

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\
 Data File : VU026484.D
 Acq On : 31 Aug 2018 06:06
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 07:12:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 05:38:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	156290	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	150236	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	75538	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38849	40.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.24%
7) Chloroethane-d5	1.68	69	38255	43.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.48%
11) 1,1-Dichloroethene-d2	2.27	63	87093	39.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.88%
21) 2-Butanone-d5	4.18	46	70604	93.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.94%
24) Chloroform-d	4.65	84	85546	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
26) 1,2-Dichloroethane-d4	5.31	65	56999	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
32) Benzene-d6	5.34	84	169285	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
36) 1,2-Dichloropropane-d6	6.33	67	57245	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.24%
41) Toluene-d8	7.57	98	163036	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%
43) trans-1,3-Dichloropropene-	7.85	79	25031	46.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.16%
47) 2-Hexanone-d5	8.31	63	55540	101.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84528	48.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	68212	49.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	61512	50.476	ug/L 99
3) Chloromethane	1.33	50	73520	48.859	ug/L 99
5) Vinyl chloride	1.40	62	79581	48.784	ug/L 99
6) Bromomethane	1.62	94	45680	47.234	ug/L 98
8) Chloroethane	1.70	64	50243	51.298	ug/L 99
9) Trichlorofluoromethane	1.89	101	103366	49.830	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	53963	46.622	ug/L 97
12) 1,1-Dichloroethene	2.28	96	50424	45.200	ug/L 85
13) Acetone	2.32	43	56936	87.488	ug/L 100
14) Carbon disulfide	2.48	76	155646	49.301	ug/L 100
15) Methyl Acetate	2.62	43	62380	48.817	ug/L 97
16) Methylene chloride	2.70	84	59267	51.673	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	52195	51.726	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	161757	52.807	ug/L 99
19) 1,1-Dichloroethane	3.45	63	101871	51.379	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	59383	52.533	ug/L 99
22) 2-Butanone	4.26	43	87118	99.592	ug/L 100

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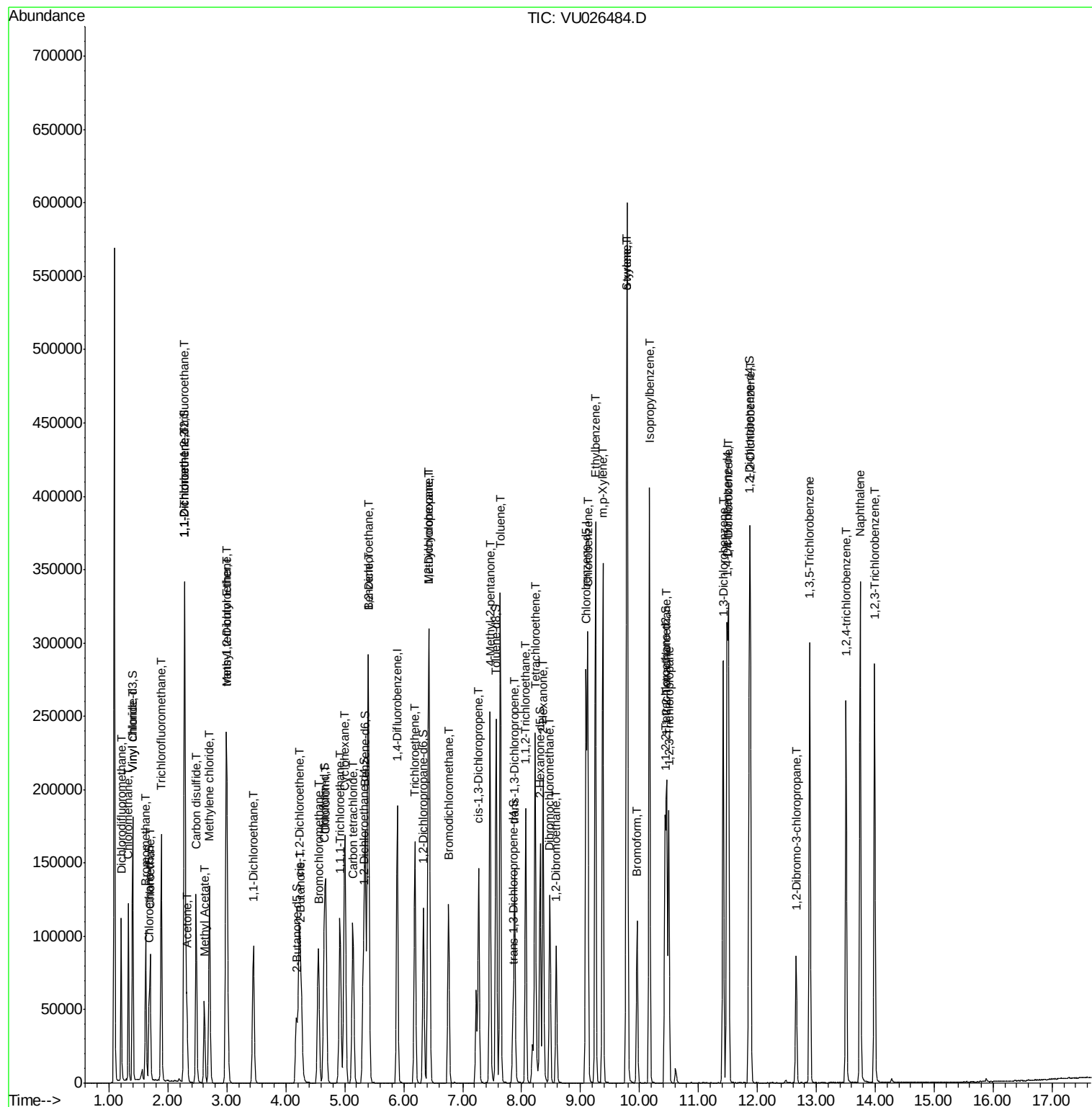
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	30816	52.914	ug/L	91
25) Chloroform	4.68	83	106439	52.566	ug/L	97
27) 1,2-Dichloroethane	5.41	62	84972	52.032	ug/L	98
29) Cyclohexane	5.00	56	88510	54.071	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	86871	52.545	ug/L	99
31) Carbon tetrachloride	5.14	117	78921	52.538	ug/L	98
33) Benzene	5.39	78	228329	53.012	ug/L	100
34) Trichloroethene	6.19	95	55553	51.421	ug/L	98
35) Methylcyclohexane	6.42	83	90160	53.446	ug/L	99
37) 1,2-Dichloropropane	6.44	63	63732	53.450	ug/L	99
38) Bromodichloromethane	6.76	83	78071	51.344	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	84154	49.532	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	165804	103.108	ug/L	99
42) Toluene	7.64	91	239783	53.353	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	79077	48.832	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	56778	51.979	ug/L	99
46) Tetrachloroethene	8.23	164	50456	57.124	ug/L	99
48) 2-Hexanone	8.36	43	130893	103.352	ug/L	99
49) Dibromochloromethane	8.48	129	65079	52.876	ug/L	98
50) 1,2-Dibromoethane	8.59	107	61696	53.041	ug/L	98
51) Chlorobenzene	9.12	112	154902	51.541	ug/L	98
52) Ethylbenzene	9.25	91	256637	52.504	ug/L	100
53) m,p-Xylene	9.38	106	97878	53.628	ug/L	100
54) o-xylene	9.78	106	98549	55.370	ug/L	96
55) Styrene	9.79	104	168600	54.226	ug/L	96
56) Isopropylbenzene	10.17	105	253126	54.330	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	98382	51.131	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	74692	50.202	ug/L	97
61) Bromoform	9.96	173	50319	53.973	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	115632	52.312	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	119970	51.314	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	124461	53.384	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	20250	51.654	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	94011	52.701	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	81011	51.995	ug/L	99
69) Naphthalene	13.74	128	267295	54.946	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	91467	53.465	ug/L	99

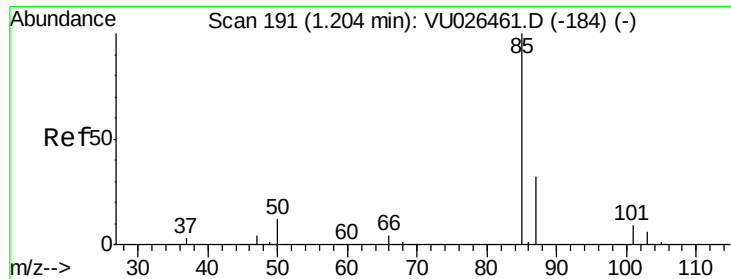
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.476 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

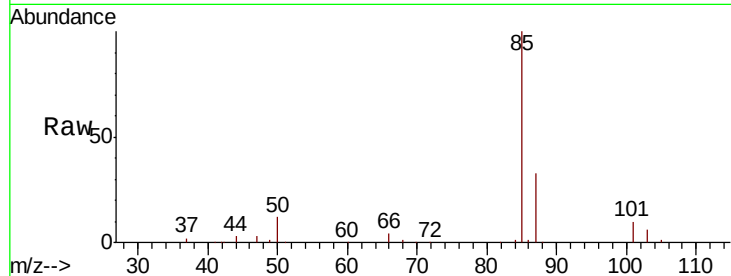
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 61512

Ion Ratio Lower Upper

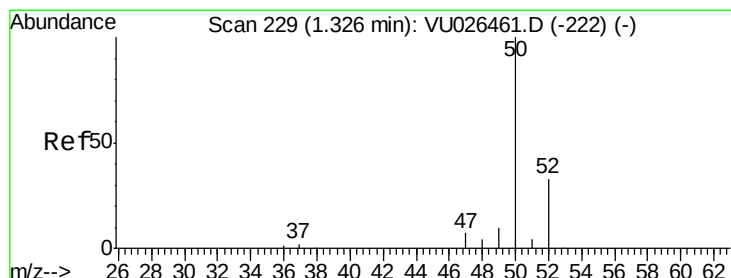
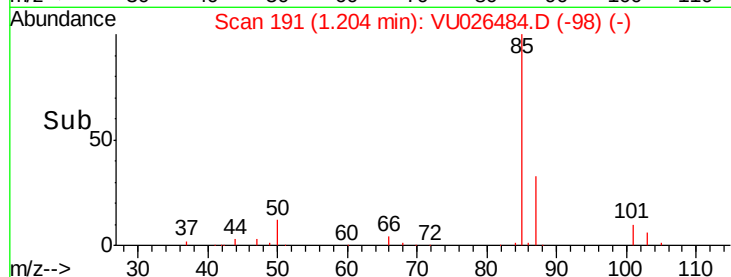
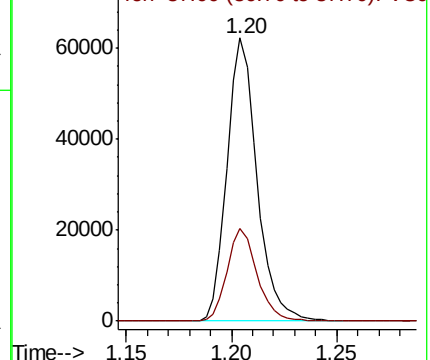
85 100

87 32.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 48.859 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU026484.D

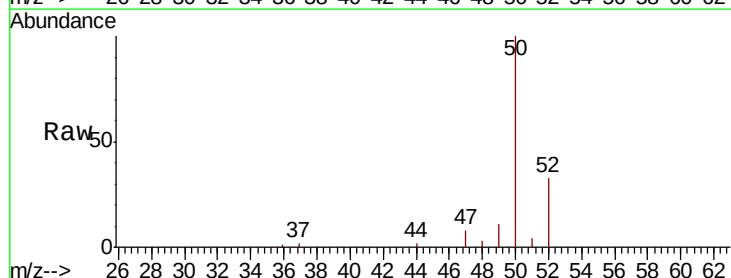
Acq: 31 Aug 2018 06:06

Tgt Ion: 50 Resp: 73520

Ion Ratio Lower Upper

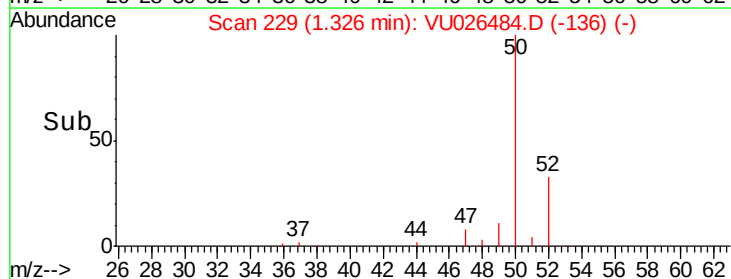
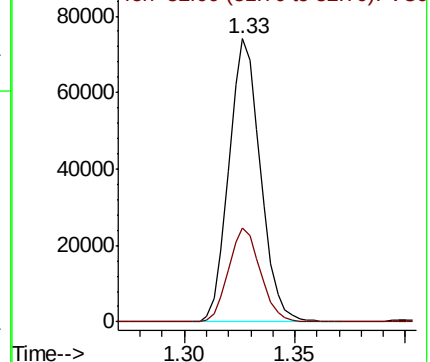
50 100

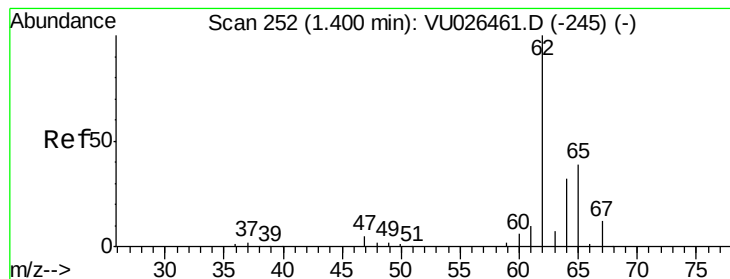
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.784 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :

MSVOA_U

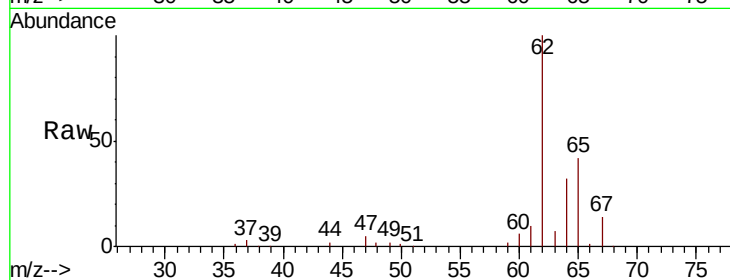
ClientSampleId :

Tot Ion: 62 Resp: 79581

Ion Ratio Lower Upper

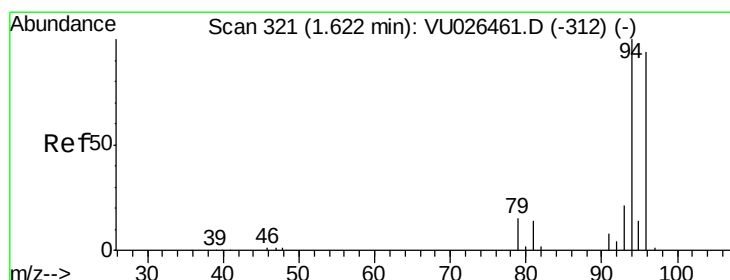
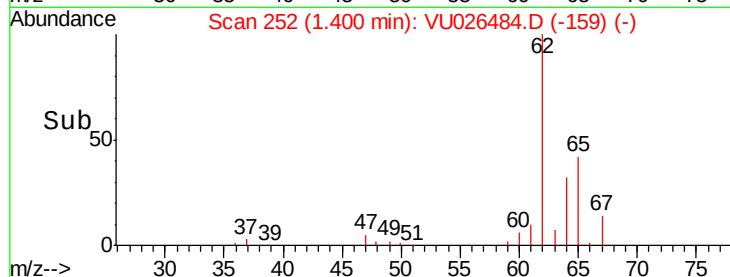
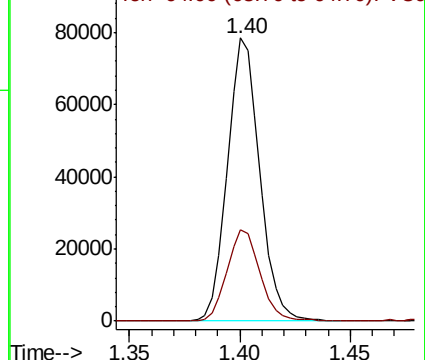
62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 47.234 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU026484.D

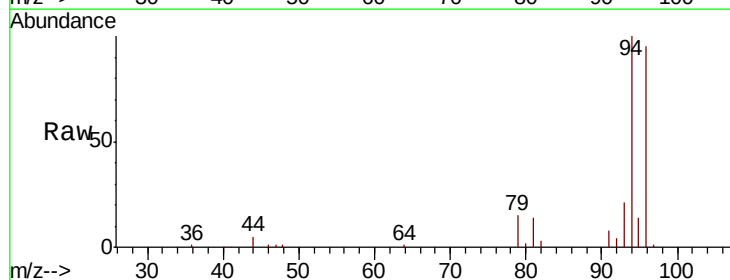
Acq: 31 Aug 2018 06:06

Tgt Ion: 94 Resp: 45680

Ion Ratio Lower Upper

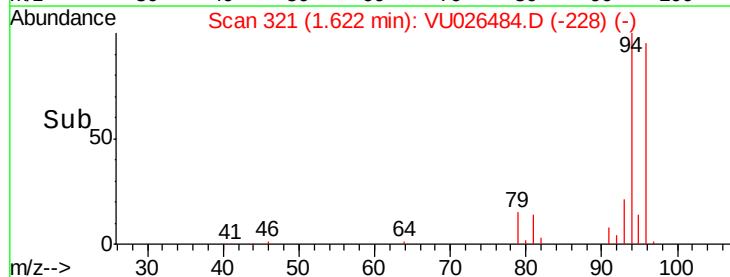
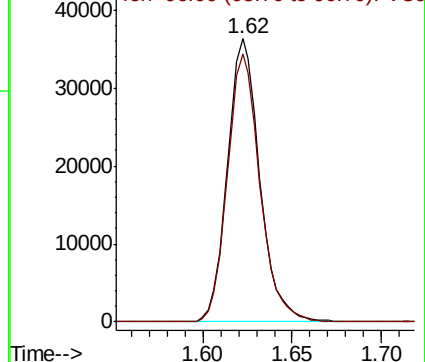
94 100

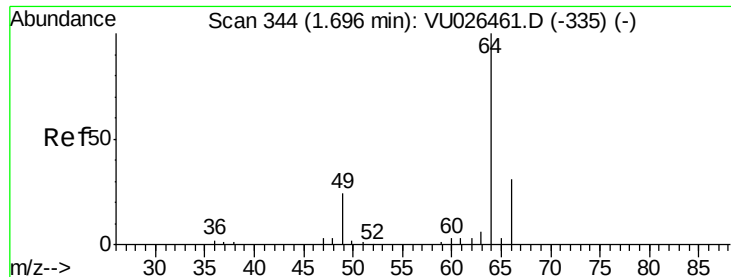
96 94.9 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 51.298 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

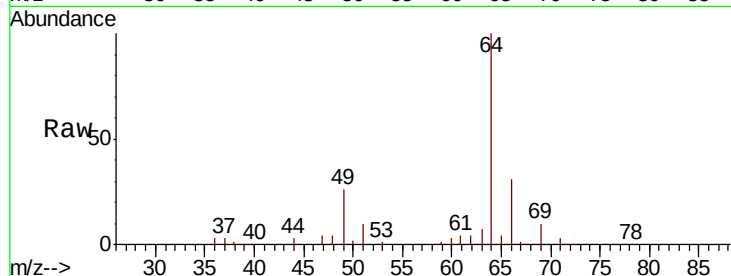
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 50243

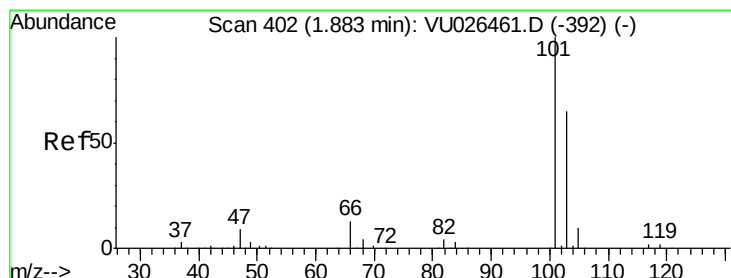
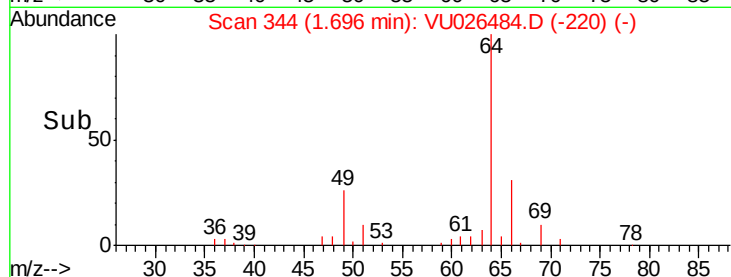
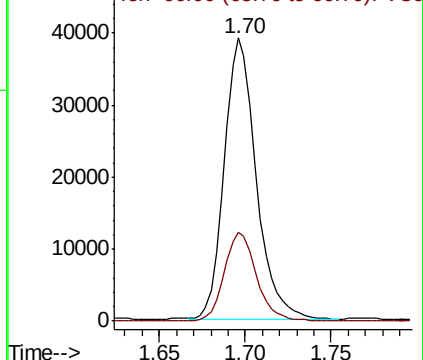
Ion Ratio Lower Upper

64 100

66 31.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026484.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 49.830 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026484.D

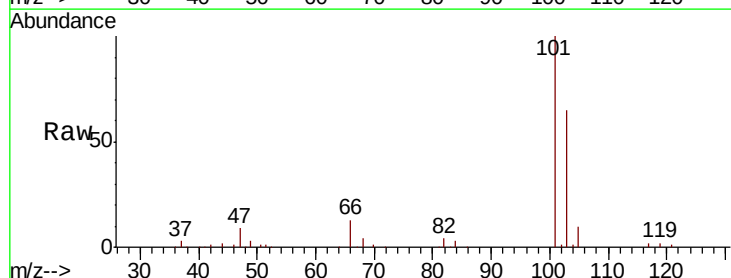
Acq: 31 Aug 2018 06:06

Tgt Ion:101 Resp: 103366

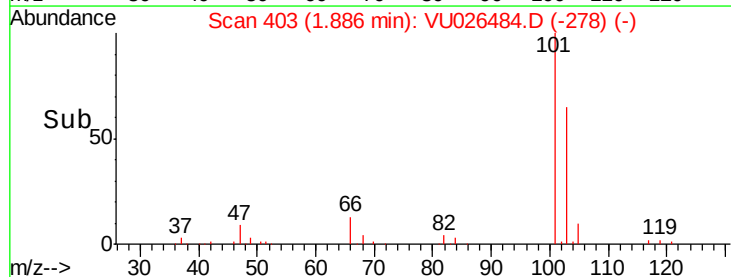
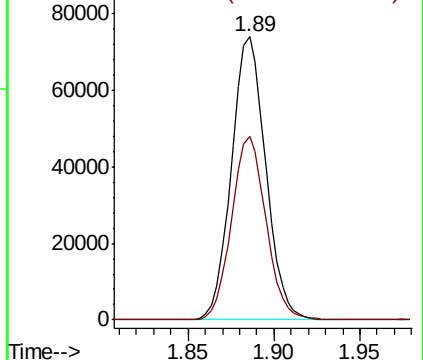
Ion Ratio Lower Upper

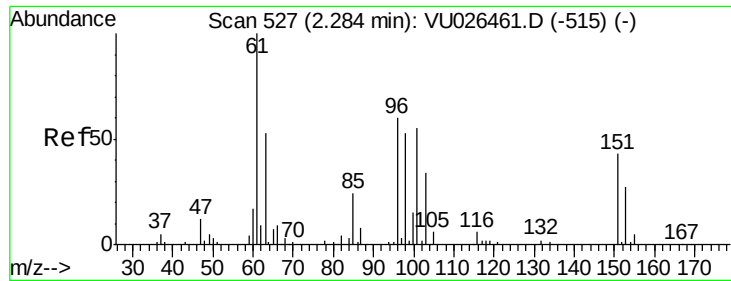
101 100

103 64.7 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026484.D (-278) (-)





#10

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

Concen: 46.622 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :

MSVOA_U

ClientSampleId :

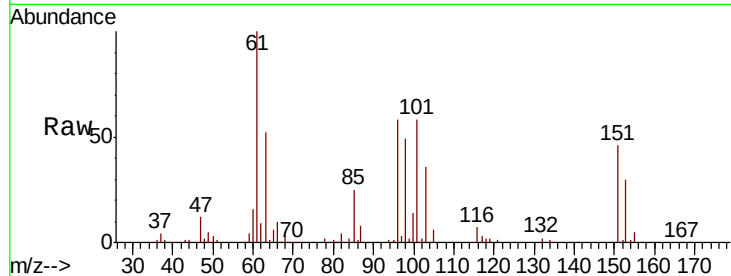
Tot Ion:101 Resp: 53963

Ion Ratio Lower Upper

101 100

85 43.0 35.3 52.9

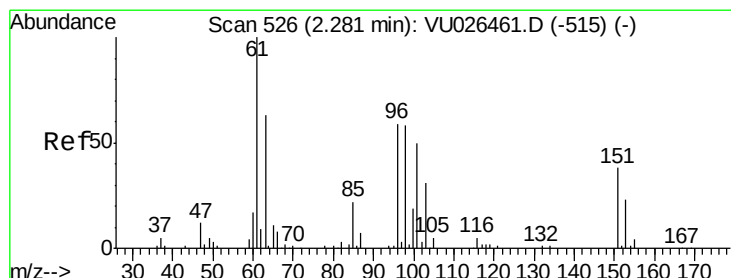
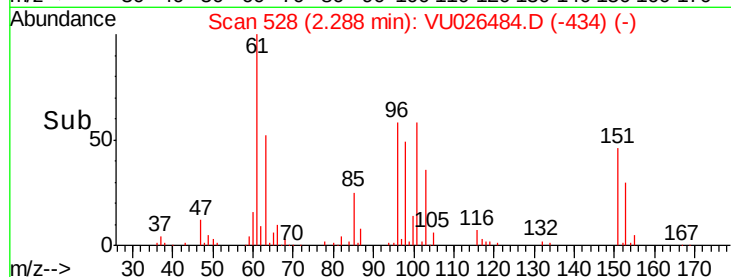
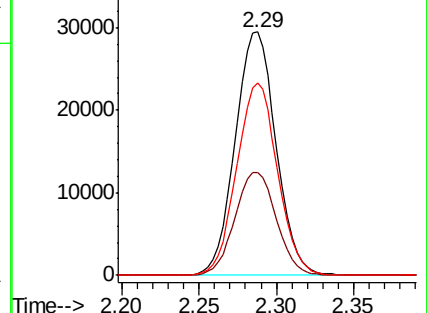
151 79.2 60.7 91.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.200 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

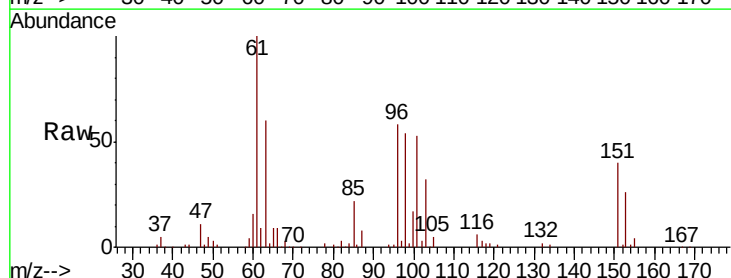
Tgt Ion: 96 Resp: 50424

Ion Ratio Lower Upper

96 100

61 172.5 129.3 240.1

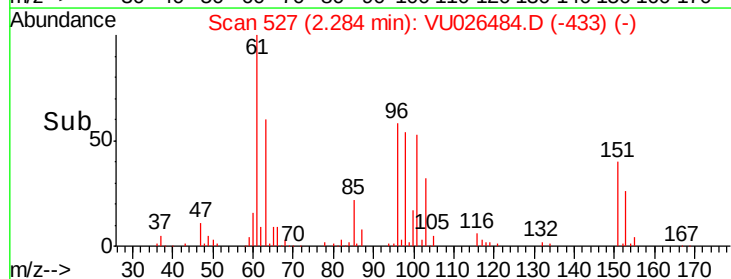
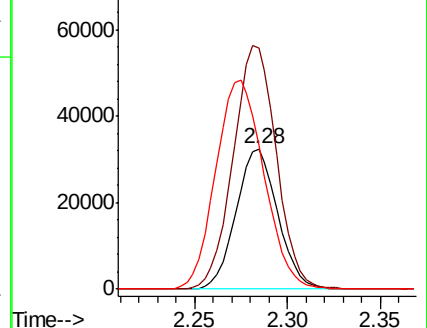
63 102.8 91.7 170.3

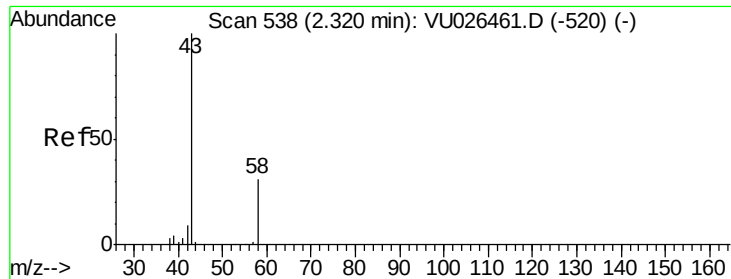


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

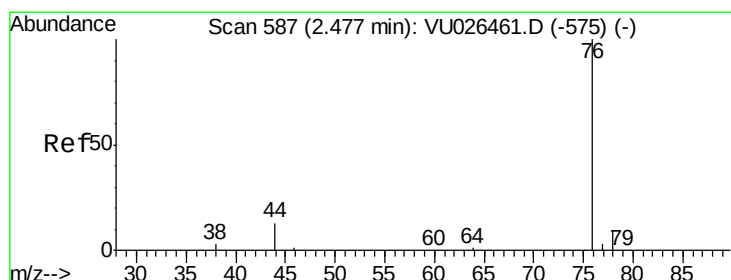
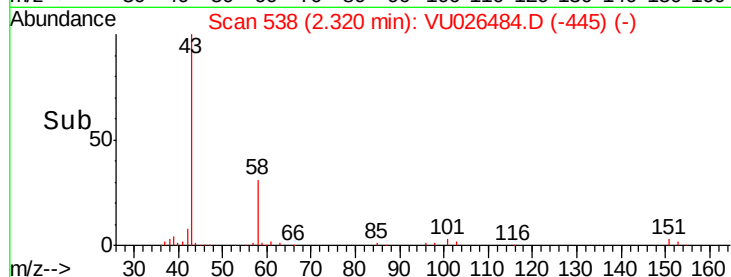
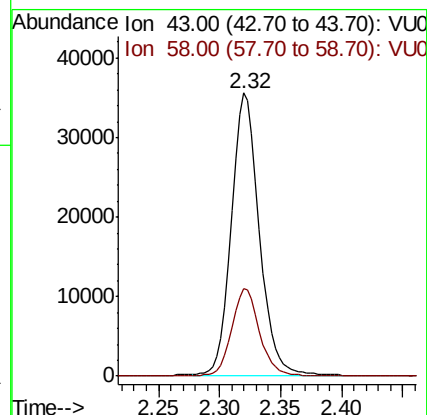
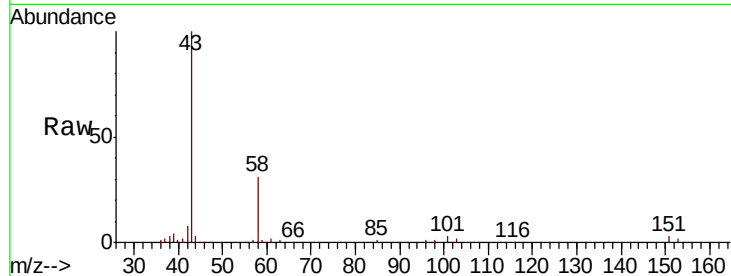




#13
Acetone
Concen: 87.488 ug/L
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

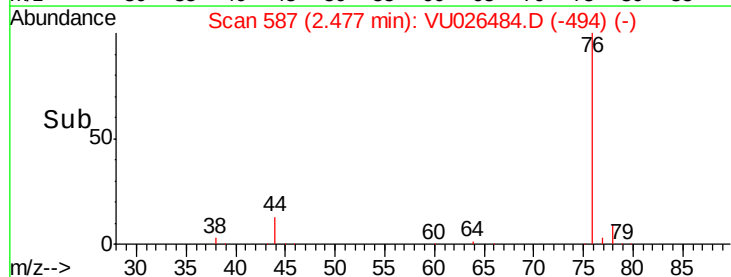
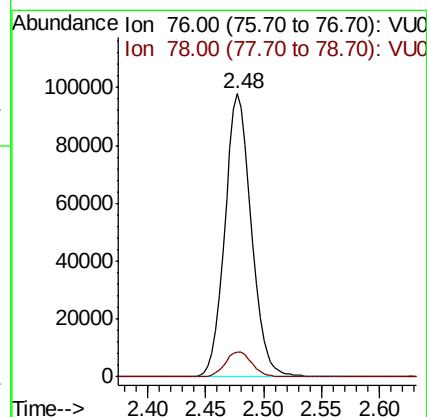
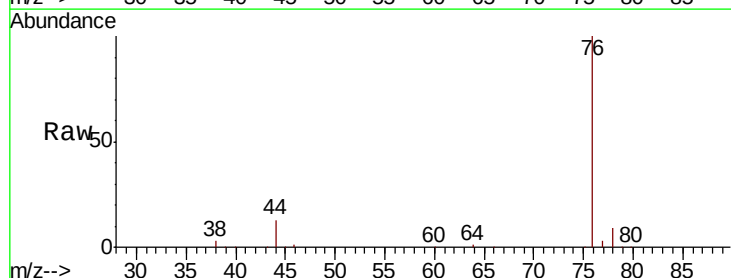
Instrument :
MSVOA_U
ClientSampled :

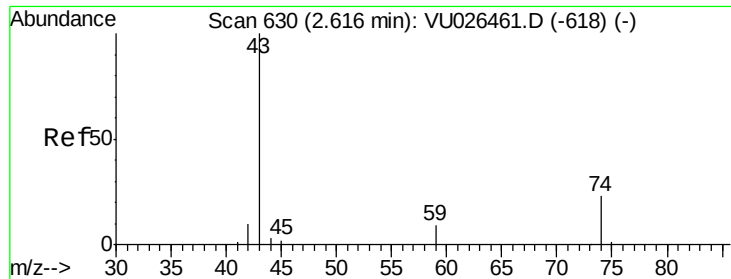
Tot Ion: 43 Resp: 56936
Ion Ratio Lower Upper
43 100
58 30.8 0.0 61.2



#14
Carbon disulfide
Concen: 49.301 ug/L
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

Tgt Ion: 76 Resp: 155646
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

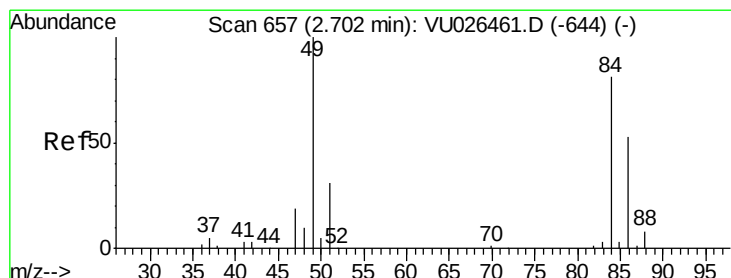
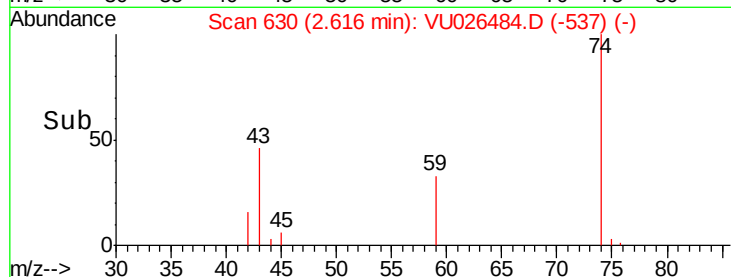
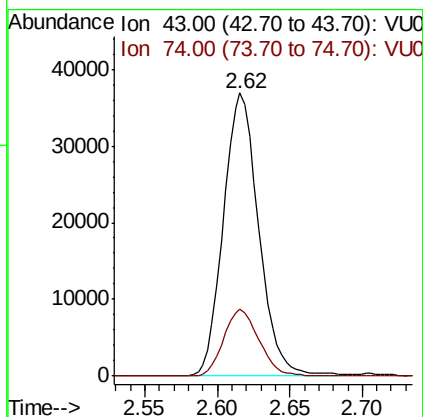
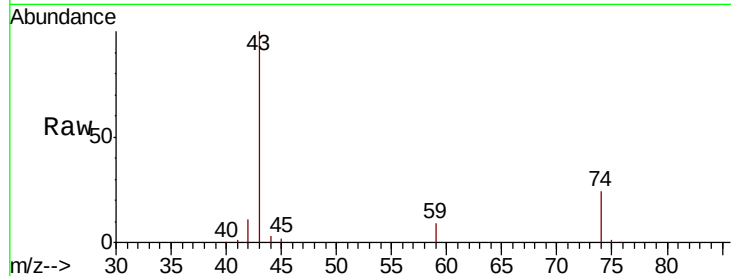




#15
Methvl Acetate
Concen: 48.817 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

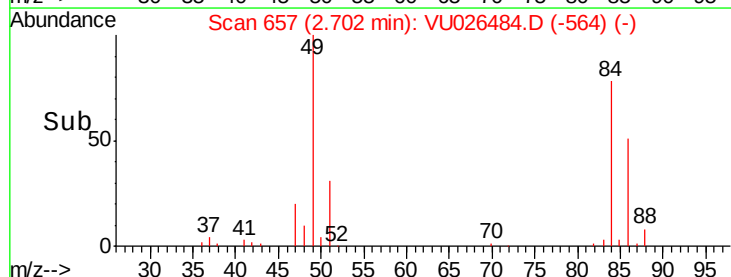
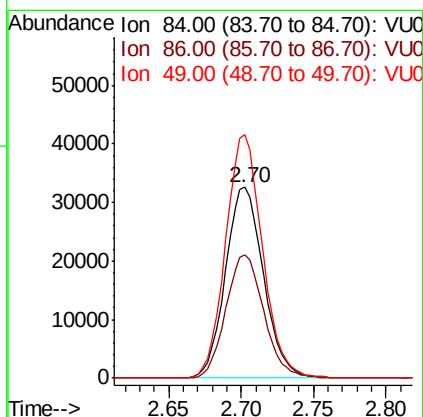
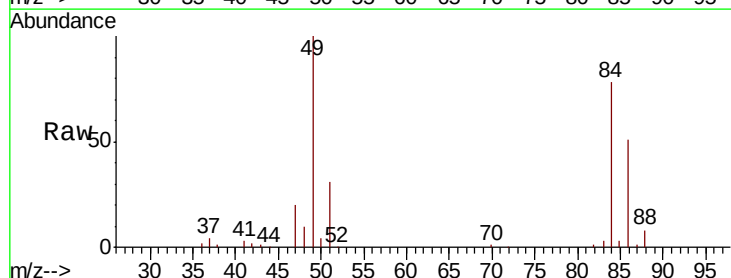
Instrument :
MSVOA_U
ClientSampleId :

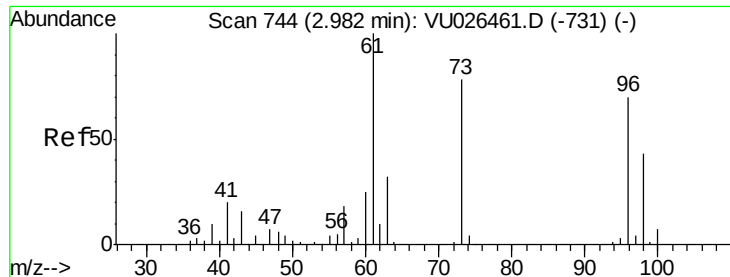
Tot Ion: 43 Resp: 62380
Ion Ratio Lower Upper
43 100
74 23.6 17.8 26.6



#16
Methylene chloride
Concen: 51.673 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

Tgt Ion: 84 Resp: 59267
Ion Ratio Lower Upper
84 100
86 64.8 46.2 85.8
49 127.5 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 51.726 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :
MSVOA_U
ClientSampled :

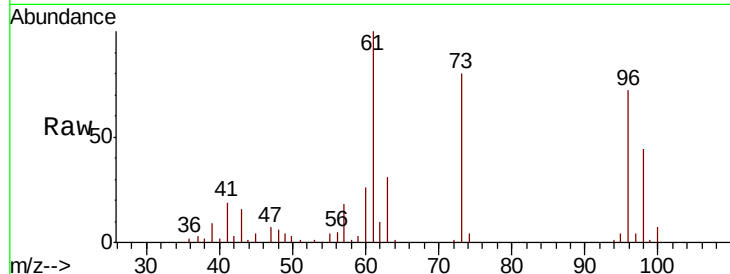
Tot Ion: 96 Resp: 52195

Ion Ratio Lower Upper

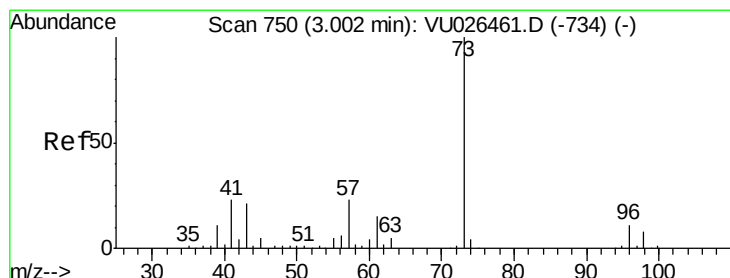
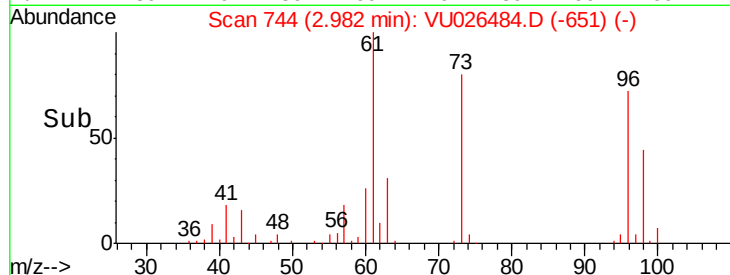
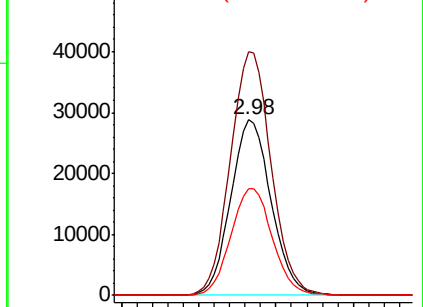
96 100

61 138.8 103.2 191.6

98 60.7 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 52.807 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

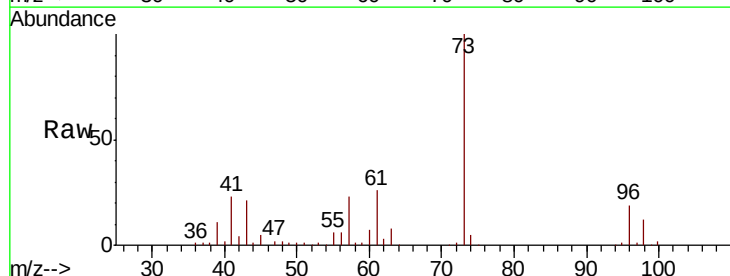
Tgt Ion: 73 Resp: 161757

Ion Ratio Lower Upper

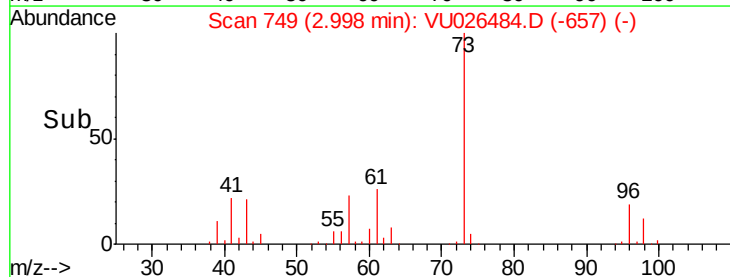
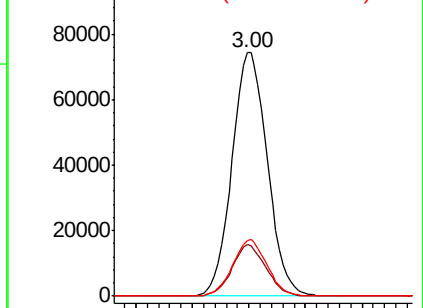
73 100

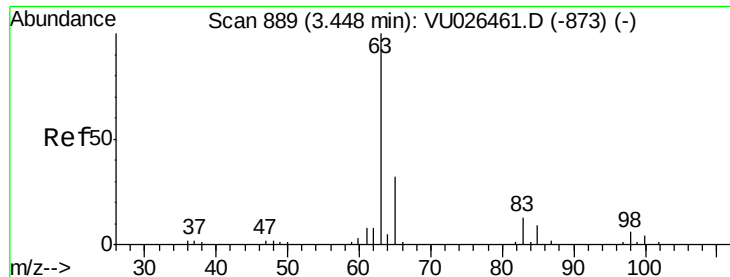
43 20.2 16.6 25.0

57 22.6 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

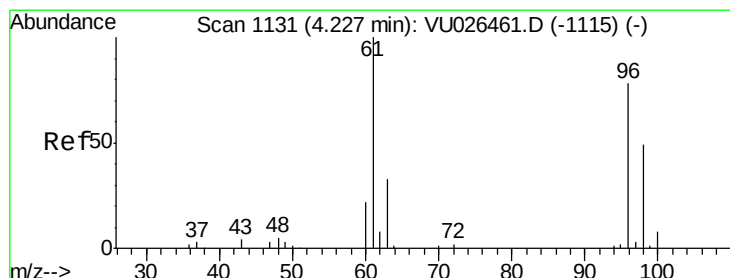
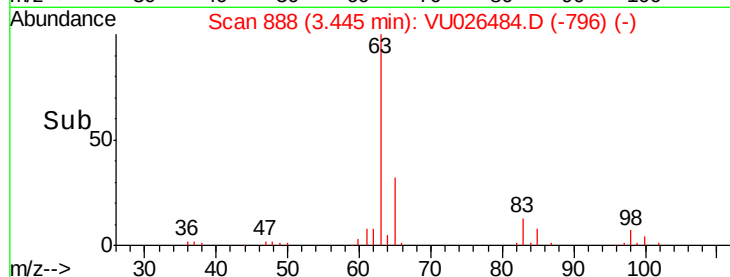
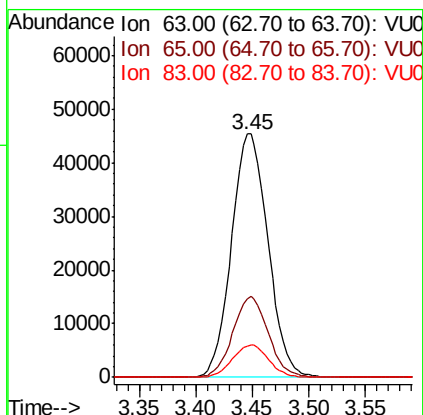
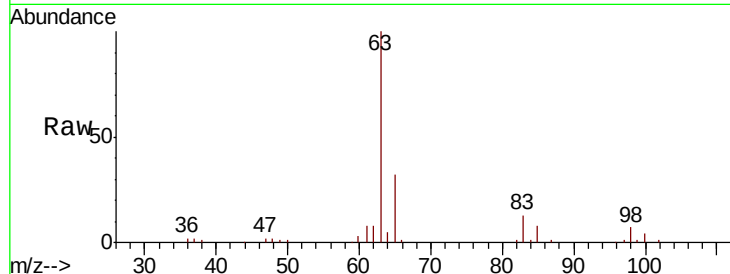




#19
 1,1-Dichloroethane
 Concen: 51.379 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

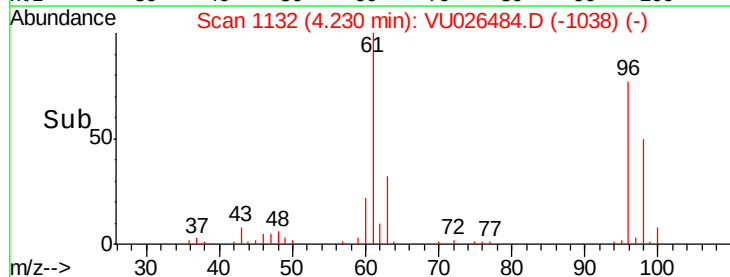
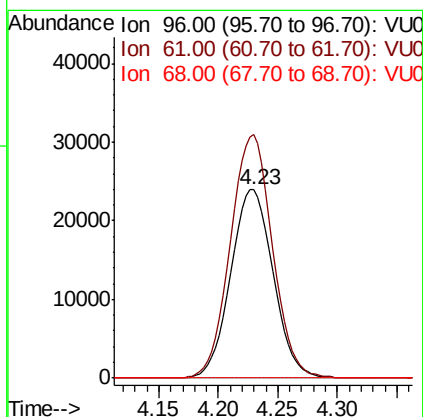
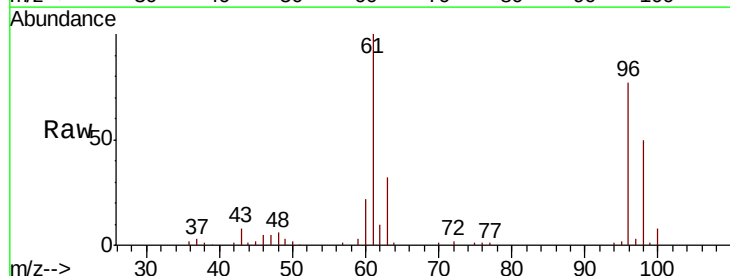
Instrument :
 MSVOA_U
 ClientSampleId :

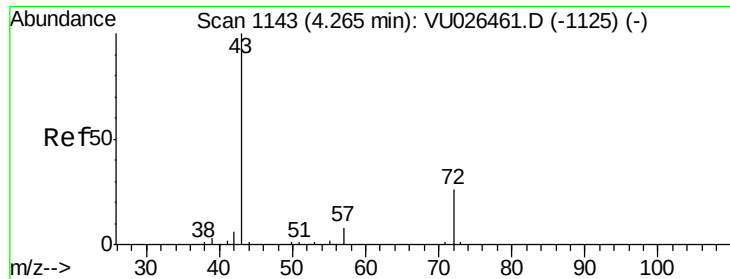
Tot Ion: 63 Resp: 101871
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.6 40.2
 83 12.8 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 52.533 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Tgt Ion: 96 Resp: 59383
 Ion Ratio Lower Upper
 96 100
 61 129.4 91.6 170.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.592 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

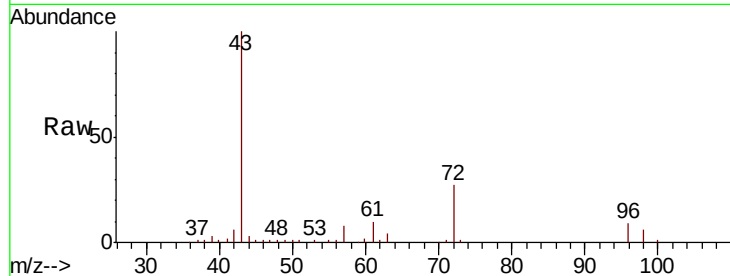
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 87118

Ion Ratio Lower Upper

43 100

72 26.1 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026484.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU026484.D (-1142) (-)

4.26

30000

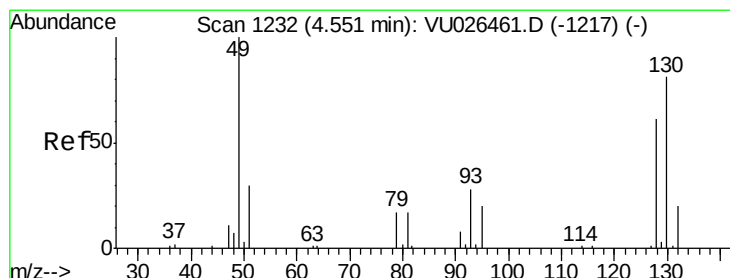
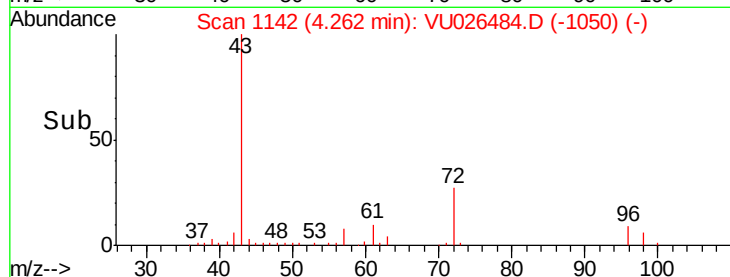
20000

10000

0

Time-->

4.20 4.30 4.40



#23

Bromochloromethane

Concen: 52.914 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Tgt Ion:128 Resp: 30816

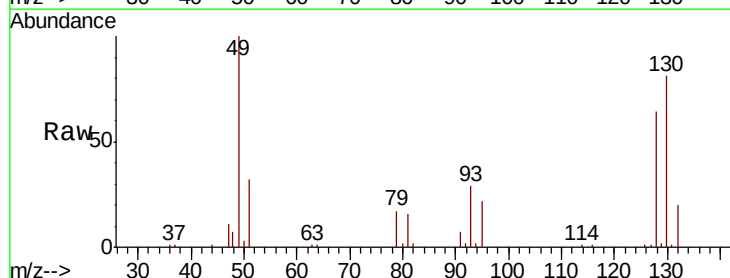
Ion Ratio Lower Upper

128 100

49 157.4 121.2 225.0

130 128.1 94.1 174.7

51 50.4 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026484.D (-1232) (-)

Ion 49.00 (48.70 to 49.70): VU026484.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU026484.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU026484.D (-1232) (-)

30000

25000

20000

15000

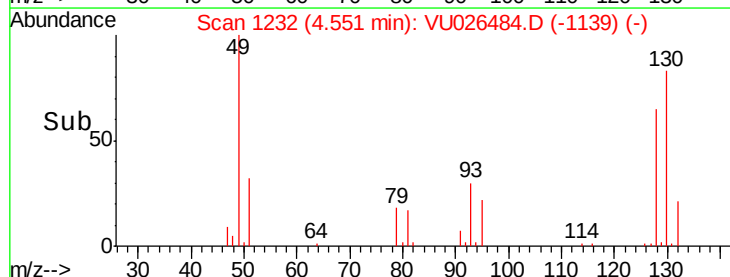
10000

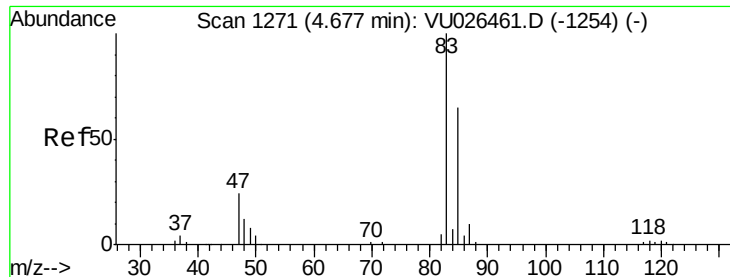
5000

0

Time-->

4.45 4.50 4.55 4.60 4.65

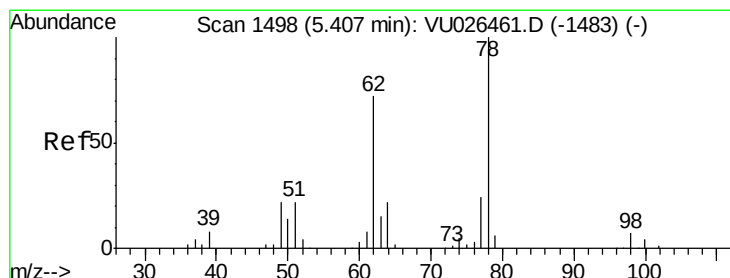
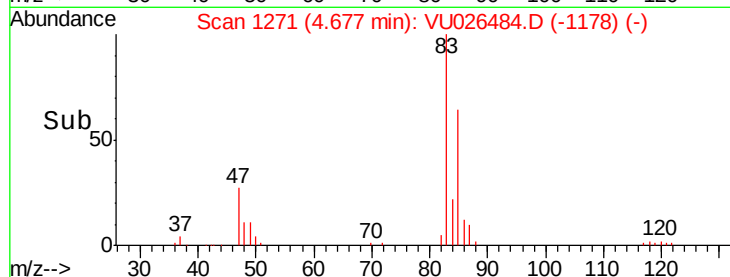
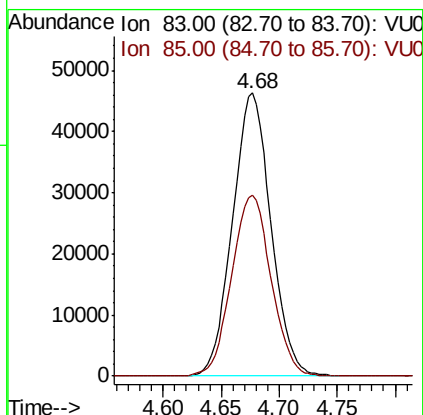
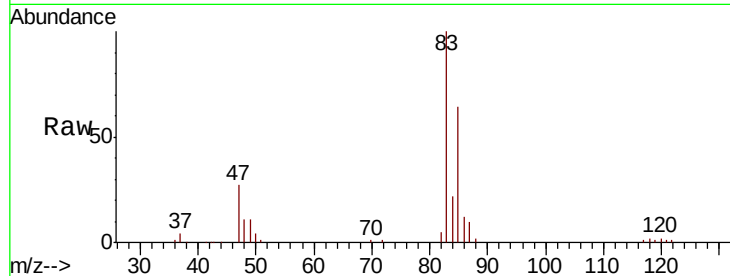




#25
Chloroform
Concen: 52.566 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

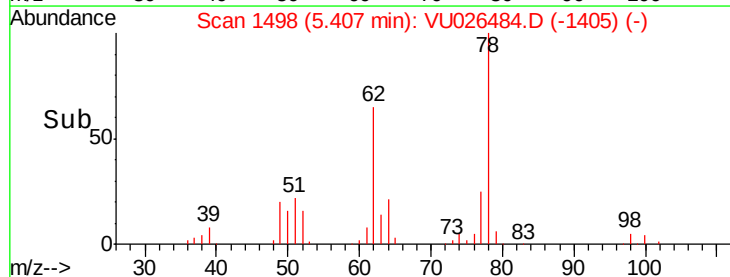
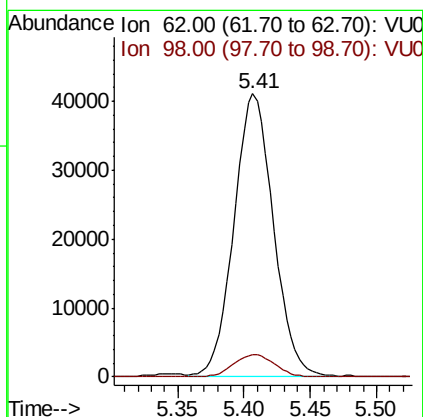
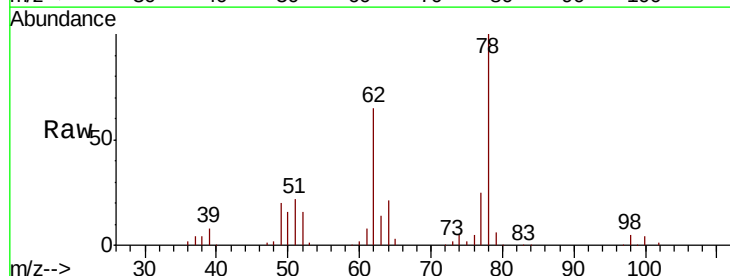
Instrument :
MSVOA_U
ClientSampleId :

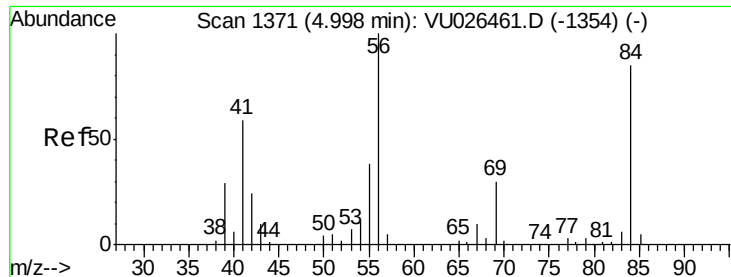
Tot Ion: 83 Resp: 106439
Ion Ratio Lower Upper
83 100
85 63.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 52.032 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

Tgt Ion: 62 Resp: 84972
Ion Ratio Lower Upper
62 100
98 7.8 6.8 10.2

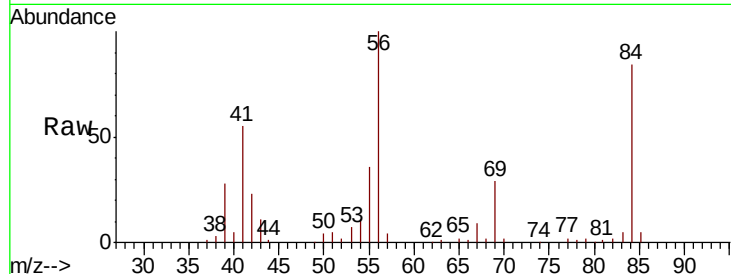




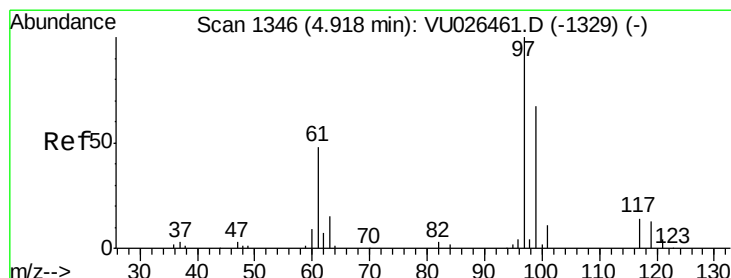
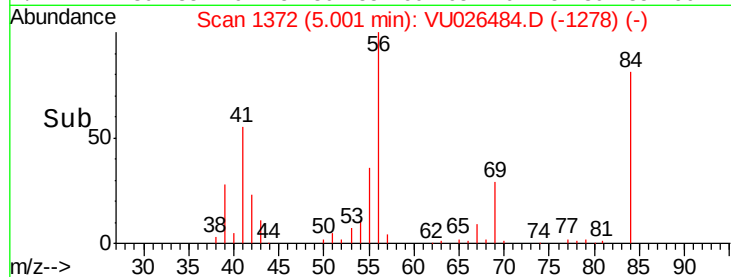
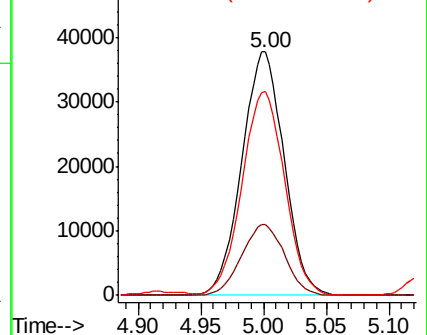
#29
Cyclohexane
Concen: 54.071 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 88510
Ion Ratio Lower Upper
56 100
69 29.4 24.0 36.0
84 83.5 67.2 100.8

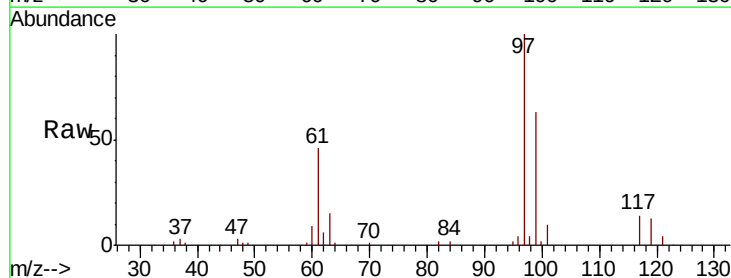


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

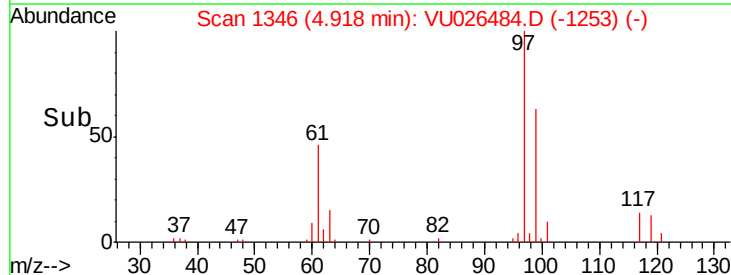
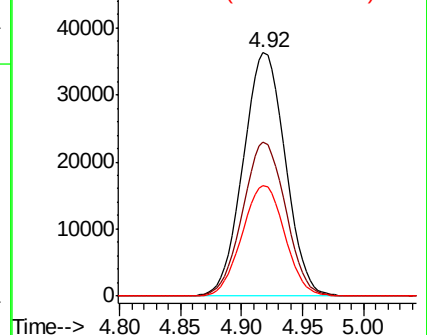


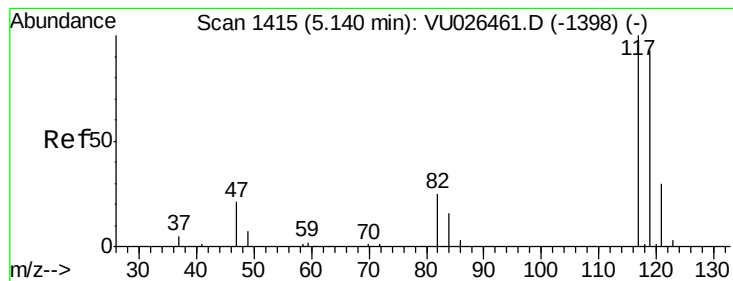
#30
1,1,1-Trichloroethane
Concen: 52.545 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

Tgt Ion: 97 Resp: 86871
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 46.0 37.9 56.9



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





#31

Carbon tetrachloride

Concen: 52.538 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :

MSVOA_U

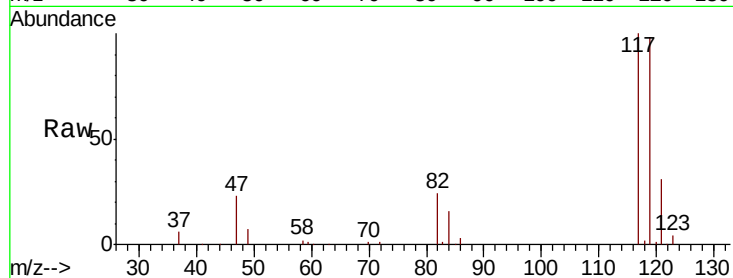
ClientSampleId :

Tot Ion:117 Resp: 78921

Ion Ratio Lower Upper

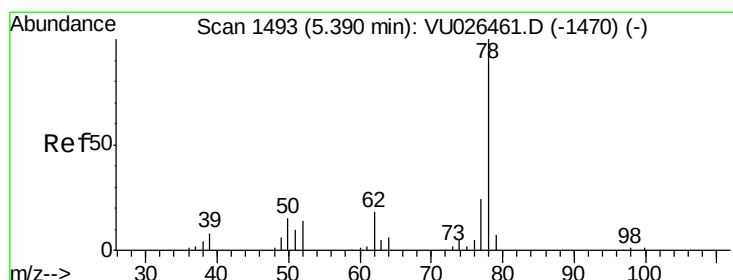
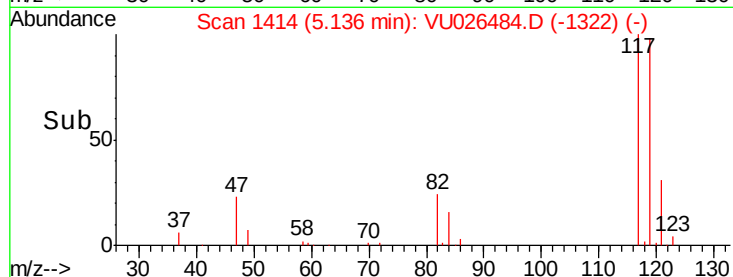
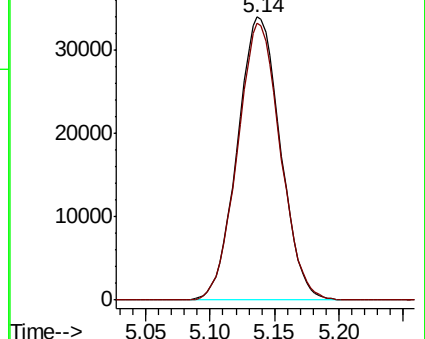
117 100

119 97.3 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.012 ug/L

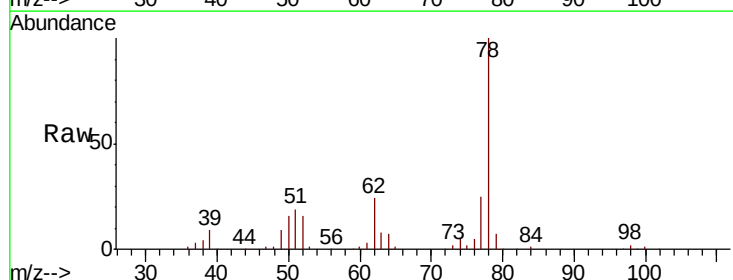
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

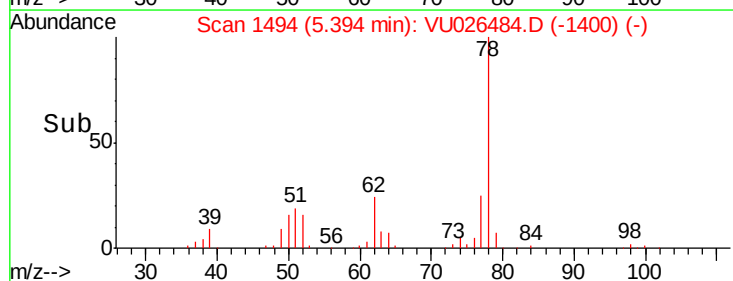
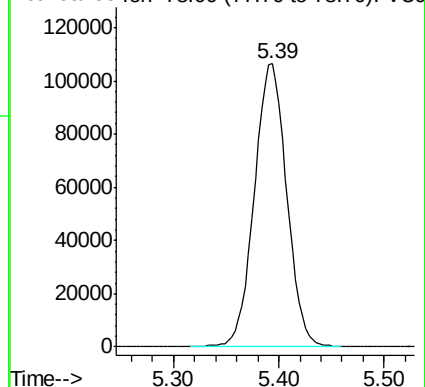
Lab File: VU026484.D

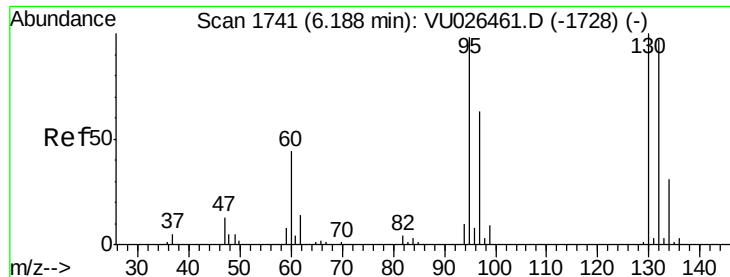
Acq: 31 Aug 2018 06:06

Tgt Ion: 78 Resp: 228329



Abundance Ion 78.00 (77.70 to 78.70): VU0

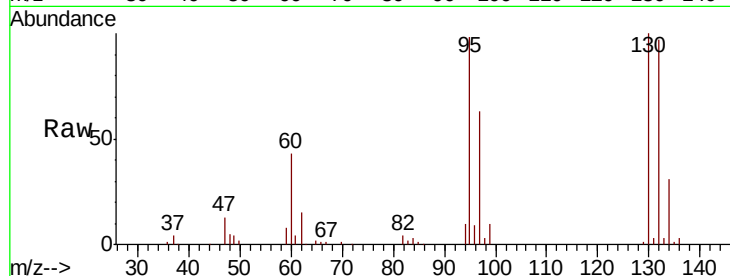




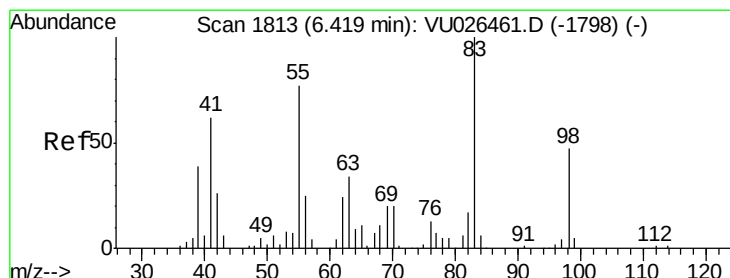
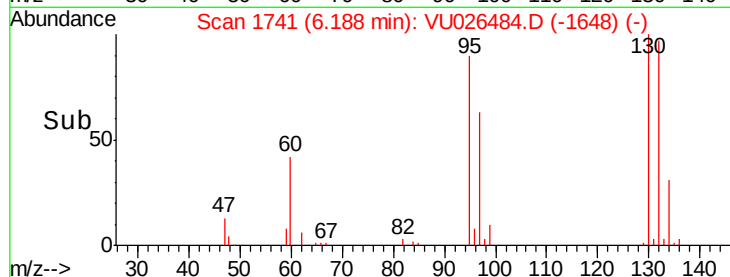
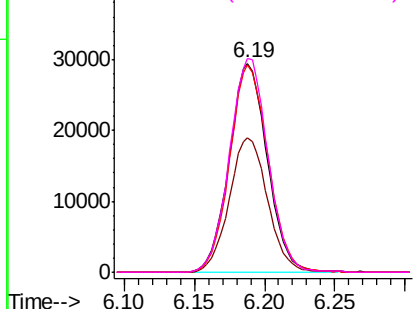
#34
 Trichloroethene
 Concen: 51.421 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 55553
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.1 83.7
 132 99.1 67.5 125.3
 130 102.1 69.3 128.7

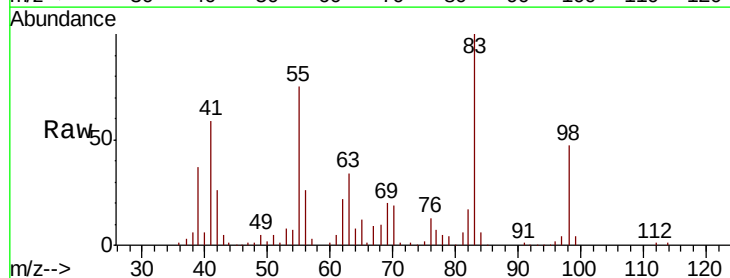


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

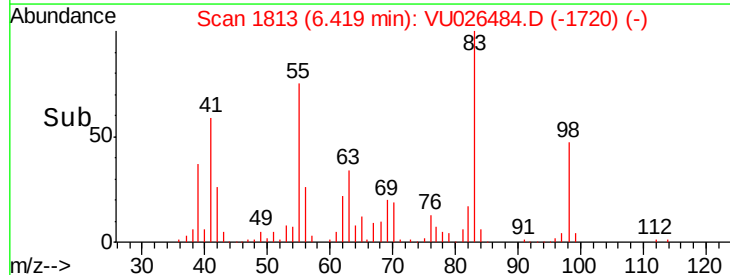
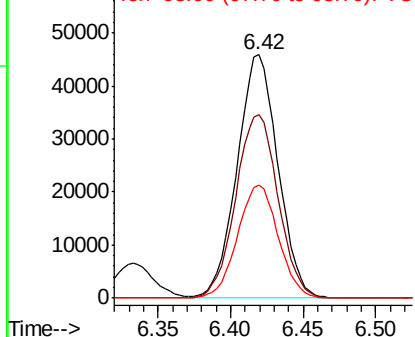


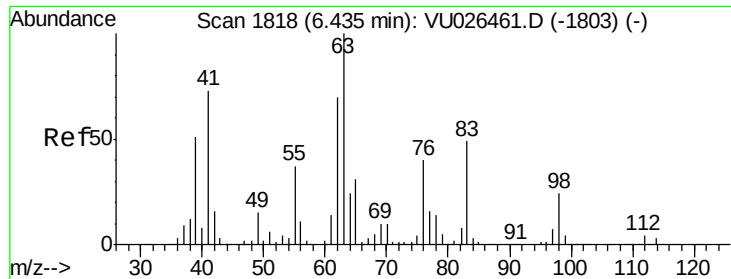
#35
 Methylcyclohexane
 Concen: 53.446 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Tgt Ion: 83 Resp: 90160
 Ion Ratio Lower Upper
 83 100
 55 77.8 63.3 94.9
 98 46.4 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

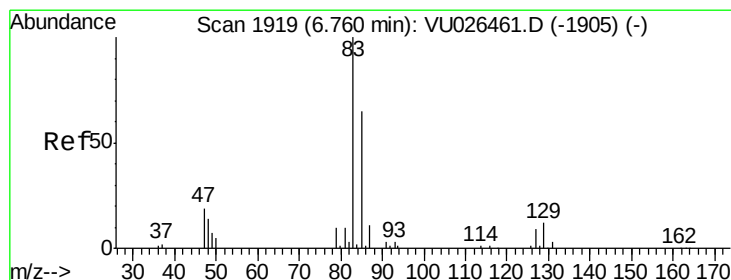
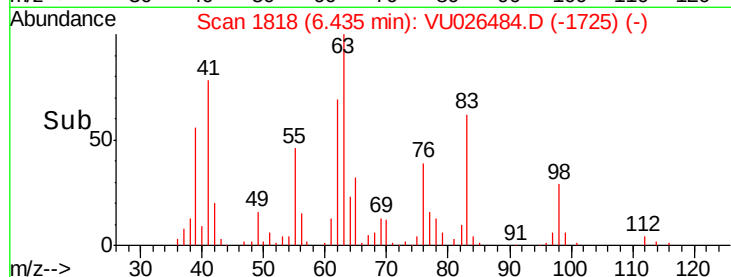
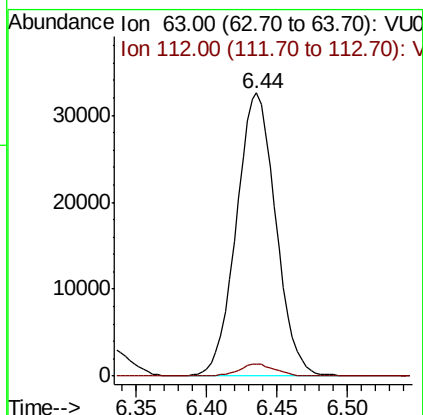
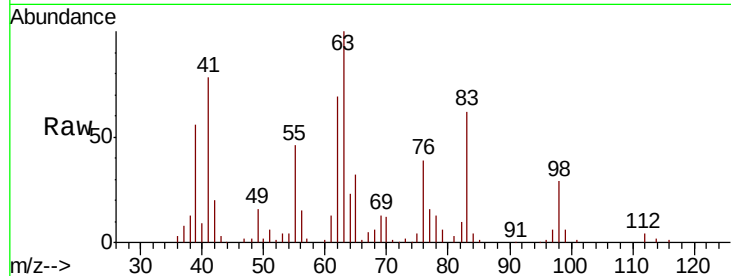




#37
 1,2-Dichloropropane
 Concen: 53.450 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

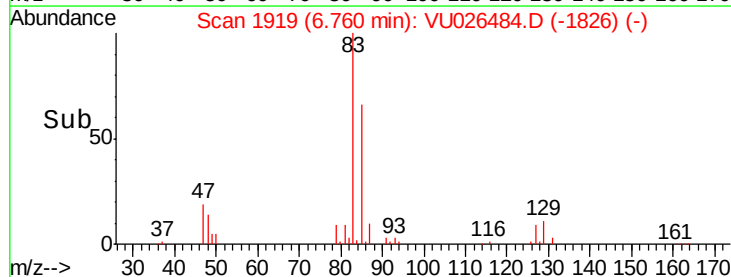
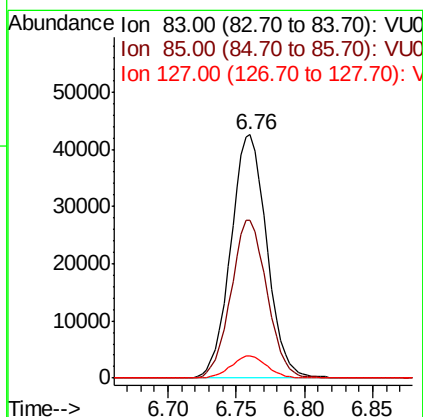
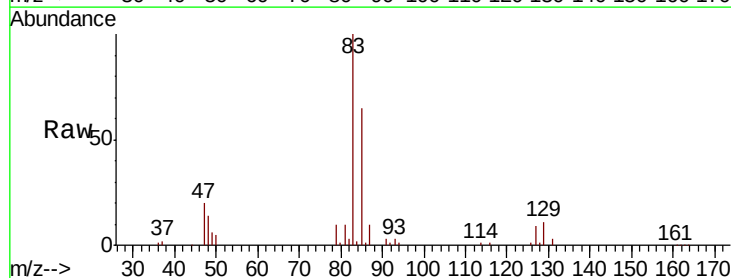
Instrument :
 MSVOA_U
 ClientSampleId :

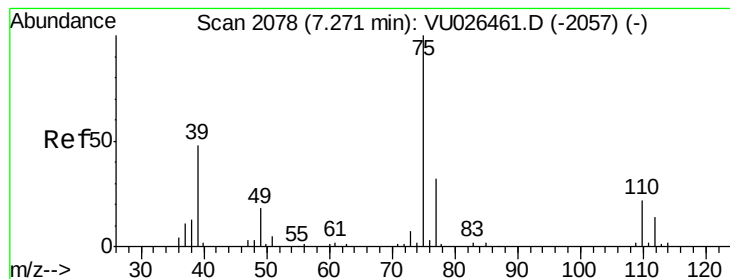
Tot Ion: 63 Resp: 63732
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 51.344 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Tgt Ion: 83 Resp: 78071
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.9 81.5
 127 9.4 7.0 10.6



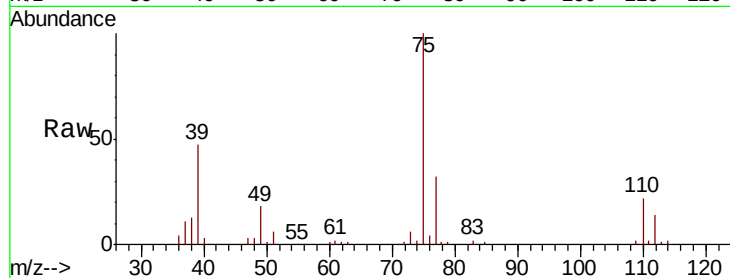


#39

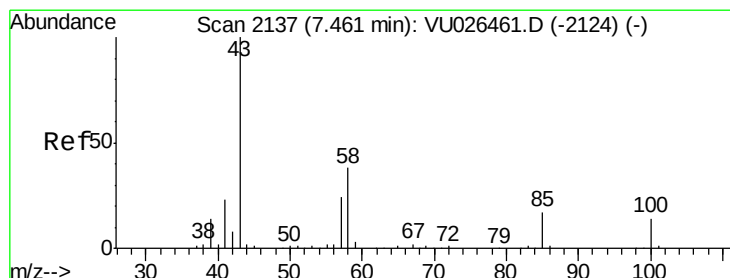
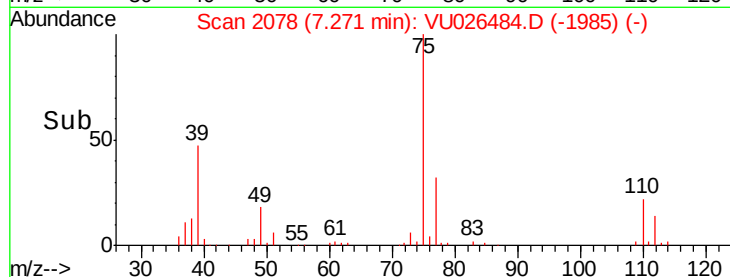
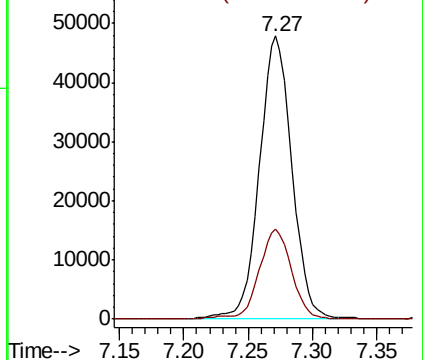
cis-1,3-Dichloropropene
 Concen: 49.532 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 84154
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.2 41.2



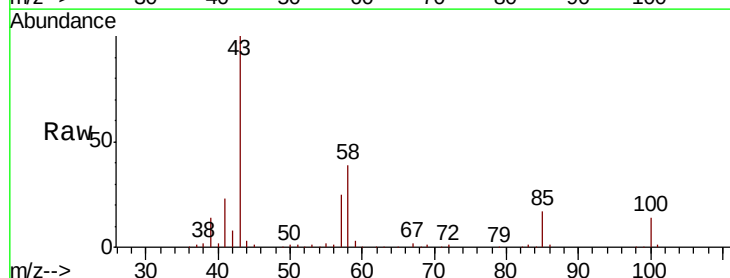
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0



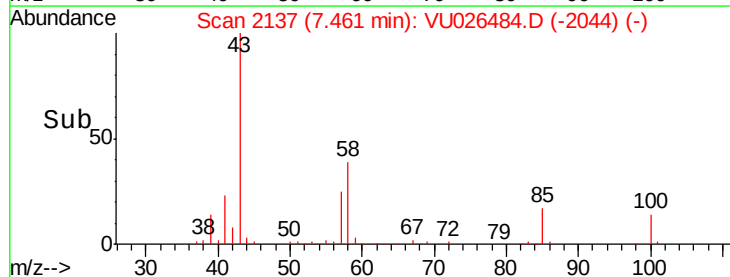
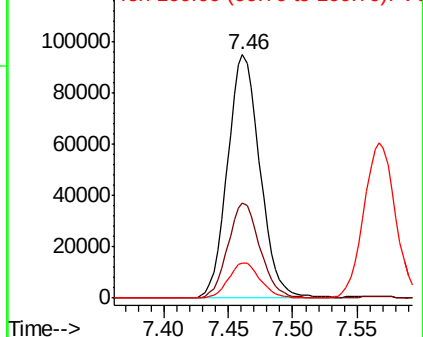
#40

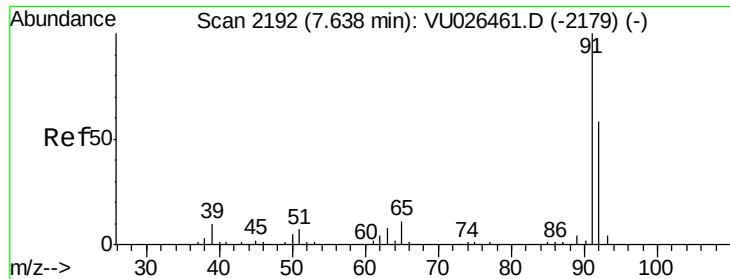
4-Methyl-2-pentanone
 Concen: 103.108 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Tgt Ion: 43 Resp: 165804
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.4 45.6
 100 14.1 11.0 16.4



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





#42

Toluene

Concen: 53.353 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

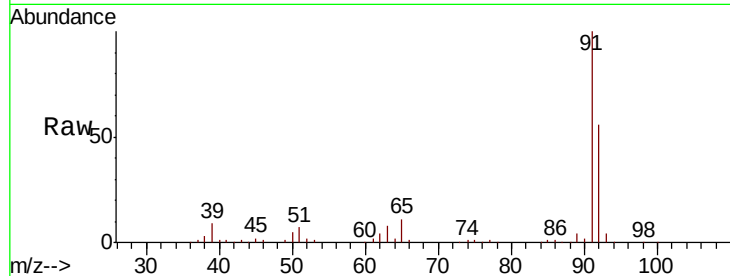
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 239783

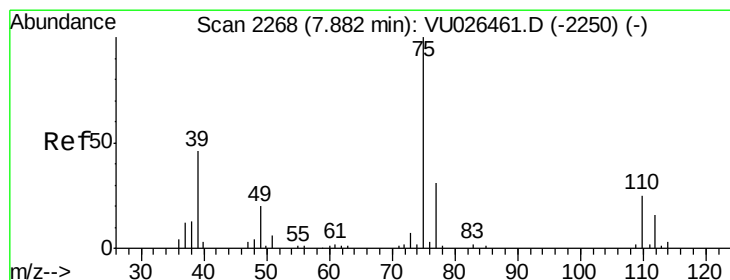
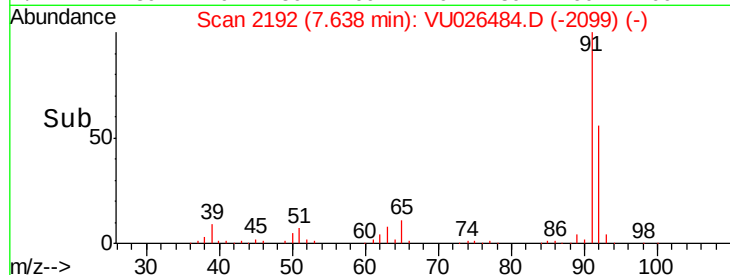
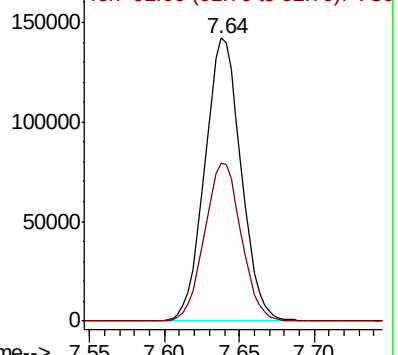
Ion Ratio Lower Upper

91 100

92 55.8 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 48.832 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026484.D

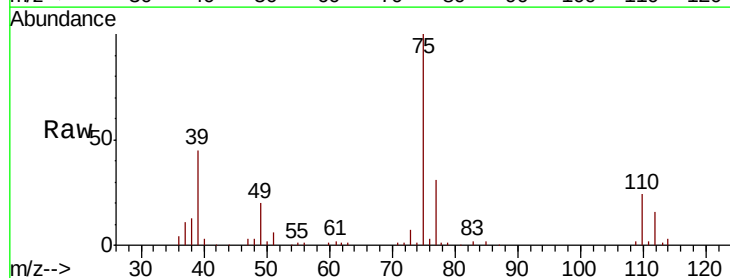
Acq: 31 Aug 2018 06:06

Tgt Ion: 75 Resp: 79077

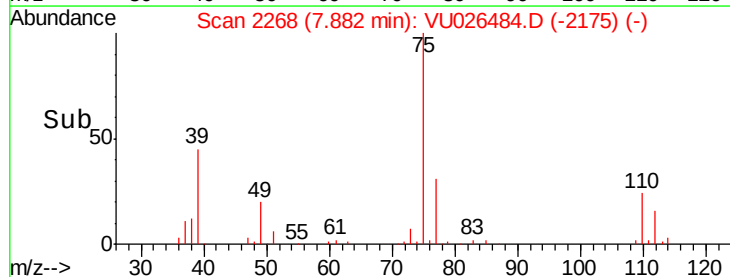
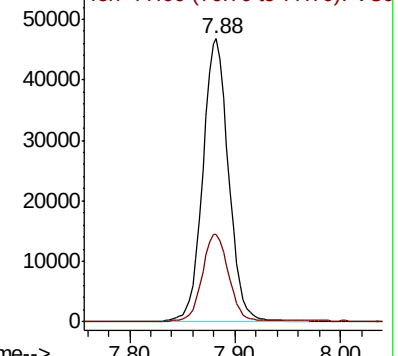
Ion Ratio Lower Upper

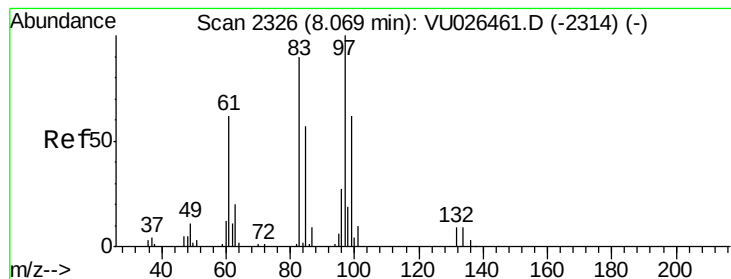
75 100

77 31.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 51.979 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 56778

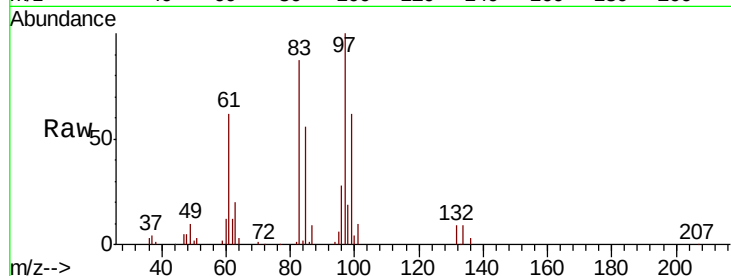
Ion Ratio Lower Upper

97 100

99 62.3 43.9 81.5

83 87.5 62.7 116.5

85 56.2 39.4 73.2

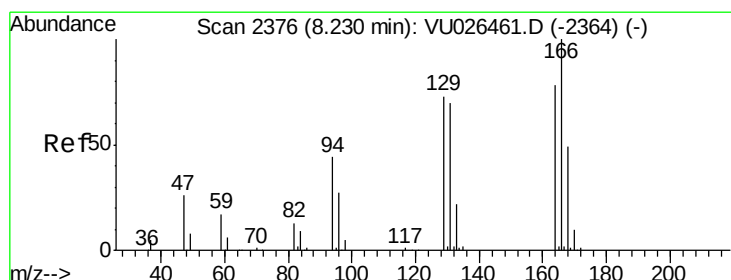
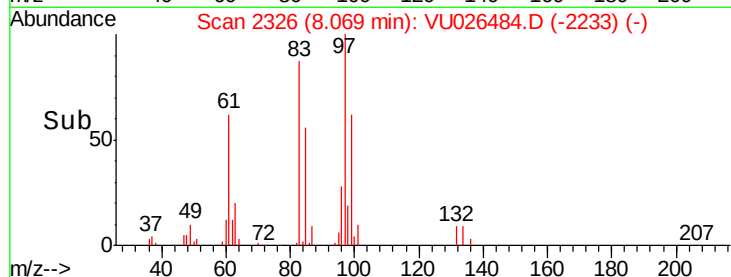
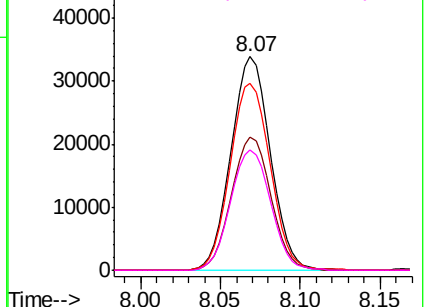


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 57.124 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Tgt Ion: 164 Resp: 50456

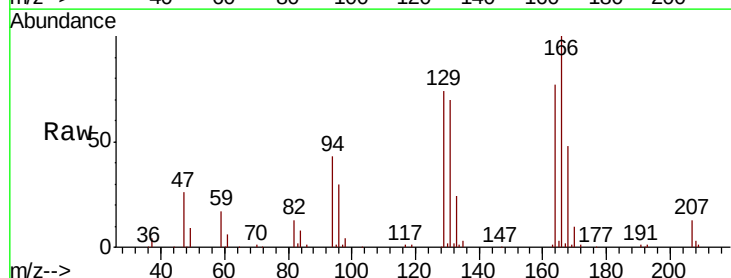
Ion Ratio Lower Upper

164 100

129 95.7 67.3 125.1

131 90.7 65.3 121.3

166 130.0 90.9 168.7

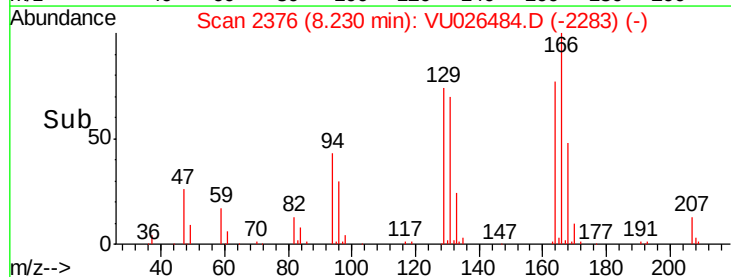
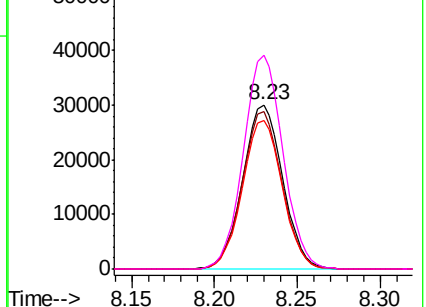


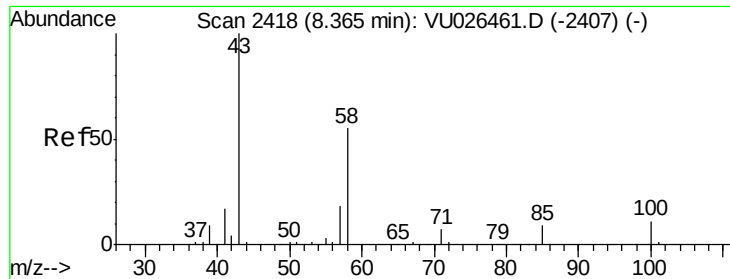
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

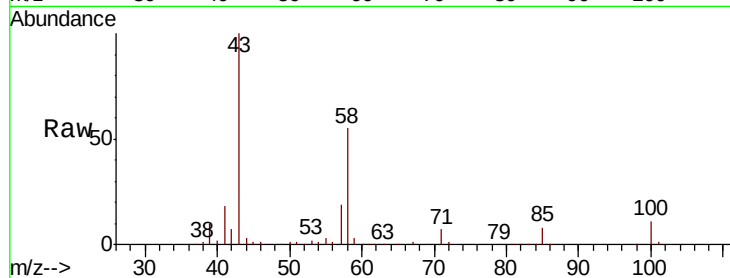




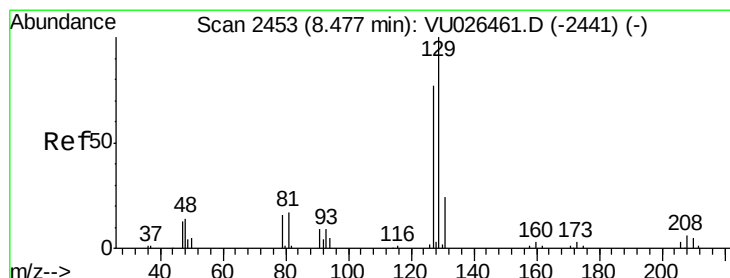
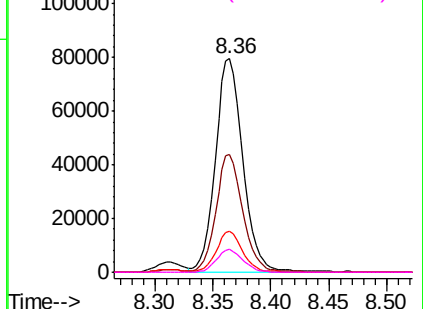
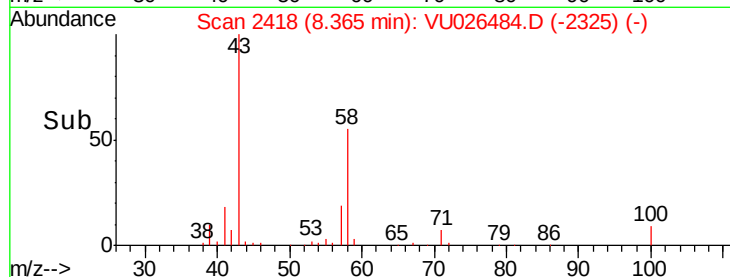
#48
2-Hexanone
Concen: 103.352 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 130893
Ion Ratio Lower Upper
43 100
58 53.5 42.2 63.4
57 18.4 14.6 21.8
100 10.5 8.3 12.5

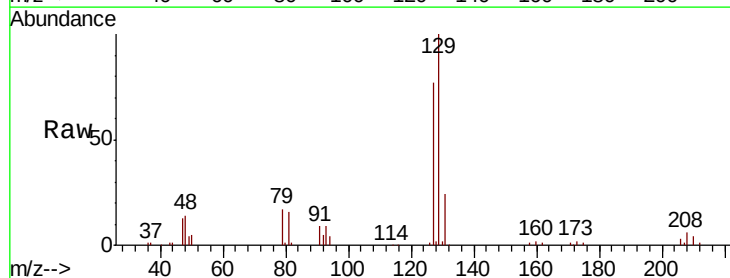


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

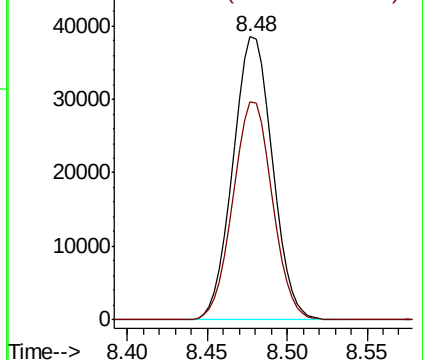
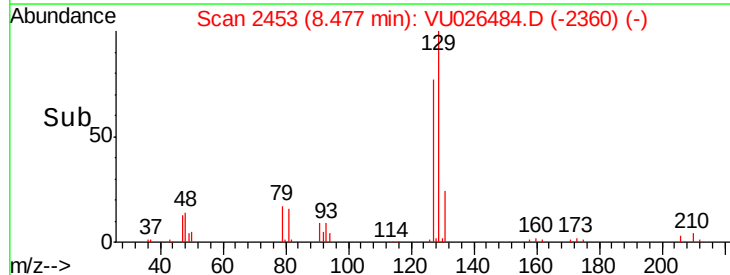


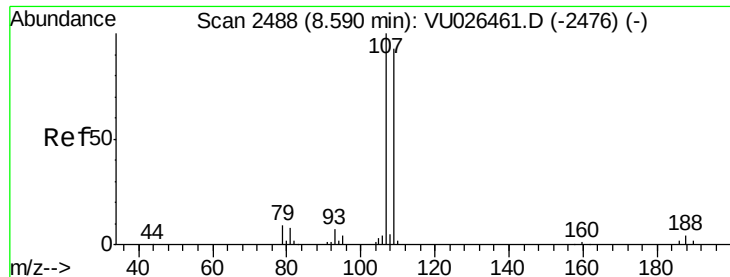
#49
Dibromochloromethane
Concen: 52.876 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

Tgt Ion: 129 Resp: 65079
Ion Ratio Lower Upper
129 100
127 76.9 55.0 102.2



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





#50

1,2-Dibromoethane

Concen: 53.041 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :

MSVOA_U

ClientSampleId :

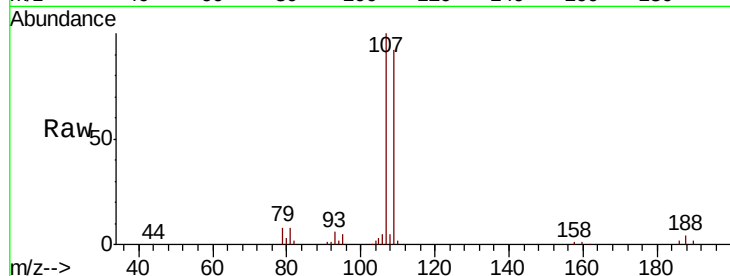
Tot Ion:107 Resp: 61696

Ion Ratio Lower Upper

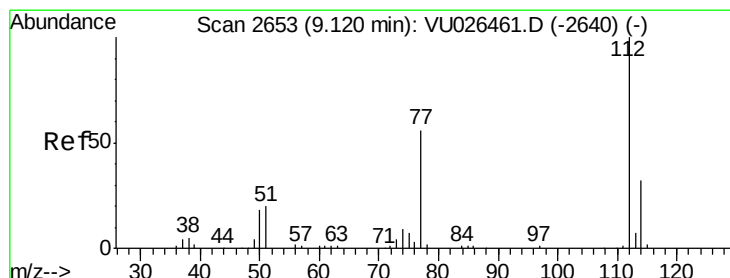
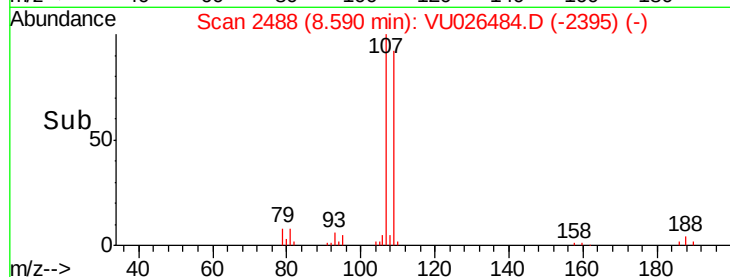
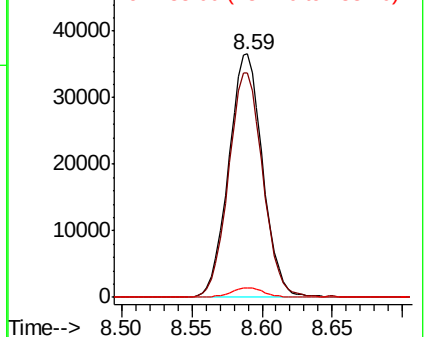
107 100

109 92.2 63.4 117.8

188 4.0 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.541 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

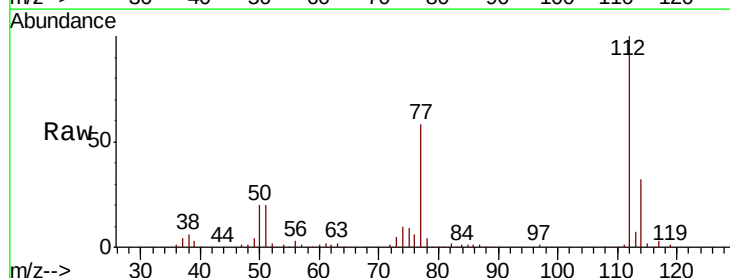
Tgt Ion:112 Resp: 154902

Ion Ratio Lower Upper

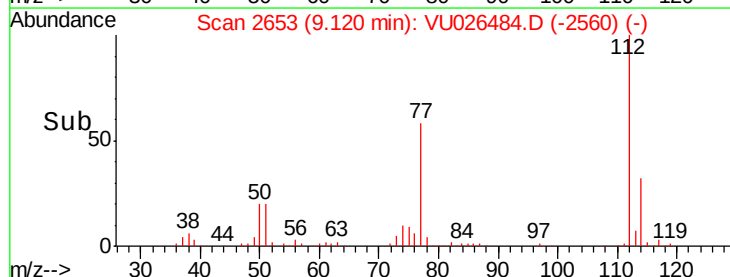
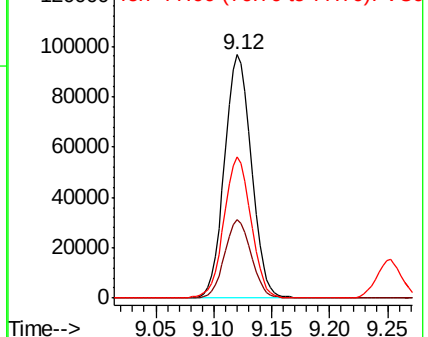
112 100

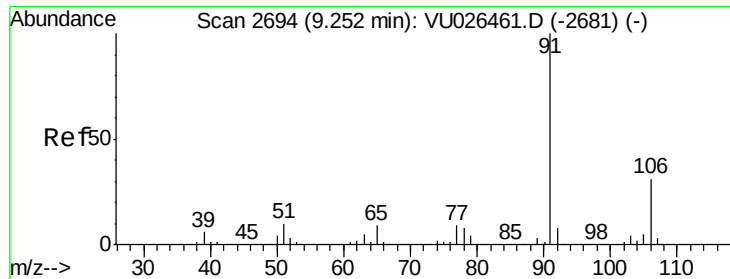
114 32.1 23.2 43.2

77 57.8 47.3 70.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

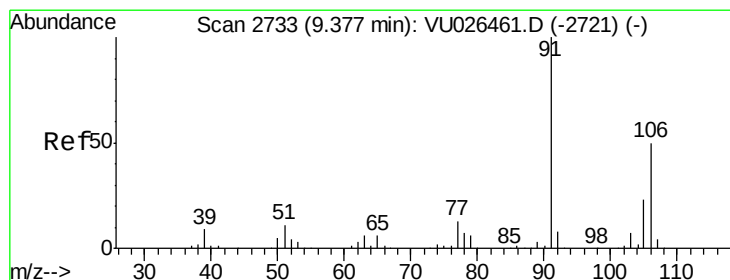
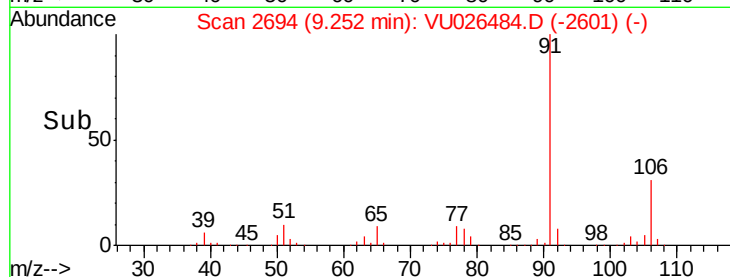
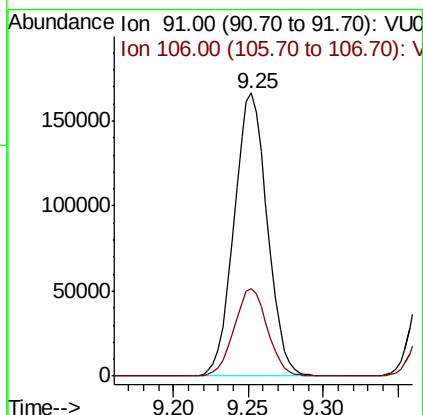
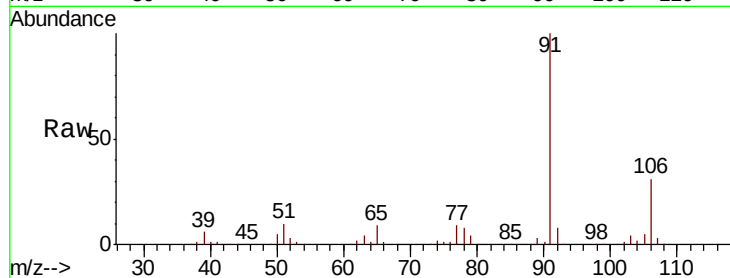




#52
Ethylbenzene
Concen: 52.504 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

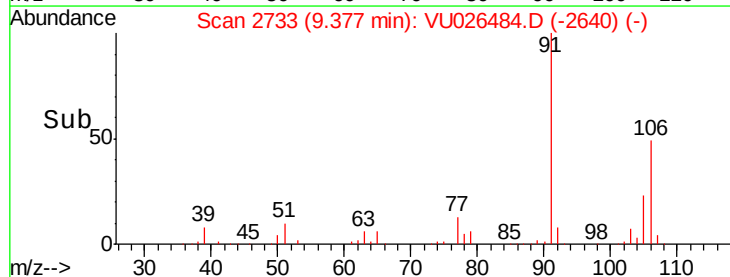
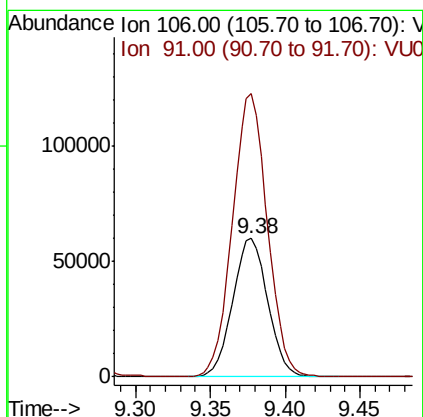
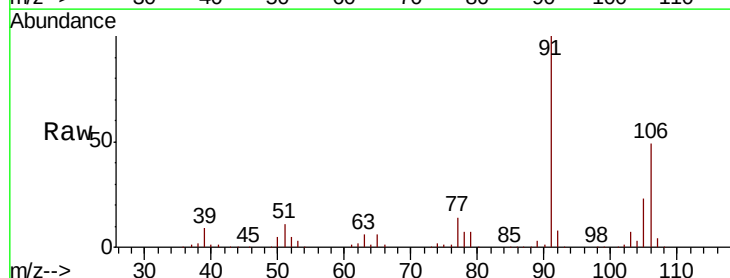
Instrument :
MSVOA_U
ClientSampleId :

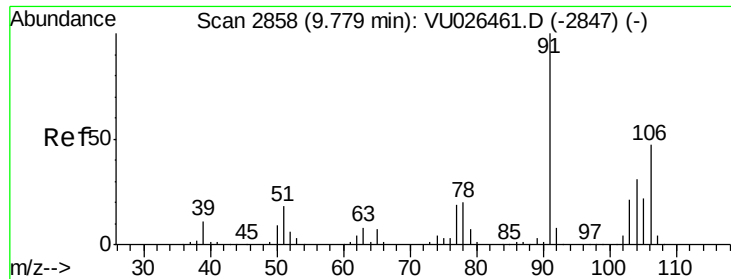
Tot Ion: 91 Resp: 256637
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-Xylene
Concen: 53.628 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU026484.D
Acq: 31 Aug 2018 06:06

Tgt Ion: 106 Resp: 97878
Ion Ratio Lower Upper
106 100
91 204.6 143.0 265.6





#54

o-xylene

Concen: 55.370 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :

MSVOA_U

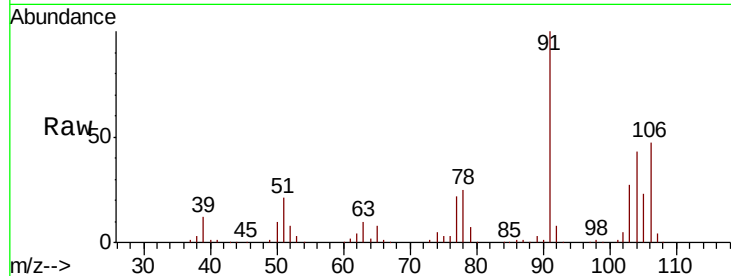
ClientSampleId :

Tot Ion:106 Resp: 98549

Ion Ratio Lower Upper

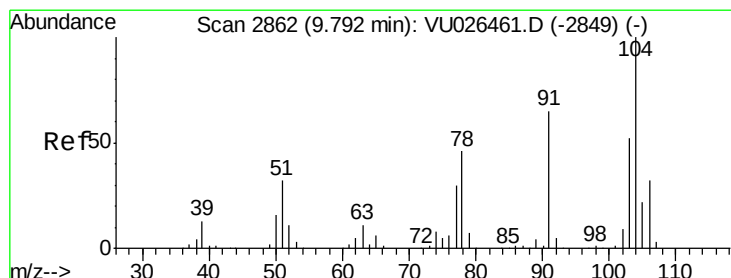
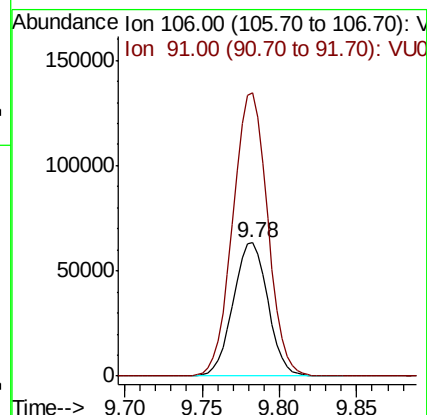
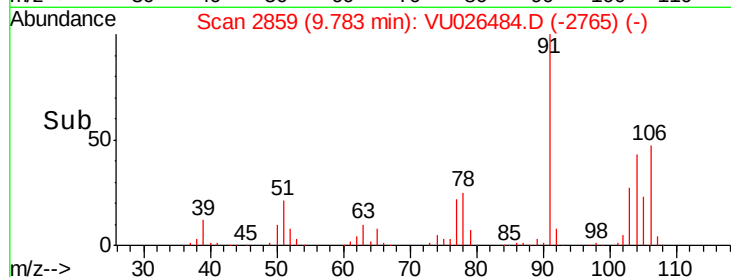
106 100

91 211.9 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.226 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU026484.D

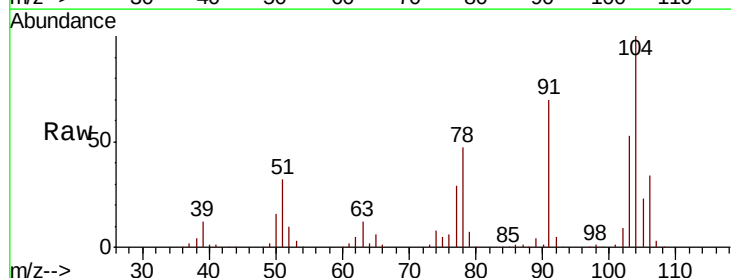
Acq: 31 Aug 2018 06:06

Tgt Ion:104 Resp: 168600

Ion Ratio Lower Upper

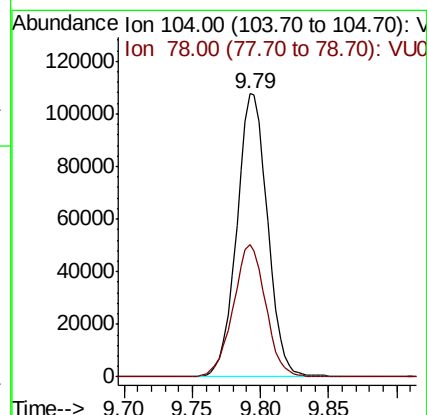
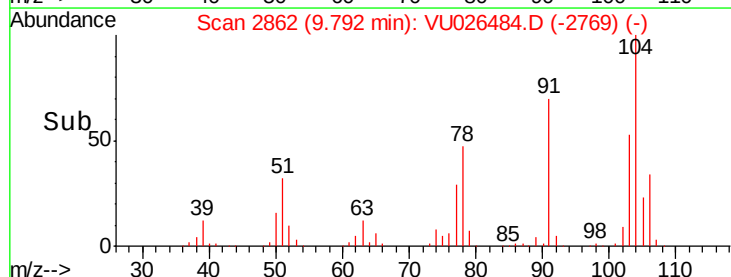
104 100

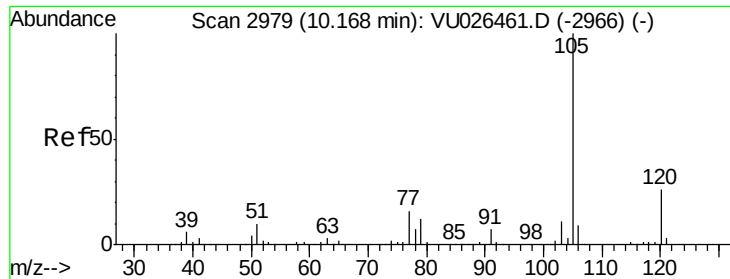
78 46.7 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.330 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :

MSVOA_U

ClientSampled :

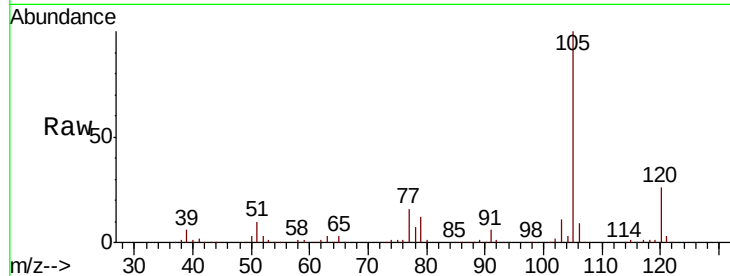
Tot Ion:105 Resp: 253126

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

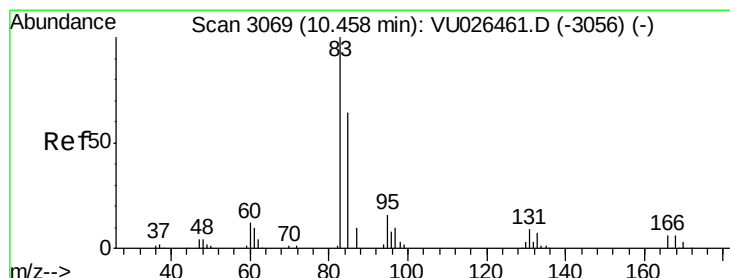
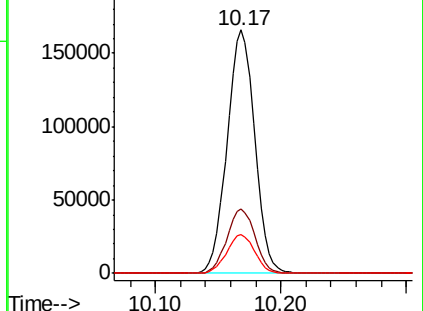
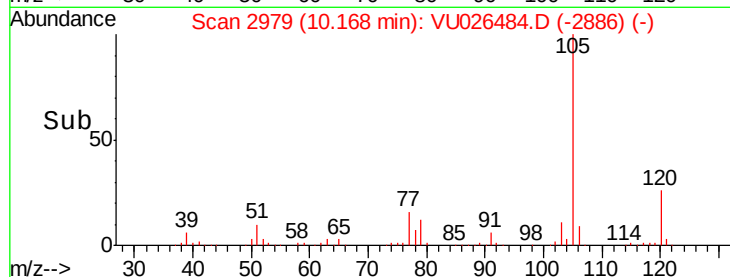
77 16.0 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.131 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

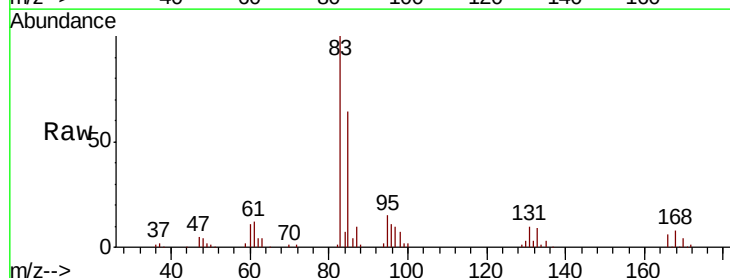
Tgt Ion: 83 Resp: 98382

Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

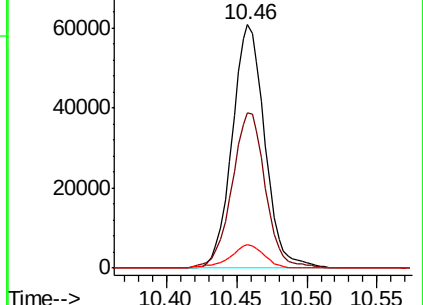
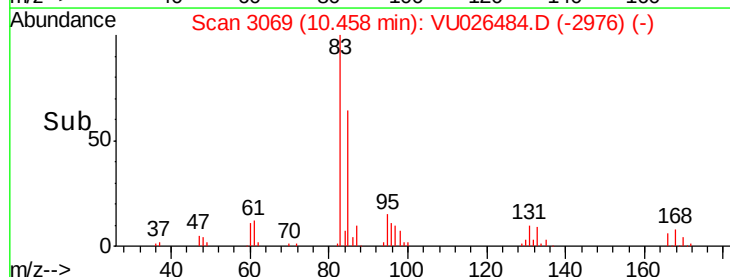
131 9.7 7.8 11.8

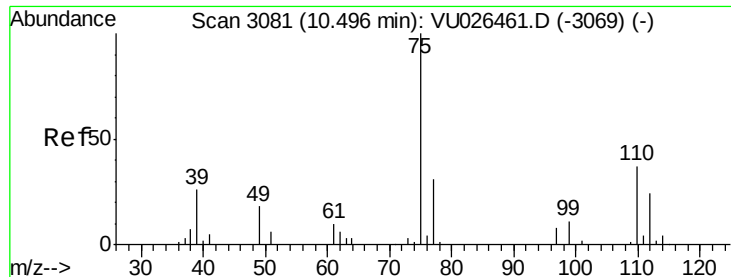


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

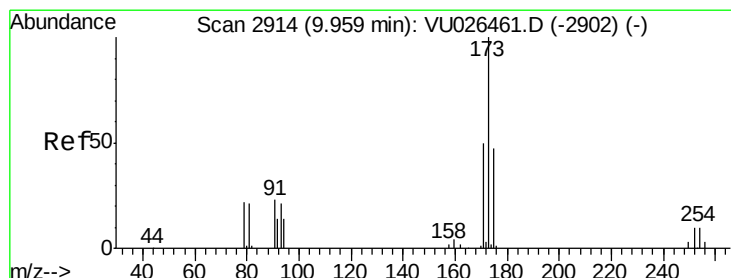
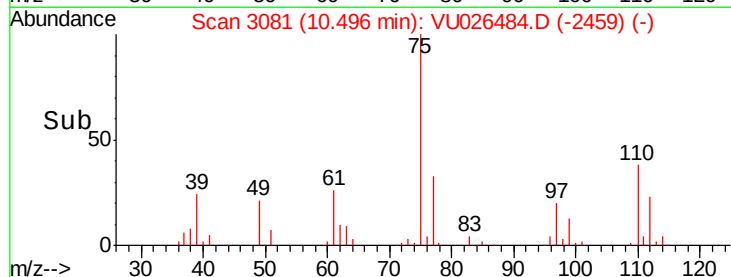
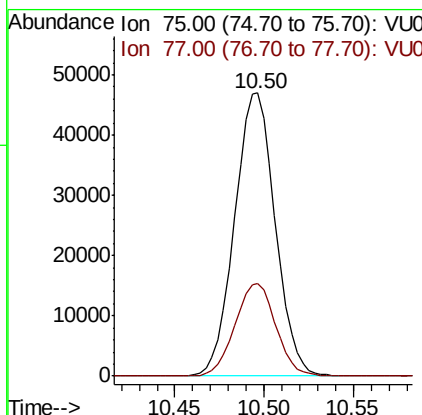
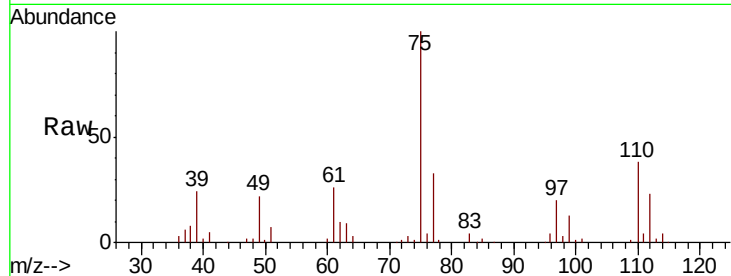




#59
 1,2,3-Trichloropropane
 Concen: 50.202 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

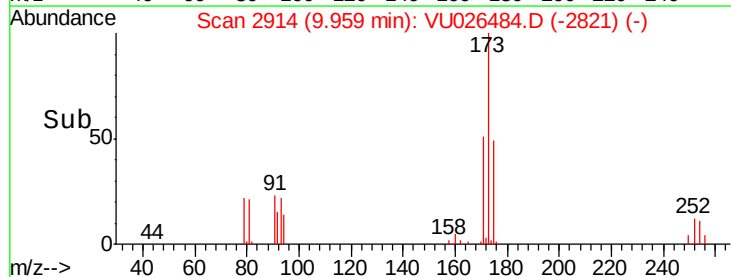
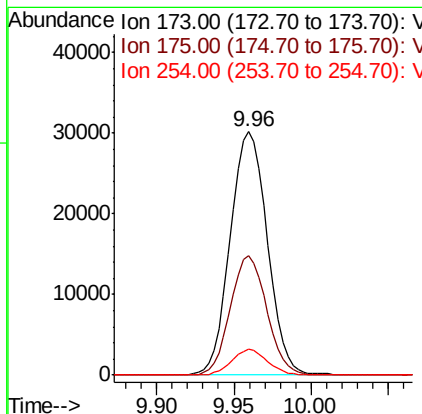
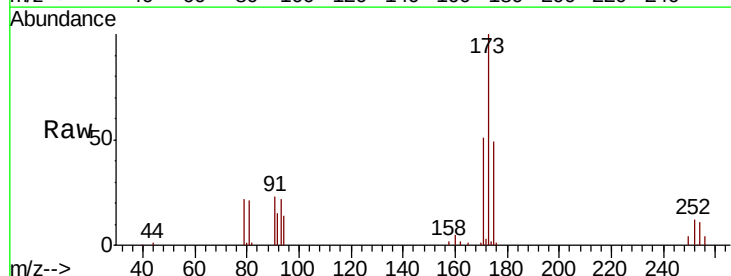
Instrument :
 MSVOA_U
 ClientSampleId :

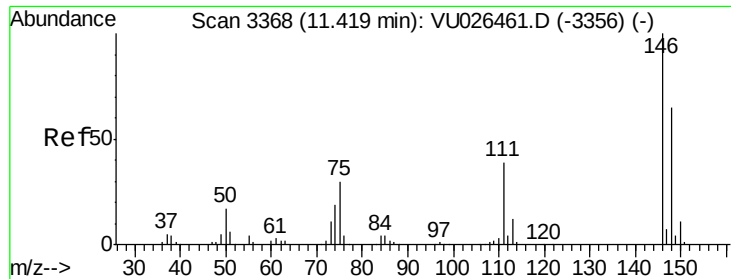
Tot Ion: 75 Resp: 74692
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.6



#61
 Bromoform
 Concen: 53.973 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Tgt Ion:173 Resp: 50319
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.5 57.7
 254 10.1 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 52.312 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Instrument :

MSVOA_U

ClientSampleId :

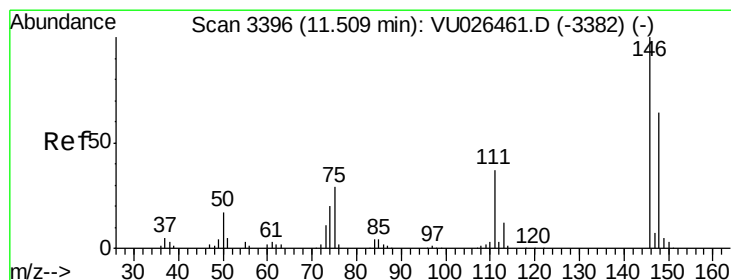
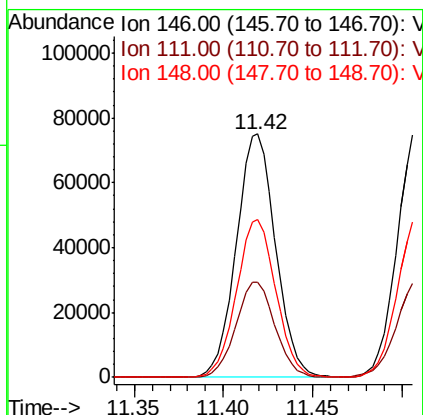
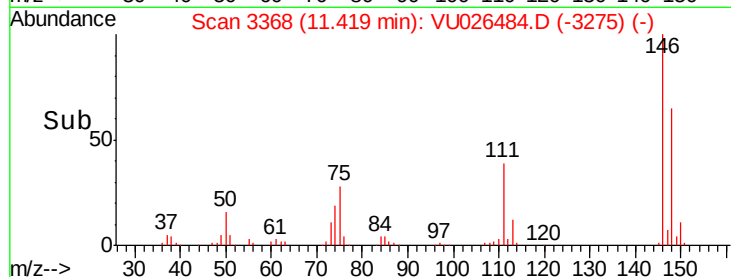
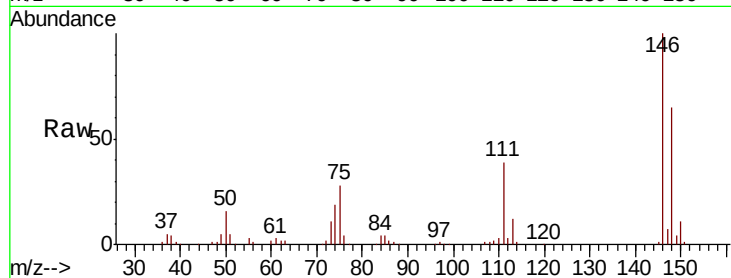
Tot Ion:146 Resp: 115632

Ion Ratio Lower Upper

146 100

111 38.9 27.5 51.1

148 64.7 44.9 83.3



#63

1,4-Dichlorobenzene

Concen: 51.314 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

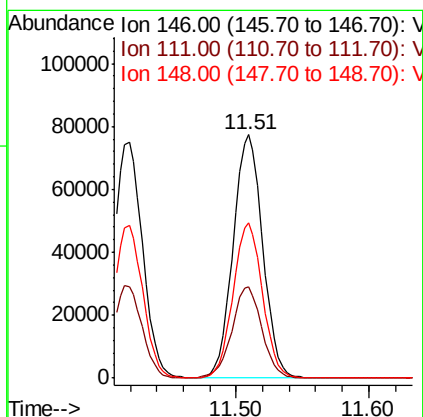
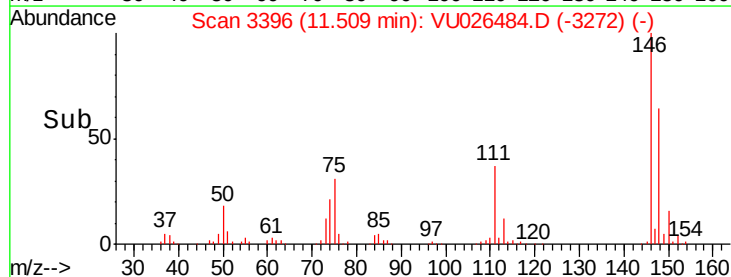
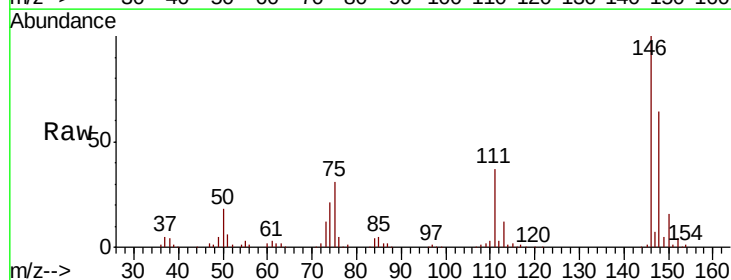
Tgt Ion:146 Resp: 119970

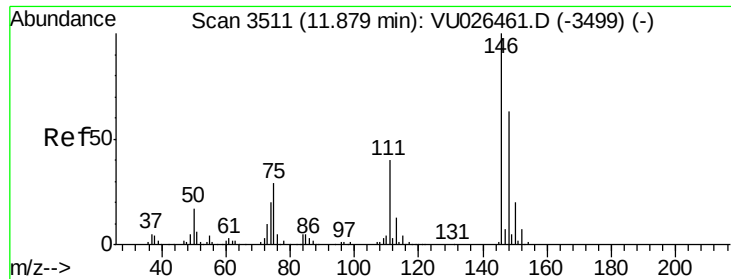
Ion Ratio Lower Upper

146 100

111 37.3 26.2 48.6

148 63.8 44.9 83.5

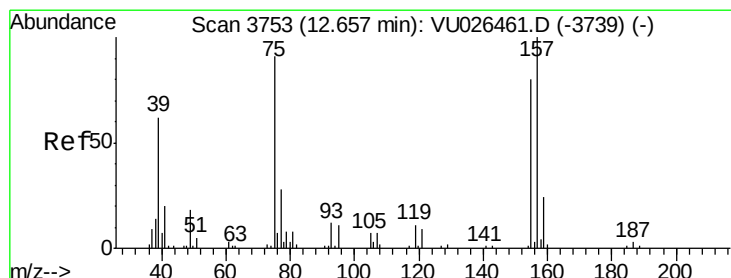
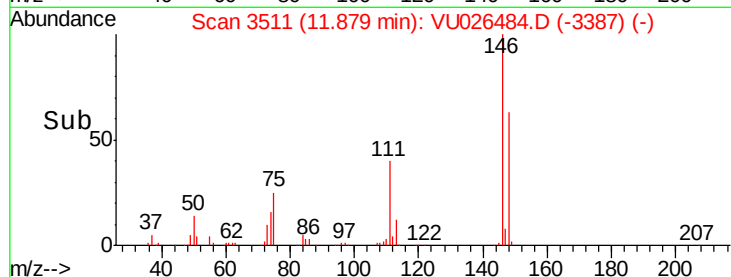
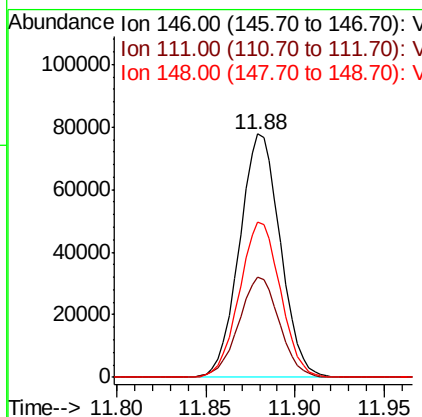
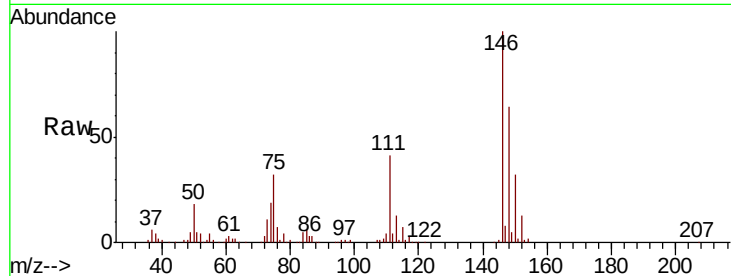




#65
 1,2-Dichlorobenzene
 Concen: 53.384 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

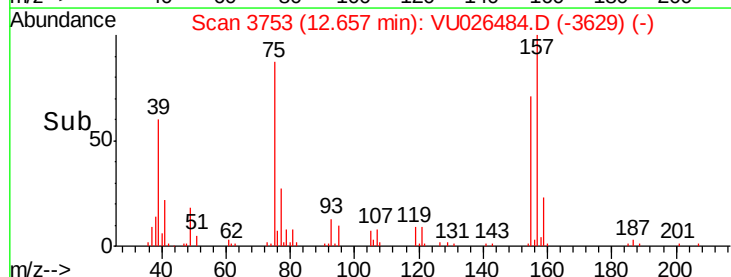
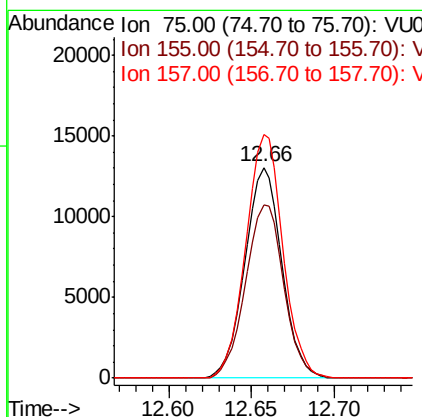
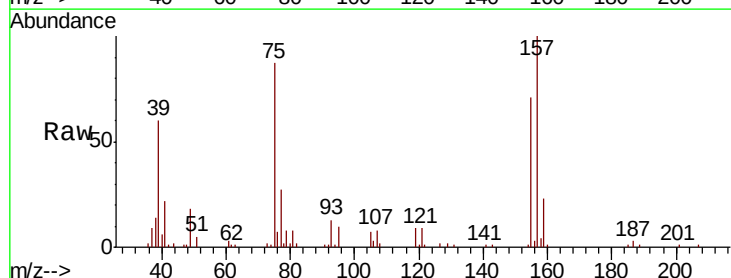
Instrument :
 MSVOA_U
 ClientSampled :

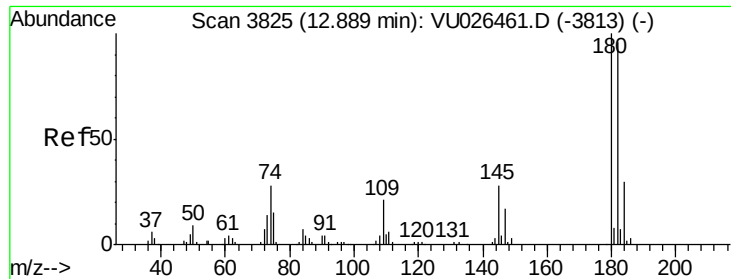
Tot Ion:146 Resp: 124461
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.0 48.0
 148 63.5 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.654 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Tgt Ion: 75 Resp: 20250
 Ion Ratio Lower Upper
 75 100
 155 82.2 69.8 104.8
 157 115.5 89.8 134.8

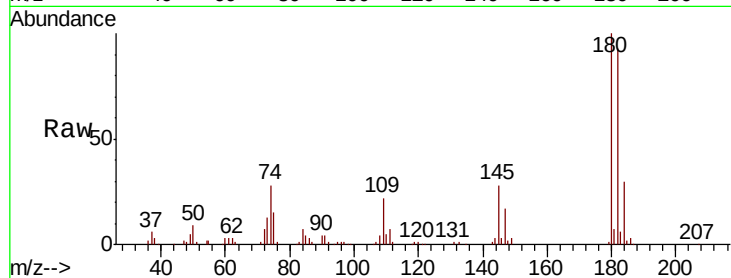




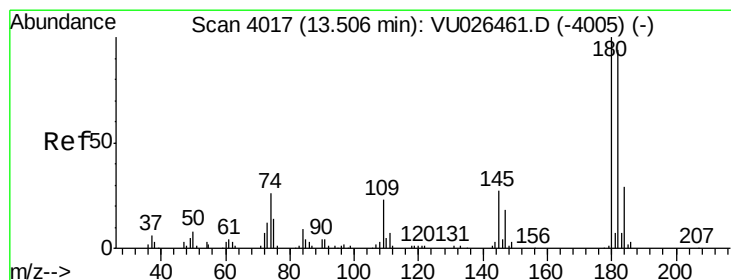
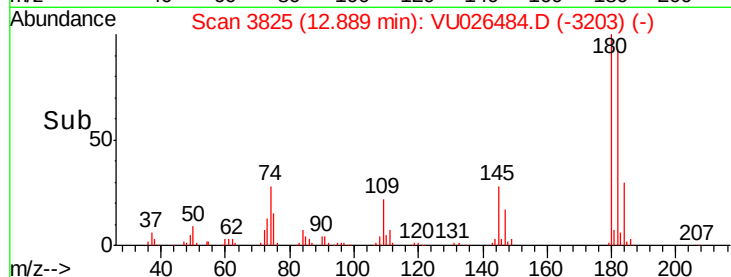
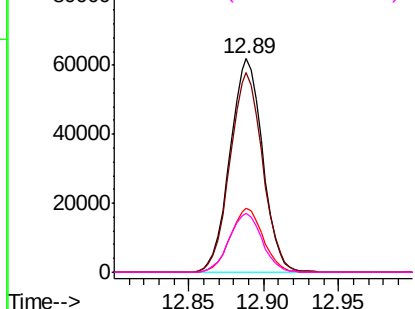
#67
 1,3,5-Trichlorobenzene
 Concen: 52.701 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 94011
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.5 114.7
 184 30.1 25.0 37.4
 145 27.9 22.3 33.5

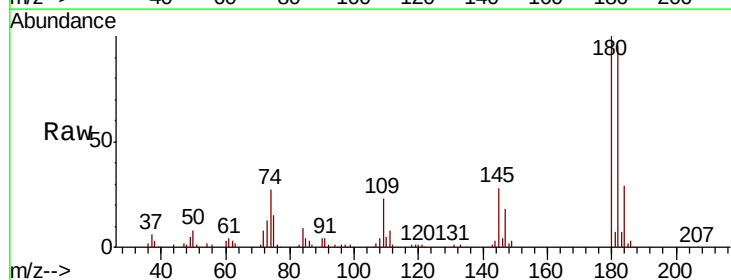


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

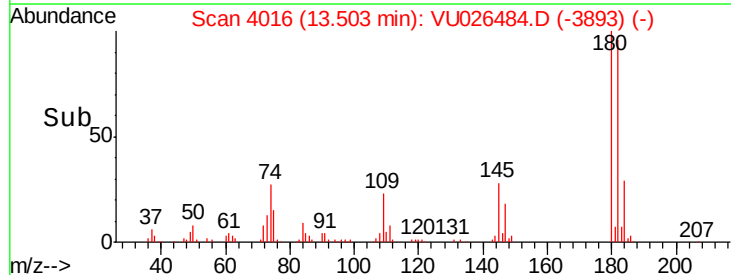
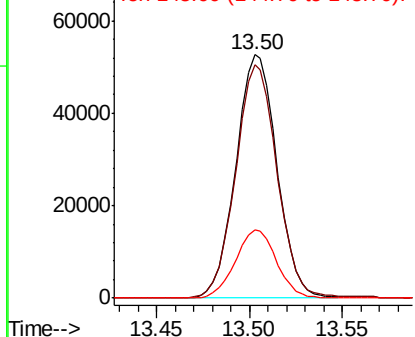


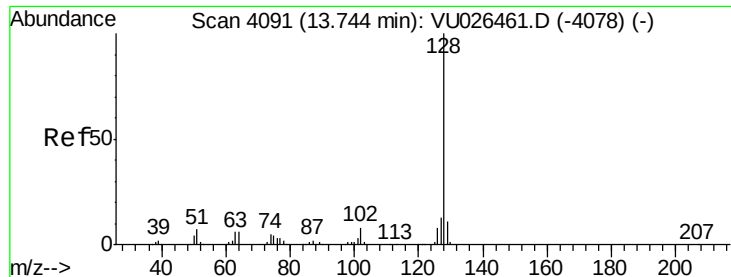
#68
 1,2,4-trichlorobenzene
 Concen: 51.995 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026484.D
 Acq: 31 Aug 2018 06:06

Tgt Ion:180 Resp: 81011
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.6 114.8
 145 27.9 22.4 33.6



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





#69

Naphthalene

Concen: 54.946 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

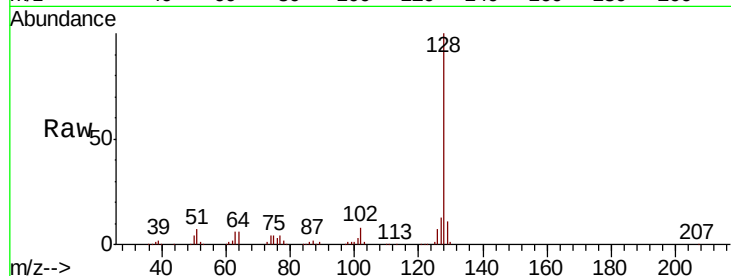
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 267295

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7

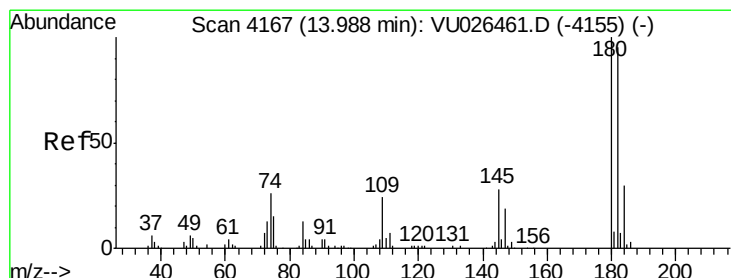
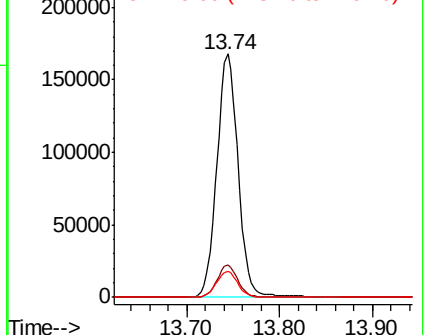
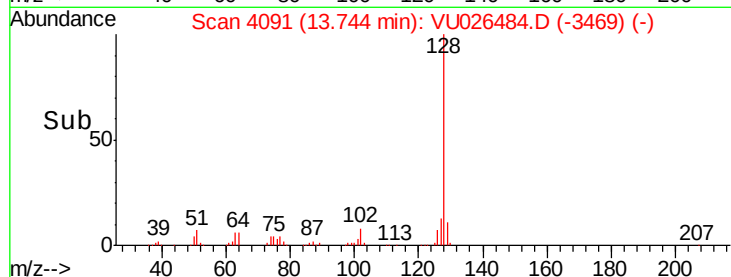


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.465 ug/L

RT: 13.99 min Scan# 4167

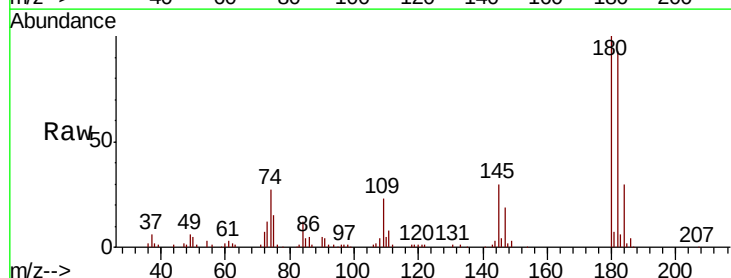
Delta R.T. -0.00 min

Lab File: VU026484.D

Acq: 31 Aug 2018 06:06

Tgt Ion:180 Resp: 91467

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.5	114.7
145	29.8	23.9	35.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

