

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062218\
 Data File : VU024837.D
 Acq On : 22 Jun 2018 15:52
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Jun 23 01:11:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 23 01:10:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	337800	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	316496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	166135	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76216	39.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.84%
7) Chloroethane-d5	1.68	69	67797	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.16%
11) 1,1-Dichloroethene-d2	2.27	63	174232	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.20%
21) 2-Butanone-d5	4.18	46	167047	102.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.36%
24) Chloroform-d	4.65	84	189453	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
26) 1,2-Dichloroethane-d4	5.31	65	128684	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
32) Benzene-d6	5.35	84	369016	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
36) 1,2-Dichloropropane-d6	6.34	67	124855	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.68%
41) Toluene-d8	7.57	98	363649	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%
43) trans-1,3-Dichloropropene-	7.85	79	61313	47.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.00%
47) 2-Hexanone-d5	8.31	63	132355	100.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.56%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	184134	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	163007	50.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	133039	48.690	ug/L 100
3) Chloromethane	1.33	50	117255	47.723	ug/L 98
5) Vinyl chloride	1.40	62	117810	44.760	ug/L 99
6) Bromomethane	1.63	94	63676	51.246	ug/L 93
8) Chloroethane	1.70	64	73835	47.774	ug/L 100
9) Trichlorofluoromethane	1.89	101	187429	48.506	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	108010	49.280	ug/L 99
12) 1,1-Dichloroethene	2.28	96	95790	47.709	ug/L 95
13) Acetone	2.32	43	160973	92.397	ug/L 100
14) Carbon disulfide	2.48	76	272972	41.490	ug/L 100
15) Methyl Acetate	2.62	43	128787	48.234	ug/L 98
16) Methylene chloride	2.70	84	114504	46.375	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	100641	44.421	ug/L 95
18) Methyl tert-butyl Ether	3.00	73	364237	49.444	ug/L 99
19) 1,1-Dichloroethane	3.45	63	204716	49.087	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	124149	47.006	ug/L 97
22) 2-Butanone	4.26	43	206030	92.804	ug/L 98

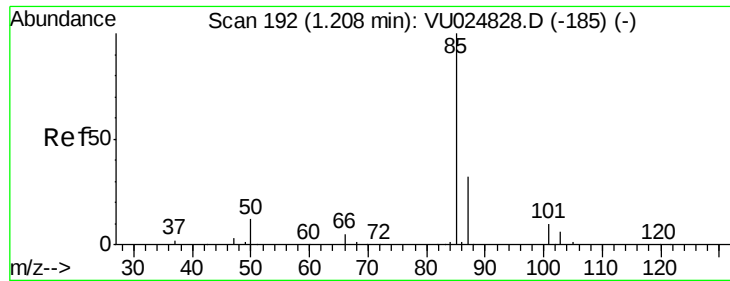
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062218\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 23 01:10:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	63664	48.054	ug/L	97
25) Chloroform	4.68	83	216269	50.274	ug/L	95
27) 1,2-Dichloroethane	5.41	62	176982	53.379	ug/L	98
29) Cyclohexane	5.00	56	190857	48.647	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	188779	49.239	ug/L	98
31) Carbon tetrachloride	5.14	117	168590	48.043	ug/L	100
33) Benzene	5.39	78	456641	49.099	ug/L	100
34) Trichloroethene	6.19	95	117199	45.596	ug/L	100
35) Methylcyclohexane	6.42	83	197541	47.807	ug/L	97
37) 1,2-Dichloropropane	6.44	63	125966	48.725	ug/L	100
38) Bromodichloromethane	6.76	83	165971	48.706	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	196483	48.486	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	370412	96.497	ug/L	99
42) Toluene	7.64	91	504235	48.789	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	183275	49.453	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	119071	48.949	ug/L	98
46) Tetrachloroethene	8.23	164	101101	46.726	ug/L	98
48) 2-Hexanone	8.36	43	304176	97.520	ug/L	99
49) Dibromochloromethane	8.48	129	141014	47.312	ug/L	97
50) 1,2-Dibromoethane	8.59	107	127003	47.573	ug/L	99
51) Chlorobenzene	9.12	112	334049	48.232	ug/L	99
52) Ethylbenzene	9.25	91	571271	48.212	ug/L	100
53) m,p-Xylene	9.38	106	221489	48.575	ug/L	100
54) o-xylene	9.78	106	223528	49.691	ug/L	98
55) Styrene	9.80	104	370737	48.469	ug/L	98
56) Isopropylbenzene	10.17	105	594032	50.050	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	202263	48.257	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	165500	50.359	ug/L	98
61) Bromoform	9.96	173	109708	45.531	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	271383	48.617	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	274590	48.770	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	287499	51.465	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	49570	50.704	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	218351	48.924	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	188448	50.769	ug/L	98
69) Naphthalene	13.74	128	572384	55.830	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	201211	53.458	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.690 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

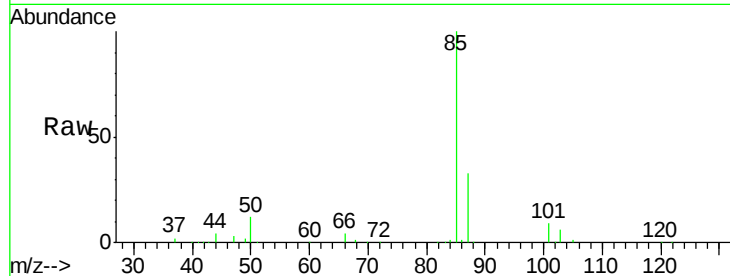
VSTD05053

Tgt Ion: 85 Resp: 133039

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU024837.D (-99) (-)

Ion 87.00 (86.70 to 87.70): VU024837.D (-99) (-)

1.21

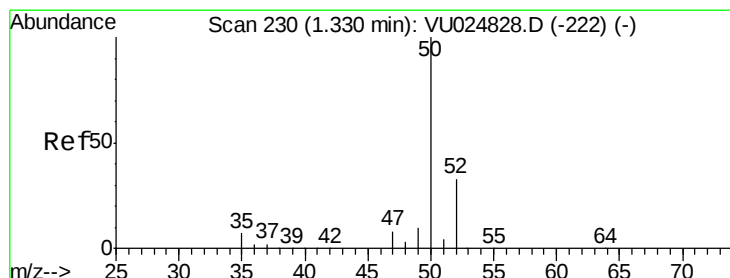
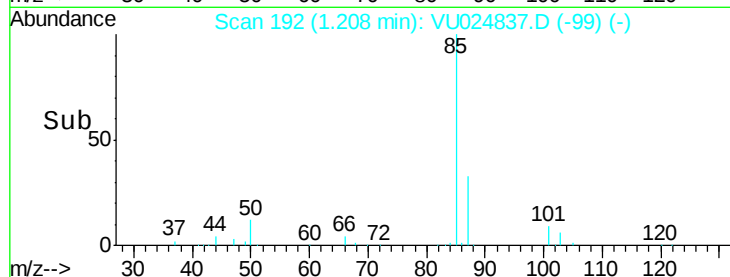
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.723 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024837.D

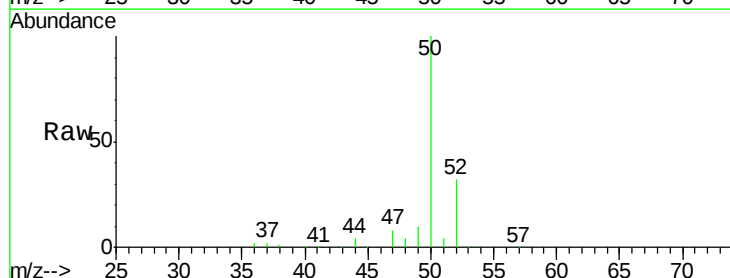
Acq: 22 Jun 2018 15:52

Tgt Ion: 50 Resp: 117255

Ion Ratio Lower Upper

50 100

52 32.5 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU024837.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU024837.D (-137) (-)

1.33

120000

100000

80000

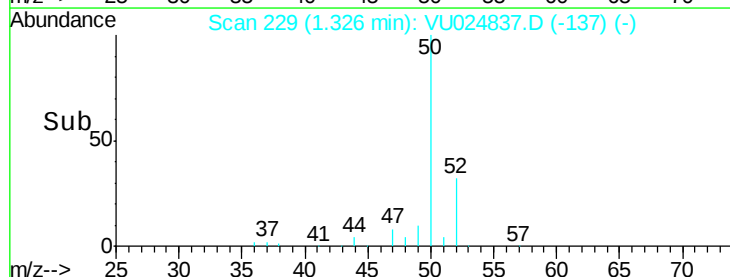
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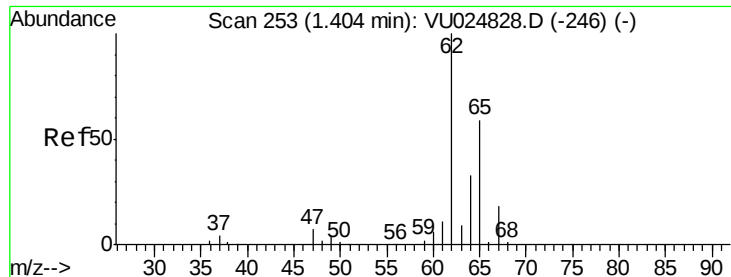
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 44.760 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

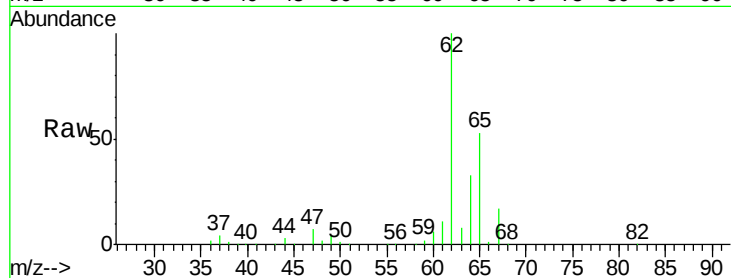
VSTD05053

Tgt Ion: 62 Resp: 117810

Ion Ratio Lower Upper

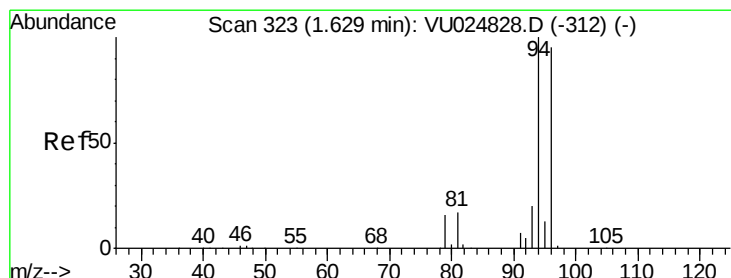
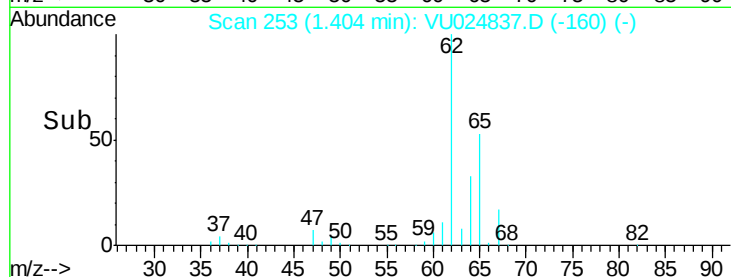
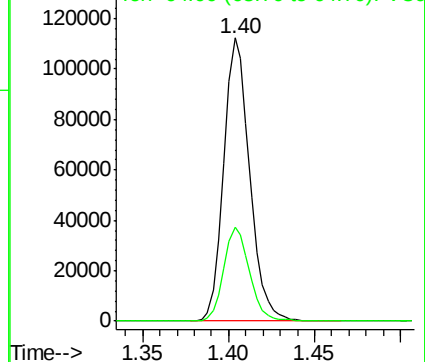
62 100

64 33.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 51.246 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU024837.D

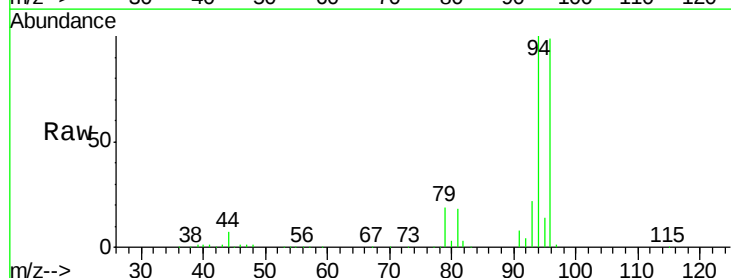
Acq: 22 Jun 2018 15:52

Tgt Ion: 94 Resp: 63676

Ion Ratio Lower Upper

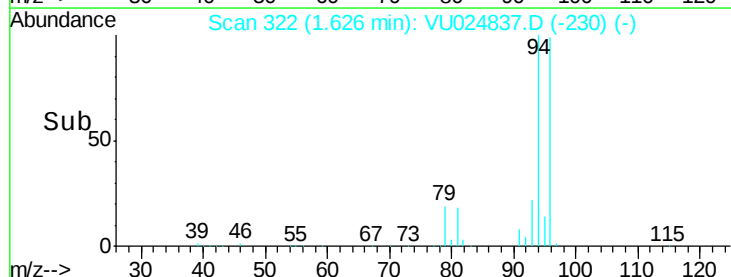
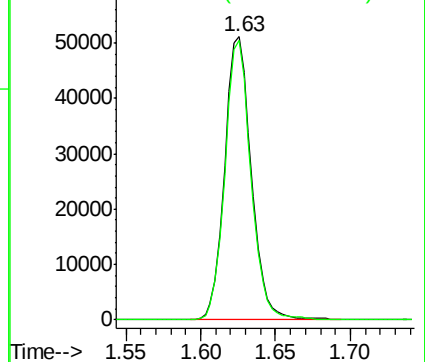
94 100

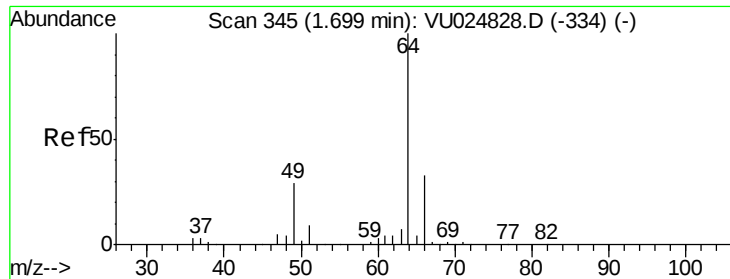
96 98.6 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 47.774 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

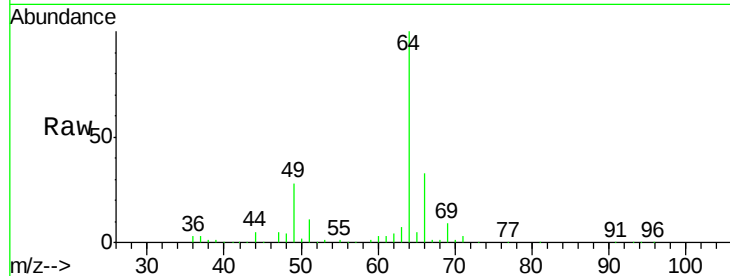
VSTD05053

Tgt Ion: 64 Resp: 73835

Ion Ratio Lower Upper

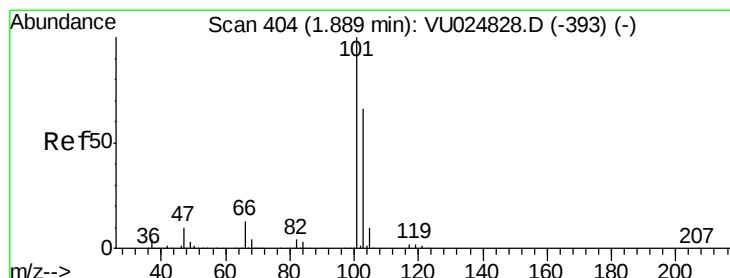
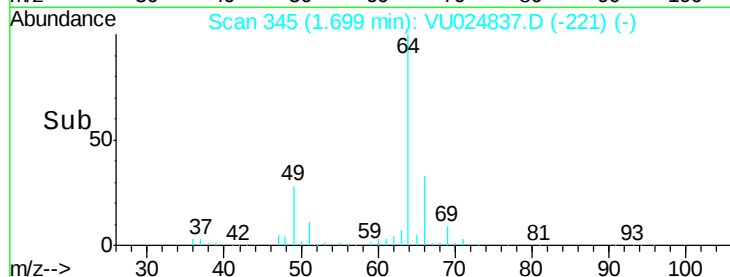
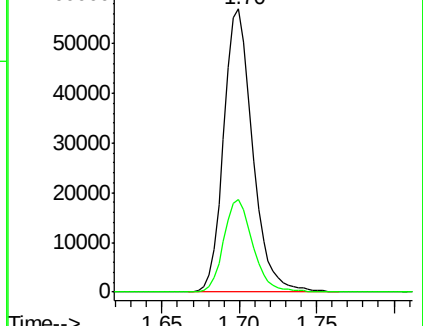
64 100

66 32.6 22.7 42.3



Abundance Ion 64.00 (63.70 to 64.70): VU024828.D (-334) (-)

Ion 66.00 (65.70 to 66.70): VU024828.D (-334) (-)



#9

Trichlorofluoromethane

Concen: 48.506 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU024837.D

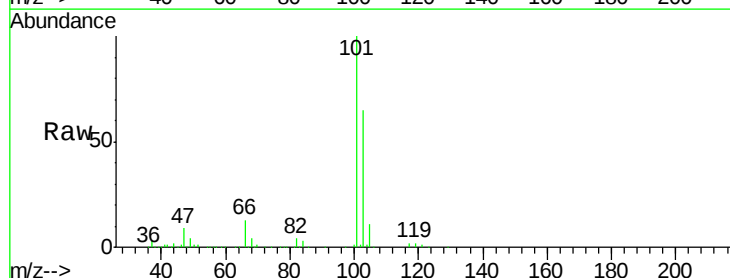
Acq: 22 Jun 2018 15:52

Tgt Ion: 101 Resp: 187429

Ion Ratio Lower Upper

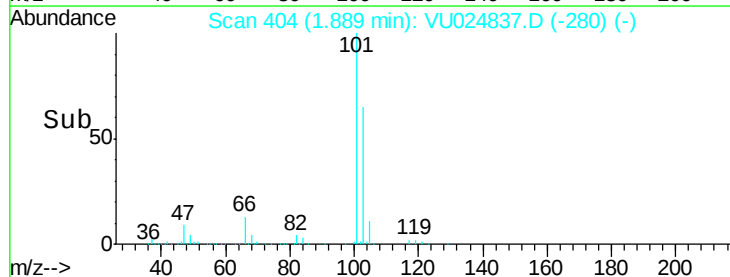
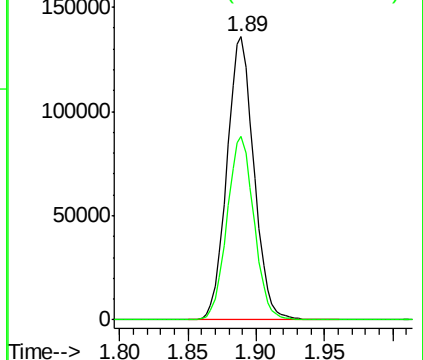
101 100

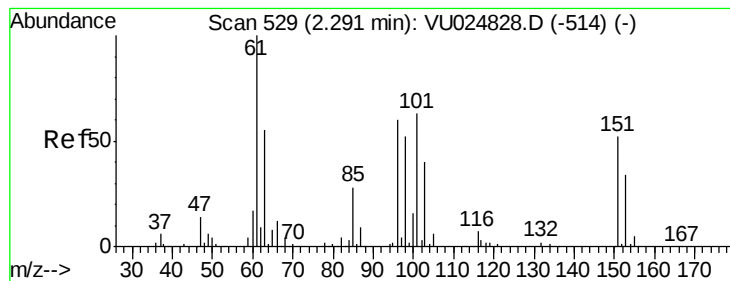
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU024828.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU024828.D (-393) (-)





#10

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

Concen: 49.280 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

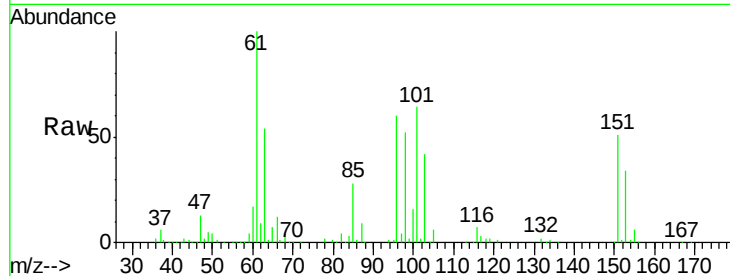
Tgt Ion: 101 Resp: 108010

Ion Ratio Lower Upper

101 100

85 43.1 35.2 52.8

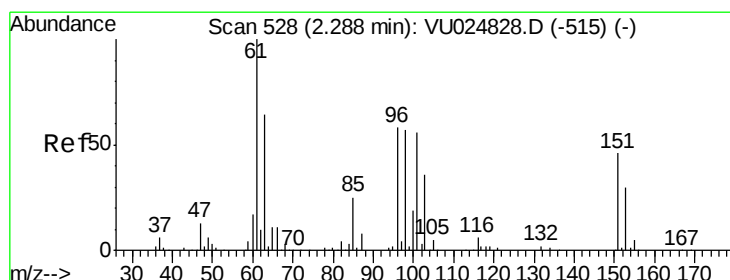
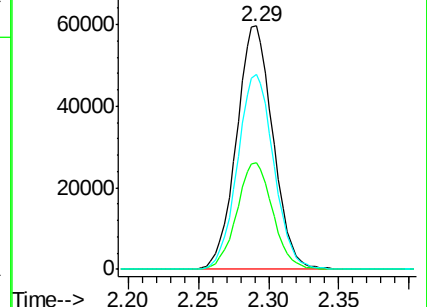
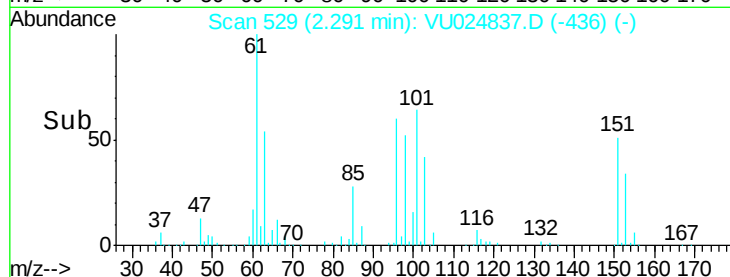
151 79.8 64.6 97.0



Abundance Ion 101.00 (100.70 to 101.70): VU024837.D (-436) (-)

Ion 85.00 (84.70 to 85.70): VU024837.D (-436) (-)

Ion 151.00 (150.70 to 151.70): VU024837.D (-436) (-)



#12

1,1-Dichloroethene

Concen: 47.709 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

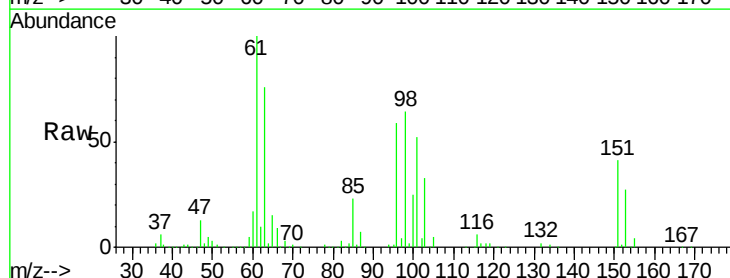
Tgt Ion: 96 Resp: 95790

Ion Ratio Lower Upper

96 100

61 169.2 117.9 218.9

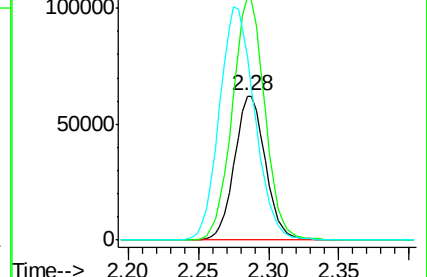
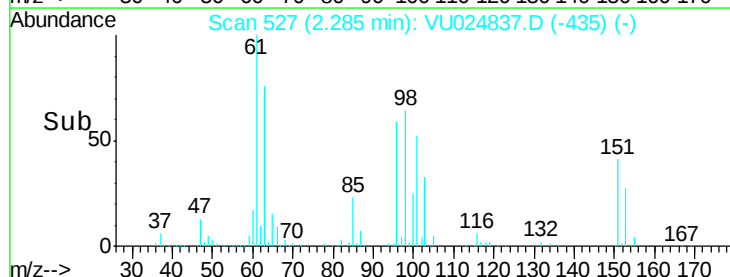
63 127.8 81.4 151.2

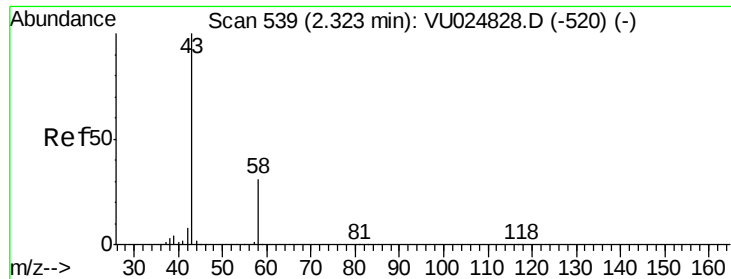


Abundance Ion 96.00 (95.70 to 96.70): VU024837.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VU024837.D (-435) (-)

Ion 63.00 (62.70 to 63.70): VU024837.D (-435) (-)





#13

Acetone

Concen: 92.397 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

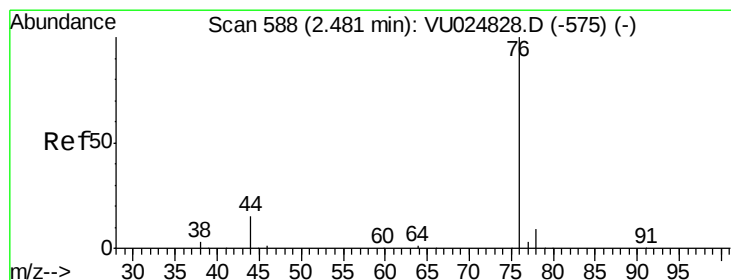
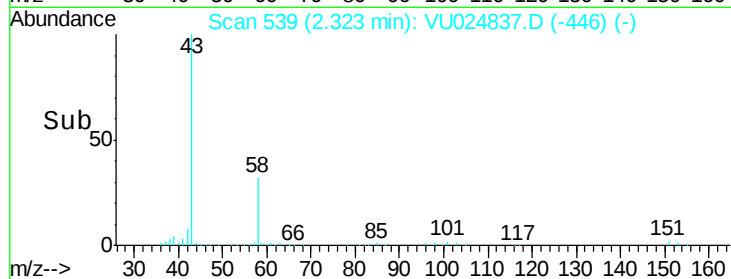
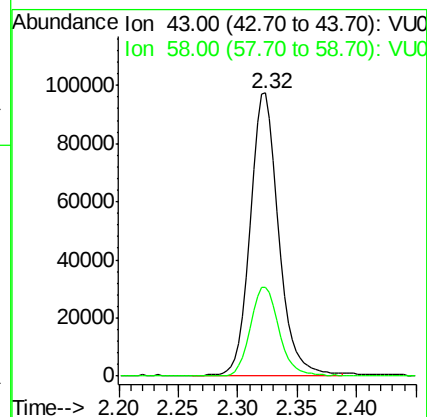
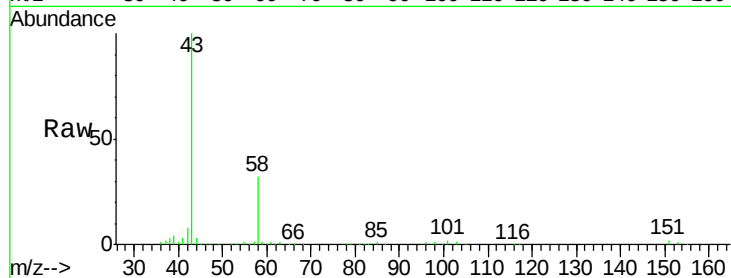
VSTD05053

Tgt Ion: 43 Resp: 160973

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.2



#14

Carbon disulfide

Concen: 41.490 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024837.D

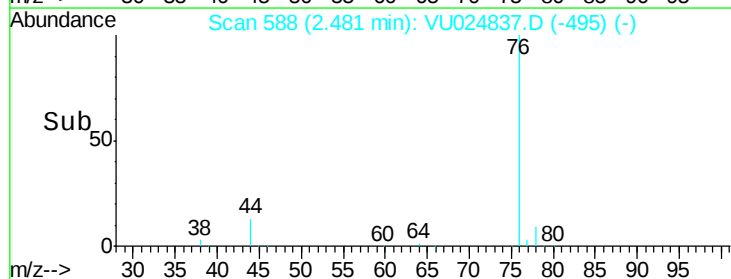
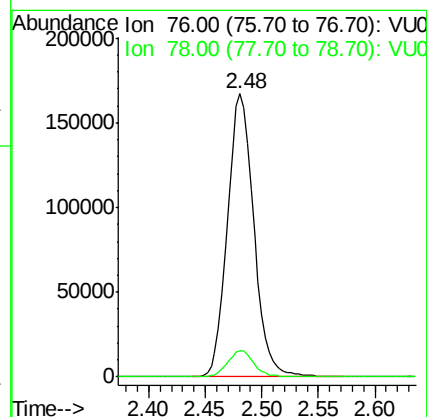
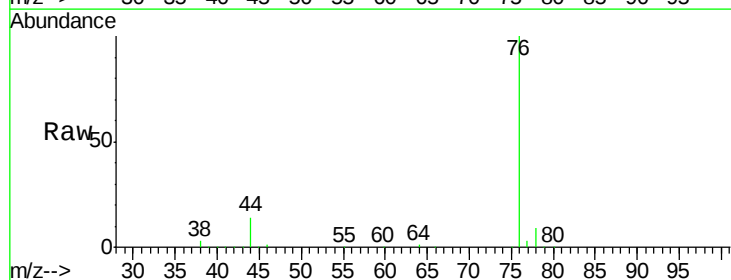
Acq: 22 Jun 2018 15:52

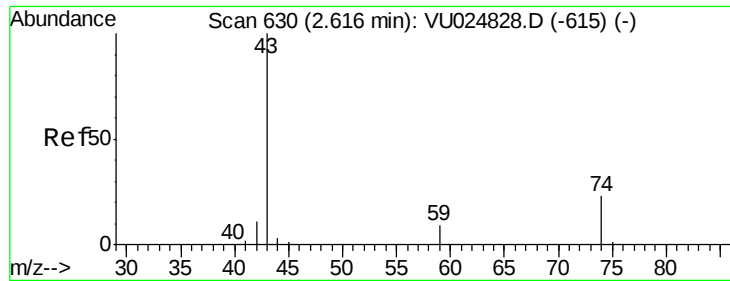
Tgt Ion: 76 Resp: 272972

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

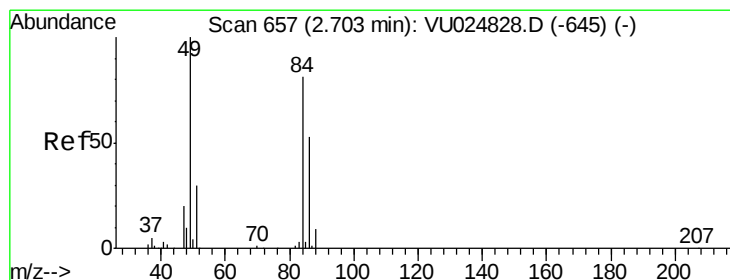
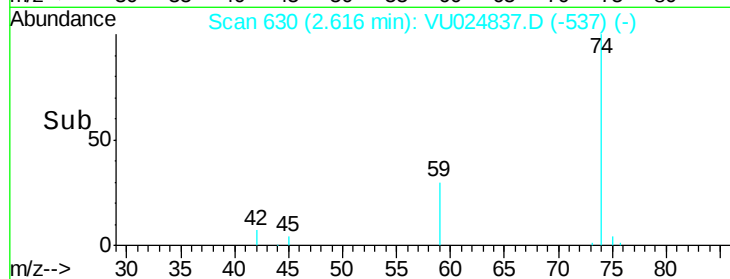
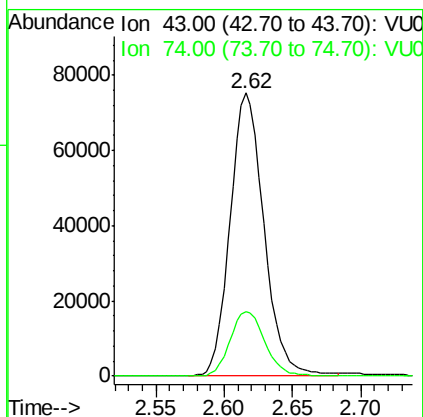
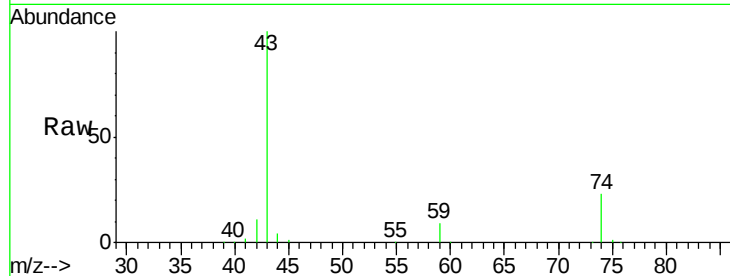




#15
Methyl Acetate
Concen: 48.234 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU024837.D
Acq: 22 Jun 2018 15:52

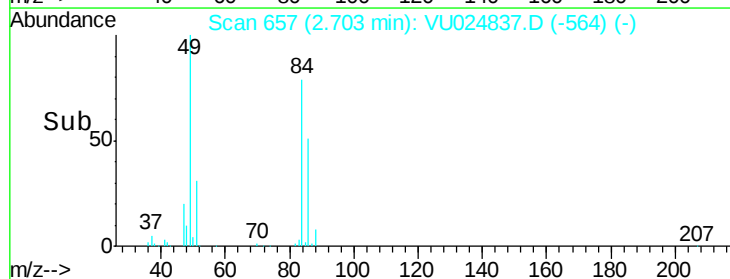
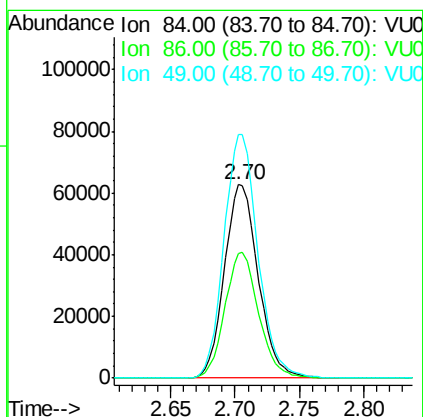
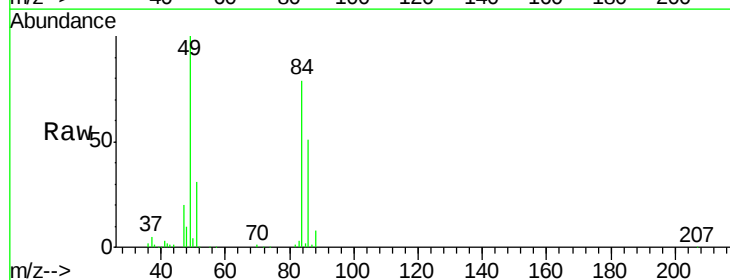
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

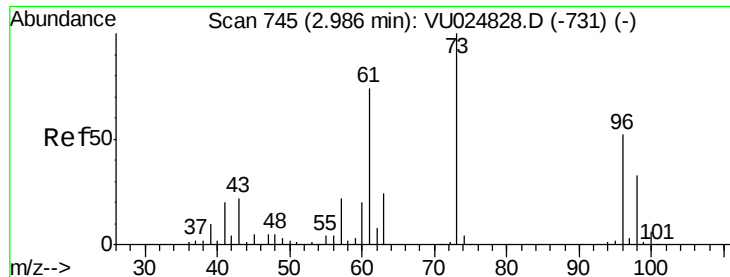
Tgt Ion: 43 Resp: 128787
Ion Ratio Lower Upper
43 100
74 23.9 18.4 27.6



#16
Methylene chloride
Concen: 46.375 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU024837.D
Acq: 22 Jun 2018 15:52

Tgt Ion: 84 Resp: 114504
Ion Ratio Lower Upper
84 100
86 64.7 46.1 85.7
49 126.1 85.5 158.9





#17

trans-1,2-Dichloroethene

Concen: 44.421 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

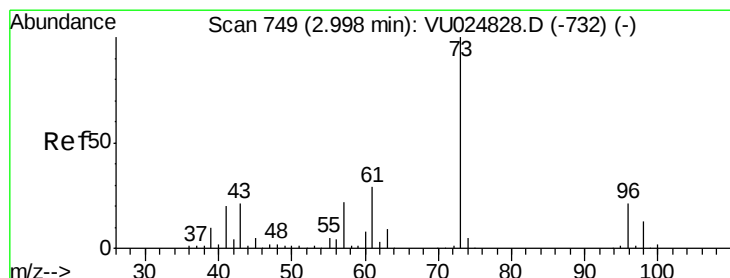
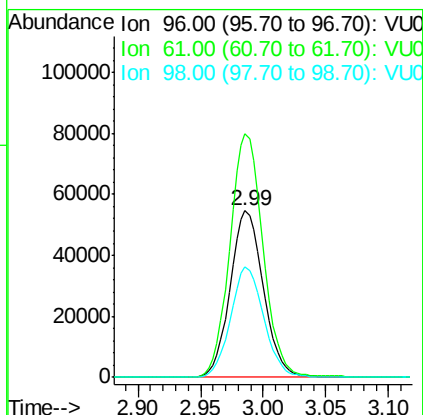
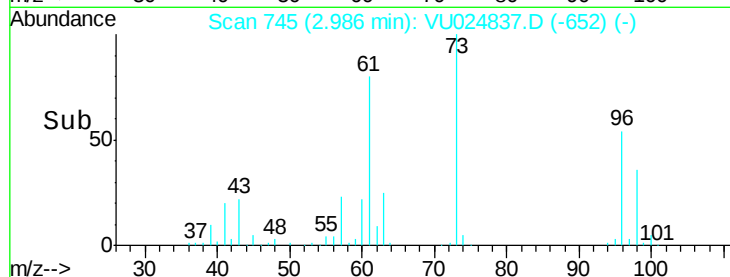
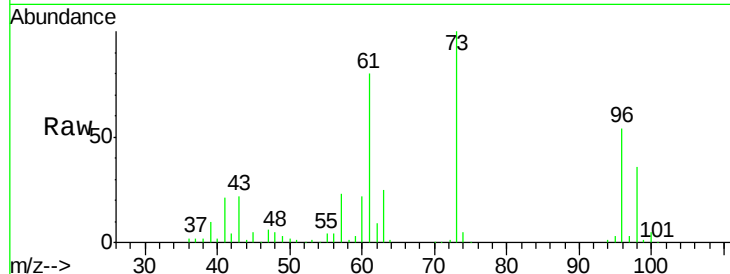
Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion: 96 Resp: 100641

Ion	Ratio	Lower	Upper
96	100		
61	146.4	97.4	180.8
98	66.4	44.9	83.5



#18

Methyl tert-butyl Ether

Concen: 49.444 ug/L

RT: 3.00 min Scan# 749

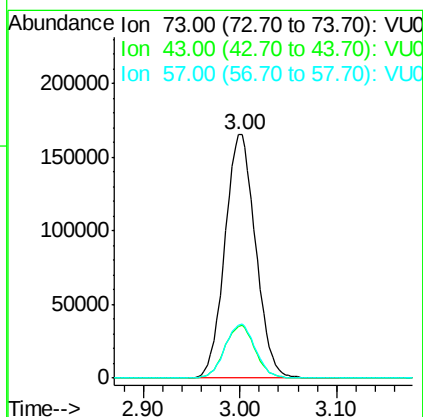
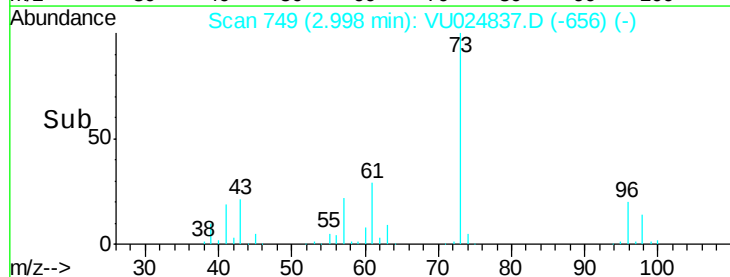
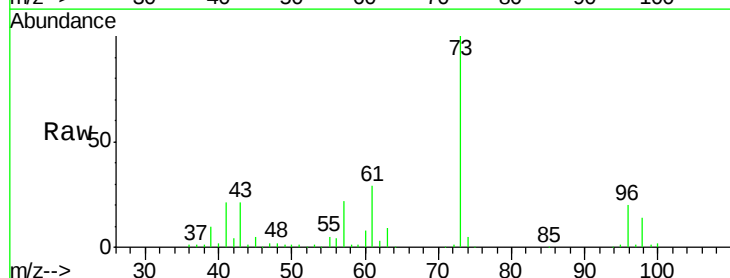
Delta R.T. 0.00 min

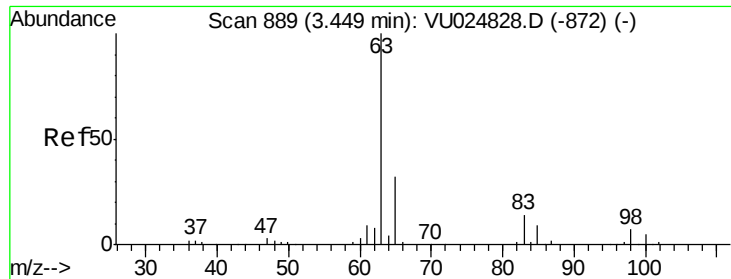
Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Tgt Ion: 73 Resp: 364237

Ion	Ratio	Lower	Upper
73	100		
43	21.4	16.4	24.6
57	22.1	17.9	26.9

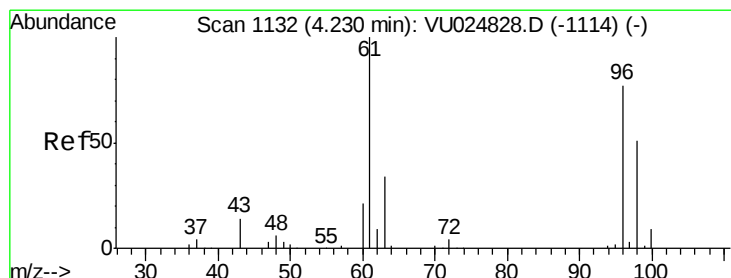
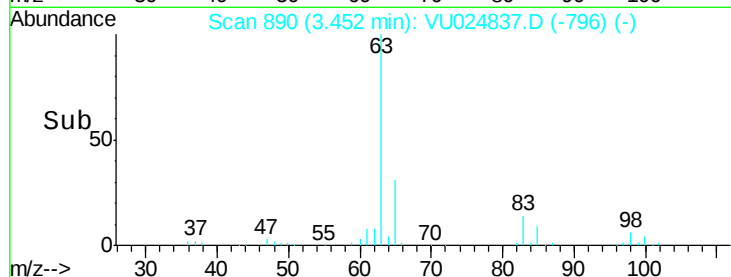
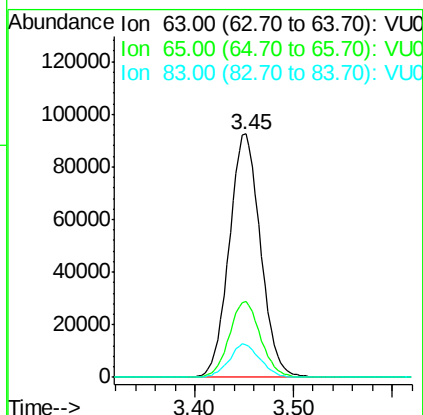
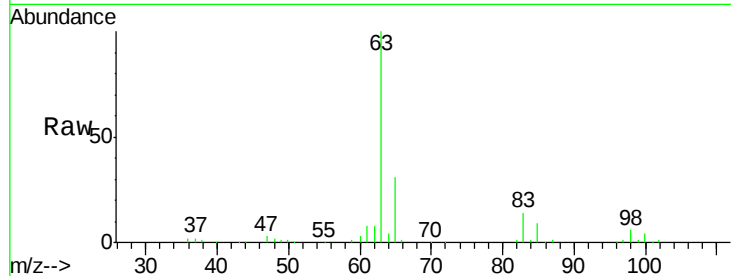




#19
 1,1-Dichloroethane
 Concen: 49.087 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

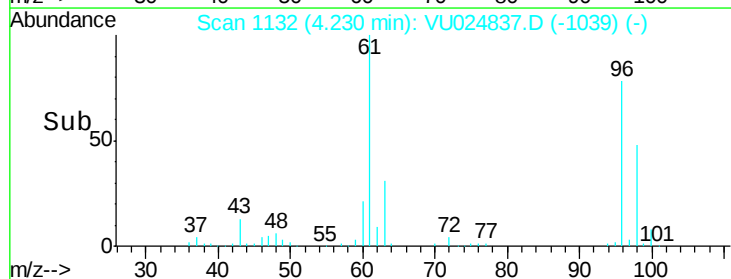
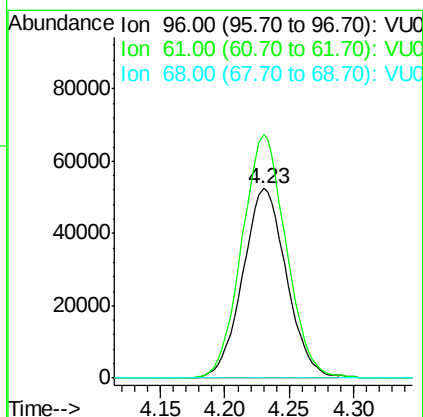
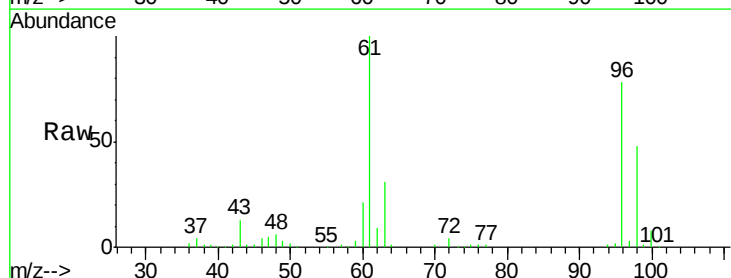
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

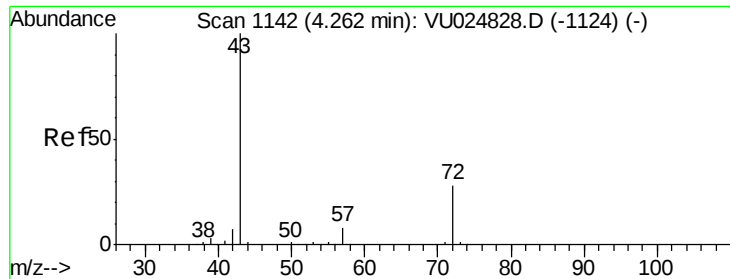
Tgt Ion: 63 Resp: 204716
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.2 41.2
 83 13.6 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.006 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

Tgt Ion: 96 Resp: 124149
 Ion Ratio Lower Upper
 96 100
 61 128.3 87.1 161.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.804 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

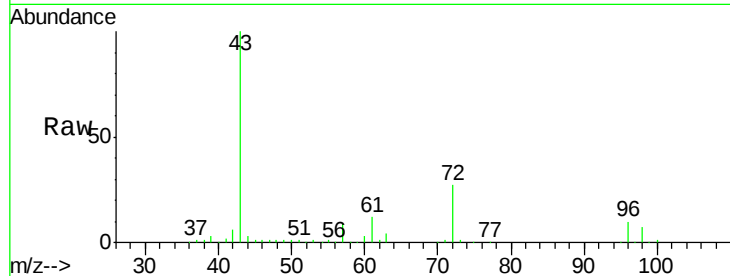
VSTD05053

Tgt Ion: 43 Resp: 206030

Ion Ratio Lower Upper

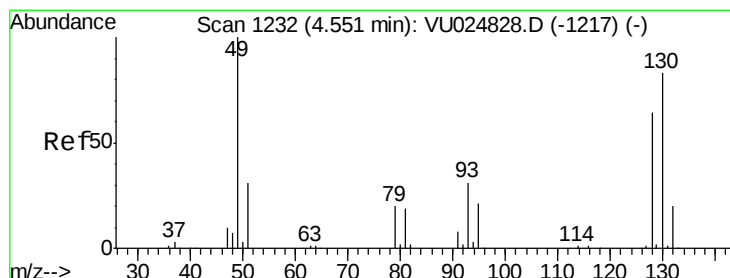
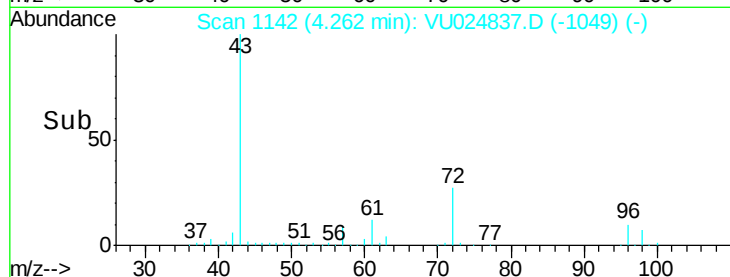
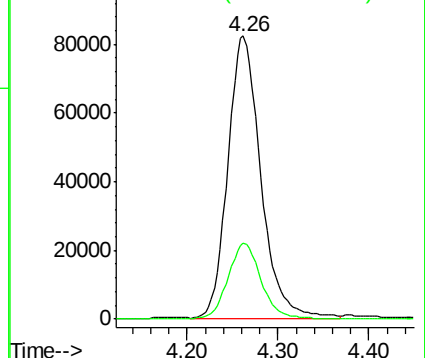
43 100

72 27.3 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 48.054 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Tgt Ion: 128 Resp: 63664

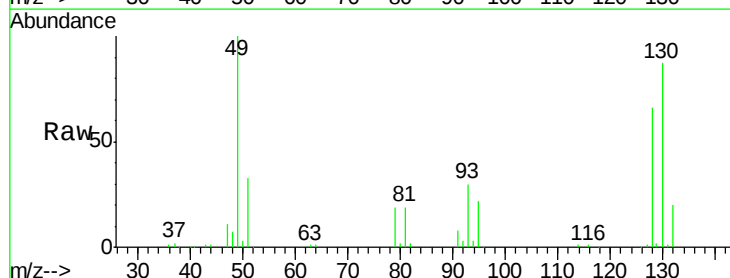
Ion Ratio Lower Upper

128 100

49 152.2 104.7 194.5

130 132.6 90.2 167.6

51 50.7 38.4 57.6

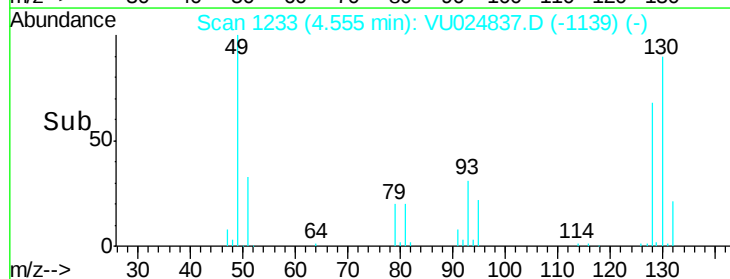
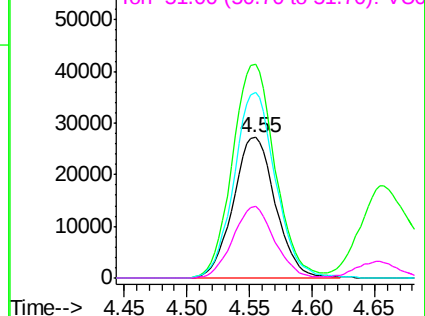


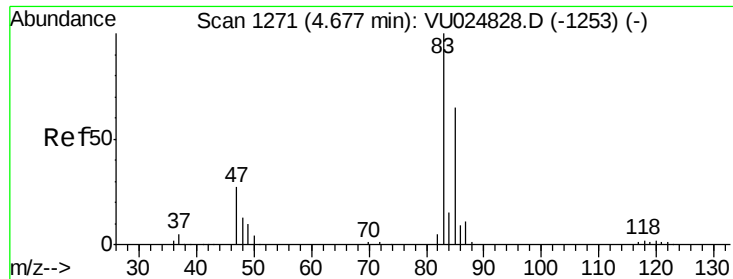
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

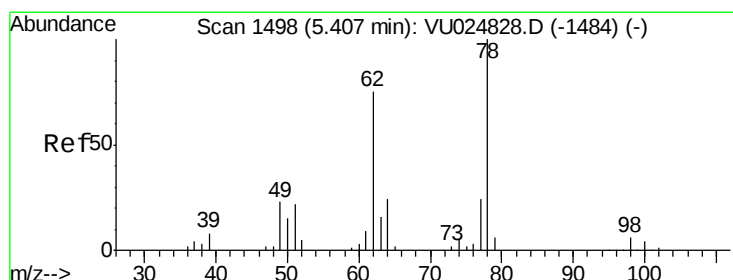
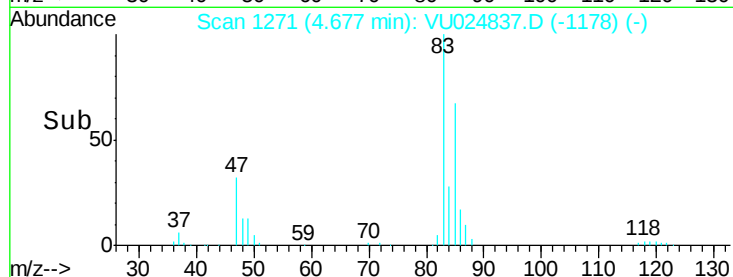
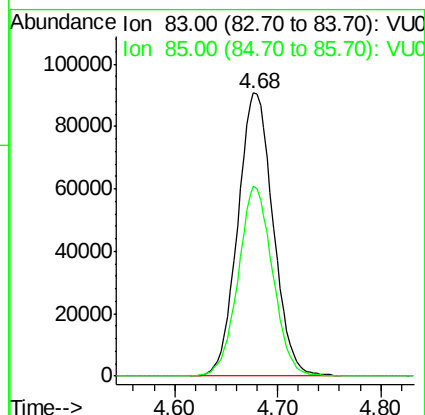
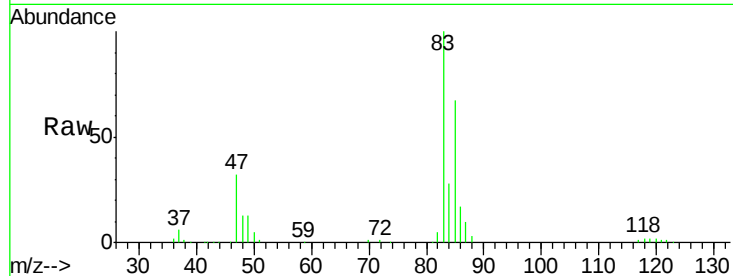




#25
Chloroform
Concen: 50.274 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU024837.D
Acq: 22 Jun 2018 15:52

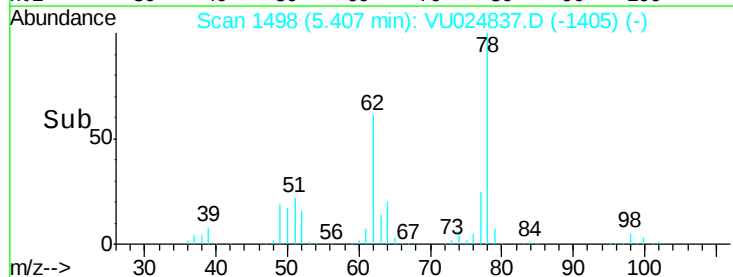
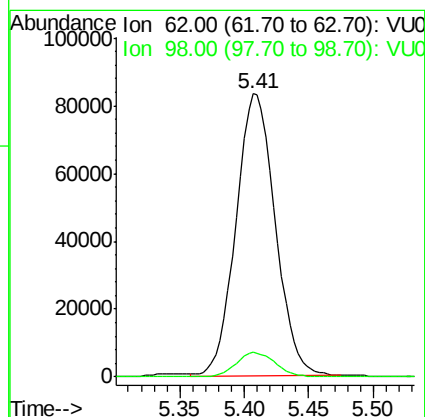
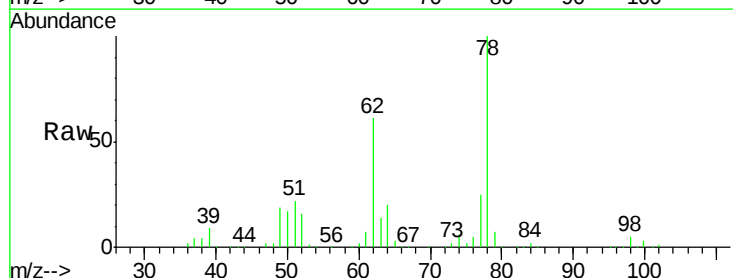
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

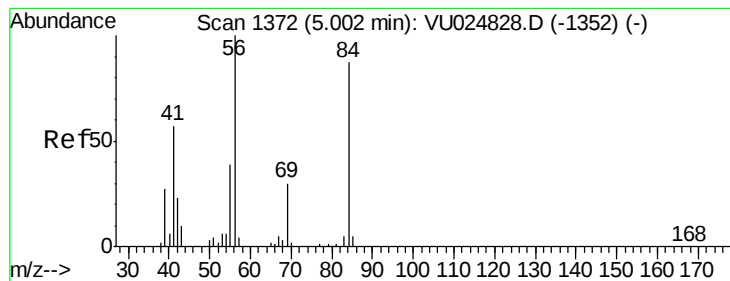
Tgt Ion: 83 Resp: 216269
Ion Ratio Lower Upper
83 100
85 67.3 44.4 82.5



#27
1,2-Dichloroethane
Concen: 53.379 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU024837.D
Acq: 22 Jun 2018 15:52

Tgt Ion: 62 Resp: 176982
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.2





#29

Cyclohexane

Concen: 48.647 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

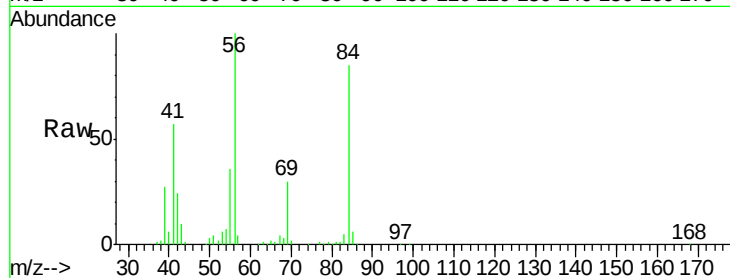
Tgt Ion: 56 Resp: 190857

Ion Ratio Lower Upper

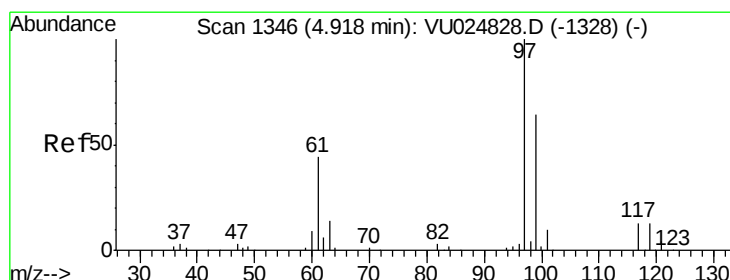
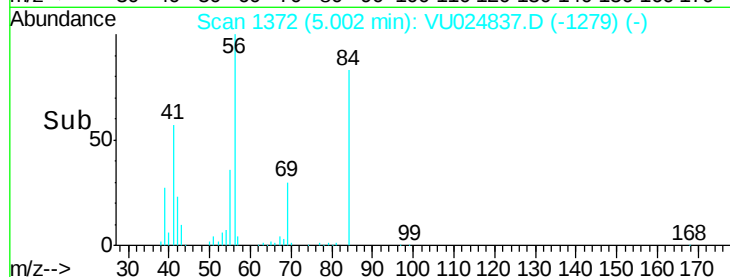
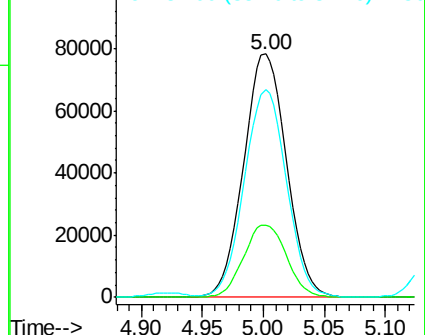
56 100

69 29.8 24.7 37.1

84 84.1 68.8 103.2



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: 49.239 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

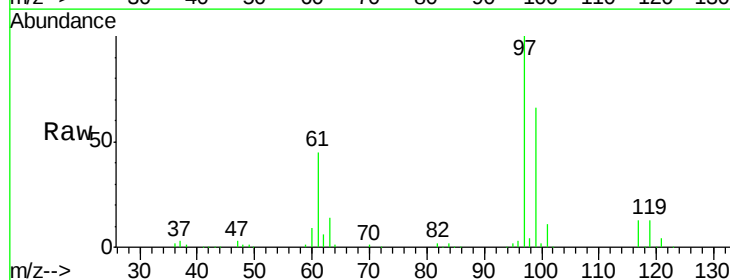
Tgt Ion: 97 Resp: 188779

Ion Ratio Lower Upper

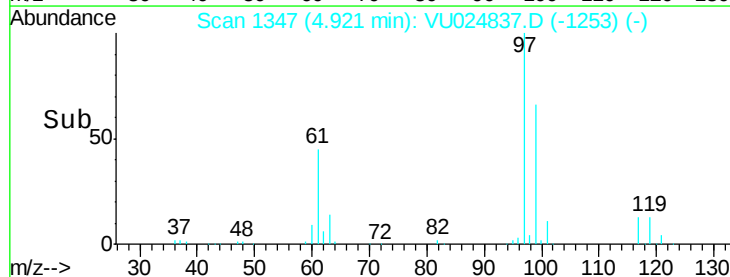
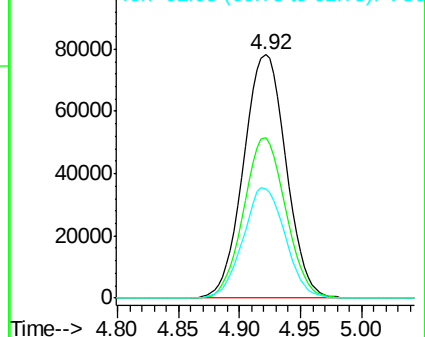
97 100

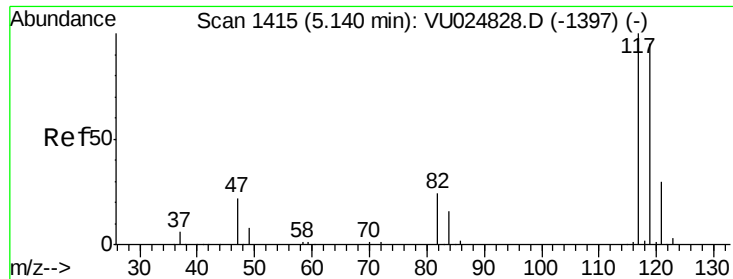
99 65.2 51.4 77.0

61 44.9 33.8 50.8



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: 48.043 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

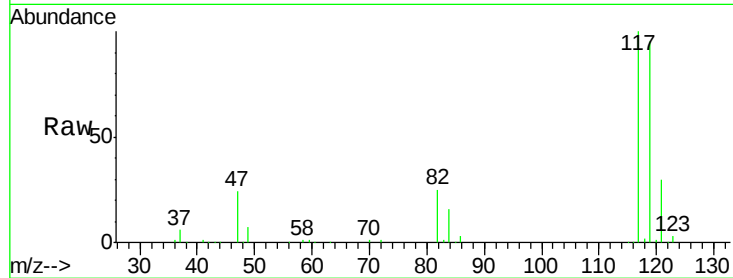
VSTD05053

Tgt Ion:117 Resp: 168590

Ion Ratio Lower Upper

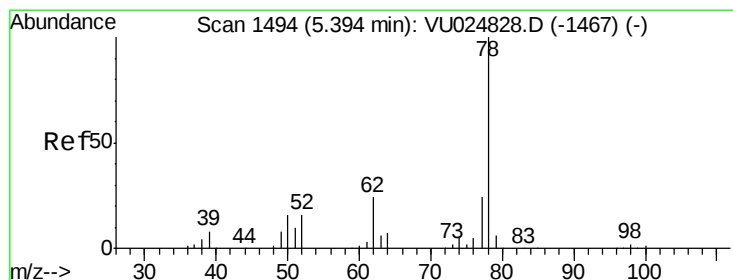
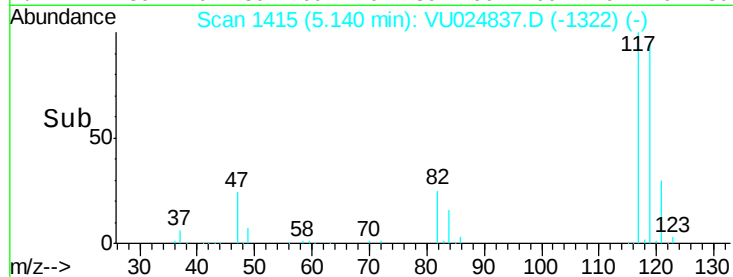
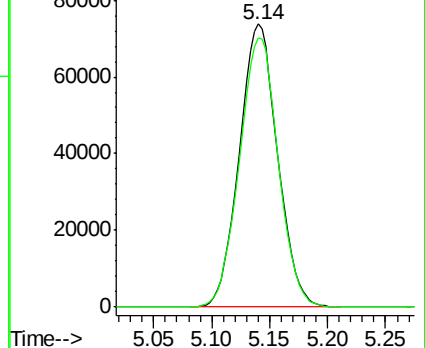
117 100

119 96.8 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.099 ug/L

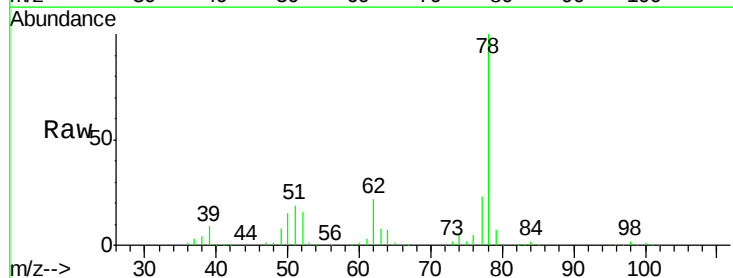
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

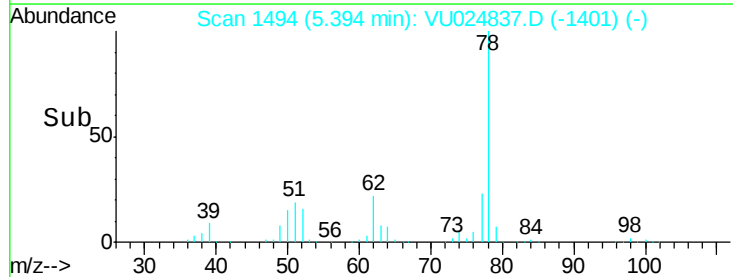
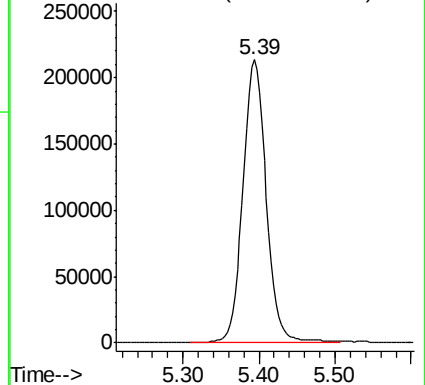
Lab File: VU024837.D

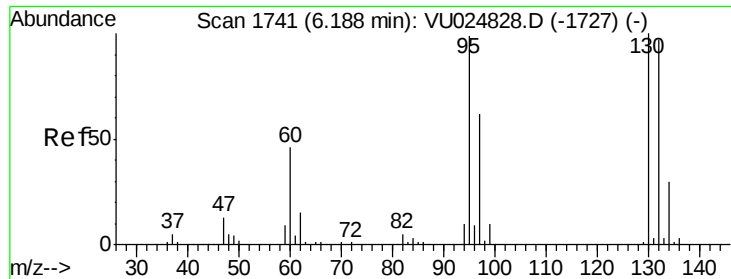
Acq: 22 Jun 2018 15:52

Tgt Ion: 78 Resp: 456641



Abundance Ion 78.00 (77.70 to 78.70): VU0

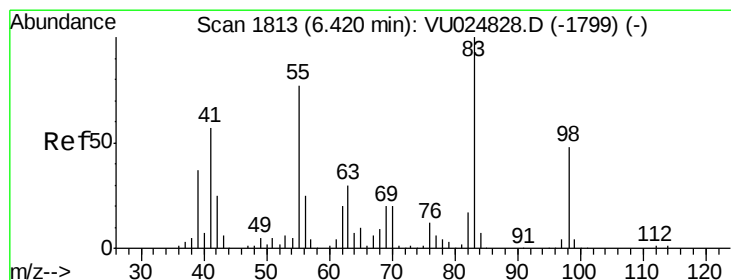
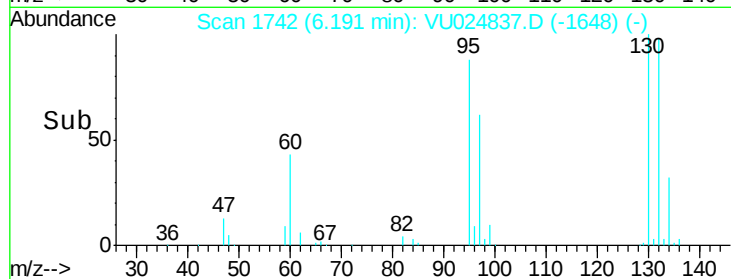
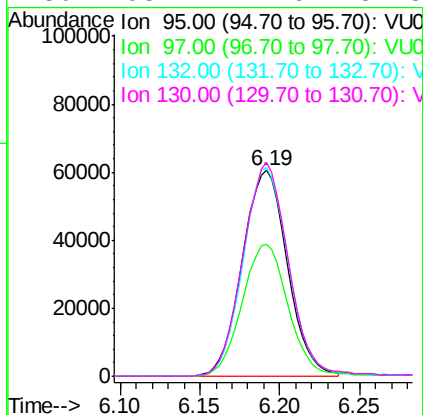
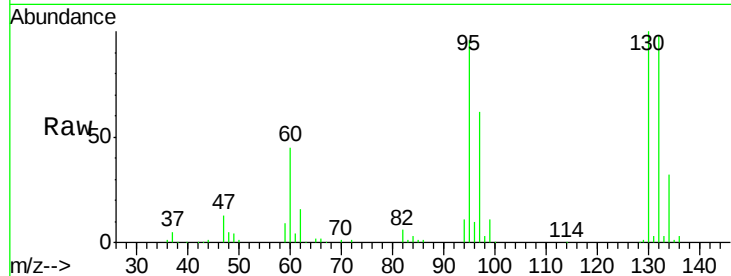




#34
 Trichloroethene
 Concen: 45.596 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

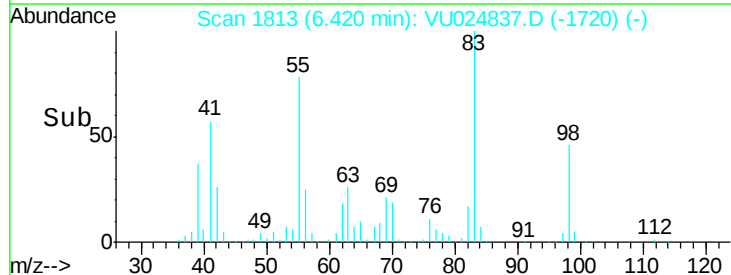
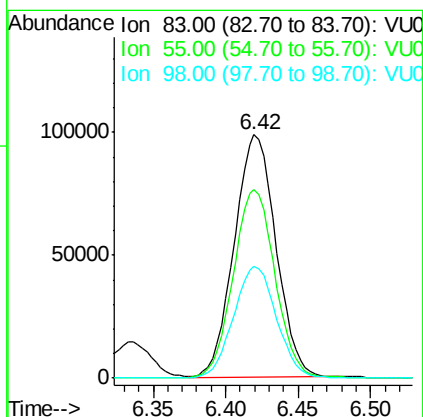
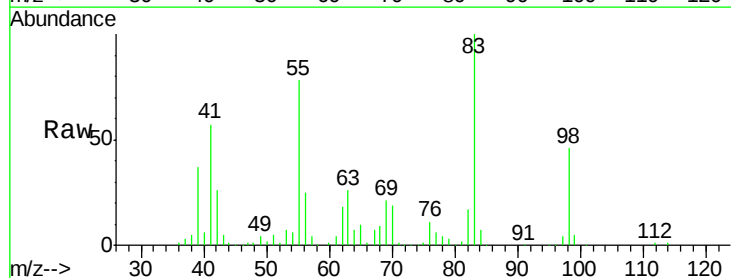
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

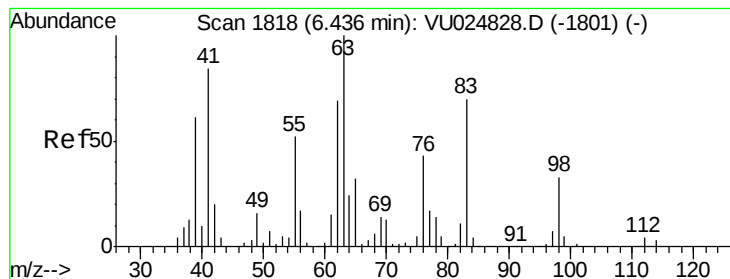
Tgt Ion:	95	Resp:	117199
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.8	83.2
132	101.5	70.4	130.8
130	103.7	72.6	134.8



#35
 Methylcyclohexane
 Concen: 47.807 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

Tgt Ion:	83	Resp:	197541
Ion	Ratio	Lower	Upper
83	100		
55	78.2	59.4	89.0
98	47.4	37.6	56.4





#37

1,2-Dichloropropane

Concen: 48.725 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

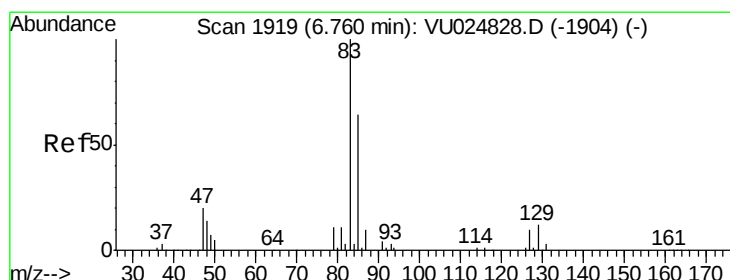
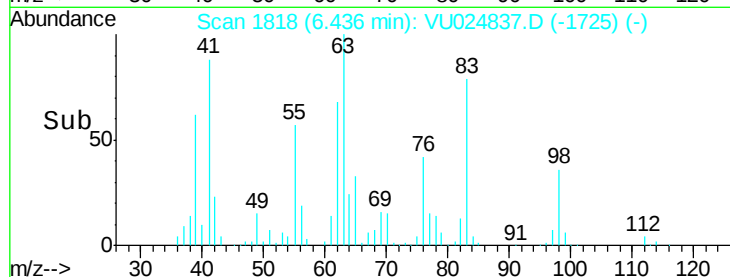
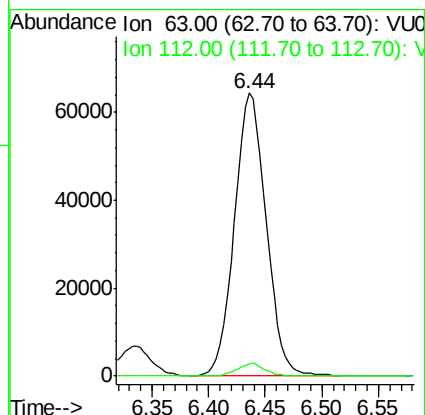
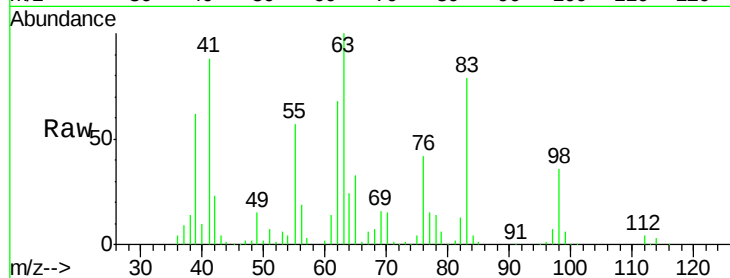
VSTD05053

Tgt Ion: 63 Resp: 125966

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 48.706 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

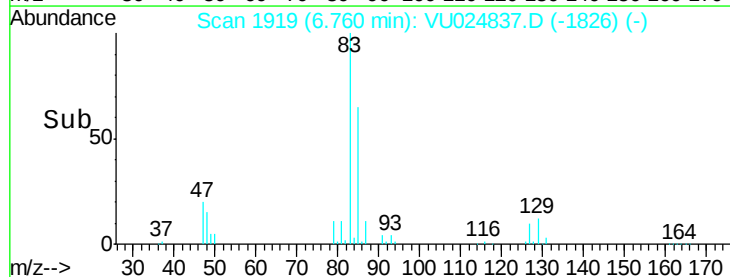
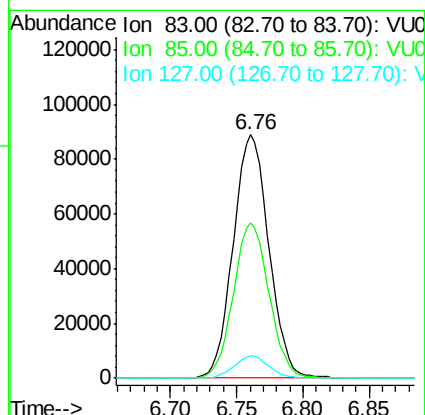
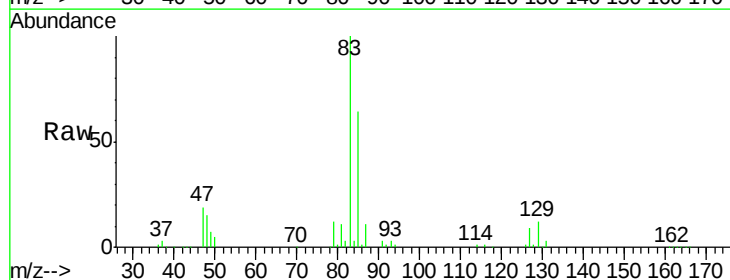
Tgt Ion: 83 Resp: 165971

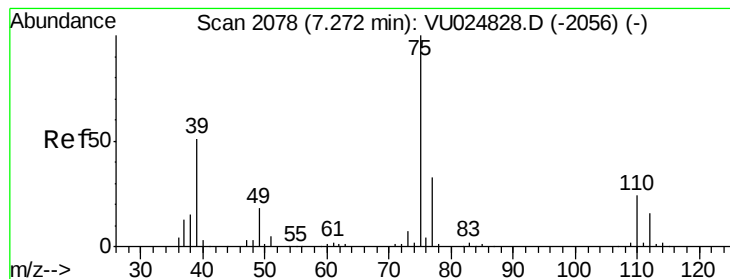
Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.3

127 9.3 7.6 11.4



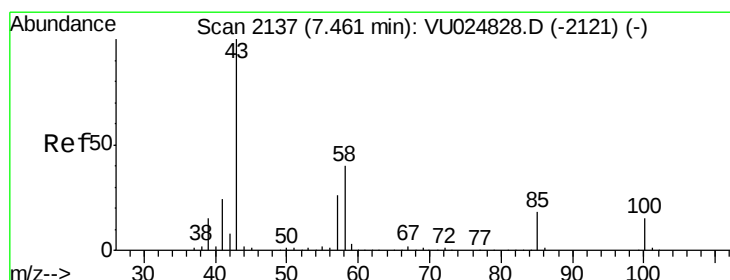
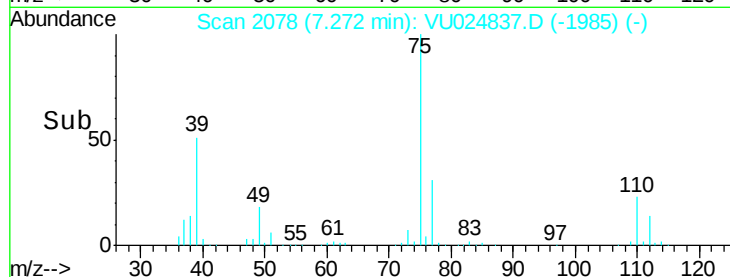
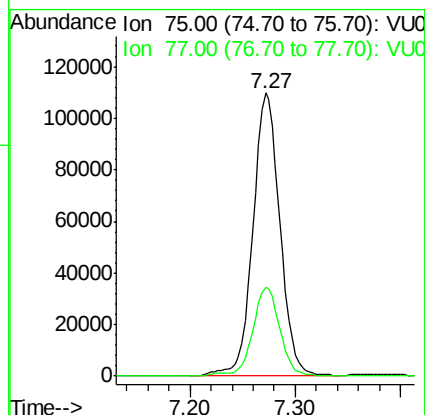
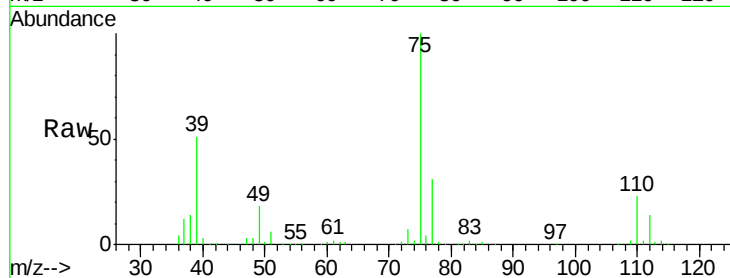


#39

cis-1,3-Dichloropropene
 Concen: 48.486 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

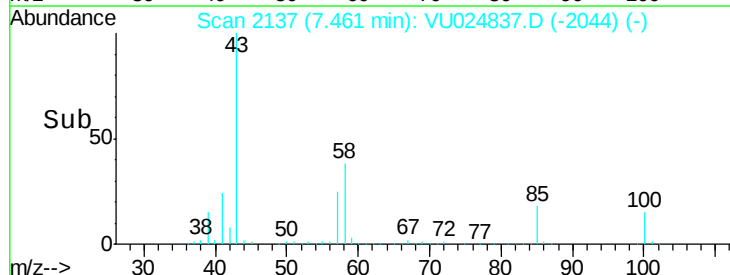
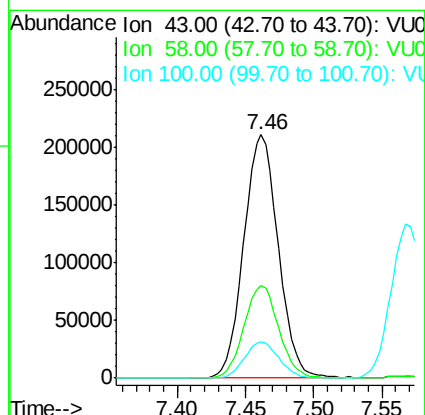
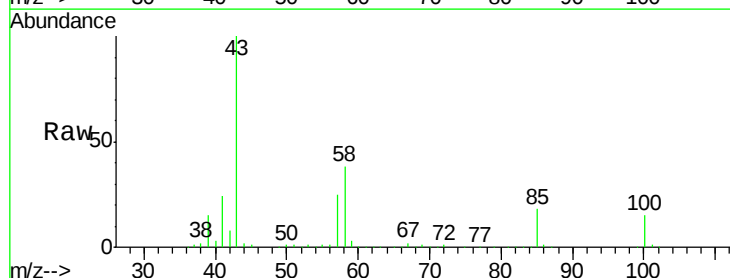
Tgt Ion: 75 Resp: 196483
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2

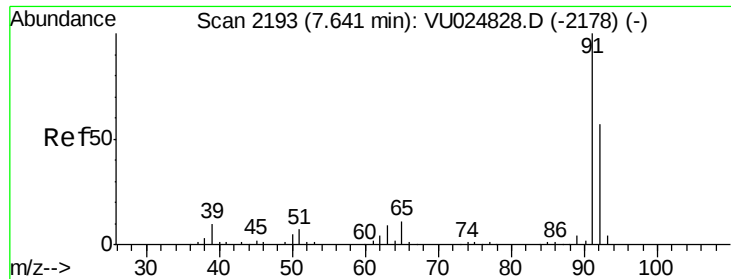


#40

4-Methyl-2-pentanone
 Concen: 96.497 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

Tgt Ion: 43 Resp: 370412
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.0 46.6
 100 14.8 12.0 18.0





#42

Toluene

Concen: 48.789 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

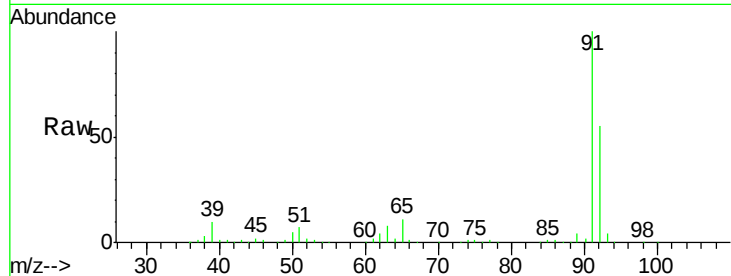
VSTD05053

Tgt Ion: 91 Resp: 504235

Ion Ratio Lower Upper

91 100

92 54.9 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

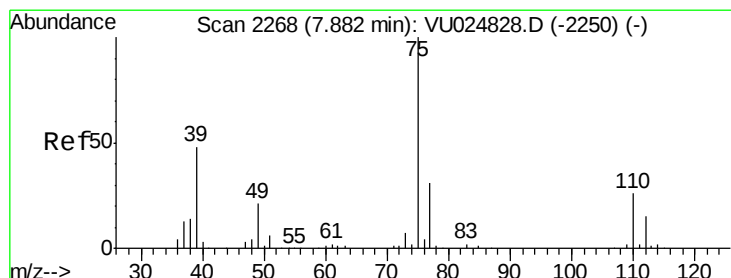
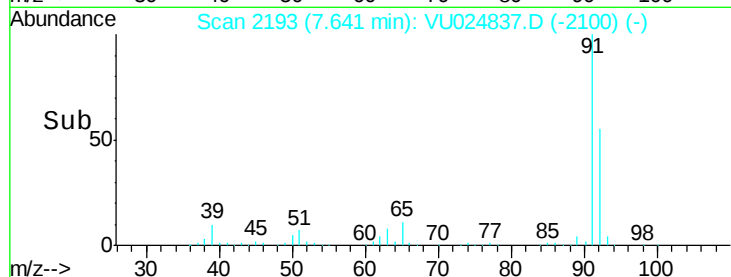
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.453 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024837.D

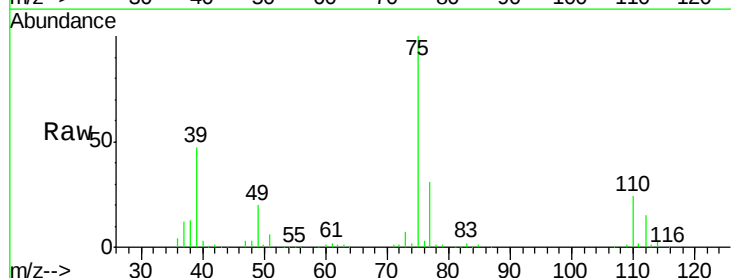
Acq: 22 Jun 2018 15:52

Tgt Ion: 75 Resp: 183275

Ion Ratio Lower Upper

75 100

77 31.0 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

120000

100000

80000

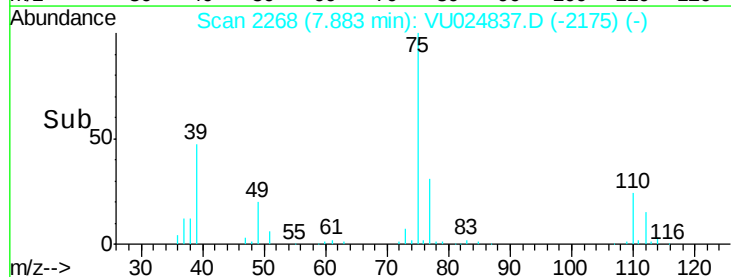
60000

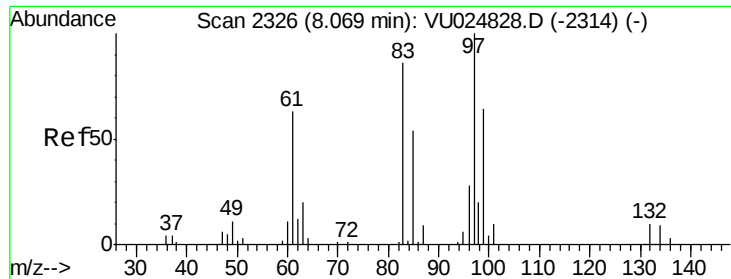
40000

20000

0

Time-->

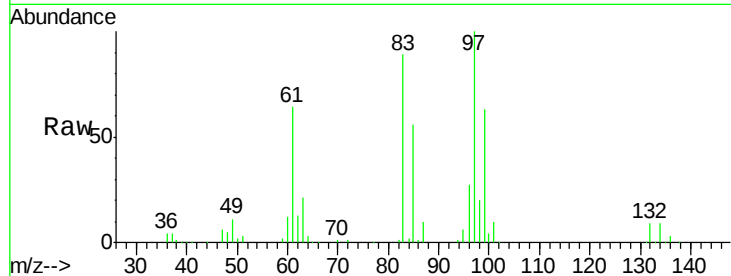




#45
 1,1,2-Trichloroethane
 Concen: 48.949 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

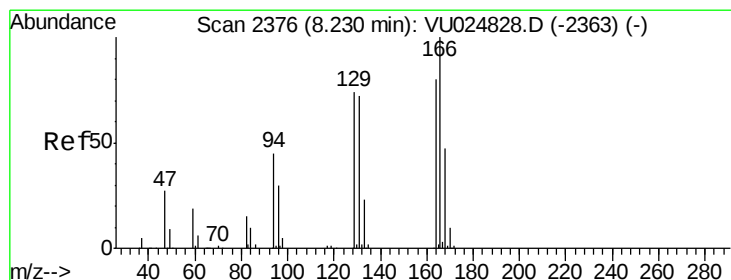
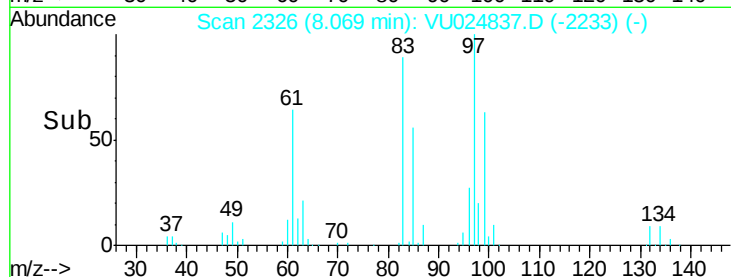
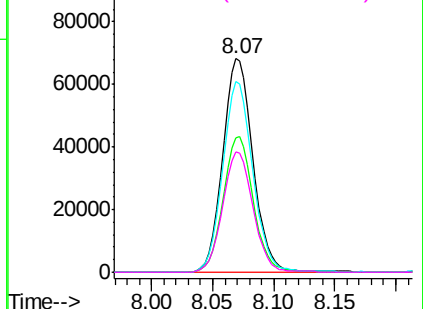
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	97	Resp:	119071
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.0	81.8
83	89.0	61.0	113.2
85	56.2	41.3	76.7



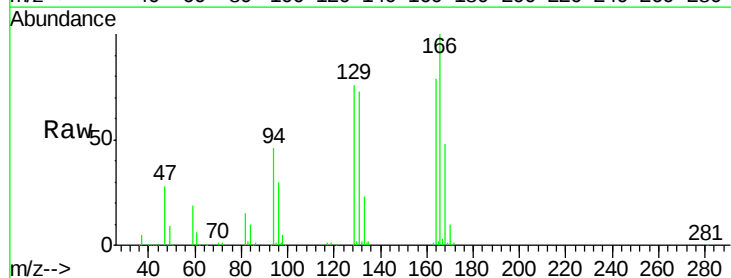
Abundance

Ion 97.00 (96.70 to 97.70): VU024837.D (-2283) (-)



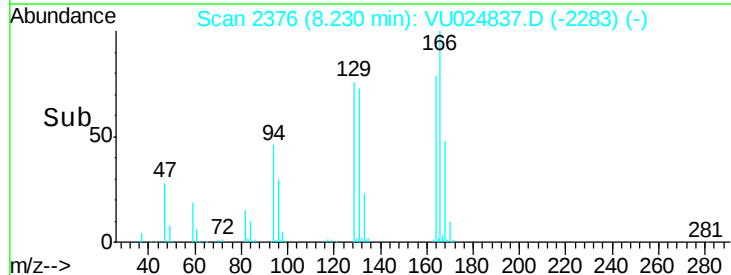
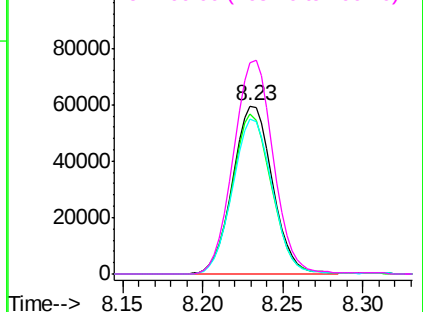
#46
 Tetrachloroethene
 Concen: 46.726 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

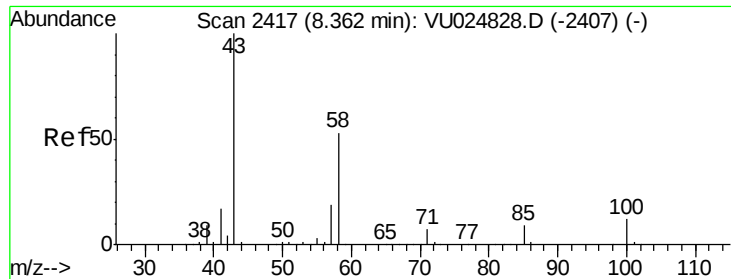
Tgt Ion:	164	Resp:	101101
Ion	Ratio	Lower	Upper
164	100		
129	95.1	65.7	121.9
131	91.9	62.0	115.2
166	125.8	87.8	163.0



Abundance

Ion 164.00 (163.70 to 164.70): VU024837.D (-2283) (-)

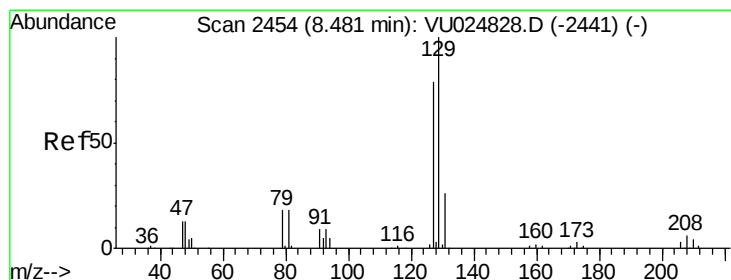
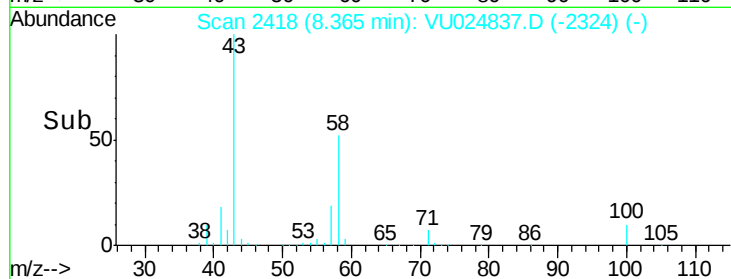
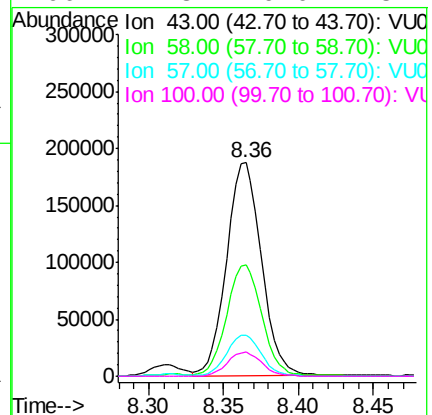
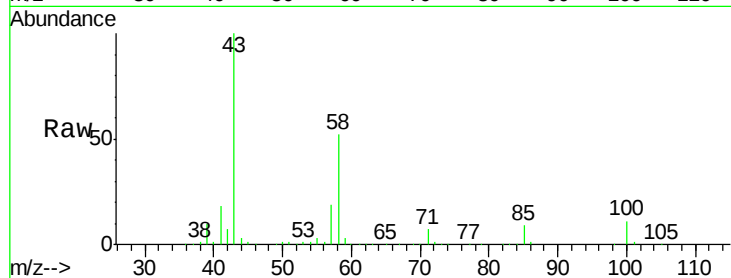




#48
2-Hexanone
Concen: 97.520 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024837.D
Acq: 22 Jun 2018 15:52

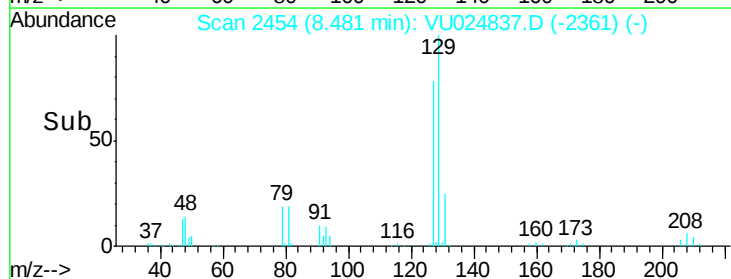
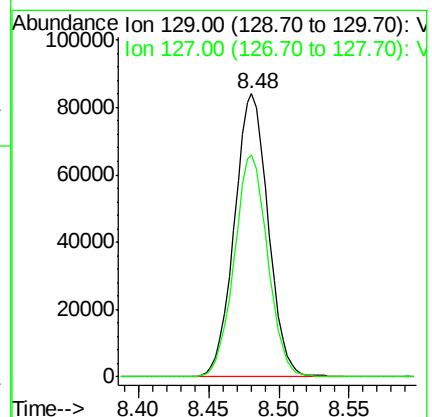
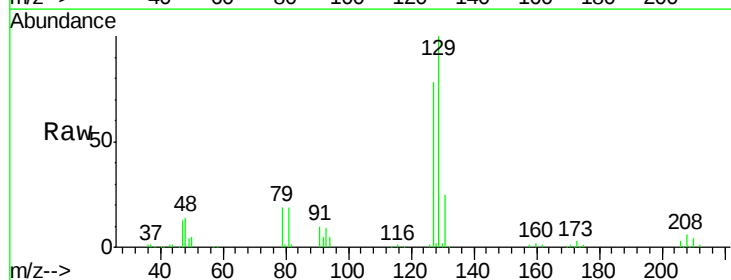
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

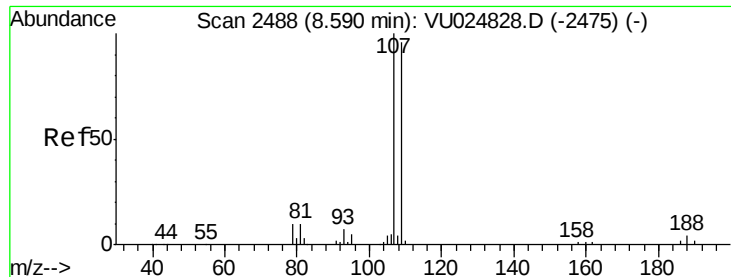
Tgt Ion: 43 Resp: 304176
Ion Ratio Lower Upper
43 100
58 52.1 42.6 63.8
57 19.0 14.7 22.1
100 11.3 9.0 13.4



#49
Dibromochloromethane
Concen: 47.312 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024837.D
Acq: 22 Jun 2018 15:52

Tgt Ion: 129 Resp: 141014
Ion Ratio Lower Upper
129 100
127 78.5 52.9 98.3

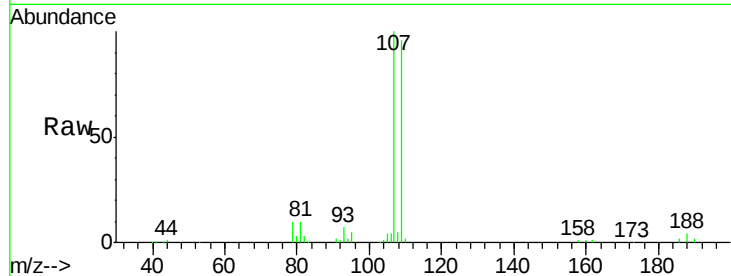




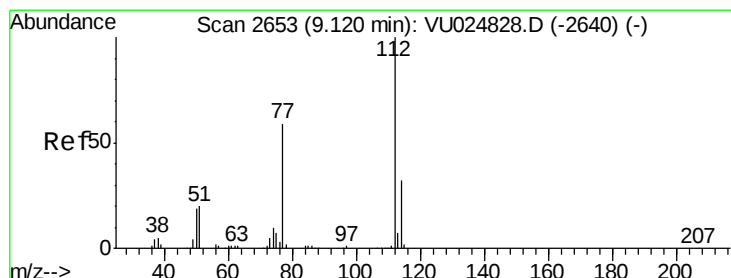
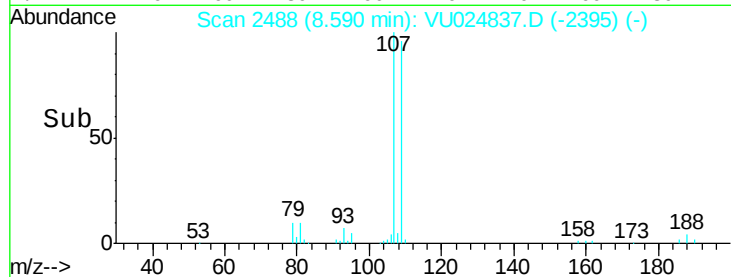
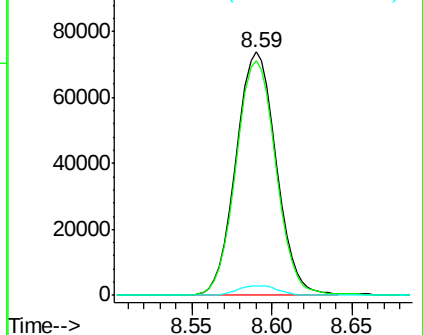
#50
1,2-Dibromoethane
Concen: 47.573 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU024837.D
Acq: 22 Jun 2018 15:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.1	66.6	123.6
188	4.0	3.0	4.6

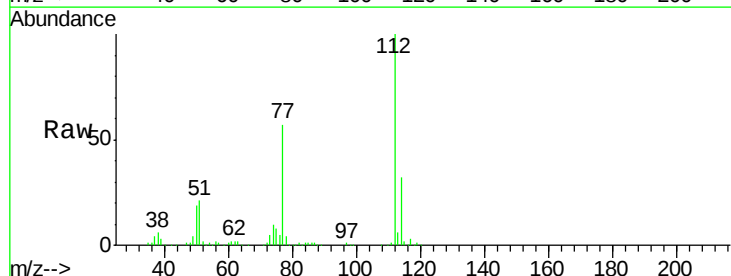


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

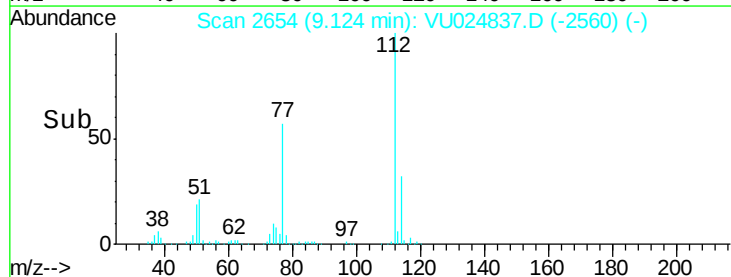
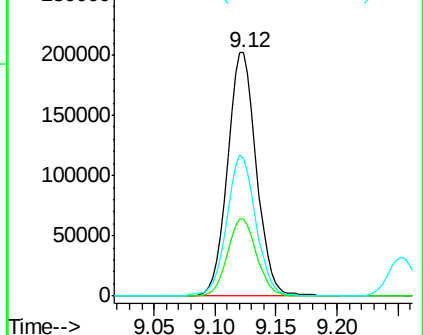


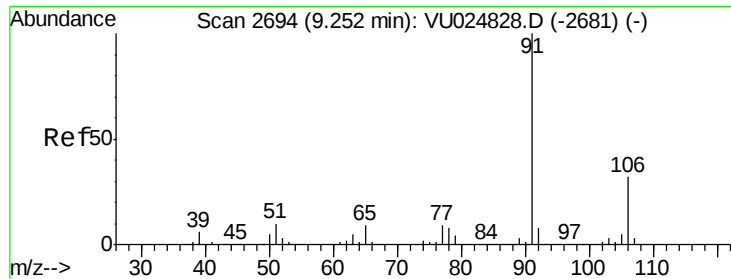
#51
Chlorobenzene
Concen: 48.232 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024837.D
Acq: 22 Jun 2018 15:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.1
77	56.5	45.0	67.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 48.212 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

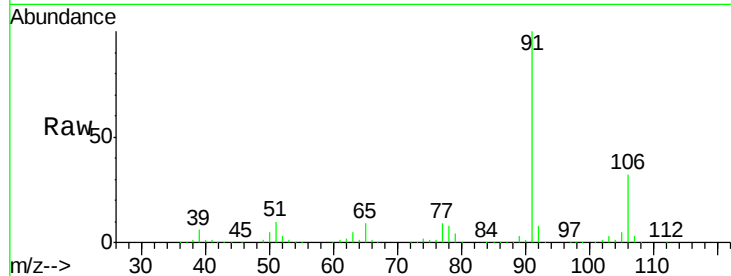
VSTD05053

Tgt Ion: 91 Resp: 571271

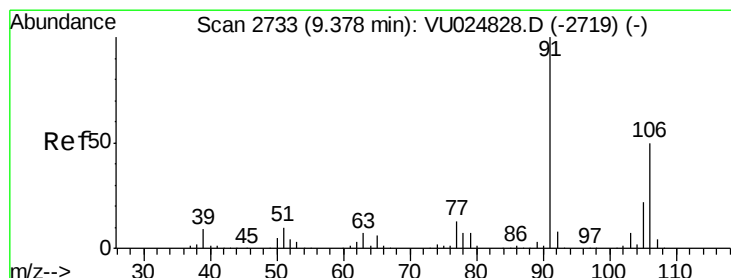
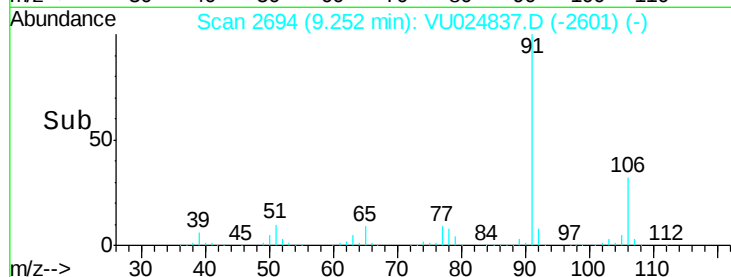
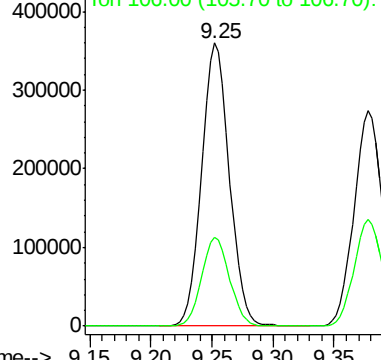
Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU024828.D (-2681) (-)



#53

m,p-Xylene

Concen: 48.575 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024837.D

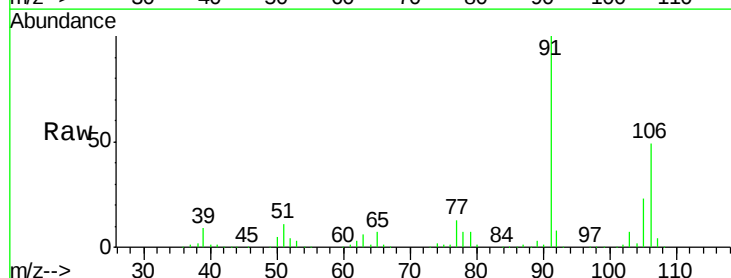
Acq: 22 Jun 2018 15:52

Tgt Ion: 106 Resp: 221489

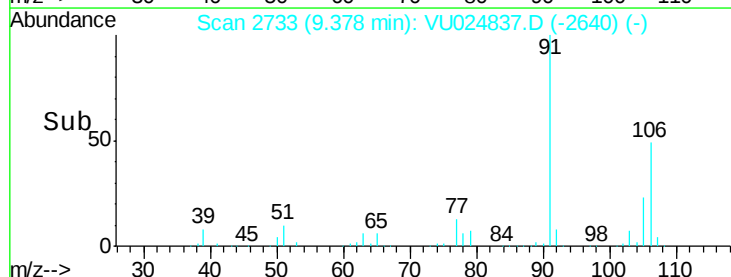
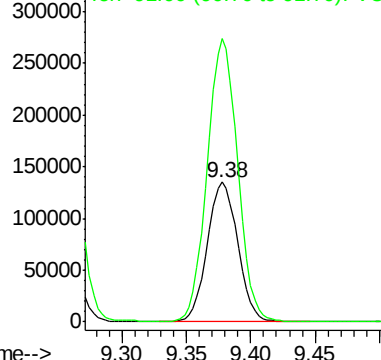
Ion Ratio Lower Upper

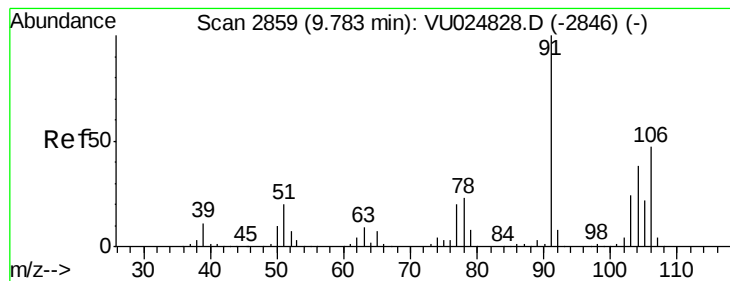
106 100

91 202.5 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): VU024828.D (-2719) (-)





#54

o-xylene

Concen: 49.691 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

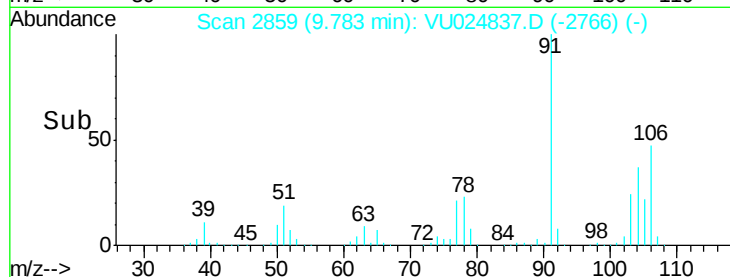
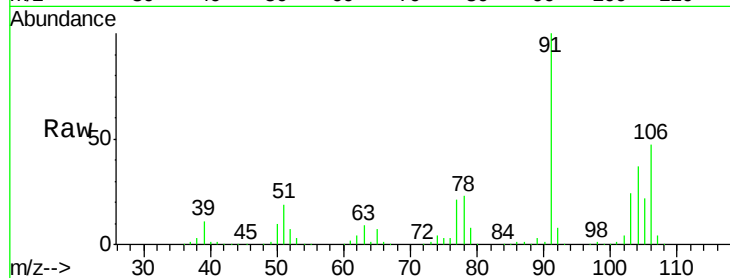
VSTD05053

Tgt Ion:106 Resp: 223528

Ion Ratio Lower Upper

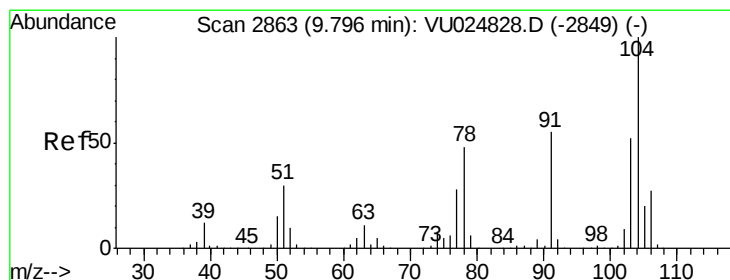
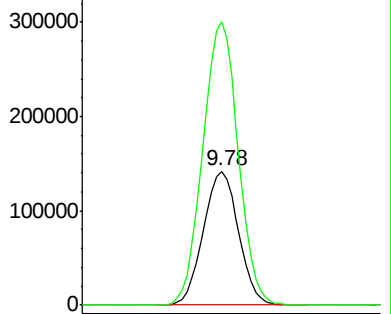
106 100

91 211.7 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.469 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU024837.D

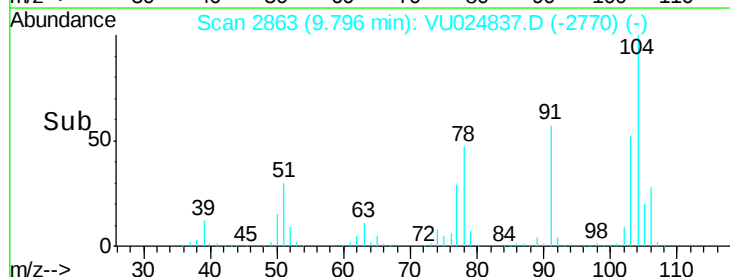
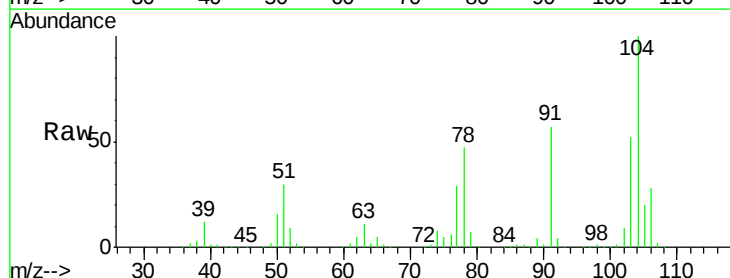
Acq: 22 Jun 2018 15:52

Tgt Ion:104 Resp: 370737

Ion Ratio Lower Upper

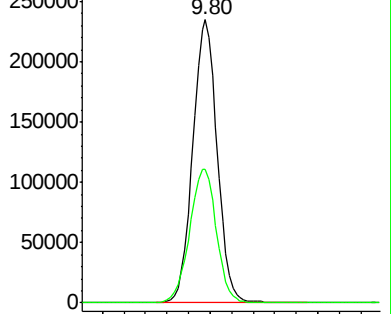
104 100

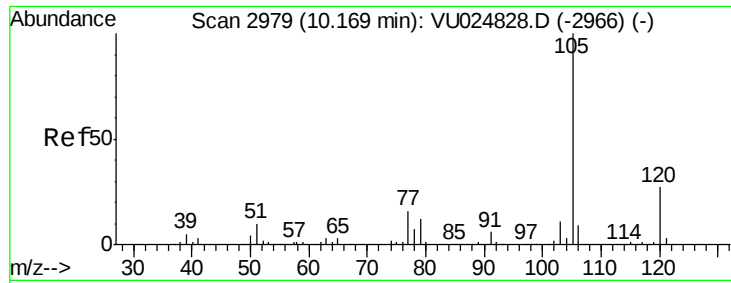
78 47.3 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.050 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

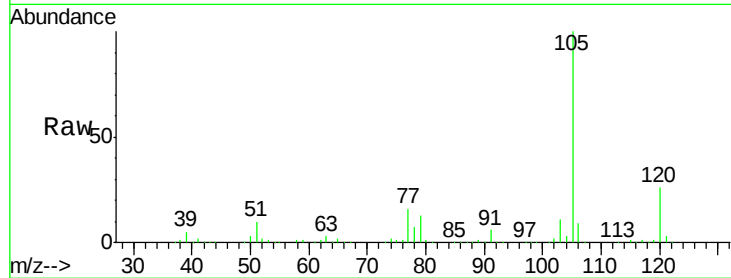
Tgt Ion: 105 Resp: 594032

Ion Ratio Lower Upper

105 100

120 26.6 22.1 33.1

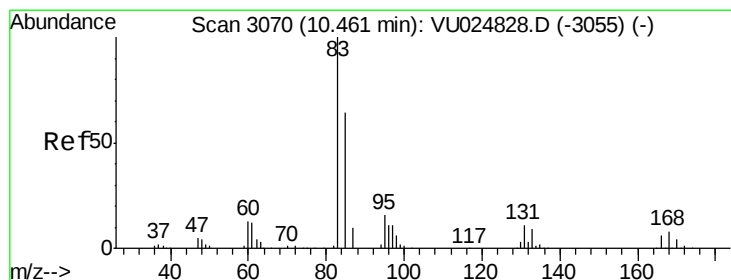
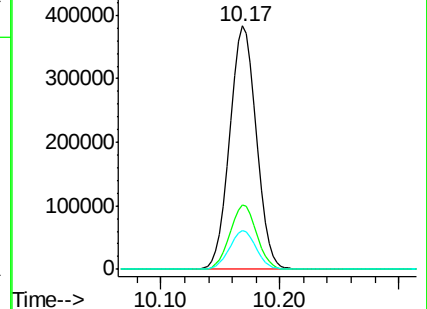
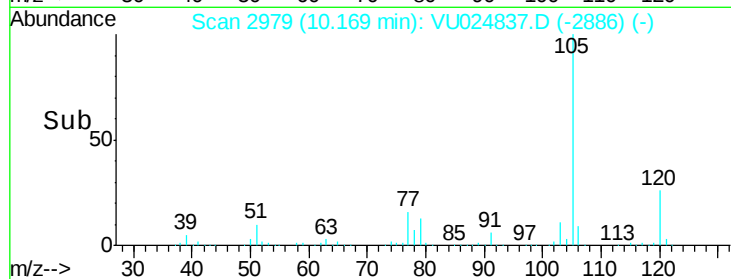
77 16.0 12.7 19.1



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: 48.257 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

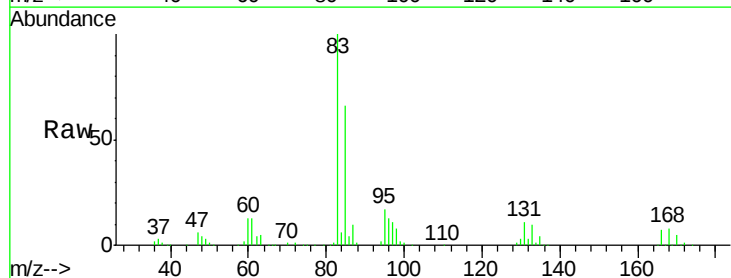
Tgt Ion: 83 Resp: 202263

Ion Ratio Lower Upper

83 100

85 66.2 45.9 85.3

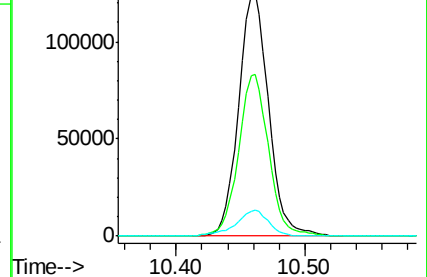
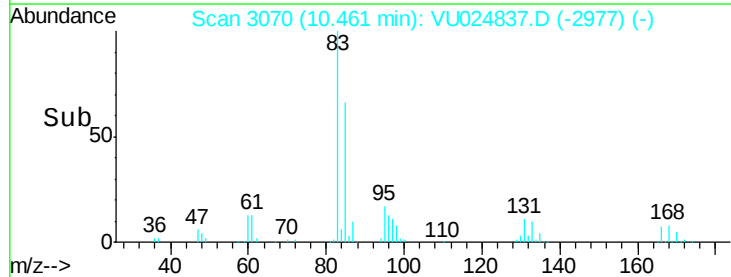
131 10.7 8.6 12.8

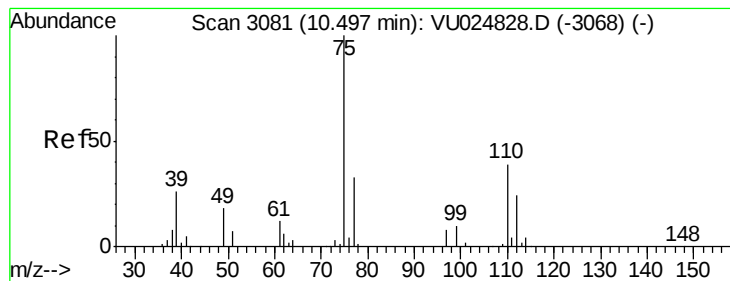


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.359 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

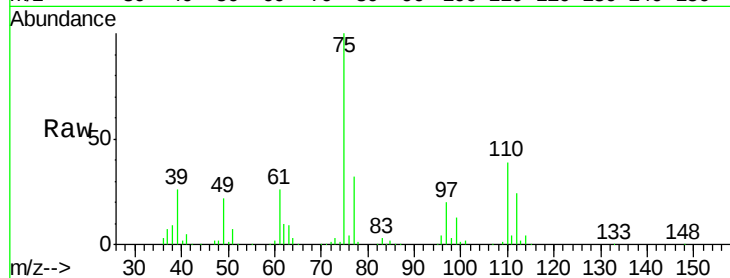
VSTD05053

Tgt Ion: 75 Resp: 165500

Ion Ratio Lower Upper

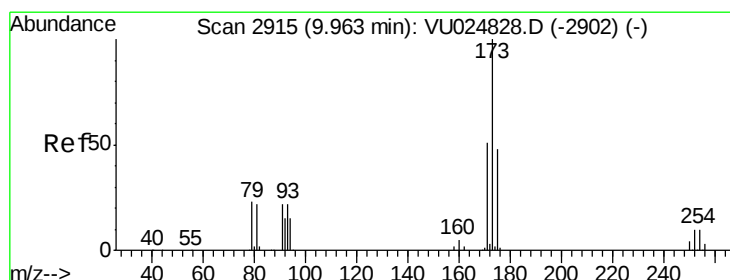
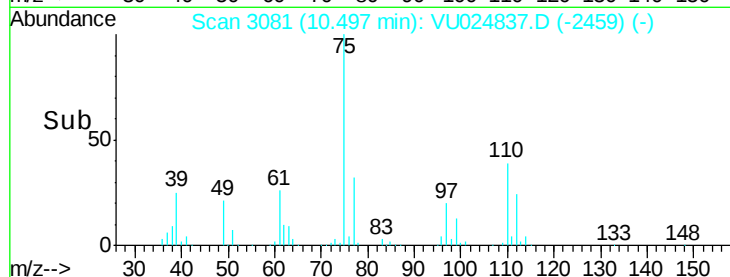
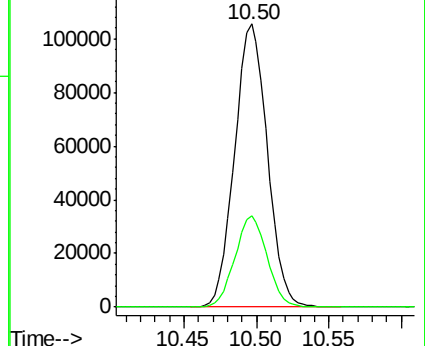
75 100

77 31.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 45.531 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

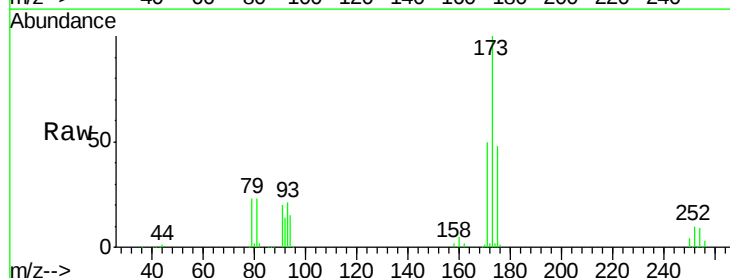
Tgt Ion: 173 Resp: 109708

Ion Ratio Lower Upper

173 100

175 48.5 39.3 58.9

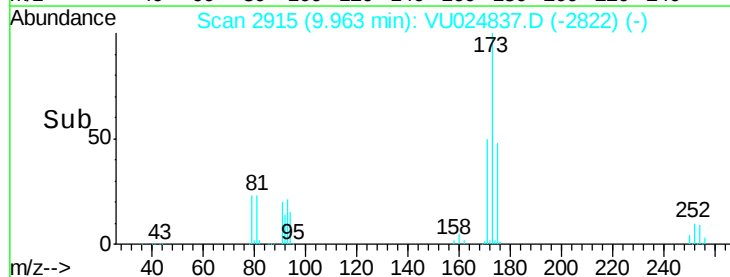
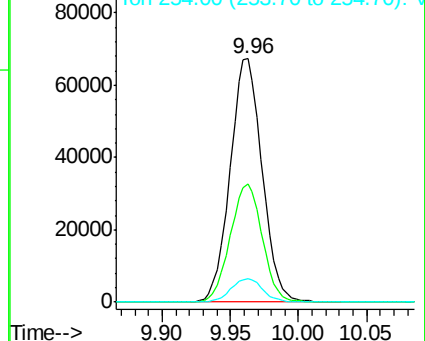
254 9.5 7.8 11.6

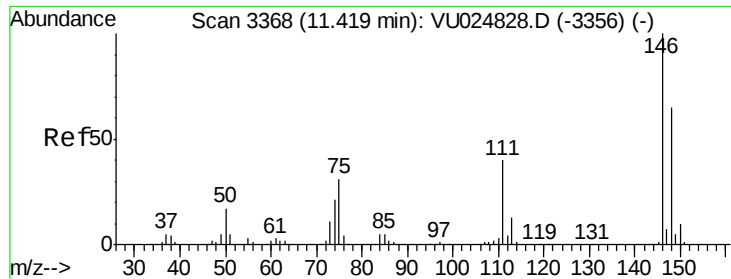


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 48.617 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

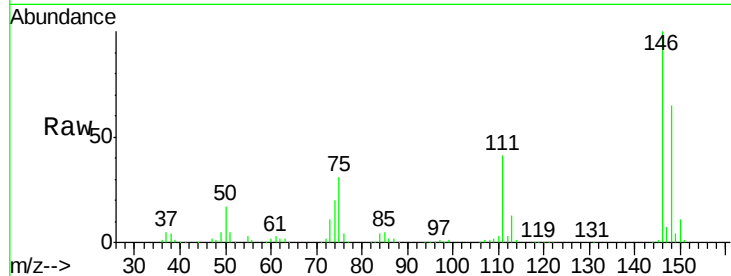
Tgt Ion:146 Resp: 271383

Ion Ratio Lower Upper

146 100

111 41.2 28.4 52.8

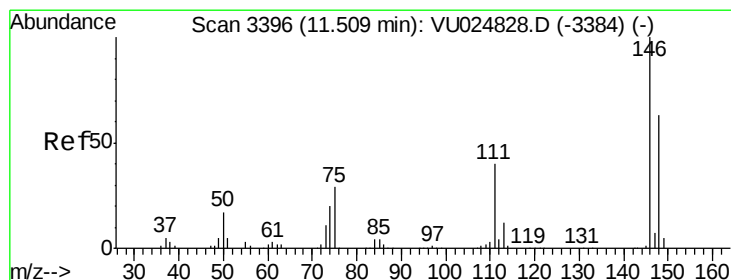
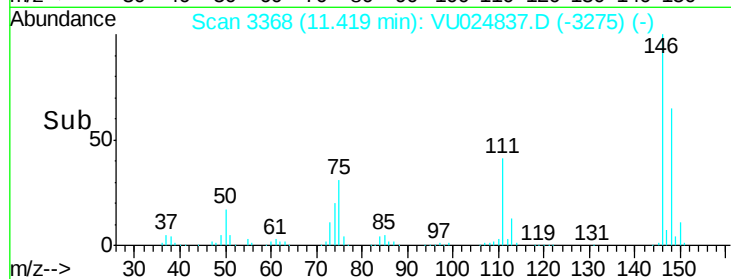
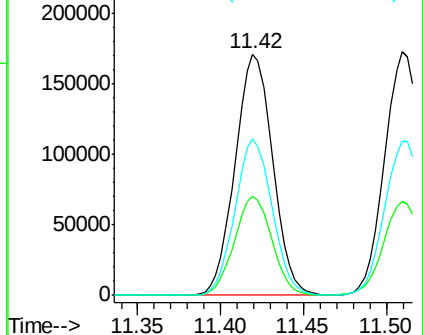
148 64.8 44.3 82.3



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: 48.770 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

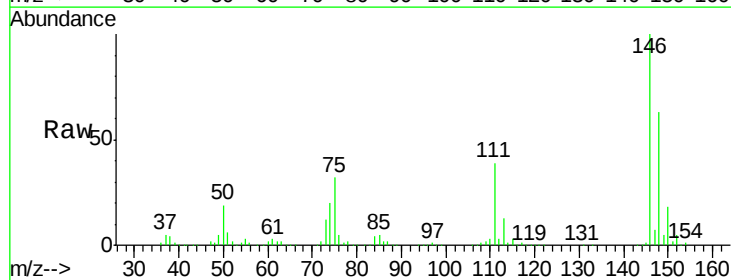
Tgt Ion:146 Resp: 274590

Ion Ratio Lower Upper

146 100

111 38.8 26.5 49.1

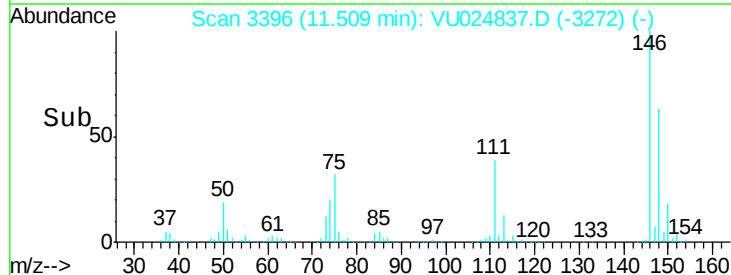
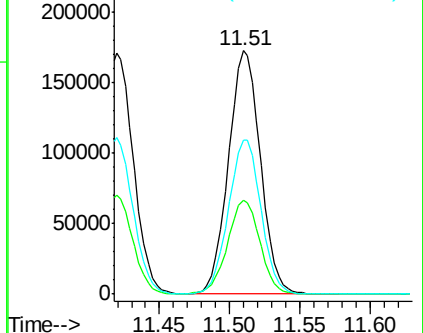
148 63.5 44.6 82.8

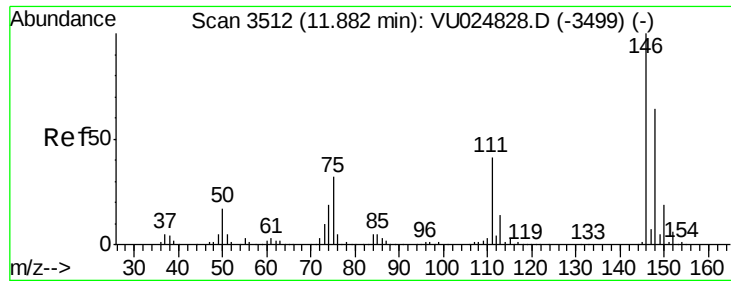


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.465 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

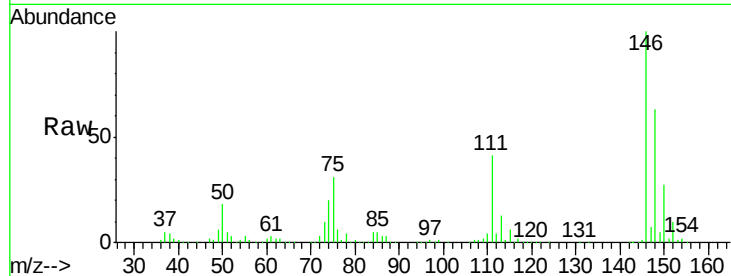
Tgt Ion:146 Resp: 287499

Ion Ratio Lower Upper

146 100

111 40.6 32.2 48.4

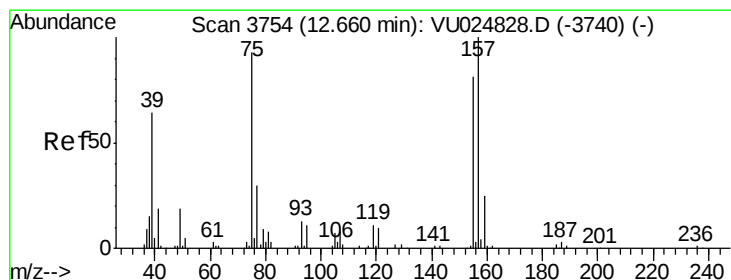
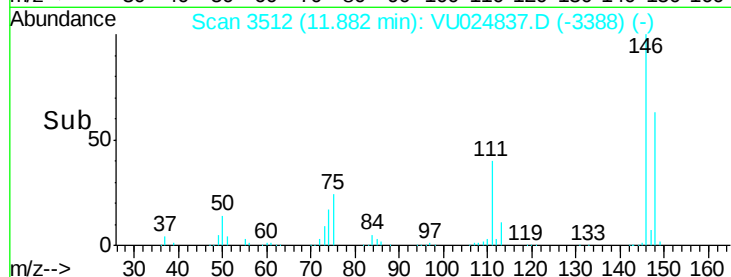
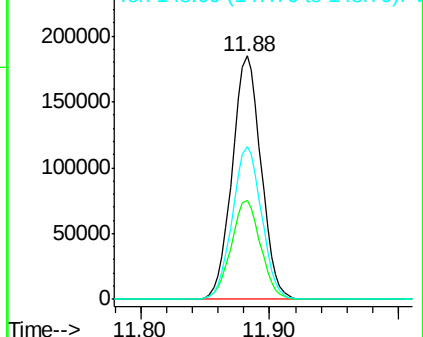
148 62.7 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.704 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

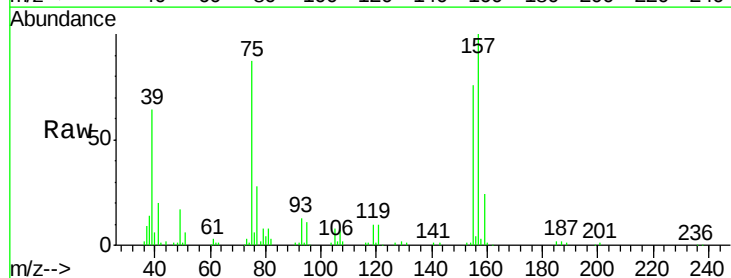
Tgt Ion: 75 Resp: 49570

Ion Ratio Lower Upper

75 100

155 87.2 76.8 115.2

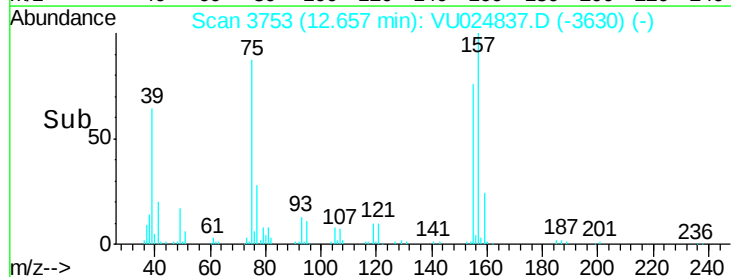
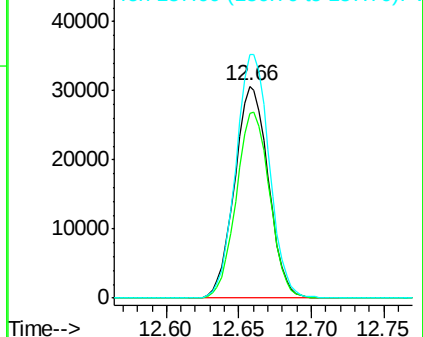
157 114.7 98.4 147.6

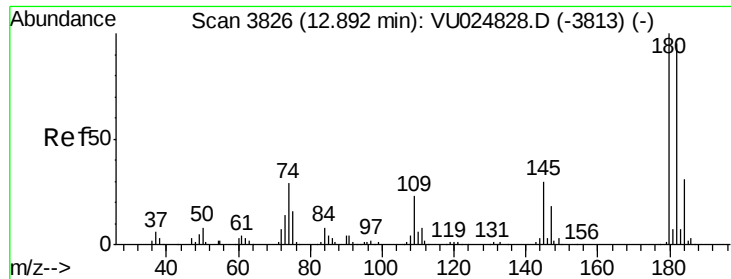


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

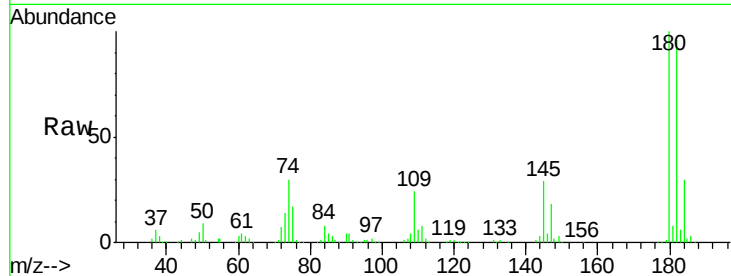




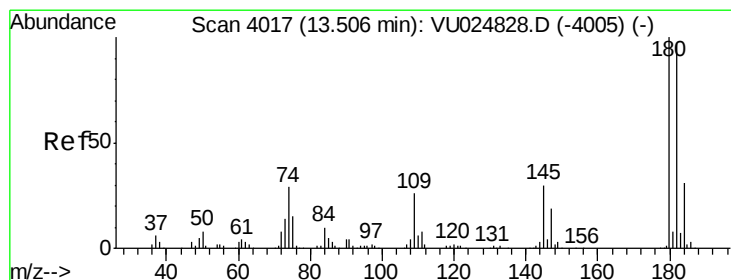
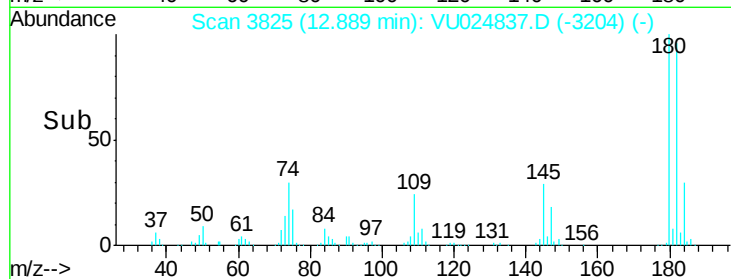
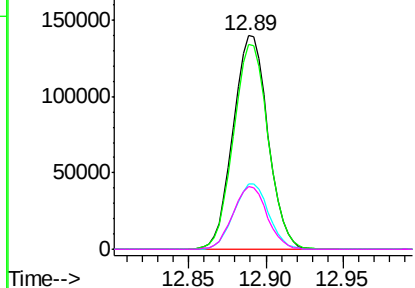
#67
 1,3,5-Trichlorobenzene
 Concen: 48.924 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:180 Resp: 218351
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 184 30.6 24.7 37.1
 145 28.8 22.6 34.0

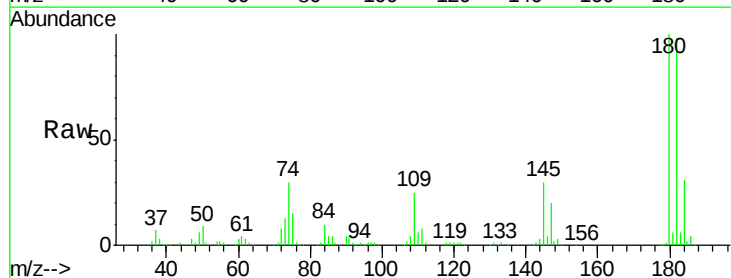


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

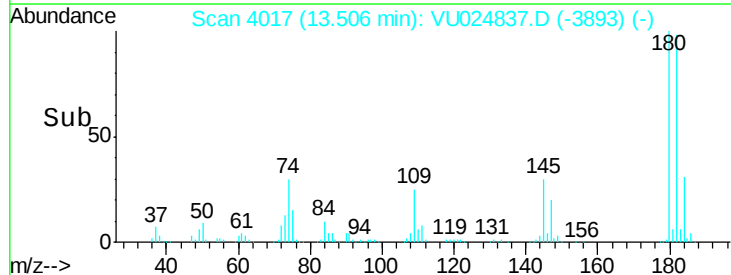
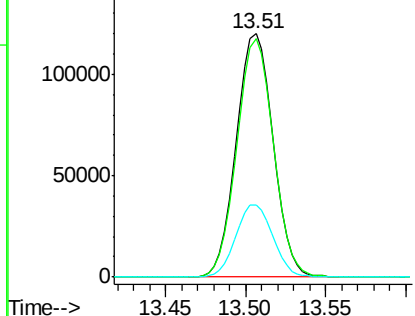


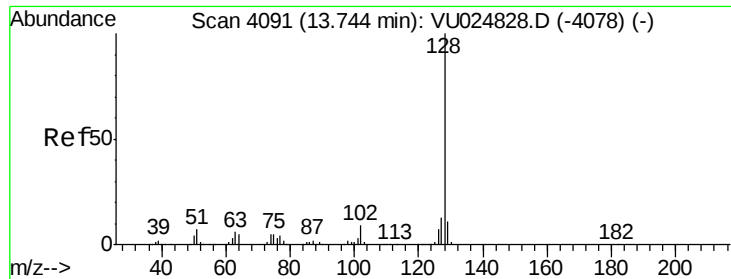
#68
 1,2,4-trichlorobenzene
 Concen: 50.769 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024837.D
 Acq: 22 Jun 2018 15:52

Tgt Ion:180 Resp: 188448
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.2 114.2
 145 29.8 23.0 34.6



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





#69

Naphthalene

Concen: 55.830 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

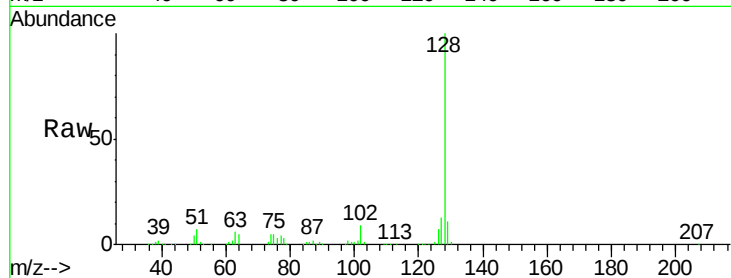
Tgt Ion:128 Resp: 572384

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

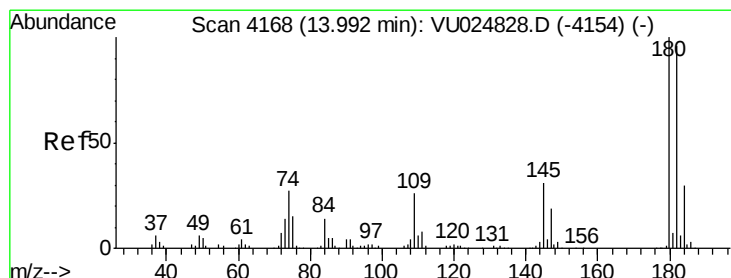
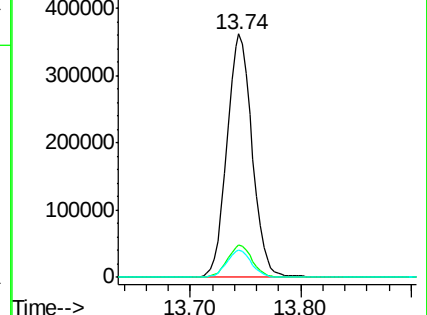
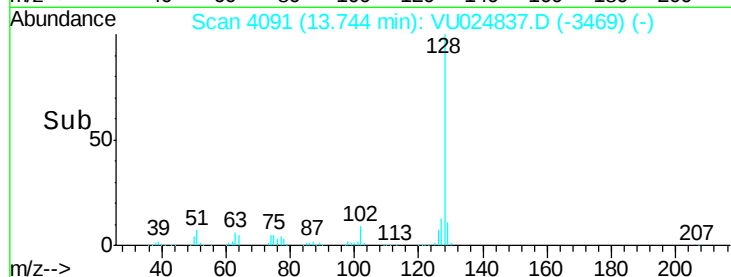
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.458 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024837.D

Acq: 22 Jun 2018 15:52

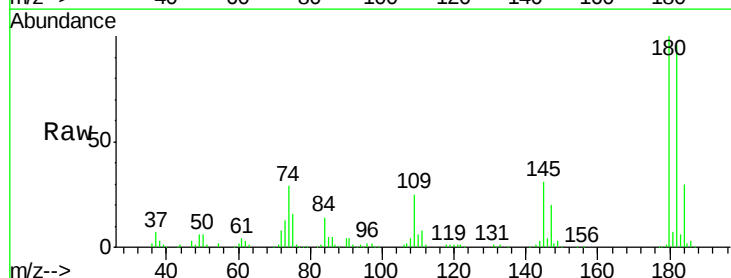
Tgt Ion:180 Resp: 201211

Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

145 31.1 24.5 36.7



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

