

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026033.D
 Acq On : 10 Aug 2018 06:57
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 08:32:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	307483	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	289650	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	143604	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98348	43.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.52%
7) Chloroethane-d5	1.67	69	83741	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.98%
11) 1,1-Dichloroethene-d2	2.27	63	188989	44.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.50%
21) 2-Butanone-d5	4.18	46	175591	93.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.74%
24) Chloroform-d	4.65	84	228973	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	5.31	65	151716	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
32) Benzene-d6	5.35	84	433295	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.34%
36) 1,2-Dichloropropane-d6	6.33	67	139681	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.00%
41) Toluene-d8	7.57	98	409039	47.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%
43) trans-1,3-Dichloropropene-	7.85	79	65394	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.20%
47) 2-Hexanone-d5	8.31	63	127470	96.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.43%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	207656	48.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	172709	48.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	137134	51.192	ug/L 99
3) Chloromethane	1.33	50	121169	50.410	ug/L 100
5) Vinyl chloride	1.40	62	122199	52.686	ug/L 97
6) Bromomethane	1.62	94	71948	58.011	ug/L 100
8) Chloroethane	1.69	64	72549	52.054	ug/L 98
9) Trichlorofluoromethane	1.89	101	172795	52.072	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90158	46.705	ug/L 100
12) 1,1-Dichloroethene	2.28	96	85750	48.303	ug/L 91
13) Acetone	2.32	43	103598	89.026	ug/L 99
14) Carbon disulfide	2.48	76	302171	51.738	ug/L 99
15) Methyl Acetate	2.62	43	117206	48.084	ug/L 99
16) Methylene chloride	2.70	84	114336	50.450	ug/L 98
17) trans-1,2-Dichloroethene	2.99	96	104346	52.753	ug/L 95
18) Methyl tert-butyl Ether	3.00	73	333278	51.271	ug/L 99
19) 1,1-Dichloroethane	3.45	63	195127	50.862	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	114778	50.431	ug/L 96
22) 2-Butanone	4.26	43	164682	97.805	ug/L 99

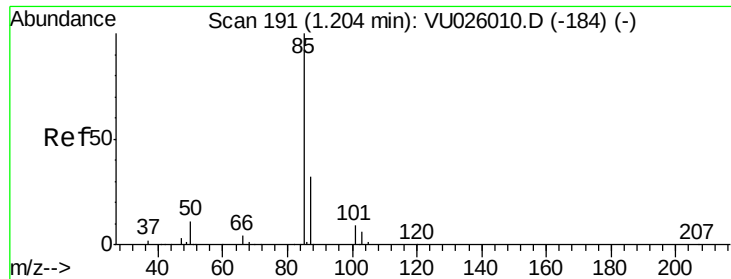
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61846	51.020	ug/L	95
25) Chloroform	4.68	83	205938	51.549	ug/L	100
27) 1,2-Dichloroethane	5.41	62	167467	50.754	ug/L	99
29) Cyclohexane	5.00	56	166710	51.497	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	184933	50.603	ug/L	99
31) Carbon tetrachloride	5.14	117	172317	51.635	ug/L	99
33) Benzene	5.39	78	430940	52.236	ug/L	100
34) Trichloroethene	6.19	95	111317	51.650	ug/L	99
35) Methylcyclohexane	6.42	83	171477	52.107	ug/L	99
37) 1,2-Dichloropropane	6.44	63	119121	52.771	ug/L	100
38) Bromodichloromethane	6.76	83	156135	51.918	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	166807	48.757	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	310727	100.184	ug/L	99
42) Toluene	7.64	91	464055	52.994	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	156216	47.973	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	110872	51.518	ug/L	98
46) Tetrachloroethene	8.23	164	94638	51.598	ug/L	98
48) 2-Hexanone	8.36	43	239077	98.942	ug/L	99
49) Dibromochloromethane	8.48	129	137260	52.891	ug/L	100
50) 1,2-Dibromoethane	8.59	107	119309	50.902	ug/L	99
51) Chlorobenzene	9.12	112	306316	51.881	ug/L	99
52) Ethylbenzene	9.25	91	502494	52.442	ug/L	99
53) m,p-Xylene	9.38	106	198850	54.311	ug/L	98
54) o-xylene	9.78	106	195524	53.807	ug/L	99
55) Styrene	9.80	104	332386	54.941	ug/L	98
56) Isopropylbenzene	10.17	105	505319	53.979	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	187204	51.182	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	146358	50.272	ug/L	99
61) Bromoform	9.96	173	100950	51.920	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	234460	52.444	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	238534	50.897	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	251118	52.770	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	41802	50.049	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	174006	52.077	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	151687	53.684	ug/L	98
69) Naphthalene	13.74	128	464590	50.967	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	159121	52.396	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 51.192 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

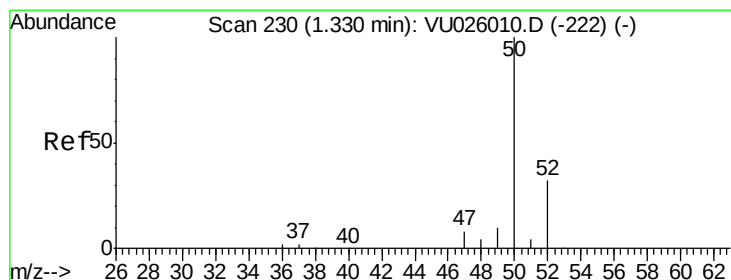
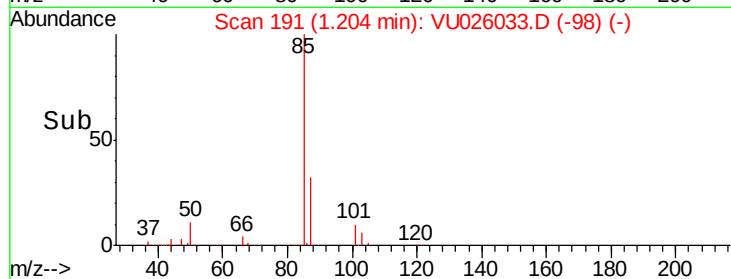
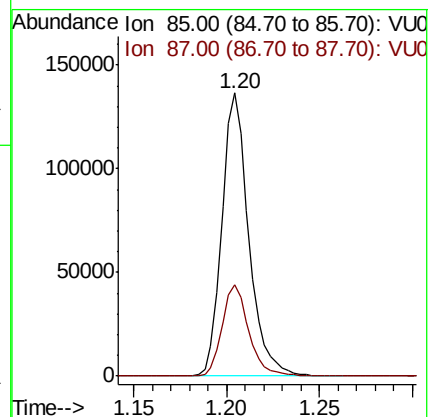
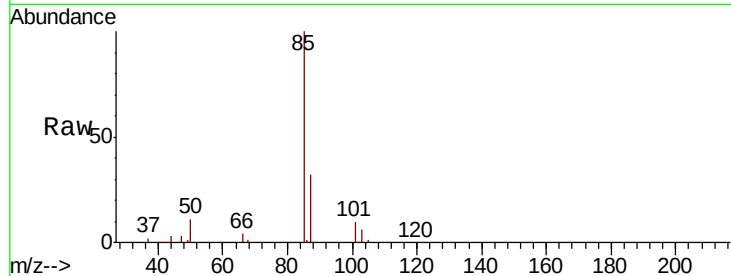
ClientSampleId :

Tot Ion: 85 Resp: 137134

Ion Ratio Lower Upper

85 100

87 32.1 26.1 39.1



#3

Chloromethane

Concen: 50.410 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026033.D

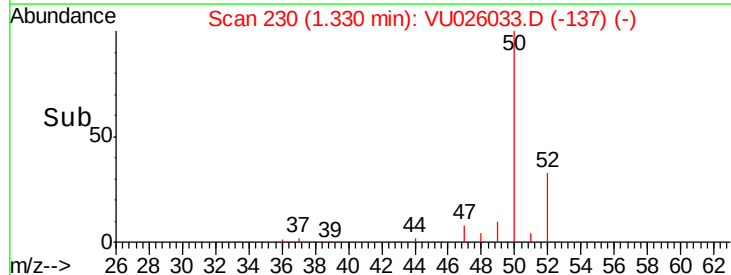
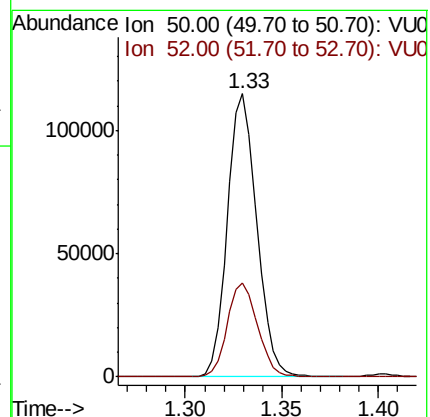
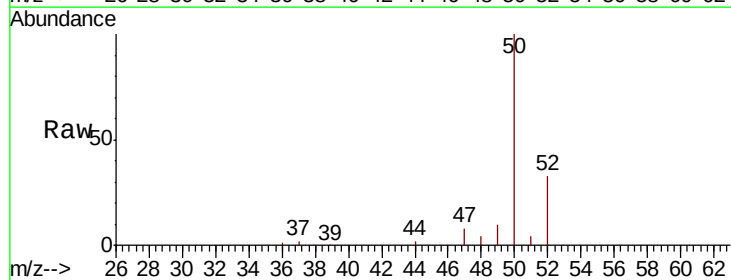
Acq: 10 Aug 2018 06:57

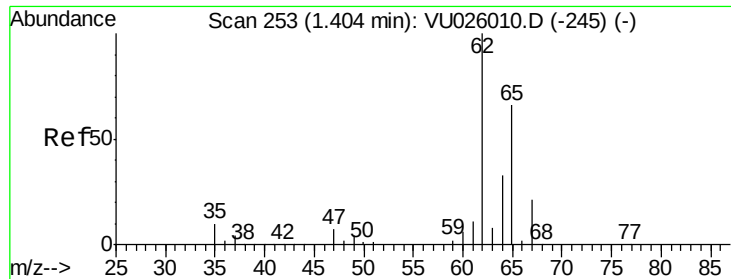
Tgt Ion: 50 Resp: 121169

Ion Ratio Lower Upper

50 100

52 33.2 23.4 43.4





#5

Vinyl chloride

Concen: 52.686 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

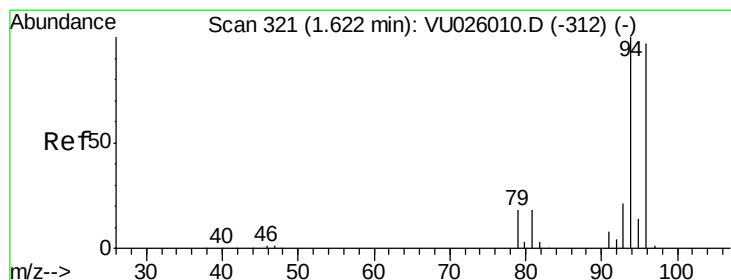
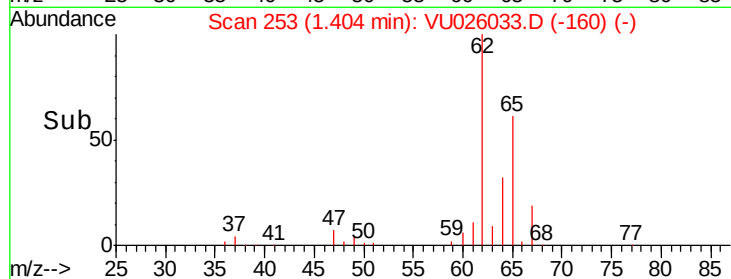
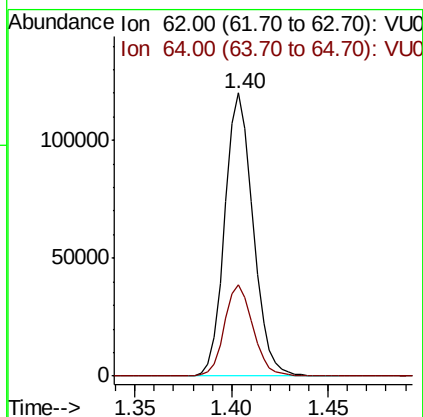
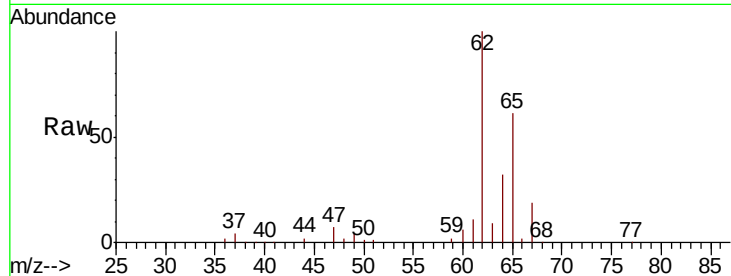
ClientSampleId :

Tot Ion: 62 Resp: 122199

Ion Ratio Lower Upper

62 100

64 32.1 23.7 43.9



#6

Bromomethane

Concen: 58.011 ug/L

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU026033.D

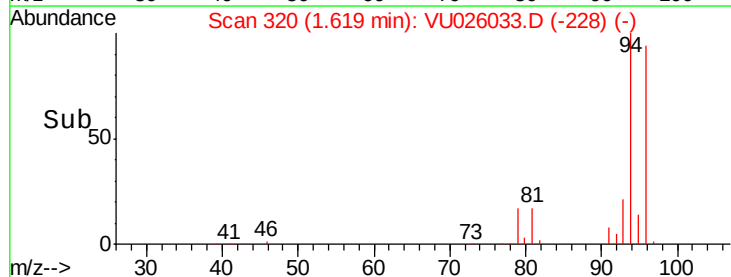
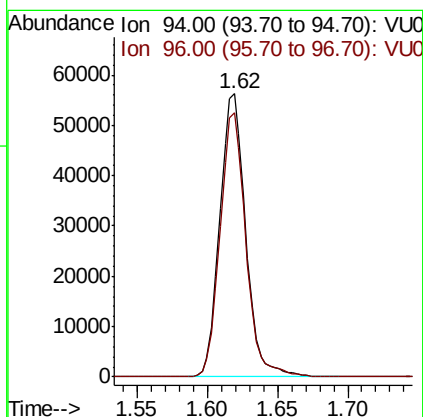
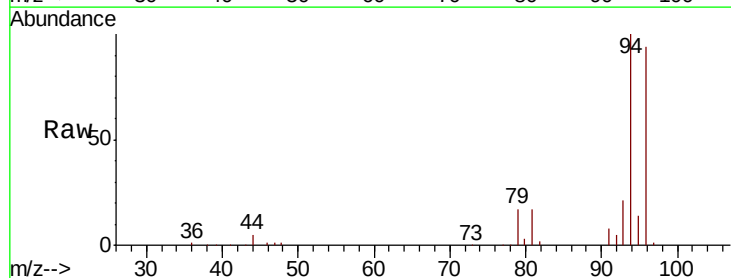
Acq: 10 Aug 2018 06:57

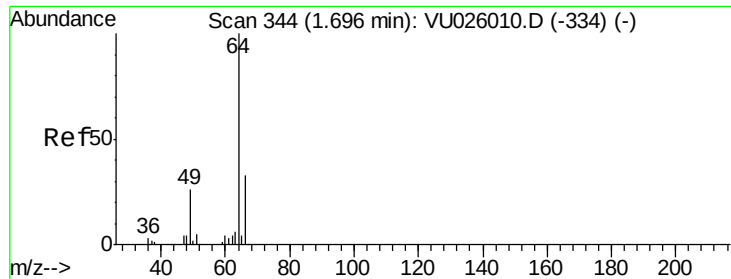
Tgt Ion: 94 Resp: 71948

Ion Ratio Lower Upper

94 100

96 93.5 65.6 121.8





#8

Chloroethane

Concen: 52.054 ug/L

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

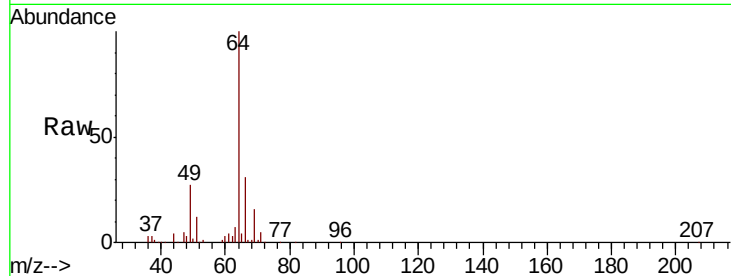
ClientSampleId :

Tot Ion: 64 Resp: 72549

Ion Ratio Lower Upper

64 100

66 31.4 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VU026010.D (-334) (-)

Ion 66.00 (65.70 to 66.70): VU026010.D (-334) (-)

1.69

60000

50000

40000

30000

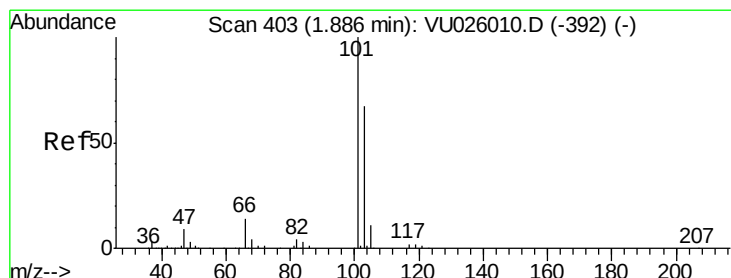
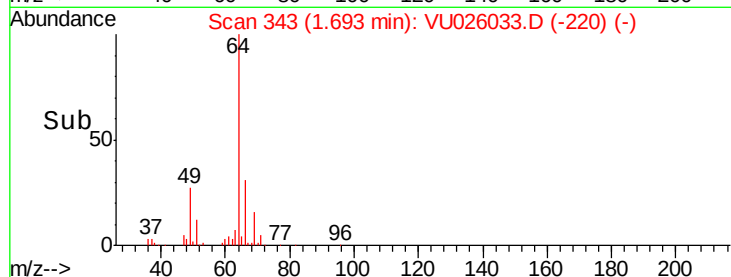
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 52.072 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026033.D

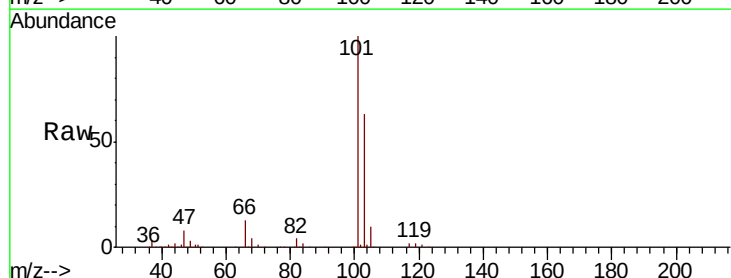
Acq: 10 Aug 2018 06:57

Tgt Ion:101 Resp: 172795

Ion Ratio Lower Upper

101 100

103 63.1 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026010.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026010.D (-392) (-)

1.89

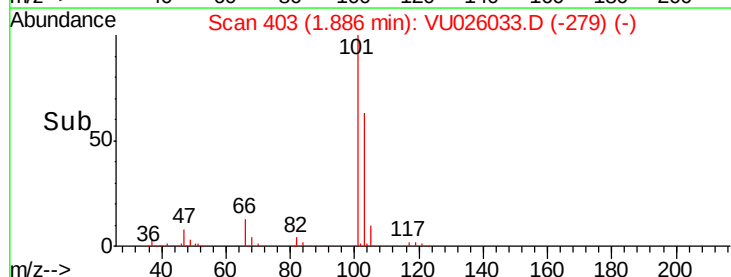
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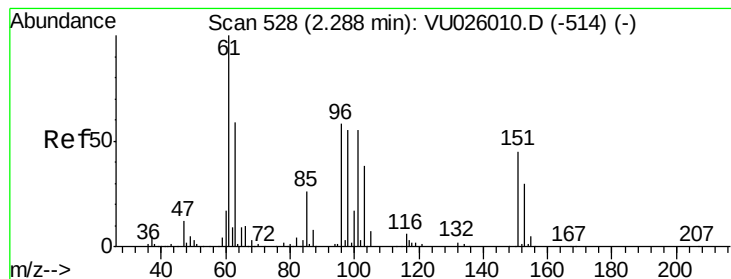
50000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 46.705 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

ClientSampled :

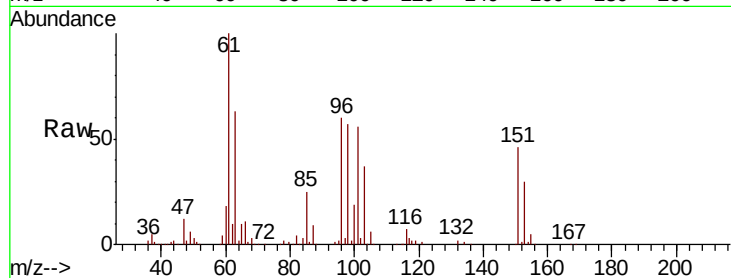
Tot Ion:101 Resp: 90158

Ion Ratio Lower Upper

101 100

85 44.8 36.0 54.0

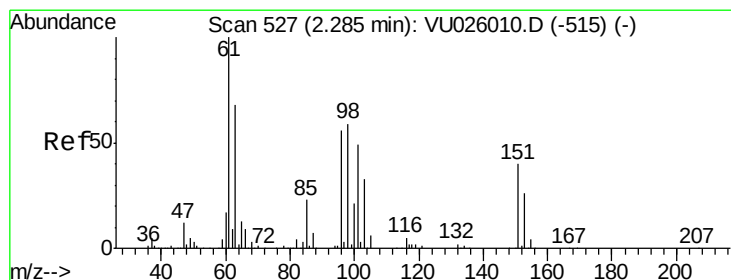
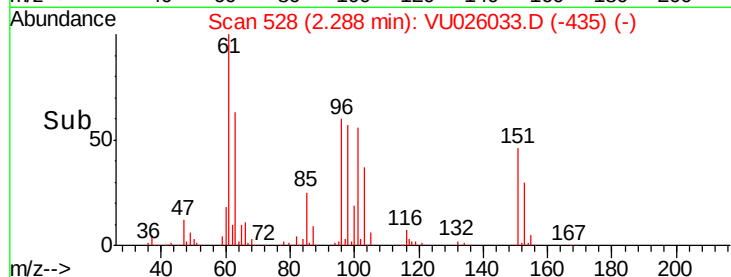
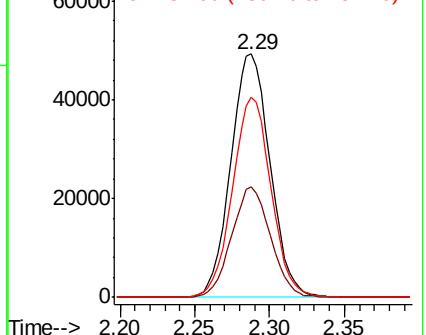
151 80.6 64.2 96.2



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: 48.303 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

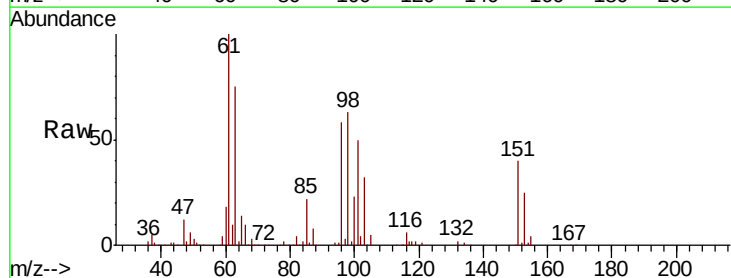
Tgt Ion: 96 Resp: 85750

Ion Ratio Lower Upper

96 100

61 173.6 121.2 225.2

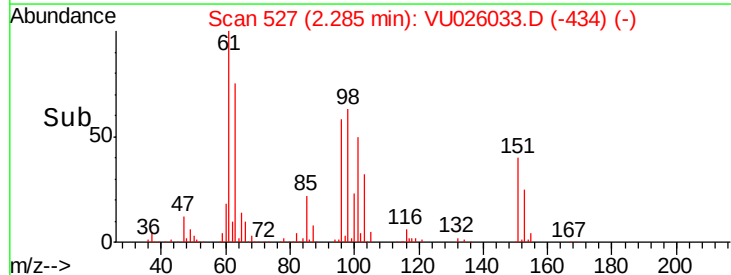
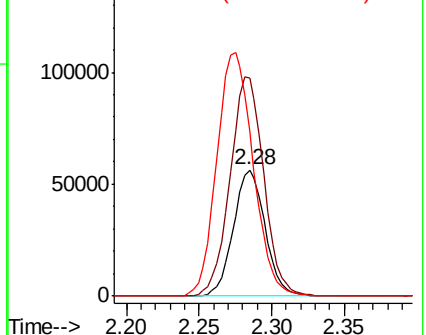
63 130.8 108.7 201.9

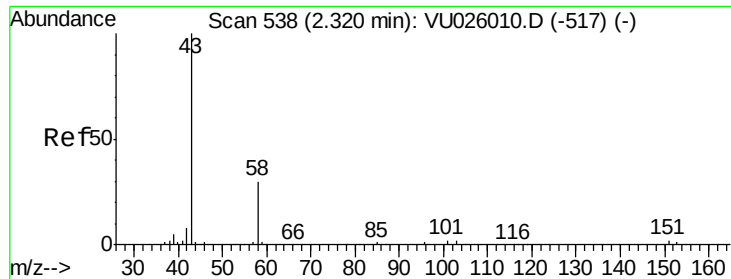


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.026 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

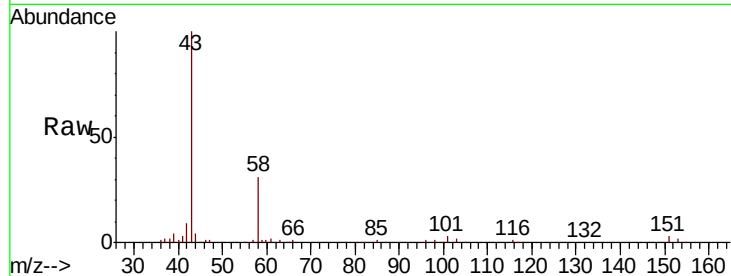
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 103598

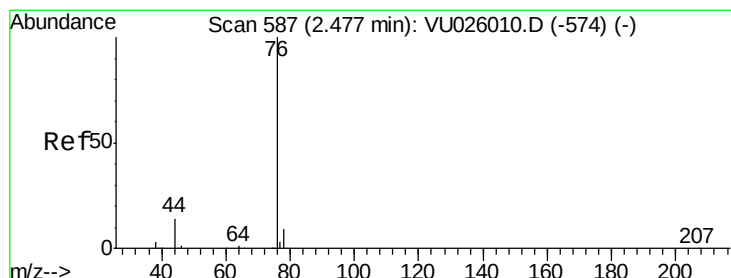
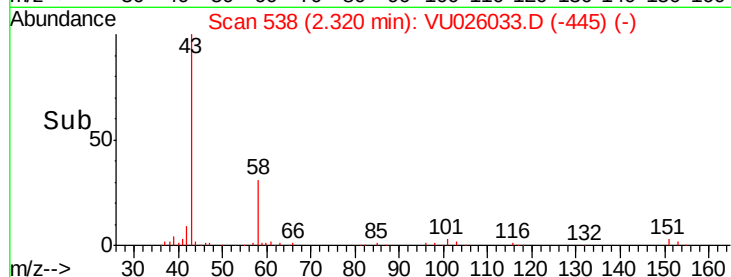
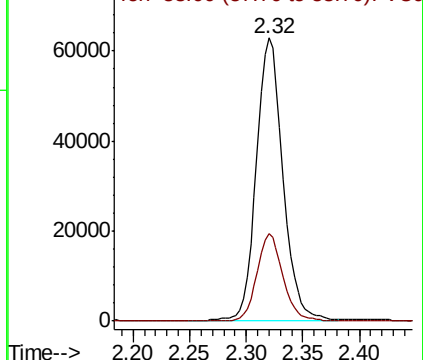
Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 51.738 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026033.D

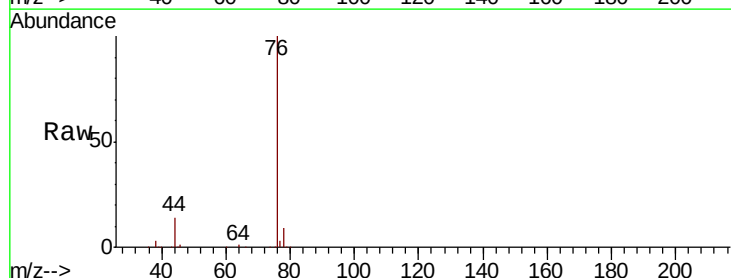
Acq: 10 Aug 2018 06:57

Tgt Ion: 76 Resp: 302171

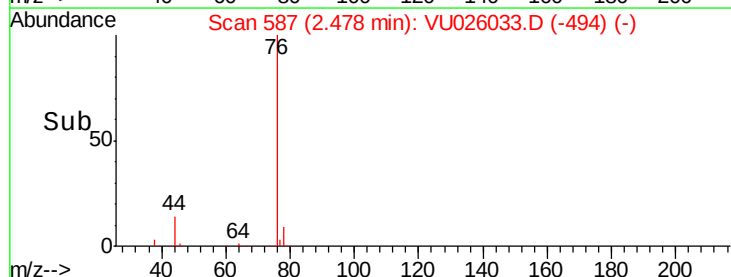
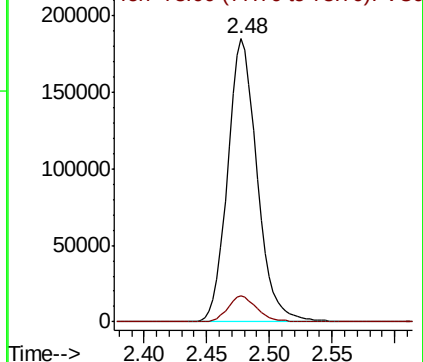
Ion Ratio Lower Upper

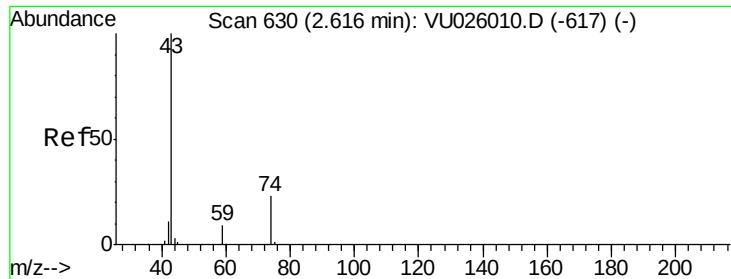
76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0
Ion 78.00 (77.70 to 78.70): VU0

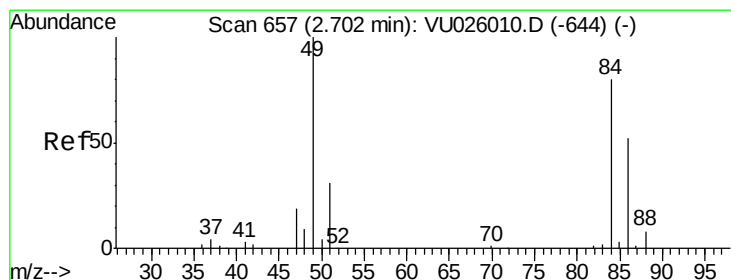
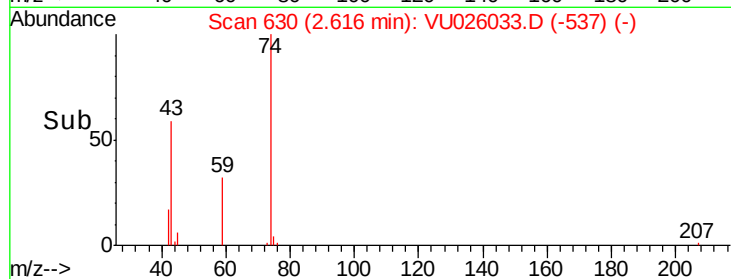
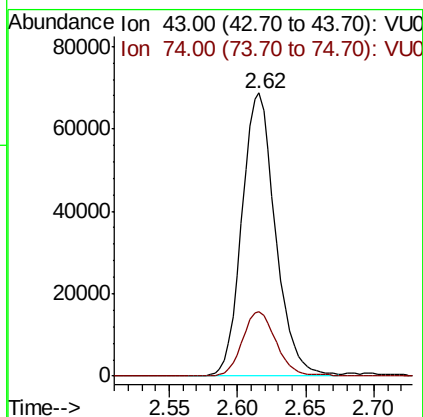
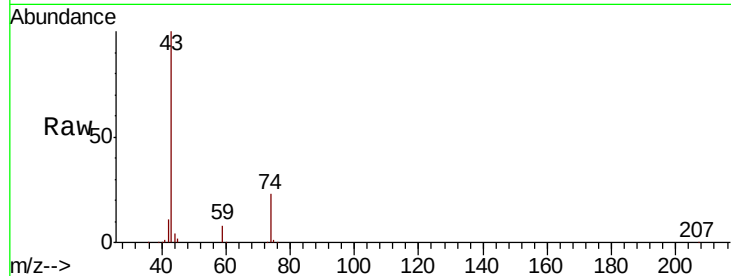




#15
Methvl Acetate
Concen: 48.084 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026033.D
Acq: 10 Aug 2018 06:57

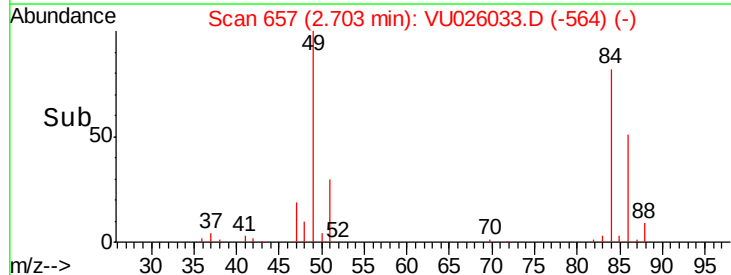
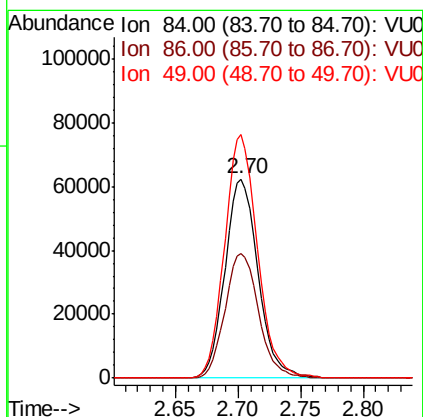
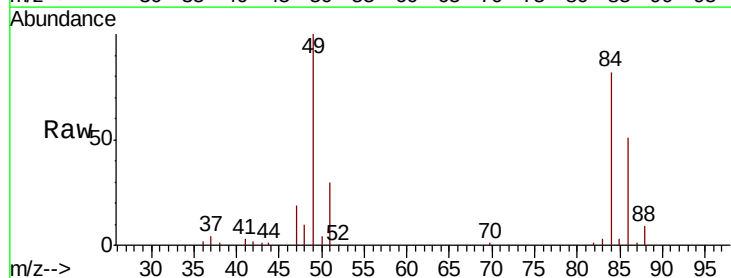
Instrument :
MSVOA_U
ClientSampleId :

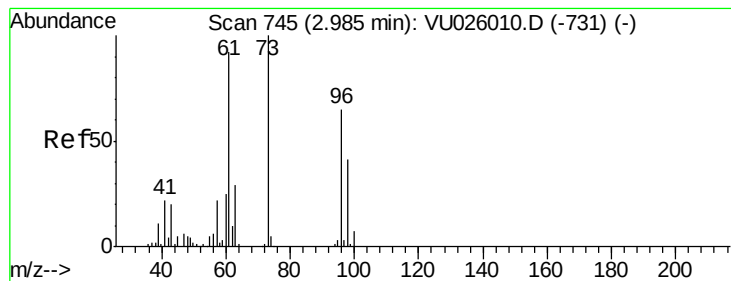
Tot Ion: 43 Resp: 117206
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.8



#16
Methylene chloride
Concen: 50.450 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026033.D
Acq: 10 Aug 2018 06:57

Tgt Ion: 84 Resp: 114336
Ion Ratio Lower Upper
84 100
86 62.7 45.8 85.0
49 122.4 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 52.753 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

ClientSampled :

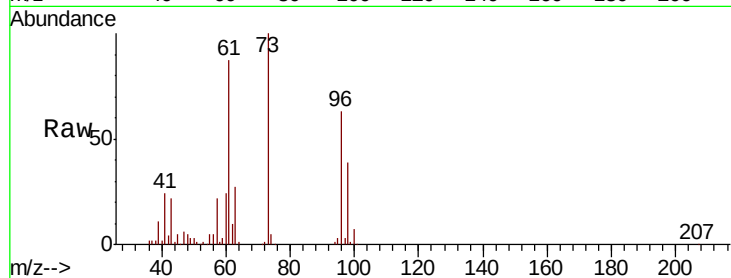
Tot Ion: 96 Resp: 104346

Ion Ratio Lower Upper

96 100

61 139.1 102.8 190.8

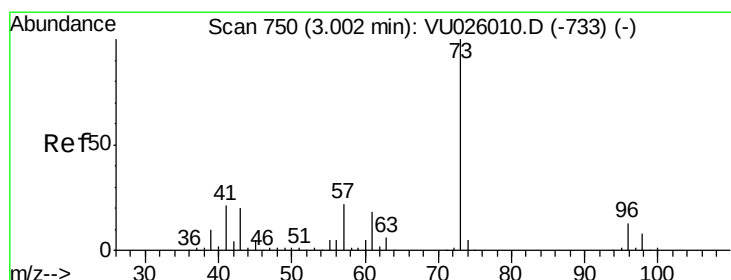
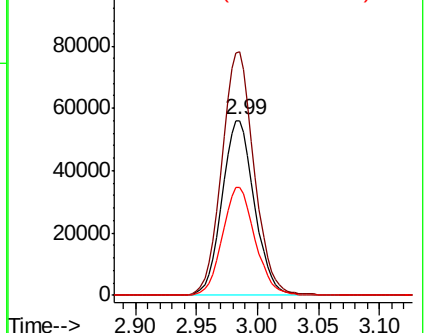
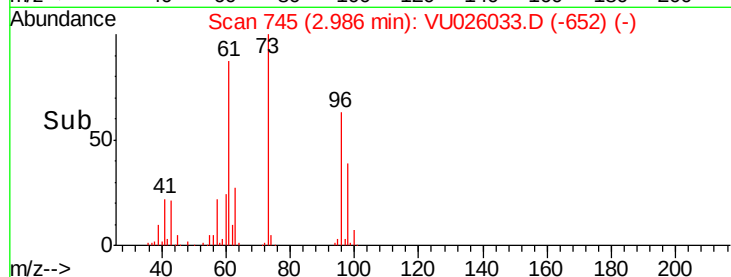
98 61.7 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU026033.D (-652) (-)

Ion 61.00 (60.70 to 61.70): VU026033.D (-652) (-)

Ion 98.00 (97.70 to 98.70): VU026033.D (-652) (-)



#18

Methyl tert-butyl Ether

Concen: 51.271 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

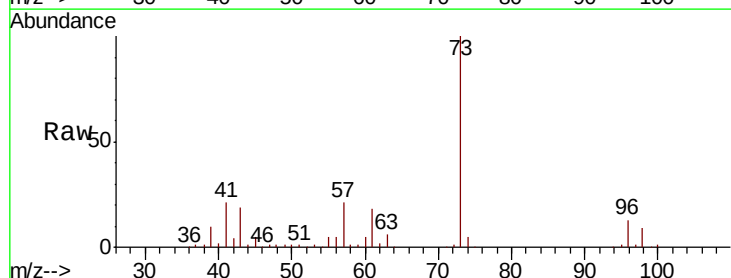
Tgt Ion: 73 Resp: 333278

Ion Ratio Lower Upper

73 100

43 19.9 16.3 24.5

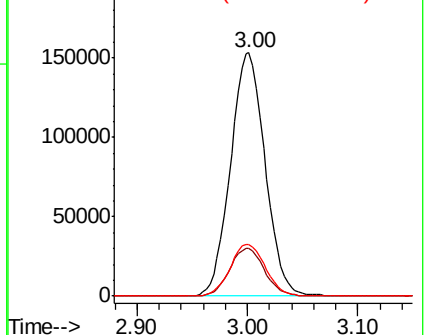
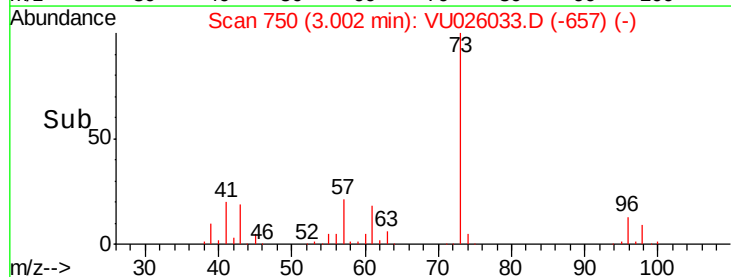
57 21.8 17.1 25.7

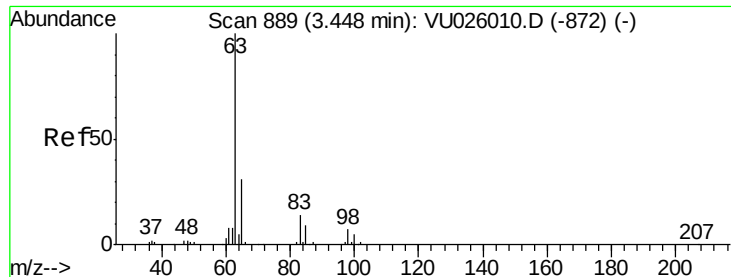


Abundance Ion 73.00 (72.70 to 73.70): VU026033.D (-657) (-)

Ion 43.00 (42.70 to 43.70): VU026033.D (-657) (-)

Ion 57.00 (56.70 to 57.70): VU026033.D (-657) (-)

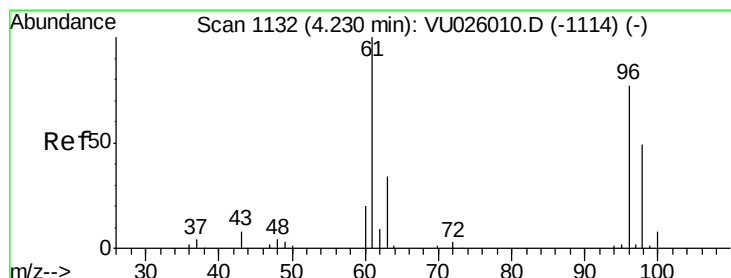
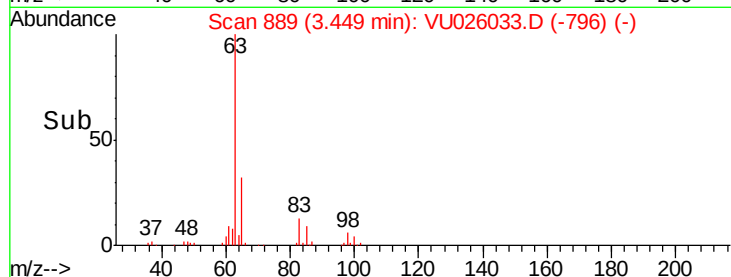
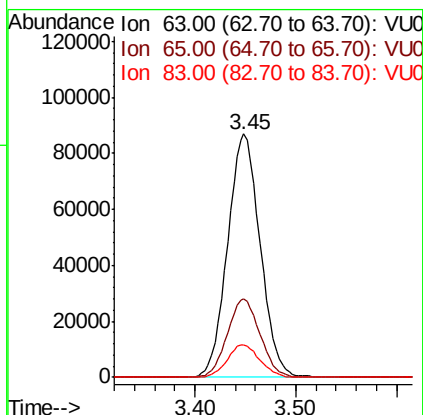
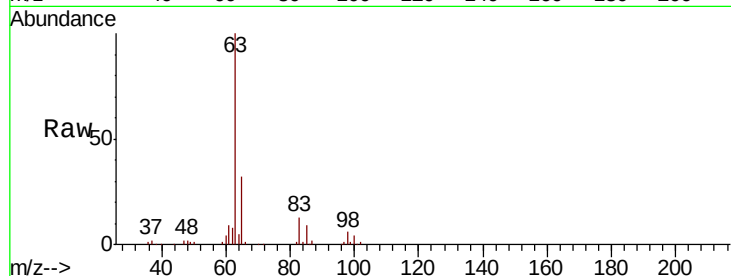




#19
 1,1-Dichloroethane
 Concen: 50.862 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

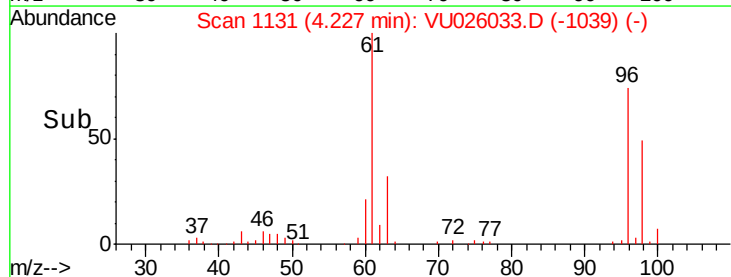
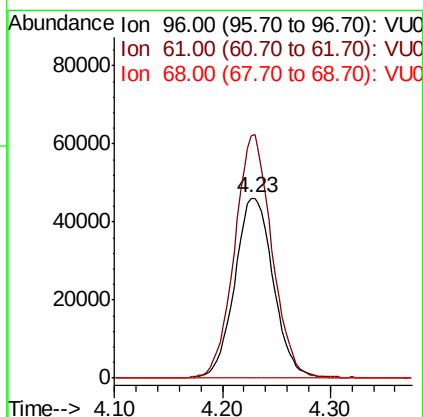
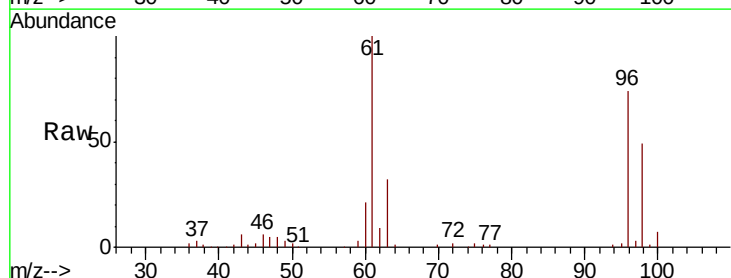
Instrument :
 MSVOA_U
 ClientSampled :

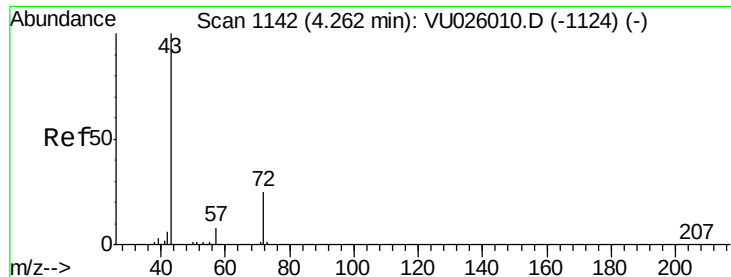
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.4	41.6
83	13.2	10.1	18.9



#20
 cis-1,2-Dichloroethene
 Concen: 50.431 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.5	90.7	168.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 97.805 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

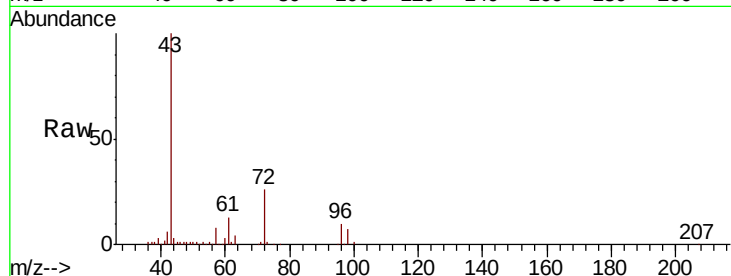
ClientSampleId :

Tot Ion: 43 Resp: 164682

Ion Ratio Lower Upper

43 100

72 26.5 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU026010.D (-1124) (-)

Ion 72.00 (71.70 to 72.70): VU026010.D (-1124) (-)

4.26

60000

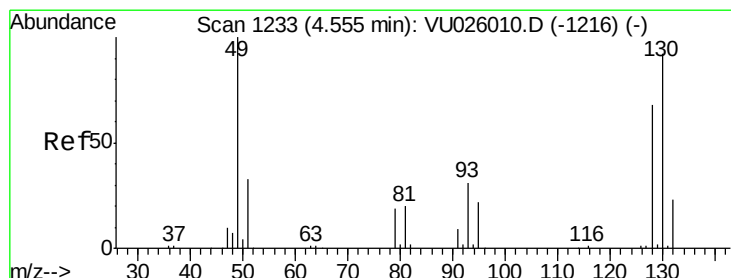
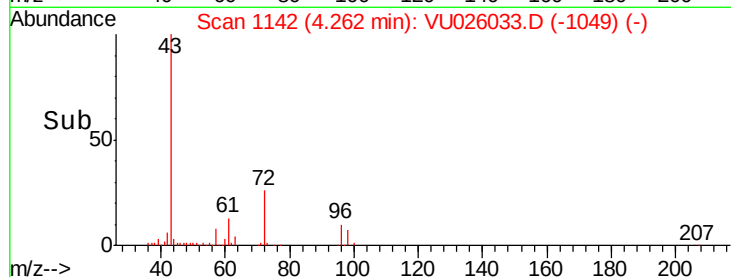
40000

20000

0

Time-->

4.20 4.30 4.40



#23

Bromochloromethane

Concen: 51.020 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Tgt Ion:128 Resp: 61846

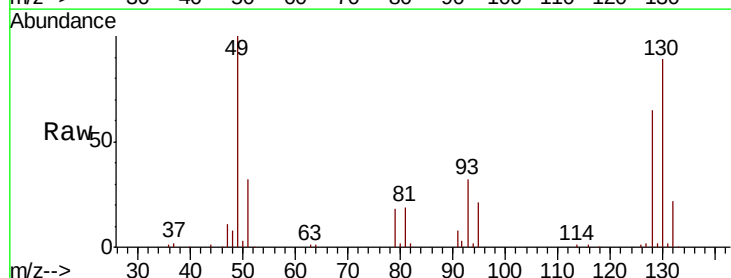
Ion Ratio Lower Upper

128 100

49 153.0 103.0 191.2

130 136.7 89.5 166.1

51 48.3 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU026010.D (-1216) (-)

Ion 49.00 (48.70 to 49.70): VU026010.D (-1216) (-)

Ion 130.00 (129.70 to 130.70): VU026010.D (-1216) (-)

Ion 51.00 (50.70 to 51.70): VU026010.D (-1216) (-)

4.55

60000

50000

40000

30000

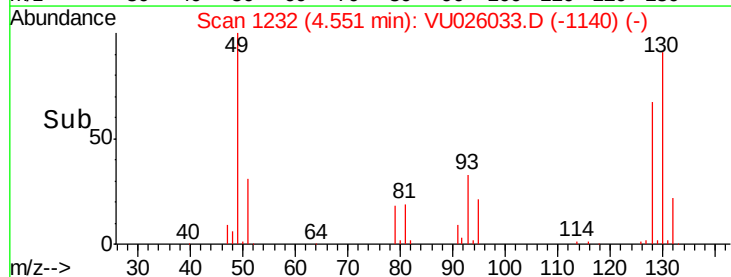
20000

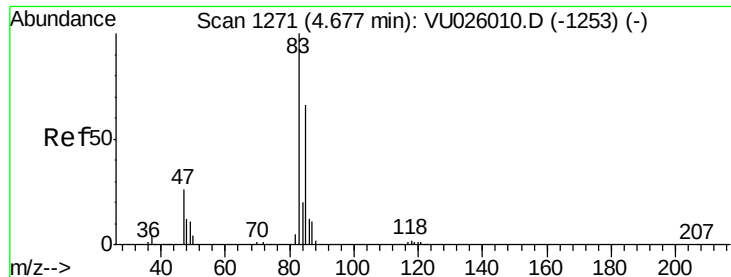
10000

0

Time-->

4.45 4.50 4.55 4.60 4.65





#25

Chloroform

Concen: 51.549 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

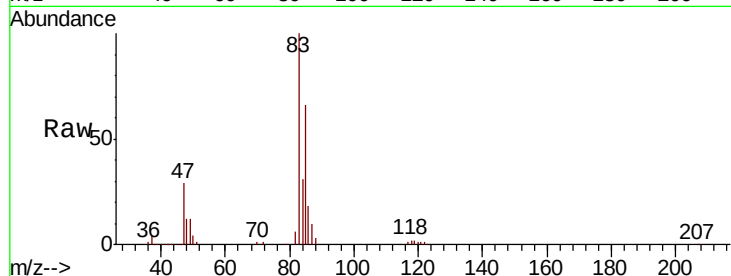
ClientSampleId :

Tot Ion: 83 Resp: 205938

Ion Ratio Lower Upper

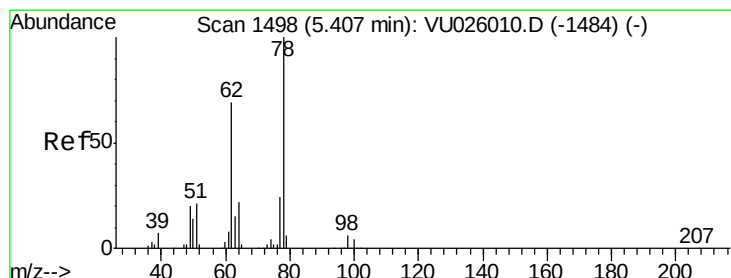
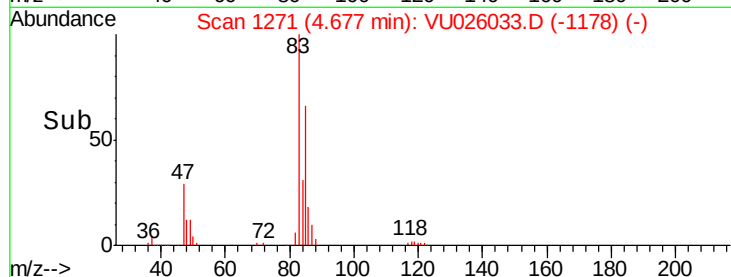
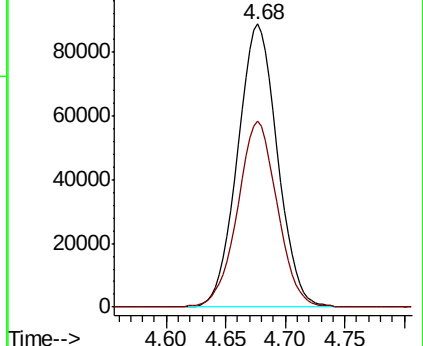
83 100

85 65.6 45.9 85.3



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 50.754 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VU026033.D

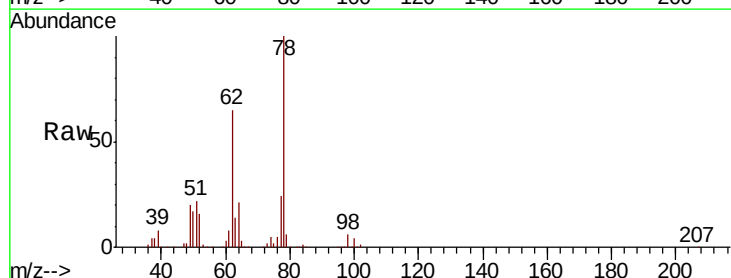
Acq: 10 Aug 2018 06:57

Tgt Ion: 62 Resp: 167467

Ion Ratio Lower Upper

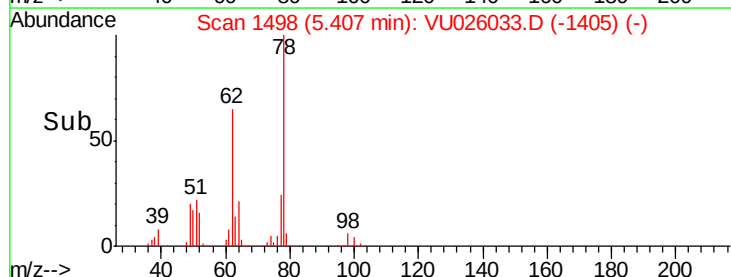
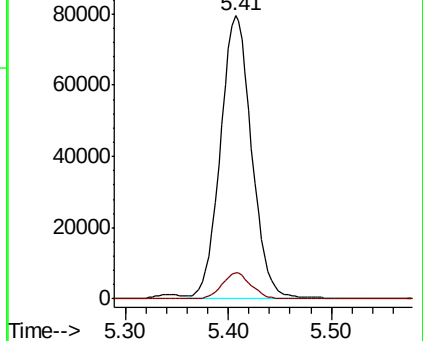
62 100

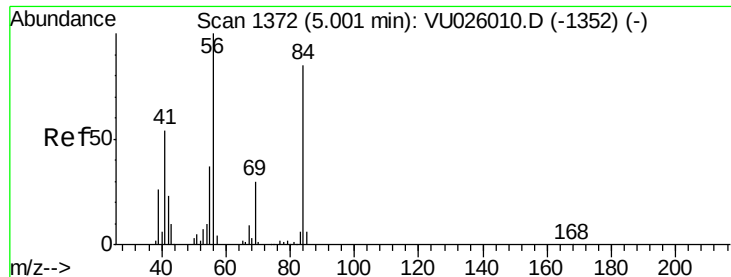
98 9.2 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

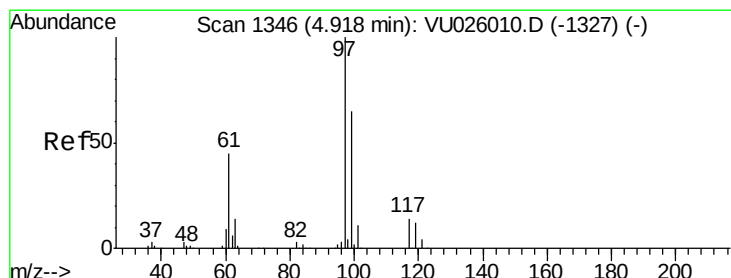
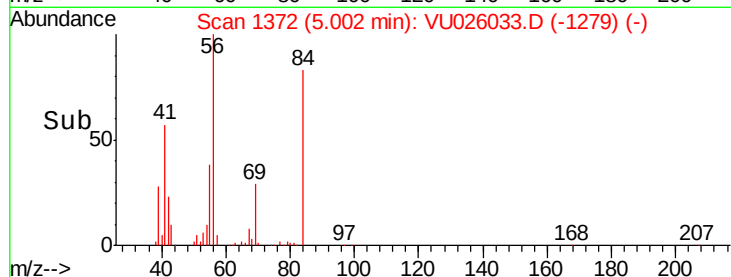
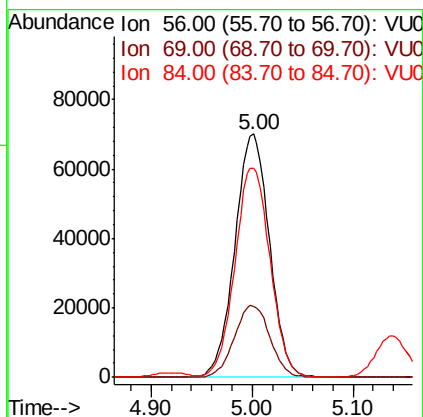
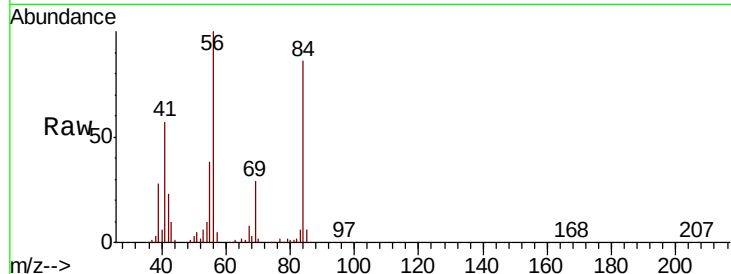




#29
Cyclohexane
Concen: 51.497 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026033.D
Acq: 10 Aug 2018 06:57

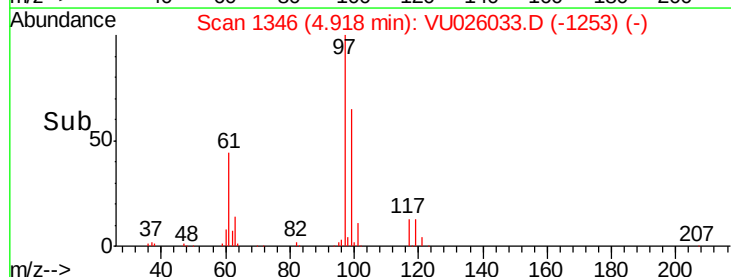
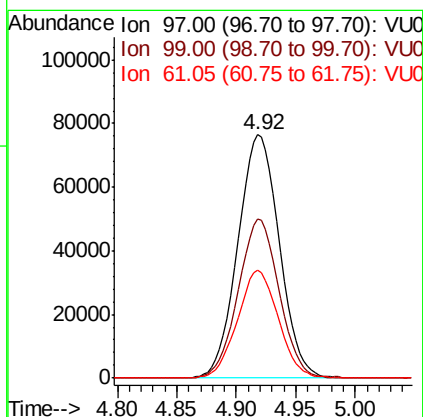
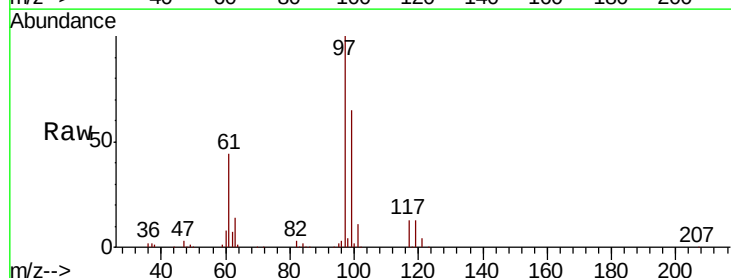
Instrument :
MSVOA_U
ClientSampleId :

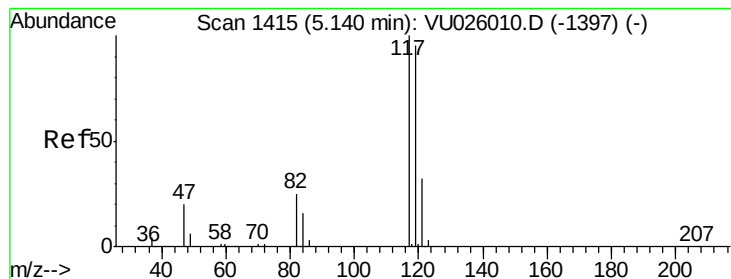
Tot Ion: 56 Resp: 166710
Ion Ratio Lower Upper
56 100
69 30.4 24.6 37.0
84 87.6 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 50.603 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026033.D
Acq: 10 Aug 2018 06:57

Tgt Ion: 97 Resp: 184933
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 43.7 34.7 52.1





#31

Carbon tetrachloride

Concen: 51.635 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

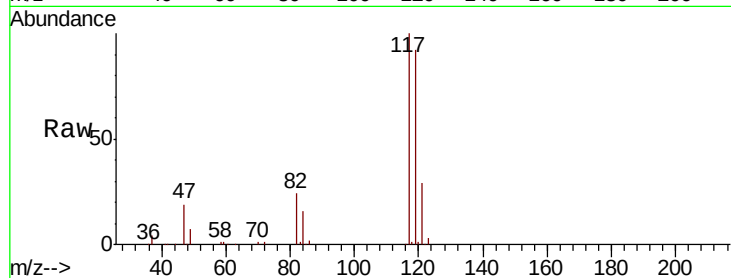
ClientSampleId :

Tot Ion:117 Resp: 172317

Ion Ratio Lower Upper

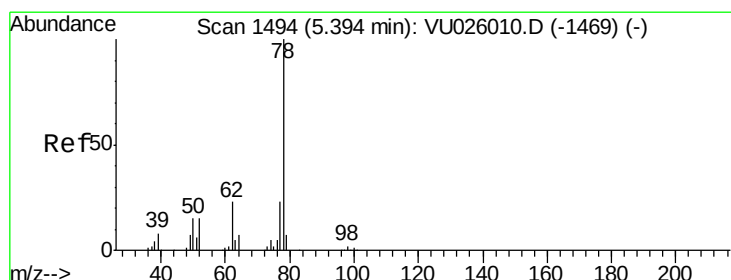
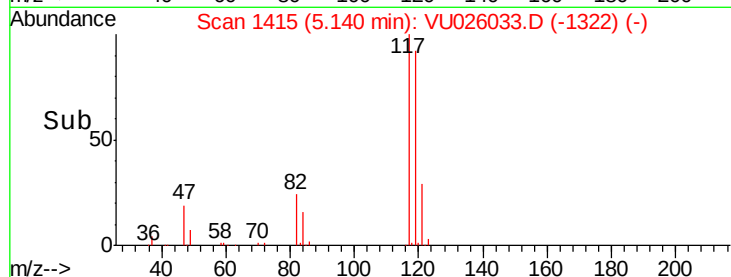
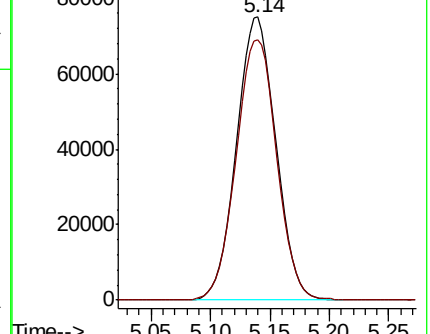
117 100

119 94.7 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.236 ug/L

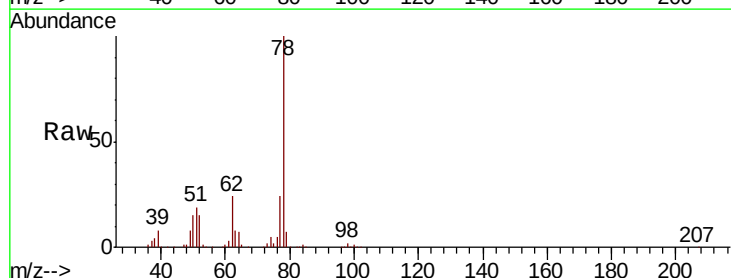
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

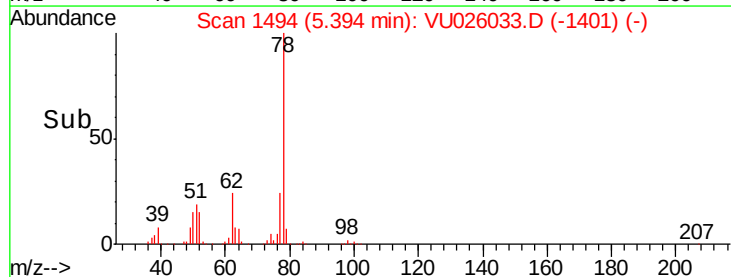
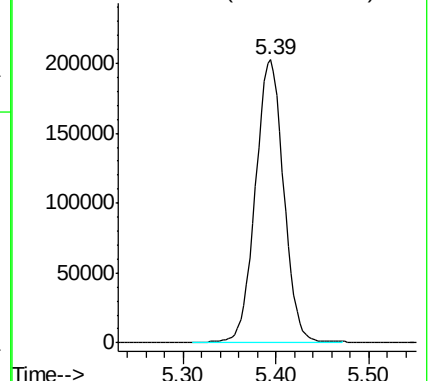
Lab File: VU026033.D

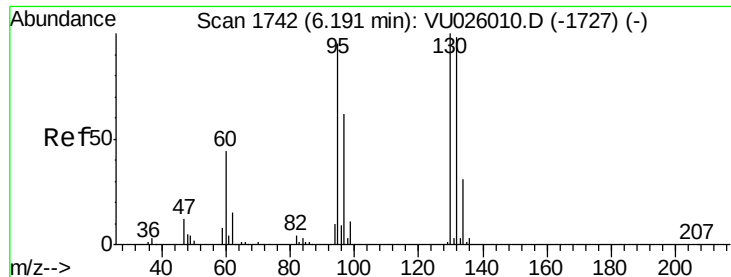
Acq: 10 Aug 2018 06:57

Tgt Ion: 78 Resp: 430940



Abundance Ion 78.00 (77.70 to 78.70): VU0

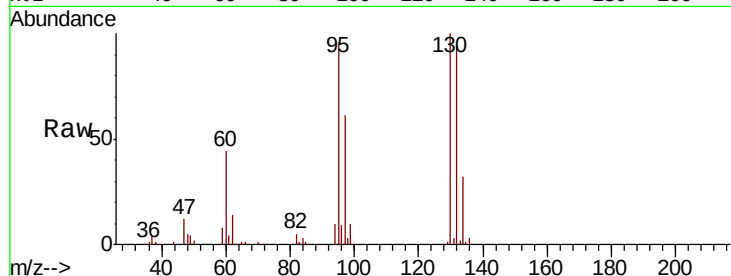




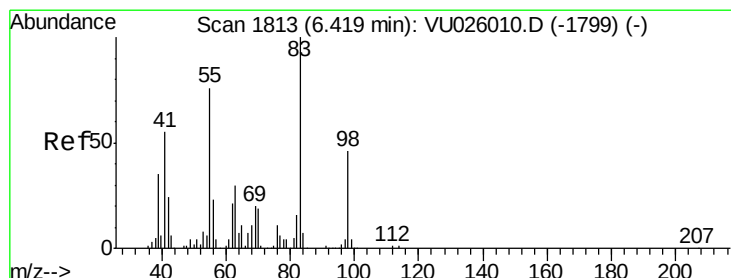
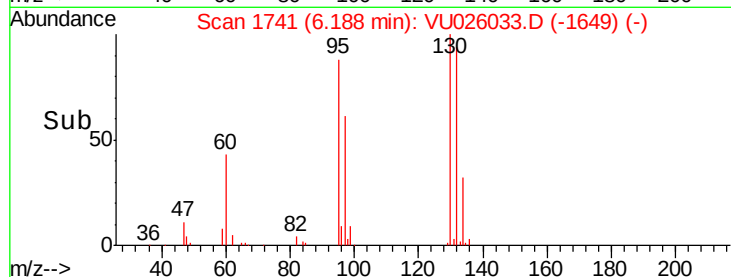
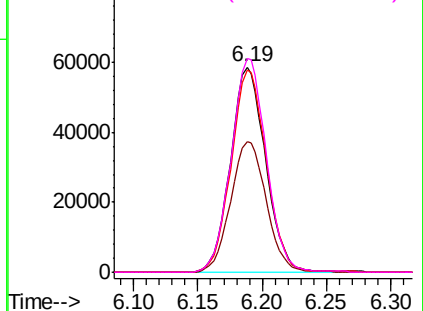
#34
 Trichloroethene
 Concen: 51.650 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	111317
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.2	84.0
132	98.4	68.2	126.6
130	104.1	73.8	137.2

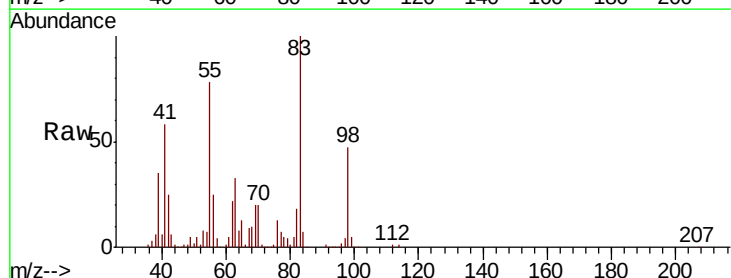


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

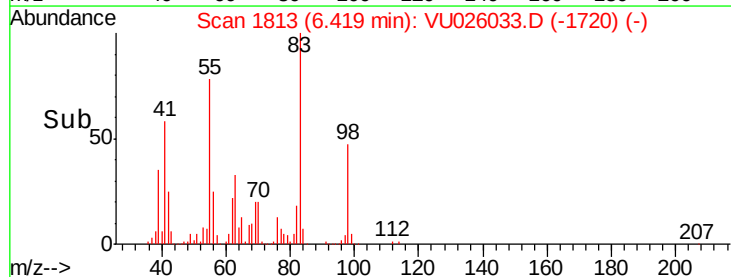
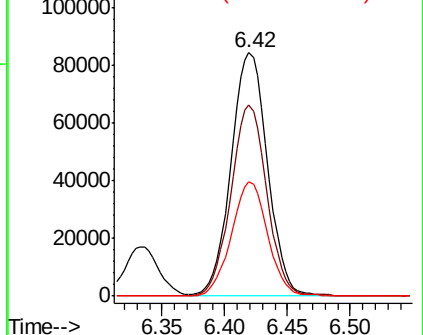


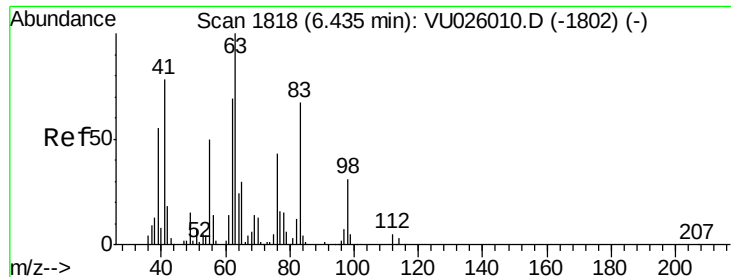
#35
 Methylcyclohexane
 Concen: 52.107 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion:	83	Resp:	171477
Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.0	91.6
98	46.5	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

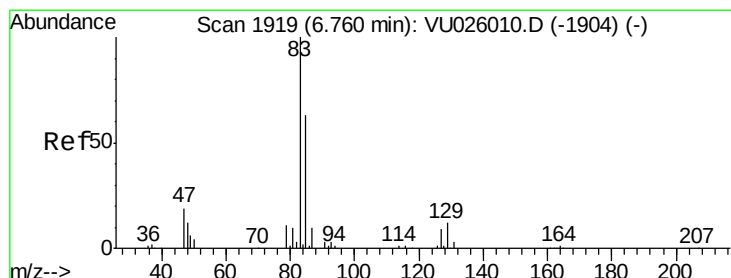
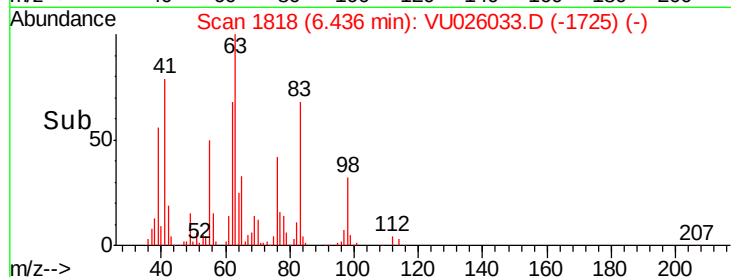
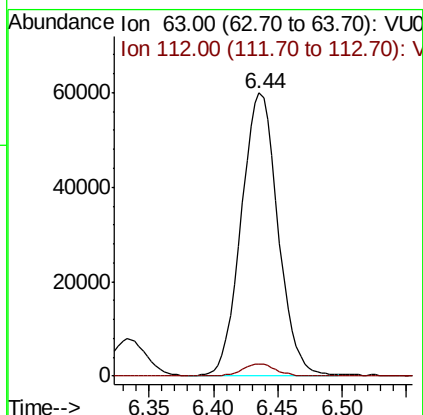
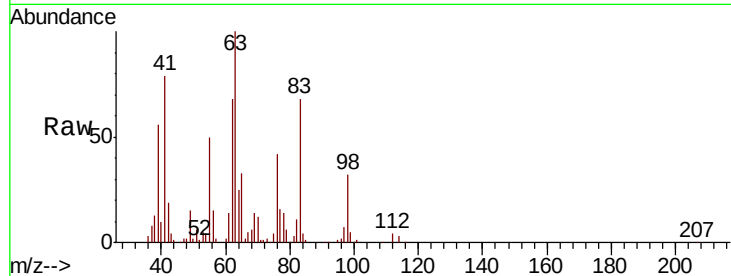




#37
 1,2-Dichloropropane
 Concen: 52.771 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

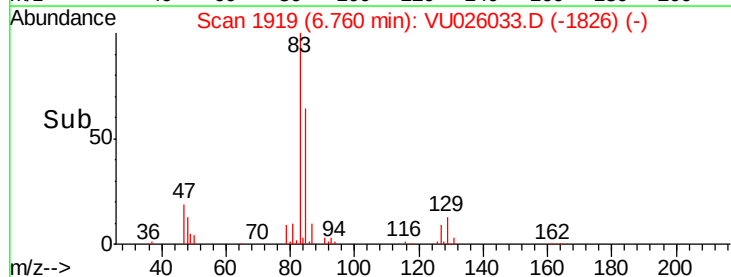
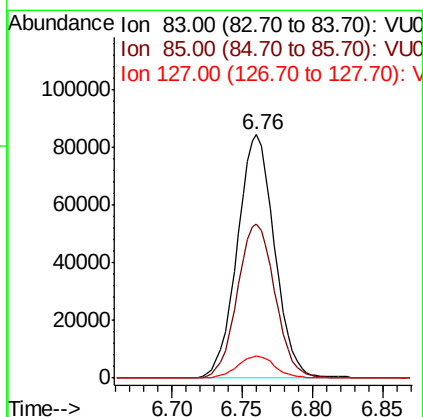
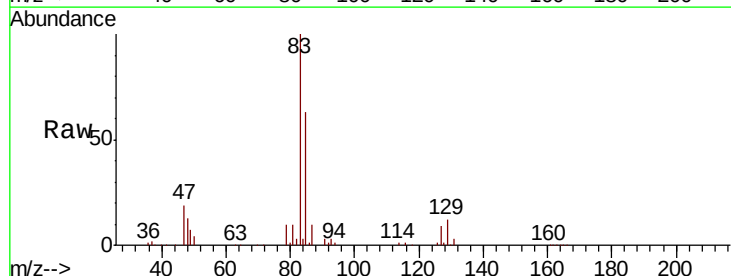
Instrument :
 MSVOA_U
 ClientSampleId :

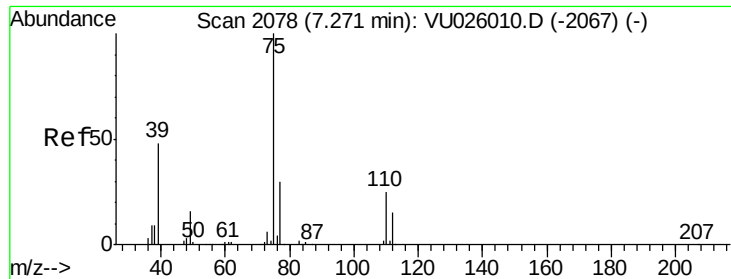
Tot Ion: 63 Resp: 119121
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.918 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion: 83 Resp: 156135
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.3 84.1
 127 8.9 7.4 11.2

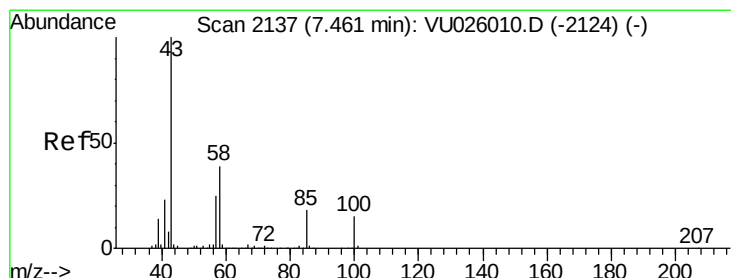
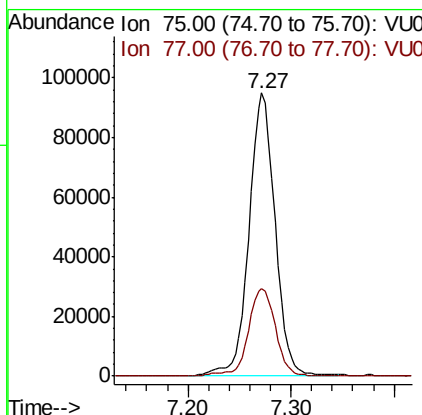
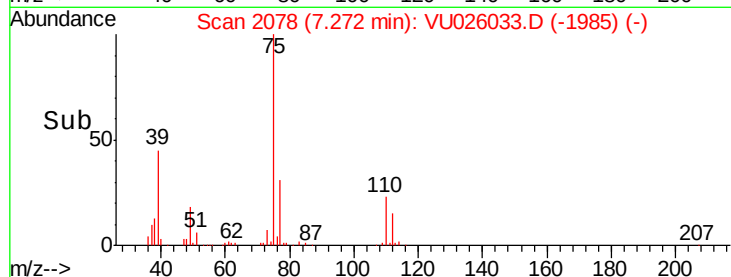
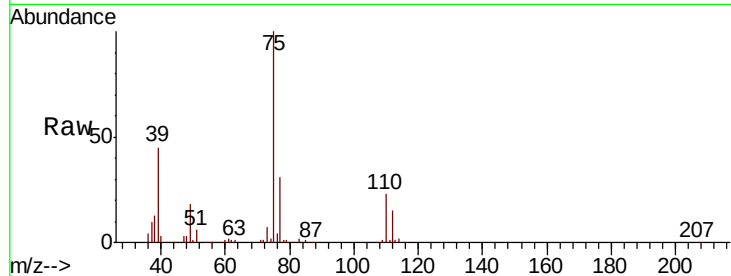




#39
 cis-1,3-Dichloropropene
 Concen: 48.757 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

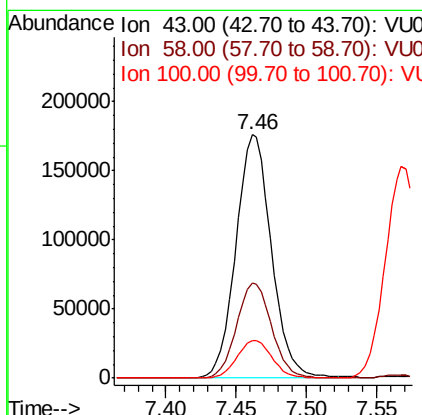
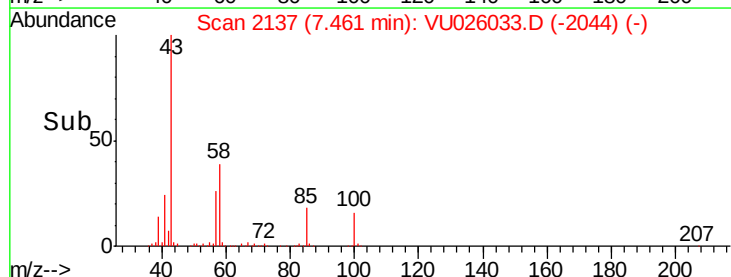
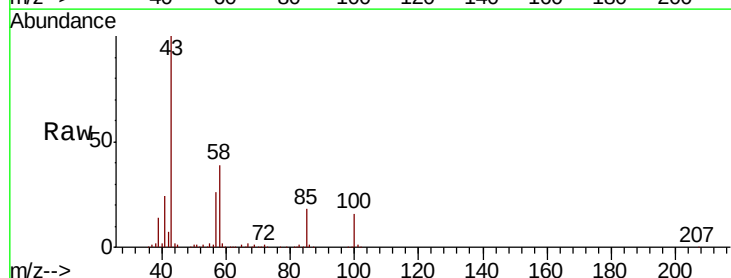
Instrument :
 MSVOA_U
 ClientSampleId :

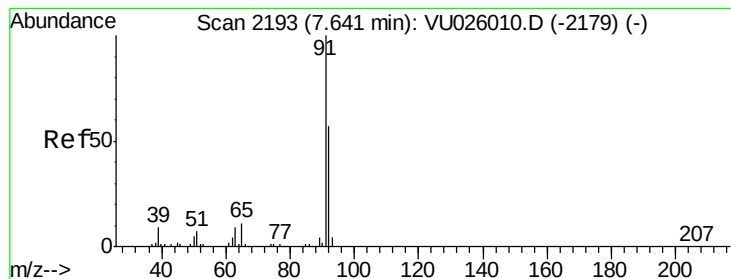
Tot Ion: 75 Resp: 166807
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 100.184 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion: 43 Resp: 310727
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.6 46.0
 100 15.4 11.8 17.6





#42

Toluene

Concen: 52.994 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

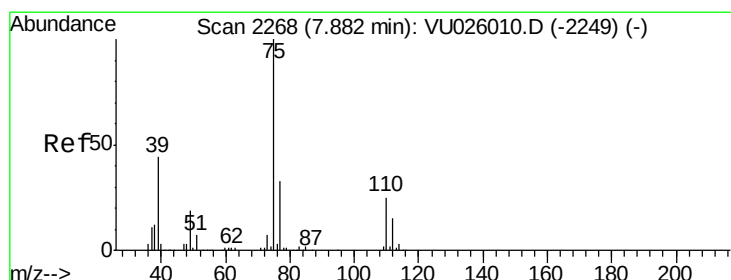
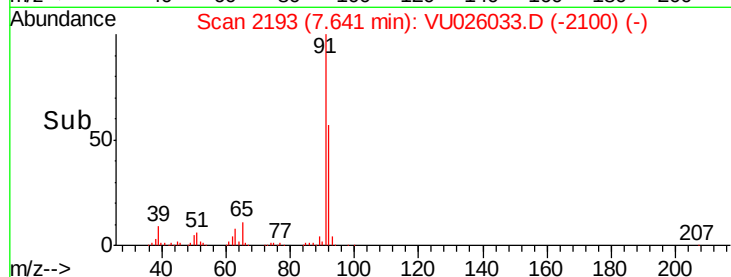
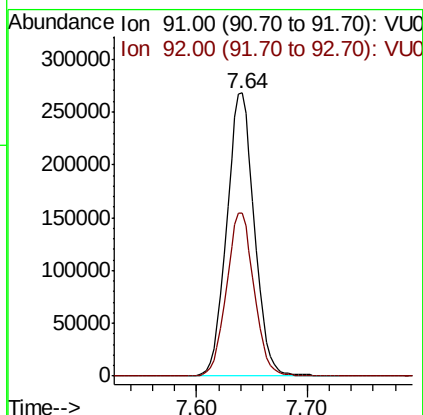
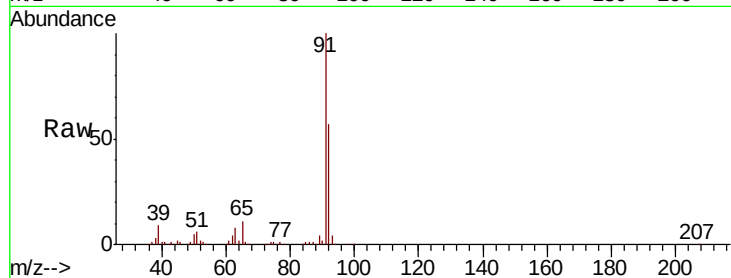
ClientSampleId :

Tot Ion: 91 Resp: 464055

Ion Ratio Lower Upper

91 100

92 57.5 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 47.973 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026033.D

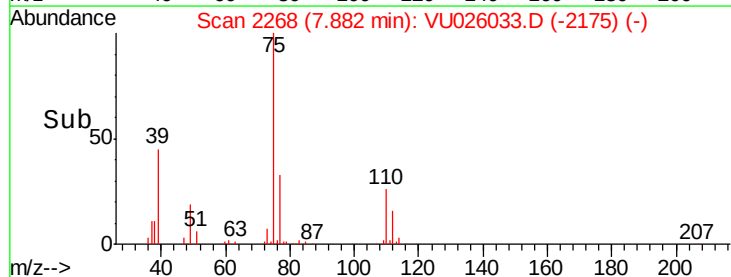
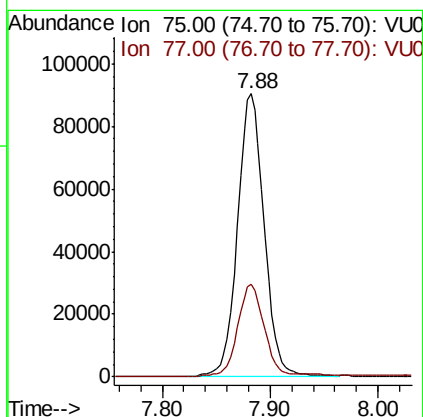
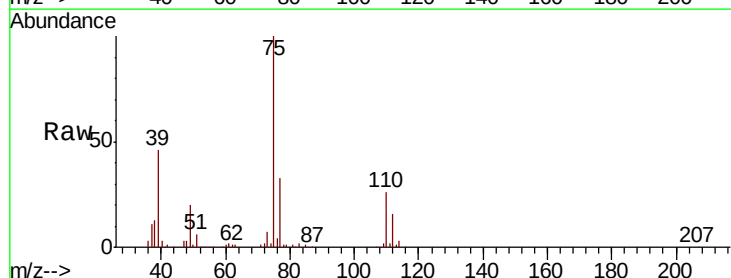
Acq: 10 Aug 2018 06:57

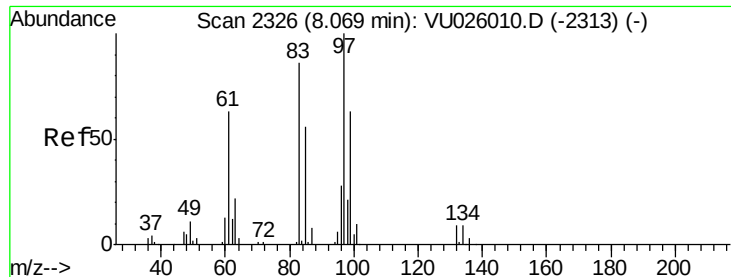
Tgt Ion: 75 Resp: 156216

Ion Ratio Lower Upper

75 100

77 32.7 23.0 42.6

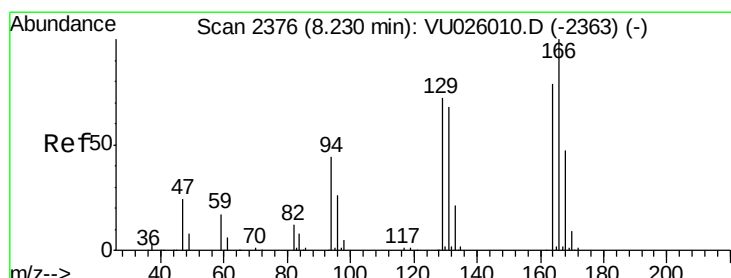
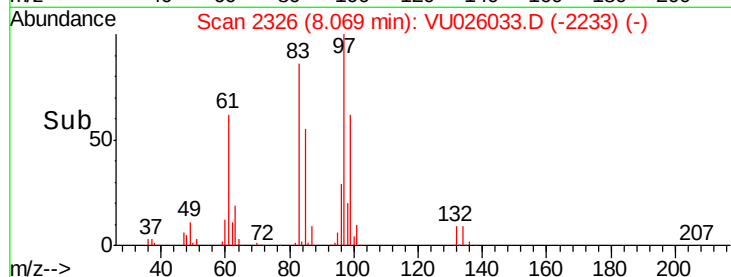
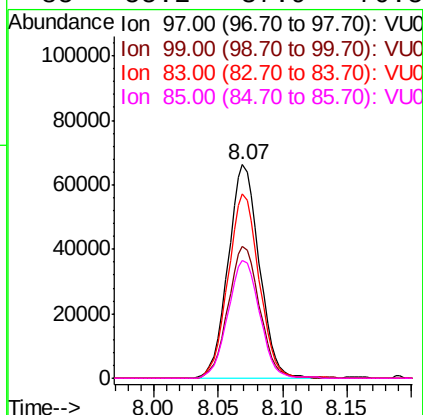
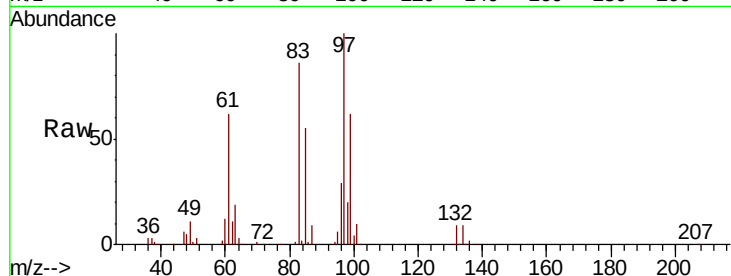




#45
 1,1,2-Trichloroethane
 Concen: 51.518 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

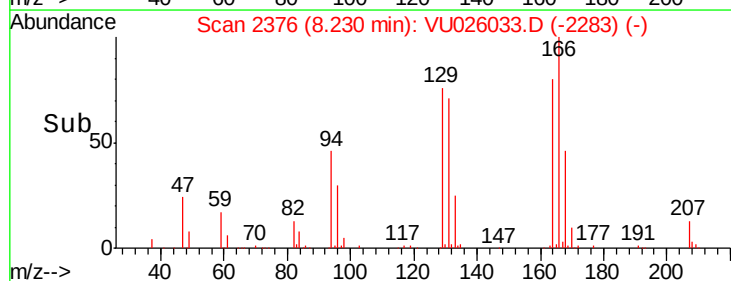
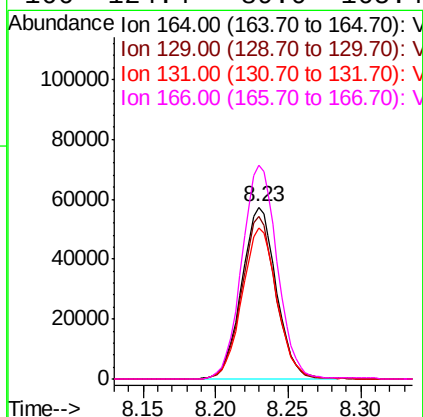
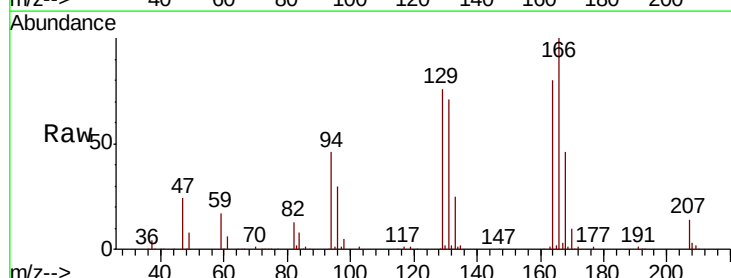
Instrument :
 MSVOA_U
 ClientSampleId :

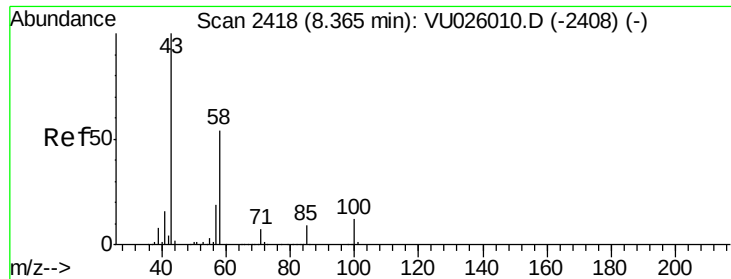
Tot Ion:	97	Resp:	110872
Ion	Ratio	Lower	Upper
97	100		
99	61.6	41.6	77.2
83	86.1	59.0	109.6
85	55.2	37.9	70.5



#46
 Tetrachloroethene
 Concen: 51.598 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion:	164	Resp:	94638
Ion	Ratio	Lower	Upper
164	100		
129	94.9	64.8	120.3
131	87.8	62.8	116.6
166	124.4	89.0	165.4

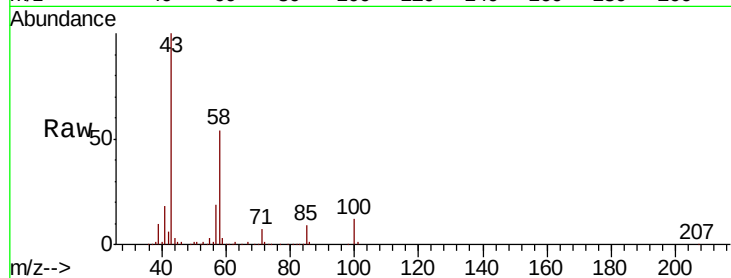




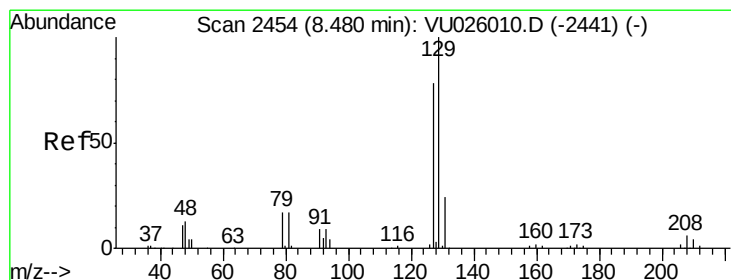
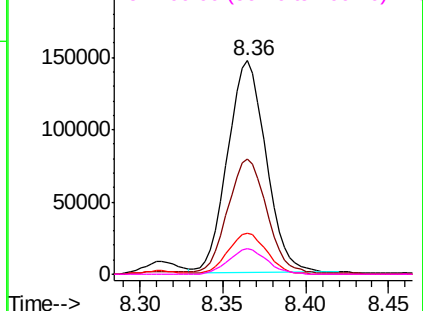
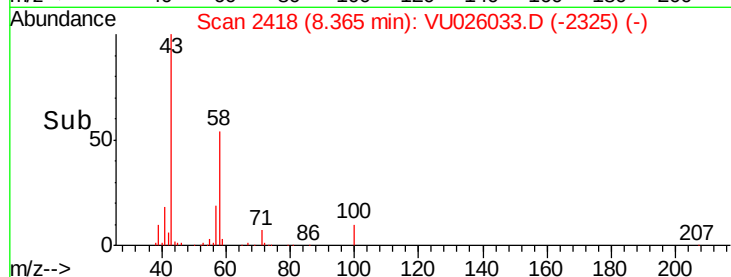
#48
2-Hexanone
Concen: 98.942 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026033.D
Acq: 10 Aug 2018 06:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	239077
Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.6	65.4
57	19.5	15.1	22.7
100	11.9	9.3	13.9

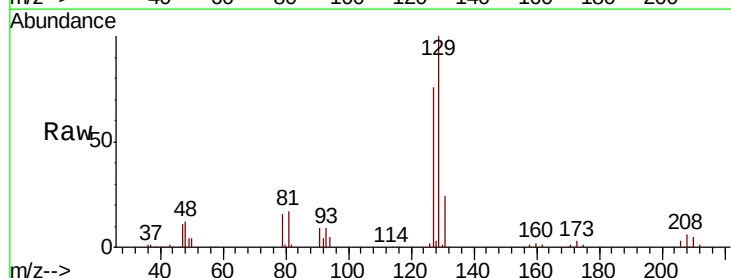


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

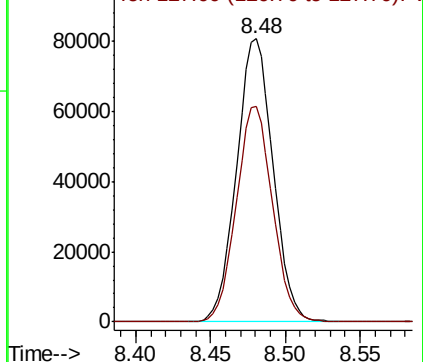
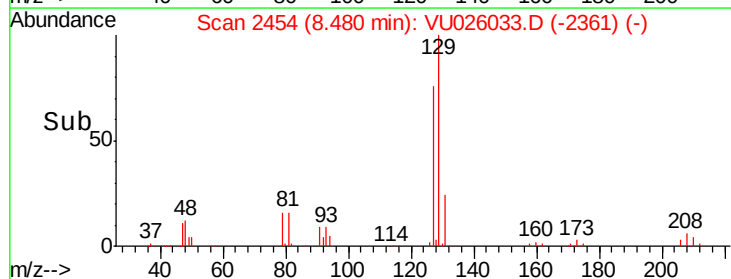


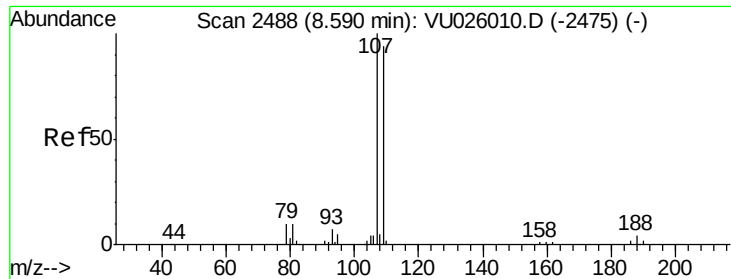
#49
Dibromochloromethane
Concen: 52.891 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026033.D
Acq: 10 Aug 2018 06:57

Tgt Ion:	129	Resp:	137260
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.5	99.3



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

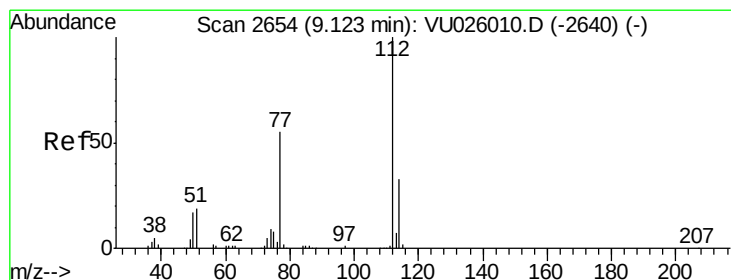
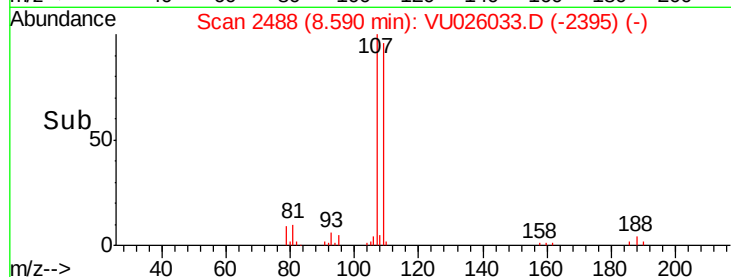
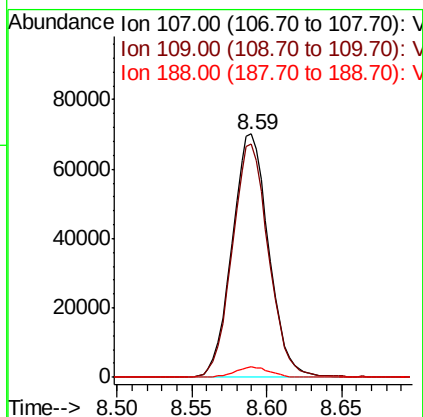
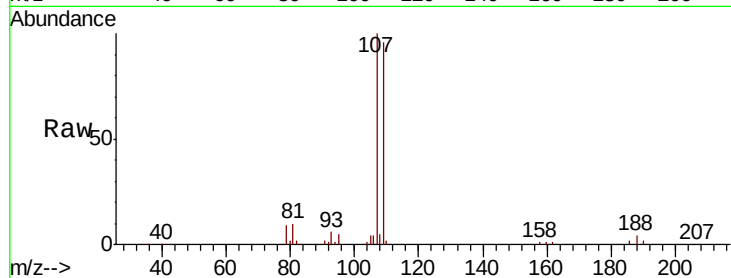




#50
 1,2-Dibromoethane
 Concen: 50.902 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

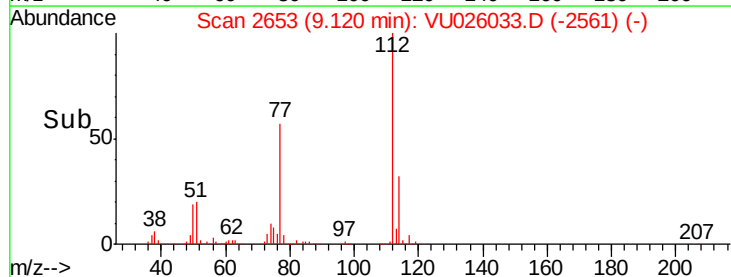
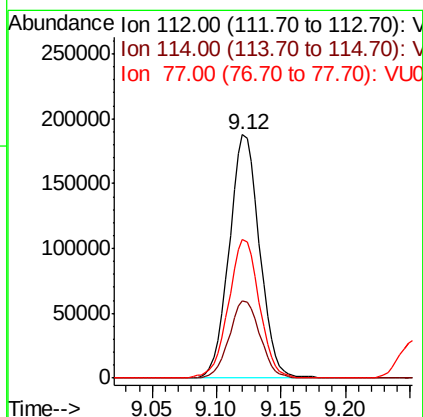
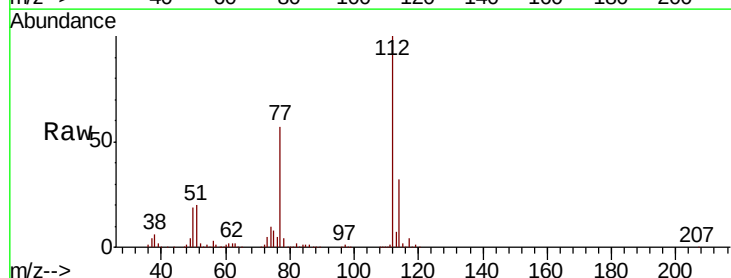
Instrument :
 MSVOA_U
 ClientSampleId :

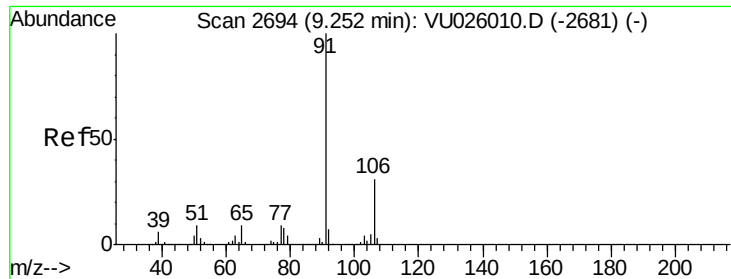
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	66.1	122.7
188	4.2	2.9	4.3



#51
 Chlorobenzene
 Concen: 51.881 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.3
77	56.8	45.2	67.8





#52

Ethylbenzene

Concen: 52.442 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

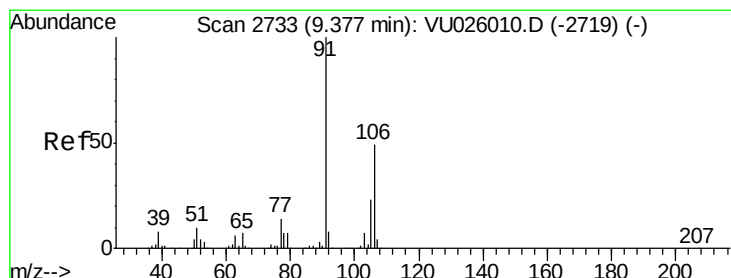
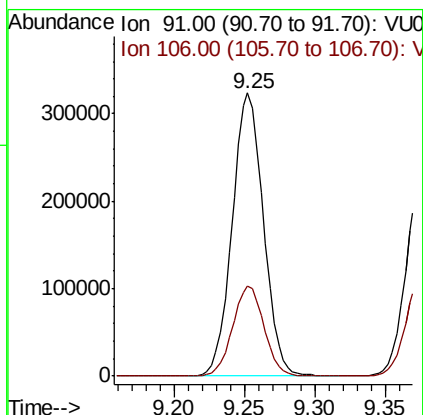
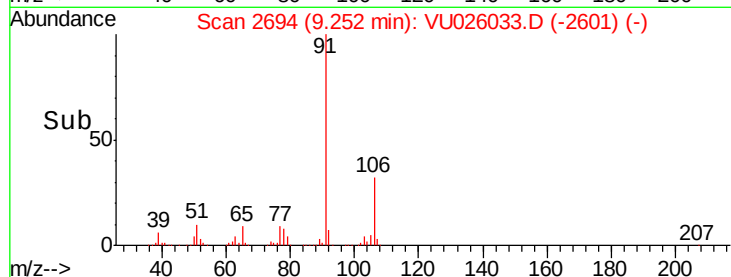
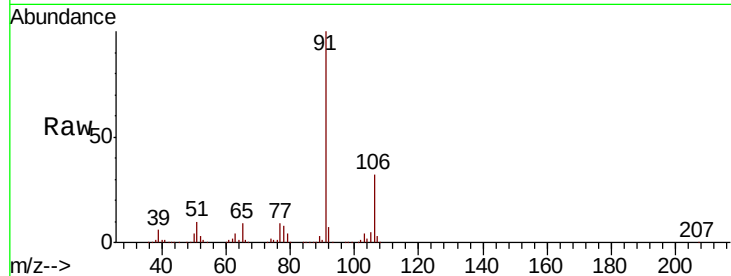
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 502494

Ion Ratio Lower Upper

91 100

106 32.0 22.0 41.0



#53

m,p-Xylene

Concen: 54.311 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026033.D

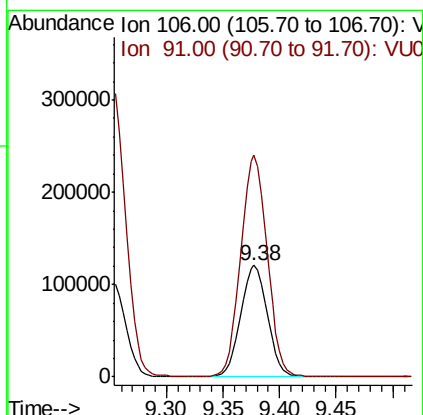
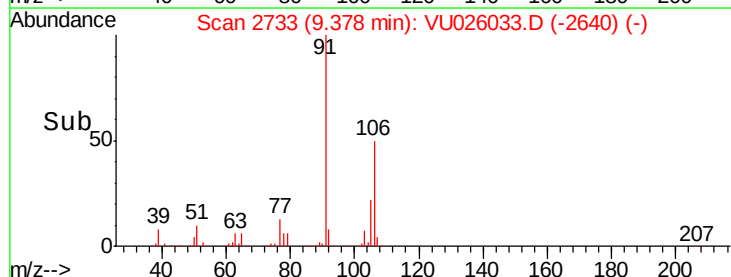
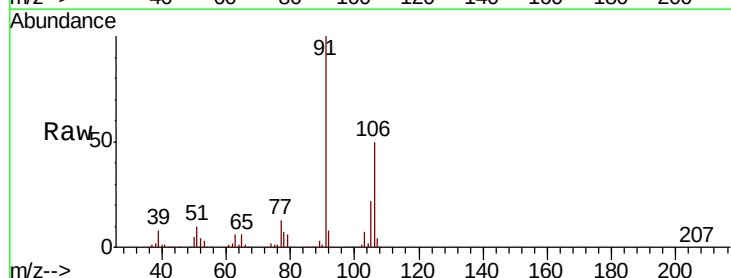
Acq: 10 Aug 2018 06:57

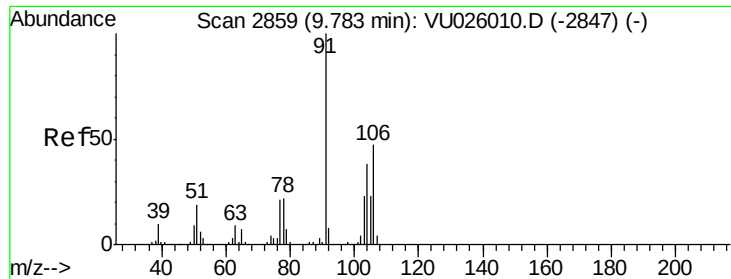
Tgt Ion: 106 Resp: 198850

Ion Ratio Lower Upper

106 100

91 199.4 141.3 262.5





#54

o-xylene

Concen: 53.807 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

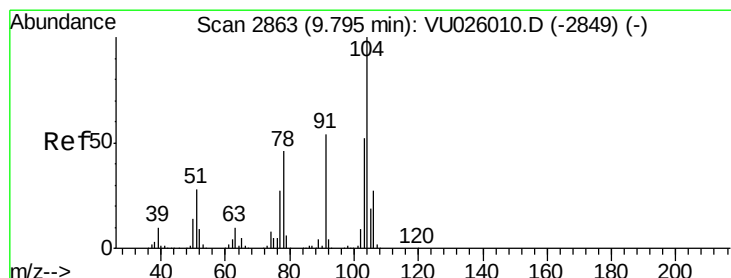
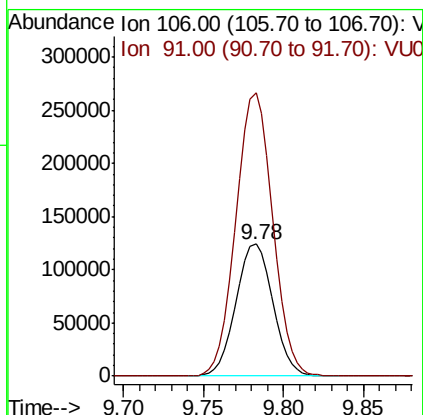
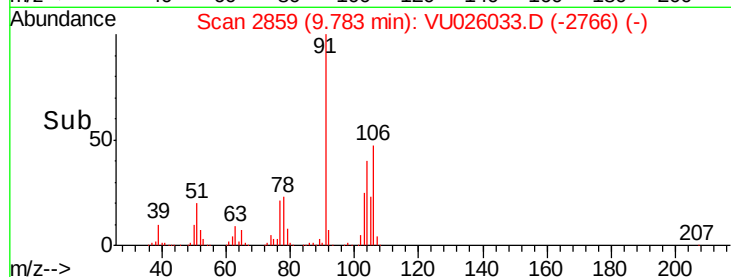
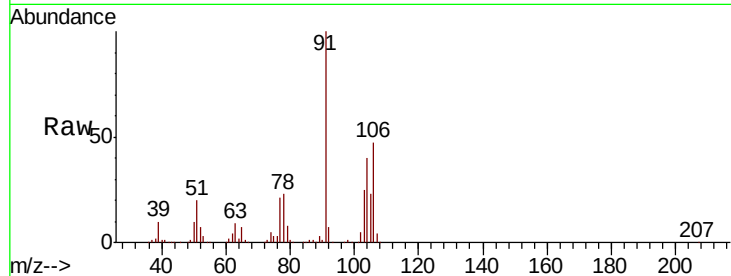
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 195524

Ion Ratio Lower Upper

106 100

91 214.2 151.2 280.8



#55

Styrene

Concen: 54.941 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026033.D

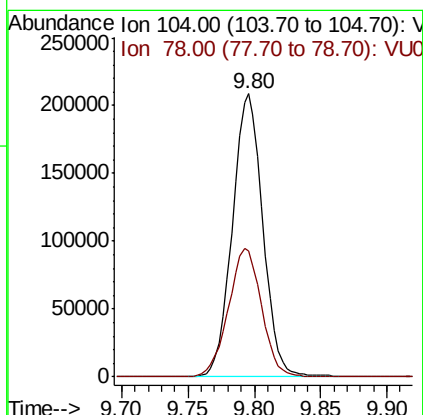
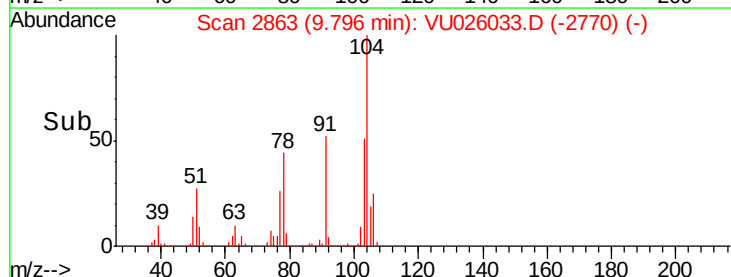
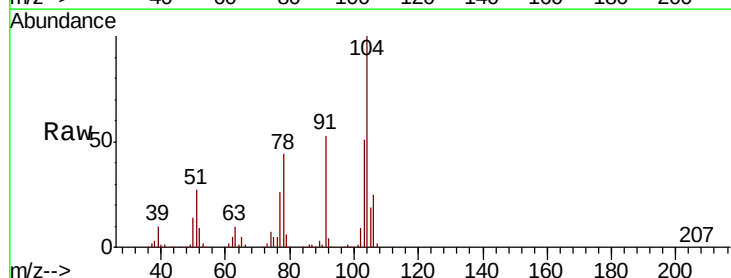
Acq: 10 Aug 2018 06:57

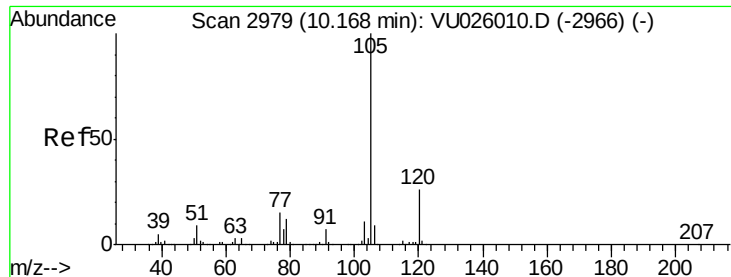
Tgt Ion:104 Resp: 332386

Ion Ratio Lower Upper

104 100

78 44.4 32.1 59.5





#56

Isopropylbenzene

Concen: 53.979 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

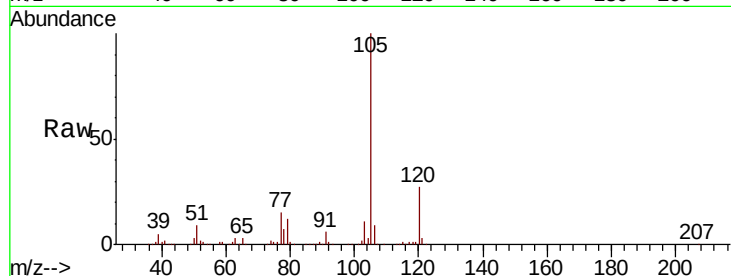
Tot Ion:105 Resp: 505319

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

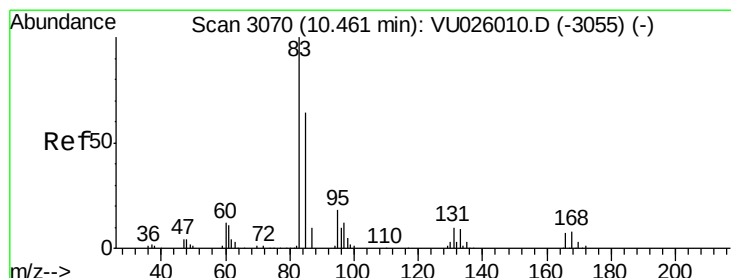
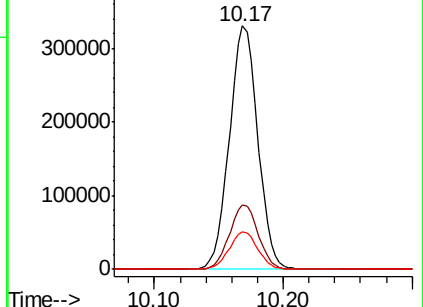
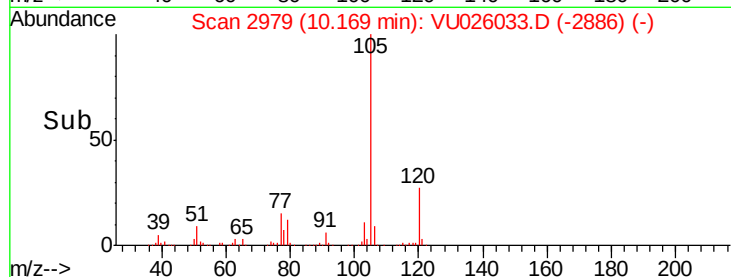
77 15.4 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.182 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

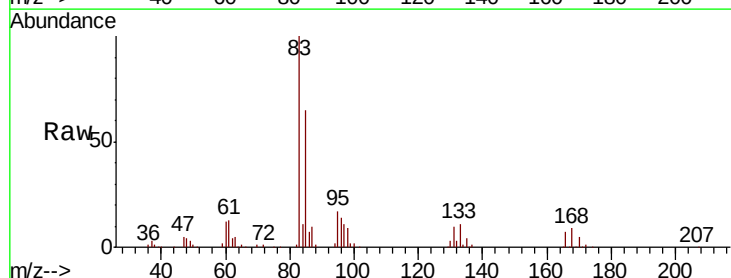
Tgt Ion: 83 Resp: 187204

Ion Ratio Lower Upper

83 100

85 64.5 45.0 83.6

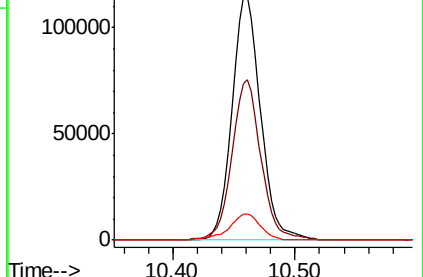
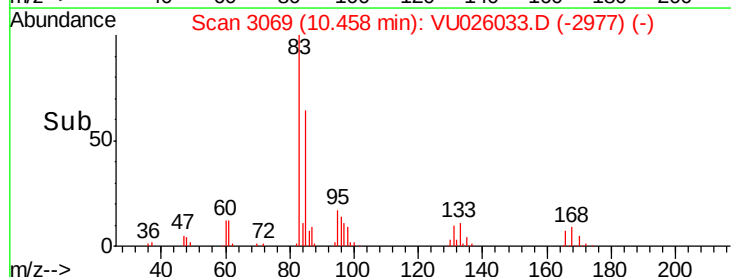
131 10.5 8.6 12.8

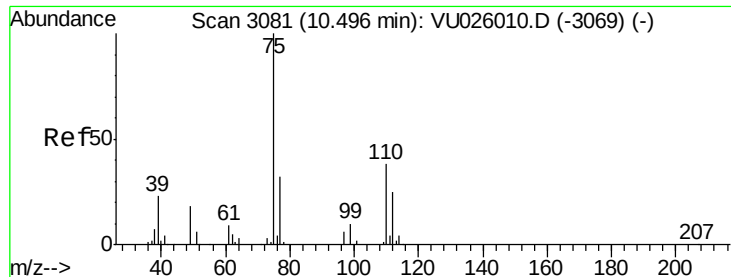


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

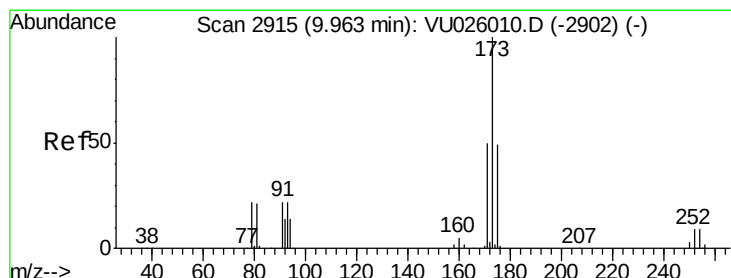
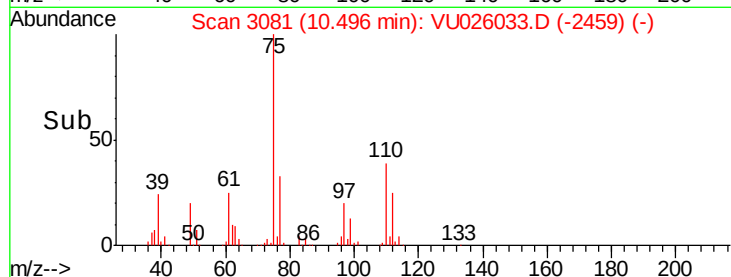
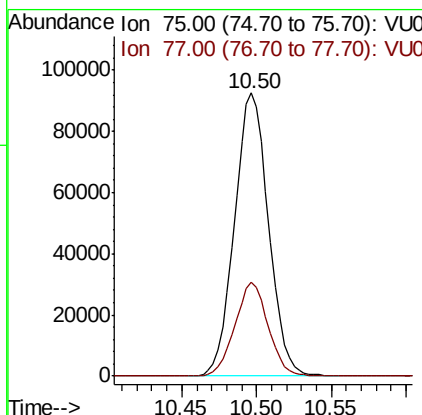
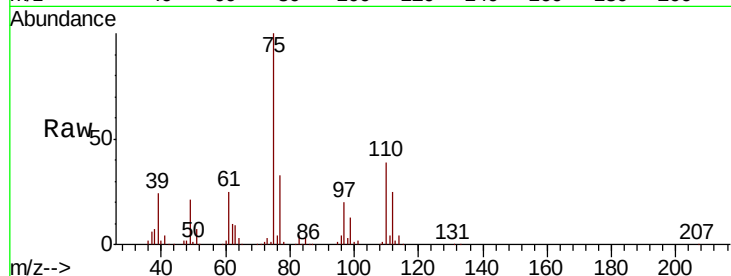




#59
 1,2,3-Trichloropropane
 Concen: 50.272 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

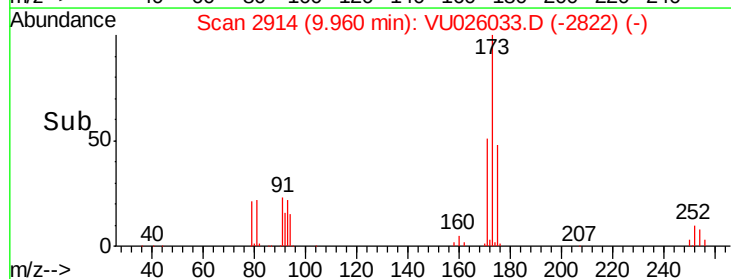
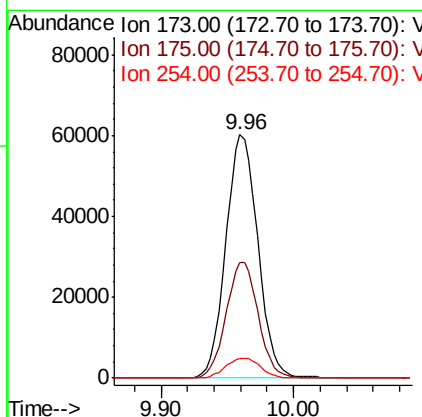
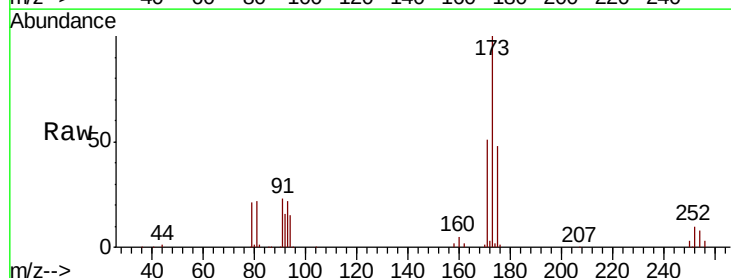
Instrument :
 MSVOA_U
 ClientSampleId :

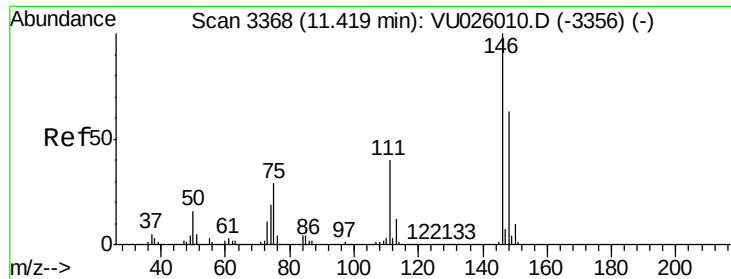
Tot Ion: 75 Resp: 146358
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.3 37.9



#61
 Bromoform
 Concen: 51.920 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion: 173 Resp: 100950
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.9 58.3
 254 8.9 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 52.444 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

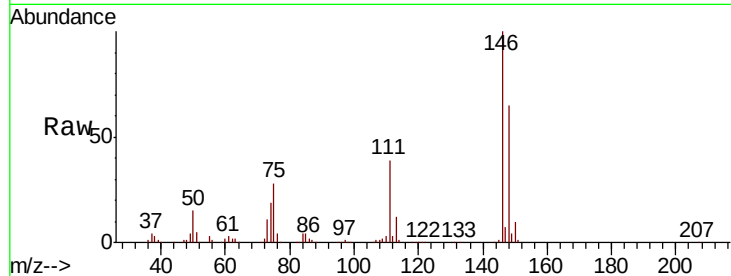
Tot Ion:146 Resp: 234460

Ion Ratio Lower Upper

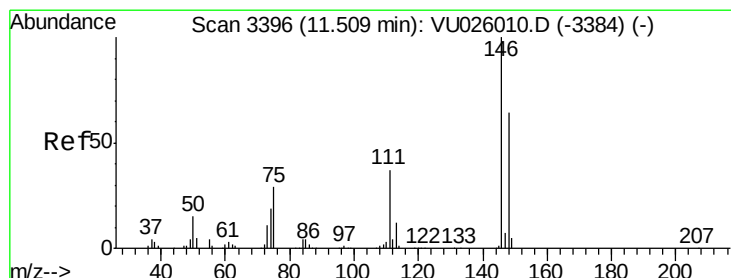
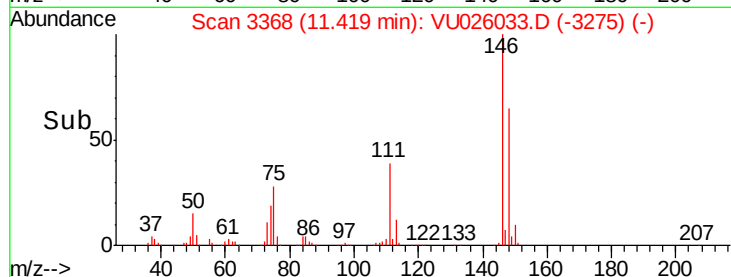
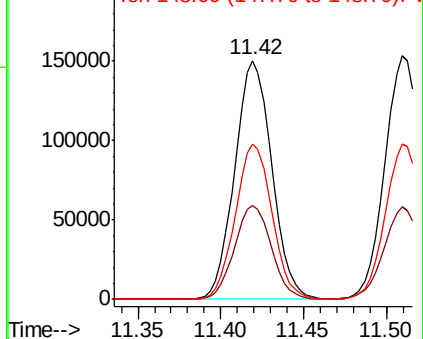
146 100

111 39.4 27.9 51.9

148 65.2 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: 50.897 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

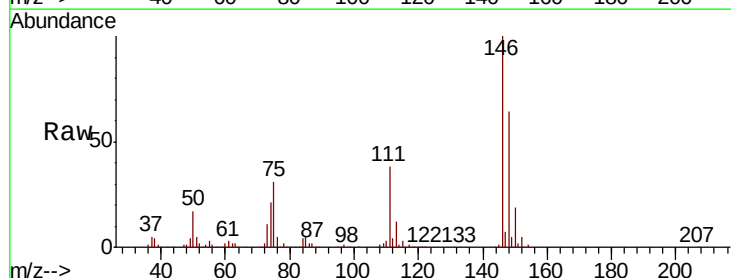
Tgt Ion:146 Resp: 238534

Ion Ratio Lower Upper

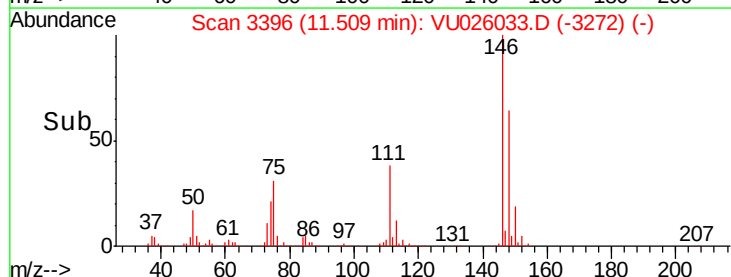
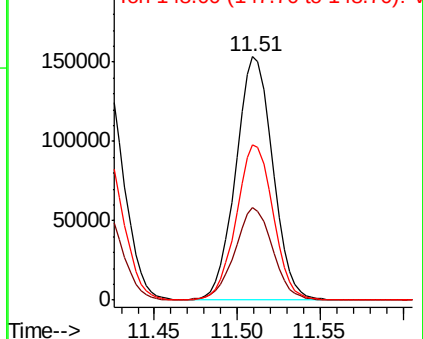
146 100

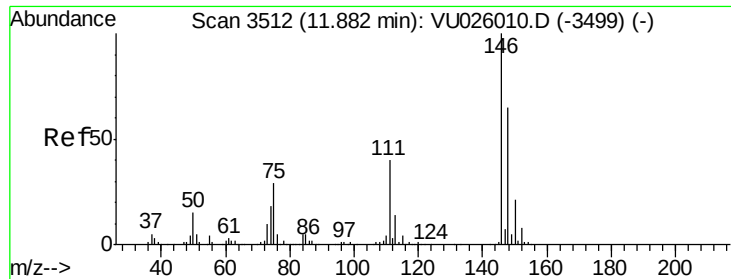
111 37.8 26.4 49.0

148 63.8 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

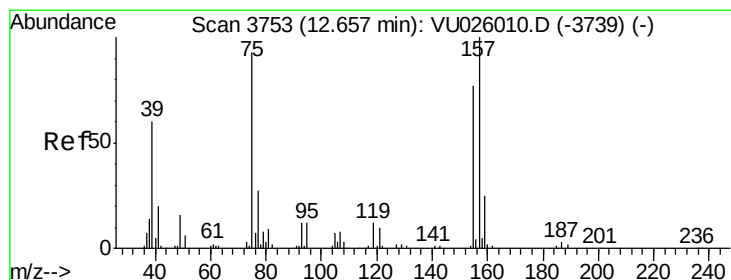
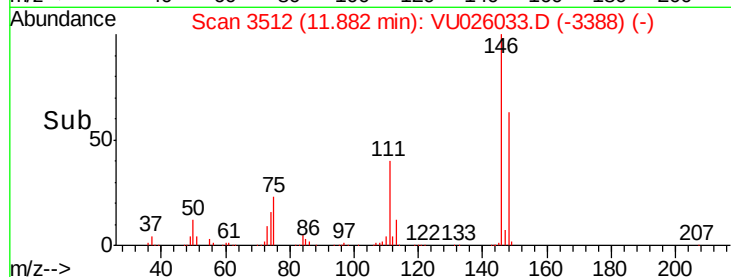
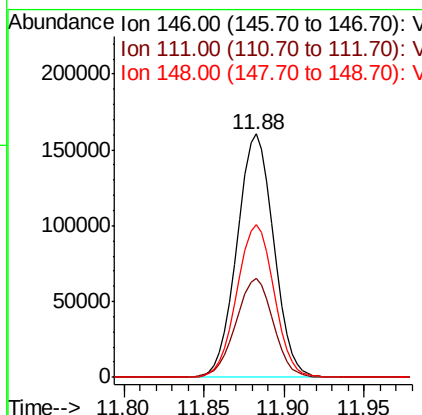
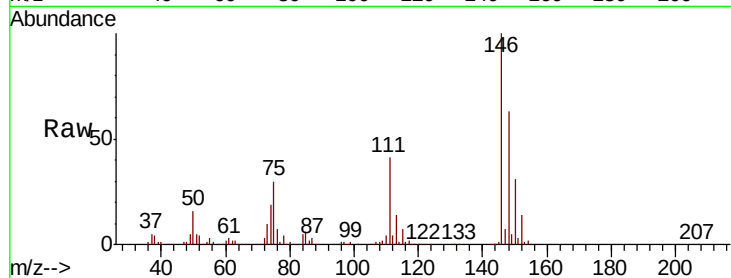




#65
 1,2-Dichlorobenzene
 Concen: 52.770 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

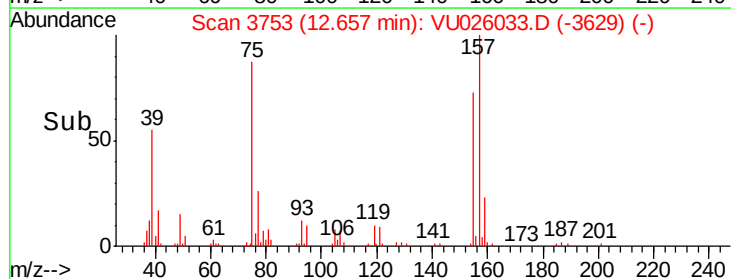
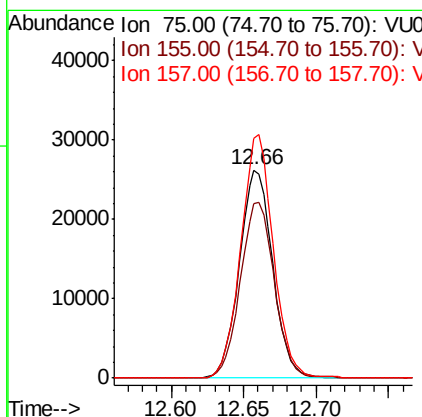
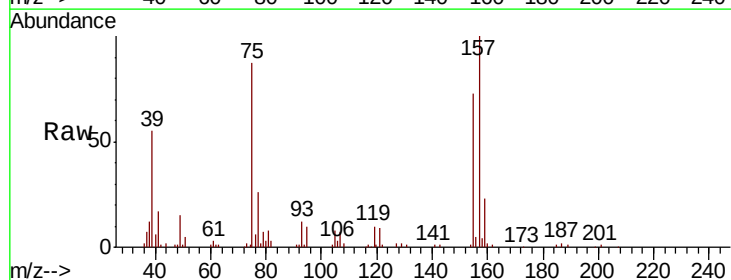
Instrument :
 MSVOA_U
 ClientSampleId :

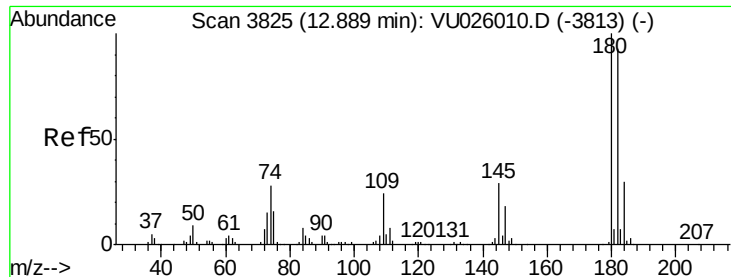
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	32.4	48.6
148	62.9	50.1	75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.049 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	71.8	107.8
157	115.4	93.0	139.6

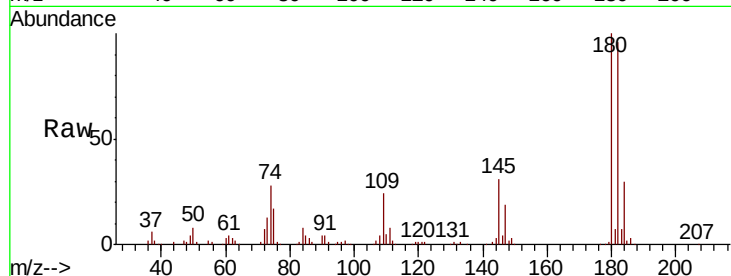




#67
 1,3,5-Trichlorobenzene
 Concen: 52.077 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.5	114.7
184	29.9	24.3	36.5
145	29.9	23.5	35.3



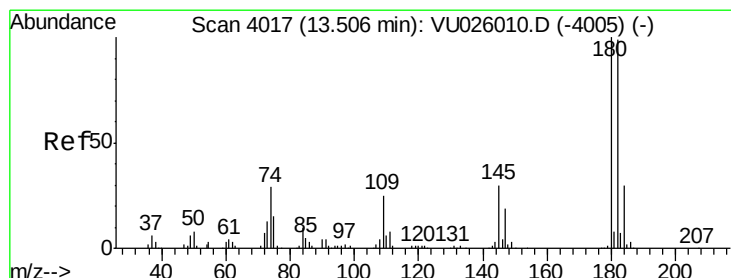
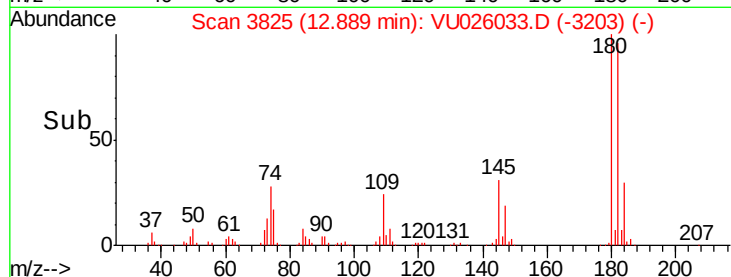
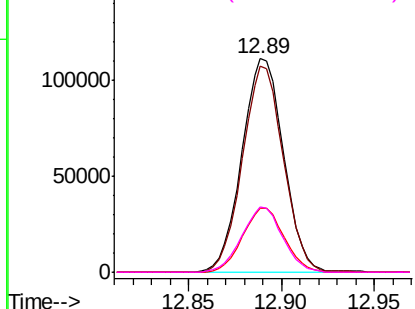
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

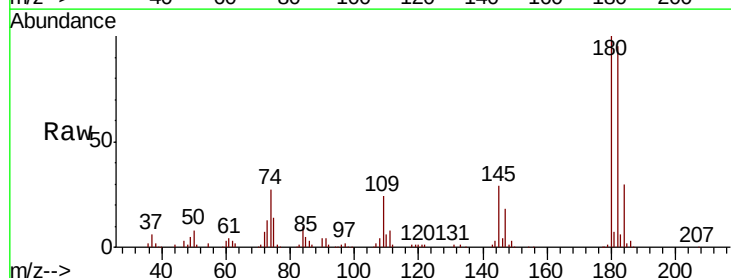
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.684 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026033.D
 Acq: 10 Aug 2018 06:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.5	114.7
145	29.3	24.2	36.4

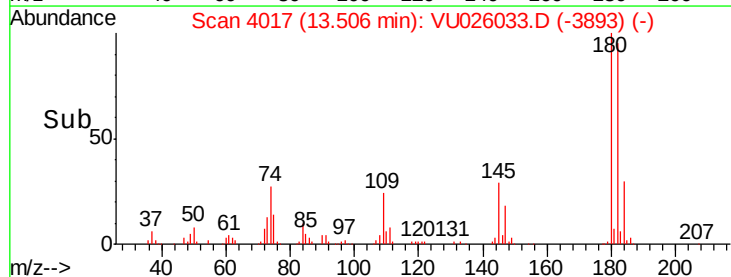
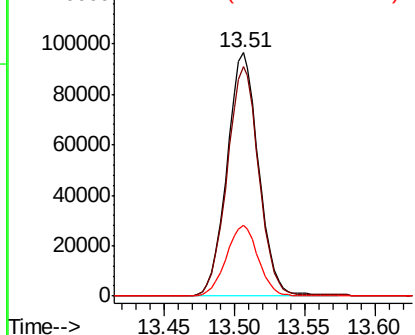


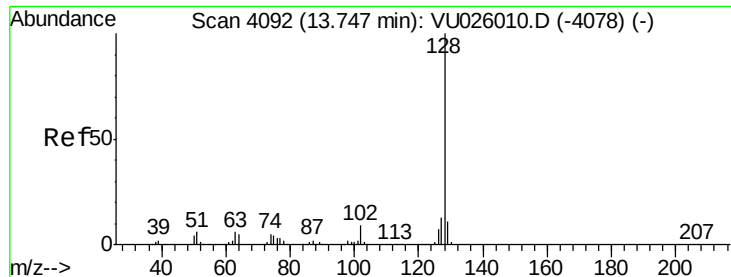
Abundance

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: 50.967 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

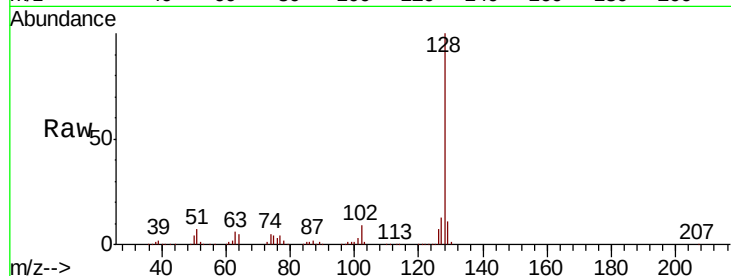
Tot Ion:128 Resp: 464590

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.6 13.0

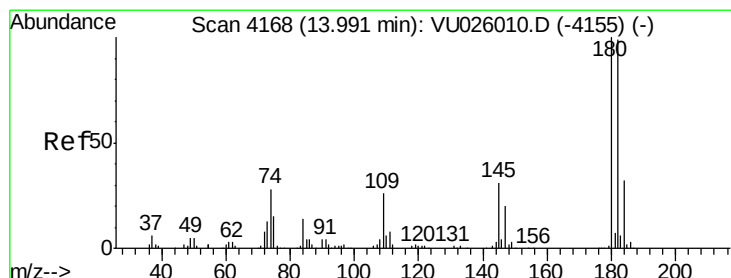
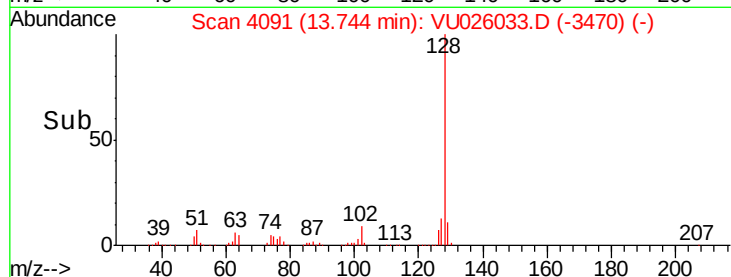
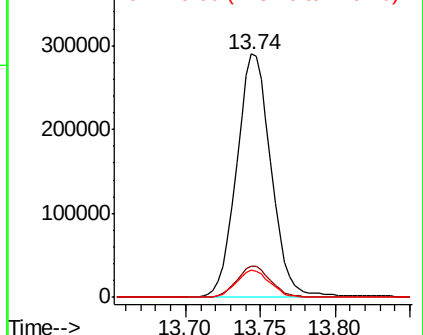


Abundance

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: 52.396 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026033.D

Acq: 10 Aug 2018 06:57

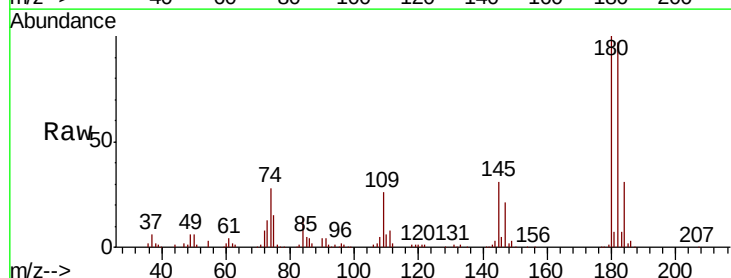
Tgt Ion:180 Resp: 159121

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 31.1 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

