

Data File : VU026133.D
Acq On : 15 Aug 2018 09:12
Operator : MD/SY
Sample : VSTD10063
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10063

Quant Time: Aug 16 02:02:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 02:00:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	308246	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	301211	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	160392	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	181071	100.04	ug/L	0.00
7) Chloroethane-d5	1.67	69	146650	98.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	355341	99.98	ug/L	0.00
21) 2-Butanone-d5	4.18	46	290232	208.98	ug/L	0.00
24) Chloroform-d	4.65	84	407189	100.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	260085	98.02	ug/L	0.00
32) Benzene-d6	5.34	84	777944	100.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	250135	97.97	ug/L	0.00
41) Toluene-d8	7.57	98	765133	102.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	128371	106.20	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	231022	220.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	364381	101.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	328306	98.36	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	242875	99.519	ug/L	100
3) Chloromethane	1.33	50	219211	98.635	ug/L	99
5) Vinyl chloride	1.40	62	220879	99.537	ug/L	100
6) Bromomethane	1.61	94	120824	105.669	ug/L	96
8) Chloroethane	1.69	64	134186	100.995	ug/L	100
9) Trichlorofluoromethane	1.88	101	321422	98.095	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	179372	101.043	ug/L	98
12) 1,1-Dichloroethene	2.28	96	162538	99.775	ug/L	97
13) Acetone	2.32	43	234513	184.510	ug/L	98
14) Carbon disulfide	2.48	76	557720	98.731	ug/L	100
15) Methyl Acetate	2.61	43	218740	99.209	ug/L	100
16) Methylene chloride	2.70	84	210191	96.317	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	191230	98.958	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	630309	102.757	ug/L	98
19) 1,1-Dichloroethane	3.45	63	366404	98.490	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	220980	101.993	ug/L	97
22) 2-Butanone	4.26	43	321492	203.029	ug/L	99
23) Bromochloromethane	4.55	128	117026	99.921	ug/L	97
25) Chloroform	4.68	83	389893	99.829	ug/L	99
27) 1,2-Dichloroethane	5.41	62	312537	98.975	ug/L	100
29) Cyclohexane	5.00	56	320244	106.404	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	350872	97.495	ug/L	98
31) Carbon tetrachloride	5.14	117	324162	99.422	ug/L	99
33) Benzene	5.39	78	812450	99.613	ug/L	100
34) Trichloroethene	6.19	95	210604	99.120	ug/L	97
35) Methylcyclohexane	6.42	83	336634	105.544	ug/L	99
37) 1,2-Dichloropropane	6.44	63	224072	98.370	ug/L	99
38) Bromodichloromethane	6.76	83	301972	100.127	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	351819	104.046	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	588321	208.206	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	886231	102.316	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	337769	103.670	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	211949	98.136	ug/L	97
46) Tetrachloroethene	8.23	164	181107	98.835	ug/L	98
48) 2-Hexanone	8.36	43	468932	211.806	ug/L	99
49) Dibromochloromethane	8.48	129	266653	102.514	ug/L	97
50) 1,2-Dibromoethane	8.59	107	226494	100.997	ug/L	98
51) Chlorobenzene	9.12	112	592675	100.122	ug/L	100
52) Ethylbenzene	9.25	91	997361	105.705	ug/L	100
53) m,p-Xylene	9.38	106	390405	107.372	ug/L	97
54) o-xylene	9.78	106	386635	106.564	ug/L	100
55) Styrene	9.80	104	667150	110.439	ug/L	100
56) Isopropylbenzene	10.17	105	1014787	108.941	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	363969	100.914	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	286072	101.947	ug/L	99
61) Bromoform	9.96	173	204219	97.384	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	483338	100.559	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	489502	98.752	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	512807	99.829	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	81543	100.120	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	373598	105.253	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	308645	114.776	ug/L	100
69) Naphthalene	13.74	128	956110	124.935	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	326165	113.116	ug/L	99

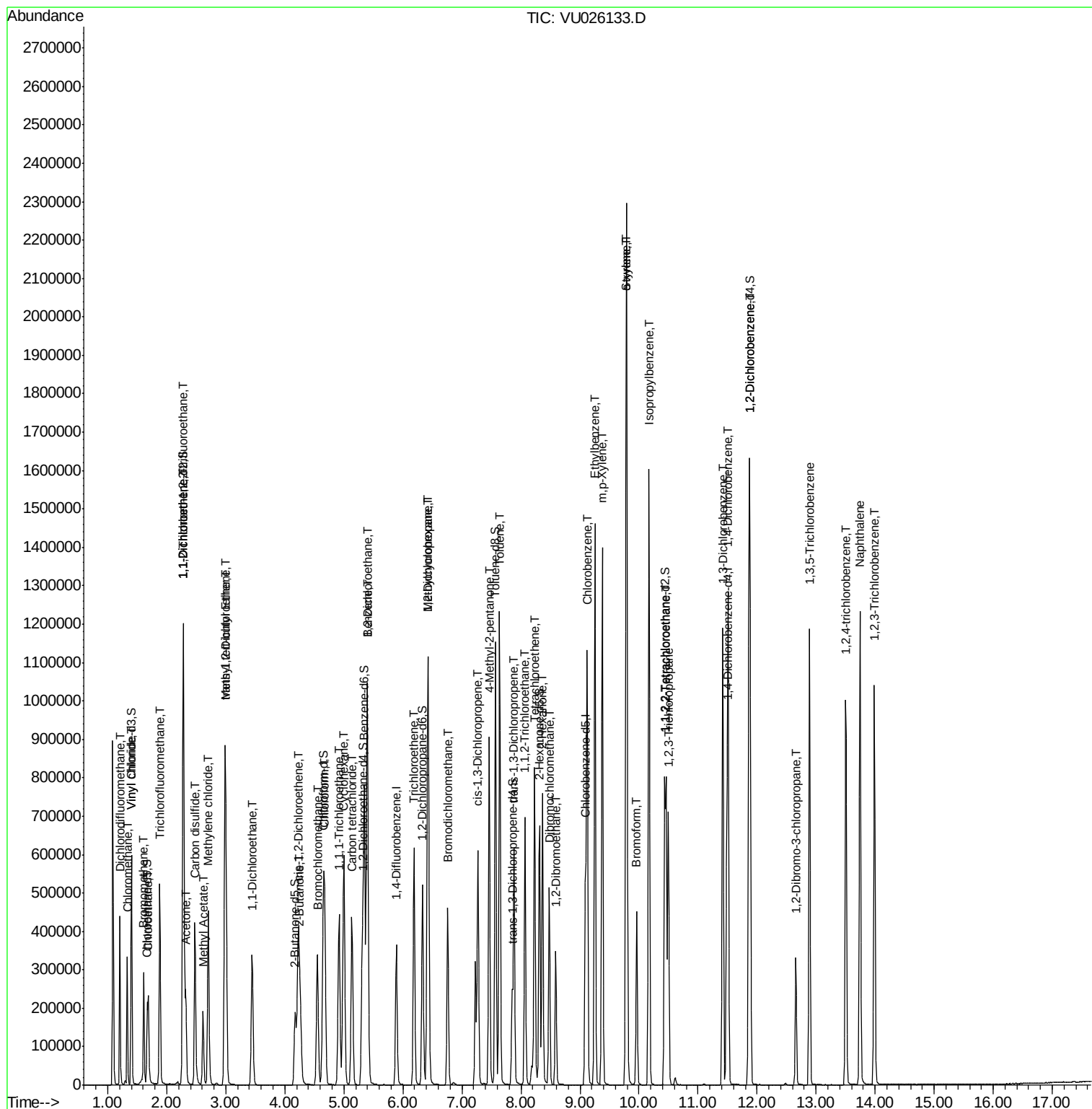
(#) = qualifier out of range (m) = manual integration (+) = signals summed

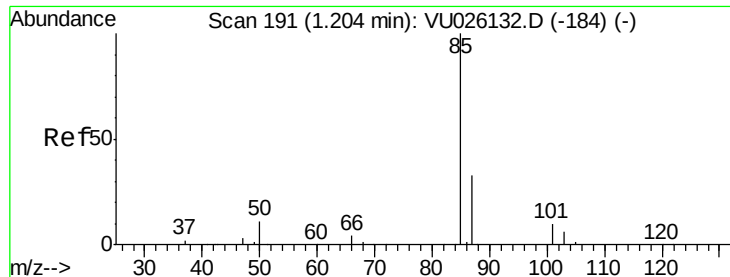
Data File : VU026133.D

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#2

Dichlorodifluoromethane

Concen: 99.519 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampled :

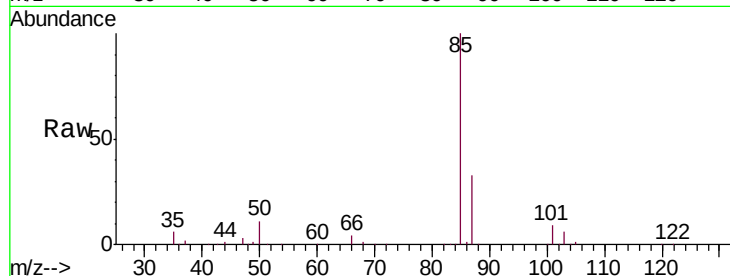
VSTD10063

Tgt Ion: 85 Resp: 242875

Ion Ratio Lower Upper

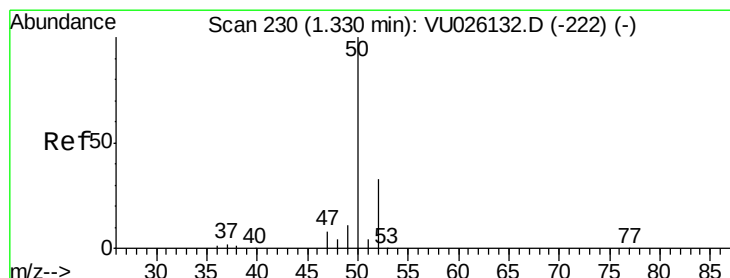
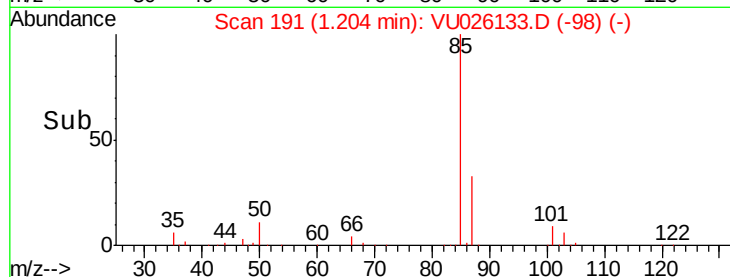
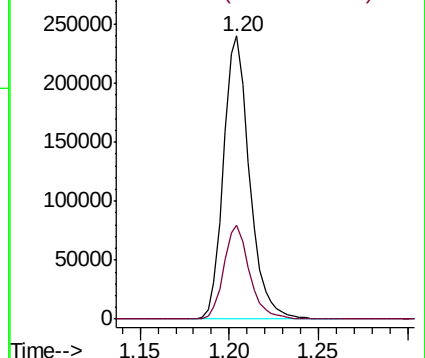
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 98.635 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026133.D

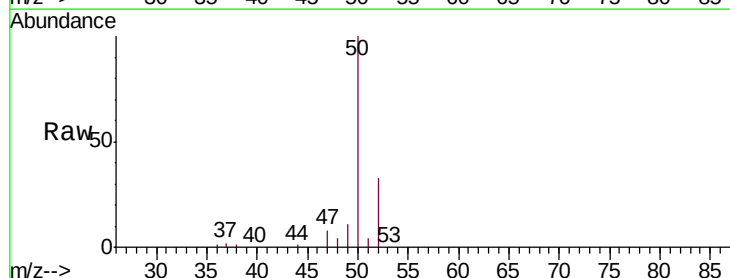
Acq: 15 Aug 2018 09:12

Tgt Ion: 50 Resp: 219211

Ion Ratio Lower Upper

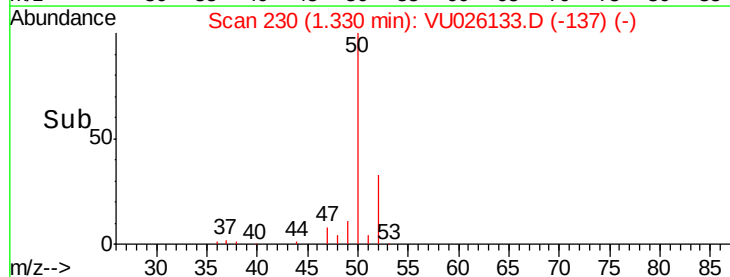
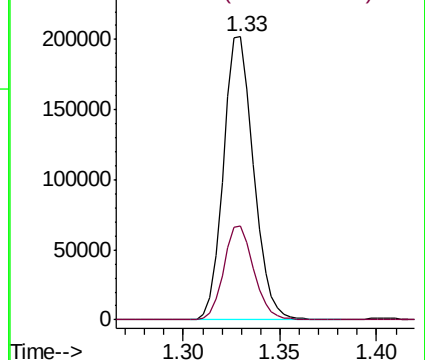
50 100

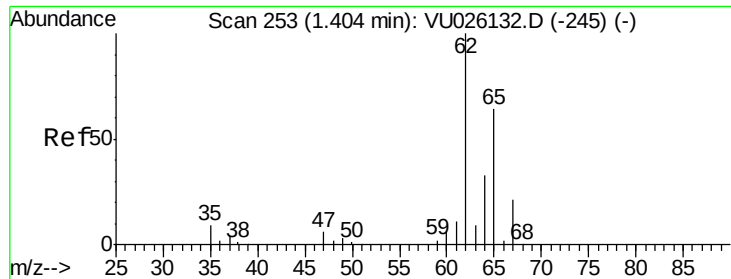
52 33.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 99.537 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

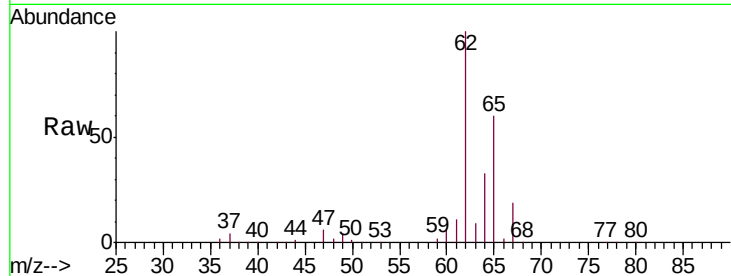
VSTD10063

Tgt Ion: 62 Resp: 220879

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

250000

200000

150000

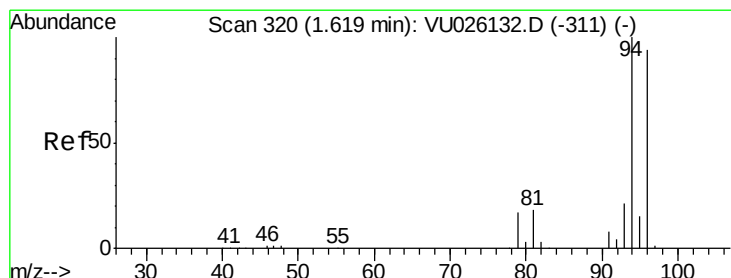
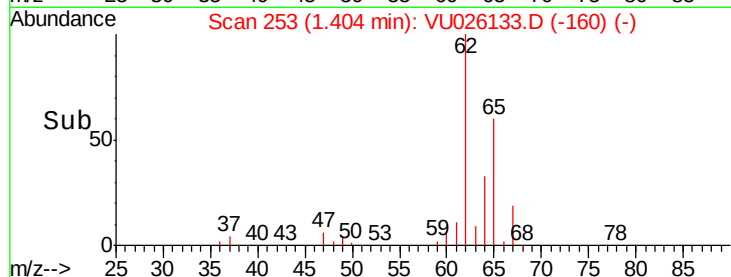
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 105.669 ug/L

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU026133.D

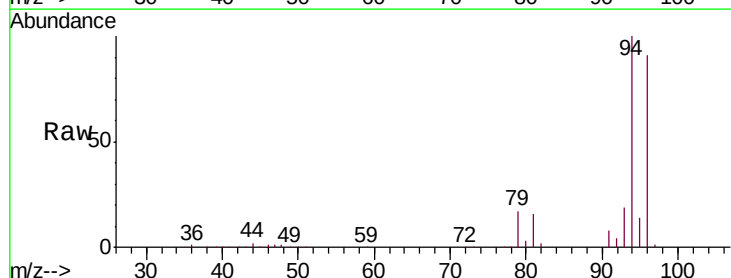
Acq: 15 Aug 2018 09:12

Tgt Ion: 94 Resp: 120824

Ion Ratio Lower Upper

94 100

96 90.8 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

120000

100000

80000

60000

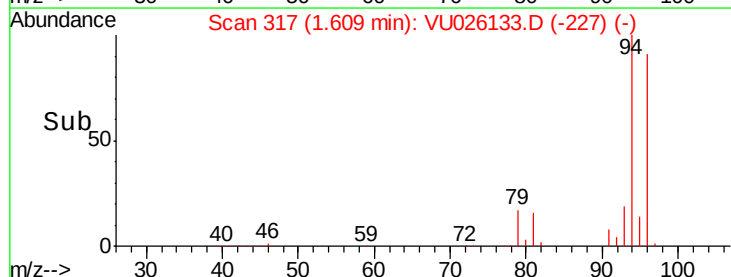
40000

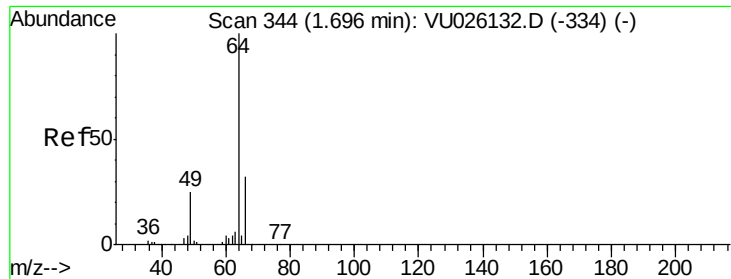
20000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 100.995 ug/L

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

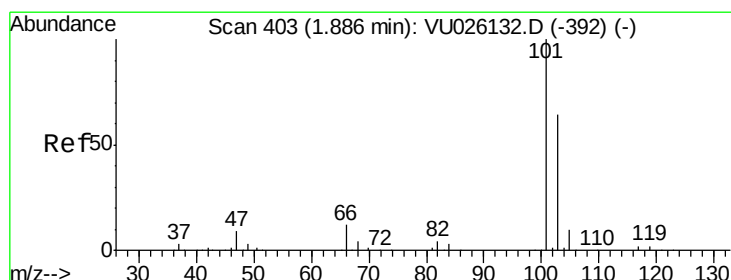
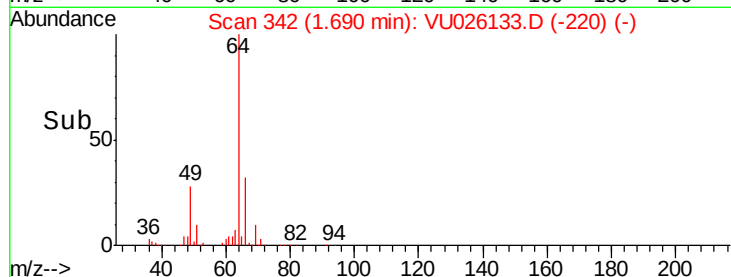
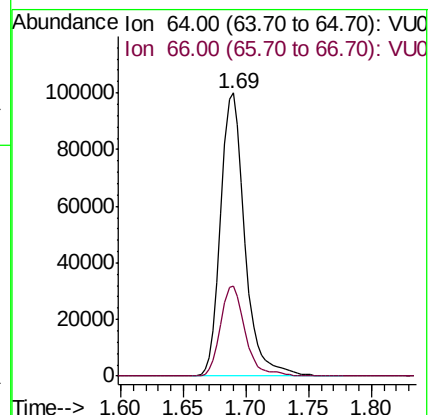
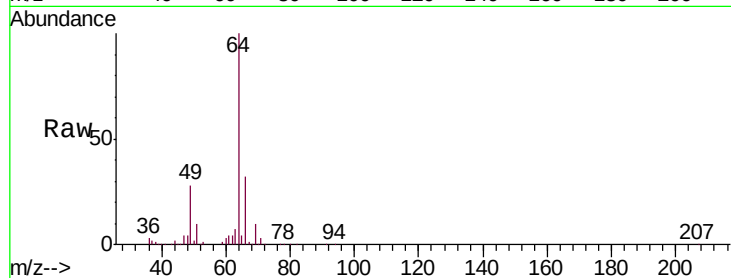
VSTD10063

Tgt Ion: 64 Resp: 134186

Ion Ratio Lower Upper

64 100

66 31.9 22.2 41.2



#9

Trichlorofluoromethane

Concen: 98.095 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU026133.D

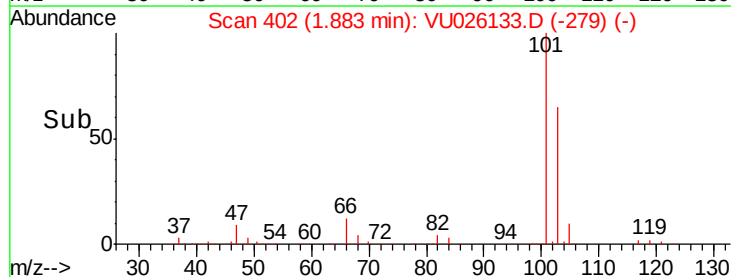
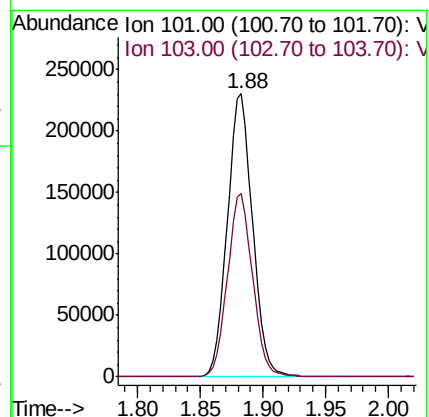
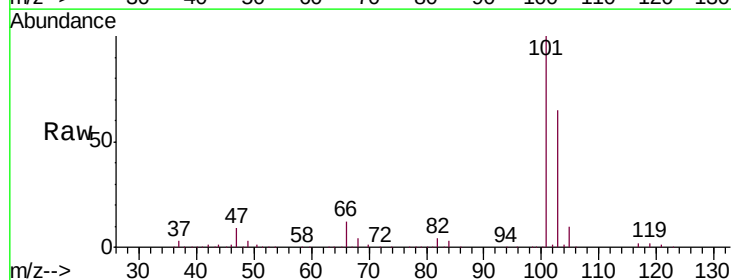
Acq: 15 Aug 2018 09:12

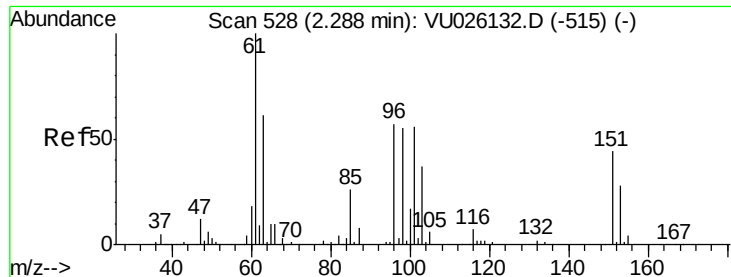
Tgt Ion: 101 Resp: 321422

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.2





#10

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

Concen: 101.043 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10063

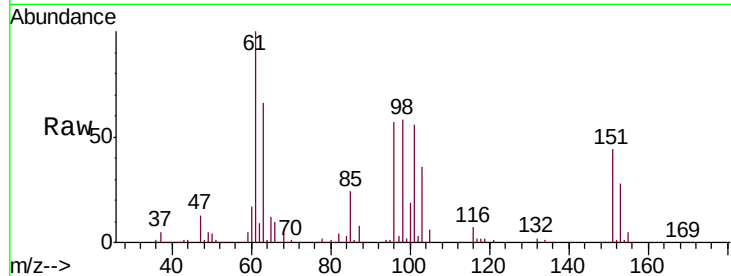
Tgt Ion: 101 Resp: 179372

Ion Ratio Lower Upper

101 100

85 43.8 36.6 55.0

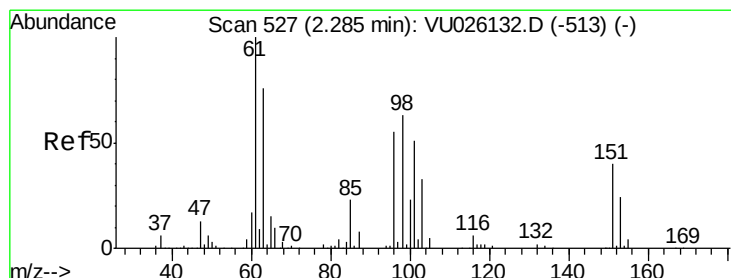
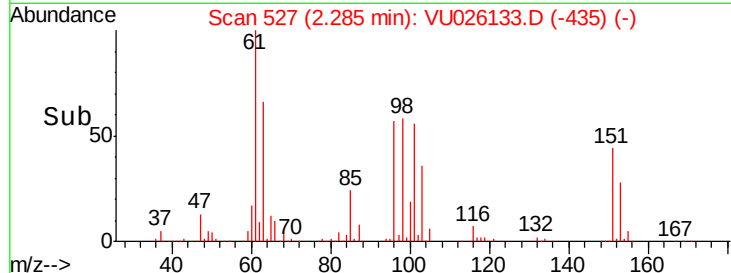
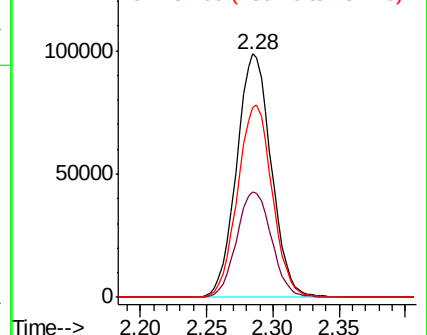
151 78.8 63.8 95.8



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: 99.775 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

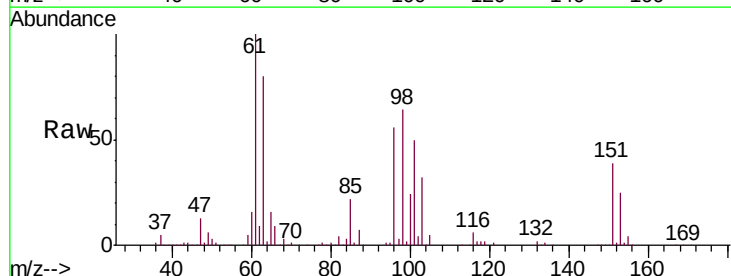
Tgt Ion: 96 Resp: 162538

Ion Ratio Lower Upper

96 100

61 178.0 126.8 235.4

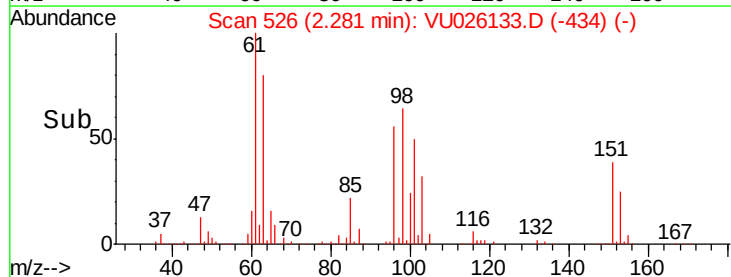
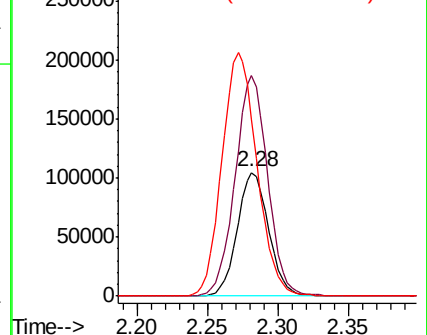
63 142.6 97.0 180.2

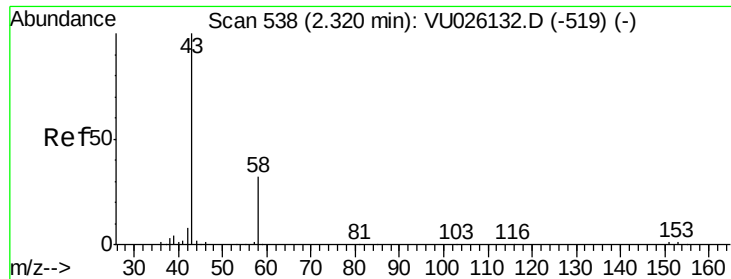


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 184.510 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

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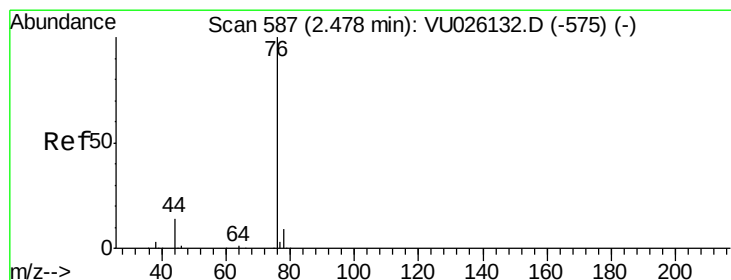
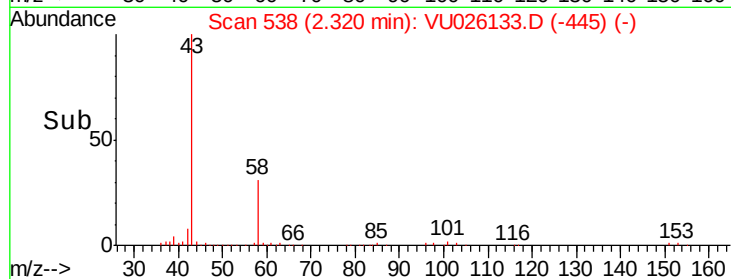
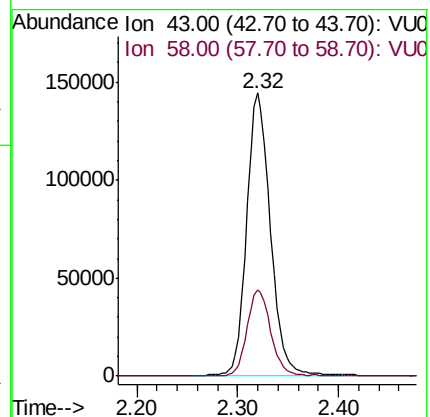
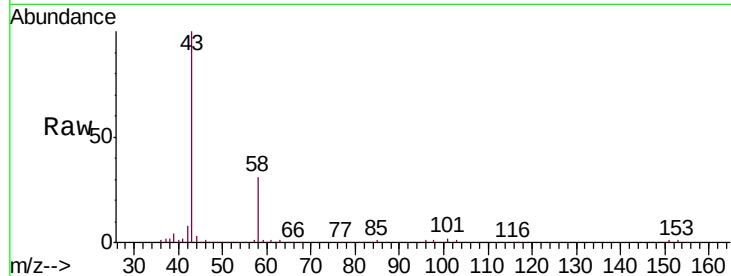
VSTD10063

Tgt Ion: 43 Resp: 234513

Ion Ratio Lower Upper

43 100

58 30.4 0.0 62.6



#14

Carbon disulfide

Concen: 98.731 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026133.D

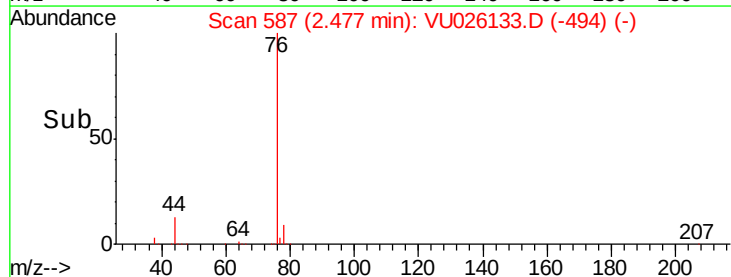
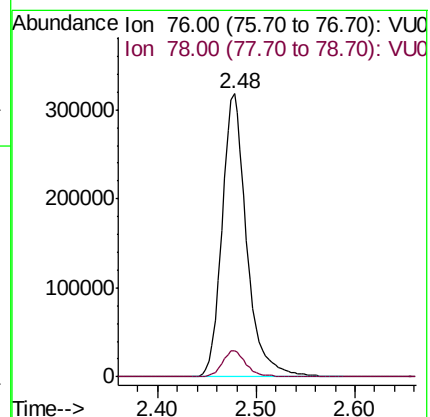
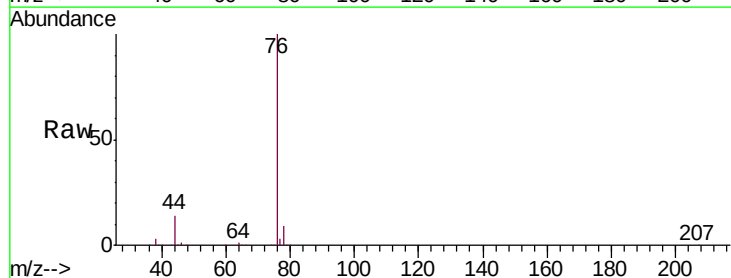
Acq: 15 Aug 2018 09:12

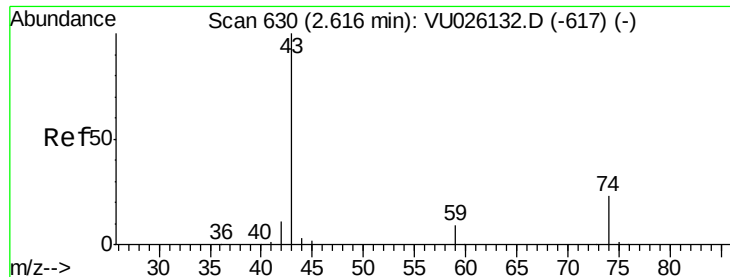
Tgt Ion: 76 Resp: 557720

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 99.209 ug/L

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

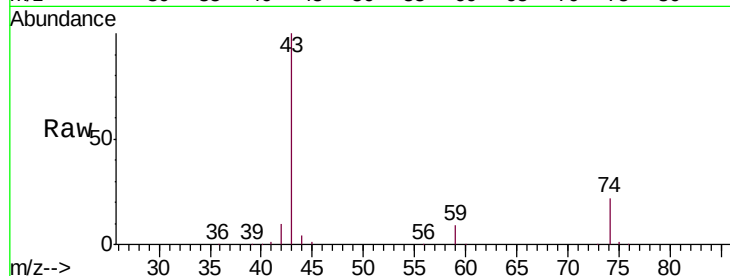
VSTD10063

Tgt Ion: 43 Resp: 218740

Ion Ratio Lower Upper

43 100

74 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU026133.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU026133.D (-537) (-)

150000

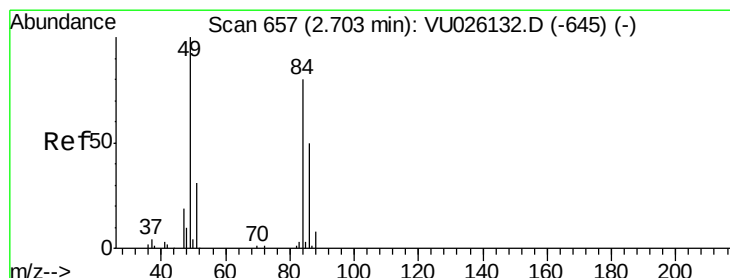
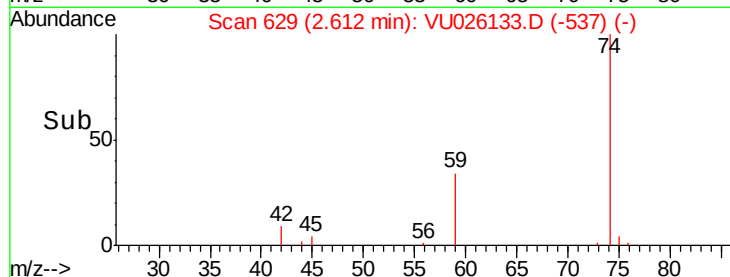
100000

50000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 96.317 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

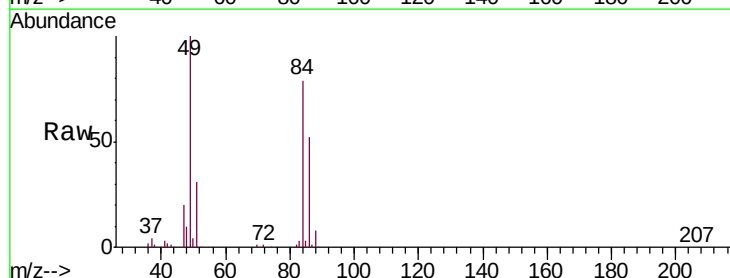
Tgt Ion: 84 Resp: 210191

Ion Ratio Lower Upper

84 100

86 65.3 44.0 81.6

49 125.8 87.7 162.9



Abundance Ion 84.00 (83.70 to 84.70): VU026133.D (-564) (-)

Ion 86.00 (85.70 to 86.70): VU026133.D (-564) (-)

Ion 49.00 (48.70 to 49.70): VU026133.D (-564) (-)

150000

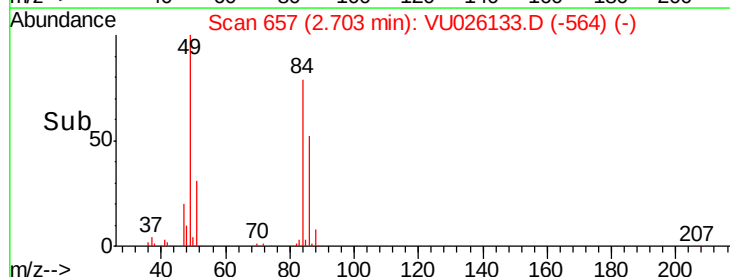
100000

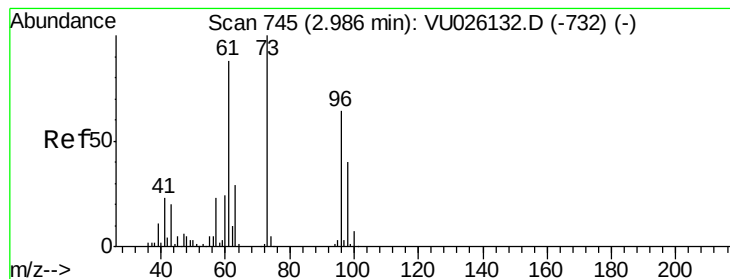
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 98.958 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10063

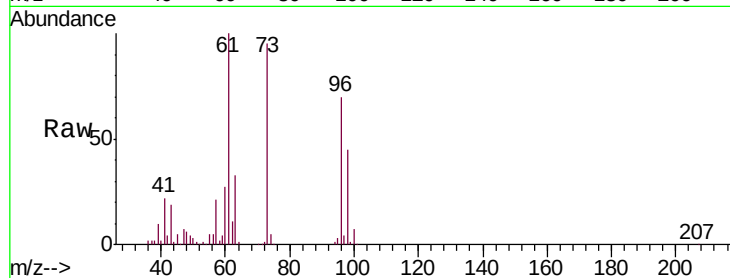
Tgt Ion: 96 Resp: 191230

Ion Ratio Lower Upper

96 100

61 142.7 96.7 179.5

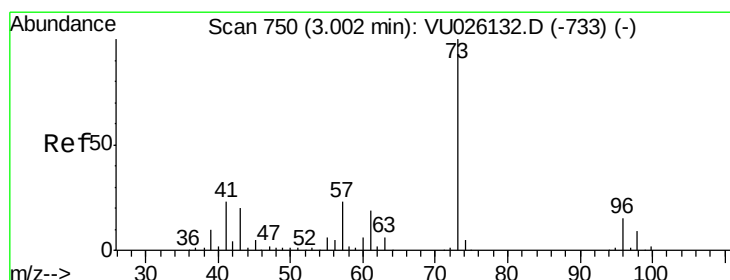
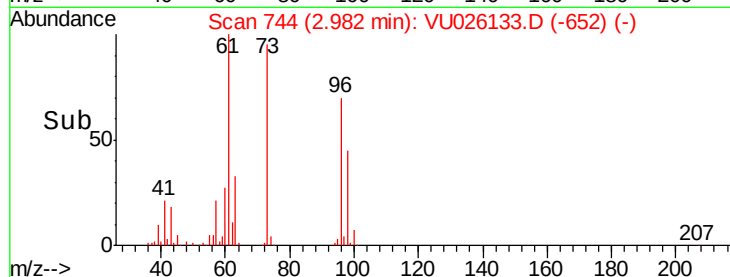
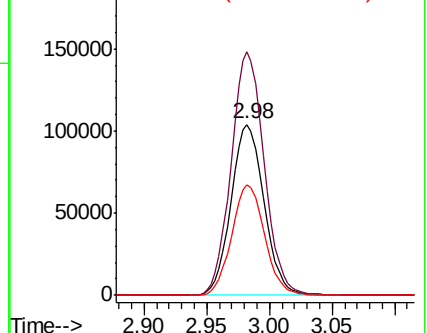
98 64.9 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 102.757 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

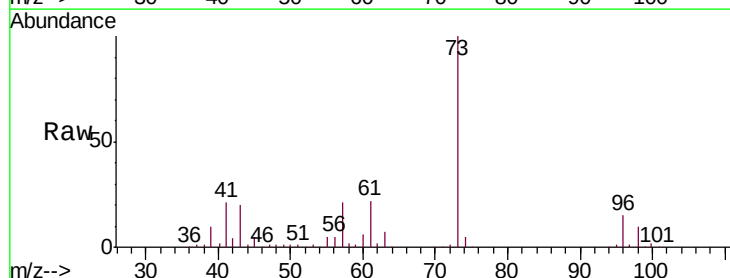
Tgt Ion: 73 Resp: 630309

Ion Ratio Lower Upper

73 100

43 19.7 16.2 24.4

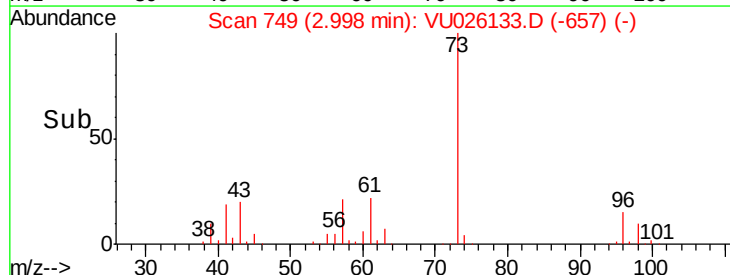
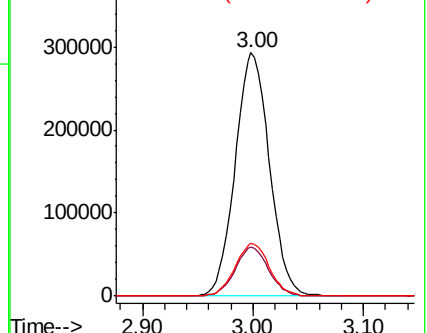
57 21.7 18.2 27.2

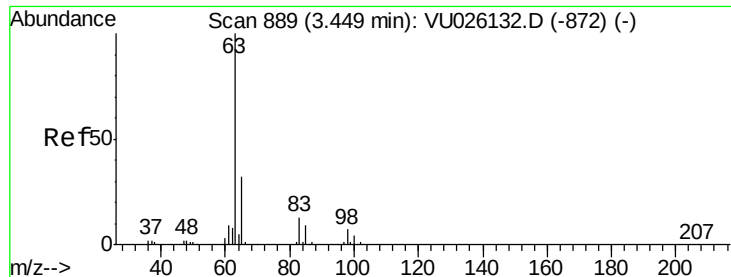


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

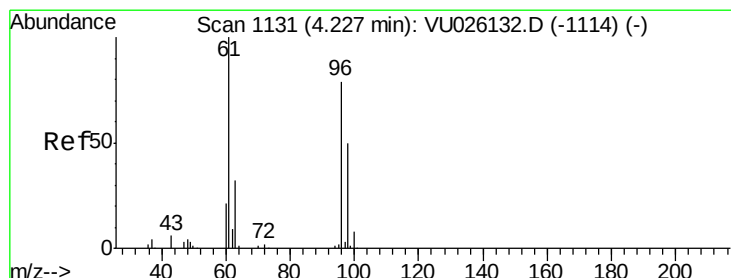
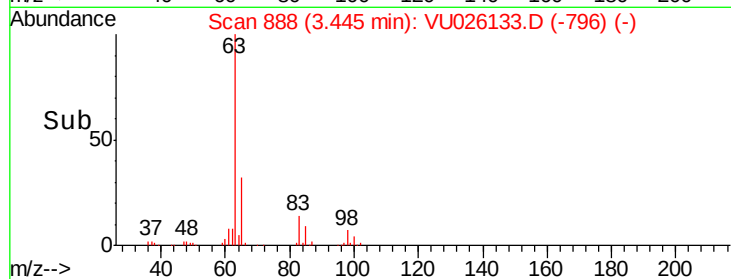
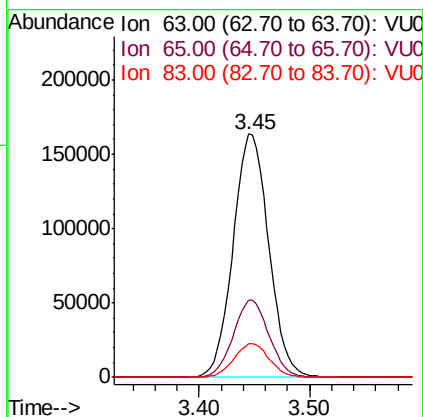
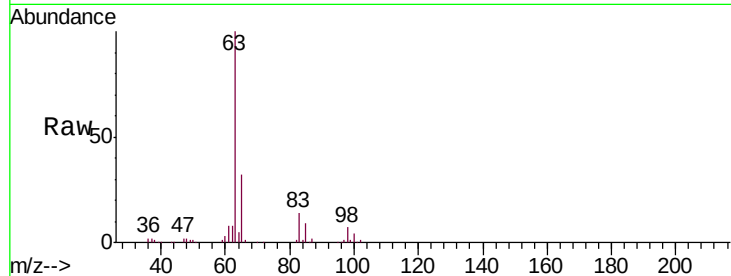




#19
 1,1-Dichloroethane
 Concen: 98.490 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

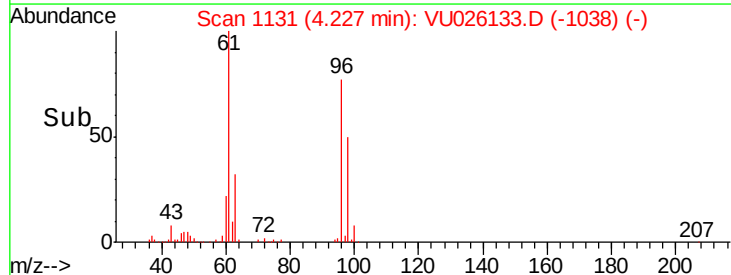
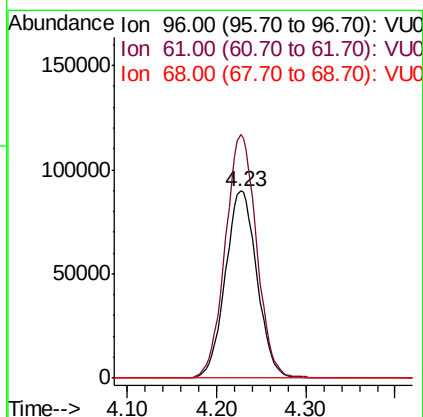
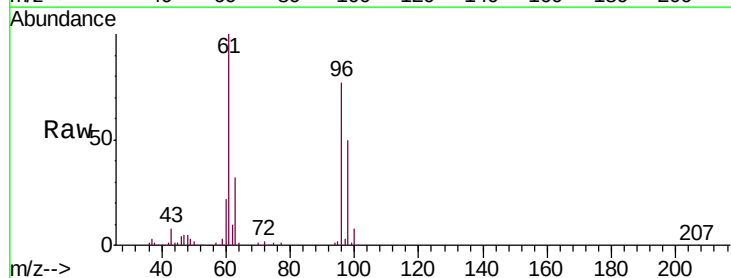
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

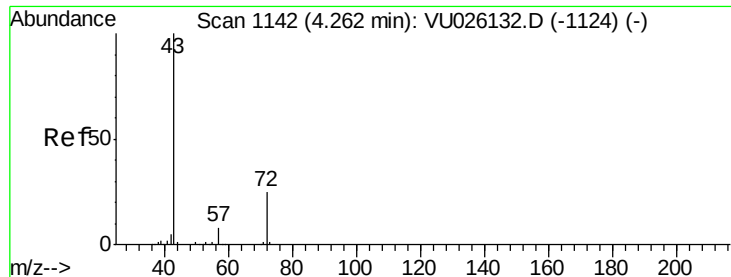
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.1	41.1
83	13.7	9.4	17.4



#20
 cis-1,2-Dichloroethene
 Concen: 101.993 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.1	88.6	164.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 203.029 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

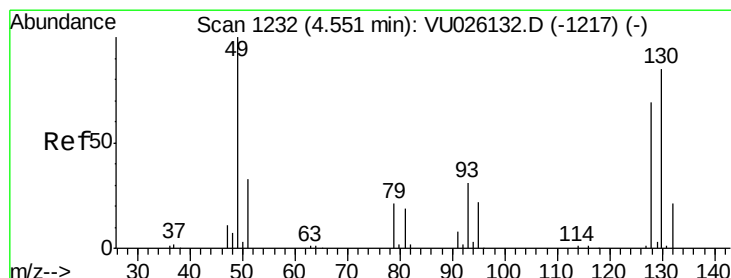
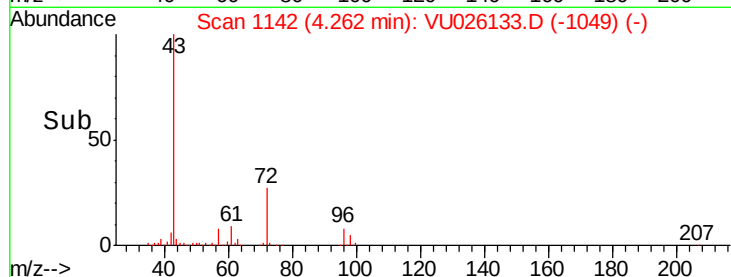
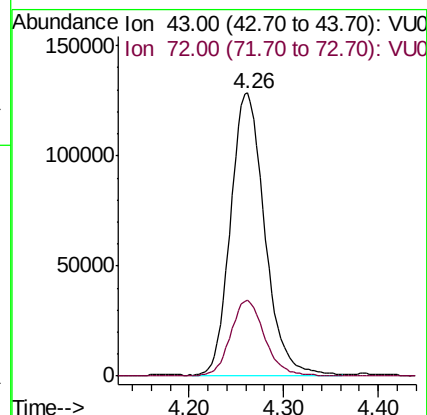
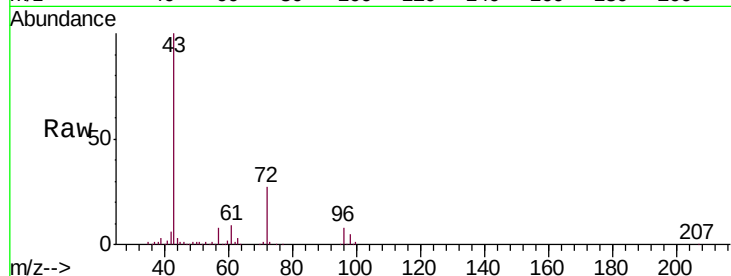
VSTD10063

Tgt Ion: 43 Resp: 321492

Ion Ratio Lower Upper

43 100

72 27.1 13.4 40.1



#23

Bromochloromethane

Concen: 99.921 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Tgt Ion: 128 Resp: 117026

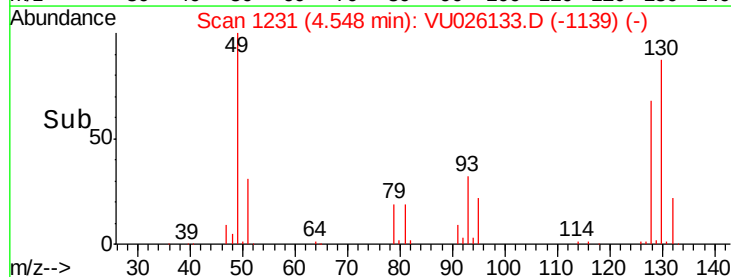
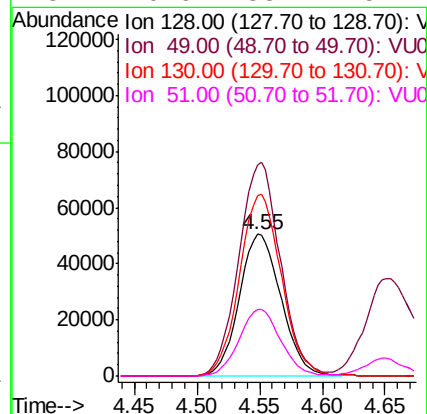
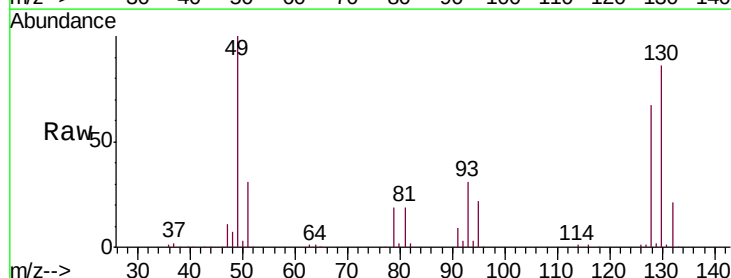
Ion Ratio Lower Upper

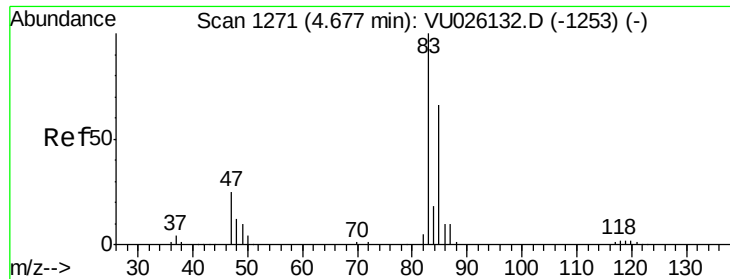
128 100

49 149.3 101.3 188.1

130 127.7 86.4 160.4

51 46.9 38.1 57.1

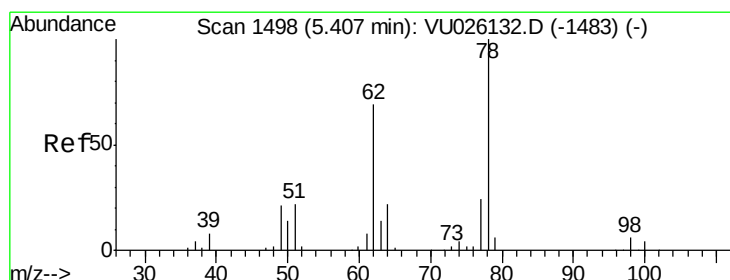
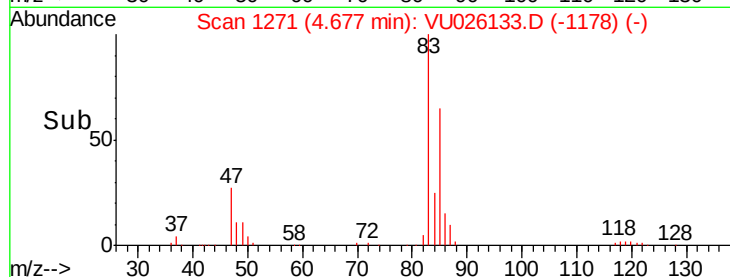
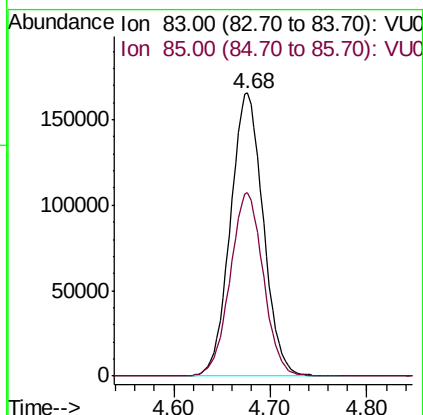
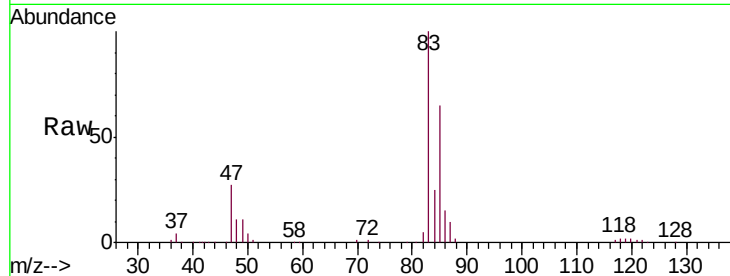




#25
Chloroform
Concen: 99.829 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026133.D
Acq: 15 Aug 2018 09:12

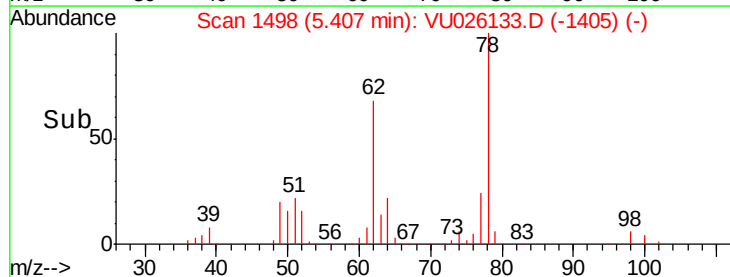
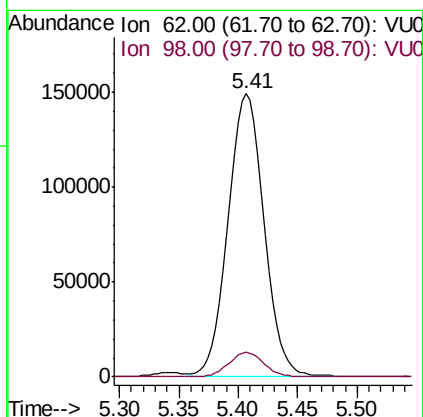
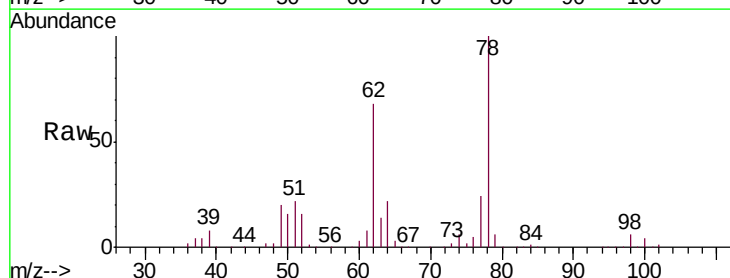
Instrument :
MSVOA_U
ClientSampleId :
VSTD10063

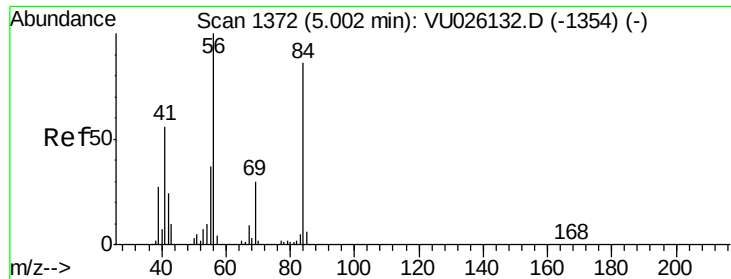
Tgt Ion: 83 Resp: 389893
Ion Ratio Lower Upper
83 100
85 65.0 46.3 86.1



#27
1,2-Dichloroethane
Concen: 98.975 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026133.D
Acq: 15 Aug 2018 09:12

Tgt Ion: 62 Resp: 312537
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.4

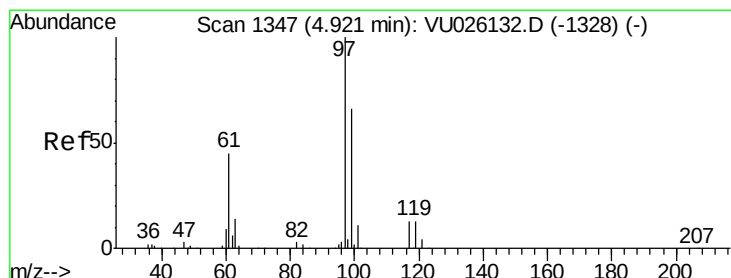
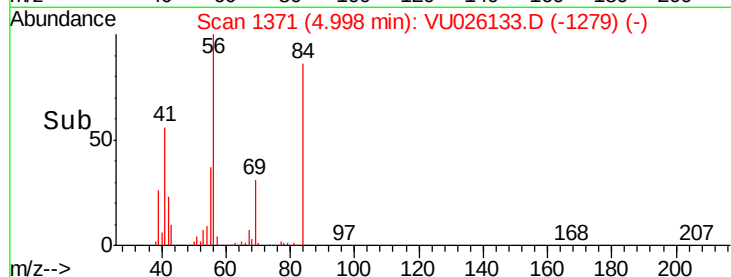
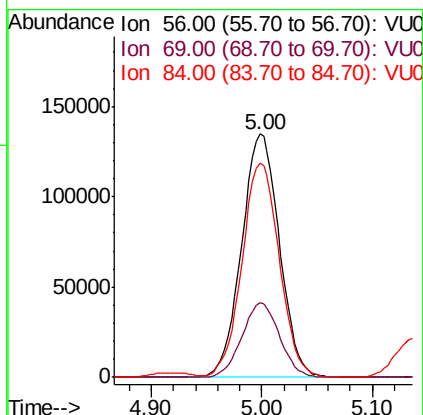
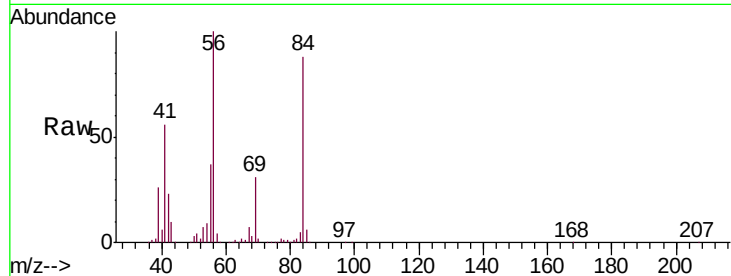




#29
Cyclohexane
Concen: 106.404 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026133.D
Acq: 15 Aug 2018 09:12

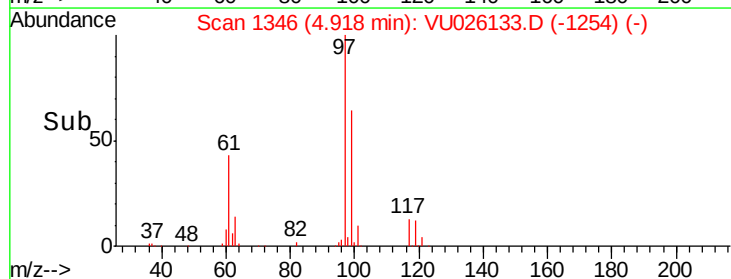
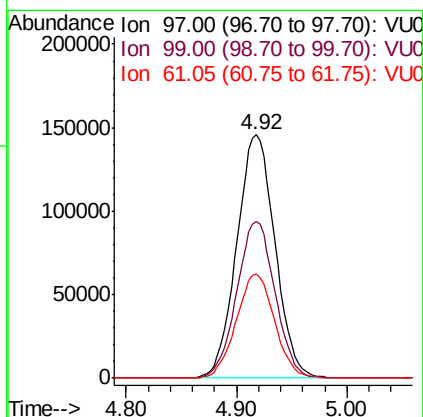
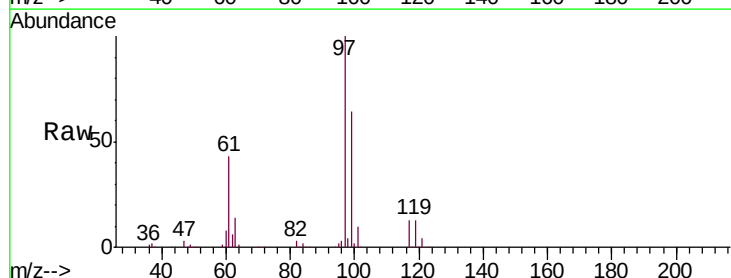
Instrument :
MSVOA_U
ClientSampleId :
VSTD10063

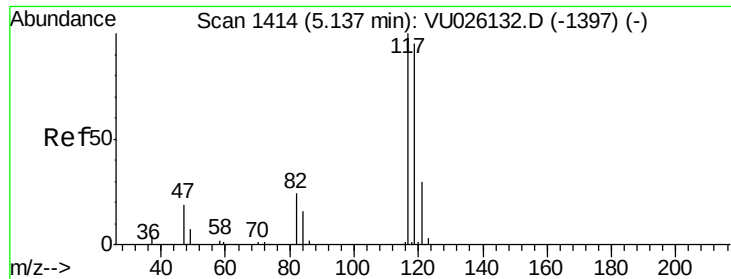
Tgt Ion: 56 Resp: 320244
Ion Ratio Lower Upper
56 100
69 30.6 24.1 36.1
84 87.3 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 97.495 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026133.D
Acq: 15 Aug 2018 09:12

Tgt Ion: 97 Resp: 350872
Ion Ratio Lower Upper
97 100
99 64.3 52.2 78.2
61 42.8 35.4 53.0





#31

Carbon tetrachloride

Concen: 99.422 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

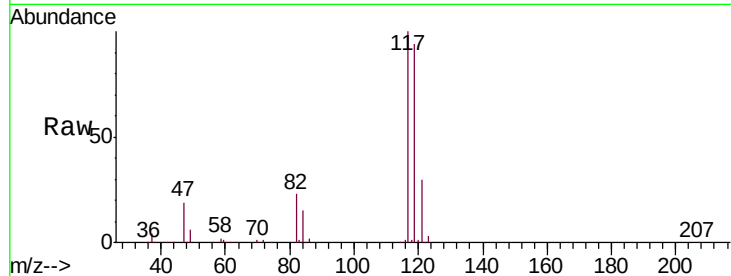
VSTD10063

Tgt Ion:117 Resp: 324162

Ion Ratio Lower Upper

117 100

119 95.4 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

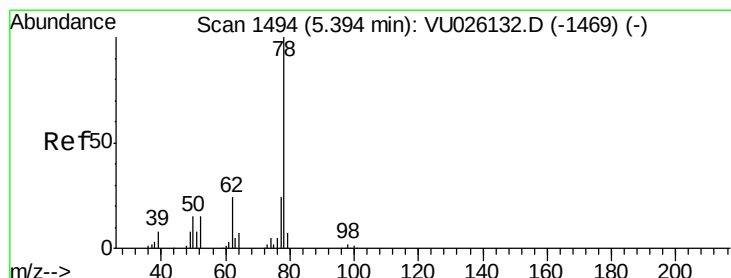
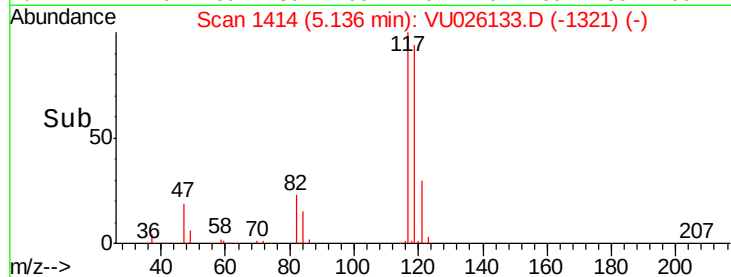
100000

50000

0

5.10 5.20

Time-->



#33

Benzene

Concen: 99.613 ug/L

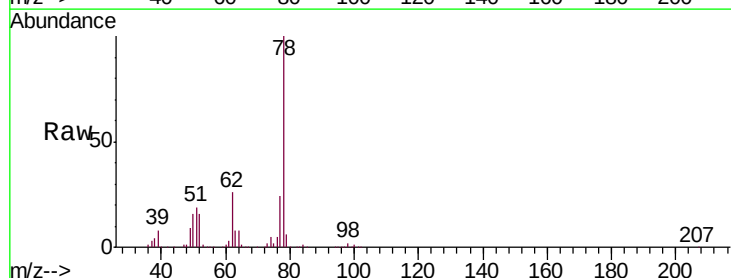
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Tgt Ion: 78 Resp: 812450



Abundance Ion 78.00 (77.70 to 78.70): VU0

400000

300000

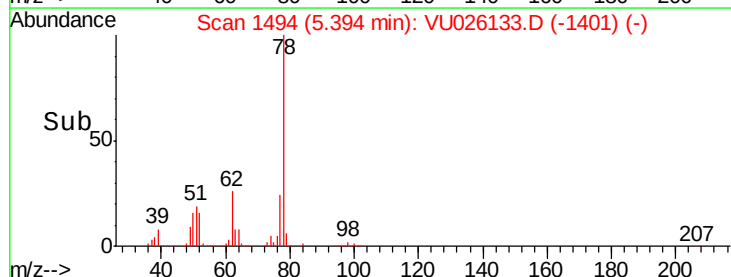
200000

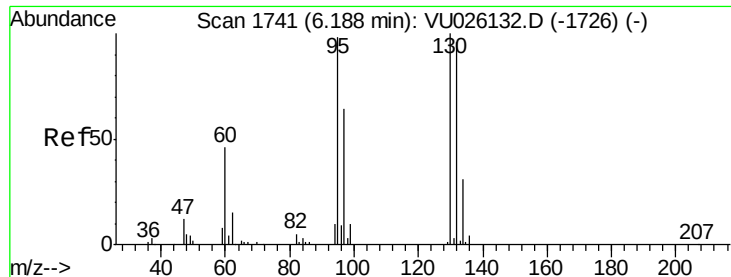
100000

0

5.30 5.40 5.50

Time-->





#34

Trichloroethene

Concen: 99.120 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10063

Tgt Ion: 95 Resp: 210604

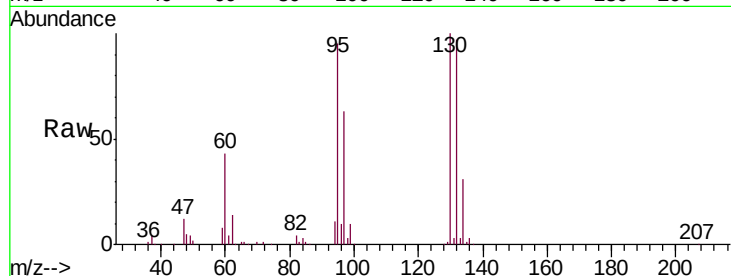
Ion Ratio Lower Upper

95 100

97 66.6 45.7 84.9

132 102.3 68.8 127.8

130 105.1 71.5 132.7

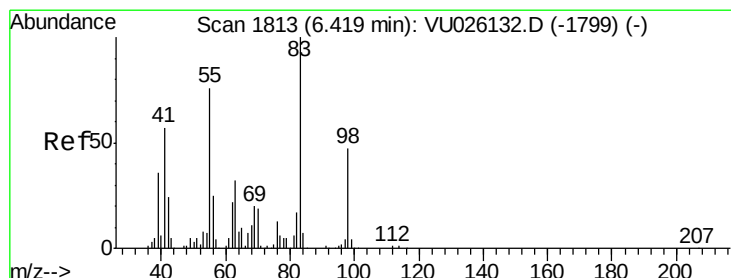
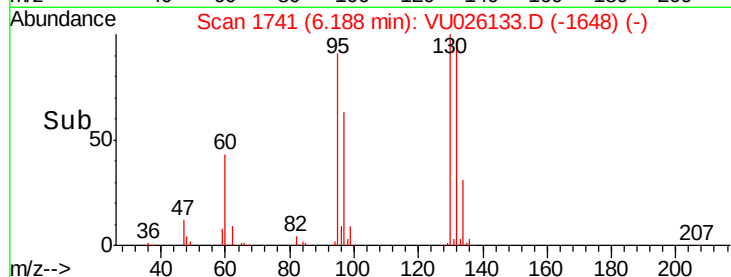
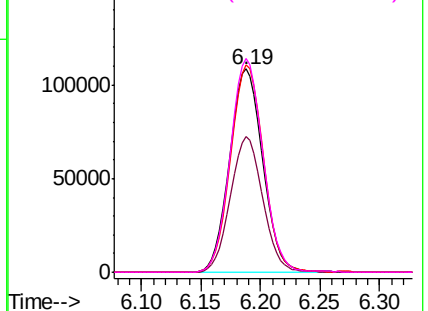


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 105.544 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

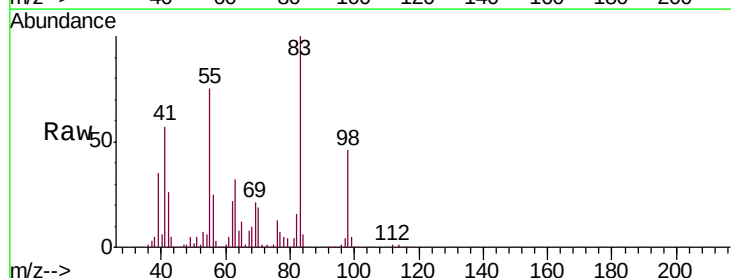
Tgt Ion: 83 Resp: 336634

Ion Ratio Lower Upper

83 100

55 77.0 61.0 91.6

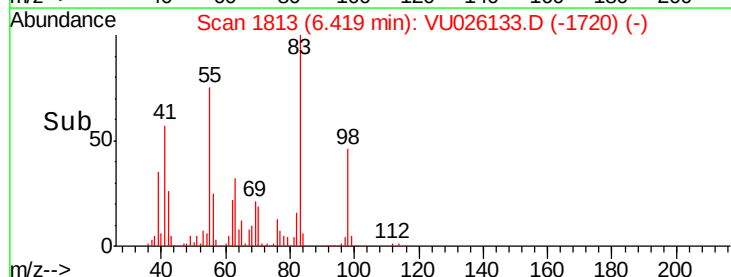
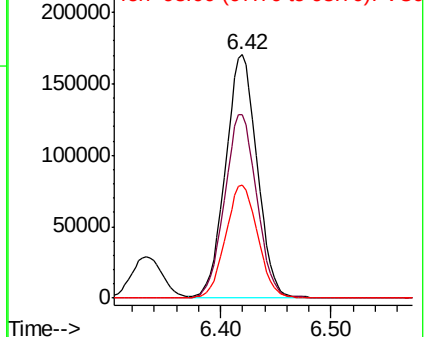
98 47.4 37.6 56.4

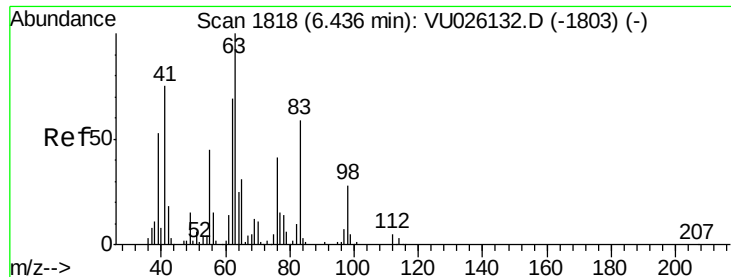


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

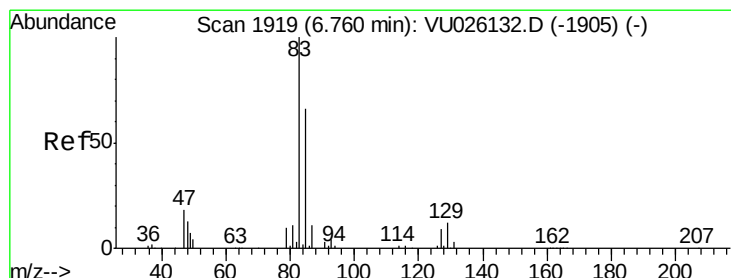
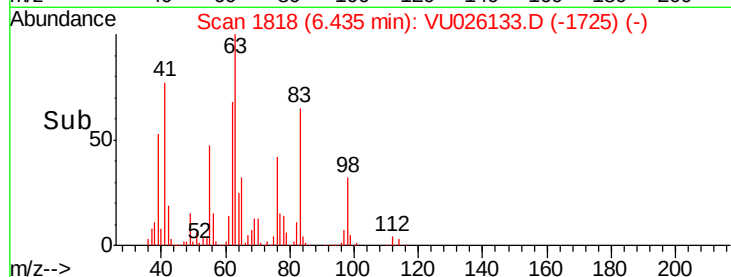
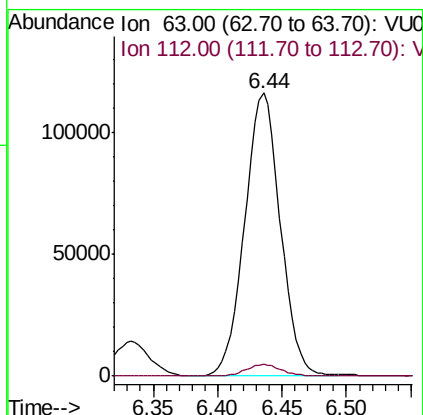
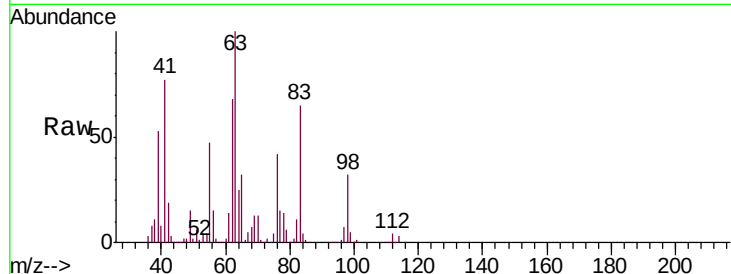




#37
 1,2-Dichloropropane
 Concen: 98.370 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

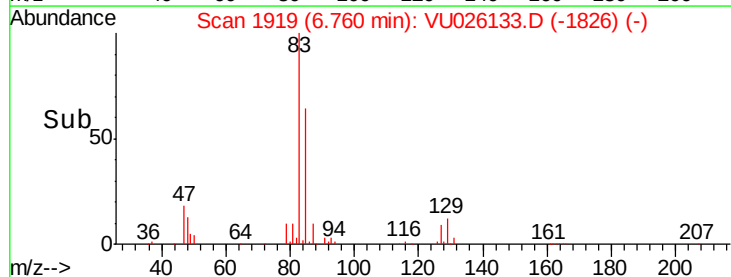
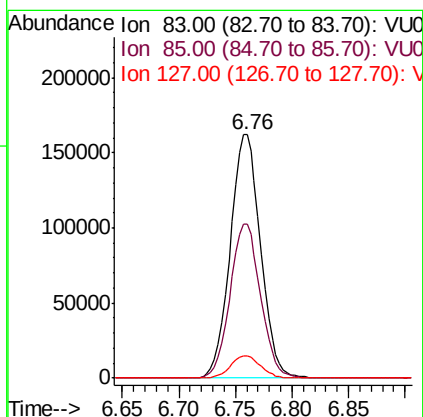
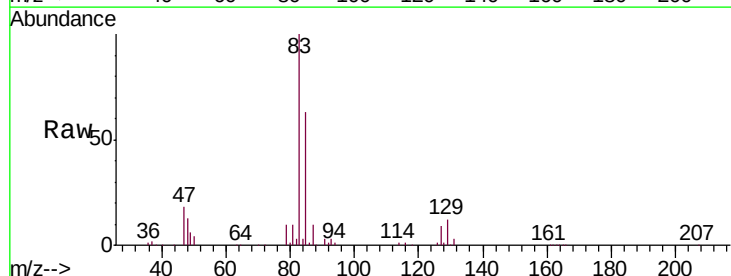
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

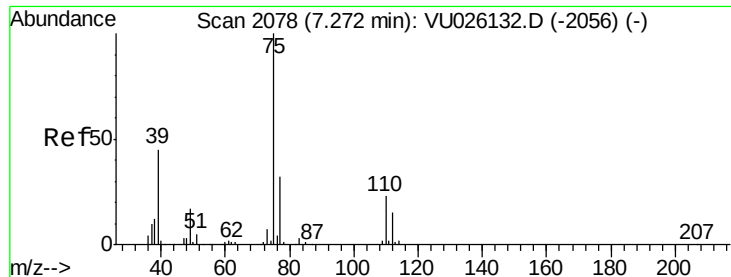
Tgt Ion: 63 Resp: 224072
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 100.127 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion: 83 Resp: 301972
 Ion Ratio Lower Upper
 83 100
 85 63.4 46.0 85.4
 127 9.3 7.5 11.3



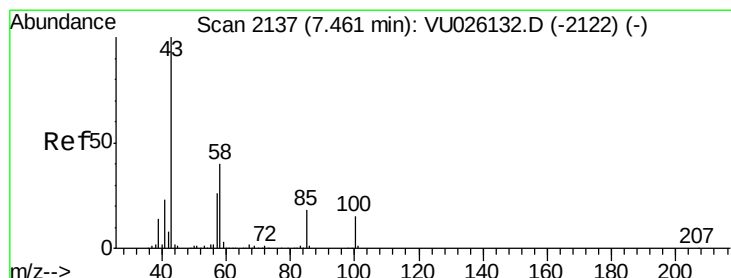
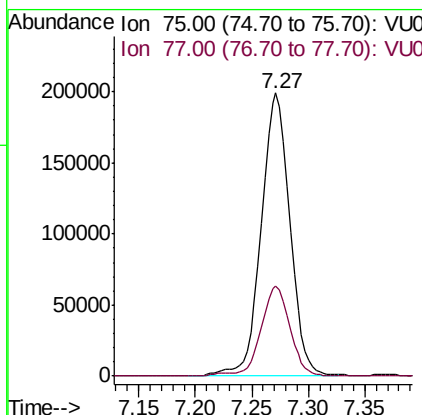
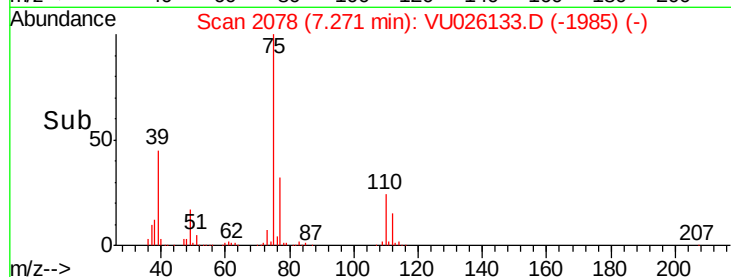
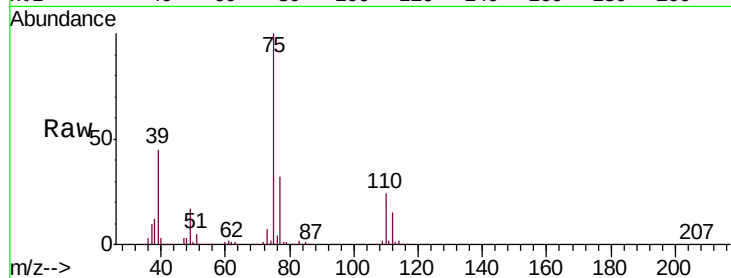


#39

cis-1,3-Dichloropropene
 Concen: 104.046 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

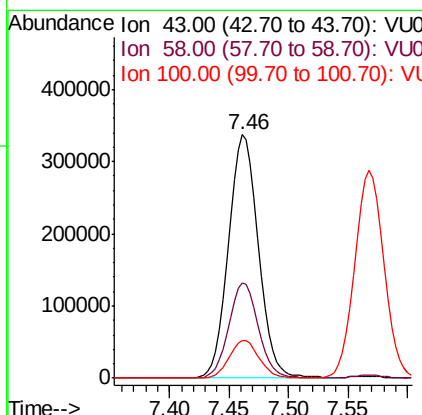
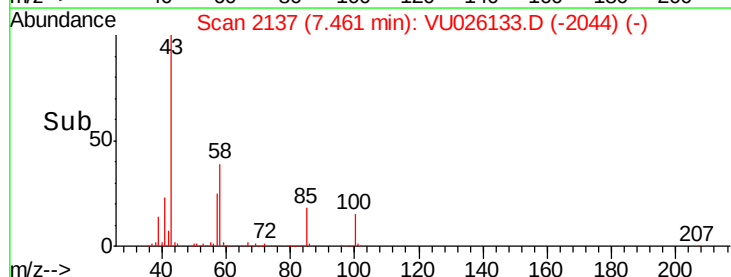
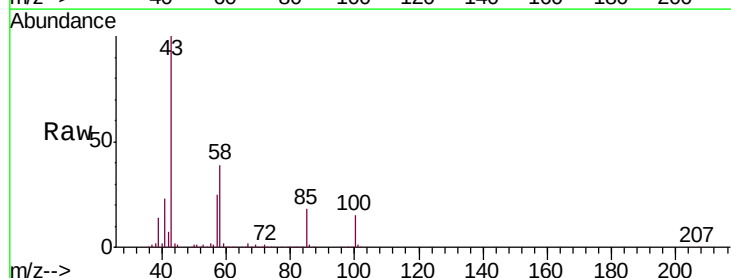
Tgt Ion: 75 Resp: 351819
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2

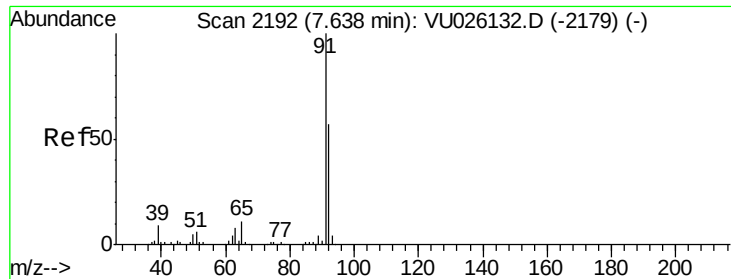


#40

4-Methyl-2-pentanone
 Concen: 208.206 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion: 43 Resp: 588321
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.8 47.8
 100 15.3 12.2 18.2





#42

Toluene

Concen: 102.316 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

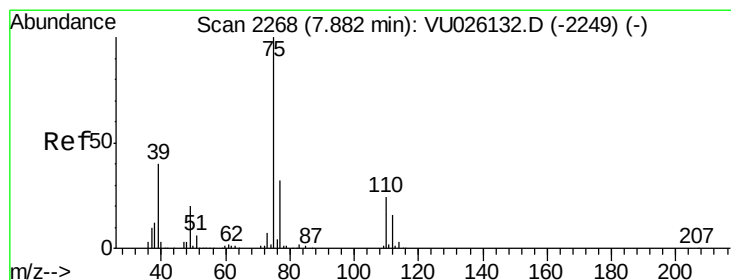
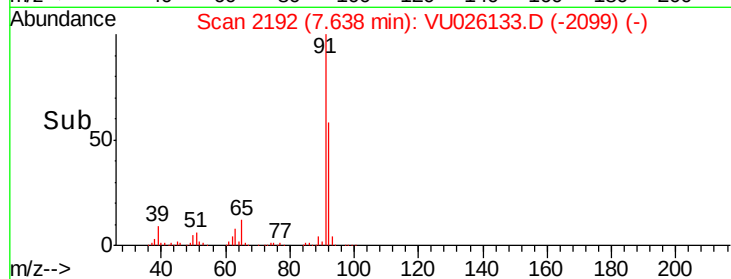
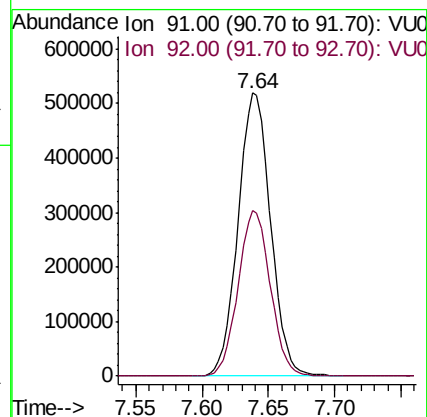
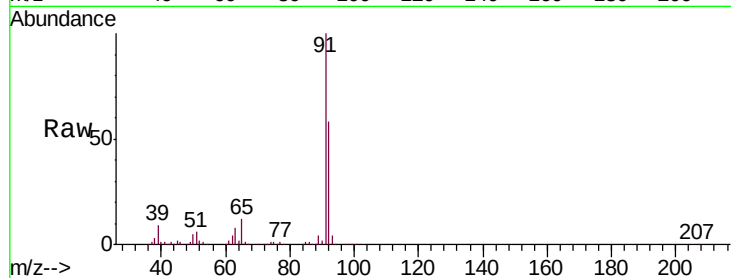
VSTD10063

Tgt Ion: 91 Resp: 886231

Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 103.670 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026133.D

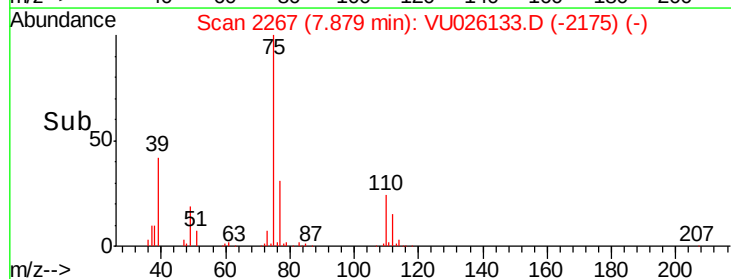
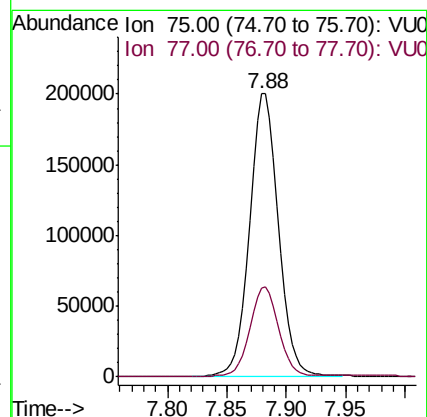
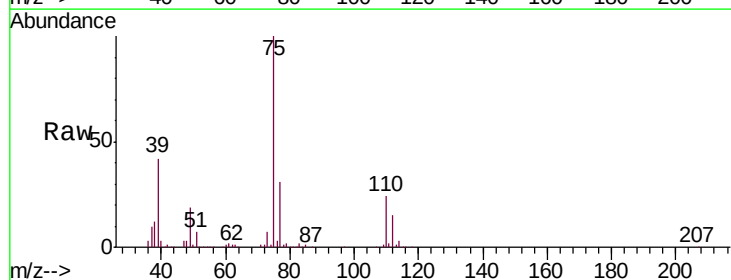
Acq: 15 Aug 2018 09:12

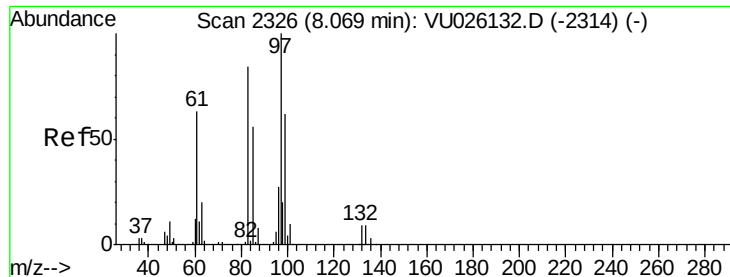
Tgt Ion: 75 Resp: 337769

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0

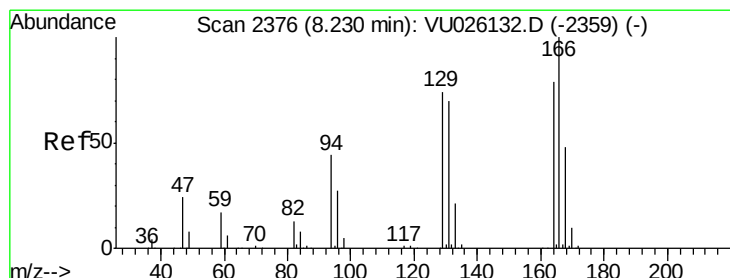
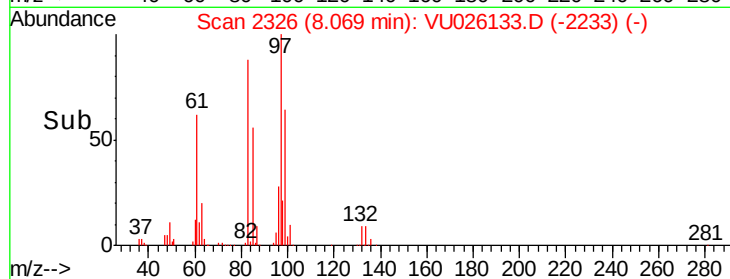
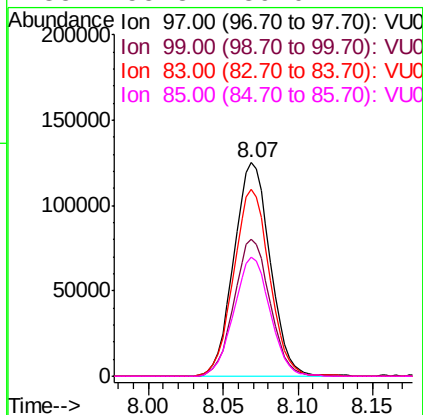
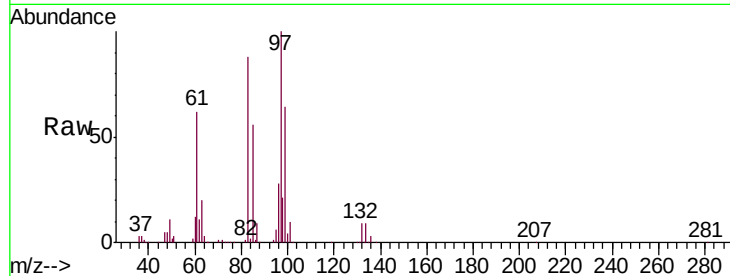




#45
 1,1,2-Trichloroethane
 Concen: 98.136 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

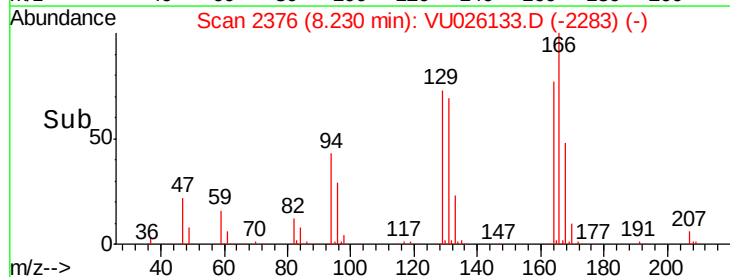
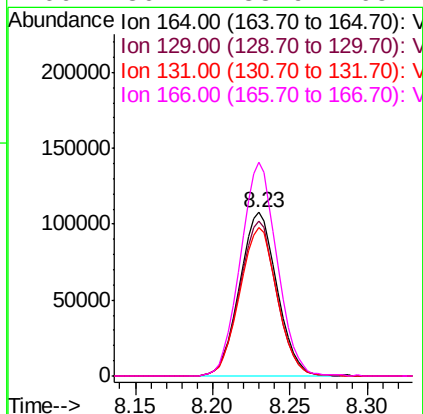
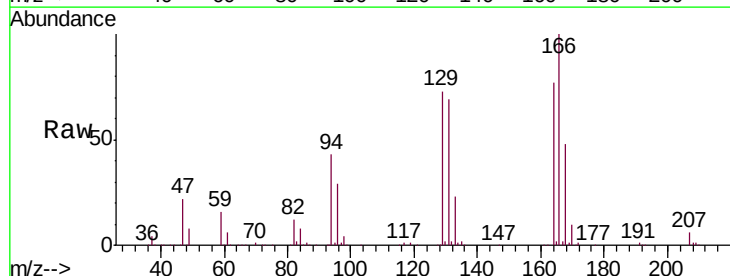
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

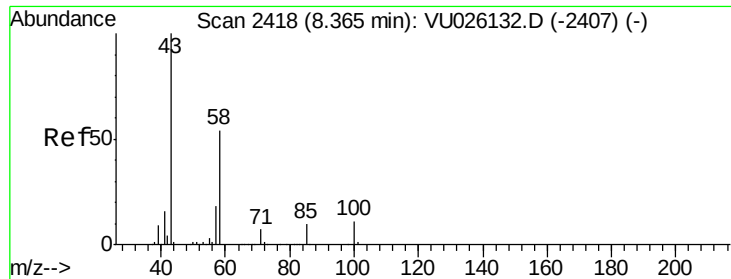
Tgt Ion:	97	Resp:	211949
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.3	80.5
83	87.7	58.4	108.6
85	55.8	39.0	72.4



#46
 Tetrachloroethene
 Concen: 98.835 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion:	164	Resp:	181107
Ion	Ratio	Lower	Upper
164	100		
129	94.9	65.7	121.9
131	90.7	62.0	115.2
166	130.7	88.9	165.1

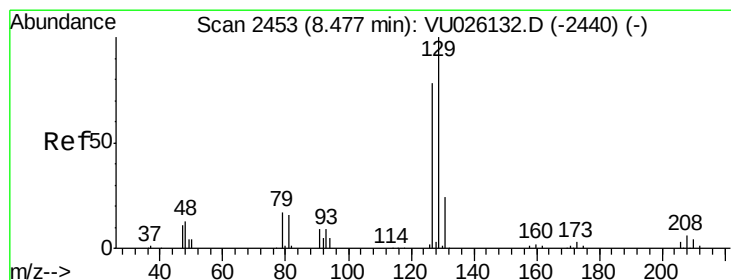
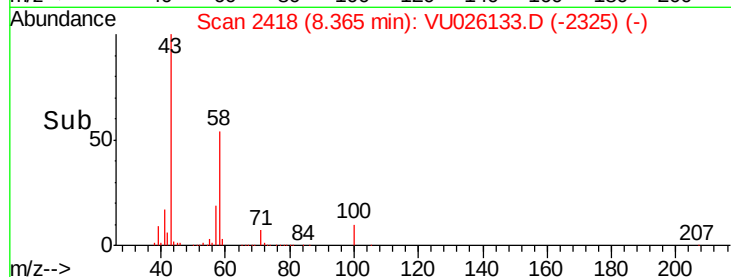
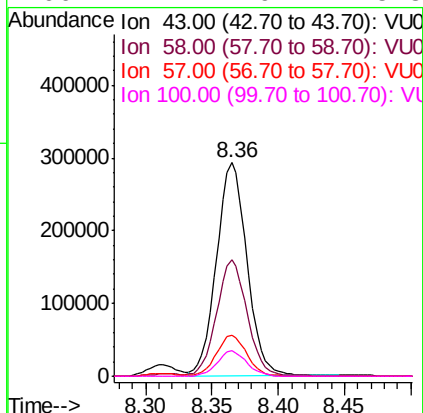
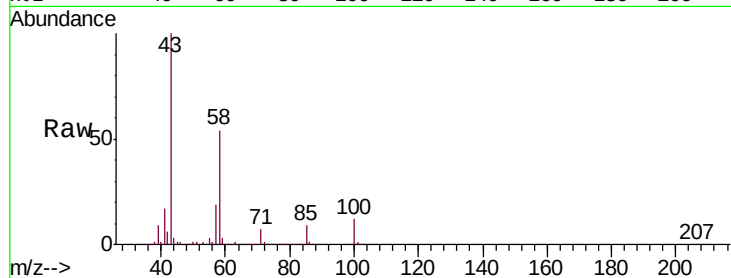




#48
 2-Hexanone
 Concen: 211.806 ug/L
 RT: 8.36 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

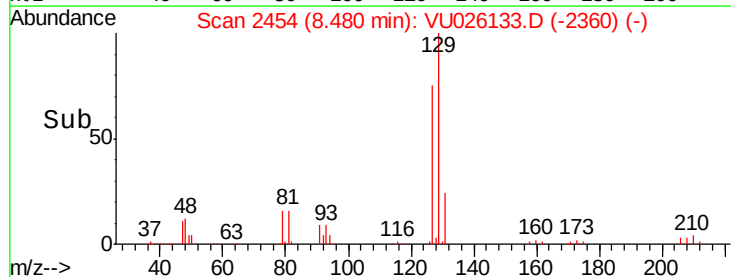
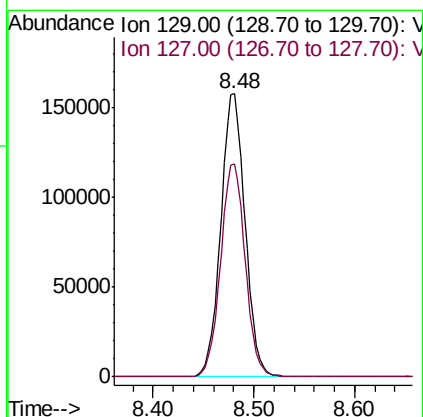
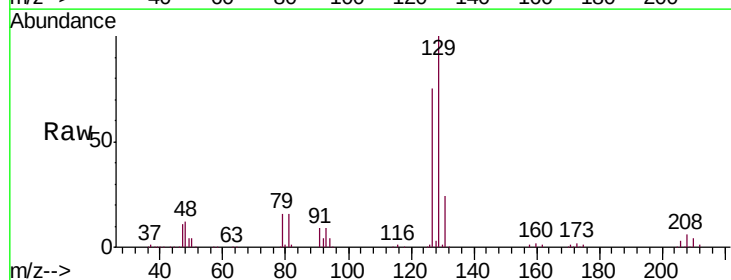
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

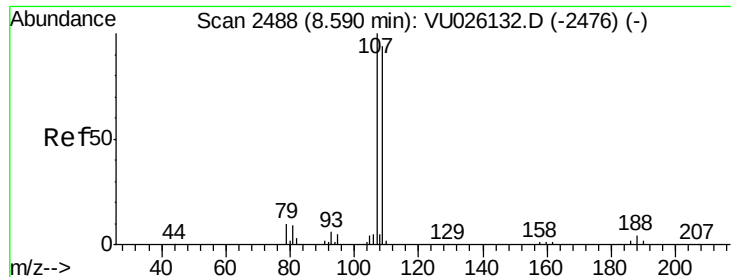
Tgt Ion:	43	Resp:	468932
Ion	Ratio	Lower	Upper
43	100		
58	54.1	42.9	64.3
57	19.0	15.1	22.7
100	11.4	9.2	13.8



#49
 Dibromochloromethane
 Concen: 102.514 ug/L
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion:	129	Resp:	266653
Ion	Ratio	Lower	Upper
129	100		
127	75.3	54.6	101.4

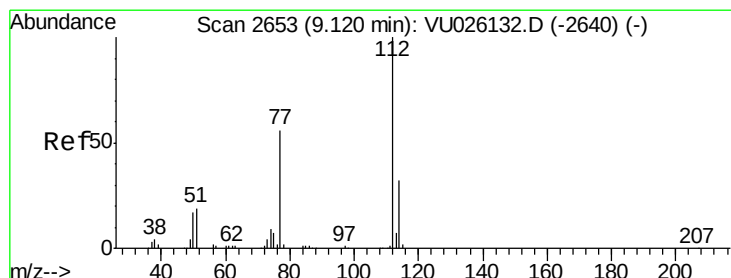
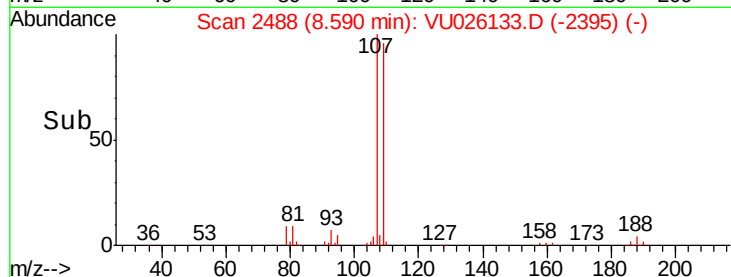
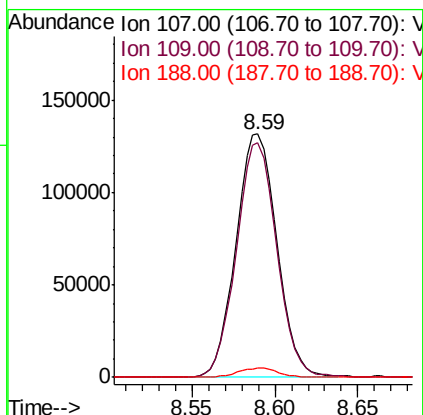
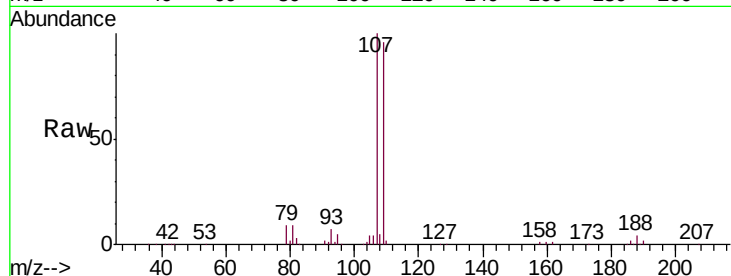




#50
 1,2-Dibromoethane
 Concen: 100.997 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

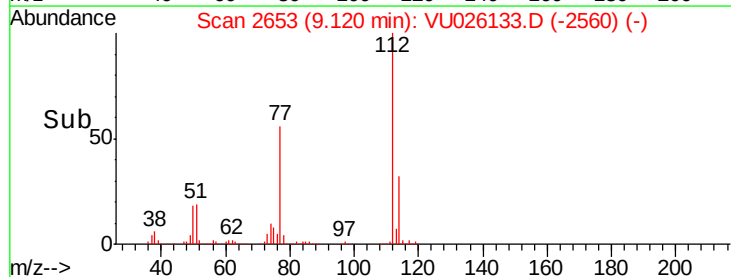
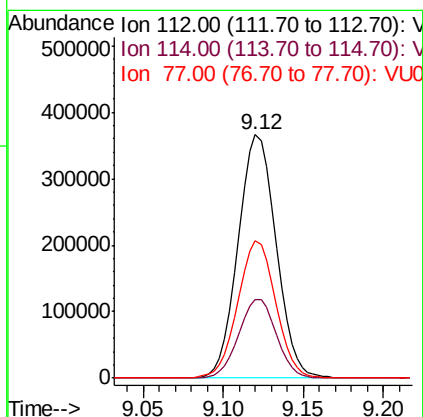
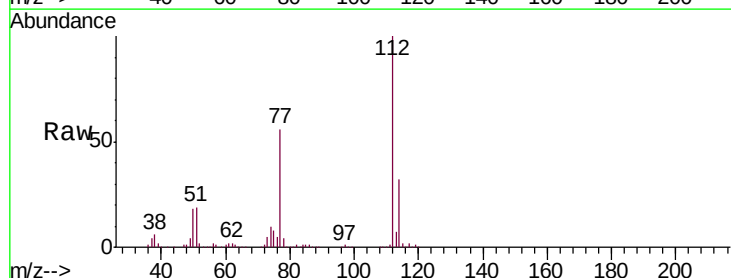
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

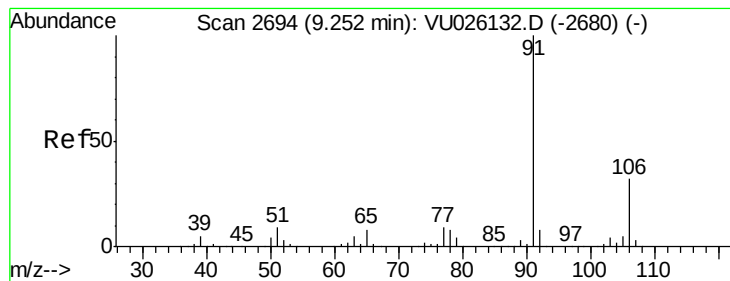
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.4	66.1	122.7
188	3.7	3.2	4.8



#51
 Chlorobenzene
 Concen: 100.122 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.5	41.9
77	56.2	45.0	67.4





#52

Ethylbenzene

Concen: 105.705 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

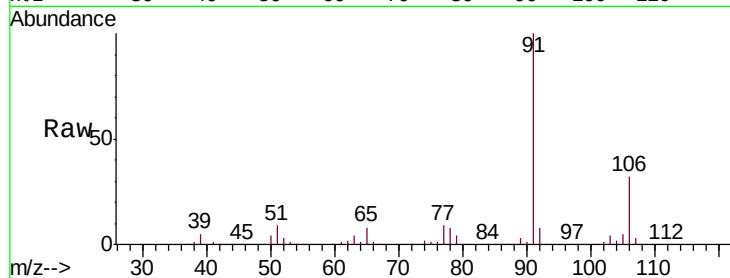
VSTD10063

Tgt Ion: 91 Resp: 997361

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU026133.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU026133.D (-2680) (-)

9.25

600000

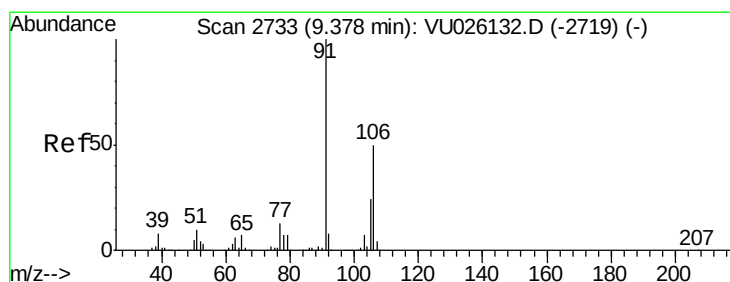
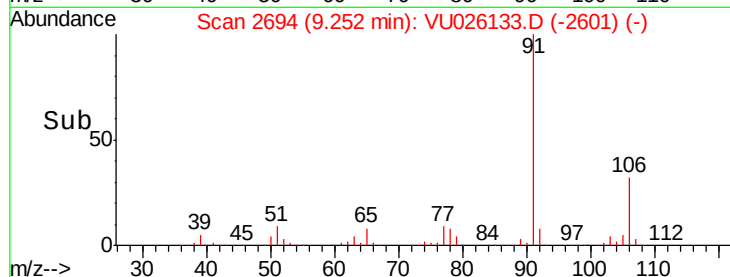
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 107.372 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026133.D

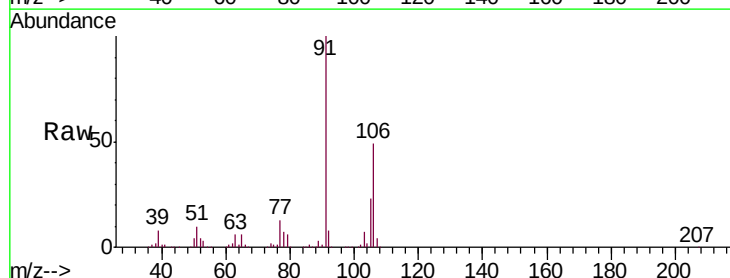
Acq: 15 Aug 2018 09:12

Tgt Ion: 106 Resp: 390405

Ion Ratio Lower Upper

106 100

91 203.9 139.2 258.4



Abundance Ion 106.00 (105.70 to 106.70): VU026133.D (-2719) (-)

Ion 91.00 (90.70 to 91.70): VU026133.D (-2719) (-)

9.38

600000

500000

400000

300000

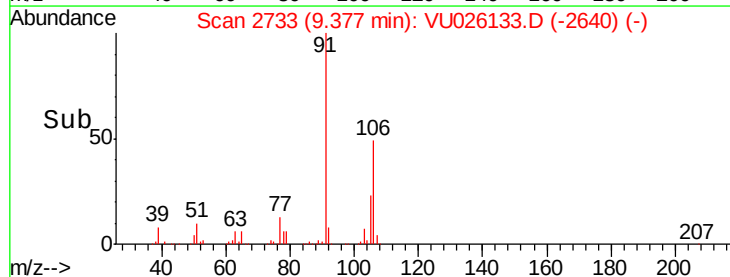
200000

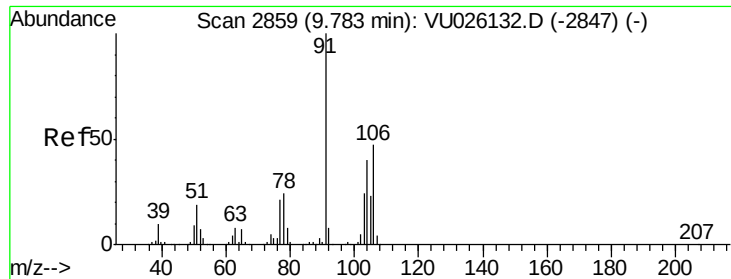
100000

0

9.30 9.35 9.40 9.45 9.50

Time-->





#54

o-xylene

Concen: 106.564 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

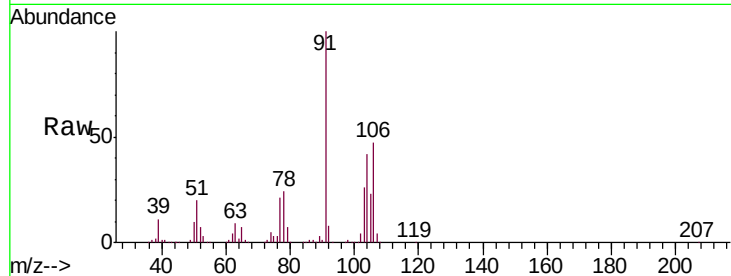
VSTD10063

Tgt Ion:106 Resp: 386635

Ion Ratio Lower Upper

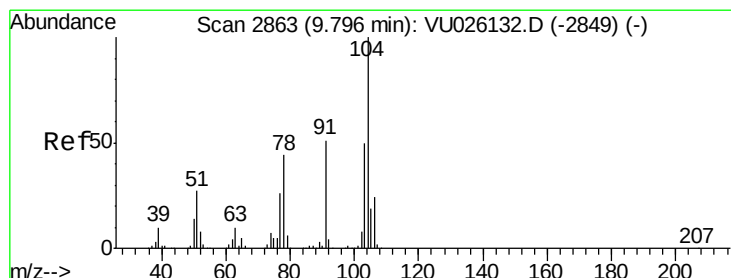
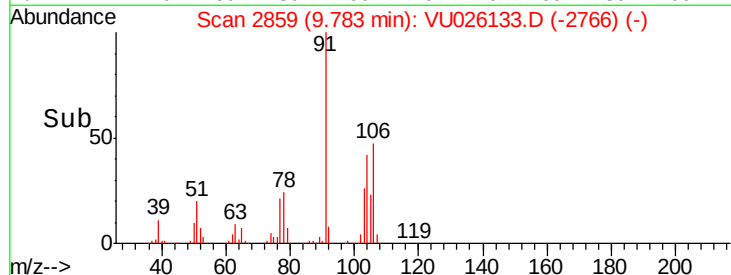
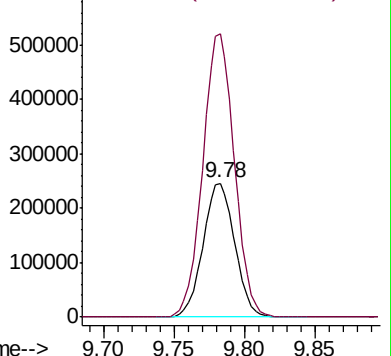
106 100

91 211.4 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 110.439 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026133.D

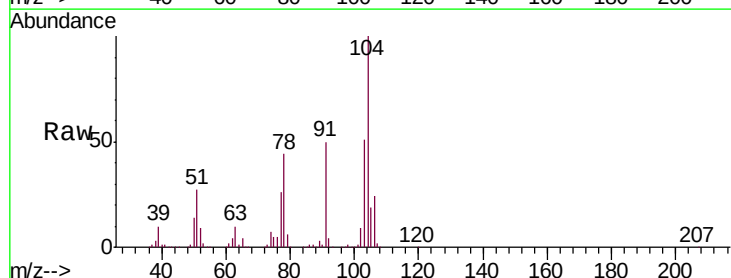
Acq: 15 Aug 2018 09:12

Tgt Ion:104 Resp: 667150

Ion Ratio Lower Upper

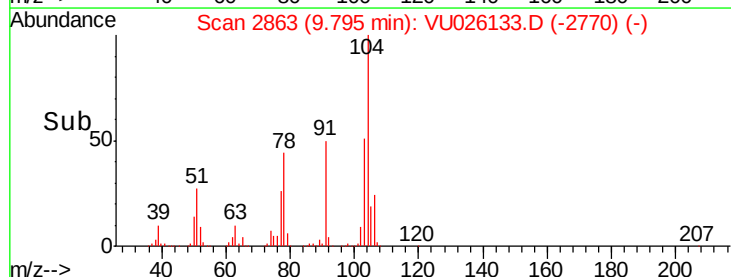
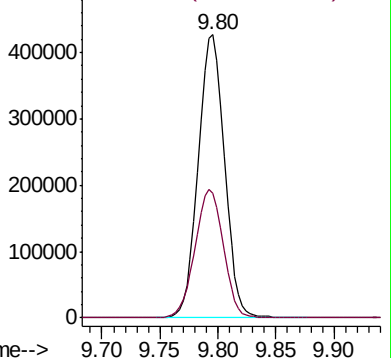
104 100

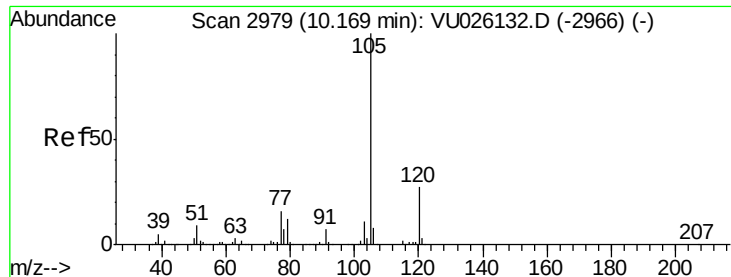
78 44.1 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 108.941 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10063

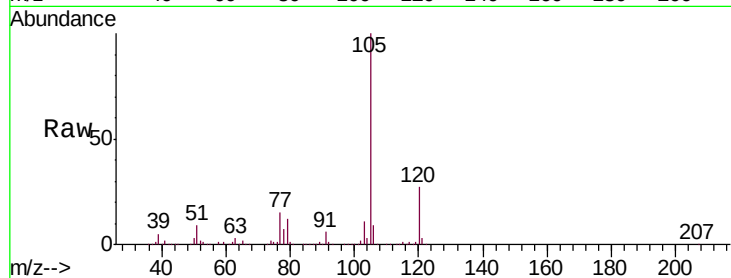
Tgt Ion:105 Resp: 1014787

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

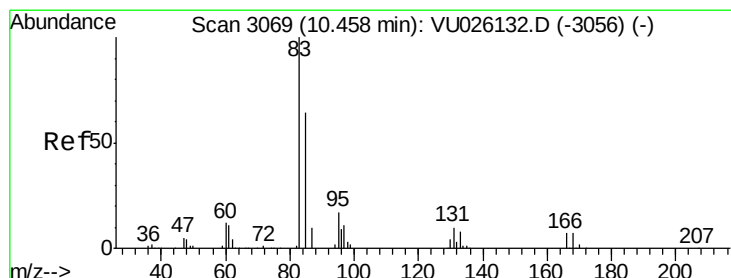
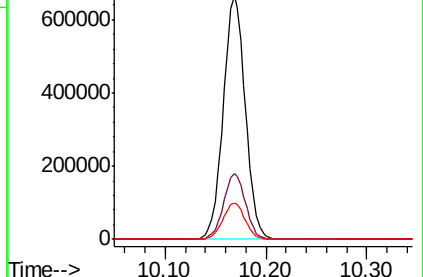
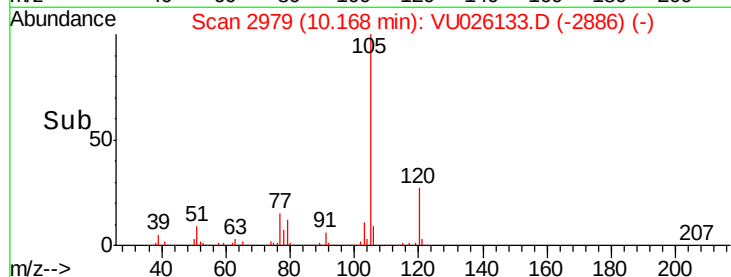
77 15.3 12.3 18.5



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: 100.914 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

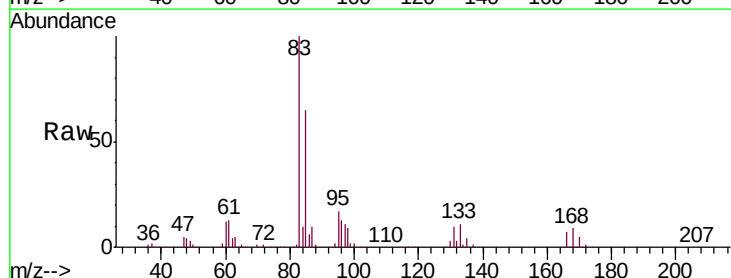
Tgt Ion: 83 Resp: 363969

Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6

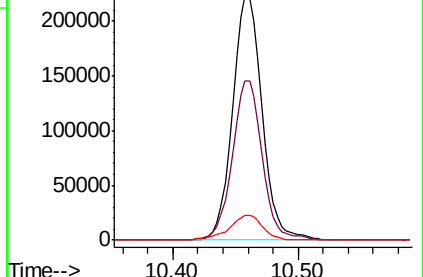
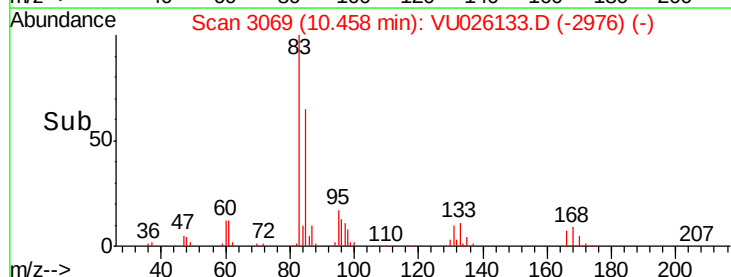
131 10.2 8.4 12.6

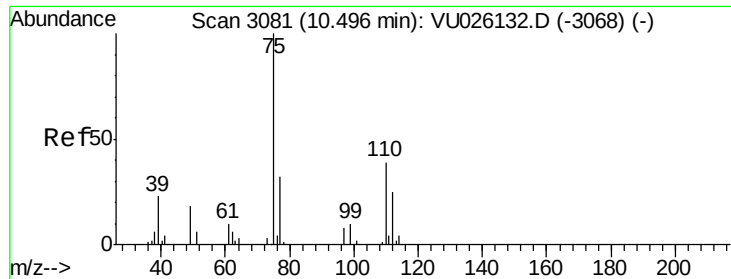


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

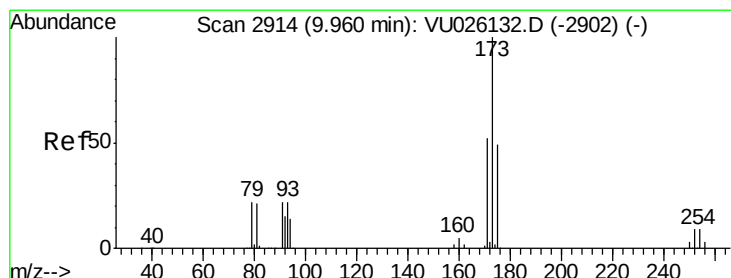
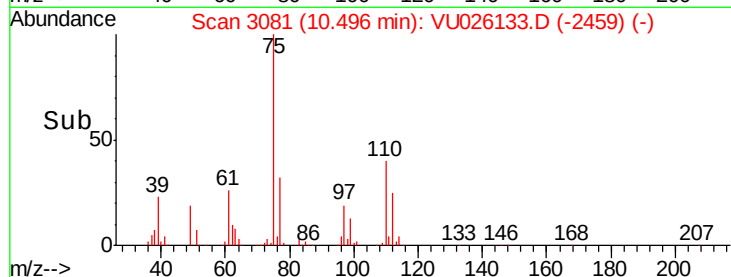
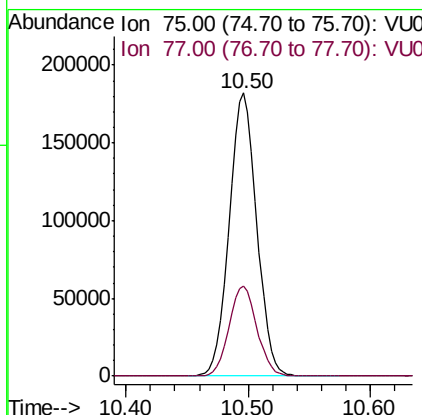
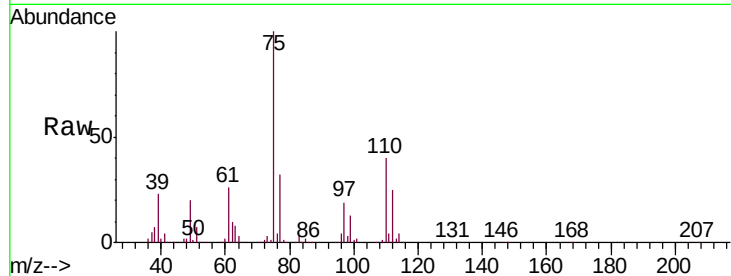




#59
 1,2,3-Trichloropropane
 Concen: 101.947 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

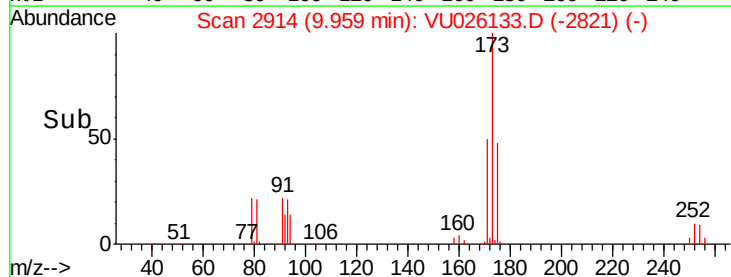
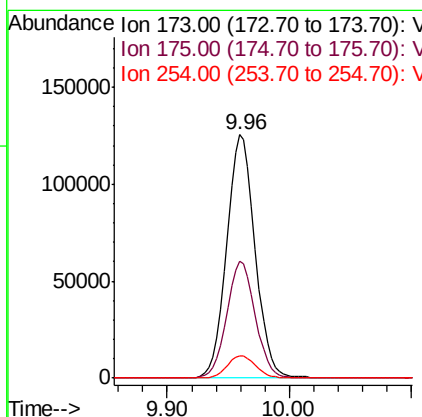
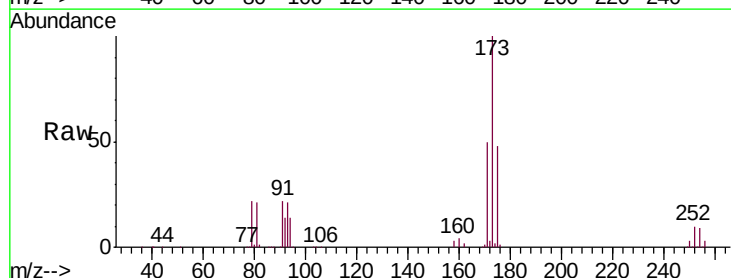
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

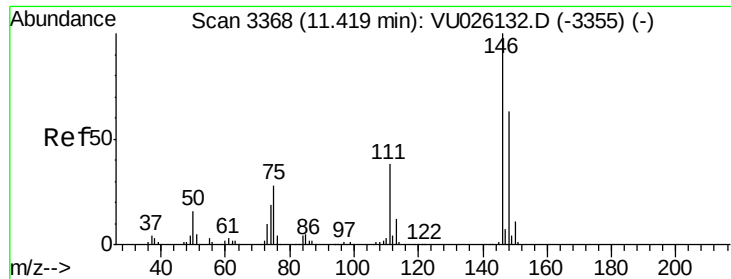
Tgt Ion: 75 Resp: 286072
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.1 39.1



#61
 Bromoform
 Concen: 97.384 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion: 173 Resp: 204219
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.8 58.2
 254 9.3 7.3 10.9

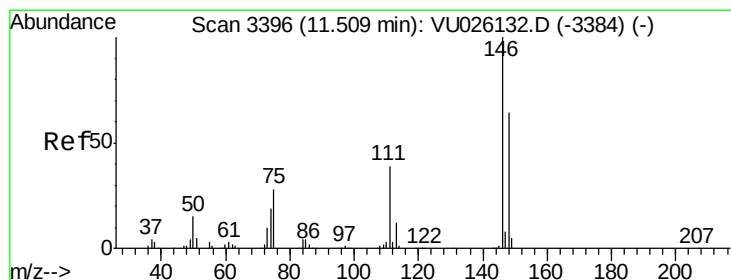
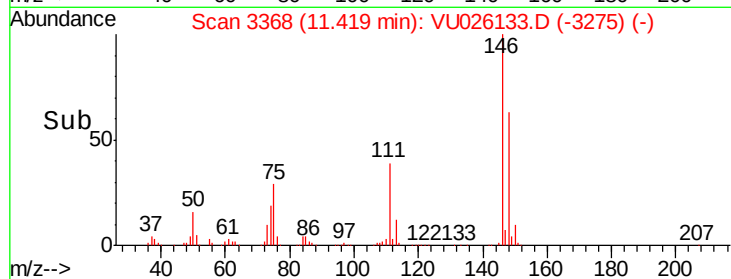
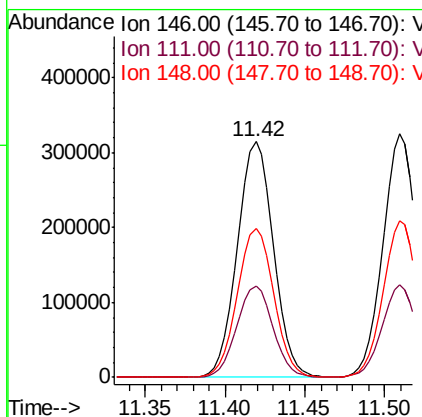
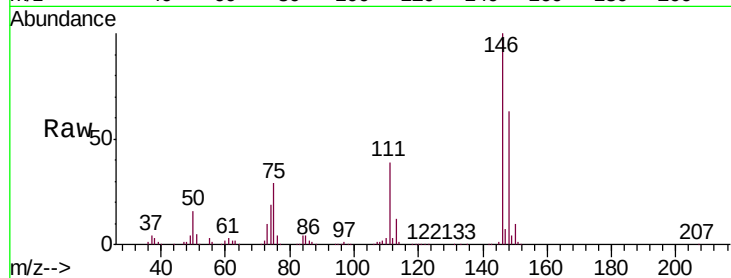




#62
 1,3-Dichlorobenzene
 Concen: 100.559 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

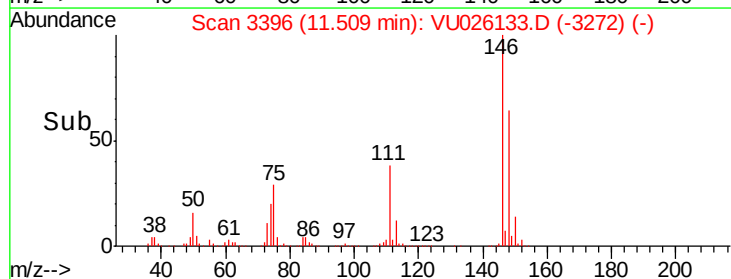
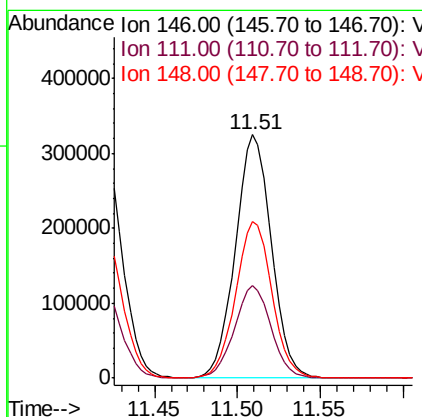
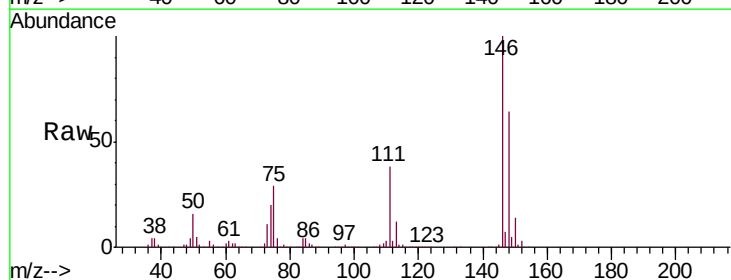
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

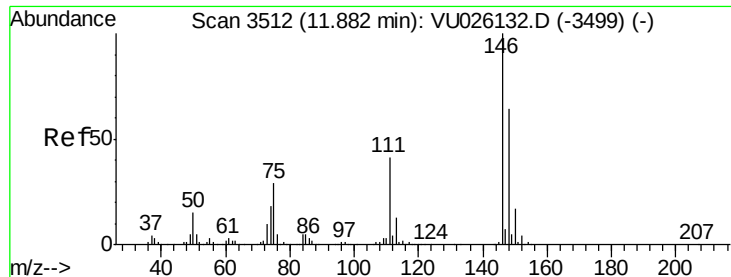
Tgt Ion:146 Resp: 483338
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.7 49.7
 148 63.2 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 98.752 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion:146 Resp: 489502
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.5 51.1
 148 64.3 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 99.829 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10063

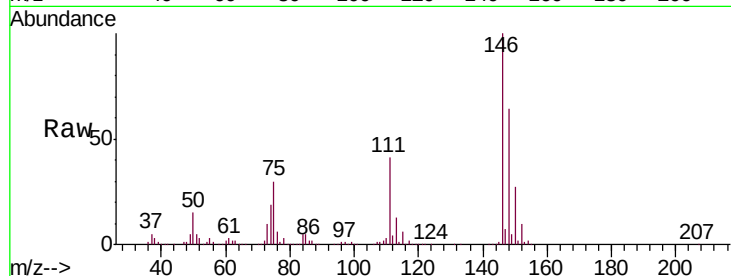
Tgt Ion:146 Resp: 512807

Ion Ratio Lower Upper

146 100

111 40.6 32.7 49.1

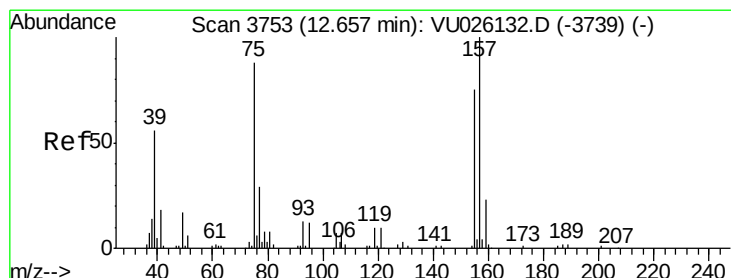
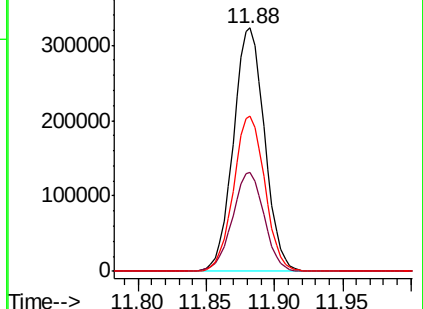
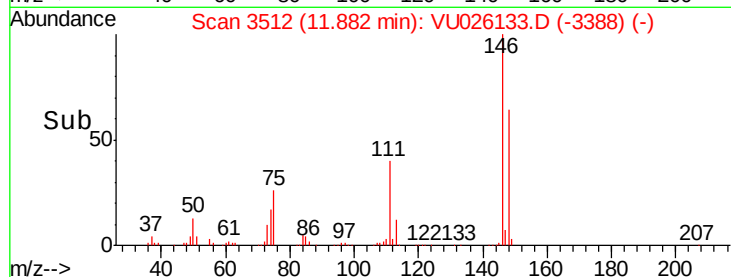
148 63.7 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 100.120 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

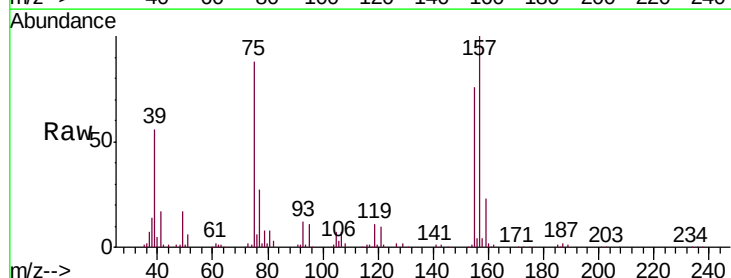
Tgt Ion: 75 Resp: 81543

Ion Ratio Lower Upper

75 100

155 85.8 68.2 102.2

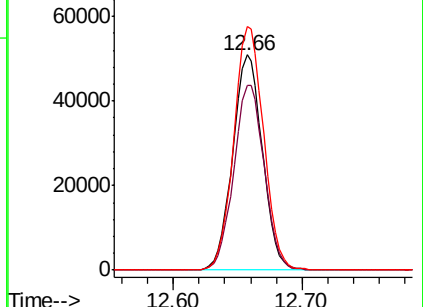
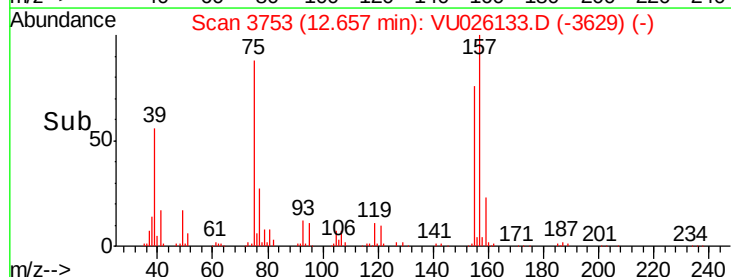
157 113.1 90.5 135.7

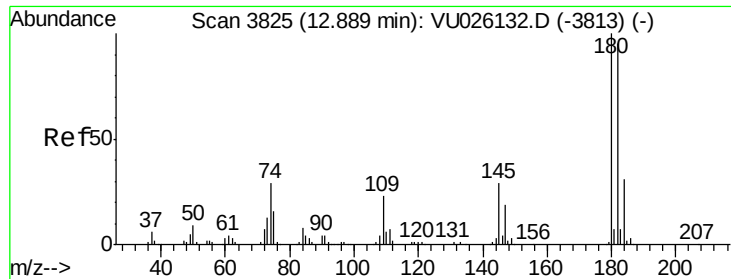


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

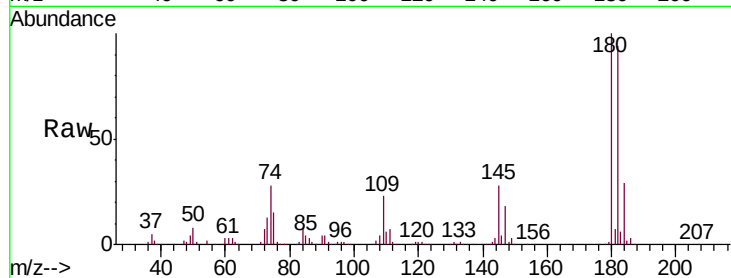




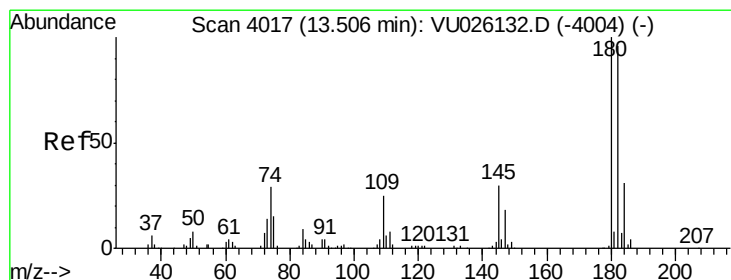
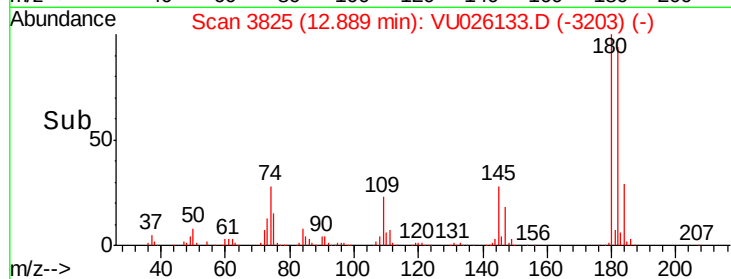
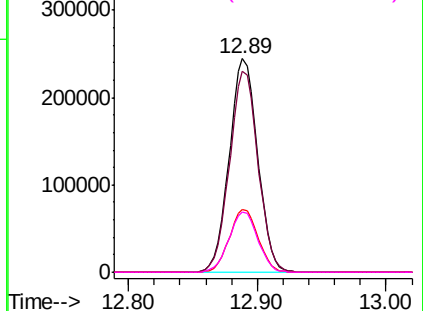
#67
 1,3,5-Trichlorobenzene
 Concen: 105.253 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10063

Tgt Ion:	180	Resp:	373598
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.6	113.4
184	29.8	24.3	36.5
145	28.6	23.3	34.9

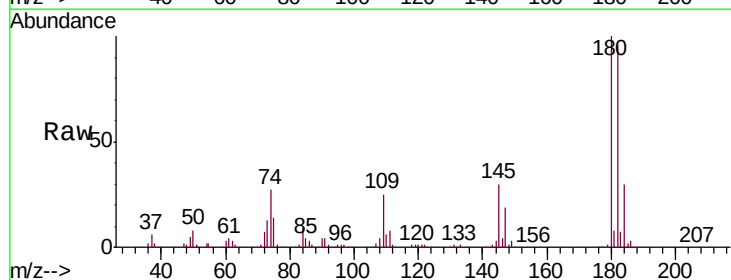


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

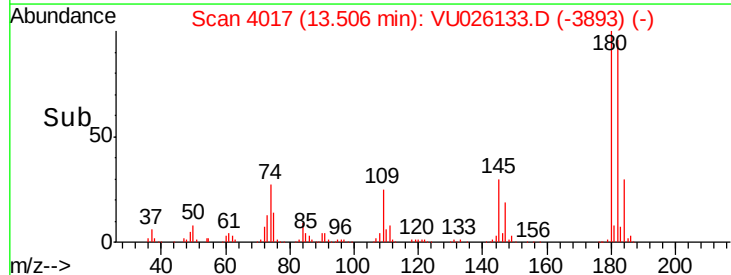
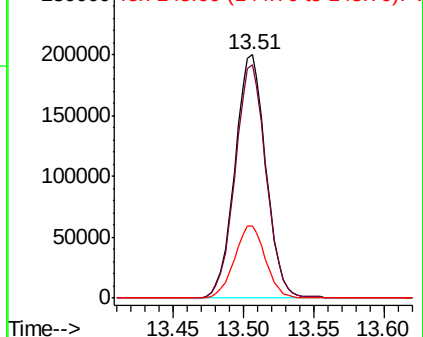


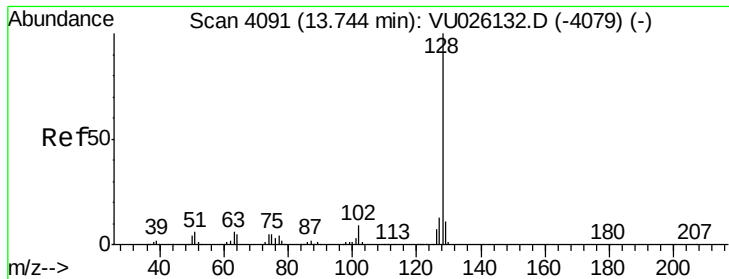
#68
 1,2,4-trichlorobenzene
 Concen: 114.776 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026133.D
 Acq: 15 Aug 2018 09:12

Tgt Ion:	180	Resp:	308645
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	29.8	23.8	35.6



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





#69

Naphthalene

Concen: 124.935 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10063

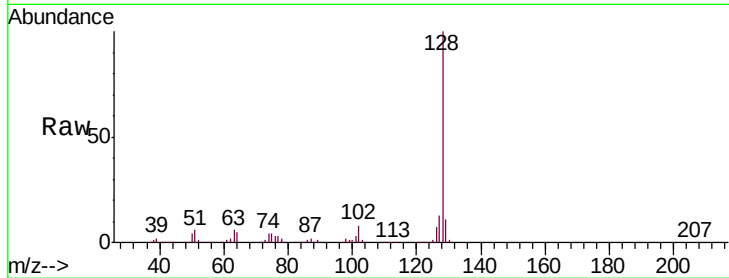
Tgt Ion:128 Resp: 956110

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

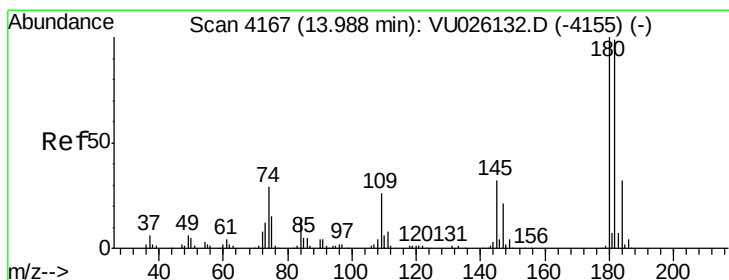
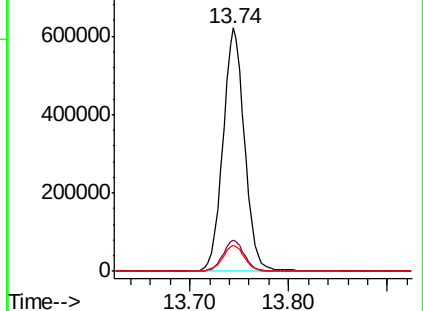
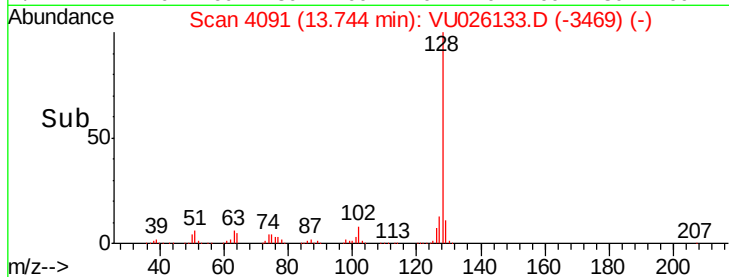
129 10.9 8.6 13.0



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: 113.116 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026133.D

Acq: 15 Aug 2018 09:12

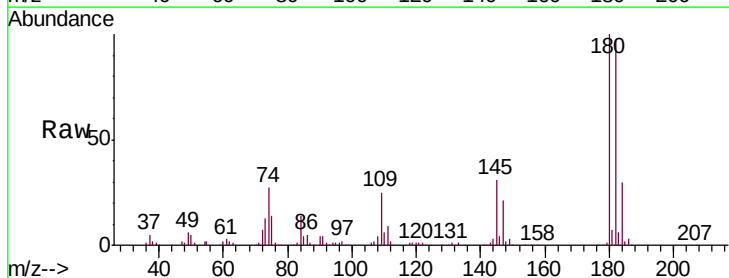
Tgt Ion:180 Resp: 326165

Ion Ratio Lower Upper

180 100

182 95.8 77.1 115.7

145 31.6 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

