

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026263.D
 Acq On : 22 Aug 2018 21:27
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Aug 23 07:29:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:27:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	297641	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	294517	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	91498	50.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.80%
7) Chloroethane-d5	1.68	69	74331	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.42%
11) 1,1-Dichloroethene-d2	2.27	63	180404	50.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.12%
21) 2-Butanone-d5	4.18	46	152019	104.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.92%
24) Chloroform-d	4.65	84	208664	51.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.14%
26) 1,2-Dichloroethane-d4	5.31	65	135586	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.98%
32) Benzene-d6	5.35	84	404966	51.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.33	67	129018	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.00%
41) Toluene-d8	7.57	98	388366	51.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.14%
43) trans-1,3-Dichloropropene-	7.85	79	64205	49.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.24%
47) 2-Hexanone-d5	8.31	63	113605	105.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.07%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	187408	50.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	167170	48.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.34%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	122392	52.368	ug/L 98
3) Chloromethane	1.33	50	112124	52.035	ug/L 99
5) Vinyl chloride	1.40	62	113661	52.354	ug/L 97
6) Bromomethane	1.63	94	67317	49.869	ug/L 98
8) Chloroethane	1.70	64	66440	53.367	ug/L 99
9) Trichlorofluoromethane	1.89	101	163981	53.329	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	89290	52.332	ug/L 100
12) 1,1-Dichloroethene	2.28	96	82658	52.765	ug/L 99
13) Acetone	2.32	43	101580	90.586	ug/L 98
14) Carbon disulfide	2.48	76	302640	50.357	ug/L 100
15) Methyl Acetate	2.62	43	114946	53.263	ug/L 99
16) Methylene chloride	2.71	84	112290	53.265	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	101133	52.375	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	308729	53.371	ug/L 100
19) 1,1-Dichloroethane	3.45	63	190340	54.131	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	112623	52.841	ug/L 97
22) 2-Butanone	4.27	43	157499	104.979	ug/L 99

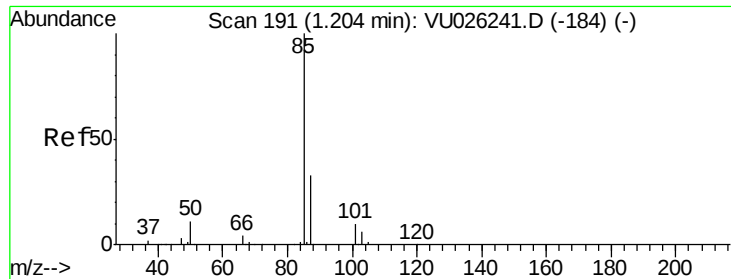
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
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 QLast Update : Thu Aug 23 07:27:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	60861	53.394	ug/L	98
25) Chloroform	4.68	83	198484	52.875	ug/L	96
27) 1,2-Dichloroethane	5.41	62	162589	54.372	ug/L	98
29) Cyclohexane	5.00	56	157863	52.266	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	179586	52.481	ug/L	99
31) Carbon tetrachloride	5.14	117	164241	51.052	ug/L	99
33) Benzene	5.39	78	425714	53.020	ug/L	100
34) Trichloroethene	6.19	95	108708	51.200	ug/L	98
35) Methylcyclohexane	6.42	83	167118	51.473	ug/L	98
37) 1,2-Dichloropropane	6.44	63	113511	51.729	ug/L	100
38) Bromodichloromethane	6.76	83	151646	51.682	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	172743	51.826	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	295673	106.316	ug/L	100
42) Toluene	7.64	91	459444	53.778	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	166653	51.964	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	108491	52.337	ug/L	98
46) Tetrachloroethene	8.23	164	94466	51.708	ug/L	94
48) 2-Hexanone	8.36	43	231381	103.380	ug/L	98
49) Dibromochloromethane	8.48	129	134242	52.694	ug/L	98
50) 1,2-Dibromoethane	8.59	107	117933	51.545	ug/L	100
51) Chlorobenzene	9.12	112	302168	51.712	ug/L	98
52) Ethylbenzene	9.25	91	496774	53.385	ug/L	98
53) m,p-Xylene	9.38	106	193322	53.750	ug/L	96
54) o-xylene	9.78	106	188817	53.821	ug/L	99
55) Styrene	9.79	104	331598	55.373	ug/L	99
56) Isopropylbenzene	10.17	105	492811	54.148	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	182468	52.010	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	142735	52.176	ug/L	99
61) Bromoform	9.96	173	101400	50.568	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	235925	49.443	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	250223	49.630	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	255480	50.905	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	41728	49.770	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	188075	50.213	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	162703	49.761	ug/L	99
69) Naphthalene	13.74	128	510103	52.368	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	181168	52.006	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 52.368 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

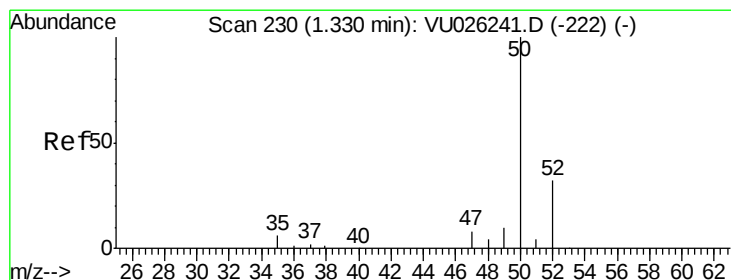
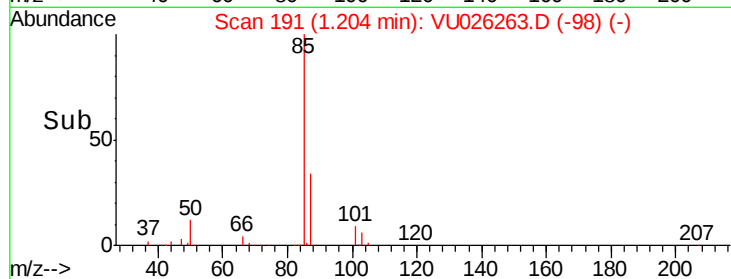
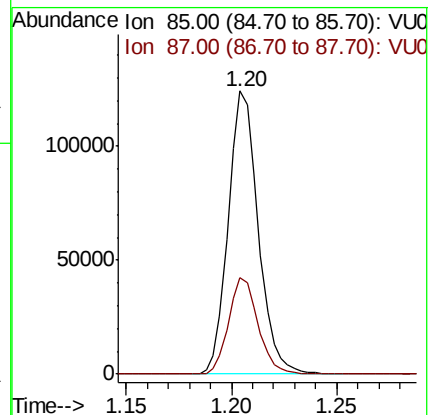
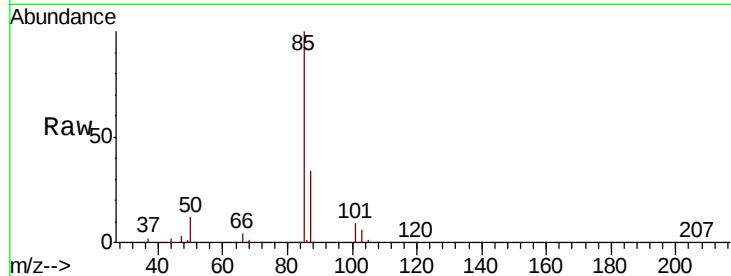
VSTD05047

Tgt Ion: 85 Resp: 122392

Ion Ratio Lower Upper

85 100

87 33.4 25.9 38.9



#3

Chloromethane

Concen: 52.035 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026263.D

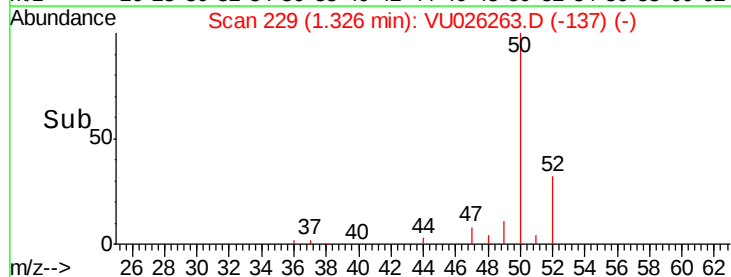
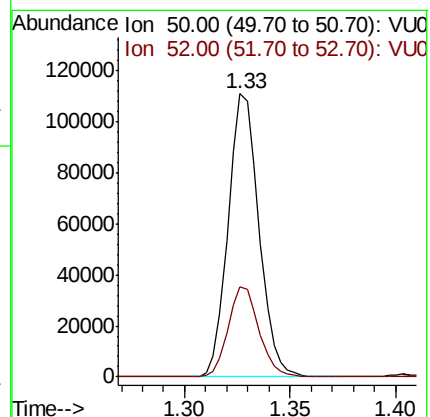
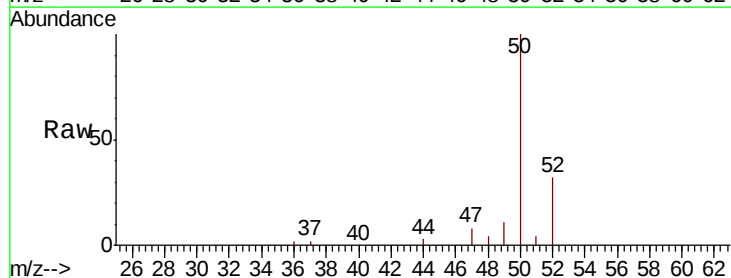
Acq: 22 Aug 2018 21:27

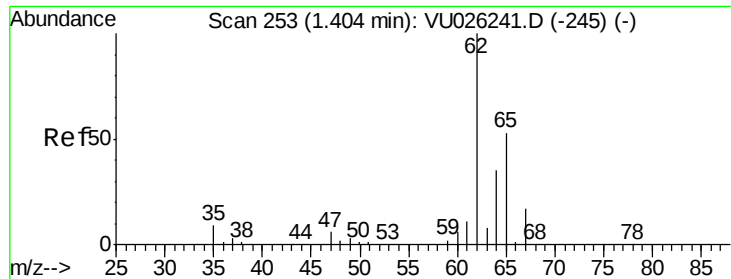
Tgt Ion: 50 Resp: 112124

Ion Ratio Lower Upper

50 100

52 32.0 22.6 42.0





#5

Vinyl chloride

Concen: 52.354 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

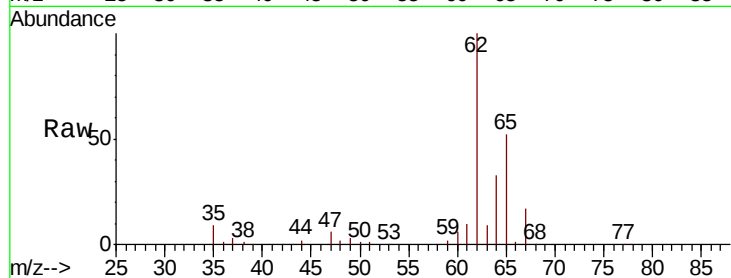
VSTD05047

Tgt Ion: 62 Resp: 113661

Ion Ratio Lower Upper

62 100

64 32.7 24.2 45.0



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

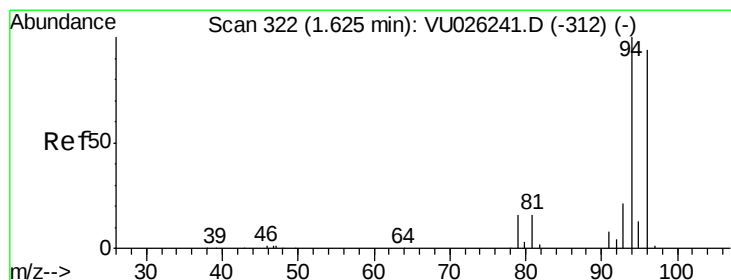
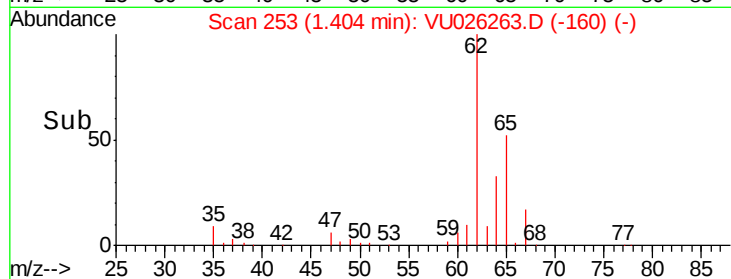
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 49.869 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU026263.D

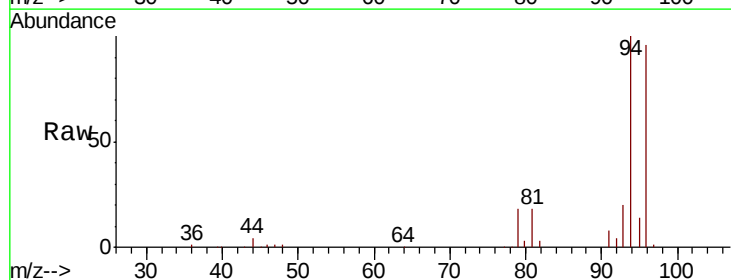
Acq: 22 Aug 2018 21:27

Tgt Ion: 94 Resp: 67317

Ion Ratio Lower Upper

94 100

96 96.2 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

50000

40000

30000

20000

10000

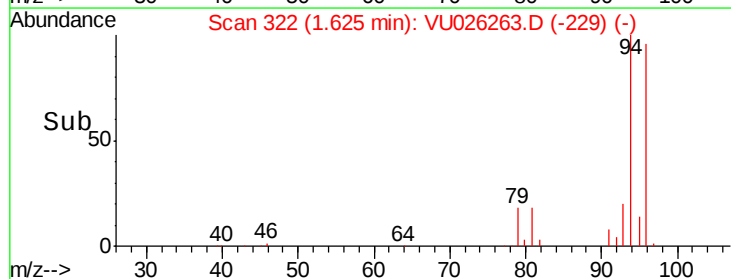
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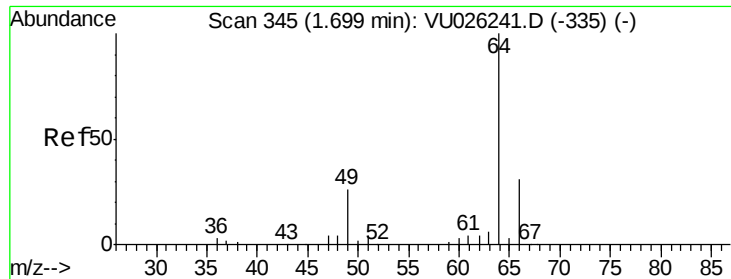
1.60

1.63

1.65

Time-->





#8

Chloroethane

Concen: 53.367 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

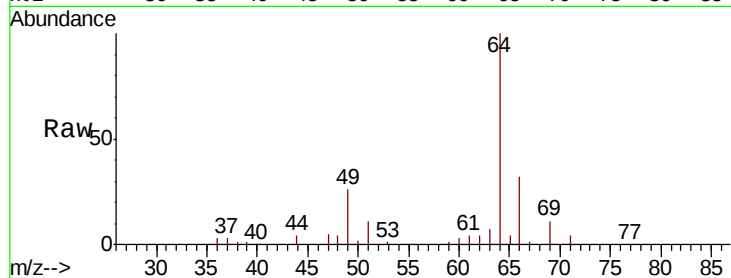
VSTD05047

Tgt Ion: 64 Resp: 66440

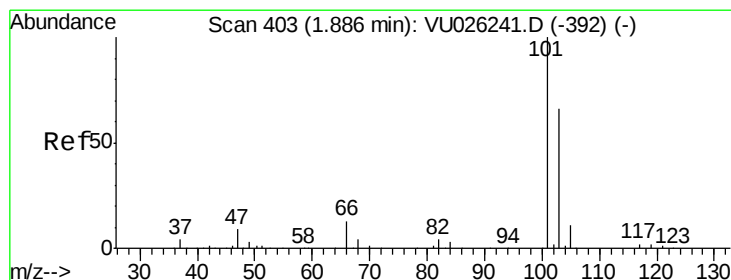
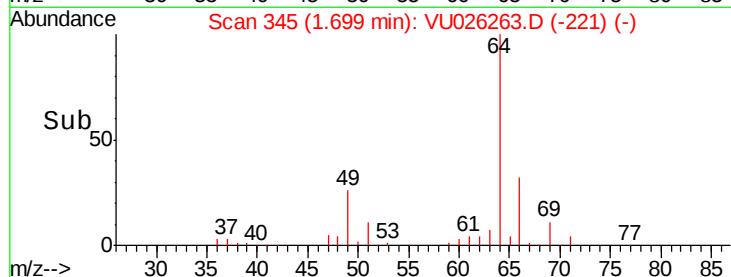
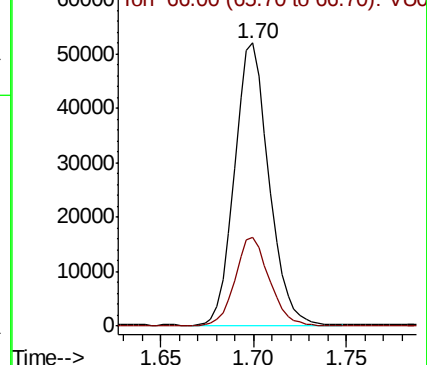
Ion Ratio Lower Upper

64 100

66 31.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026263.D (-221) (-)



#9

Trichlorofluoromethane

Concen: 53.329 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026263.D

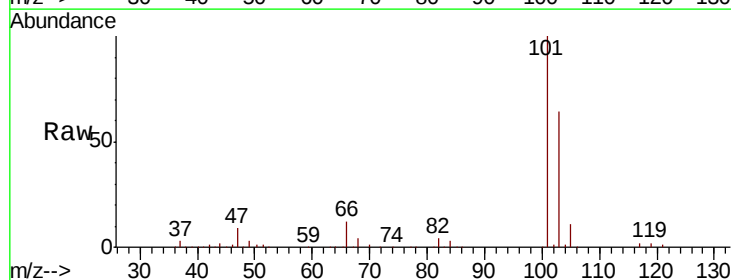
Acq: 22 Aug 2018 21:27

Tgt Ion: 101 Resp: 163981

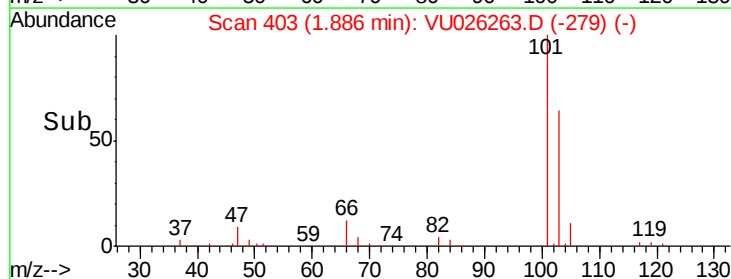
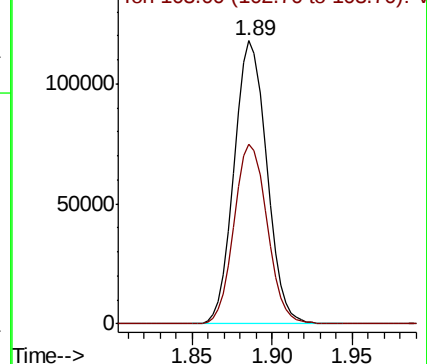
Ion Ratio Lower Upper

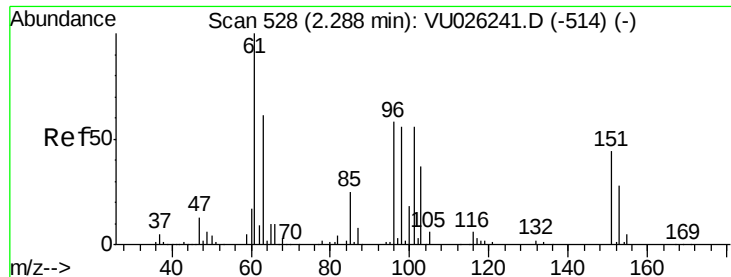
101 100

103 64.5 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026263.D (-279) (-)





#10

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

Concen: 52.332 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

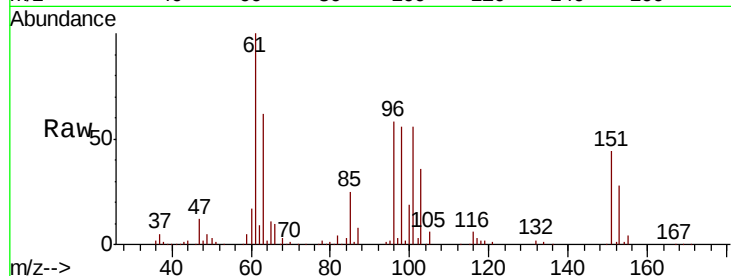
Tgt Ion: 101 Resp: 89290

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

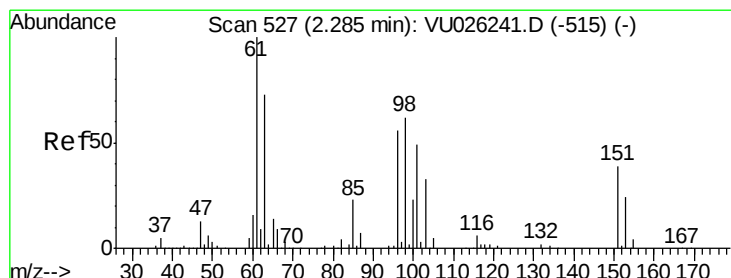
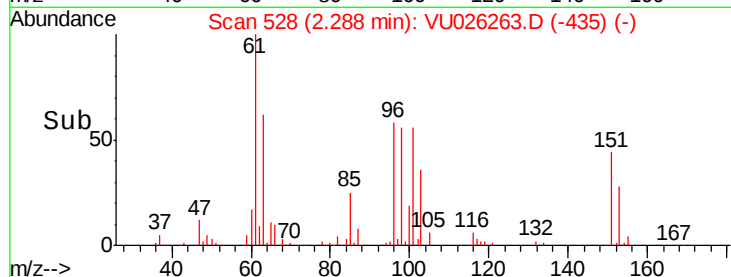
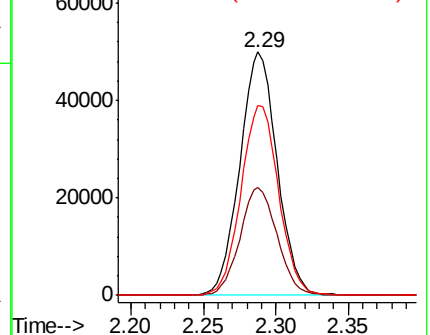
151 79.0 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.765 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

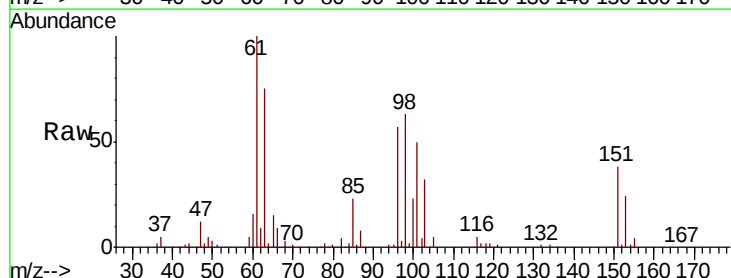
Tgt Ion: 96 Resp: 82658

Ion Ratio Lower Upper

96 100

61 176.7 124.7 231.5

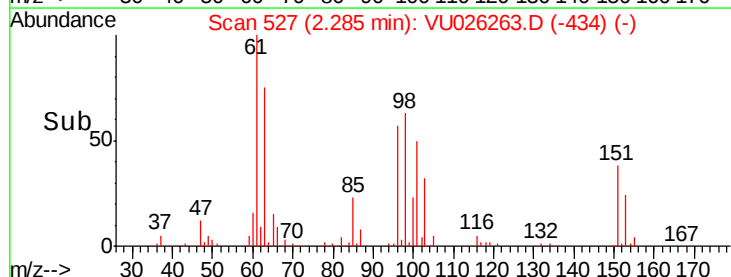
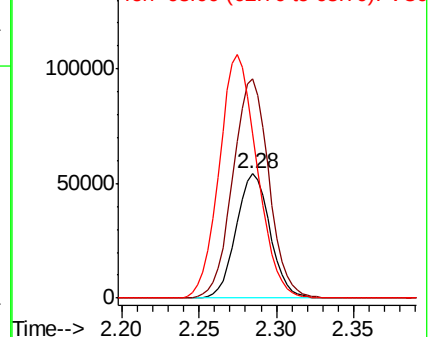
63 132.7 93.7 174.1

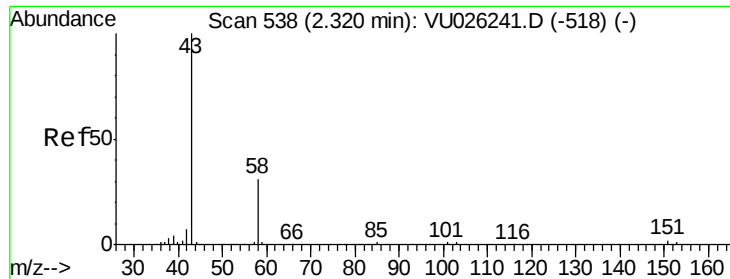


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.586 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

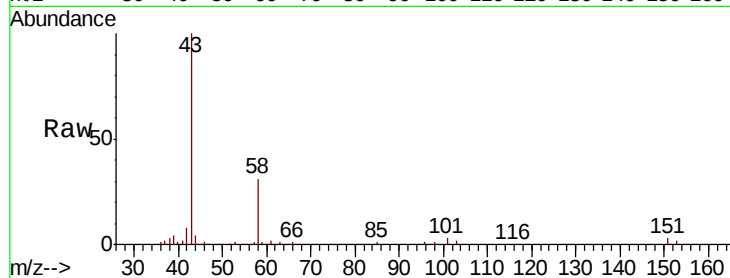
VSTD05047

Tgt Ion: 43 Resp: 101580

Ion Ratio Lower Upper

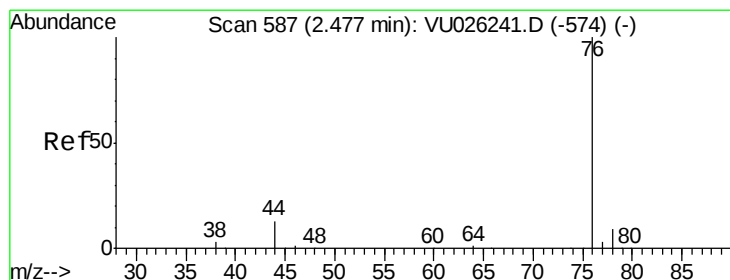
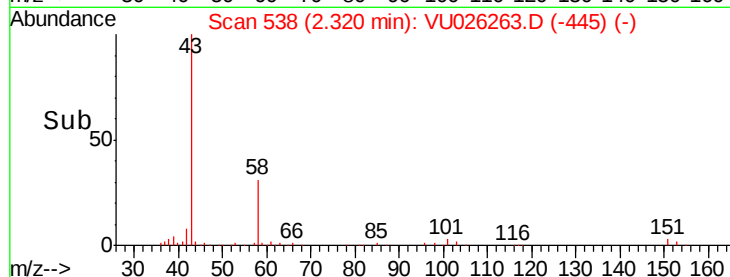
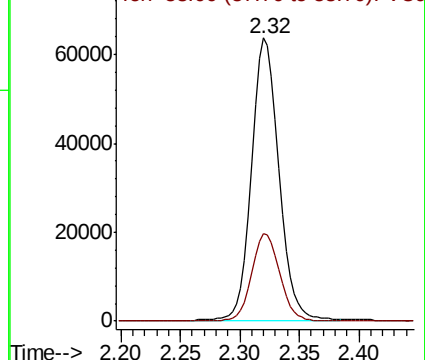
43 100

58 31.8 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU026241.D (-518) (-)

Ion 58.00 (57.70 to 58.70): VU026241.D (-518) (-)



#14

Carbon disulfide

Concen: 50.357 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026263.D

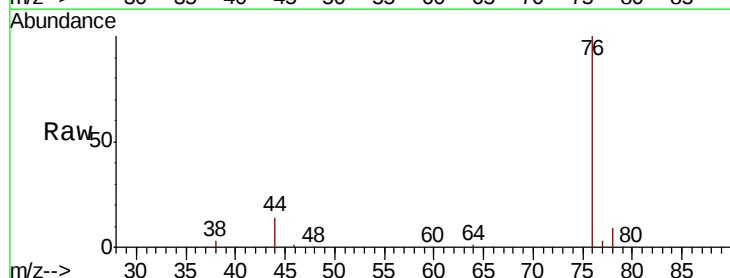
Acq: 22 Aug 2018 21:27

Tgt Ion: 76 Resp: 302640

Ion Ratio Lower Upper

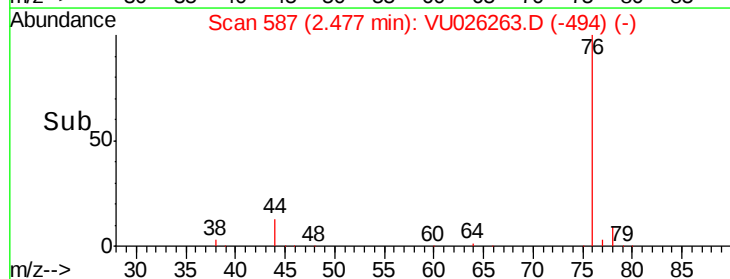
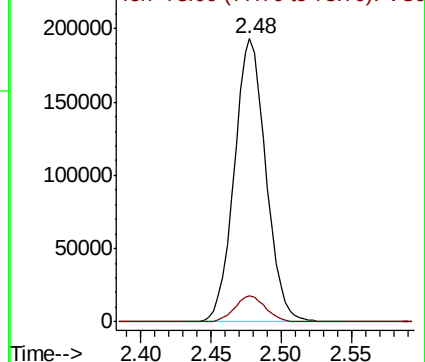
76 100

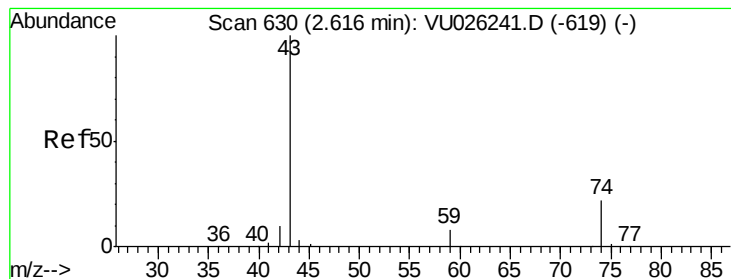
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU026241.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU026241.D (-574) (-)





#15

Methyl Acetate

Concen: 53.263 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

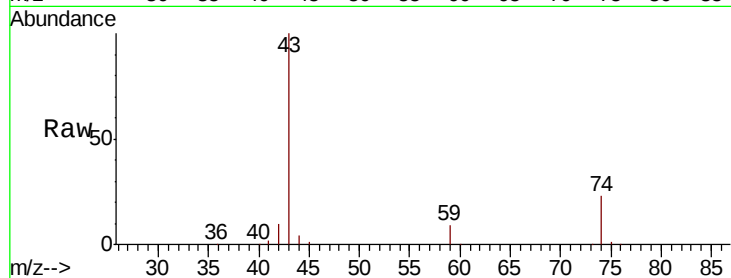
VSTD05047

Tgt Ion: 43 Resp: 114946

Ion Ratio Lower Upper

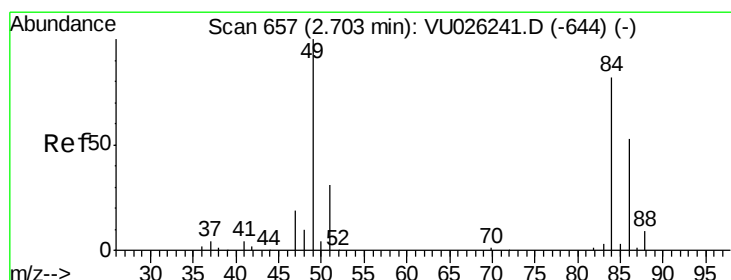
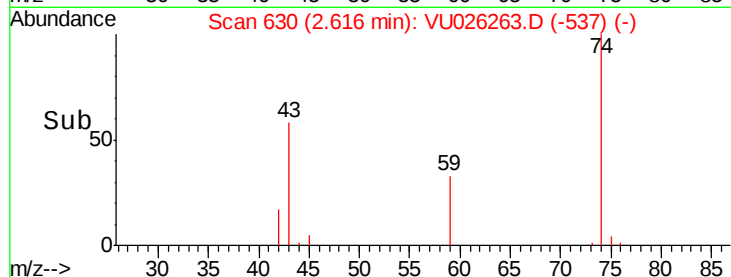
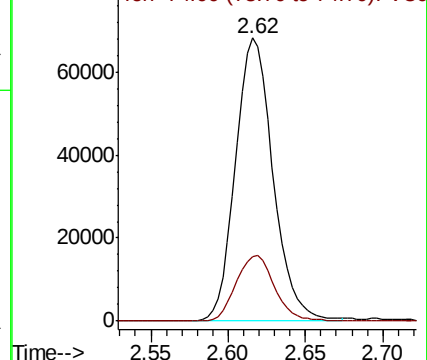
43 100

74 23.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 53.265 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

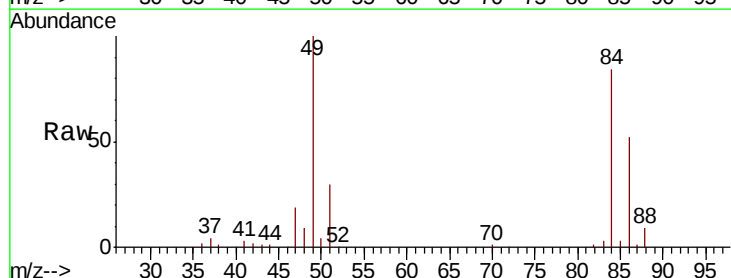
Tgt Ion: 84 Resp: 112290

Ion Ratio Lower Upper

84 100

86 61.8 45.4 84.4

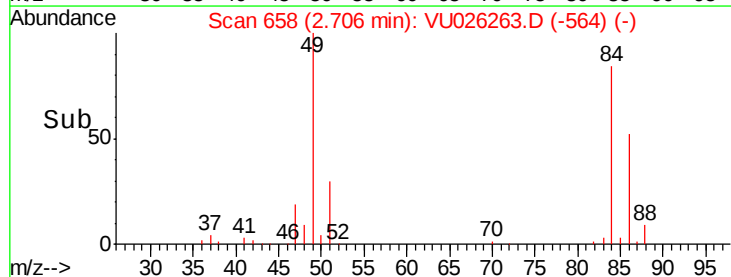
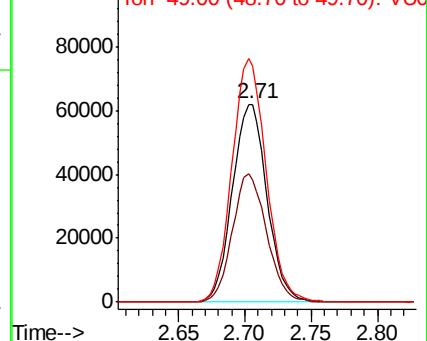
49 119.3 85.3 158.5

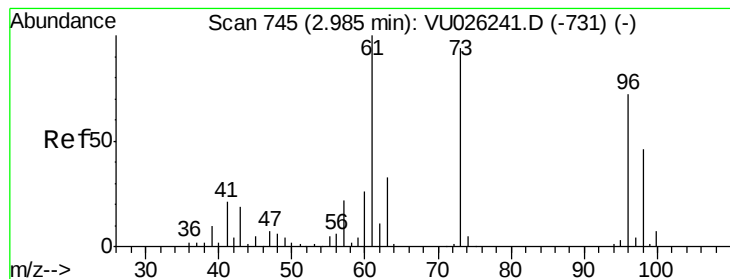


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 52.375 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

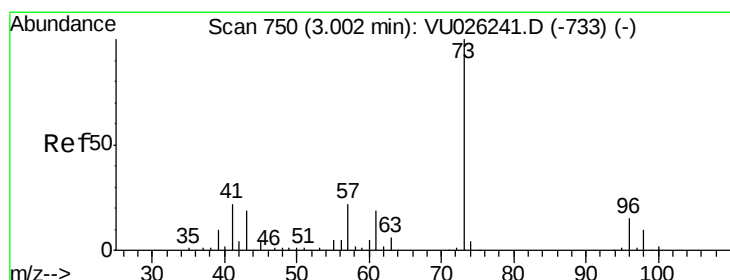
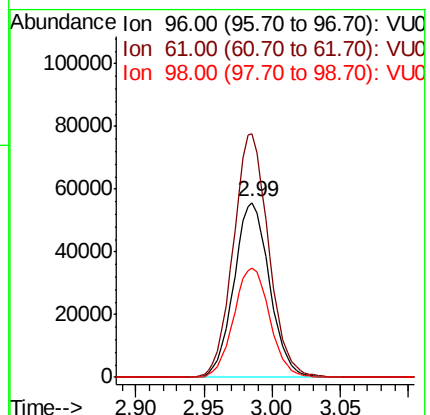
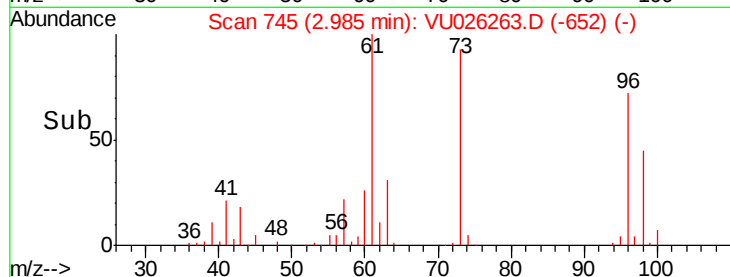
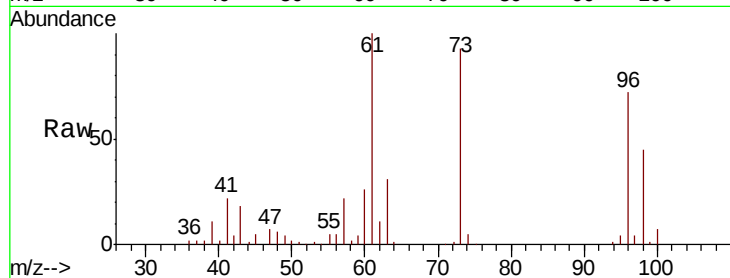
Tgt Ion: 96 Resp: 101133

Ion Ratio Lower Upper

96 100

61 139.5 97.9 181.9

98 62.8 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 53.371 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

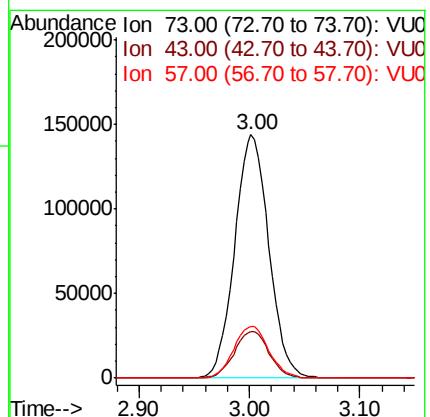
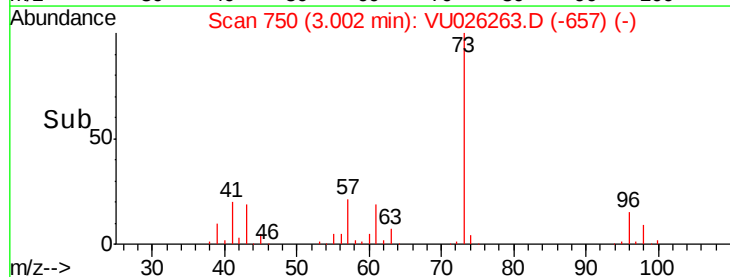
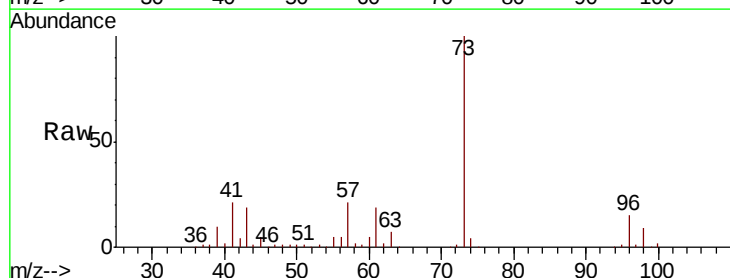
Tgt Ion: 73 Resp: 308729

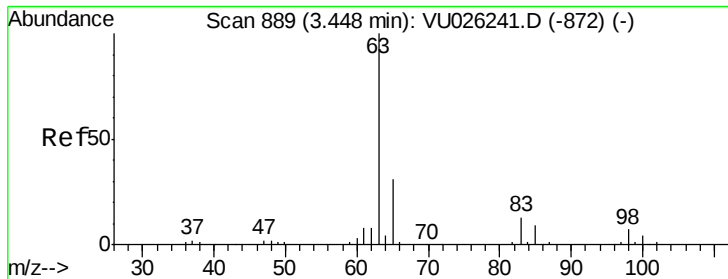
Ion Ratio Lower Upper

73 100

43 19.6 15.7 23.5

57 22.0 17.5 26.3

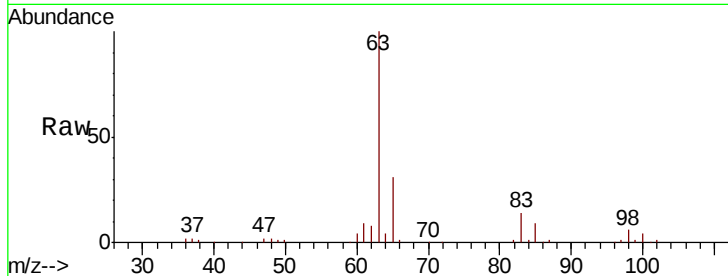




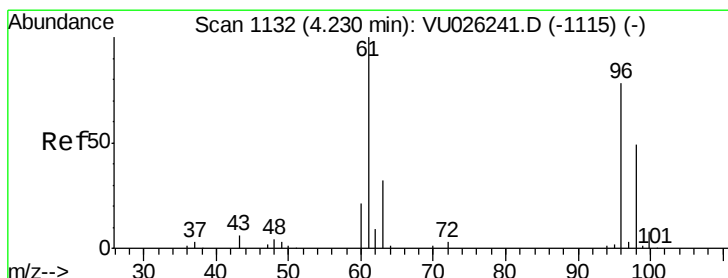
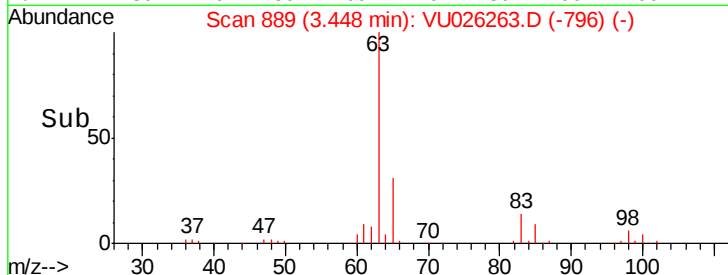
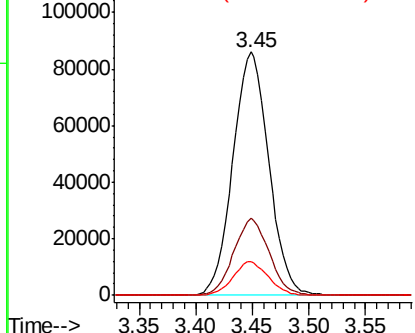
#19
 1,1-Dichloroethane
 Concen: 54.131 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion: 63 Resp: 190340
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.4 39.8
 83 13.9 9.2 17.2

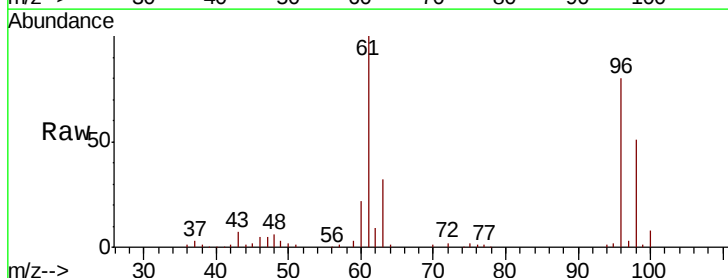


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

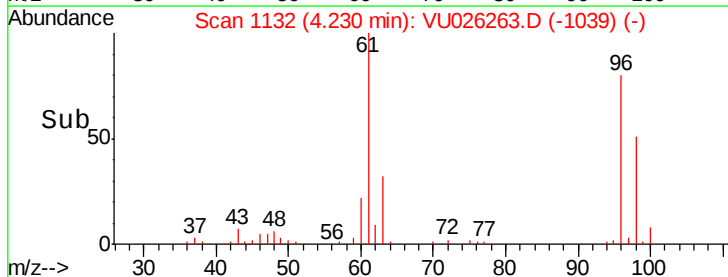
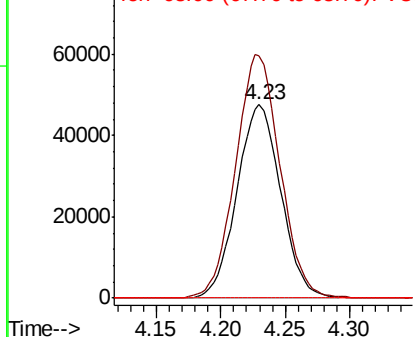


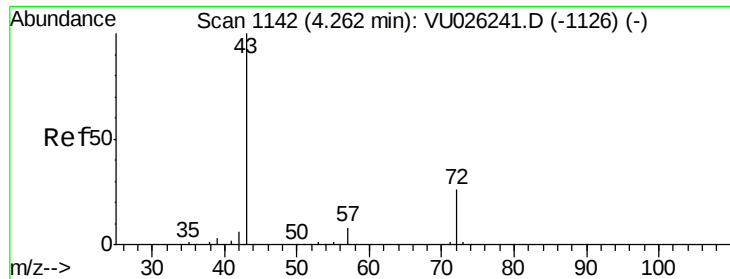
#20
 cis-1,2-Dichloroethene
 Concen: 52.841 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Tgt Ion: 96 Resp: 112623
 Ion Ratio Lower Upper
 96 100
 61 125.7 90.3 167.7
 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: 104.979 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampled :

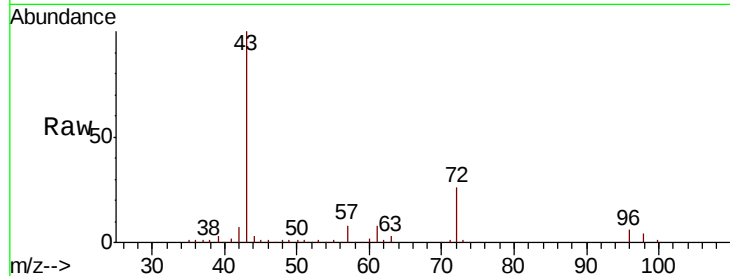
VSTD05047

Tgt Ion: 43 Resp: 157499

Ion Ratio Lower Upper

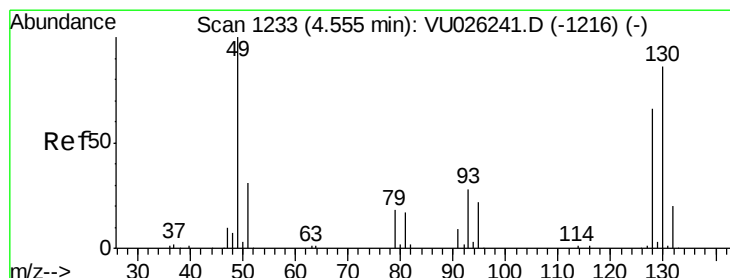
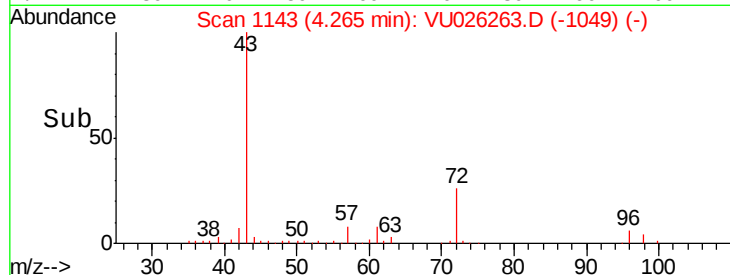
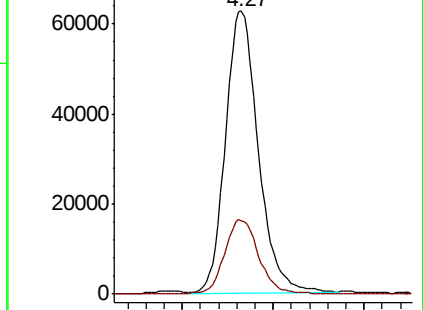
43 100

72 27.6 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026263.D (-1140) (-)

Ion 72.00 (71.70 to 72.70): VU026263.D (-1140) (-)



#23

Bromochloromethane

Concen: 53.394 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Tgt Ion: 128 Resp: 60861

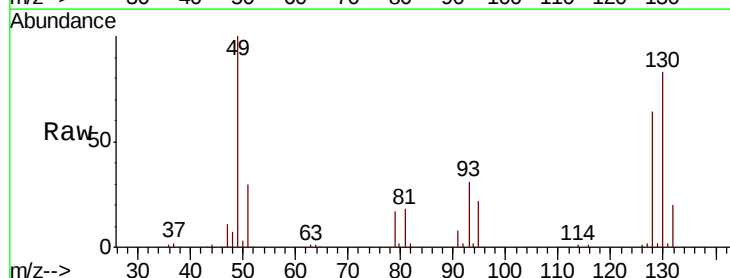
Ion Ratio Lower Upper

128 100

49 155.1 106.7 198.3

130 128.7 91.7 170.3

51 46.6 38.0 57.0

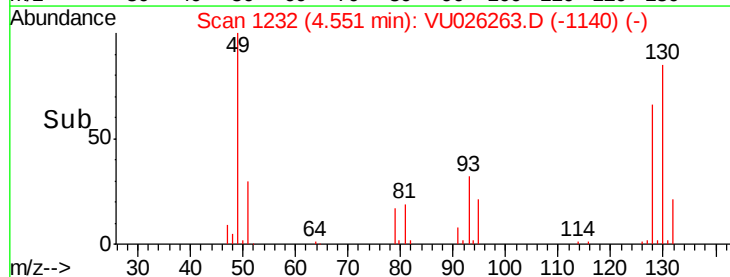
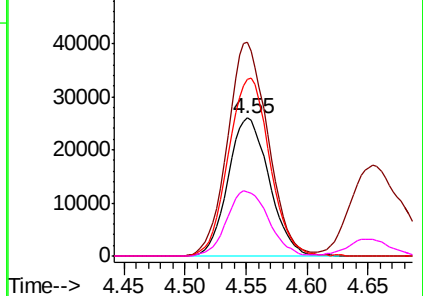


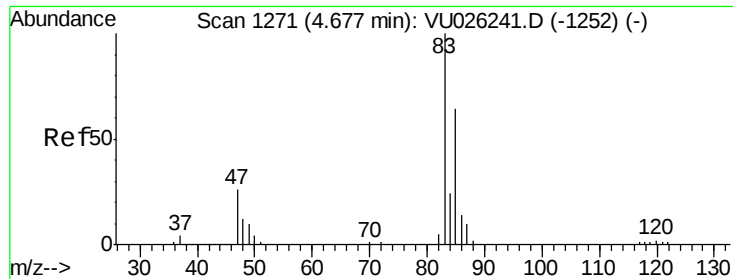
Abundance Ion 128.00 (127.70 to 128.70): VU026263.D (-1140) (-)

Ion 49.00 (48.70 to 49.70): VU026263.D (-1140) (-)

Ion 130.00 (129.70 to 130.70): VU026263.D (-1140) (-)

Ion 51.00 (50.70 to 51.70): VU026263.D (-1140) (-)

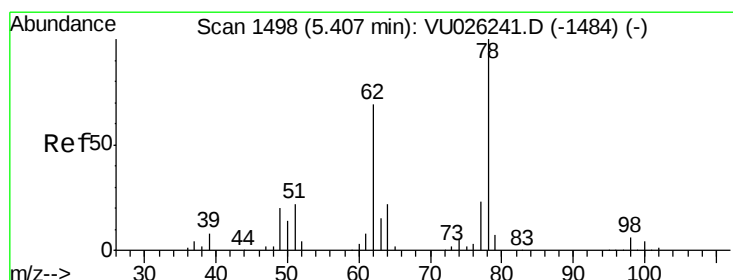
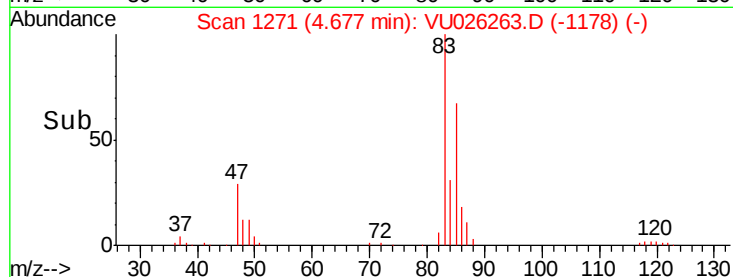
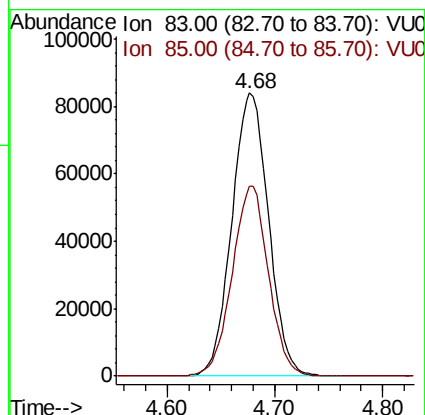
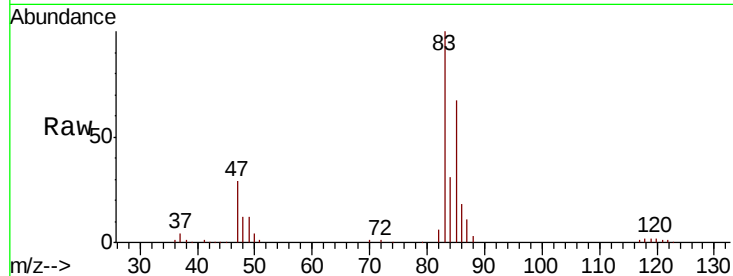




#25
Chloroform
Concen: 52.875 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026263.D
Acq: 22 Aug 2018 21:27

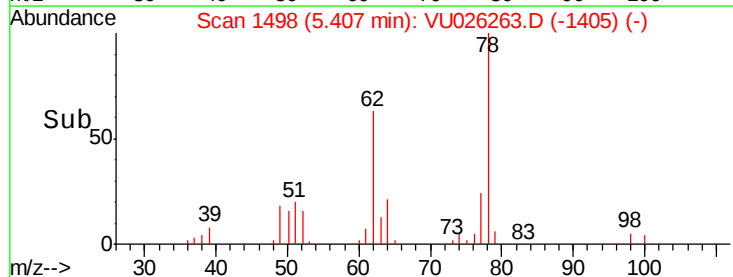
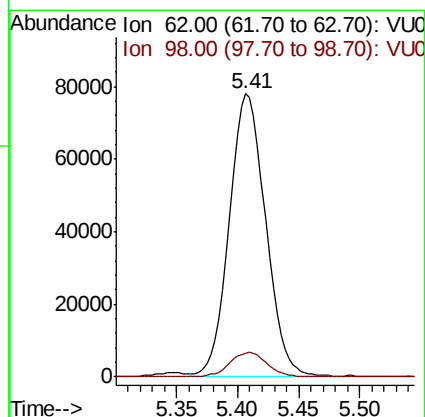
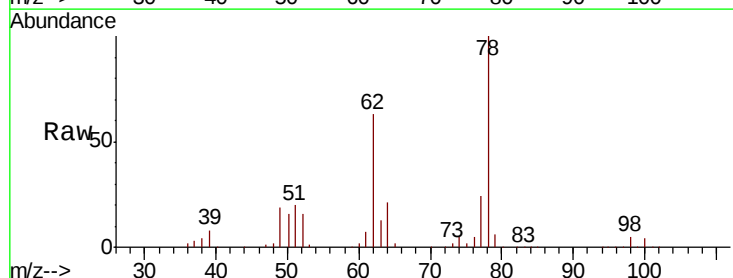
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

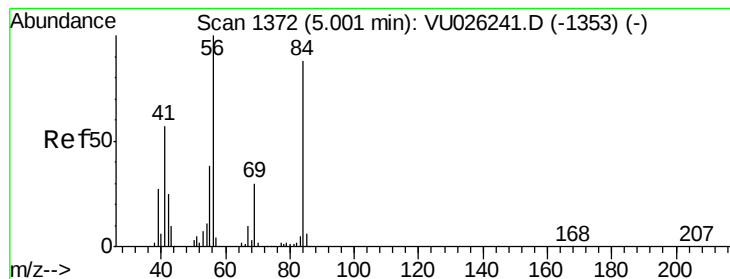
Tgt Ion: 83 Resp: 198484
Ion Ratio Lower Upper
83 100
85 67.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 54.372 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026263.D
Acq: 22 Aug 2018 21:27

Tgt Ion: 62 Resp: 162589
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#29

Cyclohexane

Concen: 52.266 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

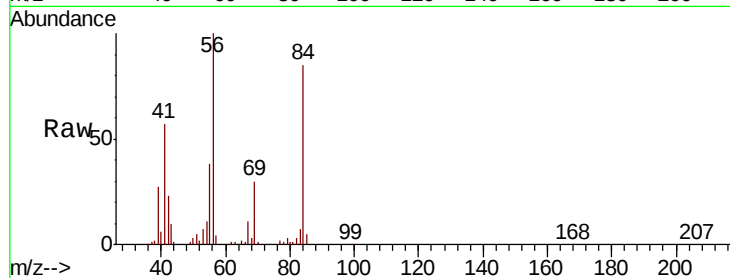
Tgt Ion: 56 Resp: 157863

Ion Ratio Lower Upper

56 100

69 30.7 24.6 37.0

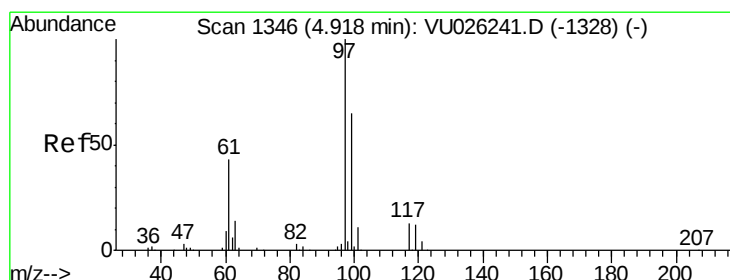
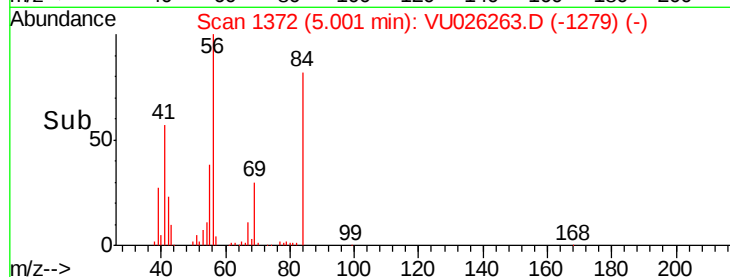
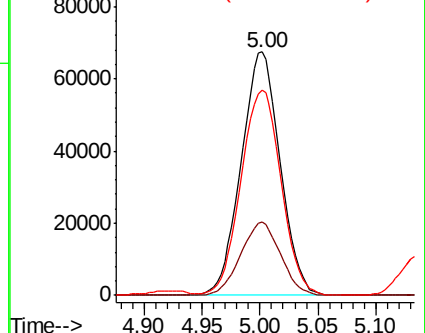
84 87.1 70.1 105.1



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: 52.481 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

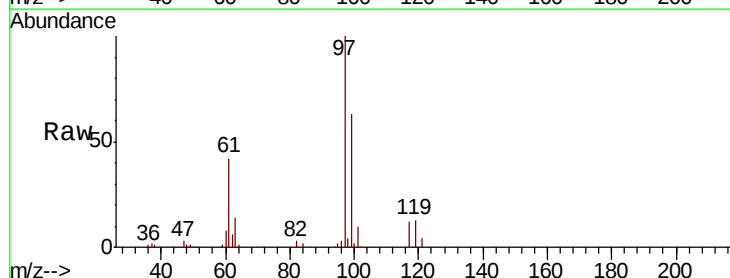
Tgt Ion: 97 Resp: 179586

Ion Ratio Lower Upper

97 100

99 64.0 52.0 78.0

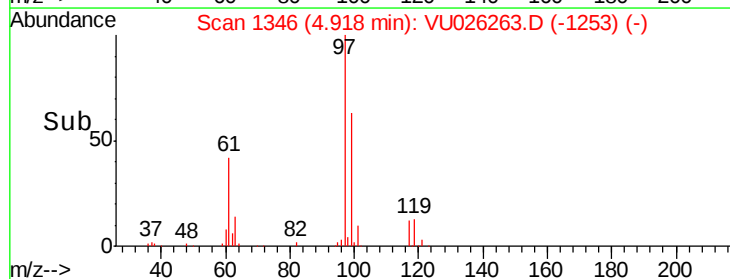
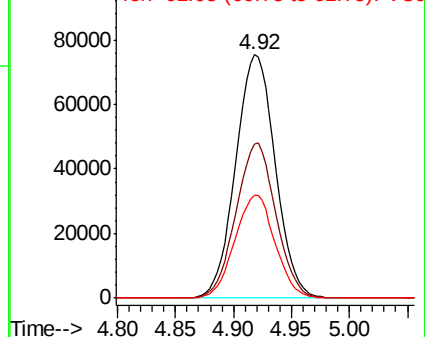
61 42.8 34.2 51.4

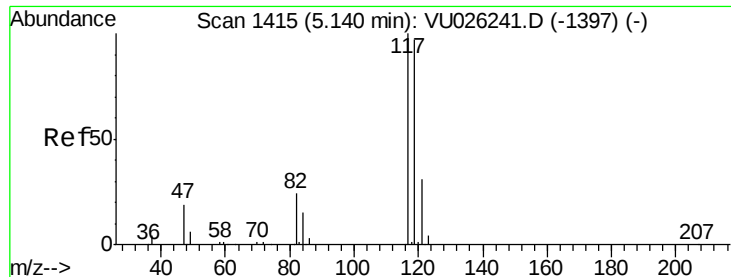


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 51.052 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

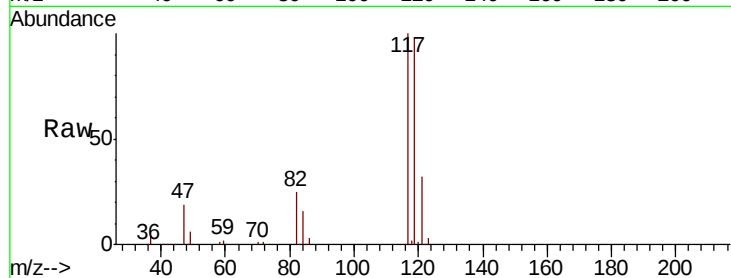
VSTD05047

Tgt Ion:117 Resp: 164241

Ion Ratio Lower Upper

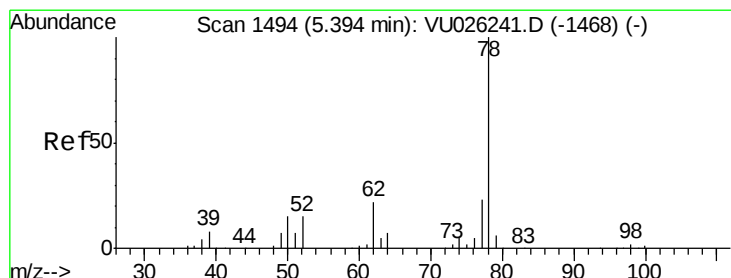
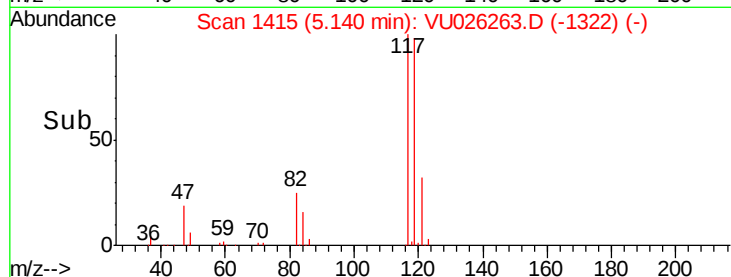
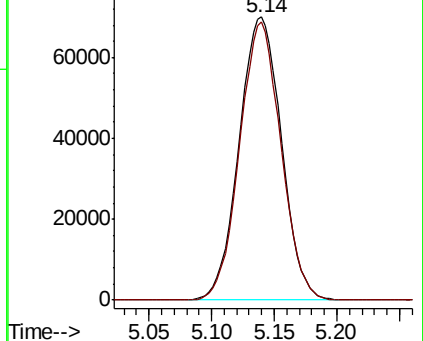
117 100

119 95.9 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.020 ug/L

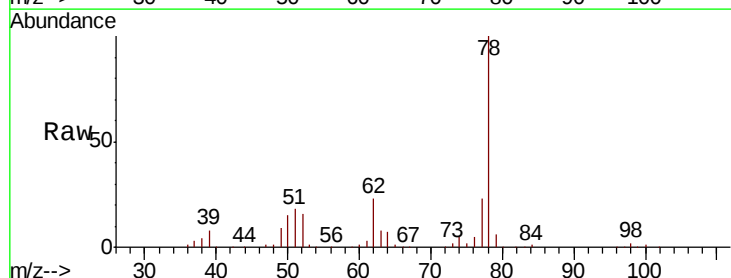
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

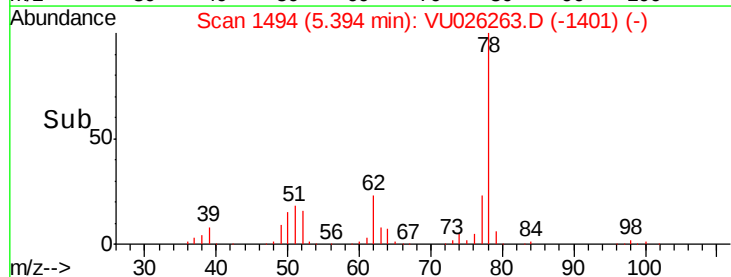
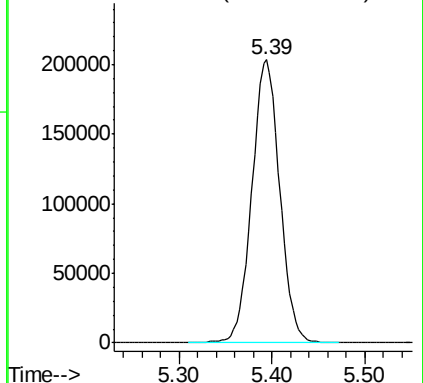
Lab File: VU026263.D

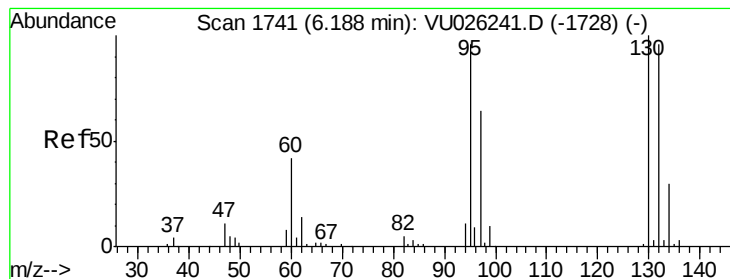
Acq: 22 Aug 2018 21:27

Tgt Ion: 78 Resp: 425714



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.200 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 95 Resp: 108708

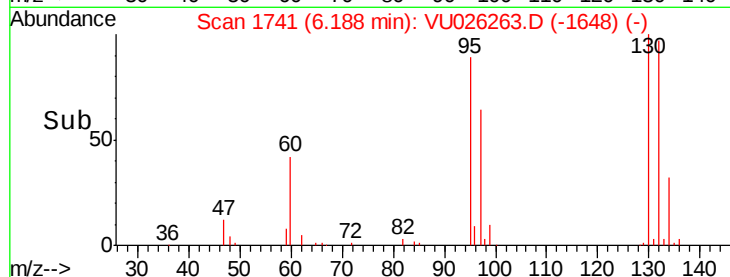
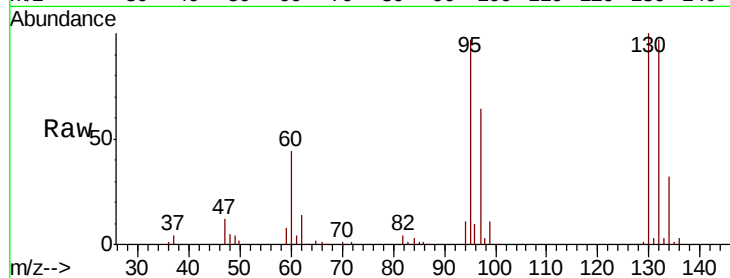
Ion Ratio Lower Upper

95 100

97 65.7 47.2 87.6

132 99.2 70.2 130.4

130 102.6 73.4 136.4

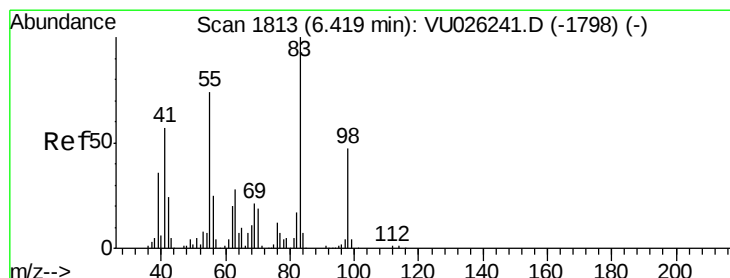
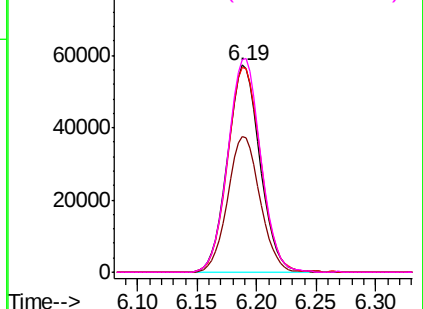


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.473 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

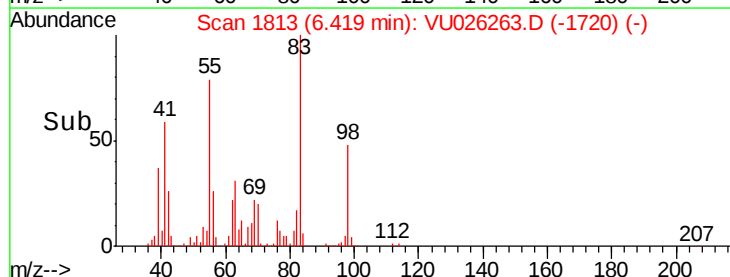
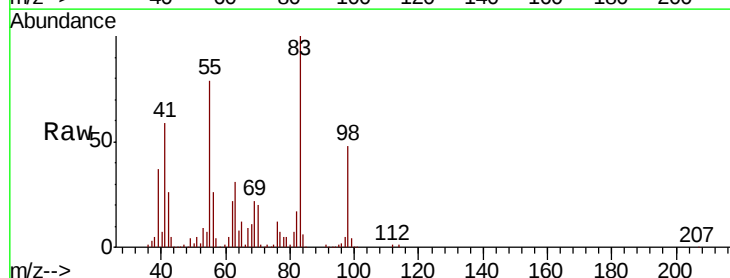
Tgt Ion: 83 Resp: 167118

Ion Ratio Lower Upper

83 100

55 78.3 60.6 91.0

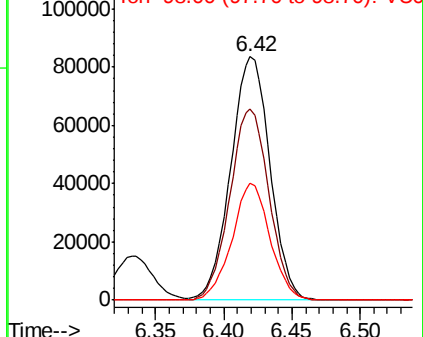
98 46.3 36.8 55.2

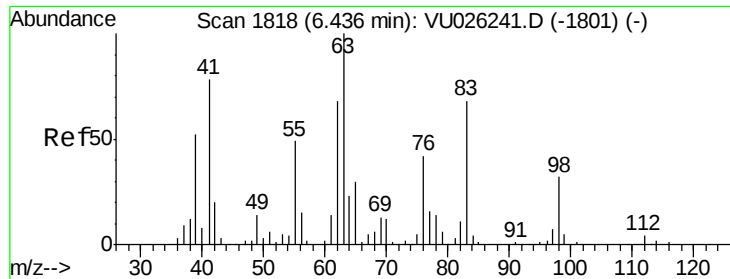


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

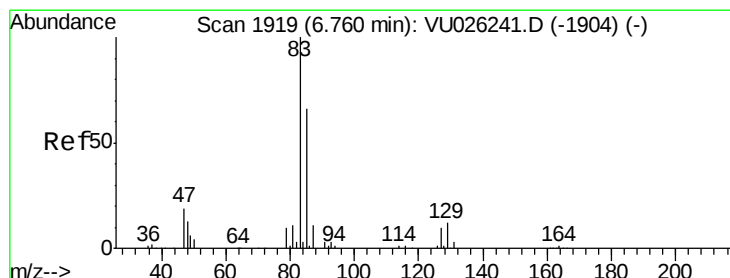
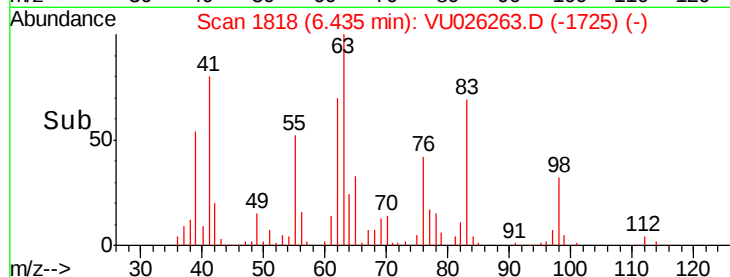
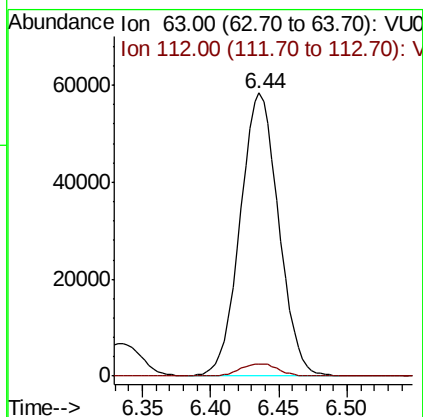
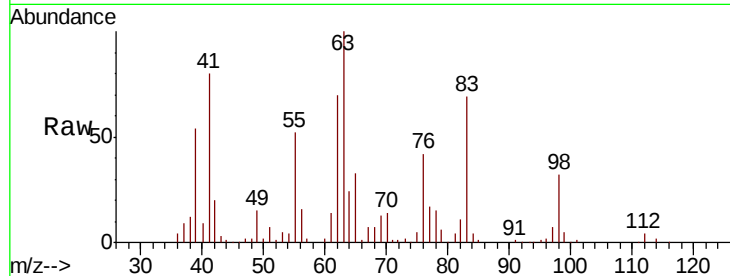




#37
 1,2-Dichloropropane
 Concen: 51.729 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

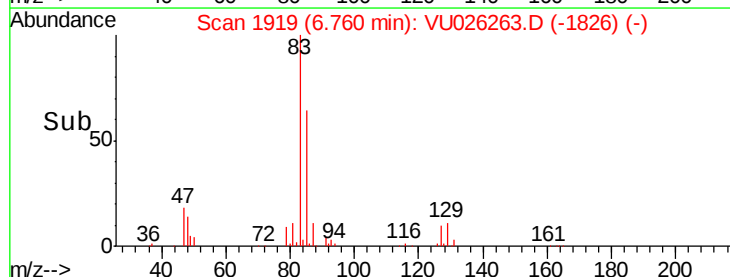
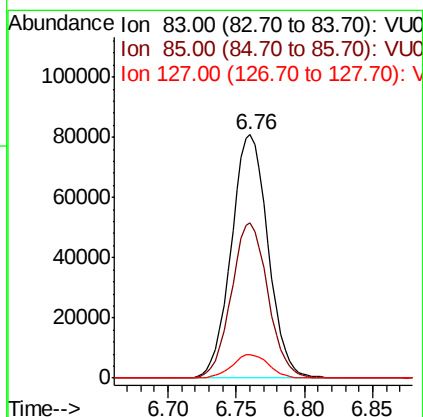
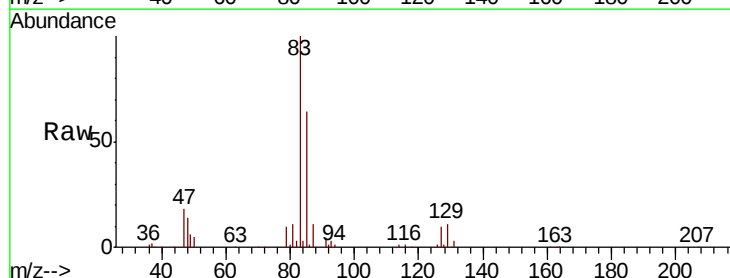
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

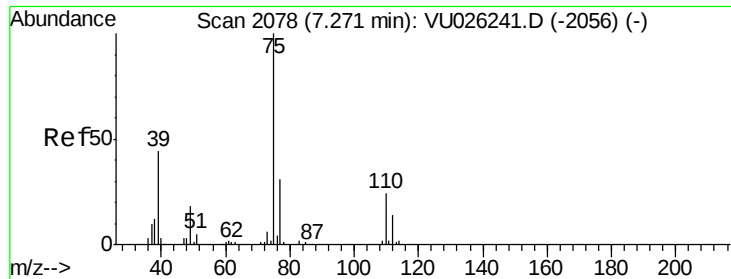
Tgt Ion: 63 Resp: 113511
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 51.682 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Tgt Ion: 83 Resp: 151646
 Ion Ratio Lower Upper
 83 100
 85 64.0 46.3 86.1
 127 9.7 7.8 11.6



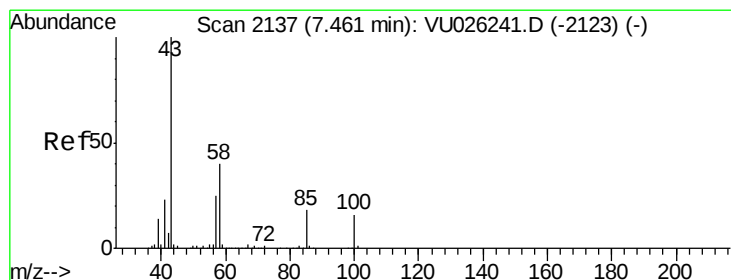
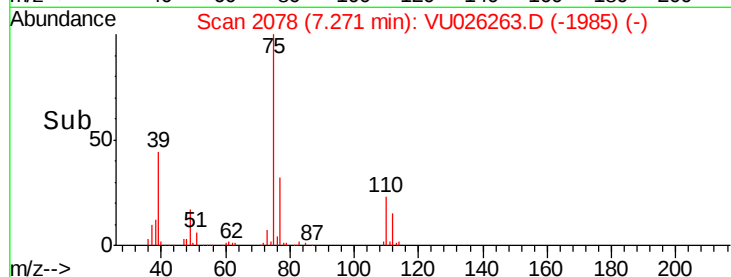
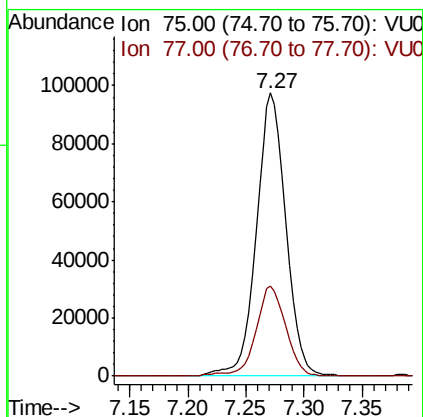
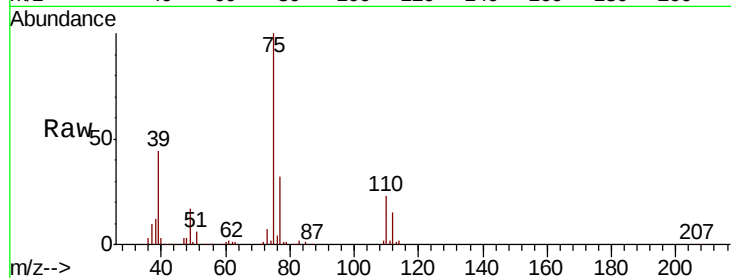


#39

cis-1,3-Dichloropropene
 Concen: 51.826 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

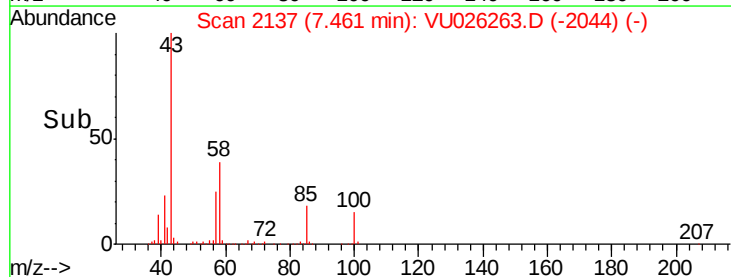
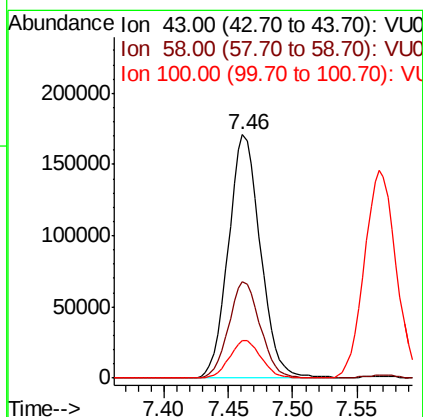
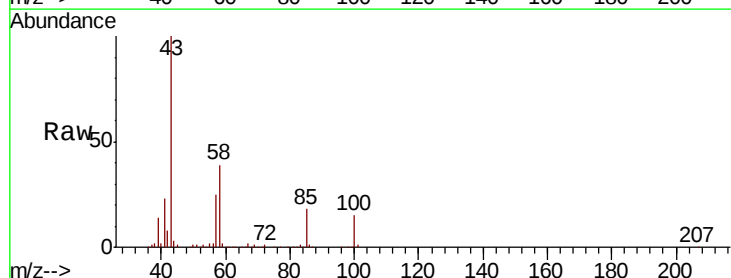
Tgt Ion: 75 Resp: 172743
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.0 40.8

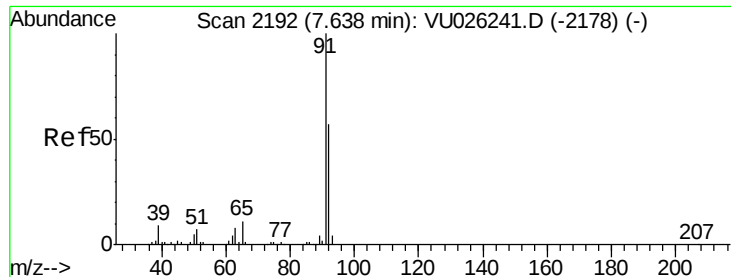


#40

4-Methyl-2-pentanone
 Concen: 106.316 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Tgt Ion: 43 Resp: 295673
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.6 47.4
 100 15.3 12.3 18.5





#42

Toluene

Concen: 53.778 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

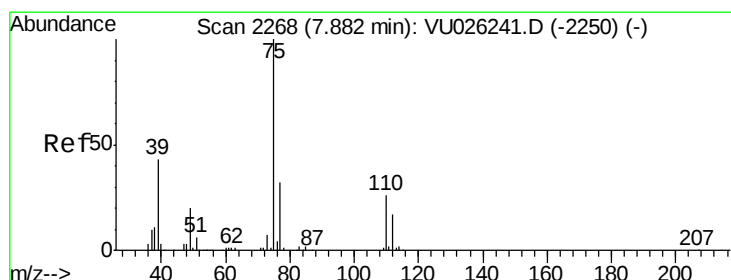
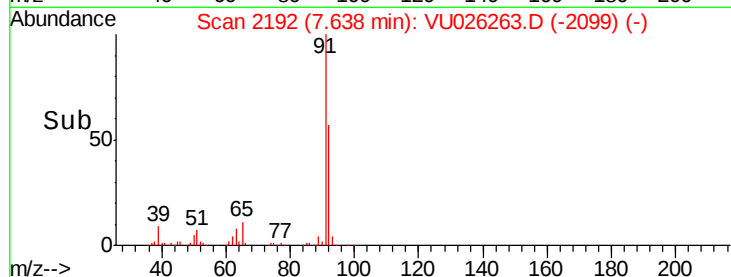
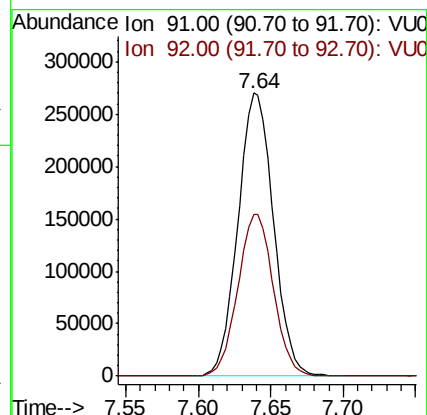
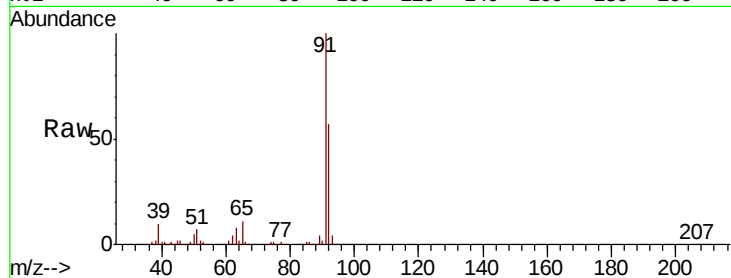
VSTD05047

Tgt Ion: 91 Resp: 459444

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 51.964 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026263.D

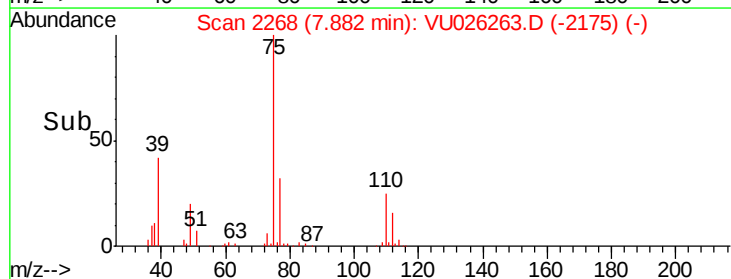
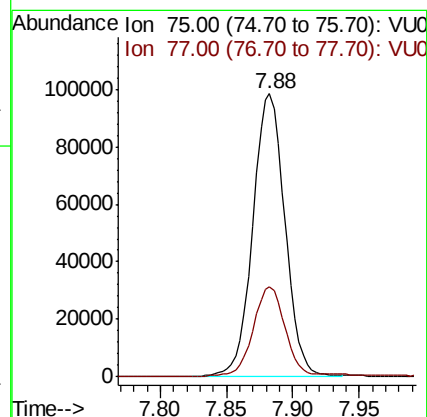
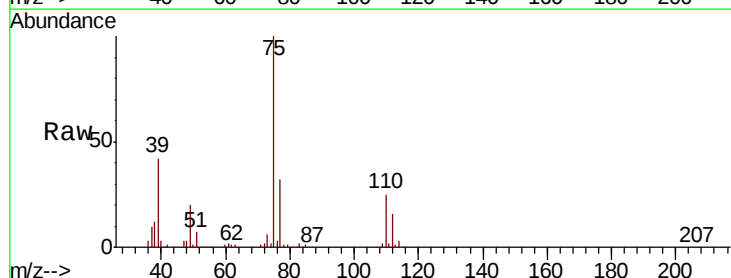
Acq: 22 Aug 2018 21:27

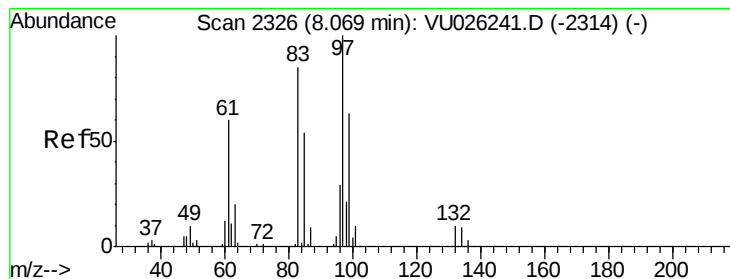
Tgt Ion: 75 Resp: 166653

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 52.337 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 97 Resp: 108491

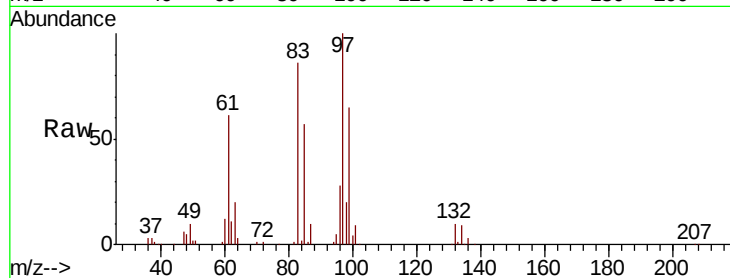
Ion Ratio Lower Upper

97 100

99 64.8 44.0 81.6

83 85.7 59.2 110.0

85 57.2 38.0 70.6

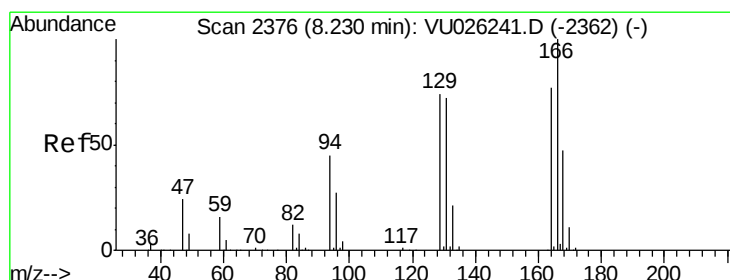
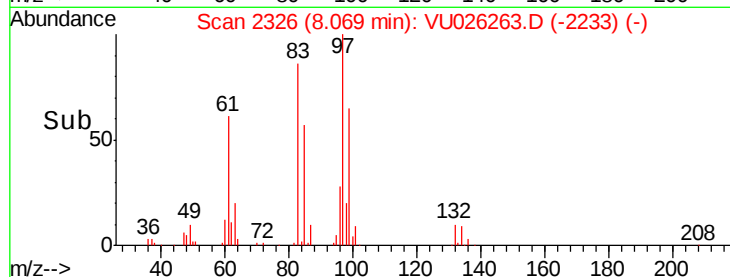
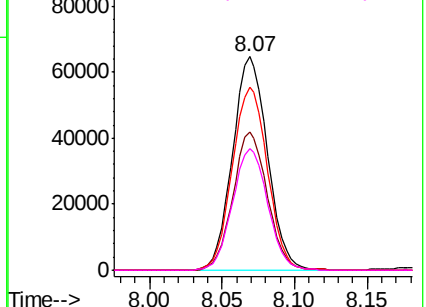


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 51.708 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Tgt Ion: 164 Resp: 94466

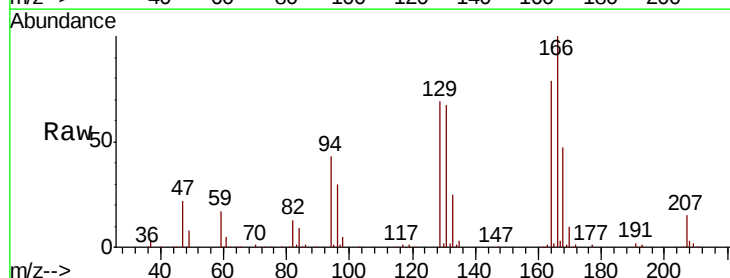
Ion Ratio Lower Upper

164 100

129 88.0 67.3 124.9

131 85.2 65.5 121.7

166 126.9 90.9 168.9

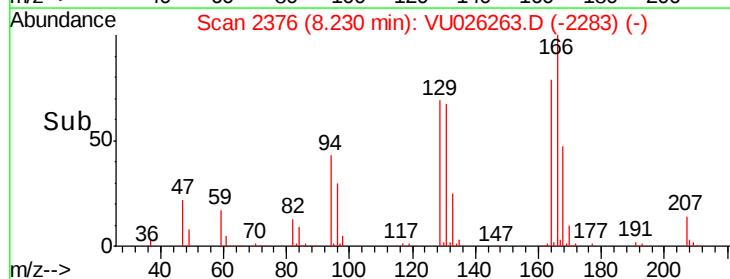
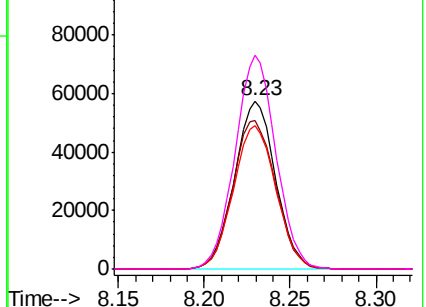


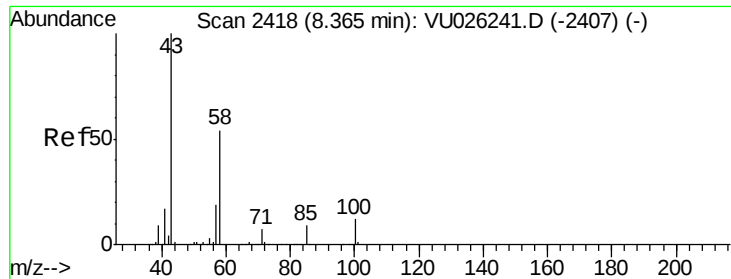
Abundance Ion 164.00 (163.70 to 164.70): V

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

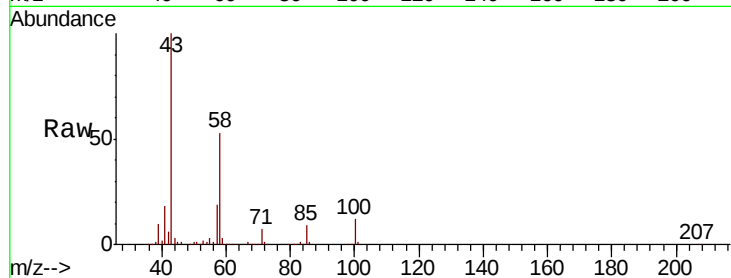




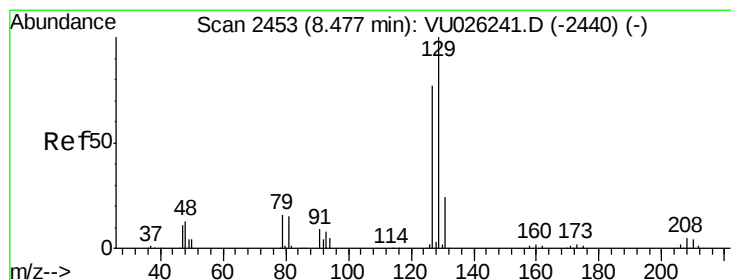
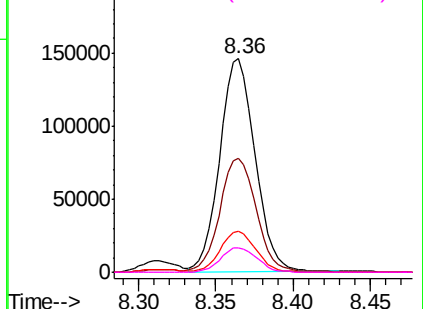
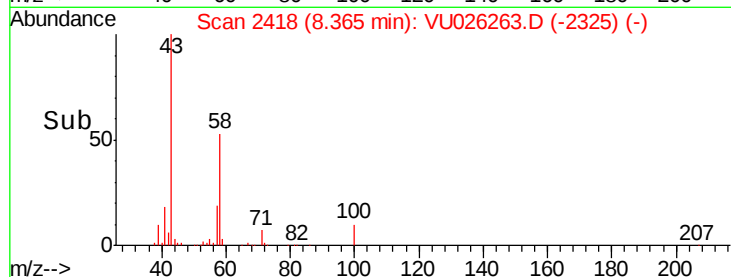
#48
2-Hexanone
Concen: 103.380 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026263.D
Acq: 22 Aug 2018 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion:	43	Resp:	231381
Ion	Ratio	Lower	Upper
43	100		
58	54.9	42.6	63.8
57	19.3	15.1	22.7
100	11.9	9.5	14.3

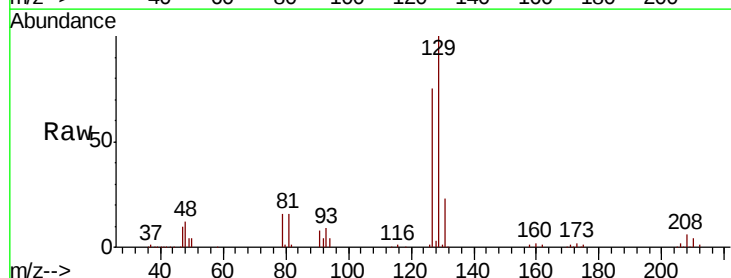


Abundance Ion 43.00 (42.70 to 43.70): VU026263.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU026263.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU026263.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU026263.D (-2325) (-)

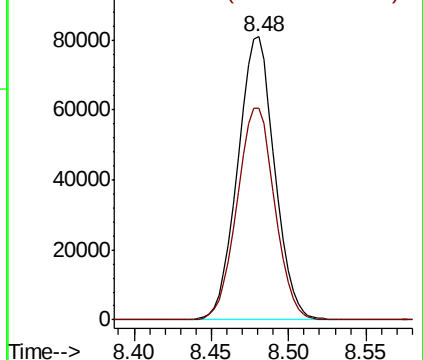
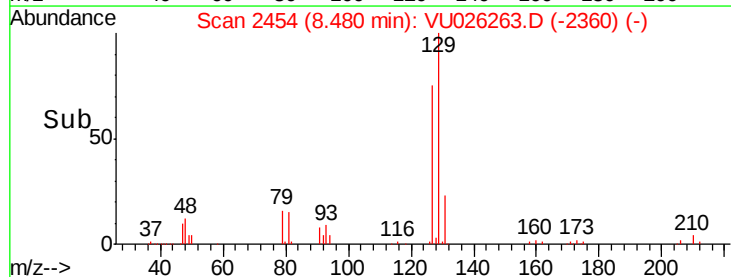


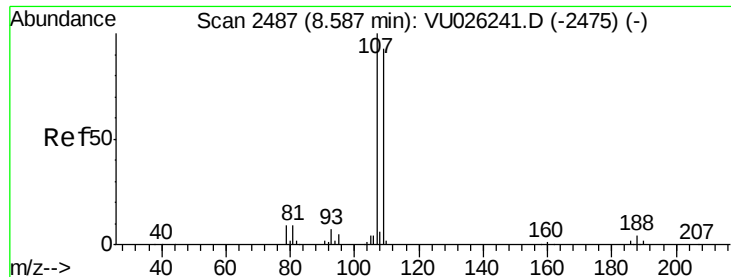
#49
Dibromochloromethane
Concen: 52.694 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026263.D
Acq: 22 Aug 2018 21:27

Tgt Ion:	129	Resp:	134242
Ion	Ratio	Lower	Upper
129	100		
127	75.0	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): VU026263.D (-2360) (-)
Ion 127.00 (126.70 to 127.70): VU026263.D (-2360) (-)

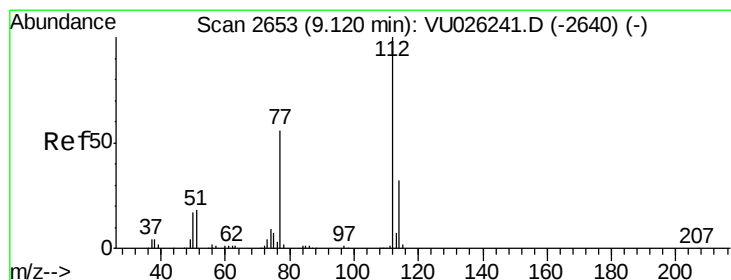
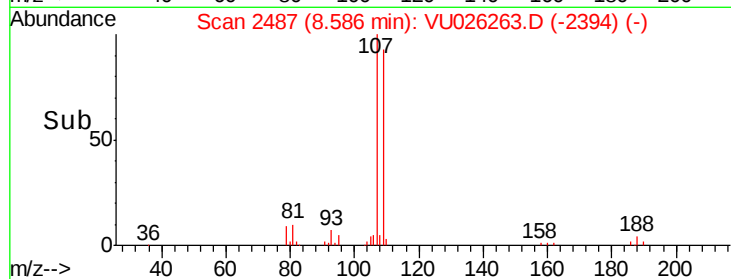
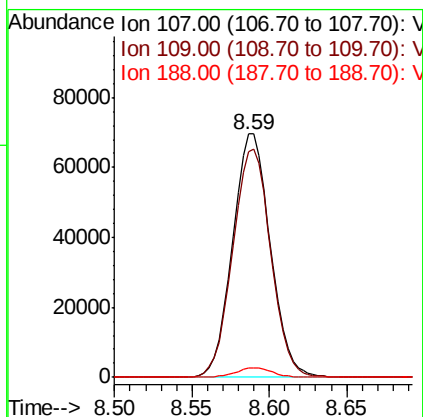
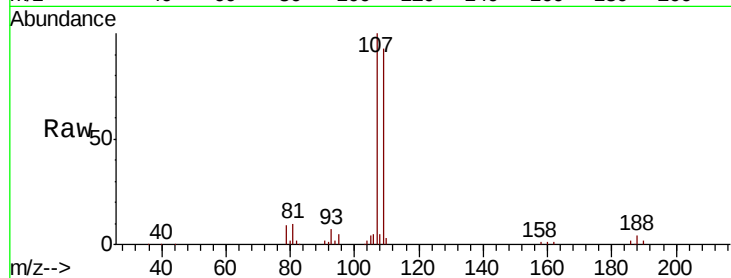




#50
 1,2-Dibromoethane
 Concen: 51.545 ug/L
 RT: 8.59 min Scan# 2487
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

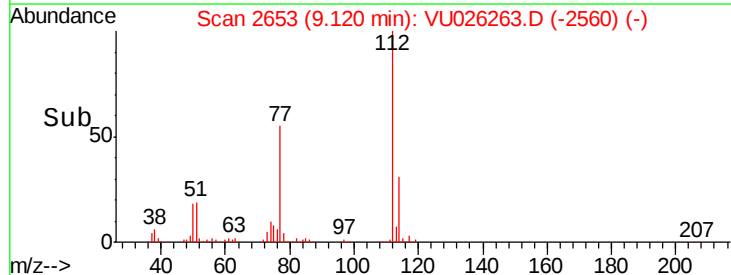
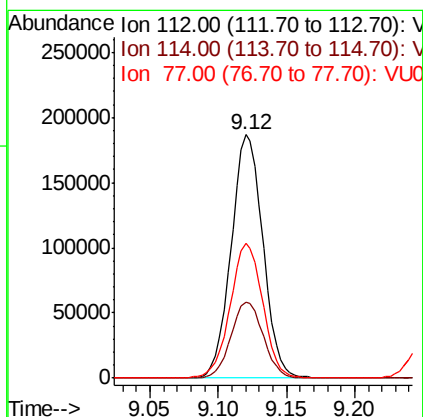
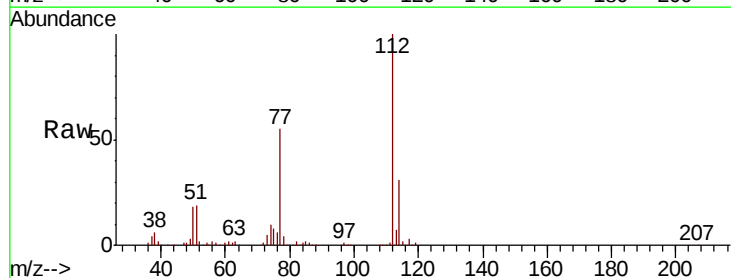
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

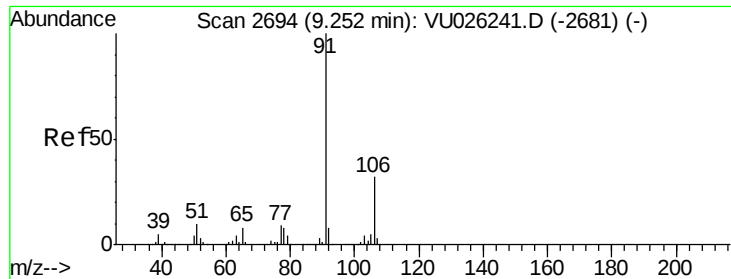
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.2	121.0
188	3.7	3.4	5.2



#51
 Chlorobenzene
 Concen: 51.712 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.5	41.9
77	55.1	45.4	68.2

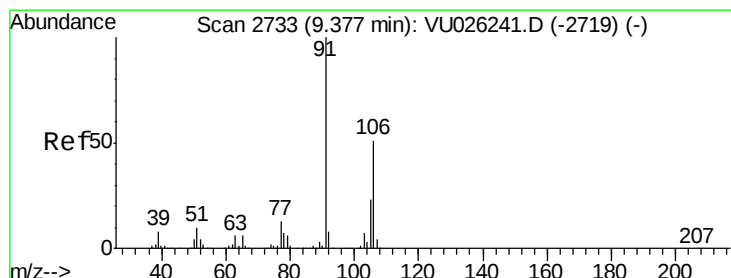
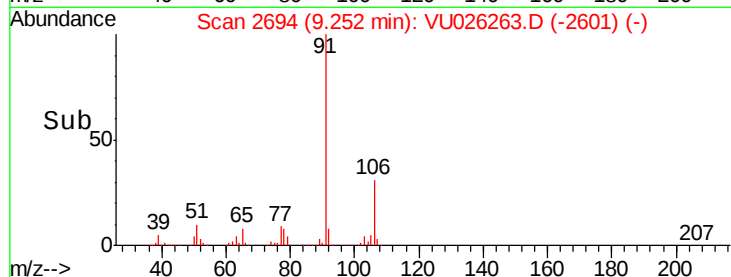
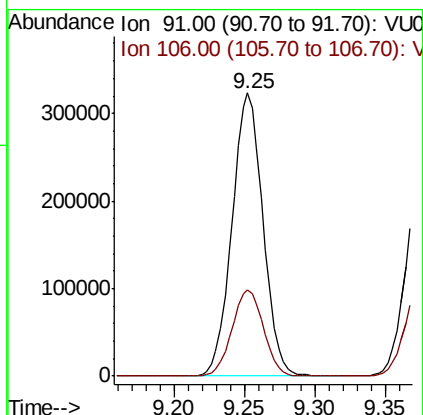
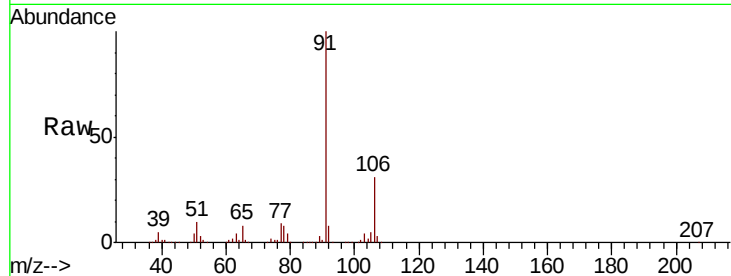




#52
Ethylbenzene
Concen: 53.385 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU026263.D
Acq: 22 Aug 2018 21:27

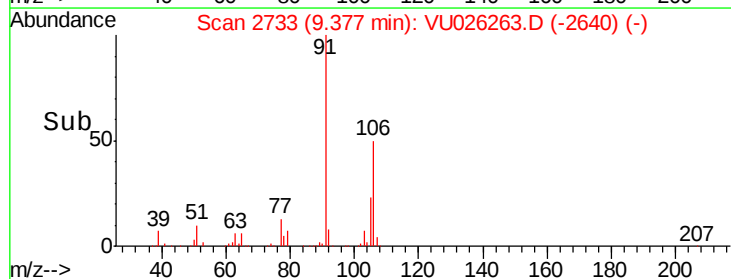
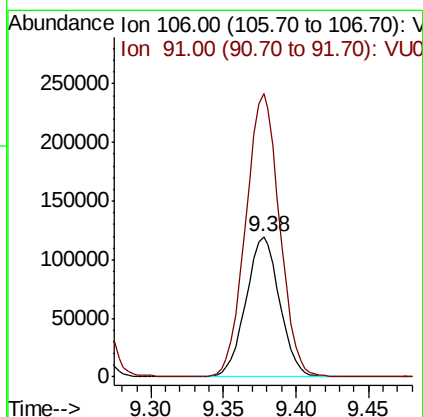
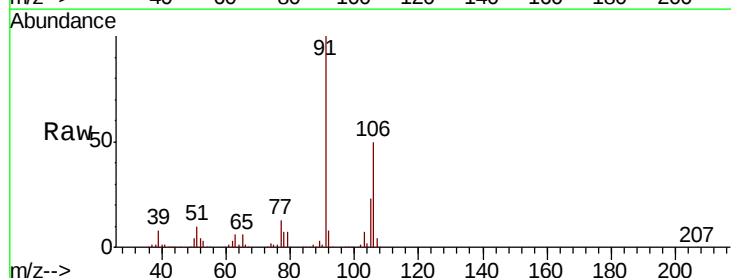
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

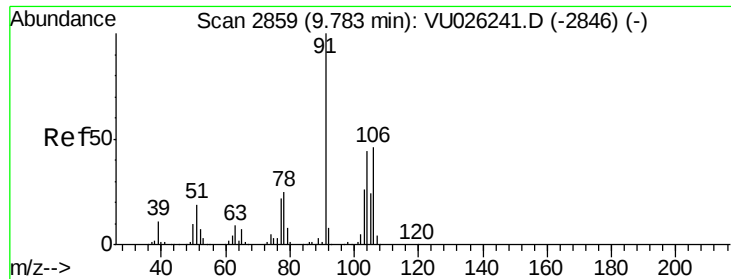
Tgt Ion: 91 Resp: 496774
Ion Ratio Lower Upper
91 100
106 30.6 22.3 41.5



#53
m,p-Xylene
Concen: 53.750 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU026263.D
Acq: 22 Aug 2018 21:27

Tgt Ion: 106 Resp: 193322
Ion Ratio Lower Upper
106 100
91 201.7 136.6 253.8





#54

o-xylene

Concen: 53.821 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

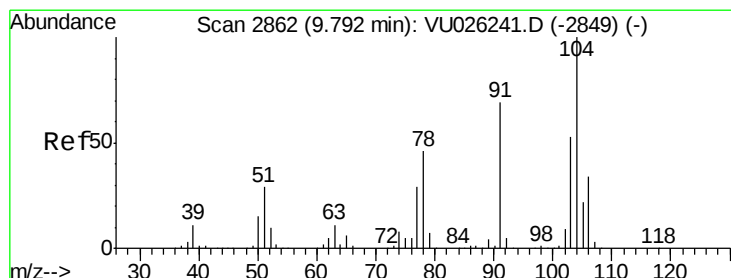
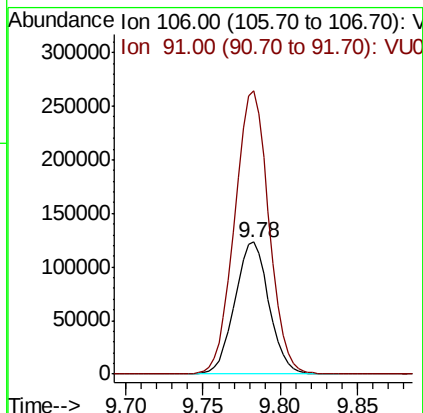
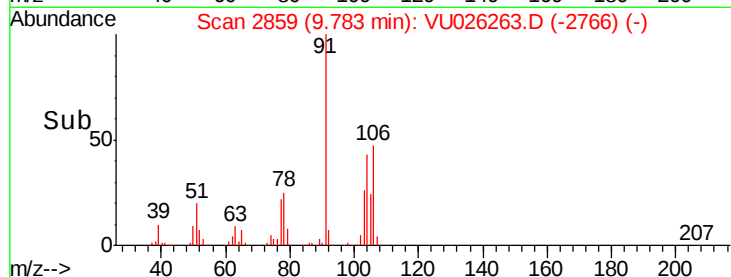
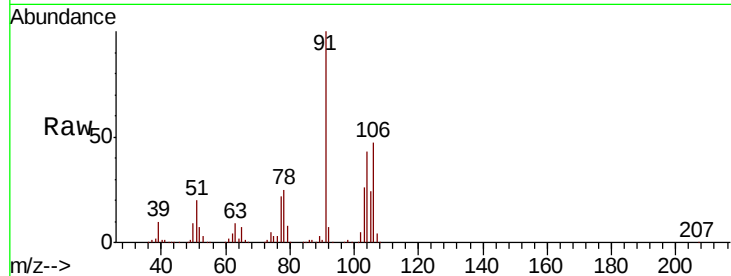
VSTD05047

Tgt Ion:106 Resp: 188817

Ion Ratio Lower Upper

106 100

91 214.3 151.2 280.8



#55

Styrene

Concen: 55.373 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU026263.D

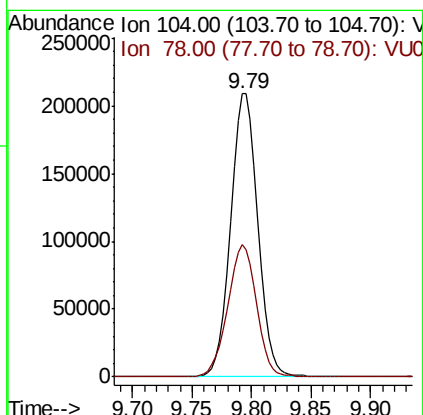
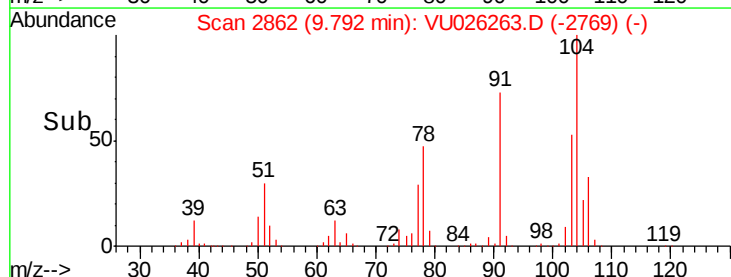
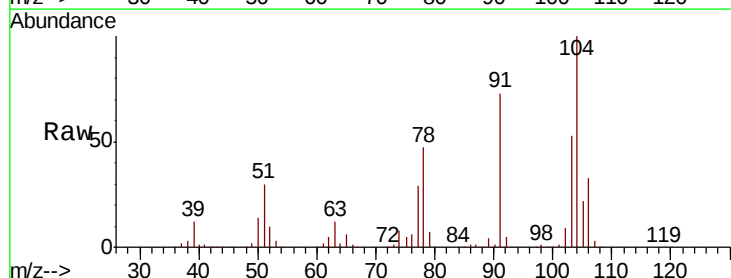
Acq: 22 Aug 2018 21:27

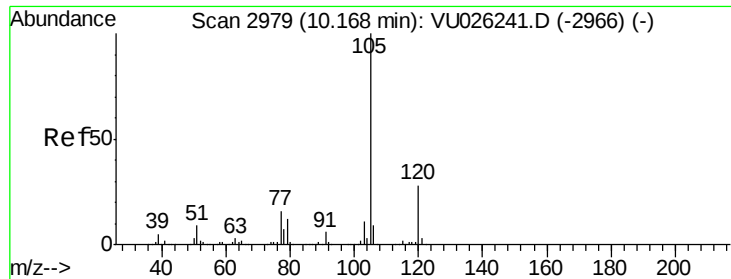
Tgt Ion:104 Resp: 331598

Ion Ratio Lower Upper

104 100

78 46.8 32.3 60.1





#56

Isopropylbenzene

Concen: 54.148 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

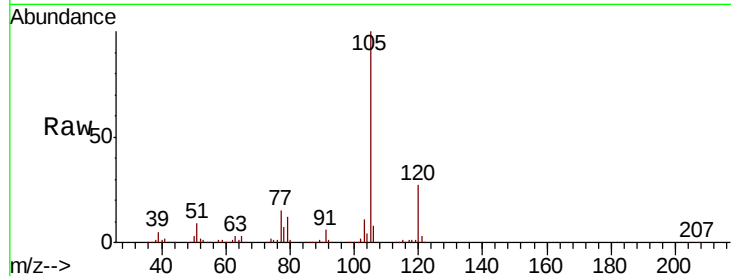
Tgt Ion: 105 Resp: 492811

Ion Ratio Lower Upper

105 100

120 26.6 21.9 32.9

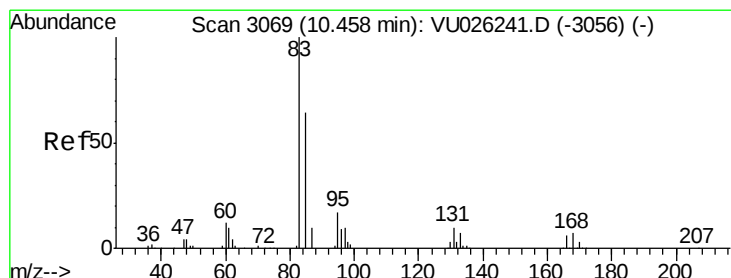
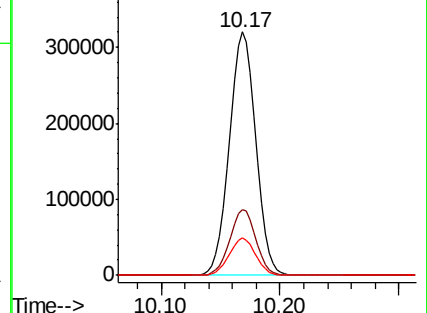
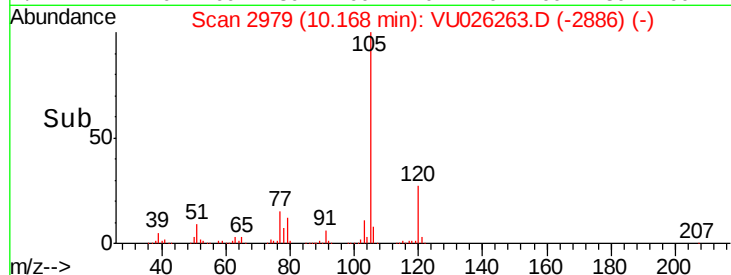
77 15.3 12.4 18.6



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: 52.010 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

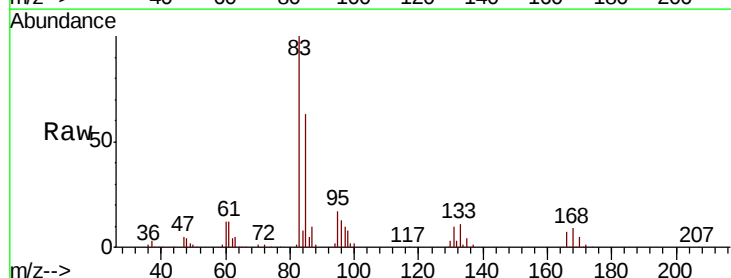
Tgt Ion: 83 Resp: 182468

Ion Ratio Lower Upper

83 100

85 63.2 44.9 83.3

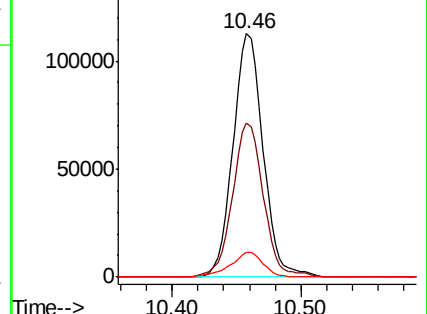
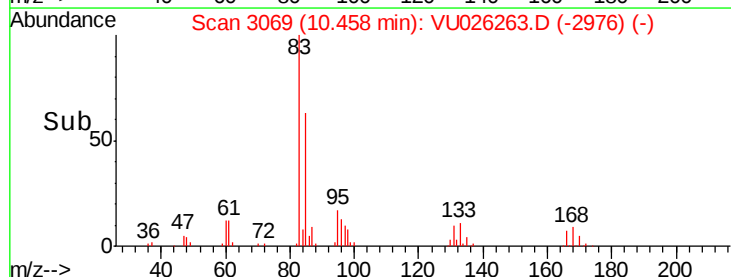
131 10.2 8.2 12.2

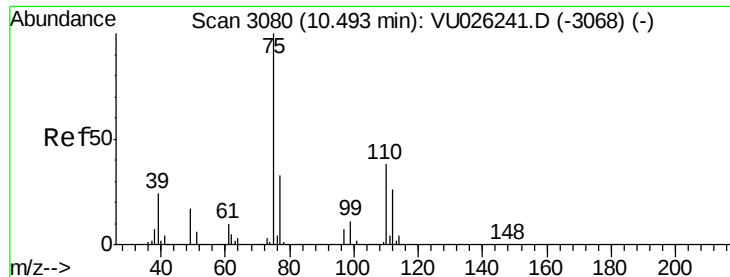


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

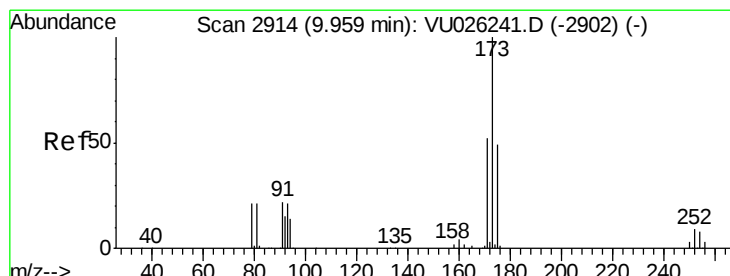
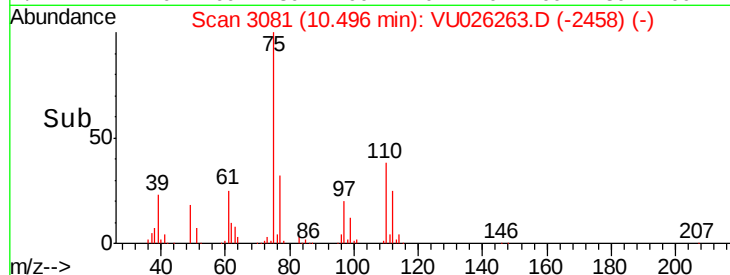
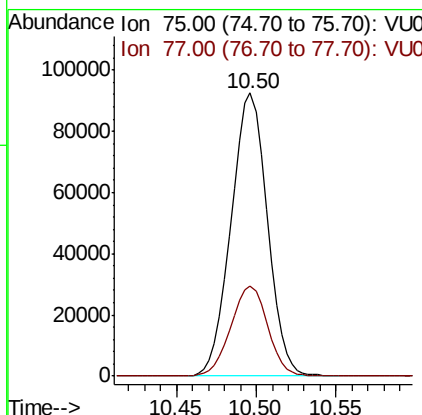
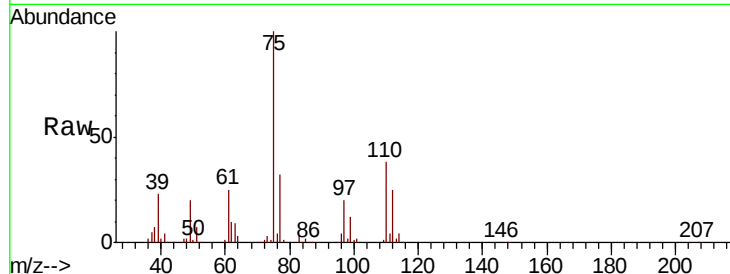




#59
 1,2,3-Trichloropropane
 Concen: 52.176 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

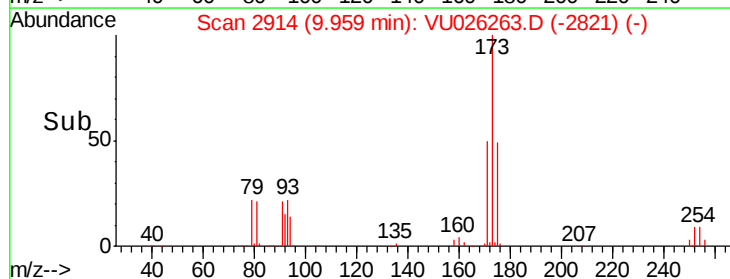
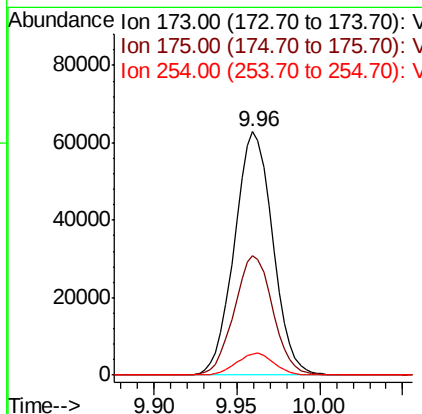
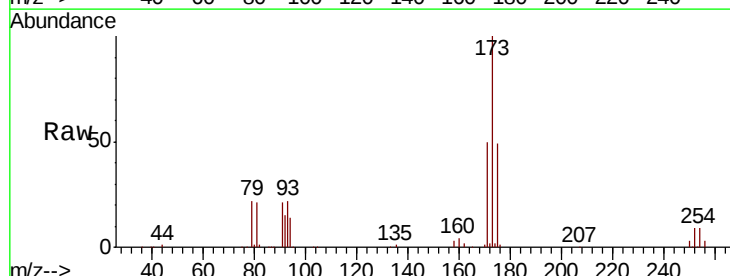
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

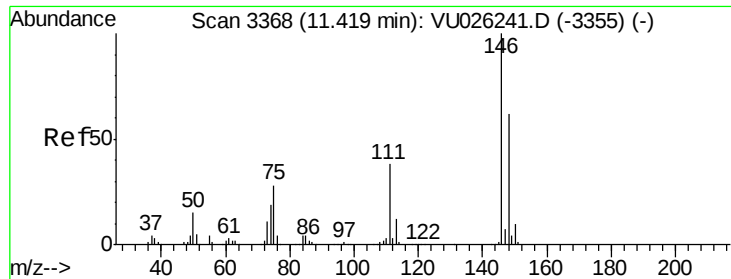
Tgt Ion: 75 Resp: 142735
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 50.568 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Tgt Ion: 173 Resp: 101400
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.4 59.2
 254 8.8 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 49.443 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

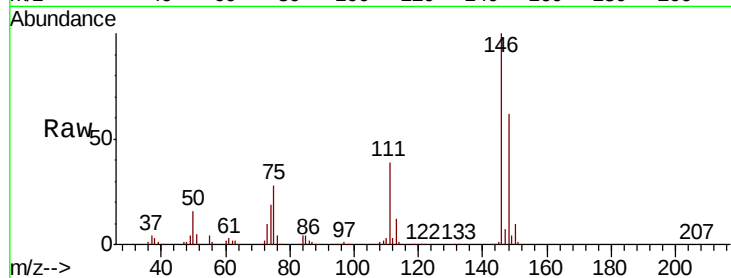
Tgt Ion:146 Resp: 235925

Ion Ratio Lower Upper

146 100

111 38.6 26.9 50.1

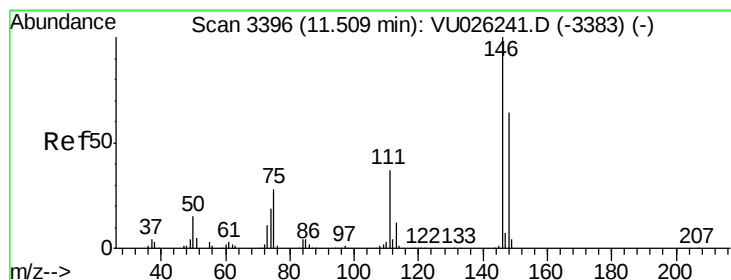
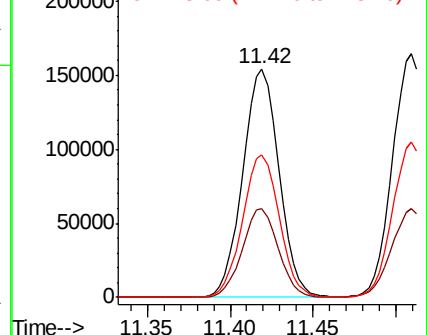
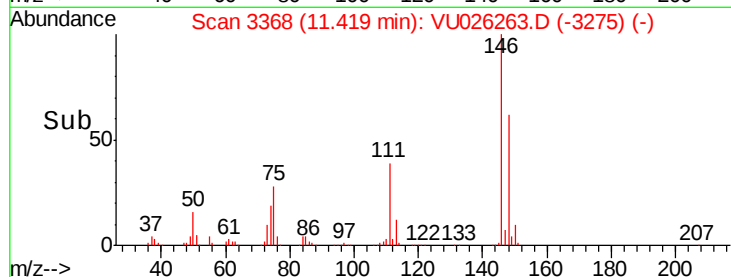
148 62.3 43.7 81.1



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: 49.630 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

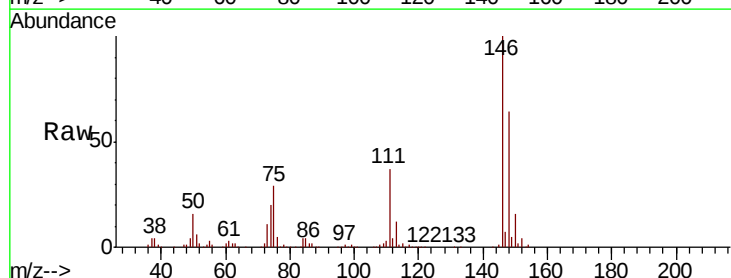
Tgt Ion:146 Resp: 250223

Ion Ratio Lower Upper

146 100

111 36.6 25.9 48.1

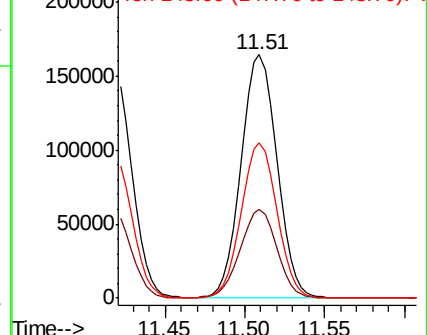
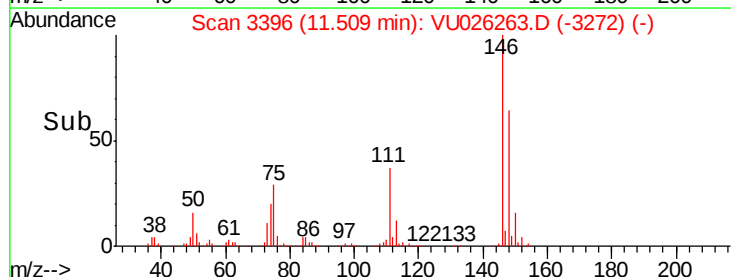
148 63.8 44.5 82.7

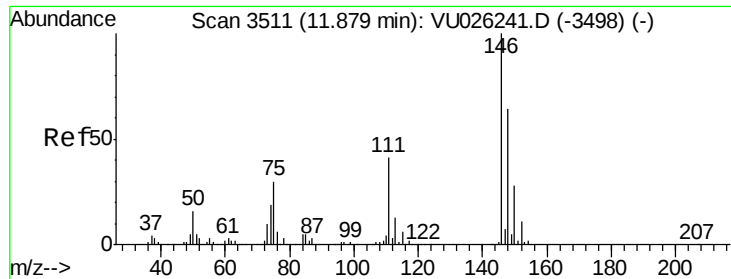


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

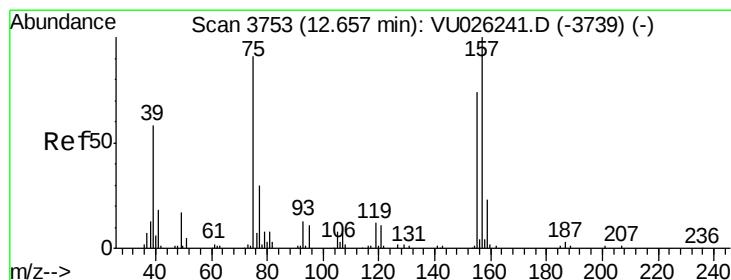
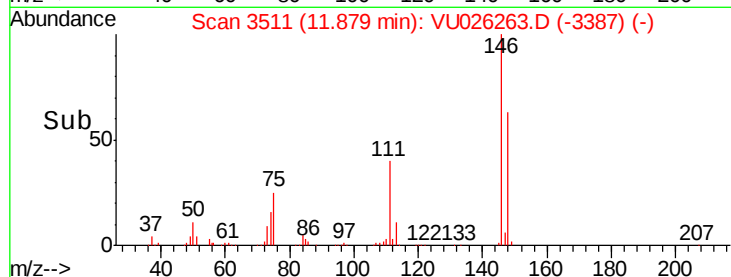
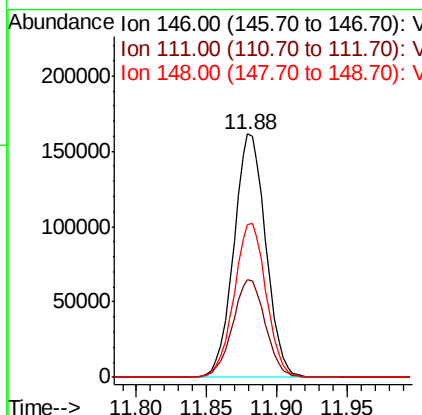
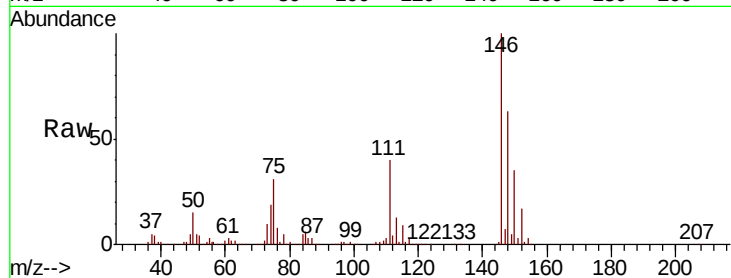




#65
 1,2-Dichlorobenzene
 Concen: 50.905 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

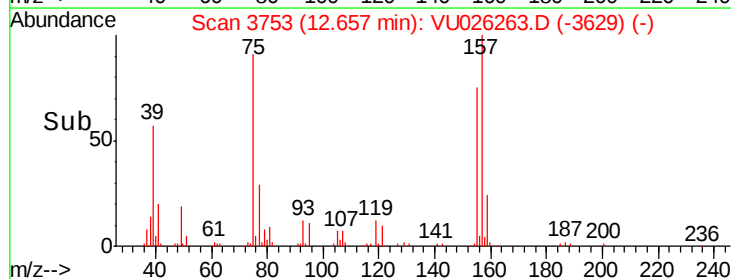
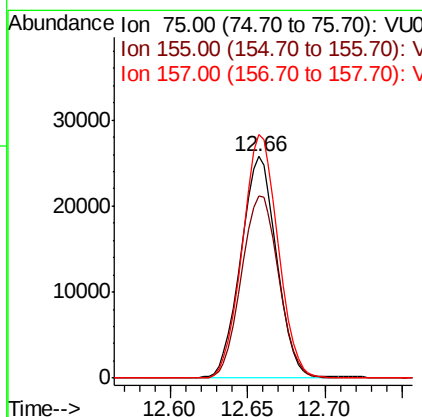
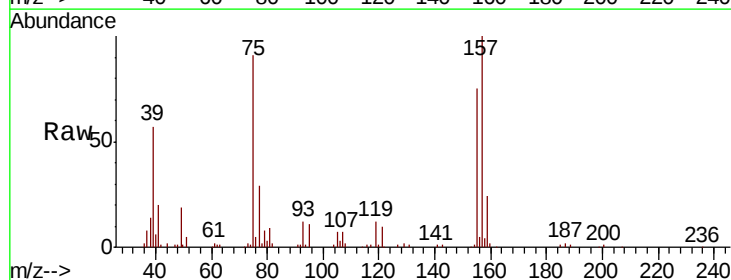
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

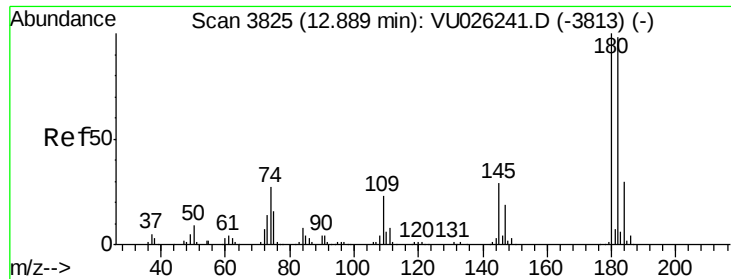
Tgt Ion: 146 Resp: 255480
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.6 48.8
 148 62.8 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.770 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Tgt Ion: 75 Resp: 41728
 Ion Ratio Lower Upper
 75 100
 155 82.0 65.0 97.6
 157 109.9 87.5 131.3

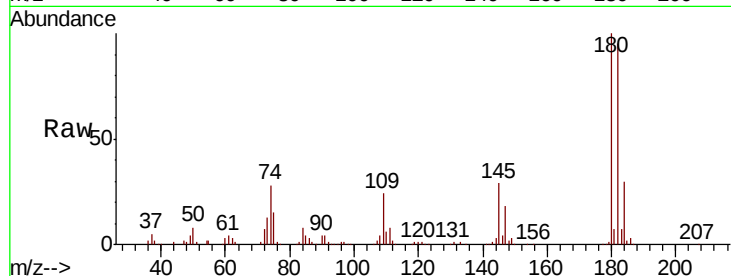




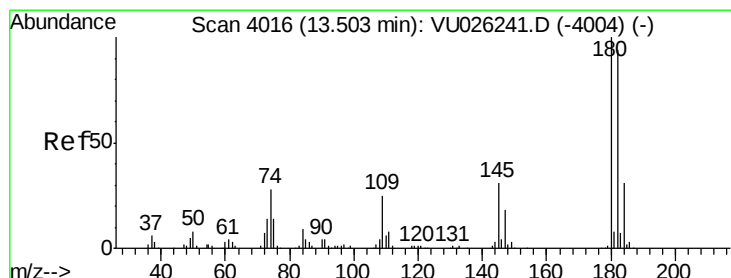
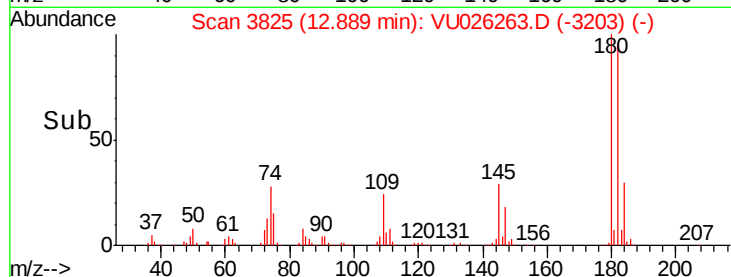
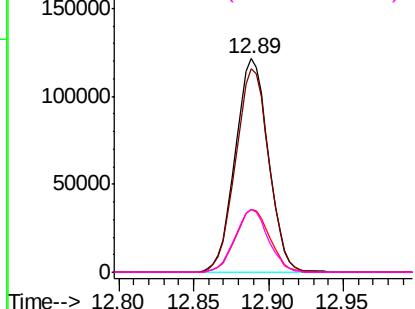
#67
 1,3,5-Trichlorobenzene
 Concen: 50.213 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion:	180	Resp:	188075
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.9	116.9
184	30.2	24.2	36.4
145	29.5	23.4	35.2

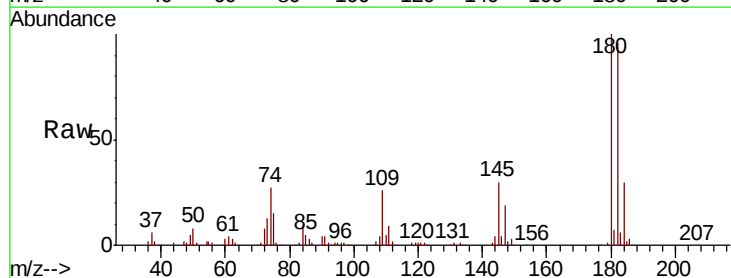


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

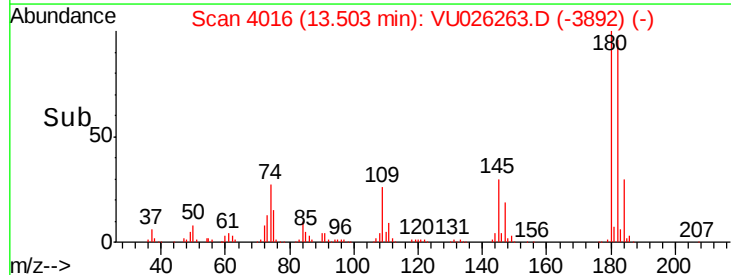
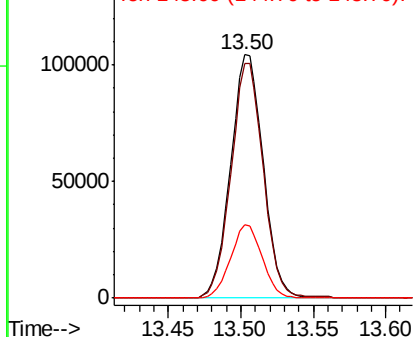


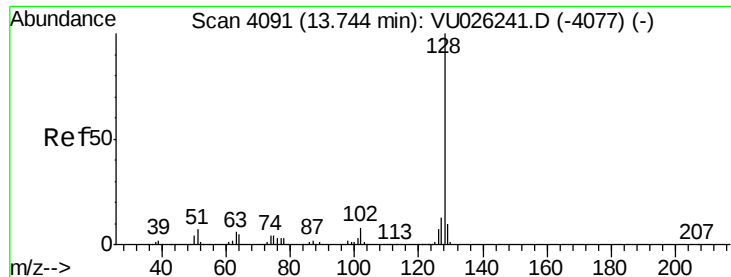
#68
 1,2,4-trichlorobenzene
 Concen: 49.761 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026263.D
 Acq: 22 Aug 2018 21:27

Tgt Ion:	180	Resp:	162703
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.6
145	29.2	23.8	35.8



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: 52.368 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

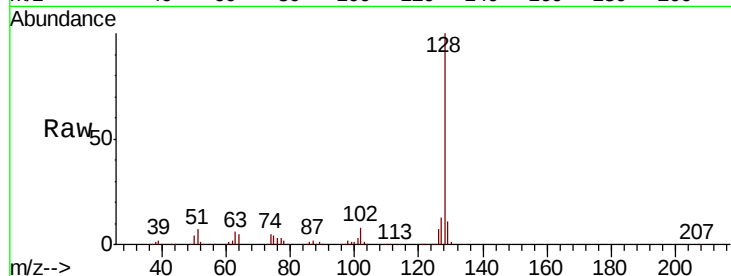
Tgt Ion:128 Resp: 510103

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

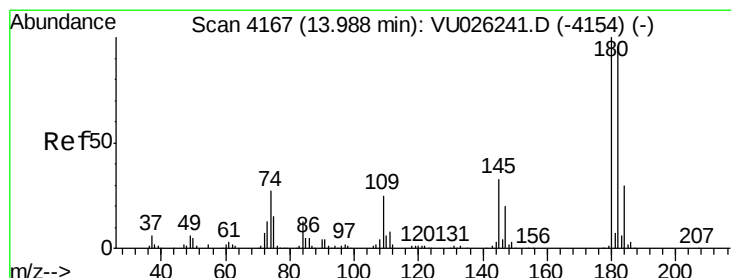
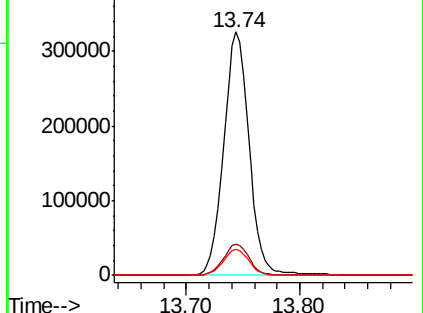
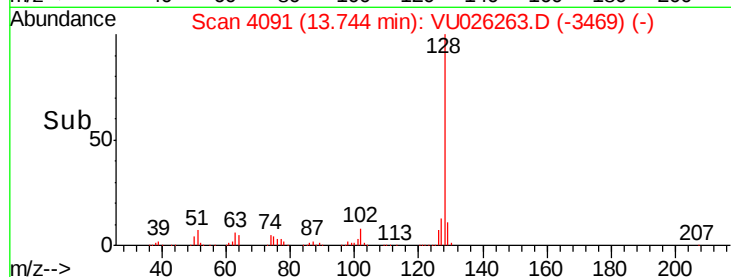
129 10.9 8.4 12.6



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: 52.006 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026263.D

Acq: 22 Aug 2018 21:27

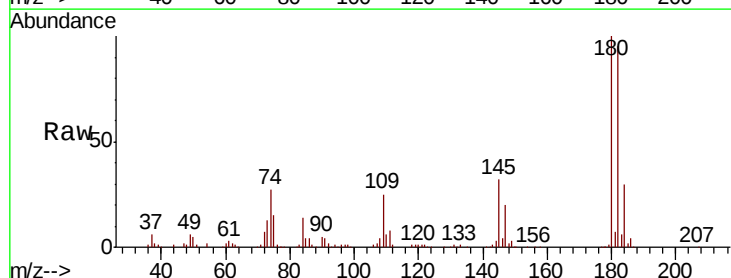
Tgt Ion:180 Resp: 181168

Ion Ratio Lower Upper

180 100

182 94.2 77.6 116.4

145 31.3 26.2 39.2



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

