

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026185.D
 Acq On : 17 Aug 2018 17:47
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 18 01:25:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 18 01:24:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	144720	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	140099	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	73558	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	40529	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.68	69	31551	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.28	63	80211	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	4.20	46	113174	51.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.72%
24) Chloroform-d	4.65	84	82743	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.32	65	48768	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.34	84	170473	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.34	67	54212	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.57	98	165771	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.85	79	21901	5.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.60%
46) 2-Hexanone-d5	8.32	63	93107	53.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.70%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	43606	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	65597	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	65465	4.996 ug/L	98
3) Chloromethane	1.33	50	62077	5.034 ug/L	98
5) Vinyl chloride	1.41	62	59538	5.003 ug/L	98
6) Bromomethane	1.63	94	33959	5.216 ug/L	97
8) Chloroethane	1.70	64	33685	4.967 ug/L	95
9) Trichlorofluoromethane	1.89	101	84240	4.965 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	46172	5.058 ug/L	97
12) 1,1-Dichloroethene	2.29	96	41765	4.965 ug/L	95
13) Acetone	2.32	43	67489	46.697 ug/L	96
14) Carbon disulfide	2.48	76	148550	4.988 ug/L	100
15) Methyl Acetate	2.62	43	20018	5.137 ug/L	100
16) Methylene chloride	2.70	84	46286	4.641 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	104332	5.053 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	46406	5.005 ug/L	93
19) 1,1-Dichloroethane	3.45	63	86926	4.997 ug/L	97
21) 2-Butanone	4.28	43	129961	51.235 ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	57551	5.004 ug/L	97

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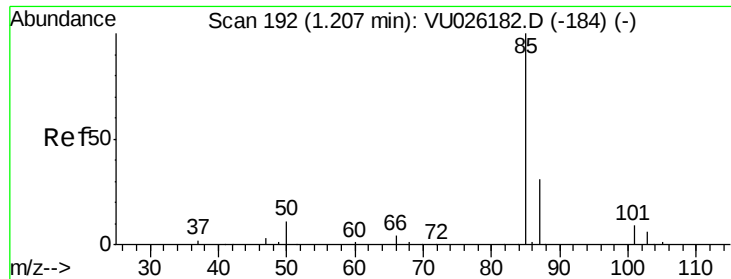
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	25362	4.883	ug/L	95
25) Chloroform	4.68	83	110905	5.234	ug/L	99
27) 1,2-Dichloroethane	5.41	62	63789	5.068	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	90154	4.968	ug/L	100
30) Cyclohexane	5.00	56	80056	5.183	ug/L	98
31) Carbon tetrachloride	5.14	117	82523	4.999	ug/L	97
33) Benzene	5.39	78	210055	5.165	ug/L	100
34) Trichloroethene	6.19	95	55775	5.093	ug/L	99
35) Methylcyclohexane	6.42	83	84554	5.210	ug/L	98
37) 1,2-Dichloropropane	6.44	63	54134	4.948	ug/L #	93
38) Bromodichloromethane	6.76	83	71505	5.157	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	75533	5.278	ug/L	96
40) 4-Methyl-2-pentanone	7.47	43	309115	52.599	ug/L	99
42) Toluene	7.64	91	226000	5.266	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	63294	5.133	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	36985	4.935	ug/L	96
47) Tetrachloroethene	8.23	164	48259	5.037	ug/L	98
48) 2-Hexanone	8.37	43	228783	55.776	ug/L	98
49) Dibromochloromethane	8.48	129	50386	5.124	ug/L	95
50) 1,2-Dibromoethane	8.59	107	36117	5.066	ug/L #	100
51) Chlorobenzene	9.12	112	147454	5.123	ug/L	99
52) Ethylbenzene	9.25	91	234359	5.182	ug/L	98
53) m,p-xylene	9.38	106	93336	5.371	ug/L	100
54) o-xylene	9.78	106	87290	5.249	ug/L	99
55) Styrene	9.80	104	154456	5.456	ug/L	100
56) Isopropylbenzene	10.17	105	234093	5.322	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	48311	5.257	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	33471	5.065	ug/L	91
61) Bromoform	9.96	173	28921	5.136	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	116684	5.063	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	121838	5.014	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	114278	5.004	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	7559	4.806	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	94821	5.285	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	75266	5.418	ug/L	100
69) Naphthalene	13.75	128	121709	5.876	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	75815	5.724	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.996 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU026185.D

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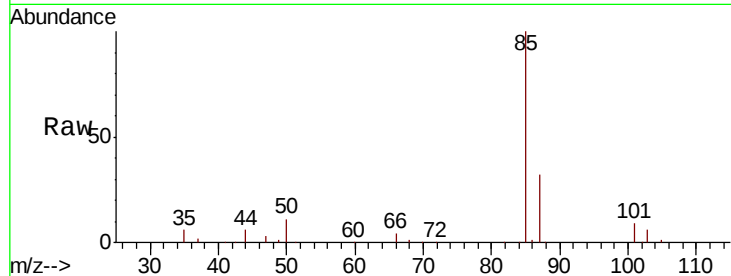
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 65465

Ion Ratio Lower Upper

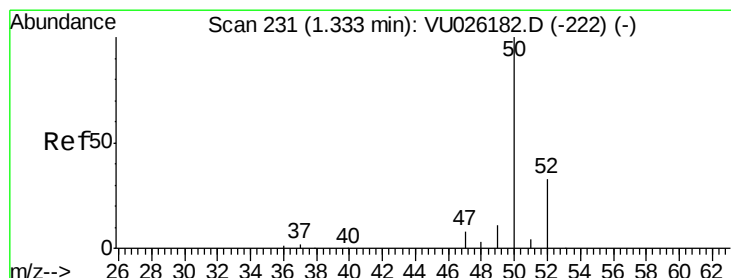
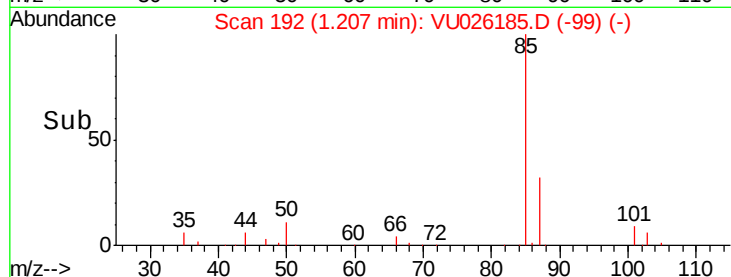
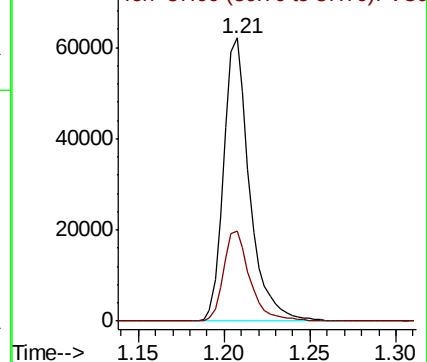
85 100

87 32.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.034 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU026185.D

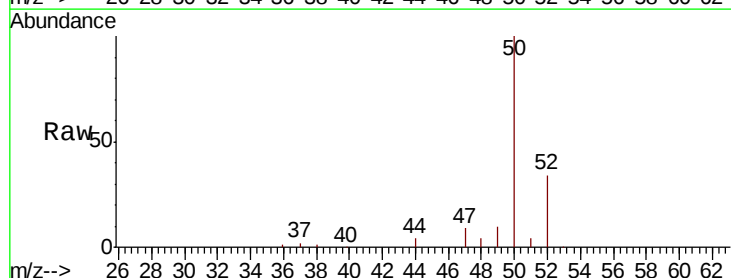
Acq: 17 Aug 2018 17:47

Tgt Ion: 50 Resp: 62077

Ion Ratio Lower Upper

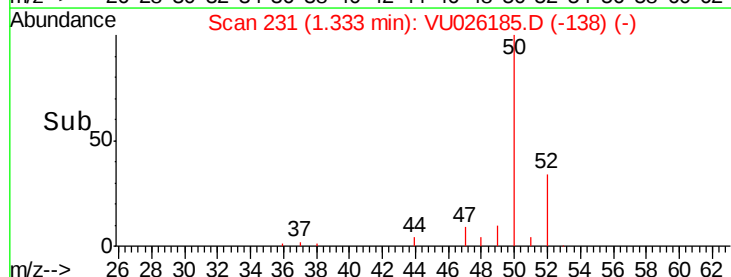
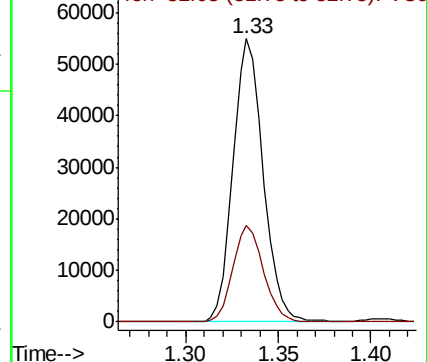
50 100

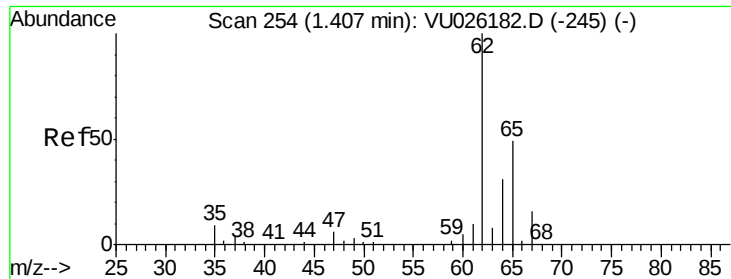
52 34.1 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.003 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

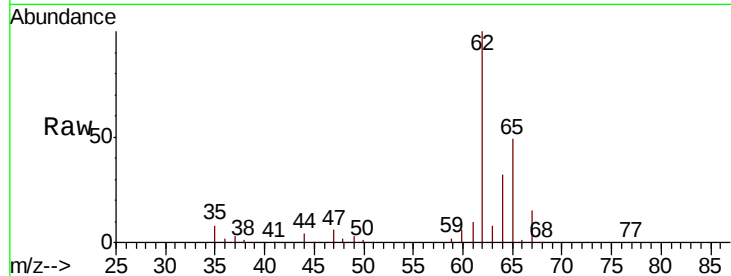
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 59538

Ion Ratio Lower Upper

62 100

64 32.4 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

60000

50000

40000

30000

20000

10000

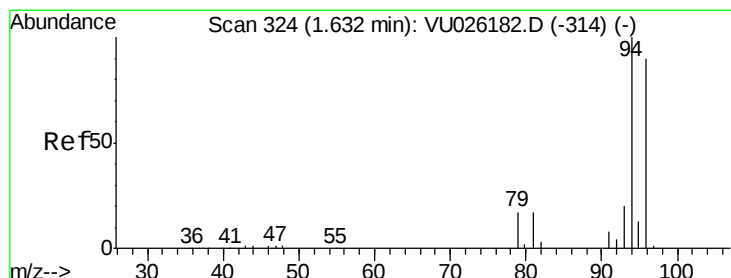
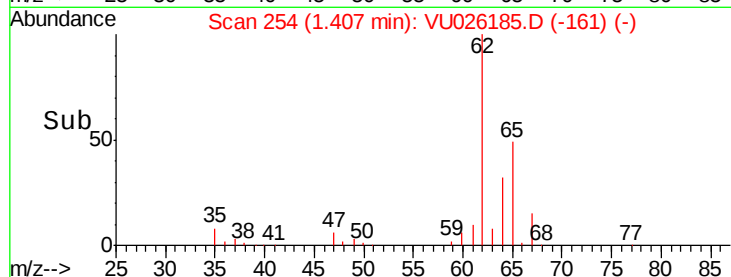
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 5.216 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026185.D

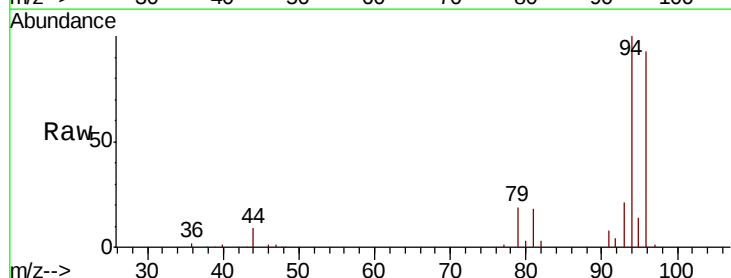
Acq: 17 Aug 2018 17:47

Tgt Ion: 94 Resp: 33959

Ion Ratio Lower Upper

94 100

96 93.0 63.1 117.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

30000

25000

20000

15000

10000

5000

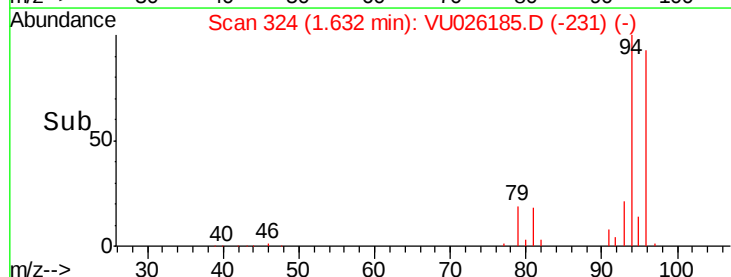
0

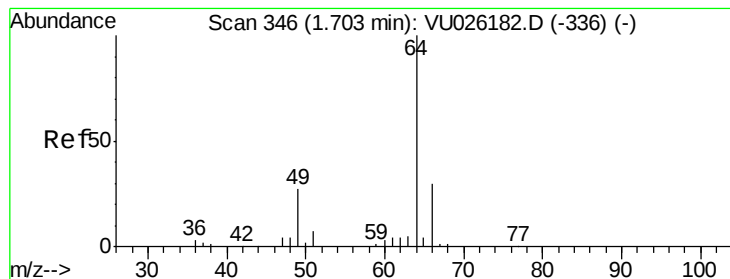
1.60

1.65

1.70

Time-->





#8

Chloroethane

Concen: 4.967 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

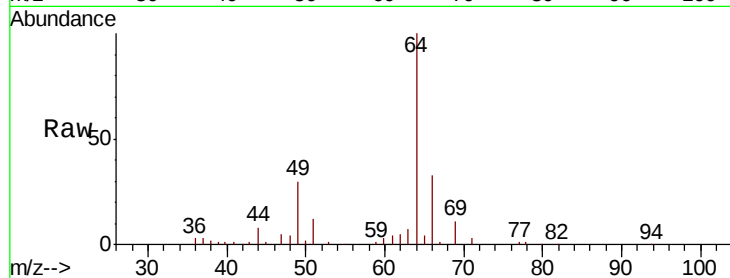
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 33685

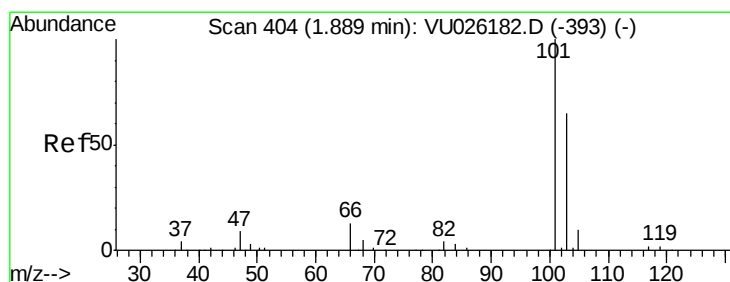
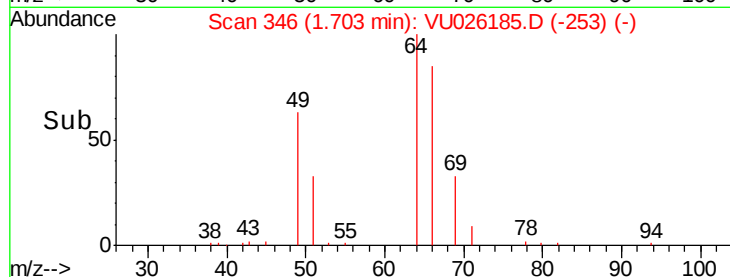
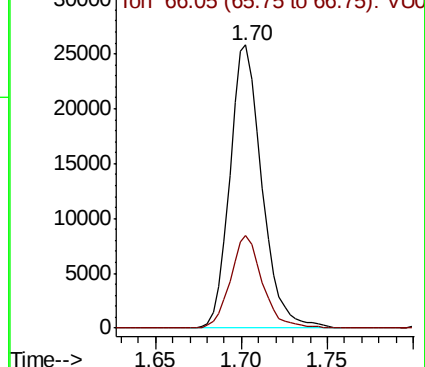
Ion Ratio Lower Upper

64 100

66 32.6 21.1 39.1



Abundance Ion 64.10 (63.80 to 64.80): VU026185.D (-253) (-)



#9

Trichlorofluoromethane

Concen: 4.965 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026185.D

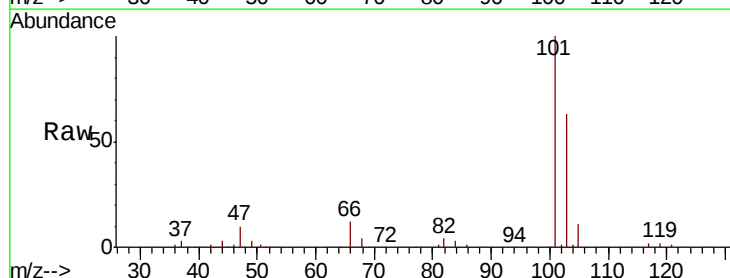
Acq: 17 Aug 2018 17:47

Tgt Ion:101 Resp: 84240

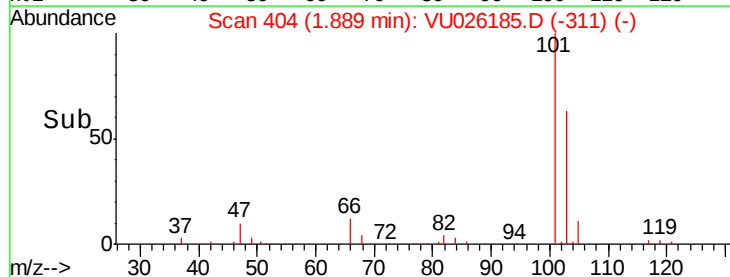
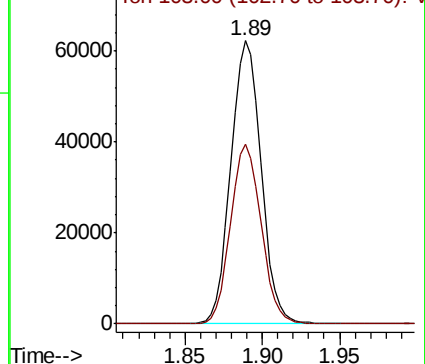
Ion Ratio Lower Upper

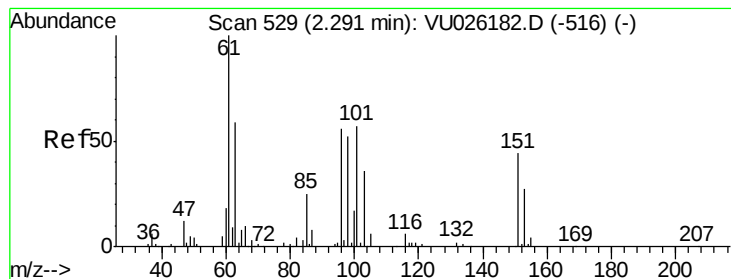
101 100

103 64.2 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU026185.D (-311) (-)





#10

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

Concen: 5.058 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

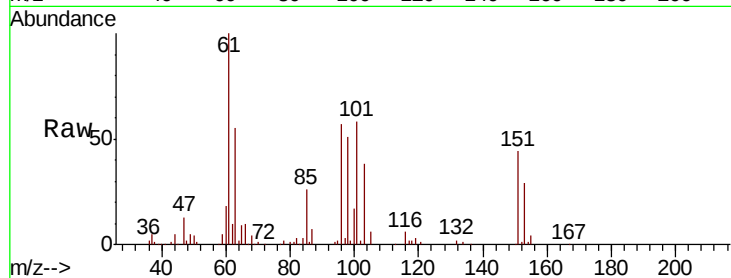
Tot Ion:101 Resp: 46172

Ion Ratio Lower Upper

101 100

85 43.9 36.6 54.8

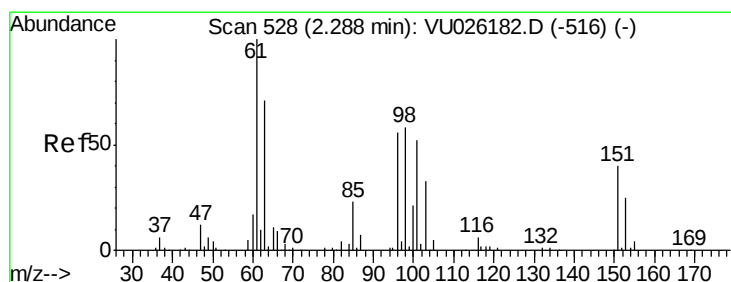
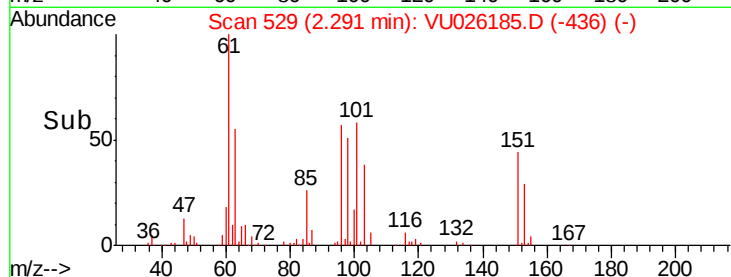
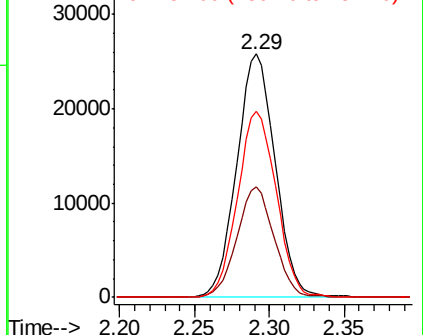
151 76.6 63.4 95.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.965 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

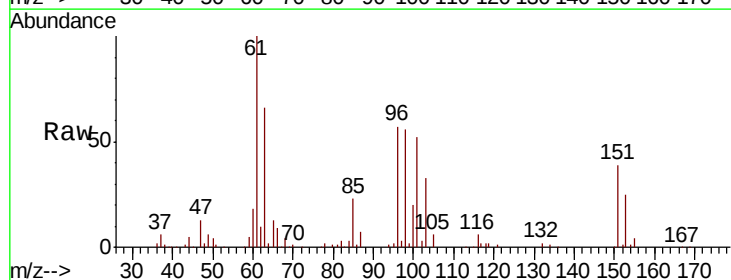
Tgt Ion: 96 Resp: 41765

Ion Ratio Lower Upper

96 100

61 176.9 125.3 232.7

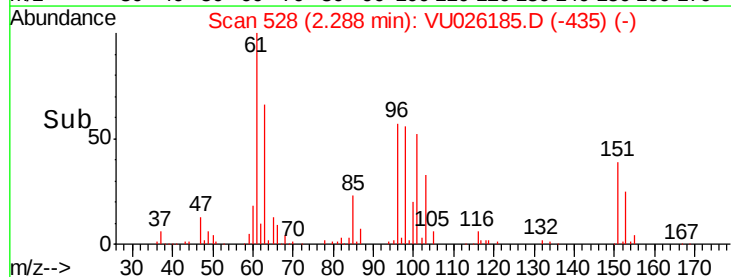
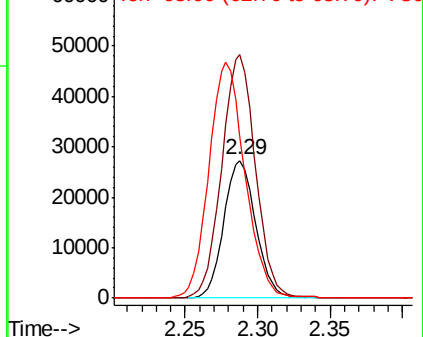
63 117.1 90.9 168.9

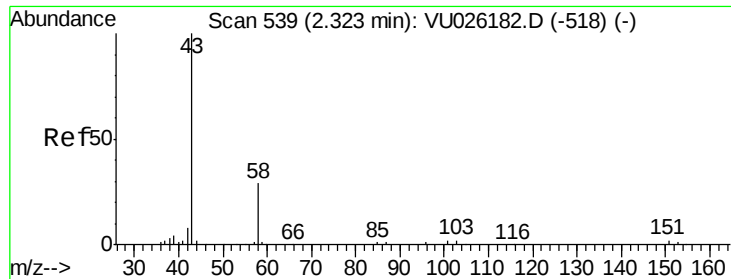


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.697 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :

MSVOA_U

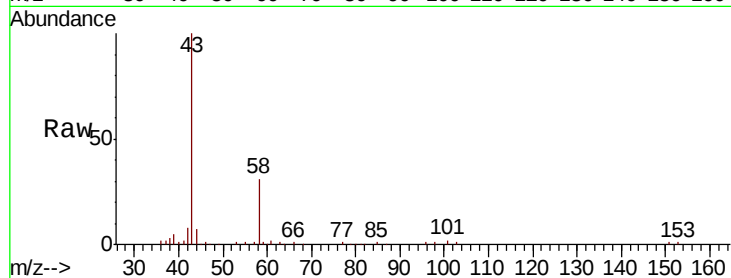
ClientSampleId :

Tot Ion: 43 Resp: 67489

Ion Ratio Lower Upper

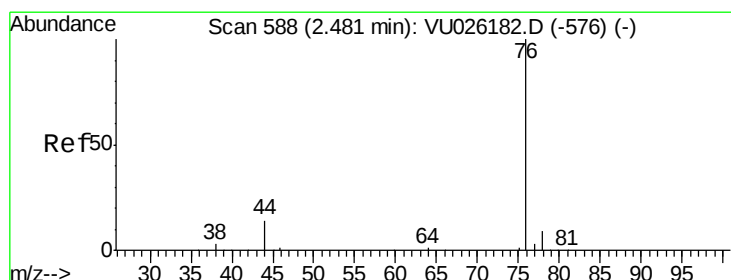
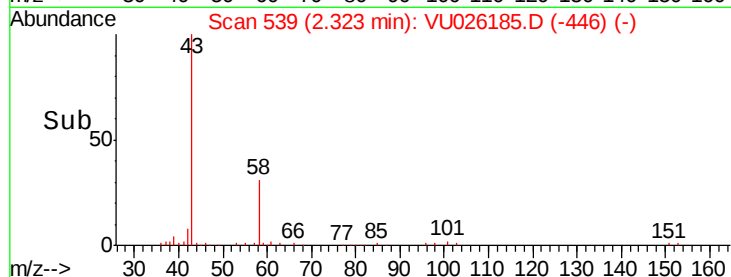
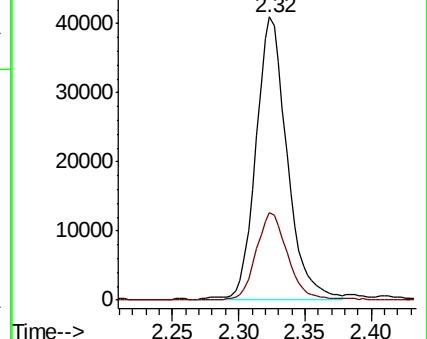
43 100

58 31.7 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.988 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU026185.D

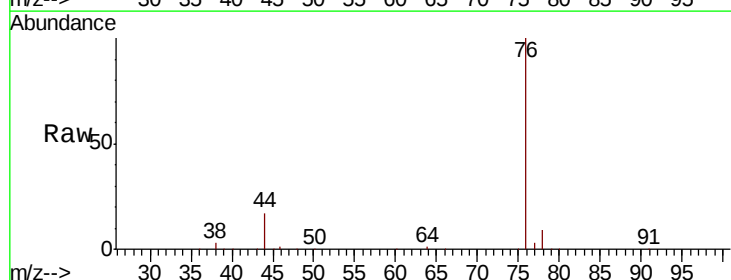
Acq: 17 Aug 2018 17:47

Tgt Ion: 76 Resp: 148550

Ion Ratio Lower Upper

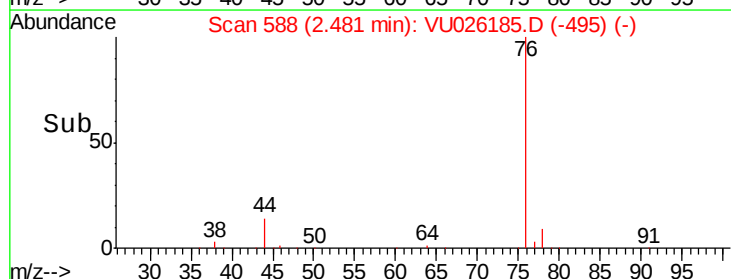
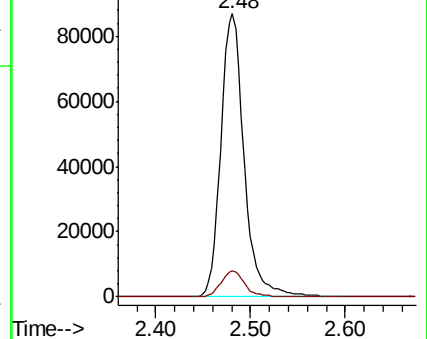
76 100

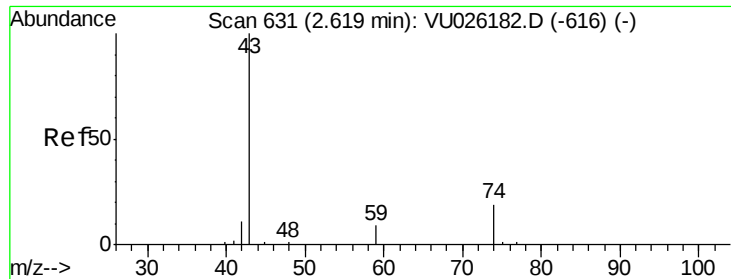
78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 5.137 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :

MSVOA_U

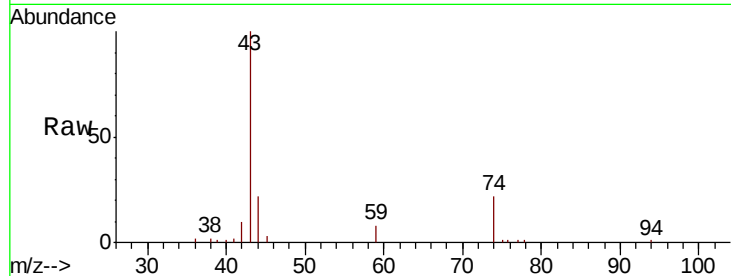
ClientSampleId :

Tot Ion: 43 Resp: 20018

Ion Ratio Lower Upper

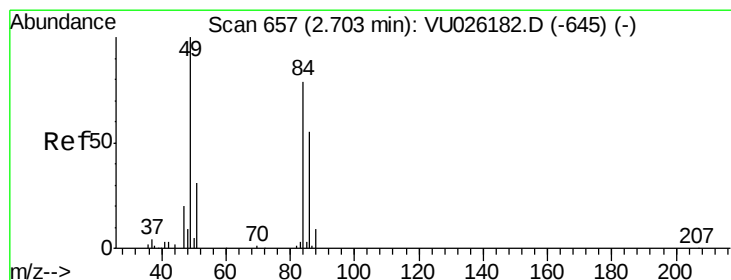
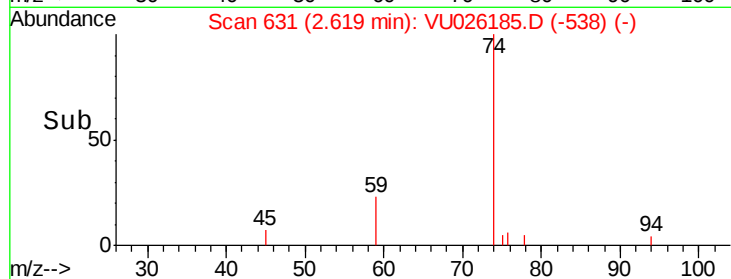
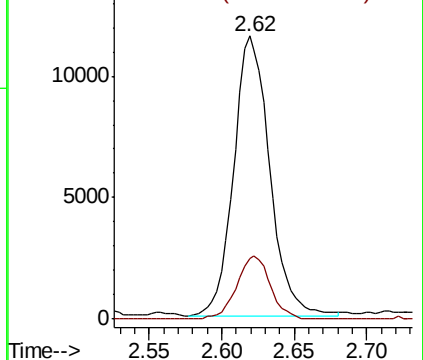
43 100

74 20.8 16.6 24.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.641 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

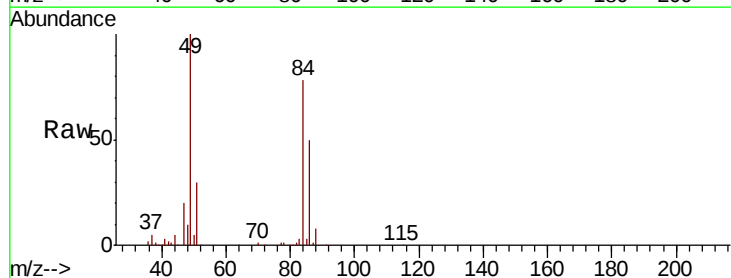
Tgt Ion: 84 Resp: 46286

Ion Ratio Lower Upper

84 100

86 64.2 48.6 90.2

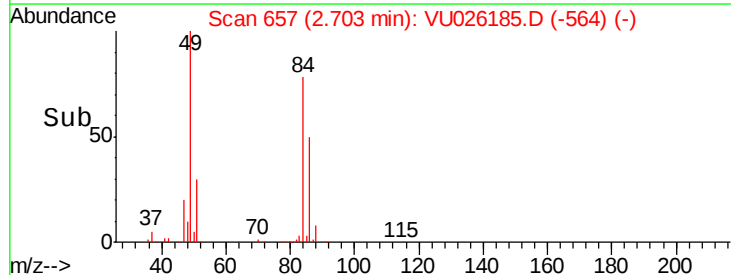
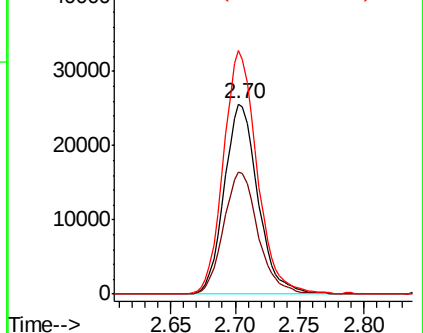
49 128.2 89.0 165.4

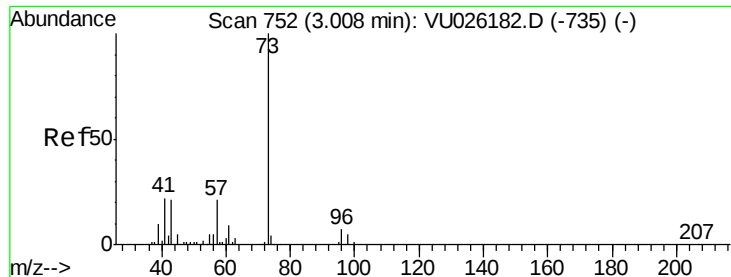


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

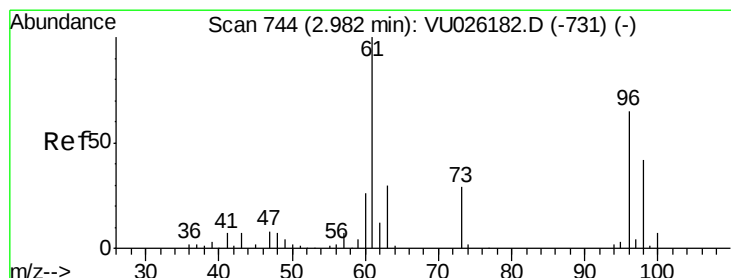
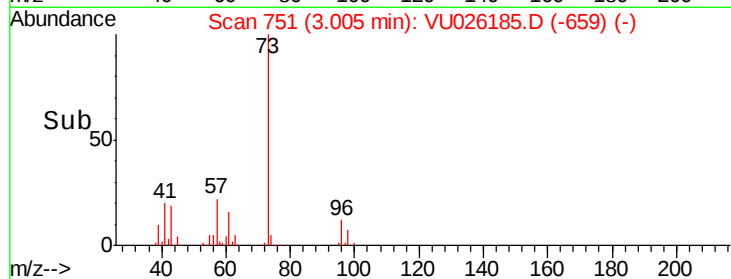
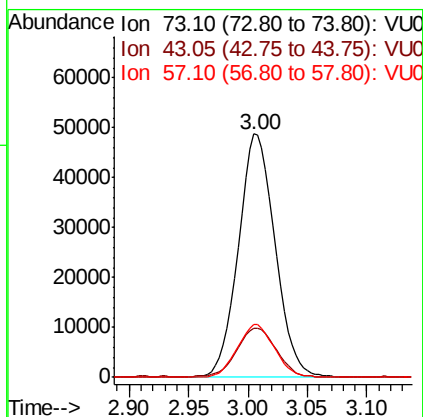
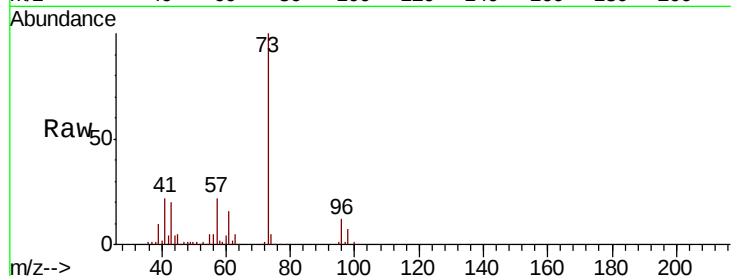




#17
Methvl tert-butvl Ether
Concen: 5.053 ug/L
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026185.D
Acq: 17 Aug 2018 17:47

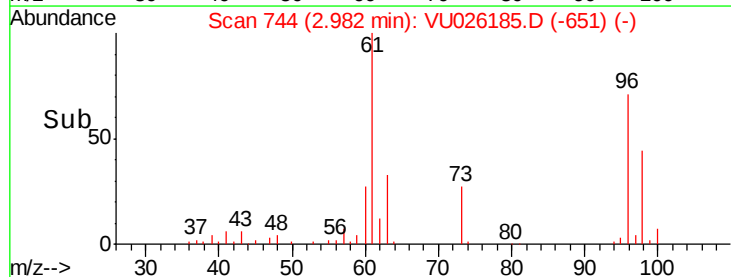
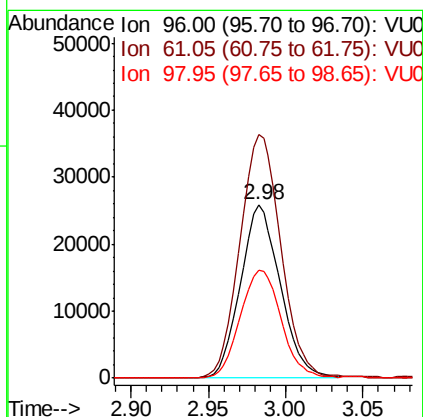
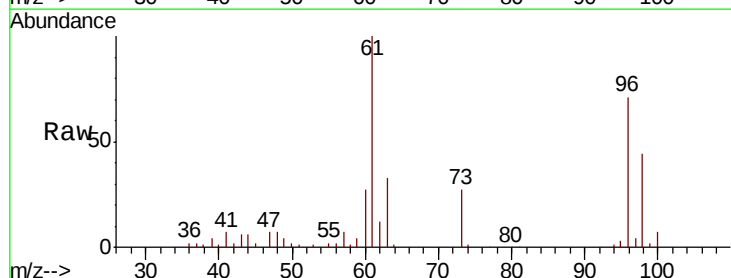
Instrument :
MSVOA_U
ClientSampleId :

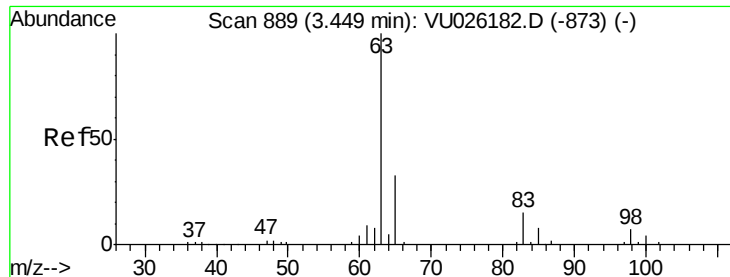
Tot Ion: 73 Resp: 104332
Ion Ratio Lower Upper
73 100
43 22.0 18.2 27.2
57 22.0 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 5.005 ug/L
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026185.D
Acq: 17 Aug 2018 17:47

Tgt Ion: 96 Resp: 46406
Ion Ratio Lower Upper
96 100
61 140.6 107.0 198.6
98 62.5 44.4 82.5

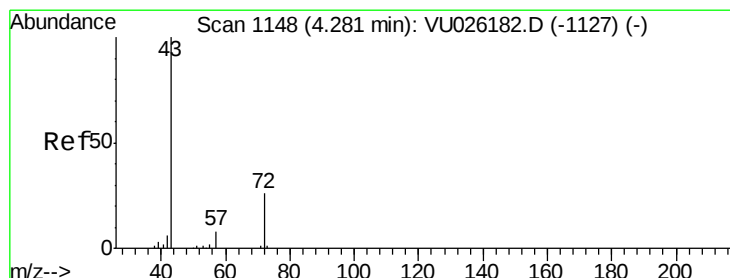
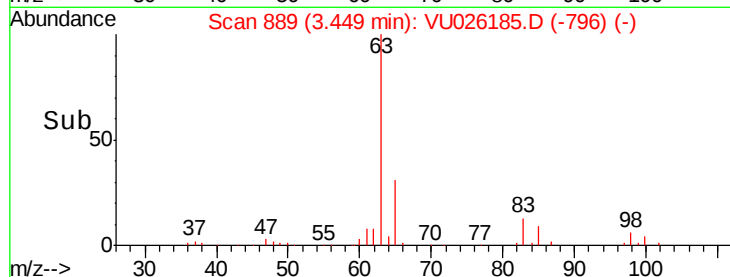
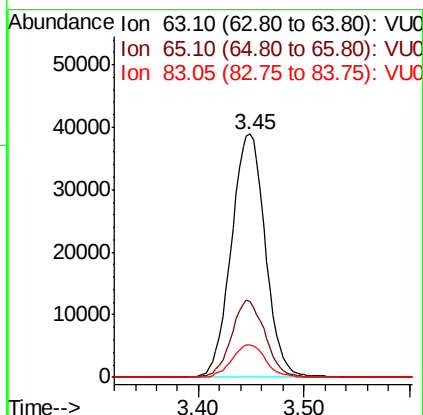
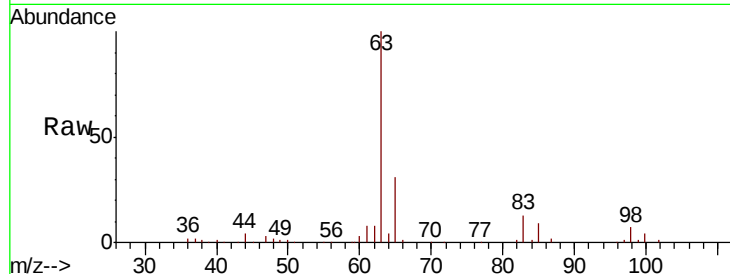




#19
 1,1-Dichloroethane
 Concen: 4.997 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

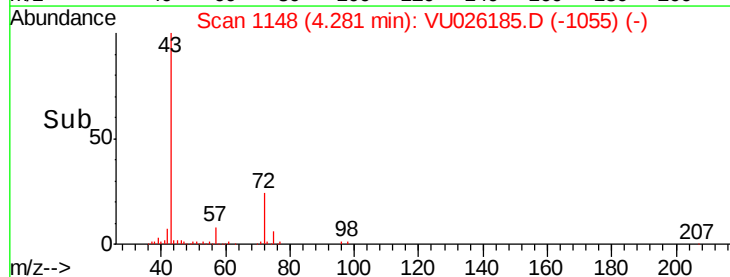
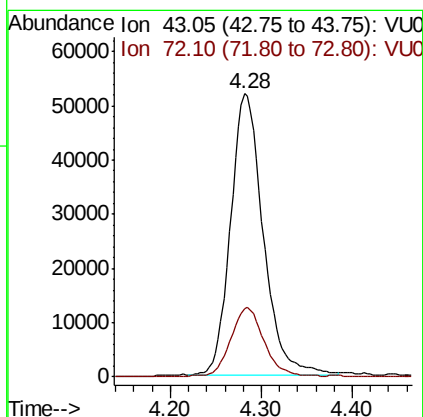
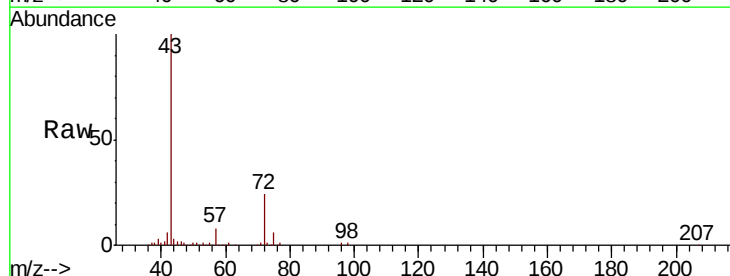
Instrument :
 MSVOA_U
 ClientSampleId :

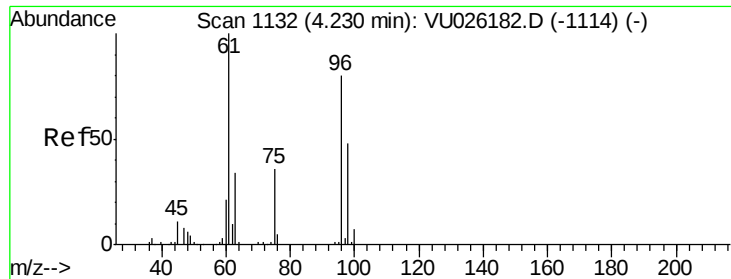
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.2	43.0
83	13.1	10.1	18.9



#21
 2-Butanone
 Concen: 51.235 ug/L
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.0	13.3	39.9





#22

cis-1,2-Dichloroethene

Concen: 5.004 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :
MSVOA_U
ClientSampleId :

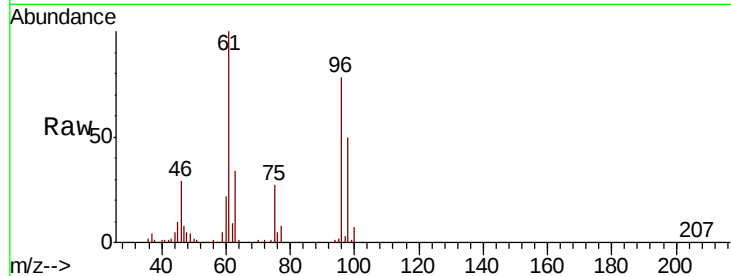
Tot Ion: 96 Resp: 57551

Ion Ratio Lower Upper

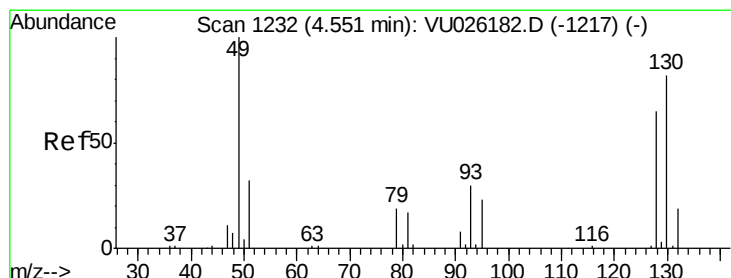
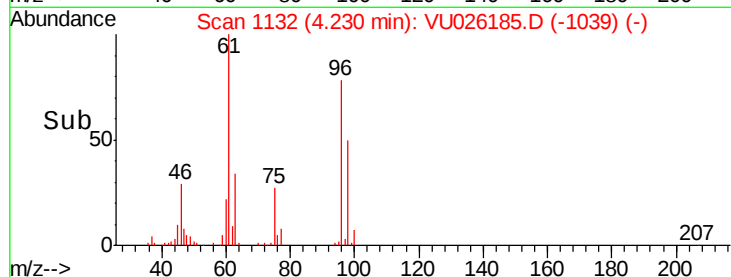
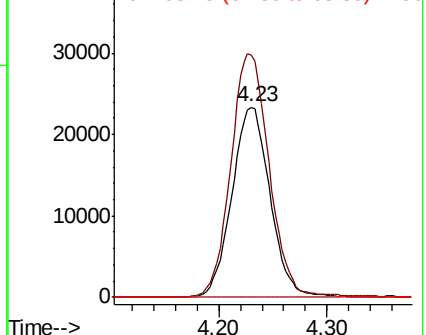
96 100

61 127.6 87.1 161.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.883 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Tgt Ion:128 Resp: 25362

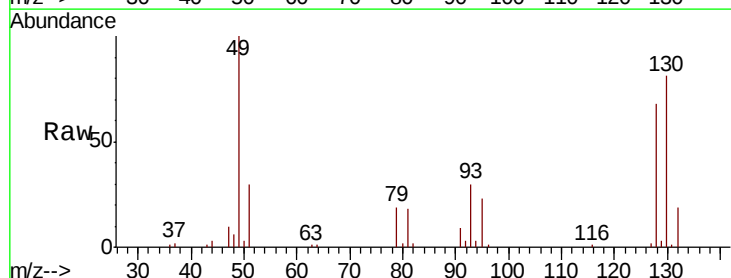
Ion Ratio Lower Upper

128 100

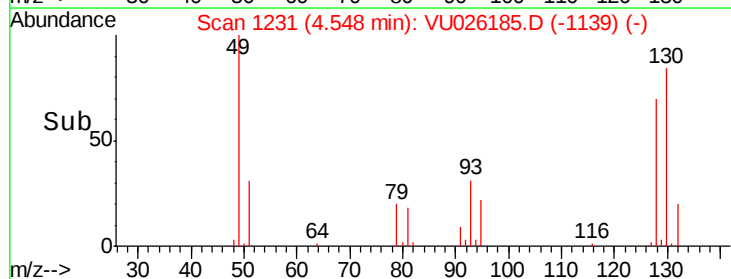
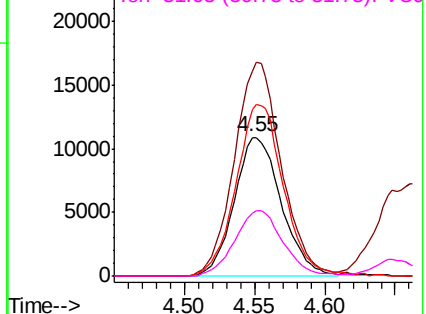
49 147.5 107.6 199.8

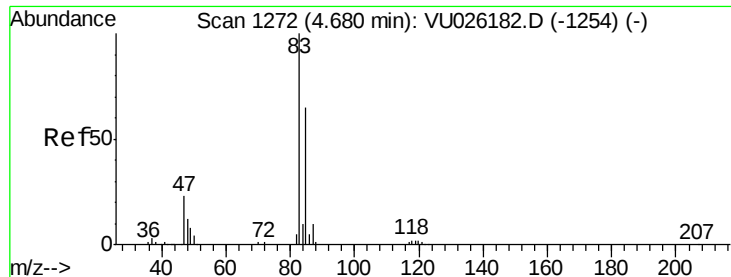
130 119.7 88.2 163.8

51 45.0 39.2 58.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

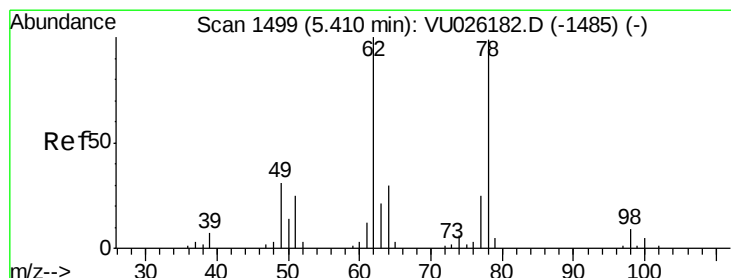
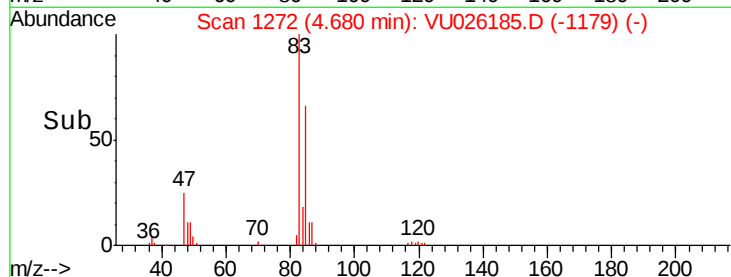
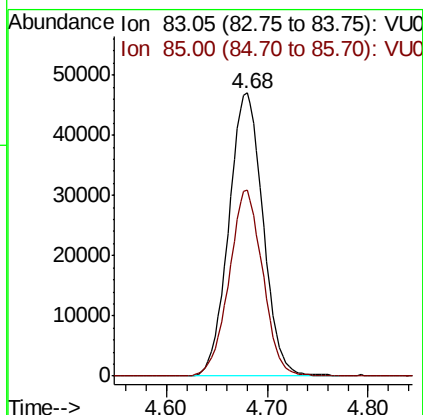
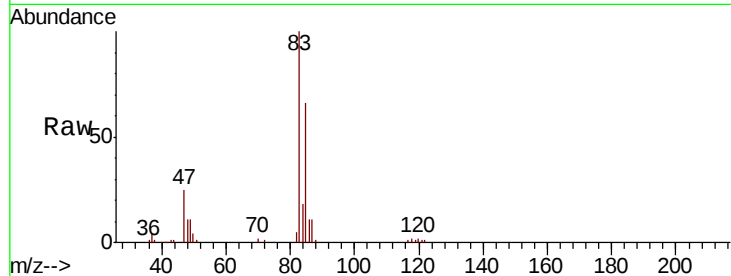




#25
Chloroform
Concen: 5.234 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU026185.D
Acq: 17 Aug 2018 17:47

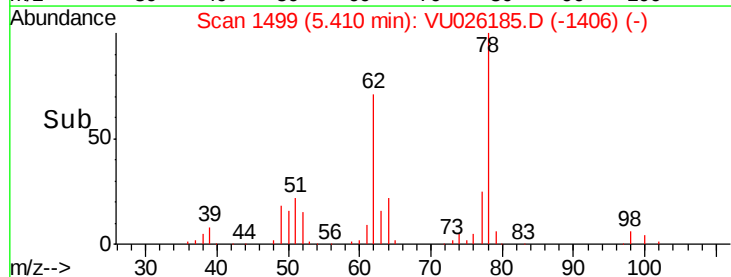
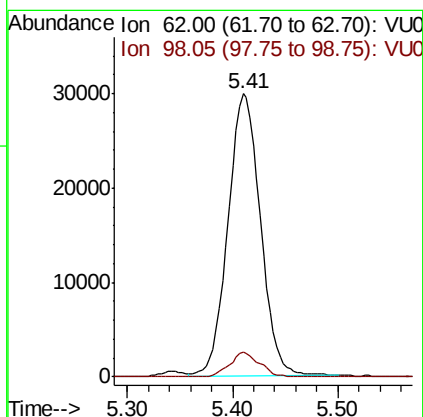
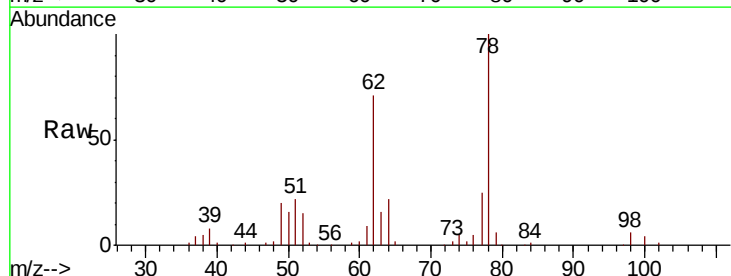
Instrument :
MSVOA_U
ClientSampleId :

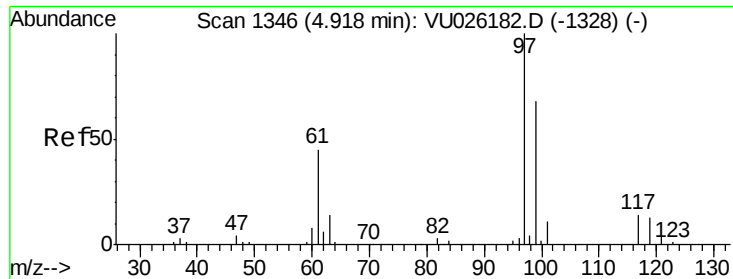
Tot Ion: 83 Resp: 110905
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.068 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026185.D
Acq: 17 Aug 2018 17:47

Tgt Ion: 62 Resp: 63789
Ion Ratio Lower Upper
62 100
98 8.8 6.9 10.3

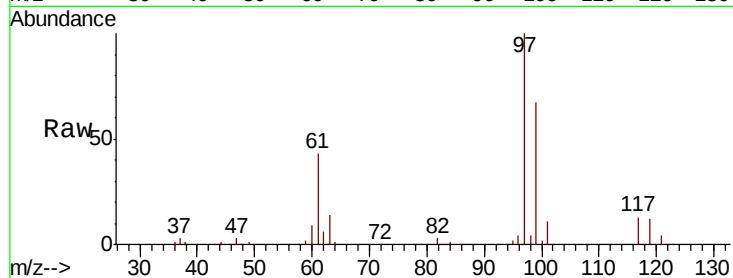




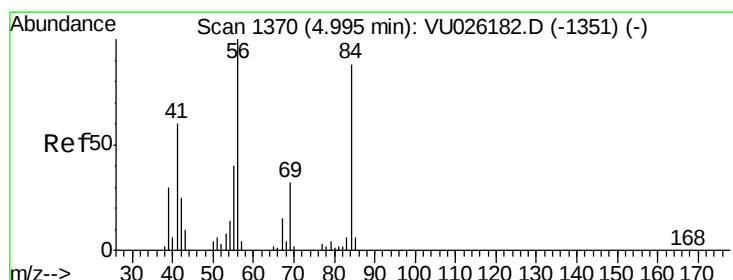
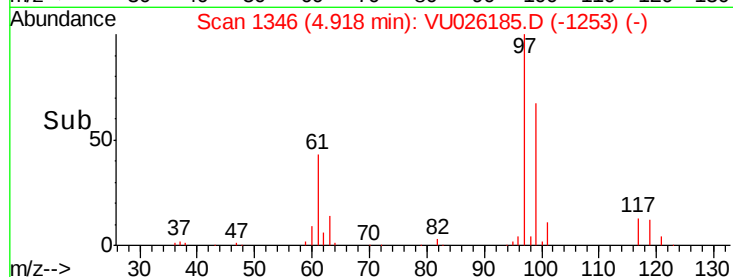
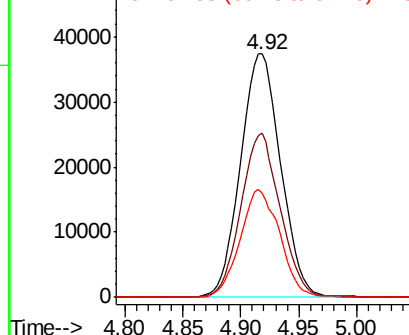
#29
 1,1,1-Trichloroethane
 Concen: 4.968 ug/L
 RT: 4.92 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 90154
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.3 78.5
 61 43.7 35.0 52.6

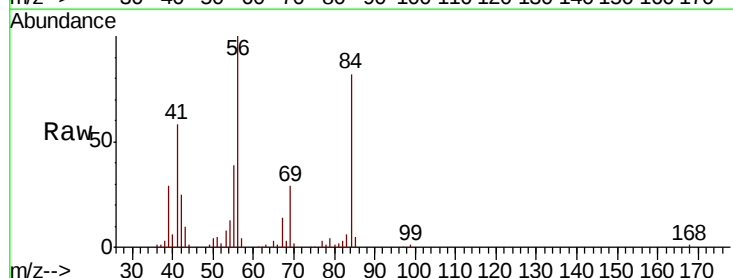


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

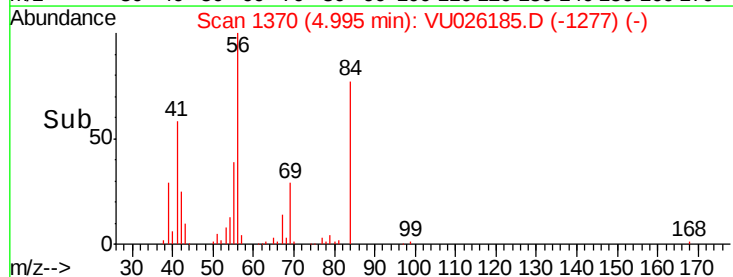
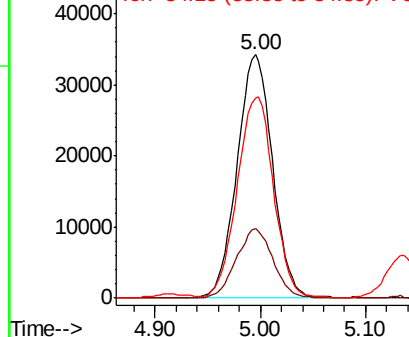


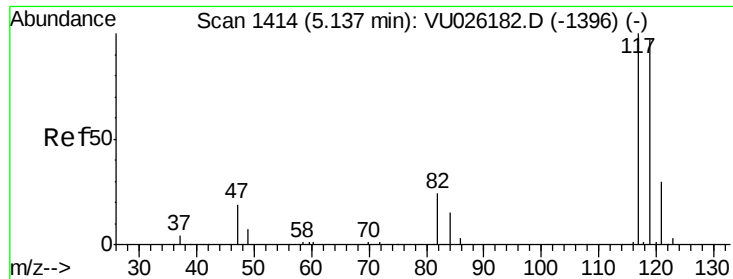
#30
 Cyclohexane
 Concen: 5.183 ug/L
 RT: 5.00 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion: 56 Resp: 80056
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.2 36.2
 84 84.9 69.3 103.9



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.999 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :

MSVOA_U

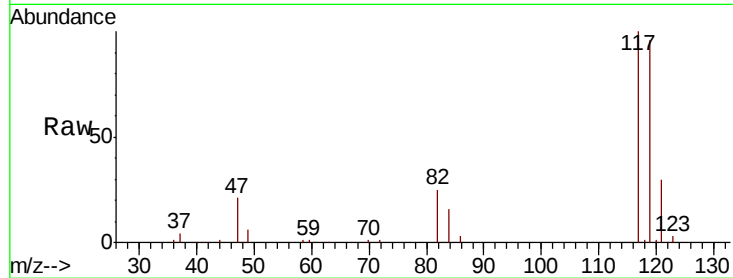
ClientSampleId :

Tot Ion:117 Resp: 82523

Ion Ratio Lower Upper

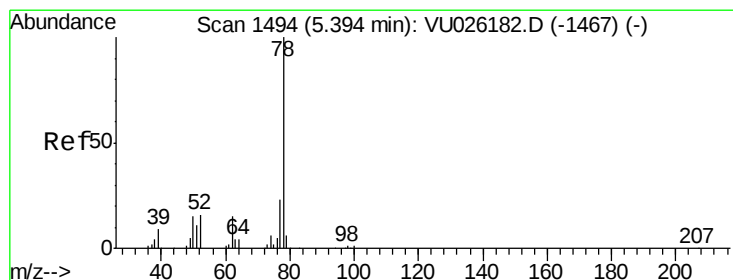
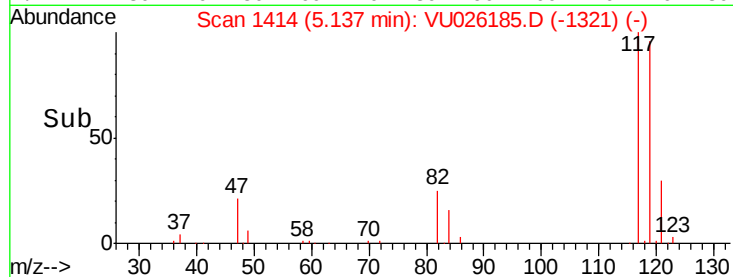
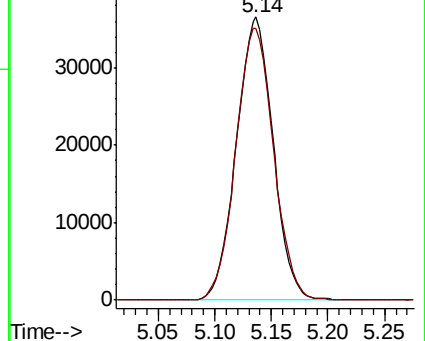
117 100

119 99.1 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.165 ug/L

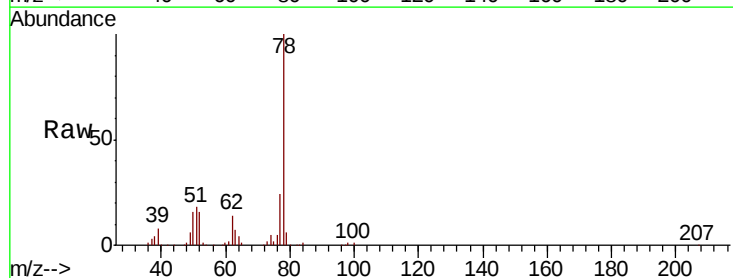
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

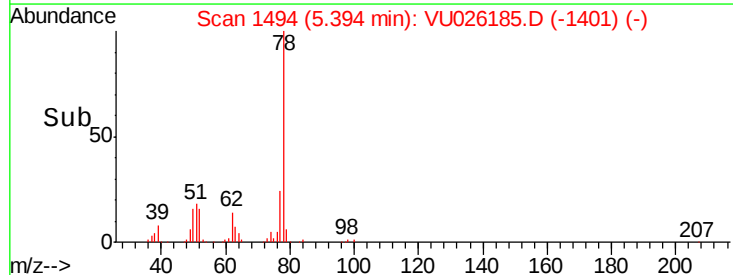
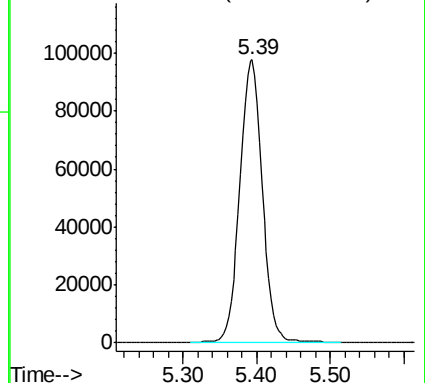
Lab File: VU026185.D

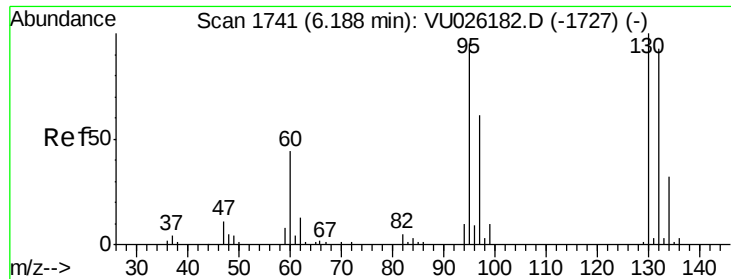
Acq: 17 Aug 2018 17:47

Tgt Ion: 78 Resp: 210055



Abundance Ion 78.10 (77.80 to 78.80): VU0

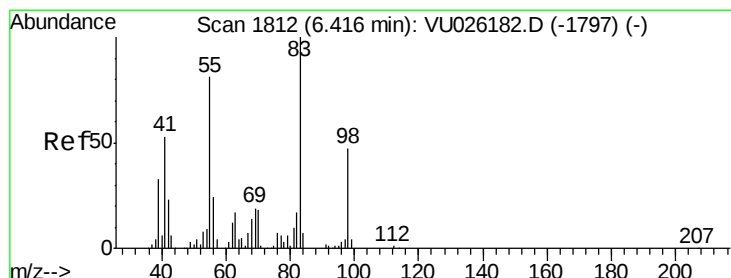
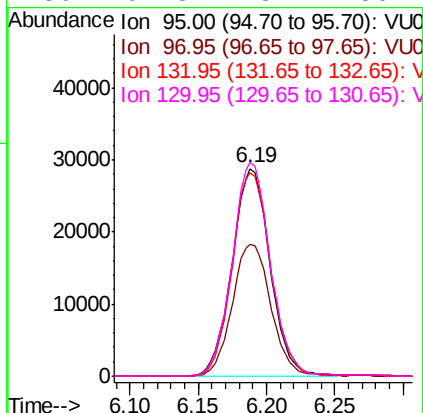
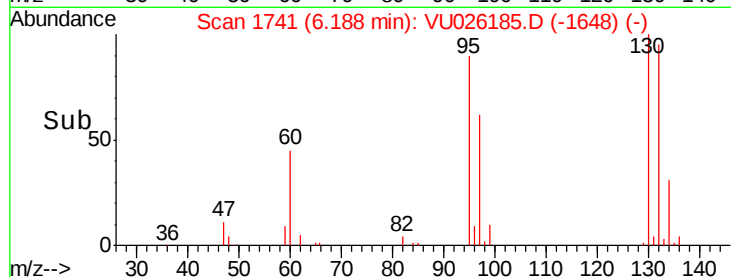
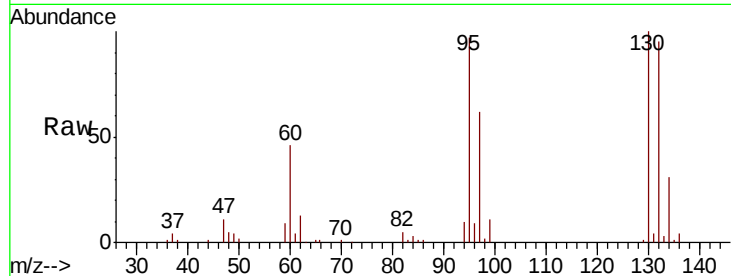




#34
 Trichloroethene
 Concen: 5.093 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

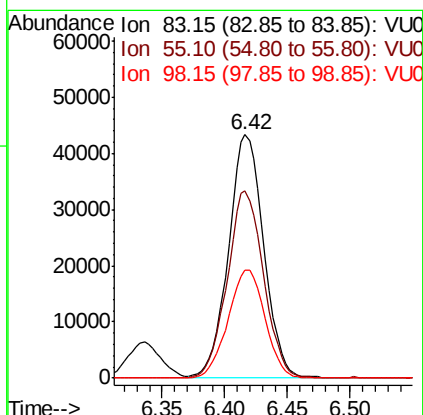
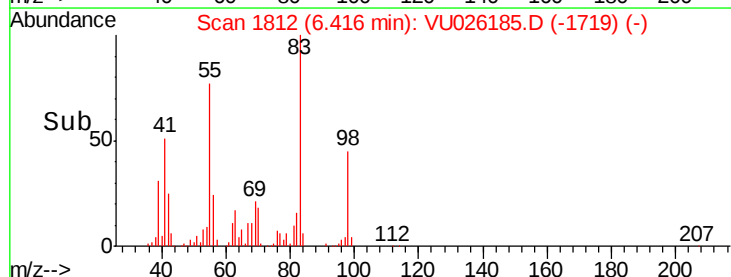
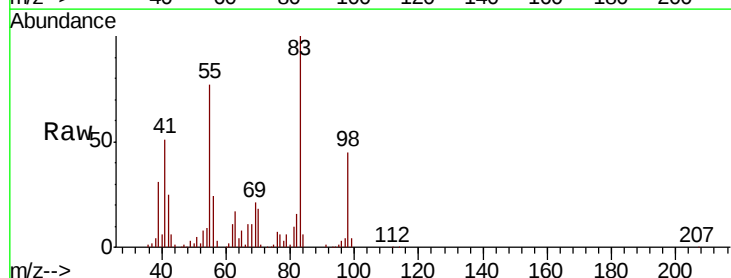
Instrument :
 MSVOA_U
 ClientSampleId :

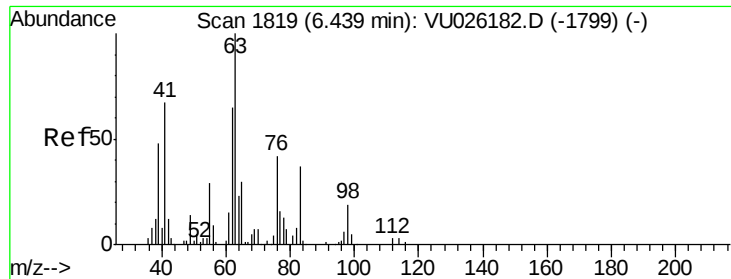
Tot Ion: 95 Resp: 55775
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.9 83.5
 132 98.1 68.2 126.6
 130 102.8 73.4 136.4



#35
 Methylcyclohexane
 Concen: 5.210 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion: 83 Resp: 84554
 Ion Ratio Lower Upper
 83 100
 55 79.1 65.0 97.4
 98 46.5 37.8 56.6

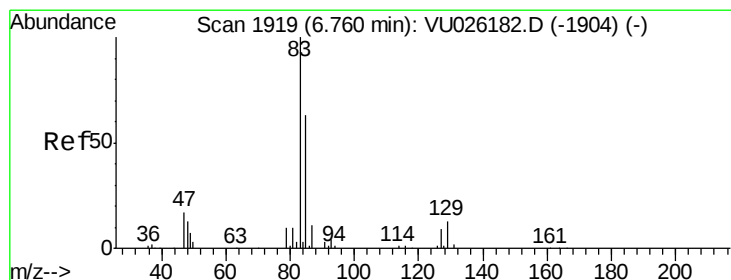
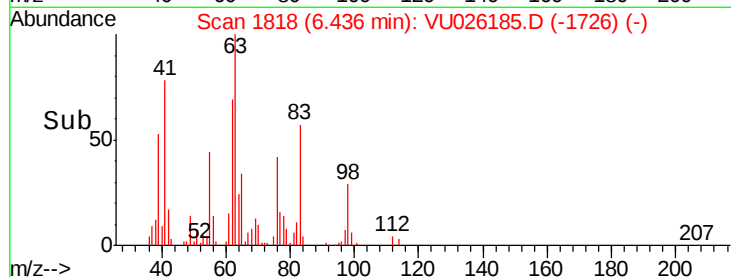
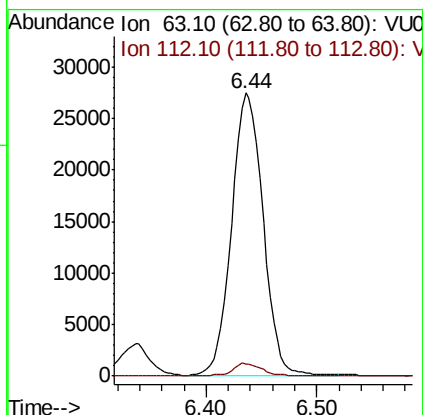
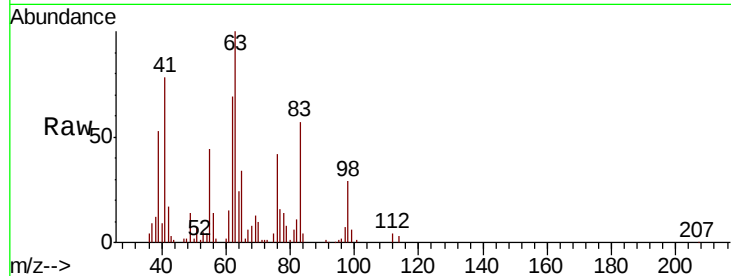




#37
 1,2-Dichloropropane
 Concen: 4.948 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

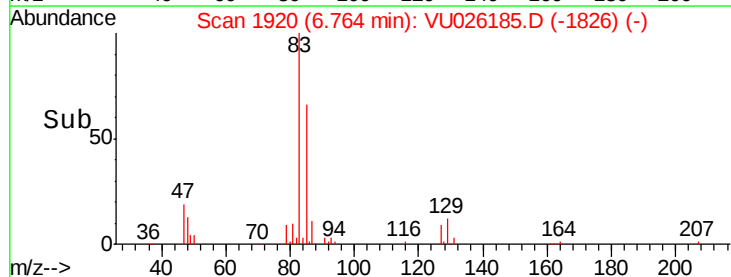
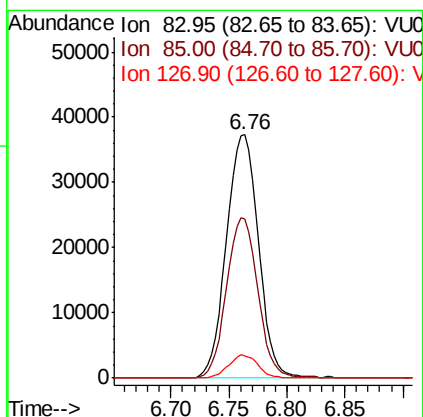
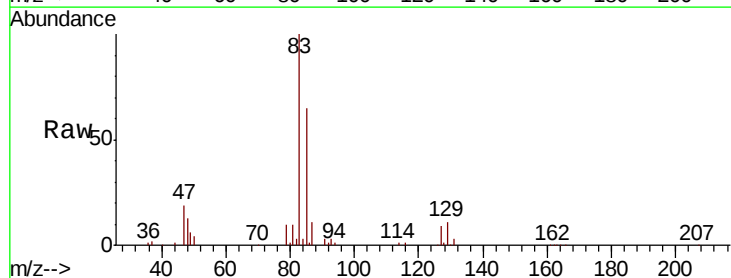
Instrument :
 MSVOA_U
 ClientSampleId :

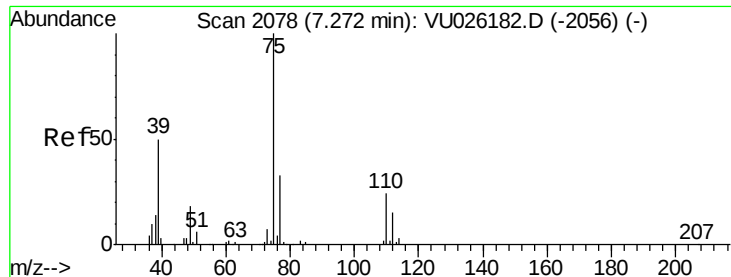
Tot Ion: 63 Resp: 54134
 Ion Ratio Lower Upper
 63 100
 112 4.2 1.4 2.2#



#38
 Bromodichloromethane
 Concen: 5.157 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion: 83 Resp: 71505
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.2 82.0
 127 9.4 7.6 11.4

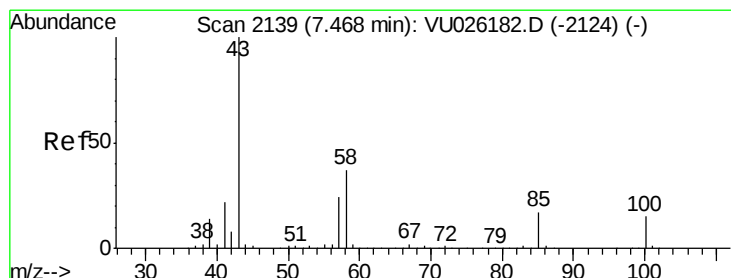
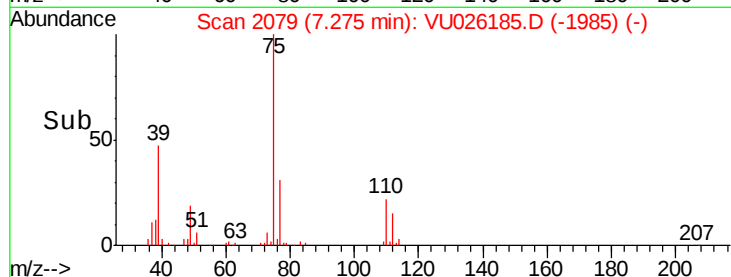
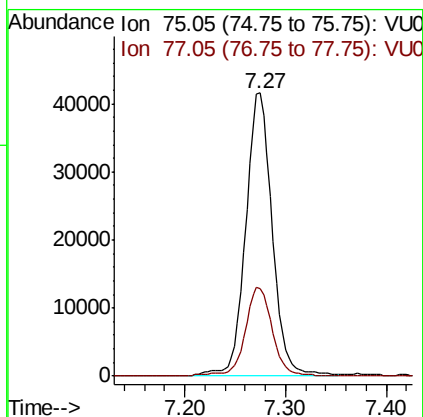
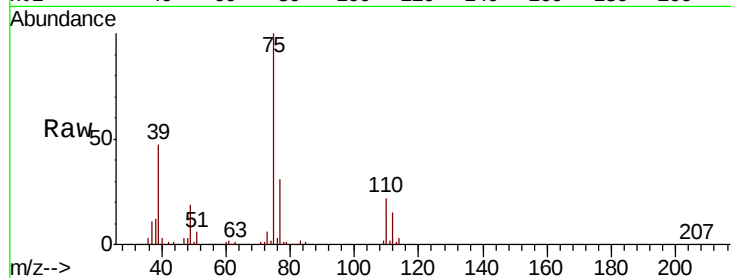




#39
 cis-1,3-Dichloropropene
 Concen: 5.278 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

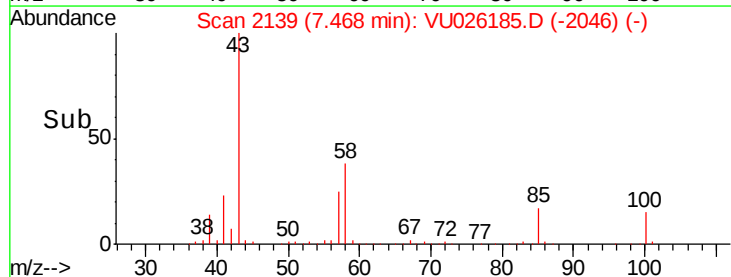
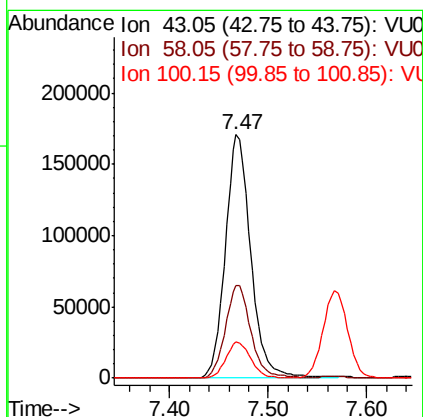
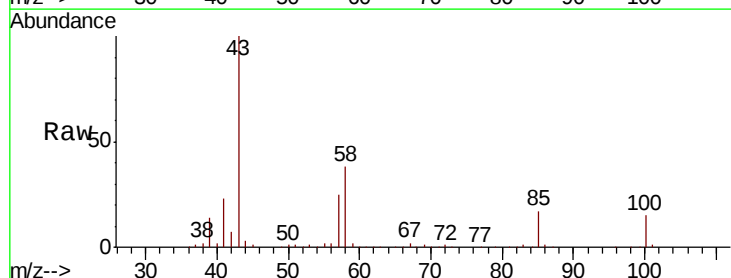
Instrument :
 MSVOA_U
 ClientSampleId :

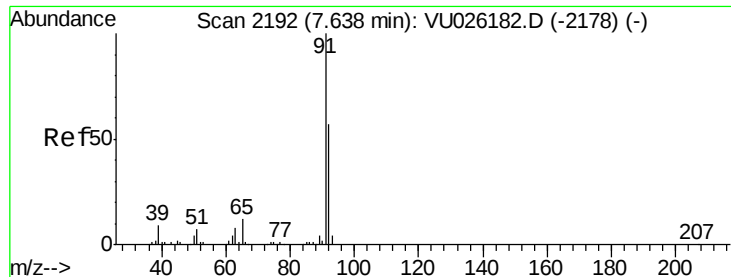
Tot Ion: 75 Resp: 75533
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.3 43.3



#40
 4-Methyl-2-pentanone
 Concen: 52.599 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion: 43 Resp: 309115
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.8 44.8
 100 14.6 11.6 17.4





#42

Toluene

Concen: 5.266 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

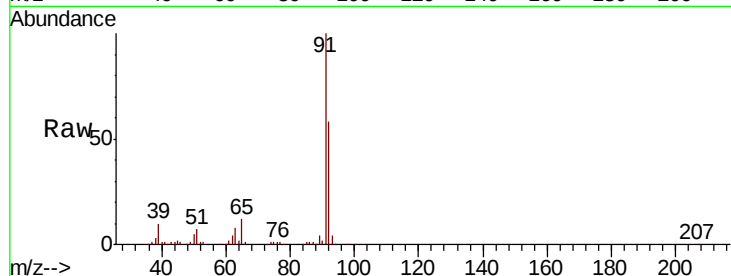
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 226000

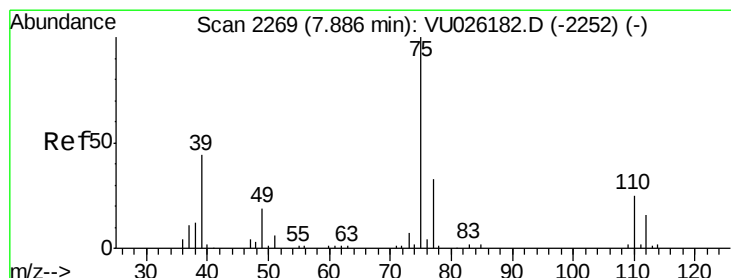
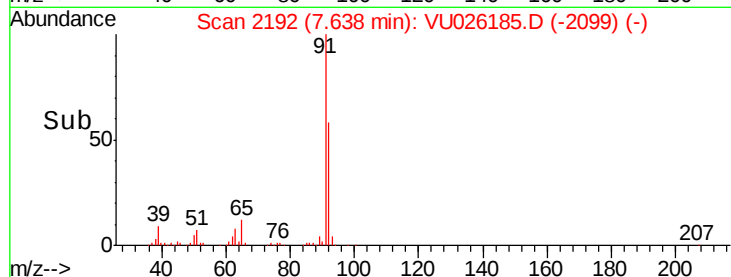
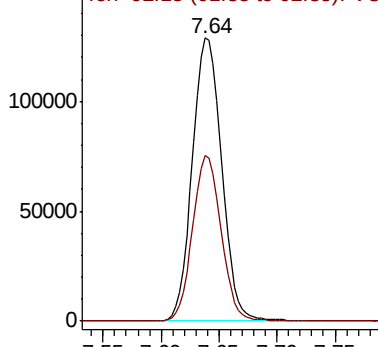
Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.133 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026185.D

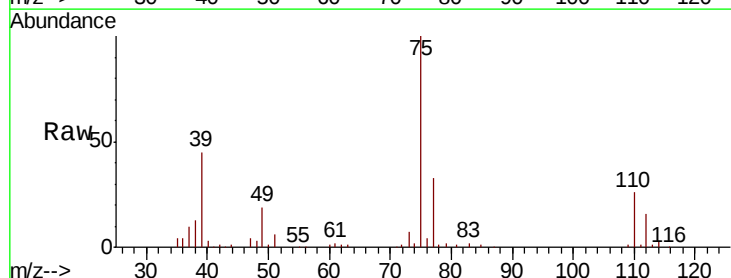
Acq: 17 Aug 2018 17:47

Tgt Ion: 75 Resp: 63294

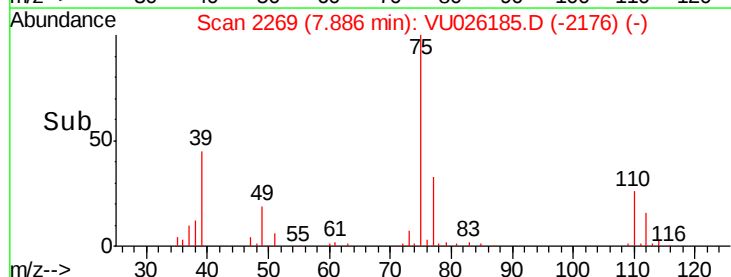
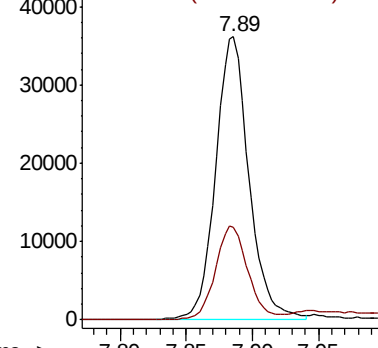
Ion Ratio Lower Upper

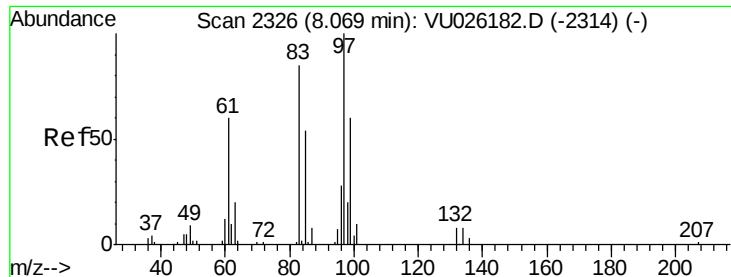
75 100

77 32.9 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0

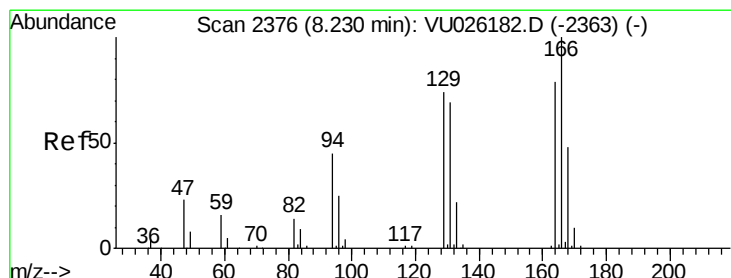
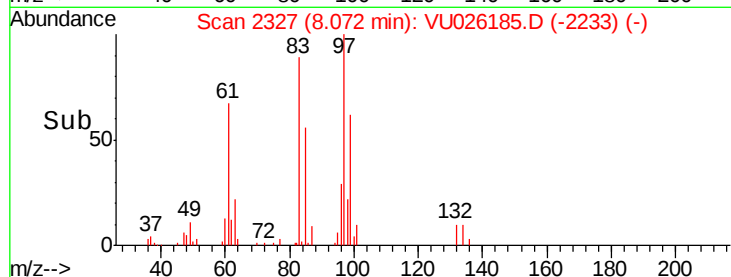
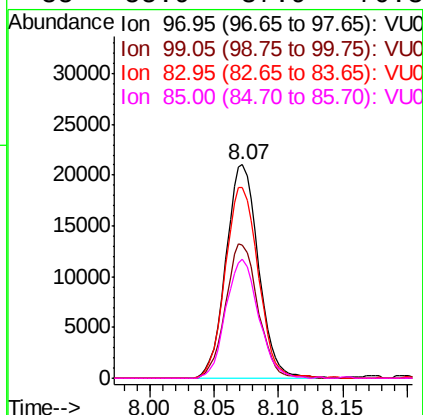
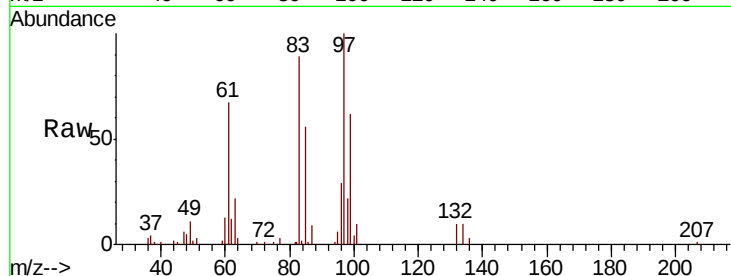




#45
 1,1,2-Trichloroethane
 Concen: 4.935 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

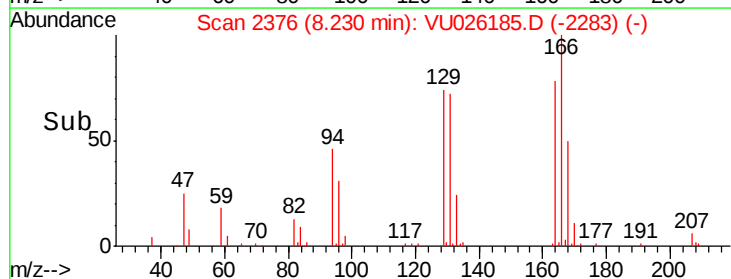
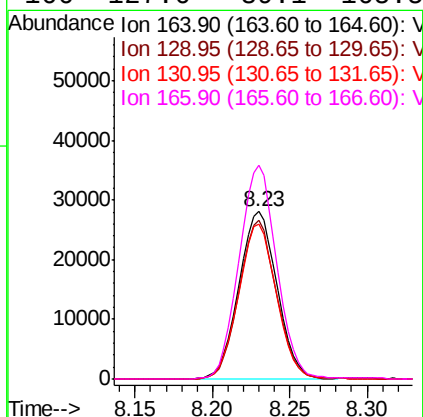
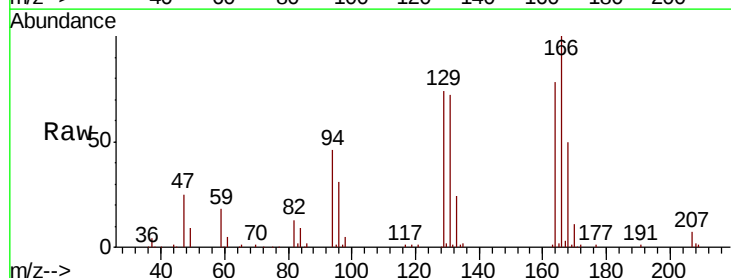
Instrument :
 MSVOA_U
 ClientSampleId :

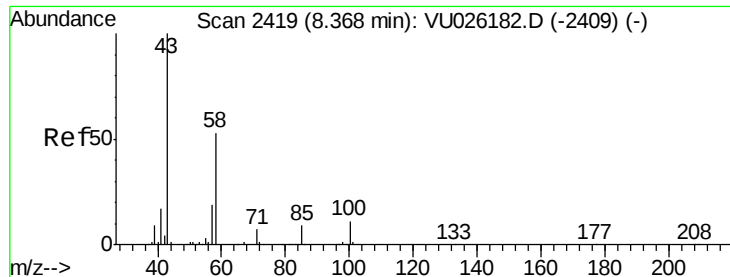
Tot Ion:	97	Resp:	36985
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.1	78.3
83	89.2	59.2	110.0
85	55.9	37.9	70.3



#47
 Tetrachloroethene
 Concen: 5.037 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion:	164	Resp:	48259
Ion	Ratio	Lower	Upper
164	100		
129	94.8	66.1	122.8
131	92.5	61.4	114.0
166	127.6	89.1	165.5

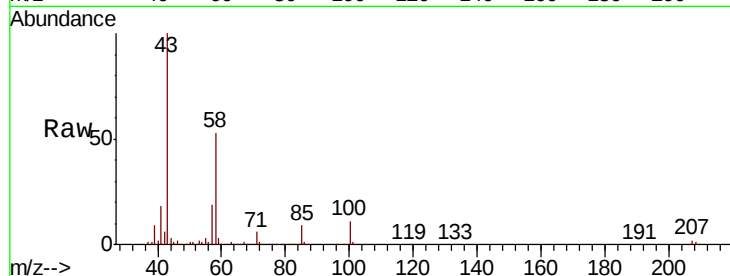




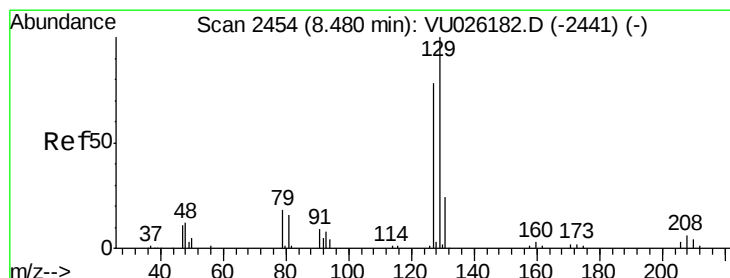
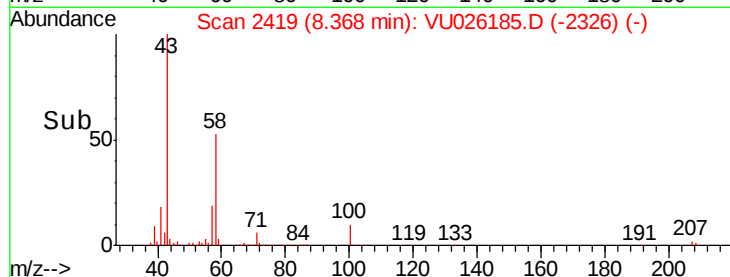
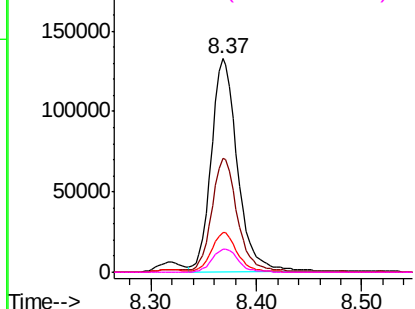
#48
2-Hexanone
Concen: 55.776 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026185.D
Acq: 17 Aug 2018 17:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	228783
Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.1	64.7
57	18.5	15.4	23.0
100	11.1	9.4	14.0

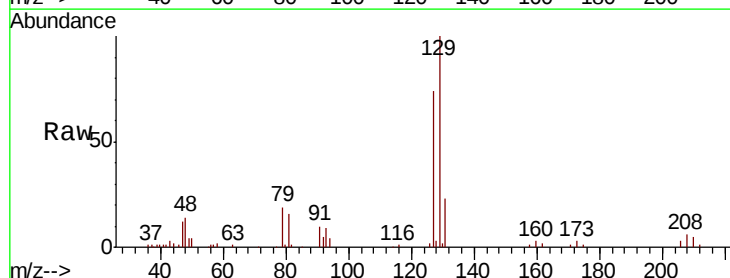


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

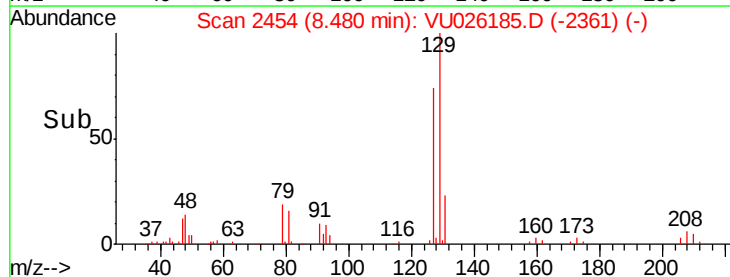
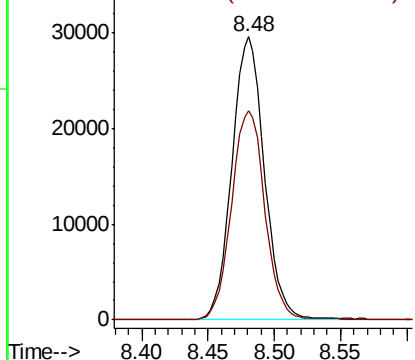


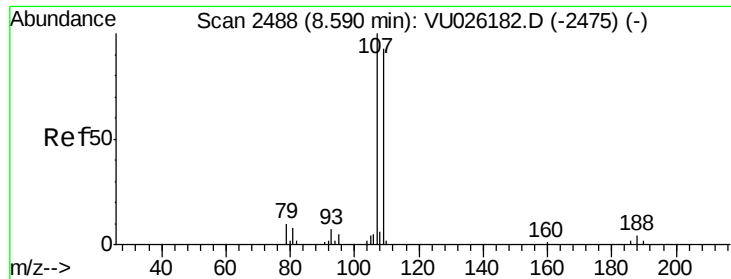
#49
Dibromochloromethane
Concen: 5.124 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026185.D
Acq: 17 Aug 2018 17:47

Tgt Ion:	129	Resp:	50386
Ion	Ratio	Lower	Upper
129	100		
127	73.8	54.9	101.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

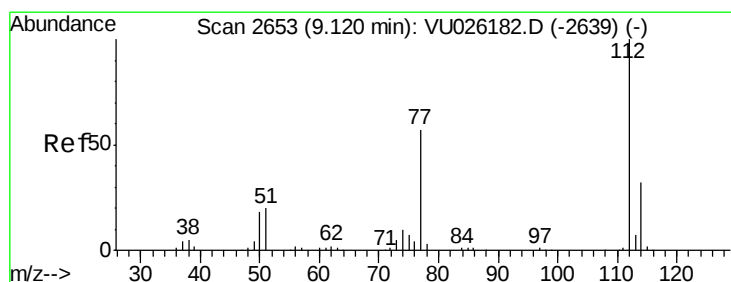
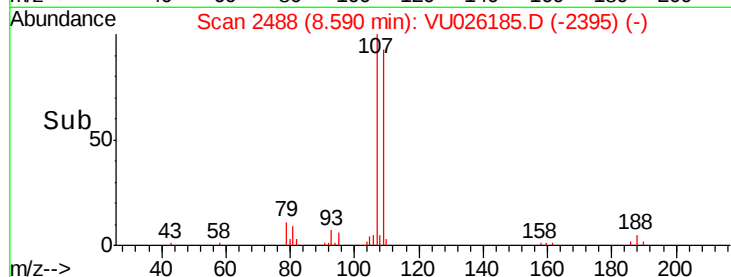
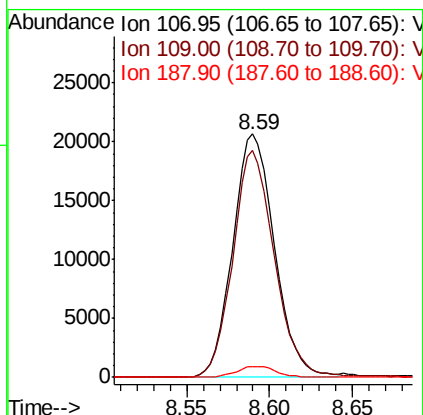
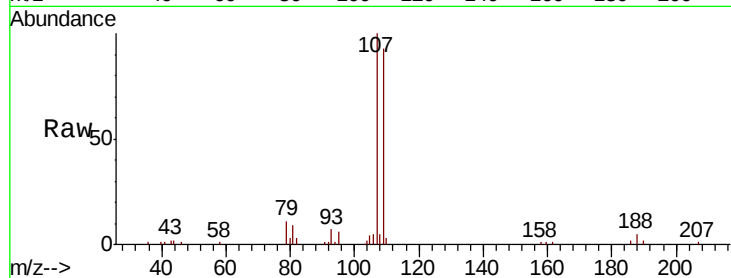




#50
 1,2-Dibromoethane
 Concen: 5.066 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

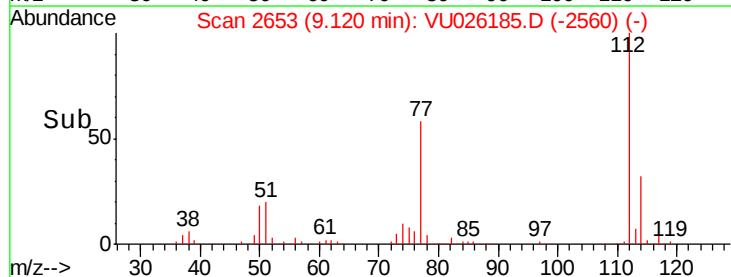
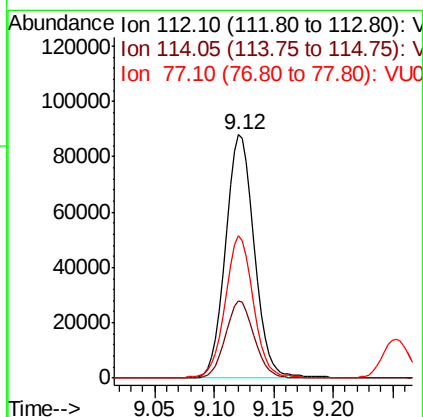
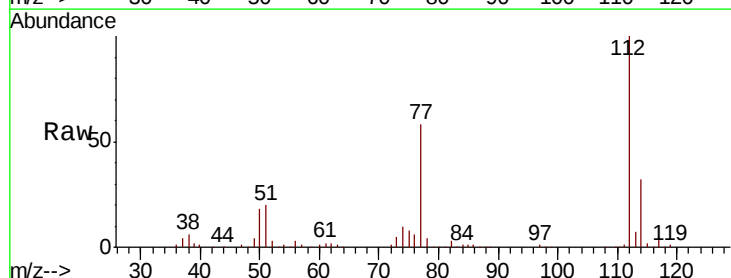
Instrument :
 MSVOA_U
 ClientSampled :

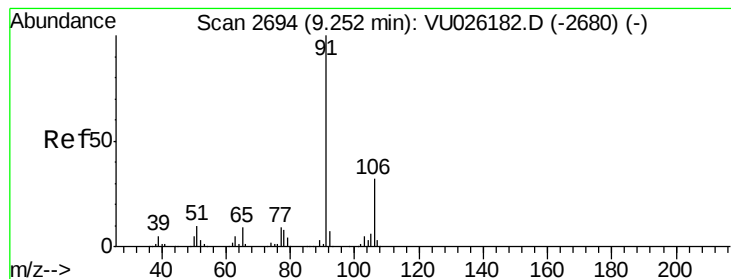
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.3	121.3
188	4.6	3.0	4.4#



#51
 Chlorobenzene
 Concen: 5.123 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.5	41.7
77	58.4	45.8	68.6





#52

Ethylbenzene

Concen: 5.182 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

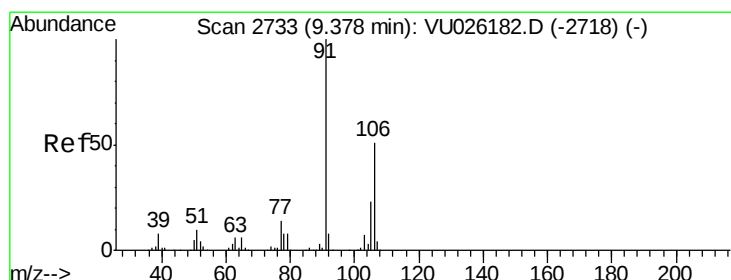
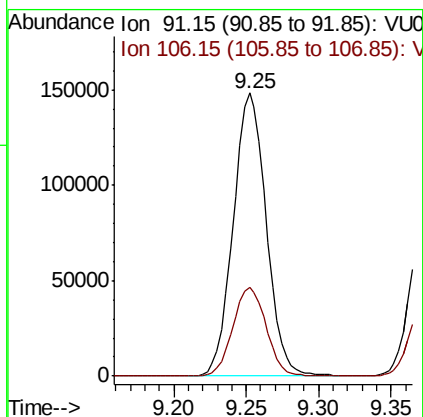
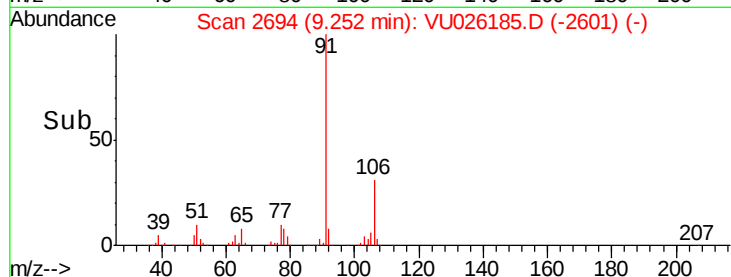
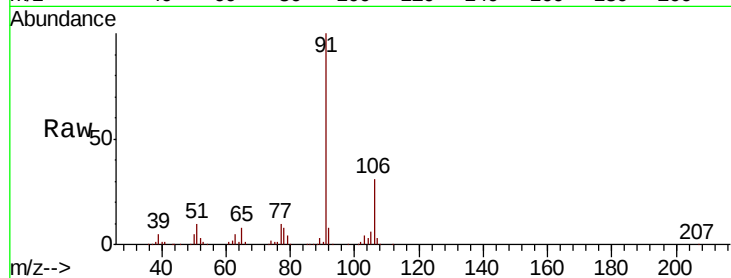
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 234359

Ion Ratio Lower Upper

91 100

106 31.3 22.5 41.9



#53

m,p-xylene

Concen: 5.371 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026185.D

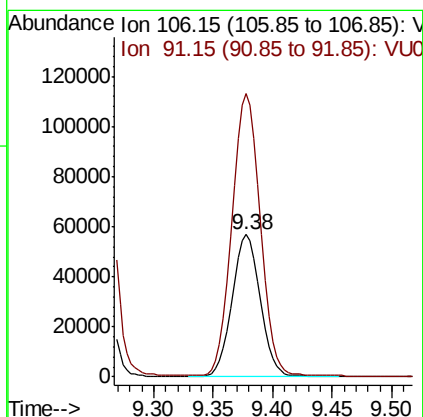
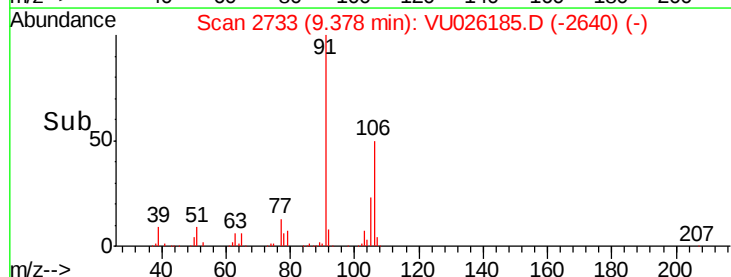
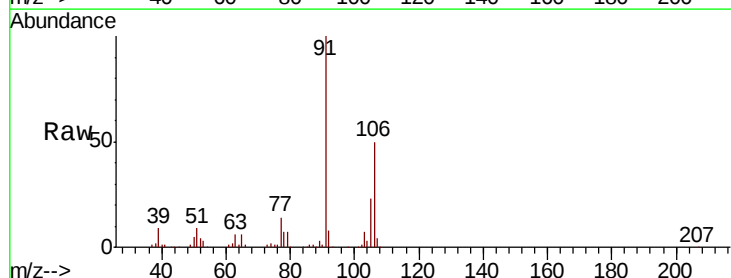
Acq: 17 Aug 2018 17:47

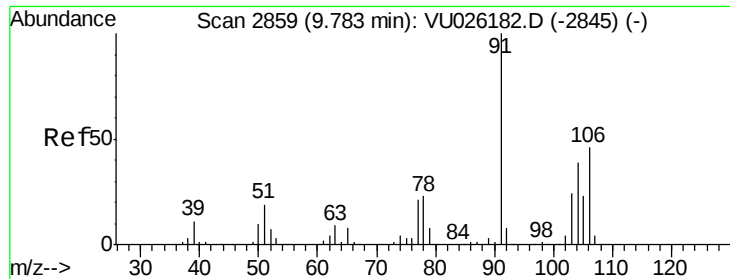
Tgt Ion: 106 Resp: 93336

Ion Ratio Lower Upper

106 100

91 198.7 138.9 257.9

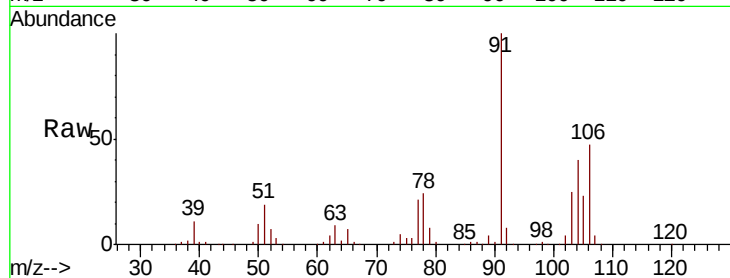




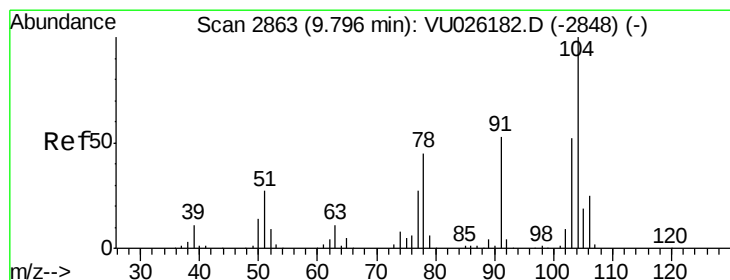
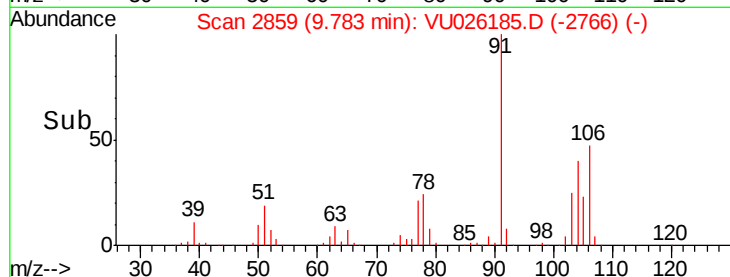
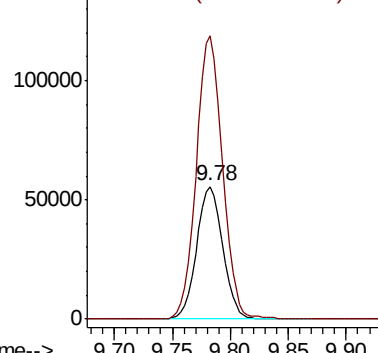
#54
o-xylene
Concen: 5.249 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026185.D
Acq: 17 Aug 2018 17:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 87290
Ion Ratio Lower Upper
106 100
91 213.6 150.7 279.9

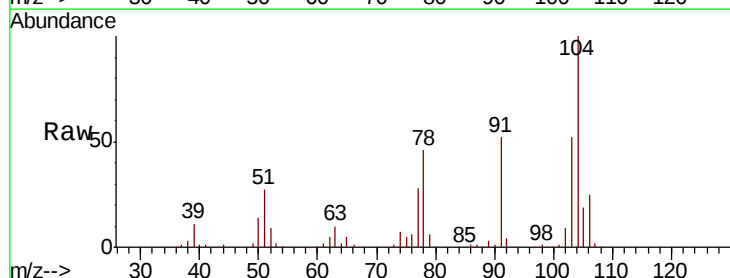


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

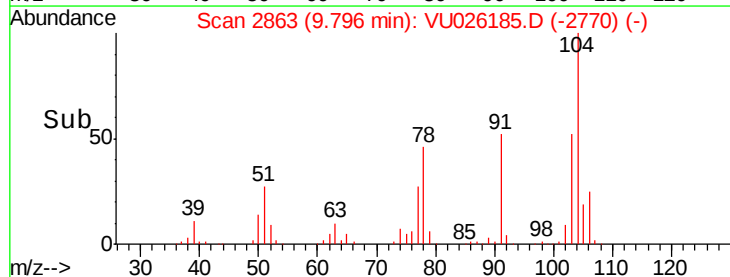
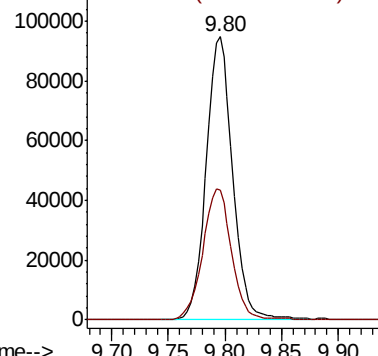


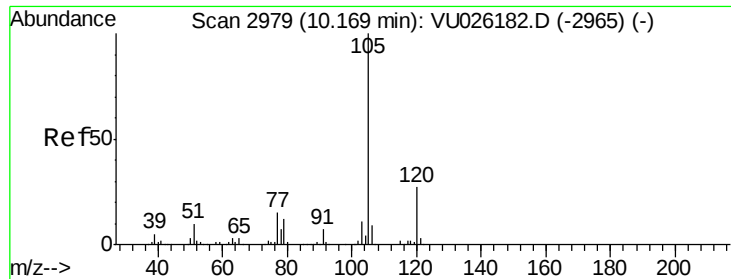
#55
Styrene
Concen: 5.456 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026185.D
Acq: 17 Aug 2018 17:47

Tgt Ion:104 Resp: 154456
Ion Ratio Lower Upper
104 100
78 45.7 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.322 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

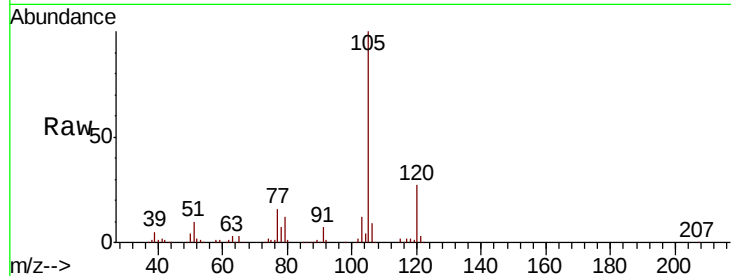
Tot Ion:105 Resp: 234093

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

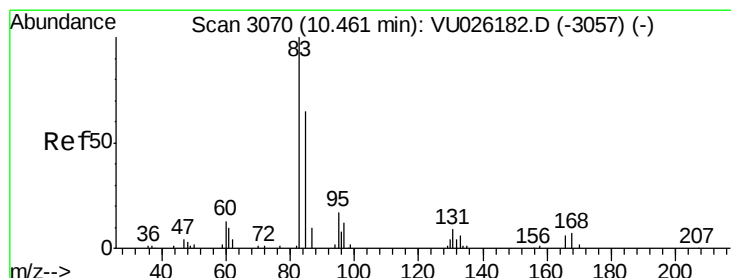
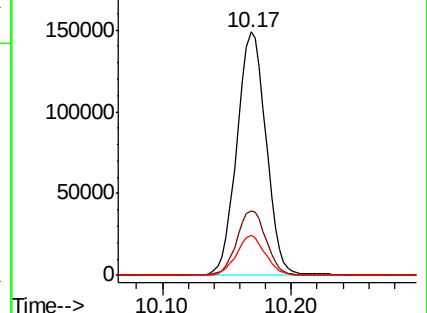
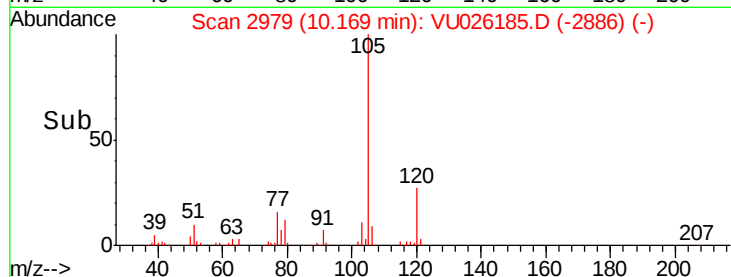
77 16.3 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.257 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

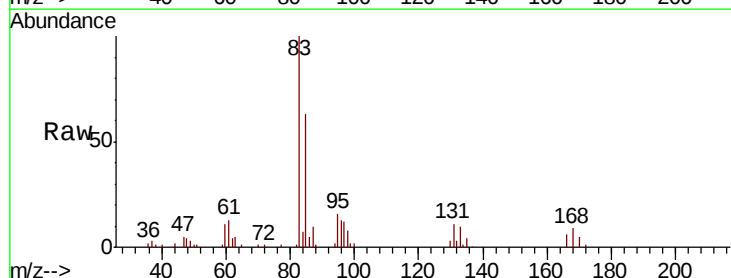
Tgt Ion: 83 Resp: 48311

Ion Ratio Lower Upper

83 100

85 63.5 45.7 84.9

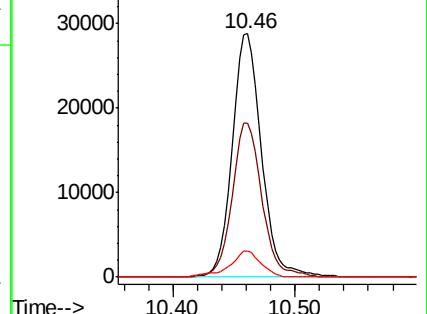
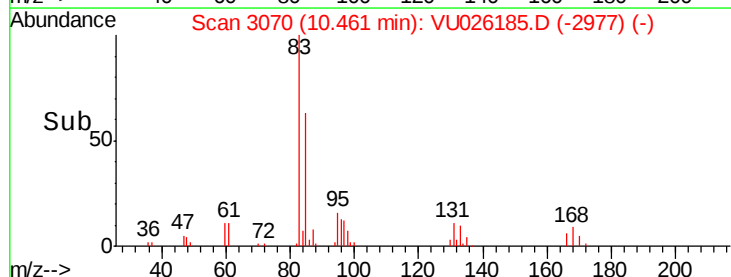
131 10.8 7.7 11.5

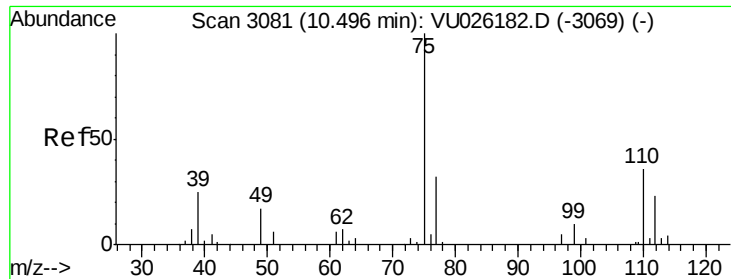


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

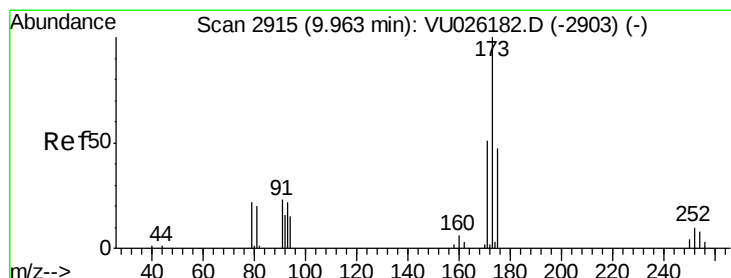
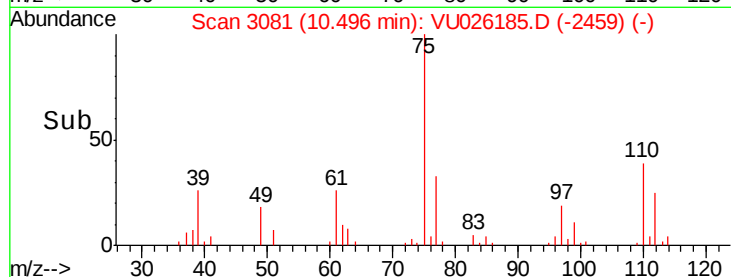
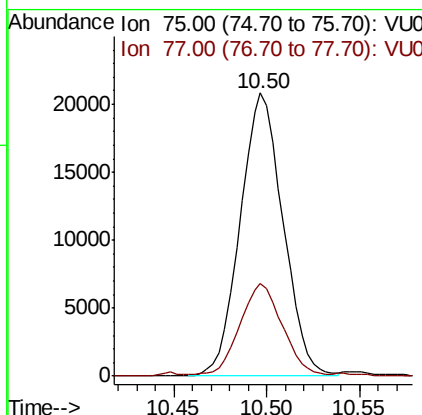
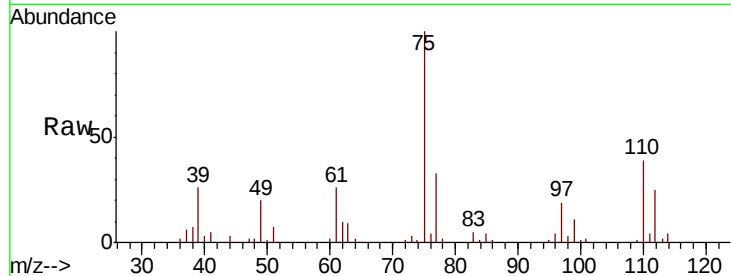




#59
 1,2,3-Trichloropropane
 Concen: 5.065 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

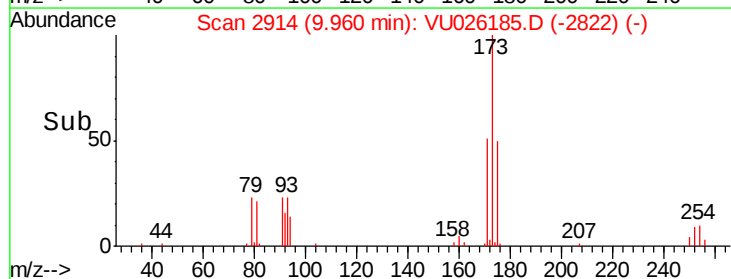
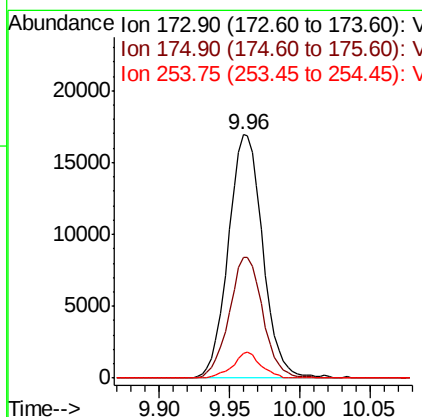
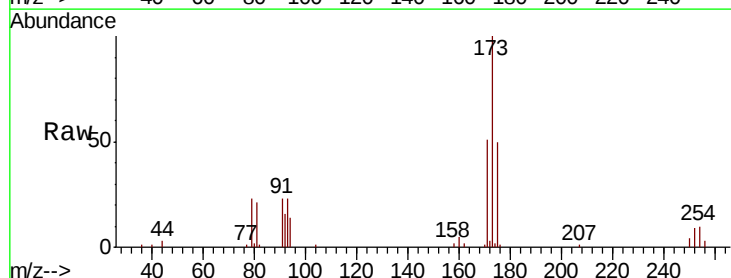
Instrument :
 MSVOA_U
 ClientSampleId :

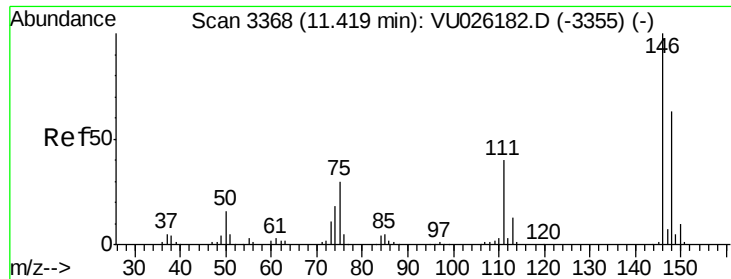
Tot Ion: 75 Resp: 33471
 Ion Ratio Lower Upper
 75 100
 77 30.9 29.0 43.4



#61
 Bromoform
 Concen: 5.136 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion:173 Resp: 28921
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.0 58.6
 254 8.7 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.063 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

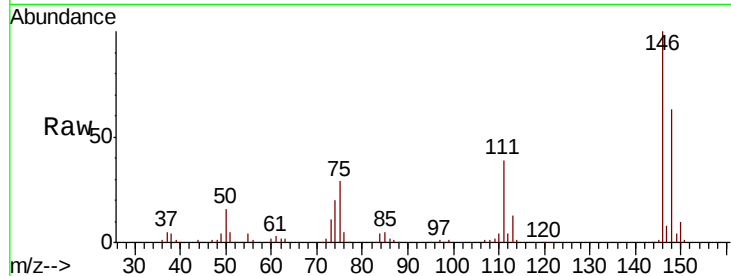
Tot Ion:146 Resp: 116684

Ion Ratio Lower Upper

146 100

111 39.0 27.9 51.7

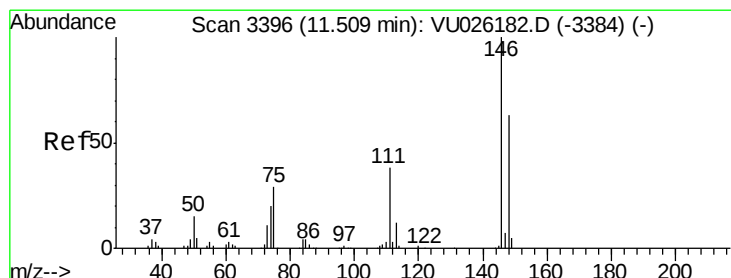
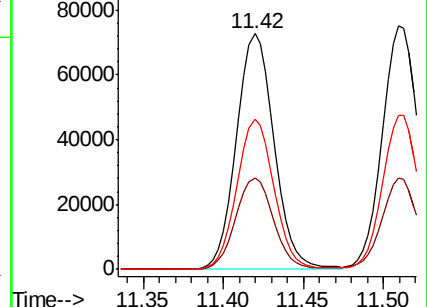
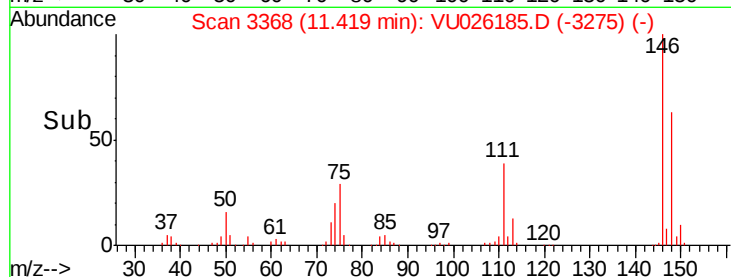
148 63.5 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.014 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

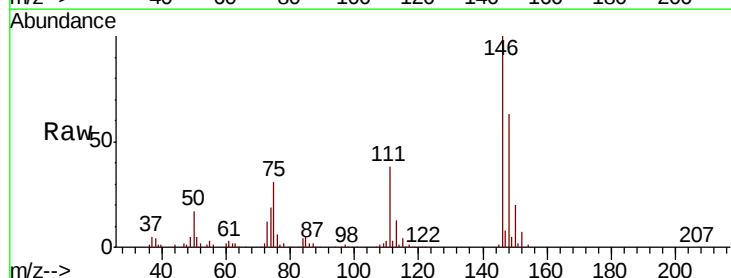
Tgt Ion:146 Resp: 121838

Ion Ratio Lower Upper

146 100

111 37.7 26.8 49.8

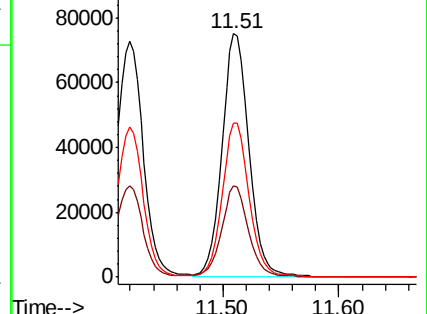
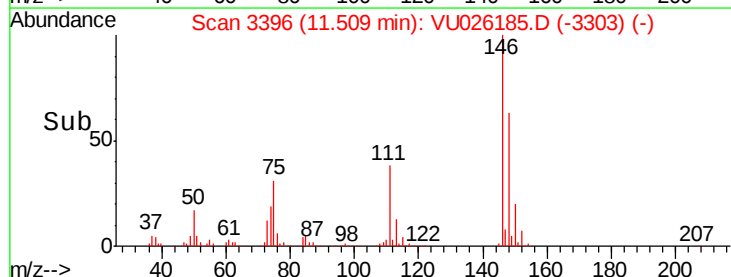
148 63.4 44.2 82.0

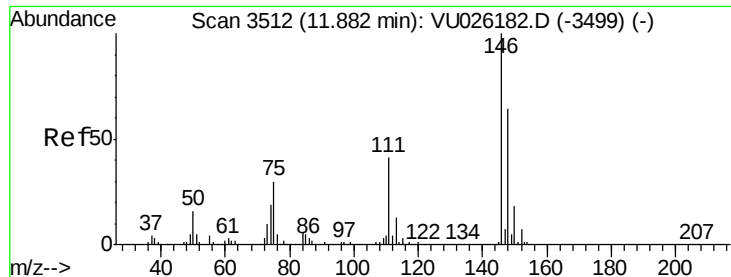


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.004 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

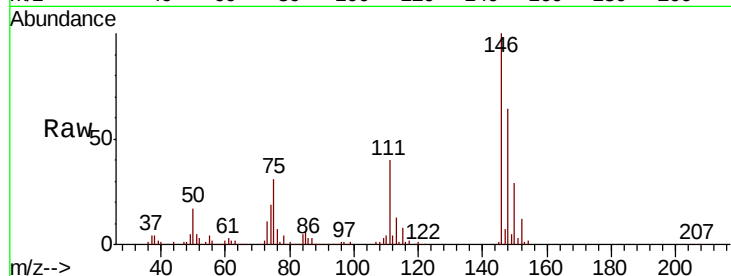
Tot Ion:146 Resp: 114278

Ion Ratio Lower Upper

146 100

111 40.3 33.0 49.4

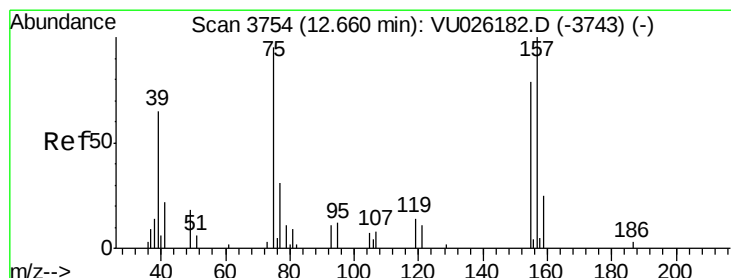
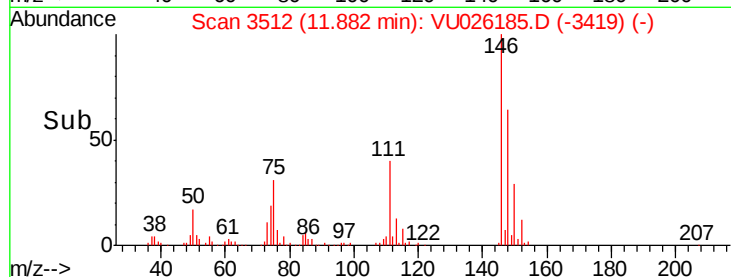
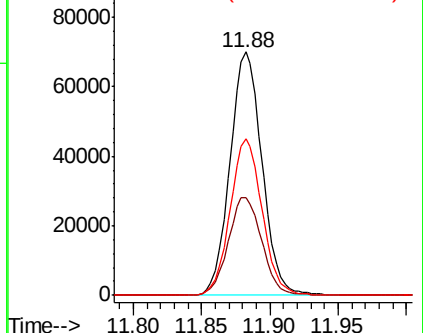
148 64.3 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.806 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

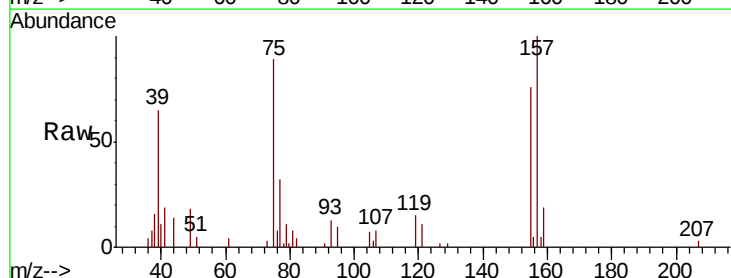
Tgt Ion: 75 Resp: 7559

Ion Ratio Lower Upper

75 100

155 84.5 66.2 99.4

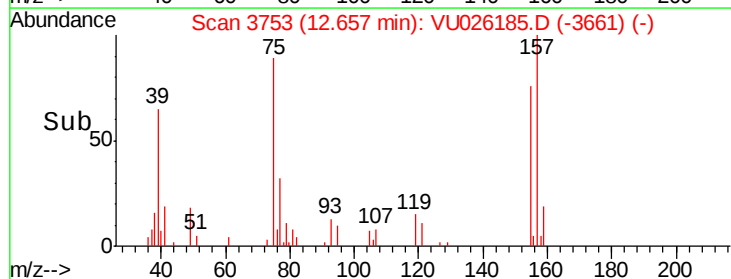
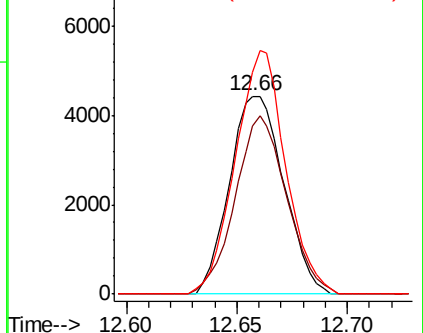
157 111.9 84.2 126.4

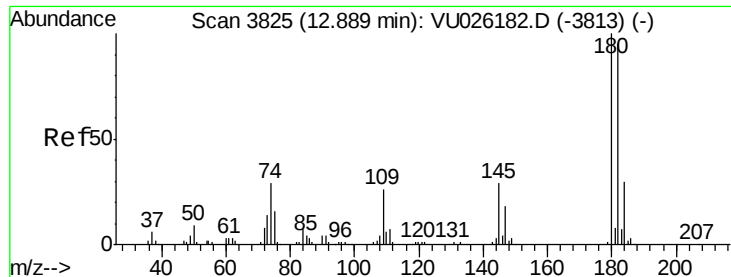


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

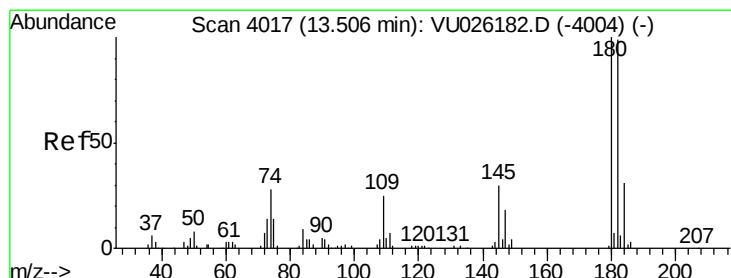
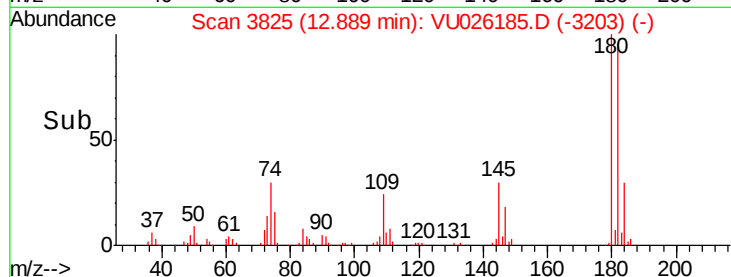
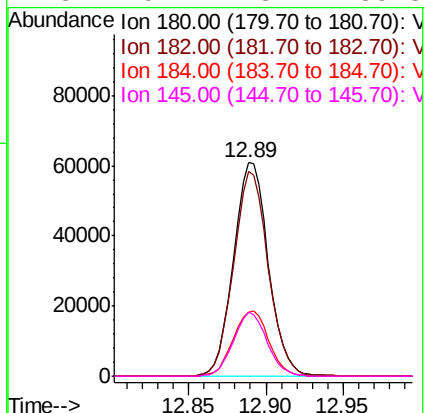
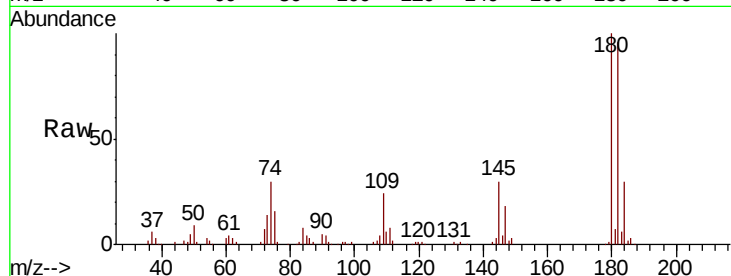




#67
 1,3,5-Trichlorobenzene
 Concen: 5.285 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

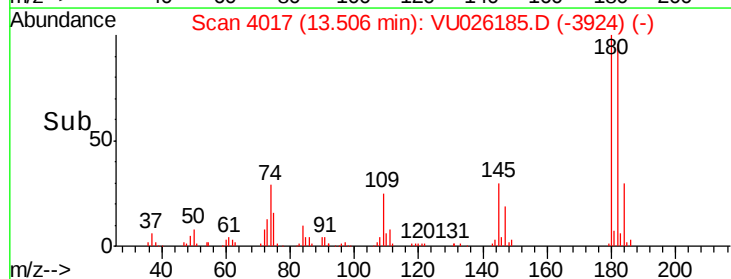
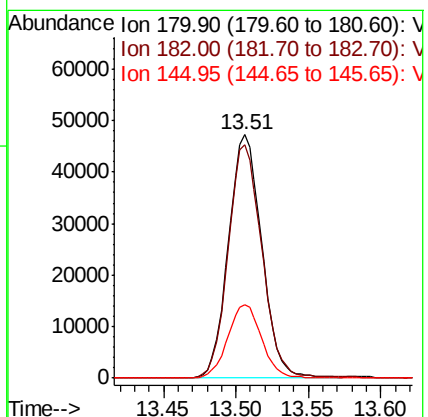
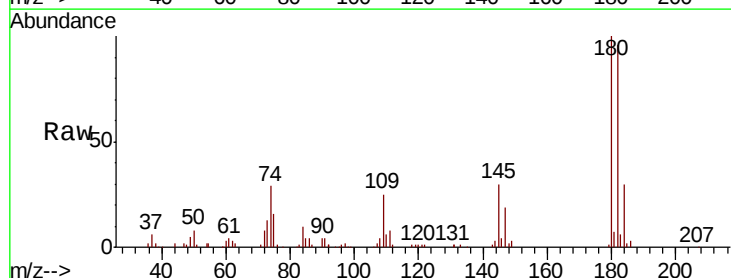
Instrument :
 MSVOA_U
 ClientSampleId :

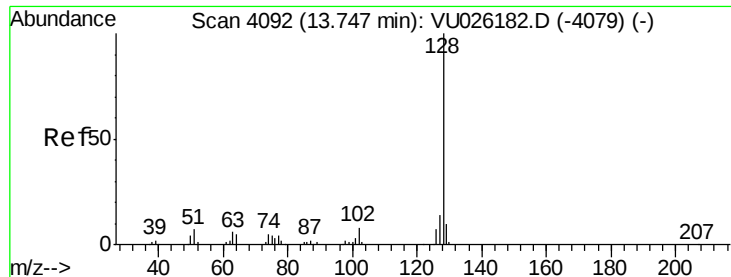
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
184	31.2	24.2	36.2
145	29.1	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.418 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026185.D
 Acq: 17 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.9	116.9
145	30.5	24.2	36.2





#69

Naphthalene

Concen: 5.876 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

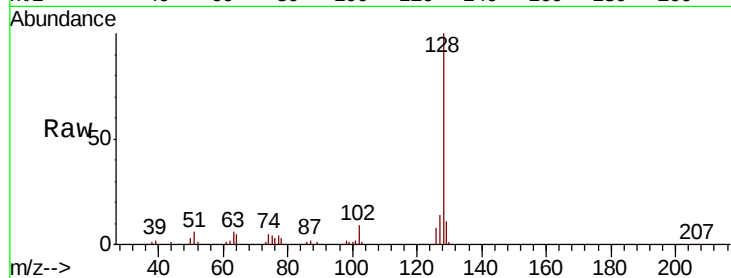
Tot Ion:128 Resp: 121709

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

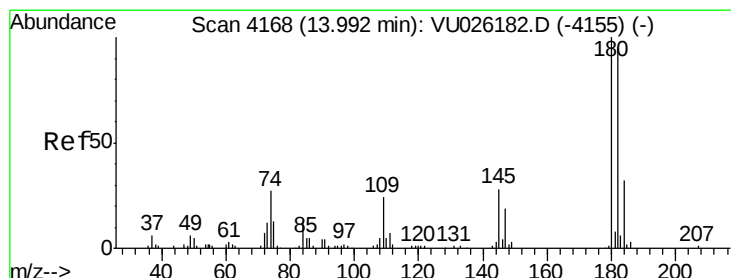
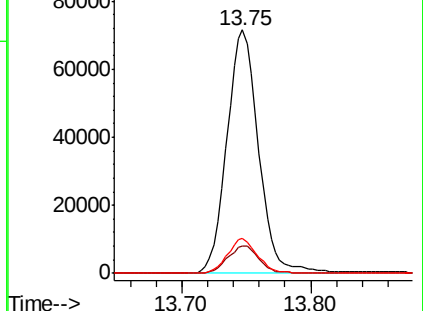
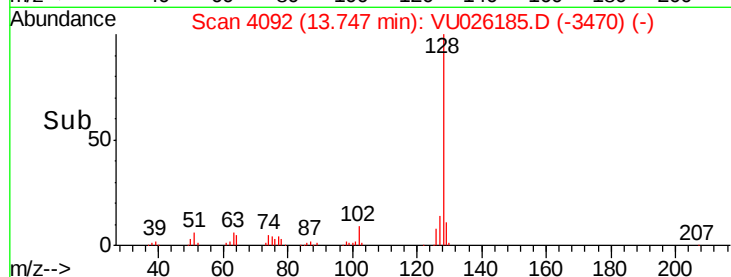
127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.724 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026185.D

Acq: 17 Aug 2018 17:47

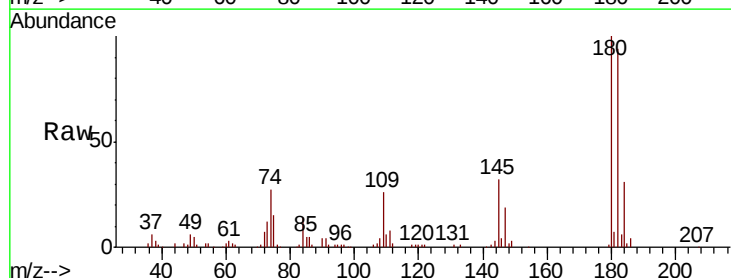
Tgt Ion:180 Resp: 75815

Ion Ratio Lower Upper

180 100

182 94.3 77.8 116.6

145 30.7 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

