

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025970.D
 Acq On : 08 Aug 2018 04:59
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Aug 08 06:50:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	308052	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290634	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	143889	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	83438	48.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.76%
7) Chloroethane-d5	1.68	69	65849	51.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.88%
11) 1,1-Dichloroethene-d2	2.27	63	164648	49.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.60%
21) 2-Butanone-d5	4.18	46	126254	107.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.49%
24) Chloroform-d	4.65	84	176988	53.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.12%
26) 1,2-Dichloroethane-d4	5.31	65	114235	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
32) Benzene-d6	5.35	84	334140	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.32%
36) 1,2-Dichloropropane-d6	6.33	67	106745	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.18%
41) Toluene-d8	7.57	98	317851	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%
43) trans-1,3-Dichloropropene-	7.85	79	49559	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.90%
47) 2-Hexanone-d5	8.31	63	85660	103.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.35%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	149716	54.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	128662	54.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.26%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	122483	52.270 ug/L	99
3) Chloromethane	1.33	50	113731	57.686 ug/L	99
5) Vinyl chloride	1.40	62	110424	51.930 ug/L	100
6) Bromomethane	1.62	94	58569	62.195 ug/L	99
8) Chloroethane	1.70	64	66087	53.674 ug/L	99
9) Trichlorofluoromethane	1.89	101	162189	52.946 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	84978	50.187 ug/L	99
12) 1,1-Dichloroethene	2.28	96	80276	51.627 ug/L	97
13) Acetone	2.32	43	96203	69.189 ug/L	99
14) Carbon disulfide	2.48	76	277330	50.060 ug/L	100
15) Methyl Acetate	2.62	43	114899	54.117 ug/L	98
16) Methylene chloride	2.70	84	108525	53.557 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	96994	50.588 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	317964	52.161 ug/L	98
19) 1,1-Dichloroethane	3.45	63	187467	53.909 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	111917	52.246 ug/L	99
22) 2-Butanone	4.27	43	160742	92.467 ug/L	100

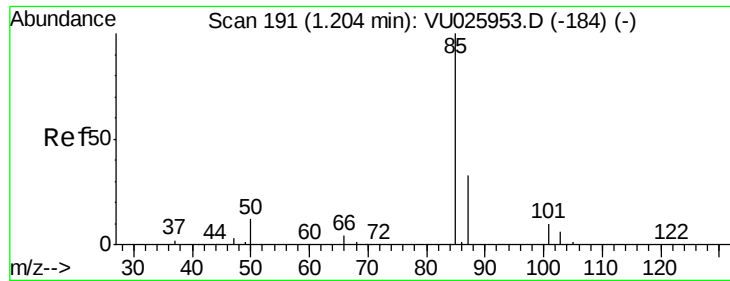
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
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 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58966	52.429	ug/L	96
25) Chloroform	4.68	83	196551	53.353	ug/L	98
27) 1,2-Dichloroethane	5.41	62	160573	54.661	ug/L	98
29) Cyclohexane	5.00	56	159496	52.075	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	176526	53.360	ug/L	98
31) Carbon tetrachloride	5.14	117	162918	55.071	ug/L	100
33) Benzene	5.39	78	410691	54.060	ug/L	100
34) Trichloroethene	6.19	95	105334	49.824	ug/L	96
35) Methylcyclohexane	6.42	83	162425	50.759	ug/L	97
37) 1,2-Dichloropropane	6.44	63	113184	55.765	ug/L #	95
38) Bromodichloromethane	6.76	83	149994	54.365	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	152439	46.112	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	301665	109.000	ug/L	99
42) Toluene	7.64	91	437327	52.750	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	150483	48.160	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	105725	54.534	ug/L	98
46) Tetrachloroethene	8.23	164	88802	48.871	ug/L	96
48) 2-Hexanone	8.36	43	227372	101.834	ug/L	99
49) Dibromochloromethane	8.48	129	129930	54.562	ug/L	100
50) 1,2-Dibromoethane	8.59	107	113968	52.405	ug/L	97
51) Chlorobenzene	9.12	112	294455	51.868	ug/L	98
52) Ethylbenzene	9.25	91	478488	50.729	ug/L	100
53) m,p-Xylene	9.38	106	186996	50.538	ug/L	97
54) o-xylene	9.78	106	184924	52.486	ug/L	98
55) Styrene	9.80	104	310159	52.245	ug/L	99
56) Isopropylbenzene	10.17	105	480890	51.354	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	173442	53.213	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	139918	54.165	ug/L	100
61) Bromoform	9.96	173	93976	57.193	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	219606	51.013	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	225873	51.501	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	241377	55.920	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	38191	58.220	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	162405	51.197	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	133129	48.357	ug/L	98
69) Naphthalene	13.75	128	404549	50.002	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	140572	49.836	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 52.270 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

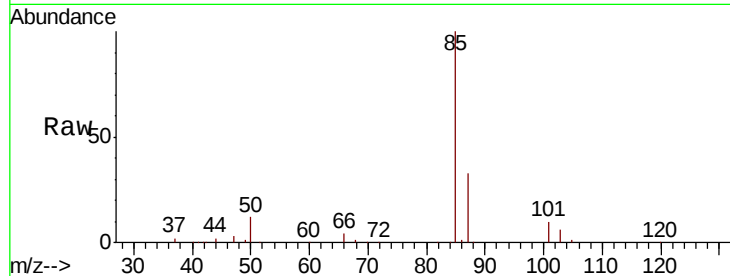
VSTD05047

Tgt Ion: 85 Resp: 122483

Ion Ratio Lower Upper

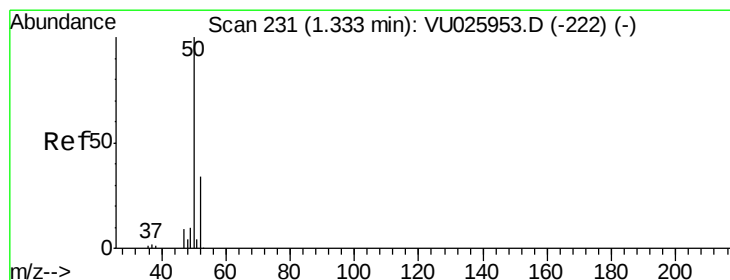
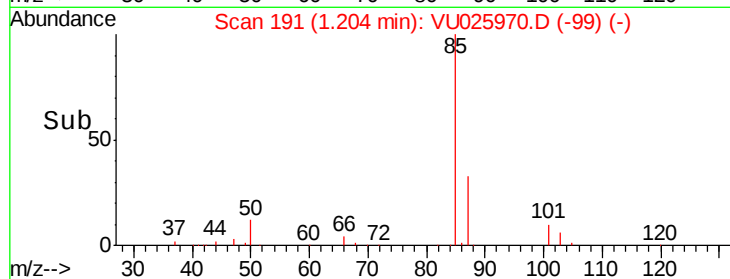
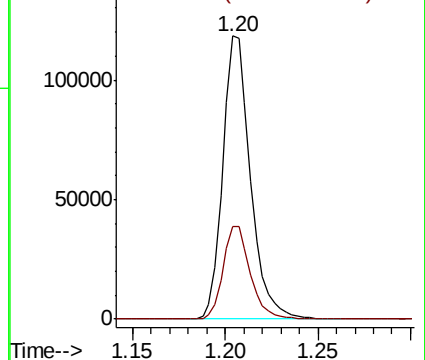
85 100

87 32.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 57.686 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025970.D

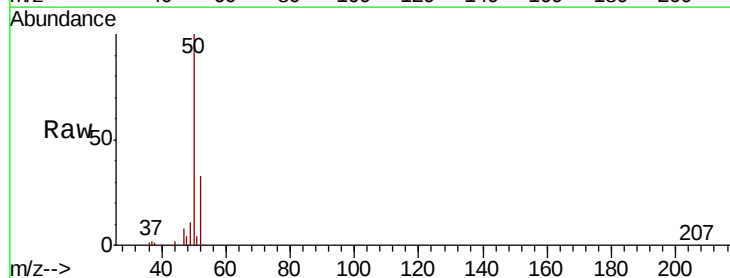
Acq: 08 Aug 2018 04:59

Tgt Ion: 50 Resp: 113731

Ion Ratio Lower Upper

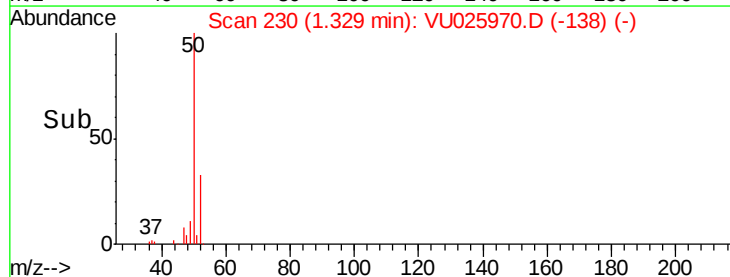
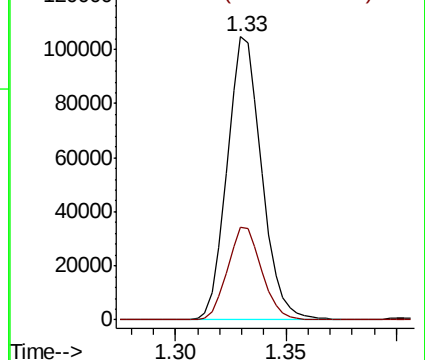
50 100

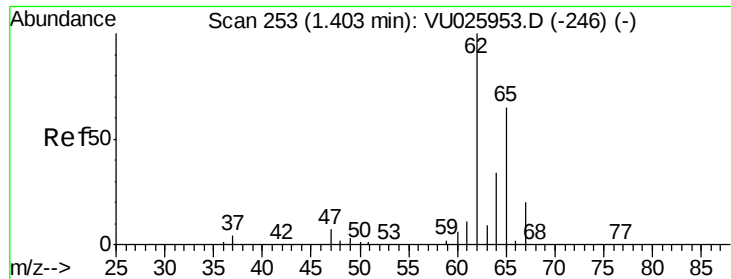
52 32.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 51.930 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

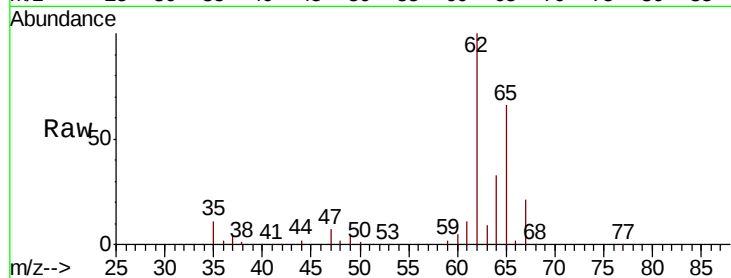
VSTD05047

Tgt Ion: 62 Resp: 110424

Ion Ratio Lower Upper

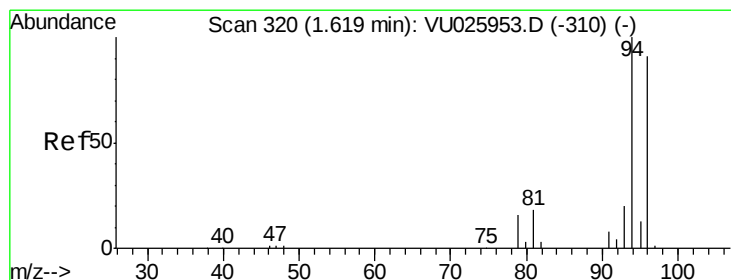
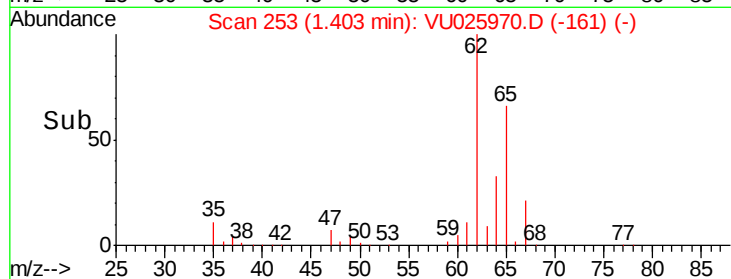
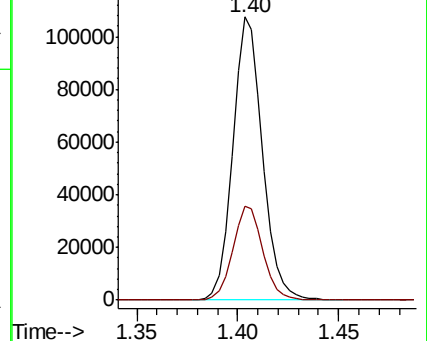
62 100

64 33.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 62.195 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.01 min

Lab File: VU025970.D

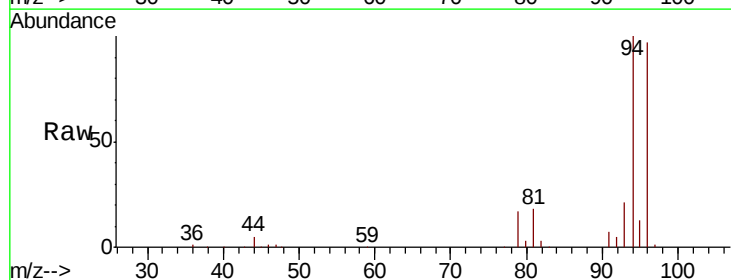
Acq: 08 Aug 2018 04:59

Tgt Ion: 94 Resp: 58569

Ion Ratio Lower Upper

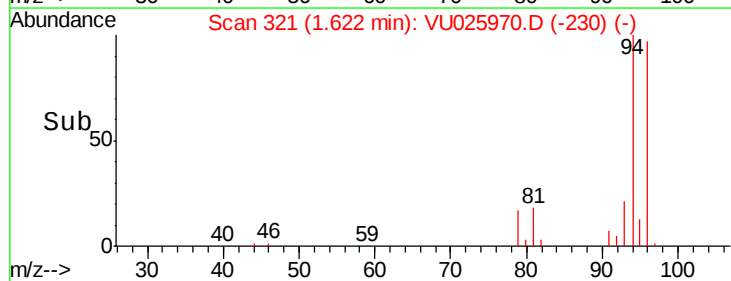
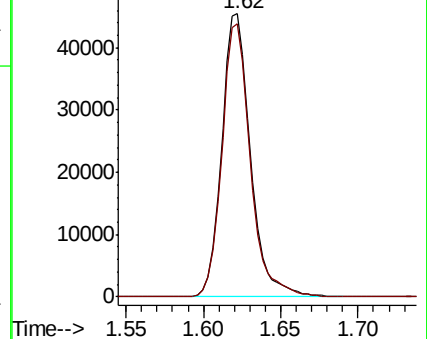
94 100

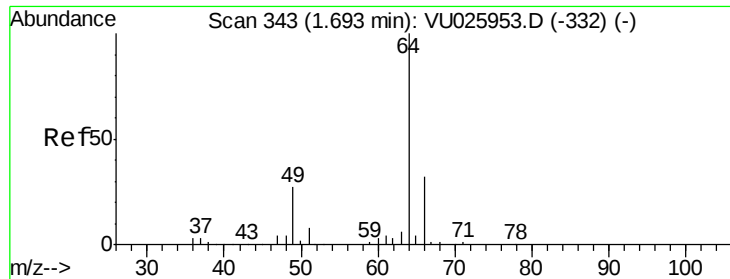
96 96.5 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

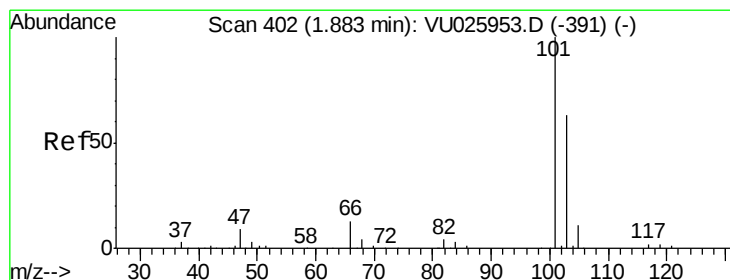
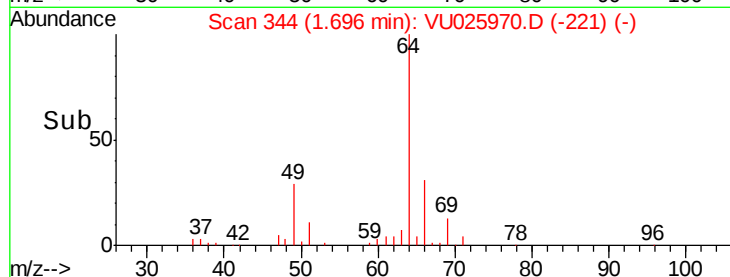
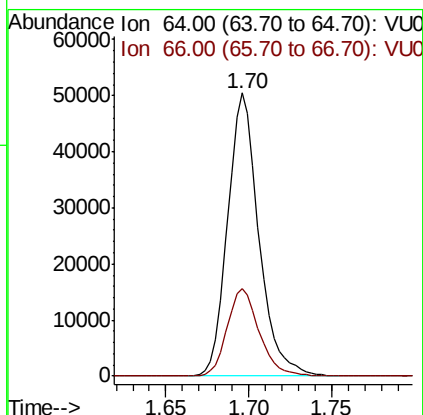
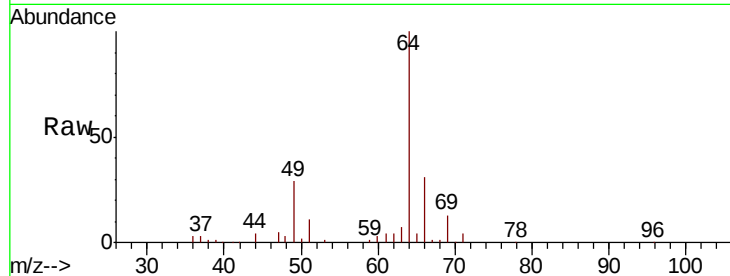




#8
Chloroethane
Concen: 53.674 ug/L
RT: 1.70 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU025970.D
Acq: 08 Aug 2018 04:59

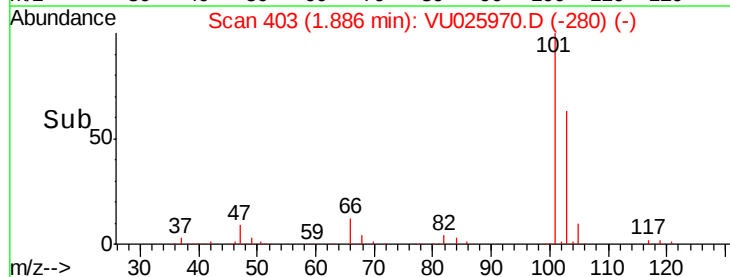
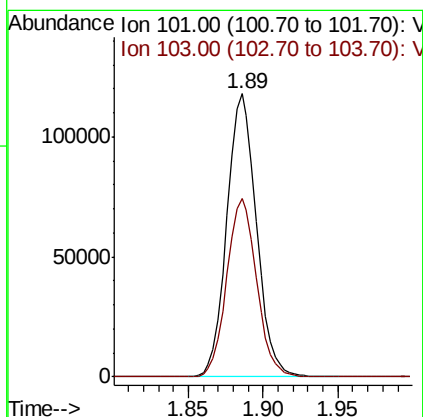
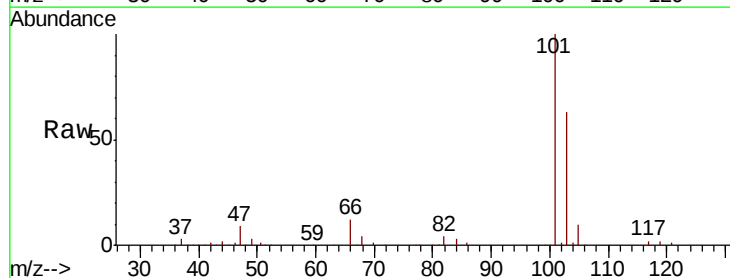
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

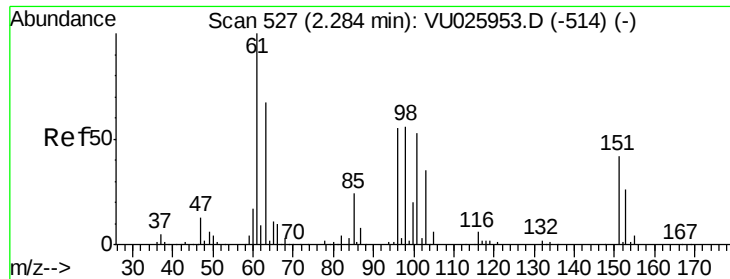
Tgt Ion: 64 Resp: 66087
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 52.946 ug/L
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU025970.D
Acq: 08 Aug 2018 04:59

Tgt Ion: 101 Resp: 162189
Ion Ratio Lower Upper
101 100
103 63.7 51.6 77.4





#10

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

Concen: 50.187 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

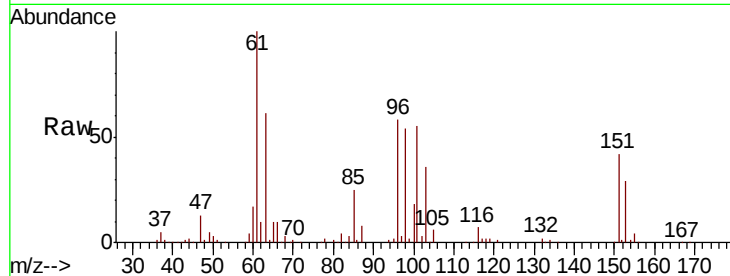
Tgt Ion:101 Resp: 84978

Ion Ratio Lower Upper

101 100

85 44.7 34.6 51.8

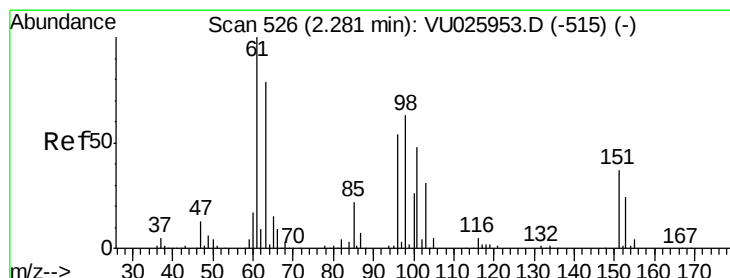
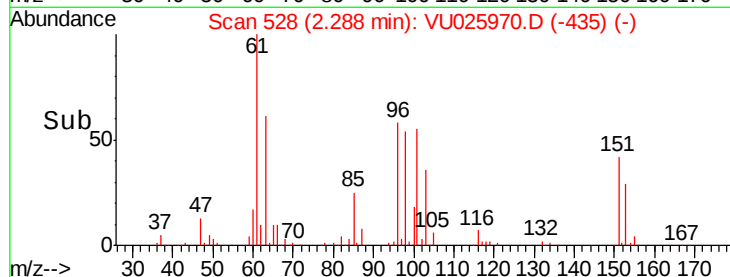
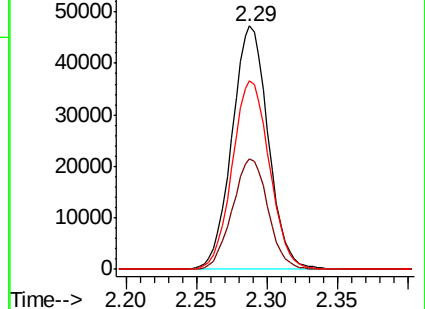
151 79.5 64.3 96.5



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: 51.627 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

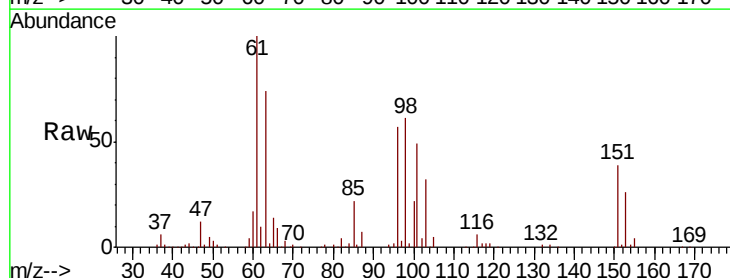
Tgt Ion: 96 Resp: 80276

Ion Ratio Lower Upper

96 100

61 175.3 123.0 228.4

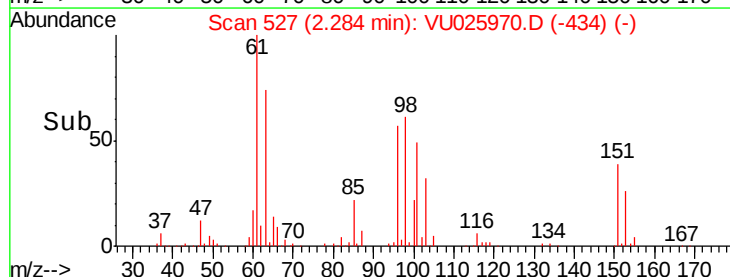
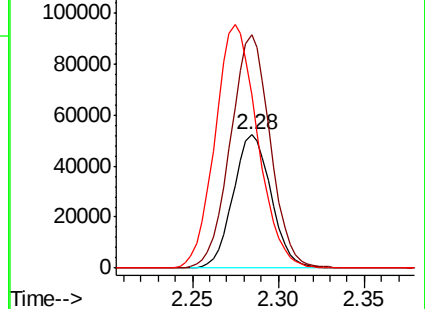
63 130.3 97.2 180.4

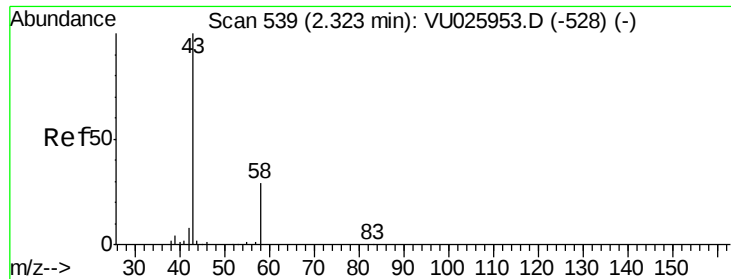


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 69.189 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

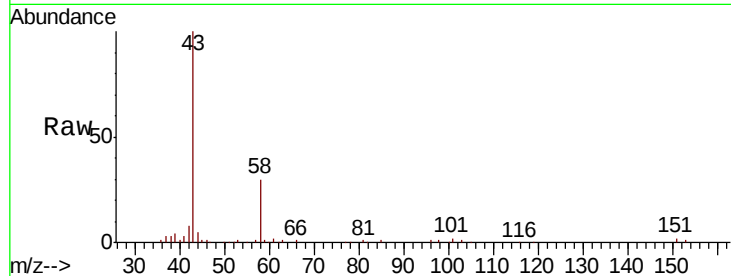
VSTD05047

Tgt Ion: 43 Resp: 96203

Ion Ratio Lower Upper

43 100

58 29.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

60000

40000

20000

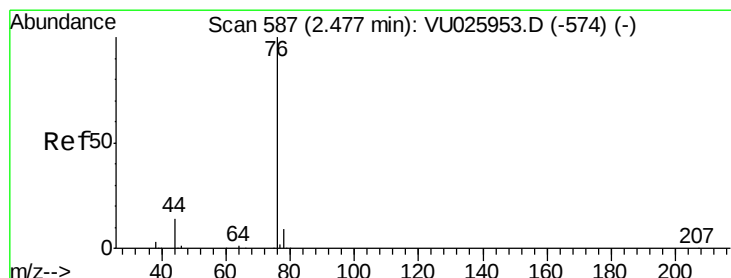
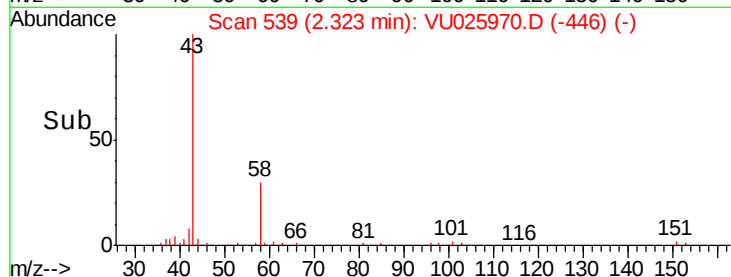
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Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 50.060 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025970.D

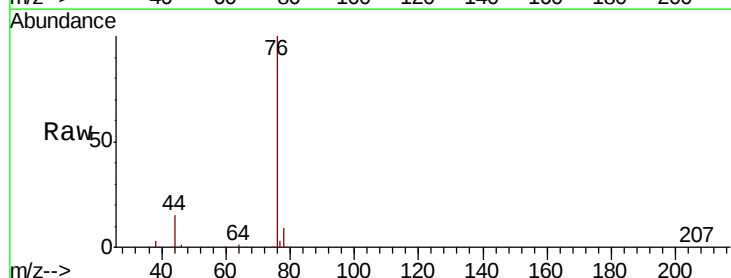
Acq: 08 Aug 2018 04:59

Tgt Ion: 76 Resp: 277330

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

200000

150000

100000

50000

0

Time-->

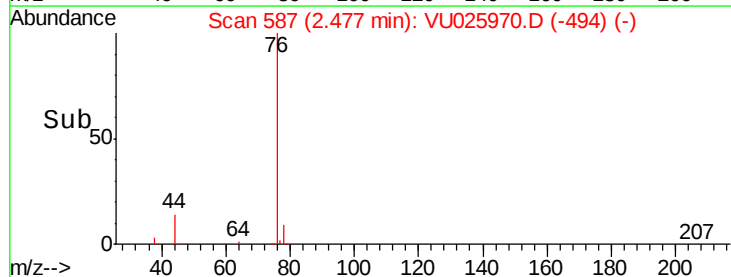
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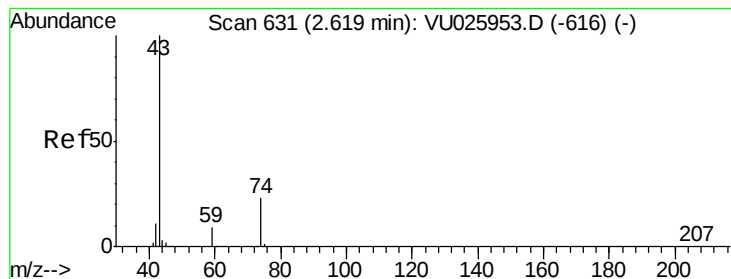
2.45

2.50

2.55

2.60





#15

Methyl Acetate

Concen: 54.117 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

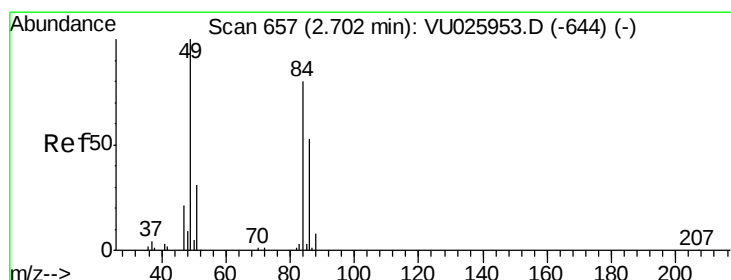
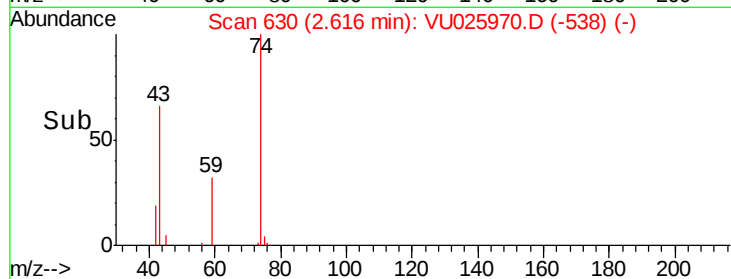
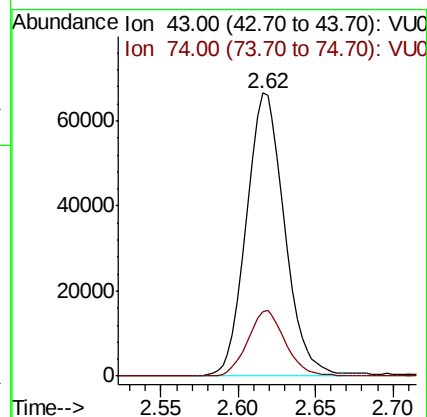
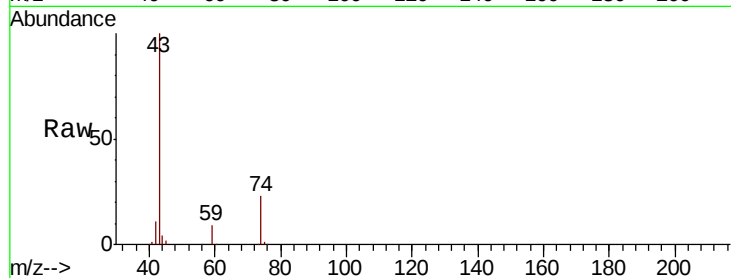
VSTD05047

Tgt Ion: 43 Resp: 114899

Ion Ratio Lower Upper

43 100

74 22.7 18.8 28.2



#16

Methylene chloride

Concen: 53.557 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

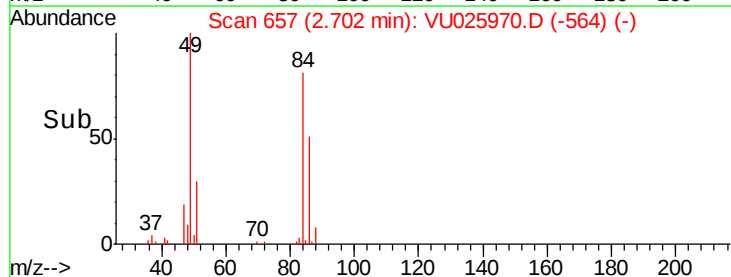
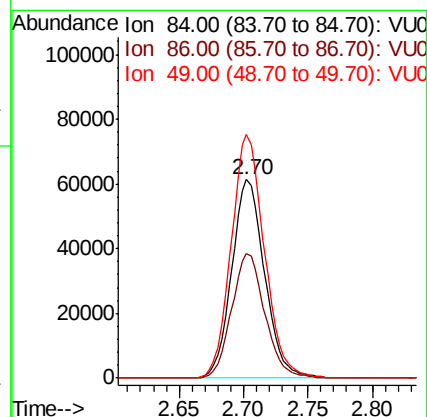
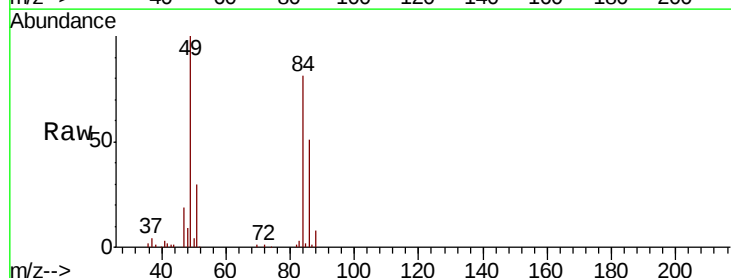
Tgt Ion: 84 Resp: 108525

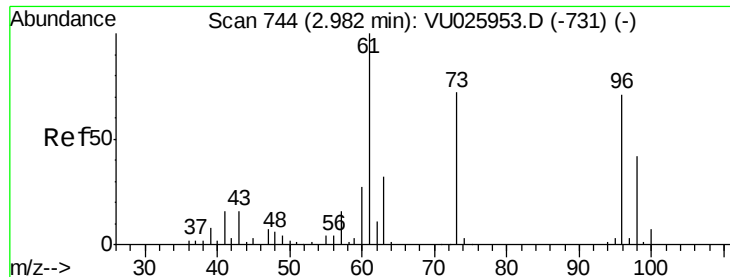
Ion Ratio Lower Upper

84 100

86 62.6 45.2 84.0

49 122.8 84.4 156.7





#17

trans-1,2-Dichloroethene

Concen: 50.588 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

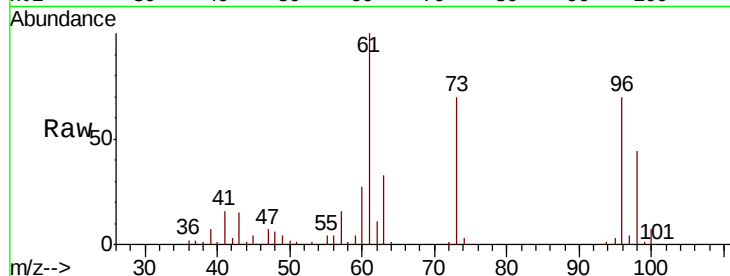
Tgt Ion: 96 Resp: 96994

Ion Ratio Lower Upper

96 100

61 142.5 96.2 178.6

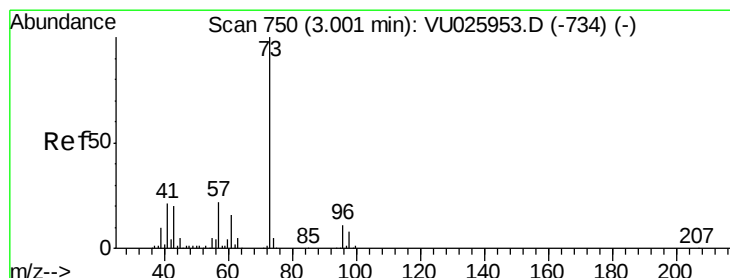
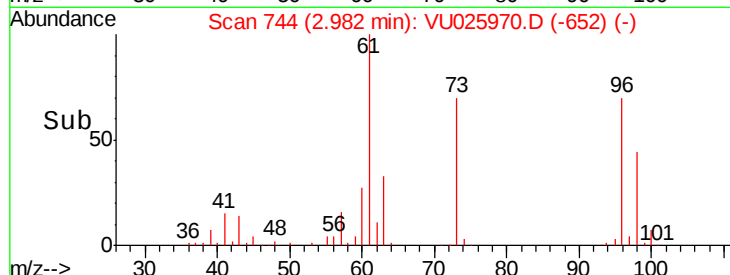
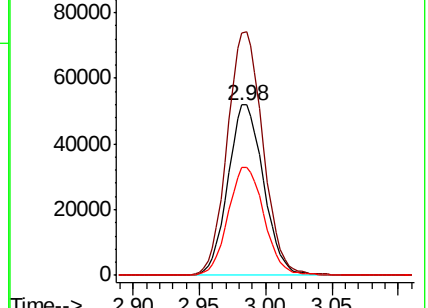
98 63.1 44.0 81.8



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: 52.161 ug/L

RT: 3.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

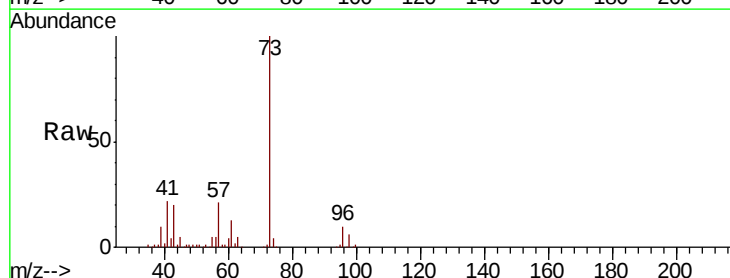
Tgt Ion: 73 Resp: 317964

Ion Ratio Lower Upper

73 100

43 20.9 15.9 23.9

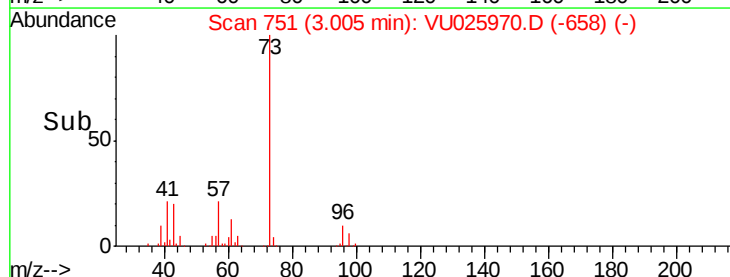
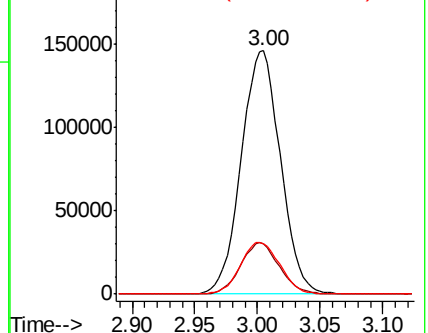
57 21.5 17.5 26.3

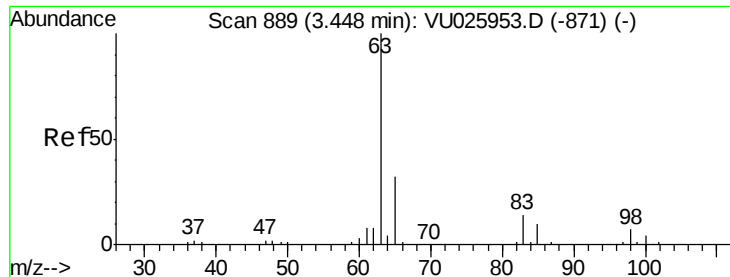


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

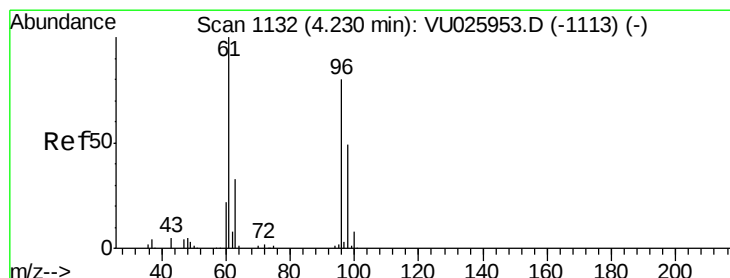
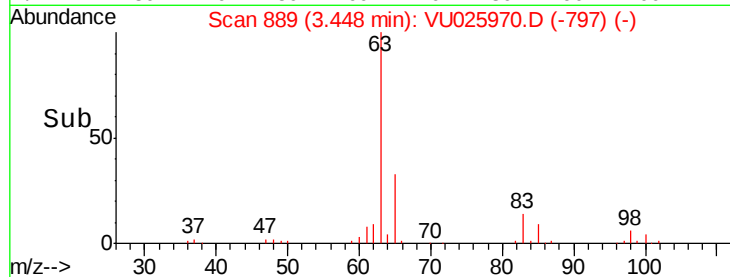
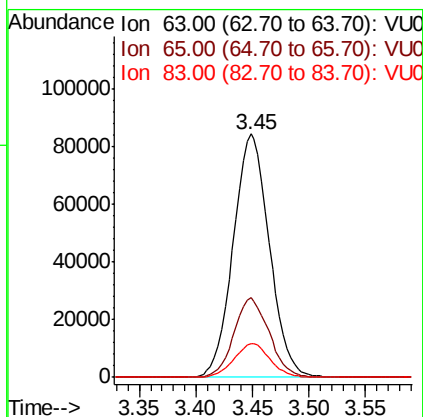
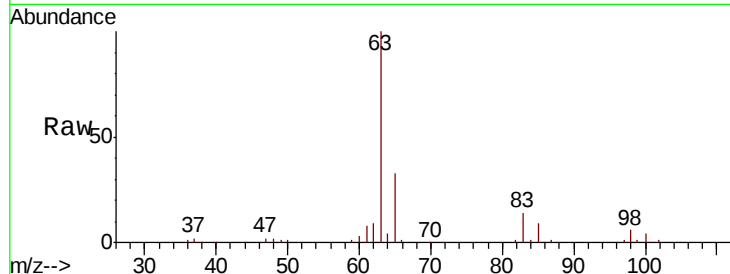




#19
 1,1-Dichloroethane
 Concen: 53.909 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

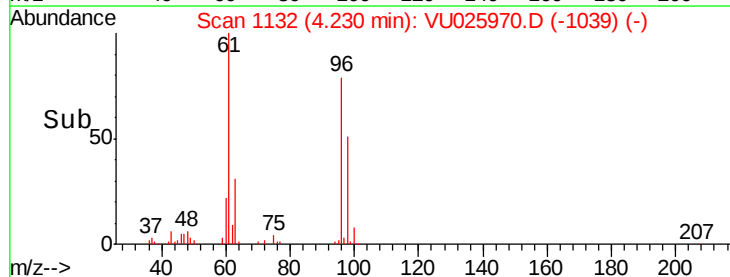
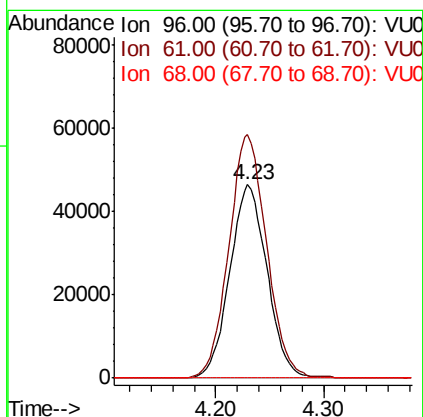
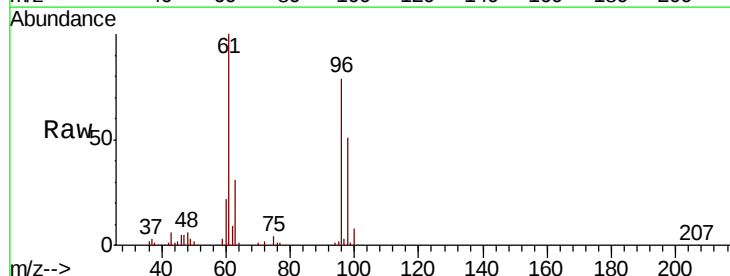
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

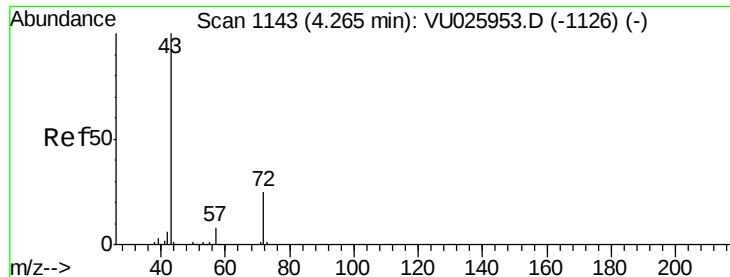
Tgt Ion: 63 Resp: 187467
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.7 42.3
 83 13.7 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 52.246 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion: 96 Resp: 111917
 Ion Ratio Lower Upper
 96 100
 61 126.1 87.7 162.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.467 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

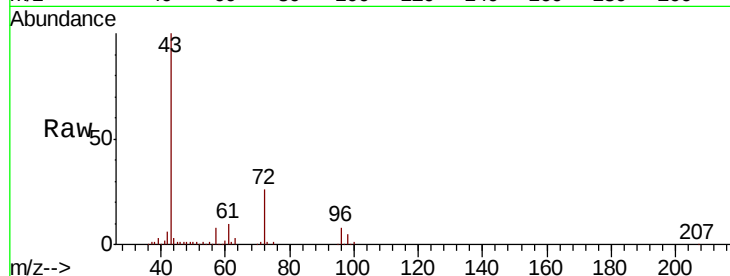
VSTD05047

Tgt Ion: 43 Resp: 160742

Ion Ratio Lower Upper

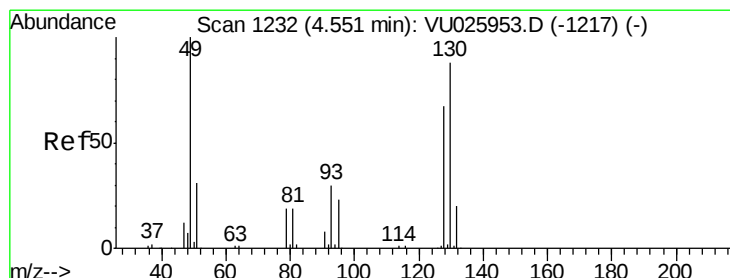
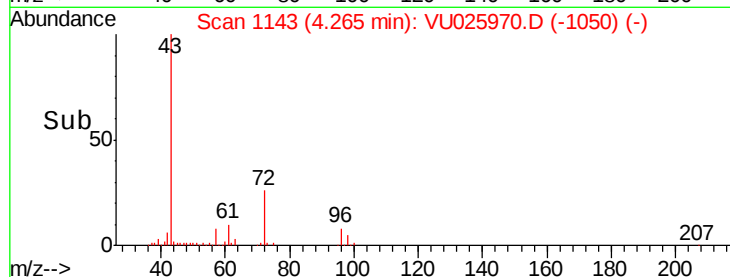
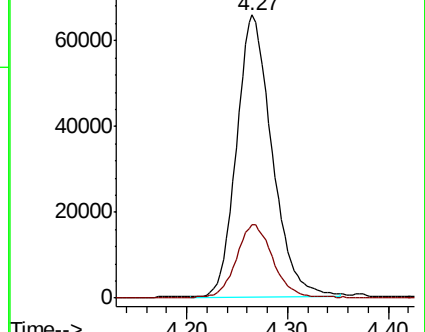
43 100

72 27.0 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025970.D (-1126) (-)

Ion 72.00 (71.70 to 72.70): VU025970.D (-1126) (-)



#23

Bromochloromethane

Concen: 52.429 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Tgt Ion: 128 Resp: 58966

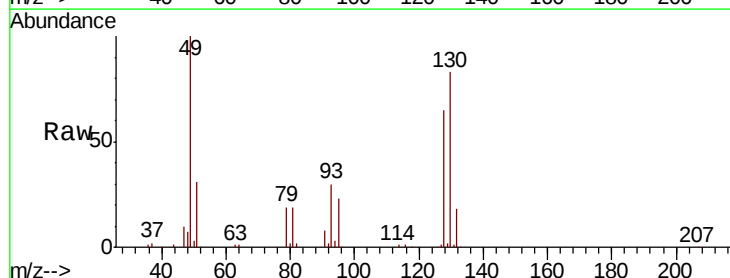
Ion Ratio Lower Upper

128 100

49 153.6 100.9 187.5

130 127.3 88.6 164.6

51 47.1 35.9 53.9

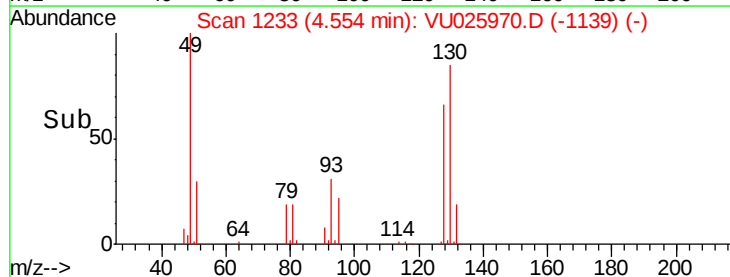
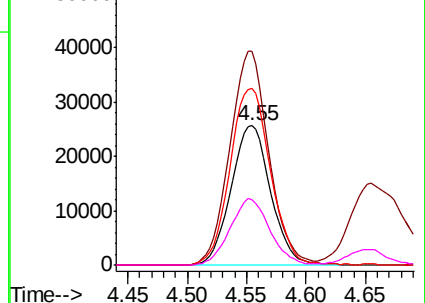


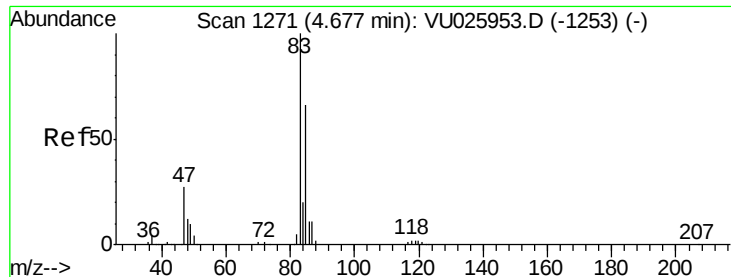
Abundance Ion 128.00 (127.70 to 128.70): VU025970.D (-1217) (-)

Ion 49.00 (48.70 to 49.70): VU025970.D (-1217) (-)

Ion 130.00 (129.70 to 130.70): VU025970.D (-1217) (-)

Ion 51.00 (50.70 to 51.70): VU025970.D (-1217) (-)





#25

Chloroform

Concen: 53.353 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

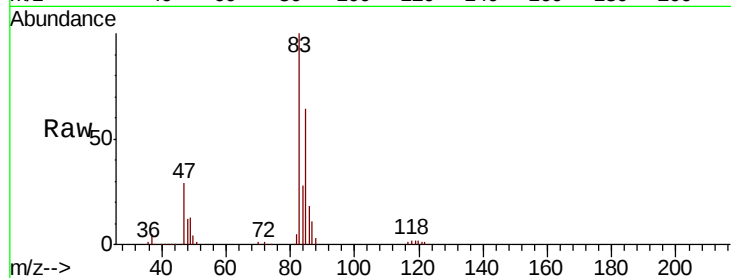
VSTD05047

Tgt Ion: 83 Resp: 196551

Ion Ratio Lower Upper

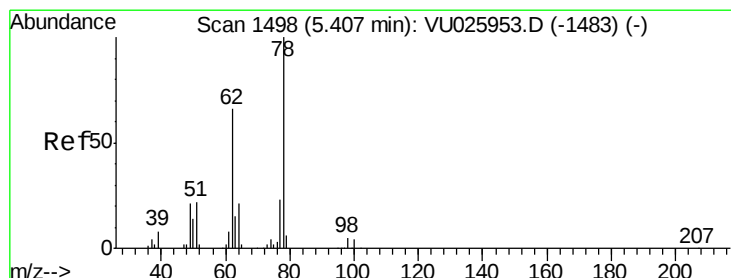
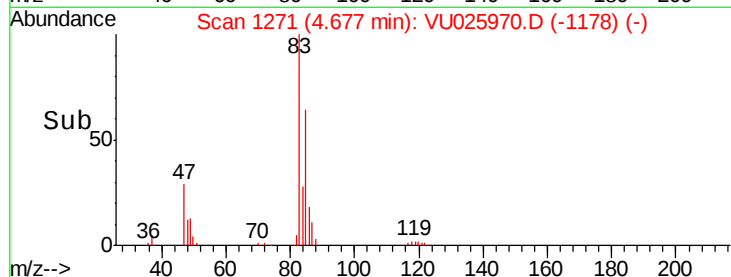
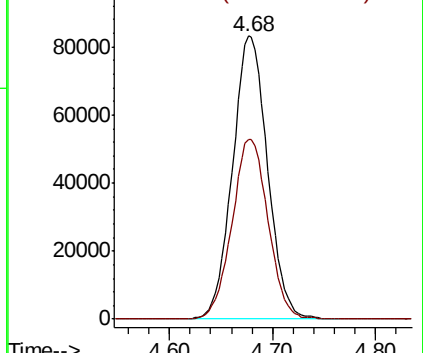
83 100

85 63.7 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 54.661 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU025970.D

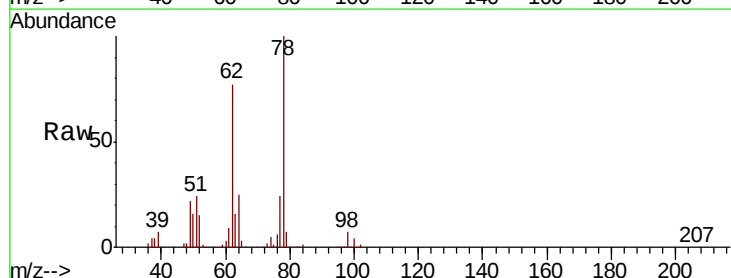
Acq: 08 Aug 2018 04:59

Tgt Ion: 62 Resp: 160573

Ion Ratio Lower Upper

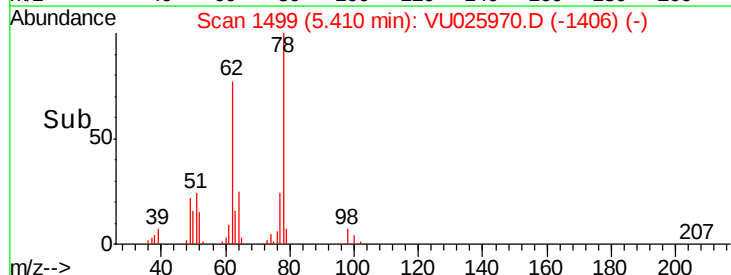
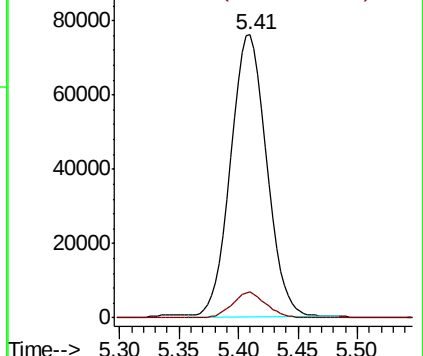
62 100

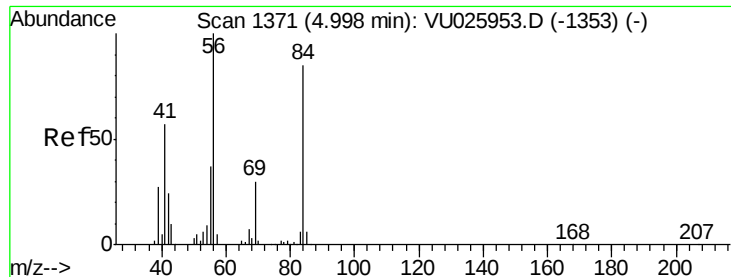
98 9.1 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

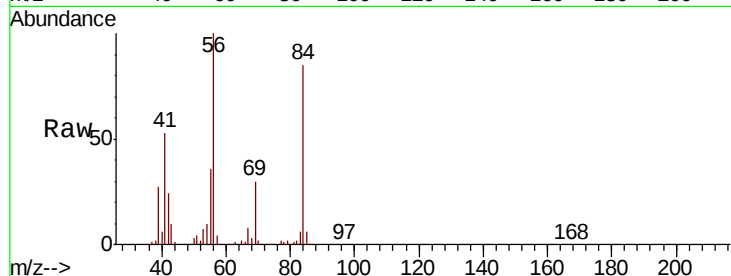




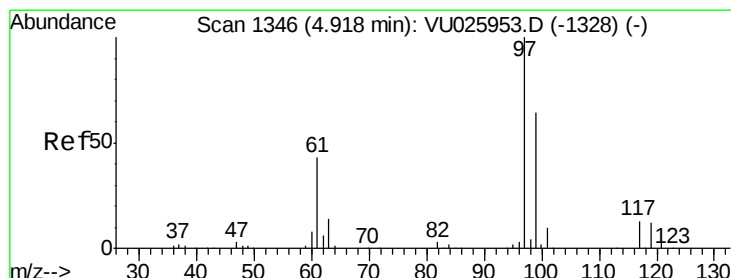
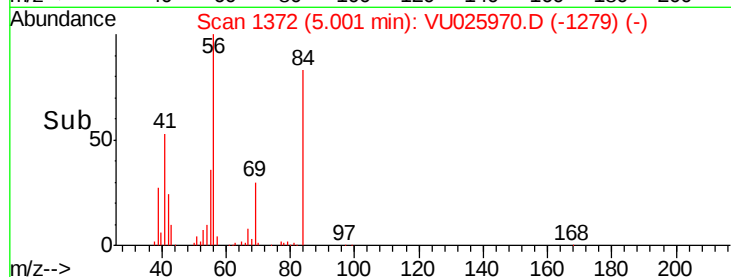
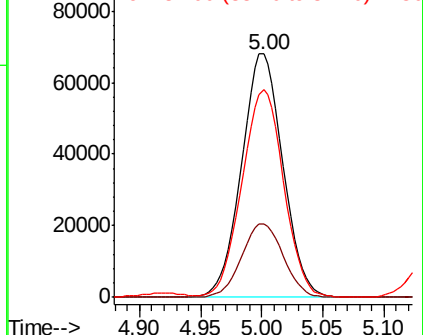
#29
Cyclohexane
Concen: 52.075 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU025970.D
Acq: 08 Aug 2018 04:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion: 56 Resp: 159496
Ion Ratio Lower Upper
56 100
69 30.5 24.6 36.8
84 85.6 71.4 107.2

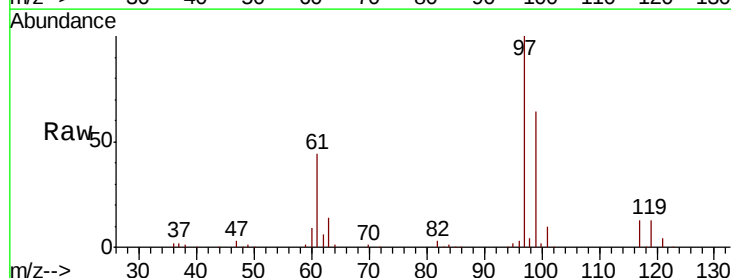


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

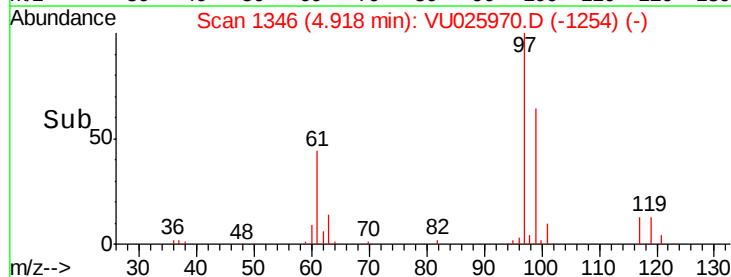
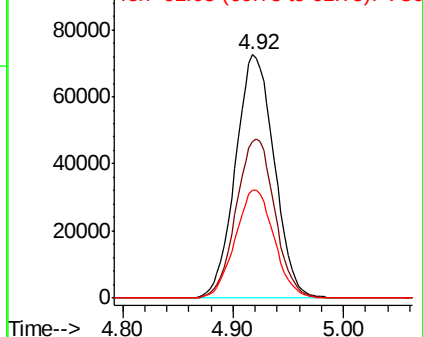


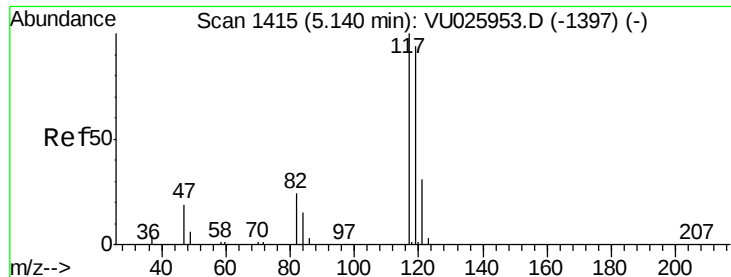
#30
1,1,1-Trichloroethane
Concen: 53.360 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025970.D
Acq: 08 Aug 2018 04:59

Tgt Ion: 97 Resp: 176526
Ion Ratio Lower Upper
97 100
99 65.0 52.3 78.5
61 44.5 33.8 50.6



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

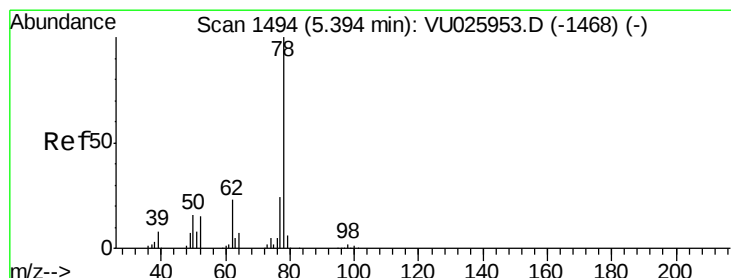
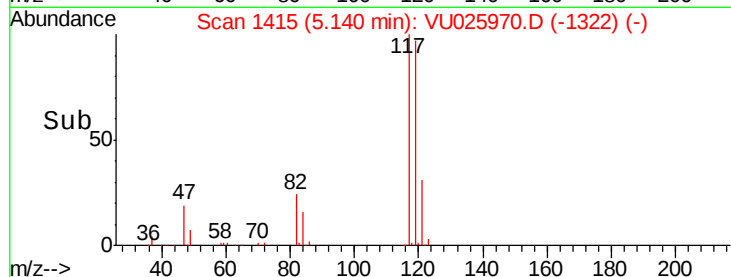
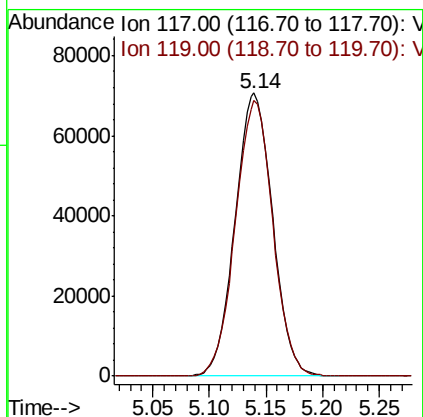
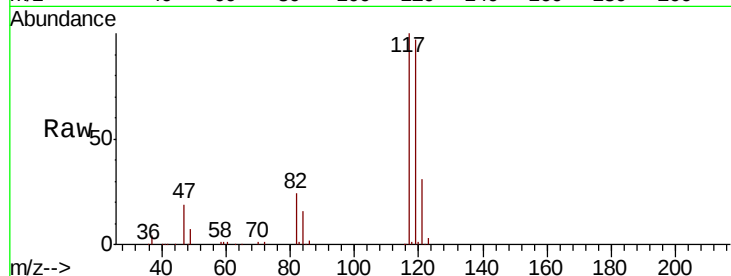




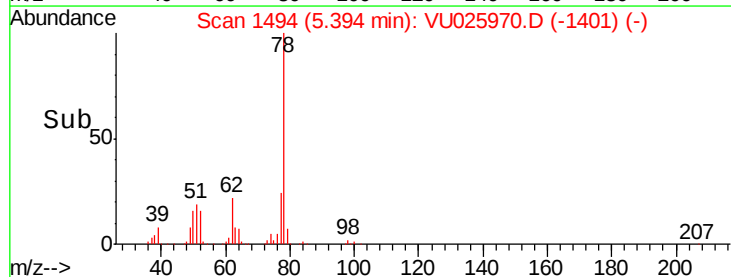
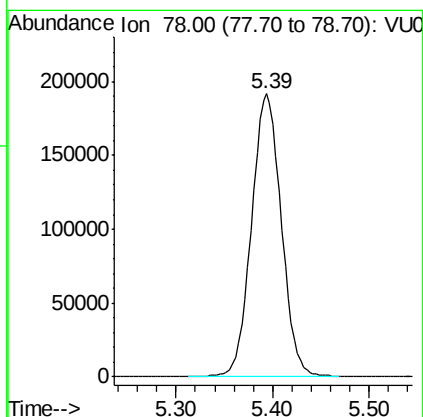
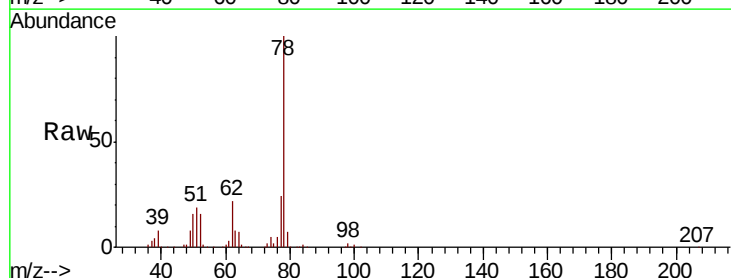
#31
Carbon tetrachloride
Concen: 55.071 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025970.D
Acq: 08 Aug 2018 04:59

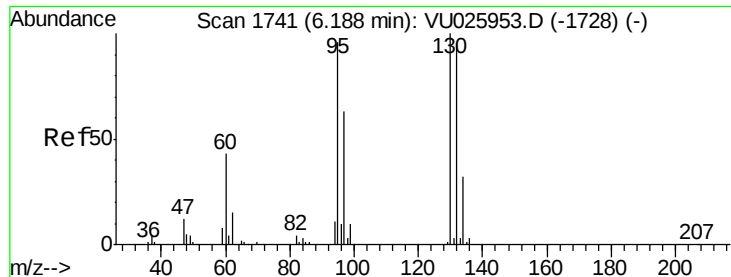
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion:117 Resp: 162918
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8



#33
Benzene
Concen: 54.060 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025970.D
Acq: 08 Aug 2018 04:59
Tgt Ion: 78 Resp: 410691

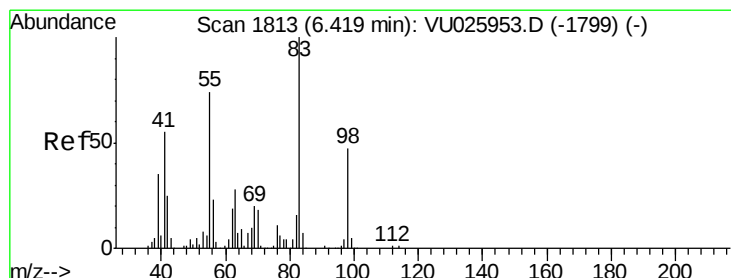
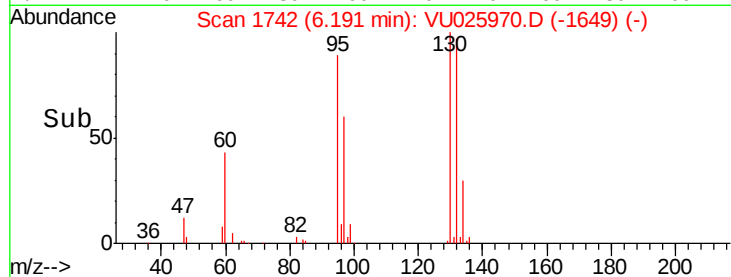
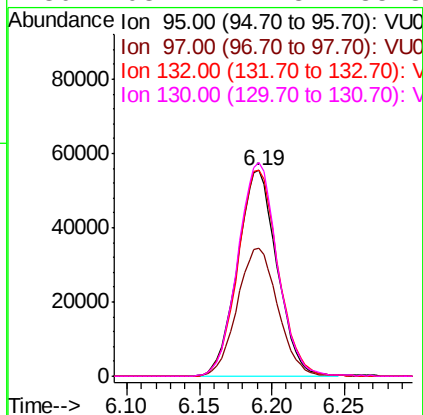
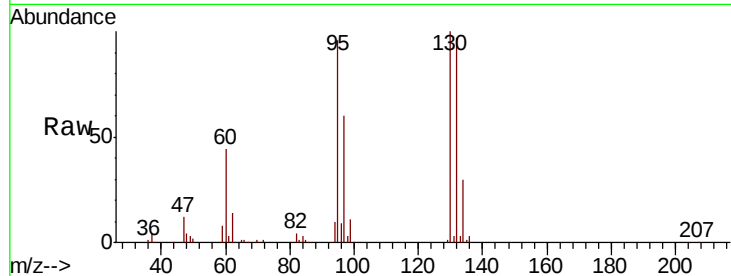




#34
 Trichloroethene
 Concen: 49.824 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

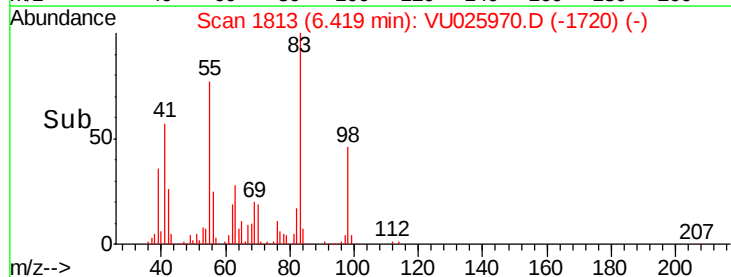
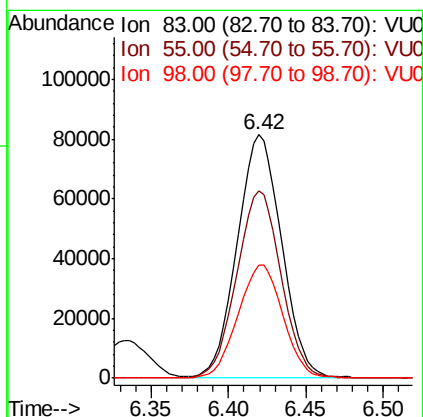
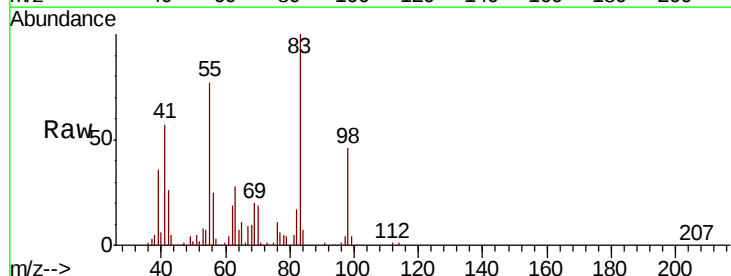
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

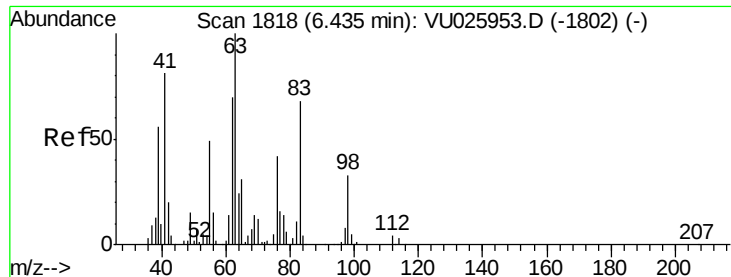
Tgt Ion:	95	Resp:	105334
Ion	Ratio	Lower	Upper
95	100		
97	62.2	46.6	86.6
132	100.4	73.3	136.1
130	103.7	74.8	138.8



#35
 Methylcyclohexane
 Concen: 50.759 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion:	83	Resp:	162425
Ion	Ratio	Lower	Upper
83	100		
55	77.0	58.3	87.5
98	47.1	37.8	56.6

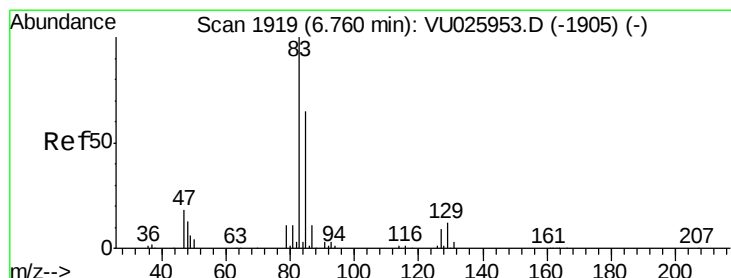
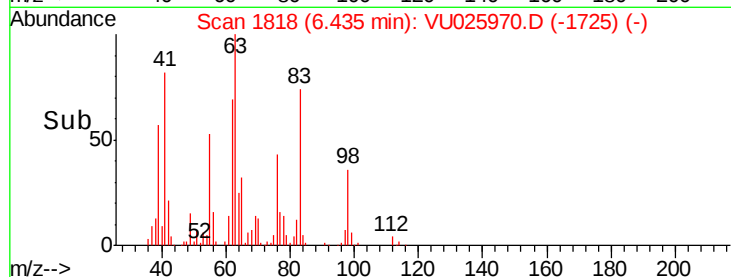
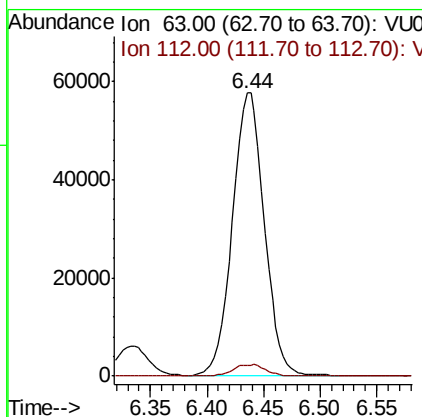
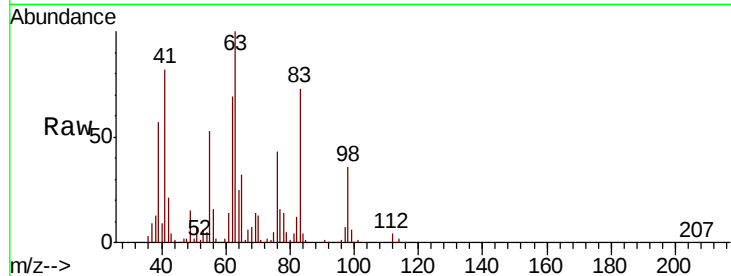




#37
 1,2-Dichloropropane
 Concen: 55.765 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

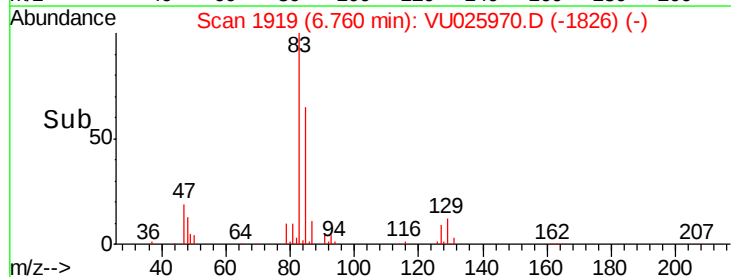
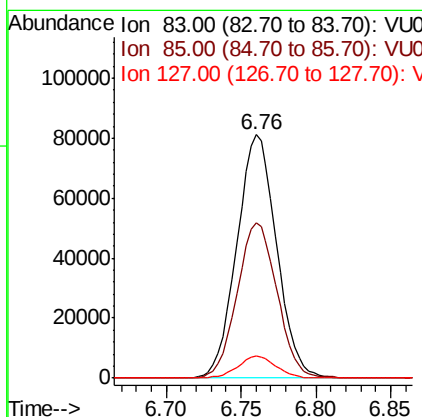
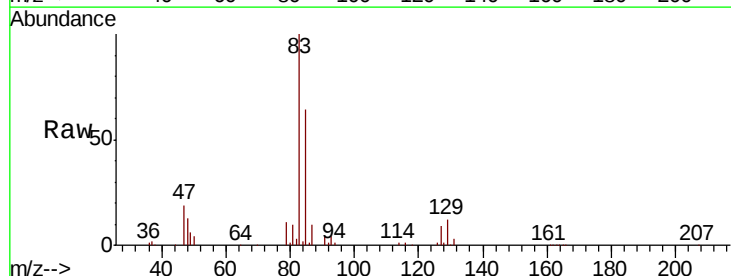
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

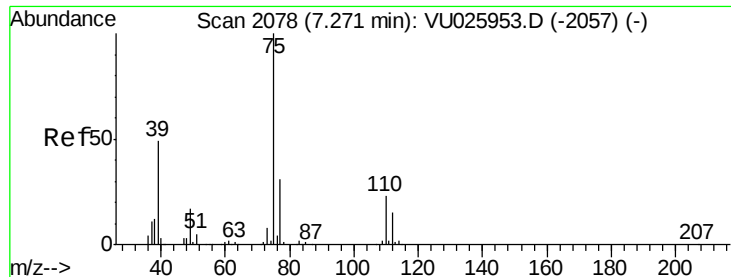
Tgt Ion: 63 Resp: 113184
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 54.365 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion: 83 Resp: 149994
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.2 84.0
 127 9.0 7.1 10.7

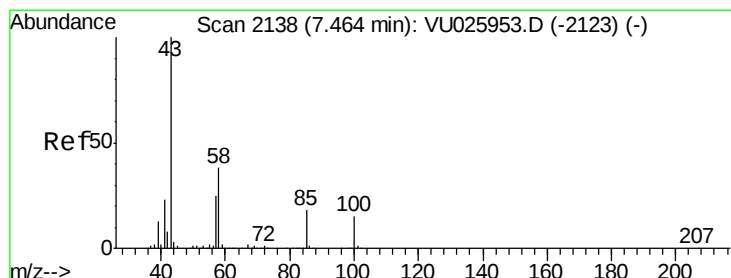
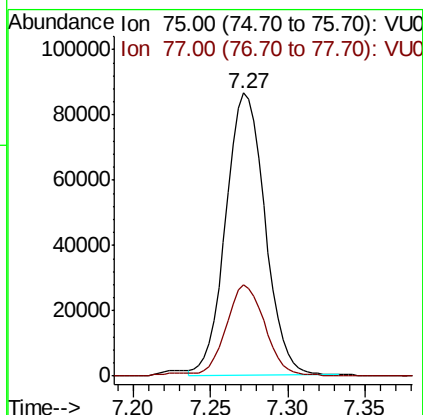
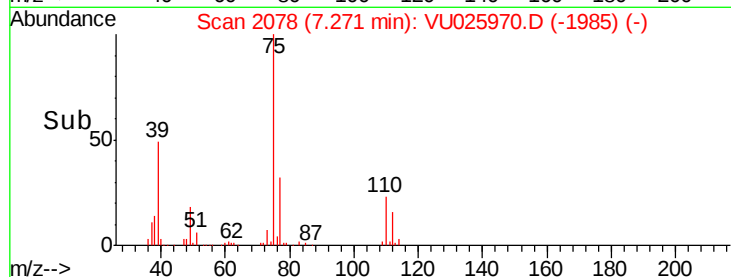
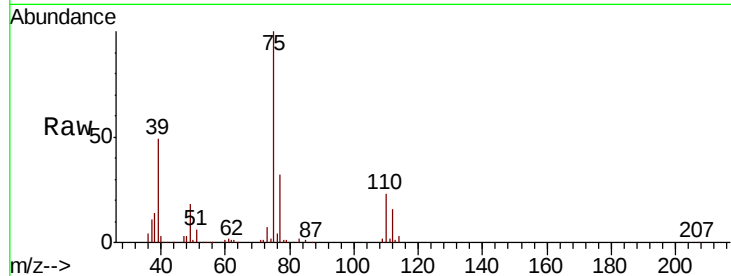




#39
 cis-1,3-Dichloropropene
 Concen: 46.112 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

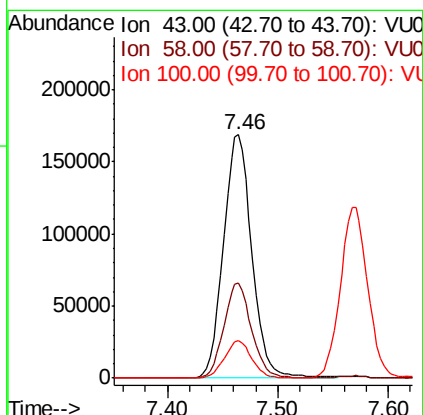
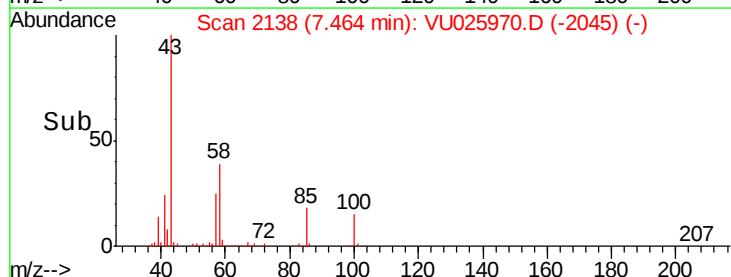
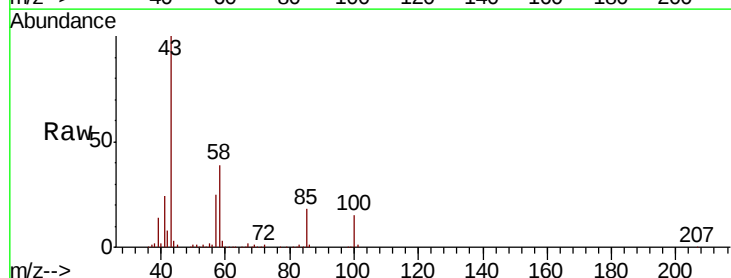
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

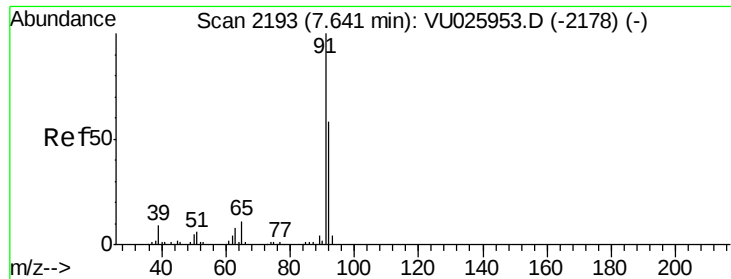
Tgt Ion: 75 Resp: 152439
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 109.000 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion: 43 Resp: 301665
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.0 46.4
 100 14.8 12.4 18.6





#42

Toluene

Concen: 52.750 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

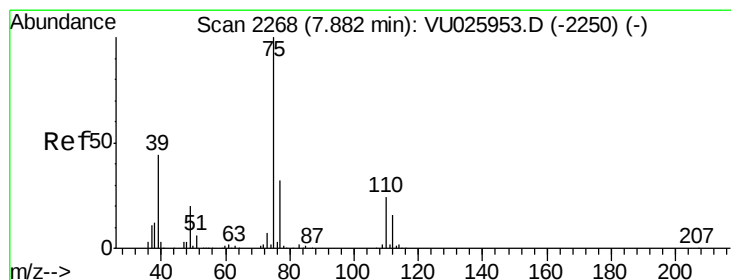
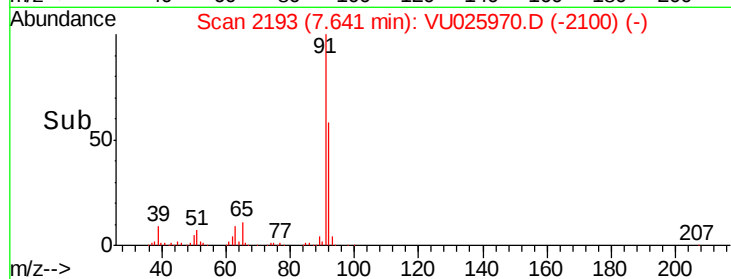
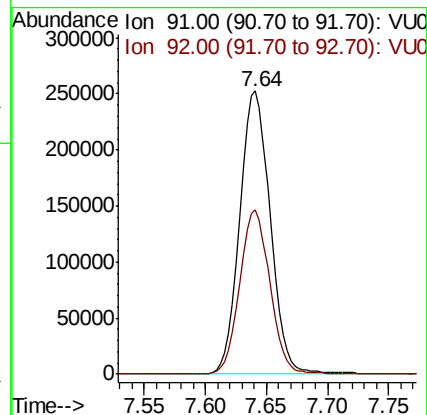
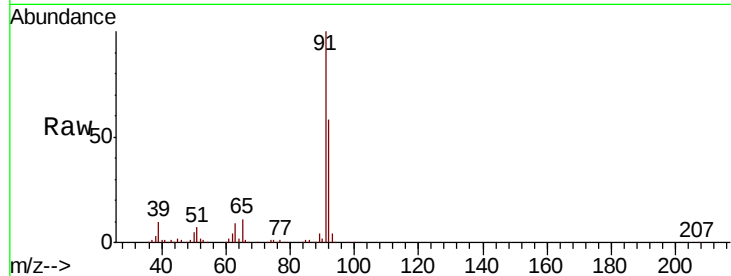
VSTD05047

Tgt Ion: 91 Resp: 437327

Ion Ratio Lower Upper

91 100

92 57.9 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 48.160 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025970.D

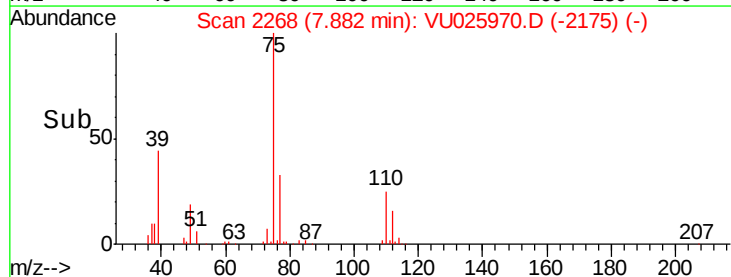
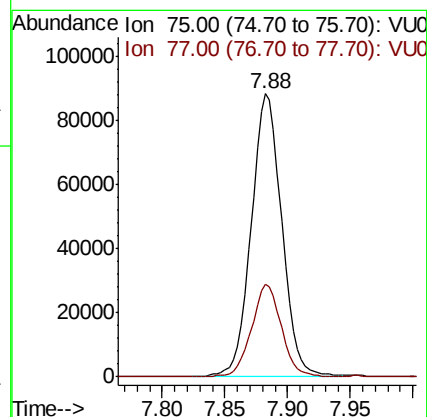
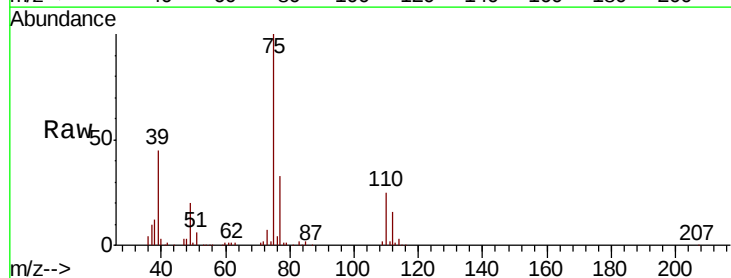
Acq: 08 Aug 2018 04:59

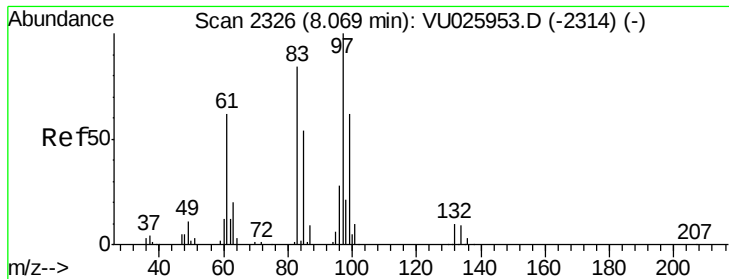
Tgt Ion: 75 Resp: 150483

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.3

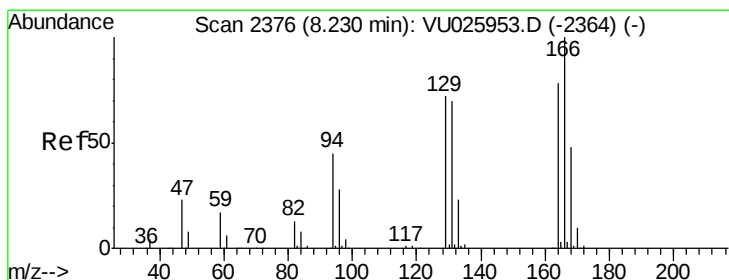
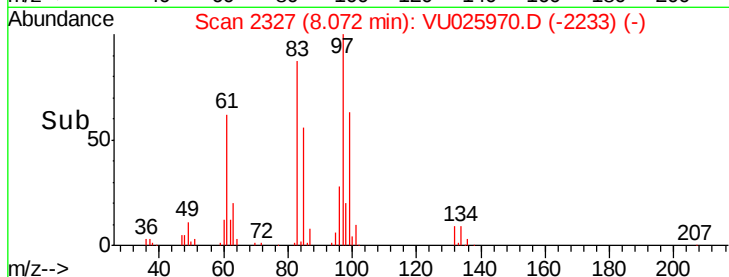
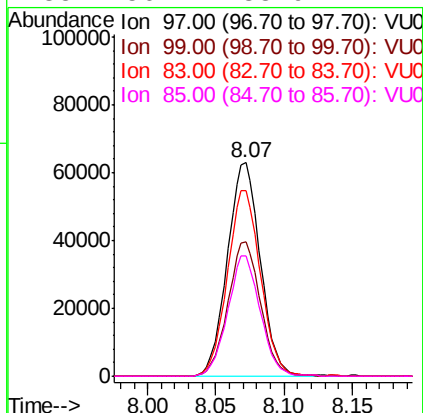
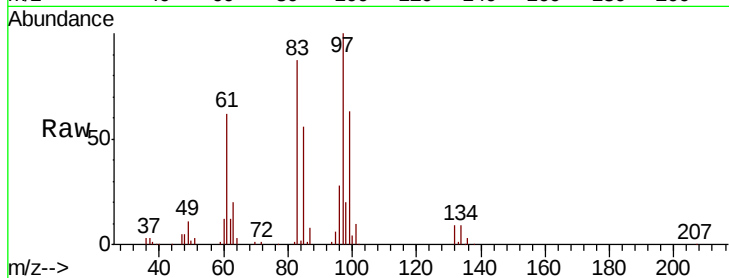




#45
 1,1,2-Trichloroethane
 Concen: 54.534 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

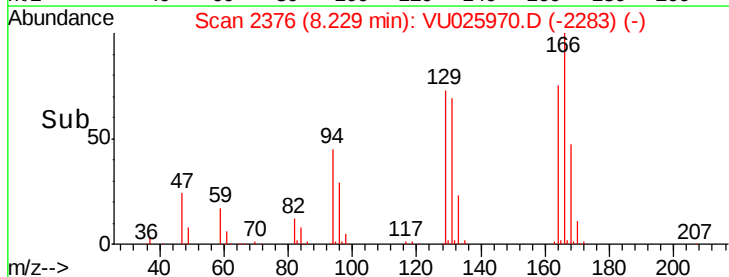
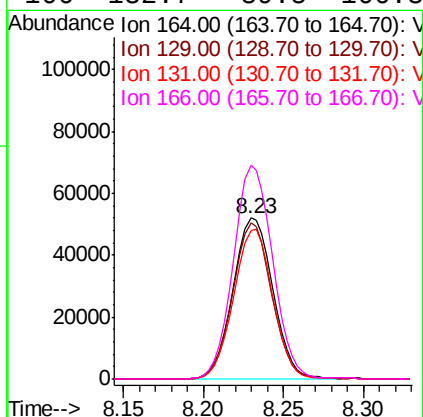
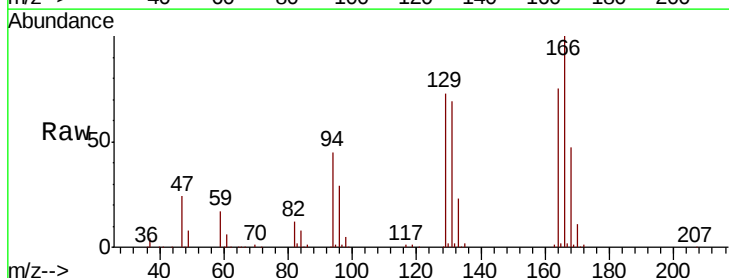
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

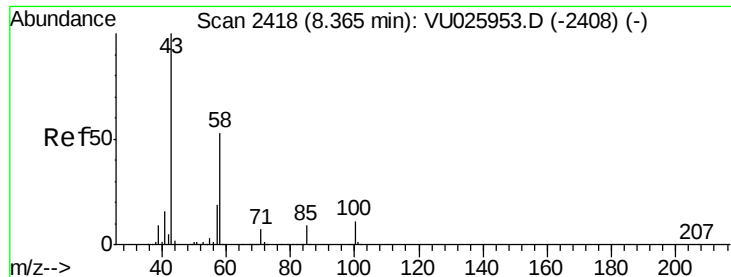
Tgt Ion:	97	Resp:	105725
Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.6	79.0
83	87.2	59.6	110.6
85	56.2	38.9	72.2



#46
 Tetrachloroethene
 Concen: 48.871 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion:	164	Resp:	88802
Ion	Ratio	Lower	Upper
164	100		
129	96.7	64.8	120.3
131	92.2	63.1	117.3
166	132.7	89.5	166.3

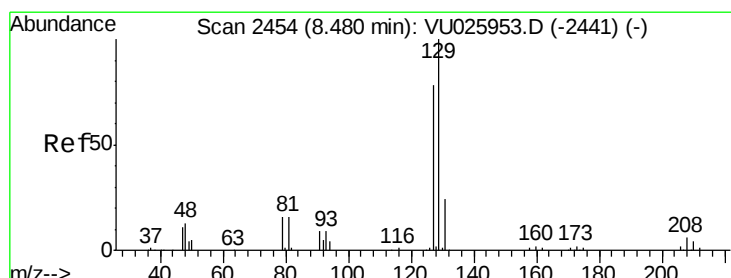
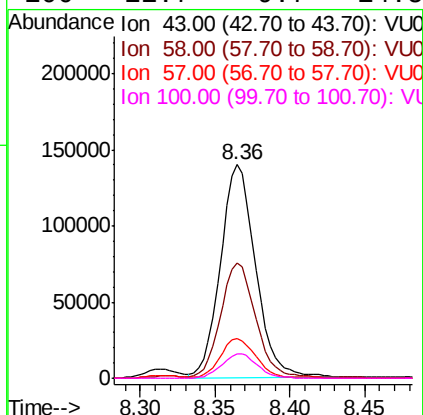
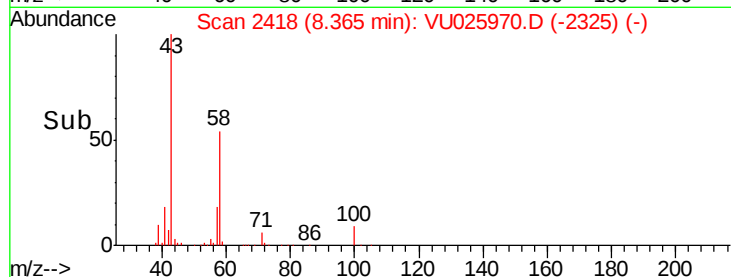
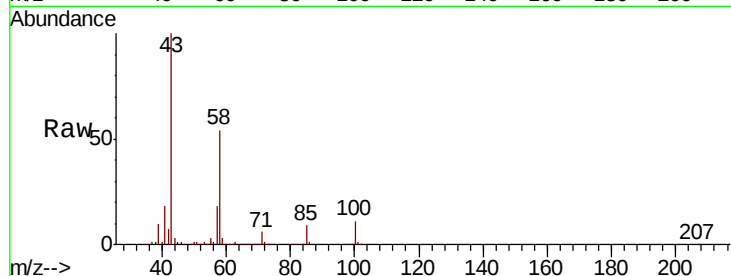




#48
2-Hexanone
Concen: 101.834 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025970.D
Acq: 08 Aug 2018 04:59

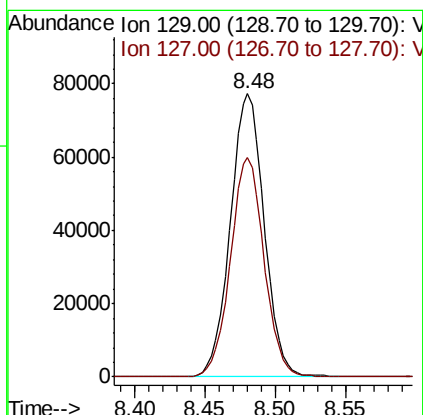
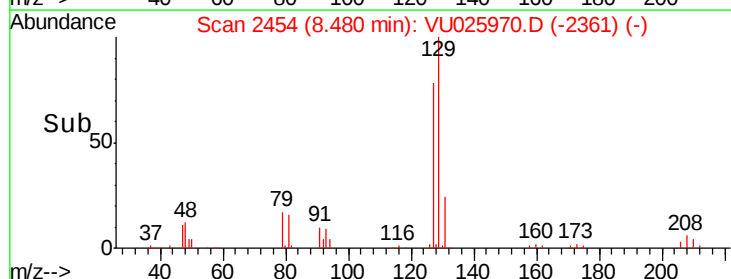
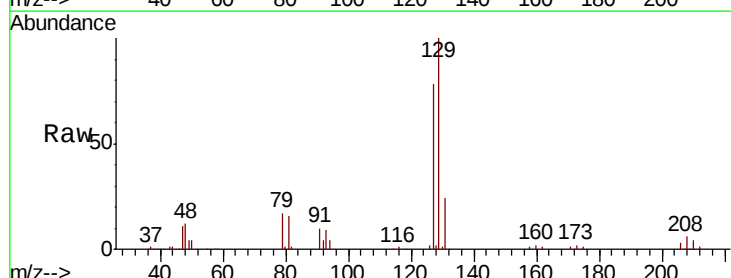
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

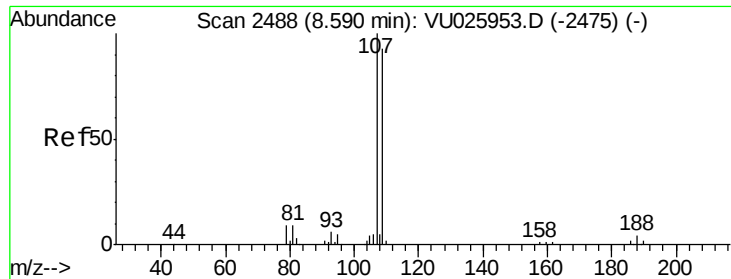
Tgt Ion:	43	Resp:	227372
Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.3	64.9
57	19.4	15.0	22.6
100	11.7	9.7	14.5



#49
Dibromochloromethane
Concen: 54.562 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025970.D
Acq: 08 Aug 2018 04:59

Tgt Ion:	129	Resp:	129930
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.3	100.8

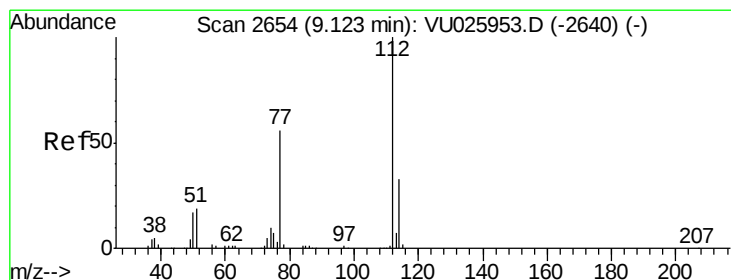
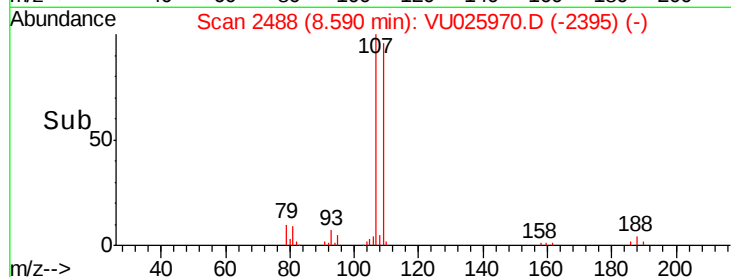
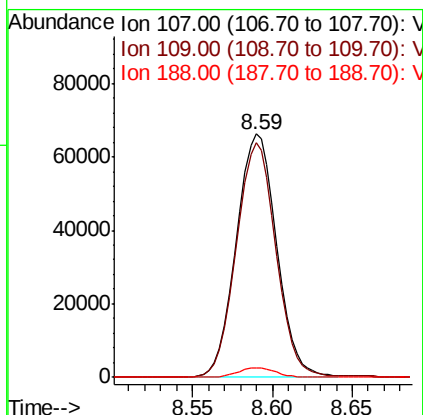
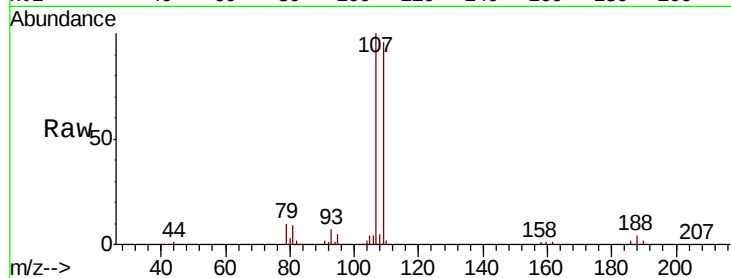




#50
 1,2-Dibromoethane
 Concen: 52.405 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

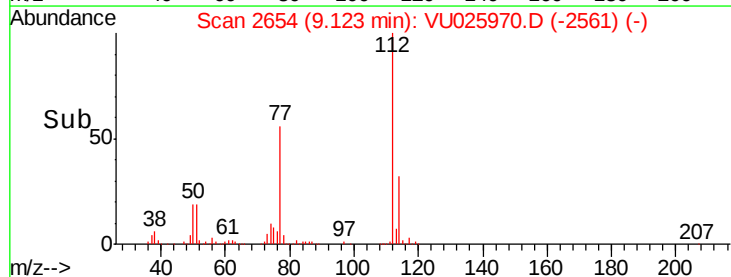
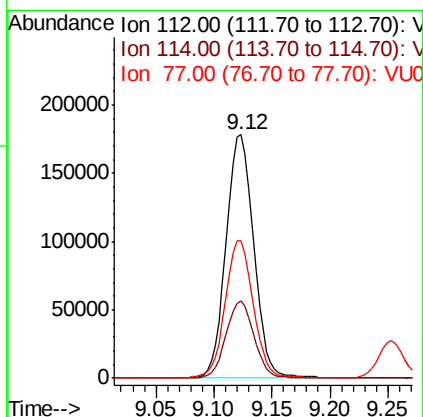
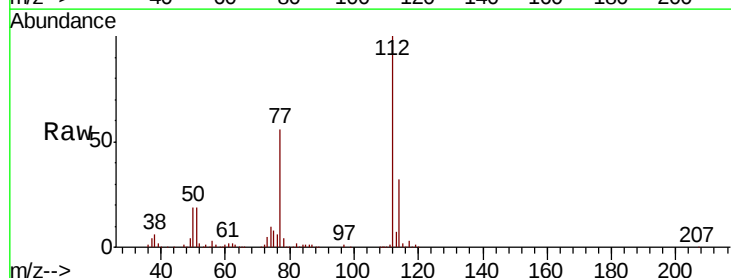
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

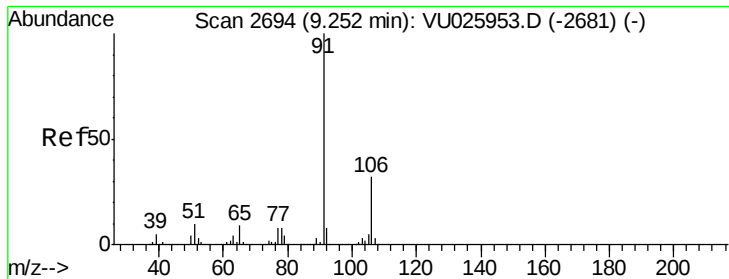
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.4	65.1	120.9
188	3.8	3.4	5.2



#51
 Chlorobenzene
 Concen: 51.868 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.9	42.5
77	56.2	46.6	70.0





#52

Ethylbenzene

Concen: 50.729 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

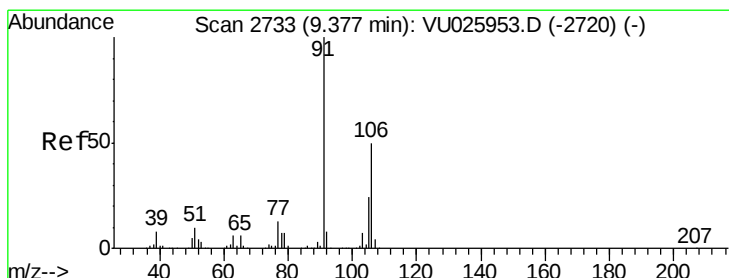
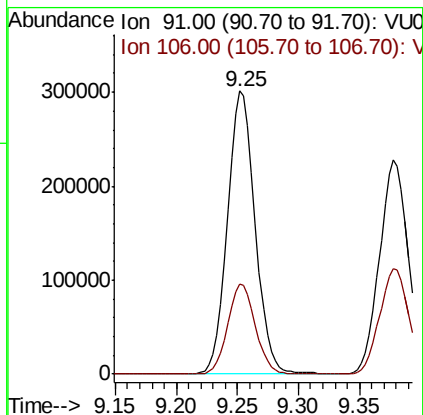
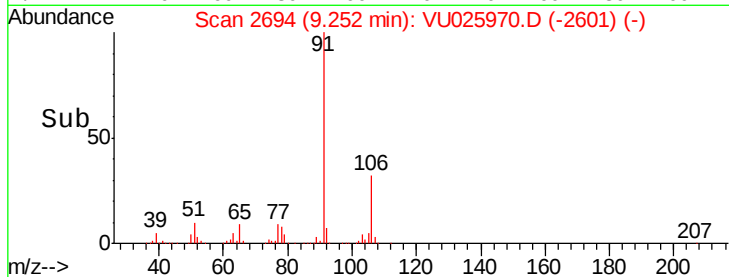
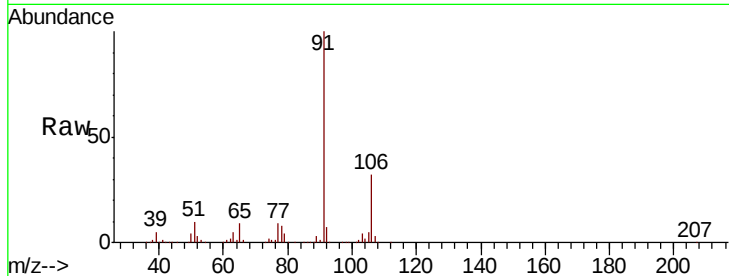
VSTD05047

Tgt Ion: 91 Resp: 478488

Ion Ratio Lower Upper

91 100

106 31.8 22.1 41.1



#53

m,p-Xylene

Concen: 50.538 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025970.D

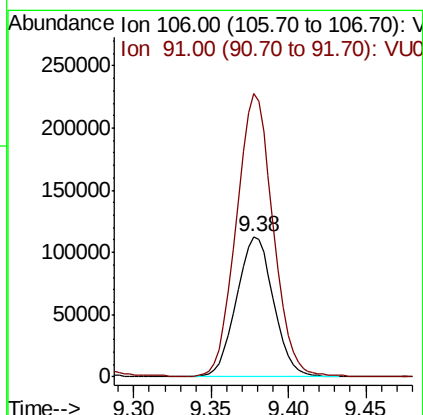
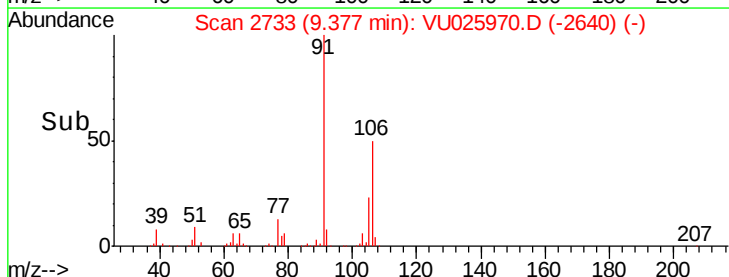
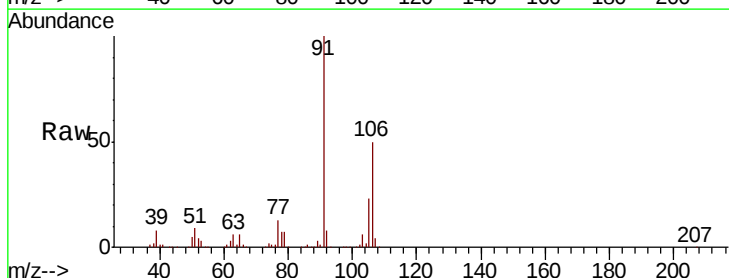
Acq: 08 Aug 2018 04:59

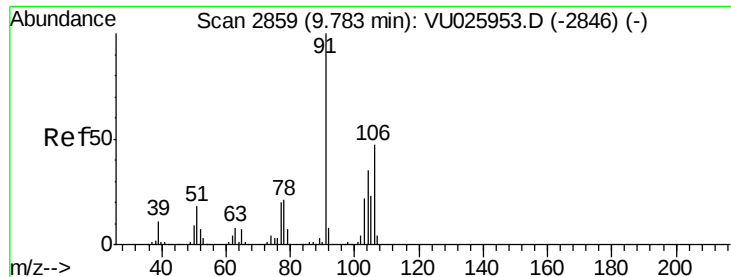
Tgt Ion: 106 Resp: 186996

Ion Ratio Lower Upper

106 100

91 201.9 137.8 255.8





#54

o-xylene

Concen: 52.486 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

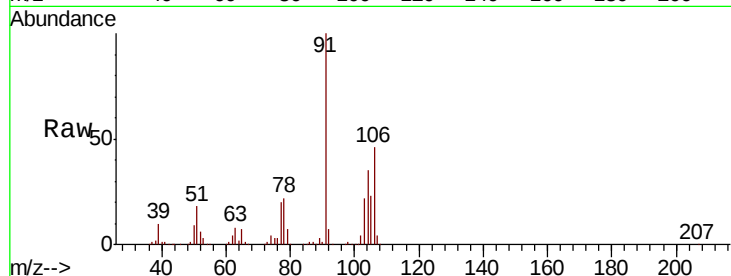
VSTD05047

Tgt Ion:106 Resp: 184924

Ion Ratio Lower Upper

106 100

91 217.4 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

250000

200000

150000

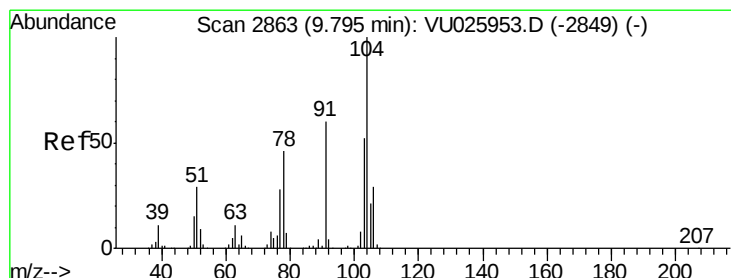
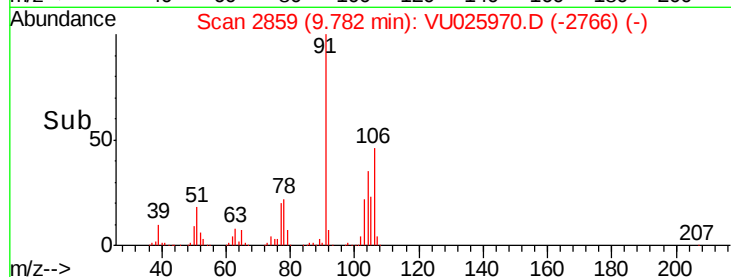
100000

50000

0

9.70 9.75 9.80 9.85 9.90

Time-->



#55

Styrene

Concen: 52.245 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025970.D

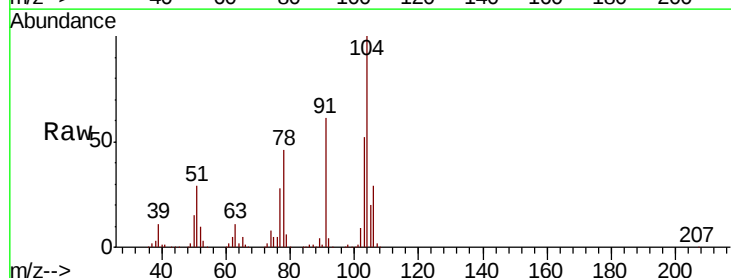
Acq: 08 Aug 2018 04:59

Tgt Ion:104 Resp: 310159

Ion Ratio Lower Upper

104 100

78 45.7 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

200000

150000

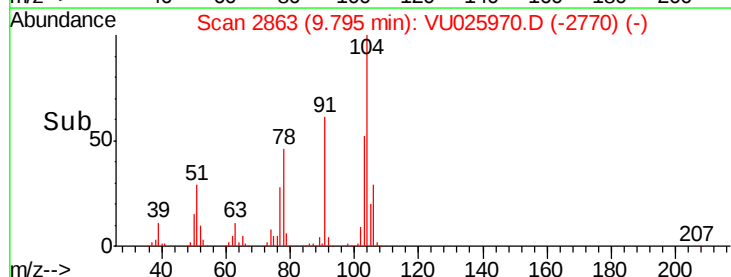
100000

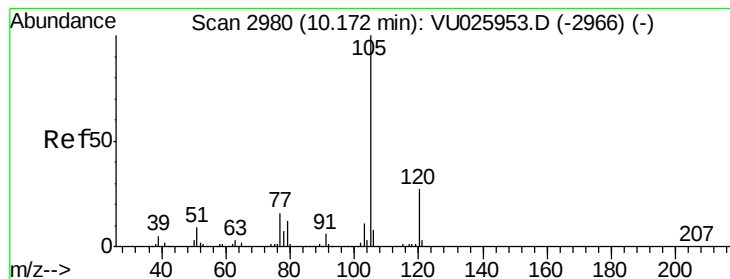
50000

0

9.70 9.75 9.80 9.85 9.90

Time-->





#56

Isopropylbenzene

Concen: 51.354 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

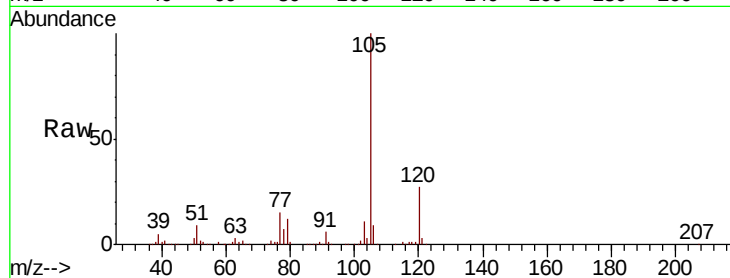
Tgt Ion:105 Resp: 480890

Ion Ratio Lower Upper

105 100

120 26.7 21.7 32.5

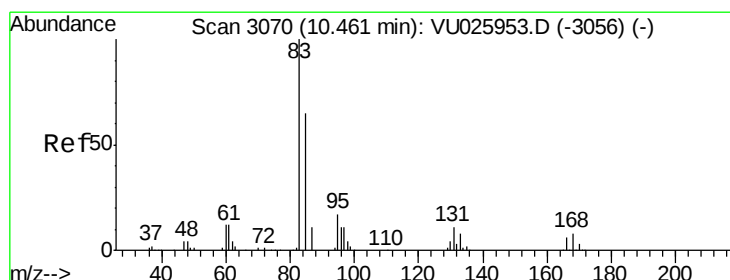
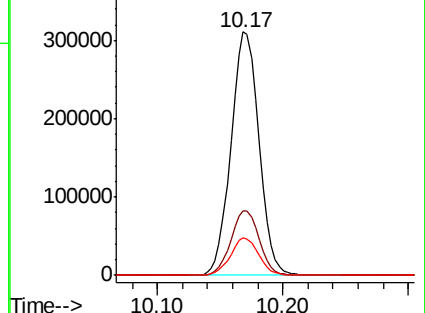
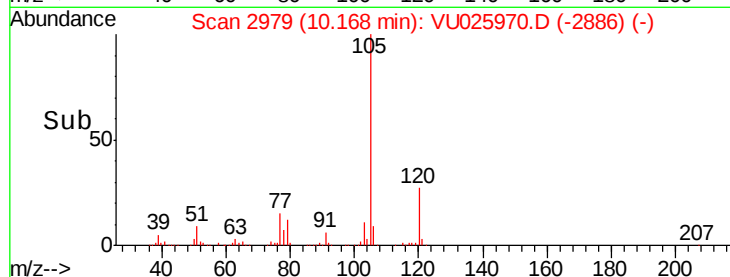
77 15.5 12.1 18.1



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: 53.213 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

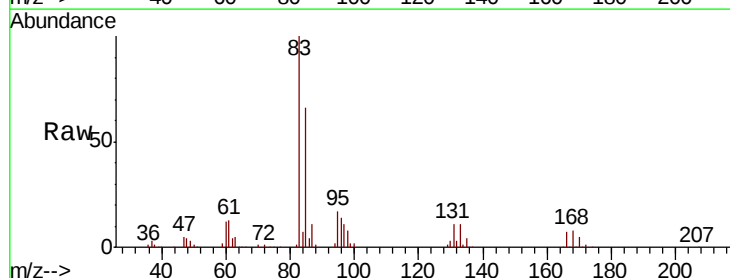
Tgt Ion: 83 Resp: 173442

Ion Ratio Lower Upper

83 100

85 66.3 44.5 82.7

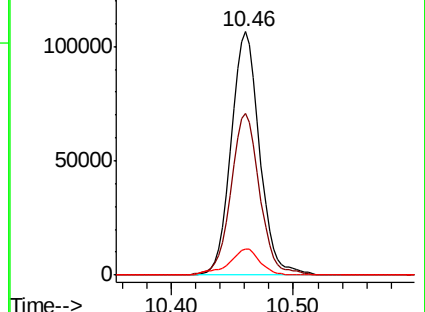
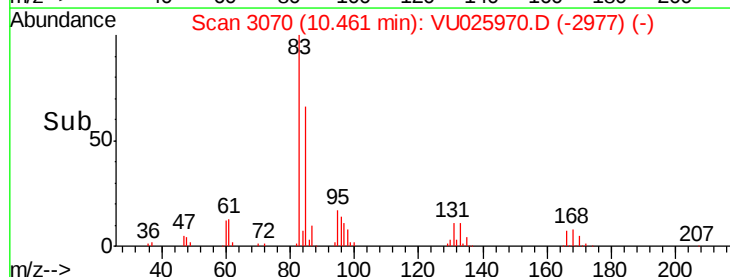
131 10.9 8.6 12.8

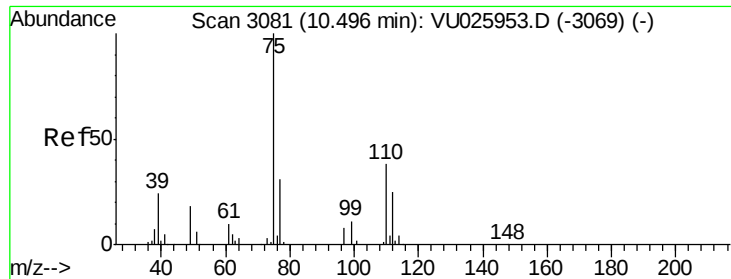


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

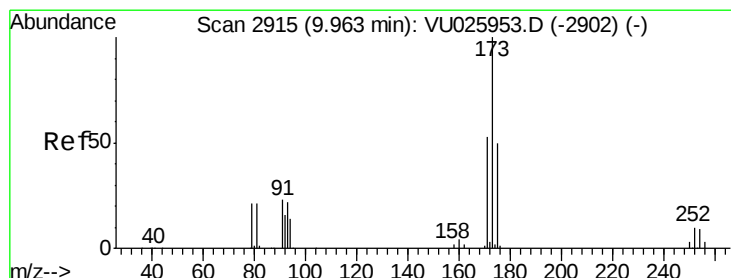
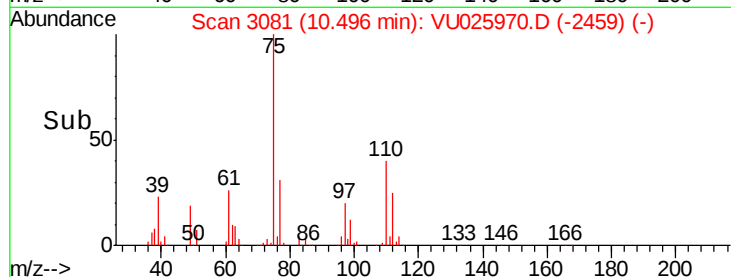
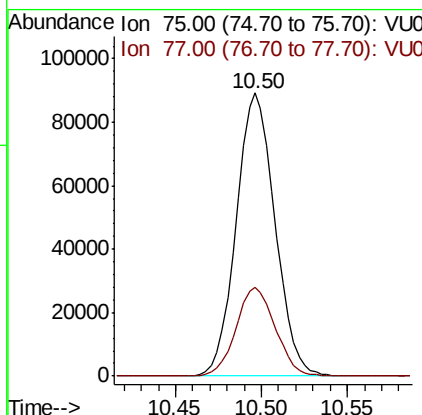
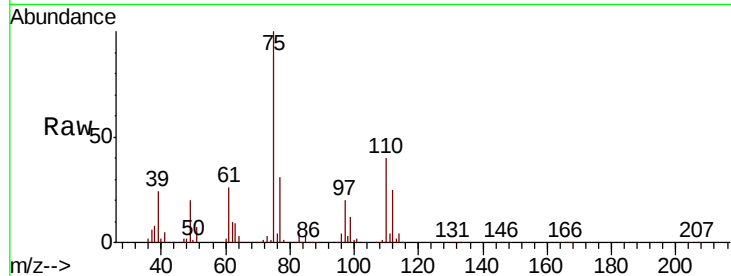




#59
 1,2,3-Trichloropropane
 Concen: 54.165 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

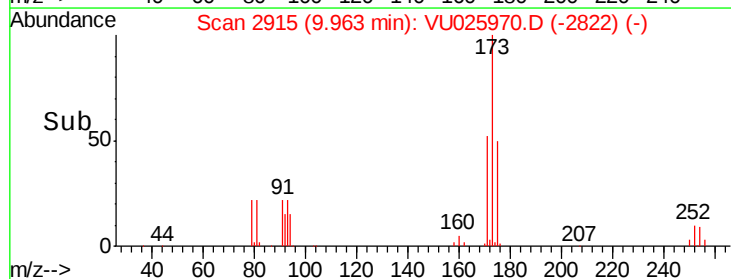
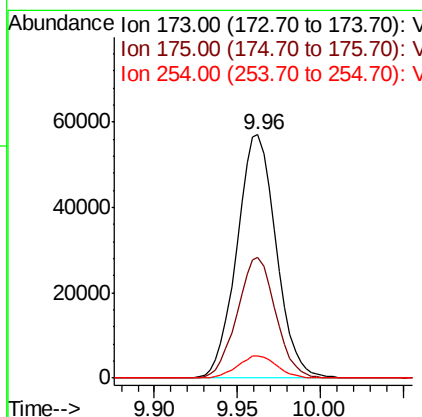
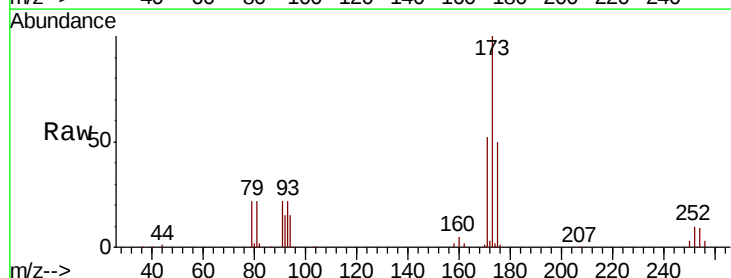
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

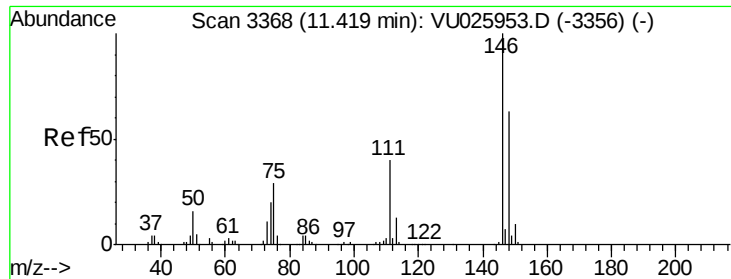
Tgt Ion: 75 Resp: 139918
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#61
 Bromoform
 Concen: 57.193 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion: 173 Resp: 93976
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.8 58.2
 254 9.2 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 51.013 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

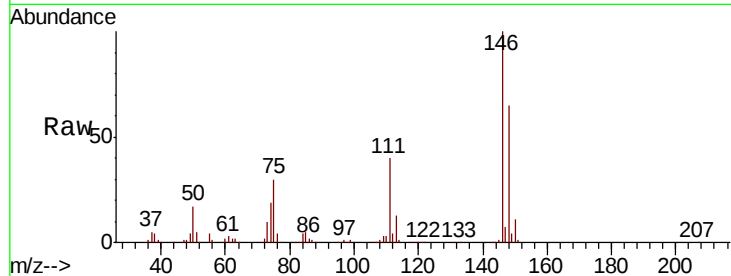
Tgt Ion:146 Resp: 219606

Ion Ratio Lower Upper

146 100

111 40.0 27.5 51.1

148 65.0 44.6 82.8

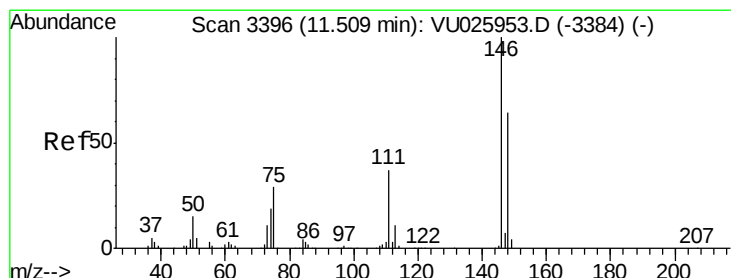
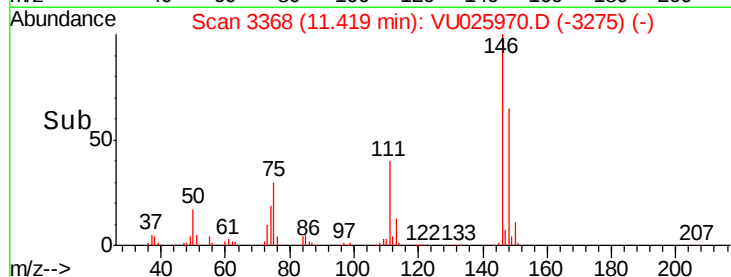
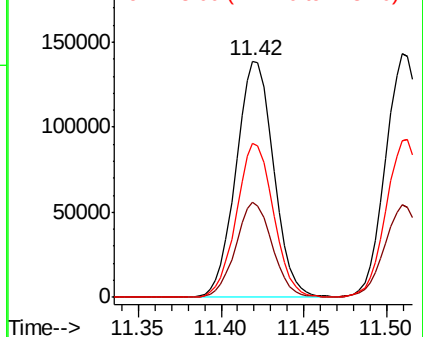


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.501 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

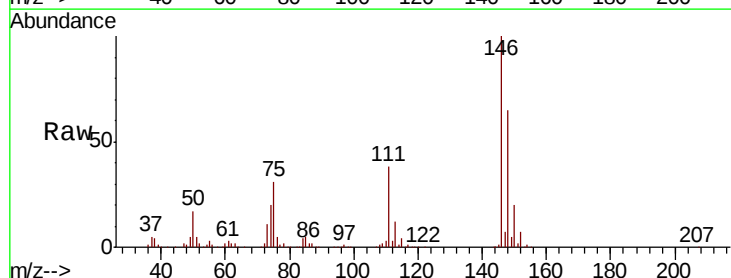
Tgt Ion:146 Resp: 225873

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

148 64.6 45.2 84.0

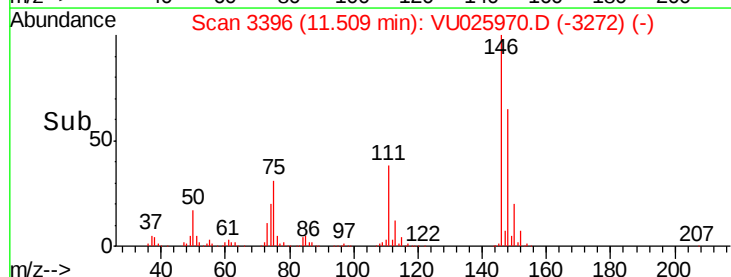
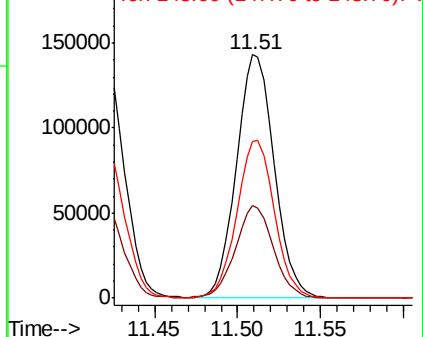


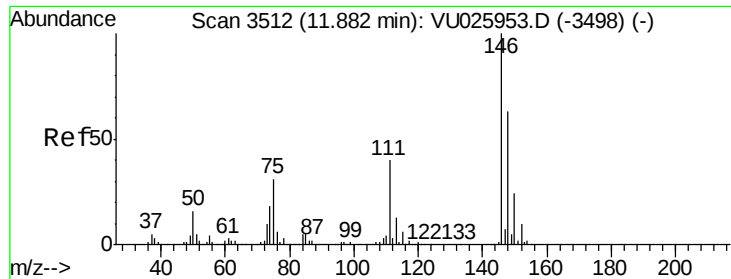
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

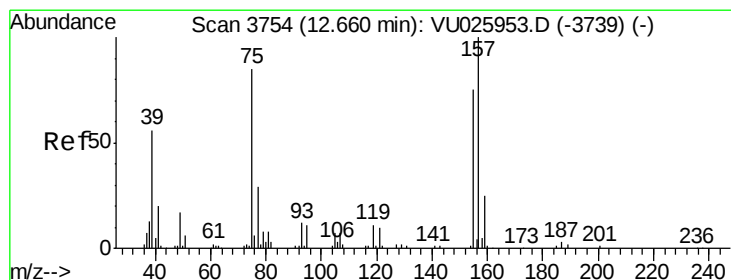
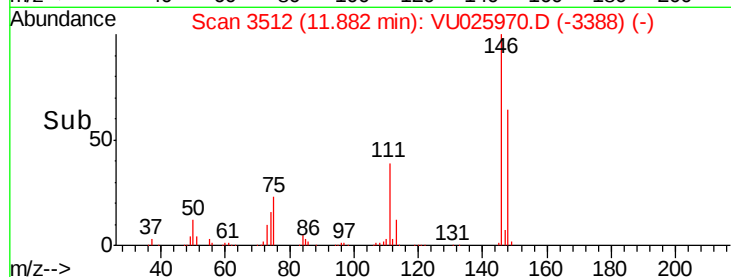
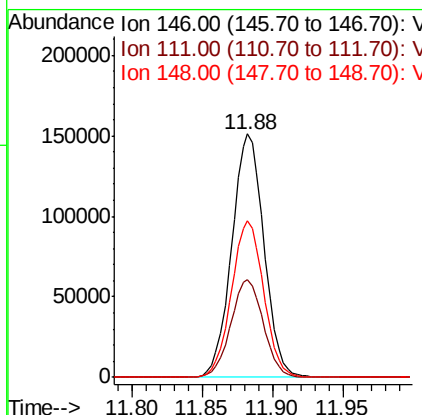
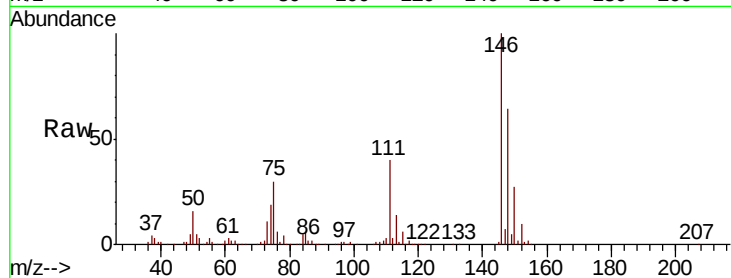




#65
 1,2-Dichlorobenzene
 Concen: 55.920 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

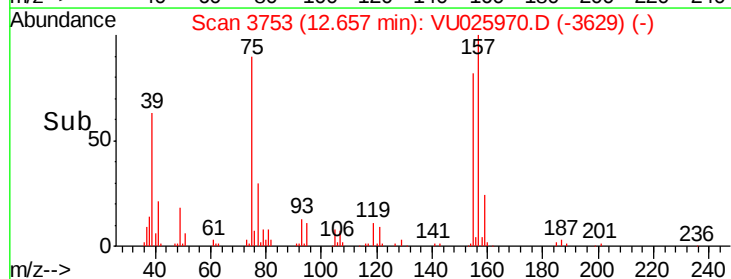
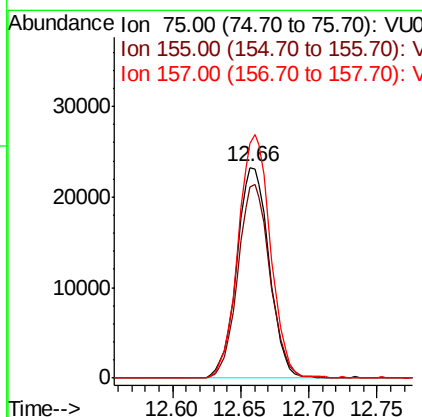
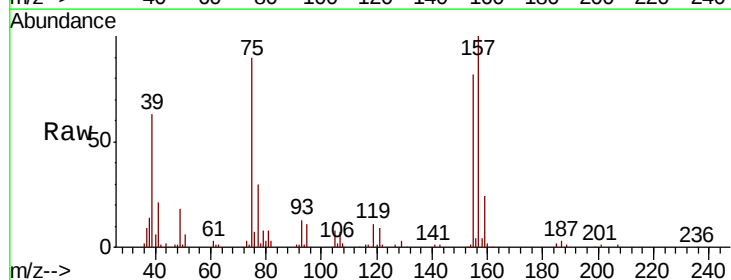
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

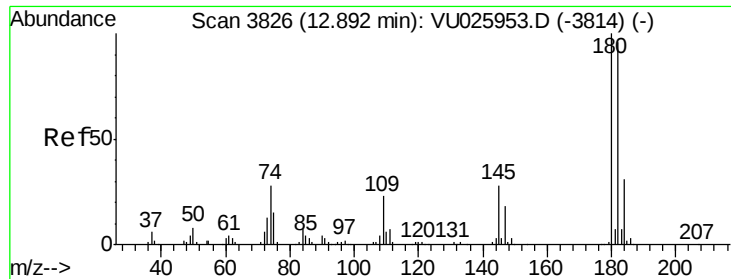
Tgt Ion: 146 Resp: 241377
 Ion Ratio Lower Upper
 146 100
 111 40.0 33.4 50.0
 148 64.2 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 58.220 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion: 75 Resp: 38191
 Ion Ratio Lower Upper
 75 100
 155 90.9 71.4 107.2
 157 111.5 92.0 138.0

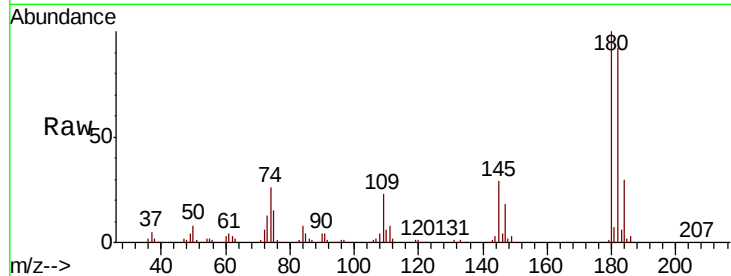




#67
 1,3,5-Trichlorobenzene
 Concen: 51.197 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.8	116.6
184	30.3	24.6	37.0
145	29.0	23.4	35.0



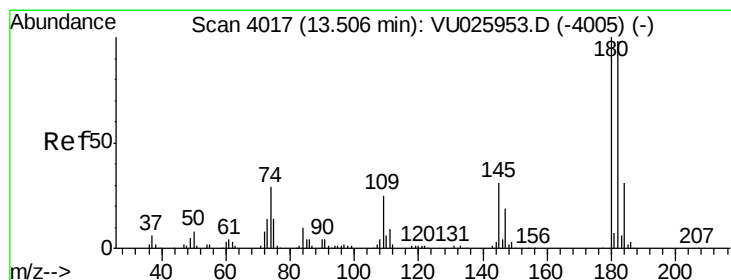
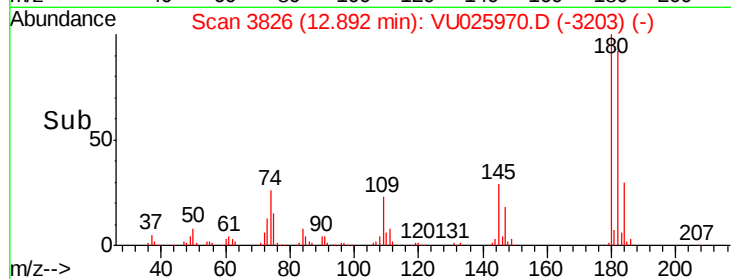
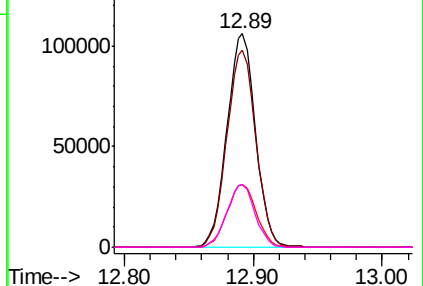
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

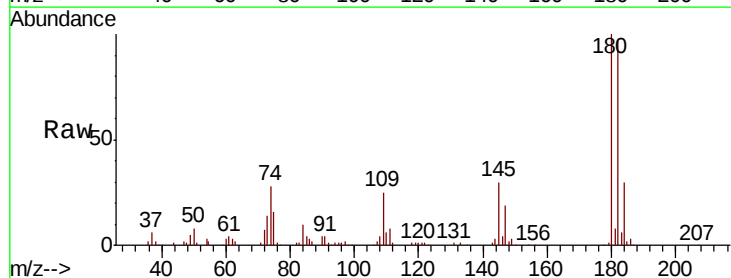
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.357 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025970.D
 Acq: 08 Aug 2018 04:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.3	112.9
145	30.5	23.1	34.7

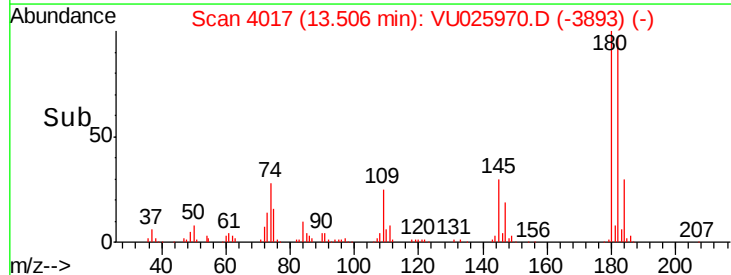
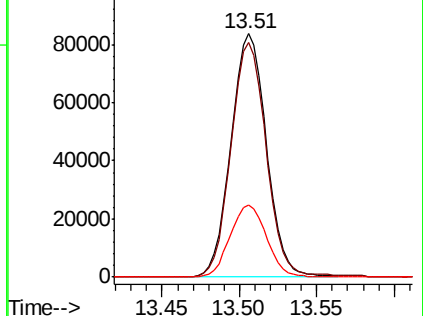


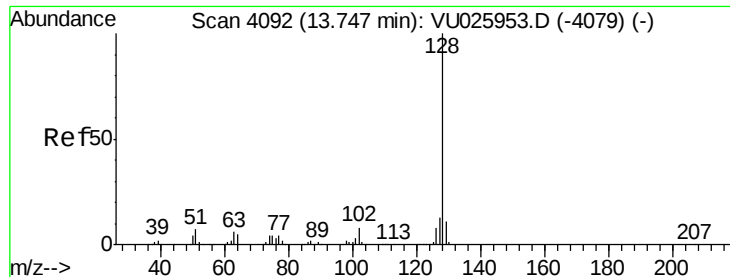
Abundance

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: 50.002 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

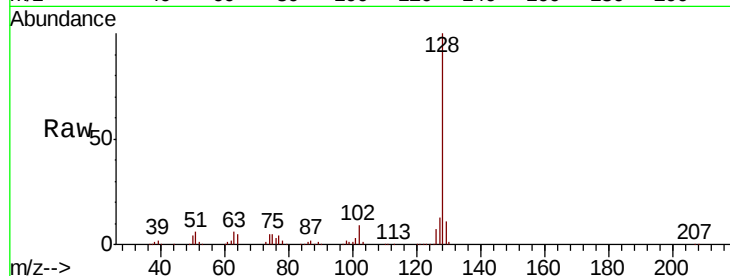
Tgt Ion:128 Resp: 404549

Ion Ratio Lower Upper

128 100

127 12.6 9.8 14.8

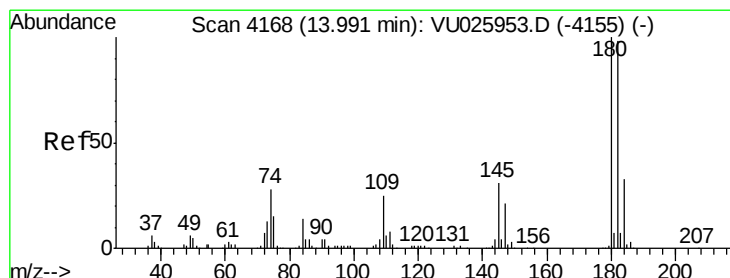
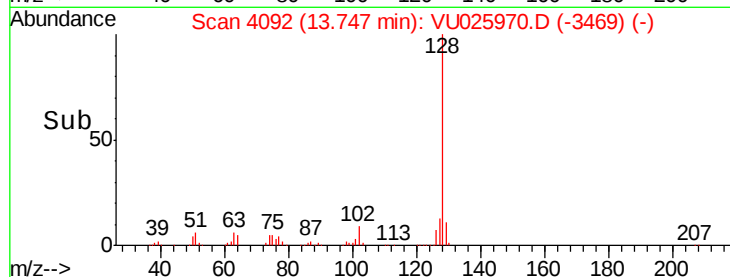
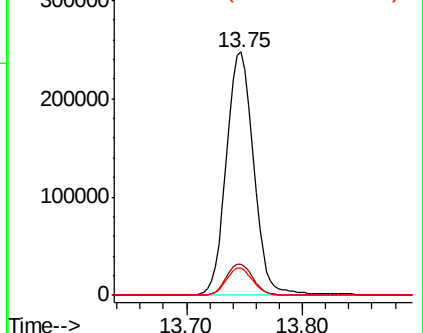
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.836 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025970.D

Acq: 08 Aug 2018 04:59

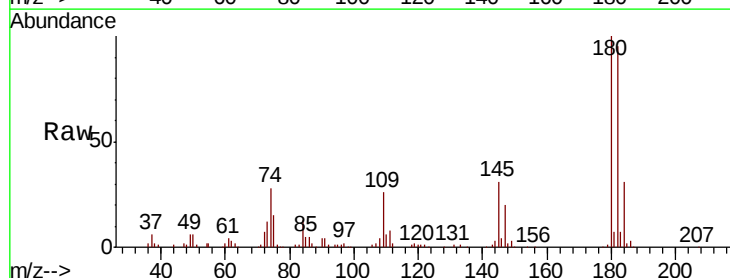
Tgt Ion:180 Resp: 140572

Ion Ratio Lower Upper

180 100

182 96.6 77.6 116.4

145 31.0 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

