

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
 Data File : VU026813.D
 Acq On : 17 Sep 2018 09:37
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 15:45:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 07:09:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	126014	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	105967	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	56288	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41479	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.68	69	37672	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.28	63	84609	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.21	46	103699	49.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.18%
24) Chloroform-d	4.65	84	79991	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.31	65	40870	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.34	84	161438	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.33	67	50438	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.57	98	142733	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.85	79	18590	5.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.20%
46) 2-Hexanone-d5	8.32	63	73420	52.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	38714	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	54114	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	67254	4.934	ug/L 98
3) Chloromethane	1.32	50	67450	5.005	ug/L 96
5) Vinyl chloride	1.40	62	66918	4.839	ug/L 99
6) Bromomethane	1.63	94	28962	4.213	ug/L 99
8) Chloroethane	1.70	64	42346	4.847	ug/L 96
9) Trichlorofluoromethane	1.89	101	88157	5.108	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	52730	5.292	ug/L 99
12) 1,1-Dichloroethene	2.29	96	48688	5.185	ug/L 94
13) Acetone	2.34	43	91369	48.647	ug/L 99
14) Carbon disulfide	2.48	76	172108	5.269	ug/L 100
15) Methyl Acetate	2.62	43	23066	4.681	ug/L 99
16) Methylene chloride	2.70	84	54021	4.732	ug/L 95
17) Methyl tert-butyl Ether	3.00	73	113042	4.983	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	54090	5.245	ug/L 98
19) 1,1-Dichloroethane	3.45	63	96037	4.991	ug/L 97
21) 2-Butanone	4.29	43	148614	47.890	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	58128	5.213	ug/L 93

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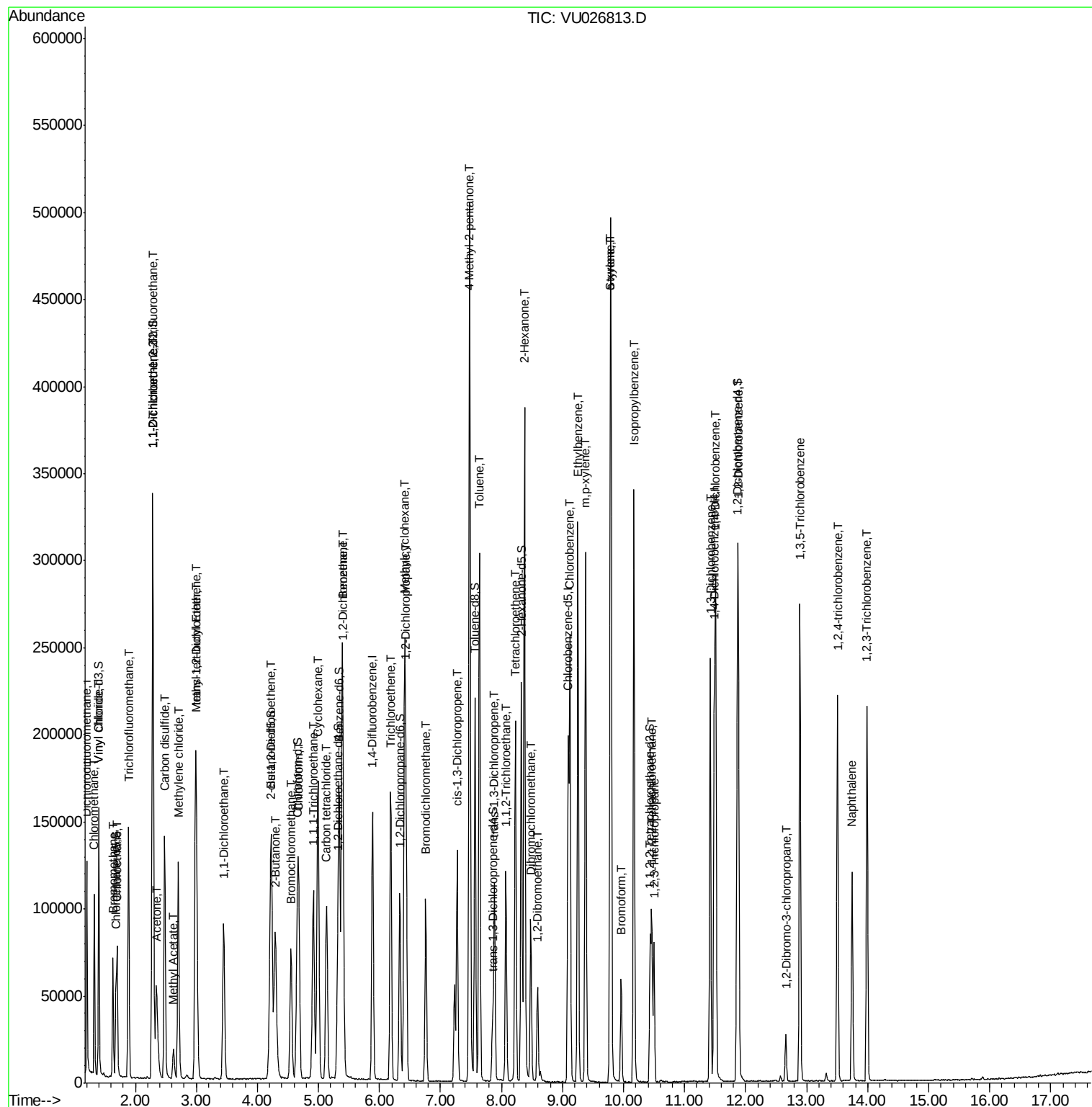
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	24590	5.182	ug/L	98
25) Chloroform	4.68	83	94955	5.118	ug/L	98
27) 1,2-Dichloroethane	5.41	62	60697	5.081	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	83249	5.456	ug/L	99
30) Cyclohexane	4.99	56	90101	5.240	ug/L	100
31) Carbon tetrachloride	5.13	117	72021	5.366	ug/L	100
33) Benzene	5.39	78	218763	5.519	ug/L	100
34) Trichloroethene	6.18	95	54520	5.394	ug/L	98
35) Methylcyclohexane	6.41	83	88705	5.400	ug/L	99
37) 1,2-Dichloropropane	6.44	63	55303	5.251	ug/L	100
38) Bromodichloromethane	6.76	83	67959	5.282	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	75833	5.367	ug/L	99
40) 4-Methyl-2-pentanone	7.48	43	320061	51.573	ug/L	99
42) Toluene	7.64	91	215443	5.368	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	61298	5.419	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	37437	5.289	ug/L	97
47) Tetrachloroethene	8.23	164	47399	5.379	ug/L	98
48) 2-Hexanone	8.38	43	235426	53.679	ug/L	99
49) Dibromochloromethane	8.48	129	46975	5.385	ug/L	99
50) 1,2-Dibromoethane	8.59	107	34827	5.262	ug/L	99
51) Chlorobenzene	9.12	112	137284	5.092	ug/L	100
52) Ethylbenzene	9.25	91	211348	5.263	ug/L	100
53) m,p-xylene	9.38	106	85722	5.573	ug/L	98
54) o-xylene	9.78	106	78097	5.308	ug/L	100
55) Styrene	9.79	104	150649	5.823	ug/L	99
56) Isopropylbenzene	10.17	105	204183	5.318	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	45575	5.145	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	32529	5.252	ug/L	100
61) Bromoform	9.96	173	26498	4.955	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	104123	5.132	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	115438	5.021	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	110037	5.190	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	6915	5.139	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	88896	5.249	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	72135	5.215	ug/L	97
69) Naphthalene	13.75	128	98448	4.951	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	70983	5.395	ug/L	99

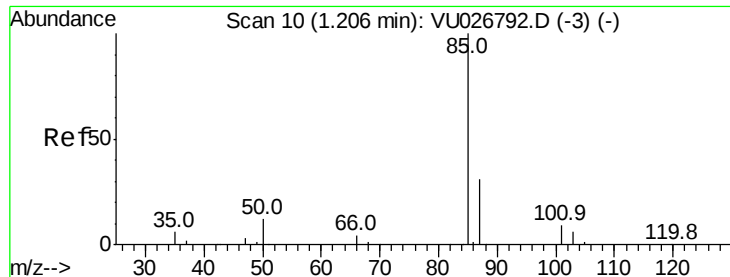
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.934 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

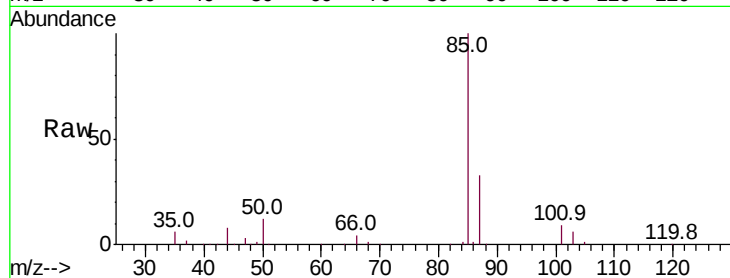
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 67254

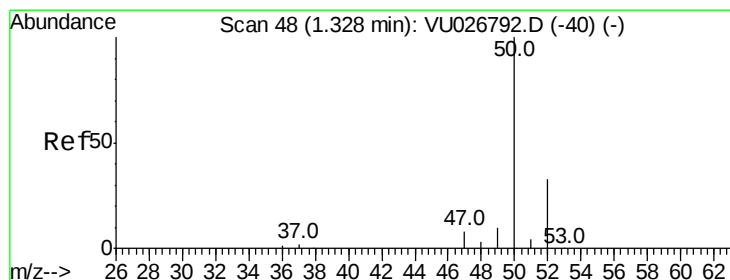
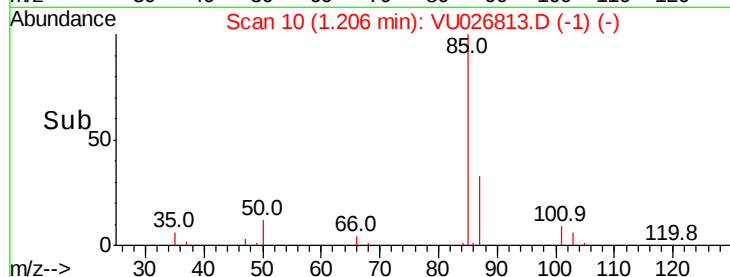
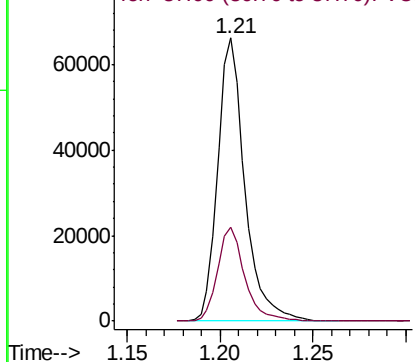
Ion Ratio Lower Upper

85 100

87 33.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.005 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU026813.D

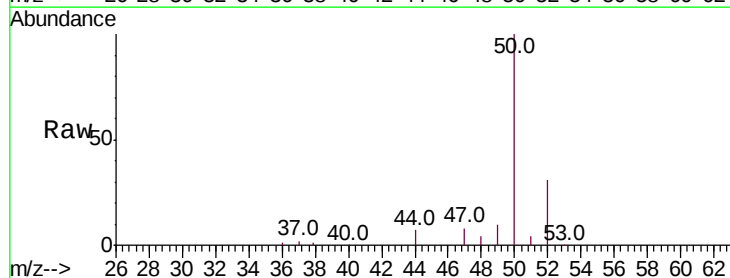
Acq: 17 Sep 2018 09:37

Tgt Ion: 50 Resp: 67450

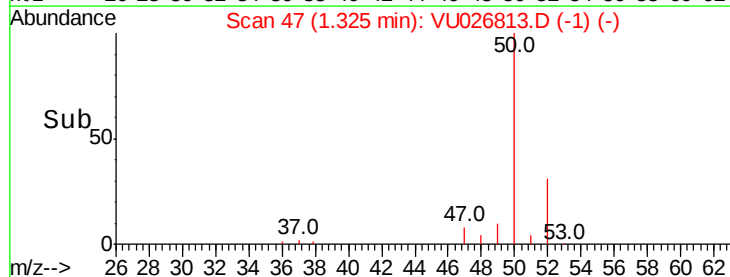
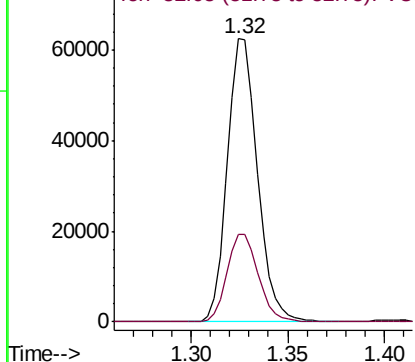
Ion Ratio Lower Upper

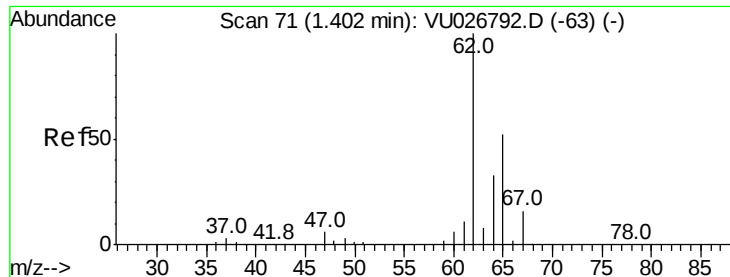
50 100

52 31.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.839 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

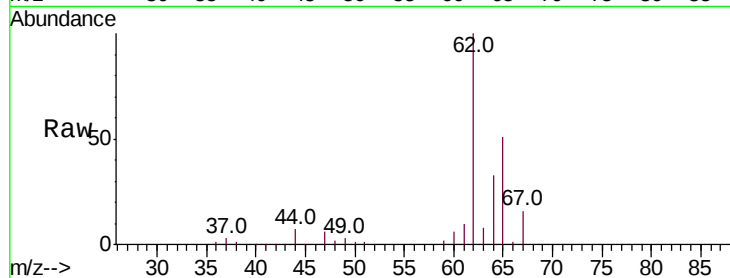
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 66918

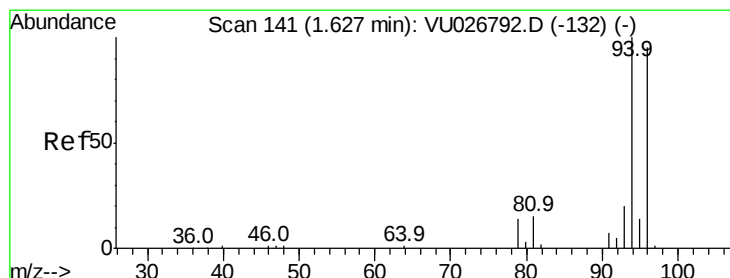
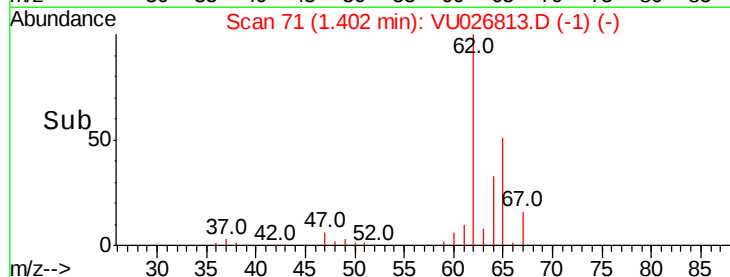
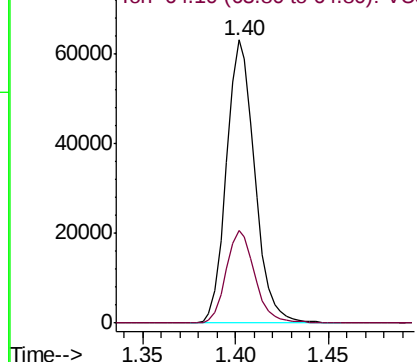
Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.213 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU026813.D

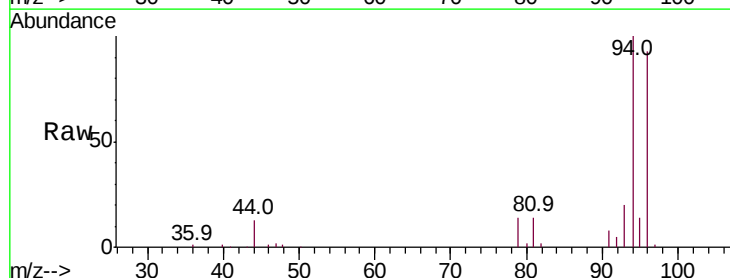
Acq: 17 Sep 2018 09:37

Tgt Ion: 94 Resp: 28962

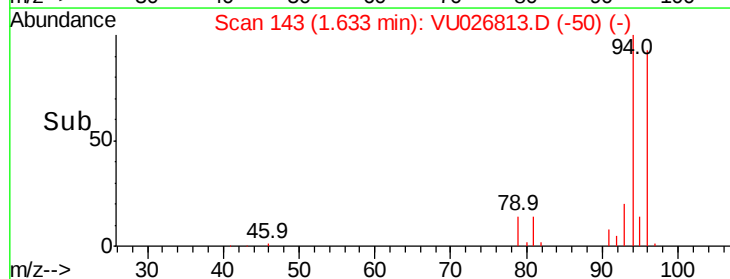
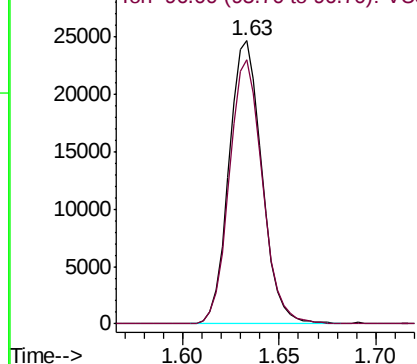
Ion Ratio Lower Upper

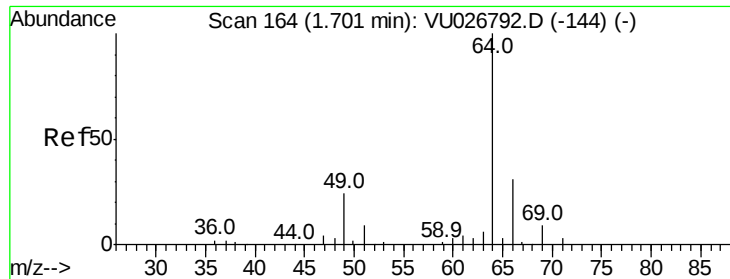
94 100

96 93.4 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.847 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

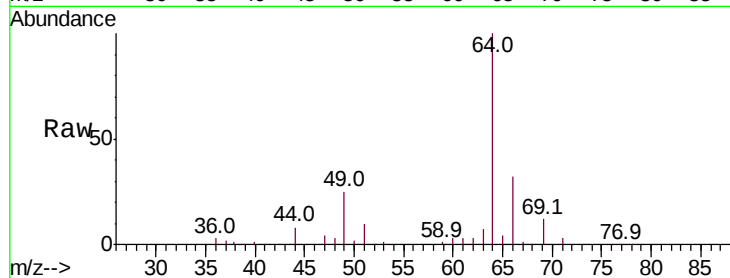
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 42346

Ion Ratio Lower Upper

64 100

66 32.2 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VU026792.D (-144) (-)

Ion 66.05 (65.75 to 66.75): VU026792.D (-144) (-)

1.70

30000

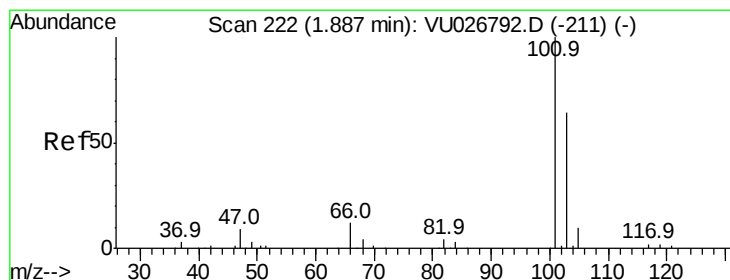
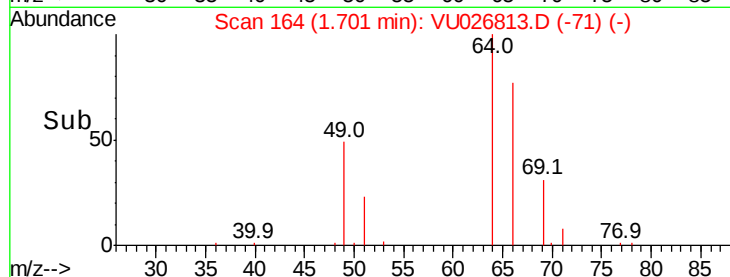
20000

10000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 5.108 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026813.D

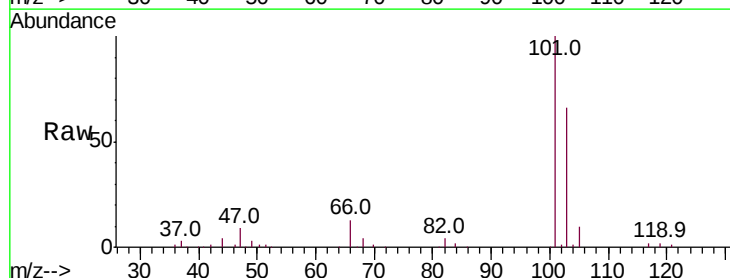
Acq: 17 Sep 2018 09:37

Tgt Ion: 101 Resp: 88157

Ion Ratio Lower Upper

101 100

103 64.6 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU026792.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026792.D (-211) (-)

1.89

60000

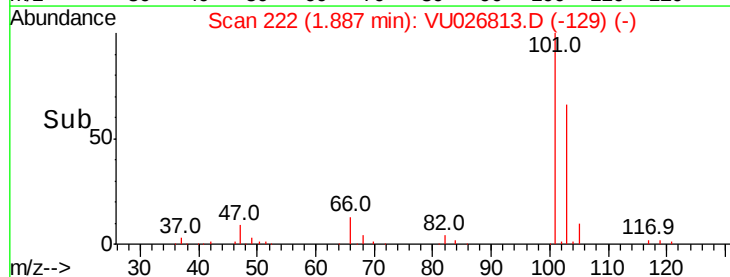
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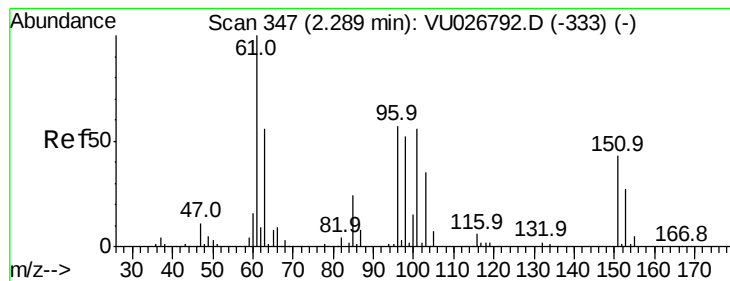
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 5.292 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampled :

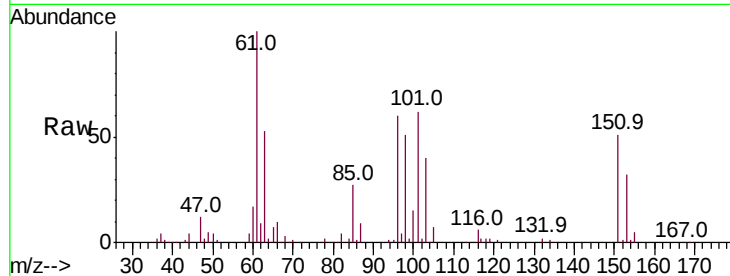
Tot Ion:101 Resp: 52730

Ion Ratio Lower Upper

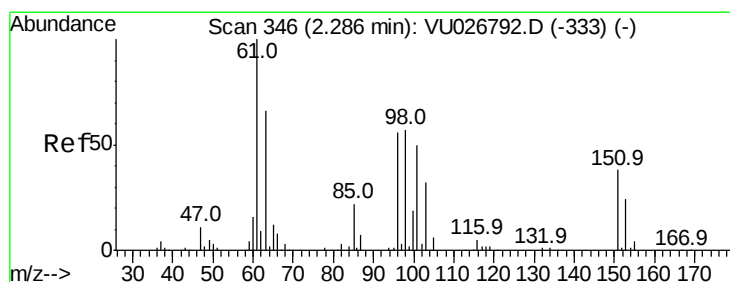
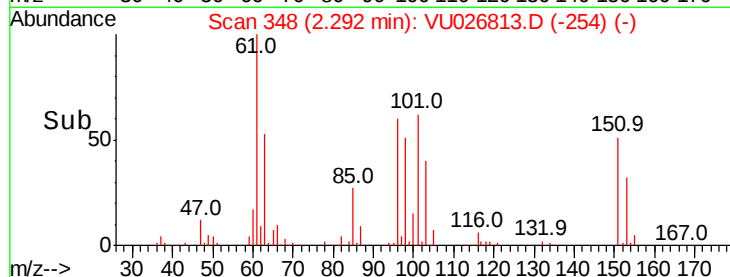
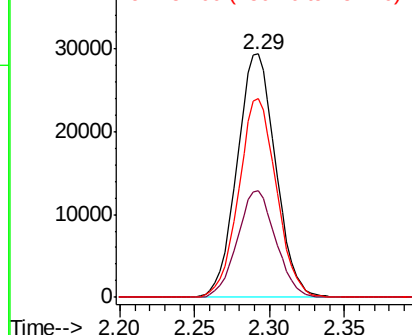
101 100

85 43.3 35.1 52.7

151 79.8 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.185 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

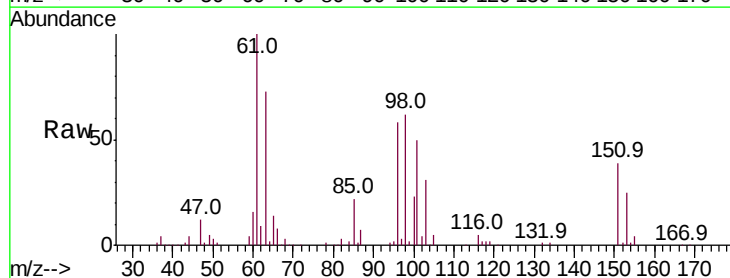
Tgt Ion: 96 Resp: 48688

Ion Ratio Lower Upper

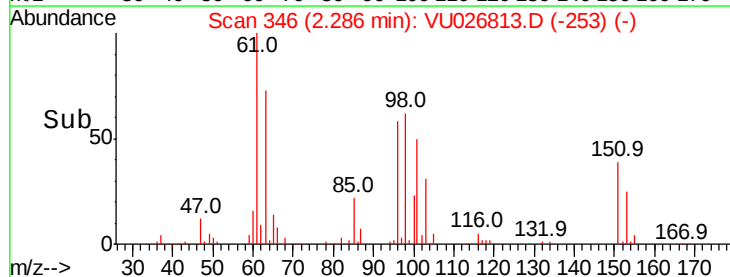
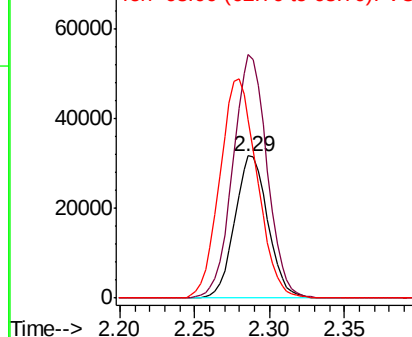
96 100

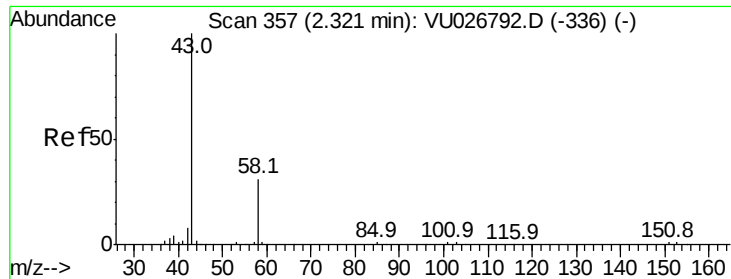
61 171.0 126.6 235.2

63 125.0 91.3 169.5



Abundance Ion 96.00 (95.70 to 96.70): VU
Ion 61.05 (60.75 to 61.75): VU
Ion 63.00 (62.70 to 63.70): VU





#13

Acetone

Concen: 48.647 ug/L

RT: 2.34 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

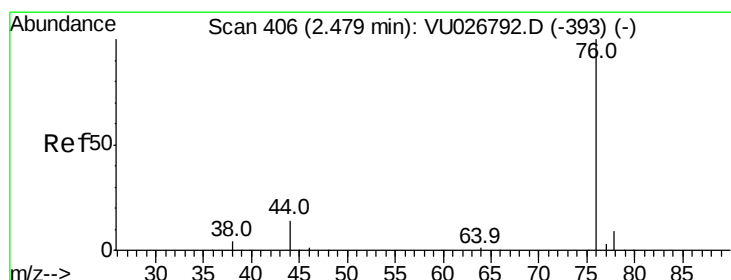
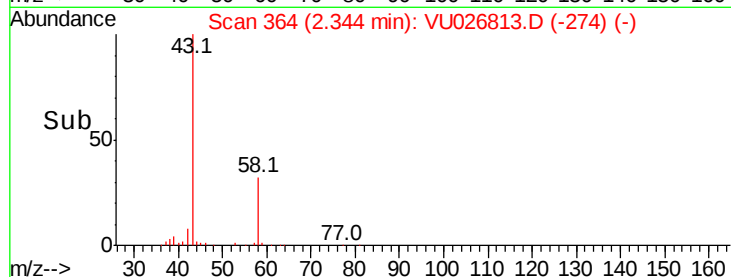
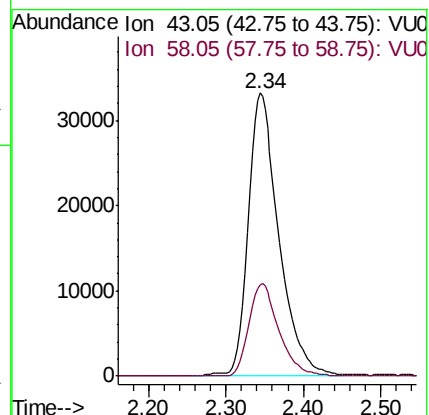
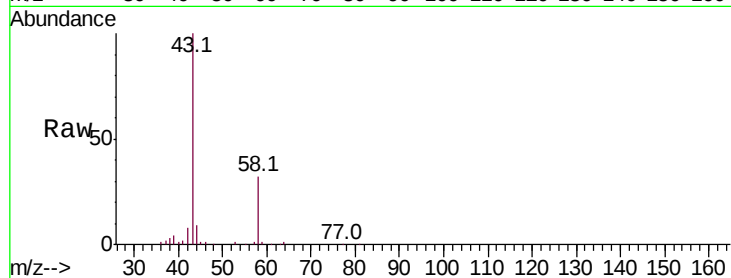
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 91369

Ion Ratio Lower Upper

43 100

58 32.1 0.0 63.0



#14

Carbon disulfide

Concen: 5.269 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

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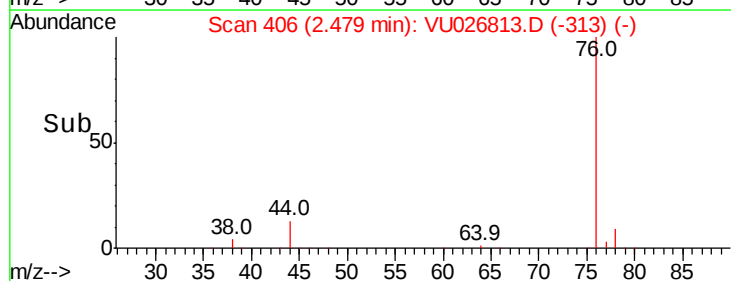
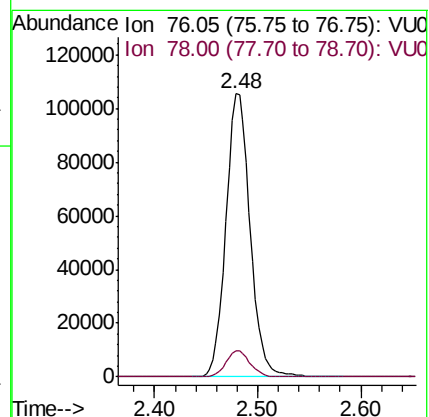
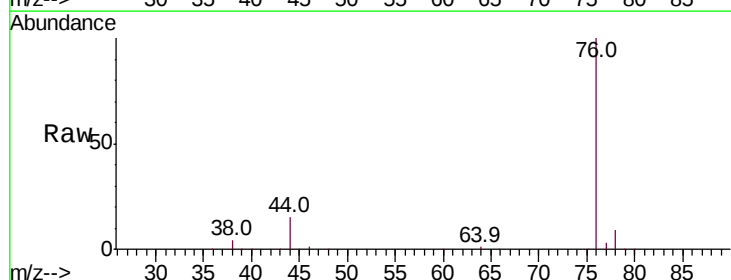
Acq: 17 Sep 2018 09:37

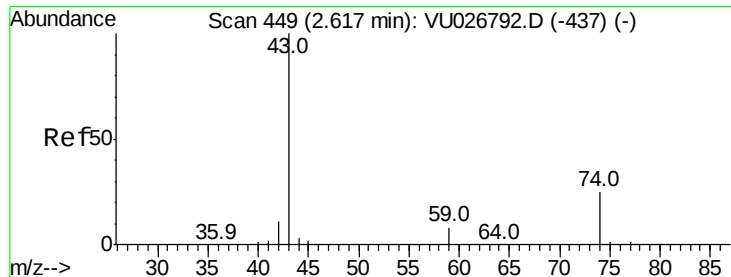
Tgt Ion: 76 Resp: 172108

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

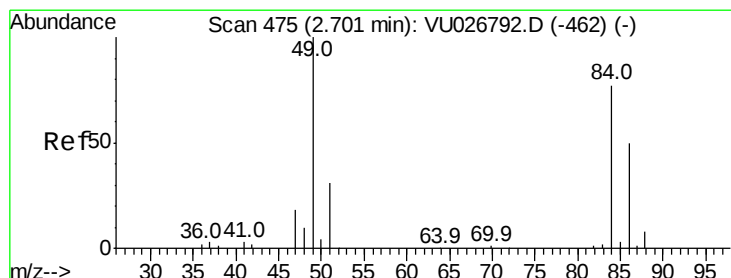
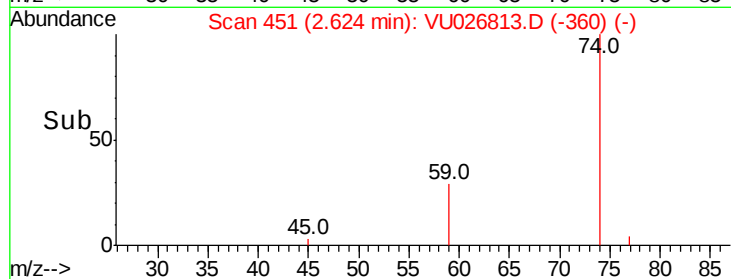
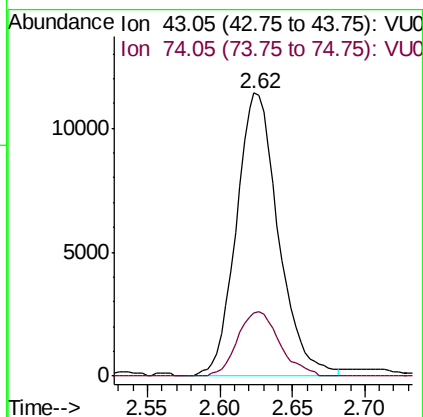
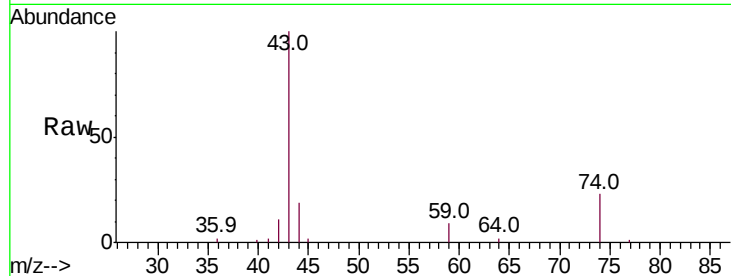




#15
Methyl Acetate
Concen: 4.681 ug/L
RT: 2.62 min Scan# 451
Delta R.T. -0.01 min
Lab File: VU026813.D
Acq: 17 Sep 2018 09:37

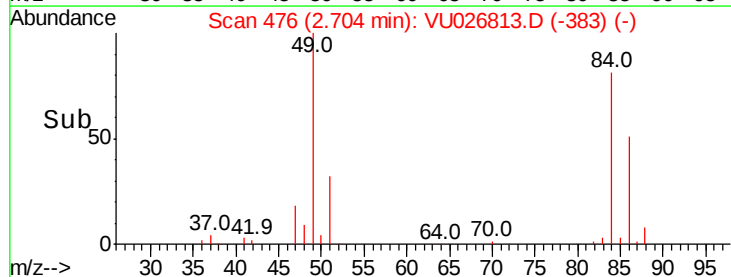
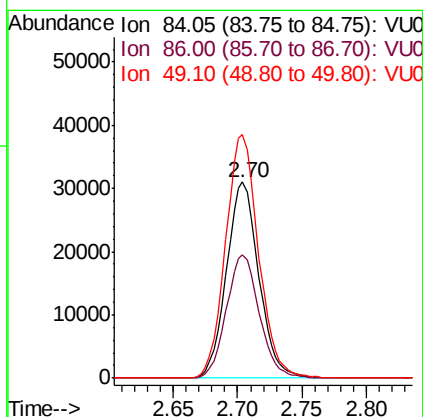
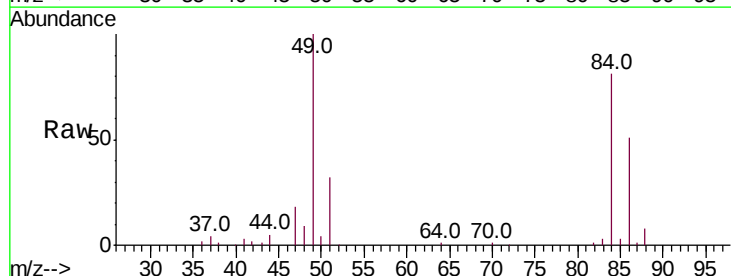
Instrument :
MSVOA_U
ClientSampleId :

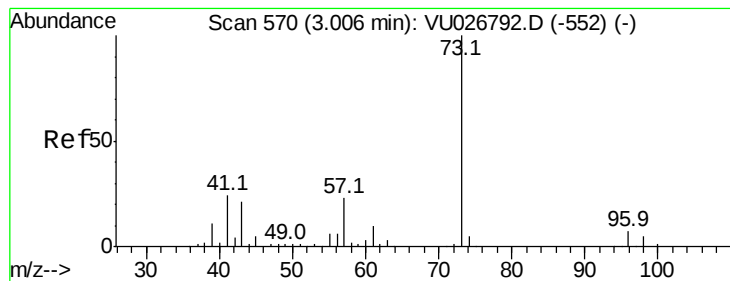
Tot Ion: 43 Resp: 23066
Ion Ratio Lower Upper
43 100
74 22.7 18.5 27.7



#16
Methylene chloride
Concen: 4.732 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026813.D
Acq: 17 Sep 2018 09:37

Tgt Ion: 84 Resp: 54021
Ion Ratio Lower Upper
84 100
86 62.8 46.1 85.5
49 124.2 92.1 171.1



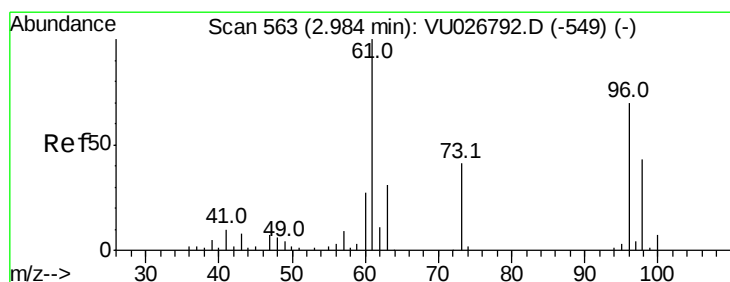
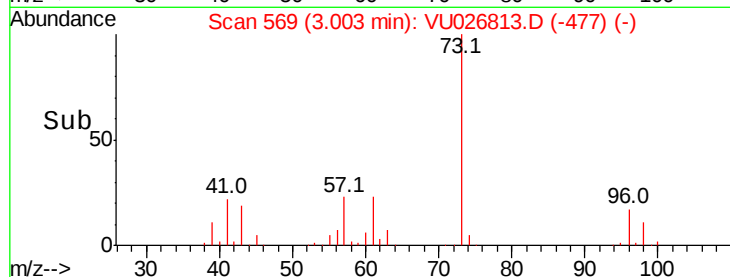
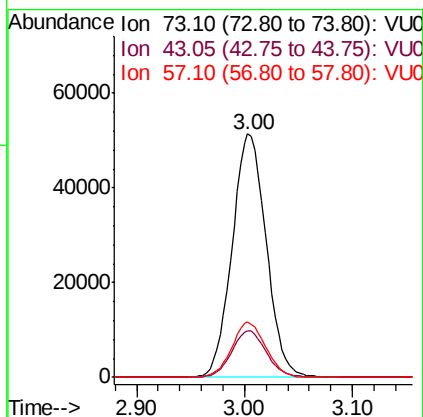
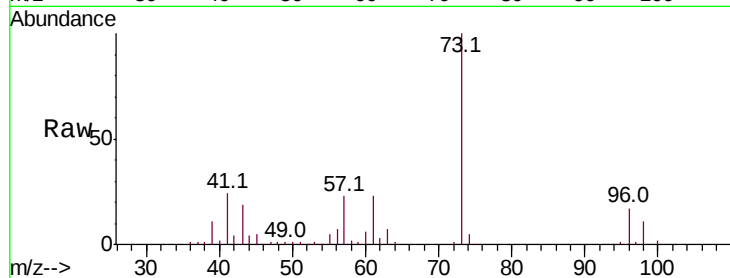


#17

Methvl tert-butvl Ether
 Concen: 4.983 ug/L
 RT: 3.00 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Instrument :
 MSVOA_U
 ClientSampleId :

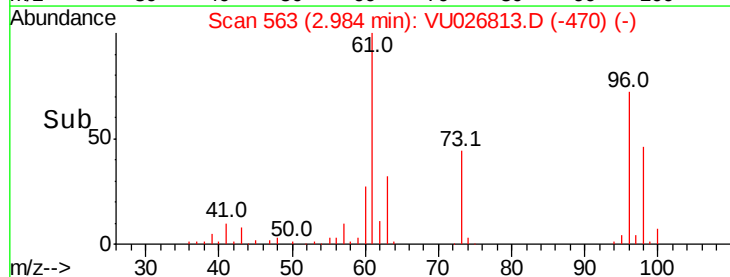
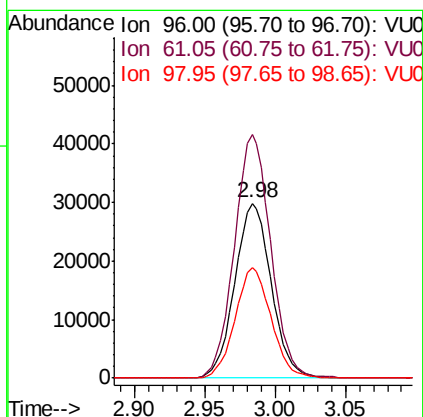
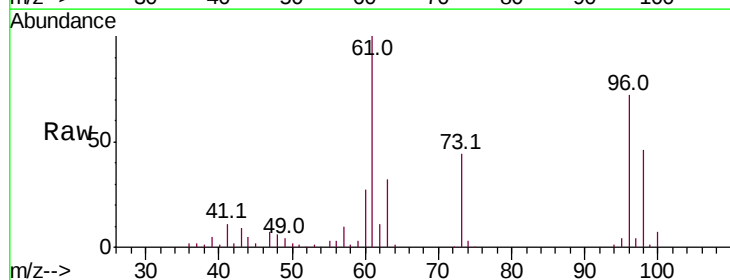
Tot Ion: 73 Resp: 113042
 Ion Ratio Lower Upper
 73 100
 43 19.7 16.0 24.0
 57 22.5 18.2 27.4

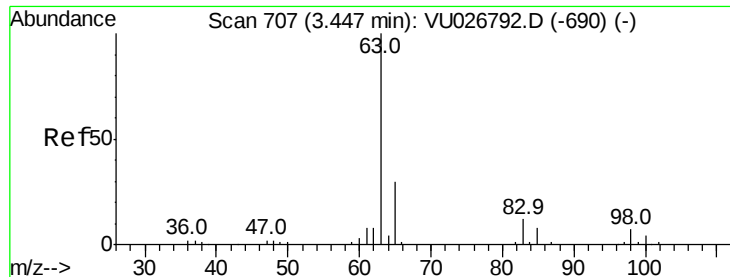


#18

trans-1,2-Dichloroethene
 Concen: 5.245 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Tgt Ion: 96 Resp: 54090
 Ion Ratio Lower Upper
 96 100
 61 139.5 99.0 183.8
 98 63.5 43.1 80.1



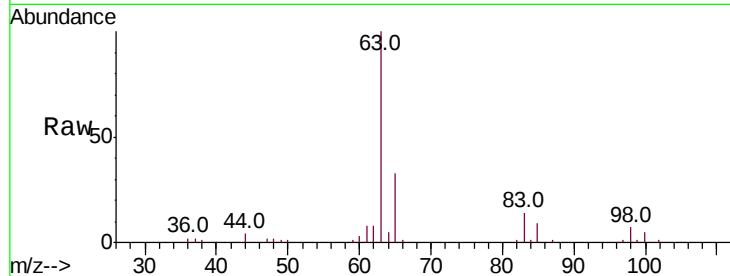


#19
 1,1-Dichloroethane
 Concen: 4.991 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

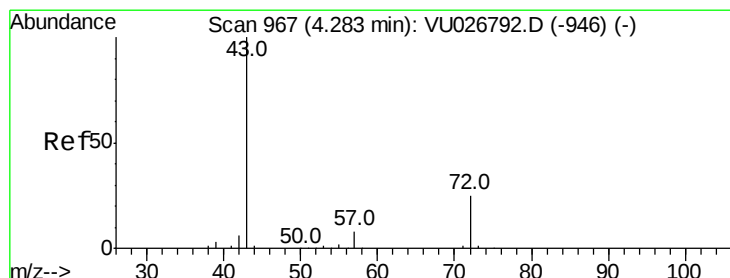
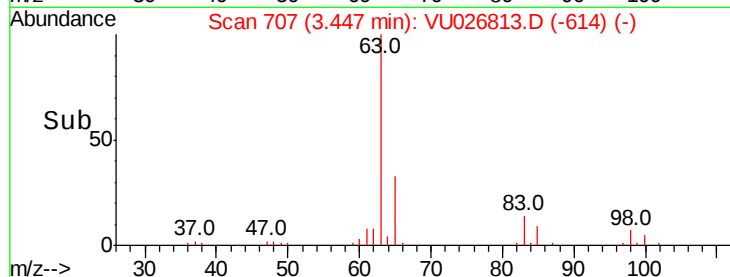
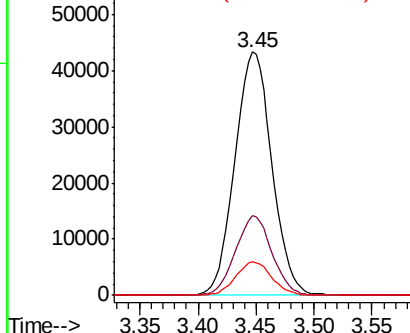
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 96037

Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.7	40.3
83	13.6	9.0	16.6



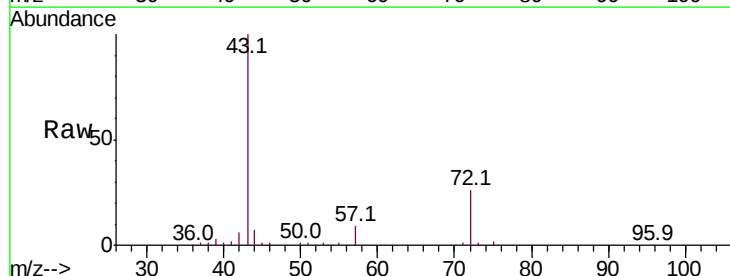
Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0



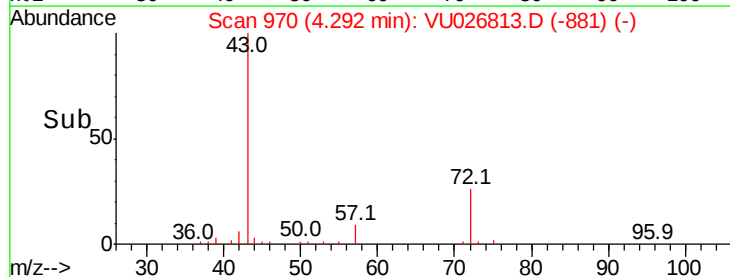
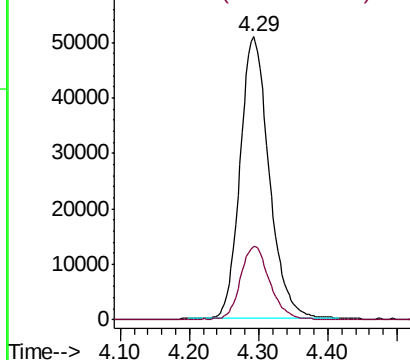
#21
 2-Butanone
 Concen: 47.890 ug/L
 RT: 4.29 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

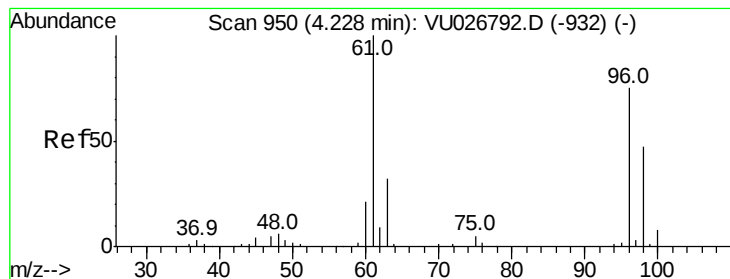
Tgt Ion: 43 Resp: 148614

Ion	Ratio	Lower	Upper
43	100		
72	26.4	12.6	37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



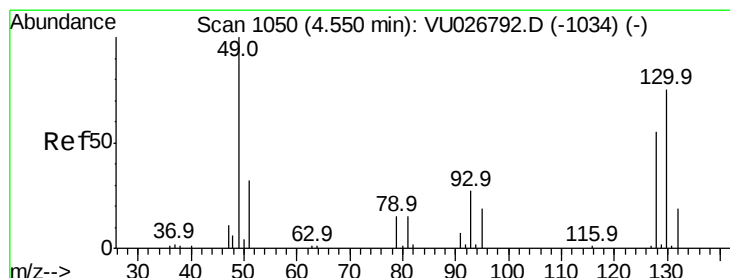
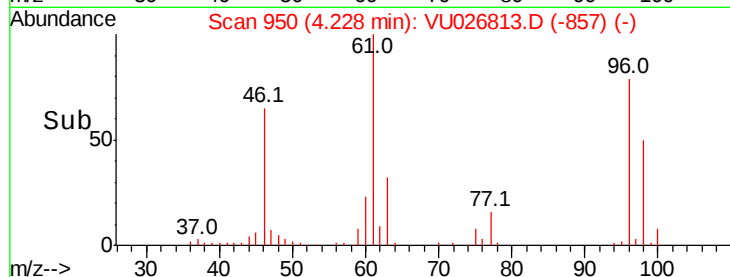
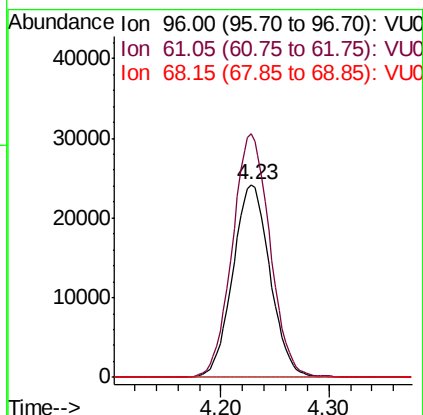
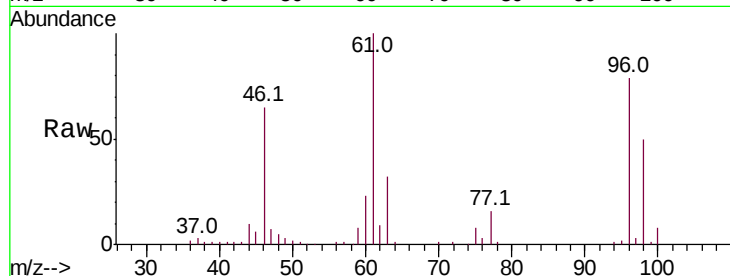


#22

cis-1,2-Dichloroethene
Concen: 5.213 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU026813.D
Acq: 17 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampleId :

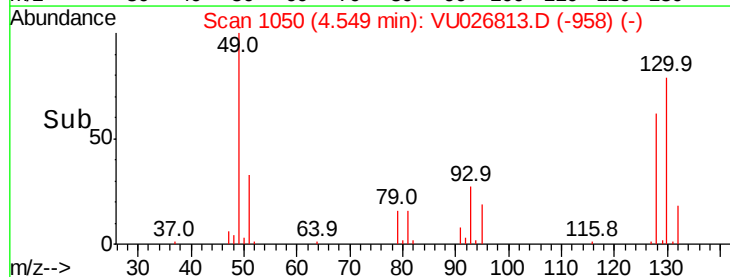
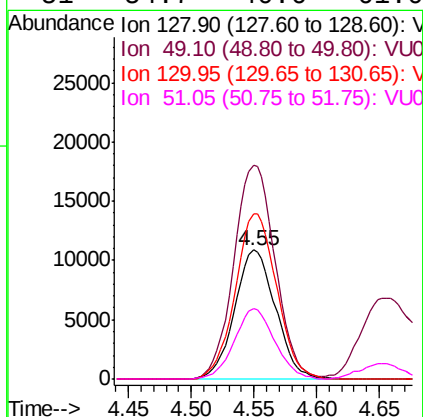
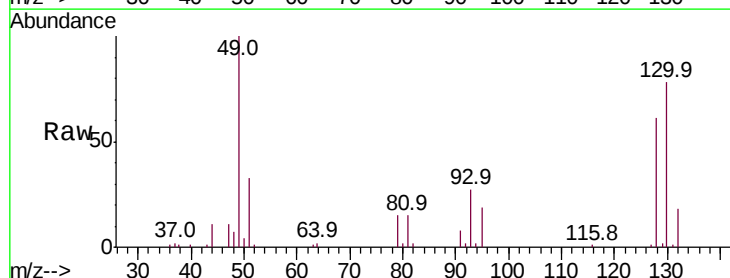
Tot Ion: 96 Resp: 58128
Ion Ratio Lower Upper
96 100
61 126.3 94.4 175.2
68 0.0 0.0 0.0

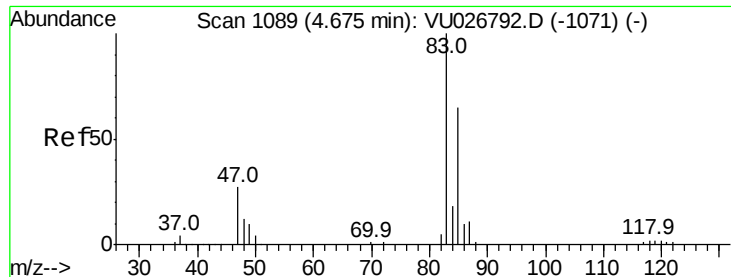


#23

Bromochloromethane
Concen: 5.182 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU026813.D
Acq: 17 Sep 2018 09:37

Tgt Ion: 128 Resp: 24590
Ion Ratio Lower Upper
128 100
49 165.3 115.0 213.6
130 128.1 87.2 161.9
51 54.7 40.6 61.0





#25

Chloroform

Concen: 5.118 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

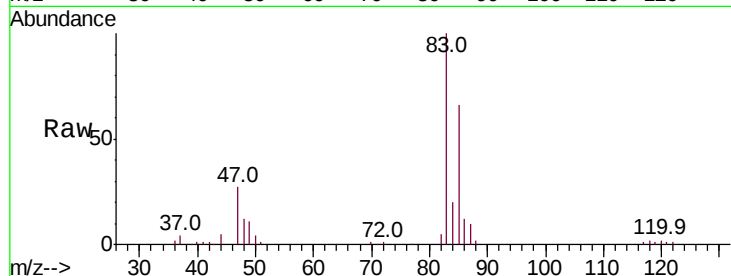
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 94955

Ion Ratio Lower Upper

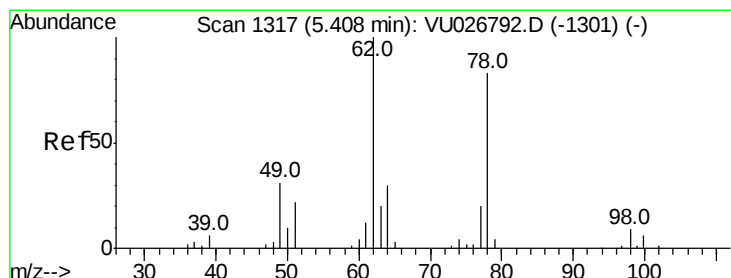
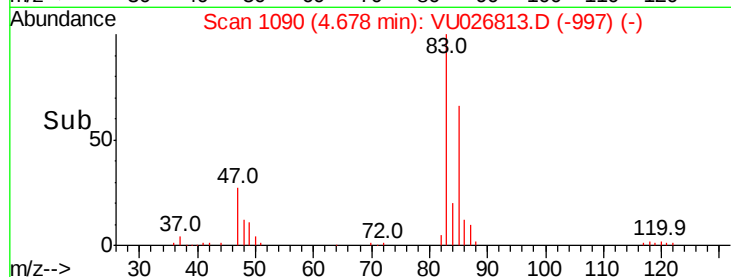
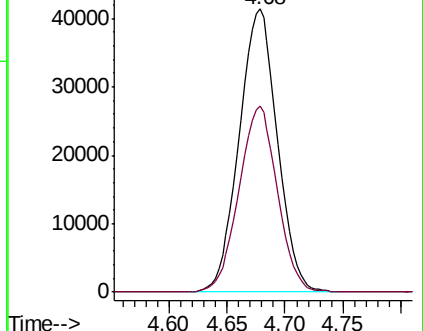
83 100

85 65.9 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VU026792.D (-1071) (-)

Ion 85.00 (84.70 to 85.70): VU026792.D (-1071) (-)



#27

1,2-Dichloroethane

Concen: 5.081 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU026813.D

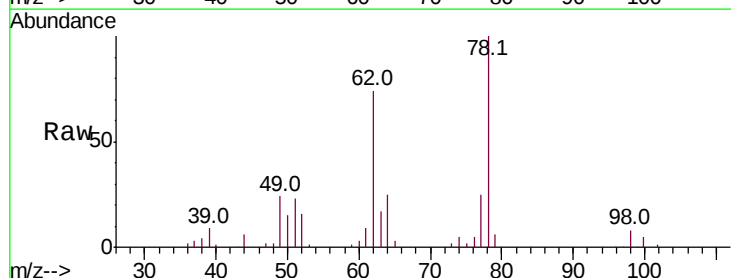
Acq: 17 Sep 2018 09:37

Tgt Ion: 62 Resp: 60697

Ion Ratio Lower Upper

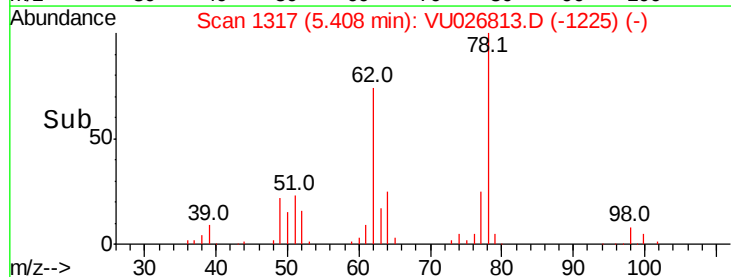
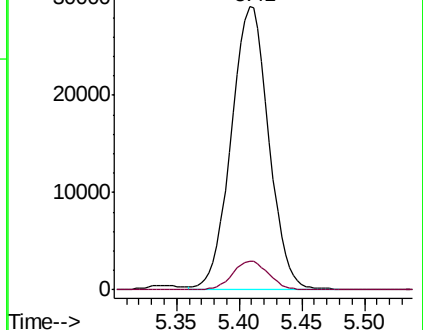
62 100

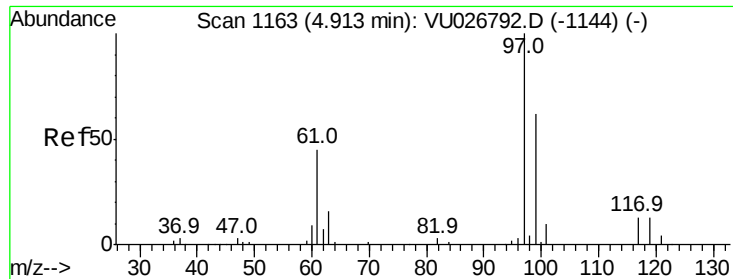
98 10.3 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU026792.D (-1301) (-)

Ion 98.05 (97.75 to 98.75): VU026792.D (-1301) (-)

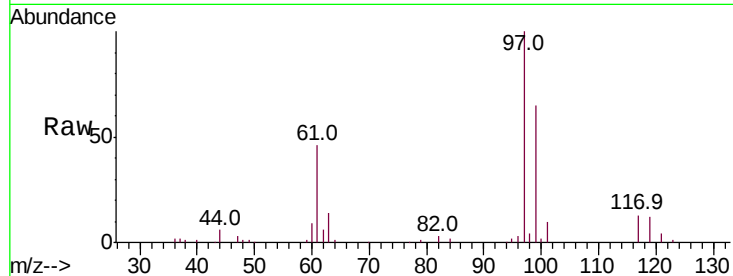




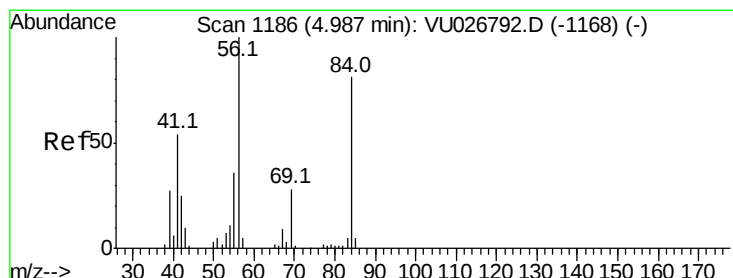
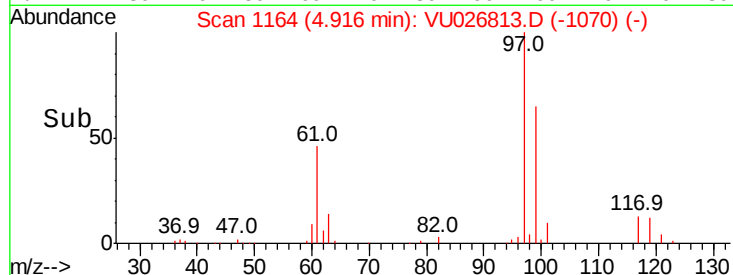
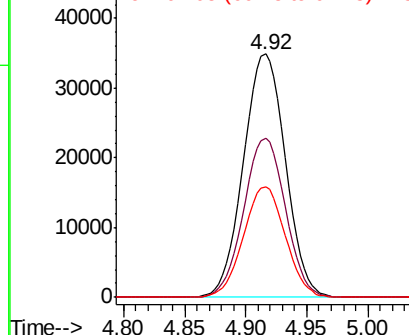
#29
 1,1,1-Trichloroethane
 Concen: 5.456 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 83249
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.5 77.3
 61 45.4 36.6 54.8

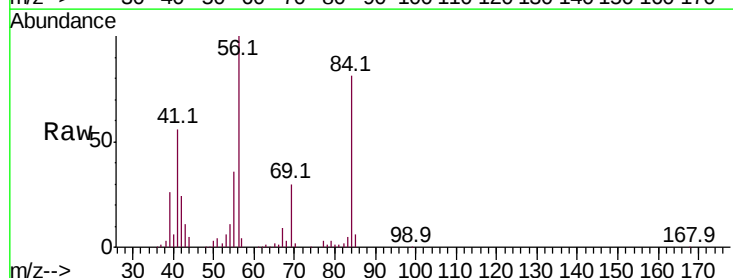


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

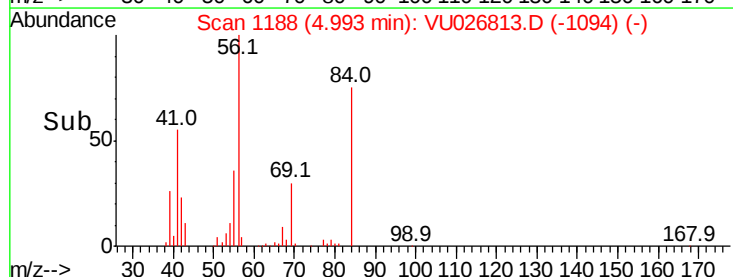
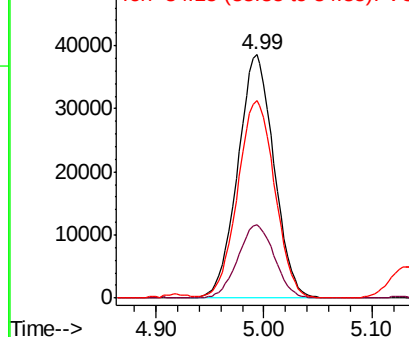


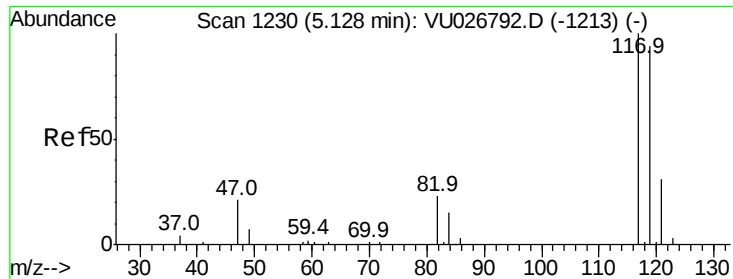
#30
 Cyclohexane
 Concen: 5.240 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Tgt Ion: 56 Resp: 90101
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.9 35.9
 84 83.3 66.6 100.0



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

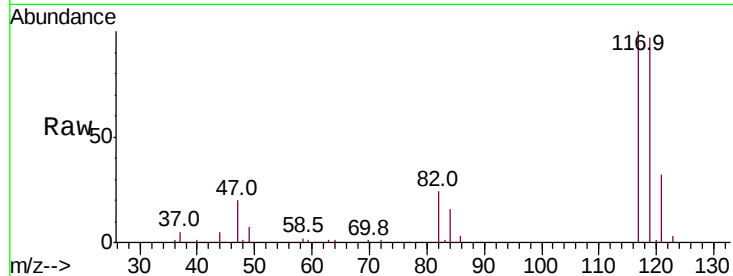




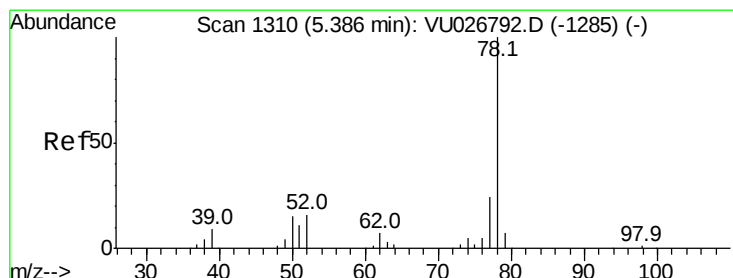
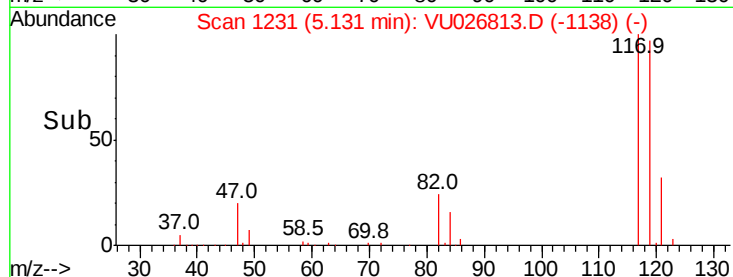
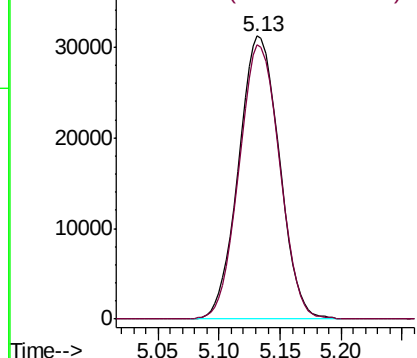
#31
Carbon tetrachloride
Concen: 5.366 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU026813.D
Acq: 17 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 72021
Ion Ratio Lower Upper
117 100
119 96.5 76.9 115.3

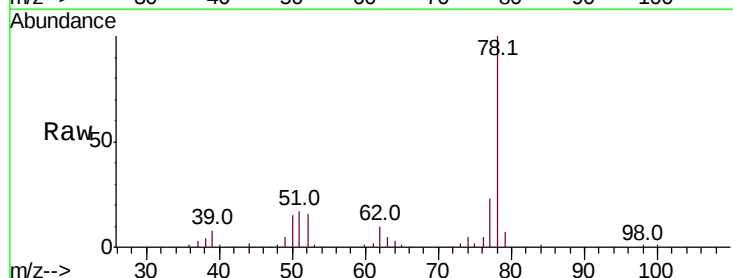


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

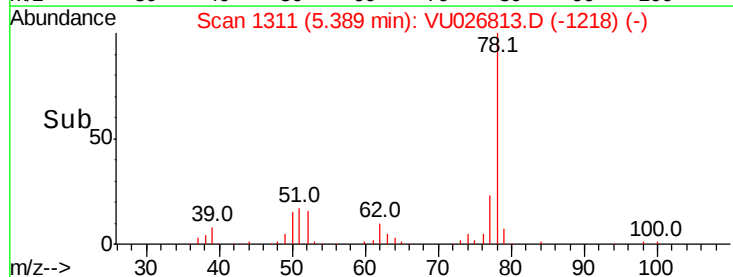
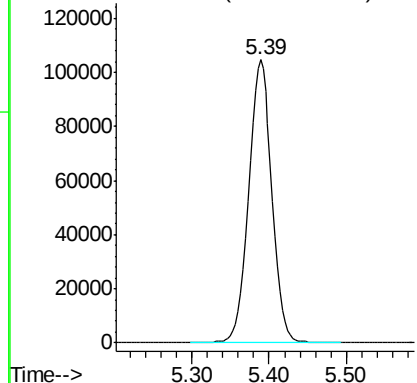


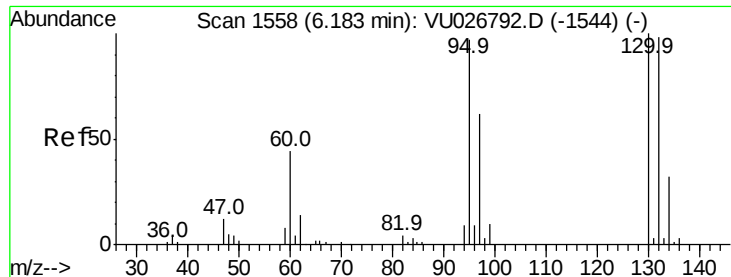
#33
Benzene
Concen: 5.519 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU026813.D
Acq: 17 Sep 2018 09:37

Tgt Ion: 78 Resp: 218763



Abundance Ion 78.10 (77.80 to 78.80): VU0

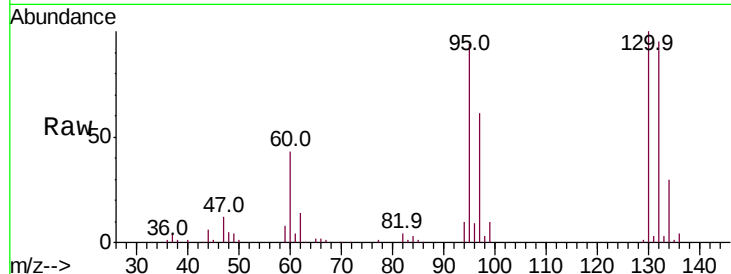




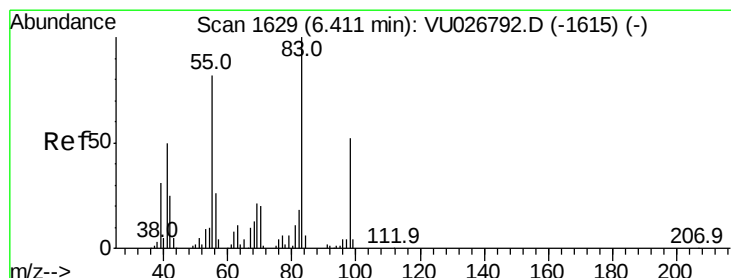
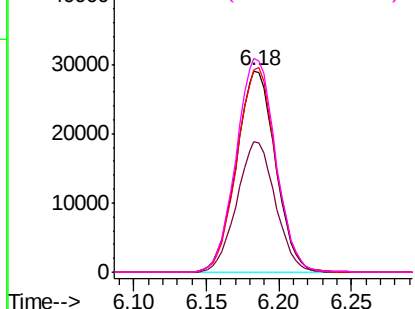
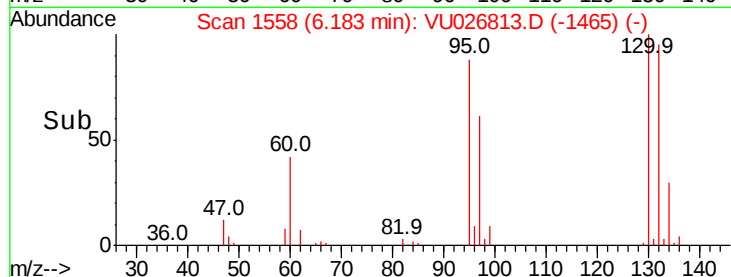
#34
 Trichloroethene
 Concen: 5.394 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 54520
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.1 83.9
 132 100.7 72.0 133.8
 130 106.3 73.1 135.7

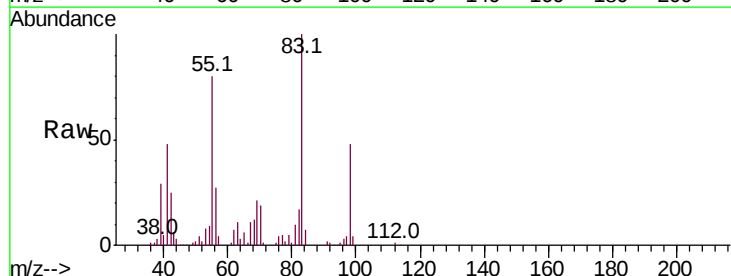


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

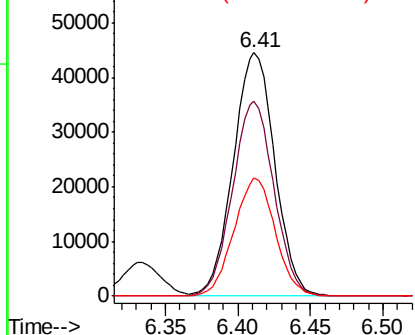
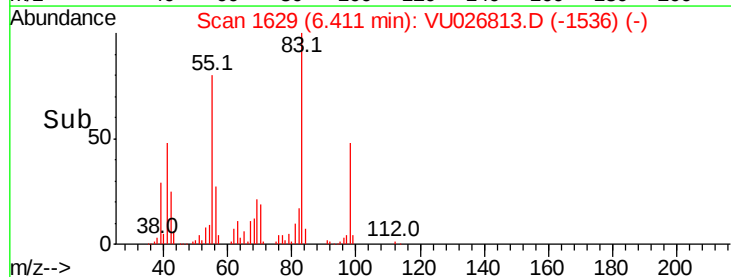


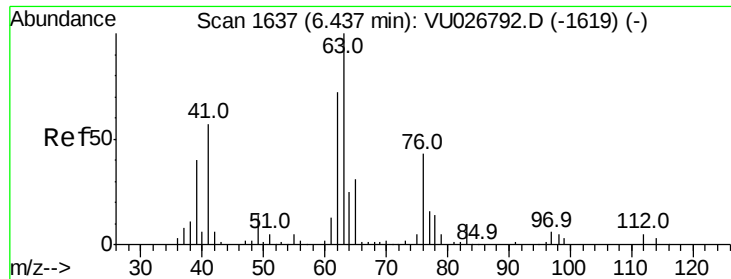
#35
 Methylcyclohexane
 Concen: 5.400 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Tgt Ion: 83 Resp: 88705
 Ion Ratio Lower Upper
 83 100
 55 79.9 64.9 97.3
 98 48.3 39.3 58.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

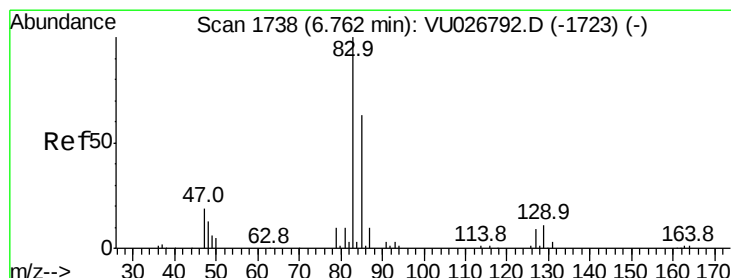
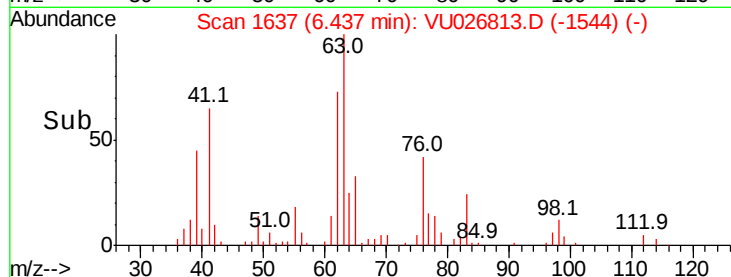
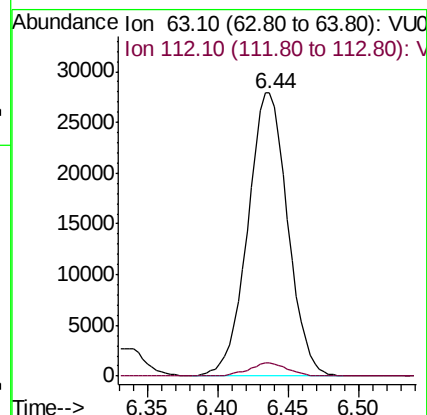
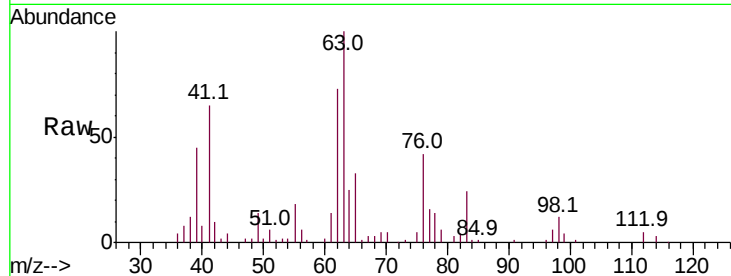




#37
 1,2-Dichloropropane
 Concen: 5.251 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

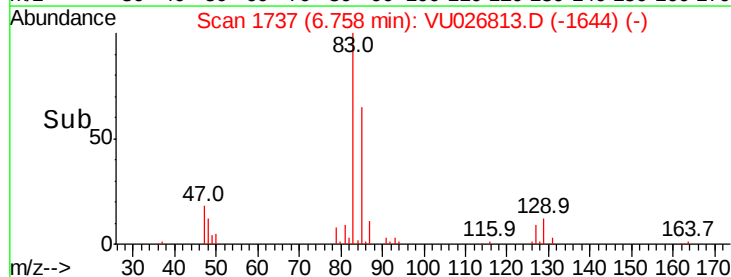
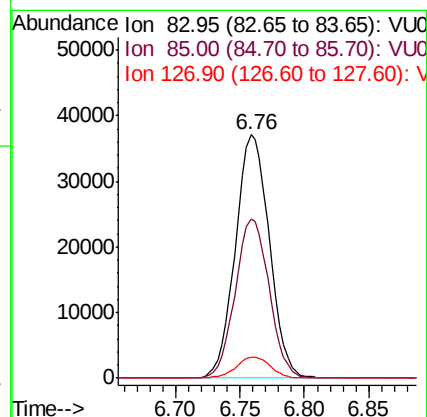
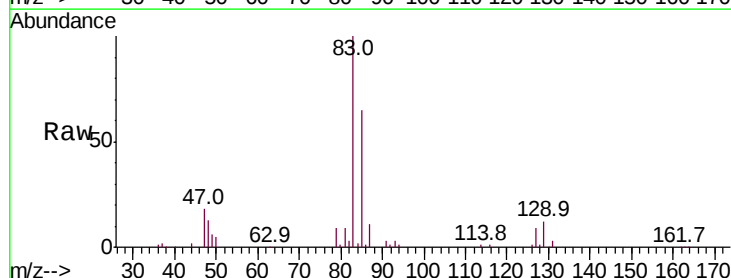
Instrument :
 MSVOA_U
 ClientSampleId :

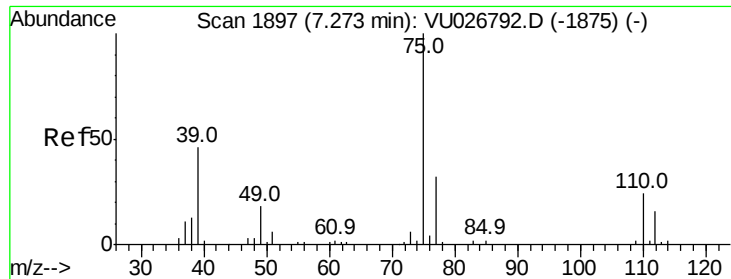
Tot Ion: 63 Resp: 55303
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.282 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Tgt Ion: 83 Resp: 67959
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.8 85.0
 127 8.8 6.6 10.0

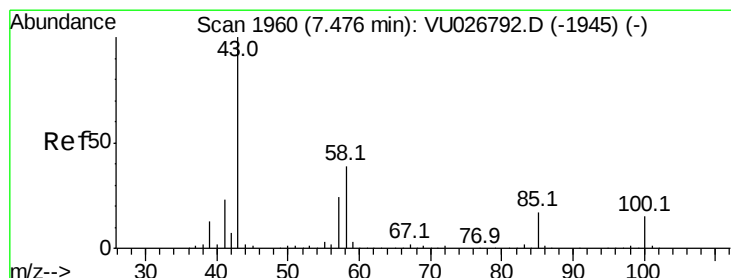
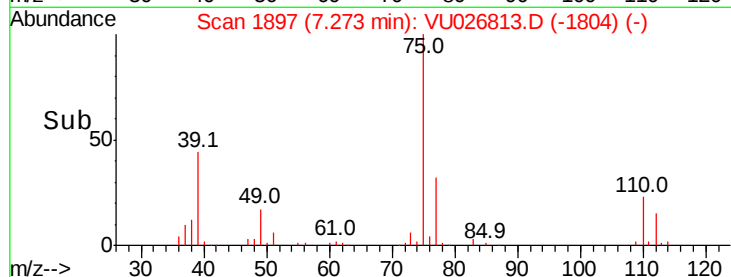
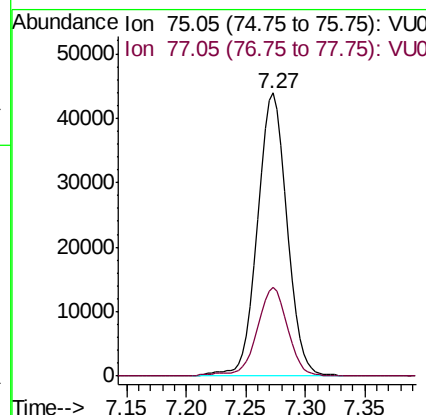
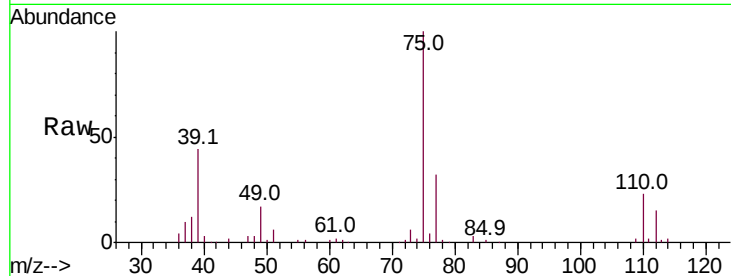




#39
 cis-1,3-Dichloropropene
 Concen: 5.367 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

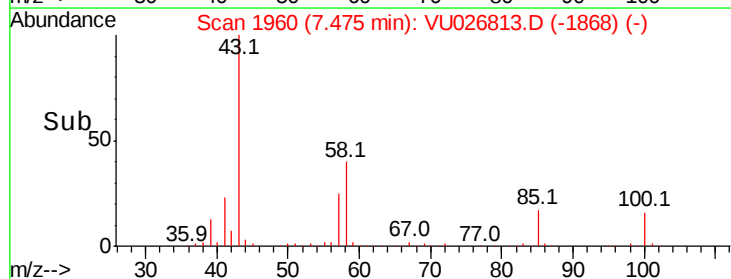
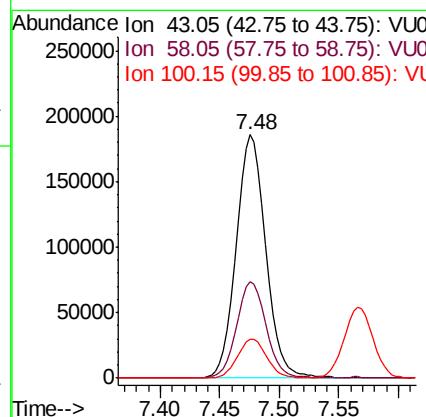
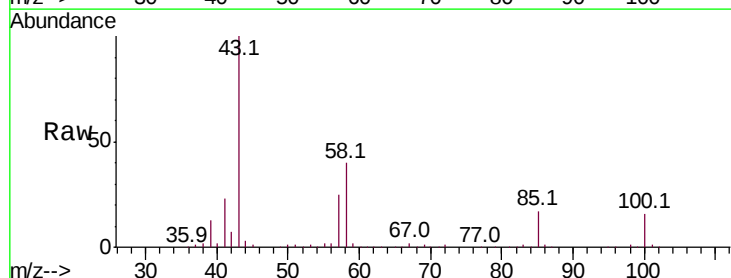
Instrument :
 MSVOA_U
 ClientSampleId :

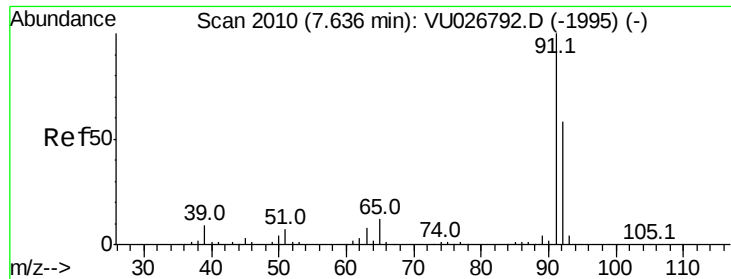
Tot Ion: 75 Resp: 75833
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 51.573 ug/L
 RT: 7.48 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Tgt Ion: 43 Resp: 320061
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.9 46.3
 100 15.9 12.3 18.5





#42

Toluene

Concen: 5.368 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Instrument :

MSVOA_U

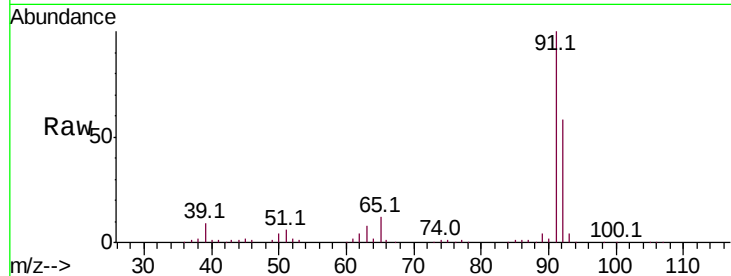
ClientSampleId :

Tot Ion: 91 Resp: 215443

Ion Ratio Lower Upper

91 100

92 58.0 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU026792.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU026792.D (-1995) (-)

7.64

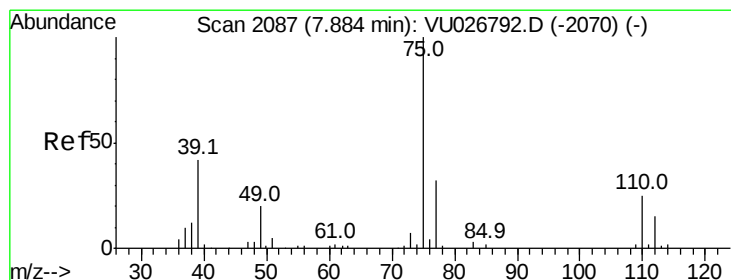
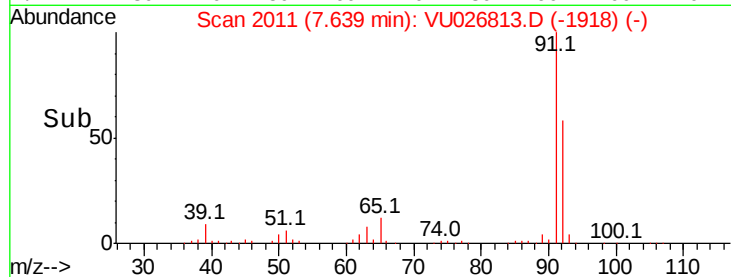
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.419 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026813.D

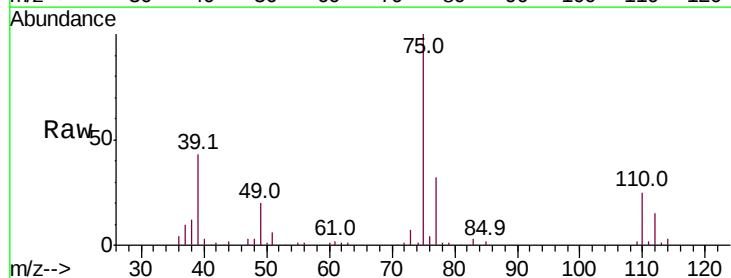
Acq: 17 Sep 2018 09:37

Tgt Ion: 75 Resp: 61298

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU026792.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU026792.D (-2070) (-)

7.88

40000

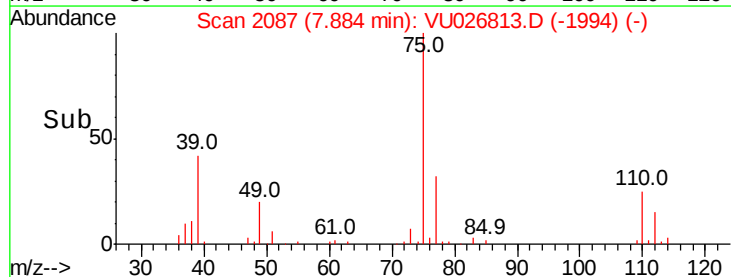
30000

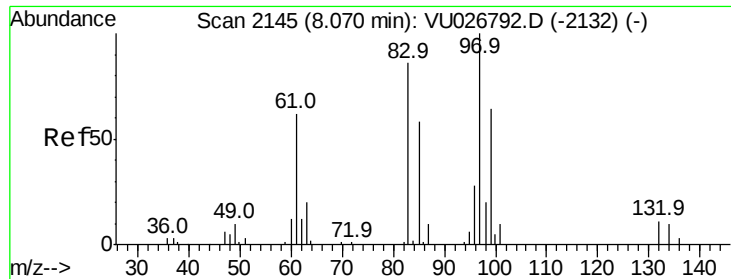
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.289 ug/L

RT: 8.07 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 37437

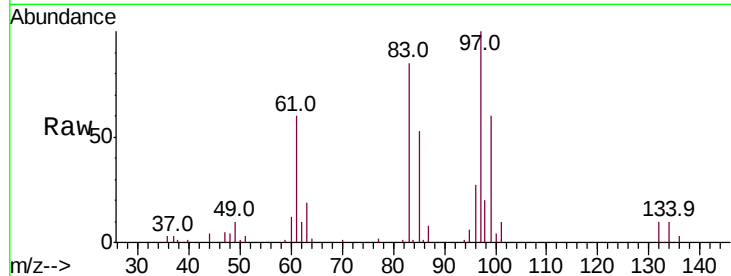
Ion Ratio Lower Upper

97 100

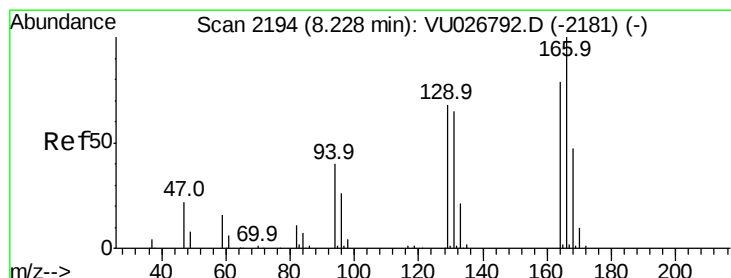
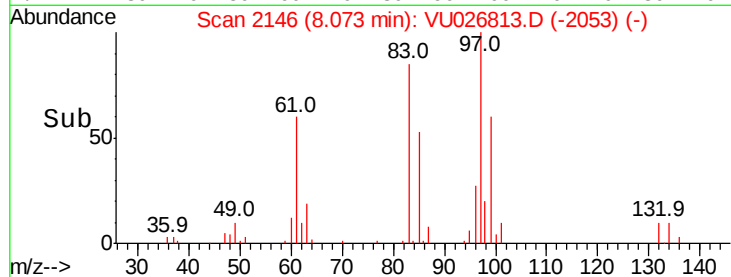
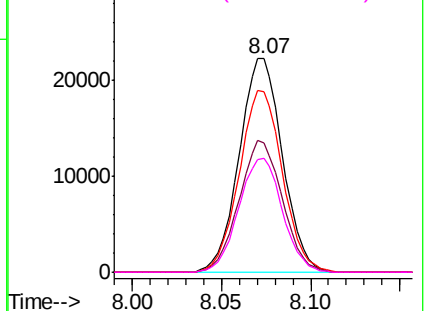
99 60.5 45.0 83.6

83 84.7 60.8 112.8

85 53.2 38.1 70.9



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.379 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Tgt Ion:164 Resp: 47399

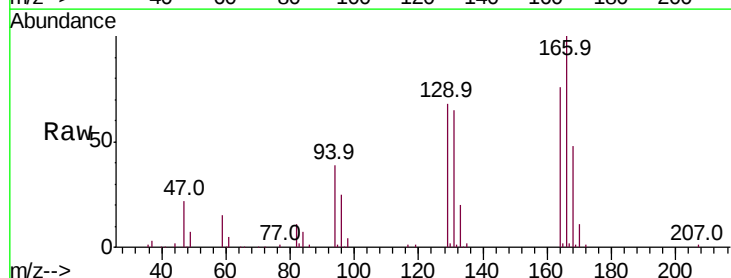
Ion Ratio Lower Upper

164 100

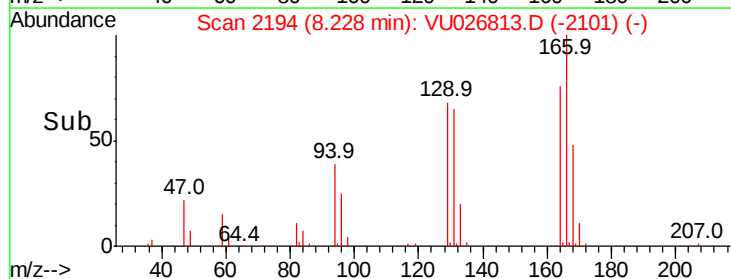
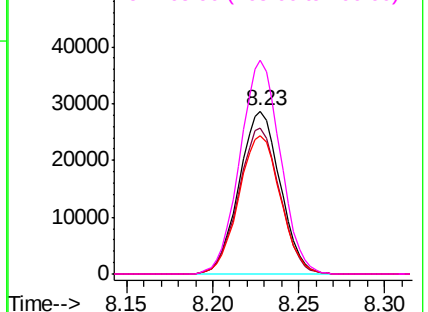
129 89.2 64.8 120.3

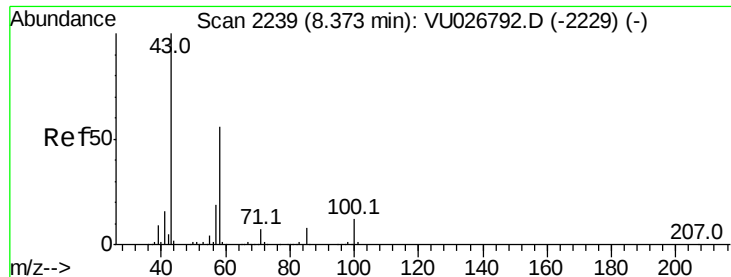
131 84.8 61.4 114.0

166 131.0 92.6 172.0



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

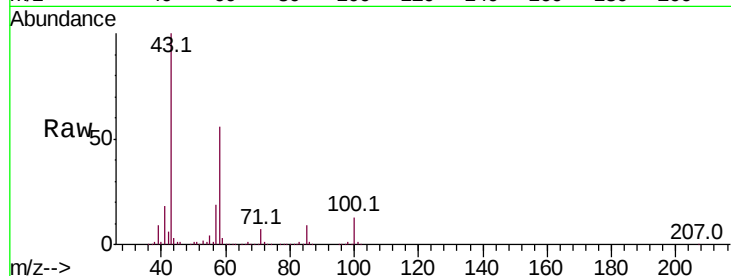




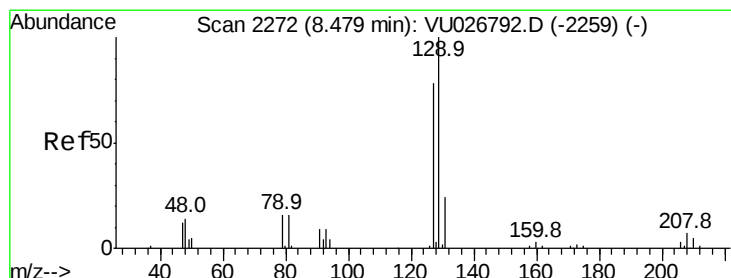
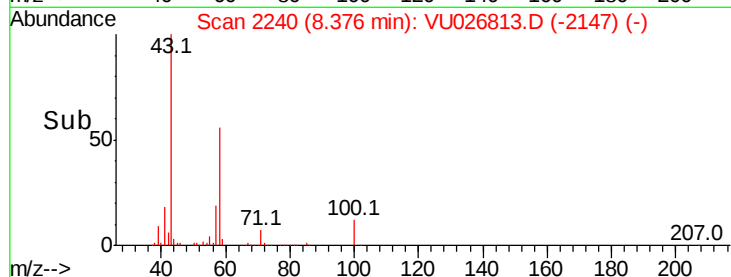
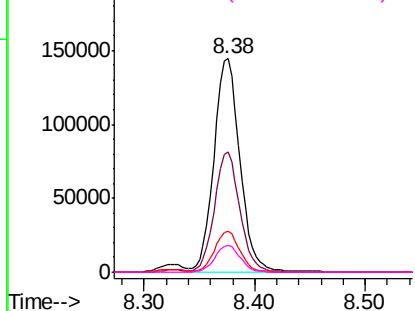
#48
2-Hexanone
Concen: 53.679 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU026813.D
Acq: 17 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 235426
Ion Ratio Lower Upper
43 100
58 55.3 43.7 65.5
57 18.7 15.2 22.8
100 12.6 10.1 15.1

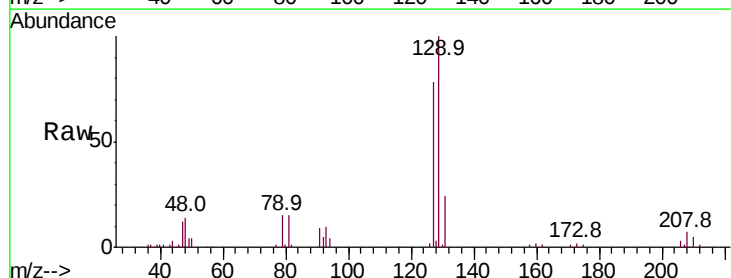


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

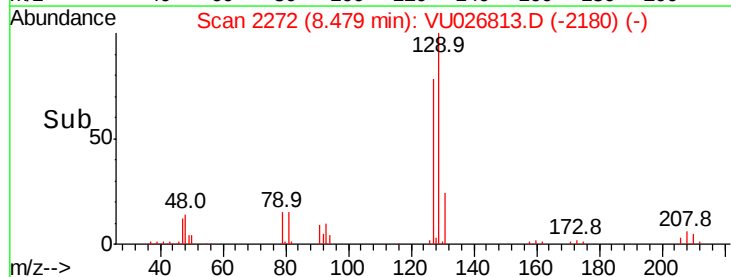
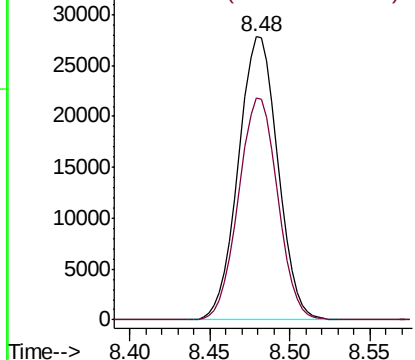


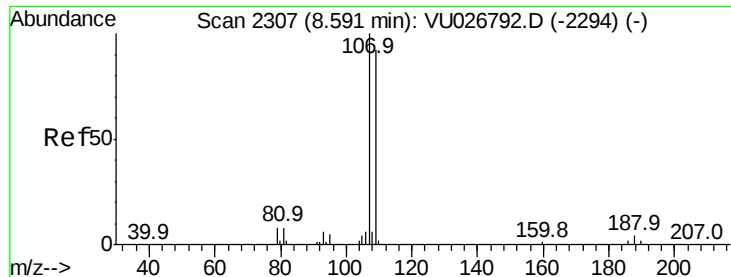
#49
Dibromochloromethane
Concen: 5.385 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026813.D
Acq: 17 Sep 2018 09:37

Tgt Ion: 129 Resp: 46975
Ion Ratio Lower Upper
129 100
127 78.4 55.4 103.0



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





#50

1,2-Dibromoethane

Concen: 5.262 ug/L

RT: 8.59 min Scan# 2307

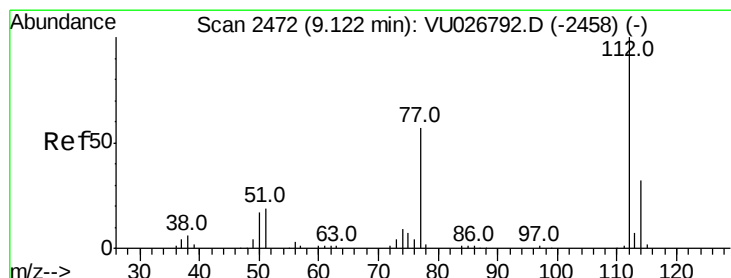
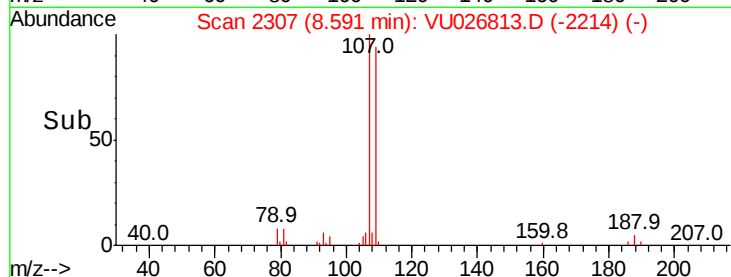
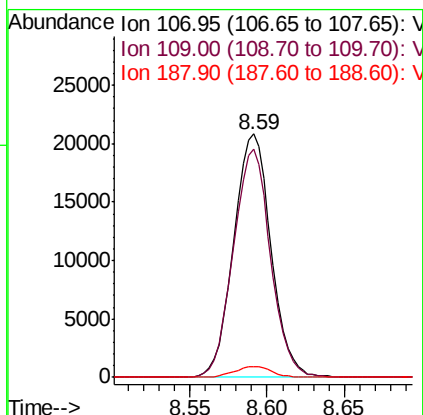
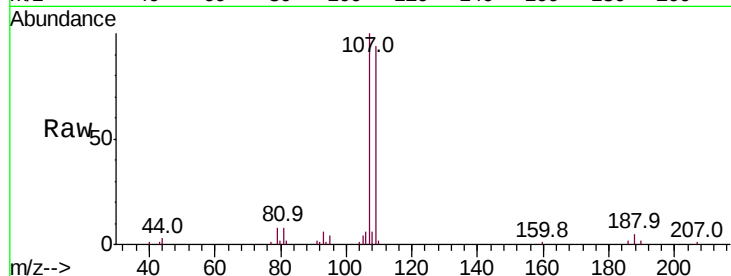
Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	107	Resp:	34827
Ion	Ratio	Lower	Upper
107	100		
109	93.7	66.4	123.2
188	4.5	3.1	4.7



#51

Chlorobenzene

Concen: 5.092 ug/L

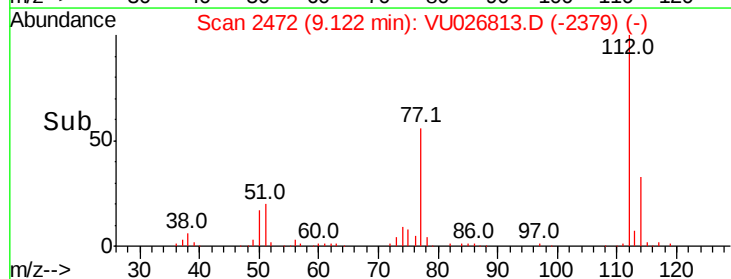
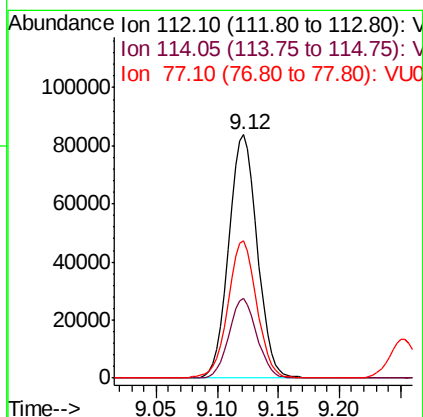
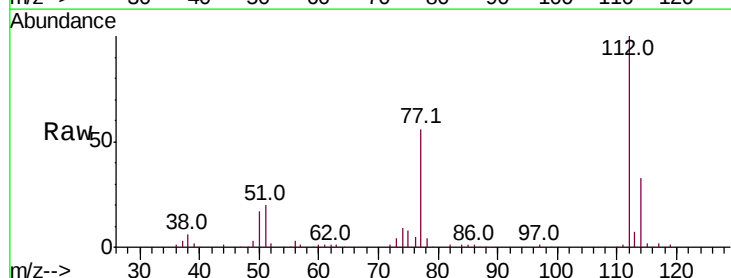
RT: 9.12 min Scan# 2472

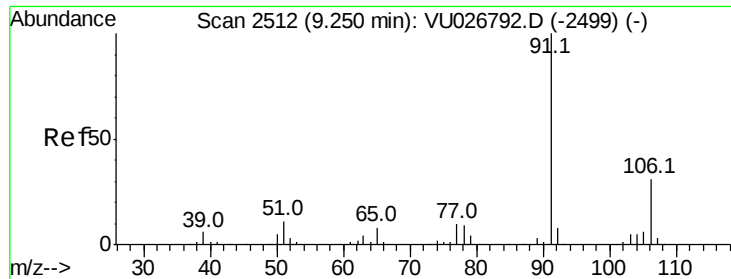
Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Tgt Ion:	112	Resp:	137284
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.6	42.0
77	56.4	45.1	67.7





#52

Ethylbenzene

Concen: 5.263 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

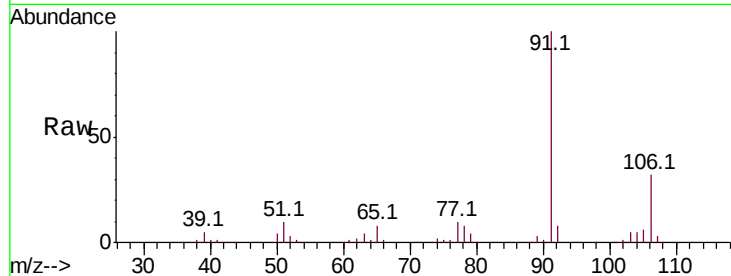
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 211348

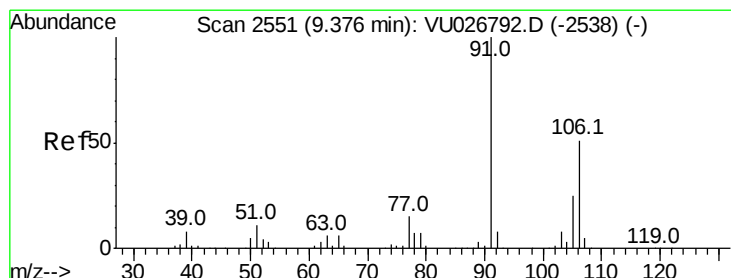
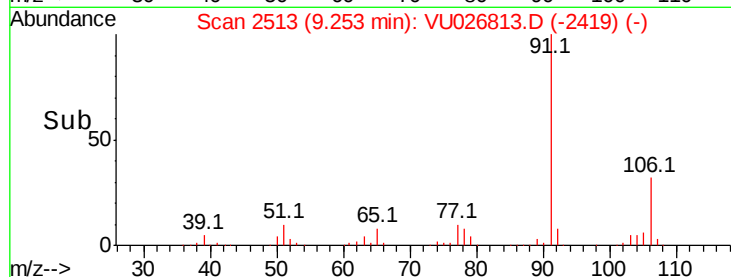
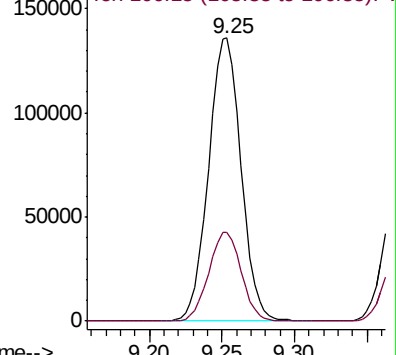
Ion Ratio Lower Upper

91 100

106 31.6 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VU026792.D (-2499) (-)



#53

m,p-xylene

Concen: 5.573 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU026813.D

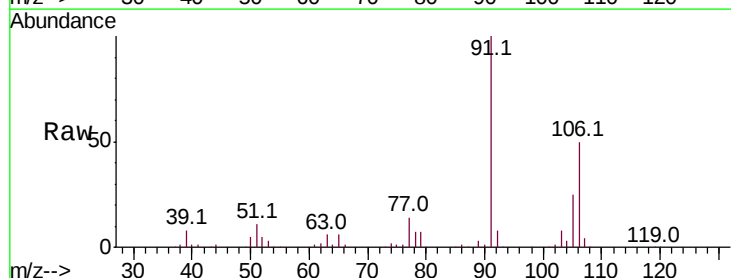
Acq: 17 Sep 2018 09:37

Tgt Ion:106 Resp: 85722

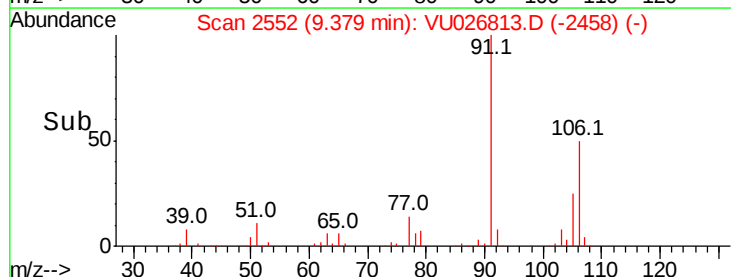
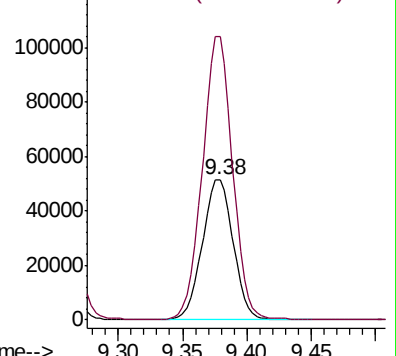
Ion Ratio Lower Upper

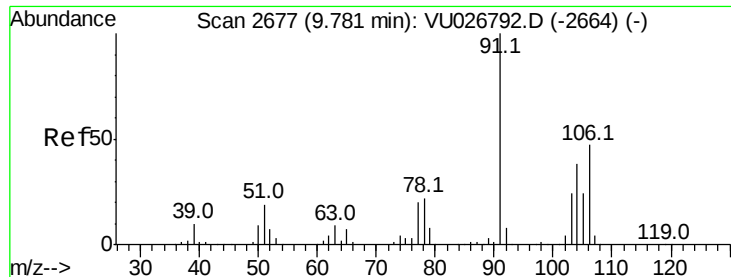
106 100

91 201.3 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026792.D (-2538) (-)





#54

o-xylene

Concen: 5.308 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

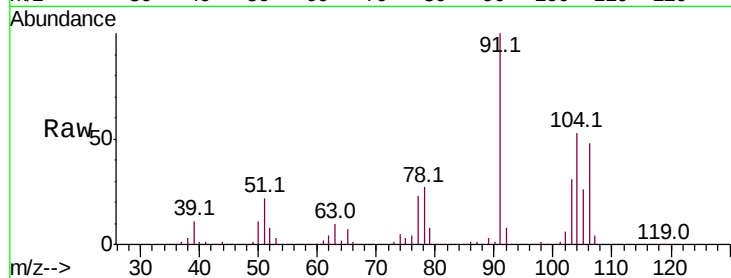
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 78097

Ion Ratio Lower Upper

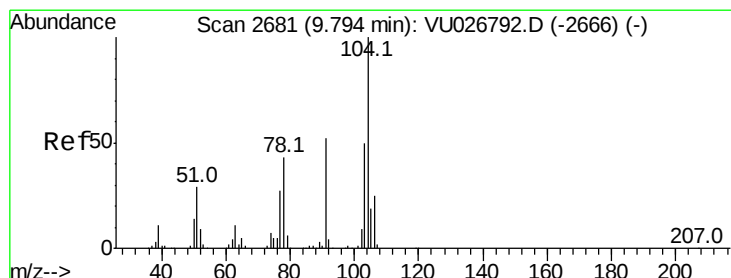
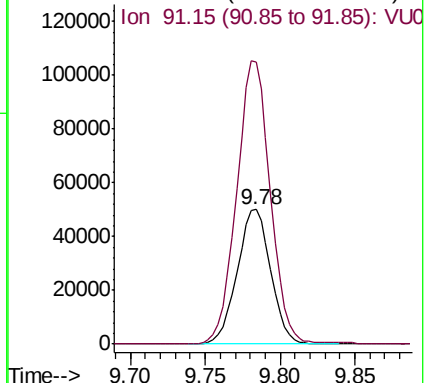
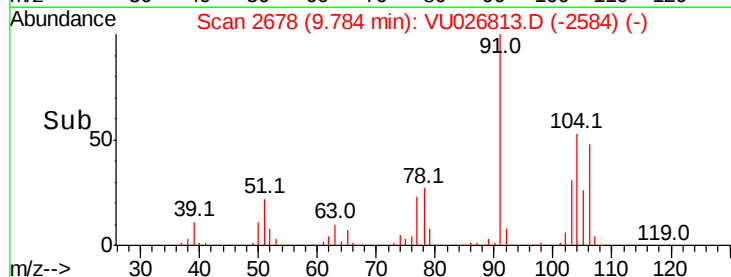
106 100

91 209.4 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.823 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026813.D

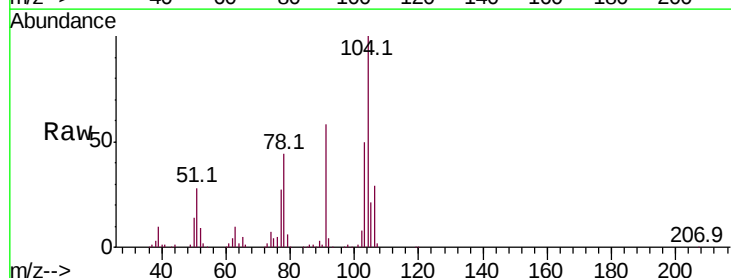
Acq: 17 Sep 2018 09:37

Tgt Ion:104 Resp: 150649

Ion Ratio Lower Upper

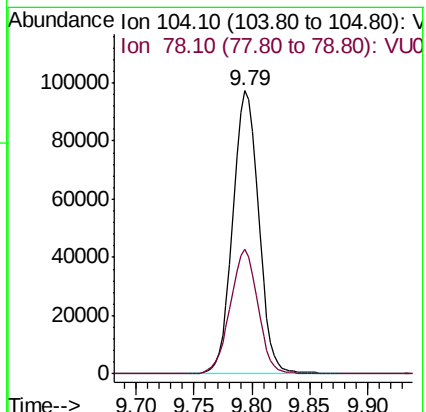
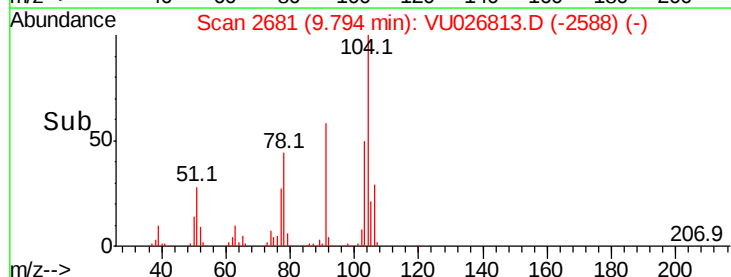
104 100

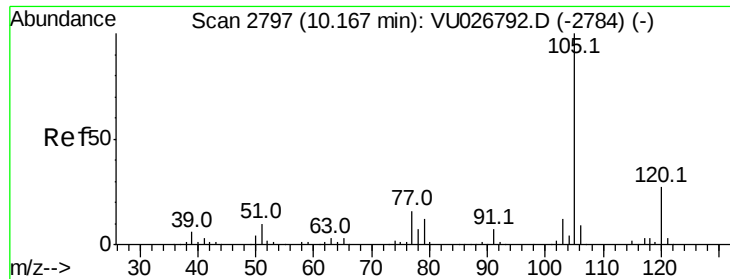
78 43.8 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.318 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

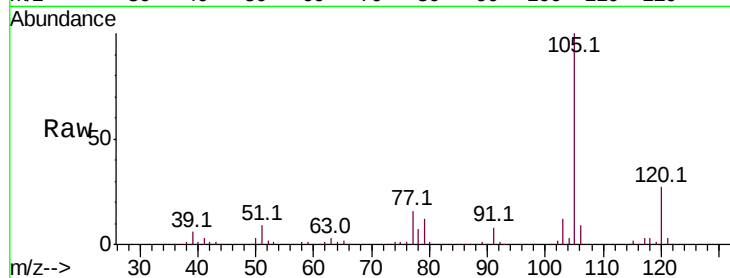
Tot Ion:105 Resp: 204183

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

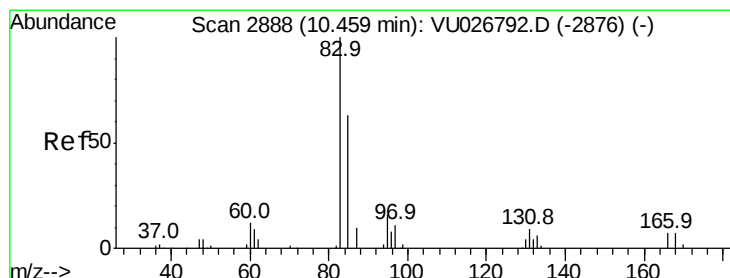
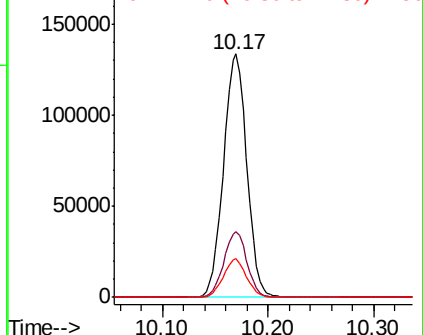
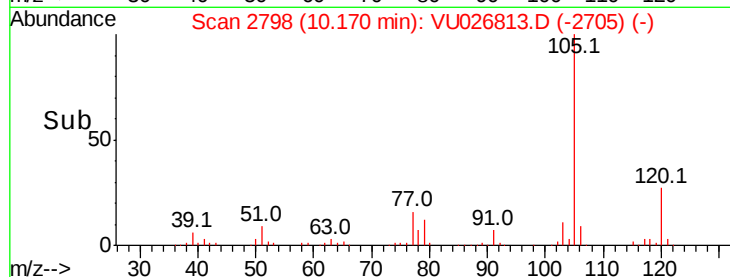
77 15.6 12.6 19.0



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: 5.145 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

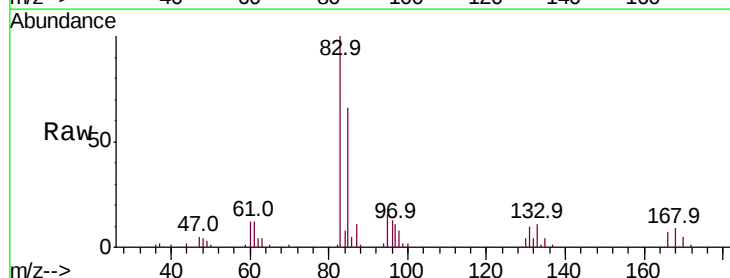
Tgt Ion: 83 Resp: 45575

Ion Ratio Lower Upper

83 100

85 65.8 44.4 82.5

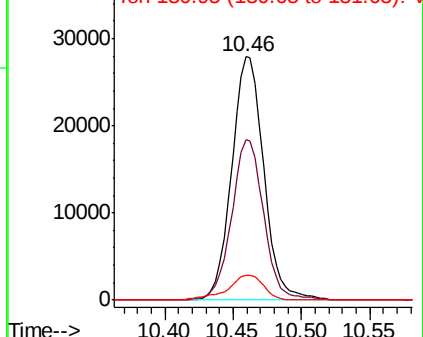
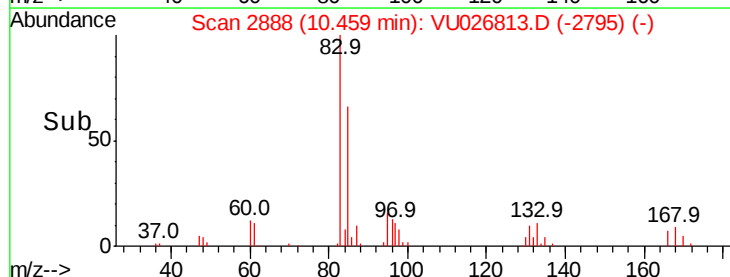
131 10.3 7.2 10.8

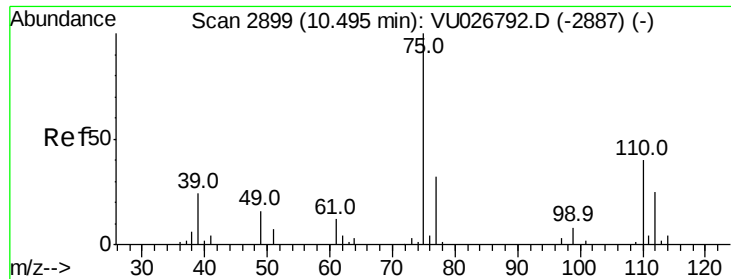


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

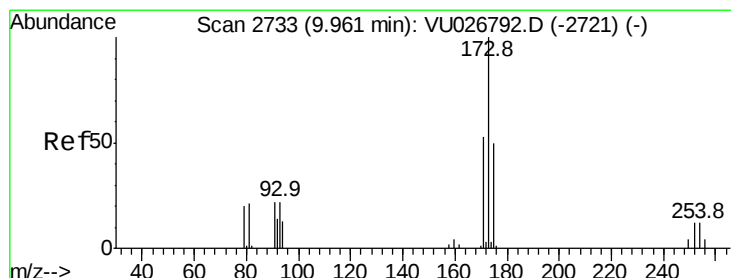
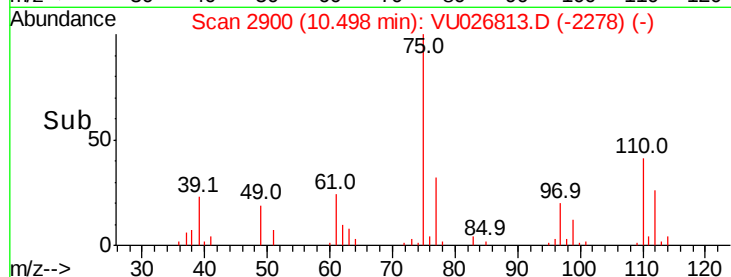
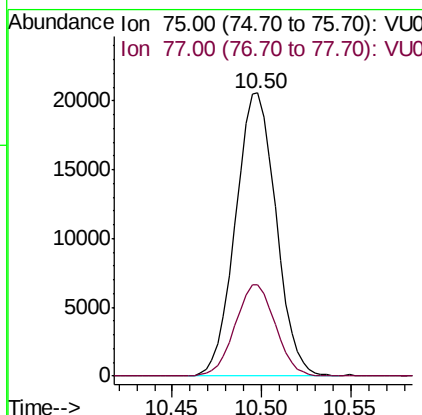
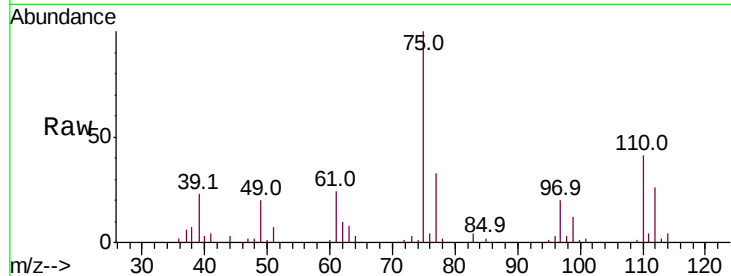




#59
 1,2,3-Trichloropropane
 Concen: 5.252 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

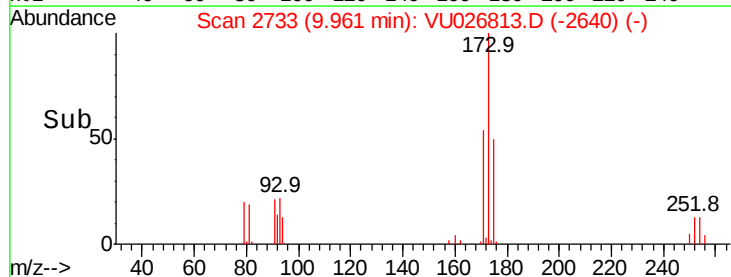
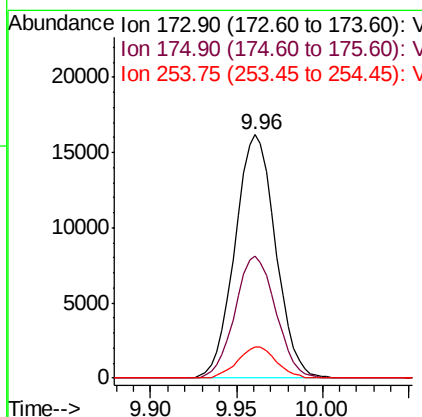
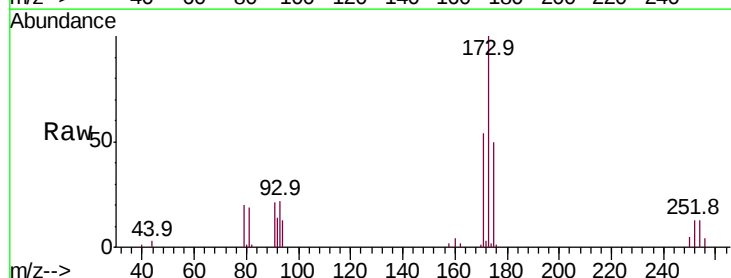
Instrument :
 MSVOA_U
 ClientSampleId :

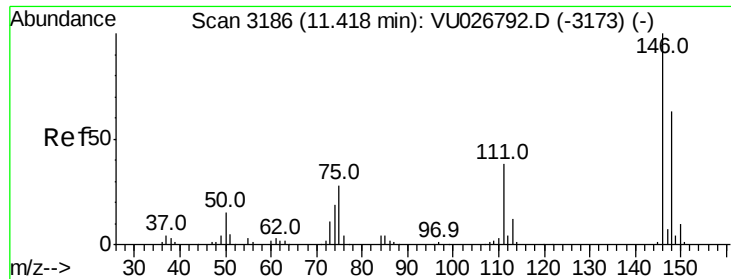
Tot Ion: 75 Resp: 32529
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.9 38.9



#61
 Bromoform
 Concen: 4.955 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Tgt Ion:173 Resp: 26498
 Ion Ratio Lower Upper
 173 100
 175 50.3 38.8 58.2
 254 12.1 9.1 13.7

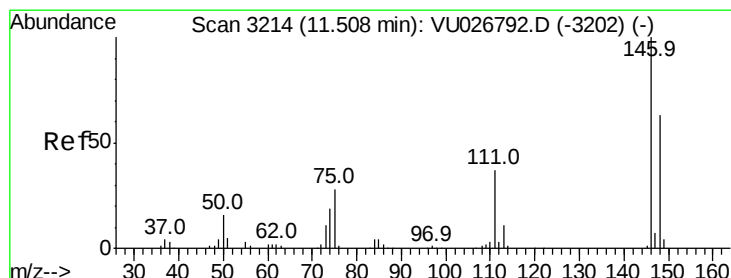
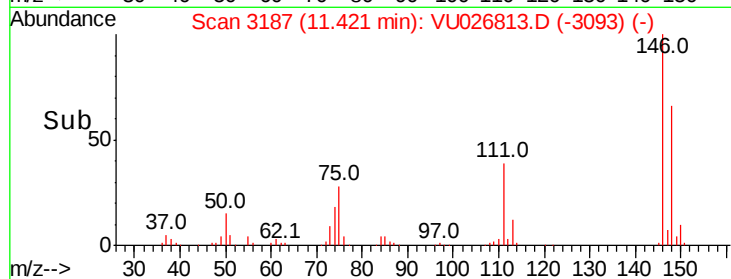
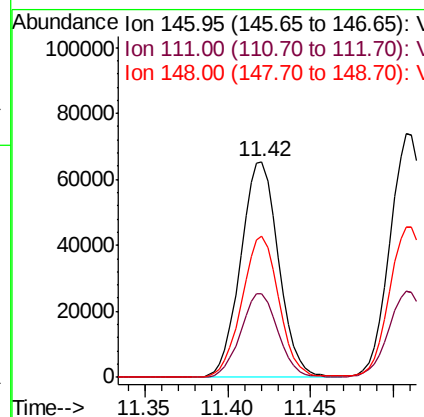
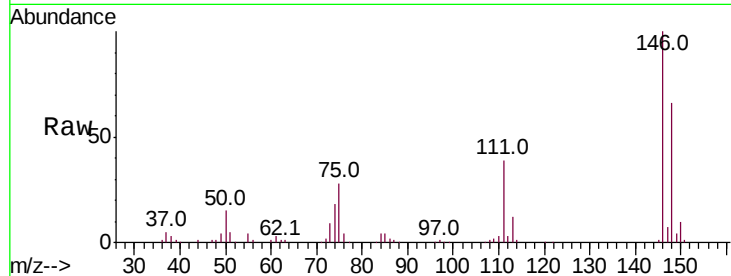




#62
 1,3-Dichlorobenzene
 Concen: 5.132 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

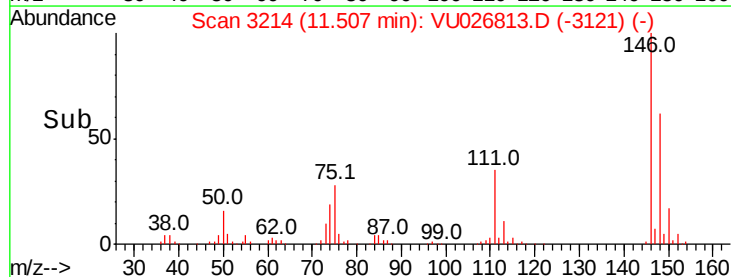
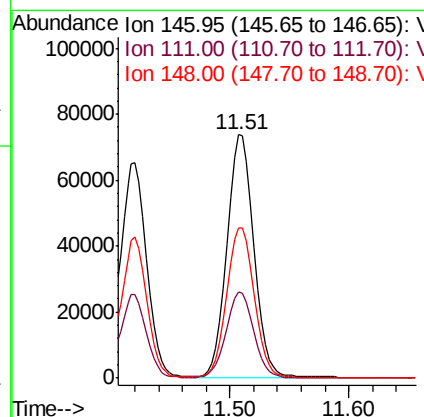
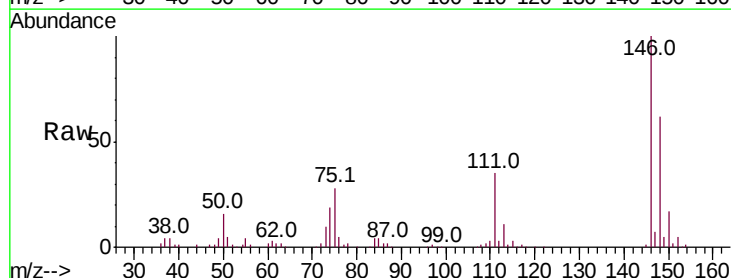
Instrument :
 MSVOA_U
 ClientSampleId :

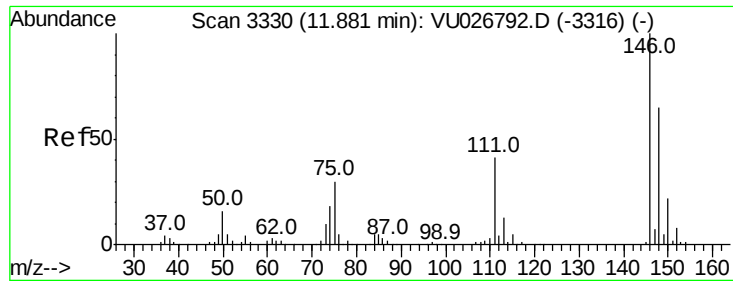
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.2	48.6
148	65.6	44.4	82.4



#63
 1,4-Dichlorobenzene
 Concen: 5.021 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	25.3	46.9
148	61.8	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 5.190 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

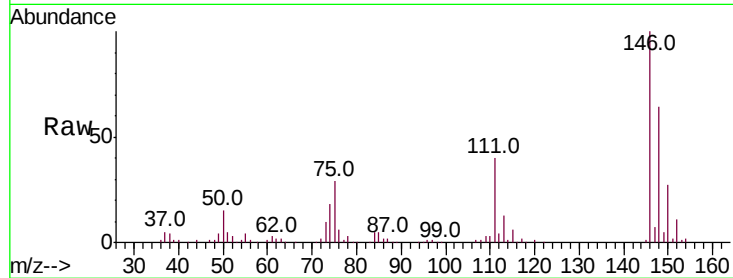
Tot Ion:146 Resp: 110037

Ion Ratio Lower Upper

146 100

111 40.1 32.5 48.7

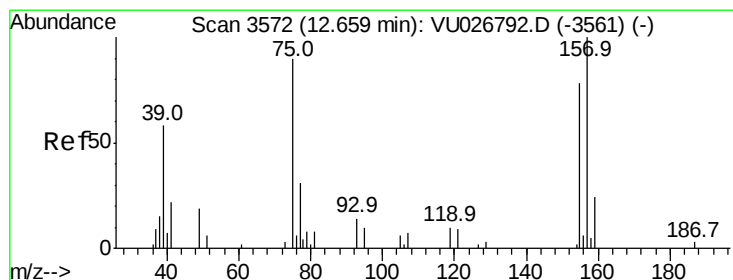
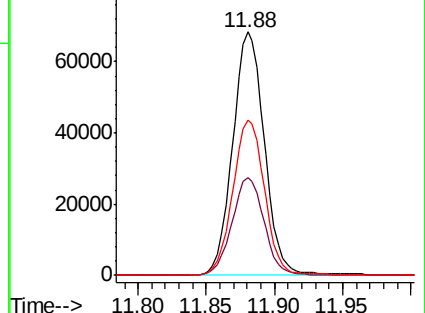
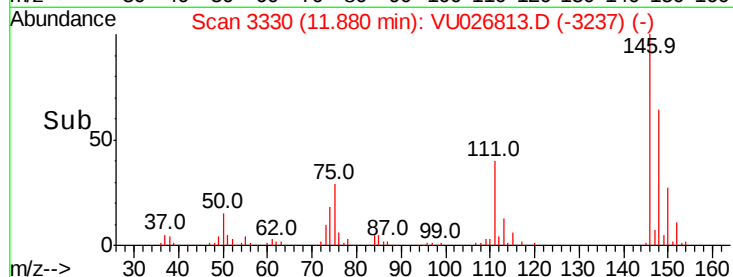
148 63.8 50.5 75.7



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: 5.139 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

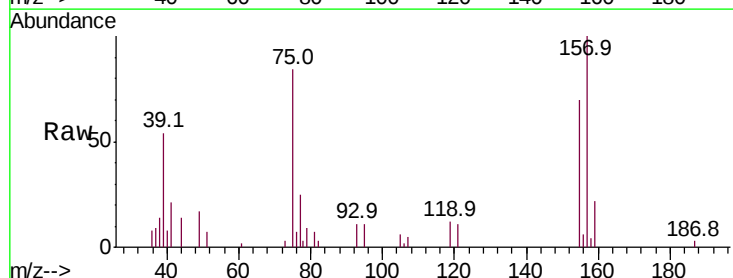
Tgt Ion: 75 Resp: 6915

Ion Ratio Lower Upper

75 100

155 83.2 76.7 115.1

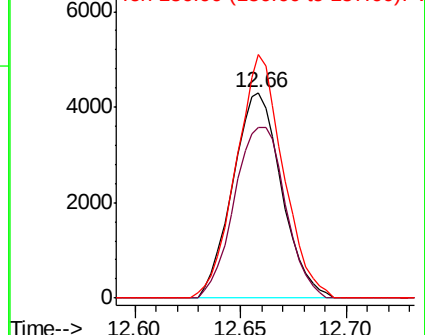
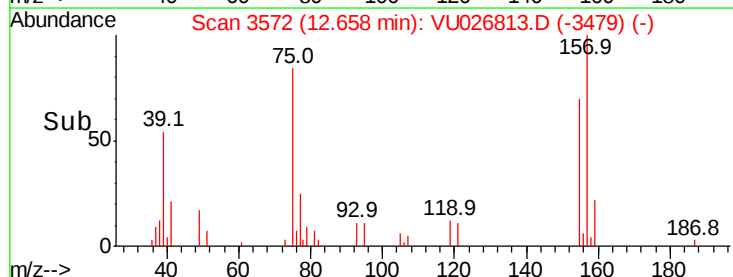
157 118.5 95.1 142.7

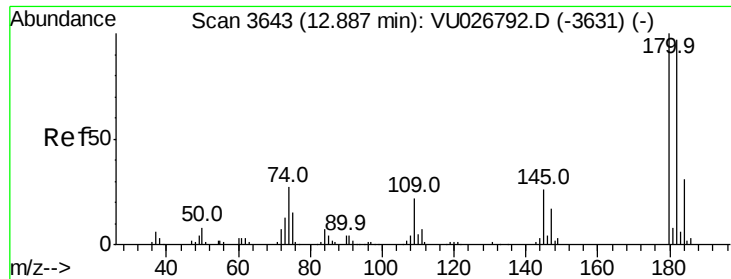


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

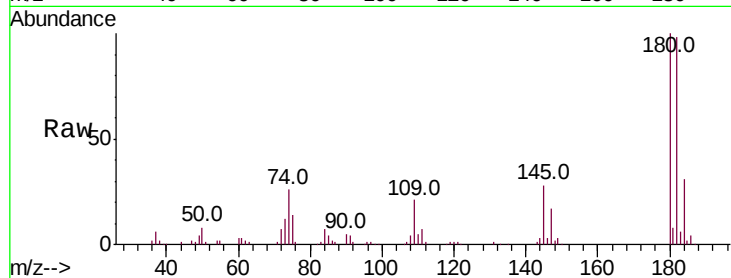




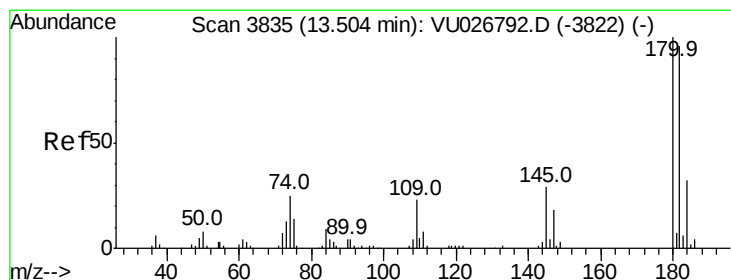
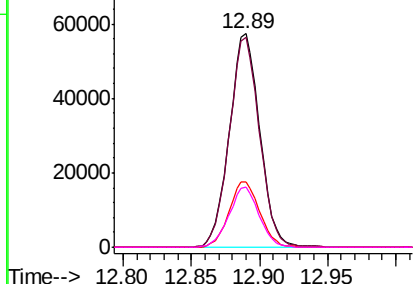
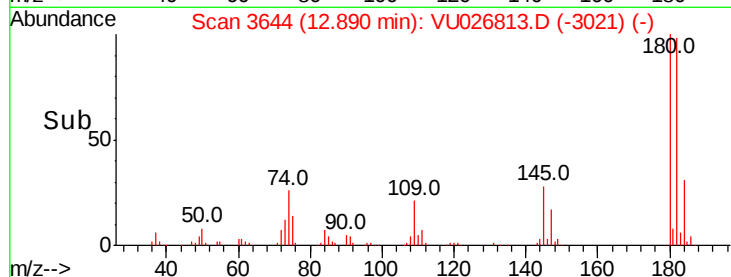
#67
 1,3,5-Trichlorobenzene
 Concen: 5.249 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 88896
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.8 115.2
 184 30.9 24.6 36.8
 145 27.8 21.5 32.3

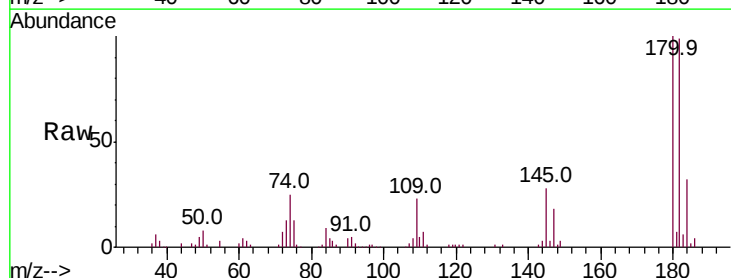


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

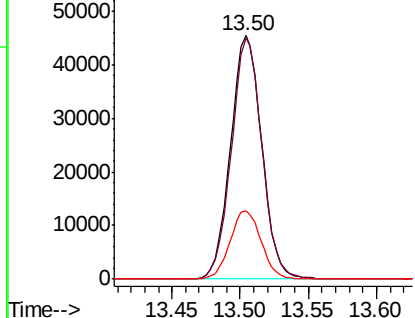
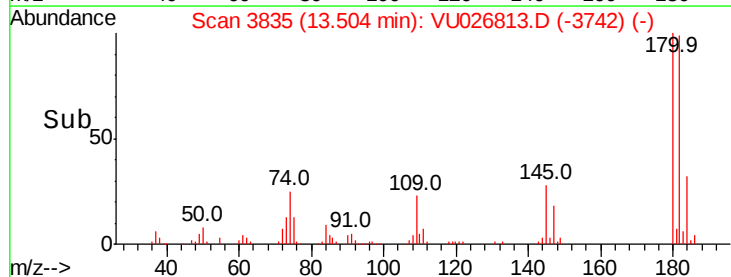


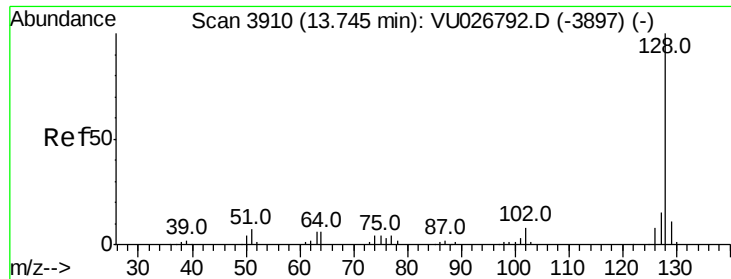
#68
 1,2,4-trichlorobenzene
 Concen: 5.215 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026813.D
 Acq: 17 Sep 2018 09:37

Tgt Ion:180 Resp: 72135
 Ion Ratio Lower Upper
 180 100
 182 96.9 74.7 112.1
 145 28.1 22.3 33.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.951 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

Instrument :

MSVOA_U

ClientSampleId :

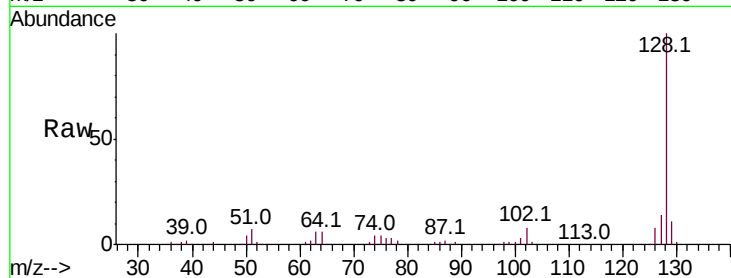
Tot Ion:128 Resp: 98448

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

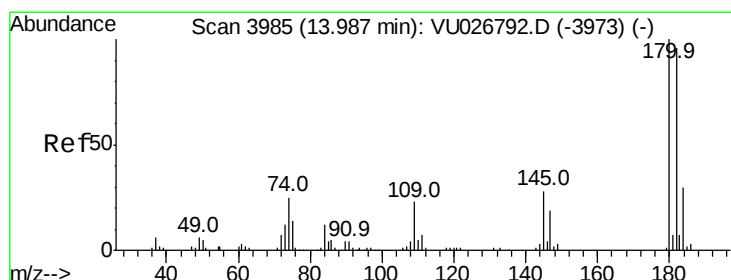
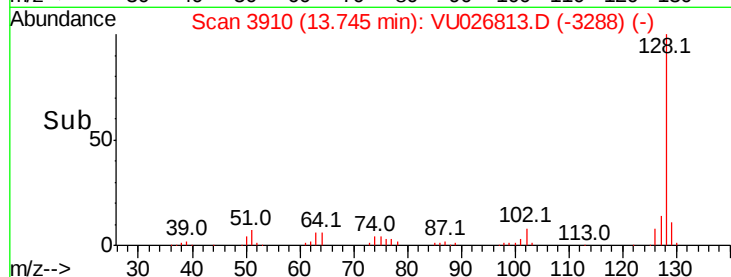
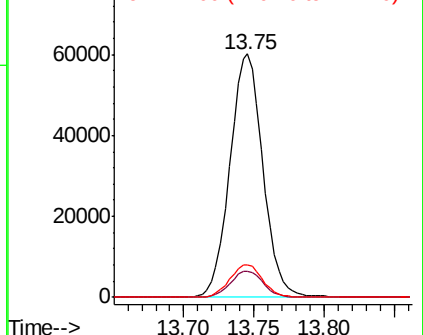
127 13.4 10.8 16.2



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: 5.395 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026813.D

Acq: 17 Sep 2018 09:37

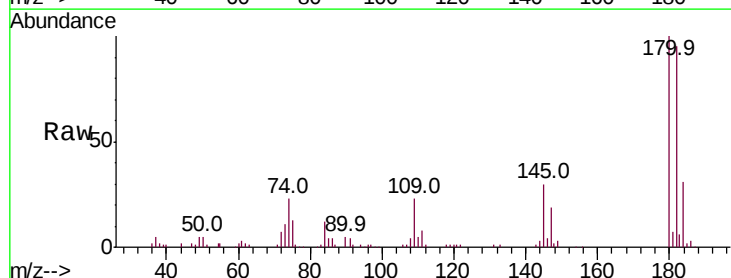
Tgt Ion:180 Resp: 70983

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.6

145 29.4 23.4 35.2



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

