

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026425.D
 Acq On : 29 Aug 2018 15:42
 Operator : MD/SY
 Sample : VSTD10050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 01:57:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 01:55:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	156746	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	155804	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	84968	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	97967	100.88	ug/L	0.00
7) Chloroethane-d5	1.67	69	89196	101.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	220997	101.05	ug/L	0.00
21) 2-Butanone-d5	4.18	46	159420	211.50	ug/L	0.00
24) Chloroform-d	4.65	84	187938	102.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	123892	101.45	ug/L	0.00
32) Benzene-d6	5.34	84	371636	103.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	125105	101.41	ug/L	0.00
41) Toluene-d8	7.57	98	369633	106.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	61654	109.44	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	130920	231.40	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	189669	104.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	157585	102.22	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123608	101.135	ug/L	98
3) Chloromethane	1.33	50	152728	101.204	ug/L	100
5) Vinyl chloride	1.40	62	165620	101.232	ug/L	99
6) Bromomethane	1.61	94	98653	101.712	ug/L	100
8) Chloroethane	1.69	64	100455	102.266	ug/L	98
9) Trichlorofluoromethane	1.88	101	208974	100.447	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	117252	101.007	ug/L	99
12) 1,1-Dichloroethene	2.28	96	113399	101.354	ug/L	94
13) Acetone	2.32	43	121045	185.457	ug/L	100
14) Carbon disulfide	2.47	76	322096	101.728	ug/L	99
15) Methyl Acetate	2.62	43	129748	101.242	ug/L	99
16) Methylene chloride	2.70	84	115726	100.604	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	104392	103.154	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	324724	105.700	ug/L	100
19) 1,1-Dichloroethane	3.45	63	202907	102.039	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	120359	106.165	ug/L	100
22) 2-Butanone	4.26	43	189517	216.022	ug/L	100
23) Bromochloromethane	4.55	128	61333	105.008	ug/L	92
25) Chloroform	4.68	83	206251	101.563	ug/L	98
27) 1,2-Dichloroethane	5.41	62	168211	102.703	ug/L	99
29) Cyclohexane	5.00	56	185657	109.366	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	173036	100.923	ug/L	100
31) Carbon tetrachloride	5.14	117	158913	102.008	ug/L	100
33) Benzene	5.39	78	459149	102.793	ug/L	100
34) Trichloroethene	6.19	95	115213	102.833	ug/L	99
35) Methylcyclohexane	6.42	83	192196	109.860	ug/L	99
37) 1,2-Dichloropropane	6.44	63	127983	103.499	ug/L	100
38) Bromodichloromethane	6.76	83	158057	100.233	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	194602	110.446	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	362941	217.636	ug/L	99

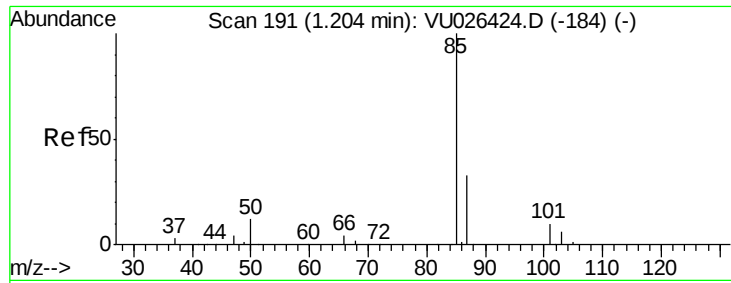
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 01:55:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	498059	106.861	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	183288	109.141	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	115213	101.705	ug/L	98
46) Tetrachloroethene	8.23	164	95723	104.500	ug/L	96
48) 2-Hexanone	8.36	43	290855	221.449	ug/L	99
49) Dibromochloromethane	8.48	129	133102	104.279	ug/L	98
50) 1,2-Dibromoethane	8.59	107	126036	104.482	ug/L	97
51) Chlorobenzene	9.12	112	322455	103.458	ug/L	98
52) Ethylbenzene	9.25	91	558482	110.173	ug/L	100
53) m,p-Xylene	9.38	106	213457	112.775	ug/L	98
54) o-xylene	9.78	106	208432	112.922	ug/L	98
55) Styrene	9.80	104	369533	114.603	ug/L	98
56) Isopropylbenzene	10.17	105	550119	113.857	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	209193	104.836	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	161290	104.533	ug/L	99
61) Bromoform	9.96	173	105863	100.947	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	256251	103.063	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	265840	101.087	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	269241	102.666	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	44716	101.404	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	210773	105.043	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	191230	109.115	ug/L	100
69) Naphthalene	13.74	128	624377	114.104	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	202183	105.065	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 101.135 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

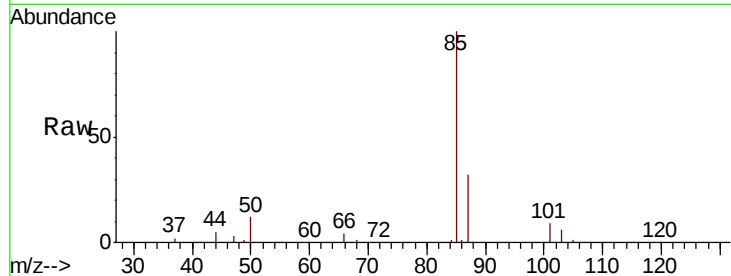
ClientSampleId :

Tot Ion: 85 Resp: 123608

Ion Ratio Lower Upper

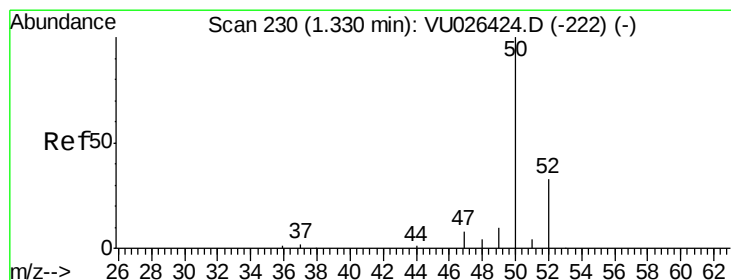
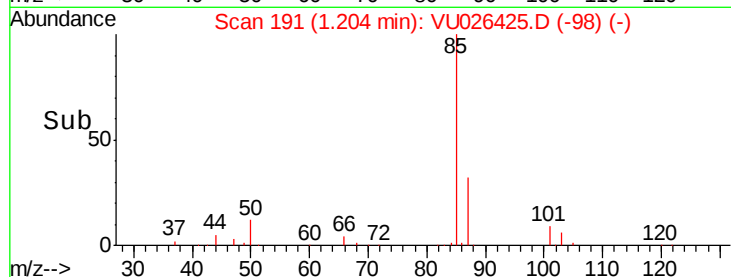
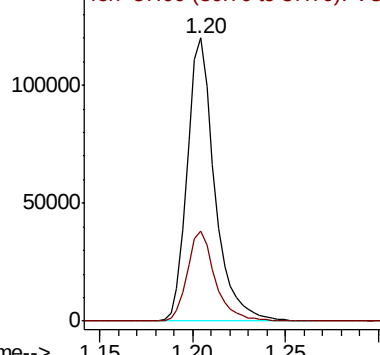
85 100

87 32.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 101.204 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026425.D

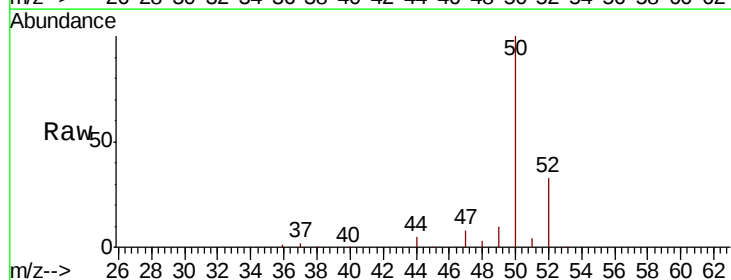
Acq: 29 Aug 2018 15:42

Tgt Ion: 50 Resp: 152728

Ion Ratio Lower Upper

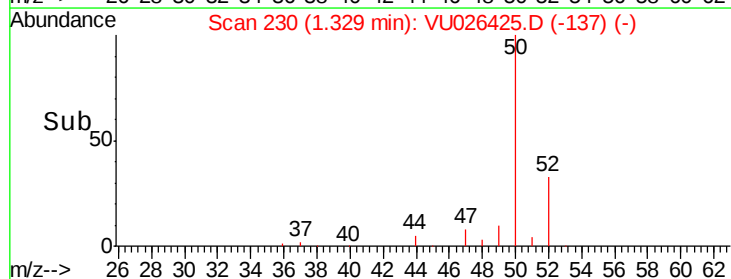
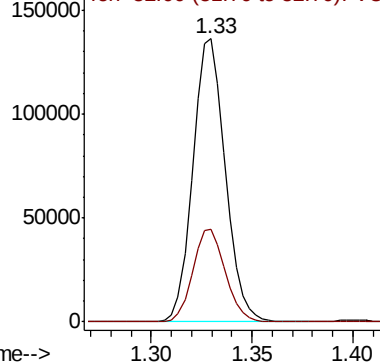
50 100

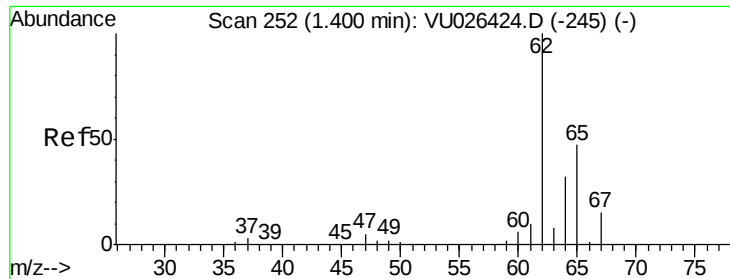
52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 101.232 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

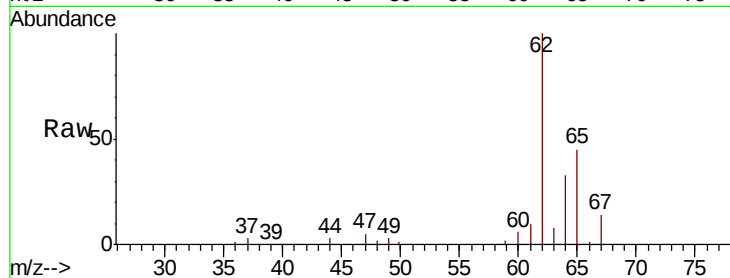
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 165620

Ion Ratio Lower Upper

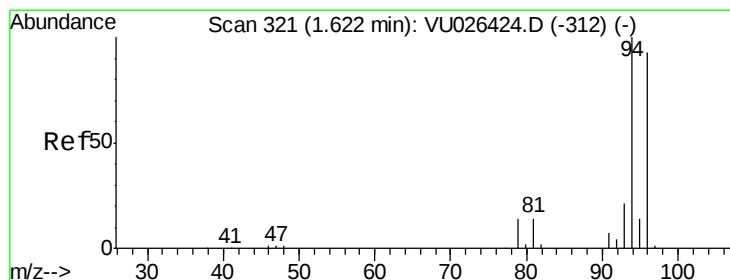
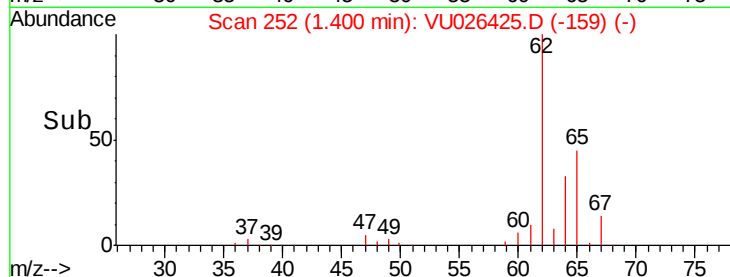
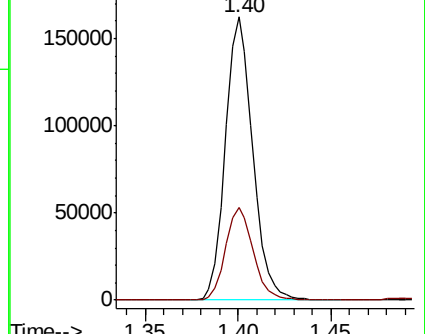
62 100

64 32.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 101.712 ug/L

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU026425.D

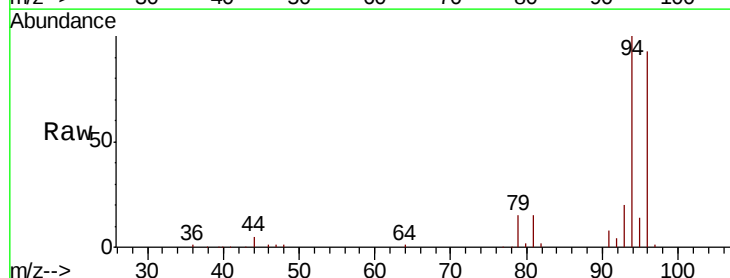
Acq: 29 Aug 2018 15:42

Tgt Ion: 94 Resp: 98653

Ion Ratio Lower Upper

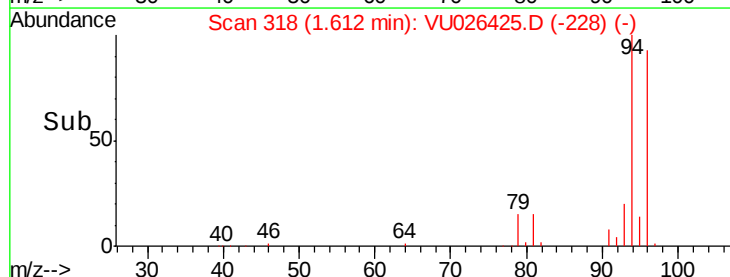
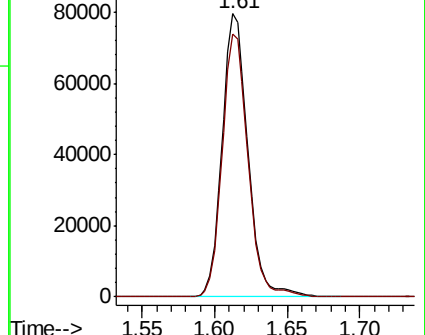
94 100

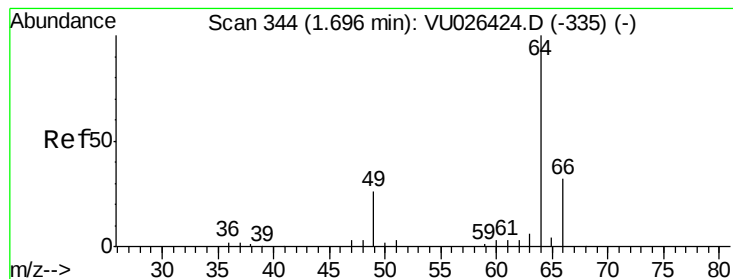
96 93.1 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 102.266 ug/L

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

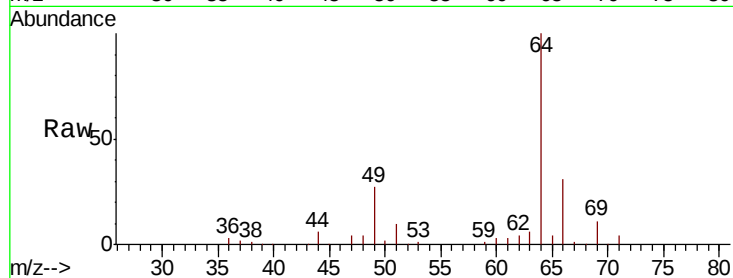
ClientSampleId :

Tot Ion: 64 Resp: 100455

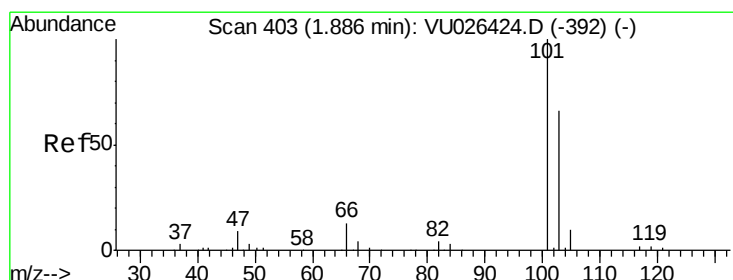
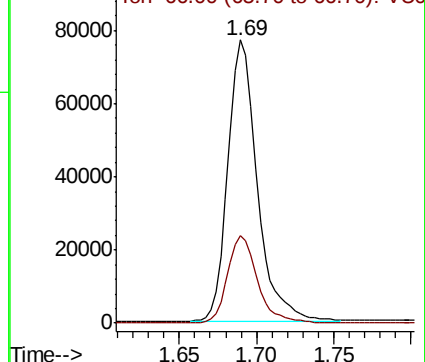
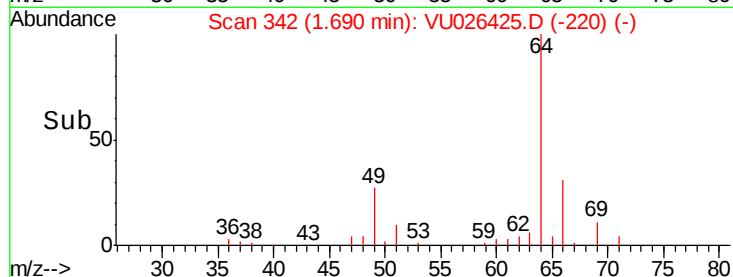
Ion Ratio Lower Upper

64 100

66 30.8 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026425.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 100.447 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU026425.D

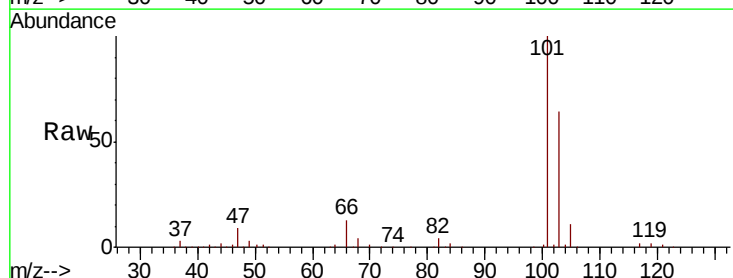
Acq: 29 Aug 2018 15:42

Tgt Ion: 101 Resp: 208974

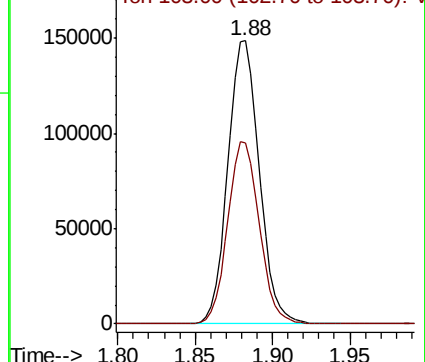
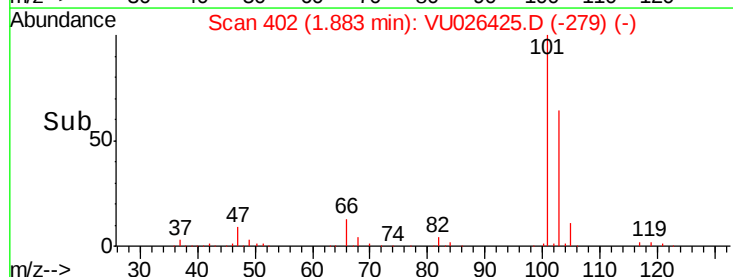
Ion Ratio Lower Upper

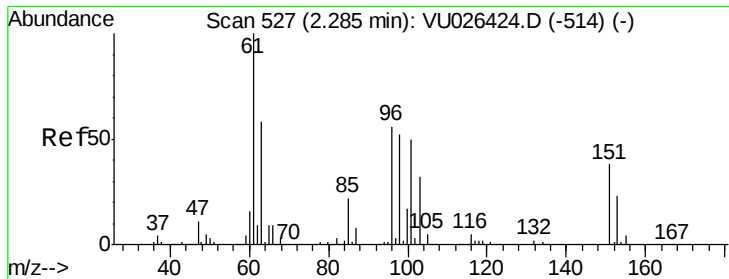
101 100

103 64.7 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026425.D (-279) (-)





#10

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

Concen: 101.007 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

ClientSampled :

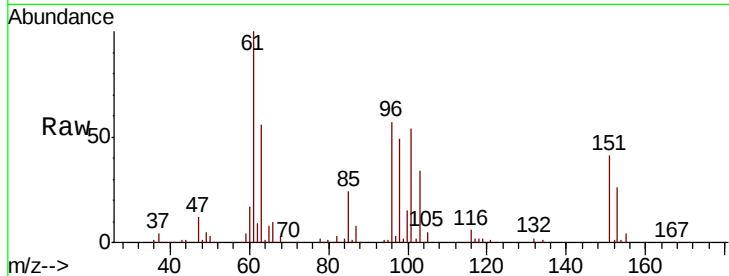
Tot Ion:101 Resp: 117252

Ion Ratio Lower Upper

101 100

85 43.1 35.3 52.9

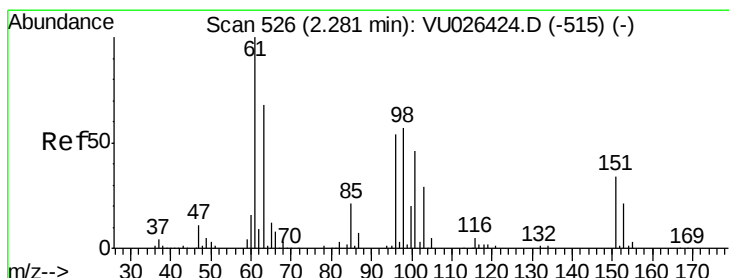
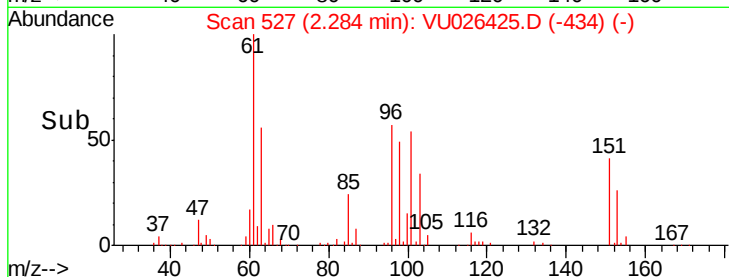
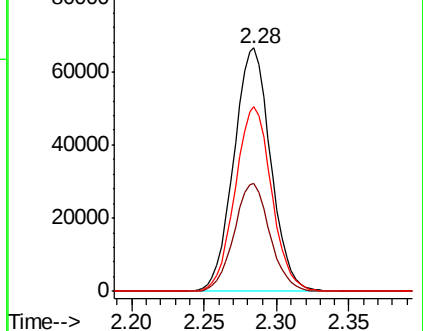
151 75.2 60.7 91.1



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: 101.354 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

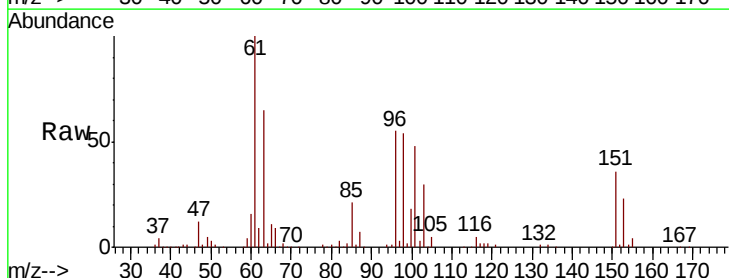
Tgt Ion: 96 Resp: 113399

Ion Ratio Lower Upper

96 100

61 181.5 129.3 240.1

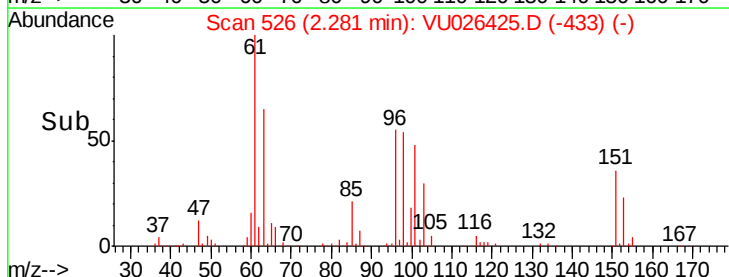
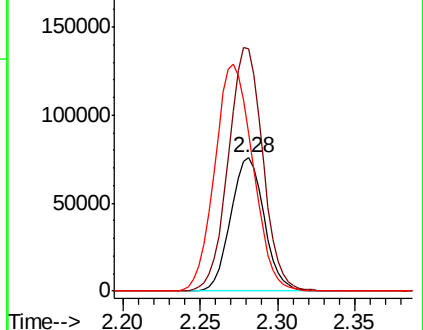
63 118.0 91.7 170.3

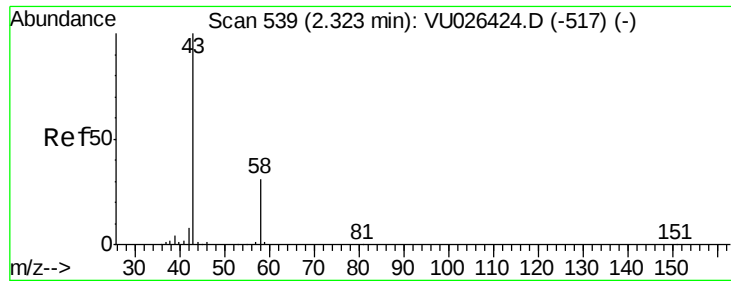


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 185.457 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

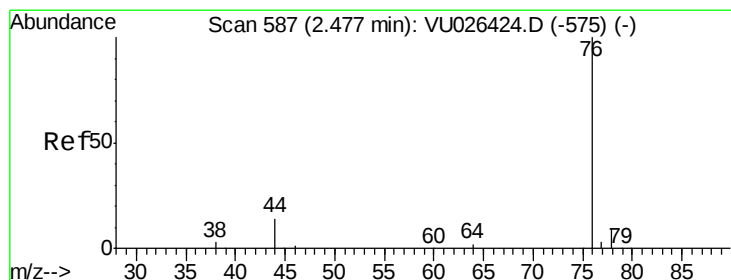
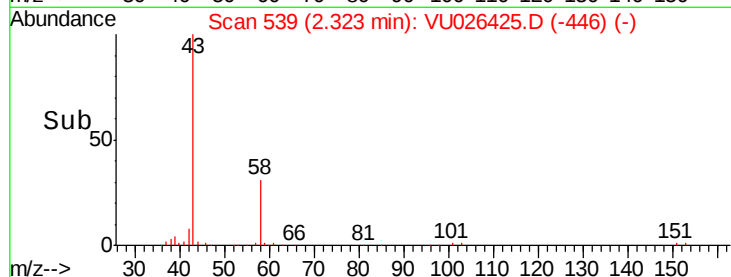
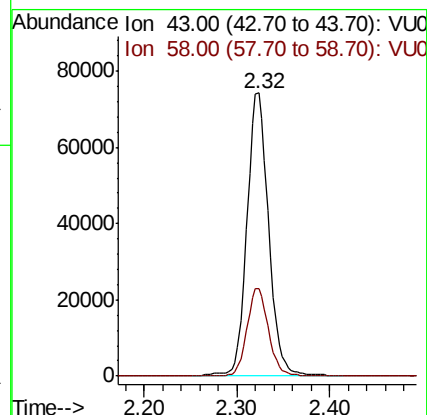
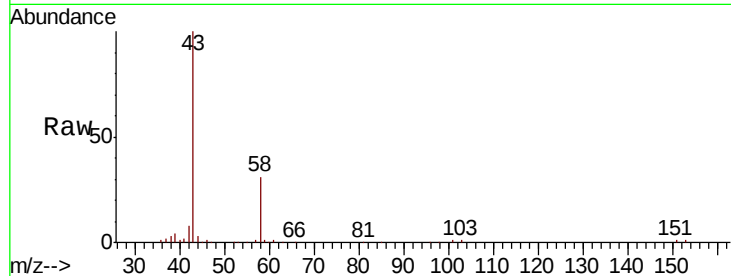
ClientSampled :

Tot Ion: 43 Resp: 121045

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 101.728 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU026425.D

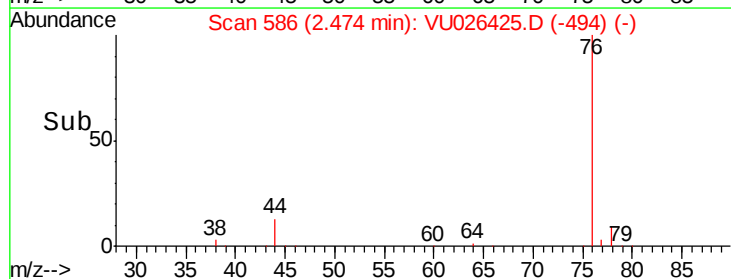
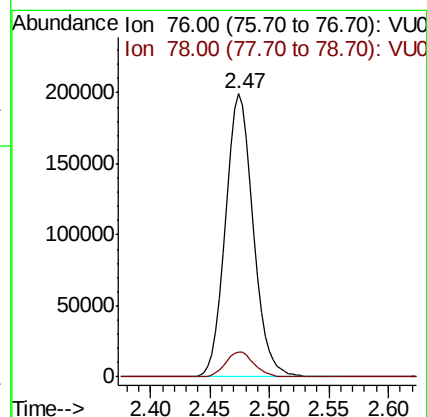
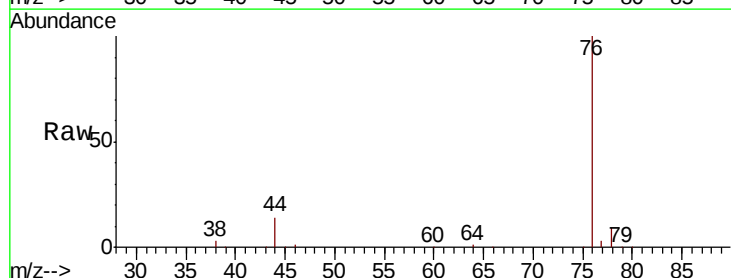
Acq: 29 Aug 2018 15:42

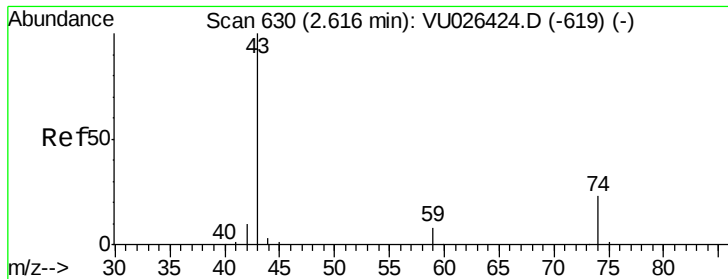
Tgt Ion: 76 Resp: 322096

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

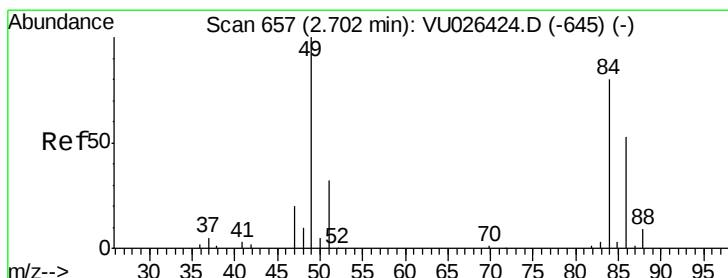
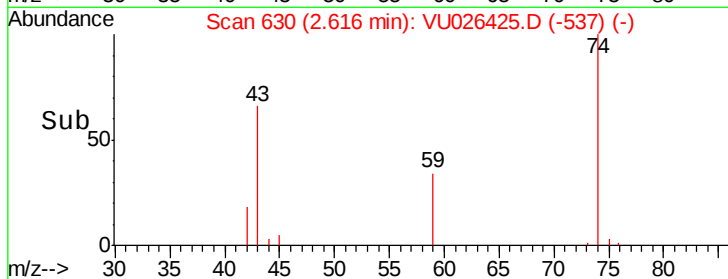
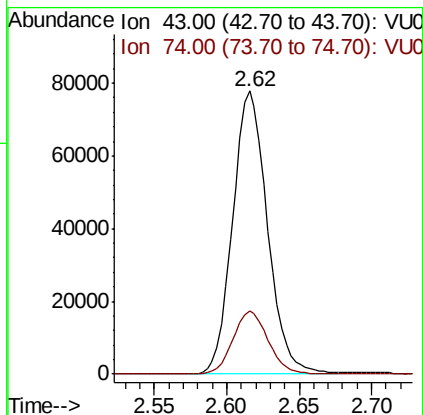
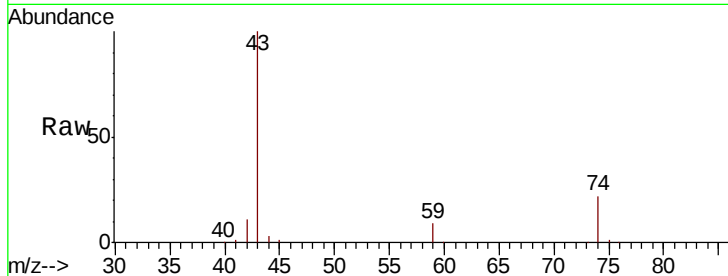




#15
Methvl Acetate
Concen: 101.242 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

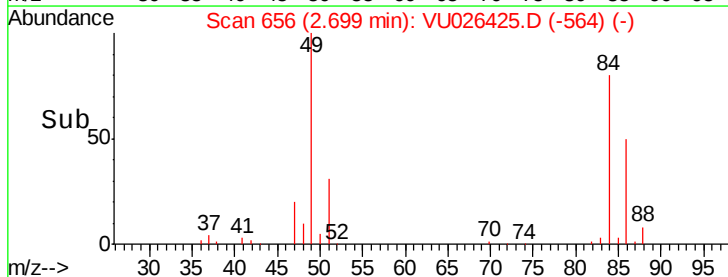
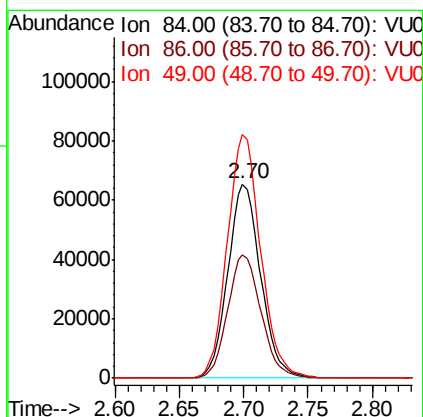
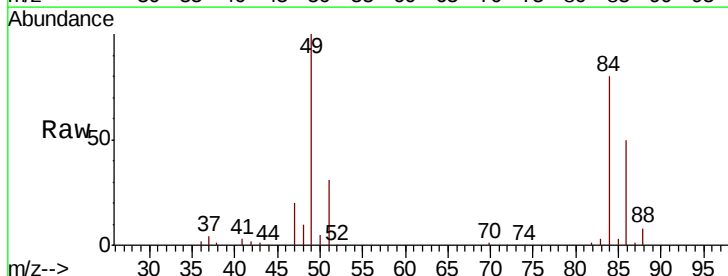
Instrument :
MSVOA_U
ClientSampleId :

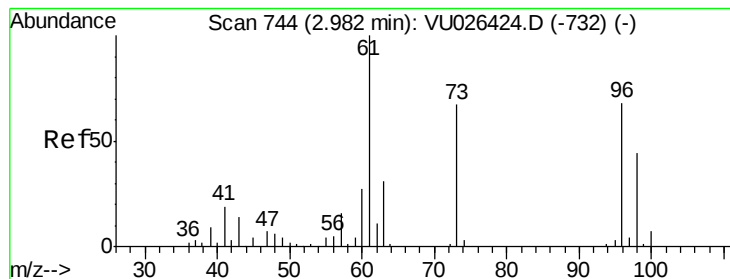
Tot Ion: 43 Resp: 129748
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.6



#16
Methylene chloride
Concen: 100.604 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Tgt Ion: 84 Resp: 115726
Ion Ratio Lower Upper
84 100
86 63.4 46.2 85.8
49 125.7 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 103.154 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :
MSVOA_U
ClientSampled :

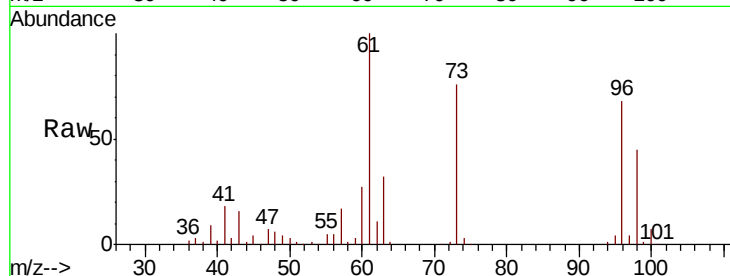
Tot Ion: 96 Resp: 104392

Ion Ratio Lower Upper

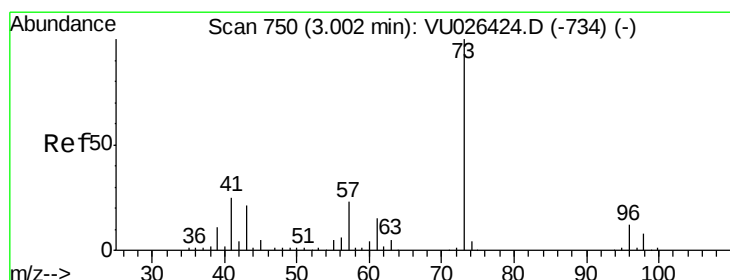
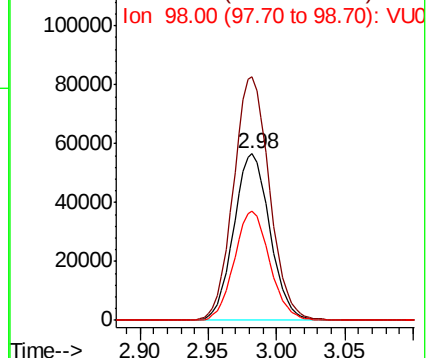
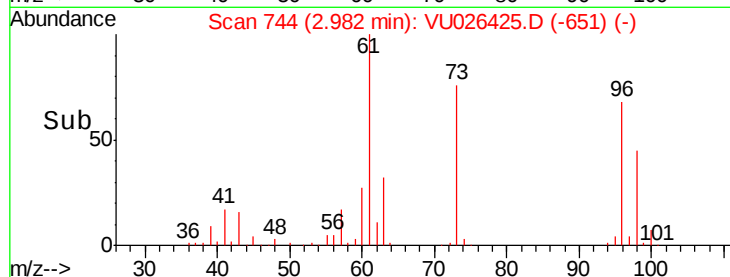
96 100

61 146.1 103.2 191.6

98 65.5 44.9 83.3



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: 105.700 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

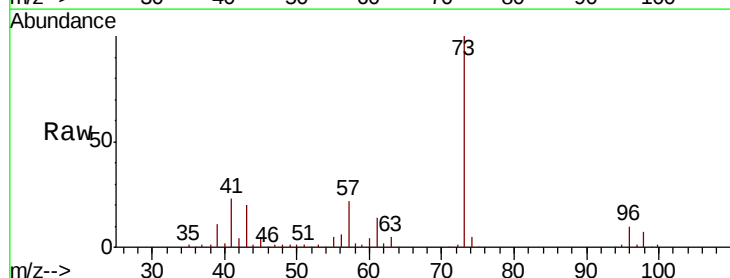
Tgt Ion: 73 Resp: 324724

Ion Ratio Lower Upper

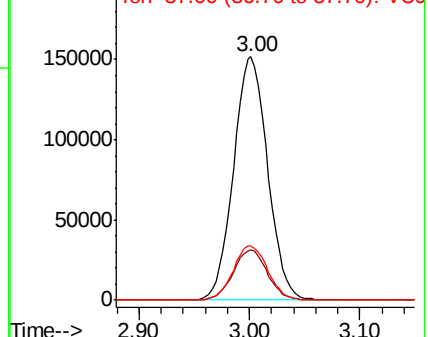
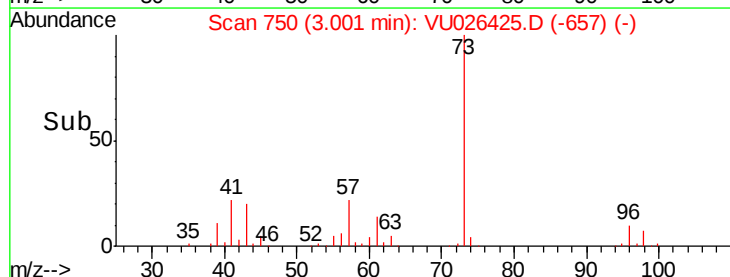
73 100

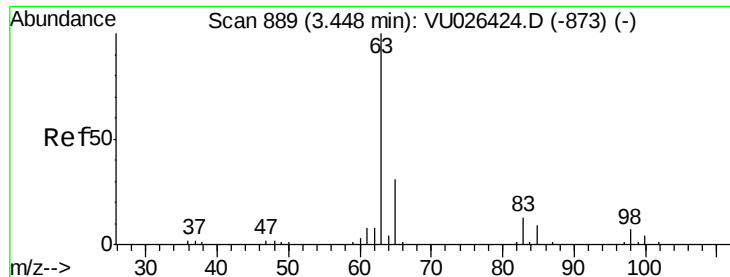
43 20.8 16.6 25.0

57 22.7 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

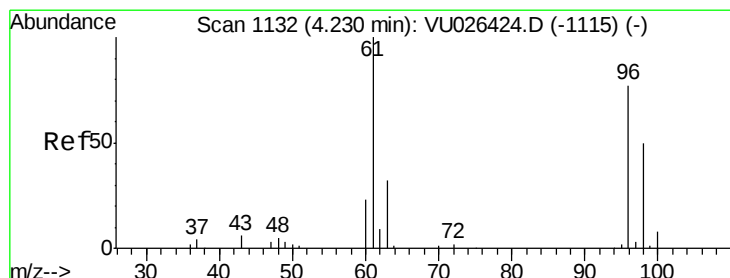
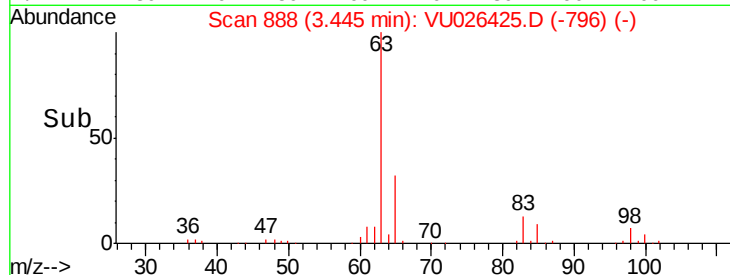
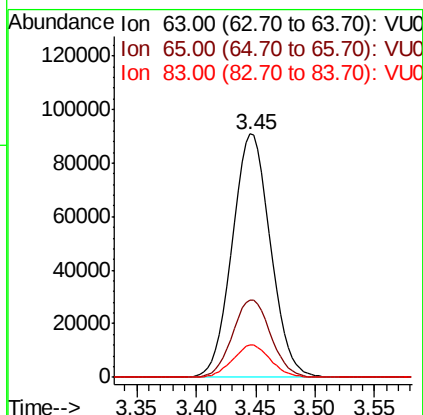
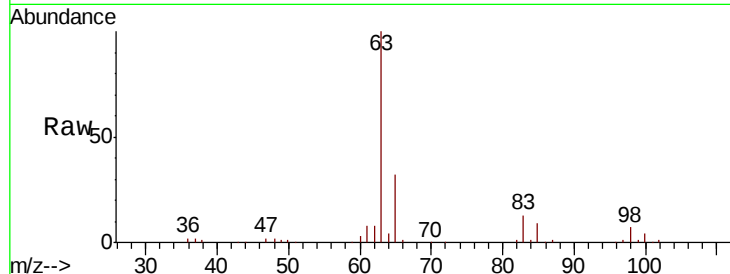




#19
 1,1-Dichloroethane
 Concen: 102.039 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026425.D
 Acq: 29 Aug 2018 15:42

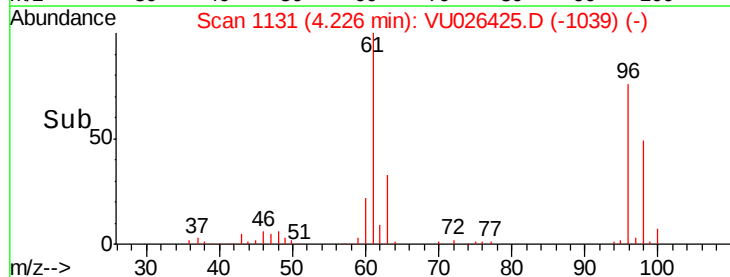
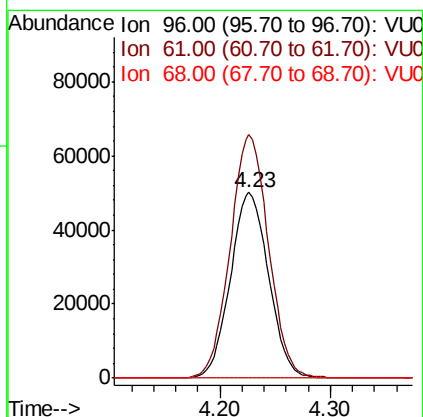
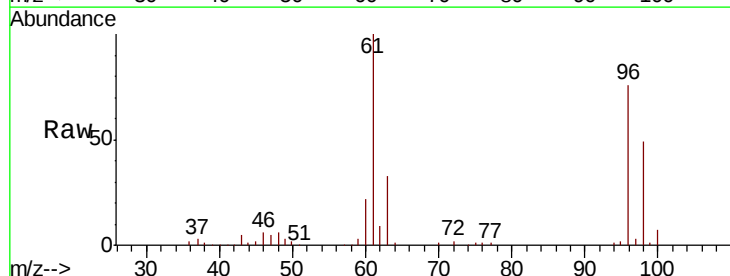
Instrument :
 MSVOA_U
 ClientSampleId :

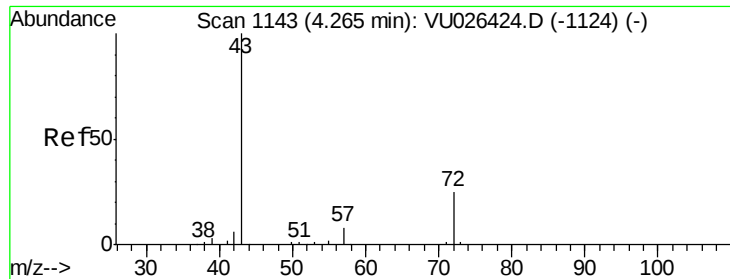
Tot Ion: 63 Resp: 202907
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.6 40.2
 83 13.4 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 106.165 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026425.D
 Acq: 29 Aug 2018 15:42

Tgt Ion: 96 Resp: 120359
 Ion Ratio Lower Upper
 96 100
 61 130.9 91.6 170.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 216.022 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

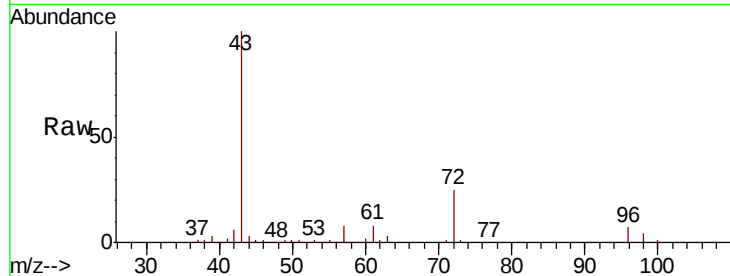
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 189517

Ion Ratio Lower Upper

43 100

72 26.0 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026425.D (-1050) (-)

Ion 72.00 (71.70 to 72.70): VU026425.D (-1050) (-)

4.26

80000

60000

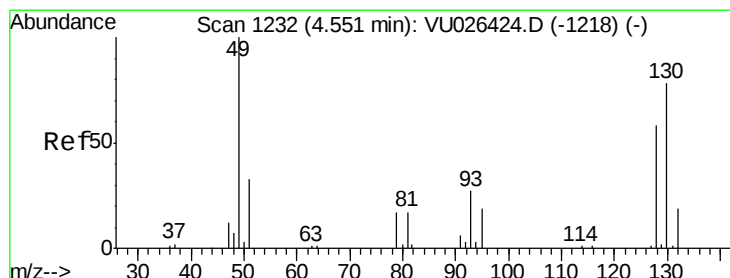
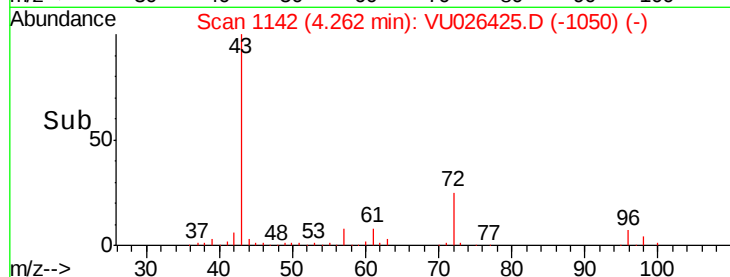
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 105.008 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Tgt Ion:128 Resp: 61333

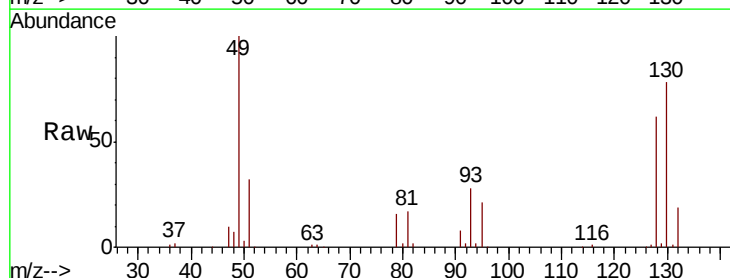
Ion Ratio Lower Upper

128 100

49 160.3 121.2 225.0

130 125.6 94.1 174.7

51 50.5 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026425.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026425.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026425.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026425.D (-1139) (-)

4.55

60000

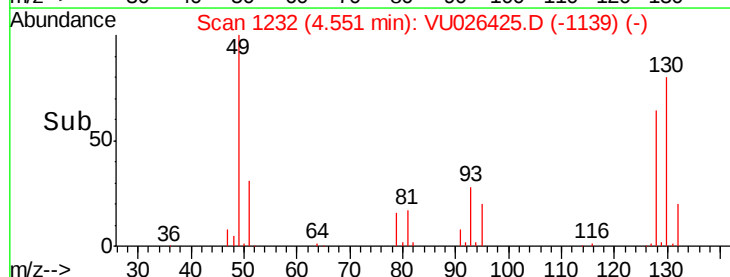
40000

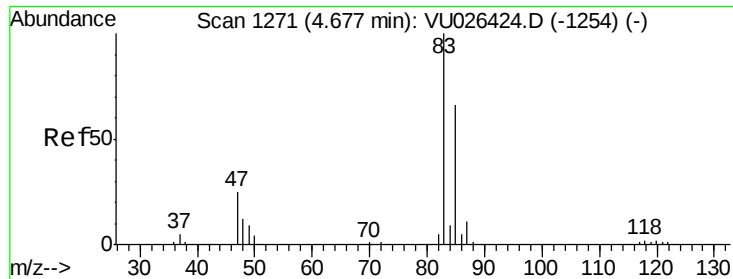
20000

0

4.45 4.50 4.55 4.60

Time-->

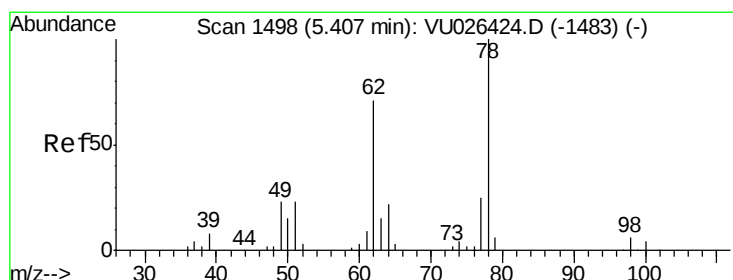
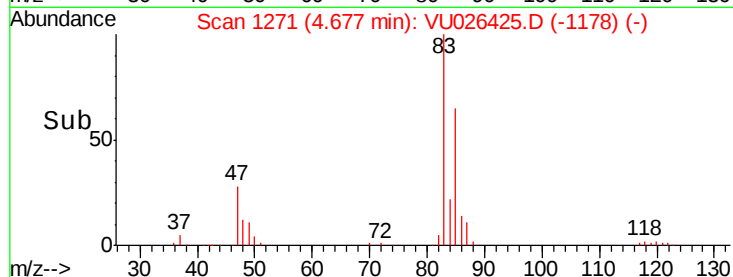
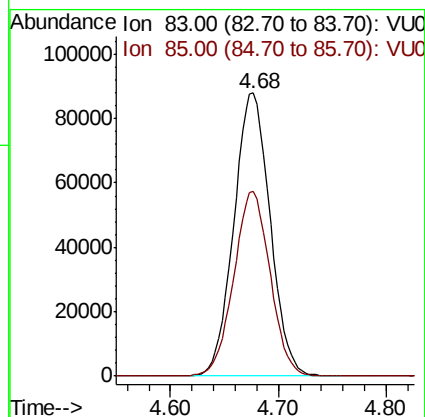
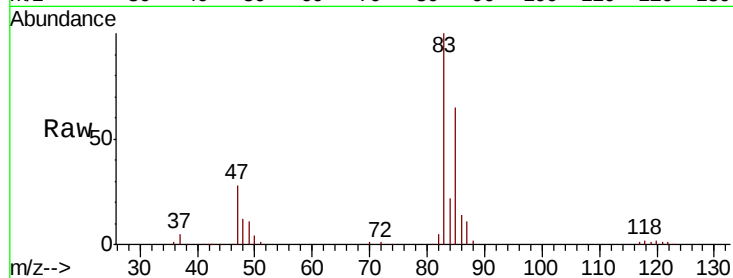




#25
Chloroform
Concen: 101.563 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

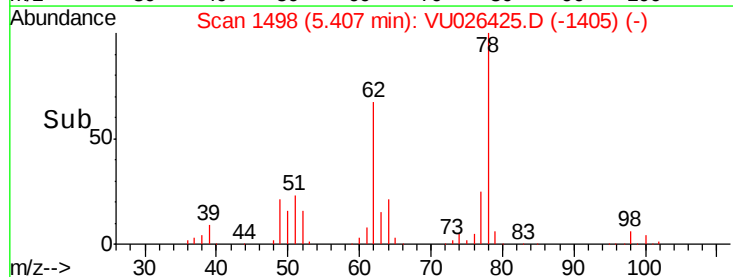
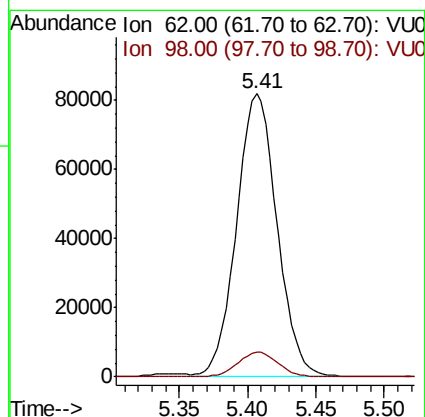
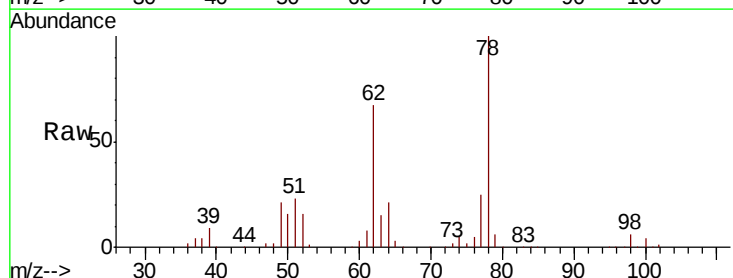
Instrument :
MSVOA_U
ClientSampleId :

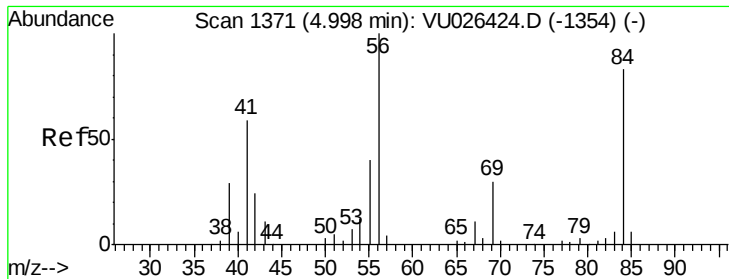
Tot Ion: 83 Resp: 206251
Ion Ratio Lower Upper
83 100
85 65.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 102.703 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Tgt Ion: 62 Resp: 168211
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2

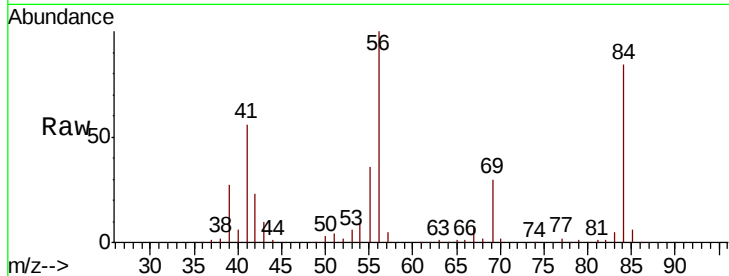




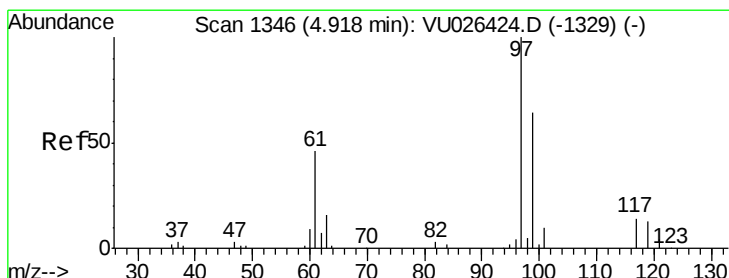
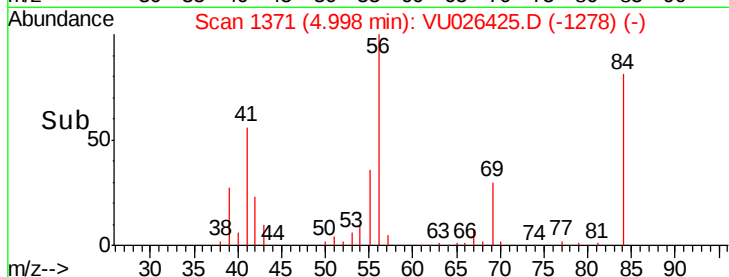
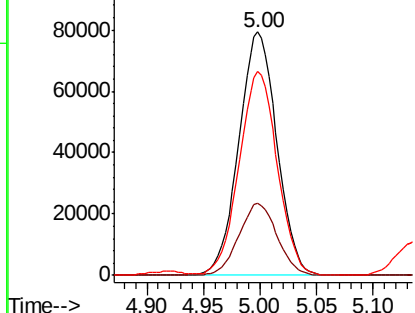
#29
Cyclohexane
Concen: 109.366 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 185657
Ion Ratio Lower Upper
56 100
69 29.6 24.0 36.0
84 84.0 67.2 100.8

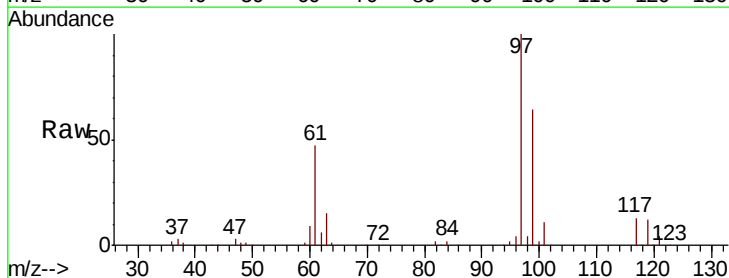


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

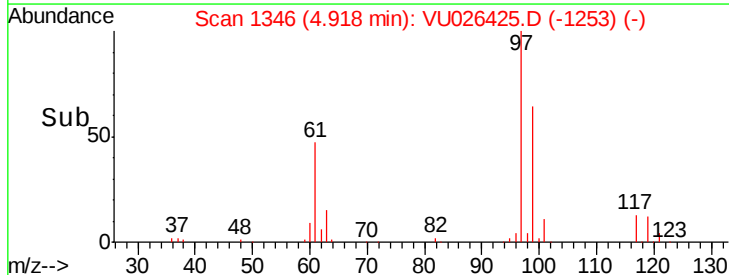
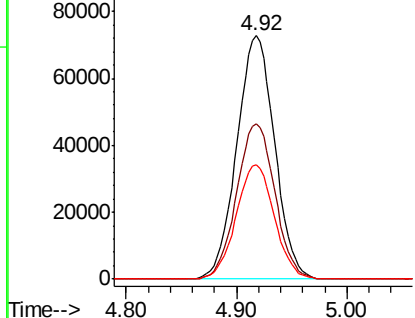


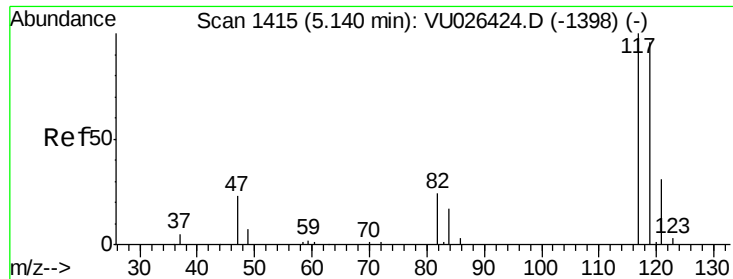
#30
1,1,1-Trichloroethane
Concen: 100.923 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Tgt Ion: 97 Resp: 173036
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 47.3 37.9 56.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

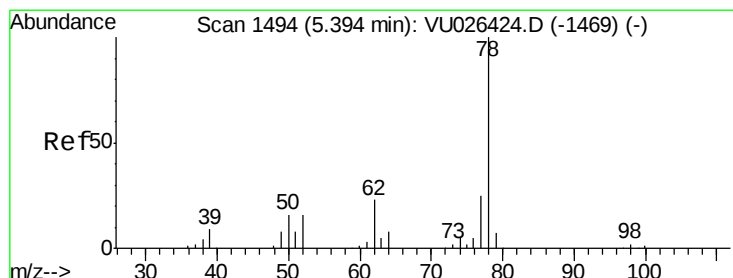
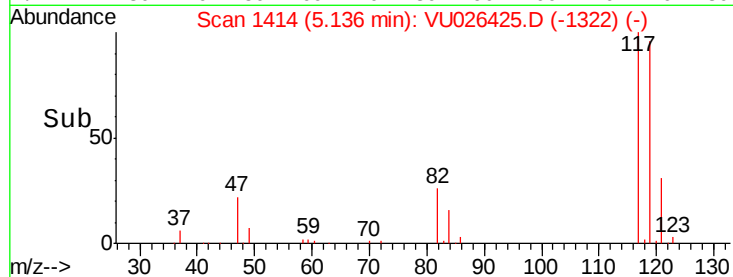
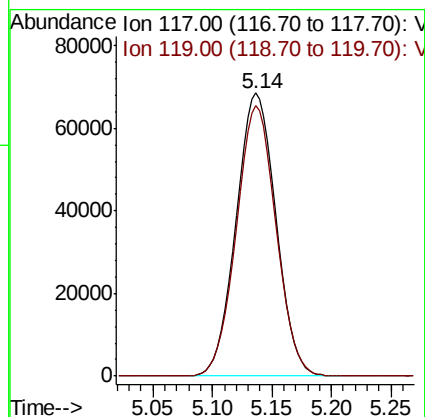
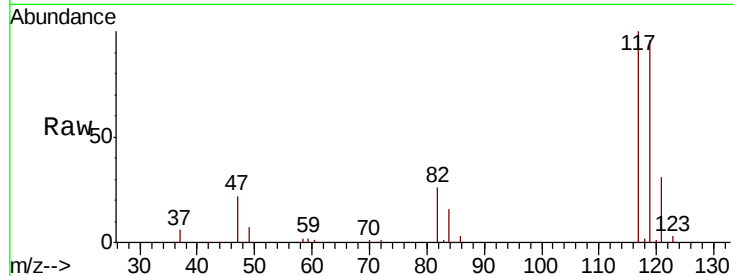




#31
Carbon tetrachloride
Concen: 102.008 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

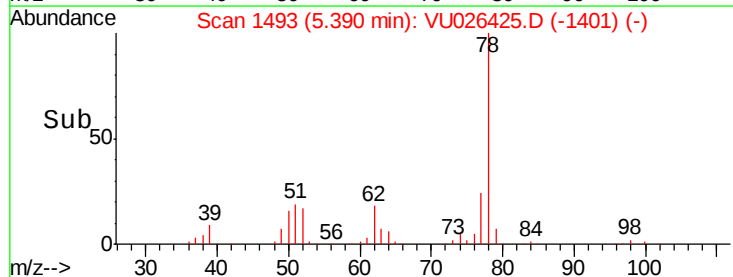
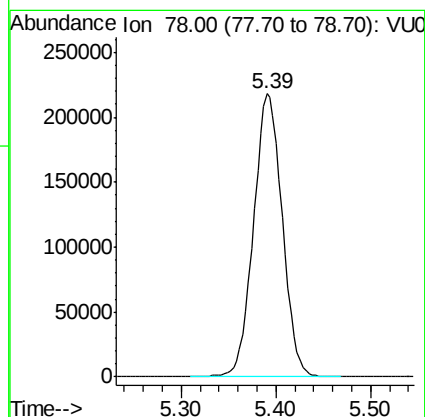
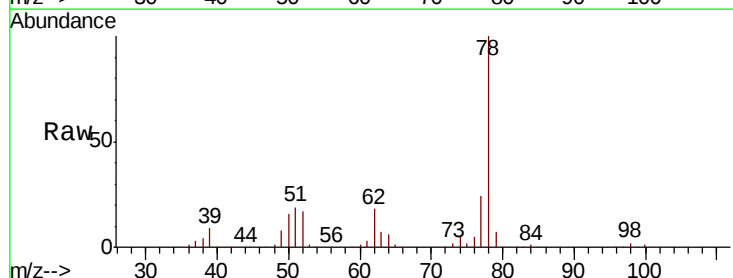
Instrument :
MSVOA_U
ClientSampleId :

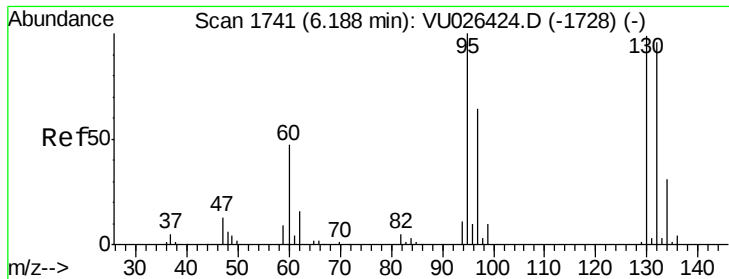
Tot Ion:117 Resp: 158913
Ion Ratio Lower Upper
117 100
119 95.1 76.4 114.6



#33
Benzene
Concen: 102.793 ug/L
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Tgt Ion: 78 Resp: 459149

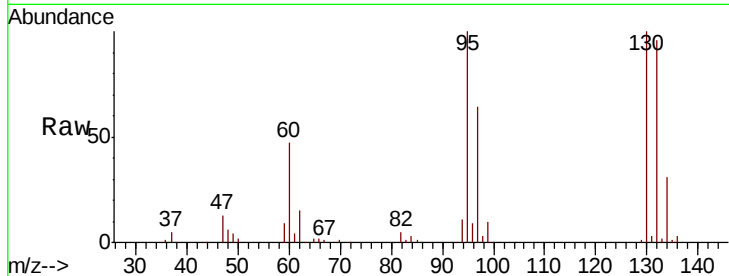




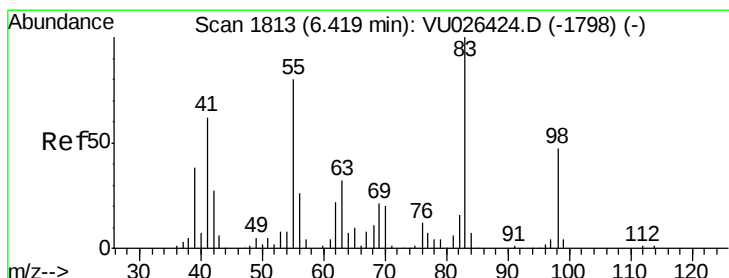
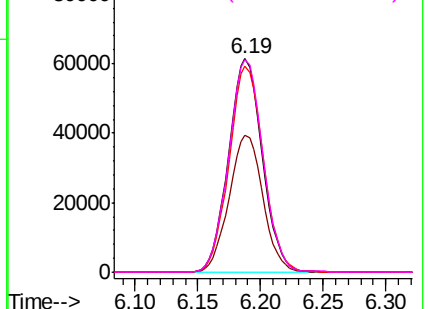
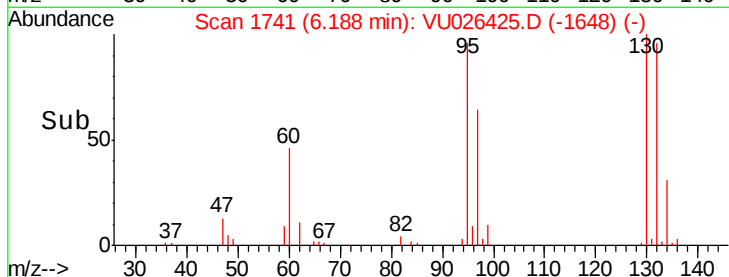
#34
 Trichloroethene
 Concen: 102.833 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026425.D
 Acq: 29 Aug 2018 15:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 115213
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.1 83.7
 132 96.2 67.5 125.3
 130 99.8 69.3 128.7

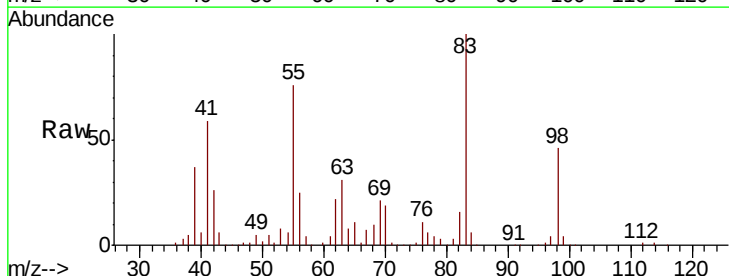


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

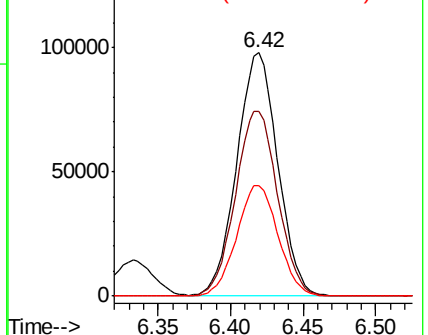
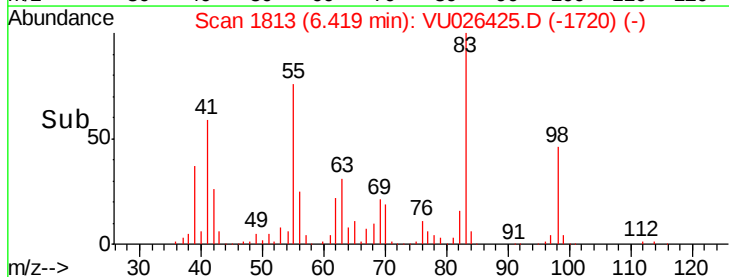


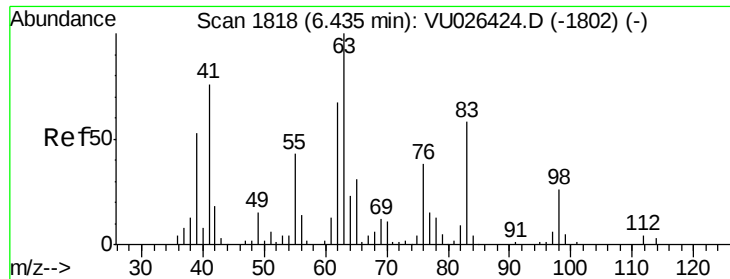
#35
 Methylcyclohexane
 Concen: 109.860 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026425.D
 Acq: 29 Aug 2018 15:42

Tgt Ion: 83 Resp: 192196
 Ion Ratio Lower Upper
 83 100
 55 78.3 63.3 94.9
 98 46.1 36.7 55.1



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: 103.499 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

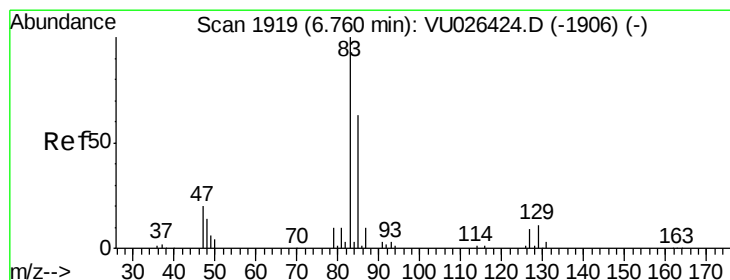
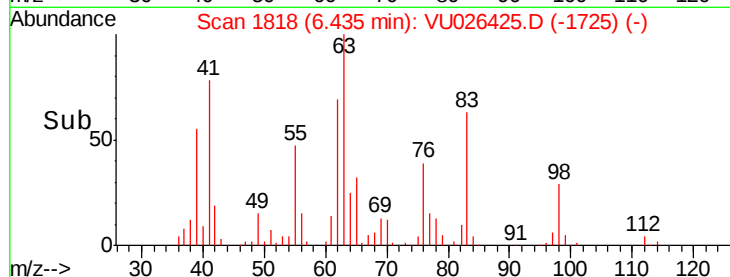
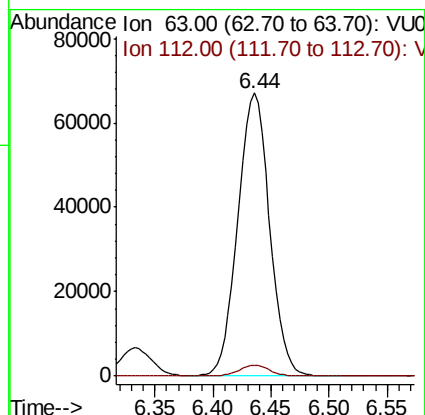
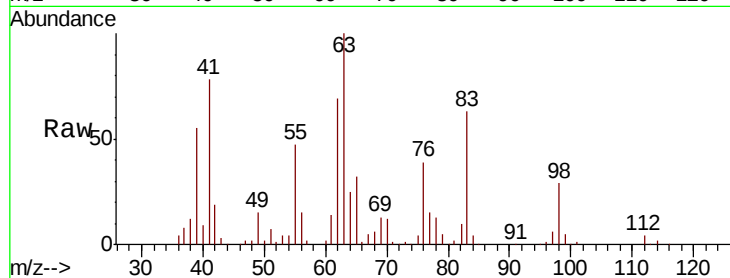
ClientSampleId :

Tot Ion: 63 Resp: 127983

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 100.233 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

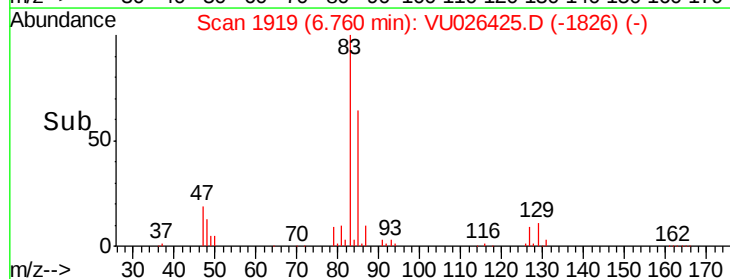
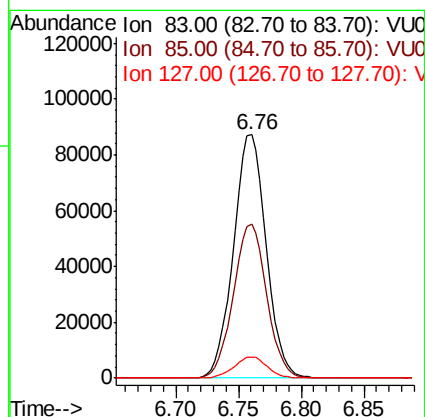
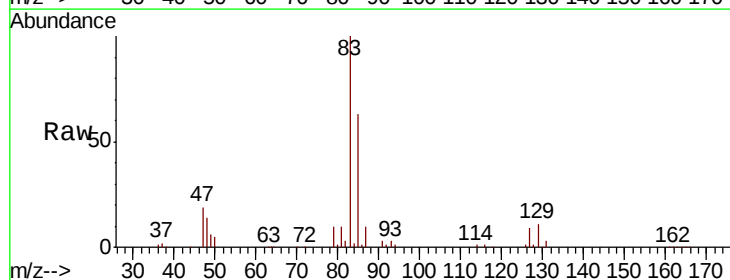
Tgt Ion: 83 Resp: 158057

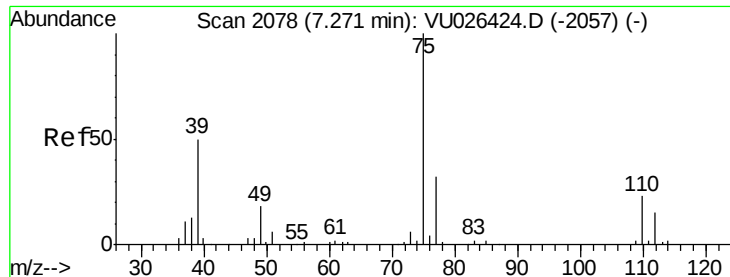
Ion Ratio Lower Upper

83 100

85 63.3 43.9 81.5

127 8.7 7.0 10.6

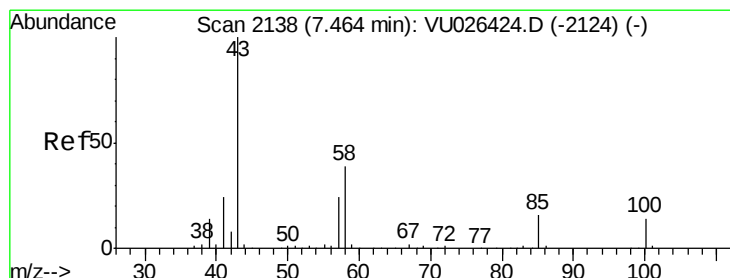
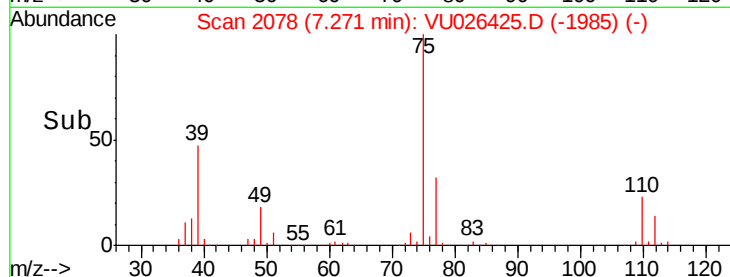
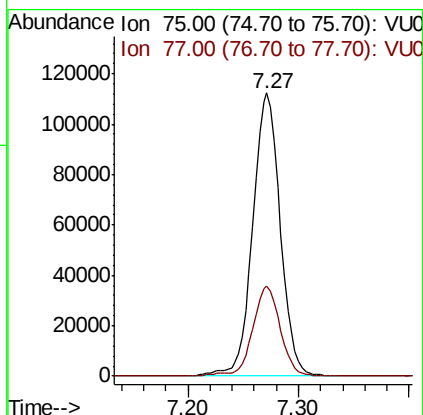
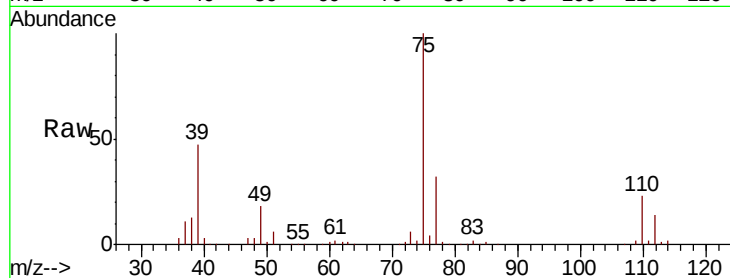




#39
 cis-1,3-Dichloropropene
 Concen: 110.446 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026425.D
 Acq: 29 Aug 2018 15:42

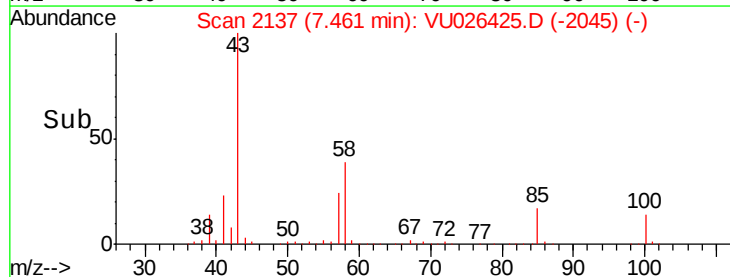
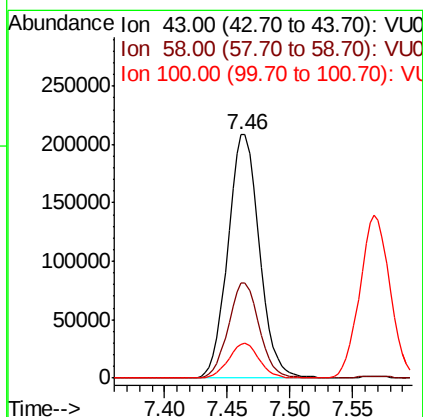
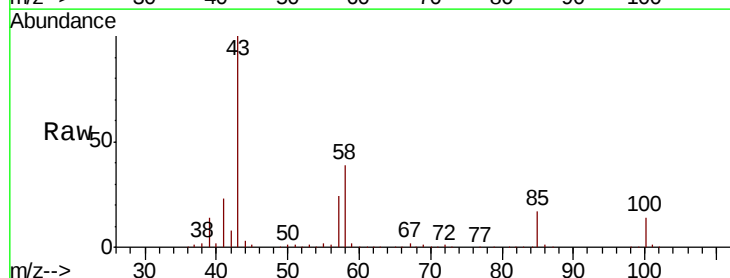
Instrument :
 MSVOA_U
 ClientSampleId :

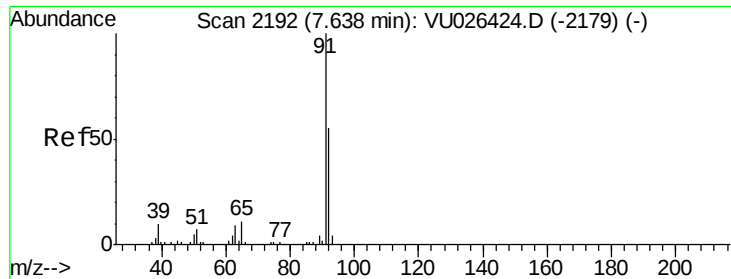
Tot Ion: 75 Resp: 194602
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 217.636 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026425.D
 Acq: 29 Aug 2018 15:42

Tgt Ion: 43 Resp: 362941
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.4 45.6
 100 13.9 11.0 16.4





#42

Toluene

Concen: 106.861 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

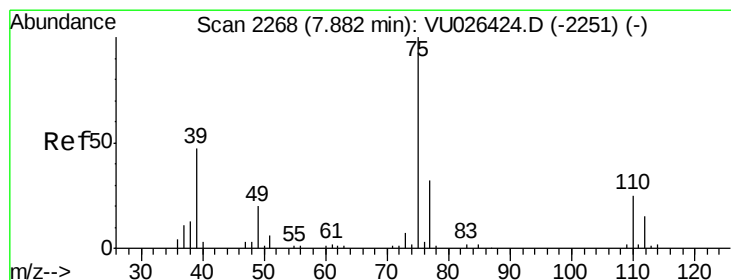
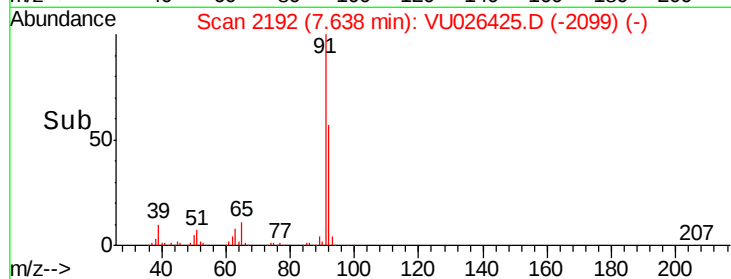
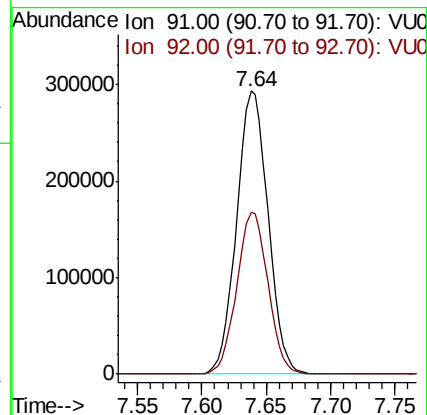
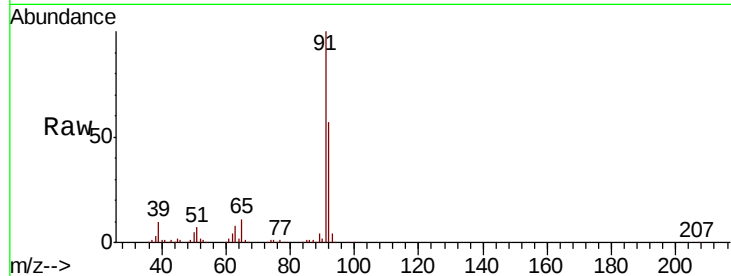
ClientSampleId :

Tot Ion: 91 Resp: 498059

Ion Ratio Lower Upper

91 100

92 57.3 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 109.141 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026425.D

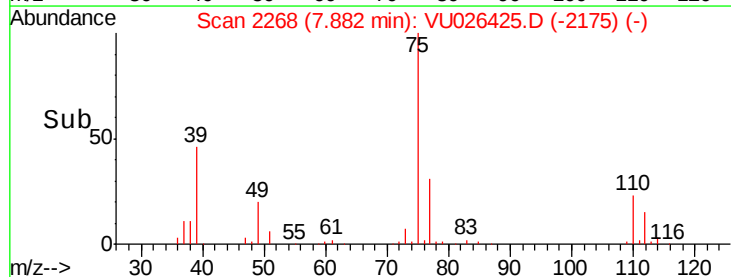
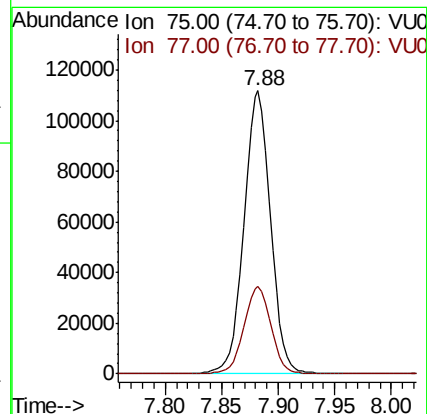
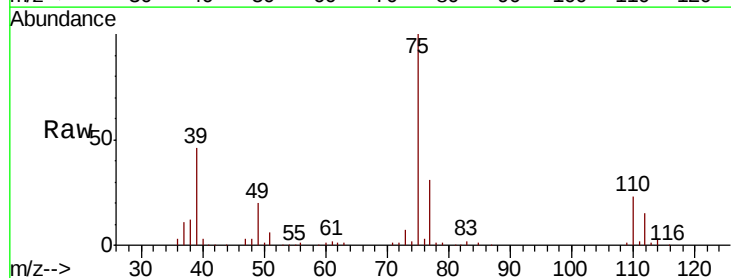
Acq: 29 Aug 2018 15:42

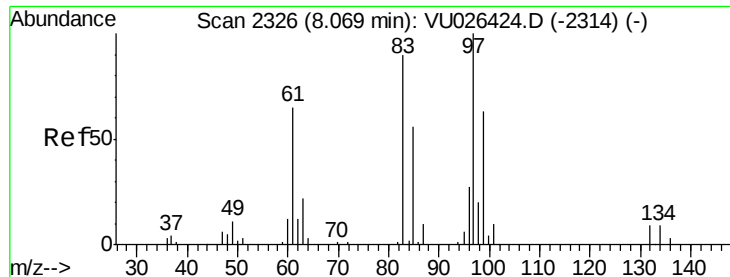
Tgt Ion: 75 Resp: 183288

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1

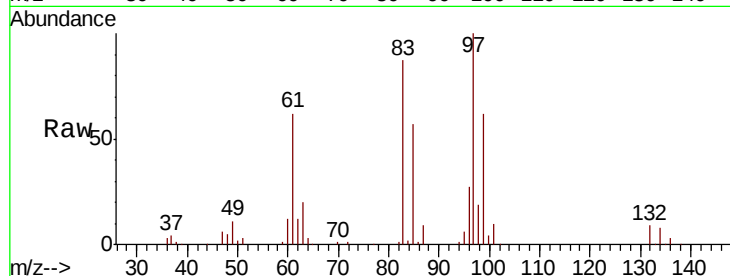




#45
1,1,2-Trichloroethane
Concen: 101.705 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	115213
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.9	81.5
83	87.3	62.7	116.5
85	57.5	39.4	73.2



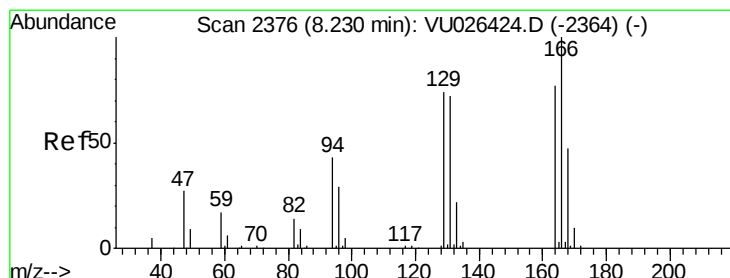
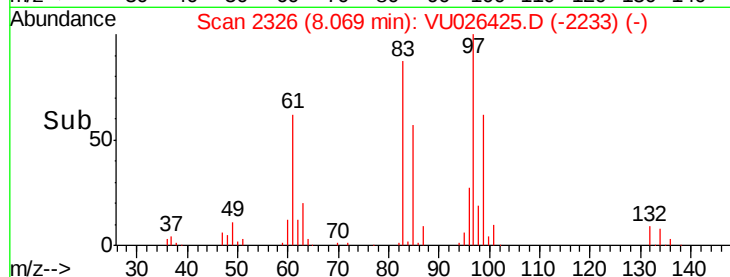
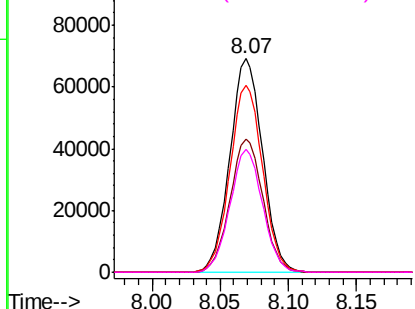
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

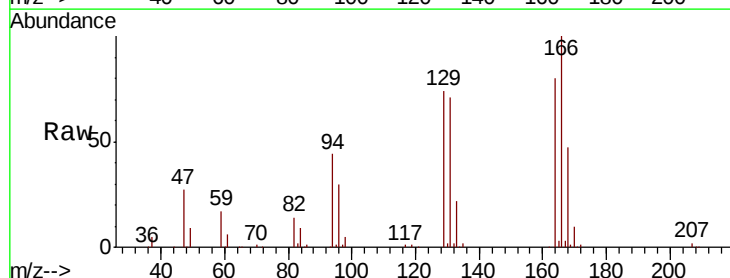
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 104.500 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Tgt Ion:	164	Resp:	95723
Ion	Ratio	Lower	Upper
164	100		
129	92.3	67.3	125.1
131	89.3	65.3	121.3
166	124.9	90.9	168.7



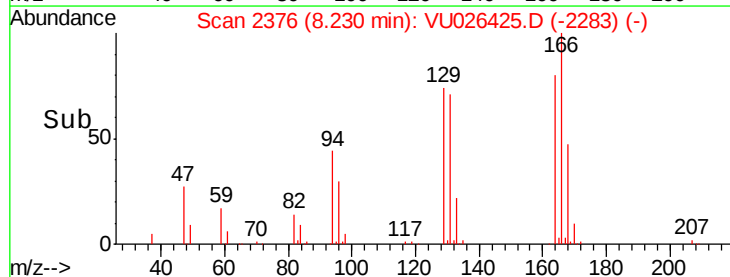
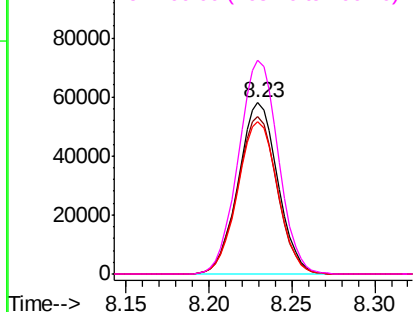
Abundance

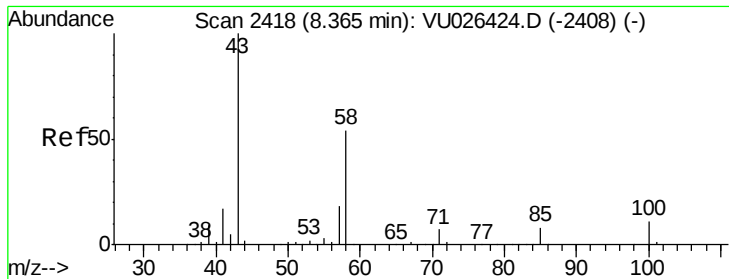
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

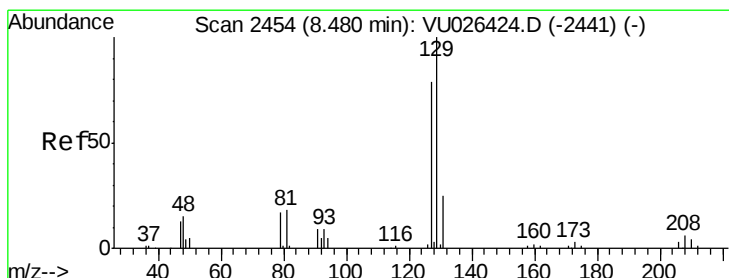
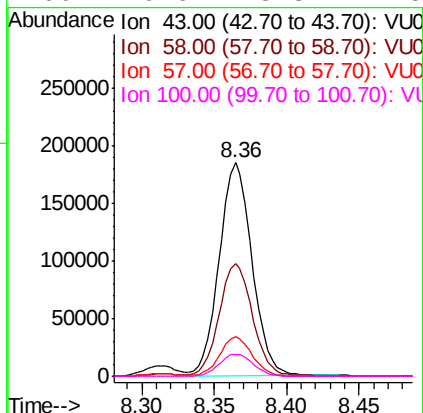
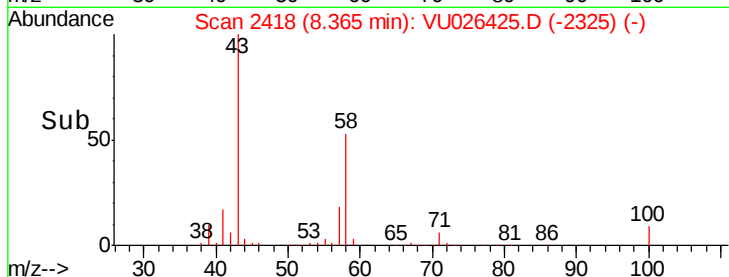
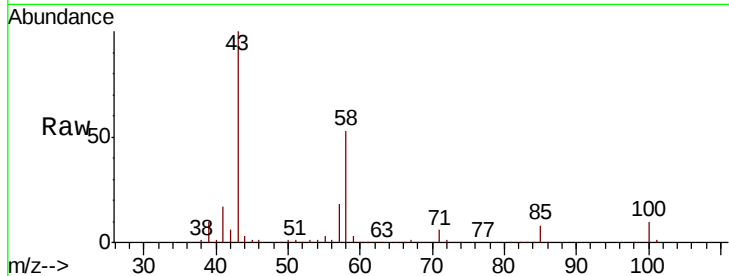




#48
2-Hexanone
Concen: 221.449 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

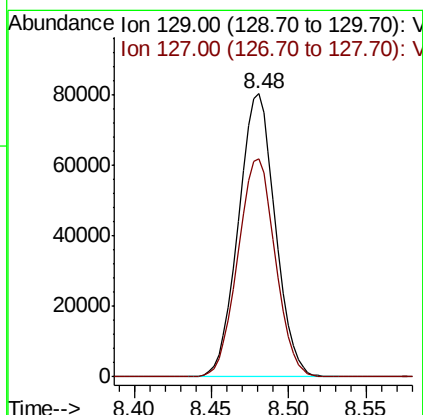
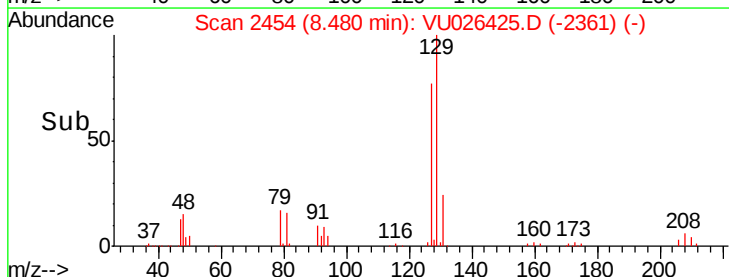
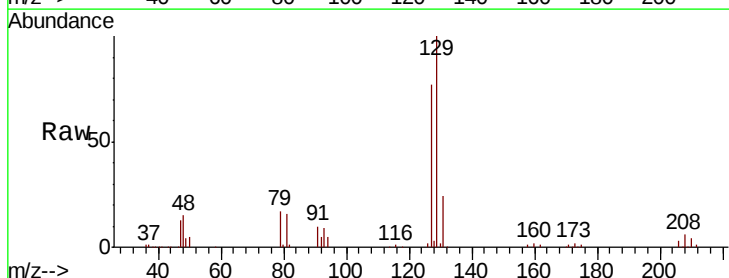
Instrument :
MSVOA_U
ClientSampleId :

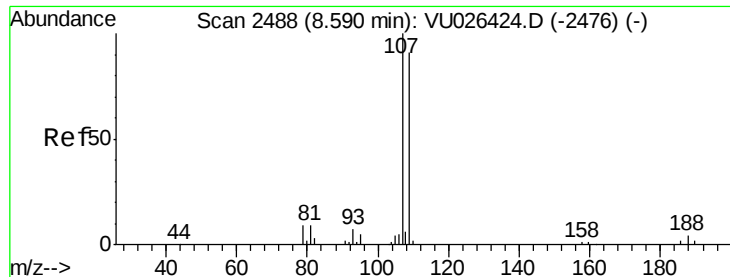
Tot Ion: 43 Resp: 290855
Ion Ratio Lower Upper
43 100
58 53.4 42.2 63.4
57 18.1 14.6 21.8
100 10.6 8.3 12.5



#49
Dibromochloromethane
Concen: 104.279 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Tgt Ion: 129 Resp: 133102
Ion Ratio Lower Upper
129 100
127 77.2 55.0 102.2

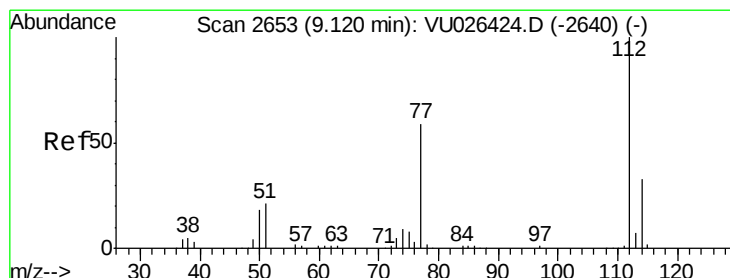
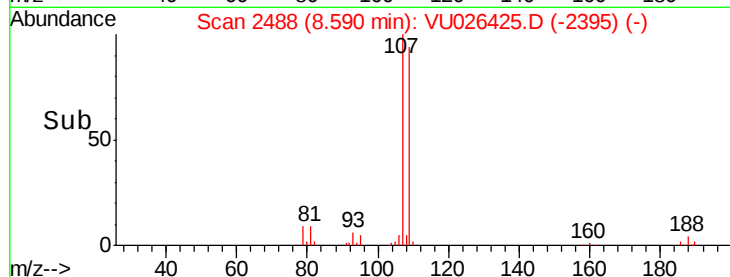
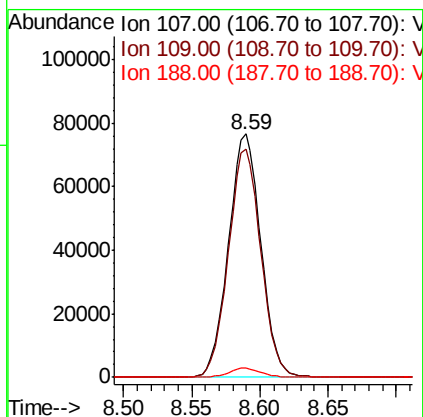
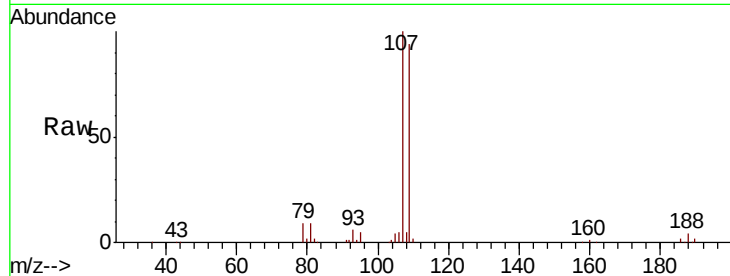




#50
1,2-Dibromoethane
Concen: 104.482 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

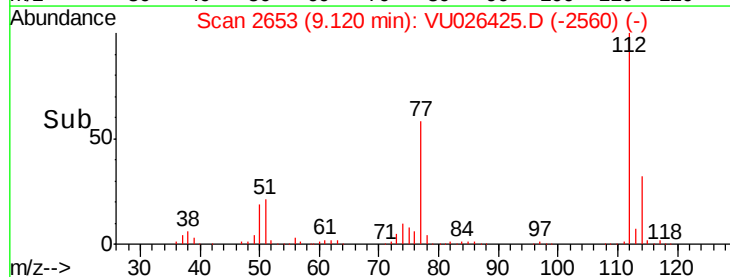
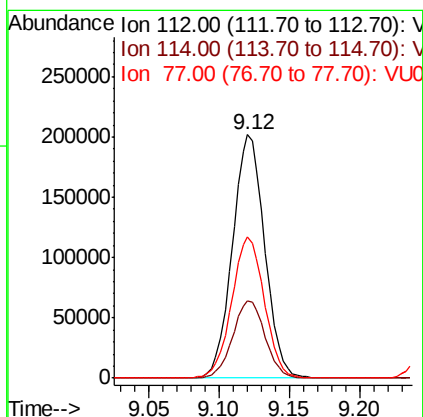
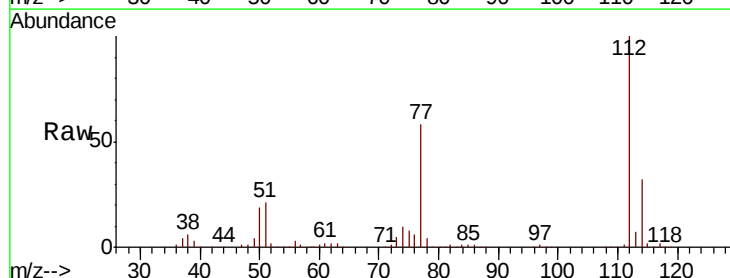
Instrument :
MSVOA_U
ClientSampleId :

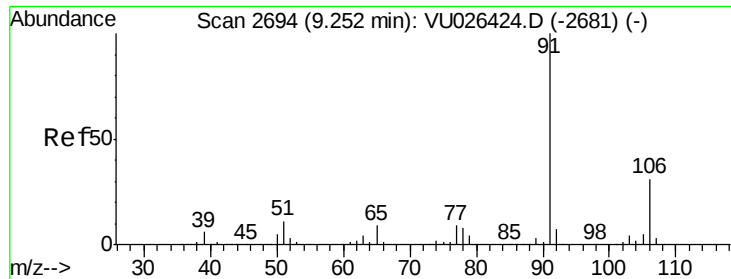
Tot Ion:107 Resp: 126036
Ion Ratio Lower Upper
107 100
109 93.9 63.4 117.8
188 3.8 3.2 4.8



#51
Chlorobenzene
Concen: 103.458 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026425.D
Acq: 29 Aug 2018 15:42

Tgt Ion:112 Resp: 322455
Ion Ratio Lower Upper
112 100
114 31.9 23.2 43.2
77 58.0 47.3 70.9





#52

Ethylbenzene

Concen: 110.173 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

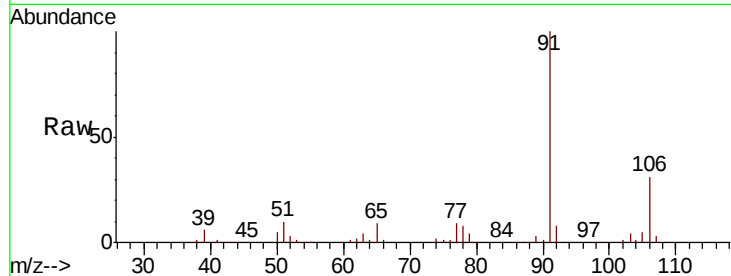
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 558482

Ion Ratio Lower Upper

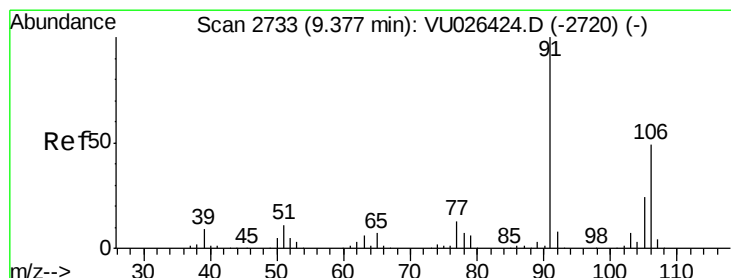
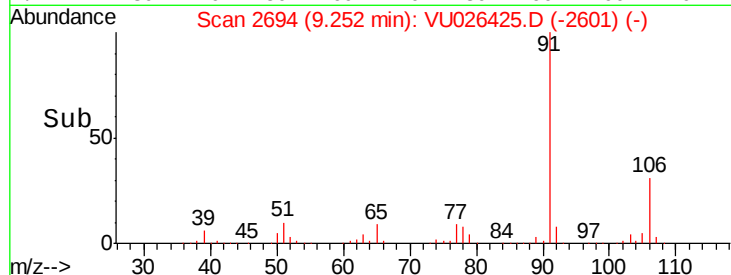
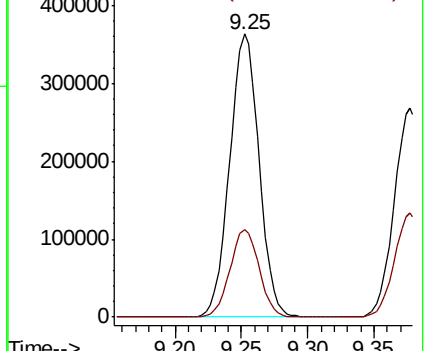
91 100

106 31.0 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 112.775 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026425.D

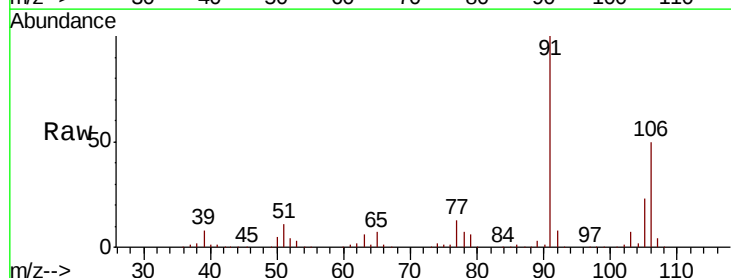
Acq: 29 Aug 2018 15:42

Tgt Ion: 106 Resp: 213457

Ion Ratio Lower Upper

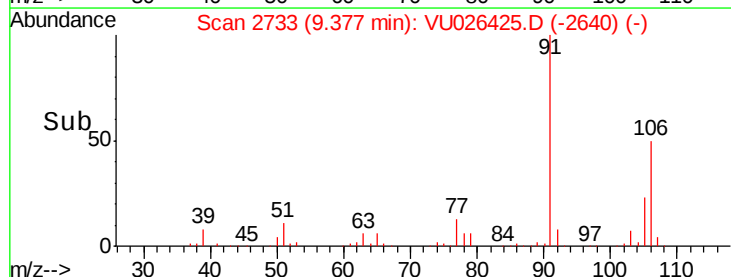
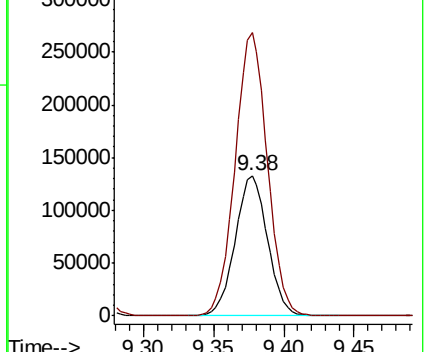
106 100

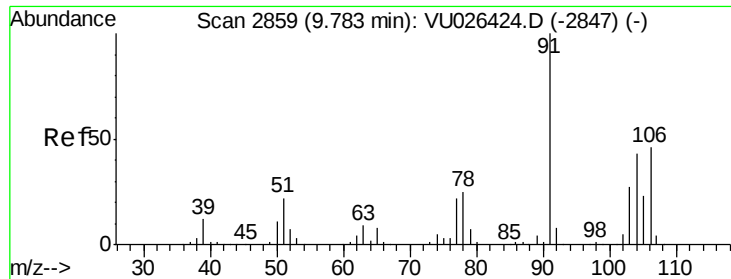
91 201.7 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#54

o-xylene

Concen: 112.922 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

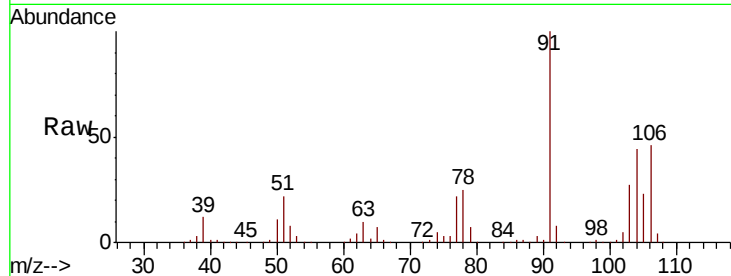
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 208432

Ion Ratio Lower Upper

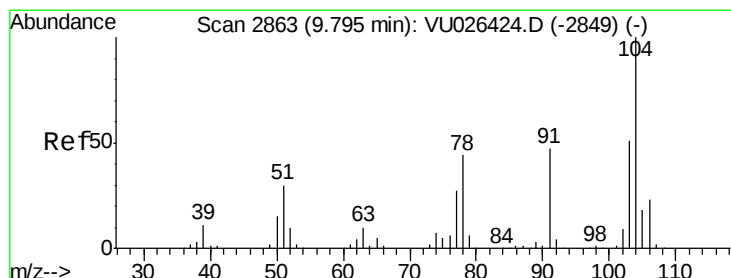
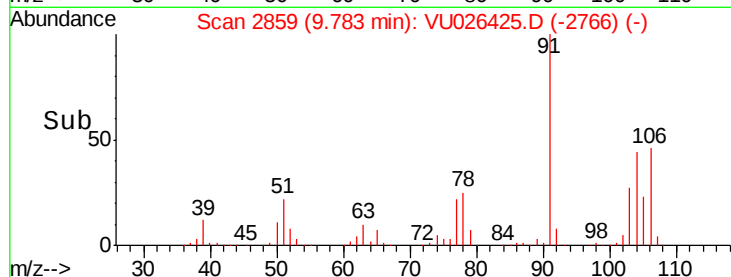
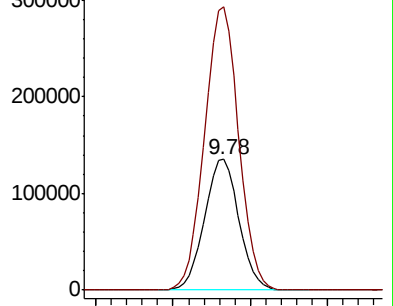
106 100

91 216.3 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 114.603 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026425.D

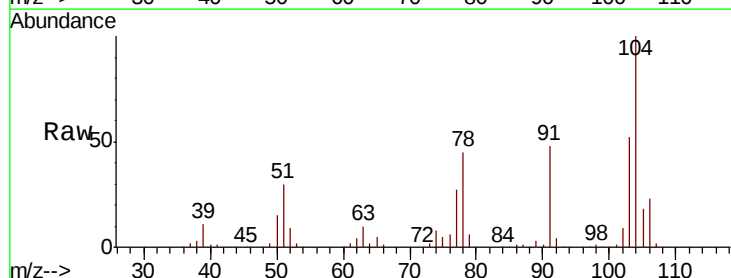
Acq: 29 Aug 2018 15:42

Tgt Ion:104 Resp: 369533

Ion Ratio Lower Upper

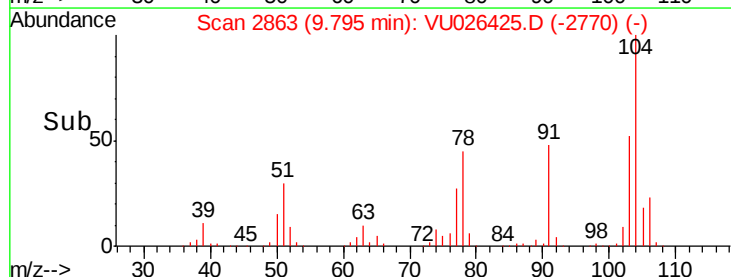
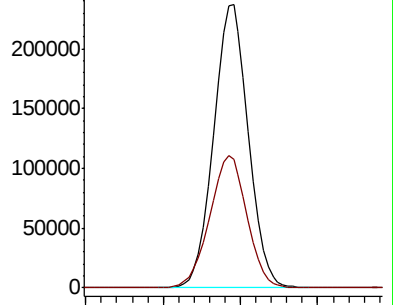
104 100

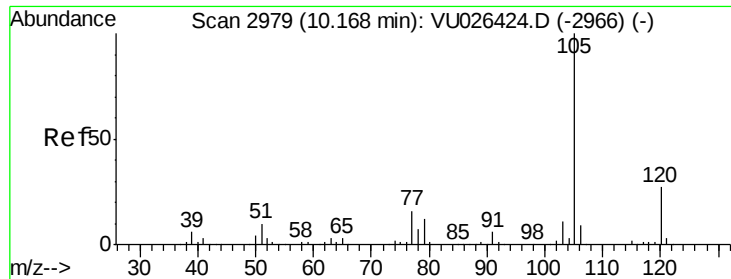
78 45.4 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 113.857 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

ClientSampleId :

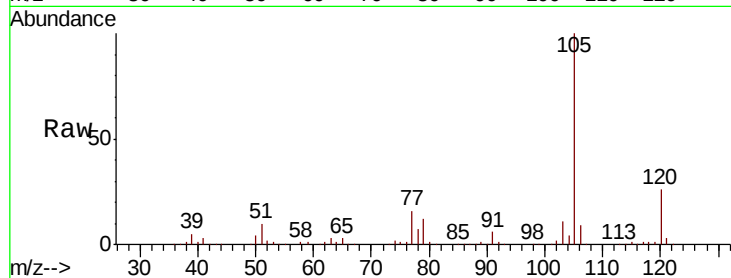
Tot Ion:105 Resp: 550119

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

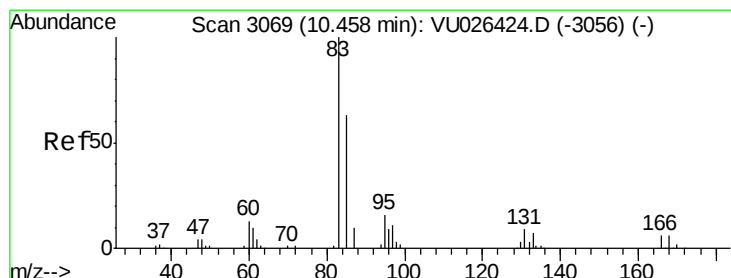
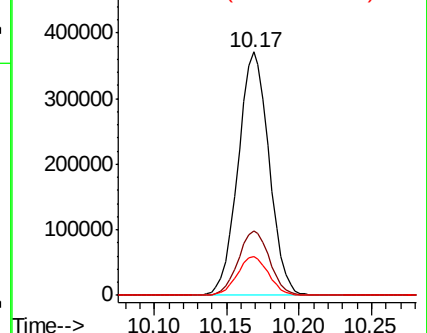
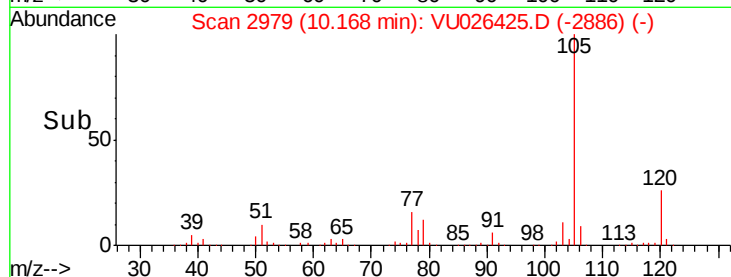
77 16.0 12.9 19.3



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: 104.836 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

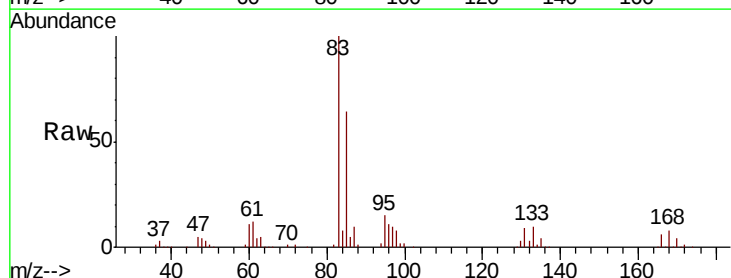
Tgt Ion: 83 Resp: 209193

Ion Ratio Lower Upper

83 100

85 64.2 44.3 82.3

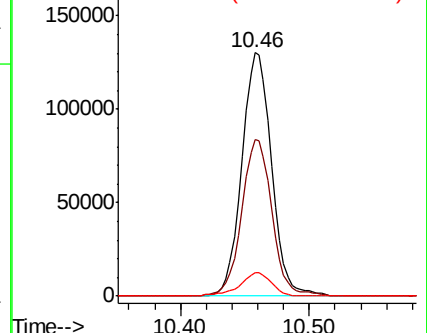
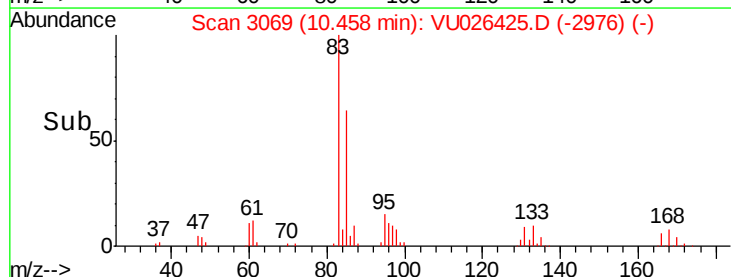
131 9.4 7.8 11.8

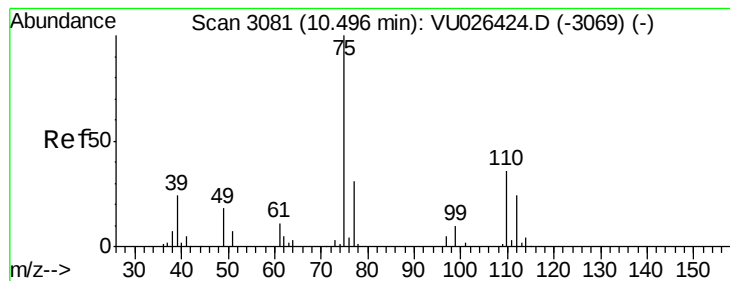


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 104.533 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

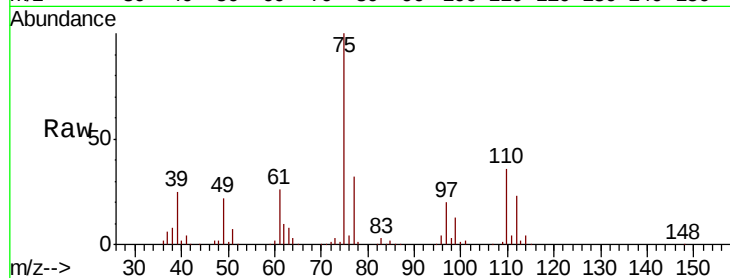
ClientSampled :

Tot Ion: 75 Resp: 161290

Ion Ratio Lower Upper

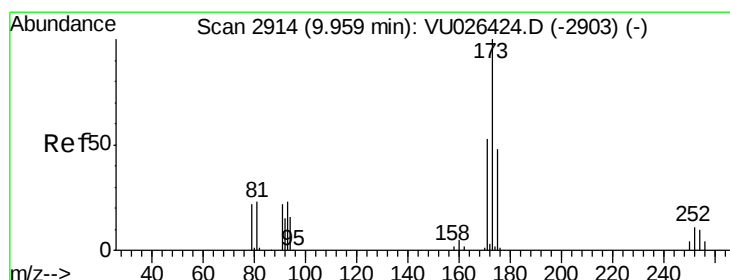
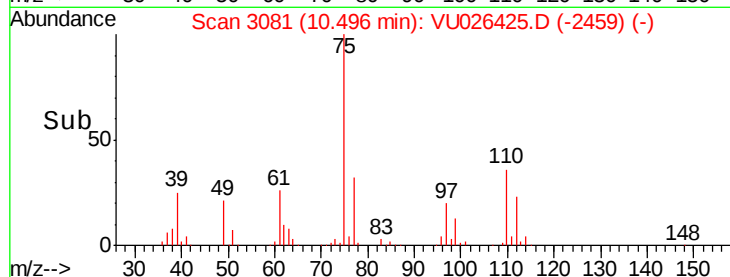
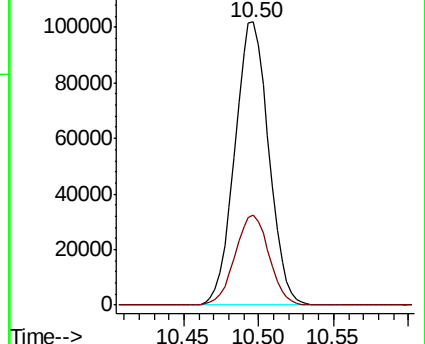
75 100

77 31.9 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU026425.D (-2459) (-)

Ion 77.00 (76.70 to 77.70): VU026425.D (-2459) (-)



#61

Bromoform

Concen: 100.947 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

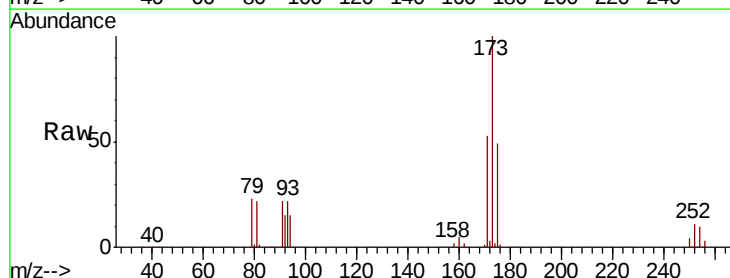
Tgt Ion: 173 Resp: 105863

Ion Ratio Lower Upper

173 100

175 48.5 38.5 57.7

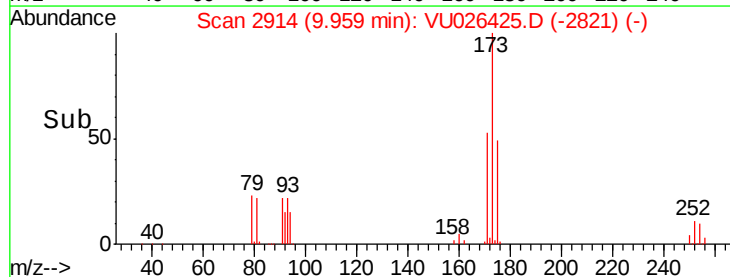
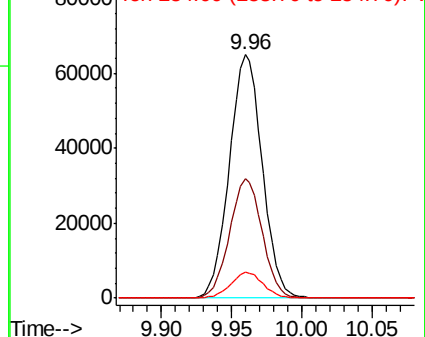
254 10.4 8.1 12.1

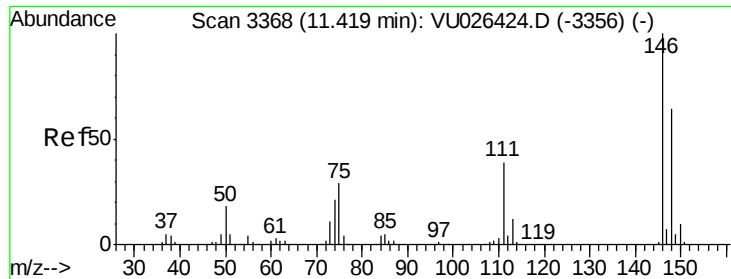


Abundance Ion 173.00 (172.70 to 173.70): VU026425.D (-2821) (-)

Ion 175.00 (174.70 to 175.70): VU026425.D (-2821) (-)

Ion 254.00 (253.70 to 254.70): VU026425.D (-2821) (-)





#62

1,3-Dichlorobenzene

Concen: 103.063 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

ClientSampled :

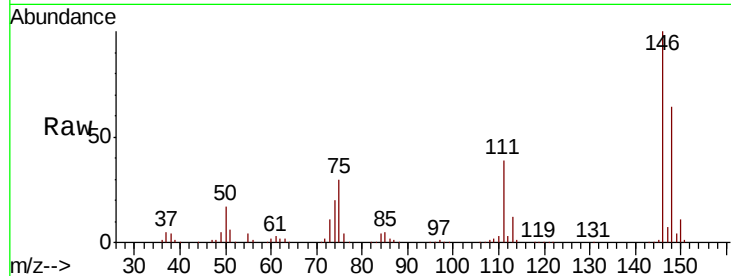
Tot Ion:146 Resp: 256251

Ion Ratio Lower Upper

146 100

111 39.2 27.5 51.1

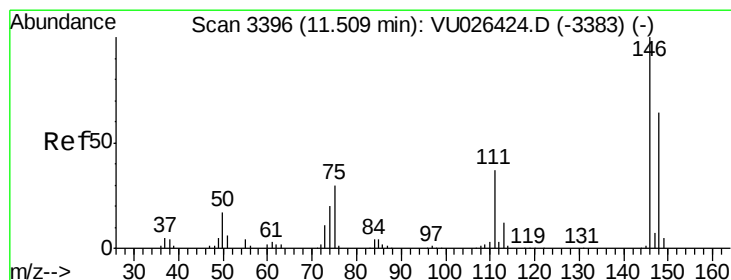
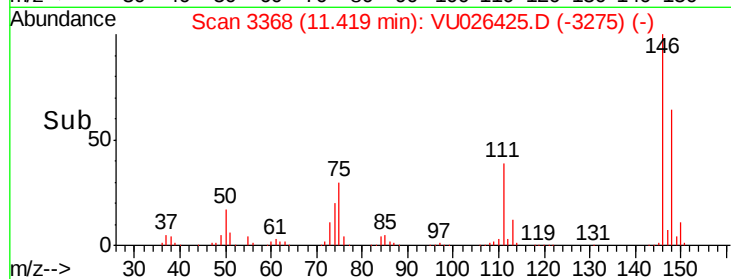
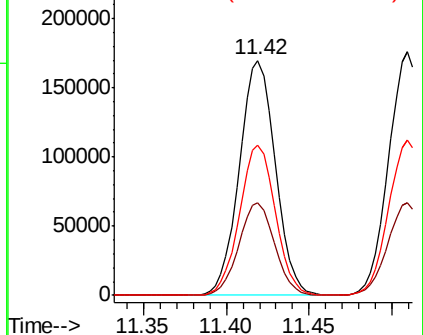
148 64.2 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 101.087 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

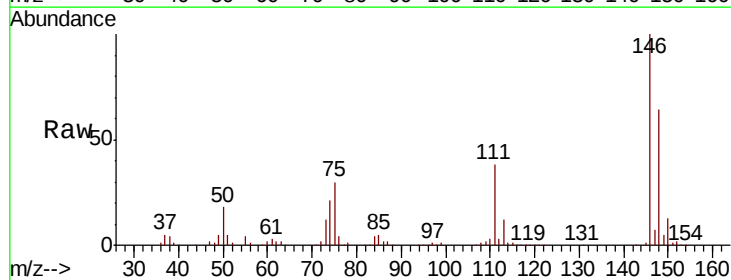
Tgt Ion:146 Resp: 265840

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.6

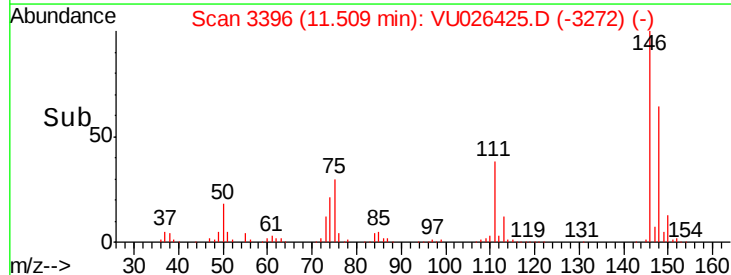
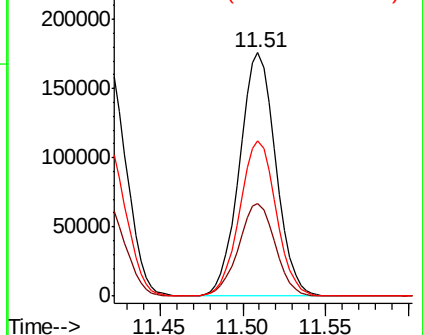
148 63.9 44.9 83.5

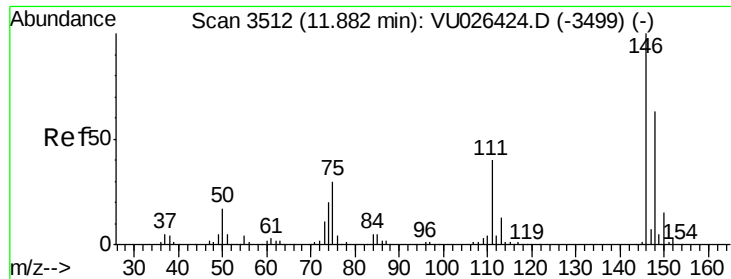


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 102.666 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Instrument :

MSVOA_U

ClientSampleId :

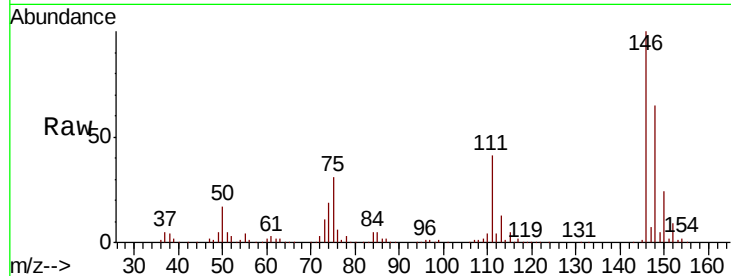
Tot Ion:146 Resp: 269241

Ion Ratio Lower Upper

146 100

111 40.6 32.0 48.0

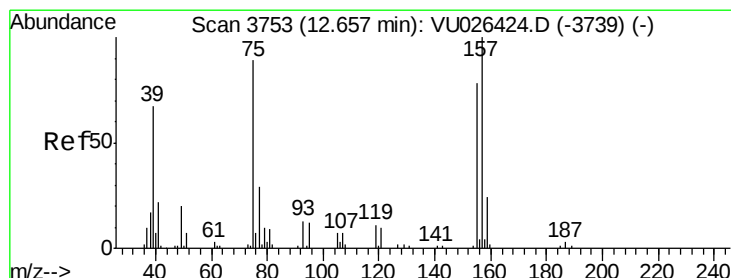
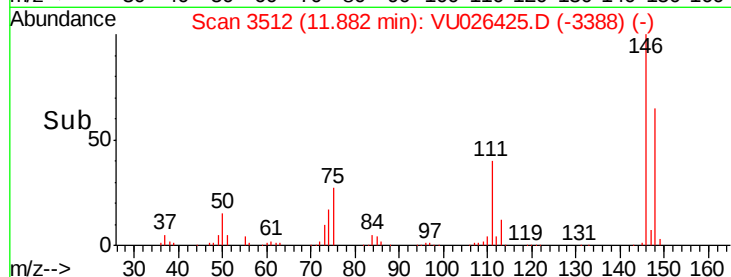
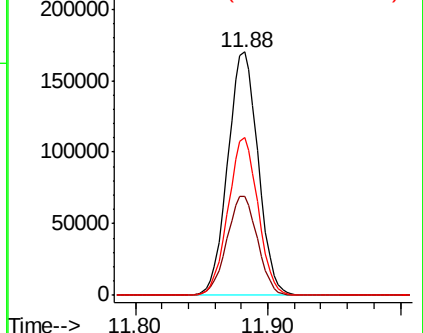
148 64.6 50.2 75.2



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: 101.404 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

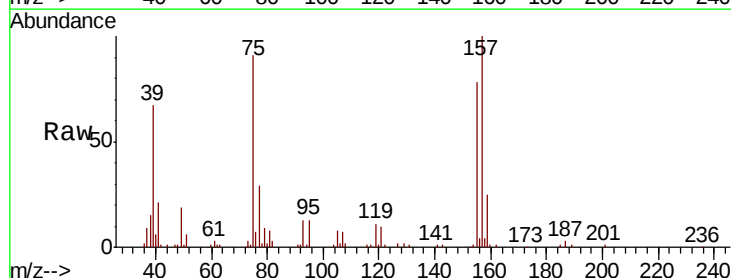
Tgt Ion: 75 Resp: 44716

Ion Ratio Lower Upper

75 100

155 86.5 69.8 104.8

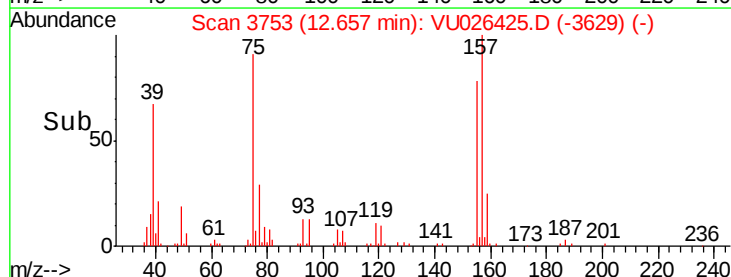
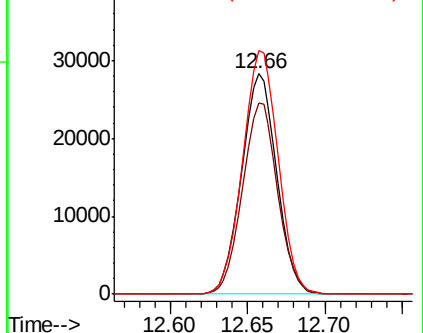
157 110.5 89.8 134.8

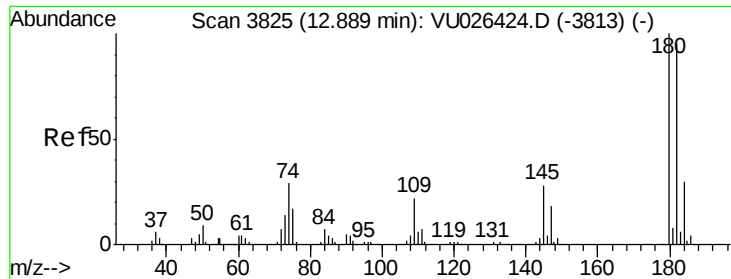


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

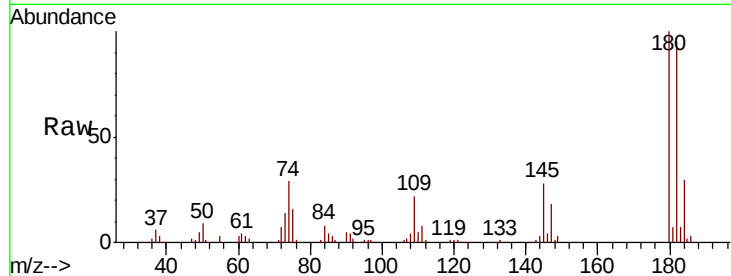




#67
 1,3,5-Trichlorobenzene
 Concen: 105.043 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026425.D
 Acq: 29 Aug 2018 15:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.5	25.0	37.4
145	27.7	22.3	33.5



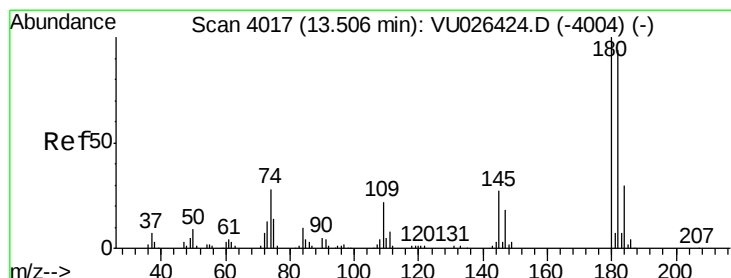
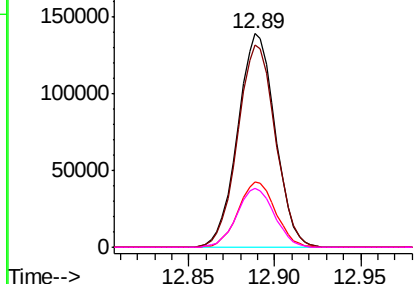
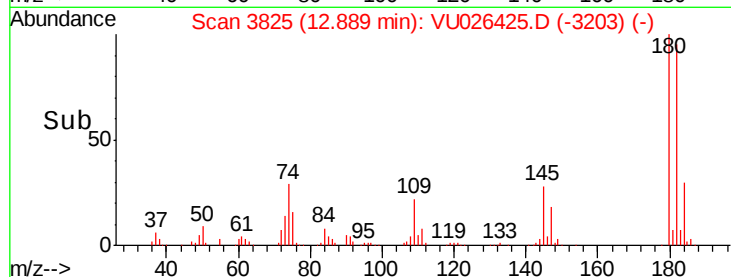
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

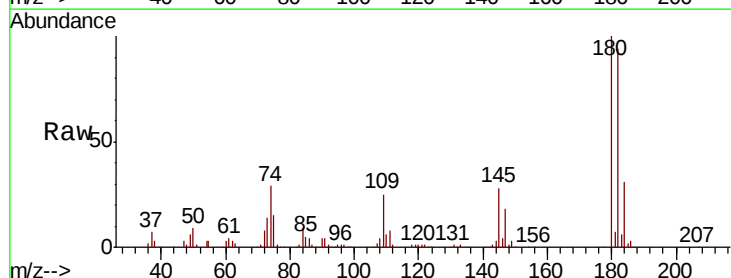
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 109.115 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026425.D
 Acq: 29 Aug 2018 15:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	114.8
145	28.0	22.4	33.6

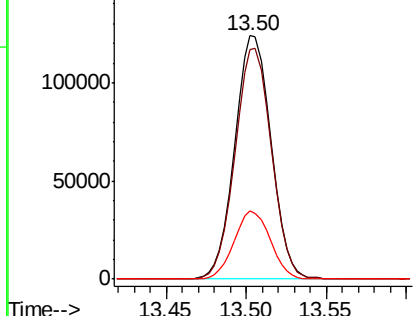
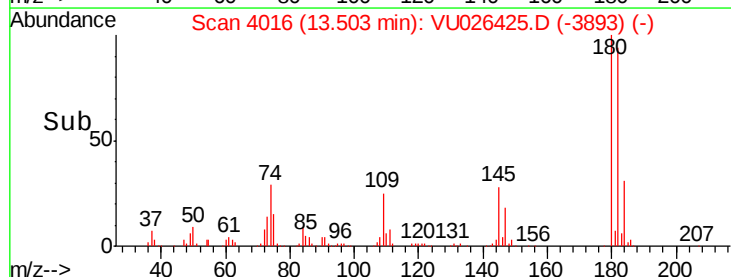


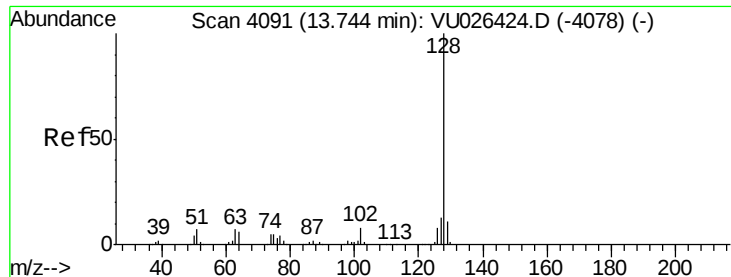
Abundance

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: 114.104 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

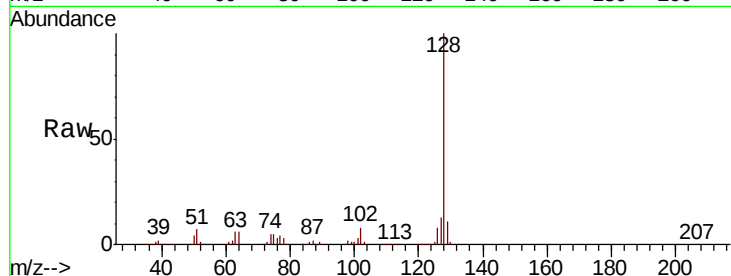
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:128 Resp: 624377

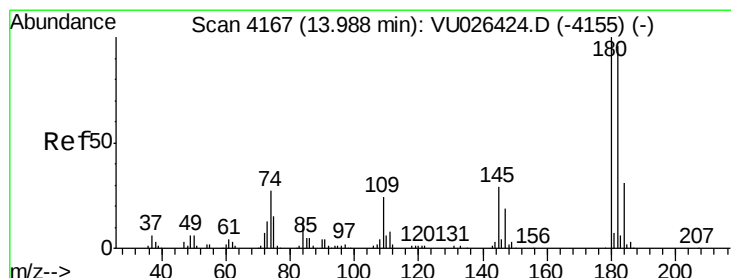
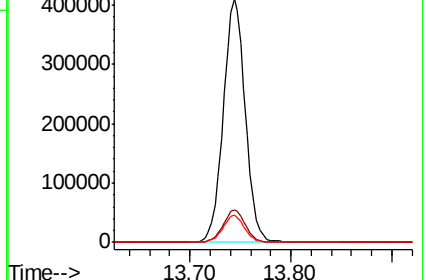
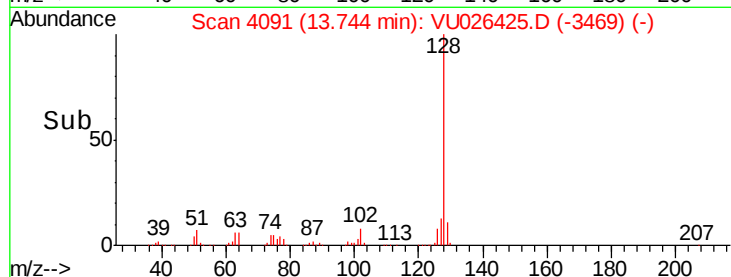
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.5	12.7



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: 105.065 ug/L

RT: 13.99 min Scan# 4167

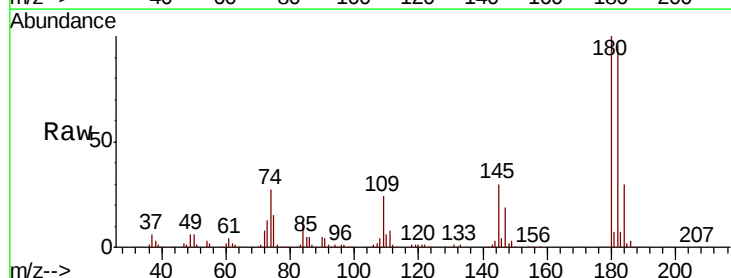
Delta R.T. -0.00 min

Lab File: VU026425.D

Acq: 29 Aug 2018 15:42

Tgt Ion:180 Resp: 202183

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
145	29.8	23.9	35.9



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

