

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026325.D
 Acq On : 24 Aug 2018 02:01
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 04:08:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	331842	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	323836	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	177468	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78314	38.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.38%
7) Chloroethane-d5	1.68	69	69897	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.70%
11) 1,1-Dichloroethene-d2	2.27	63	171472	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
21) 2-Butanone-d5	4.18	46	160749	99.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.51%
24) Chloroform-d	4.65	84	212117	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	5.31	65	134977	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
32) Benzene-d6	5.35	84	387759	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
36) 1,2-Dichloropropane-d6	6.33	67	130829	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.06%
41) Toluene-d8	7.57	98	370194	44.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.42%
43) trans-1,3-Dichloropropene-	7.85	79	64512	44.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.78%
47) 2-Hexanone-d5	8.31	63	118602	99.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	192451	46.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	166356	44.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	133235	51.132	ug/L 99
3) Chloromethane	1.33	50	129040	53.714	ug/L 99
5) Vinyl chloride	1.40	62	130372	53.863	ug/L 98
6) Bromomethane	1.63	94	63916	42.470	ug/L 95
8) Chloroethane	1.70	64	73557	52.994	ug/L 99
9) Trichlorofluoromethane	1.89	101	181630	52.981	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	97336	51.169	ug/L 99
12) 1,1-Dichloroethene	2.28	96	91210	52.223	ug/L 94
13) Acetone	2.32	43	107530	86.009	ug/L 99
14) Carbon disulfide	2.48	76	344777	51.456	ug/L 100
15) Methyl Acetate	2.62	43	127307	52.911	ug/L 100
16) Methylene chloride	2.70	84	125667	53.467	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	113590	52.764	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	355630	55.142	ug/L 99
19) 1,1-Dichloroethane	3.45	63	212506	54.206	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	152840	64.319	ug/L 98
22) 2-Butanone	4.26	43	171999	102.828	ug/L 98

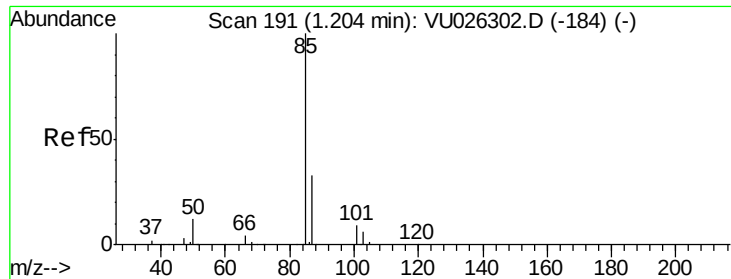
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026325.D
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Instrument :
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	68279	53.728	ug/L	98
25) Chloroform	4.68	83	223230	53.338	ug/L	97
27) 1,2-Dichloroethane	5.41	62	178548	53.555	ug/L	98
29) Cyclohexane	5.00	56	181611	54.685	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	197806	52.572	ug/L	99
31) Carbon tetrachloride	5.14	117	184231	52.081	ug/L	99
33) Benzene	5.39	78	473830	53.670	ug/L	100
34) Trichloroethene	6.19	95	213723	91.548	ug/L	99
35) Methylcyclohexane	6.42	83	190447	53.348	ug/L	97
37) 1,2-Dichloropropane	6.44	63	131233	54.390	ug/L	100
38) Bromodichloromethane	6.76	83	173392	53.743	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	189409	51.681	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	326176	106.666	ug/L	100
42) Toluene	7.64	91	517938	55.136	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	185420	52.581	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	120530	52.881	ug/L	98
46) Tetrachloroethene	8.23	164	106602	53.068	ug/L	95
48) 2-Hexanone	8.36	43	257870	104.784	ug/L	99
49) Dibromochloromethane	8.48	129	150457	53.711	ug/L	100
50) 1,2-Dibromoethane	8.59	107	133763	53.171	ug/L	98
51) Chlorobenzene	9.12	112	338327	52.658	ug/L	98
52) Ethylbenzene	9.25	91	564474	55.168	ug/L	100
53) m,p-Xylene	9.38	106	222699	56.312	ug/L	99
54) o-xylene	9.78	106	215225	55.794	ug/L	95
55) Styrene	9.80	104	378903	57.544	ug/L	98
56) Isopropylbenzene	10.17	105	554620	55.423	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	201804	52.313	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	157747	52.443	ug/L	98
61) Bromoform	9.96	173	114114	51.907	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	279635	53.453	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	292028	52.831	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	286932	52.147	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	47441	51.611	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	211514	51.507	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	193300	53.923	ug/L	99
69) Naphthalene	13.74	128	612309	57.336	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	205902	53.911	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 51.132 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

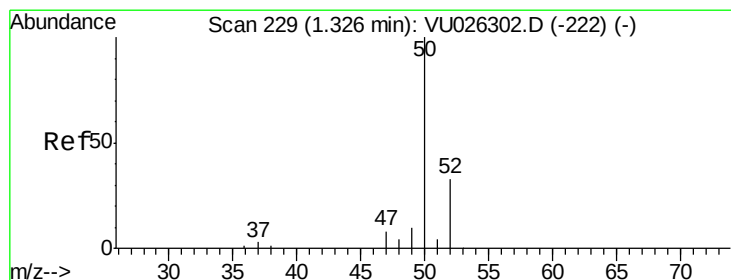
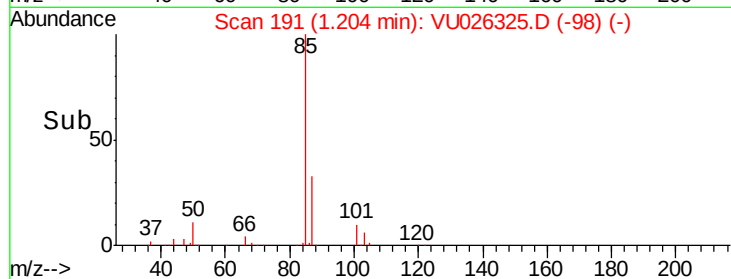
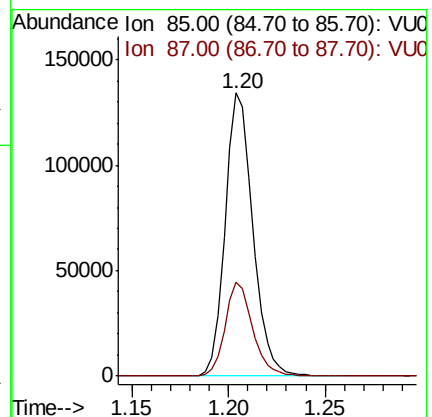
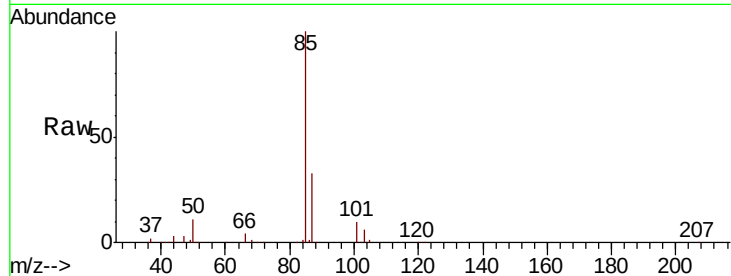
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 133235

Ion Ratio Lower Upper

85 100

87 32.8 25.9 38.9



#3

Chloromethane

Concen: 53.714 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU026325.D

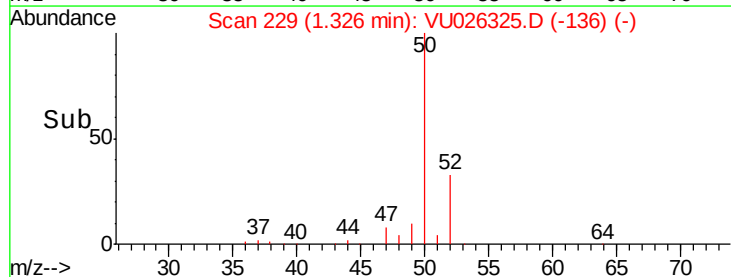
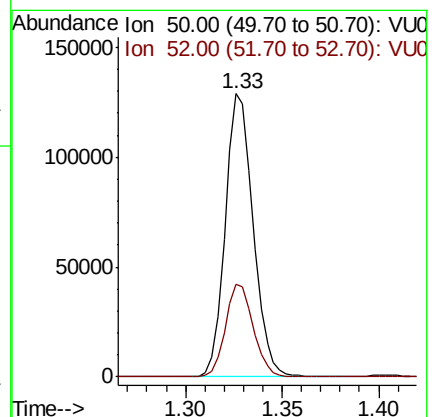
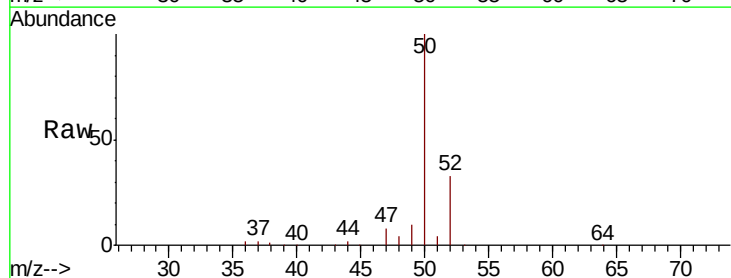
Acq: 24 Aug 2018 02:01

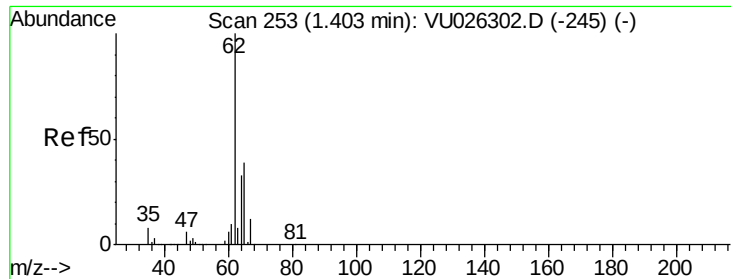
Tgt Ion: 50 Resp: 129040

Ion Ratio Lower Upper

50 100

52 32.7 22.6 42.0





#5

Vinyl chloride

Concen: 53.863 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

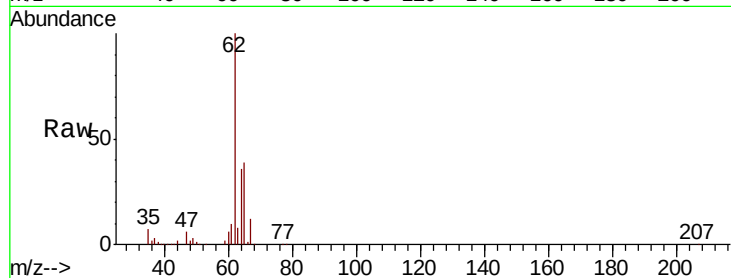
ClientSampled :

Tot Ion: 62 Resp: 130372

Ion Ratio Lower Upper

62 100

64 35.5 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

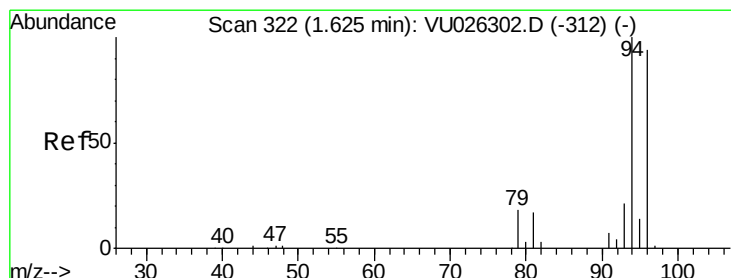
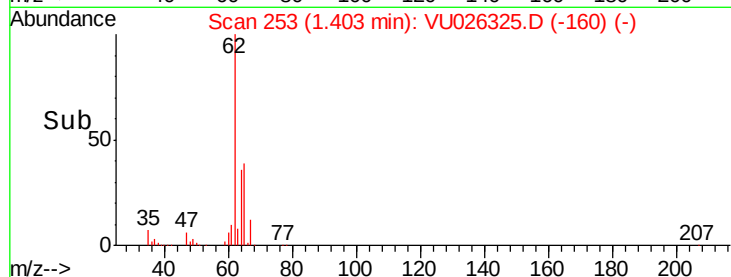
150000

100000

50000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 42.470 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU026325.D

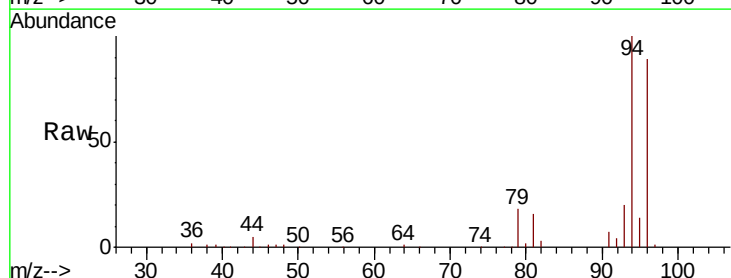
Acq: 24 Aug 2018 02:01

Tgt Ion: 94 Resp: 63916

Ion Ratio Lower Upper

94 100

96 88.9 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

60000

50000

40000

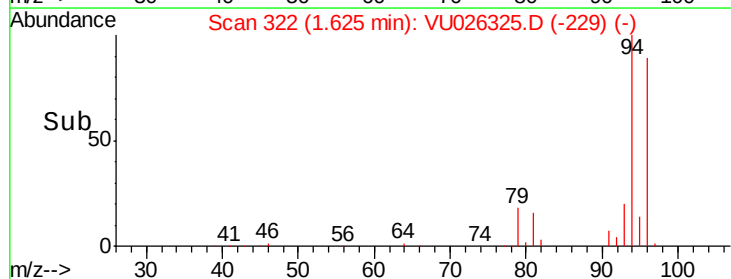
30000

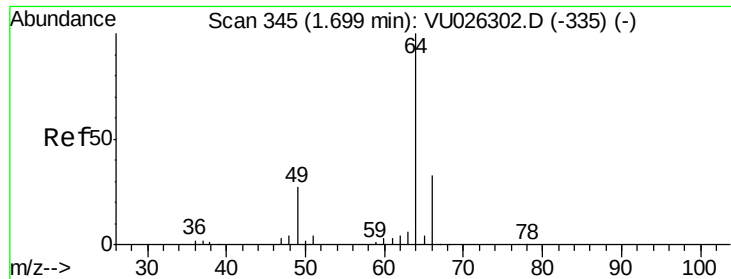
20000

10000

0

Time--> 1.60 1.65 1.70





#8

Chloroethane

Concen: 52.994 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

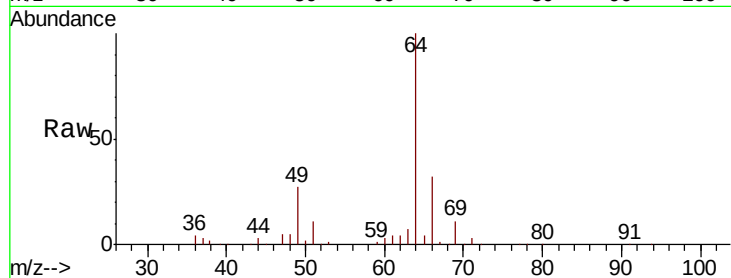
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 73557

Ion Ratio Lower Upper

64 100

66 31.7 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026302.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VU026302.D (-335) (-)

1.70

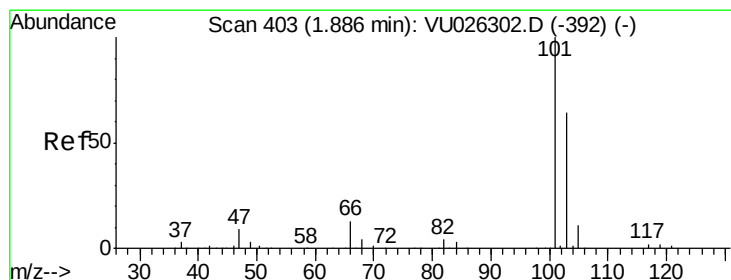
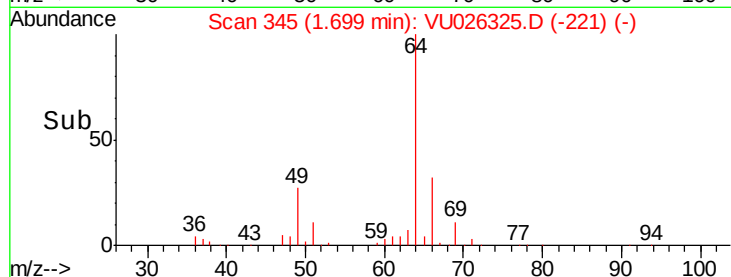
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 52.981 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026325.D

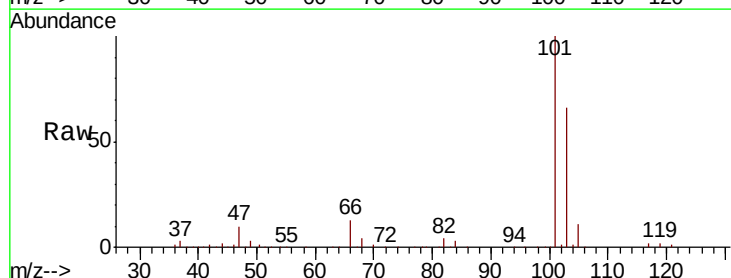
Acq: 24 Aug 2018 02:01

Tgt Ion:101 Resp: 181630

Ion Ratio Lower Upper

101 100

103 64.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026302.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026302.D (-392) (-)

1.89

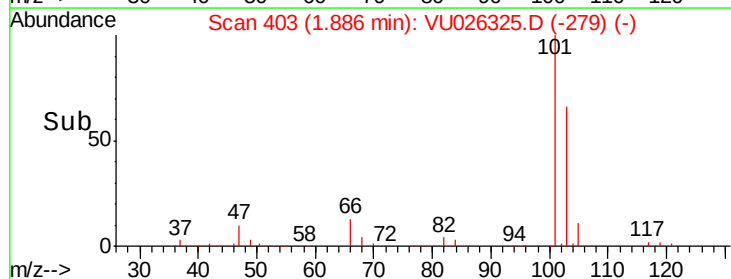
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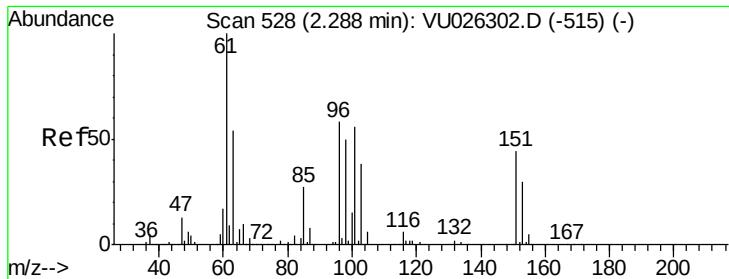
100000

50000

0

Time-->





#10

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

Concen: 51.169 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

ClientSampled :

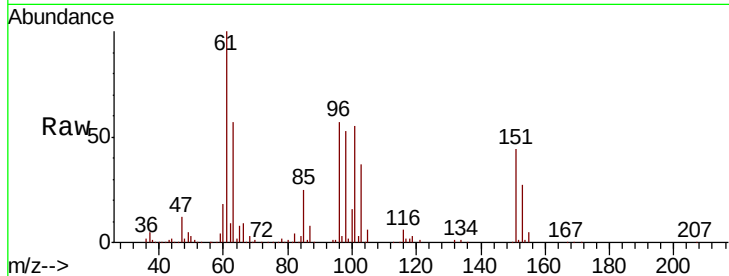
Tot Ion:101 Resp: 97336

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.6

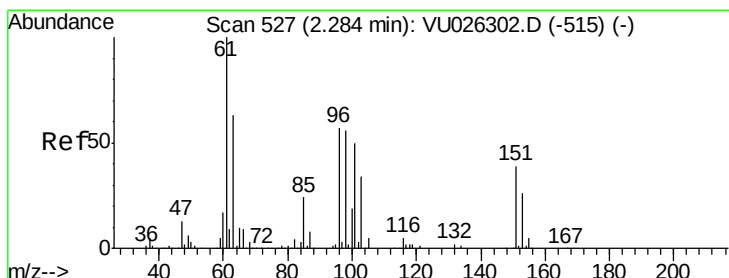
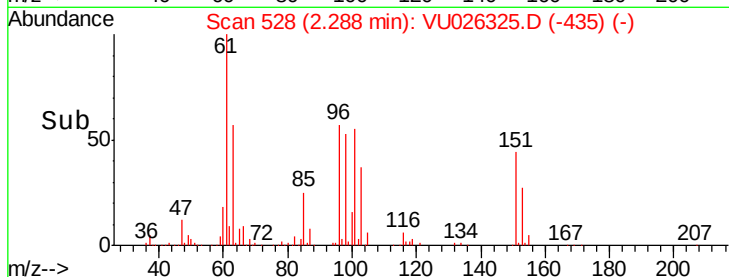
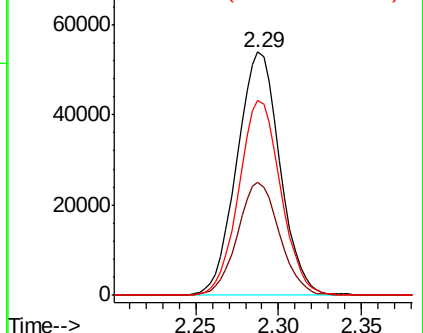
151 78.1 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.223 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

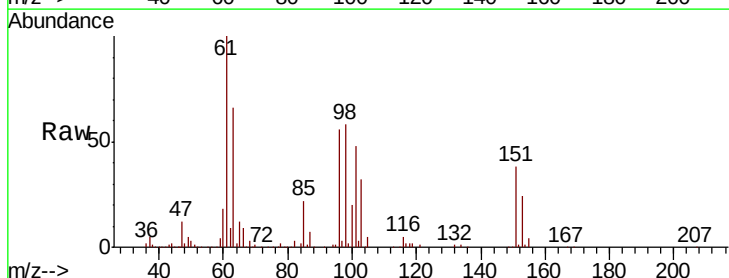
Tgt Ion: 96 Resp: 91210

Ion Ratio Lower Upper

96 100

61 179.8 124.7 231.5

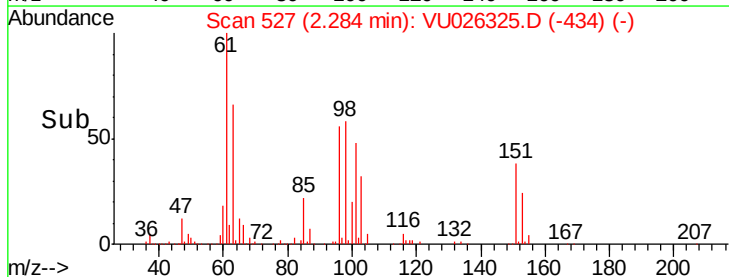
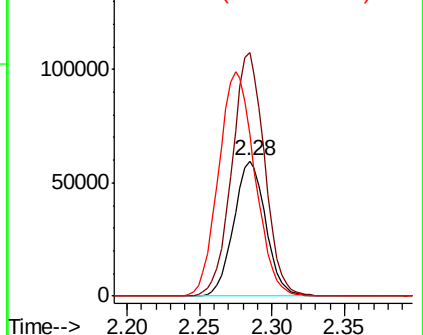
63 119.4 93.7 174.1

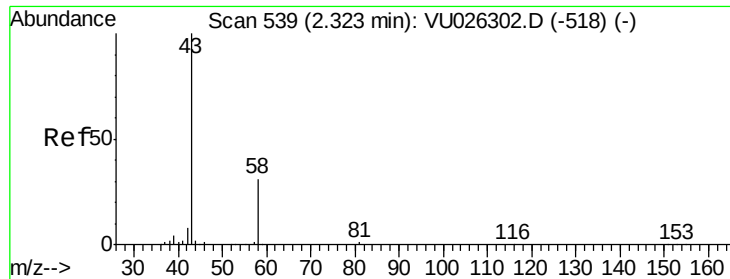


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

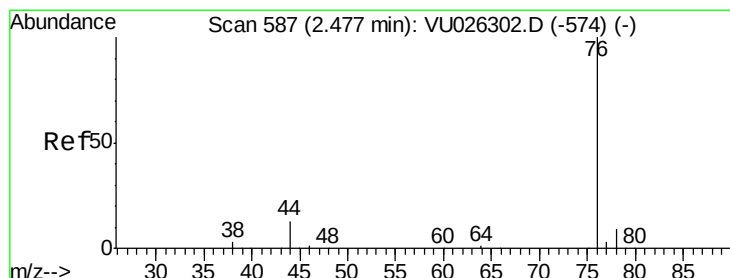
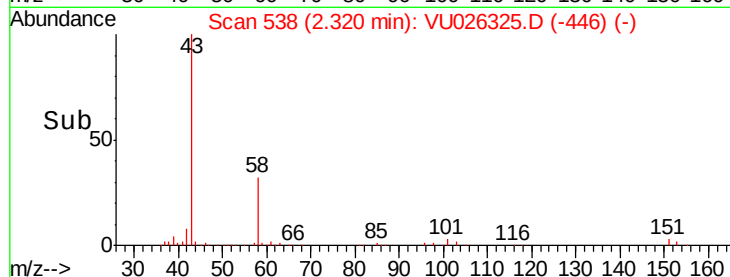
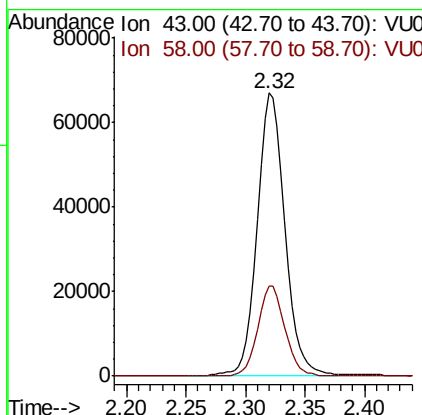
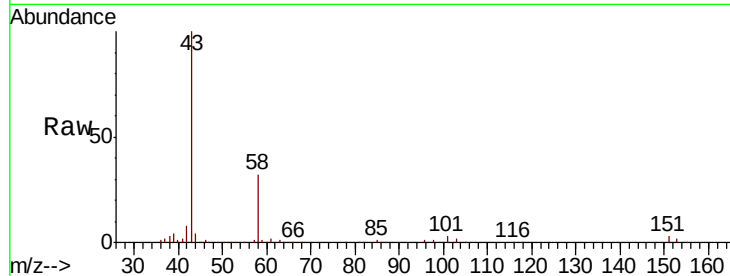




#13
Acetone
Concen: 86.009 ug/L
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU026325.D
Acq: 24 Aug 2018 02:01

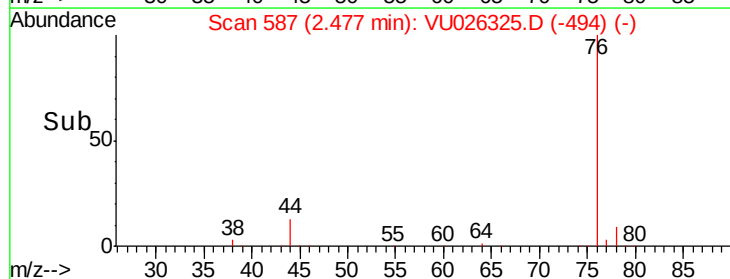
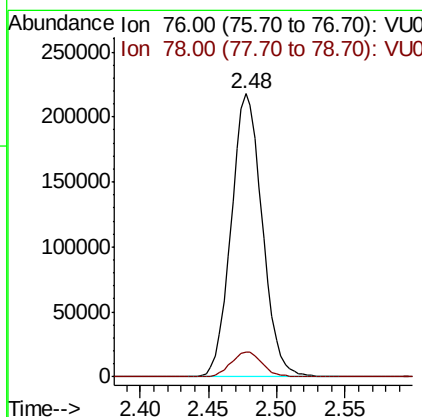
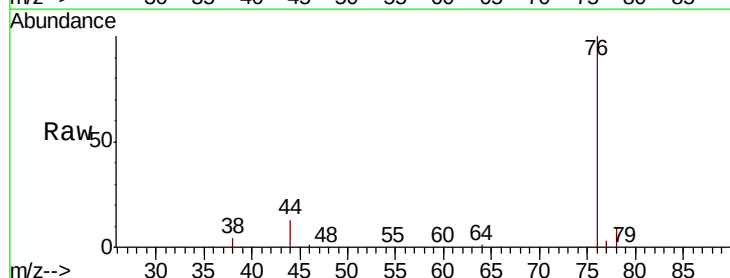
Instrument :
MSVOA_U
ClientSampleId :

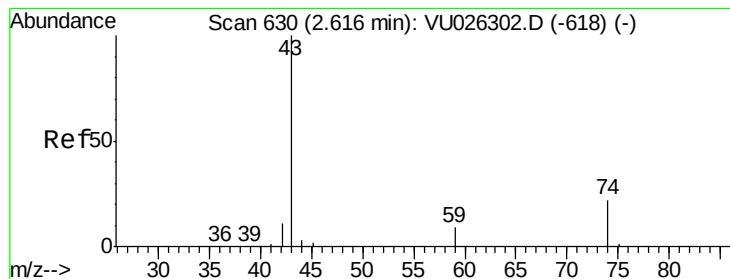
Tot Ion: 43 Resp: 107530
Ion Ratio Lower Upper
43 100
58 31.4 0.0 61.2



#14
Carbon disulfide
Concen: 51.456 ug/L
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU026325.D
Acq: 24 Aug 2018 02:01

Tgt Ion: 76 Resp: 344777
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8





#15

Methvl Acetate

Concen: 52.911 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

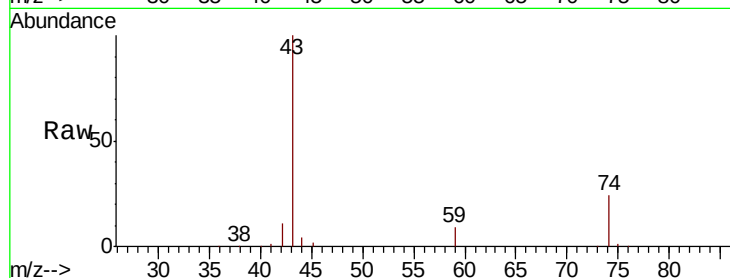
ClientSampleId :

Tot Ion: 43 Resp: 127307

Ion Ratio Lower Upper

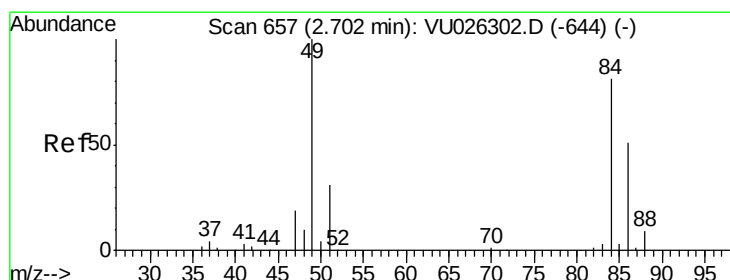
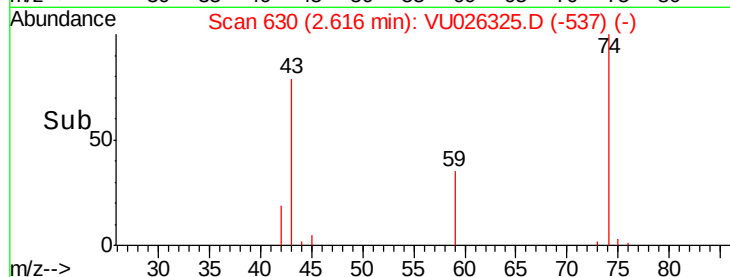
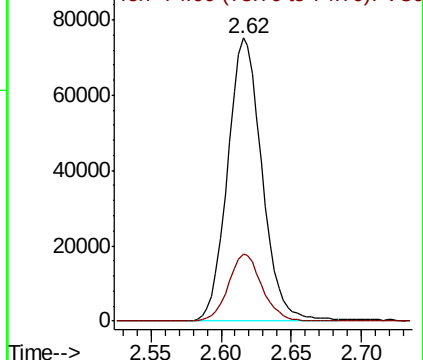
43 100

74 23.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 53.467 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

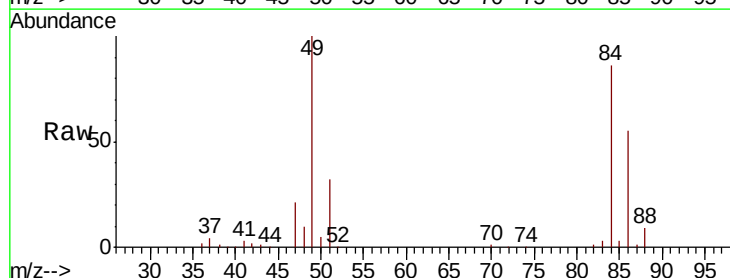
Tgt Ion: 84 Resp: 125667

Ion Ratio Lower Upper

84 100

86 64.3 45.4 84.4

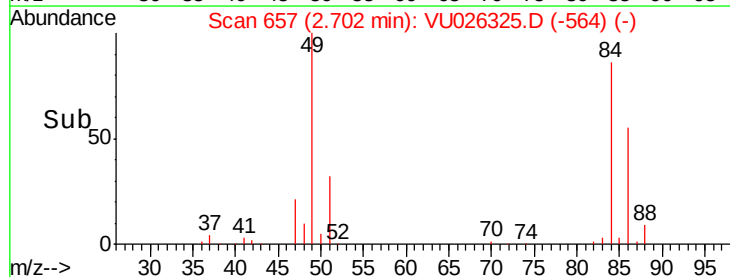
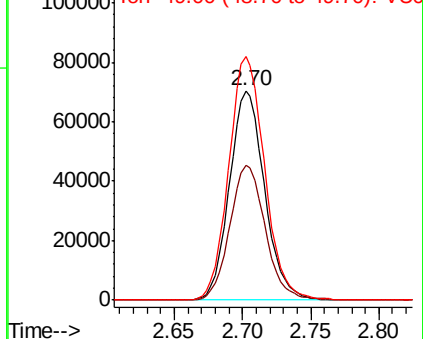
49 116.4 85.3 158.5

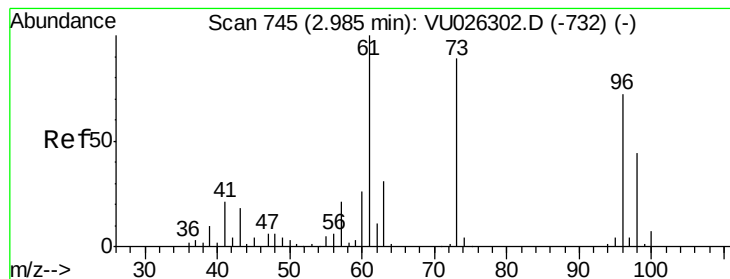


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 52.764 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

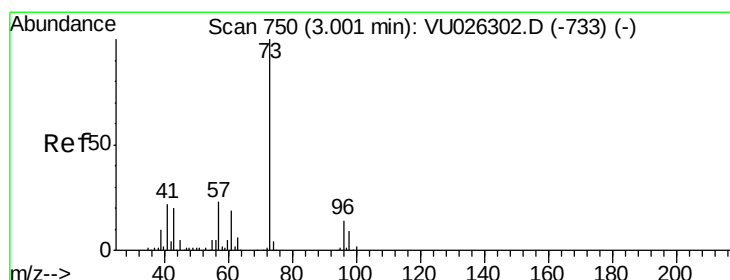
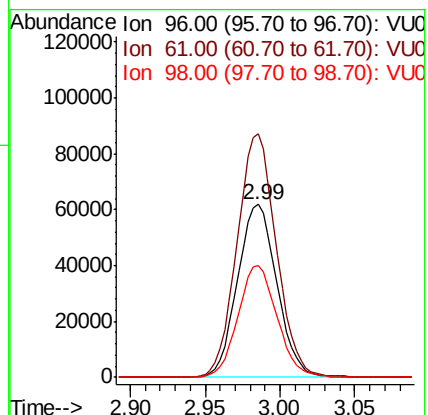
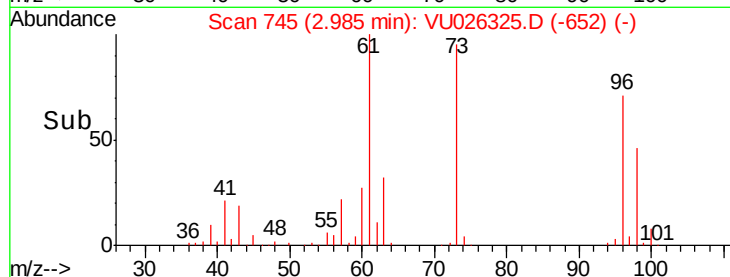
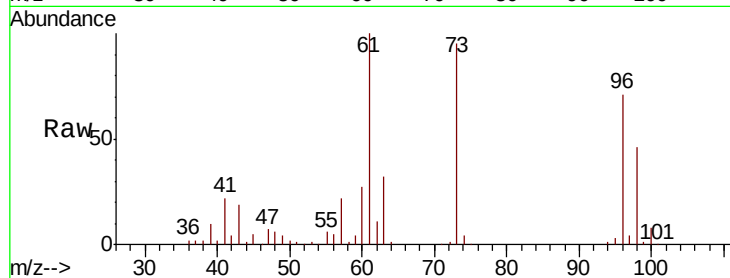
Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 113590

Ion	Ratio	Lower	Upper
96	100		
61	140.9	97.9	181.9
98	64.8	45.1	83.7



#18

Methyl tert-butyl Ether

Concen: 55.142 ug/L

RT: 3.00 min Scan# 750

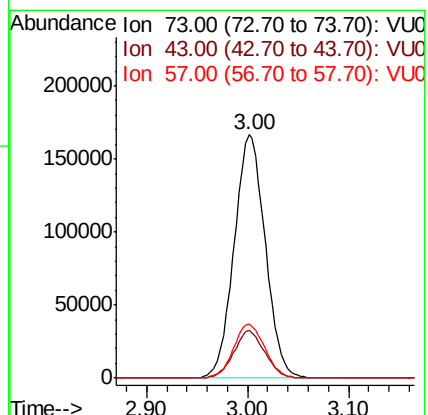
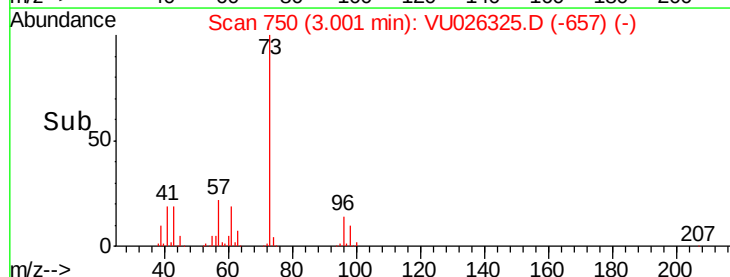
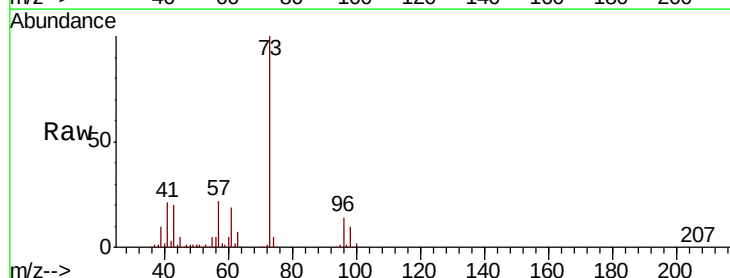
Delta R.T. 0.00 min

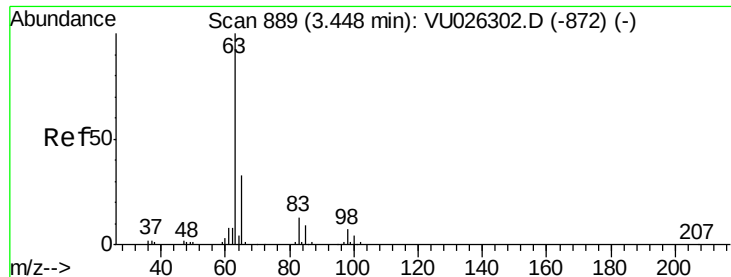
Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Tgt Ion: 73 Resp: 355630

Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.7	23.5
57	22.5	17.5	26.3

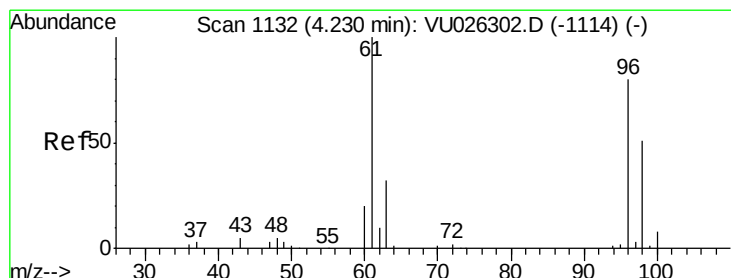
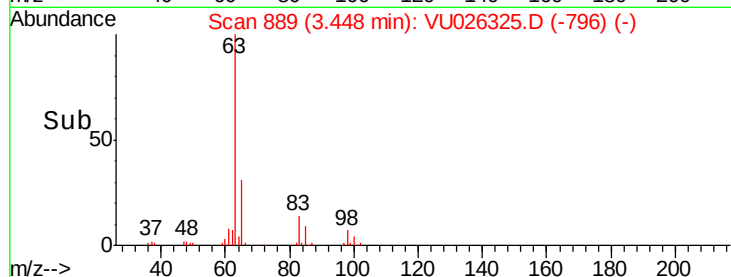
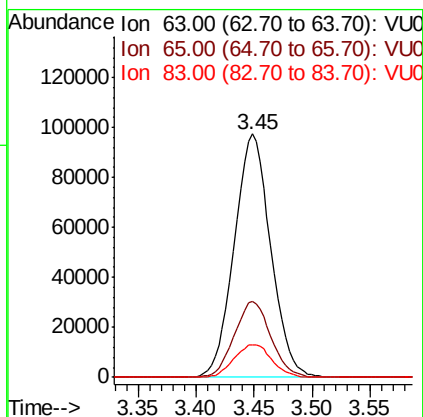
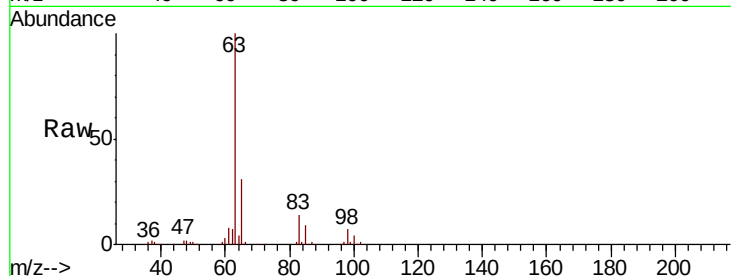




#19
 1,1-Dichloroethane
 Concen: 54.206 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

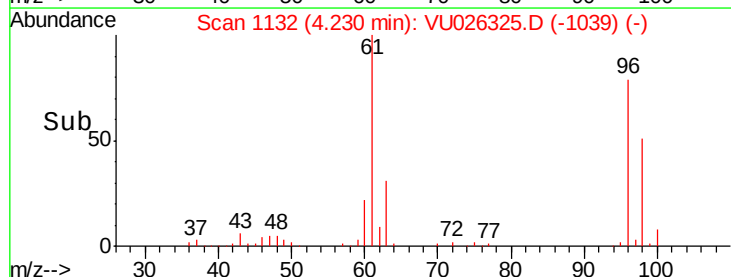
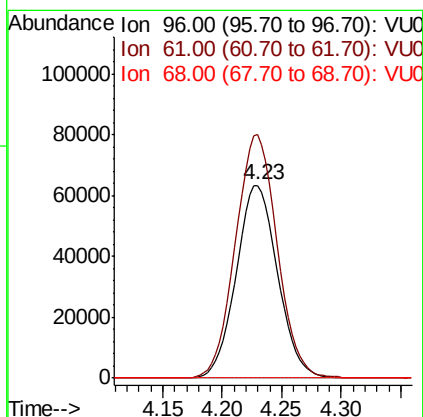
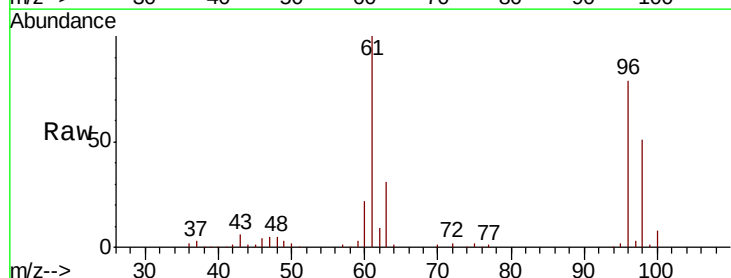
Instrument :
 MSVOA_U
 ClientSampleId :

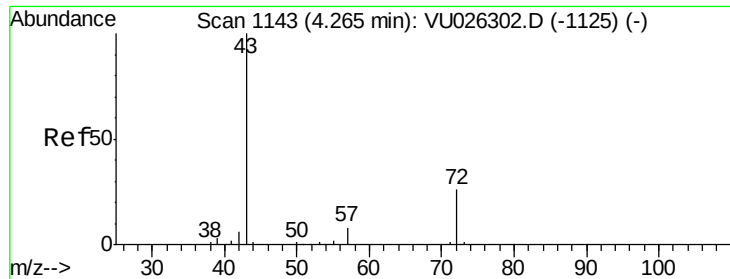
Tot Ion	63	Resp	212506
Ion Ratio	Lower	Upper	
63	100		
65	31.3	21.4	39.8
83	13.6	9.2	17.2



#20
 cis-1,2-Dichloroethene
 Concen: 64.319 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Tgt Ion	96	Resp	152840
Ion Ratio	Lower	Upper	
96	100		
61	126.3	90.3	167.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 102.828 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

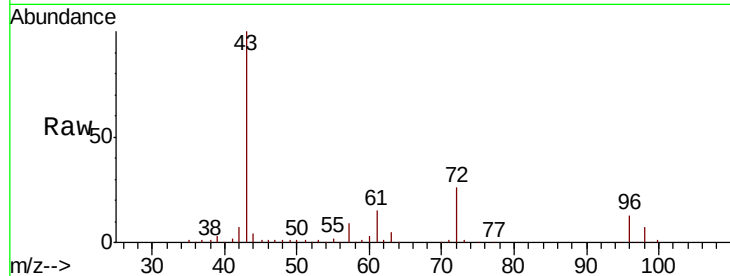
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 171999

Ion Ratio Lower Upper

43 100

72 27.3 14.1 42.3

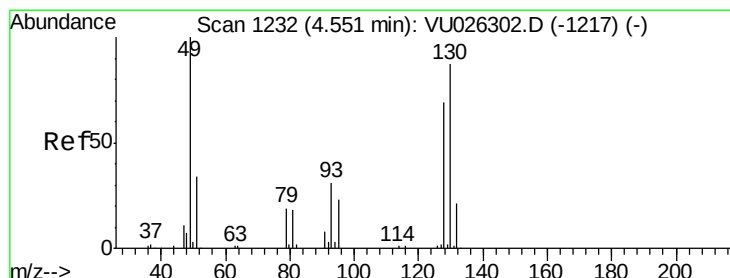
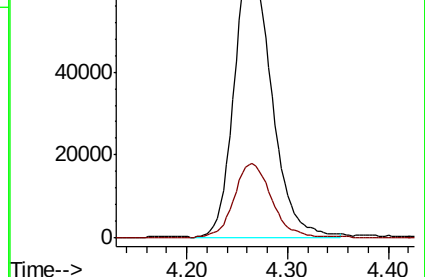
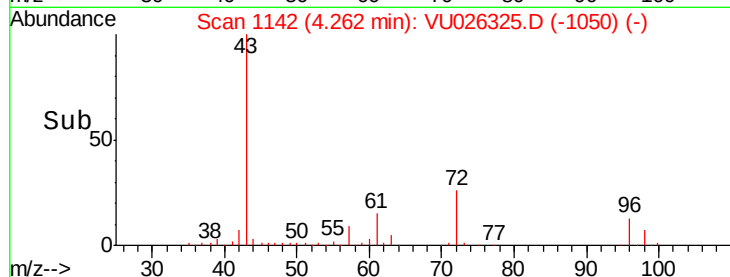


Abundance Ion 43.00 (42.70 to 43.70): VU026325.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU026325.D (-1142) (-)

4.26

Time-->



#23

Bromochloromethane

Concen: 53.728 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Tgt Ion:128 Resp: 68279

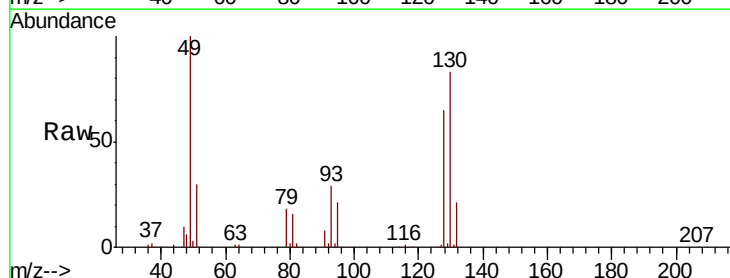
Ion Ratio Lower Upper

128 100

49 153.4 106.7 198.3

130 127.2 91.7 170.3

51 45.5 38.0 57.0



Abundance Ion 128.00 (127.70 to 128.70): VU026325.D (-1232) (-)

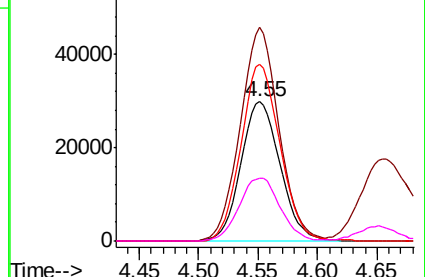
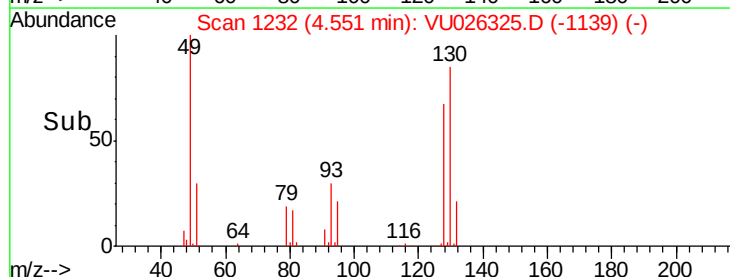
Ion 49.00 (48.70 to 49.70): VU026325.D (-1232) (-)

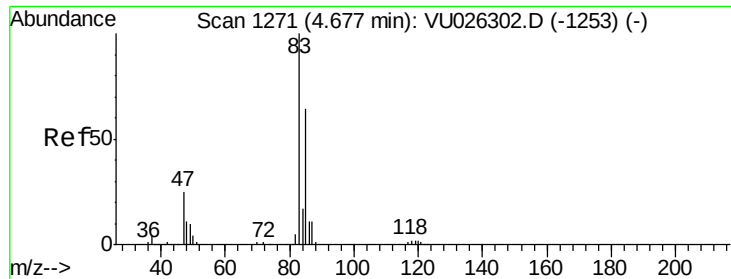
Ion 130.00 (129.70 to 130.70): VU026325.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU026325.D (-1232) (-)

4.55

Time-->





#25

Chloroform

Concen: 53.338 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

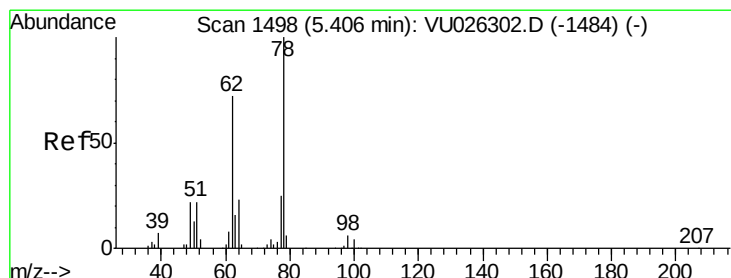
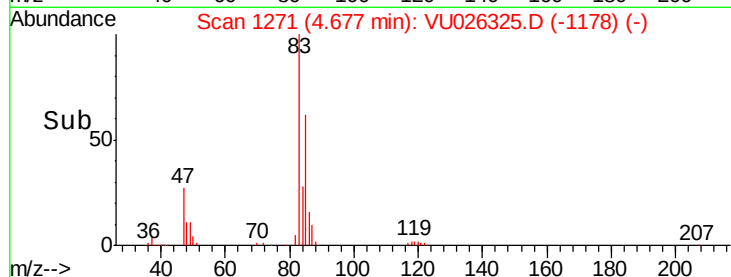
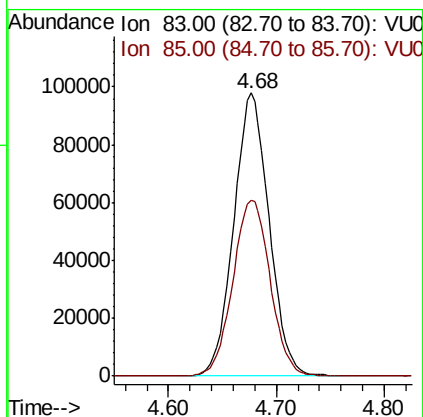
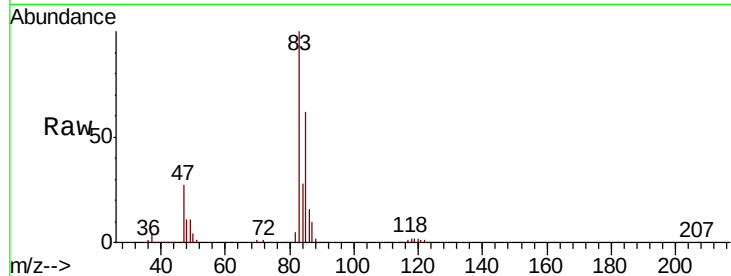
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 223230

Ion Ratio Lower Upper

83 100

85 62.3 45.0 83.6



#27

1,2-Dichloroethane

Concen: 53.555 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VU026325.D

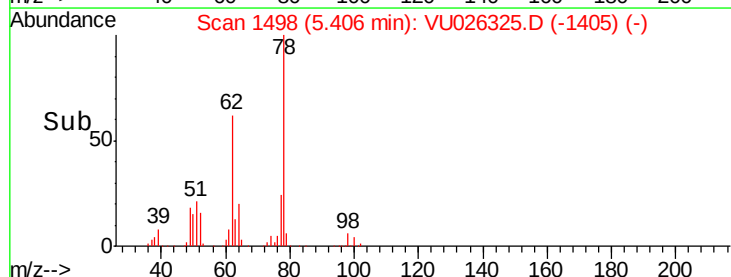
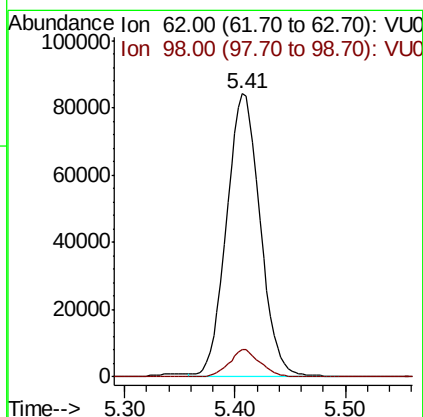
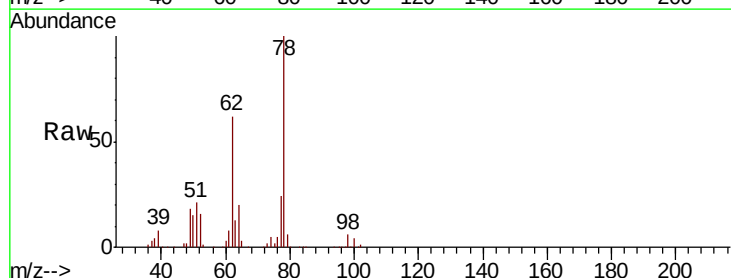
Acq: 24 Aug 2018 02:01

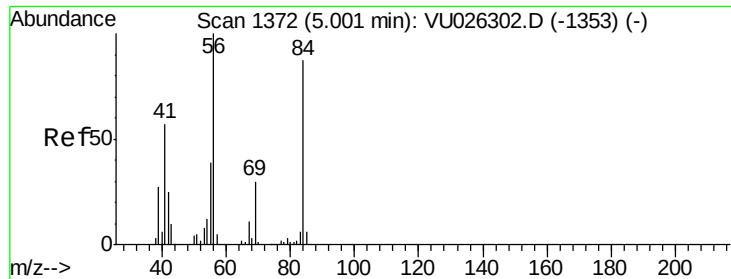
Tgt Ion: 62 Resp: 178548

Ion Ratio Lower Upper

62 100

98 9.6 7.2 10.8

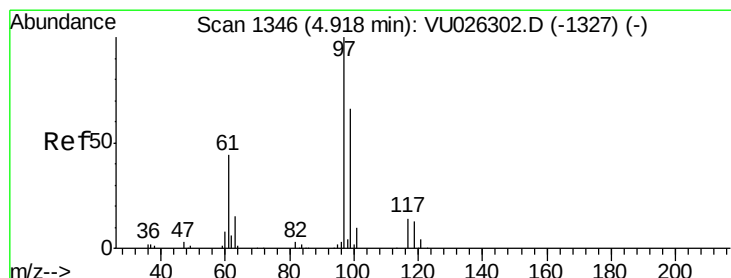
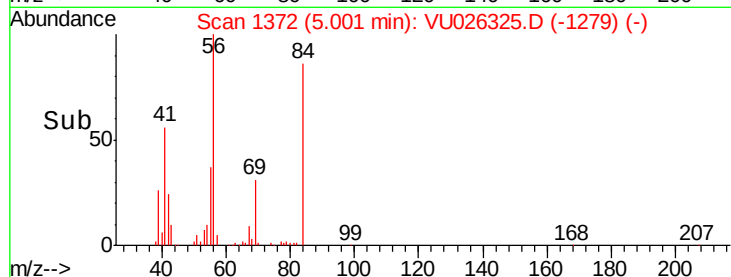
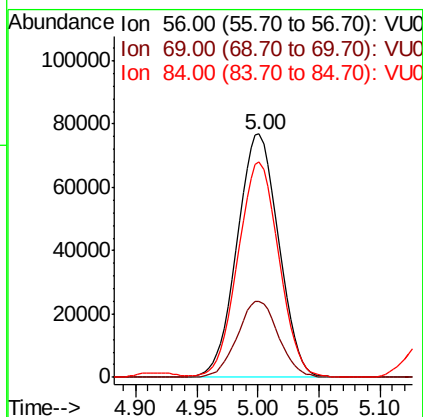
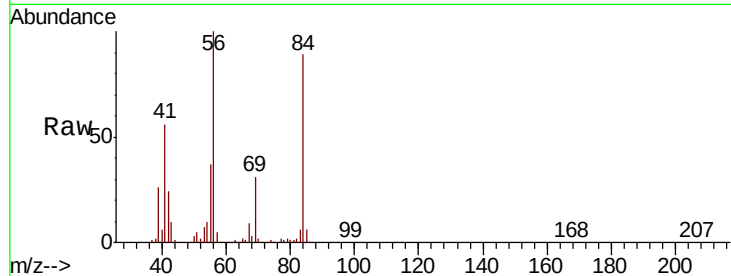




#29
Cyclohexane
Concen: 54.685 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026325.D
Acq: 24 Aug 2018 02:01

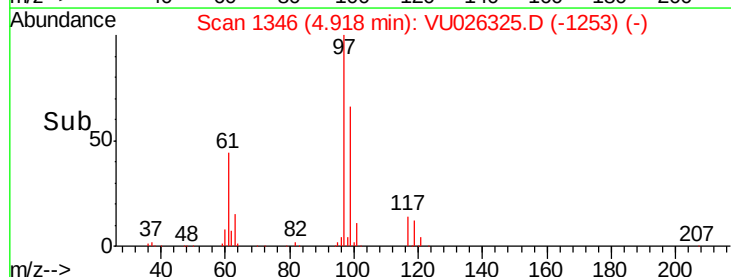
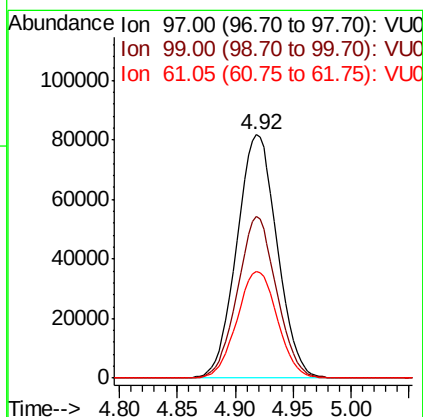
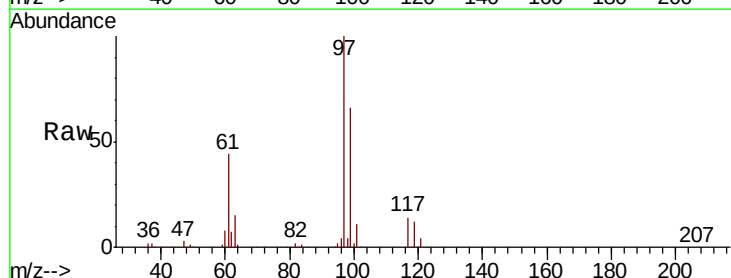
Instrument :
MSVOA_U
ClientSampleId :

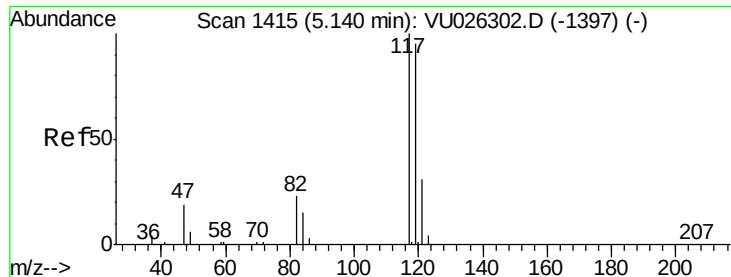
Tot Ion: 56 Resp: 181611
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 87.5 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 52.572 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026325.D
Acq: 24 Aug 2018 02:01

Tgt Ion: 97 Resp: 197806
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 44.1 34.2 51.4





#31

Carbon tetrachloride

Concen: 52.081 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

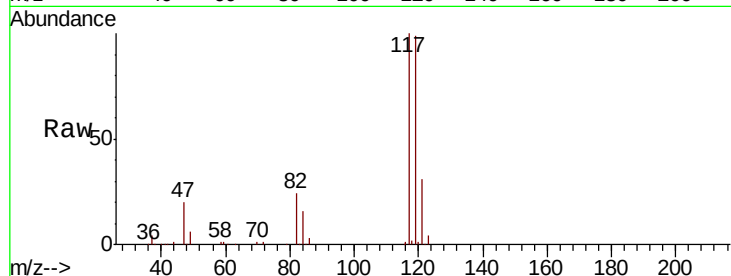
ClientSampleId :

Tot Ion:117 Resp: 184231

Ion Ratio Lower Upper

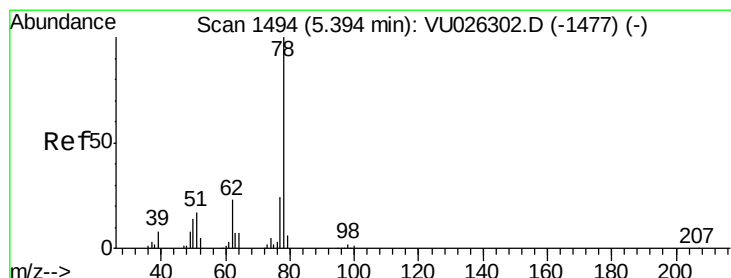
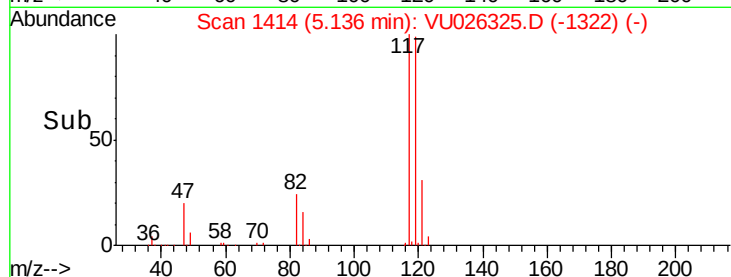
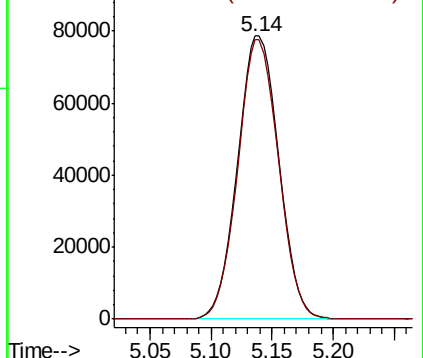
117 100

119 97.1 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.670 ug/L

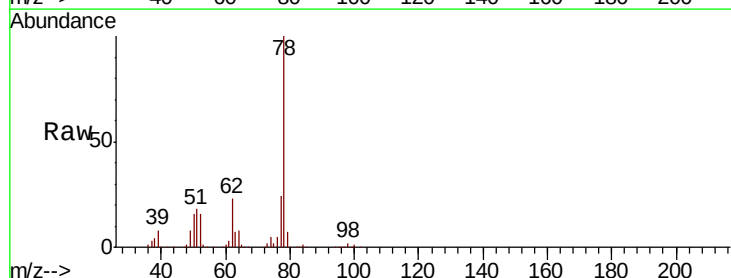
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

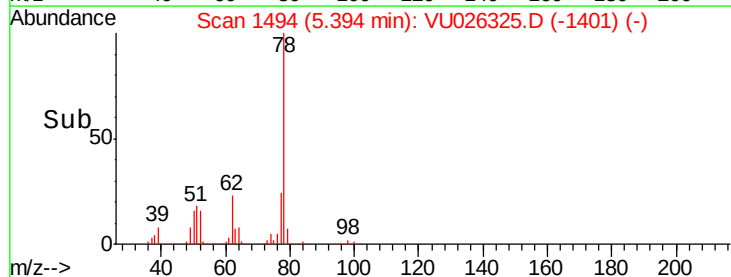
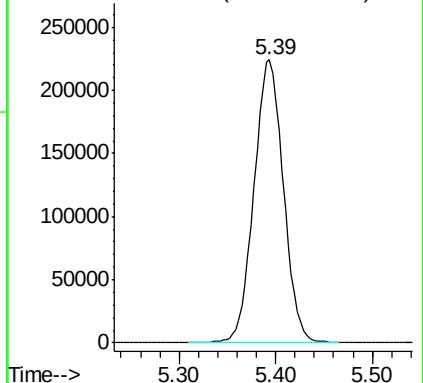
Lab File: VU026325.D

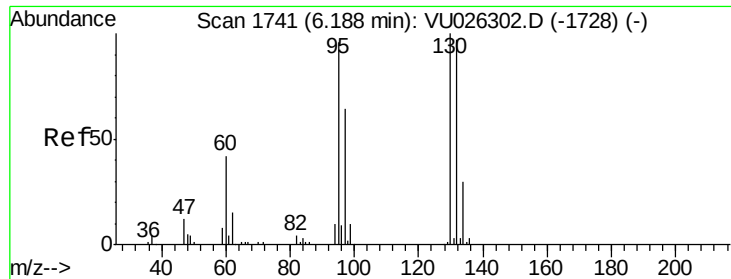
Acq: 24 Aug 2018 02:01

Tgt Ion: 78 Resp: 473830



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 91.548 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 213723

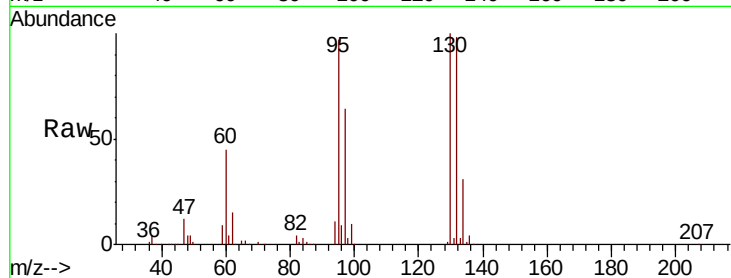
Ion Ratio Lower Upper

95 100

97 66.3 47.2 87.6

132 100.5 70.2 130.4

130 102.8 73.4 136.4

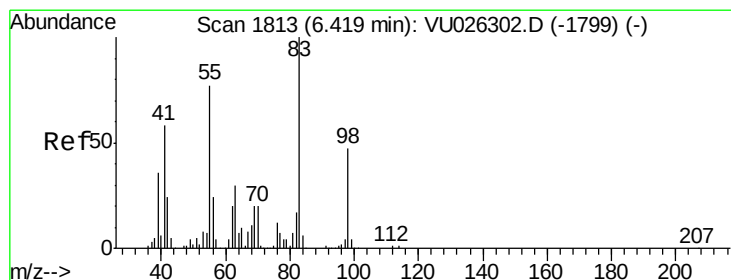
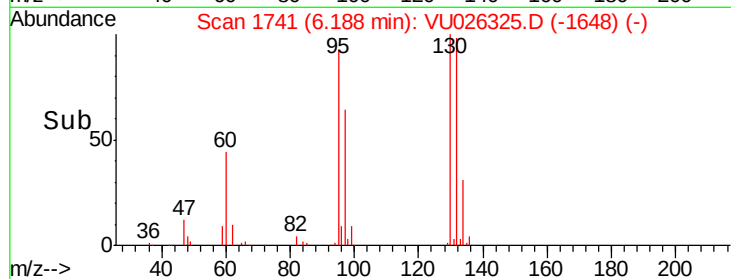
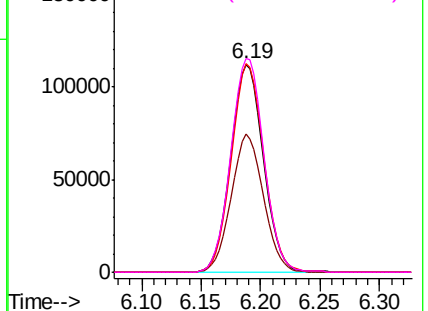


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 53.348 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

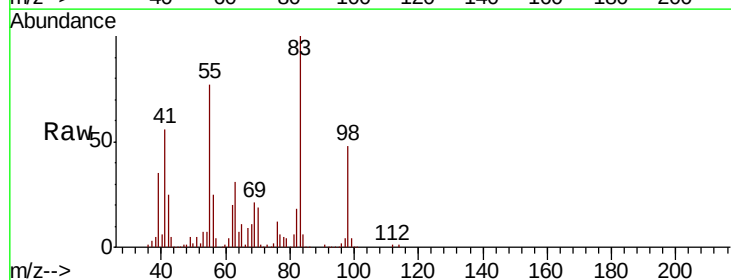
Tgt Ion: 83 Resp: 190447

Ion Ratio Lower Upper

83 100

55 77.8 60.6 91.0

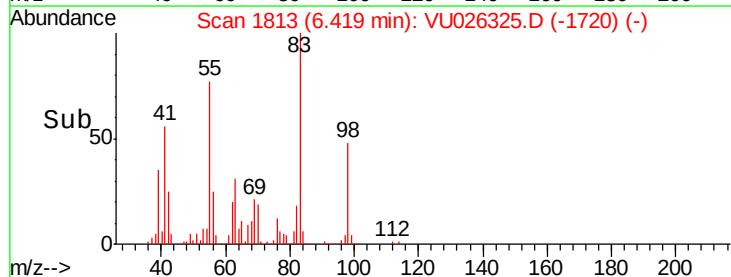
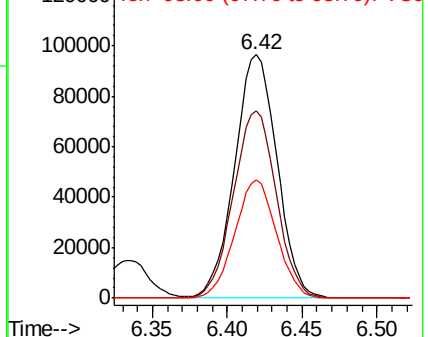
98 47.8 36.8 55.2

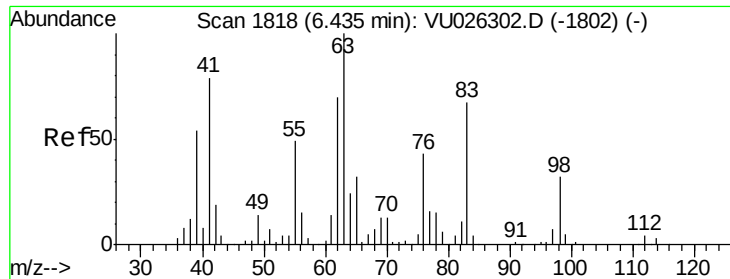


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

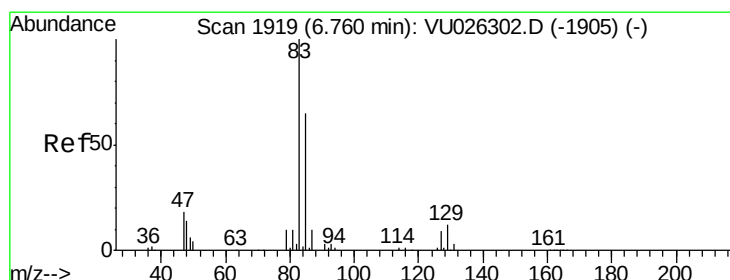
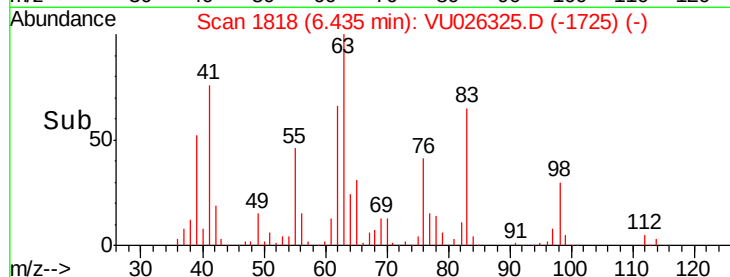
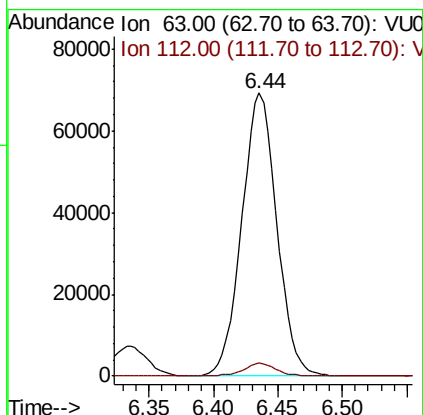
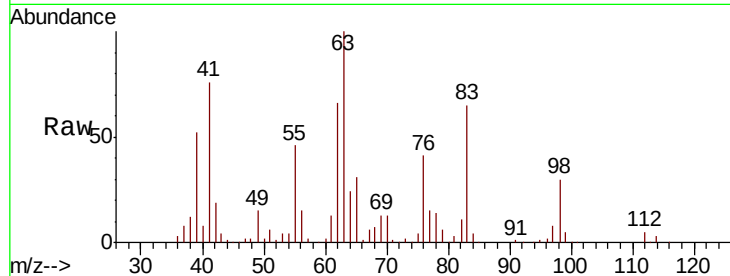




#37
 1,2-Dichloropropane
 Concen: 54.390 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

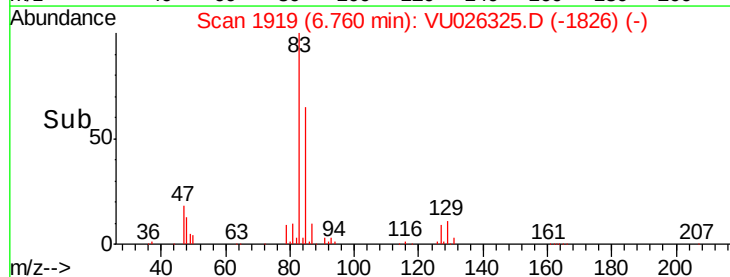
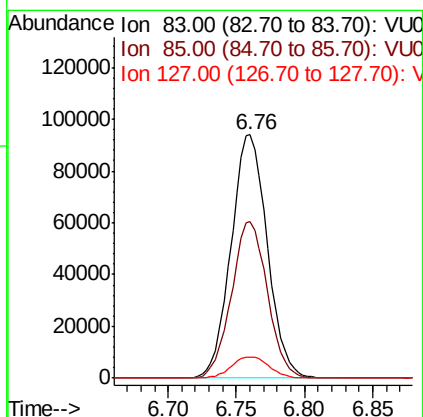
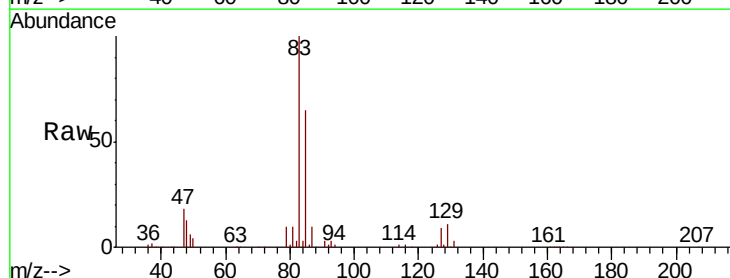
Instrument :
 MSVOA_U
 ClientSampleId :

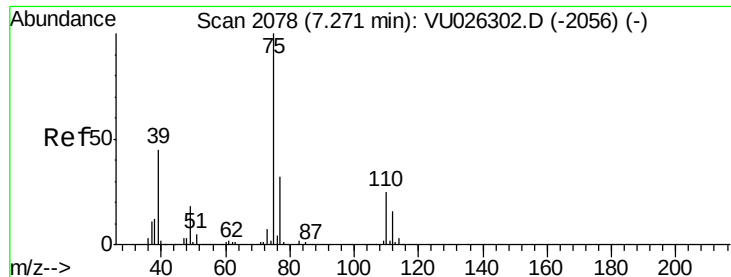
Tot Ion: 63 Resp: 131233
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 53.743 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Tgt Ion: 83 Resp: 173392
 Ion Ratio Lower Upper
 83 100
 85 64.6 46.3 86.1
 127 8.5 7.8 11.6

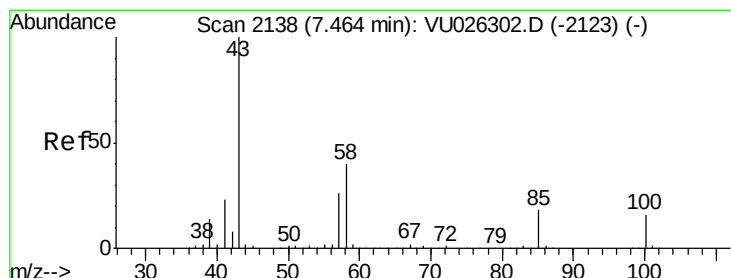
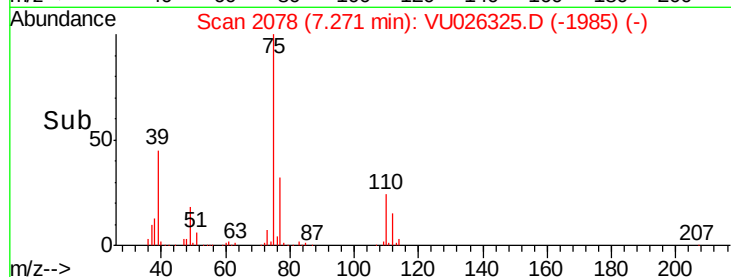
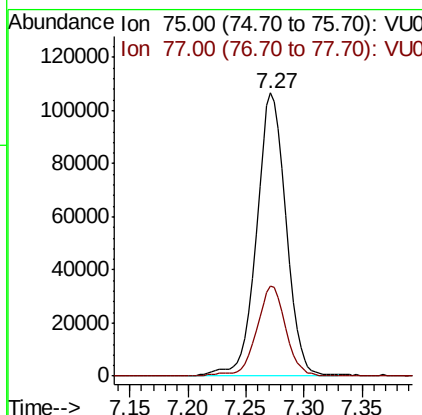
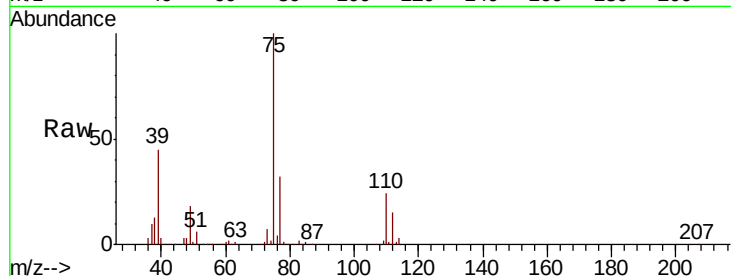




#39
 cis-1,3-Dichloropropene
 Concen: 51.681 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

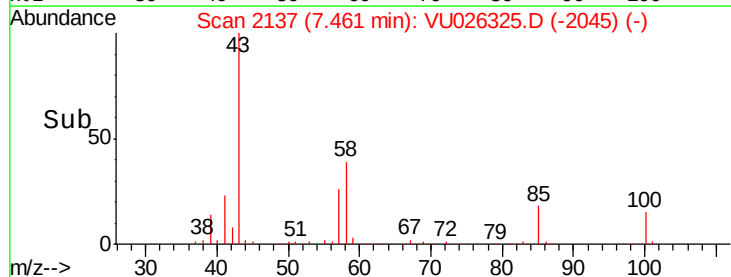
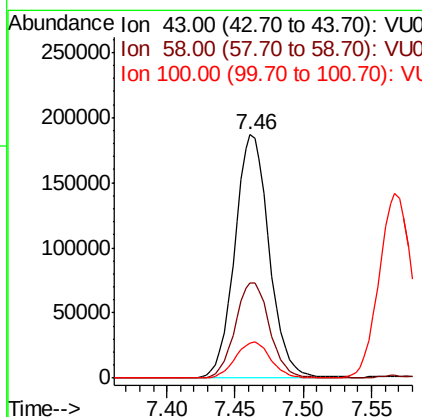
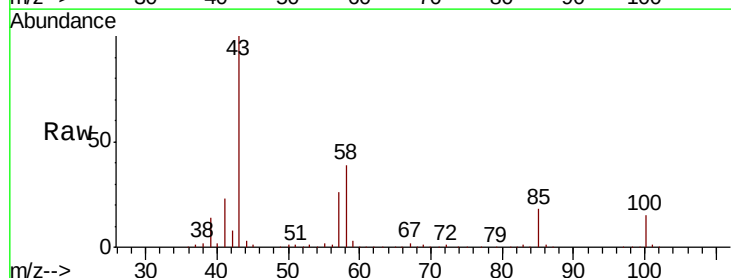
Instrument :
 MSVOA_U
 ClientSampleId :

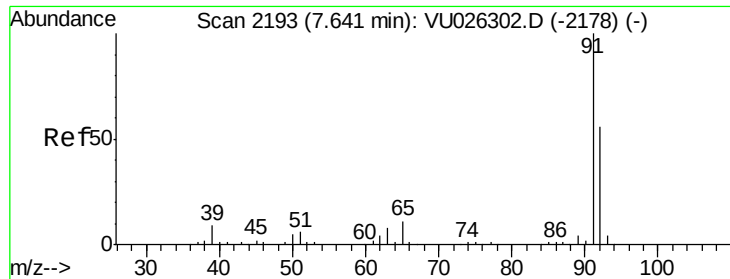
Tot Ion: 75 Resp: 189409
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 106.666 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Tgt Ion: 43 Resp: 326176
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.6 47.4
 100 15.3 12.3 18.5





#42

Toluene

Concen: 55.136 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

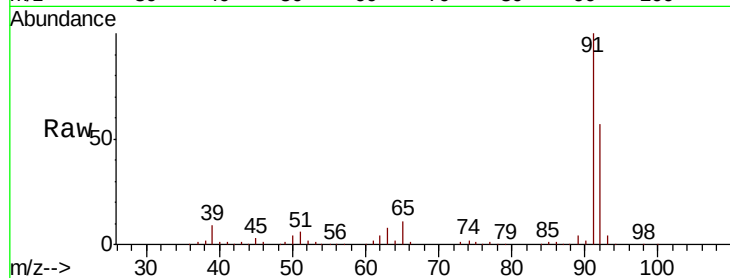
ClientSampleId :

Tot Ion: 91 Resp: 517938

Ion Ratio Lower Upper

91 100

92 56.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

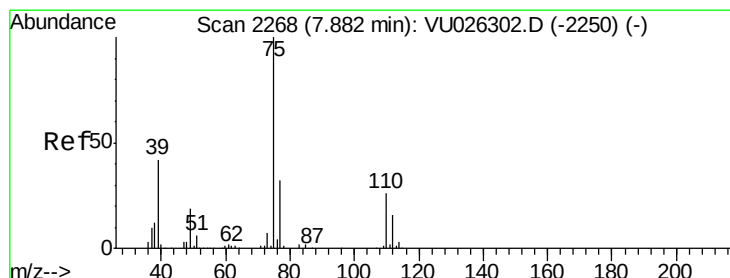
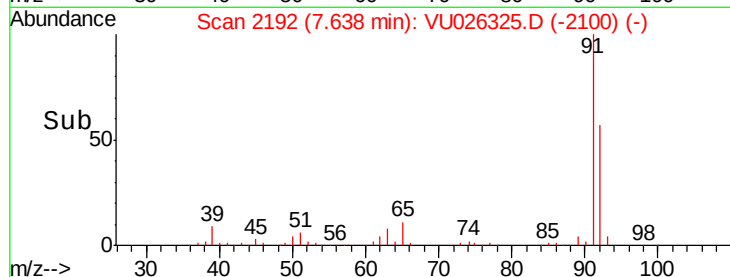
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.581 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026325.D

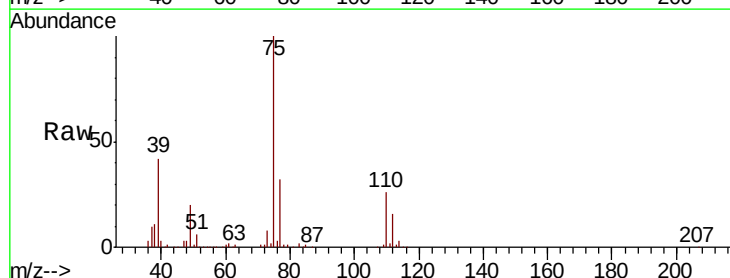
Acq: 24 Aug 2018 02:01

Tgt Ion: 75 Resp: 185420

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

120000

100000

80000

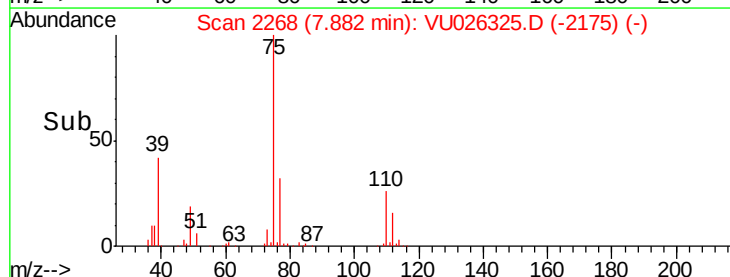
60000

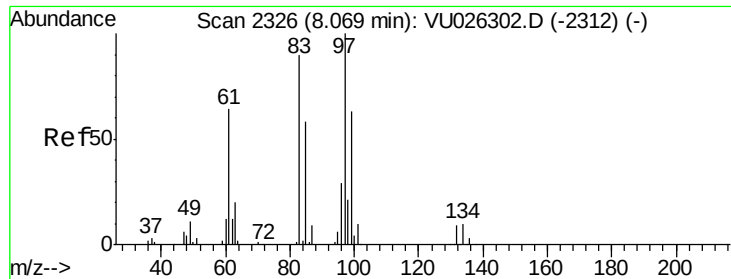
40000

20000

0

Time-->

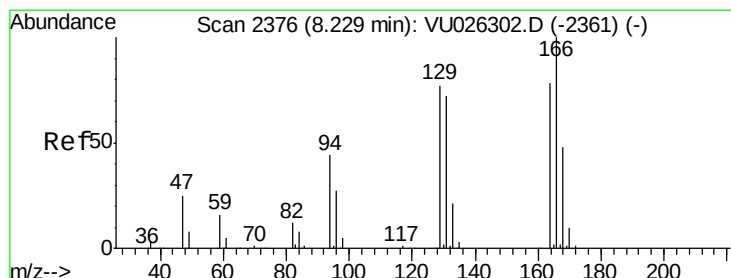
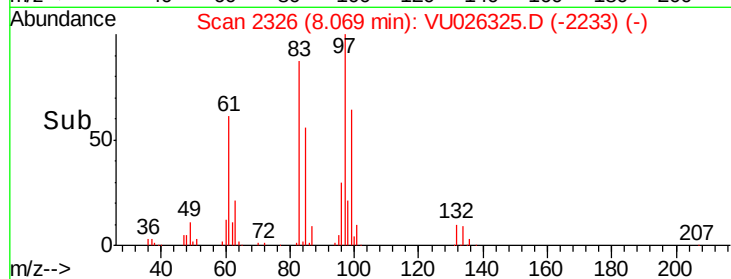
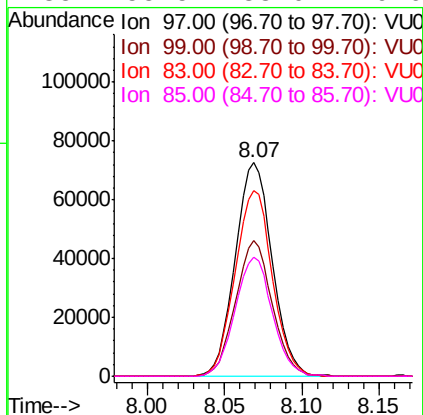
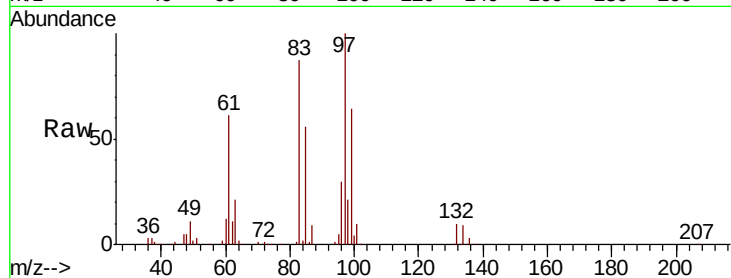




#45
 1,1,2-Trichloroethane
 Concen: 52.881 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

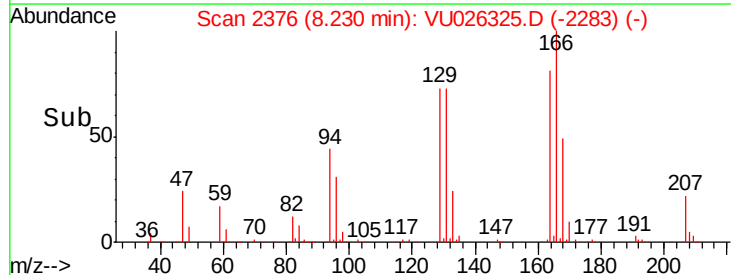
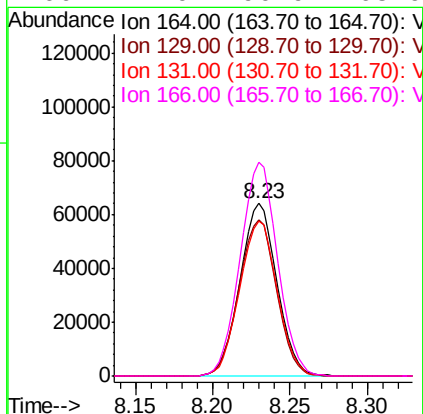
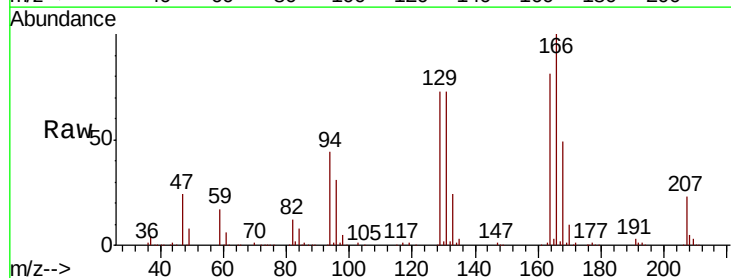
Instrument :
 MSVOA_U
 ClientSampleId :

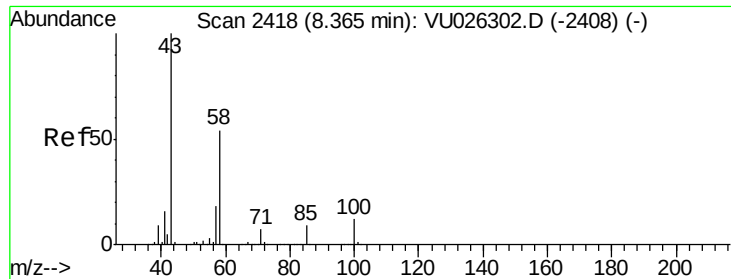
Tot Ion:	97	Resp:	120530
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.0	81.6
83	87.2	59.2	110.0
85	55.5	38.0	70.6



#46
 Tetrachloroethene
 Concen: 53.068 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Tgt Ion:	164	Resp:	106602
Ion	Ratio	Lower	Upper
164	100		
129	90.5	67.3	124.9
131	89.9	65.5	121.7
166	124.0	90.9	168.9

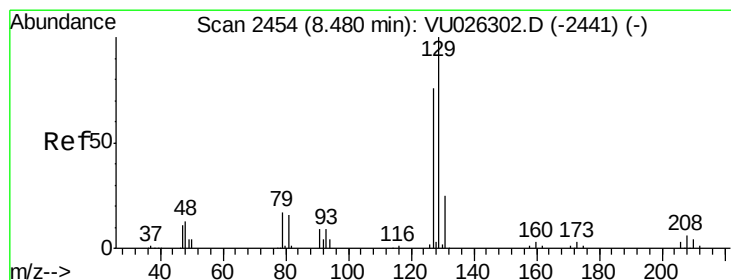
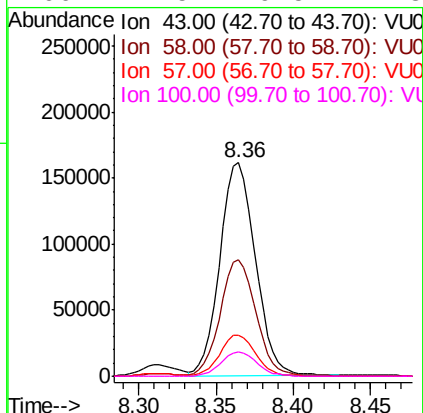
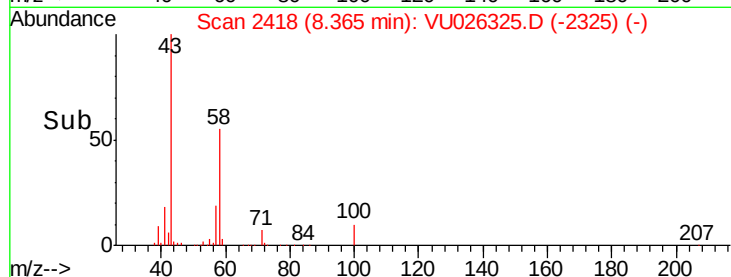
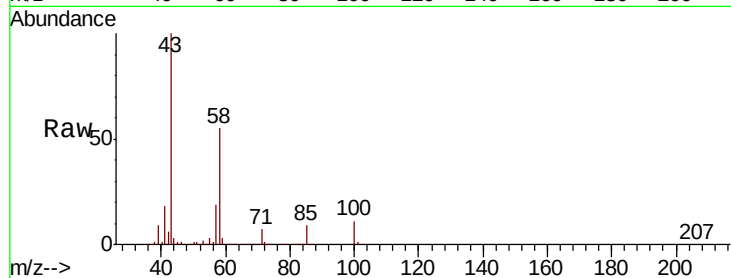




#48
2-Hexanone
Concen: 104.784 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026325.D
Acq: 24 Aug 2018 02:01

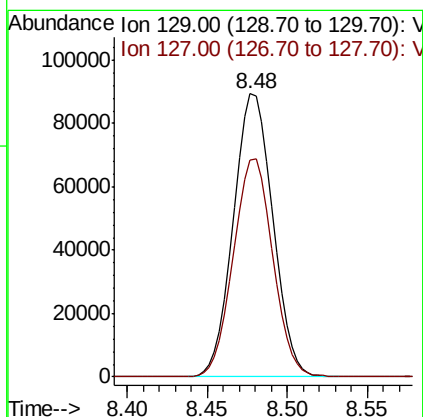
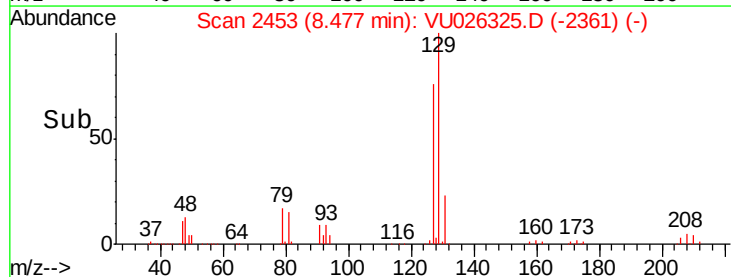
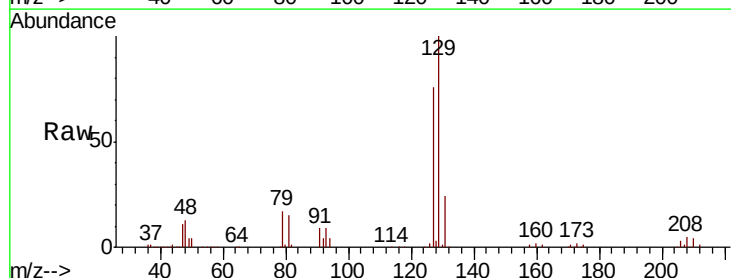
Instrument :
MSVOA_U
ClientSampleId :

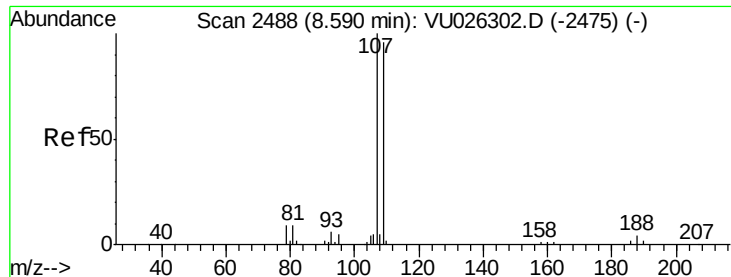
Tot Ion:	43	Resp:	257870
Ion	Ratio	Lower	Upper
43	100		
58	54.0	42.6	63.8
57	19.7	15.1	22.7
100	11.5	9.5	14.3



#49
Dibromochloromethane
Concen: 53.711 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026325.D
Acq: 24 Aug 2018 02:01

Tgt Ion:	129	Resp:	150457
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.8	100.0

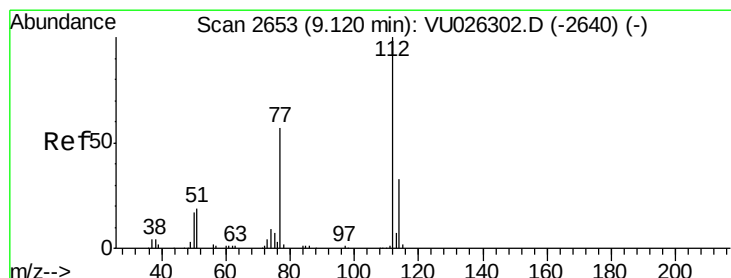
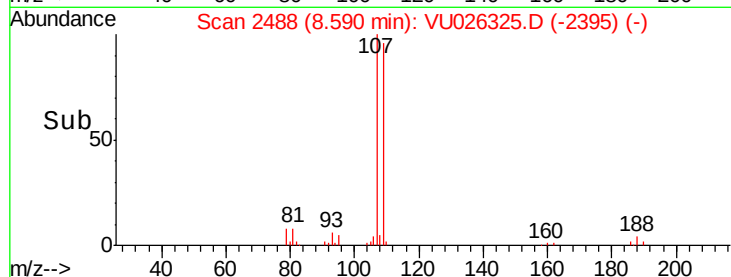
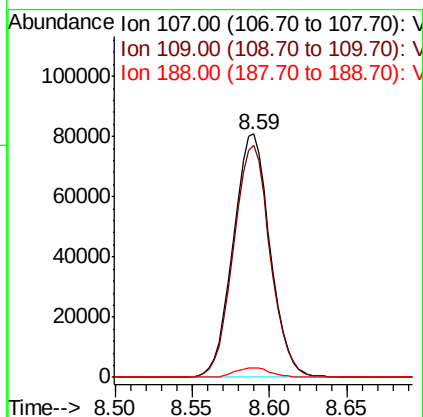
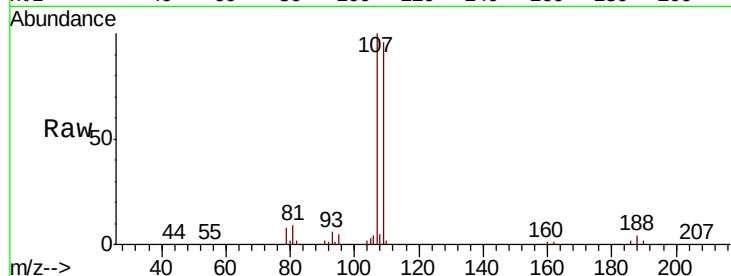




#50
 1,2-Dibromoethane
 Concen: 53.171 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

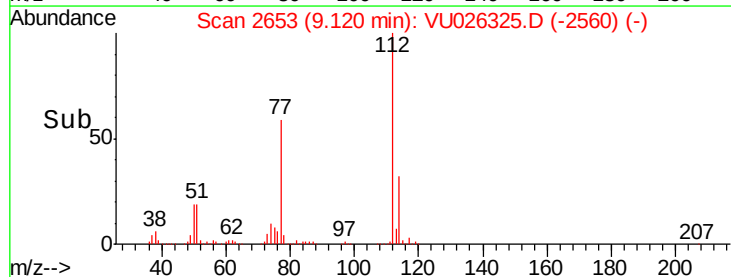
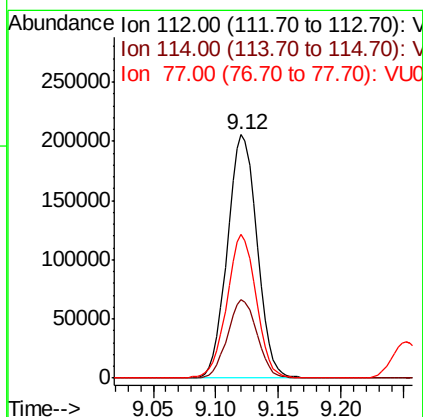
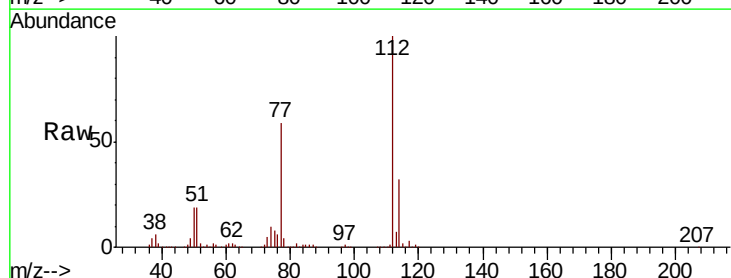
Instrument :
 MSVOA_U
 ClientSampleId :

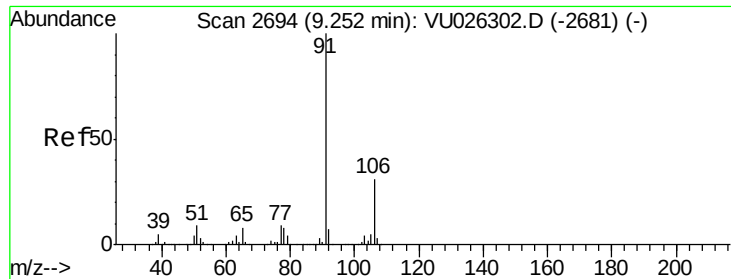
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	65.2	121.0
188	3.9	3.4	5.2



#51
 Chlorobenzene
 Concen: 52.658 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	59.1	45.4	68.2





#52

Ethylbenzene

Concen: 55.168 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

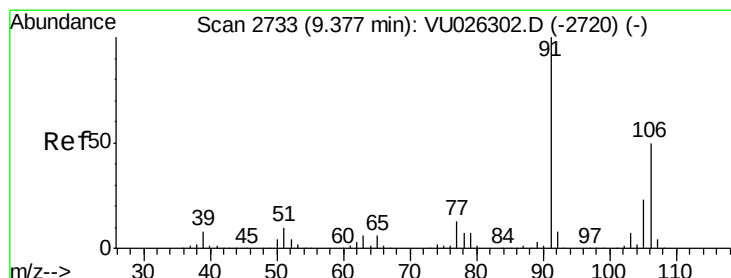
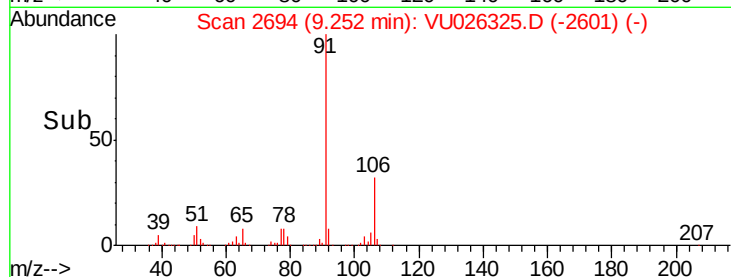
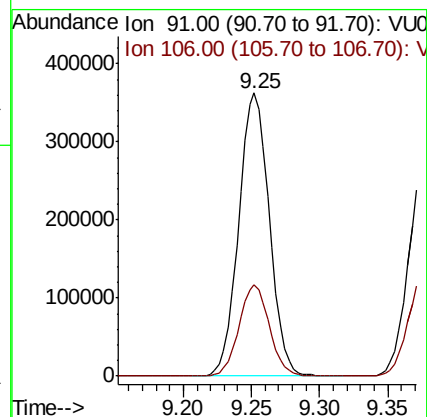
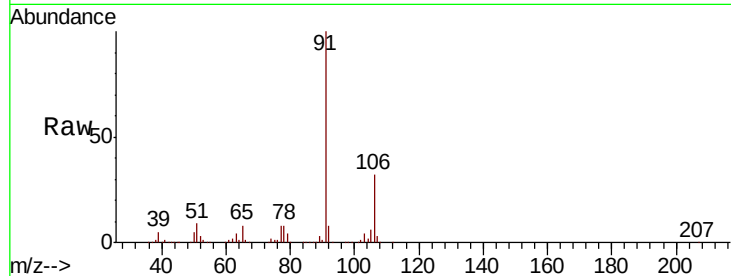
ClientSampled :

Tot Ion: 91 Resp: 564474

Ion Ratio Lower Upper

91 100

106 32.1 22.3 41.5



#53

m,p-Xylene

Concen: 56.312 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026325.D

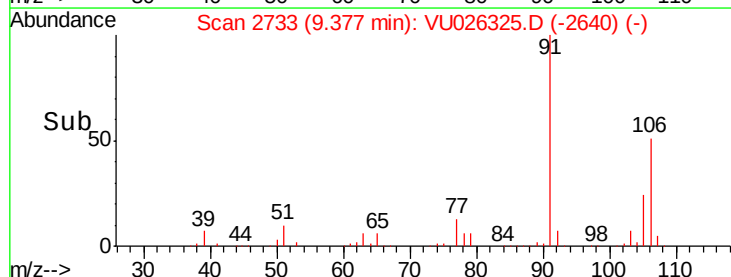
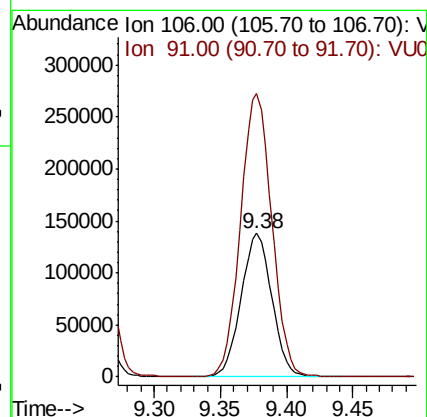
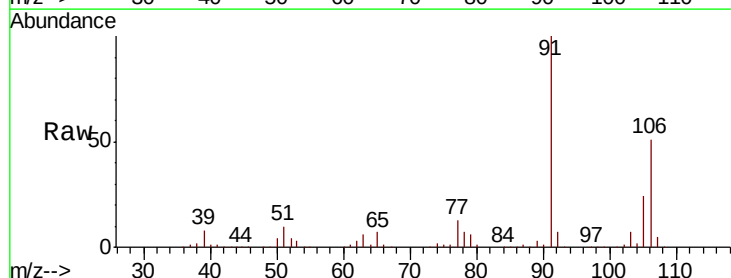
Acq: 24 Aug 2018 02:01

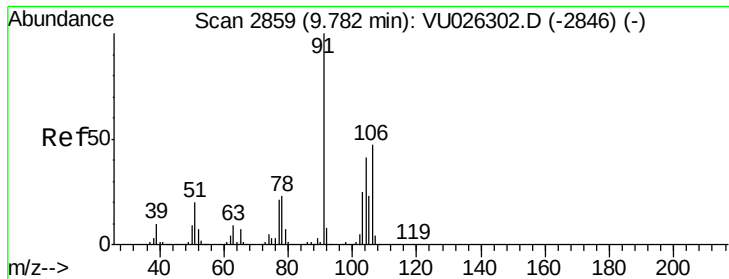
Tgt Ion: 106 Resp: 222699

Ion Ratio Lower Upper

106 100

91 197.3 136.6 253.8





#54

o-xylene

Concen: 55.794 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

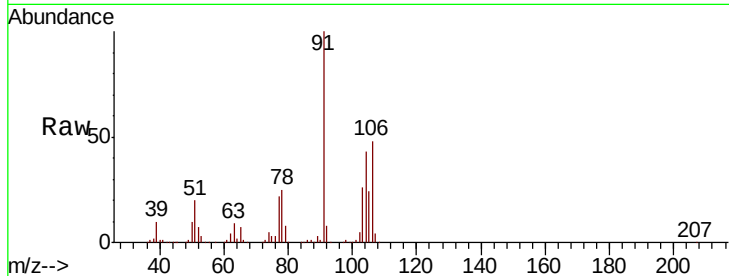
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 215225

Ion Ratio Lower Upper

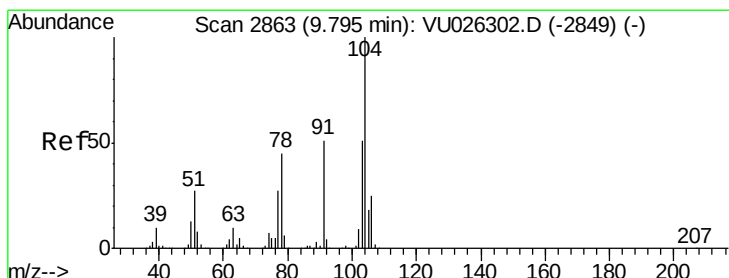
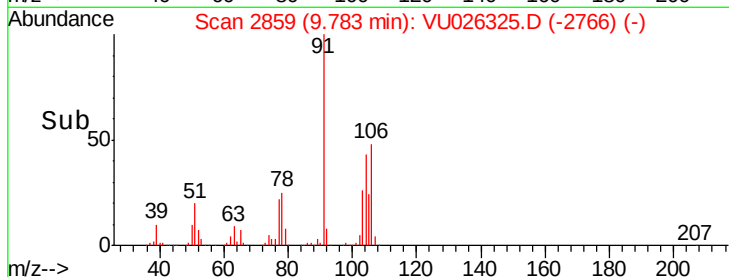
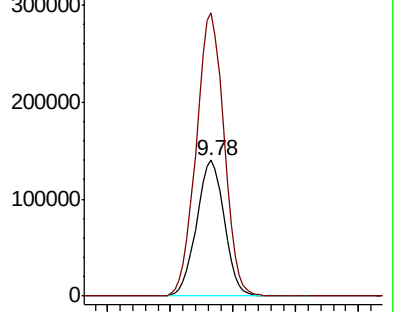
106 100

91 208.6 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 57.544 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026325.D

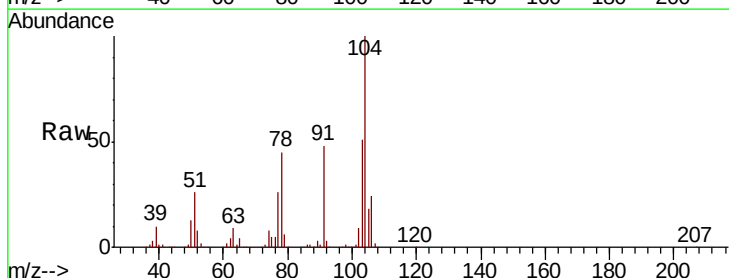
Acq: 24 Aug 2018 02:01

Tgt Ion:104 Resp: 378903

Ion Ratio Lower Upper

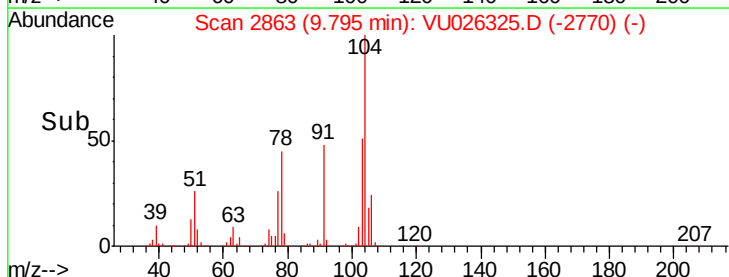
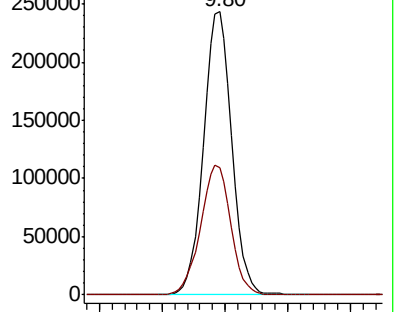
104 100

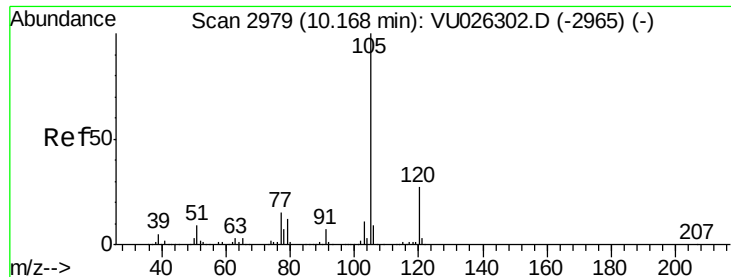
78 44.9 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 55.423 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

ClientSampleId :

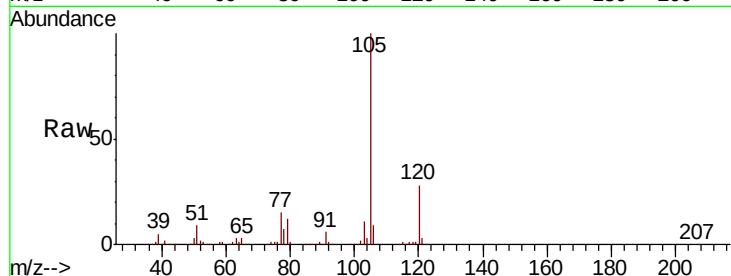
Tot Ion:105 Resp: 554620

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

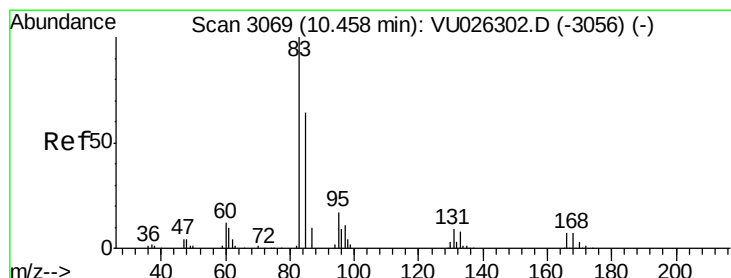
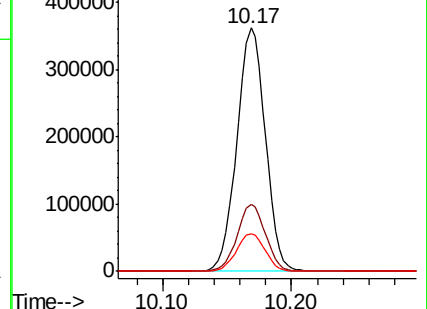
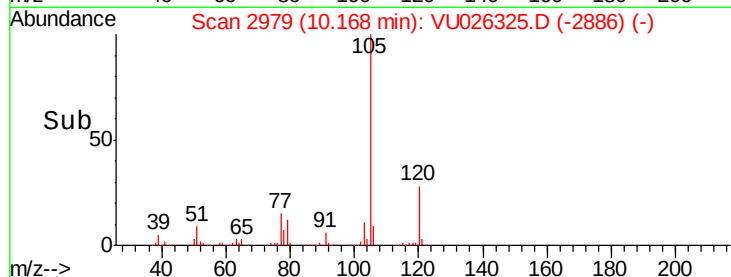
77 15.6 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.313 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

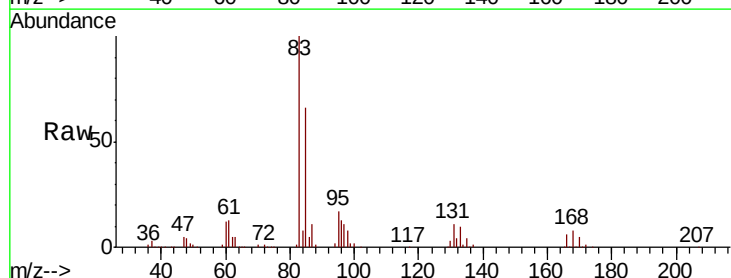
Tgt Ion: 83 Resp: 201804

Ion Ratio Lower Upper

83 100

85 65.9 44.9 83.3

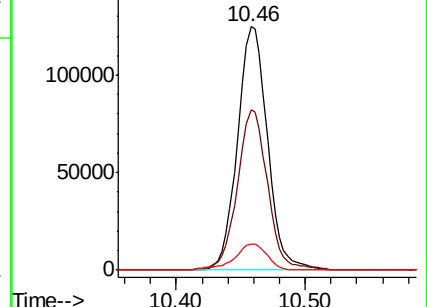
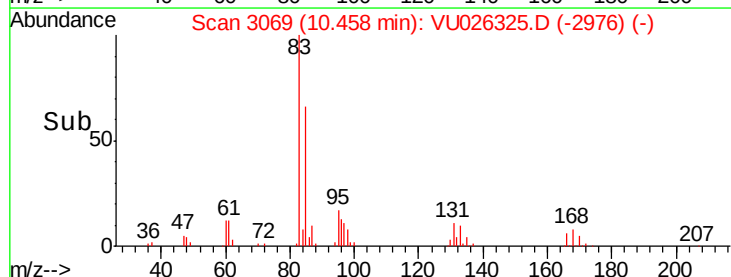
131 10.8 8.2 12.2

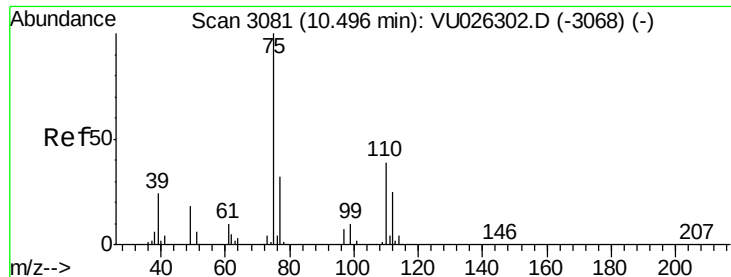


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

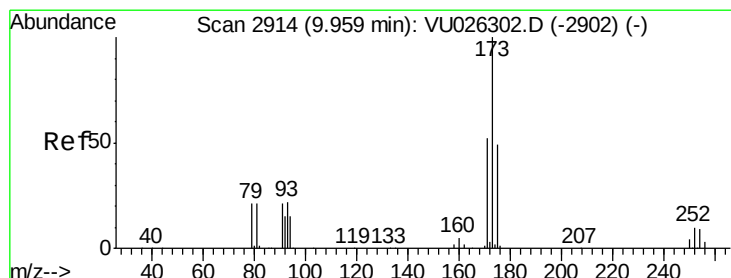
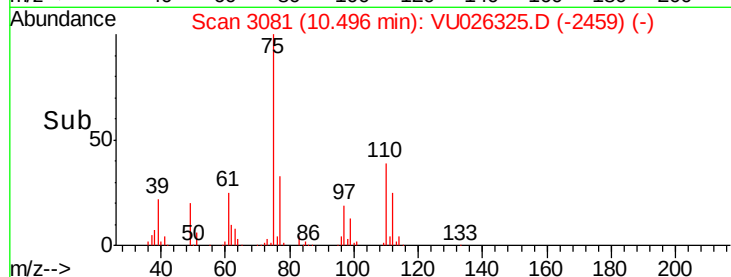
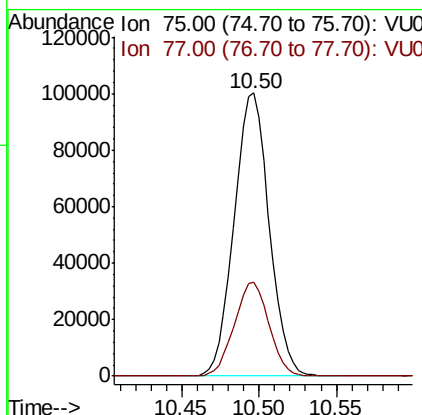
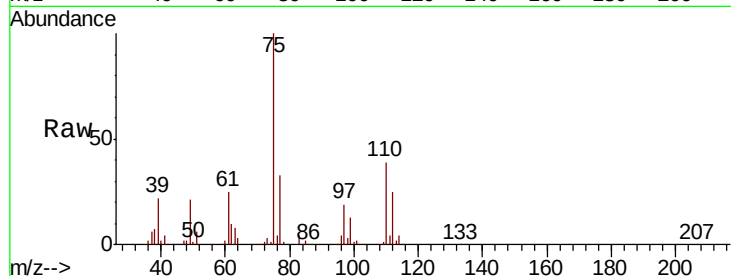




#59
 1,2,3-Trichloropropane
 Concen: 52.443 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

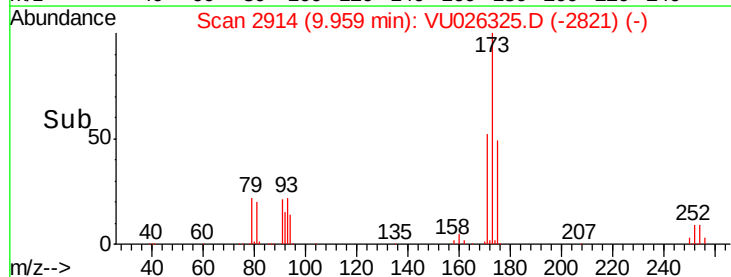
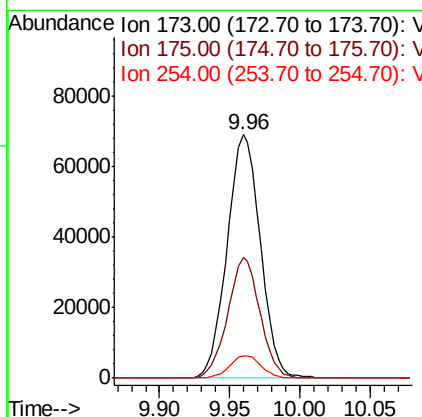
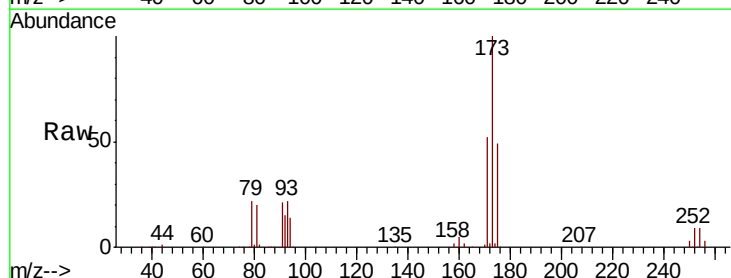
Instrument :
 MSVOA_U
 ClientSampled :

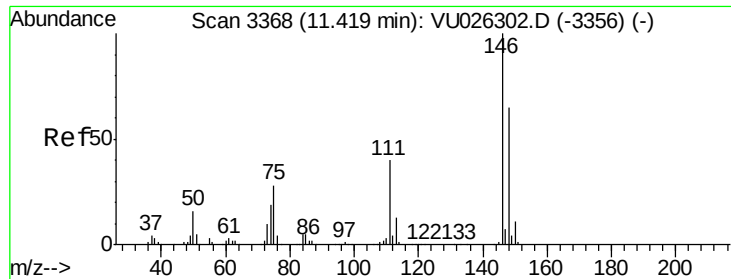
Tot Ion: 75 Resp: 157747
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.5 38.3



#61
 Bromoform
 Concen: 51.907 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Tgt Ion: 173 Resp: 114114
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.4 59.2
 254 8.7 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 53.453 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

ClientSampleId :

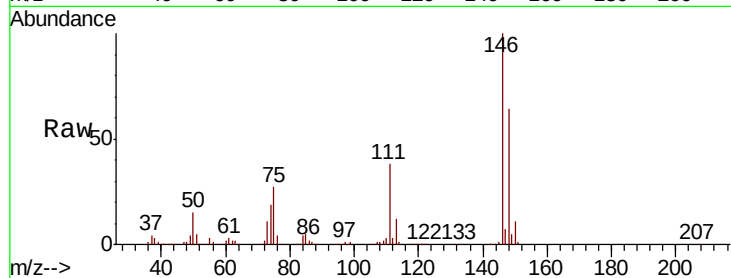
Tot Ion:146 Resp: 279635

Ion Ratio Lower Upper

146 100

111 37.9 26.9 50.1

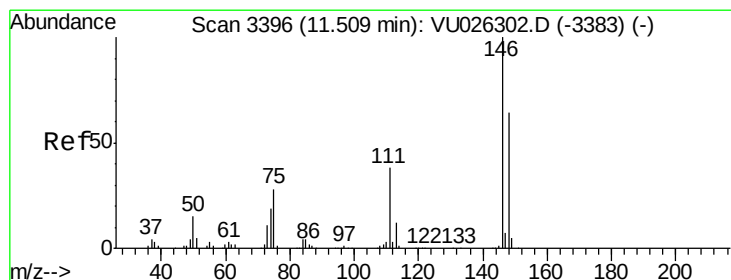
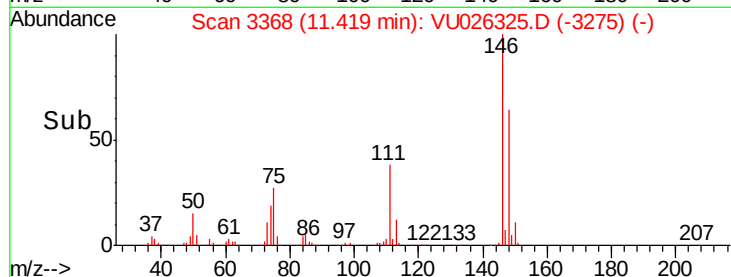
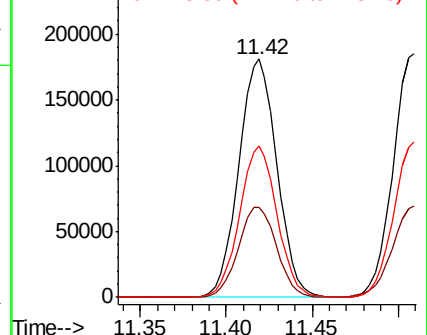
148 63.6 43.7 81.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.831 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

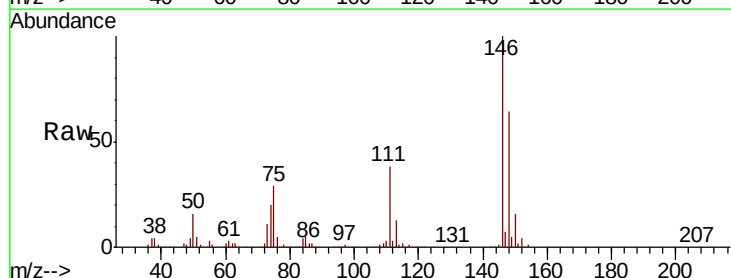
Tgt Ion:146 Resp: 292028

Ion Ratio Lower Upper

146 100

111 37.6 25.9 48.1

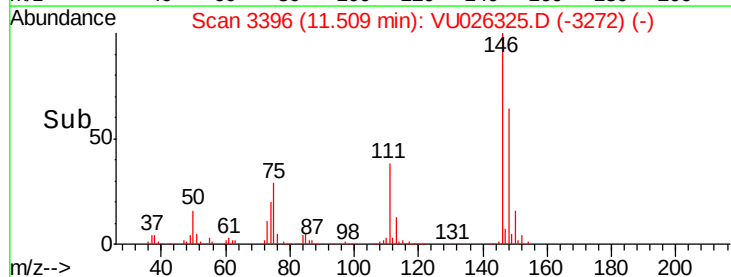
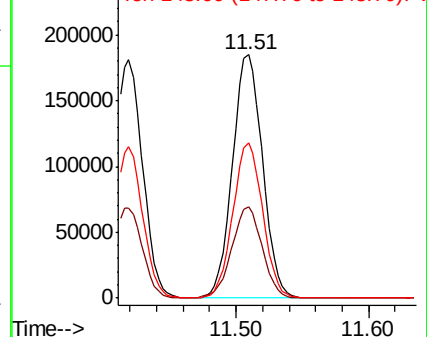
148 63.6 44.5 82.7

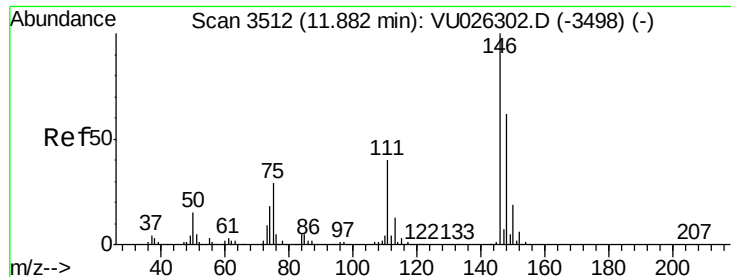


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

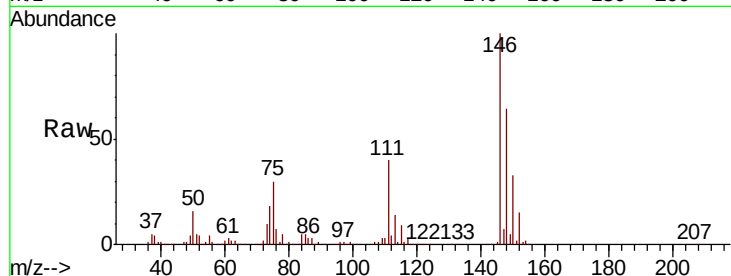




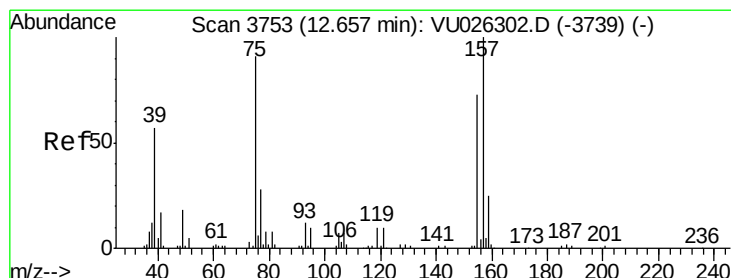
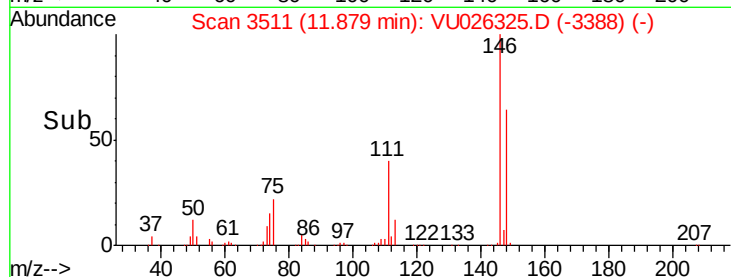
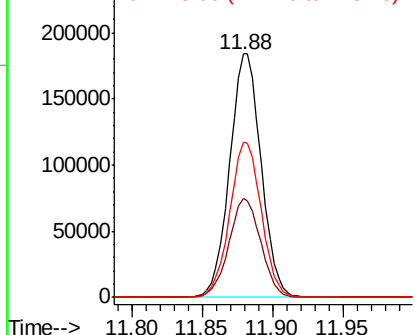
#65
 1,2-Dichlorobenzene
 Concen: 52.147 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.6	48.8
148	63.7	51.0	76.4

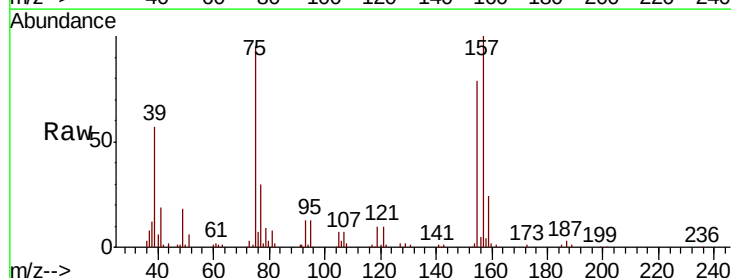


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

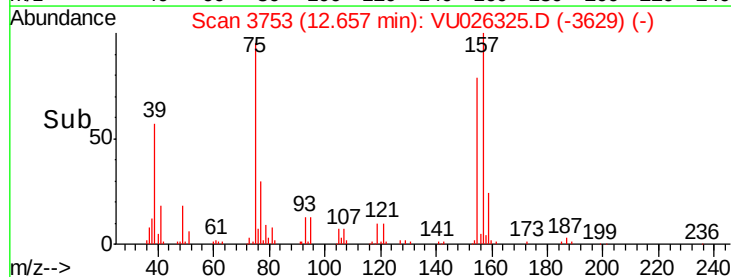
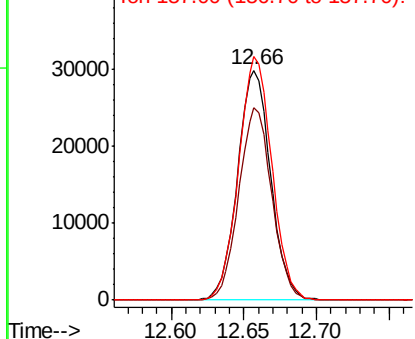


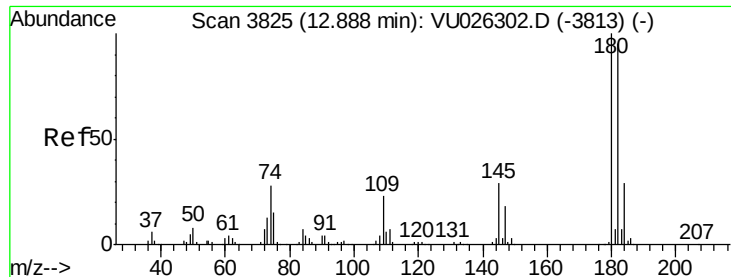
#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.611 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	65.0	97.6
157	105.8	87.5	131.3



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

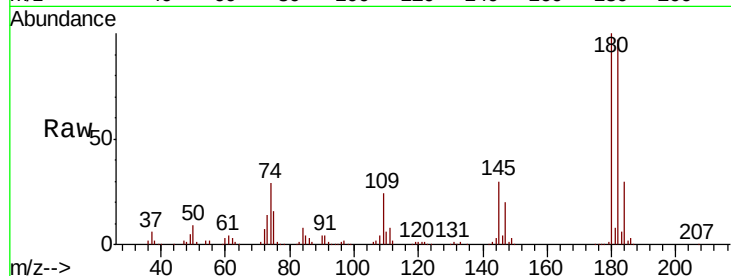




#67
 1,3,5-Trichlorobenzene
 Concen: 51.507 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.9	116.9
184	30.7	24.2	36.4
145	29.9	23.4	35.2



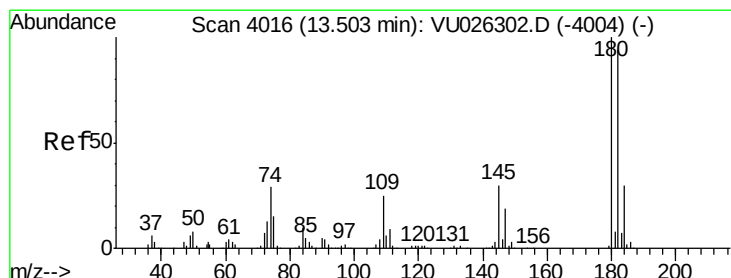
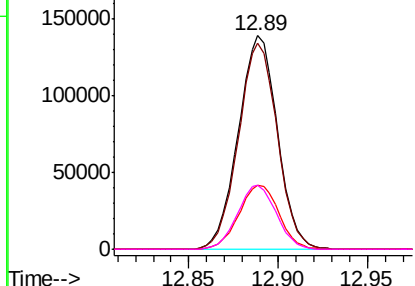
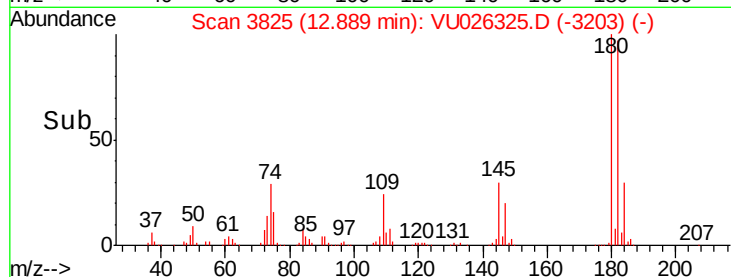
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

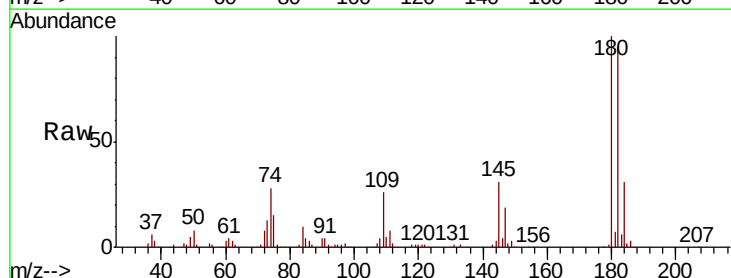
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.923 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. 0.00 min
 Lab File: VU026325.D
 Acq: 24 Aug 2018 02:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.6
145	30.4	23.8	35.8

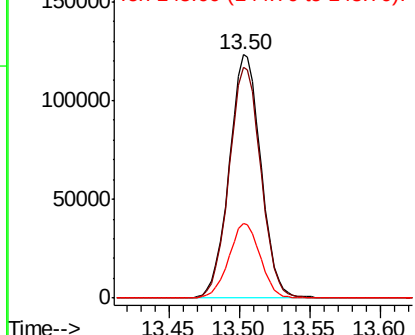
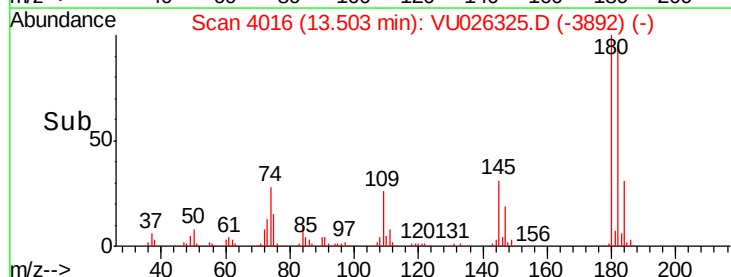


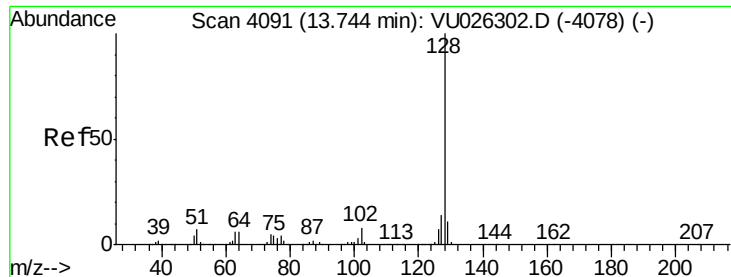
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 57.336 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

Instrument :

MSVOA_U

ClientSampled :

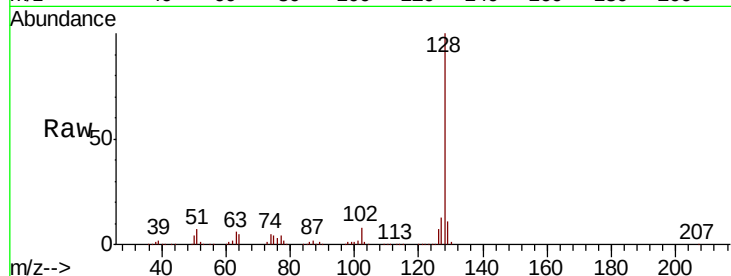
Tot Ion:128 Resp: 612309

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

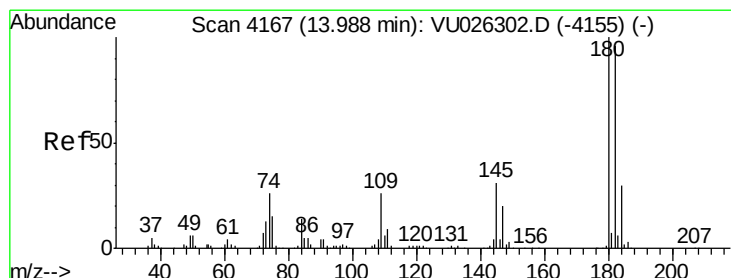
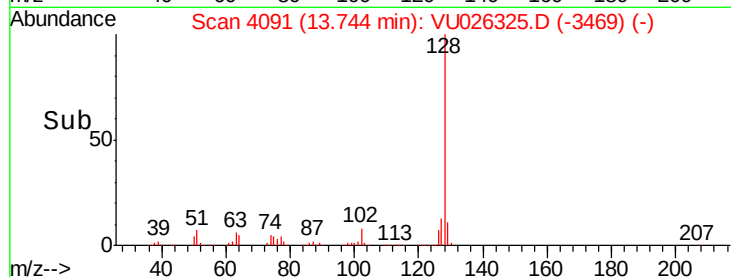
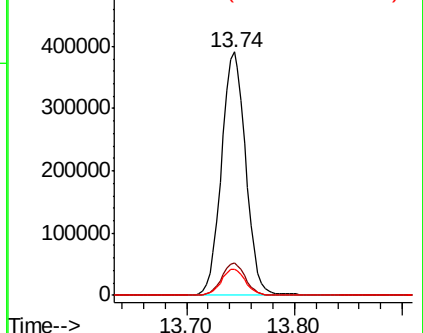
129 10.7 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.911 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026325.D

Acq: 24 Aug 2018 02:01

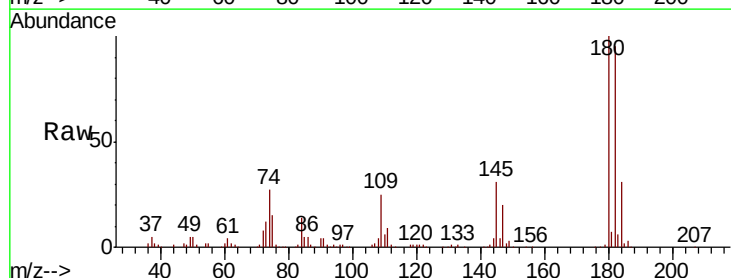
Tgt Ion:180 Resp: 205902

Ion Ratio Lower Upper

180 100

182 95.7 77.6 116.4

145 31.0 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

