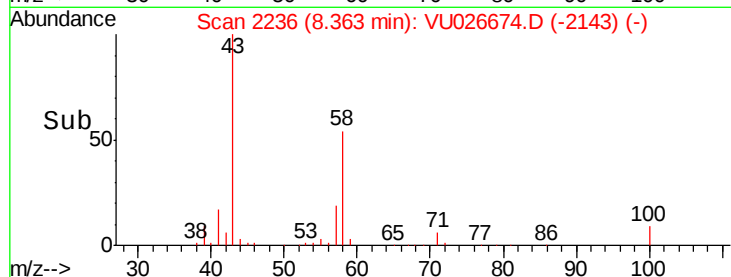
#48
2-Hexanone
Concen: 106.422 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion: 43 Resp: 167574
Ion Ratio Lower Upper
43 100
58 54.5 42.2 63.4
57 18.4 14.4 21.6
100 10.6 8.7 13.1

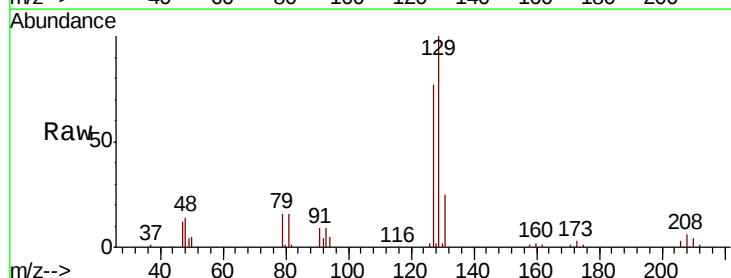


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

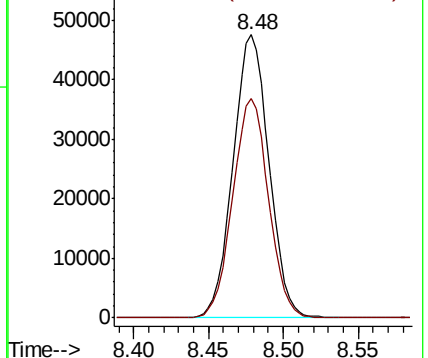
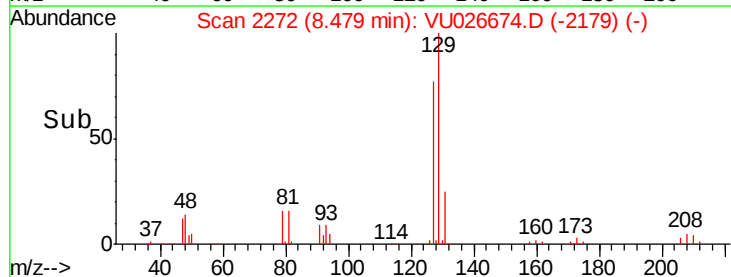


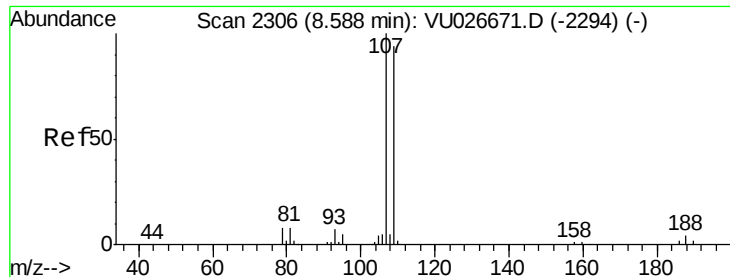
#49
Dibromochloromethane
Concen: 53.001 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

Tgt Ion: 129 Resp: 79452
Ion Ratio Lower Upper
129 100
127 77.3 55.8 103.6



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

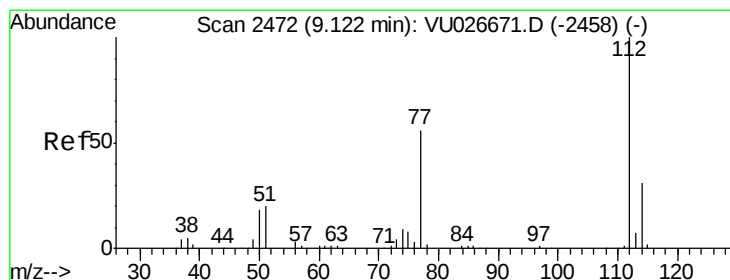
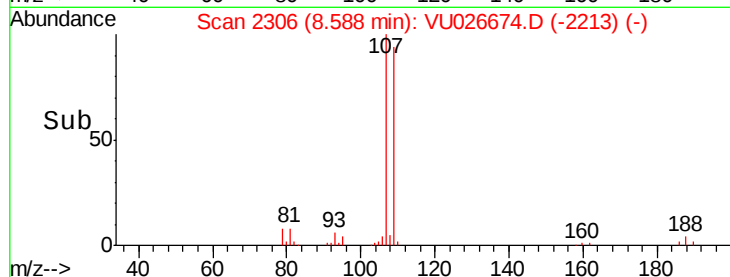
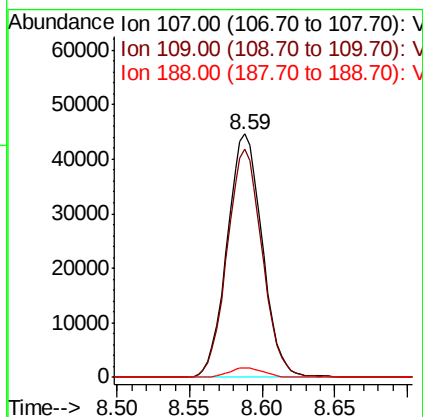
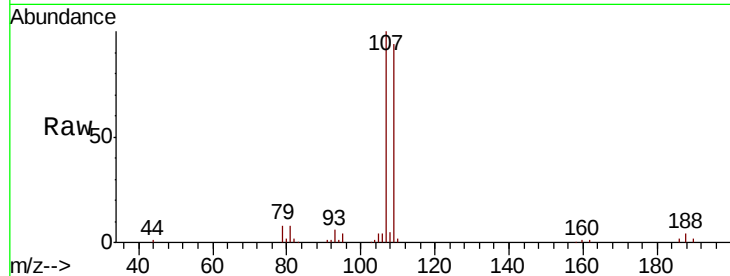




#50
 1,2-Dibromoethane
 Concen: 54.121 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

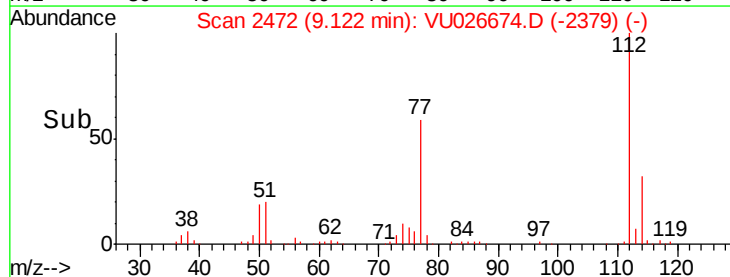
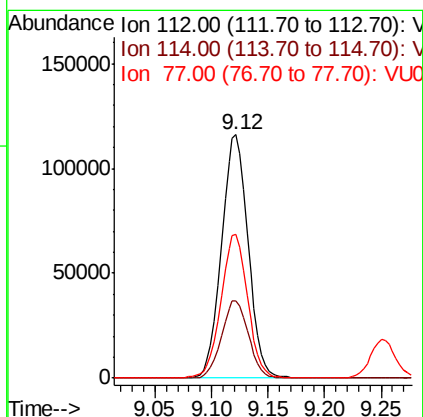
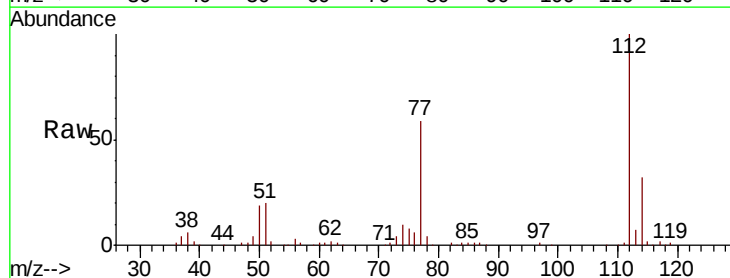
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

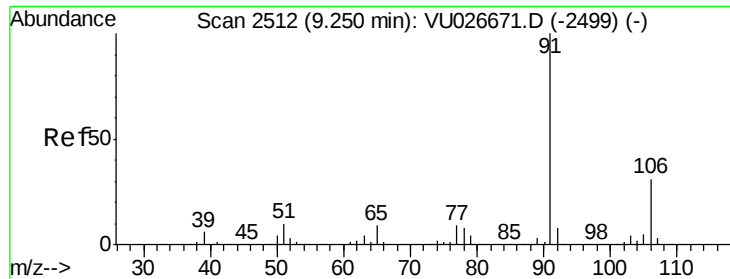
Tgt Ion:107 Resp: 75086
 Ion Ratio Lower Upper
 107 100
 109 93.5 66.4 123.4
 188 4.0 3.0 4.4



#51
 Chlorobenzene
 Concen: 53.326 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Tgt Ion:112 Resp: 189938
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.9 42.5
 77 58.8 47.2 70.8





#52

Ethylbenzene

Concen: 54.851 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

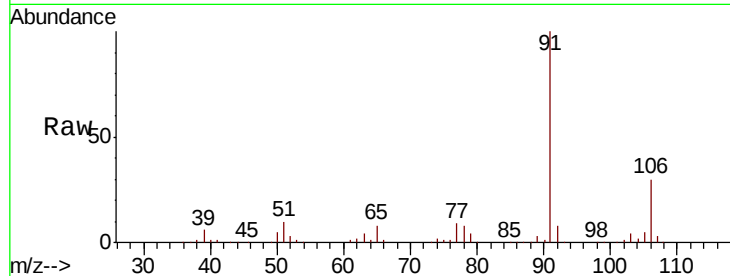
VSTD05057

Tgt Ion: 91 Resp: 321791

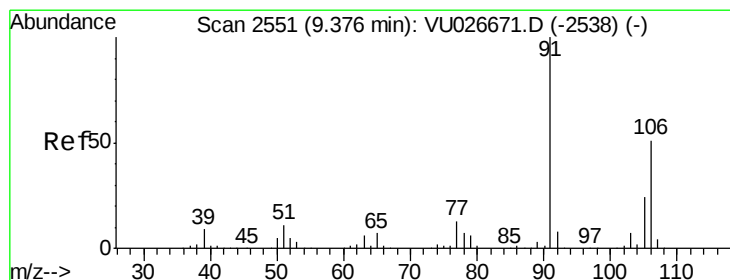
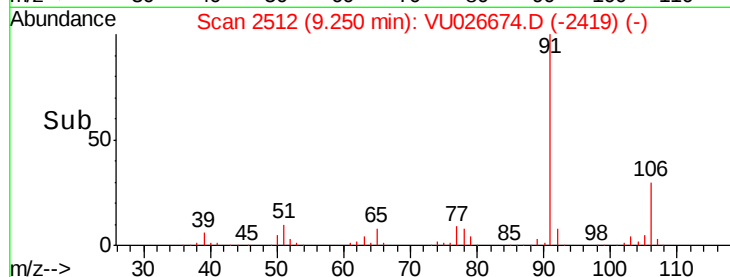
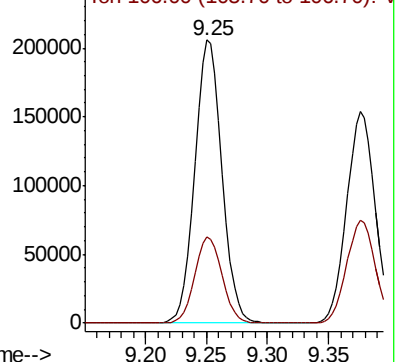
Ion Ratio Lower Upper

91 100

106 30.3 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026671.D (-2499) (-)



#53

m,p-Xylene

Concen: 55.347 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026674.D

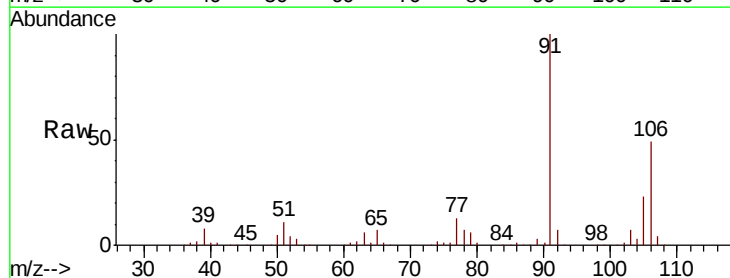
Acq: 11 Sep 2018 09:34

Tgt Ion: 106 Resp: 122432

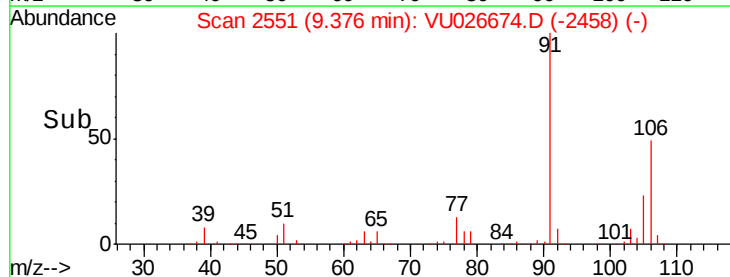
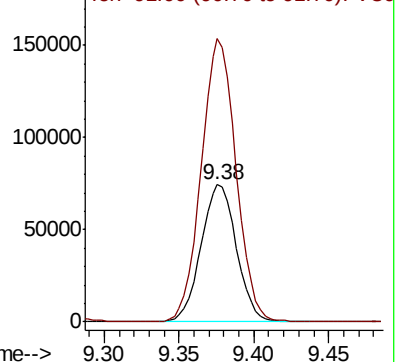
Ion Ratio Lower Upper

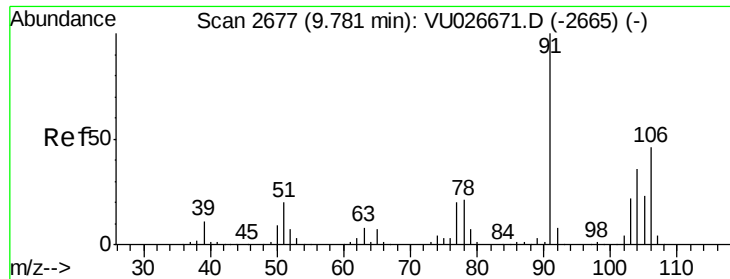
106 100

91 206.1 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026674.D (-2419) (-)

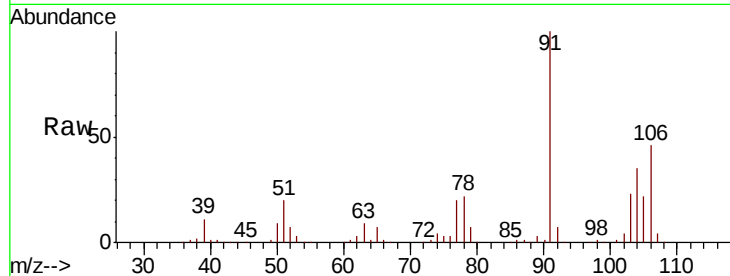




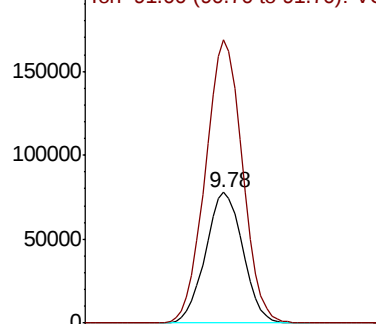
#54
o-xylene
Concen: 55.503 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

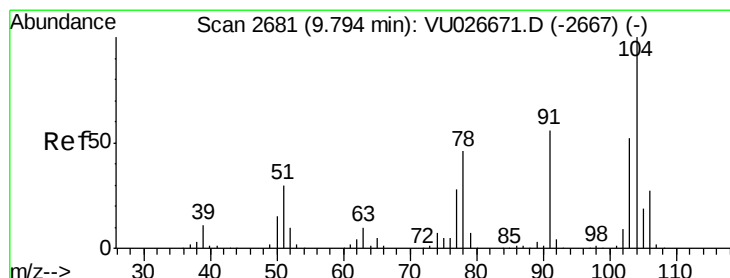
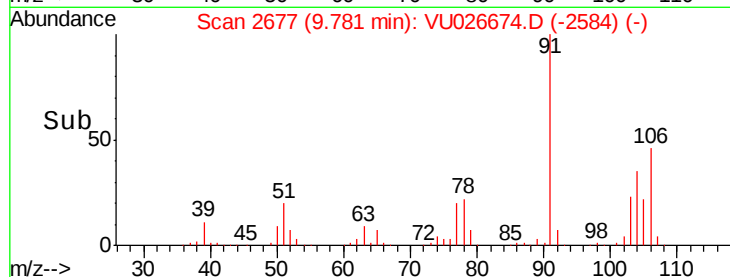
Tgt Ion:106 Resp: 121852
Ion Ratio Lower Upper
106 100
91 216.9 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

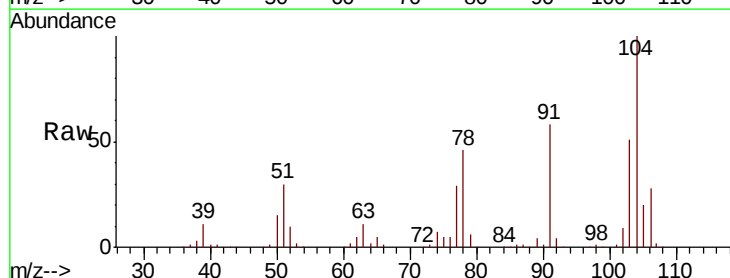


Time--> 9.70 9.75 9.80 9.85

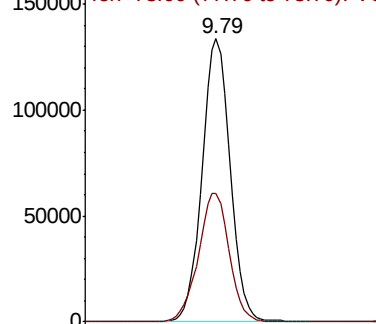


#55
Styrene
Concen: 55.953 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026674.D
Acq: 11 Sep 2018 09:34

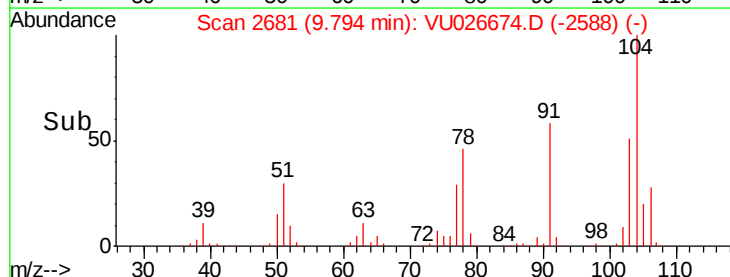
Tgt Ion:104 Resp: 207791
Ion Ratio Lower Upper
104 100
78 45.5 31.7 58.9

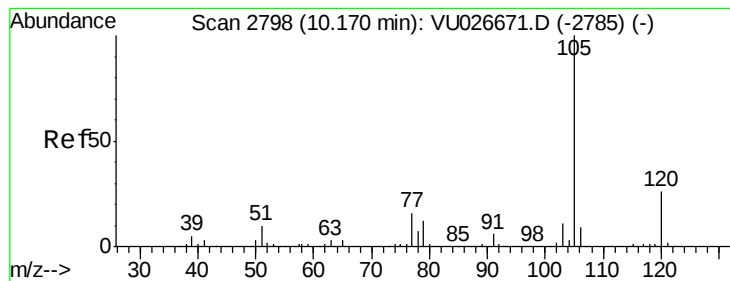


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time--> 9.70 9.75 9.80 9.85 9.90





#56

Isopropylbenzene

Concen: 56.240 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

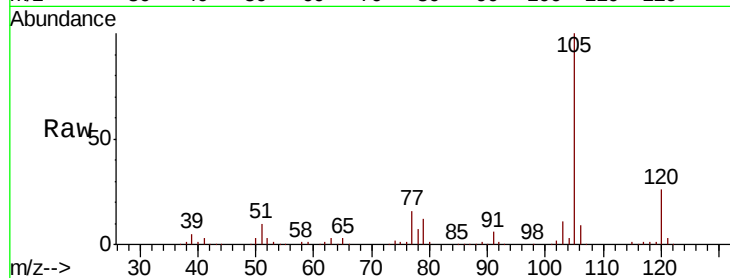
Tgt Ion:105 Resp: 314528

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

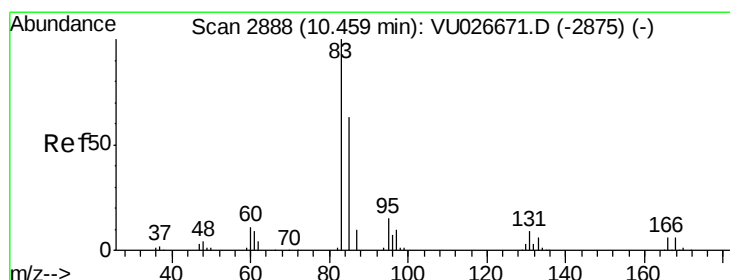
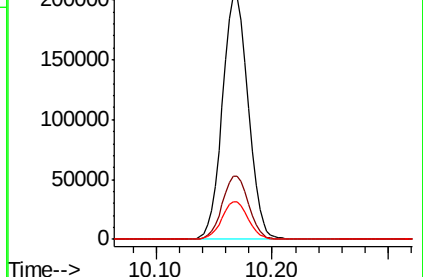
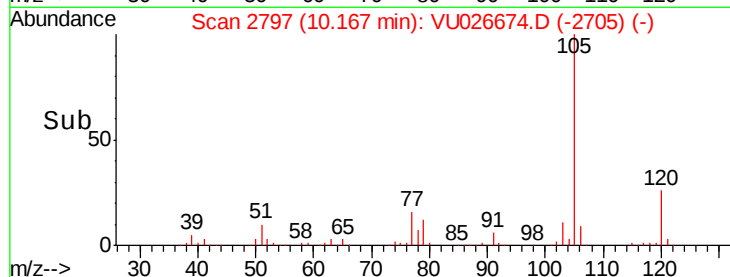
77 15.7 12.6 18.8



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: 53.502 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

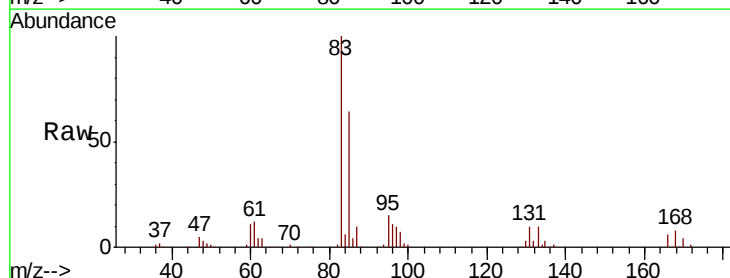
Tgt Ion: 83 Resp: 120206

Ion Ratio Lower Upper

83 100

85 64.0 45.4 84.2

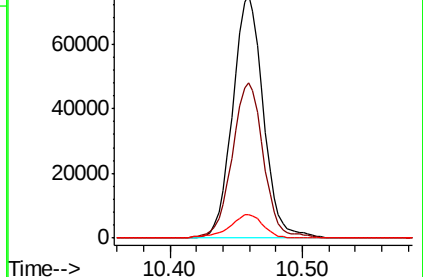
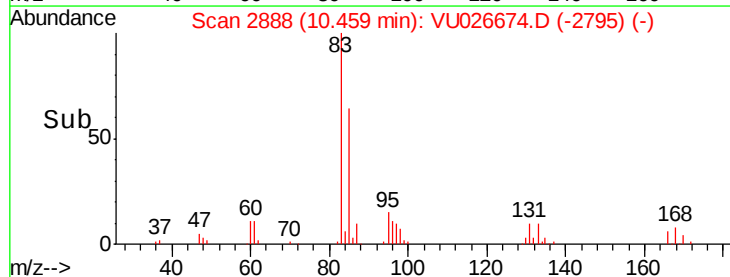
131 9.8 8.0 12.0

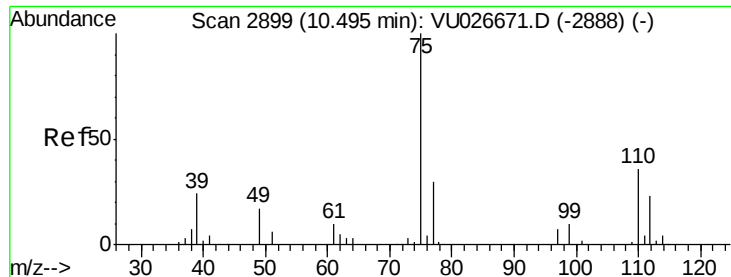


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.155 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

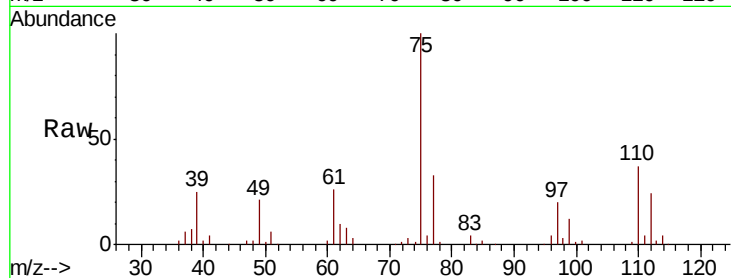
VSTD05057

Tgt Ion: 75 Resp: 91956

Ion Ratio Lower Upper

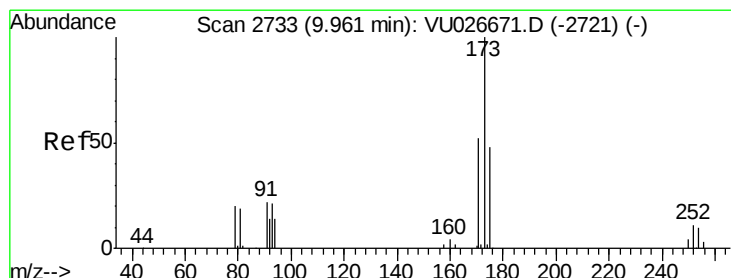
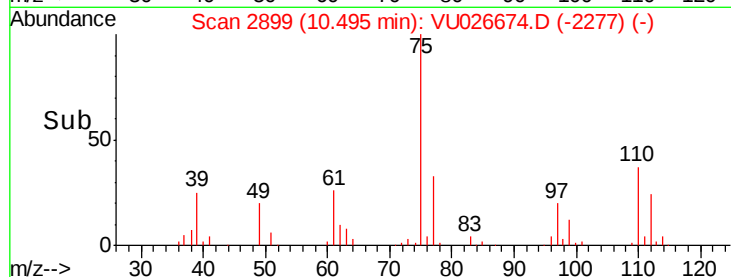
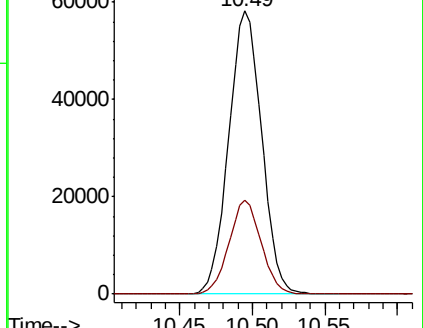
75 100

77 32.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU026671.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU026671.D (-2888) (-)



#61

Bromoform

Concen: 53.258 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

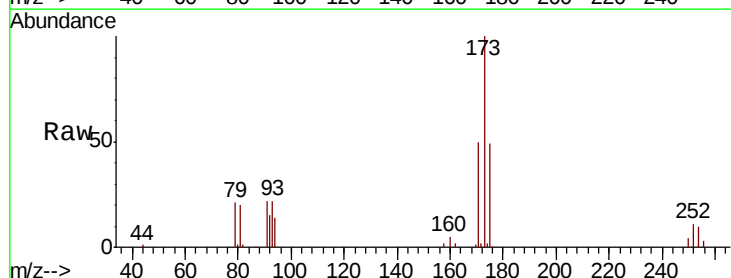
Tgt Ion: 173 Resp: 61943

Ion Ratio Lower Upper

173 100

175 48.8 38.2 57.4

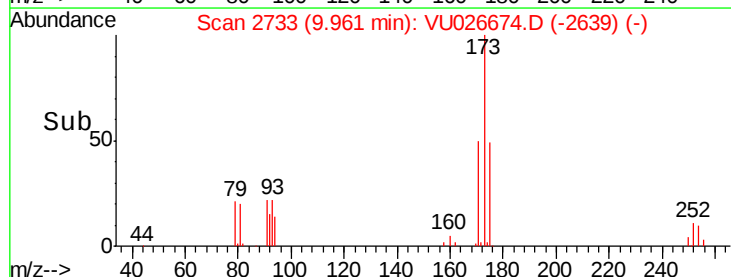
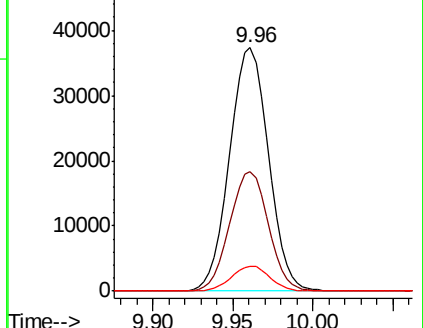
254 10.1 8.2 12.4

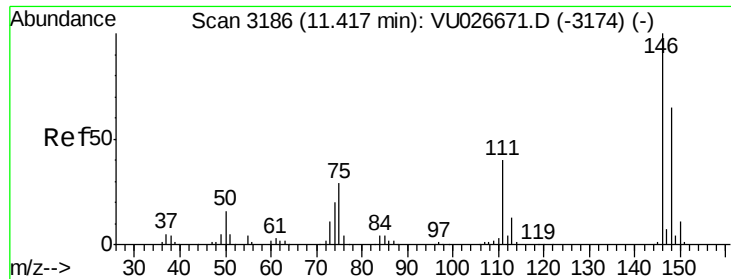


Abundance Ion 173.00 (172.70 to 173.70): VU026671.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU026671.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU026671.D (-2721) (-)

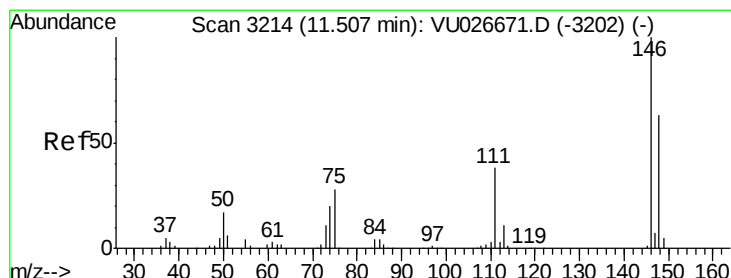
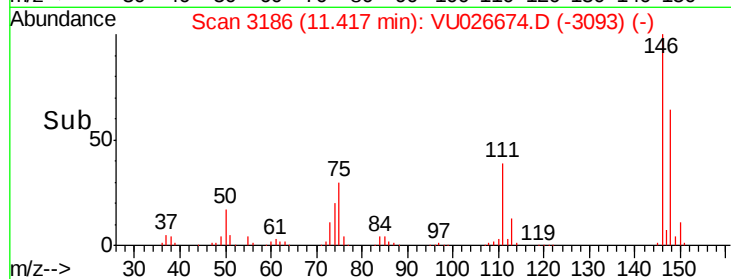
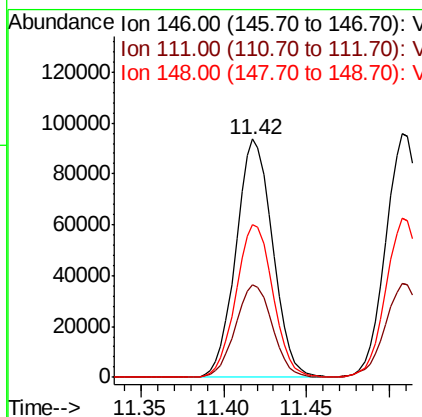
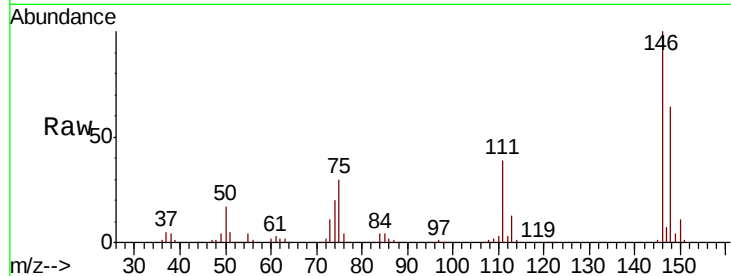




#62
 1,3-Dichlorobenzene
 Concen: 53.281 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

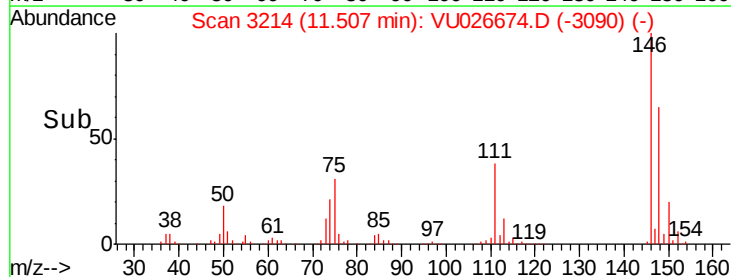
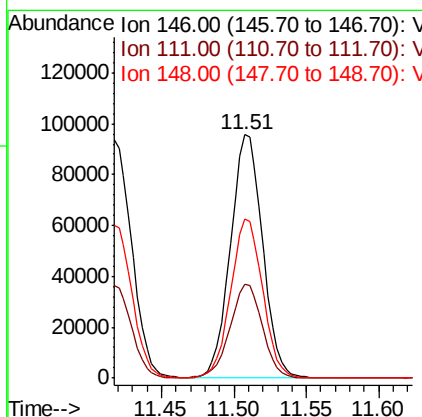
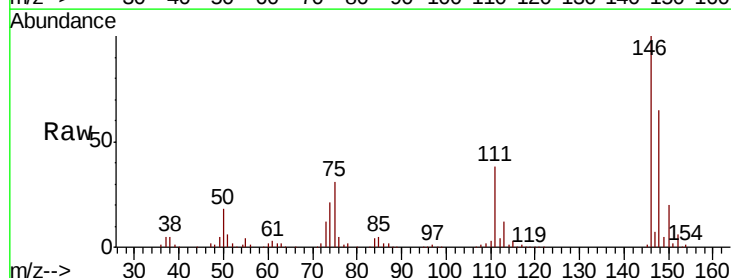
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

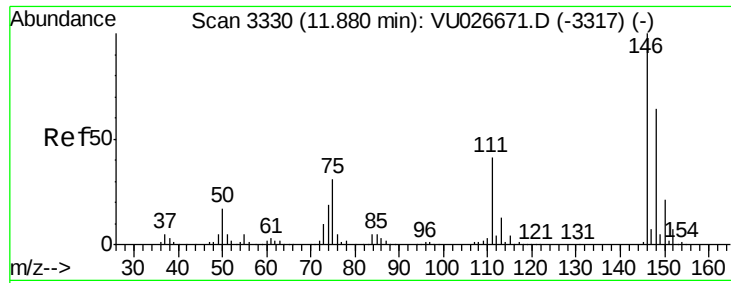
Tgt Ion:146 Resp: 144444
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.7 49.5
 148 64.2 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 51.279 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Tgt Ion:146 Resp: 147268
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.5 49.3
 148 65.1 45.2 84.0

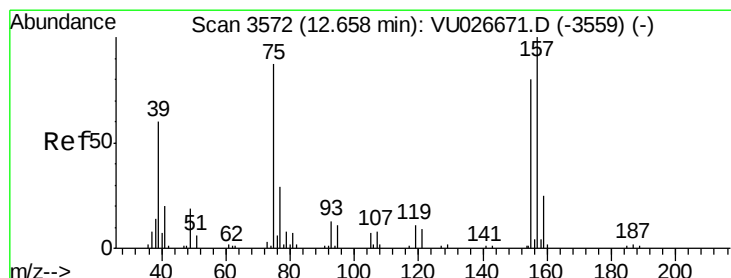
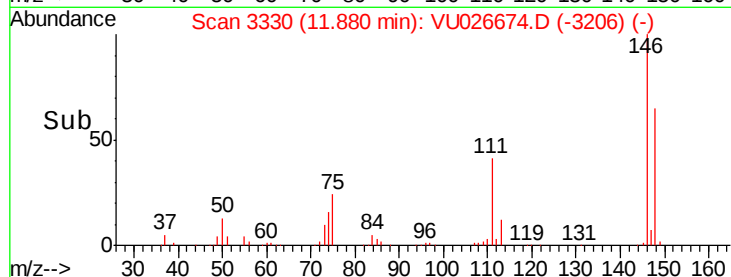
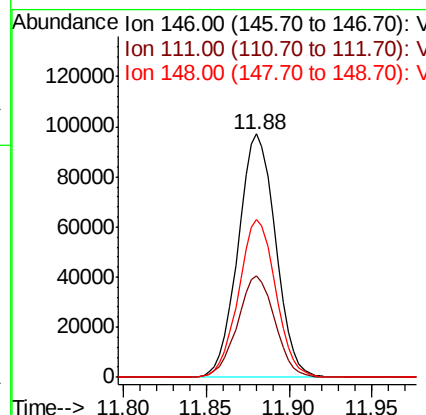
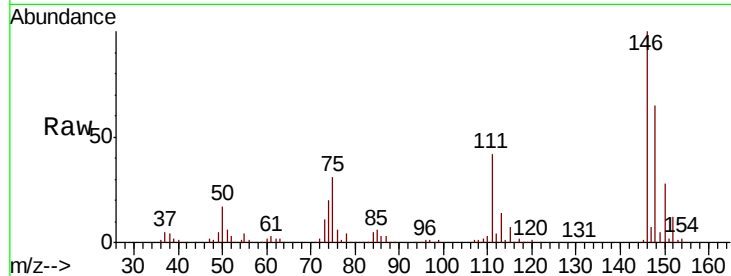




#65
 1,2-Dichlorobenzene
 Concen: 53.367 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

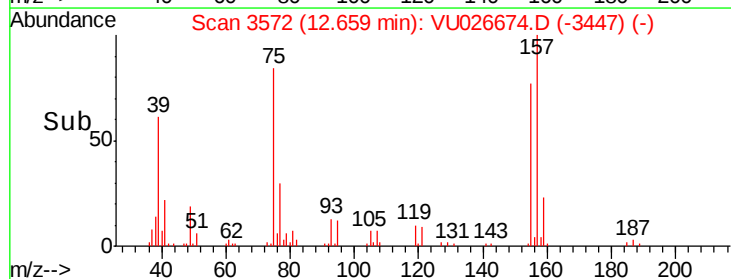
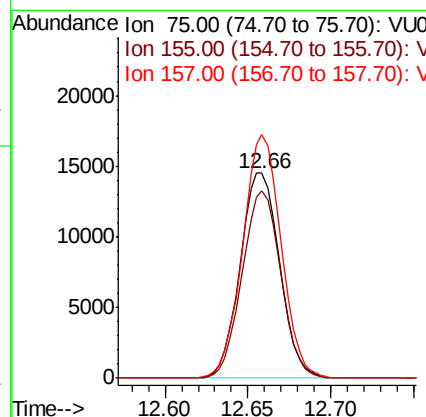
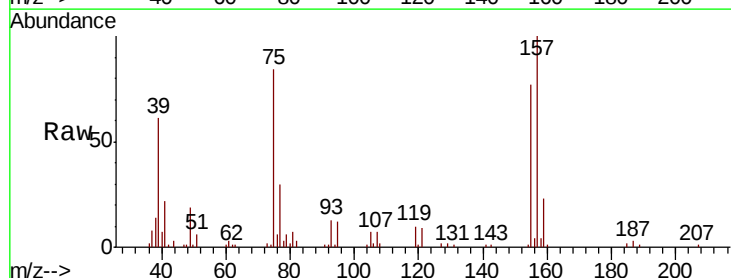
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

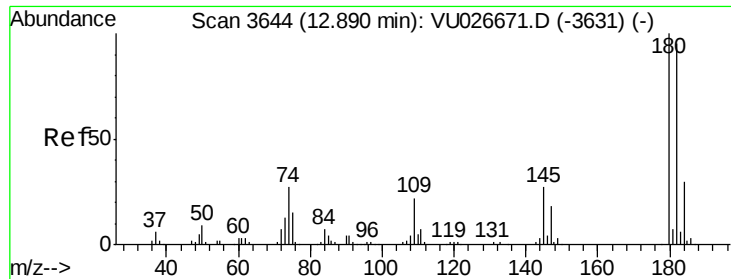
Tgt Ion: 146 Resp: 152906
 Ion Ratio Lower Upper
 146 100
 111 41.5 32.8 49.2
 148 65.0 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.892 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Tgt Ion: 75 Resp: 24020
 Ion Ratio Lower Upper
 75 100
 155 91.7 69.3 103.9
 157 119.0 93.4 140.0

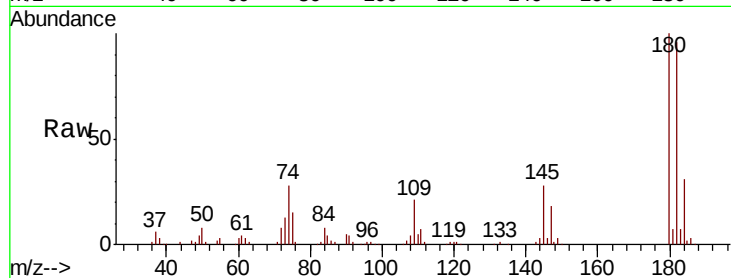




#67
 1,3,5-Trichlorobenzene
 Concen: 53.417 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
184	30.9	24.2	36.2
145	27.8	21.4	32.2



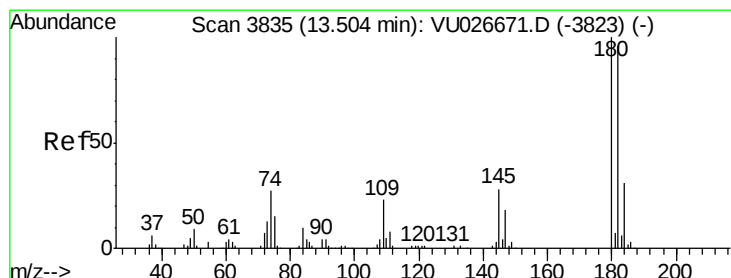
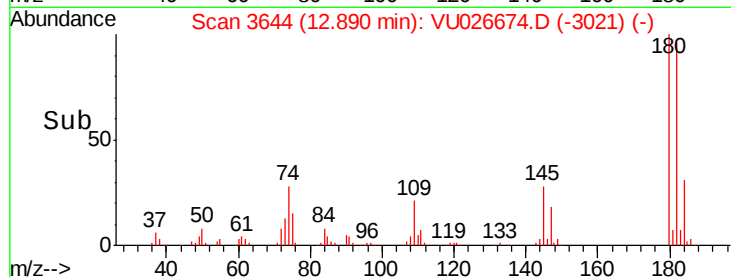
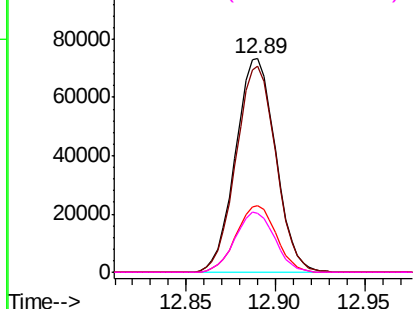
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

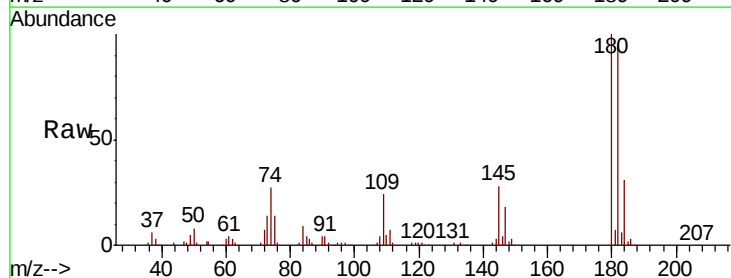
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.368 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026674.D
 Acq: 11 Sep 2018 09:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	27.9	23.4	35.0

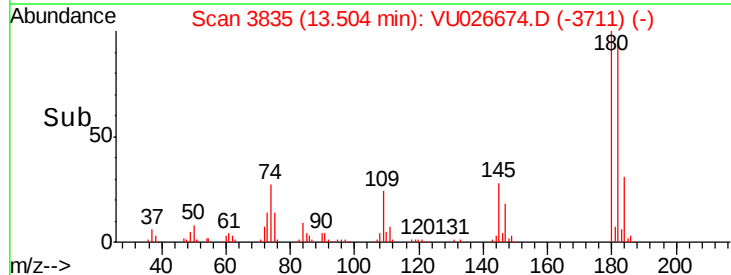
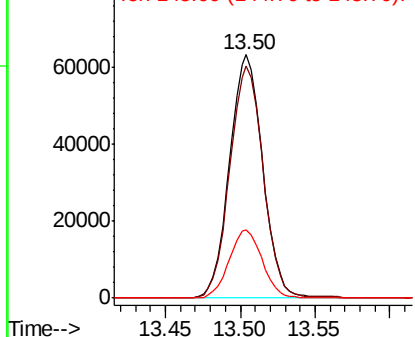


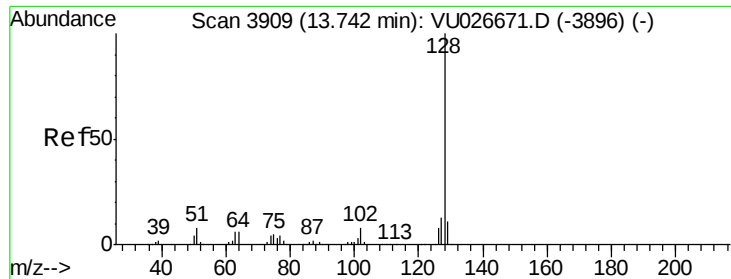
Abundance

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: 54.851 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

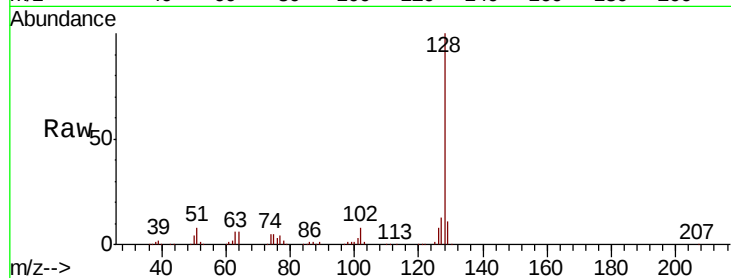
Tgt Ion:128 Resp: 314148

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

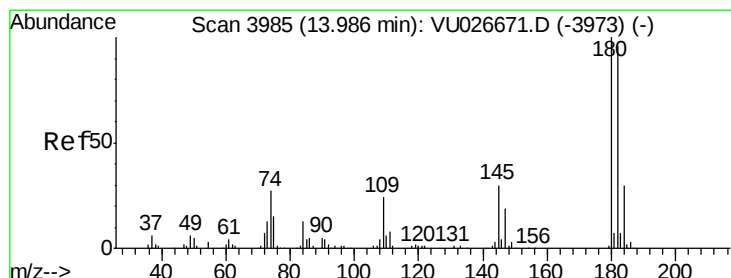
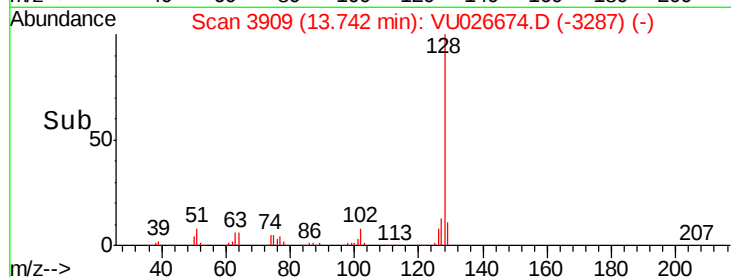
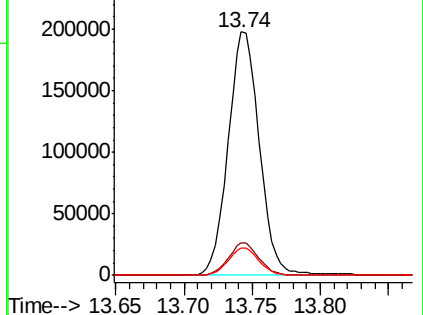
129 11.1 8.6 13.0



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: 53.436 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026674.D

Acq: 11 Sep 2018 09:34

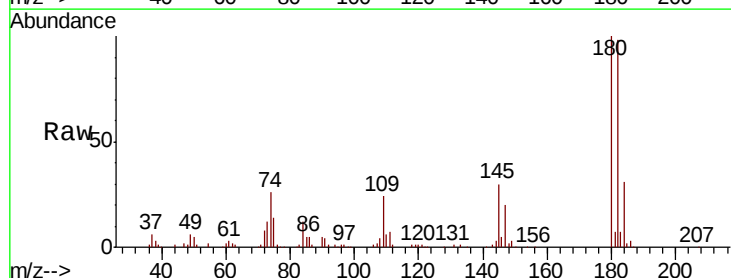
Tgt Ion:180 Resp: 108186

Ion Ratio Lower Upper

180 100

182 96.3 76.7 115.1

145 30.1 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

