

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081418\
 Data File : VU026128.D
 Acq On : 15 Aug 2018 02:48
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Aug 16 01:52:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 01:50:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	257656	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	247810	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	125695	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69691	37.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.00%
7) Chloroethane-d5	1.67	69	63421	42.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.94%
11) 1,1-Dichloroethene-d2	2.27	63	152874	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.44%
21) 2-Butanone-d5	4.18	46	144747	92.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.21%
24) Chloroform-d	4.65	84	192346	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.32%
26) 1,2-Dichloroethane-d4	5.31	65	124484	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
32) Benzene-d6	5.34	84	349804	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
36) 1,2-Dichloropropane-d6	6.33	67	117992	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.78%
41) Toluene-d8	7.57	98	326877	44.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.85	79	54810	43.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.38%
47) 2-Hexanone-d5	8.31	63	105607	93.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.38%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	179313	49.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	143492	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	121464	54.111 ug/L	99
3) Chloromethane	1.33	50	108565	53.901 ug/L	99
5) Vinyl chloride	1.40	62	110341	56.774 ug/L	100
6) Bromomethane	1.62	94	47625	45.826 ug/L	99
8) Chloroethane	1.69	64	64908	55.578 ug/L	94
9) Trichlorofluoromethane	1.88	101	158863	57.131 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	89132	55.103 ug/L	98
12) 1,1-Dichloroethene	2.28	96	80460	54.089 ug/L	82
13) Acetone	2.32	43	95192	97.622 ug/L	99
14) Carbon disulfide	2.48	76	277818	56.767 ug/L	99
15) Methyl Acetate	2.62	43	109154	53.441 ug/L	98
16) Methylene chloride	2.70	84	106712	56.191 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	93683	56.521 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	306568	56.282 ug/L	99
19) 1,1-Dichloroethane	3.45	63	185136	57.590 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	110077	57.719 ug/L	96
22) 2-Butanone	4.26	43	150061	106.357 ug/L	99

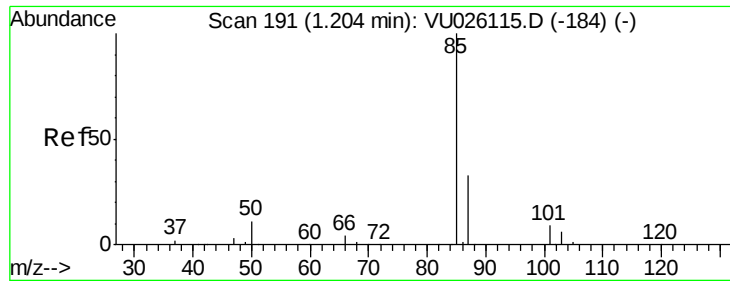
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081418\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 01:50:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58941	58.027	ug/L	96
25) Chloroform	4.68	83	194363	58.061	ug/L	100
27) 1,2-Dichloroethane	5.41	62	154410	55.847	ug/L	99
29) Cyclohexane	5.00	56	152428	55.035	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	173767	55.575	ug/L	100
31) Carbon tetrachloride	5.14	117	161554	56.584	ug/L	99
33) Benzene	5.39	78	406291	57.564	ug/L	100
34) Trichloroethene	6.19	95	99877	54.166	ug/L	98
35) Methylcyclohexane	6.42	83	158835	56.415	ug/L	99
37) 1,2-Dichloropropane	6.44	63	112828	58.422	ug/L	100
38) Bromodichloromethane	6.76	83	149287	58.022	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	163107	55.726	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	286891	108.116	ug/L	99
42) Toluene	7.64	91	436727	58.294	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	155871	55.948	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	105176	57.123	ug/L	98
46) Tetrachloroethene	8.23	164	87701	55.889	ug/L	98
48) 2-Hexanone	8.36	43	221495	107.143	ug/L	99
49) Dibromochloromethane	8.48	129	126802	57.111	ug/L	97
50) 1,2-Dibromoethane	8.59	107	113213	56.457	ug/L #	99
51) Chlorobenzene	9.12	112	287065	56.829	ug/L	100
52) Ethylbenzene	9.25	91	470834	57.435	ug/L	99
53) m,p-Xylene	9.38	106	185984	59.373	ug/L	97
54) o-xylene	9.78	106	182416	58.675	ug/L	96
55) Styrene	9.80	104	312414	60.358	ug/L	98
56) Isopropylbenzene	10.17	105	474557	59.252	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	178084	56.909	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	140115	56.254	ug/L	100
61) Bromoform	9.96	173	95556	56.148	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	220994	56.475	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	223661	54.523	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	240187	57.665	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	38751	53.006	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	162796	55.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	127119	51.399	ug/L	98
69) Naphthalene	13.74	128	394786	49.480	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	144205	54.250	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 54.111 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

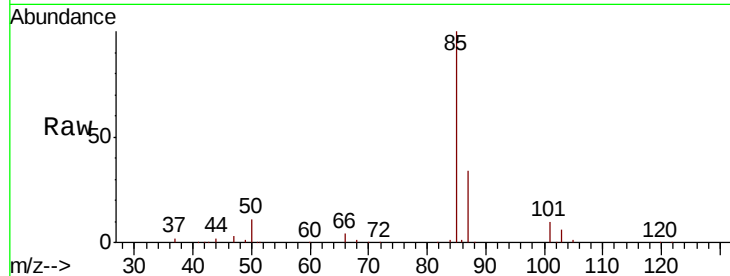
VSTD05058

Tgt Ion: 85 Resp: 121464

Ion Ratio Lower Upper

85 100

87 33.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU026115.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU026115.D (-184) (-)

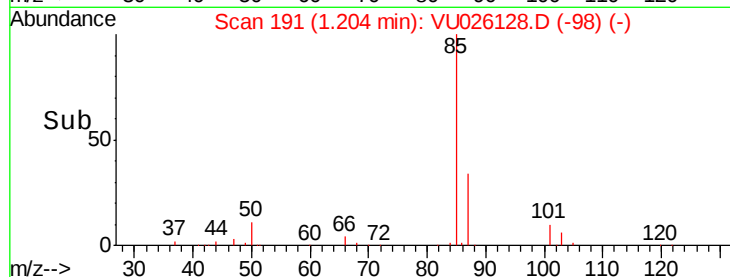
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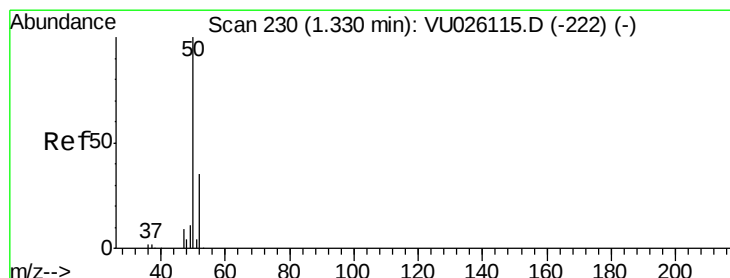
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 53.901 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026128.D

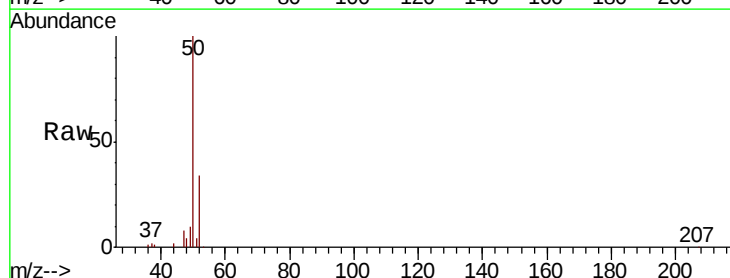
Acq: 15 Aug 2018 02:48

Tgt Ion: 50 Resp: 108565

Ion Ratio Lower Upper

50 100

52 33.7 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU026115.D (-222) (-)

Ion 52.00 (51.70 to 52.70): VU026115.D (-222) (-)

1.33

120000

100000

80000

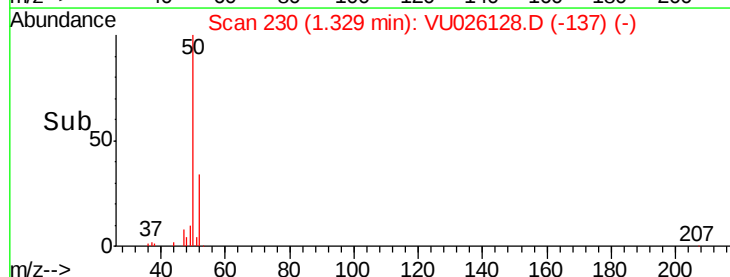
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40000

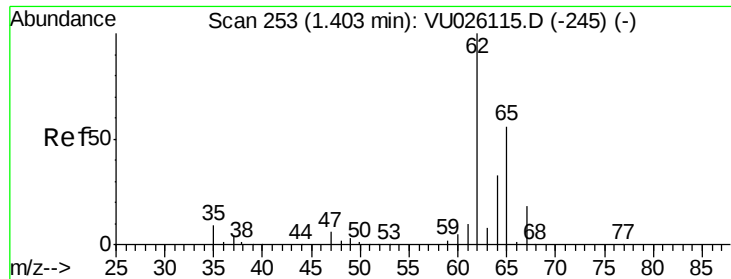
20000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 56.774 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

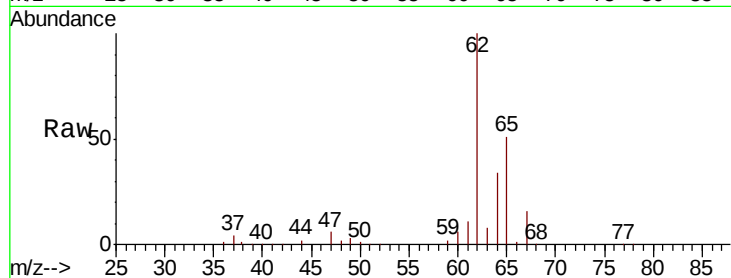
VSTD05058

Tgt Ion: 62 Resp: 110341

Ion Ratio Lower Upper

62 100

64 33.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

60000

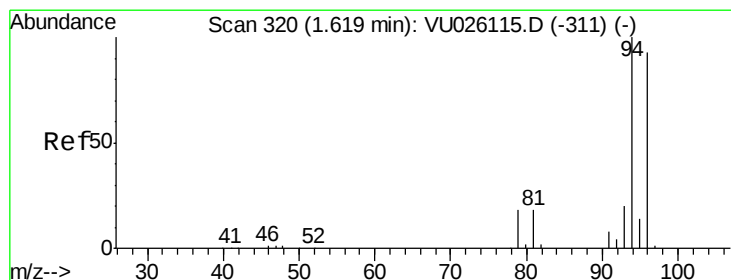
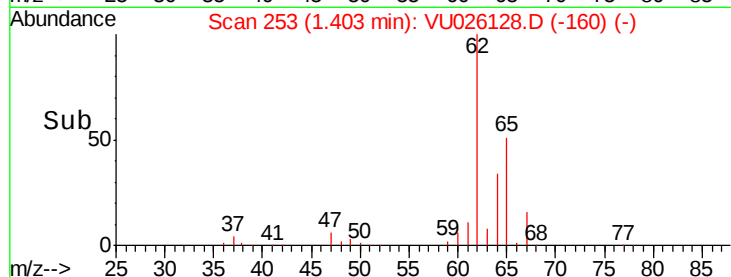
40000

20000

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Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 45.826 ug/L

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU026128.D

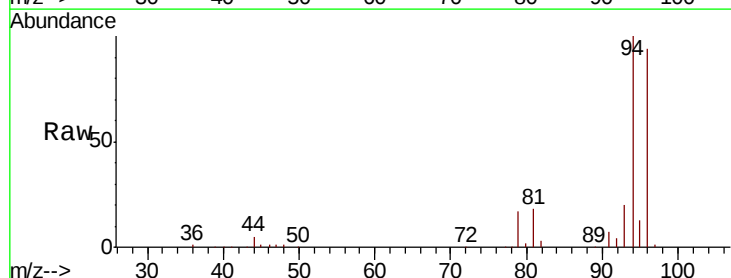
Acq: 15 Aug 2018 02:48

Tgt Ion: 94 Resp: 47625

Ion Ratio Lower Upper

94 100

96 94.2 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

40000

30000

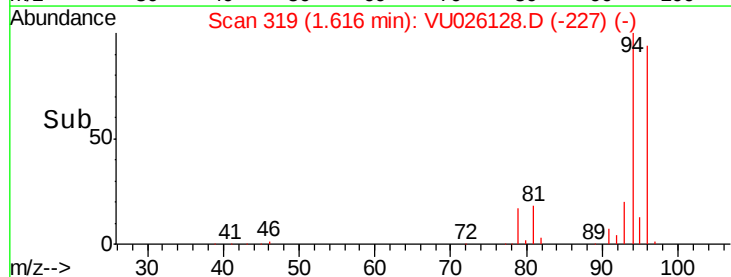
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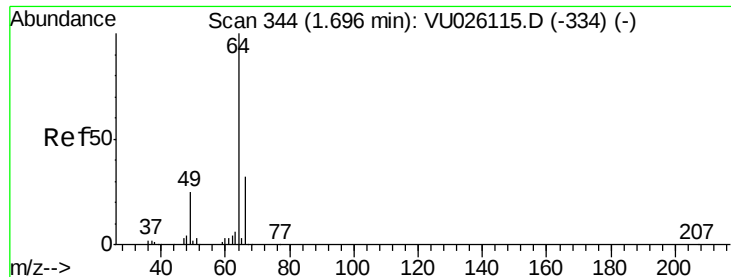
10000

0

Time-->

1.60 1.62 1.65





#8

Chloroethane

Concen: 55.578 ug/L

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

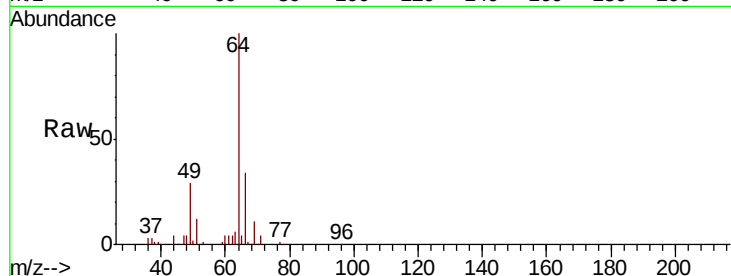
VSTD05058

Tgt Ion: 64 Resp: 64908

Ion Ratio Lower Upper

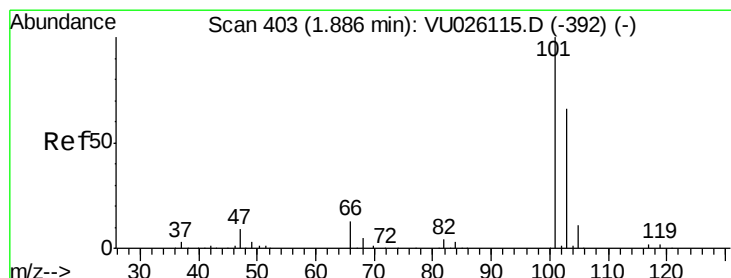
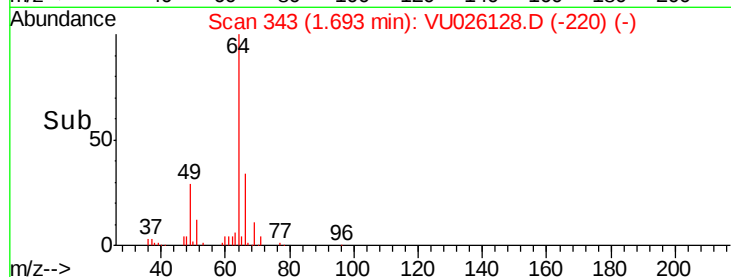
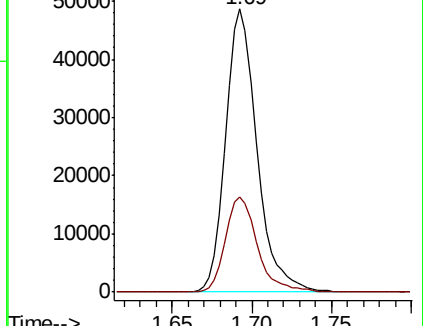
64 100

66 33.8 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VU026115.D (-334) (-)

Ion 66.00 (65.70 to 66.70): VU026115.D (-334) (-)



#9

Trichlorofluoromethane

Concen: 57.131 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU026128.D

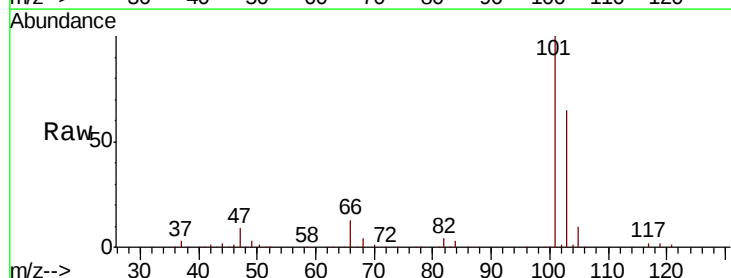
Acq: 15 Aug 2018 02:48

Tgt Ion: 101 Resp: 158863

Ion Ratio Lower Upper

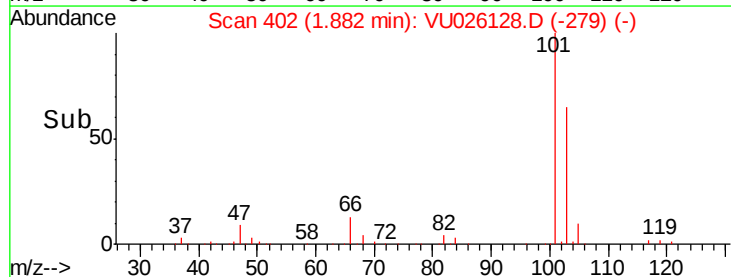
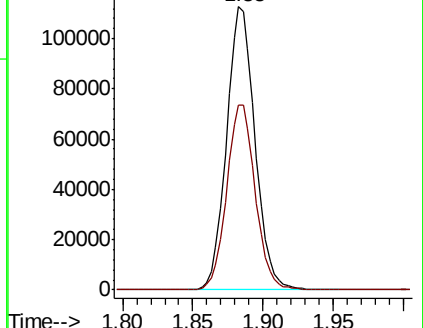
101 100

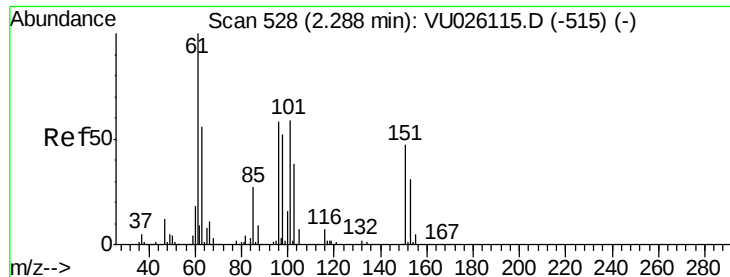
103 65.5 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026115.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026115.D (-392) (-)





#10

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

Concen: 55.103 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

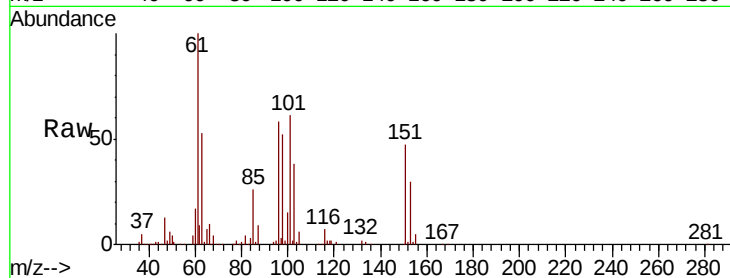
Tgt Ion:101 Resp: 89132

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

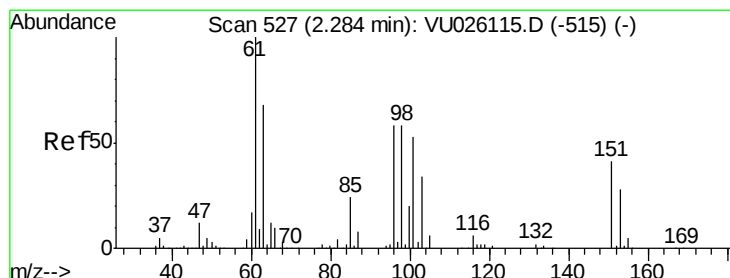
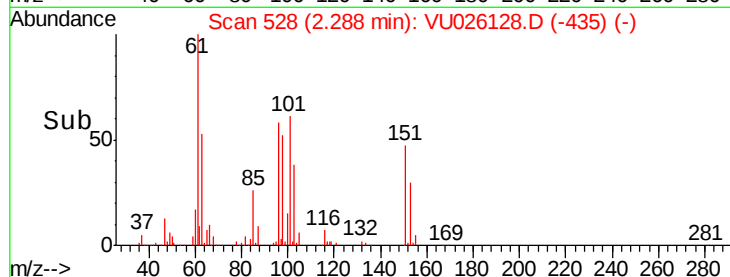
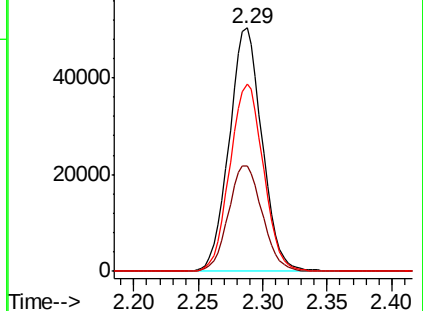
151 78.6 64.2 96.2



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: 54.089 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

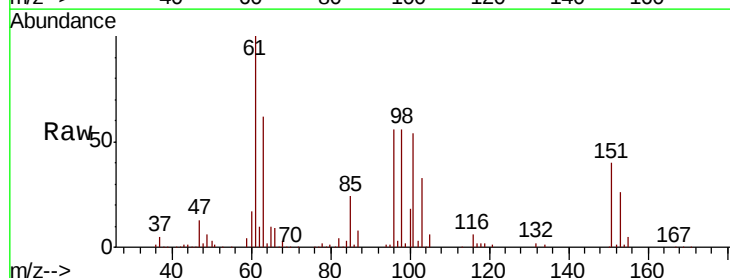
Tgt Ion: 96 Resp: 80460

Ion Ratio Lower Upper

96 100

61 177.6 121.2 225.2

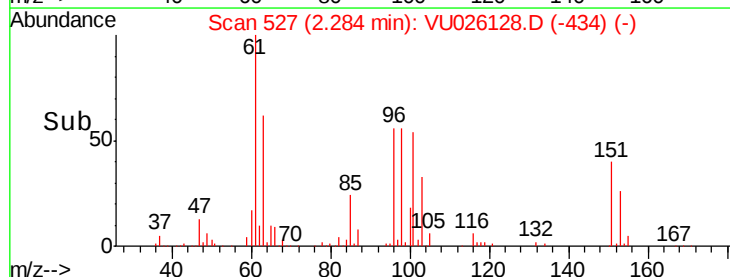
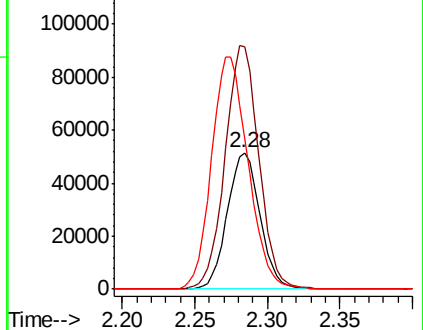
63 109.6 108.7 201.9

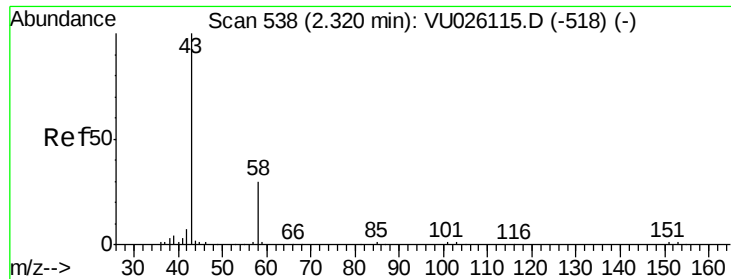


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.622 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

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MSVOA_U

ClientSampleId :

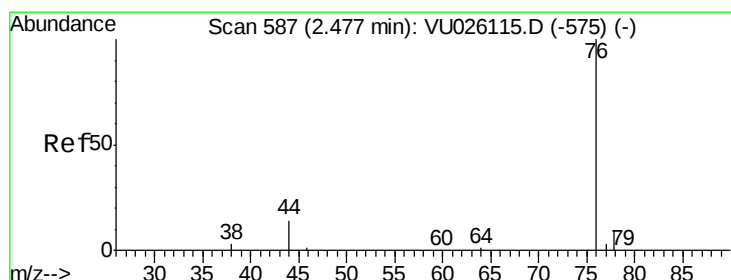
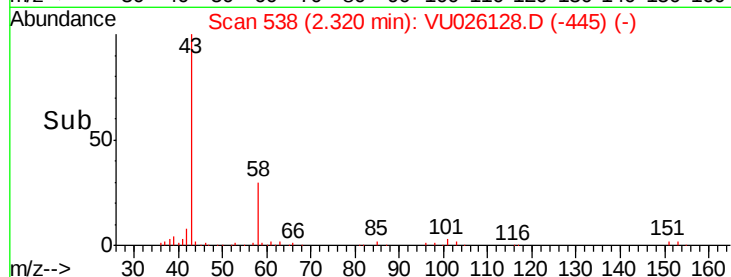
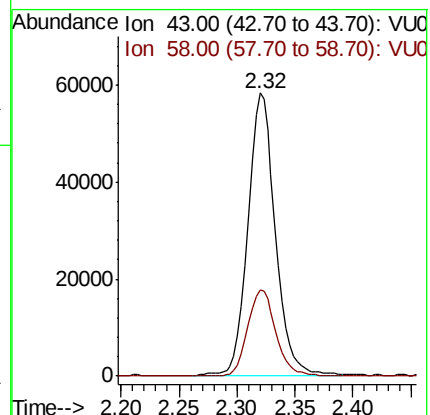
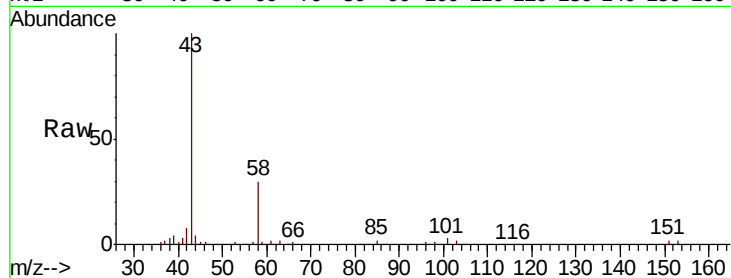
VSTD05058

Tgt Ion: 43 Resp: 95192

Ion Ratio Lower Upper

43 100

58 31.5 0.0 61.8



#14

Carbon disulfide

Concen: 56.767 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026128.D

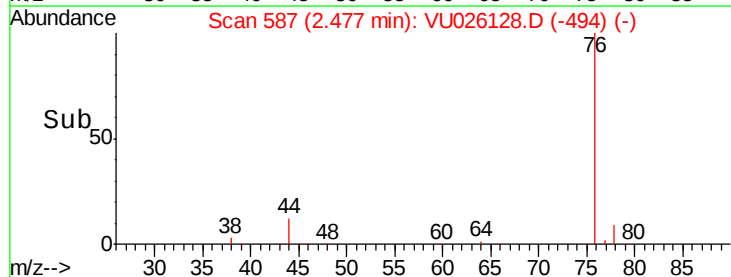
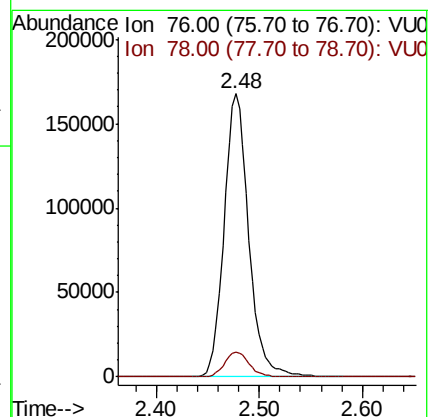
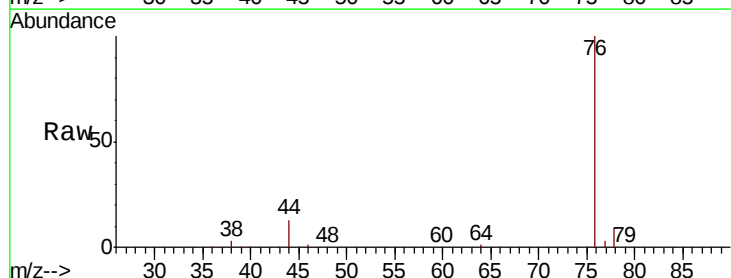
Acq: 15 Aug 2018 02:48

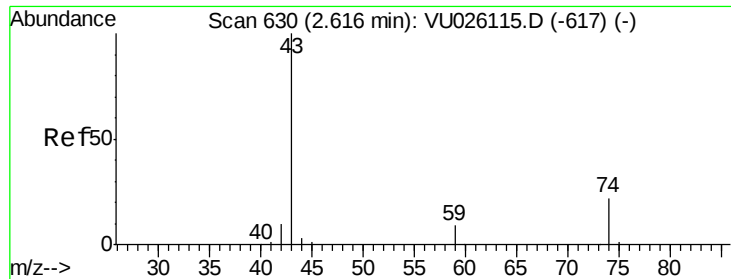
Tgt Ion: 76 Resp: 277818

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

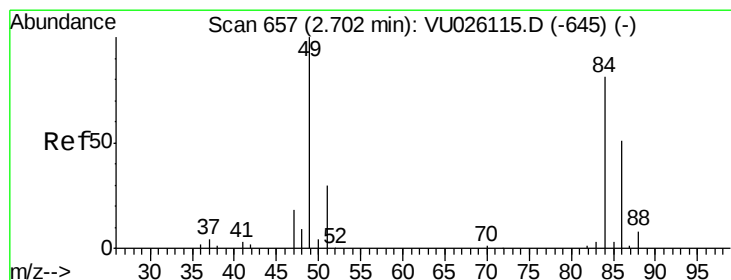
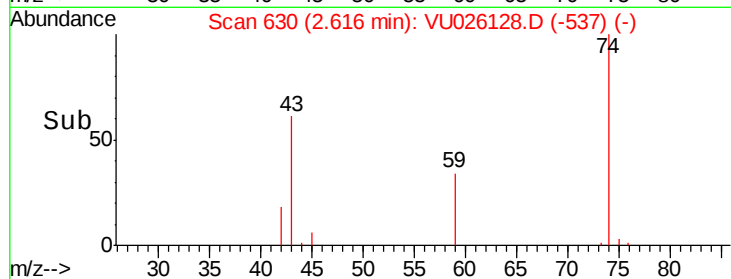
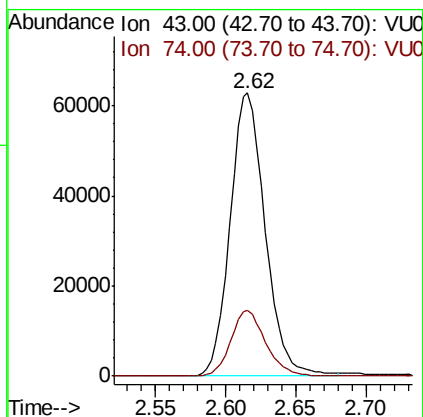
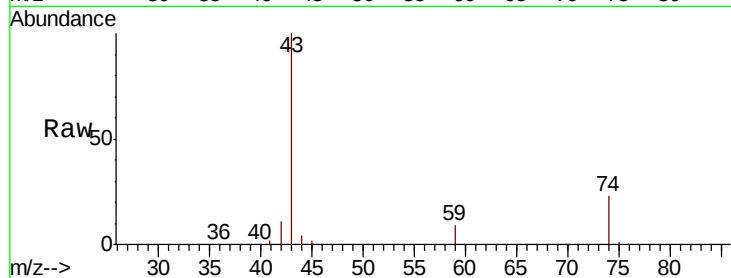




#15
Methyl Acetate
Concen: 53.441 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

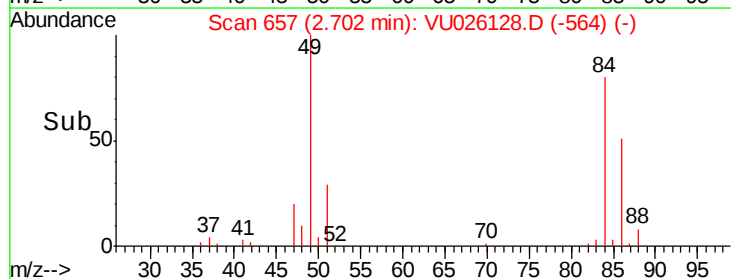
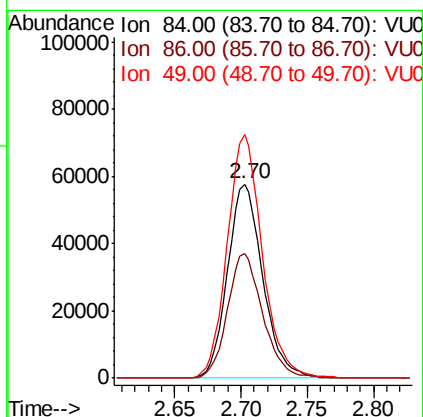
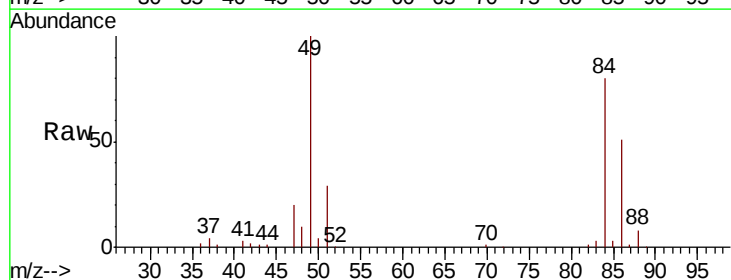
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

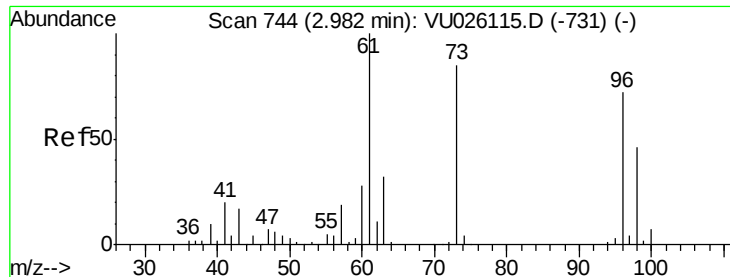
Tgt Ion: 43 Resp: 109154
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



#16
Methylene chloride
Concen: 56.191 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

Tgt Ion: 84 Resp: 106712
Ion Ratio Lower Upper
84 100
86 64.4 45.8 85.0
49 125.3 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 56.521 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

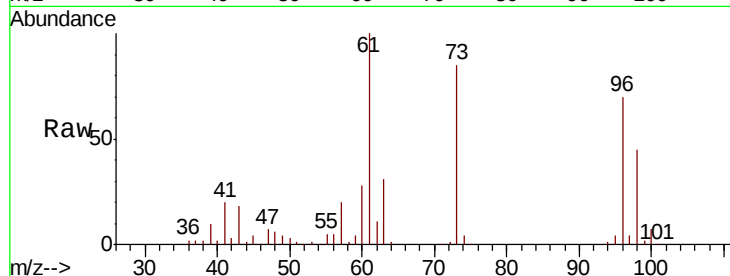
Tgt Ion: 96 Resp: 93683

Ion Ratio Lower Upper

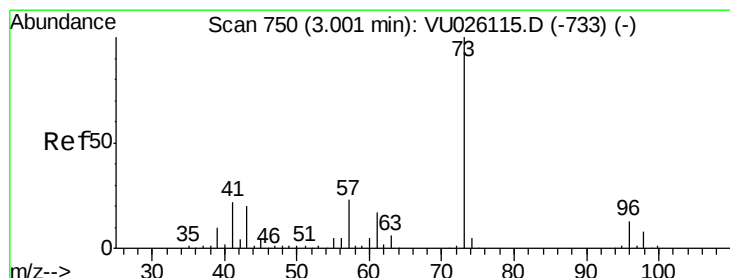
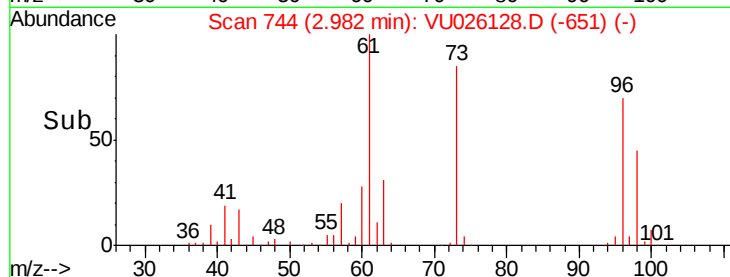
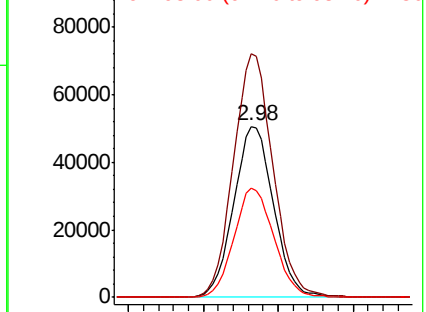
96 100

61 142.4 102.8 190.8

98 63.9 44.7 83.1



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



#18

Methyl tert-butyl Ether

Concen: 56.282 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

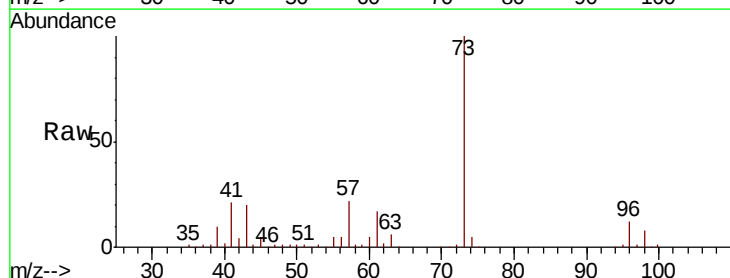
Tgt Ion: 73 Resp: 306568

Ion Ratio Lower Upper

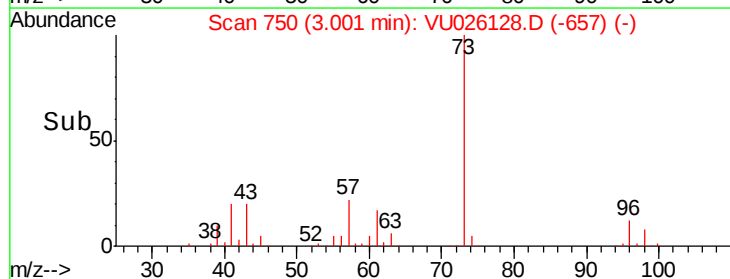
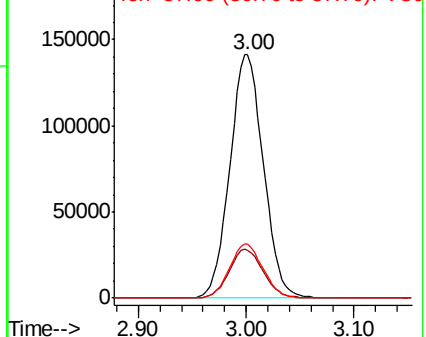
73 100

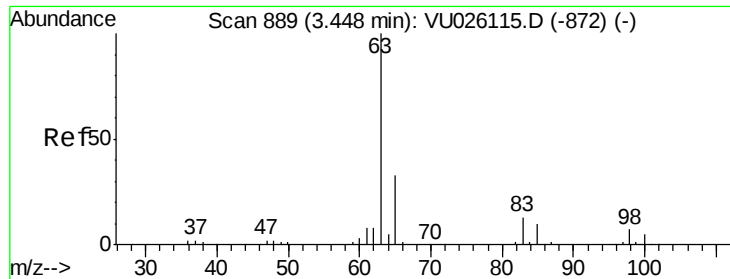
43 20.4 16.3 24.5

57 22.1 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

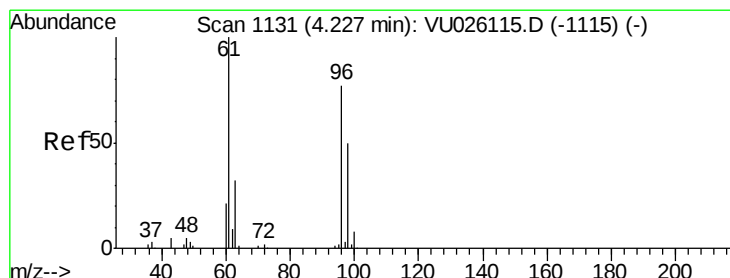
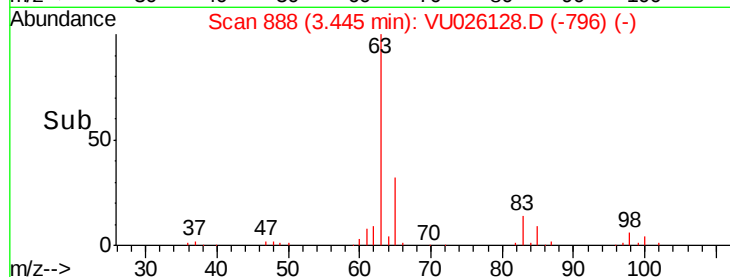
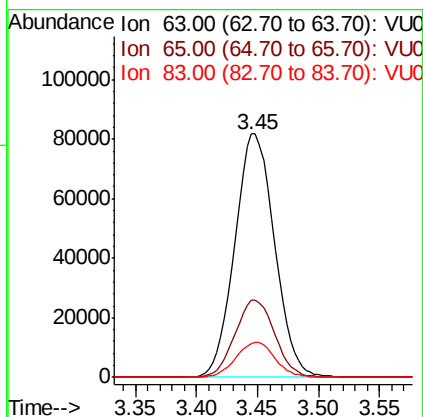
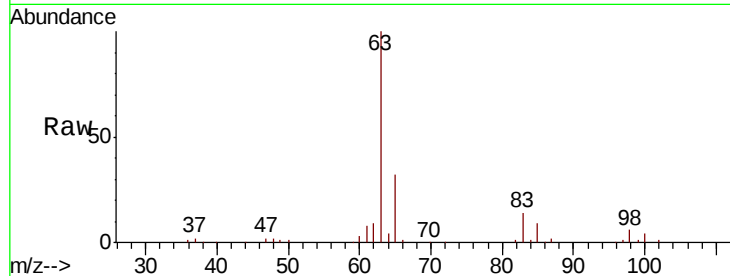




#19
 1,1-Dichloroethane
 Concen: 57.590 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

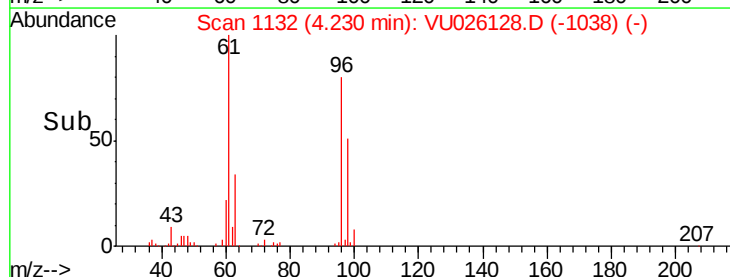
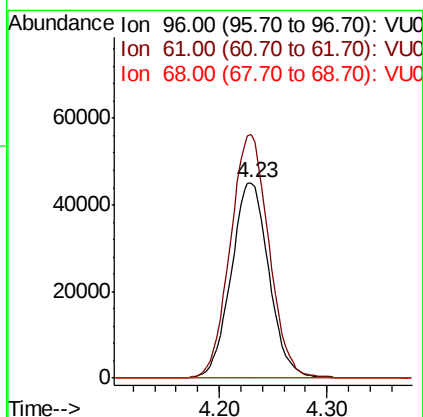
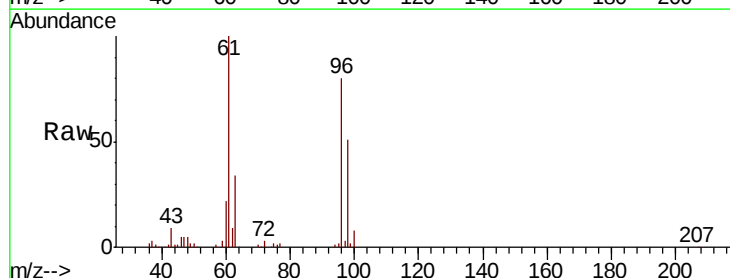
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

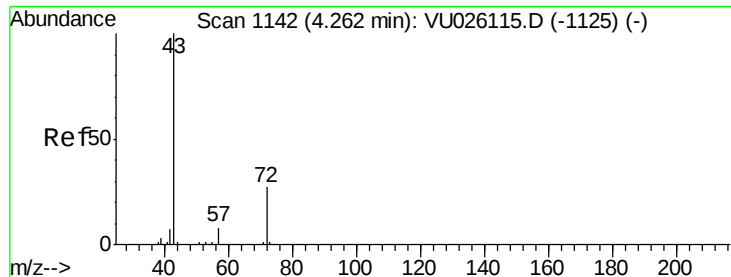
Tgt Ion: 63 Resp: 185136
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.4 41.6
 83 14.0 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 57.719 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Tgt Ion: 96 Resp: 110077
 Ion Ratio Lower Upper
 96 100
 61 124.6 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.357 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

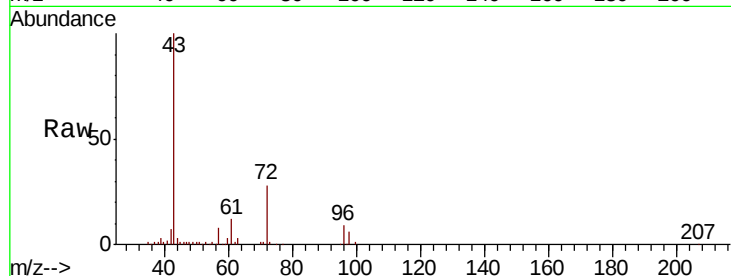
VSTD05058

Tgt Ion: 43 Resp: 150061

Ion Ratio Lower Upper

43 100

72 27.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU026115.D (-1125) (-)

Ion 72.00 (71.70 to 72.70): VU026115.D (-1125) (-)

4.26

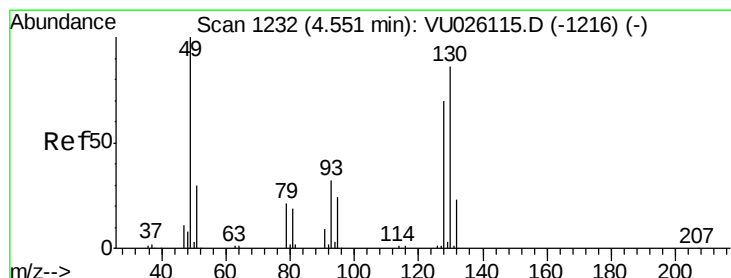
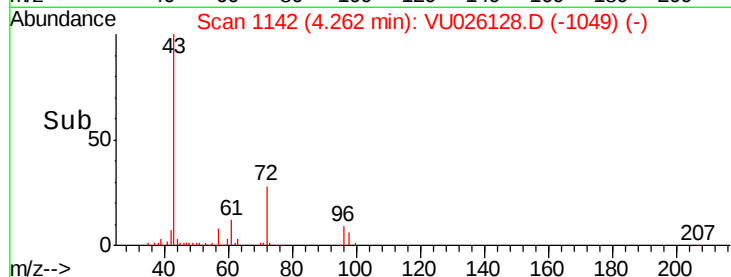
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 58.027 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Tgt Ion: 128 Resp: 58941

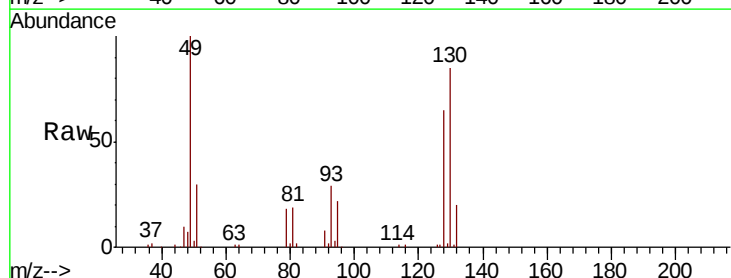
Ion Ratio Lower Upper

128 100

49 154.3 103.0 191.2

130 130.8 89.5 166.1

51 46.4 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU026115.D (-1216) (-)

Ion 49.00 (48.70 to 49.70): VU026115.D (-1216) (-)

Ion 130.00 (129.70 to 130.70): VU026115.D (-1216) (-)

Ion 51.00 (50.70 to 51.70): VU026115.D (-1216) (-)

4.55

60000

50000

40000

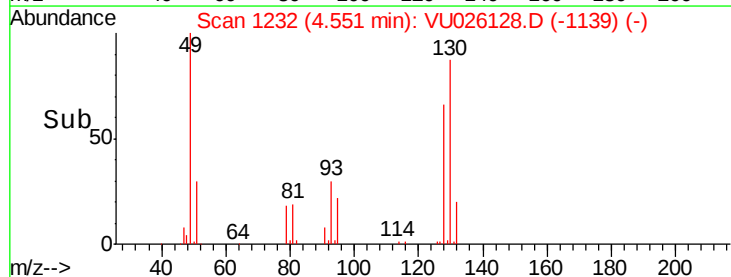
30000

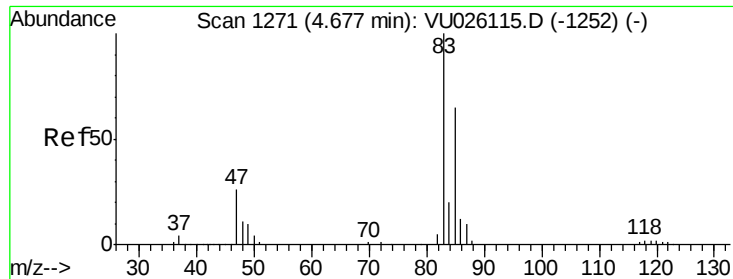
20000

10000

0

Time-->

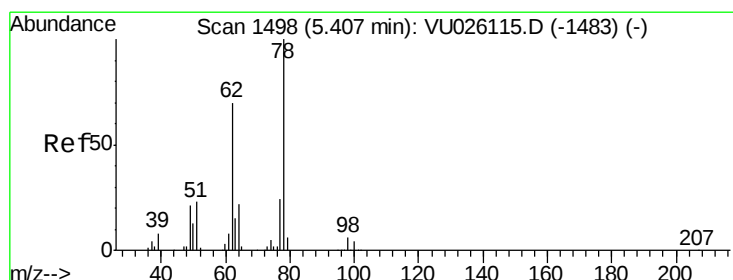
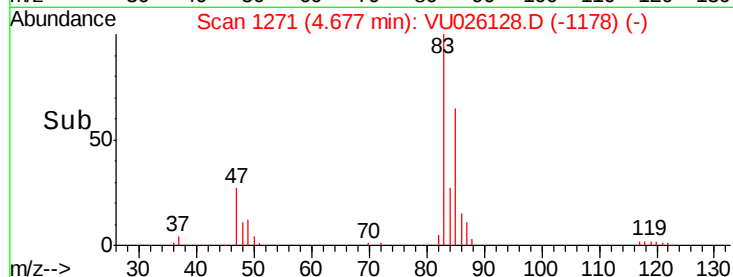
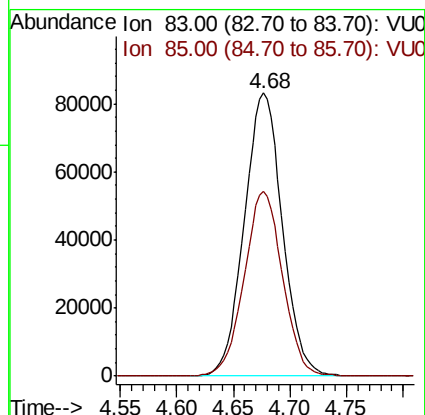
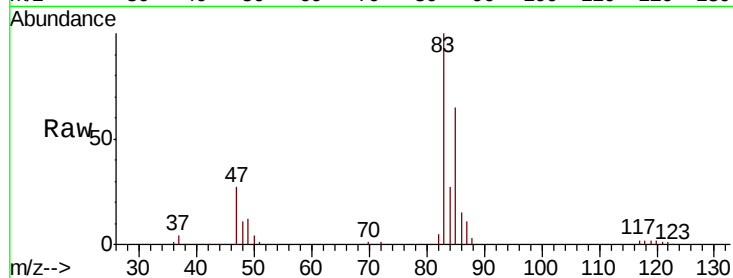




#25
Chloroform
Concen: 58.061 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

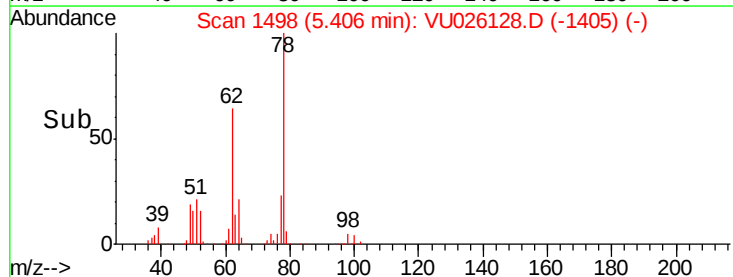
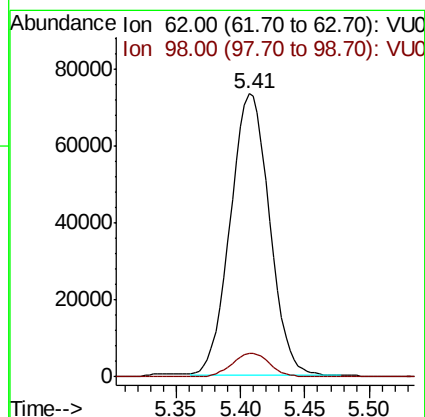
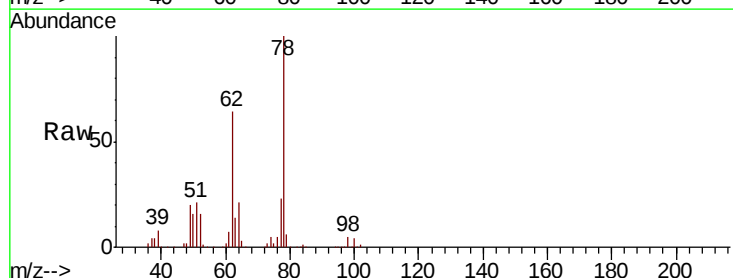
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

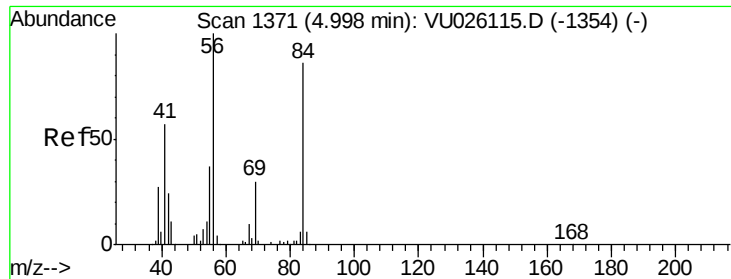
Tgt Ion: 83 Resp: 194363
Ion Ratio Lower Upper
83 100
85 65.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 55.847 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

Tgt Ion: 62 Resp: 154410
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.4

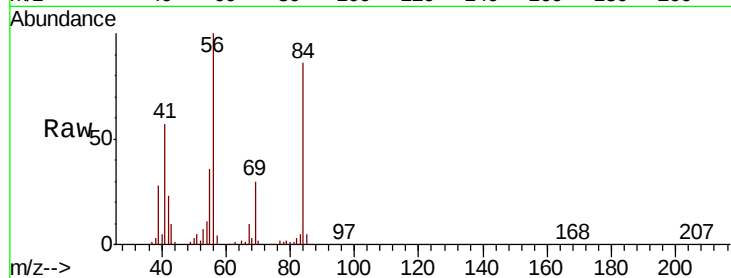




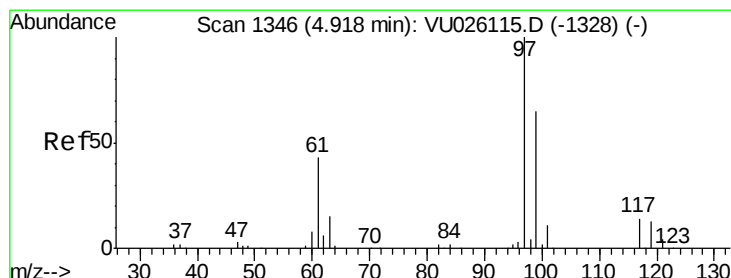
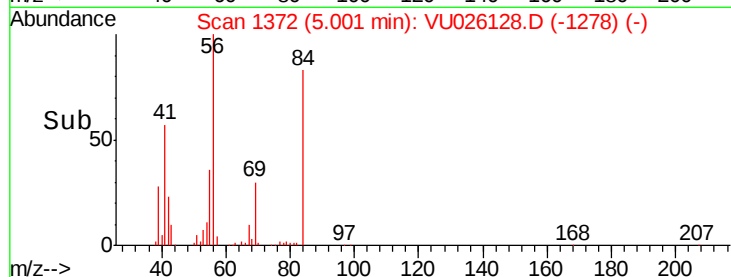
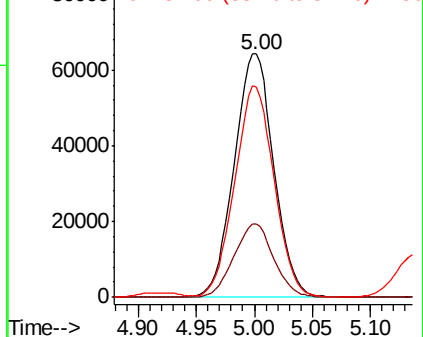
#29
Cyclohexane
Concen: 55.035 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion: 56 Resp: 152428
Ion Ratio Lower Upper
56 100
69 30.2 24.6 37.0
84 85.7 68.6 103.0

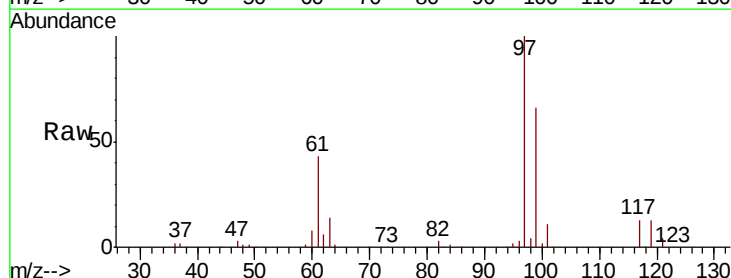


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

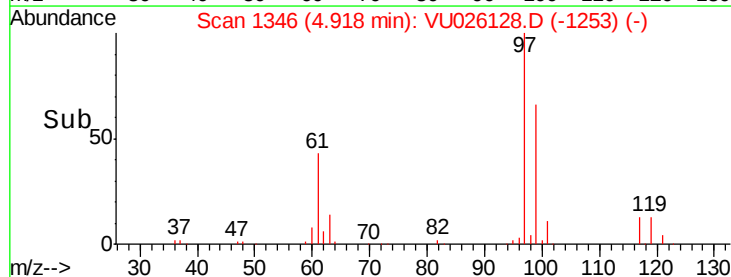
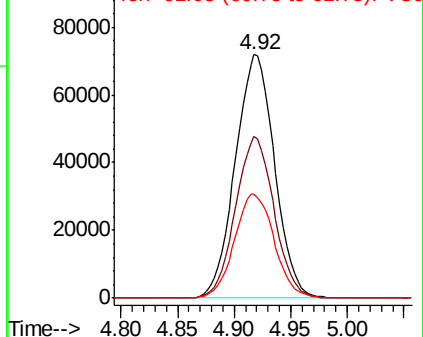


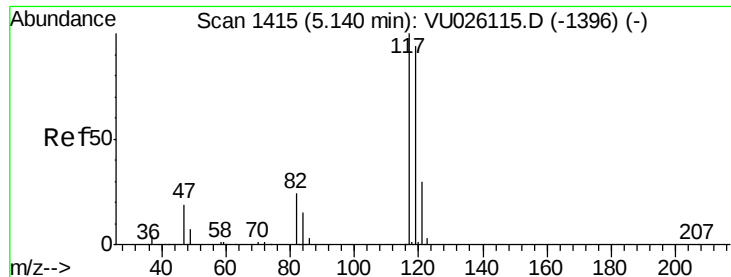
#30
1,1,1-Trichloroethane
Concen: 55.575 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

Tgt Ion: 97 Resp: 173767
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.6
61 43.3 34.7 52.1



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: 56.584 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

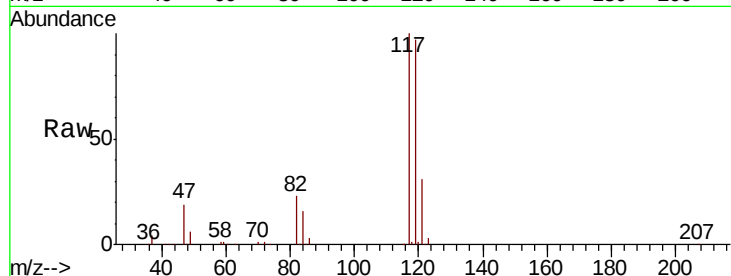
VSTD05058

Tgt Ion:117 Resp: 161554

Ion Ratio Lower Upper

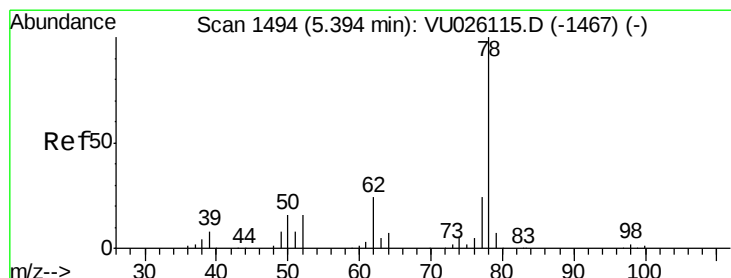
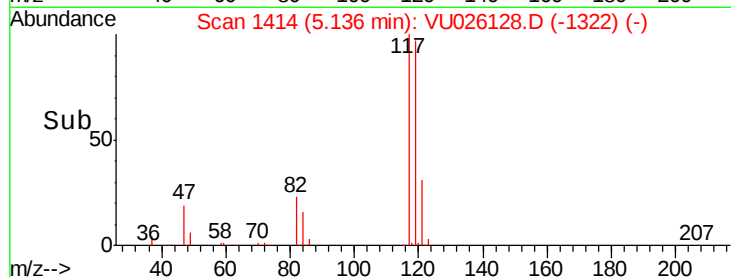
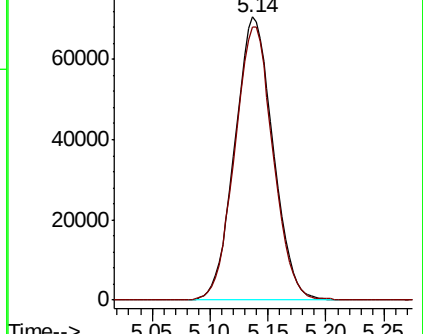
117 100

119 96.8 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 57.564 ug/L

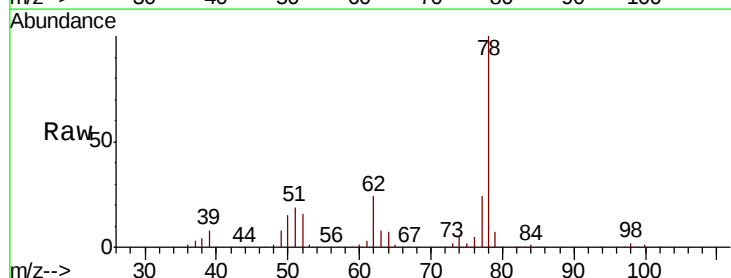
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

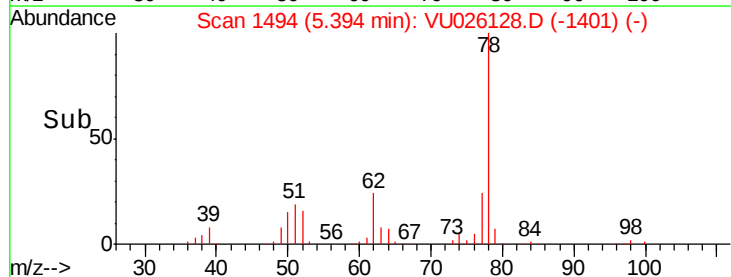
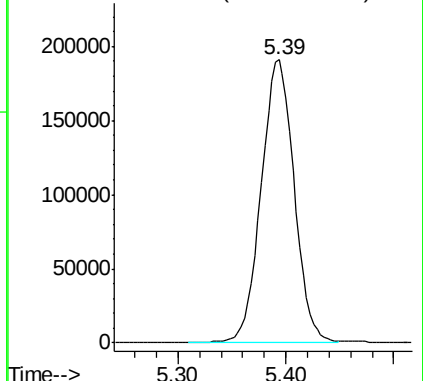
Lab File: VU026128.D

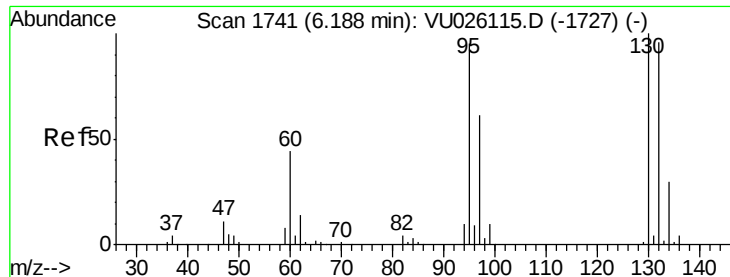
Acq: 15 Aug 2018 02:48

Tgt Ion: 78 Resp: 406291



Abundance Ion 78.00 (77.70 to 78.70): VU0

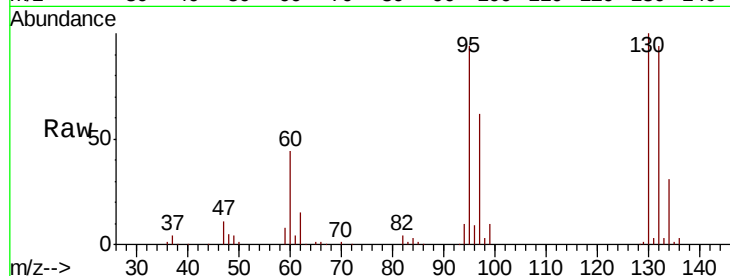




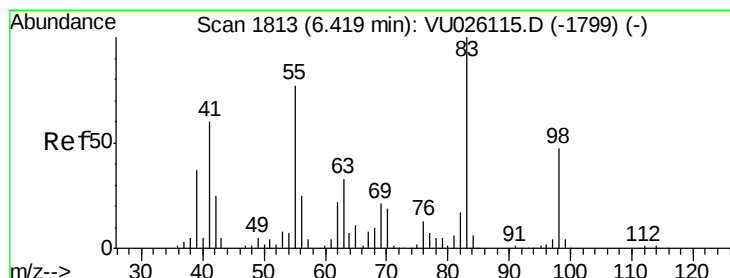
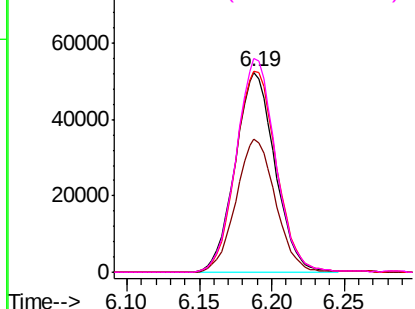
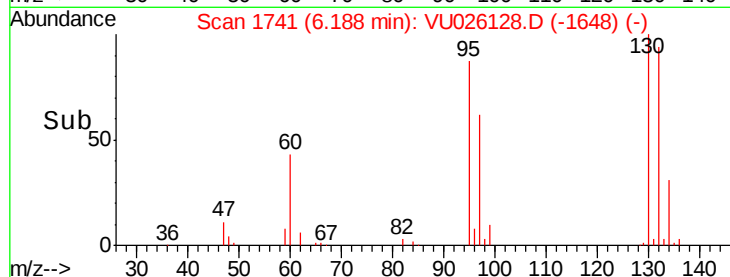
#34
 Trichloroethene
 Concen: 54.166 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion: 95 Resp: 99877
 Ion Ratio Lower Upper
 95 100
 97 66.5 45.2 84.0
 132 100.4 68.2 126.6
 130 106.8 73.8 137.2

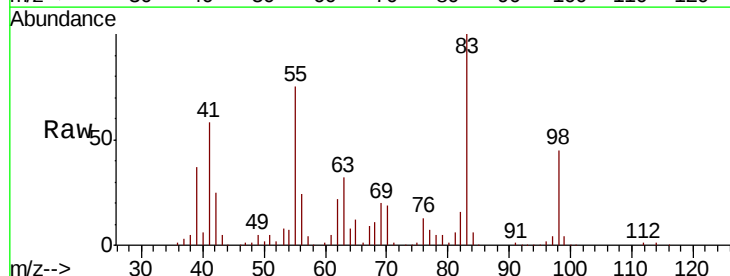


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

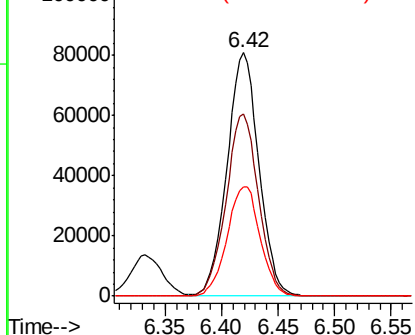
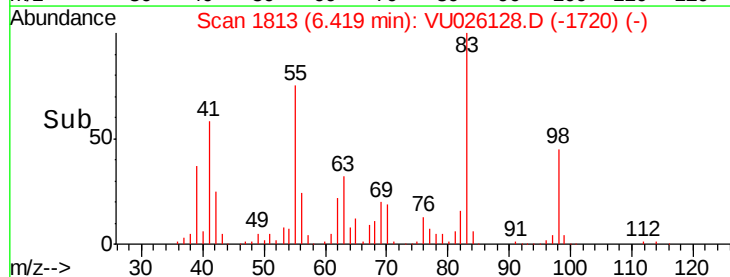


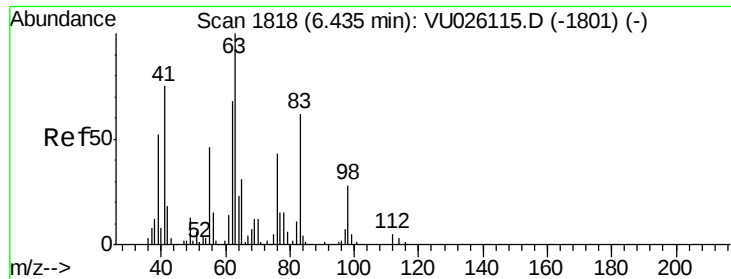
#35
 Methylcyclohexane
 Concen: 56.415 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Tgt Ion: 83 Resp: 158835
 Ion Ratio Lower Upper
 83 100
 55 76.1 61.0 91.6
 98 46.7 38.1 57.1



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

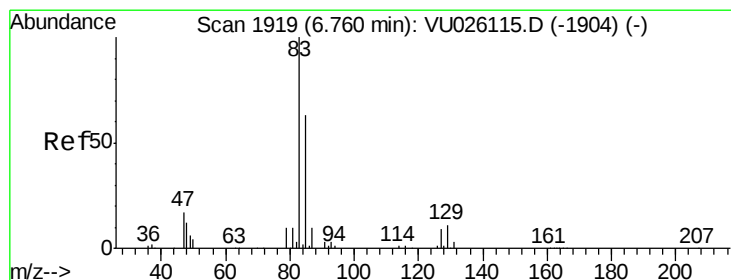
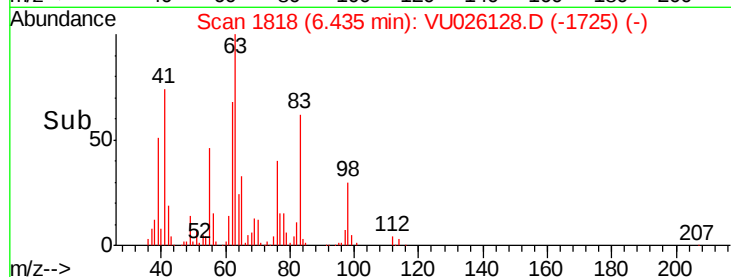
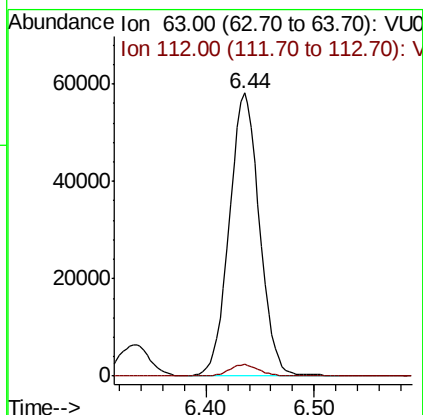
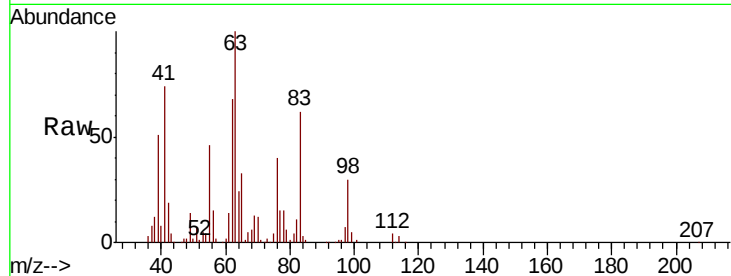




#37
 1,2-Dichloropropane
 Concen: 58.422 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

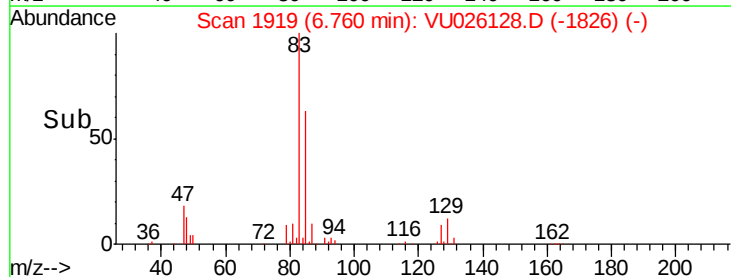
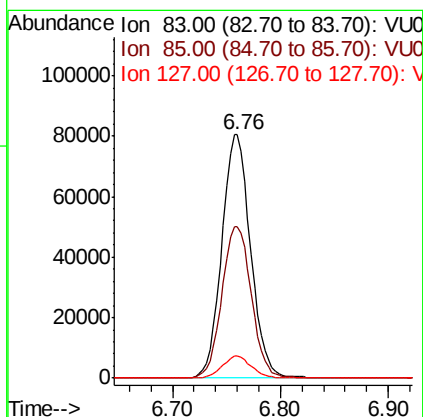
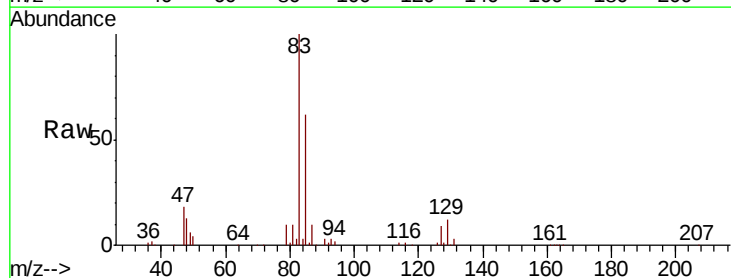
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

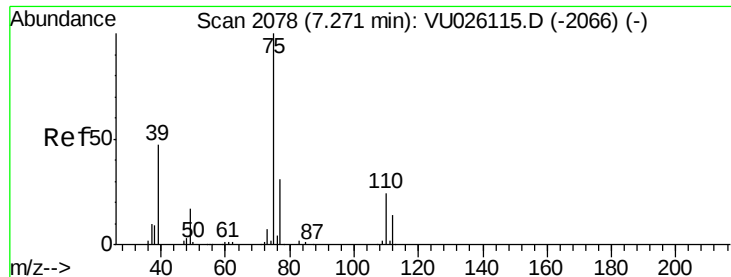
Tgt Ion: 63 Resp: 112828
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 58.022 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Tgt Ion: 83 Resp: 149287
 Ion Ratio Lower Upper
 83 100
 85 62.2 45.3 84.1
 127 9.4 7.4 11.2



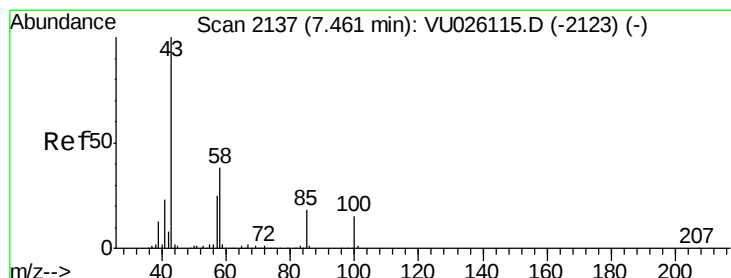
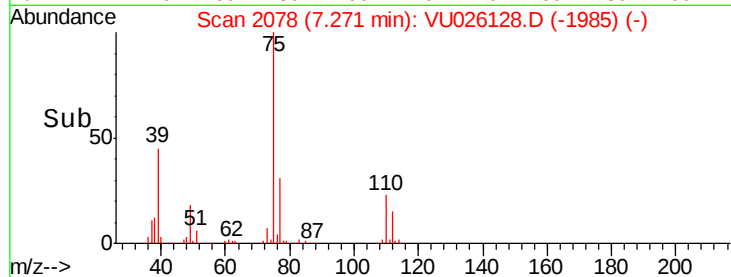
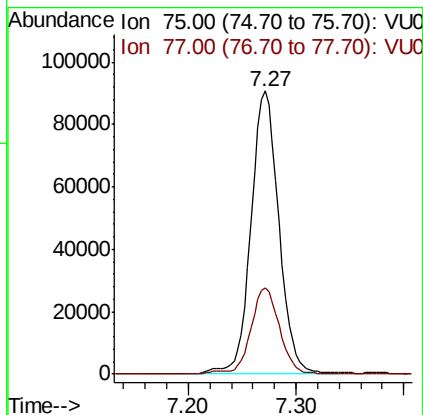
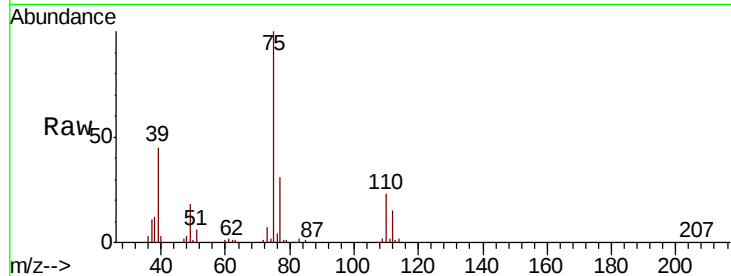


#39

cis-1,3-Dichloropropene
 Concen: 55.726 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

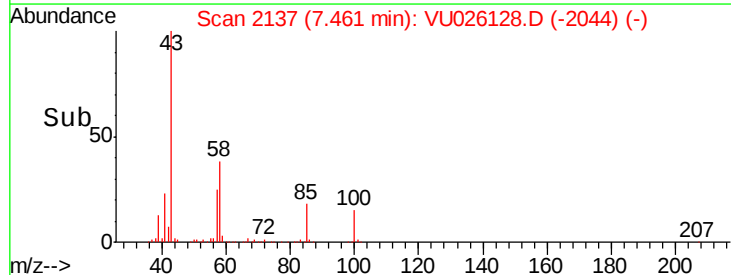
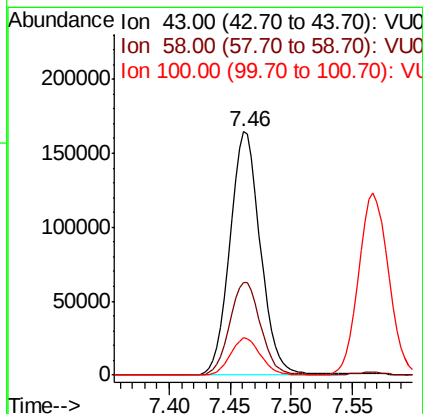
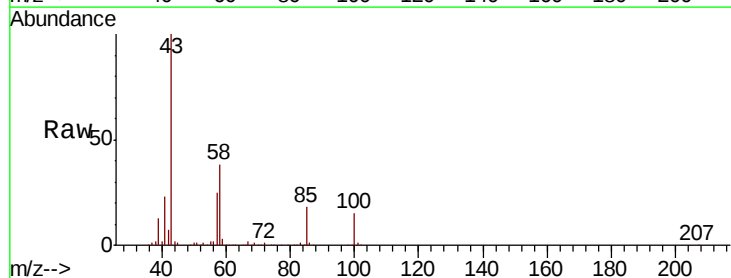
Tgt Ion: 75 Resp: 163107
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.1 41.1

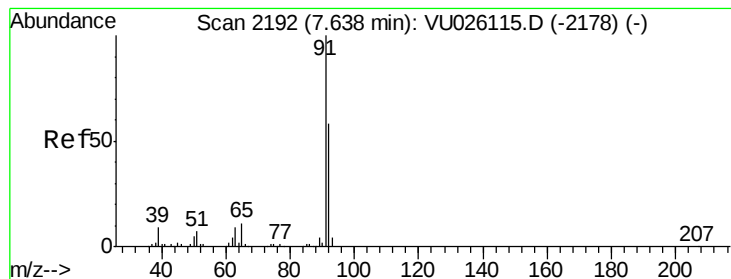


#40

4-Methyl-2-pentanone
 Concen: 108.116 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Tgt Ion: 43 Resp: 286891
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.6 46.0
 100 15.1 11.8 17.6





#42

Toluene

Concen: 58.294 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

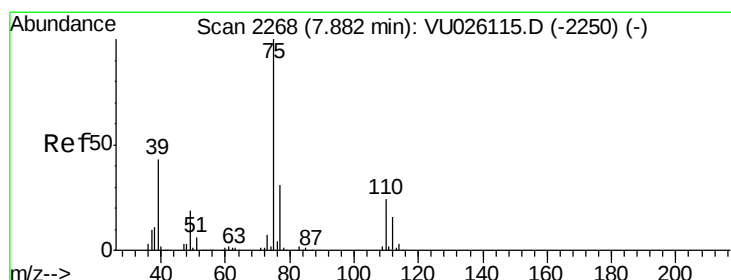
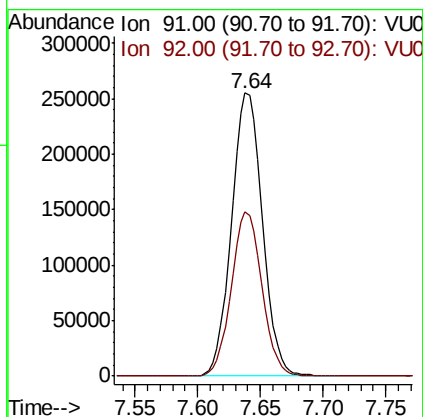
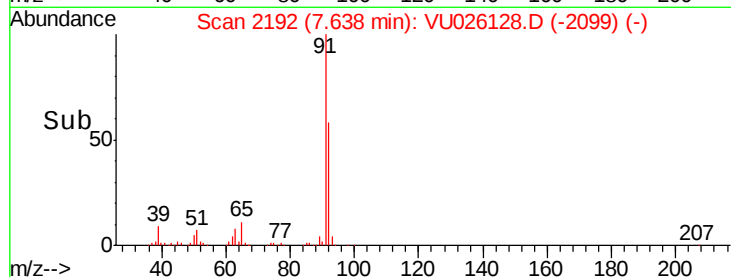
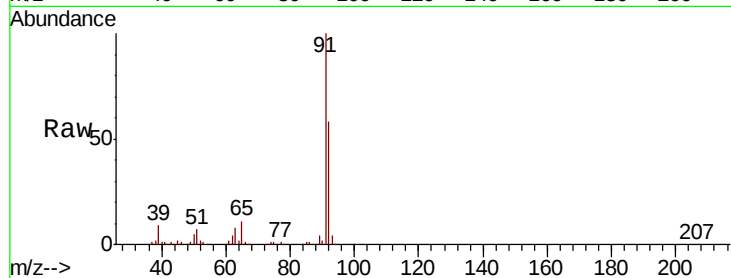
VSTD05058

Tgt Ion: 91 Resp: 436727

Ion Ratio Lower Upper

91 100

92 57.9 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 55.948 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026128.D

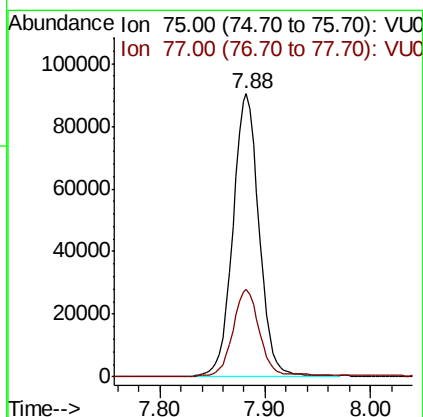
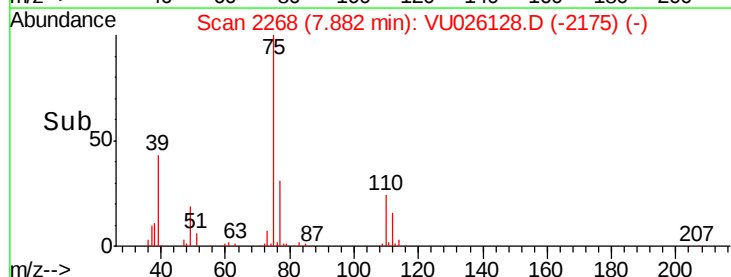
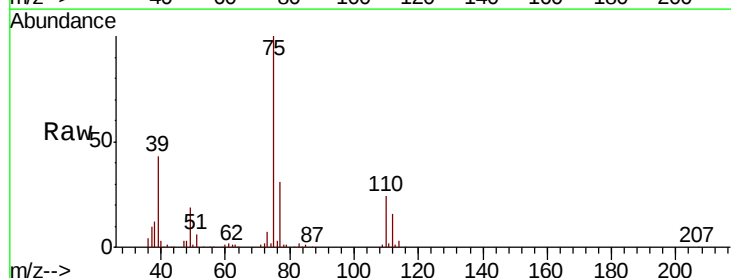
Acq: 15 Aug 2018 02:48

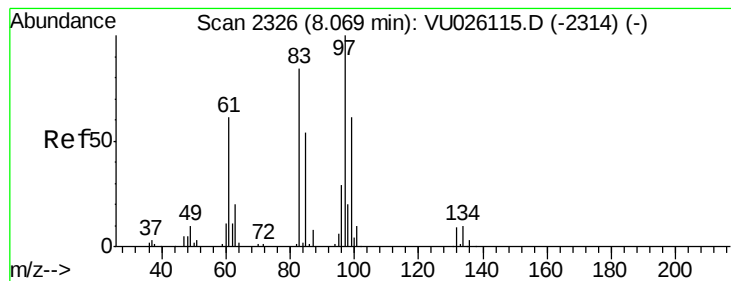
Tgt Ion: 75 Resp: 155871

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 57.123 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 97 Resp: 105176

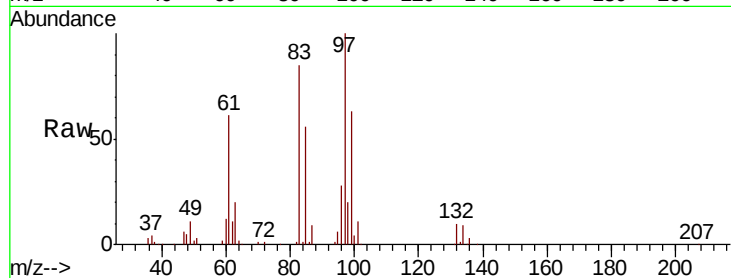
Ion Ratio Lower Upper

97 100

99 63.2 41.6 77.2

83 84.7 59.0 109.6

85 56.2 37.9 70.5



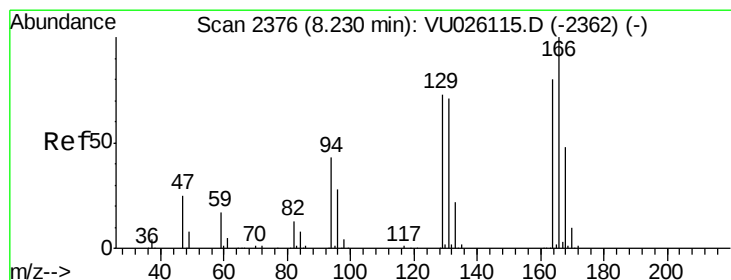
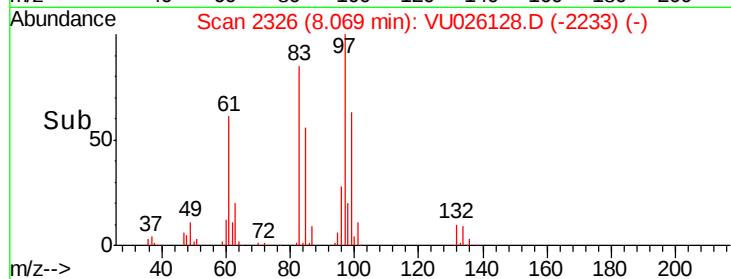
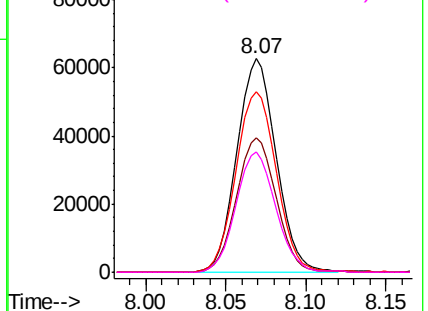
Abundance

Ion 97.00 (96.70 to 97.70): VU026115.D (-2314) (-)

Ion 99.00 (98.70 to 99.70): VU026115.D (-2314) (-)

Ion 83.00 (82.70 to 83.70): VU026115.D (-2314) (-)

Ion 85.00 (84.70 to 85.70): VU026115.D (-2314) (-)



#46

Tetrachloroethene

Concen: 55.889 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Tgt Ion: 164 Resp: 87701

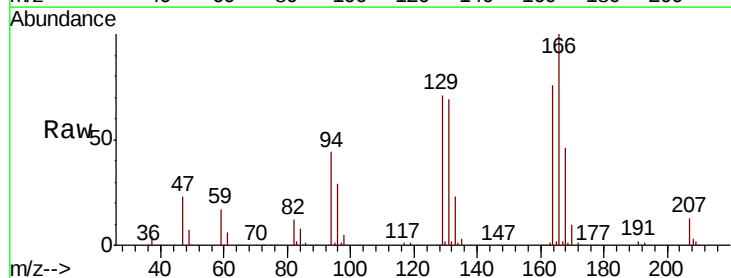
Ion Ratio Lower Upper

164 100

129 93.2 64.8 120.3

131 91.4 62.8 116.6

166 131.7 89.0 165.4



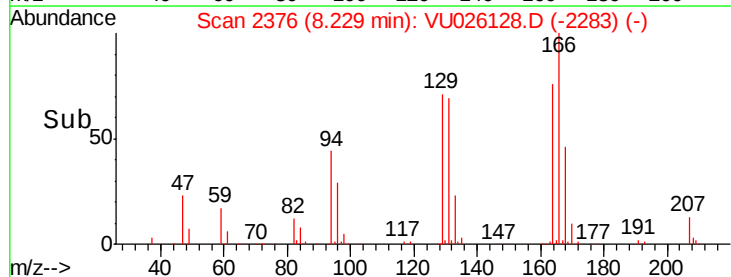
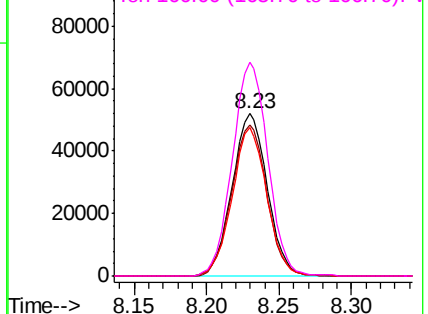
Abundance

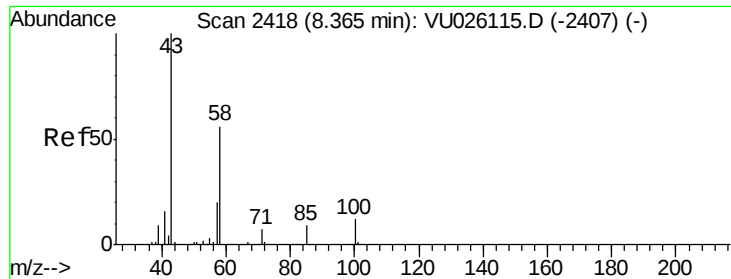
Ion 164.00 (163.70 to 164.70): VU026115.D (-2362) (-)

Ion 129.00 (128.70 to 129.70): VU026115.D (-2362) (-)

Ion 131.00 (130.70 to 131.70): VU026115.D (-2362) (-)

Ion 166.00 (165.70 to 166.70): VU026115.D (-2362) (-)

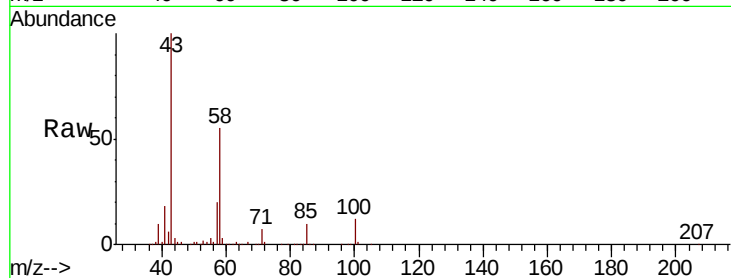




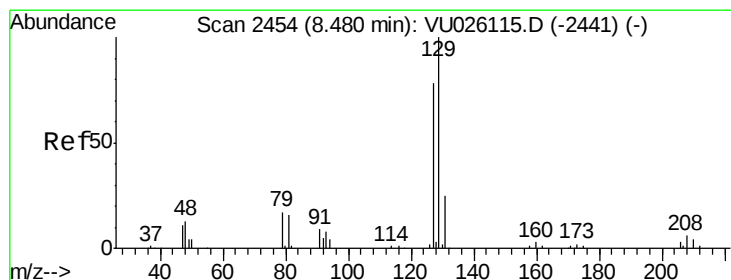
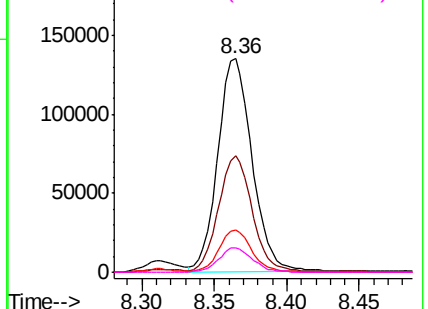
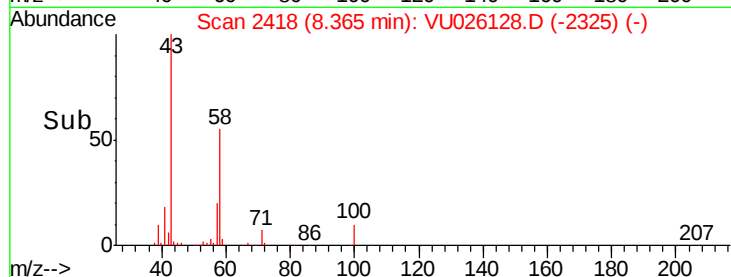
#48
2-Hexanone
Concen: 107.143 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion:	43	Resp:	221495
Ion	Ratio	Lower	Upper
43	100		
58	53.7	43.6	65.4
57	18.8	15.1	22.7
100	11.2	9.3	13.9

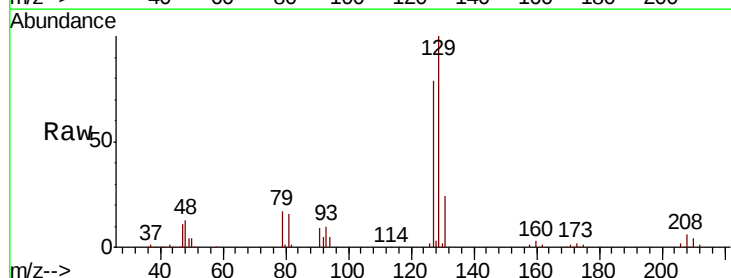


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

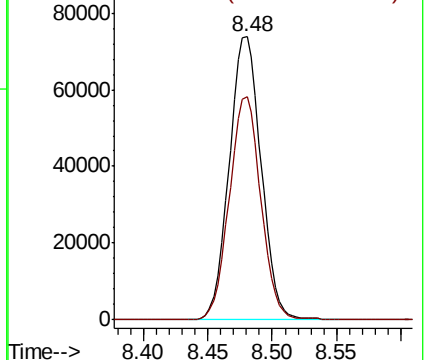
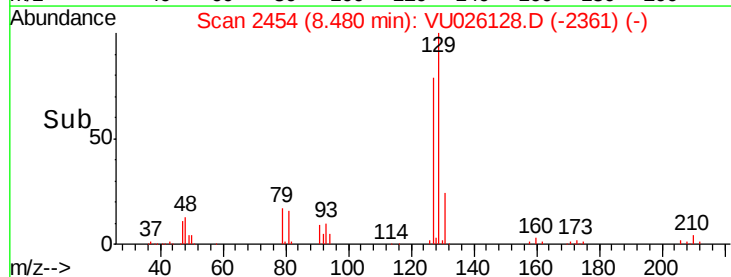


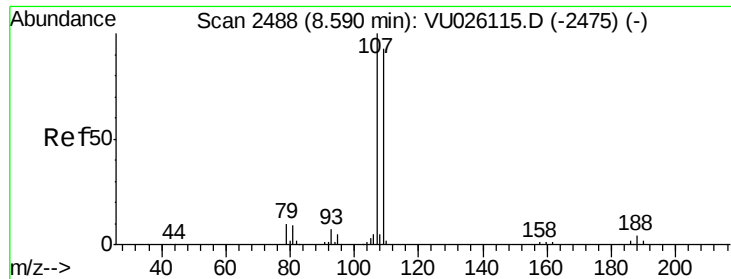
#49
Dibromochloromethane
Concen: 57.111 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

Tgt Ion:	129	Resp:	126802
Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.5	99.3



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

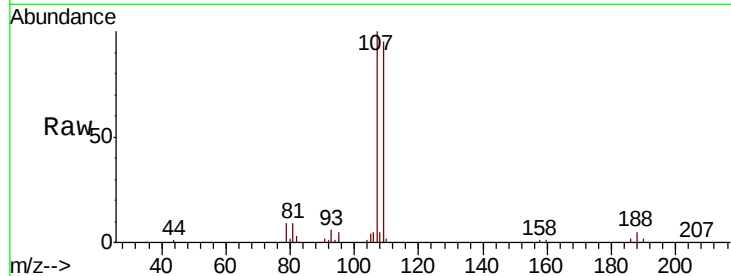




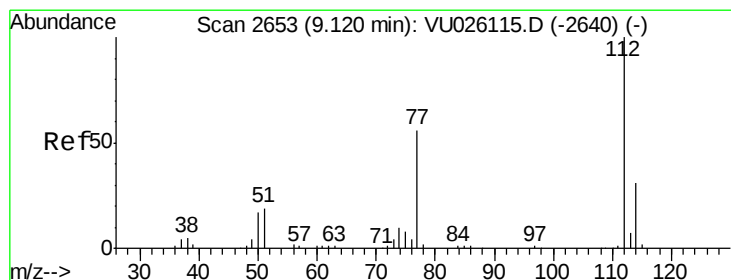
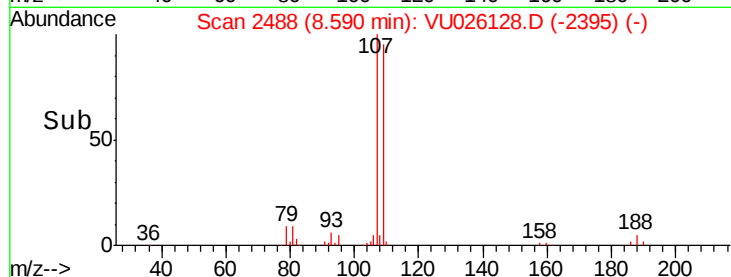
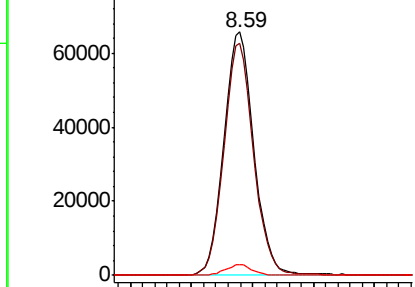
#50
 1,2-Dibromoethane
 Concen: 56.457 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion:107 Resp: 113213
 Ion Ratio Lower Upper
 107 100
 109 95.2 66.1 122.7
 188 4.6 2.9 4.3#

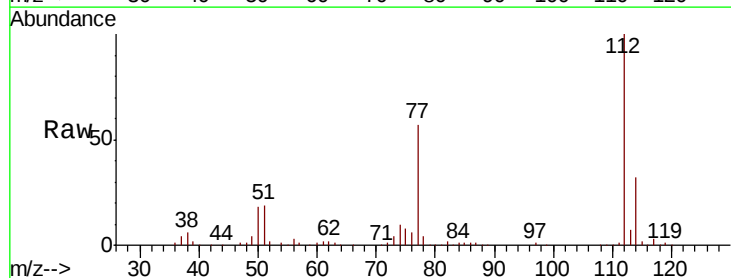


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

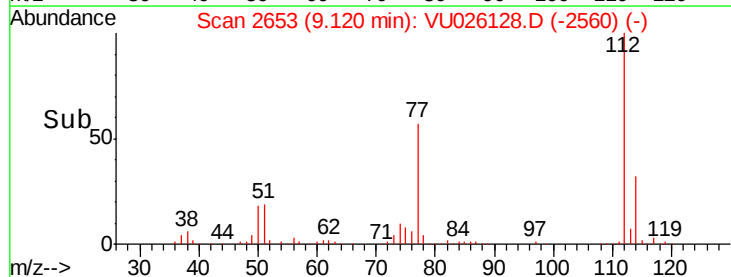
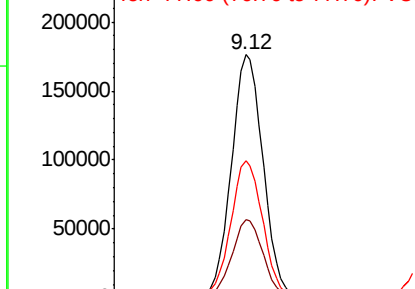


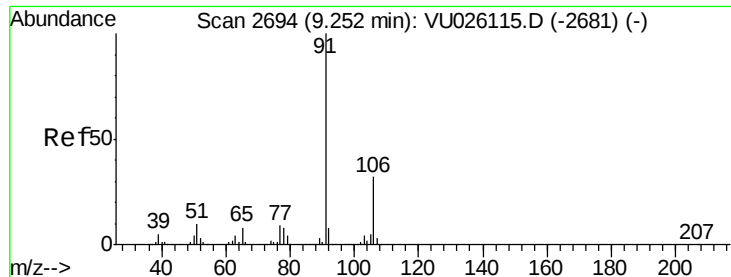
#51
 Chlorobenzene
 Concen: 56.829 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Tgt Ion:112 Resp: 287065
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.7 42.3
 77 56.6 45.2 67.8



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): VU0





#52

Ethylbenzene

Concen: 57.435 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

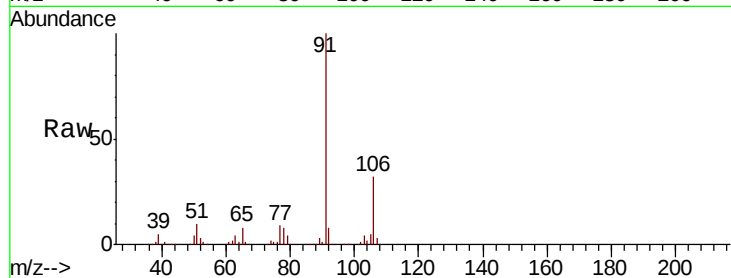
VSTD05058

Tgt Ion: 91 Resp: 470834

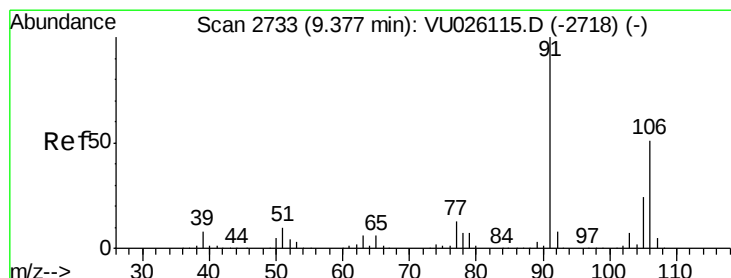
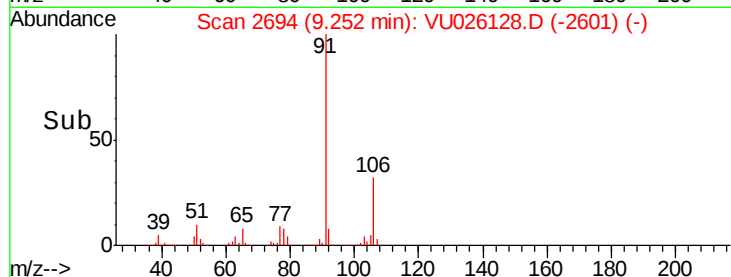
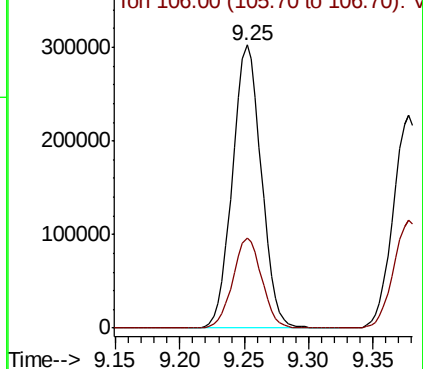
Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU026115.D (-2681) (-)



#53

m,p-Xylene

Concen: 59.373 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026128.D

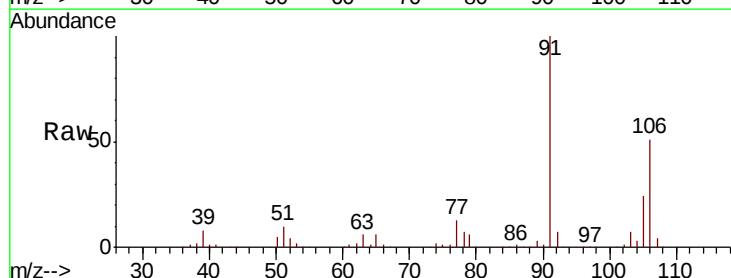
Acq: 15 Aug 2018 02:48

Tgt Ion: 106 Resp: 185984

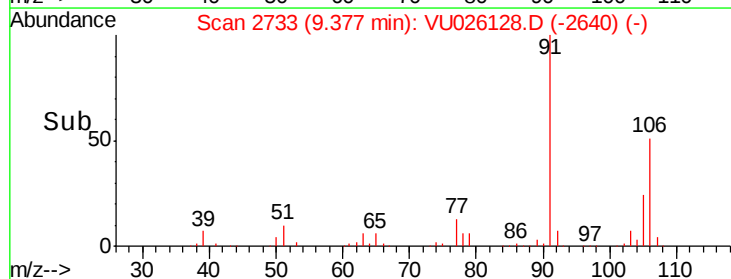
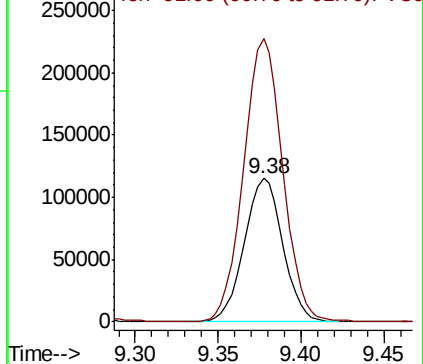
Ion Ratio Lower Upper

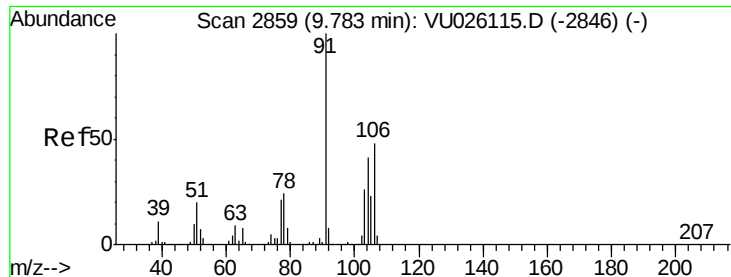
106 100

91 197.5 141.3 262.5



Abundance Ion 106.00 (105.70 to 106.70): VU026115.D (-2718) (-)

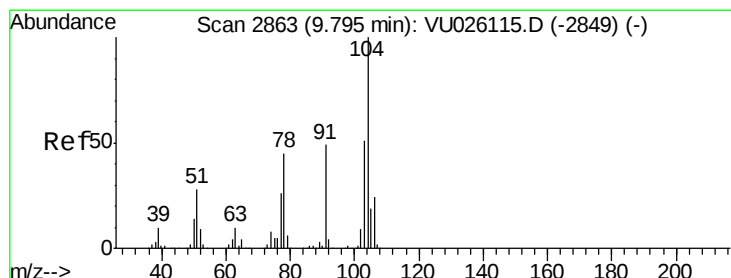
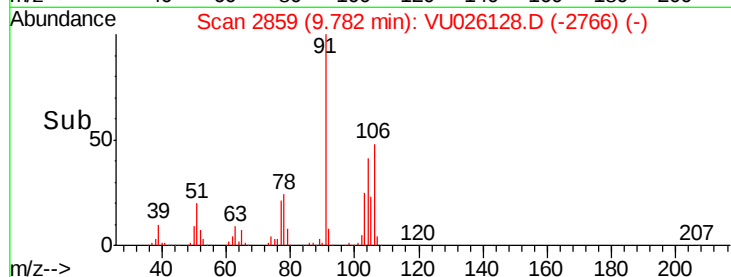
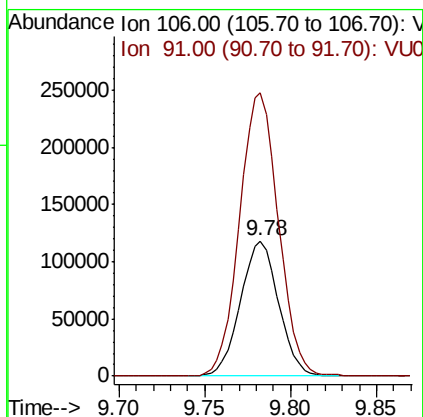
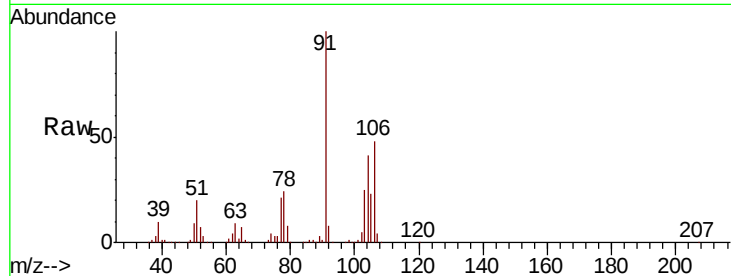




#54
o-xylene
Concen: 58.675 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

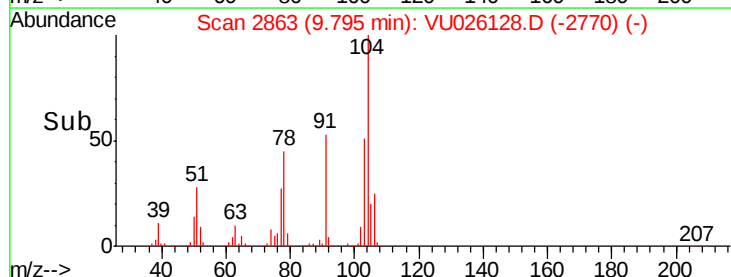
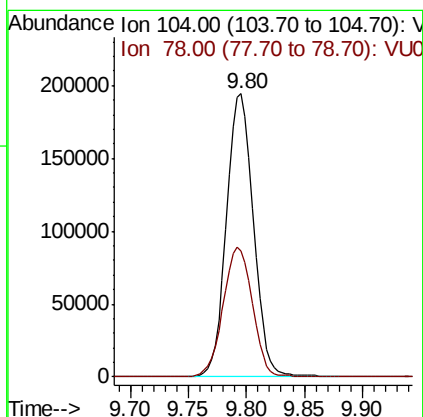
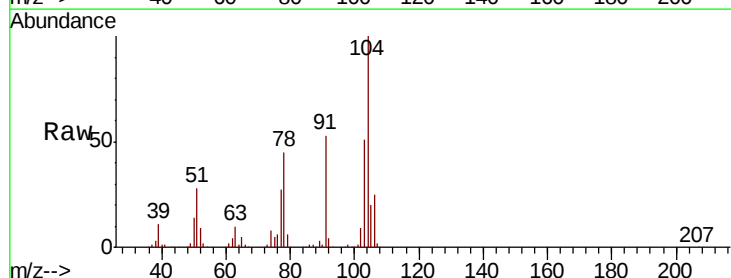
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

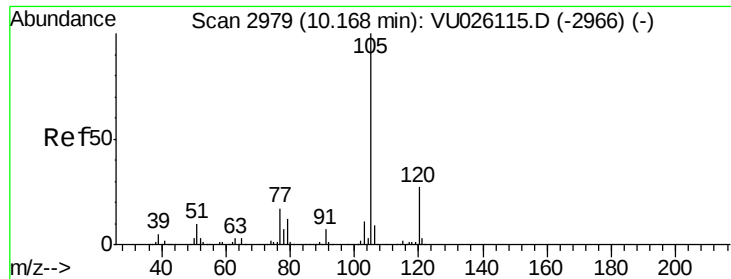
Tgt Ion:106 Resp: 182416
Ion Ratio Lower Upper
106 100
91 209.6 151.2 280.8



#55
Styrene
Concen: 60.358 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU026128.D
Acq: 15 Aug 2018 02:48

Tgt Ion:104 Resp: 312414
Ion Ratio Lower Upper
104 100
78 44.6 32.1 59.5





#56

Isopropylbenzene

Concen: 59.252 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

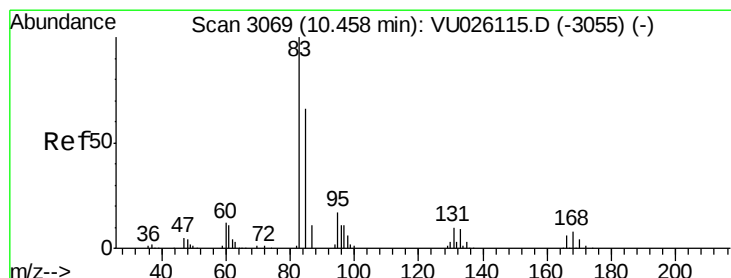
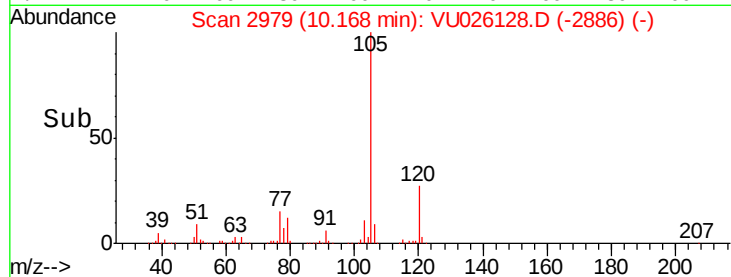
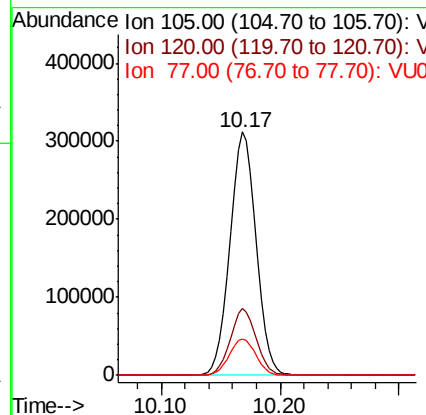
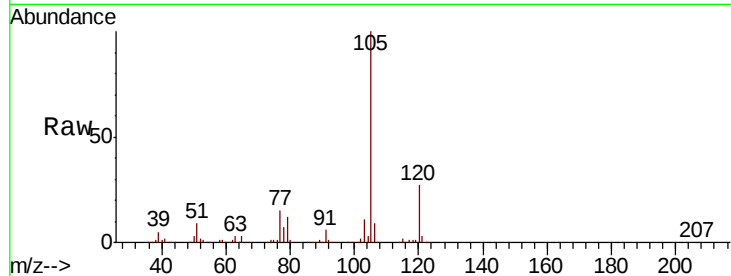
Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion:	105	Resp:	474557
Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.7	32.5
77	15.3	12.6	18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 56.909 ug/L

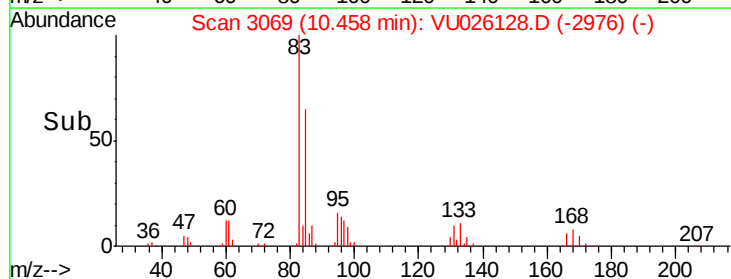
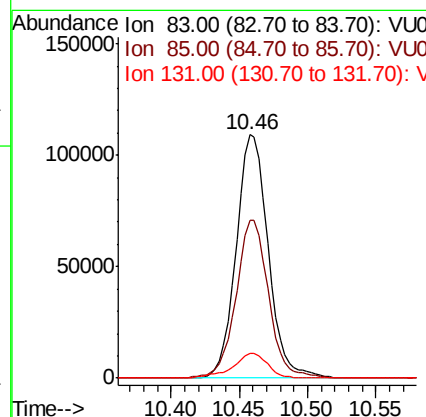
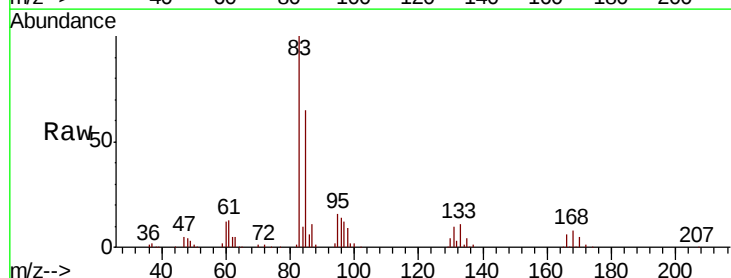
RT: 10.46 min Scan# 3069

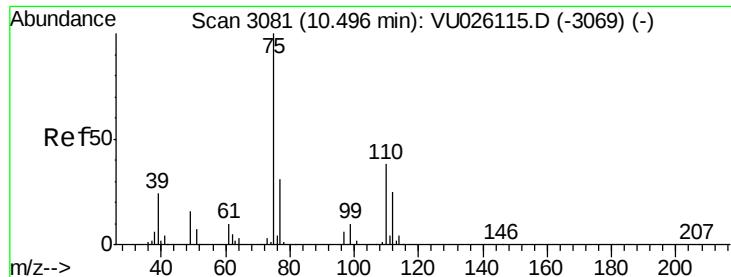
Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Tgt Ion:	83	Resp:	178084
Ion	Ratio	Lower	Upper
83	100		
85	64.8	45.0	83.6
131	10.1	8.6	12.8

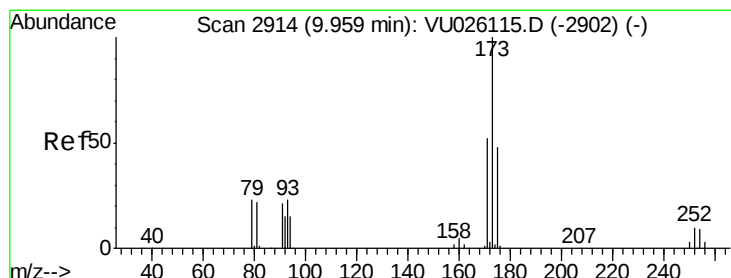
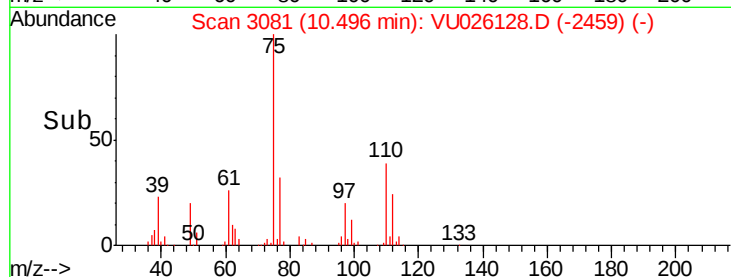
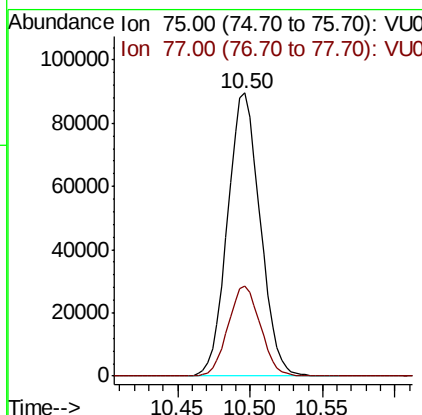
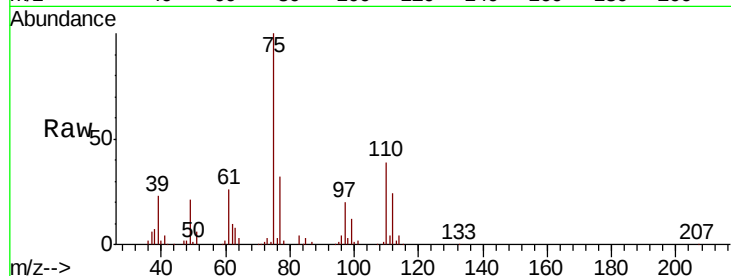




#59
 1,2,3-Trichloropropane
 Concen: 56.254 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

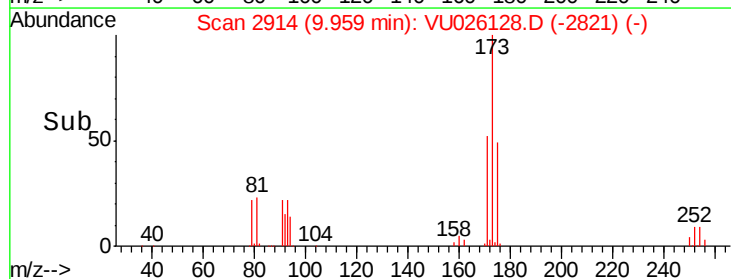
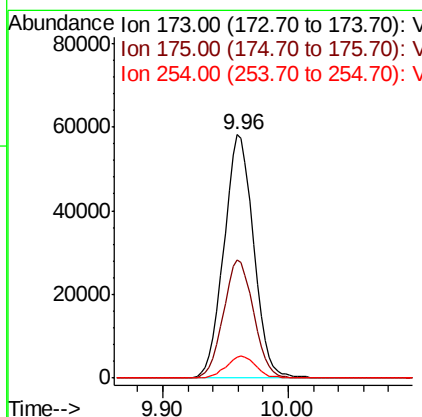
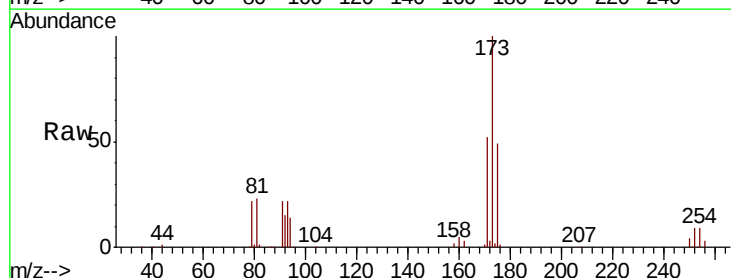
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

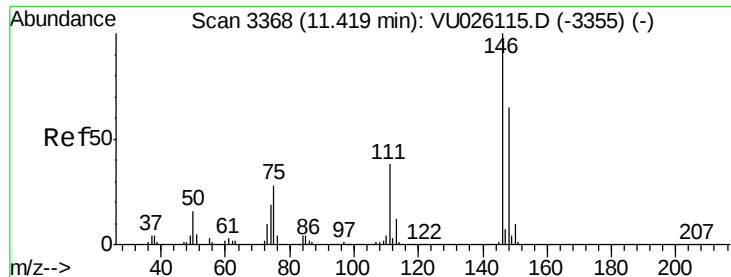
Tgt Ion: 75 Resp: 140115
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9



#61
 Bromoform
 Concen: 56.148 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Tgt Ion: 173 Resp: 95556
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.9 58.3
 254 9.0 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 56.475 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

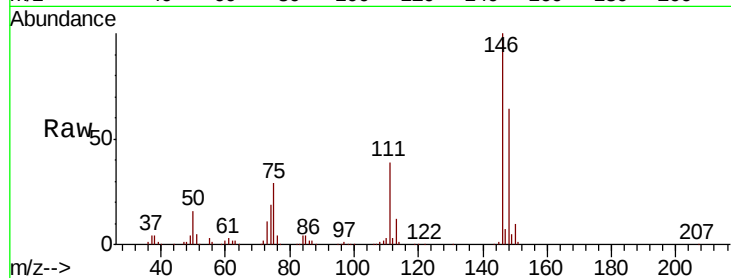
Tgt Ion:146 Resp: 220994

Ion Ratio Lower Upper

146 100

111 39.2 27.9 51.9

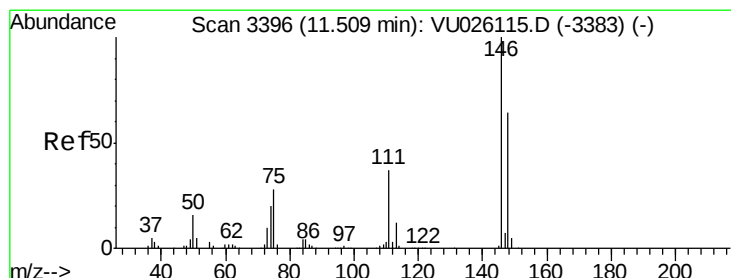
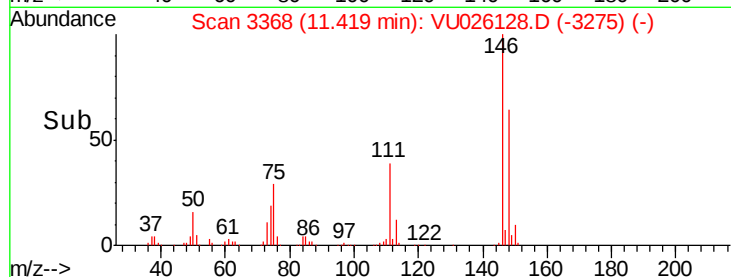
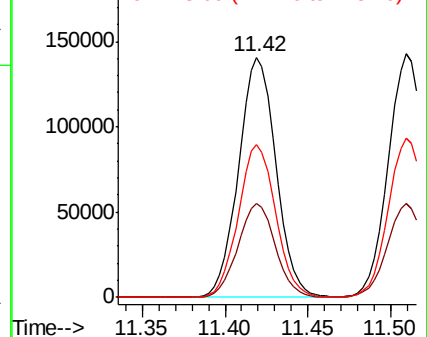
148 63.5 46.0 85.4



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: 54.523 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

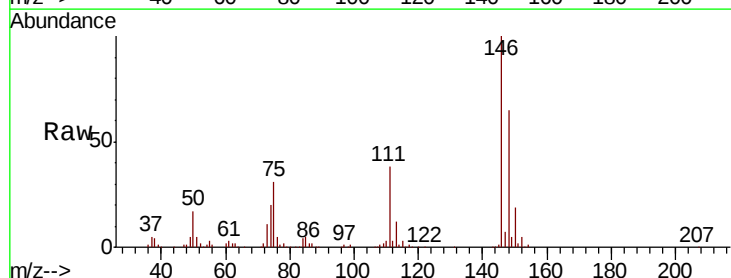
Tgt Ion:146 Resp: 223661

Ion Ratio Lower Upper

146 100

111 38.3 26.4 49.0

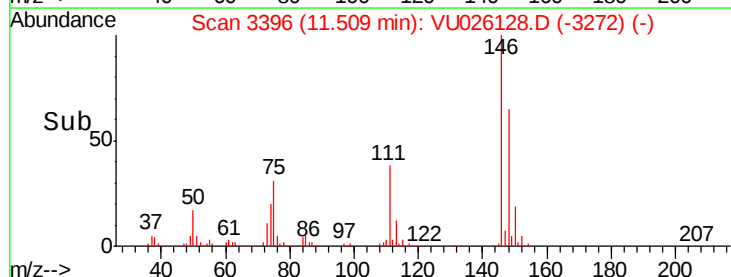
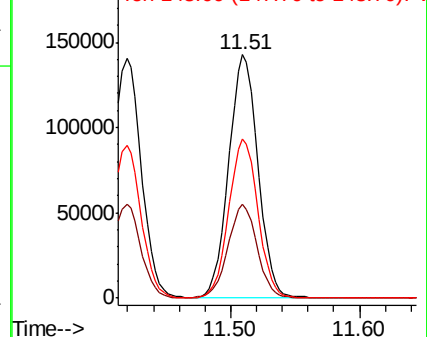
148 65.5 43.8 81.4

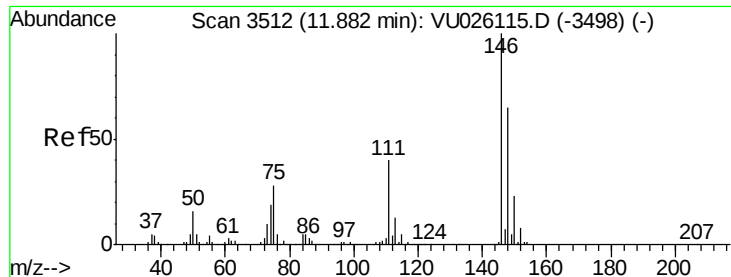


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 57.665 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

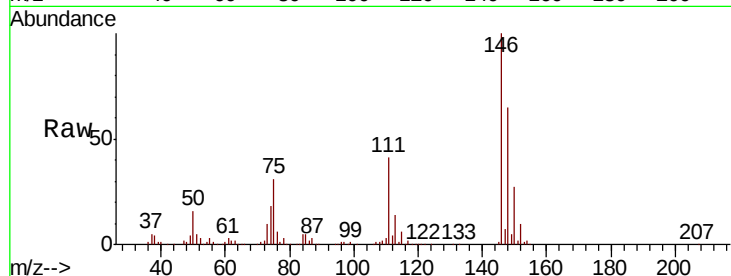
Tgt Ion:146 Resp: 240187

Ion Ratio Lower Upper

146 100

111 41.0 32.4 48.6

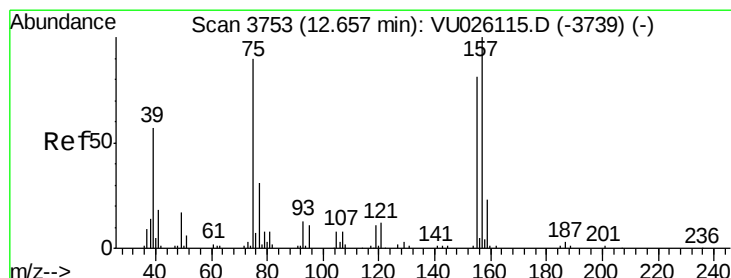
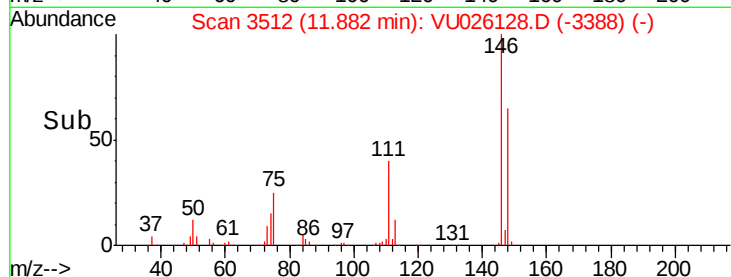
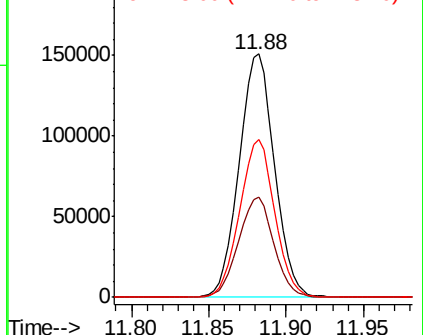
148 65.0 50.1 75.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 53.006 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

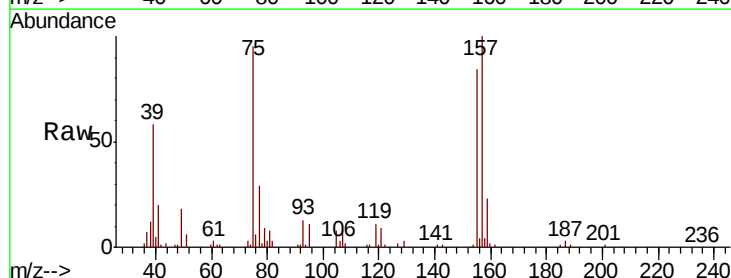
Tgt Ion: 75 Resp: 38751

Ion Ratio Lower Upper

75 100

155 88.3 71.8 107.8

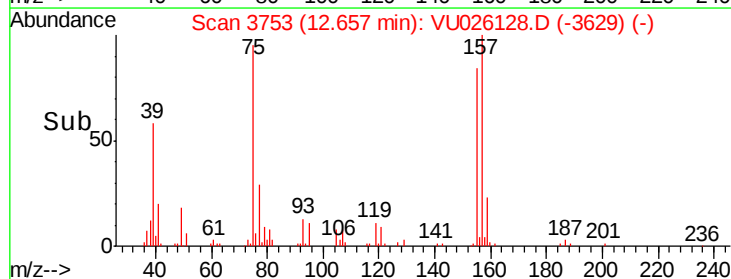
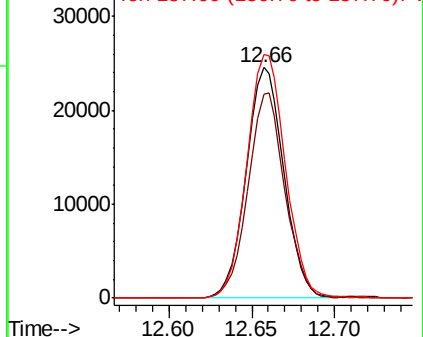
157 105.6 93.0 139.6

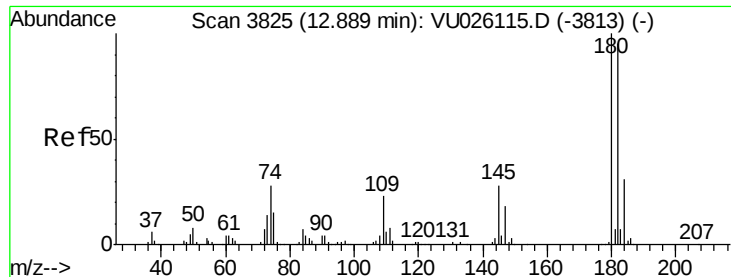


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

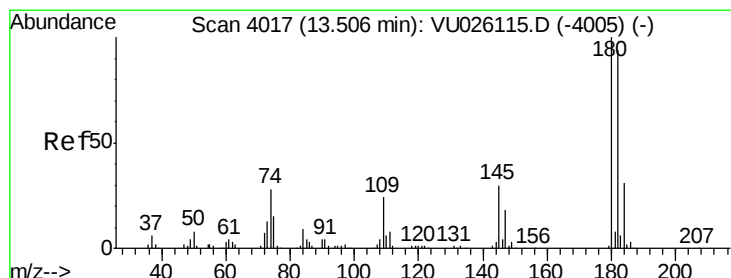
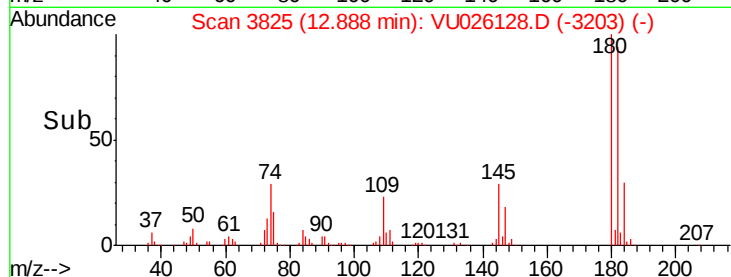
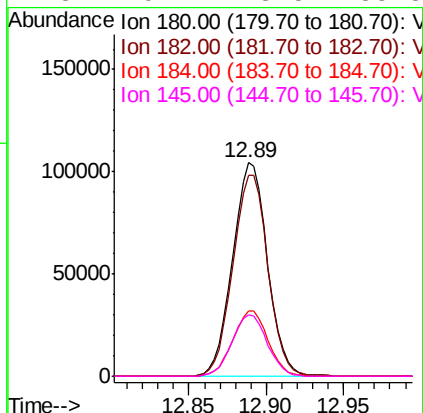
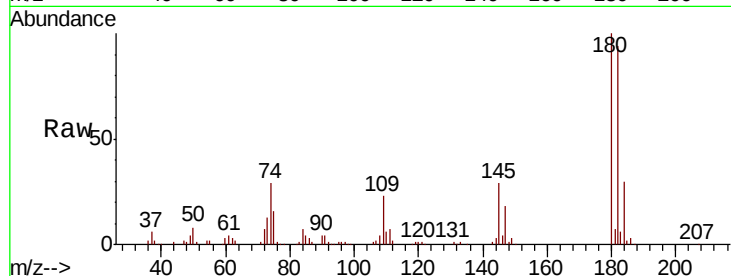




#67
 1,3,5-Trichlorobenzene
 Concen: 55.664 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

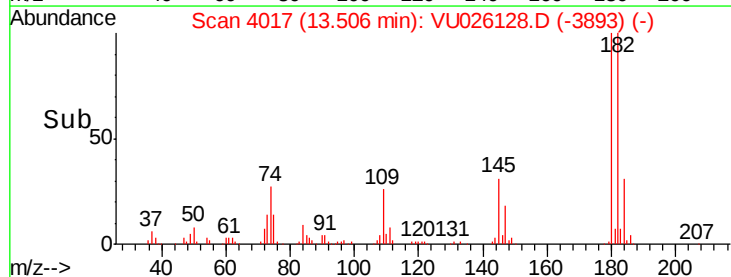
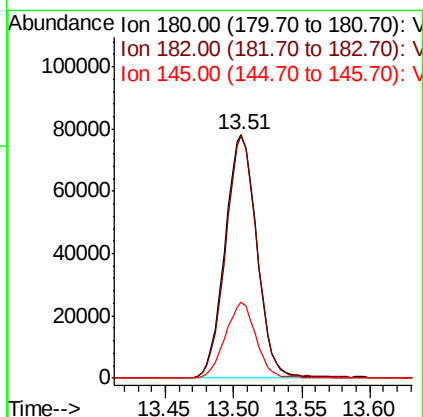
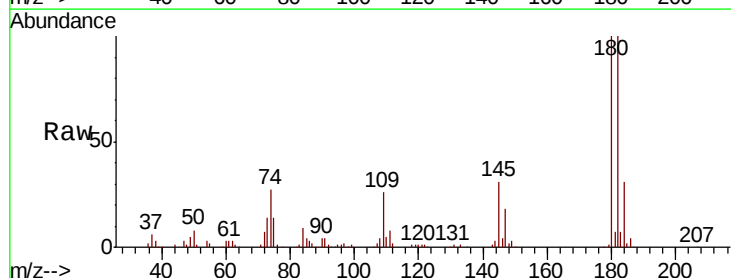
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

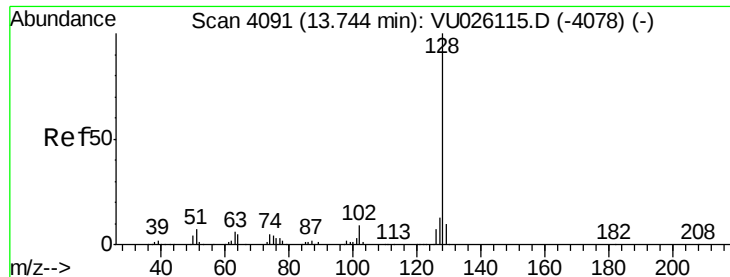
Tgt Ion:	180	Resp:	162796
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.5	114.7
184	30.9	24.3	36.5
145	29.1	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 51.399 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026128.D
 Acq: 15 Aug 2018 02:48

Tgt Ion:	180	Resp:	127119
Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.5	114.7
145	29.8	24.2	36.4





#69

Naphthalene

Concen: 49.480 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

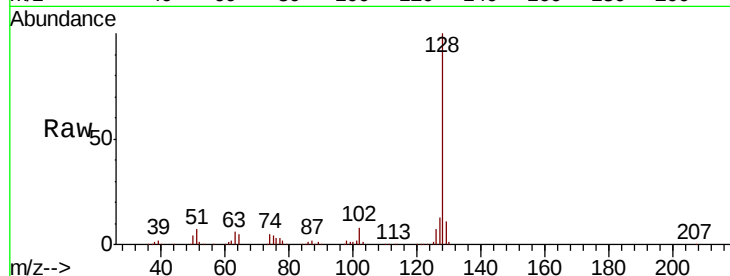
Tgt Ion:128 Resp: 394786

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

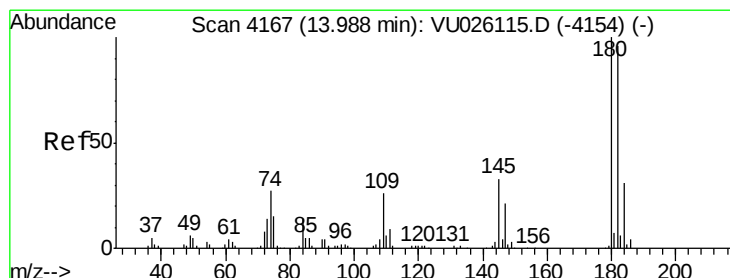
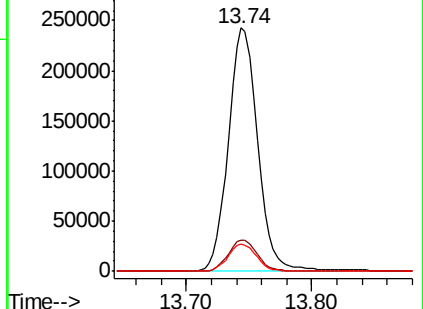
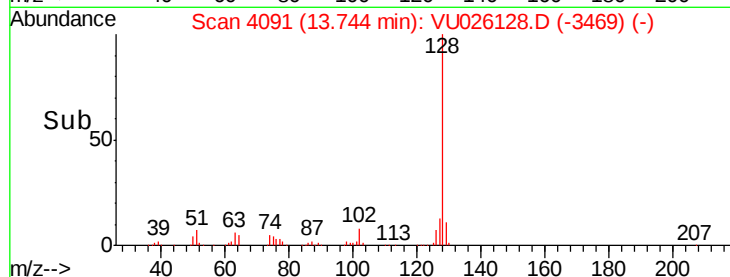
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.250 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026128.D

Acq: 15 Aug 2018 02:48

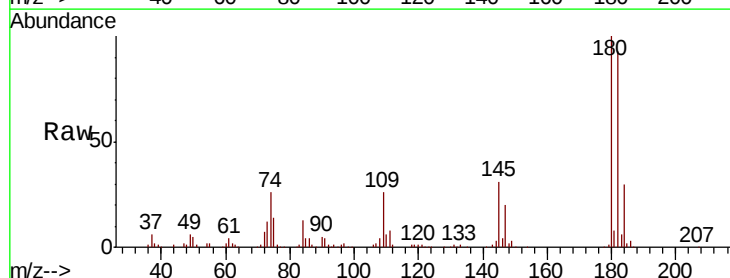
Tgt Ion:180 Resp: 144205

Ion Ratio Lower Upper

180 100

182 95.1 76.5 114.7

145 30.4 24.7 37.1



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

