

Data File : VU026925.D
Acq On : 20 Sep 2018 09:42
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Sep 21 04:22:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 20 02:30:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	236518	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	225190	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117769	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76190	43.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.10%
7) Chloroethane-d5	1.67	69	63574	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.90%
11) 1,1-Dichloroethene-d2	2.27	63	147231	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.94%
21) 2-Butanone-d5	4.18	46	108359	93.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.33%
24) Chloroform-d	4.65	84	136760	42.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.28%
26) 1,2-Dichloroethane-d4	5.31	65	84772	41.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.96%
32) Benzene-d6	5.34	84	276504	43.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.62%
36) 1,2-Dichloropropane-d6	6.33	67	87558	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.12%
41) Toluene-d8	7.57	98	255583	44.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.66%
43) trans-1,3-Dichloropropene-	7.85	79	40659	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.56%
47) 2-Hexanone-d5	8.31	63	79840	99.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	121200	42.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	105207	42.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.88%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	112802	50.464	ug/L	100
3) Chloromethane	1.33	50	114404	50.175	ug/L	100
5) Vinyl chloride	1.40	62	113459	51.132	ug/L	100
6) Bromomethane	1.62	94	56971	51.983	ug/L	98
8) Chloroethane	1.70	64	70090	50.406	ug/L	98
9) Trichlorofluoromethane	1.88	101	144044	52.248	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	86301	52.844	ug/L	99
12) 1,1-Dichloroethene	2.28	96	78208	50.990	ug/L	92
13) Acetone	2.32	43	133127	116.655	ug/L	98
14) Carbon disulfide	2.48	76	245762	46.432	ug/L	100
15) Methyl Acetate	2.61	43	104109	52.653	ug/L	100
16) Methylene chloride	2.70	84	96714	49.603	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	83587	49.481	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	270362	54.730	ug/L	99
19) 1,1-Dichloroethane	3.45	63	161660	49.617	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	94241	50.725	ug/L	98
22) 2-Butanone	4.26	43	157696	112.054	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	50988	50.828	ug/L	98
25) Chloroform	4.67	83	163353	49.500	ug/L	98
27) 1,2-Dichloroethane	5.40	62	128117	49.750	ug/L	99
29) Cyclohexane	5.00	56	143062	54.715	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	137302	51.251	ug/L	98
31) Carbon tetrachloride	5.14	117	122427	50.995	ug/L	100
33) Benzene	5.39	78	360328	51.610	ug/L	100
34) Trichloroethene	6.19	95	85192	50.850	ug/L	98
35) Methylcyclohexane	6.42	83	148009	54.196	ug/L	99
37) 1,2-Dichloropropane	6.43	63	99026	51.633	ug/L	100
38) Bromodichloromethane	6.76	83	121815	51.217	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	144811	53.452	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	257579	113.030	ug/L	99
42) Toluene	7.64	91	374798	53.048	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	136011	53.618	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	91825	52.515	ug/L	98
46) Tetrachloroethene	8.23	164	78971	53.172	ug/L	99
48) 2-Hexanone	8.36	43	207766	113.026	ug/L	98
49) Dibromochloromethane	8.48	129	103528	52.306	ug/L	99
50) 1,2-Dibromoethane	8.59	107	95825	52.567	ug/L	98
51) Chlorobenzene	9.12	112	245738	51.259	ug/L	99
52) Ethylbenzene	9.25	91	402993	54.452	ug/L	99
53) m,p-Xylene	9.38	106	157849	55.481	ug/L	98
54) o-xylene	9.78	106	158689	57.245	ug/L	99
55) Styrene	9.79	104	272108	56.854	ug/L	99
56) Isopropylbenzene	10.17	105	400555	56.567	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	151670	51.571	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	118224	51.462	ug/L	99
61) Bromoform	9.96	173	78732	50.838	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	191298	53.284	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	200807	50.796	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	207463	52.189	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	30517	50.602	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	154148	55.485	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	132490	55.341	ug/L	99
69) Naphthalene	13.74	128	417541	59.200	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	148328	56.262	ug/L	99

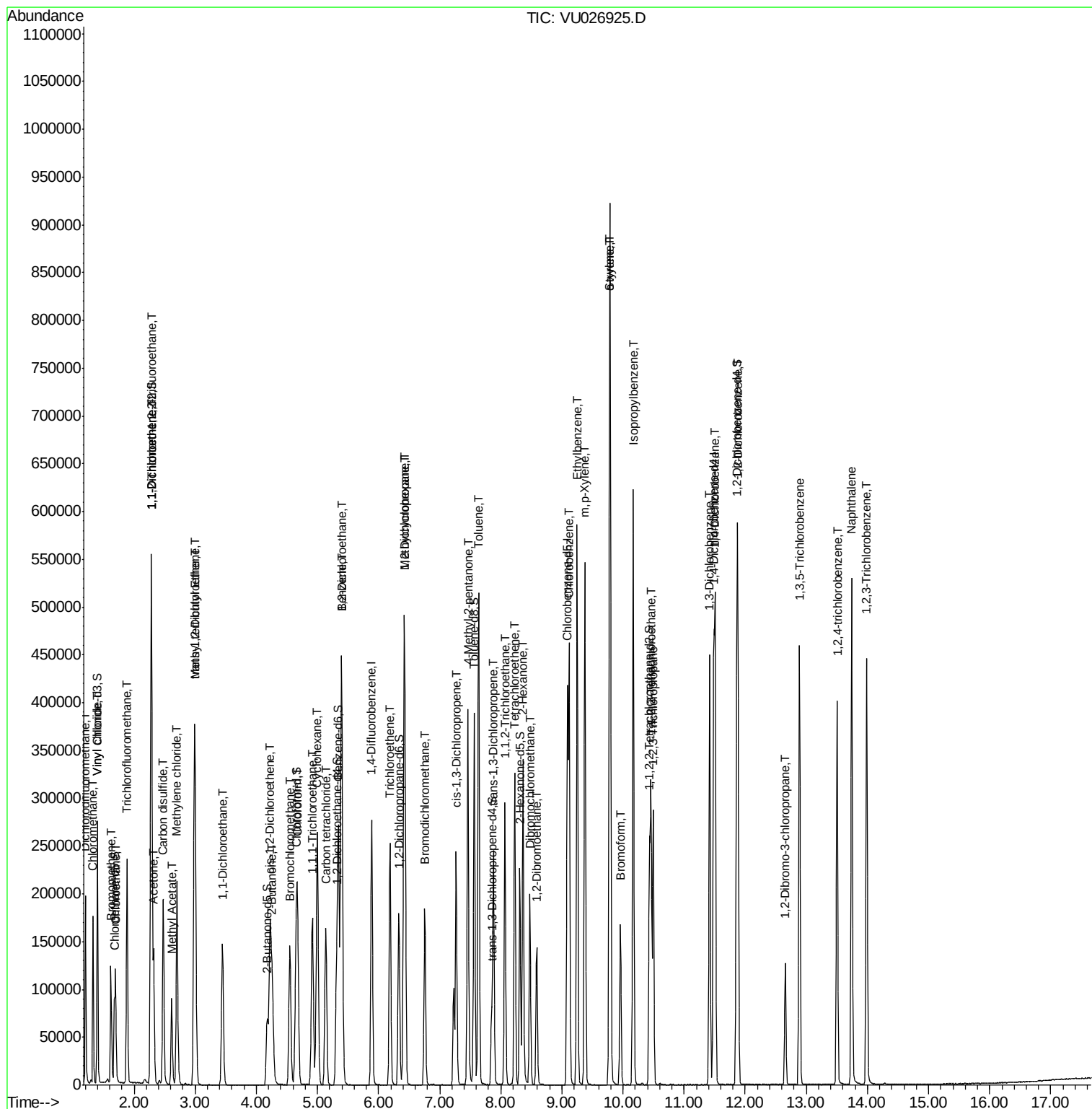
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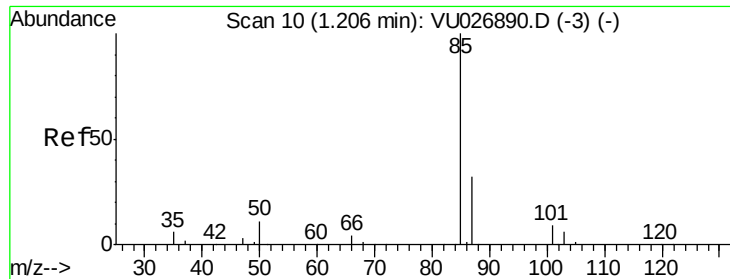
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#2

Dichlorodifluoromethane

Concen: 50.464 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

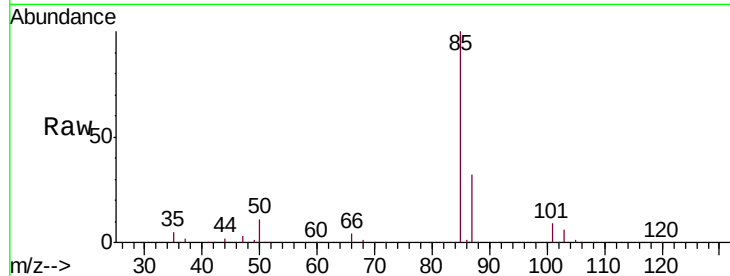
VSTD05051

Tgt Ion: 85 Resp: 112802

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

120000

100000

80000

60000

40000

20000

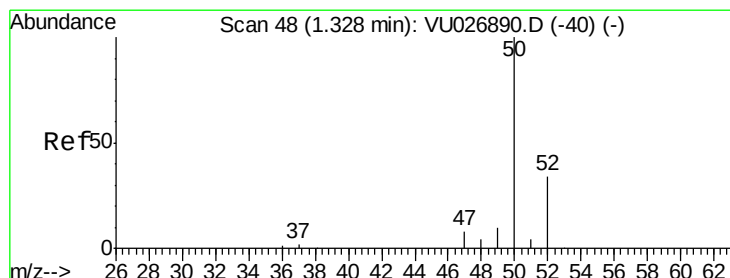
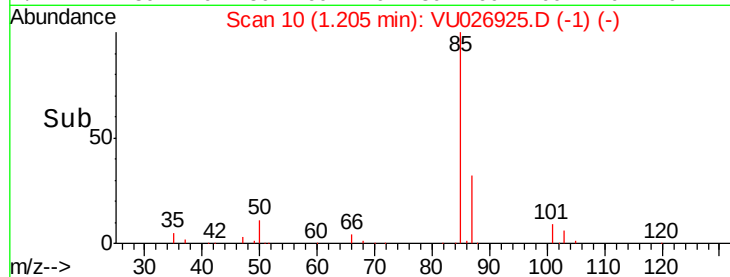
0

1.21

1.20

1.25

Time-->



#3

Chloromethane

Concen: 50.175 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026925.D

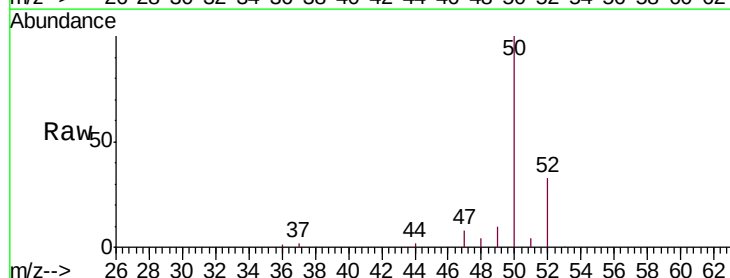
Acq: 20 Sep 2018 09:42

Tgt Ion: 50 Resp: 114404

Ion Ratio Lower Upper

50 100

52 32.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

120000

100000

80000

60000

40000

20000

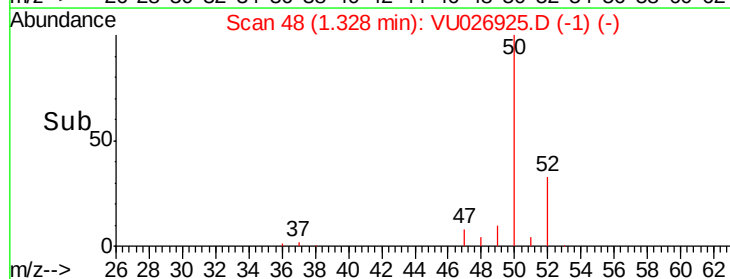
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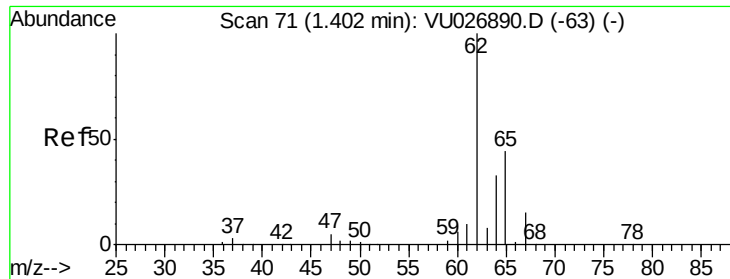
1.33

1.30

1.35

Time-->





#5

Vinyl chloride

Concen: 51.132 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

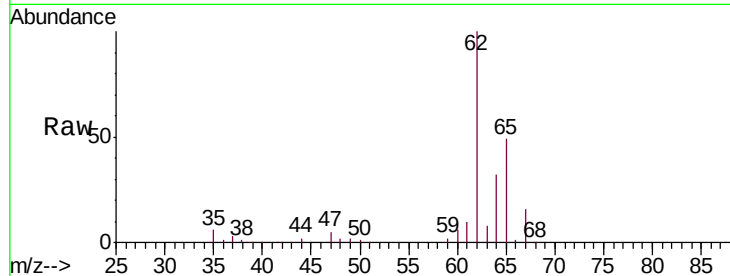
VSTD05051

Tgt Ion: 62 Resp: 113459

Ion Ratio Lower Upper

62 100

64 32.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

60000

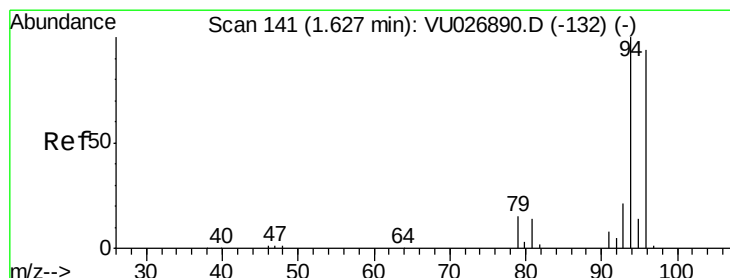
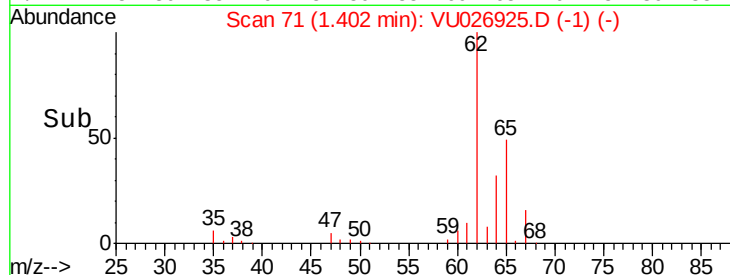
40000

20000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 51.983 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU026925.D

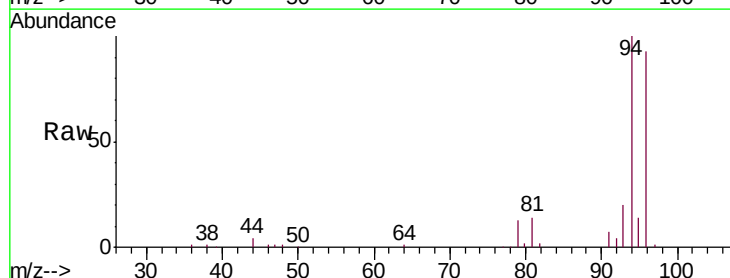
Acq: 20 Sep 2018 09:42

Tgt Ion: 94 Resp: 56971

Ion Ratio Lower Upper

94 100

96 92.7 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

30000

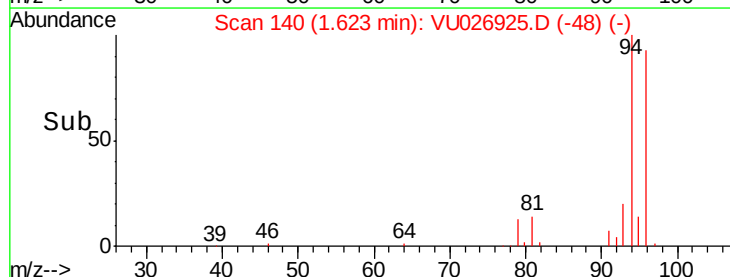
20000

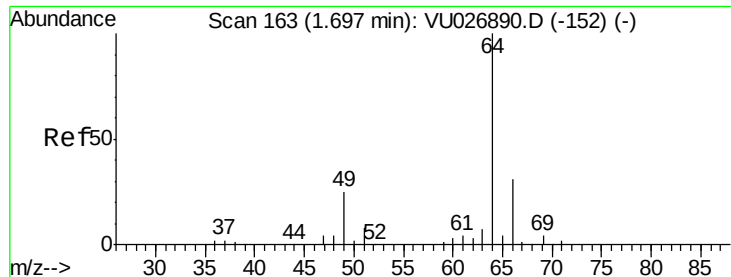
10000

0

Time-->

1.60 1.65 1.70





#8

Chloroethane

Concen: 50.406 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

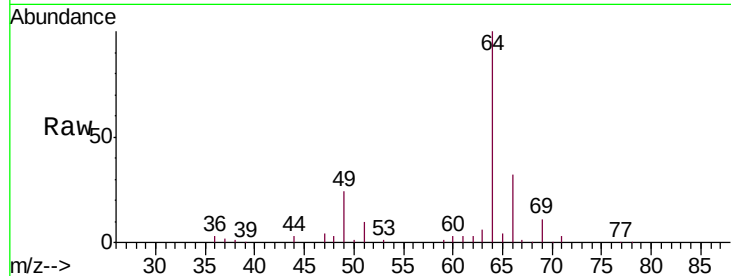
VSTD05051

Tgt Ion: 64 Resp: 70090

Ion Ratio Lower Upper

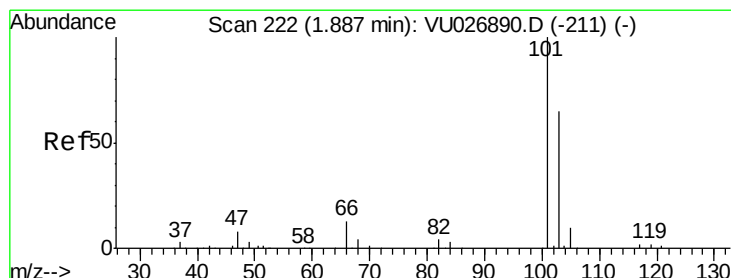
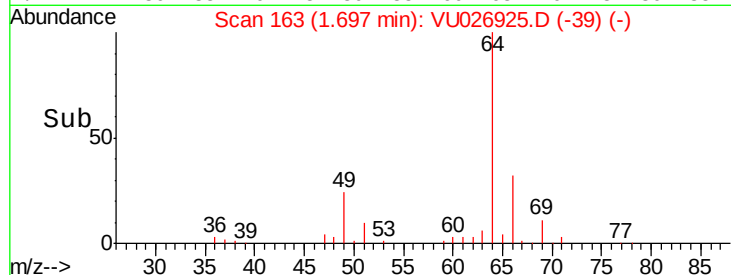
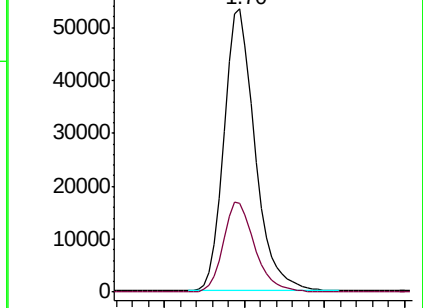
64 100

66 31.6 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU026890.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VU026890.D (-152) (-)



#9

Trichlorofluoromethane

Concen: 52.248 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026925.D

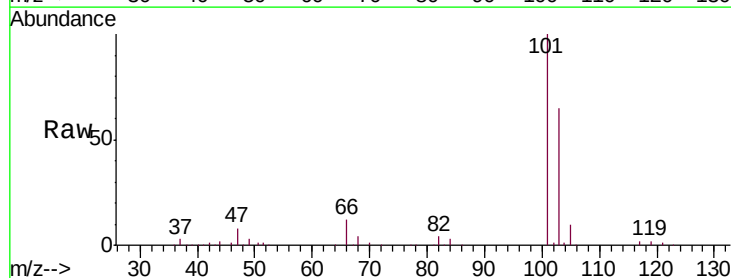
Acq: 20 Sep 2018 09:42

Tgt Ion: 101 Resp: 144044

Ion Ratio Lower Upper

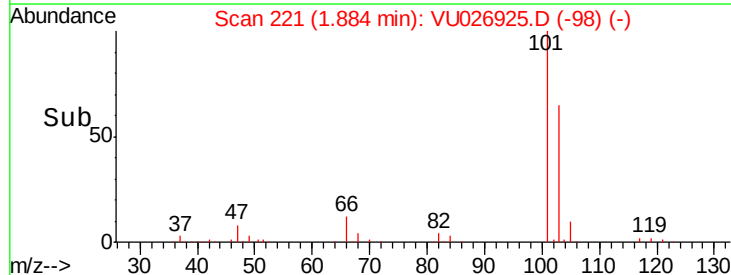
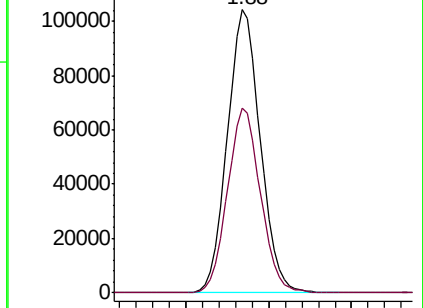
101 100

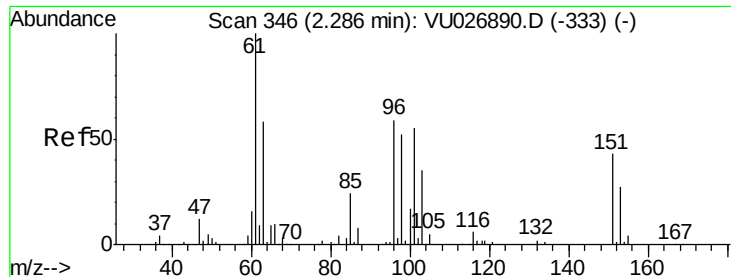
103 65.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU026890.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026890.D (-211) (-)





#10

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

Concen: 52.844 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

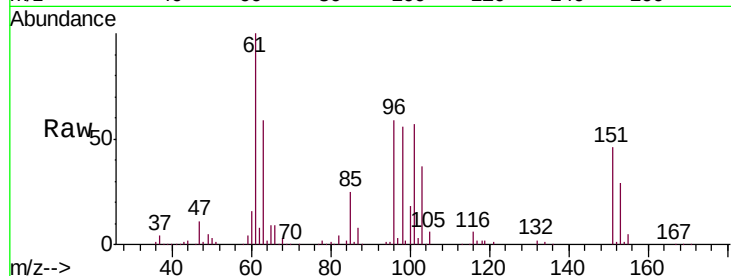
Tgt Ion: 101 Resp: 86301

Ion Ratio Lower Upper

101 100

85 43.3 34.6 52.0

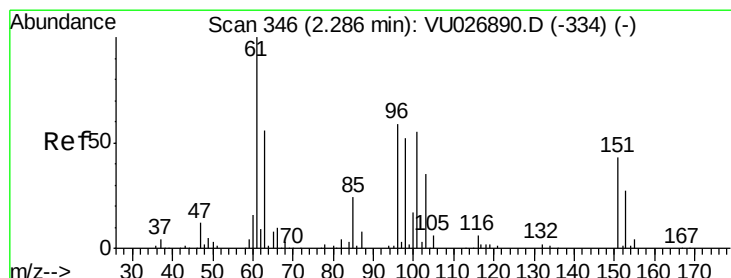
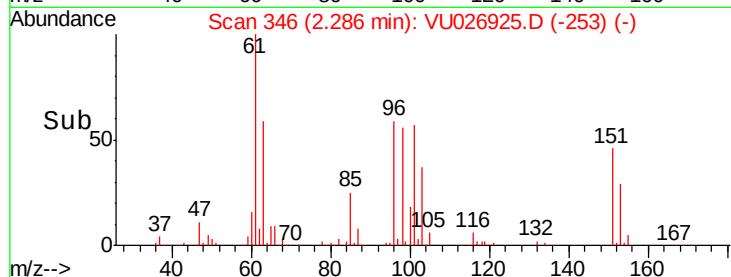
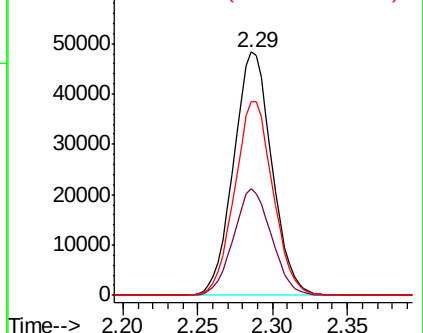
151 79.7 63.0 94.4



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: 50.990 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

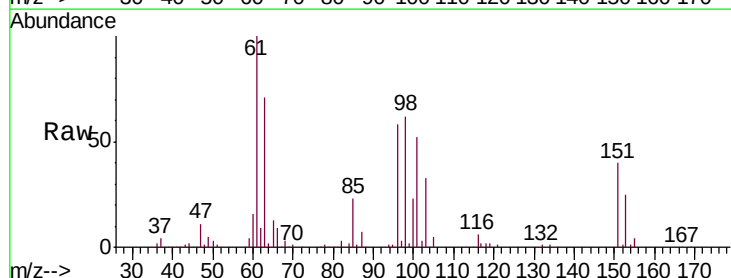
Tgt Ion: 96 Resp: 78208

Ion Ratio Lower Upper

96 100

61 172.8 124.0 230.4

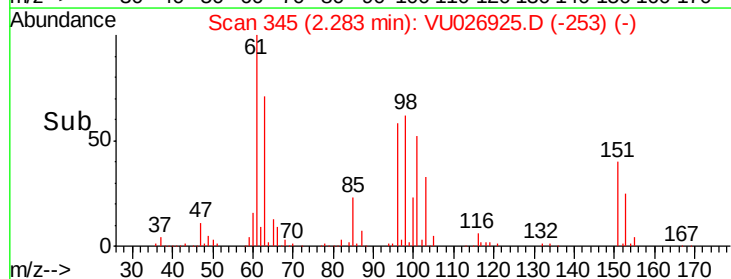
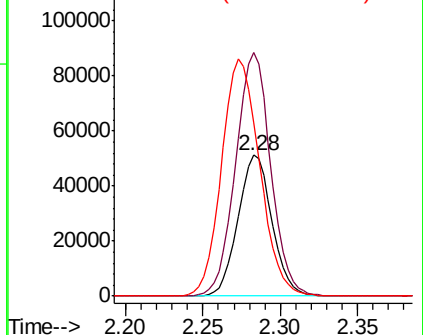
63 123.3 97.7 181.5

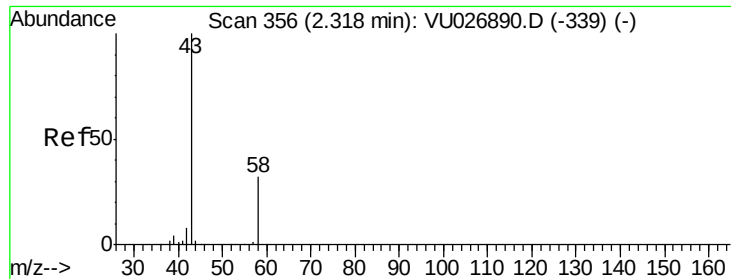


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 116.655 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

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ClientSampleId :

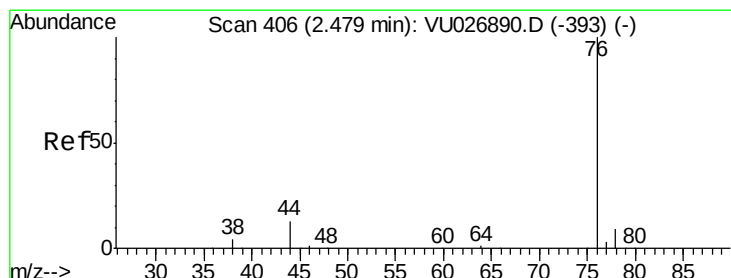
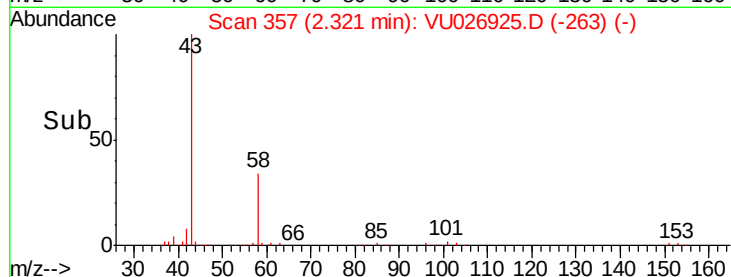
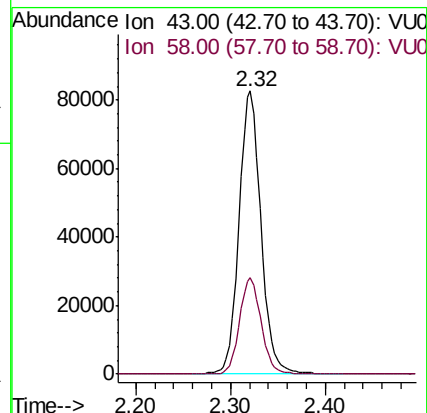
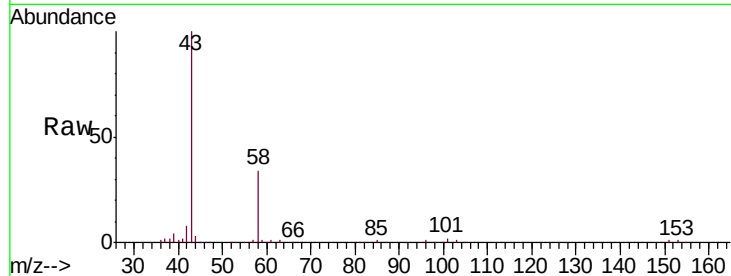
VSTD05051

Tgt Ion: 43 Resp: 133127

Ion Ratio Lower Upper

43 100

58 33.5 0.0 64.6



#14

Carbon disulfide

Concen: 46.432 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU026925.D

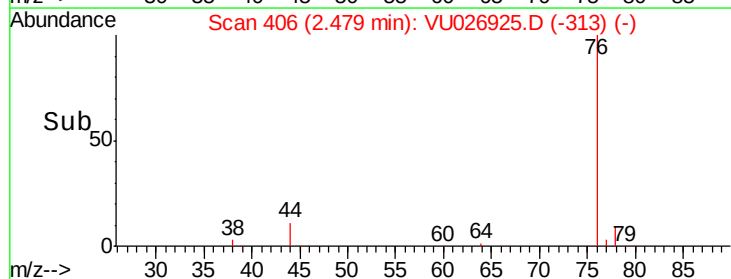
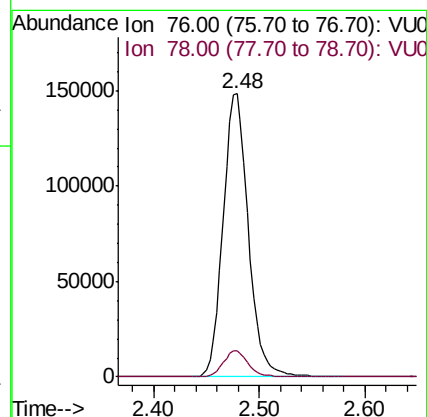
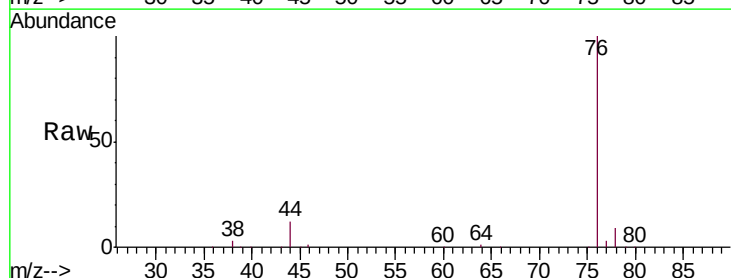
Acq: 20 Sep 2018 09:42

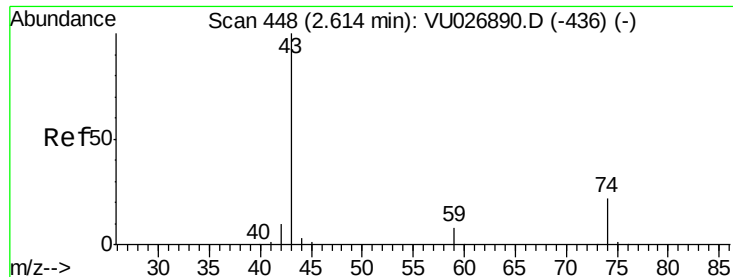
Tgt Ion: 76 Resp: 245762

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 52.653 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

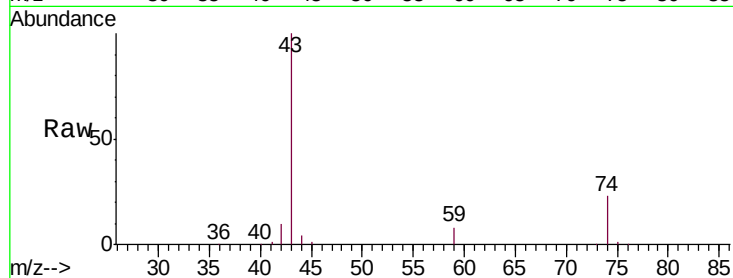
VSTD05051

Tgt Ion: 43 Resp: 104109

Ion Ratio Lower Upper

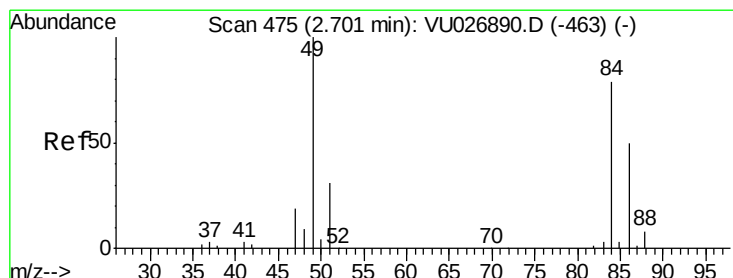
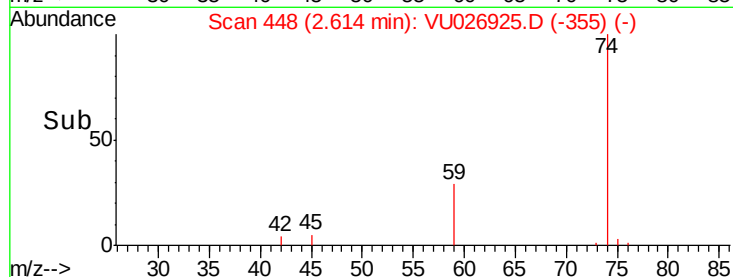
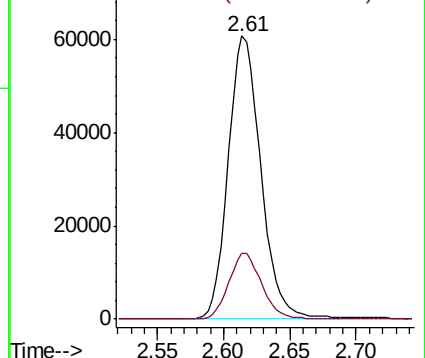
43 100

74 23.5 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 49.603 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

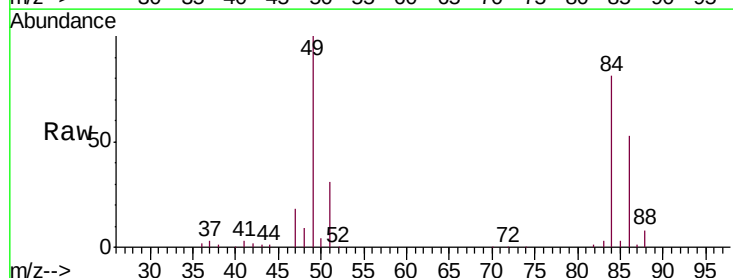
Tgt Ion: 84 Resp: 96714

Ion Ratio Lower Upper

84 100

86 64.8 45.3 84.1

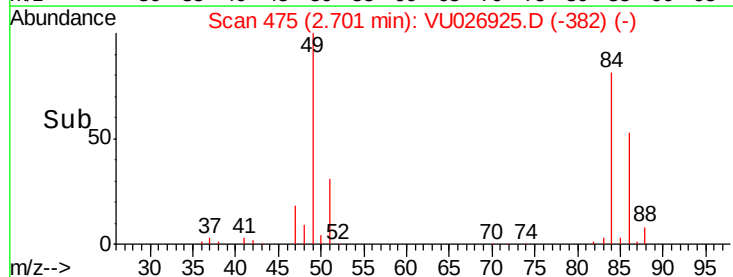
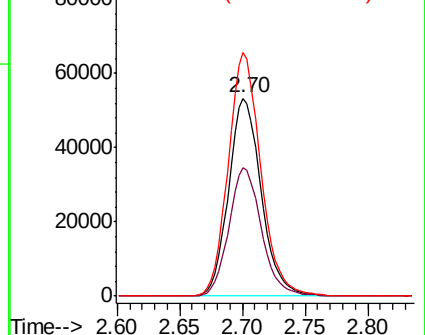
49 123.2 86.2 160.2

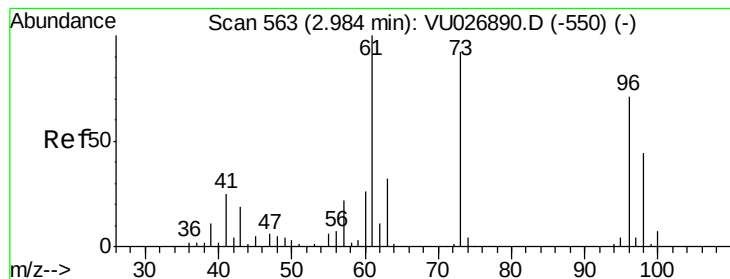


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 49.481 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

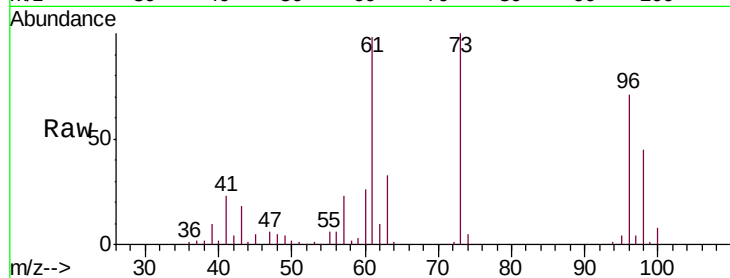
Tgt Ion: 96 Resp: 83587

Ion Ratio Lower Upper

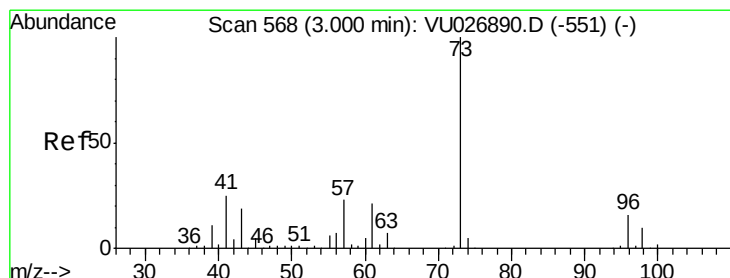
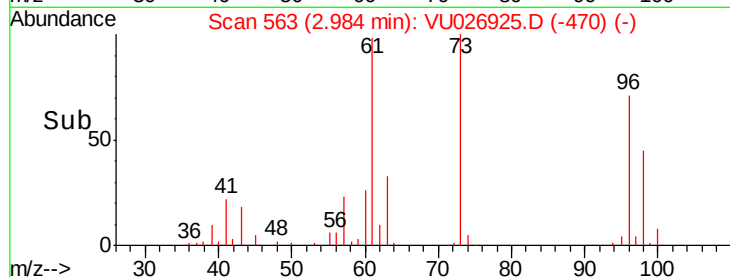
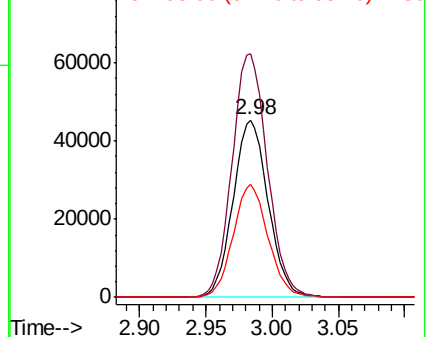
96 100

61 137.5 98.7 183.3

98 63.5 45.2 84.0



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



#18

Methyl tert-butyl Ether

Concen: 54.730 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

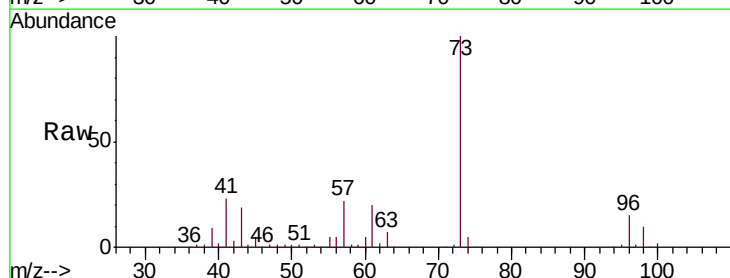
Tgt Ion: 73 Resp: 270362

Ion Ratio Lower Upper

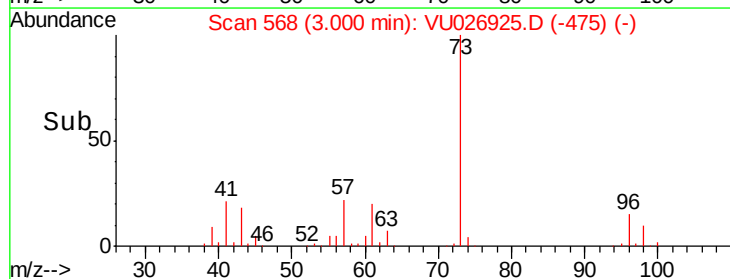
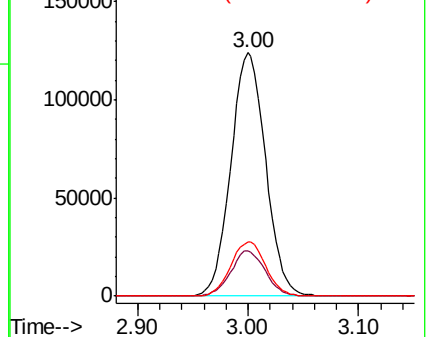
73 100

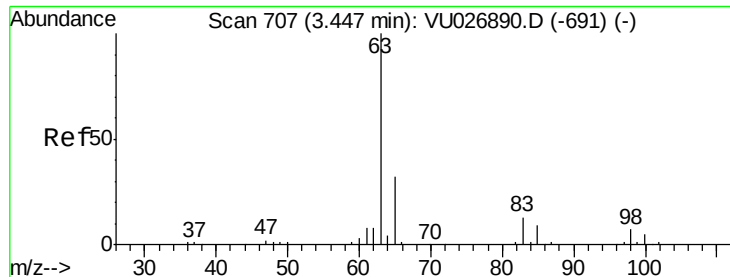
43 18.5 15.3 22.9

57 22.6 18.1 27.1



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

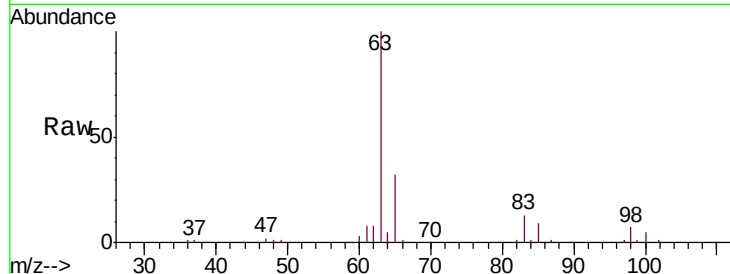




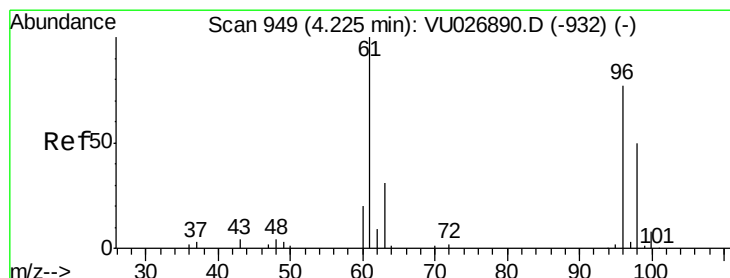
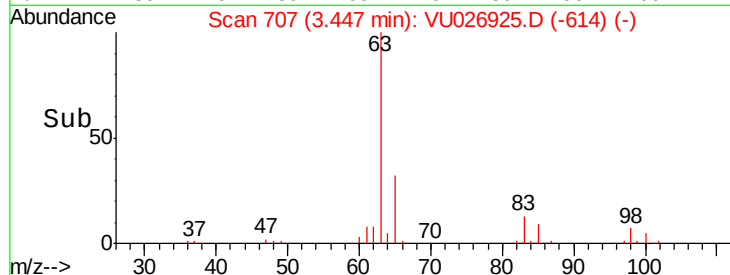
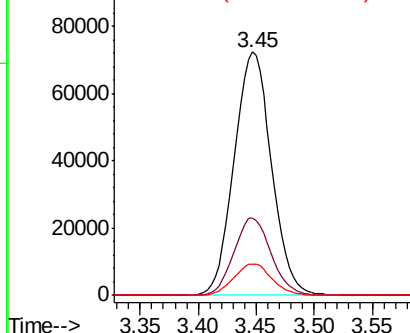
#19
 1,1-Dichloroethane
 Concen: 49.617 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion: 63 Resp: 161660
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 13.0 9.3 17.3

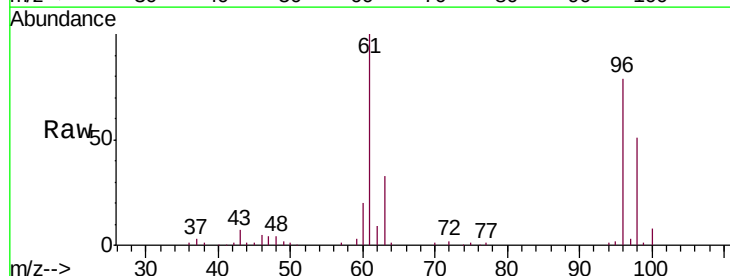


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

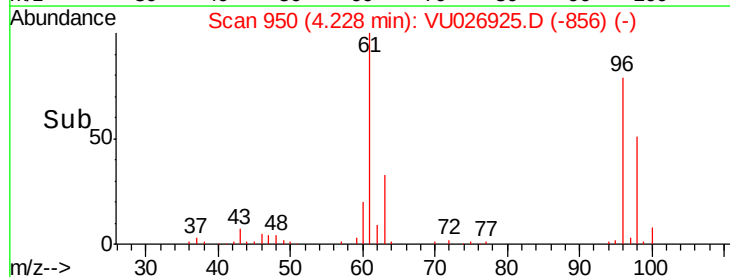
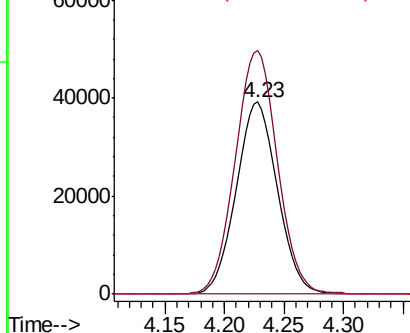


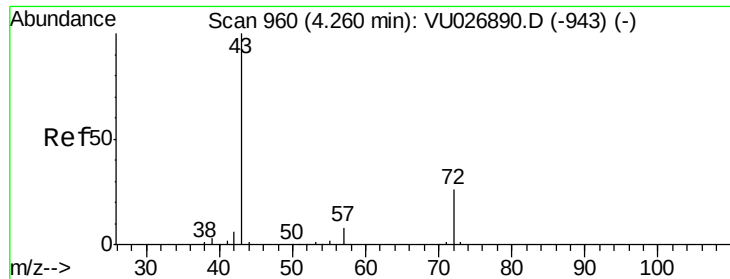
#20
 cis-1,2-Dichloroethene
 Concen: 50.725 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Tgt Ion: 96 Resp: 94241
 Ion Ratio Lower Upper
 96 100
 61 126.8 90.2 167.4
 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: 112.054 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

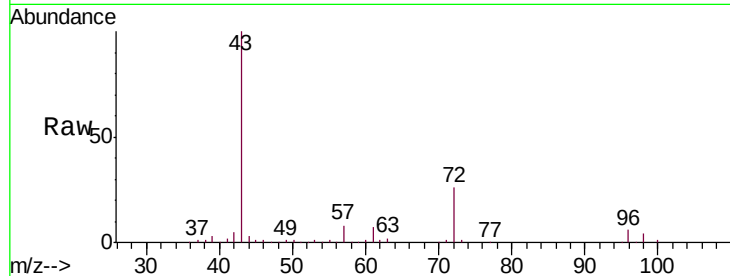
VSTD05051

Tgt Ion: 43 Resp: 157696

Ion Ratio Lower Upper

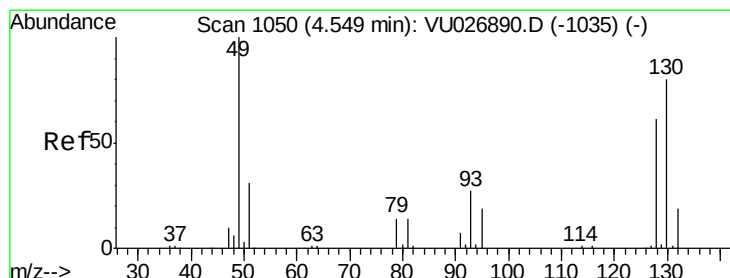
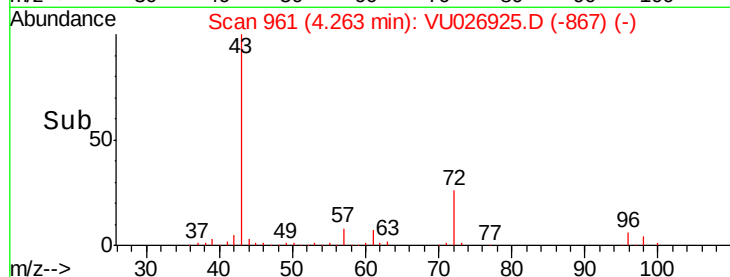
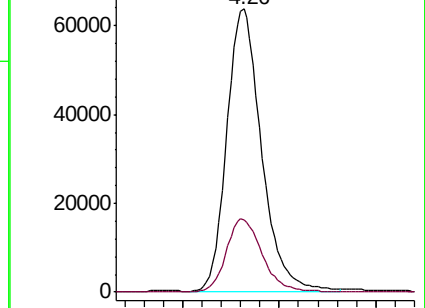
43 100

72 26.9 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU026890.D (-943) (-)

Ion 72.00 (71.70 to 72.70): VU026890.D (-943) (-)



#23

Bromochloromethane

Concen: 50.828 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Tgt Ion: 128 Resp: 50988

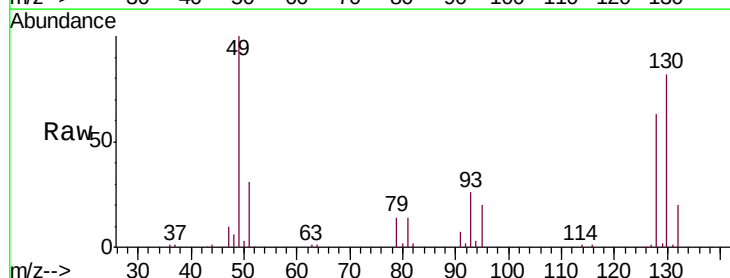
Ion Ratio Lower Upper

128 100

49 157.6 113.0 209.8

130 129.0 89.7 166.5

51 48.7 39.7 59.5

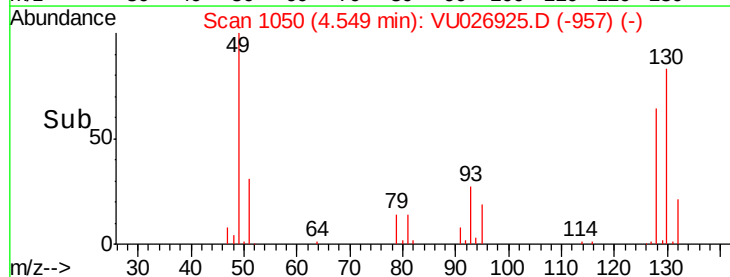
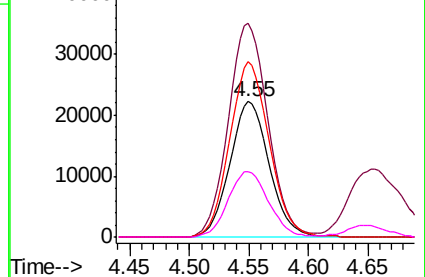


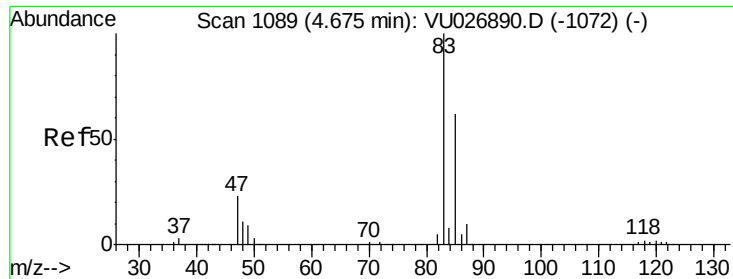
Abundance Ion 128.00 (127.70 to 128.70): VU026890.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU026890.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU026890.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU026890.D (-1035) (-)

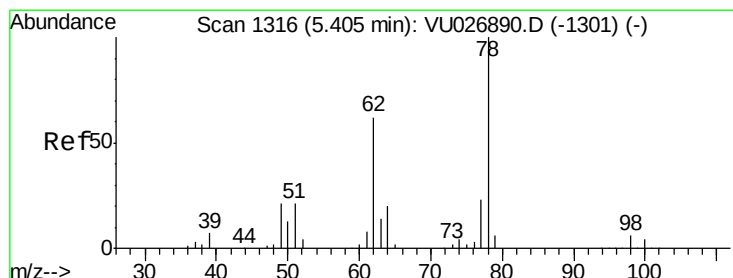
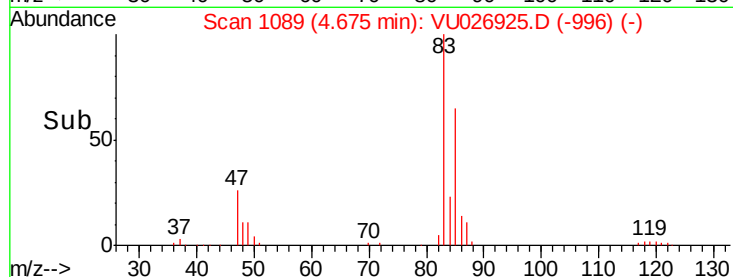
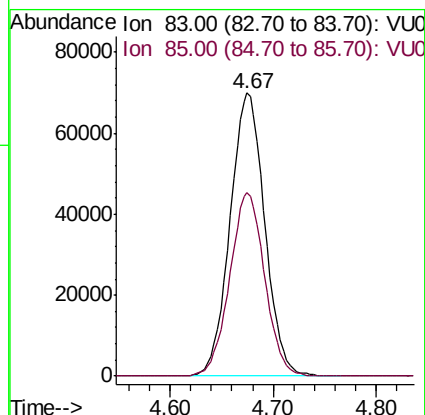
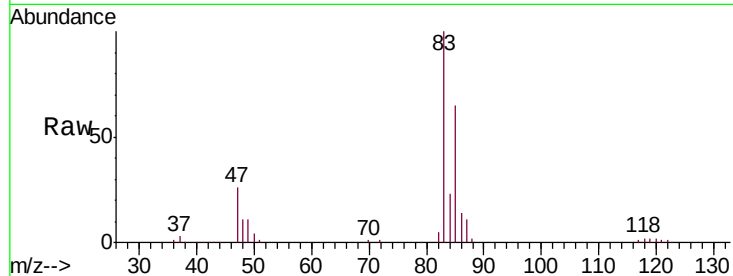




#25
Chloroform
Concen: 49.500 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

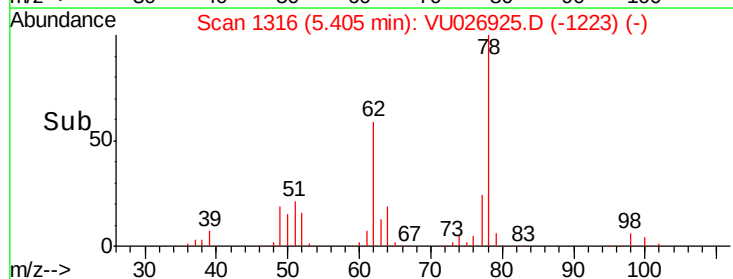
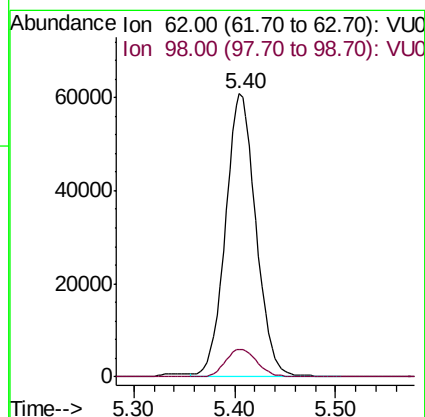
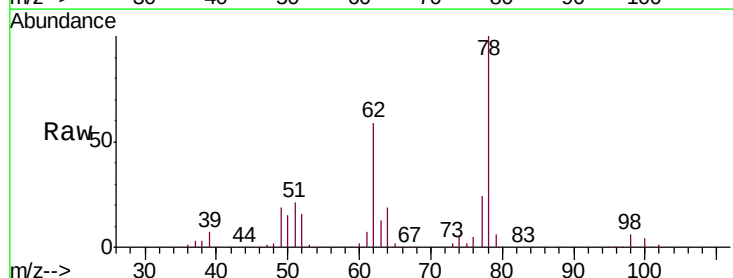
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

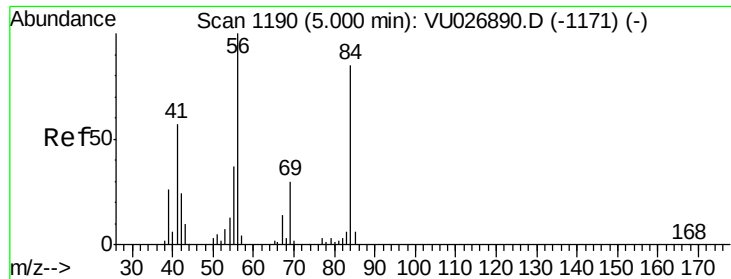
Tgt Ion: 83 Resp: 163353
Ion Ratio Lower Upper
83 100
85 65.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 49.750 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

Tgt Ion: 62 Resp: 128117
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.4

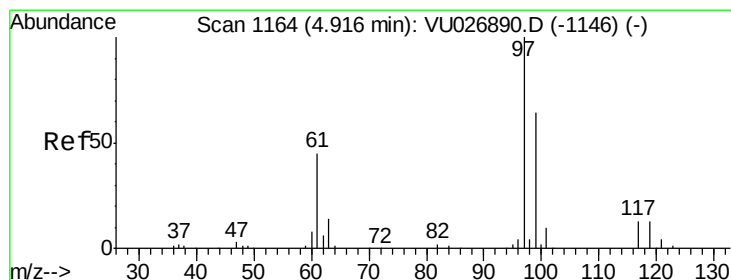
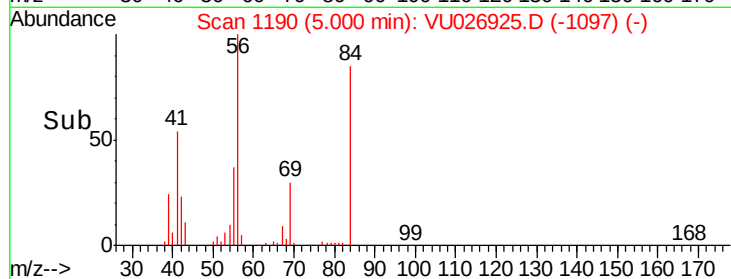
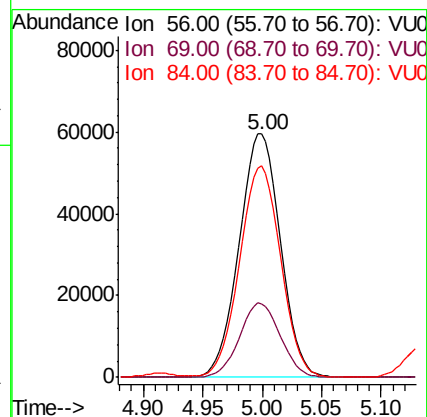
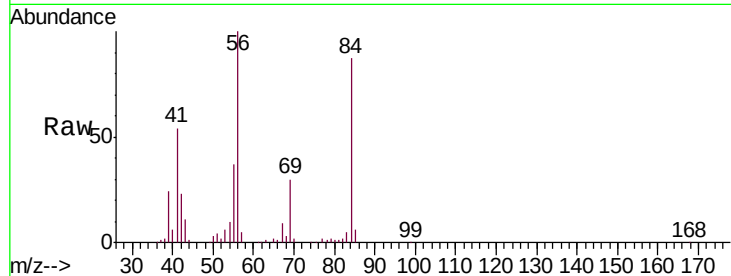




#29
Cyclohexane
Concen: 54.715 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

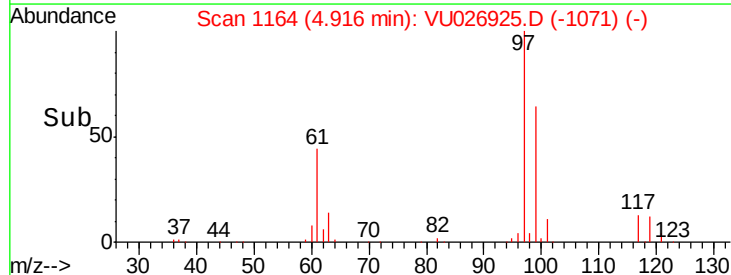
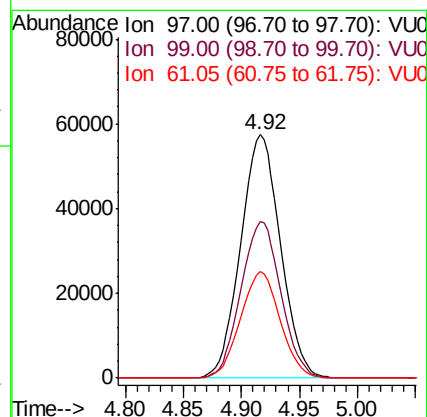
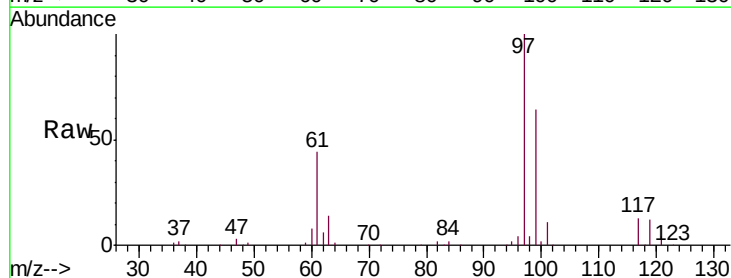
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

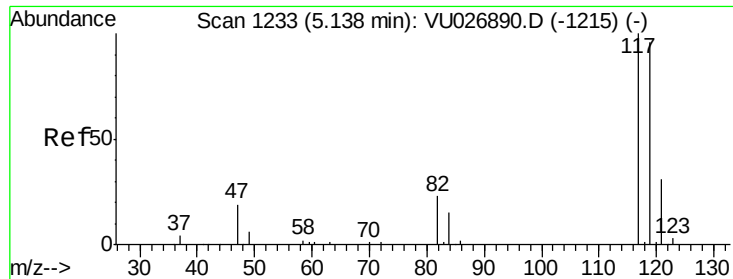
Tgt Ion: 56 Resp: 143062
Ion Ratio Lower Upper
56 100
69 30.1 23.7 35.5
84 86.0 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 51.251 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

Tgt Ion: 97 Resp: 137302
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.8
61 43.5 36.6 54.8





#31

Carbon tetrachloride

Concen: 50.995 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

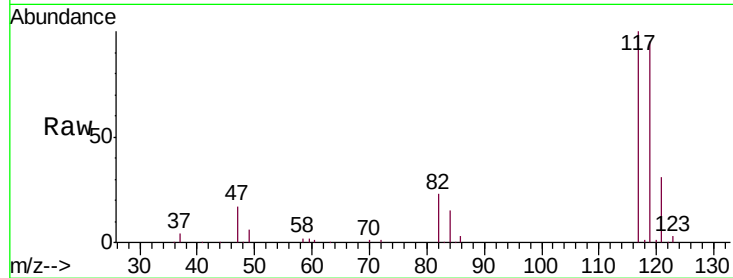
VSTD05051

Tgt Ion:117 Resp: 122427

Ion Ratio Lower Upper

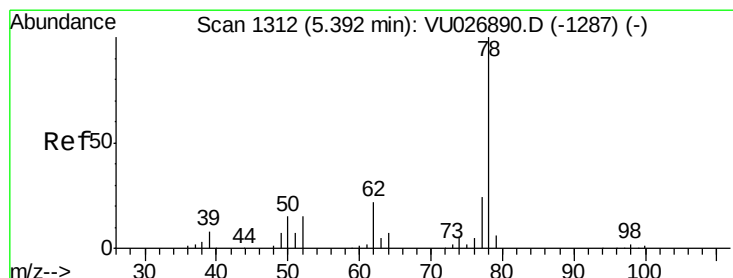
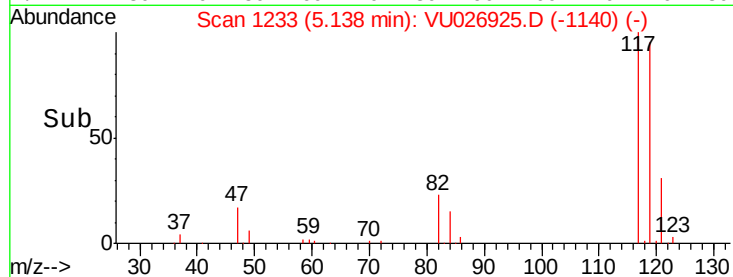
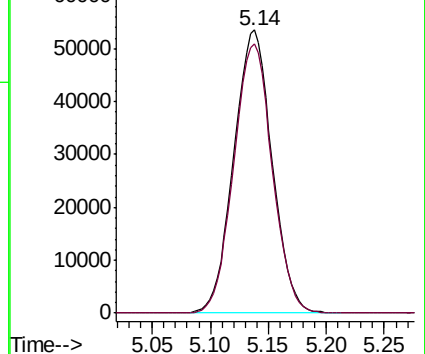
117 100

119 95.7 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.610 ug/L

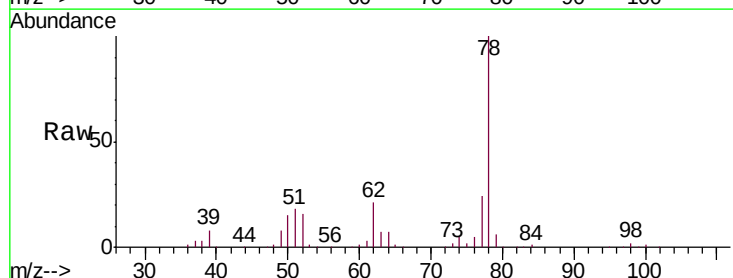
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

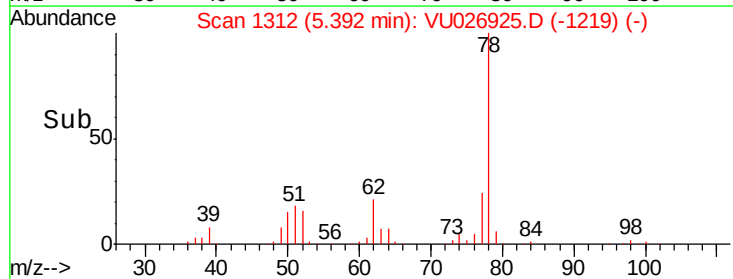
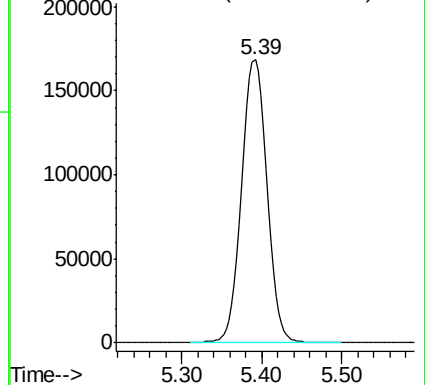
Lab File: VU026925.D

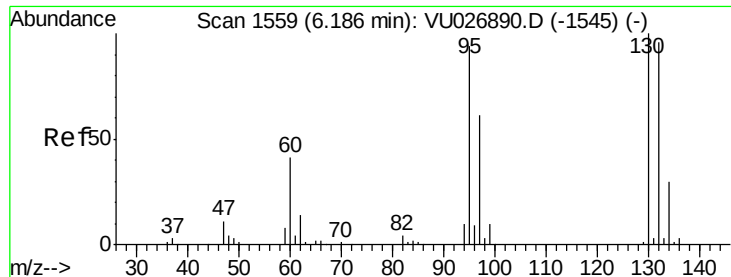
Acq: 20 Sep 2018 09:42

Tgt Ion: 78 Resp: 360328



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.850 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

Tgt Ion: 95 Resp: 85192

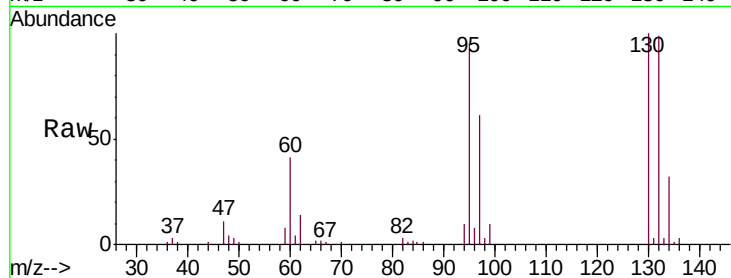
Ion Ratio Lower Upper

95 100

97 64.8 46.3 85.9

132 104.8 71.7 133.1

130 105.7 75.3 139.8

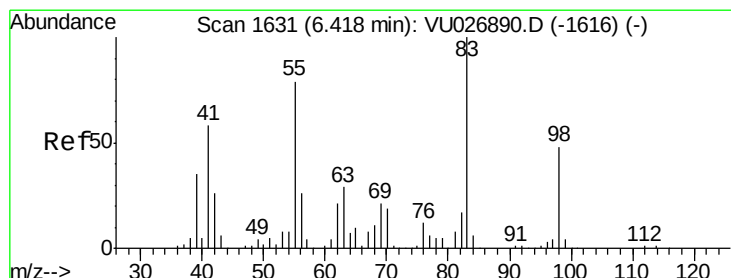
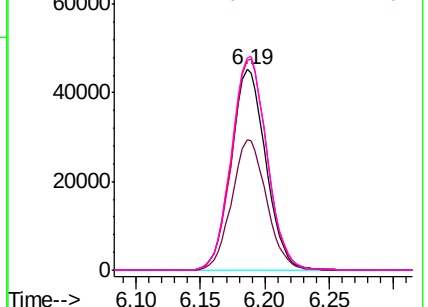
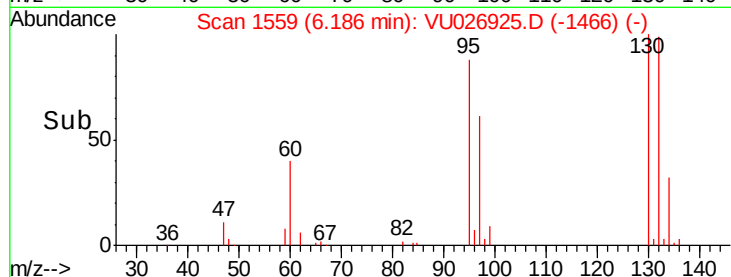


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 54.196 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

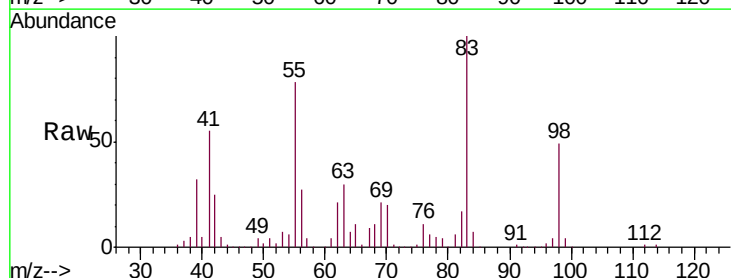
Tgt Ion: 83 Resp: 148009

Ion Ratio Lower Upper

83 100

55 77.8 61.7 92.5

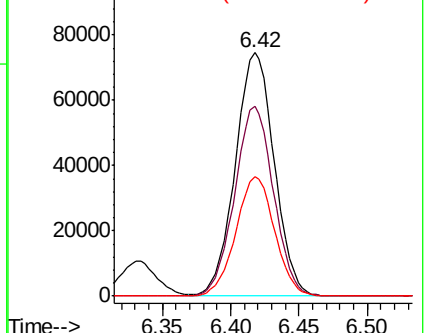
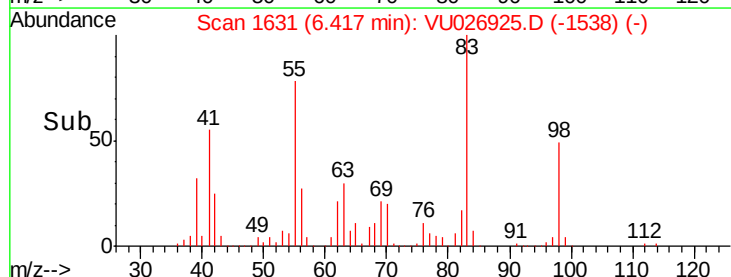
98 48.7 38.3 57.5

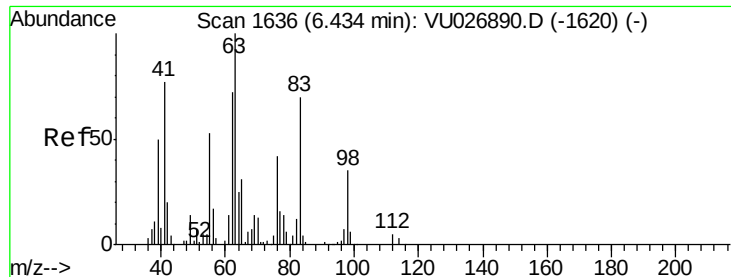


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

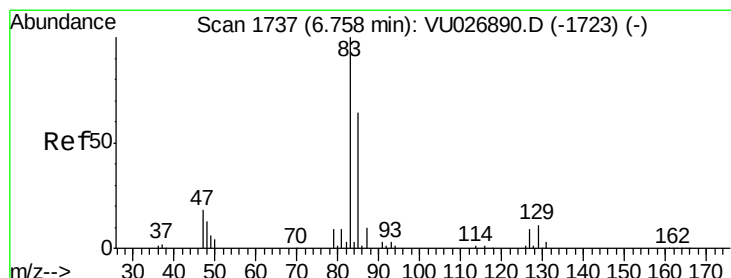
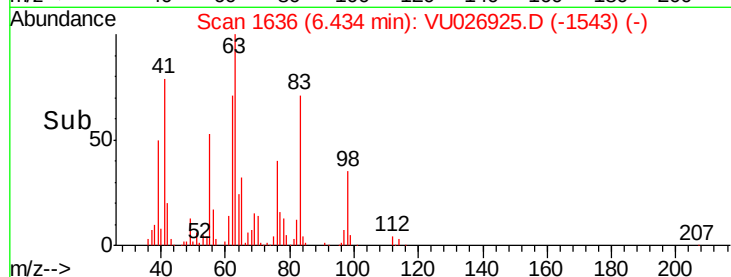
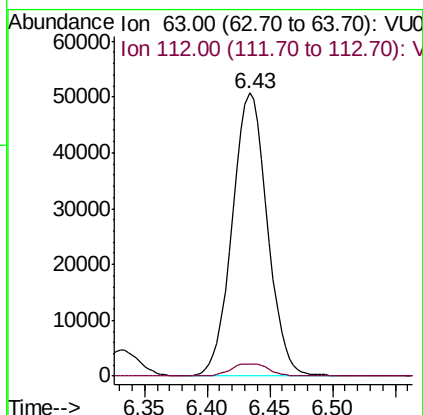
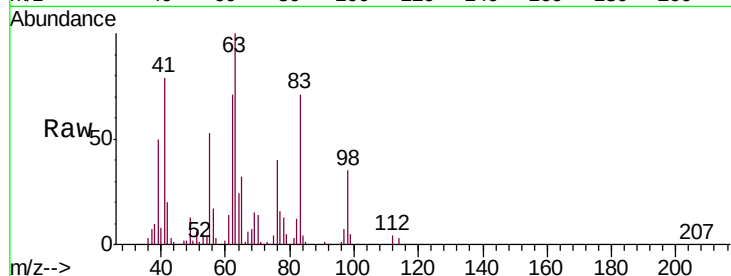




#37
 1,2-Dichloropropane
 Concen: 51.633 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

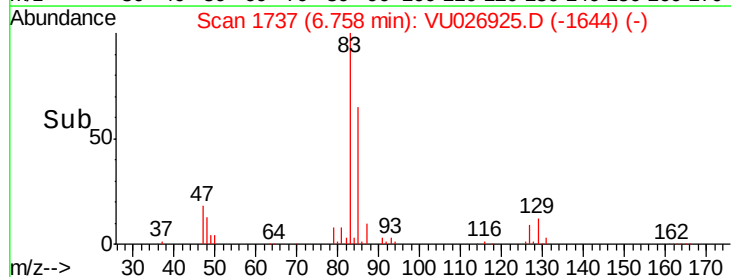
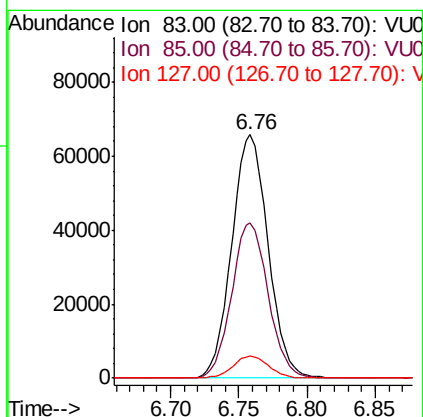
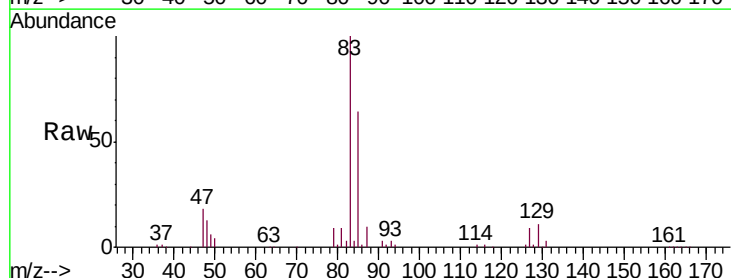
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

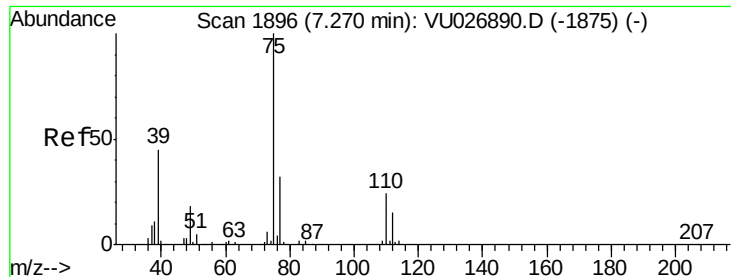
Tgt Ion: 63 Resp: 99026
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 51.217 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Tgt Ion: 83 Resp: 121815
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.5 82.7
 127 9.1 6.9 10.3



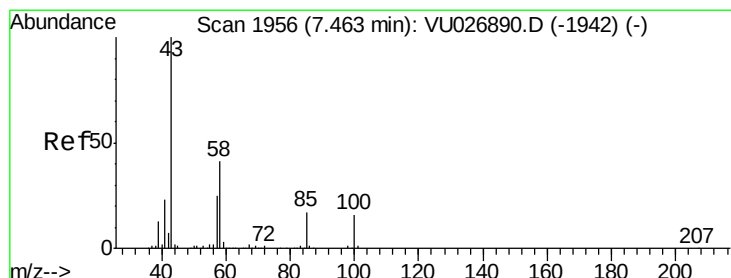
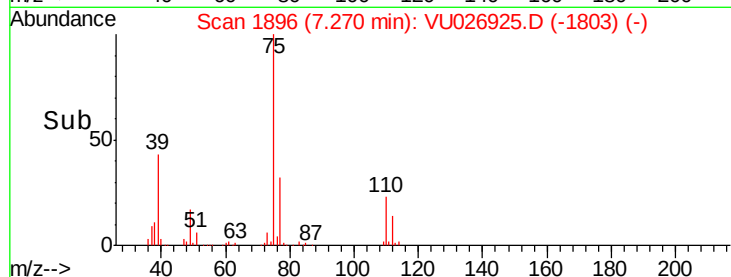
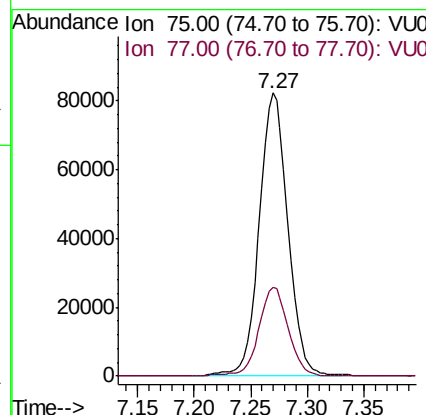
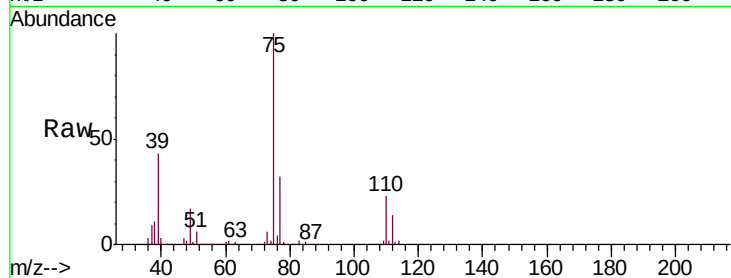


#39

cis-1,3-Dichloropropene
 Concen: 53.452 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

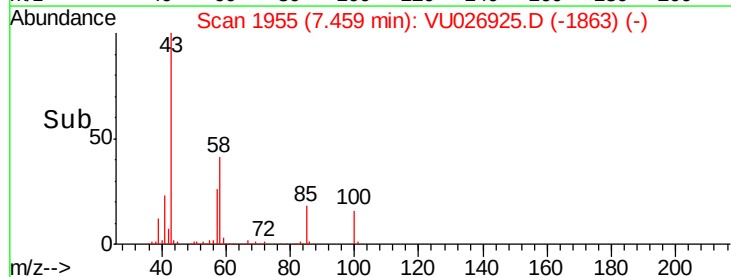
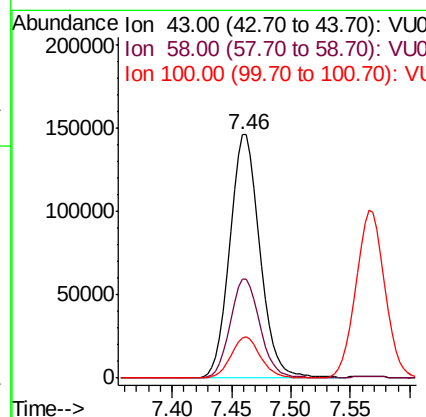
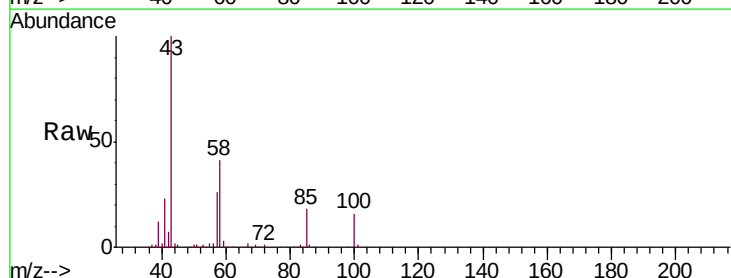
Tgt Ion: 75 Resp: 144811
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1

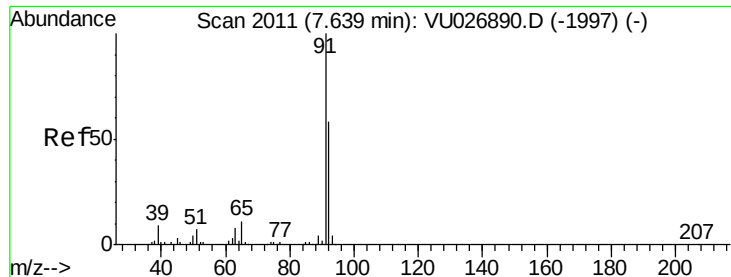


#40

4-Methyl-2-pentanone
 Concen: 113.030 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Tgt Ion: 43 Resp: 257579
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.0 48.0
 100 16.6 12.6 19.0





#42

Toluene

Concen: 53.048 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

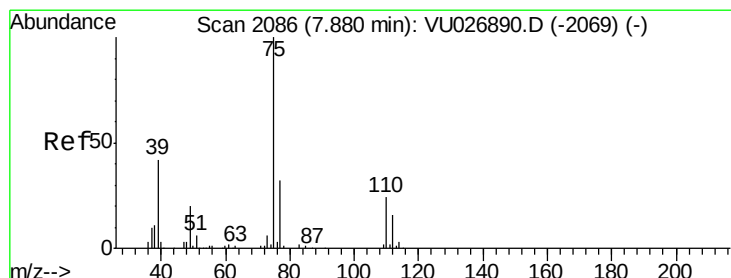
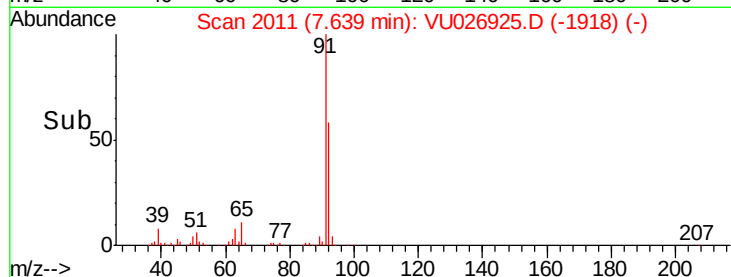
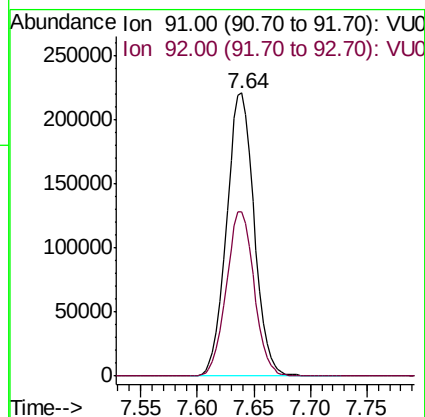
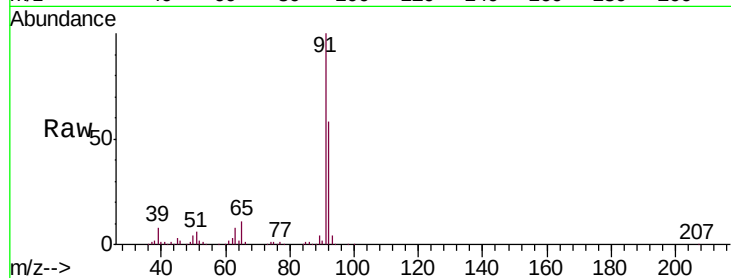
VSTD05051

Tgt Ion: 91 Resp: 374798

Ion Ratio Lower Upper

91 100

92 58.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 53.618 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026925.D

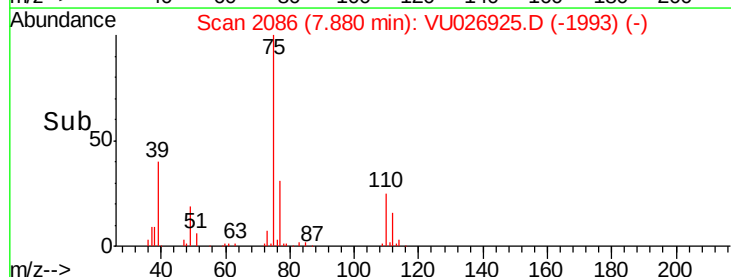
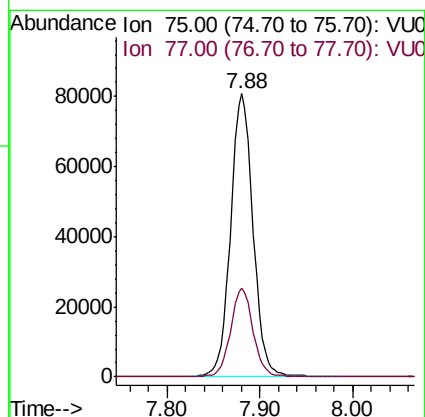
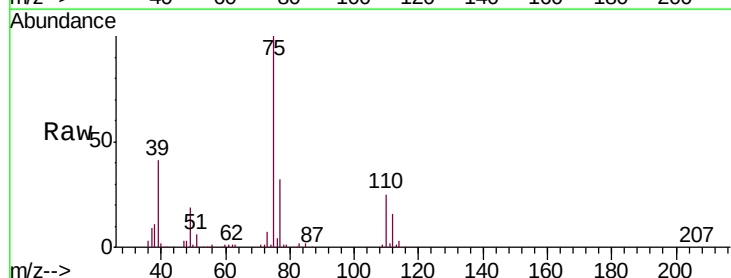
Acq: 20 Sep 2018 09:42

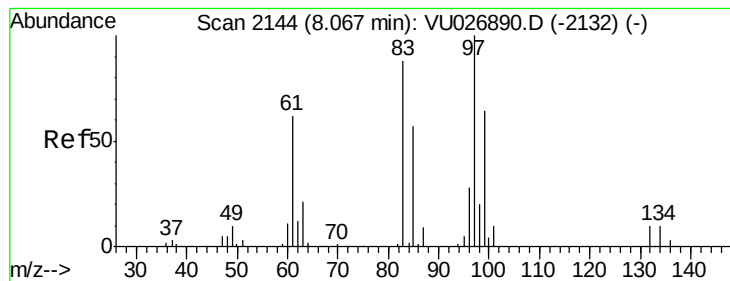
Tgt Ion: 75 Resp: 136011

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 52.515 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

Tgt Ion: 97 Resp: 91825

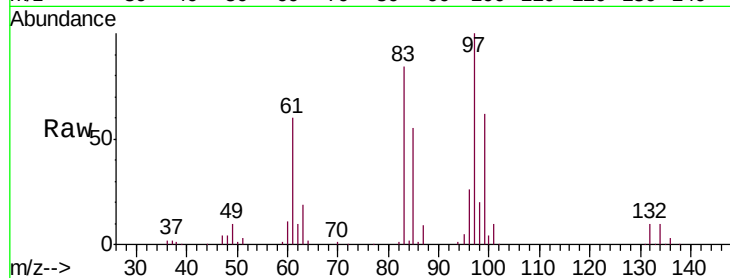
Ion Ratio Lower Upper

97 100

99 62.3 44.3 82.3

83 83.8 61.5 114.1

85 55.2 38.6 71.6

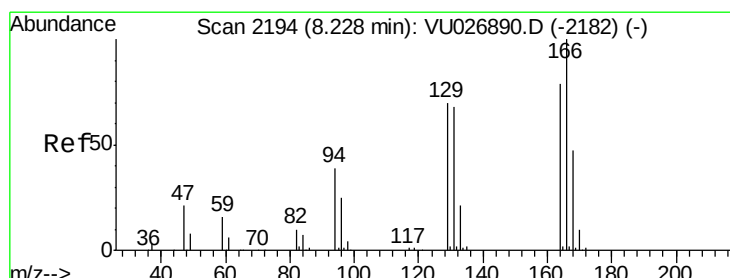
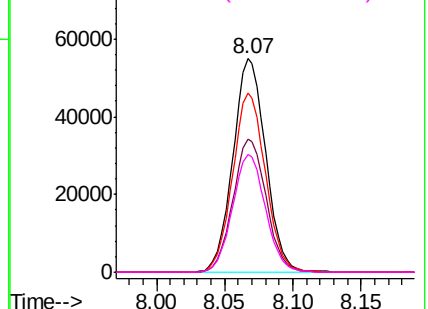
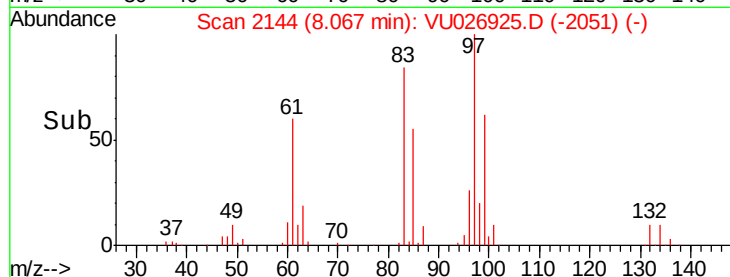


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 53.172 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Tgt Ion: 164 Resp: 78971

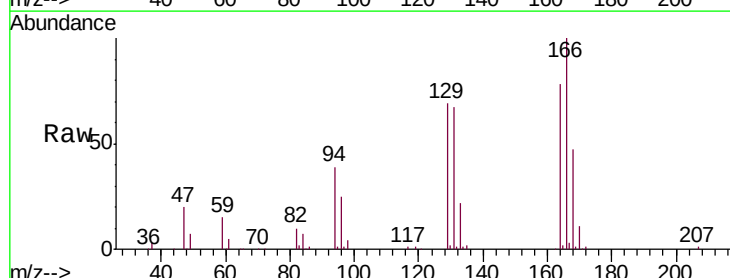
Ion Ratio Lower Upper

164 100

129 87.6 62.2 115.4

131 85.7 60.5 112.5

166 127.8 89.0 165.2

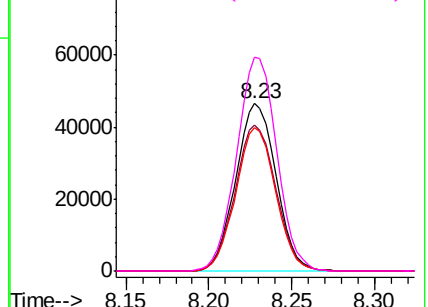
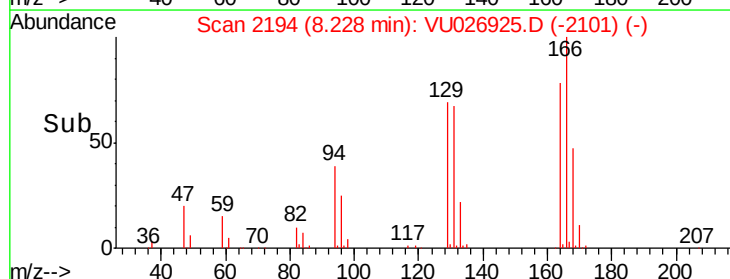


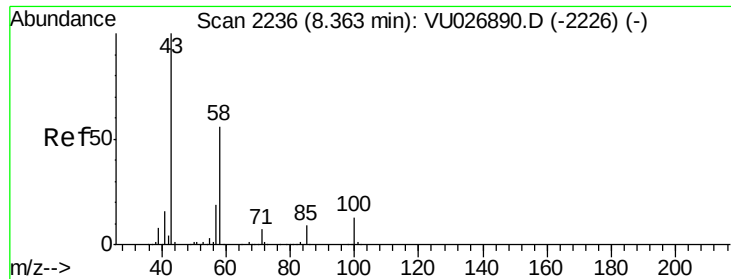
Abundance Ion 164.00 (163.70 to 164.70): V

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

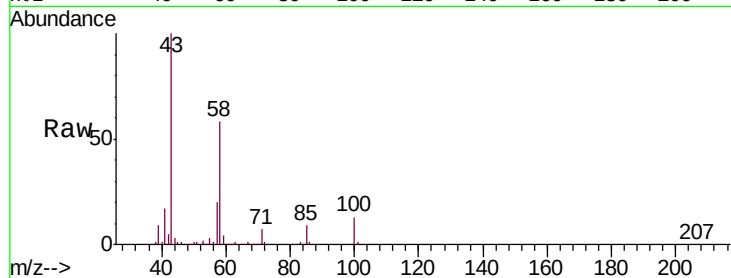




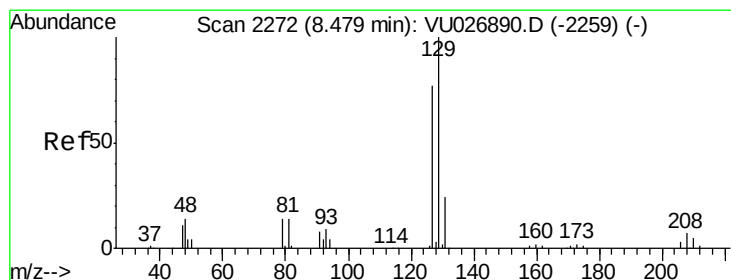
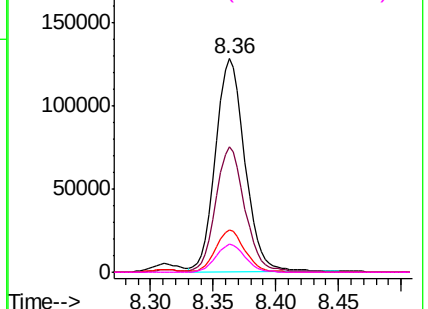
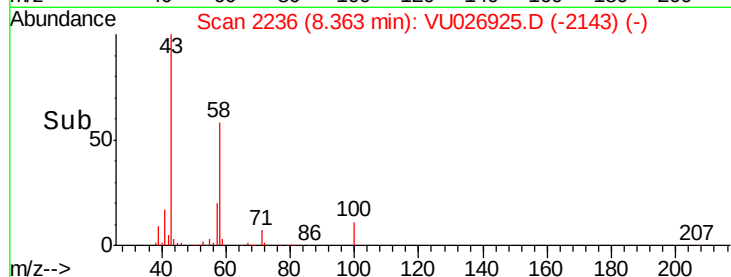
#48
2-Hexanone
Concen: 113.026 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Tgt Ion:	43	Resp:	207766
Ion	Ratio	Lower	Upper
43	100		
58	57.8	44.9	67.3
57	19.4	15.4	23.2
100	13.1	10.2	15.4

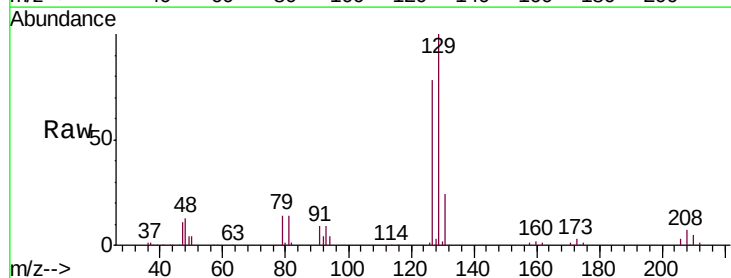


Abundance Ion 43.00 (42.70 to 43.70): VU026925.D (-2143) (-)
Ion 58.00 (57.70 to 58.70): VU026925.D (-2143) (-)
Ion 57.00 (56.70 to 57.70): VU026925.D (-2143) (-)
Ion 100.00 (99.70 to 100.70): VU026925.D (-2143) (-)

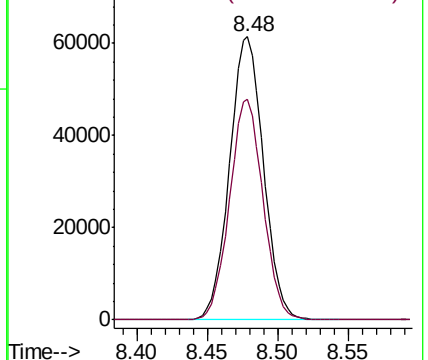
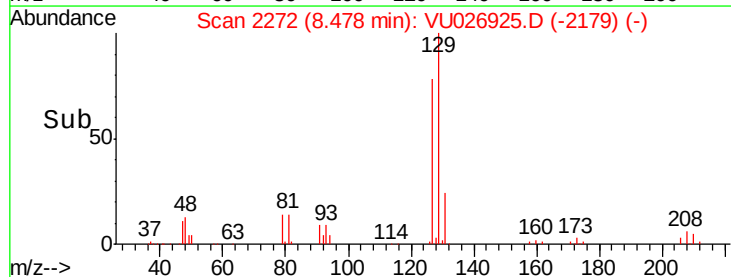


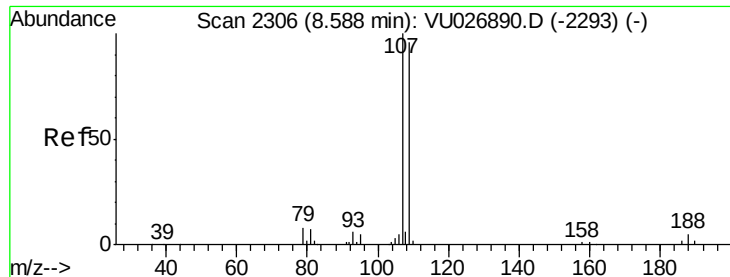
#49
Dibromochloromethane
Concen: 52.306 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

Tgt Ion:	129	Resp:	103528
Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.2	102.4



Abundance Ion 129.00 (128.70 to 129.70): VU026925.D (-2179) (-)
Ion 127.00 (126.70 to 127.70): VU026925.D (-2179) (-)

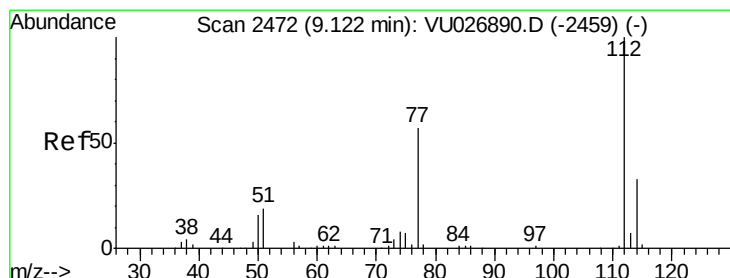
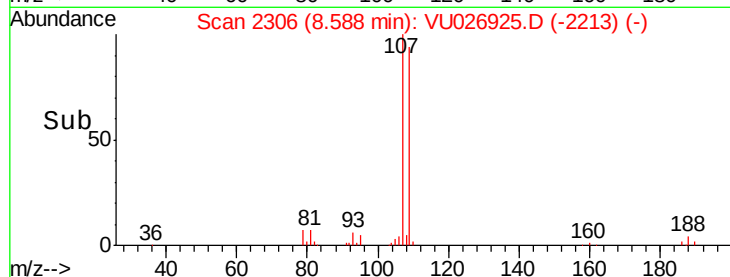
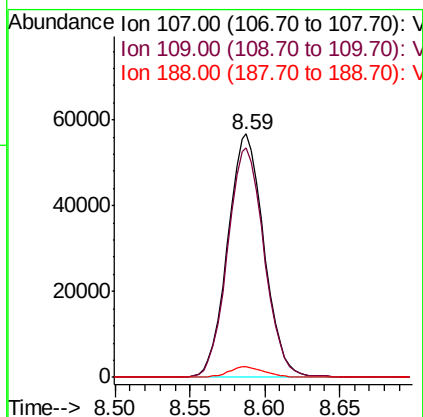
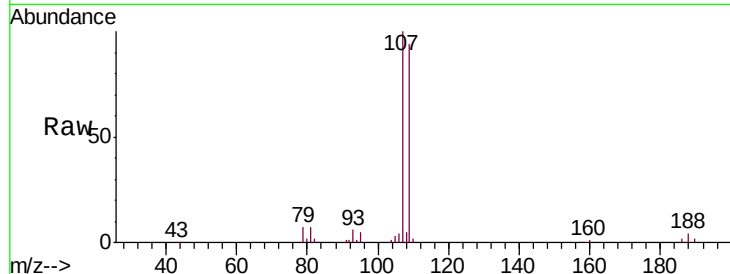




#50
1,2-Dibromoethane
Concen: 52.567 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

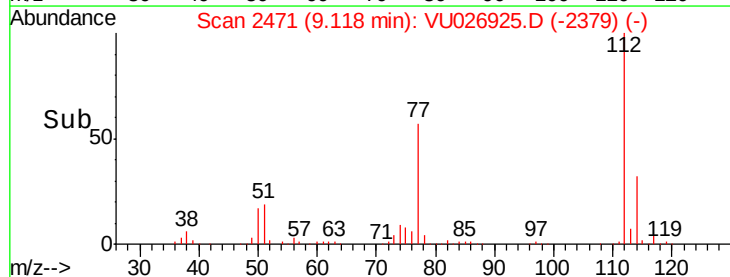
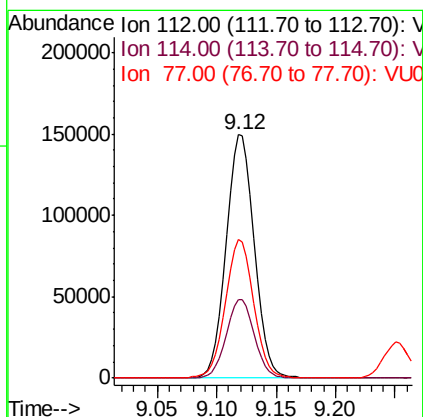
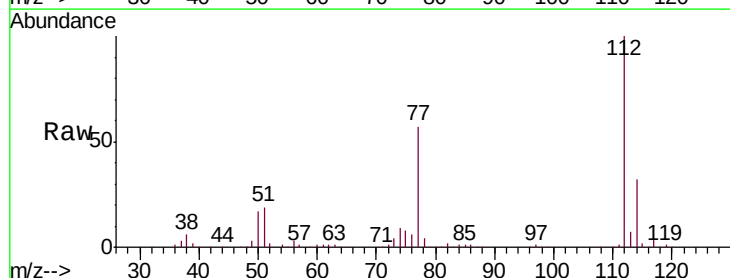
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

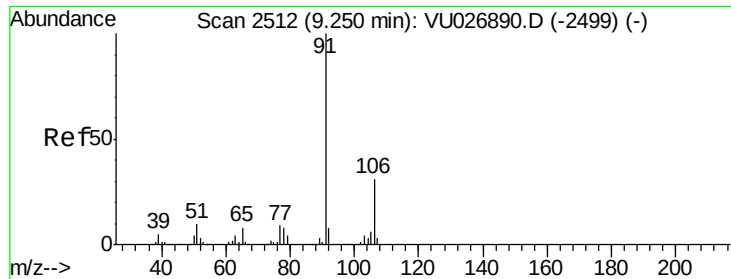
Tgt Ion:107 Resp: 95825
Ion Ratio Lower Upper
107 100
109 94.4 67.8 125.8
188 4.2 3.2 4.8



#51
Chlorobenzene
Concen: 51.259 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

Tgt Ion:112 Resp: 245738
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 56.9 45.1 67.7





#52

Ethylbenzene

Concen: 54.452 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

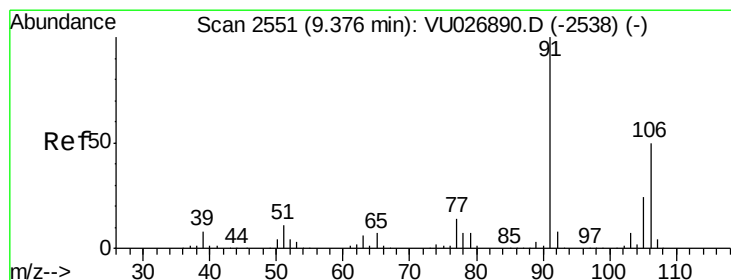
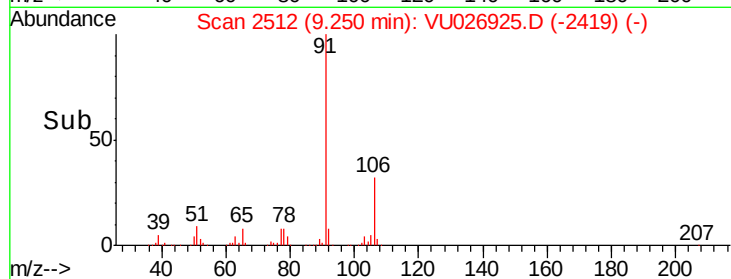
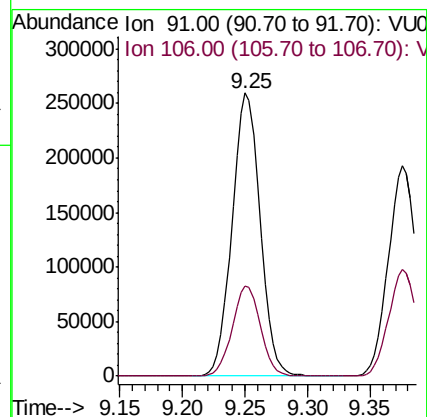
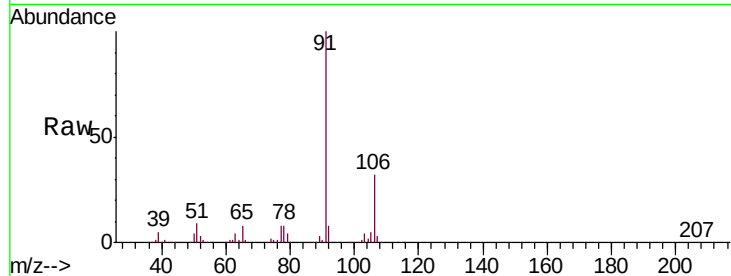
VSTD05051

Tgt Ion: 91 Resp: 402993

Ion Ratio Lower Upper

91 100

106 31.9 22.0 40.8



#53

m,p-Xylene

Concen: 55.481 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026925.D

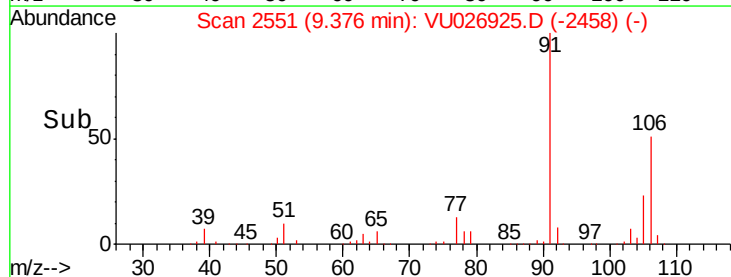
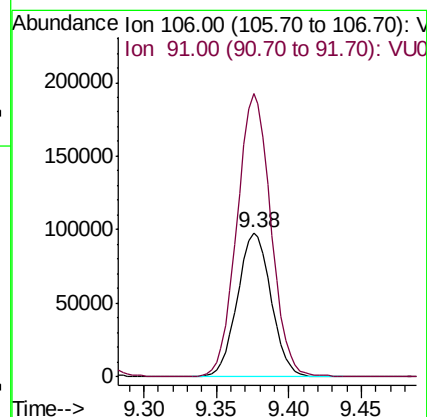
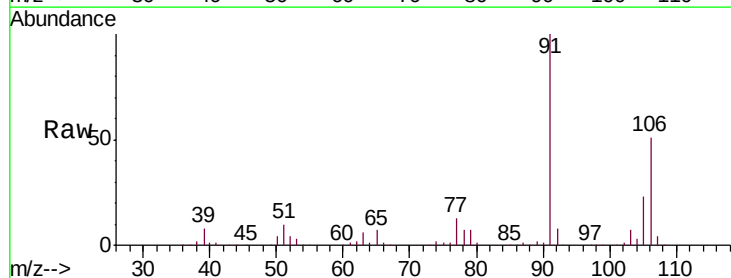
Acq: 20 Sep 2018 09:42

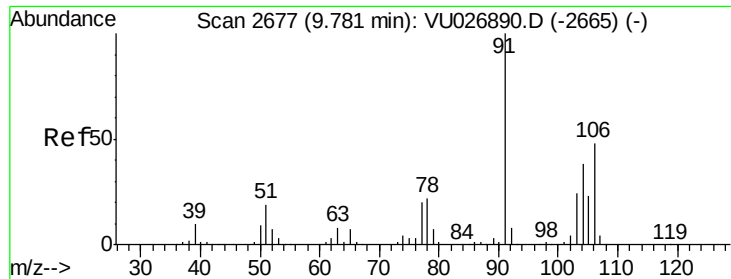
Tgt Ion: 106 Resp: 157849

Ion Ratio Lower Upper

106 100

91 195.9 139.2 258.6

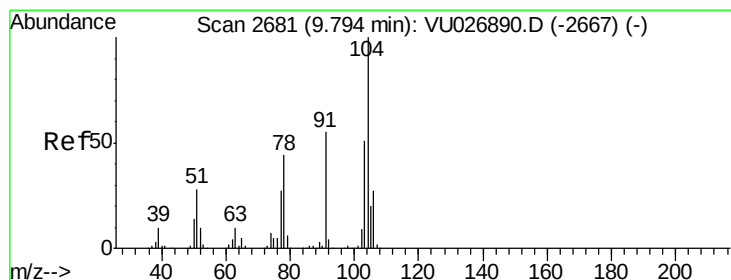
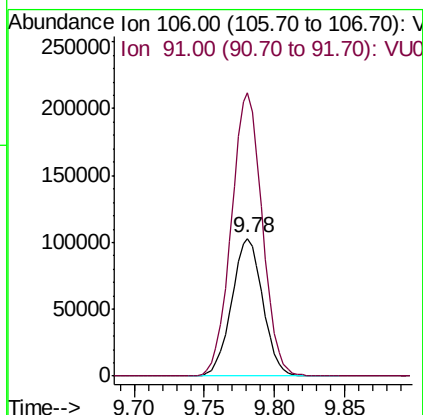
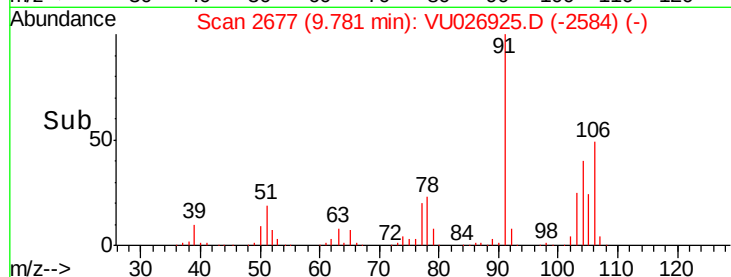
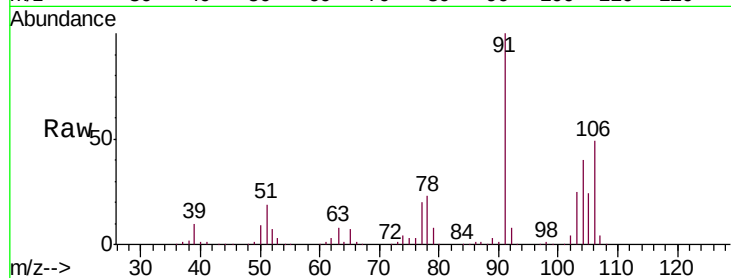




#54
o-xylene
Concen: 57.245 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

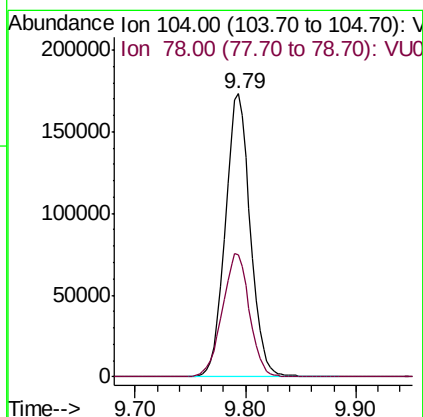
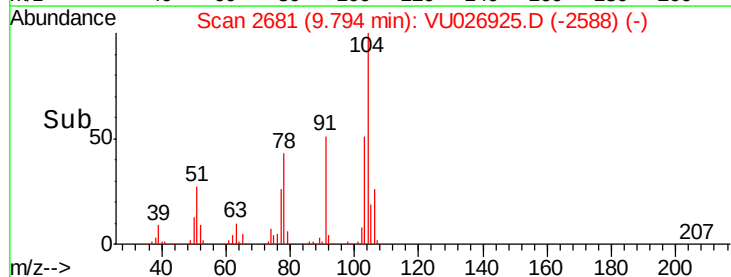
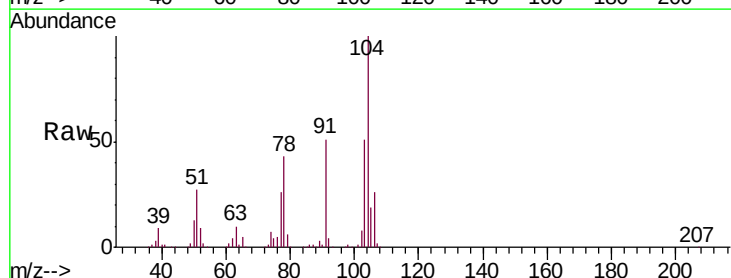
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

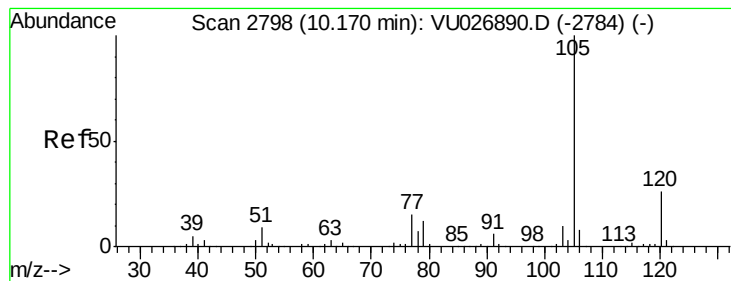
Tgt Ion:106 Resp: 158689
Ion Ratio Lower Upper
106 100
91 205.5 143.1 265.9



#55
Styrene
Concen: 56.854 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026925.D
Acq: 20 Sep 2018 09:42

Tgt Ion:104 Resp: 272108
Ion Ratio Lower Upper
104 100
78 43.2 30.5 56.7





#56

Isopropylbenzene

Concen: 56.567 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

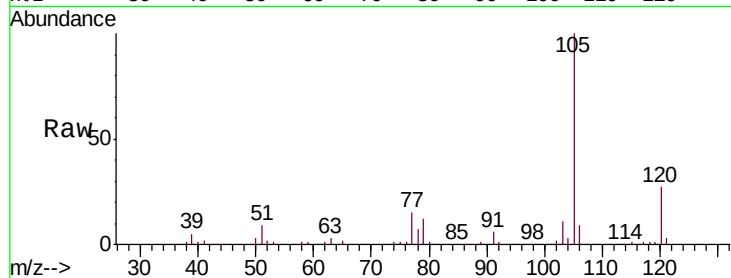
Tgt Ion: 105 Resp: 400555

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

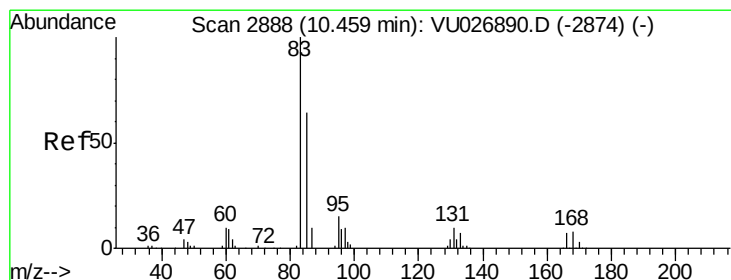
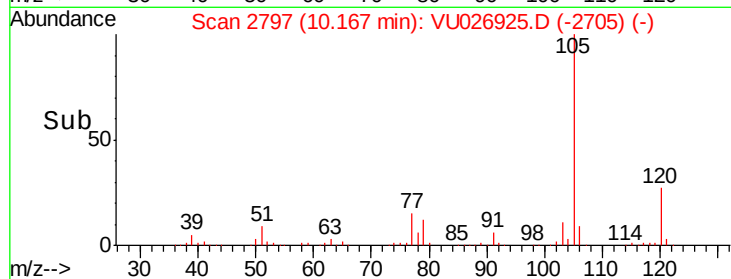
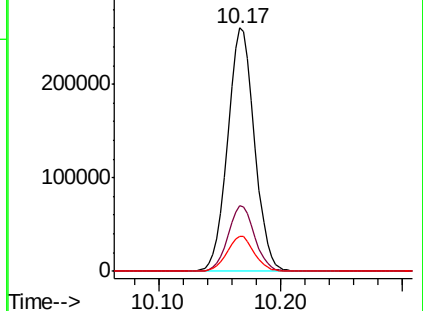
77 14.6 12.2 18.4



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: 51.571 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

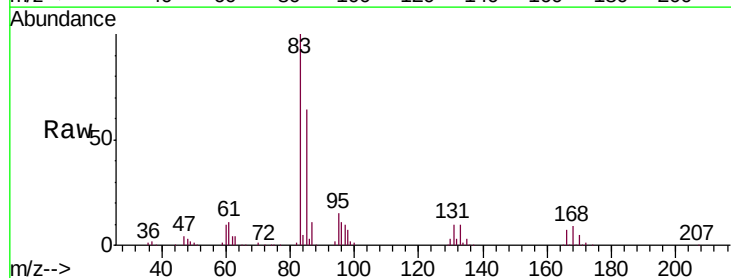
Tgt Ion: 83 Resp: 151670

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.2

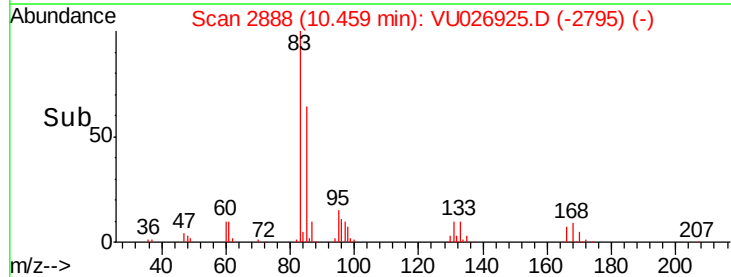
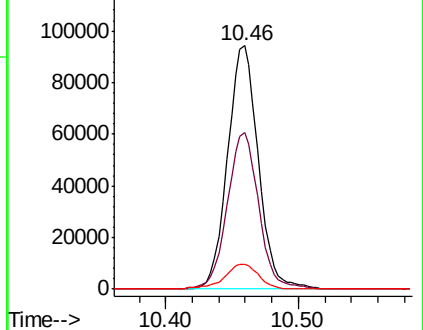
131 10.4 7.9 11.9

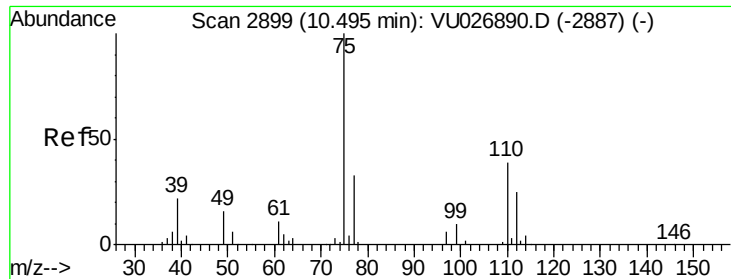


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

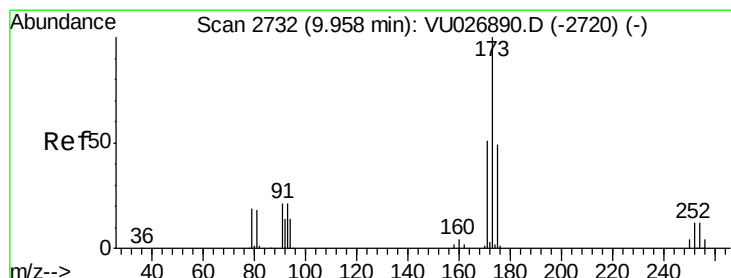
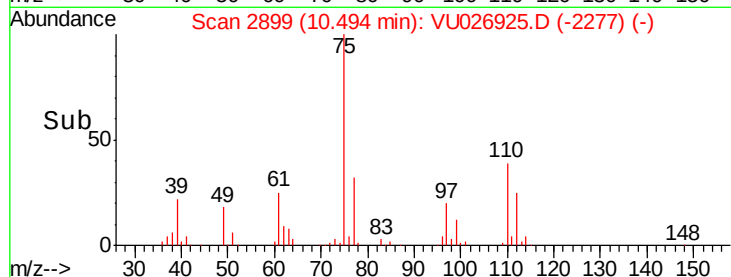
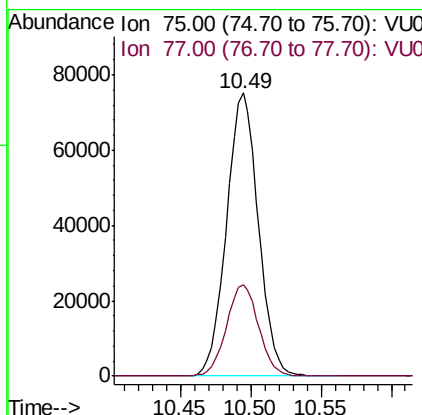
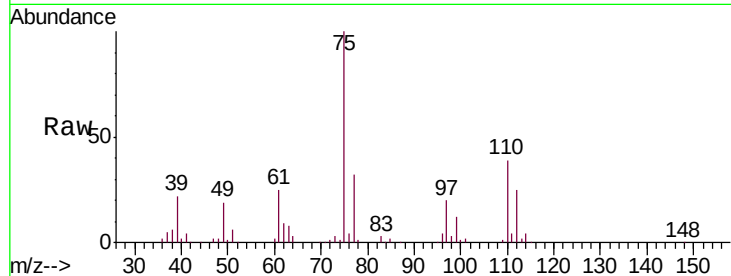




#59
 1,2,3-Trichloropropane
 Concen: 51.462 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

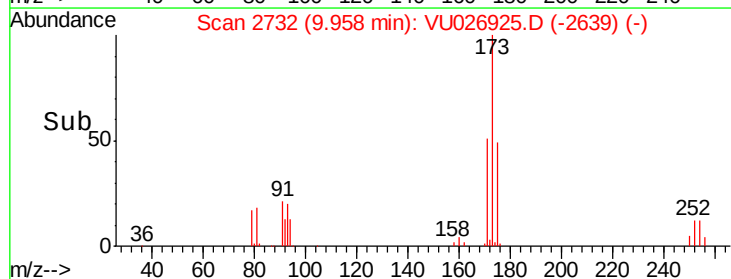
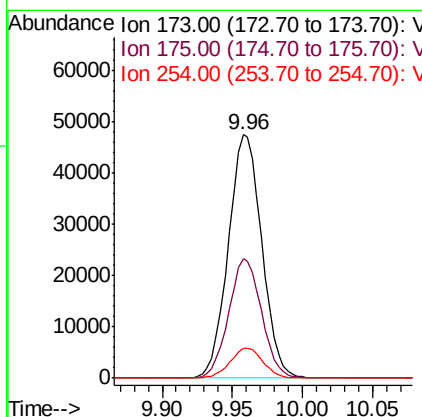
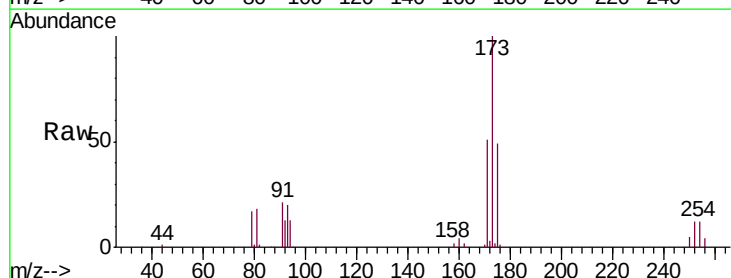
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

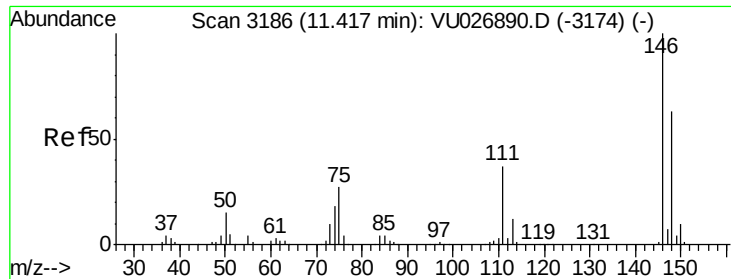
Tgt Ion: 75 Resp: 118224
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.5 38.3



#61
 Bromoform
 Concen: 50.838 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Tgt Ion: 173 Resp: 78732
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.6 57.8
 254 12.1 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 53.284 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

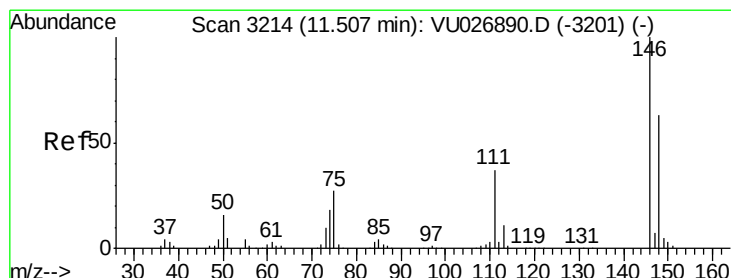
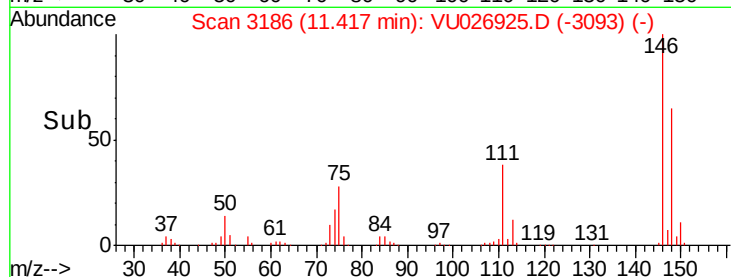
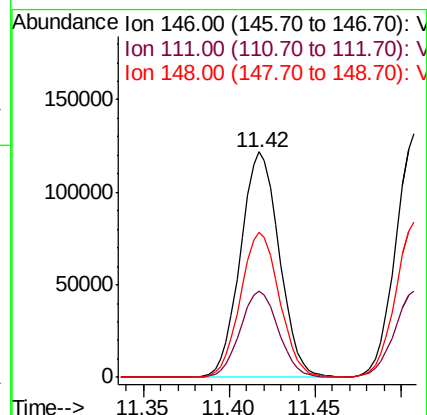
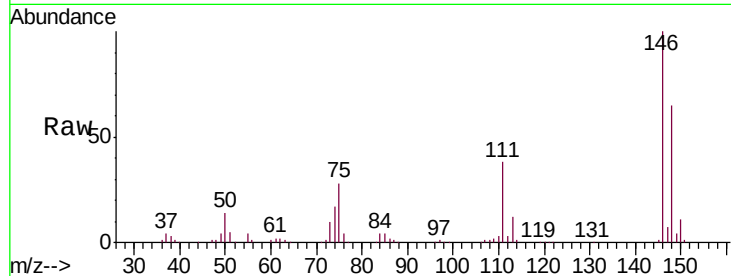
Tgt Ion:146 Resp: 191298

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

148 64.5 44.9 83.5



#63

1,4-Dichlorobenzene

Concen: 50.796 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

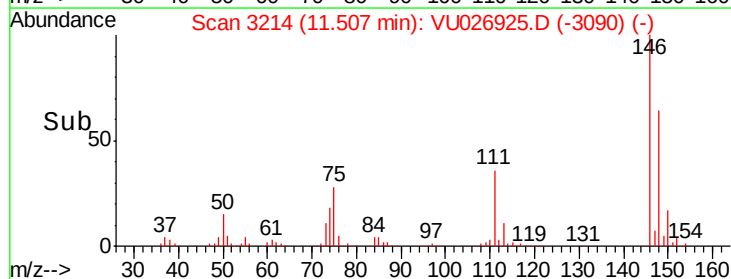
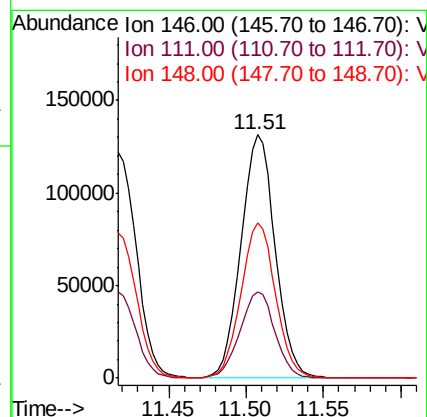
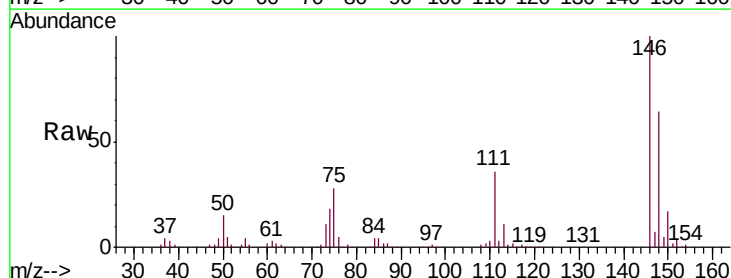
Tgt Ion:146 Resp: 200807

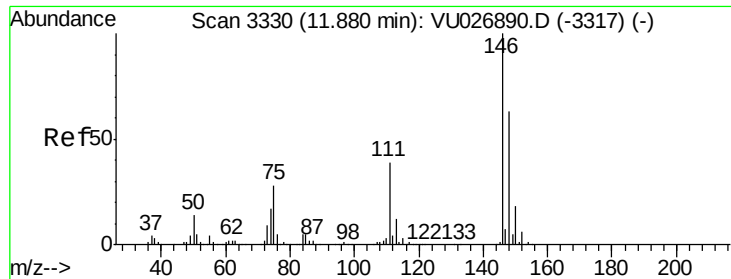
Ion Ratio Lower Upper

146 100

111 35.7 26.0 48.2

148 63.8 45.8 85.2

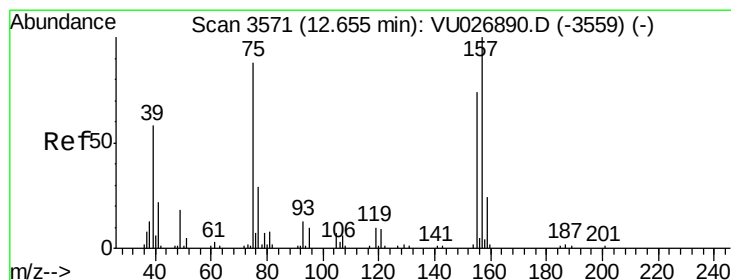
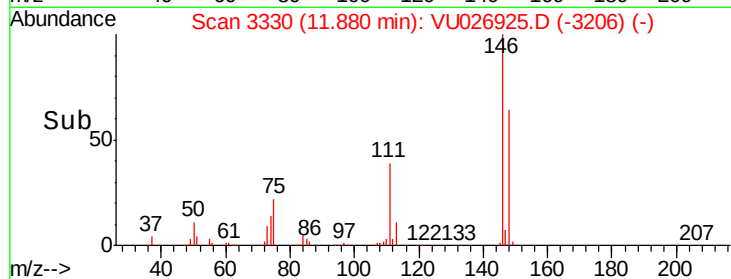
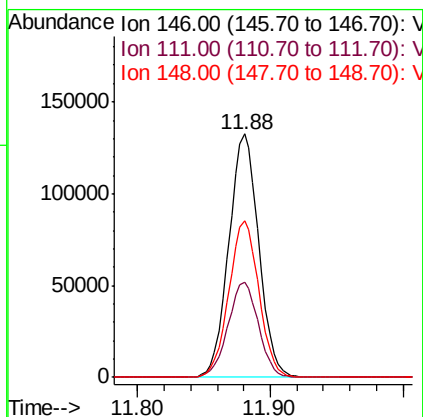
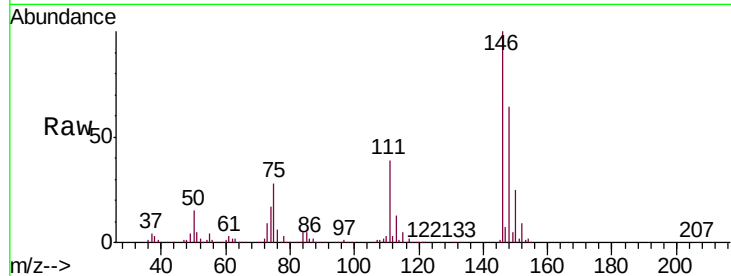




#65
 1,2-Dichlorobenzene
 Concen: 52.189 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

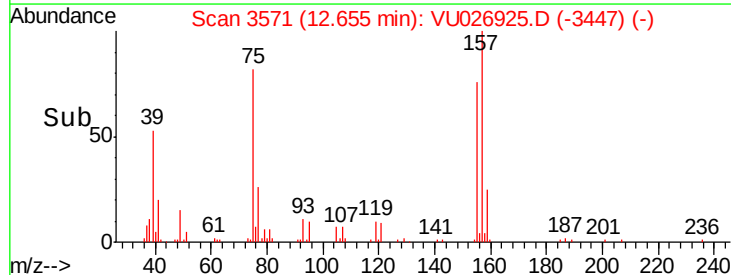
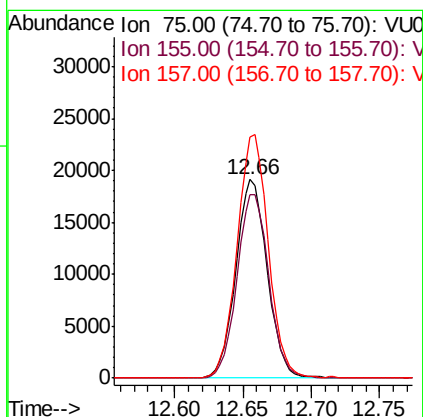
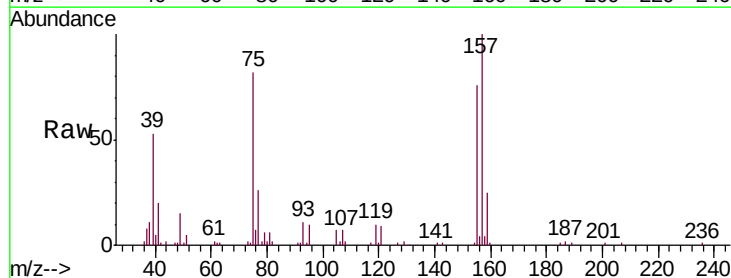
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

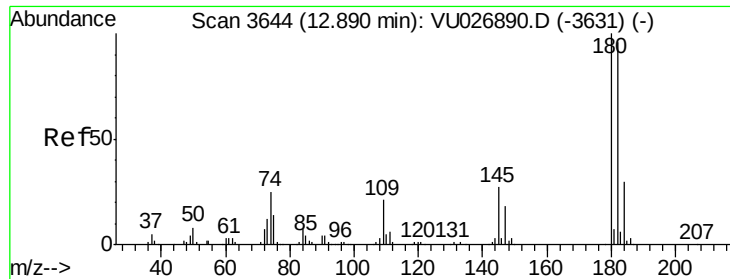
Tgt Ion: 146 Resp: 207463
 Ion Ratio Lower Upper
 146 100
 111 39.3 31.4 47.0
 148 64.5 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.602 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Tgt Ion: 75 Resp: 30517
 Ion Ratio Lower Upper
 75 100
 155 92.6 69.5 104.3
 157 121.4 90.5 135.7

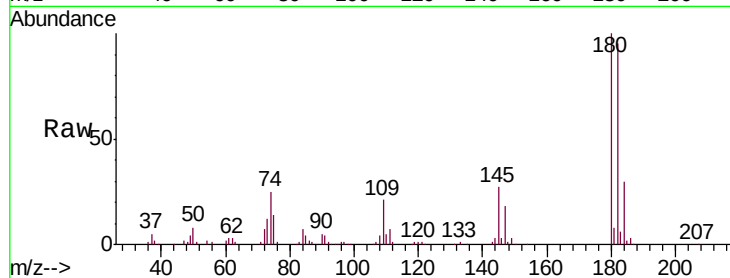




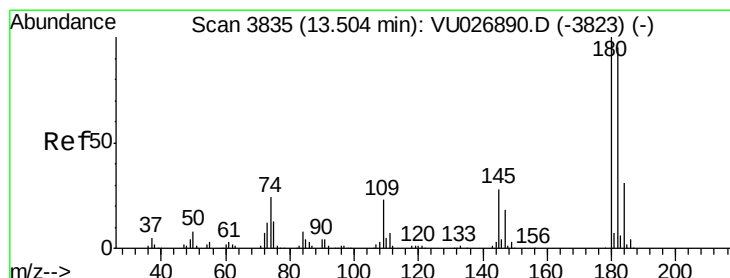
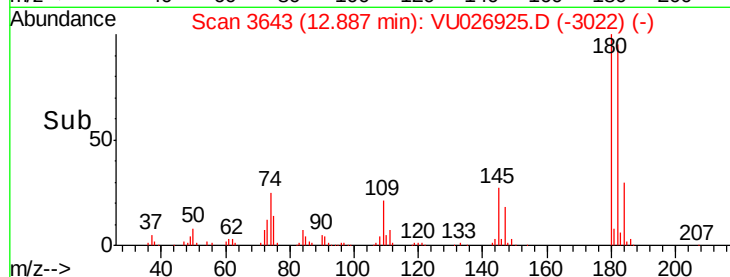
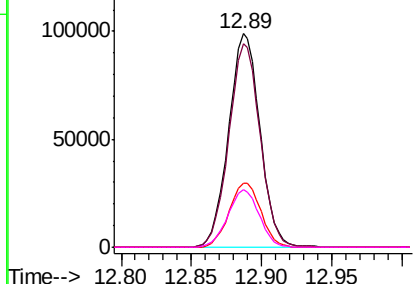
#67
 1,3,5-Trichlorobenzene
 Concen: 55.485 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion:180 Resp: 154148
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 184 30.5 24.2 36.4
 145 26.9 21.8 32.6

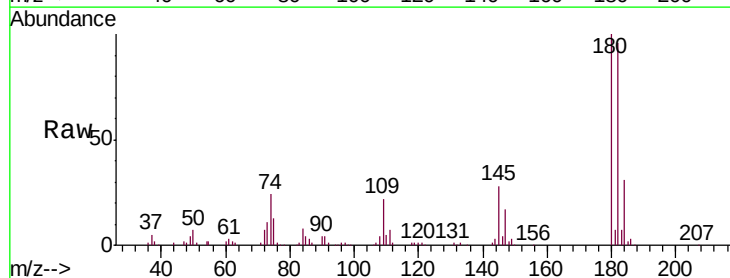


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

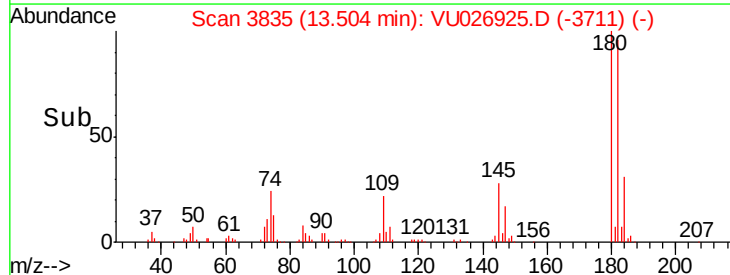
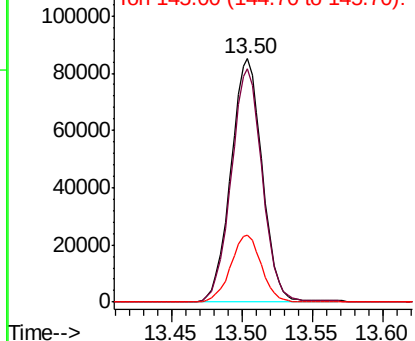


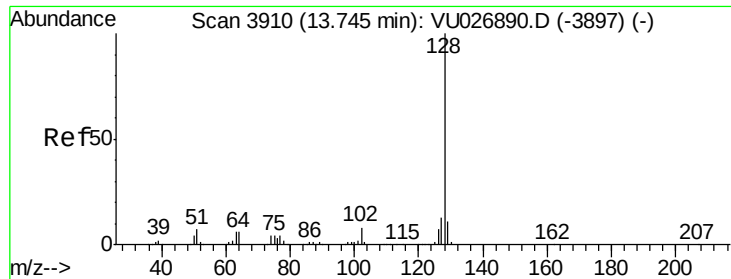
#68
 1,2,4-trichlorobenzene
 Concen: 55.341 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026925.D
 Acq: 20 Sep 2018 09:42

Tgt Ion:180 Resp: 132490
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.8 115.2
 145 27.0 22.2 33.2



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: 59.200 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

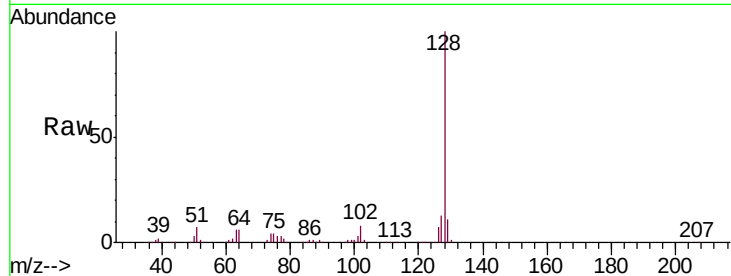
Tgt Ion:128 Resp: 417541

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

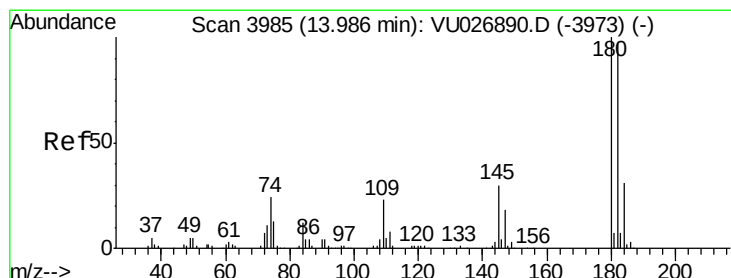
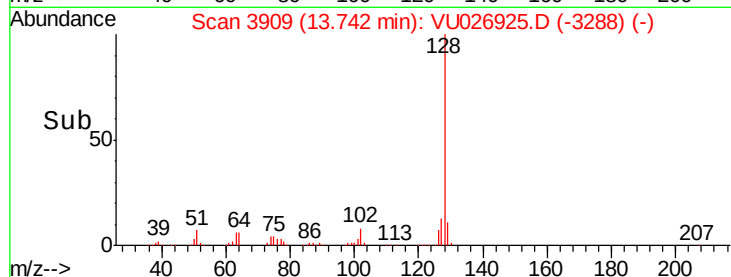
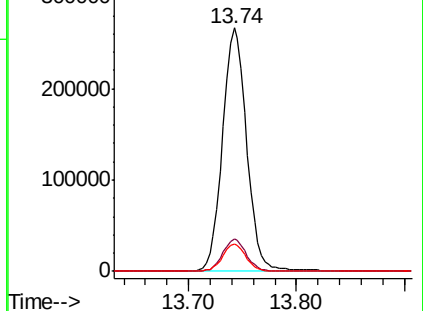
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 56.262 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026925.D

Acq: 20 Sep 2018 09:42

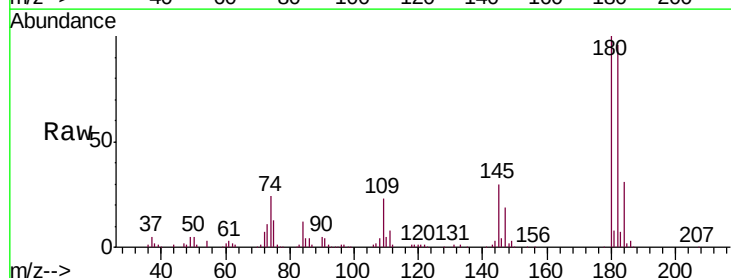
Tgt Ion:180 Resp: 148328

Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

145 29.7 23.8 35.6



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

