

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082818\
 Data File : VU026420.D
 Acq On : 29 Aug 2018 00:34
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 01:42:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 00:08:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	61524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	62590	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	31985	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38668	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.68	69	30468	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.27	63	68535	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	4.20	46	71132	46.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.86%
24) Chloroform-d	4.65	84	46926	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.31	65	27927	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.34	84	101236	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.34	67	32997	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.57	98	99059	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.85	79	11627	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.32	63	57995	50.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26070	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	35108	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	27990	4.742	ug/L 97
3) Chloromethane	1.33	50	35974	4.606	ug/L 97
5) Vinyl chloride	1.40	62	39962	5.081	ug/L 100
6) Bromomethane	1.63	94	20320	5.374	ug/L 99
8) Chloroethane	1.70	64	23341	5.043	ug/L 97
9) Trichlorofluoromethane	1.89	101	48968	5.225	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	28586	5.200	ug/L 97
12) 1,1-Dichloroethene	2.28	96	27193	5.396	ug/L 94
13) Acetone	2.32	43	54683	48.867	ug/L 99
14) Carbon disulfide	2.48	76	94645	5.115	ug/L 100
15) Methyl Acetate	2.62	43	15351	4.864	ug/L 99
16) Methylene chloride	2.70	84	30805	4.891	ug/L 98
17) Methyl tert-butyl Ether	3.01	73	68410	5.409	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	28853	5.242	ug/L 98
19) 1,1-Dichloroethane	3.44	63	59359	5.198	ug/L 99
21) 2-Butanone	4.28	43	69526	48.425	ug/L 96
22) cis-1,2-Dichloroethene	4.23	96	26564	4.763	ug/L 96

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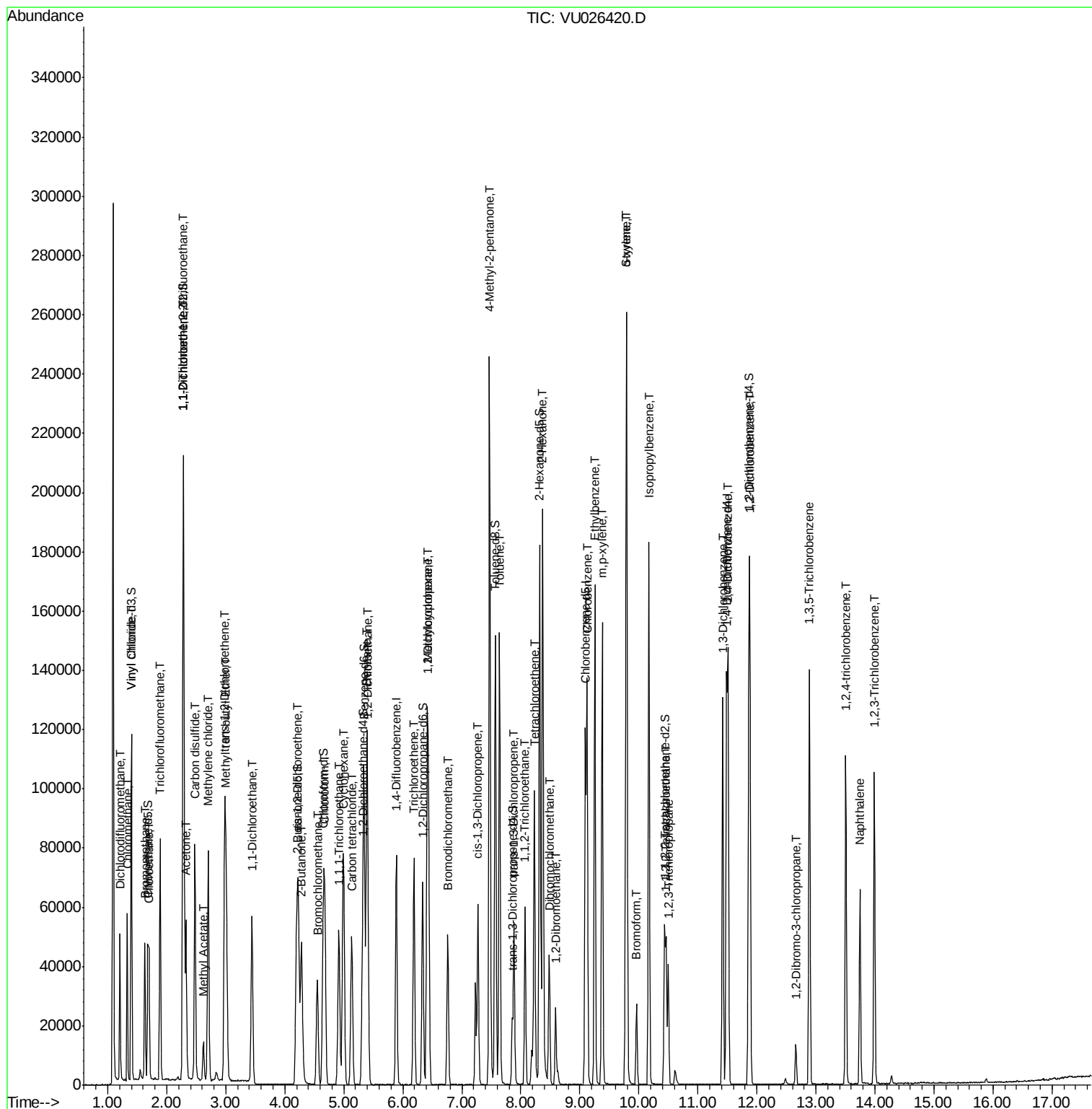
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	11409	5.054	ug/L	98
25) Chloroform	4.68	83	53429	4.865	ug/L	96
27) 1,2-Dichloroethane	5.41	62	30737	5.027	ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	39069	4.970	ug/L	98
30) Cyclohexane	4.99	56	38285	4.763	ug/L	99
31) Carbon tetrachloride	5.13	117	36091	5.091	ug/L	99
33) Benzene	5.39	78	102318	4.926	ug/L	100
34) Trichloroethene	6.19	95	26306	4.690	ug/L	96
35) Methylcyclohexane	6.42	83	38816	4.865	ug/L	97
37) 1,2-Dichloropropane	6.44	63	28110	4.881	ug/L	100
38) Bromodichloromethane	6.76	83	32513	4.802	ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	34641	4.736	ug/L	96
40) 4-Methyl-2-pentanone	7.47	43	162247	50.032	ug/L	99
42) Toluene	7.64	91	108627	5.132	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	29666	4.923	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	17678	4.893	ug/L	96
47) Tetrachloroethene	8.23	164	21325	5.054	ug/L	95
48) 2-Hexanone	8.37	43	121846	50.736	ug/L	99
49) Dibromochloromethane	8.48	129	21795	4.947	ug/L	97
50) 1,2-Dibromoethane	8.59	107	17031	4.985	ug/L #	99
51) Chlorobenzene	9.12	112	69116	5.034	ug/L	99
52) Ethylbenzene	9.25	91	112439	5.013	ug/L	97
53) m,p-xylene	9.38	106	43090	5.223	ug/L	94
54) o-xylene	9.78	106	40530	5.193	ug/L	97
55) Styrene	9.80	104	72358	5.293	ug/L	100
56) Isopropylbenzene	10.17	105	108770	5.239	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	23072	4.873	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	15955	4.795	ug/L	98
61) Bromoform	9.96	173	12389	4.892	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	51116	4.956	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	53963	4.974	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	50722	4.976	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	3174	4.655	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.89	180	42610	4.941	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	34550	4.983	ug/L	99
69) Naphthalene	13.74	128	51551	4.870	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	32862	5.125	ug/L	98

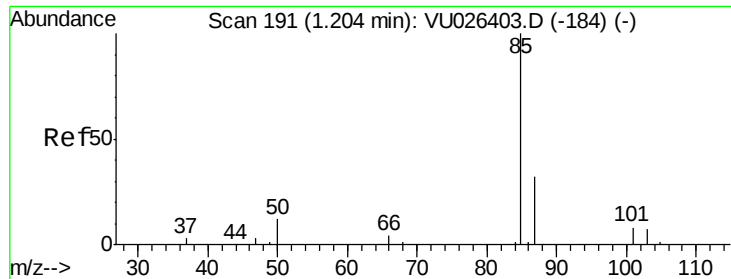
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.742 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

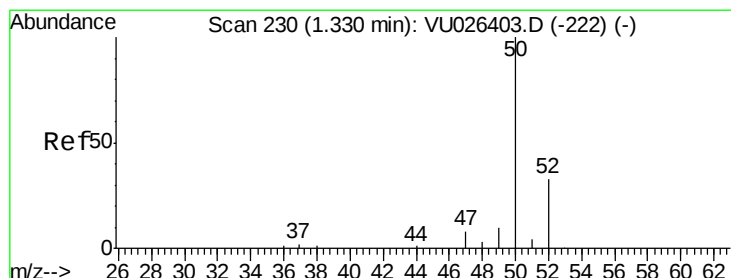
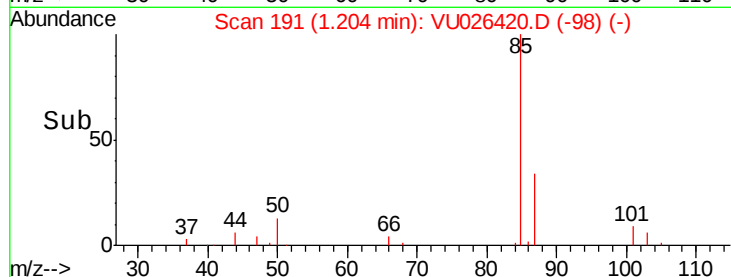
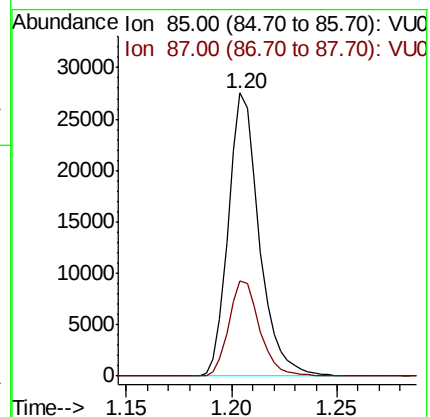
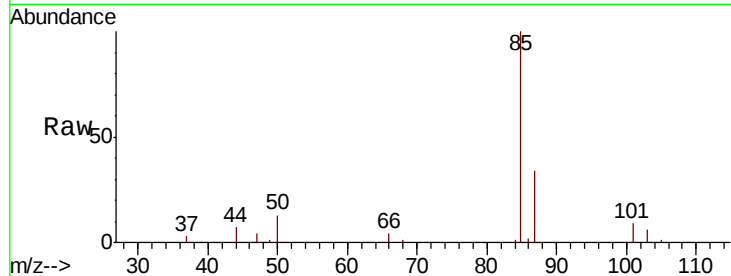
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 27990

Ion Ratio Lower Upper

85 100

87 33.2 25.4 38.0



#3

Chloromethane

Concen: 4.606 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026420.D

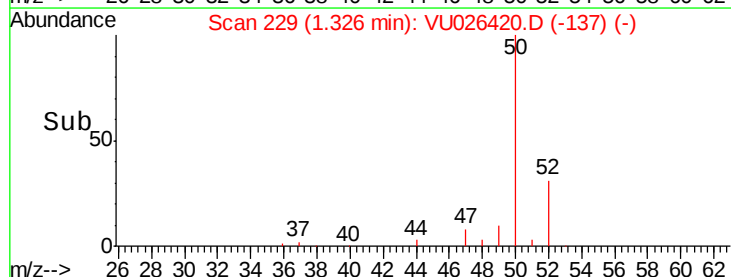
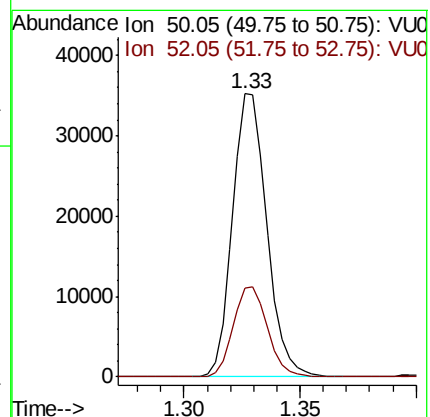
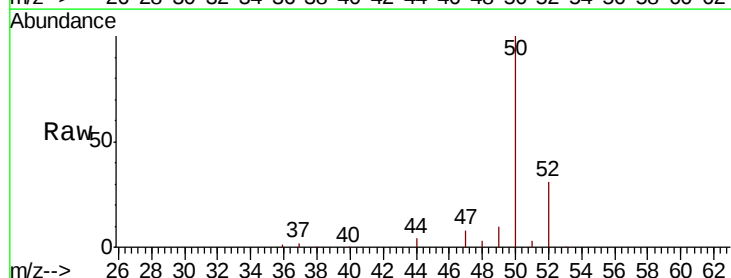
Acq: 29 Aug 2018 00:34

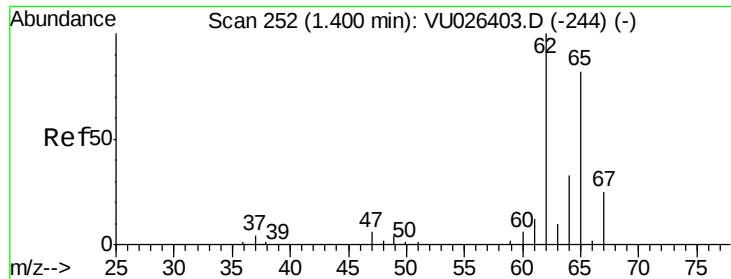
Tgt Ion: 50 Resp: 35974

Ion Ratio Lower Upper

50 100

52 31.3 23.0 42.6

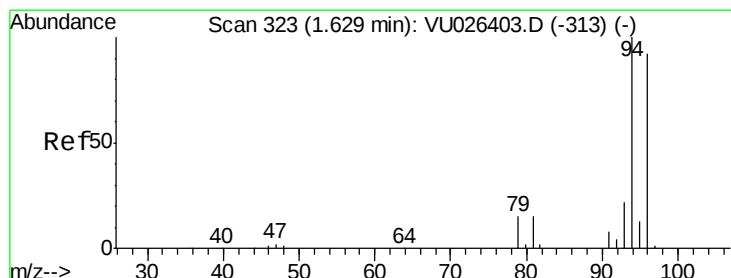
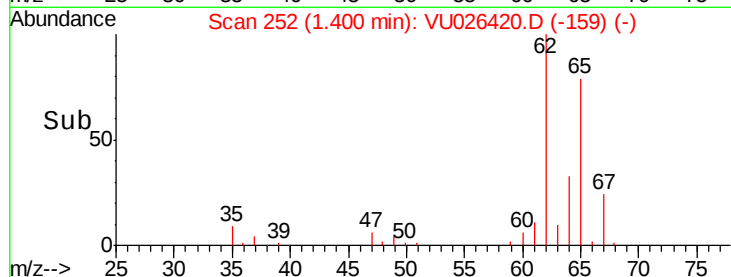
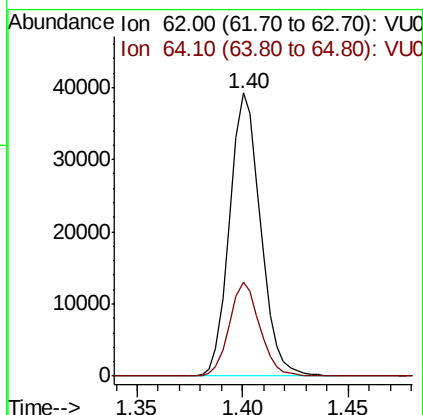
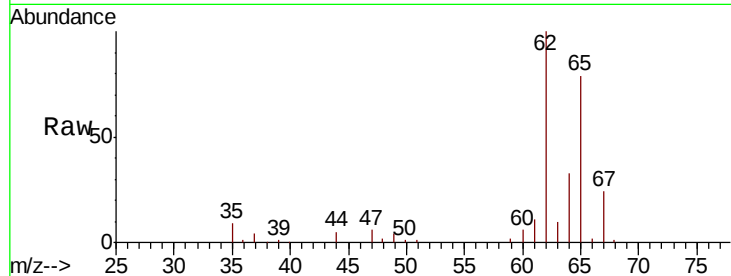




#5
 Vinyl chloride
 Concen: 5.081 ug/L
 RT: 1.40 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

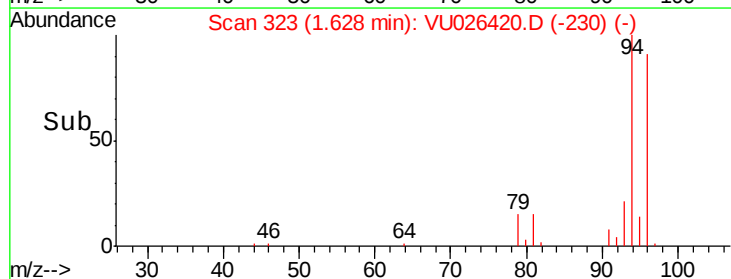
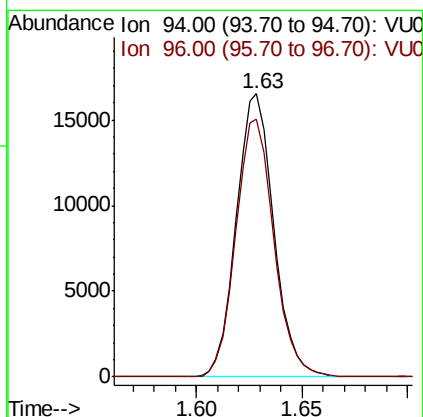
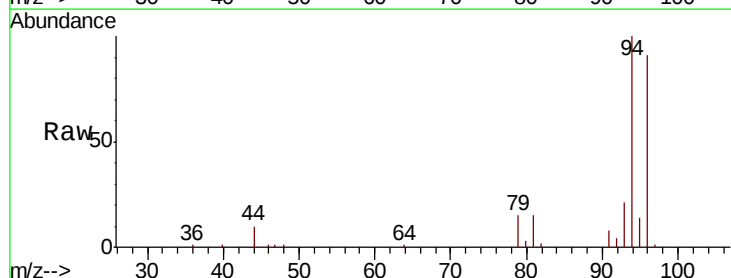
Instrument :
 MSVOA_U
 ClientSampled :

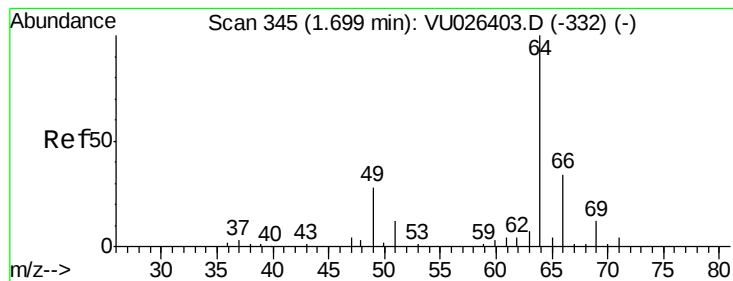
Tot Ion: 62 Resp: 39962
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.0 42.8



#6
 Bromomethane
 Concen: 5.374 ug/L
 RT: 1.63 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion: 94 Resp: 20320
 Ion Ratio Lower Upper
 94 100
 96 91.3 64.3 119.5





#8

Chloroethane

Concen: 5.043 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

Instrument :

MSVOA_U

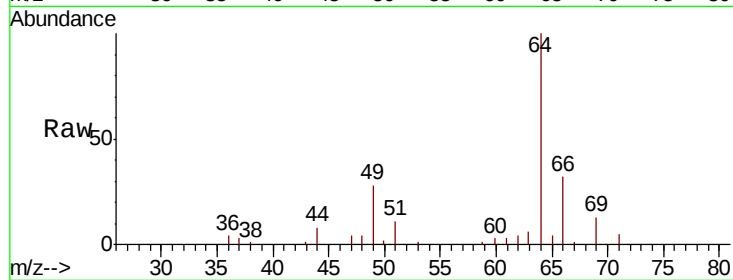
ClientSampleId :

Tot Ion: 64 Resp: 23341

Ion Ratio Lower Upper

64 100

66 31.7 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU026420.D (-332) (-)

Ion 66.05 (65.75 to 66.75): VU026420.D (-332) (-)

1.70

20000

15000

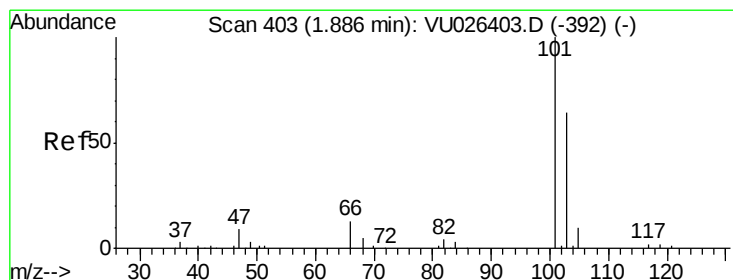
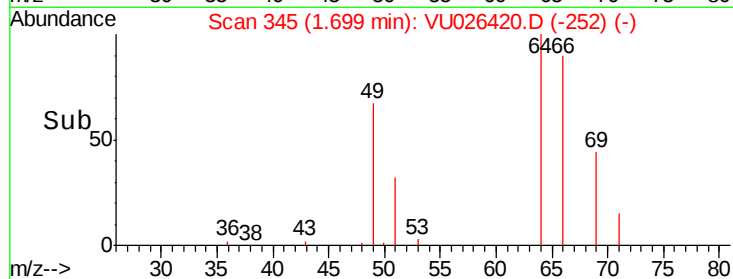
10000

5000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 5.225 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026420.D

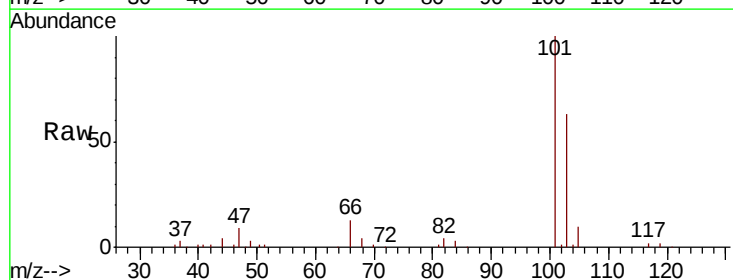
Acq: 29 Aug 2018 00:34

Tgt Ion: 101 Resp: 48968

Ion Ratio Lower Upper

101 100

103 64.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU026420.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026420.D (-392) (-)

1.89

40000

30000

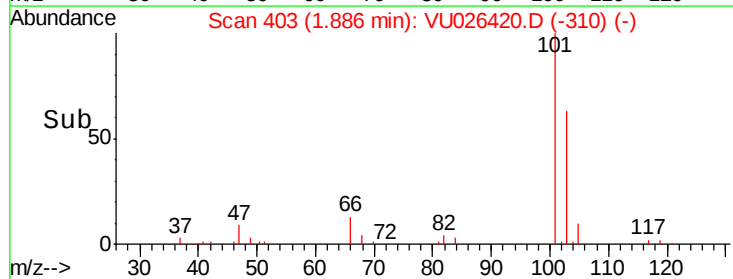
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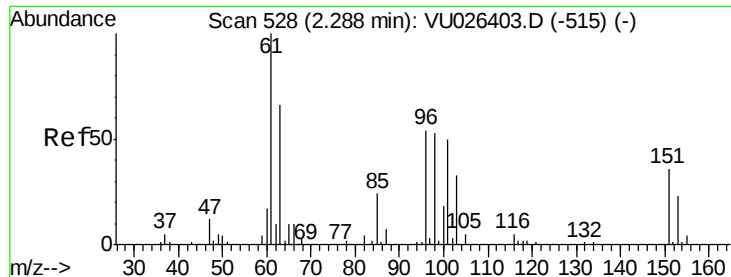
10000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 5.200 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

Instrument :

MSVOA_U

ClientSampleId :

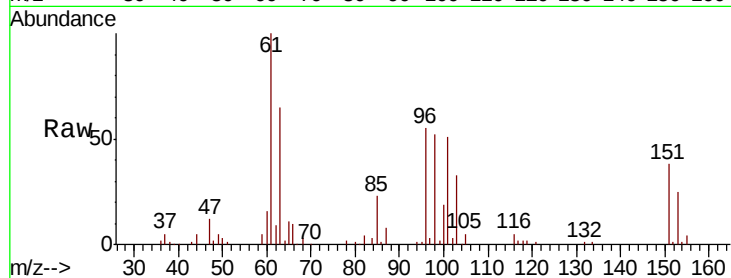
Tot Ion:101 Resp: 28586

Ion Ratio Lower Upper

101 100

85 43.6 36.0 54.0

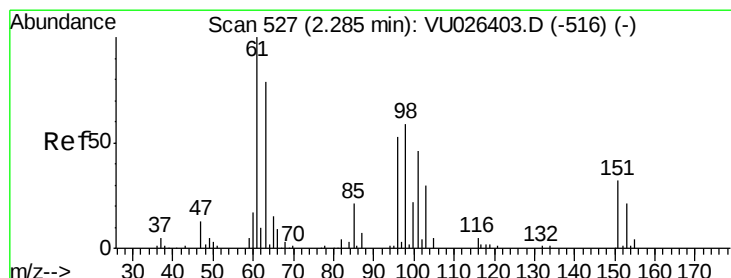
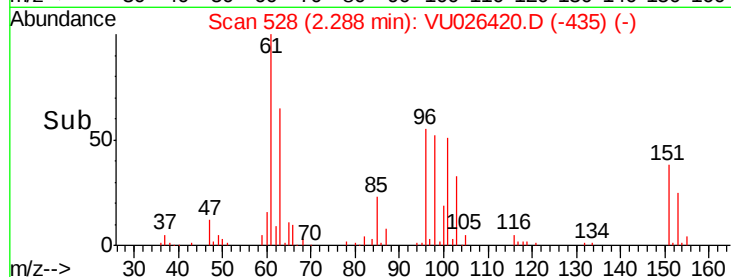
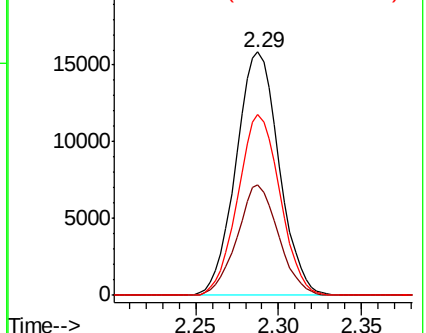
151 72.8 55.5 83.3



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: 5.396 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

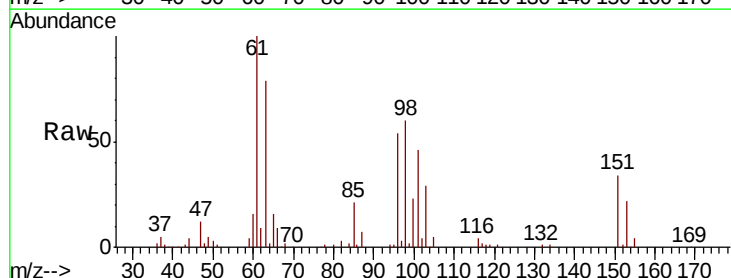
Tgt Ion: 96 Resp: 27193

Ion Ratio Lower Upper

96 100

61 186.7 133.5 247.9

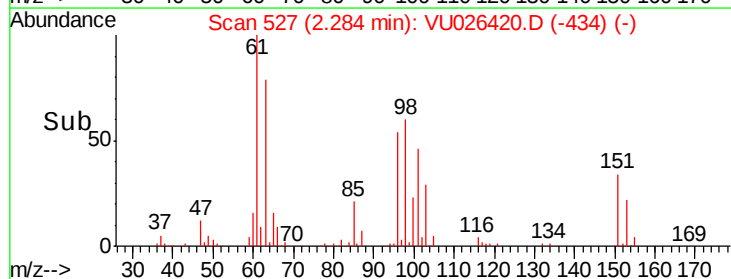
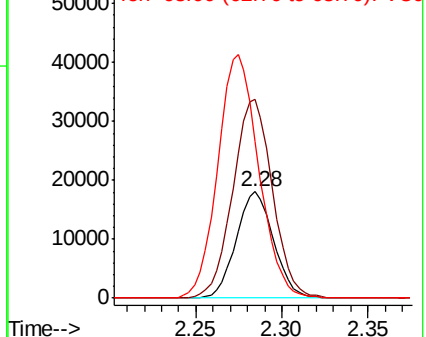
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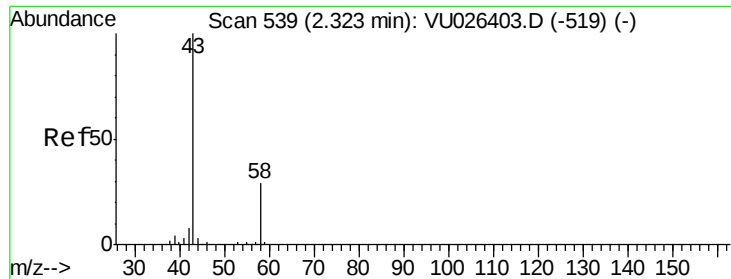


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.867 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

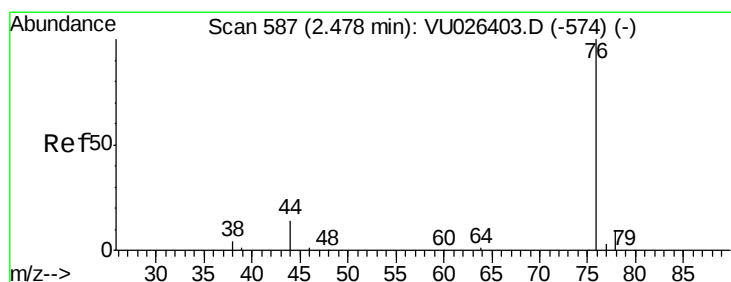
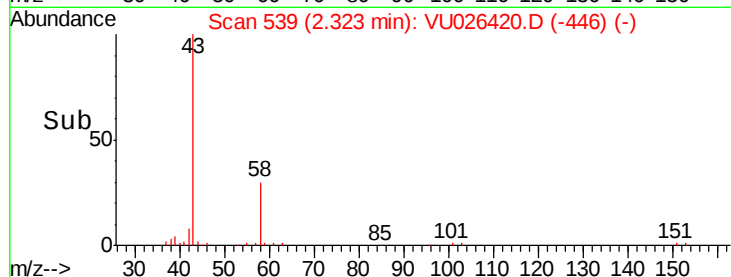
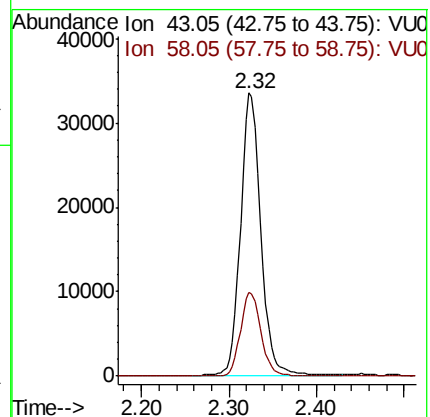
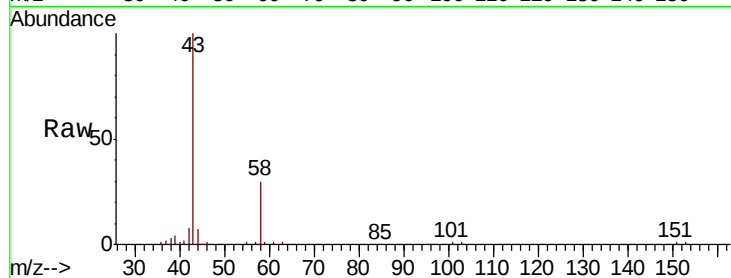
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 54683

Ion Ratio Lower Upper

43 100

58 29.5 0.0 60.6



#14

Carbon disulfide

Concen: 5.115 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026420.D

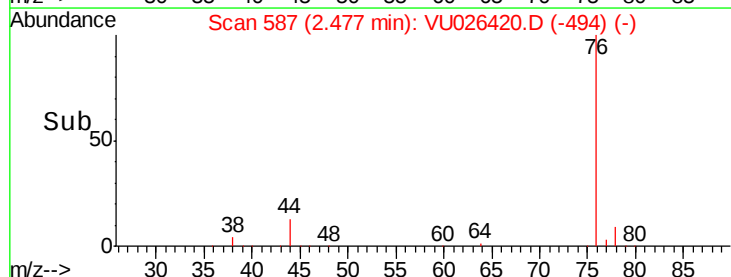
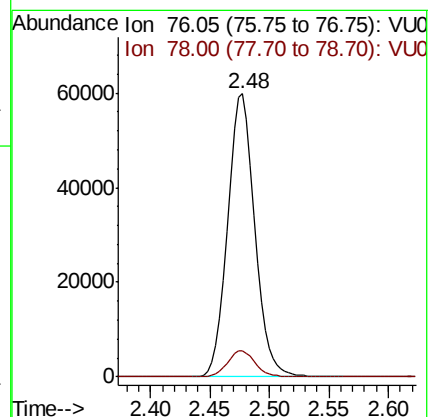
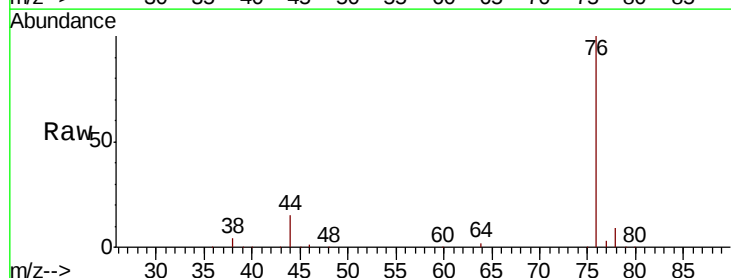
Acq: 29 Aug 2018 00:34

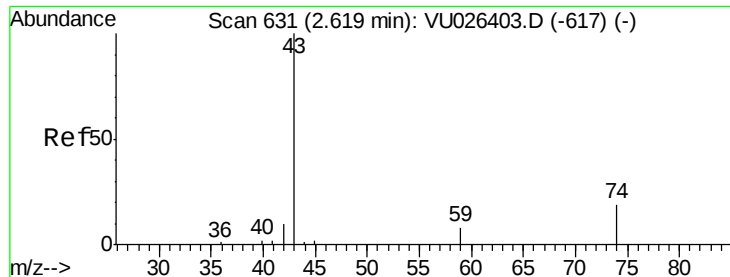
Tgt Ion: 76 Resp: 94645

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

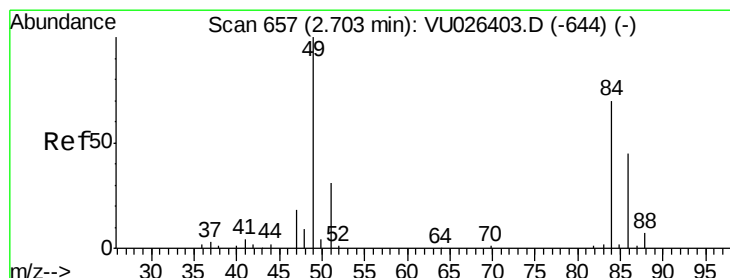
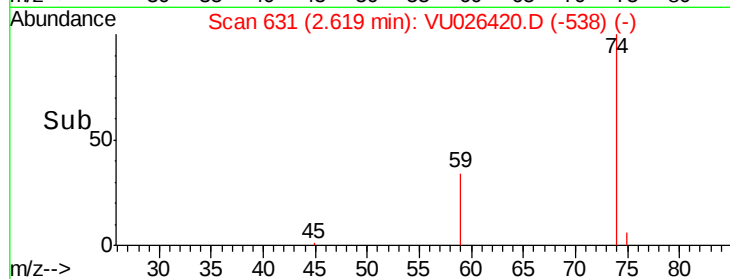
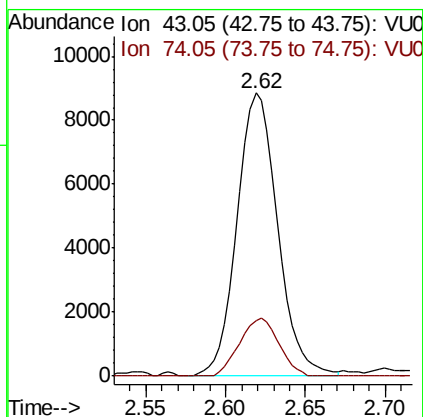
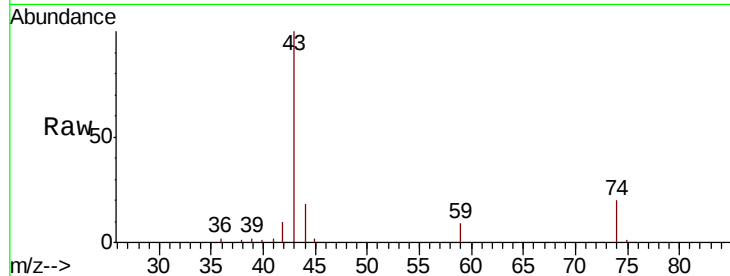




#15
Methvl Acetate
Concen: 4.864 ug/L
RT: 2.62 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

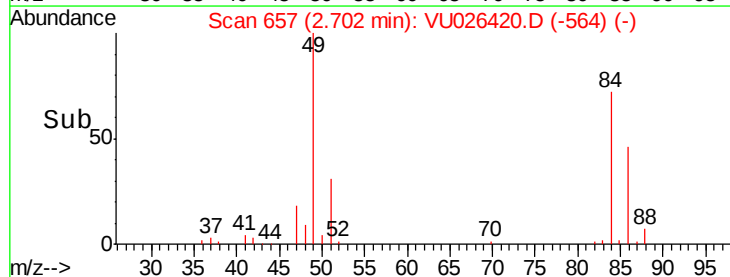
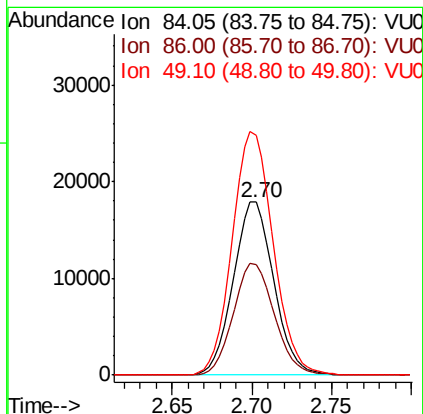
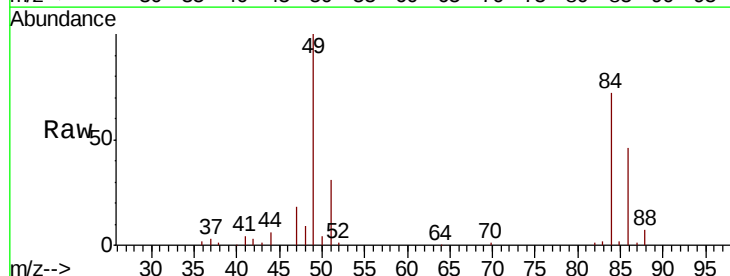
Instrument :
MSVOA_U
ClientSampleId :

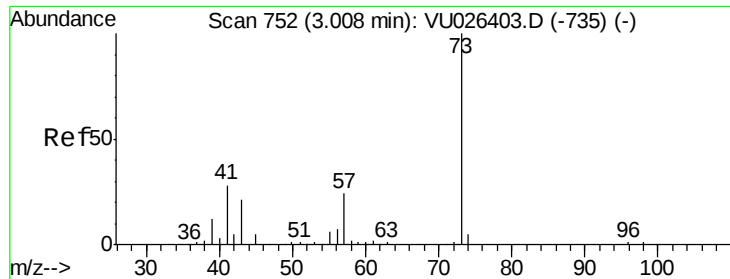
Tot Ion: 43 Resp: 15351
Ion Ratio Lower Upper
43 100
74 19.5 15.4 23.2



#16
Methylene chloride
Concen: 4.891 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

Tgt Ion: 84 Resp: 30805
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.3
49 138.6 99.7 185.1

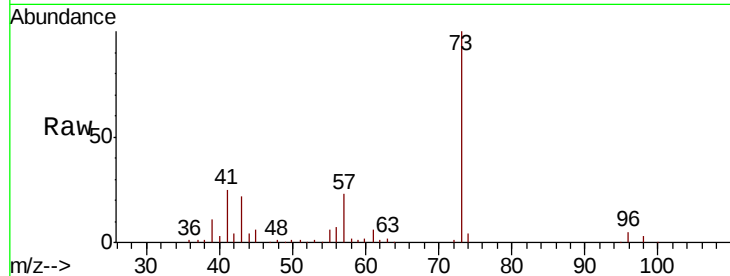




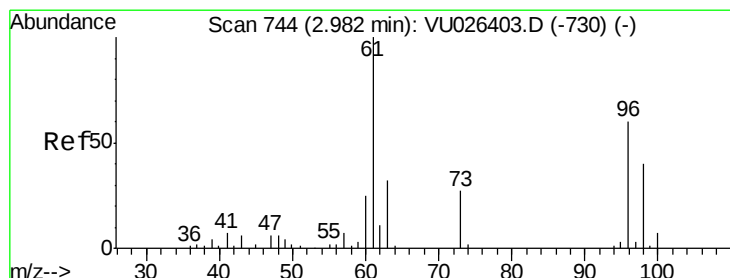
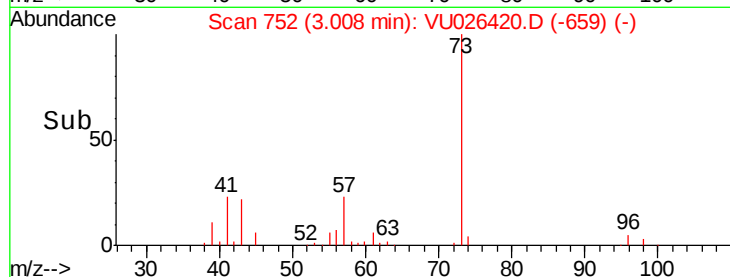
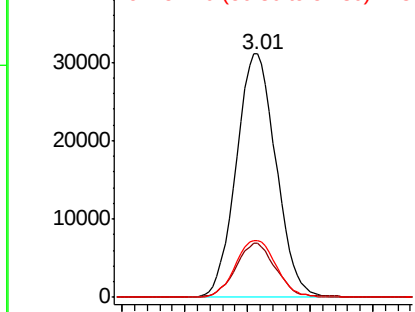
#17
Methvl tert-butvl Ether
Concen: 5.409 ug/L
RT: 3.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 68410
Ion Ratio Lower Upper
73 100
43 22.5 17.6 26.4
57 24.1 19.0 28.6

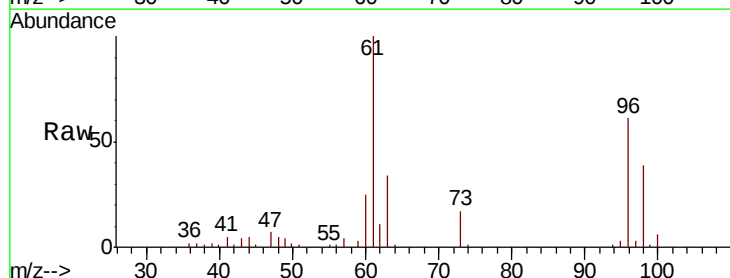


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

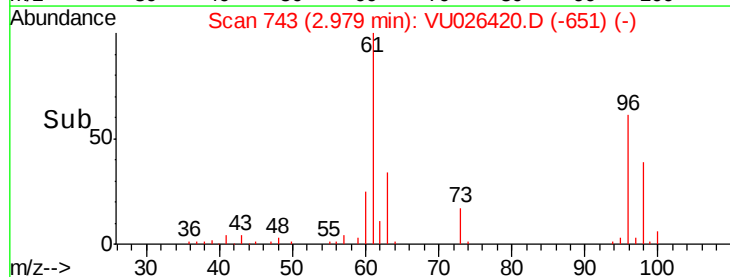
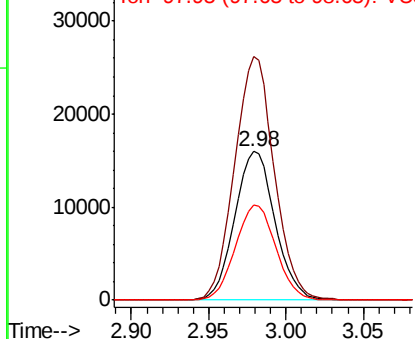


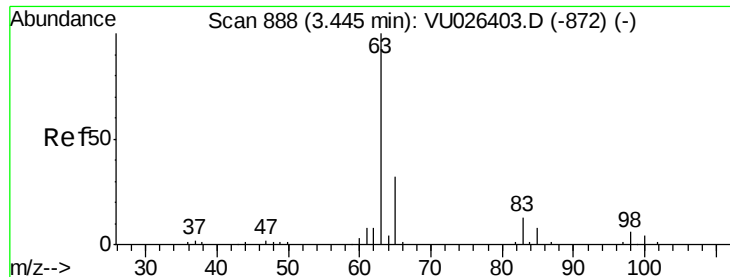
#18
trans-1,2-Dichloroethene
Concen: 5.242 ug/L
RT: 2.98 min Scan# 743
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

Tgt Ion: 96 Resp: 28853
Ion Ratio Lower Upper
96 100
61 164.1 116.6 216.6
98 63.8 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

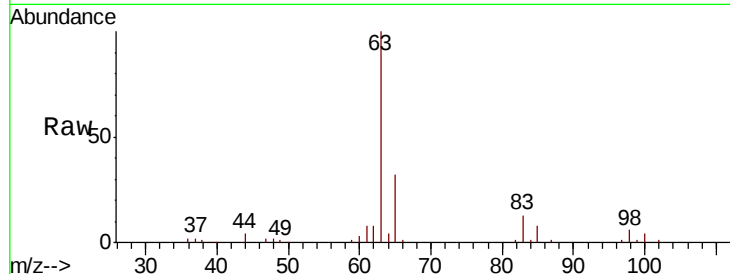




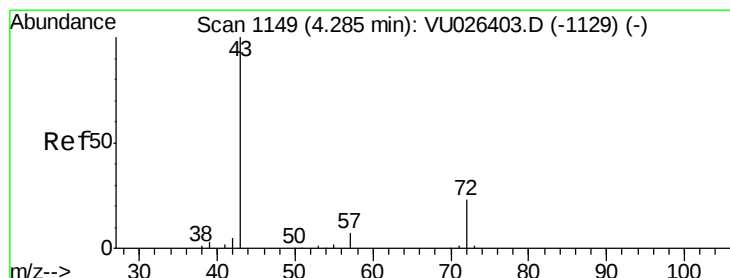
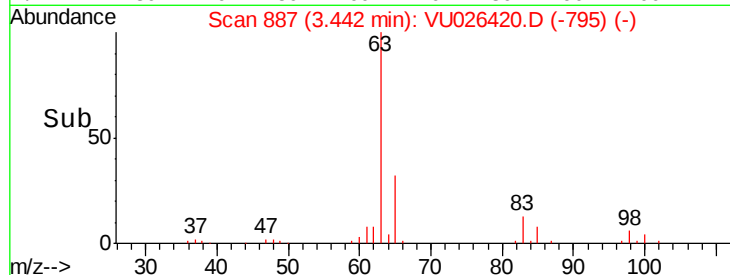
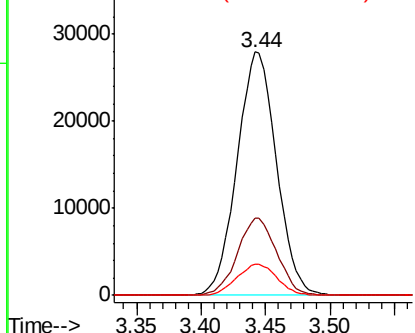
#19
 1,1-Dichloroethane
 Concen: 5.198 ug/L
 RT: 3.44 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 59359
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.2 41.2
 83 12.8 9.2 17.2

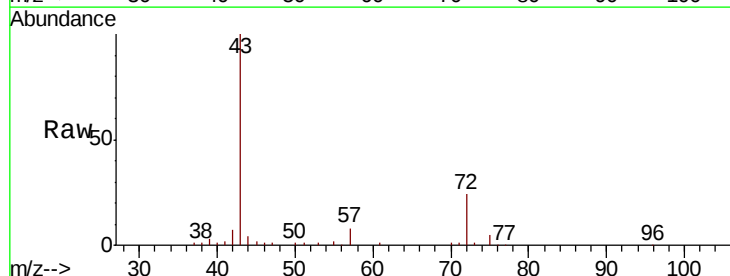


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

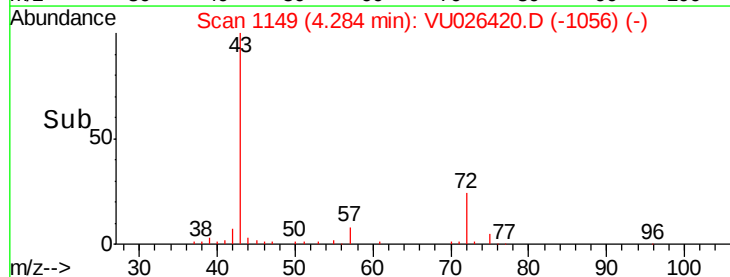
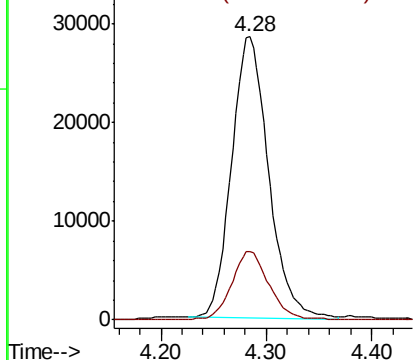


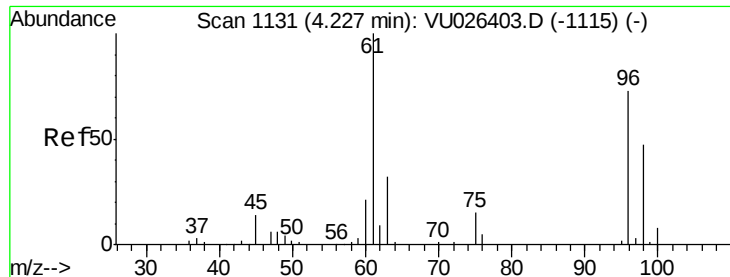
#21
 2-Butanone
 Concen: 48.425 ug/L
 RT: 4.28 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion: 43 Resp: 69526
 Ion Ratio Lower Upper
 43 100
 72 24.5 11.4 34.1



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: 4.763 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

Instrument :
MSVOA_U
ClientSampled :

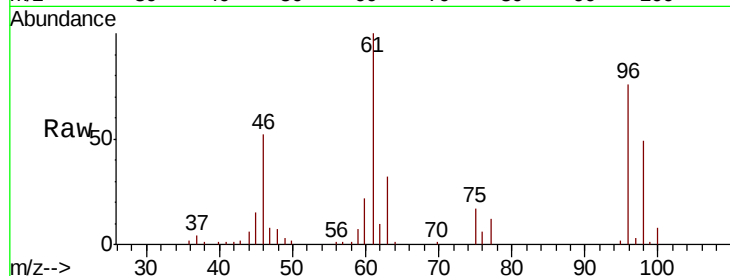
Tot Ion: 96 Resp: 26564

Ion Ratio Lower Upper

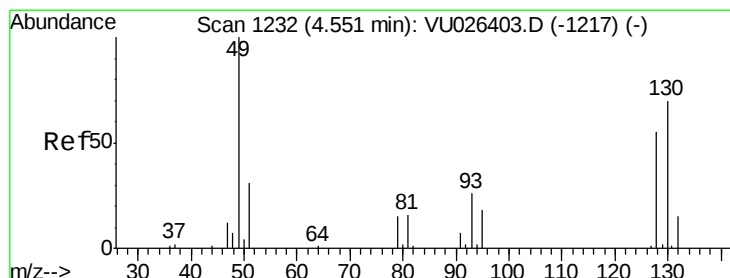
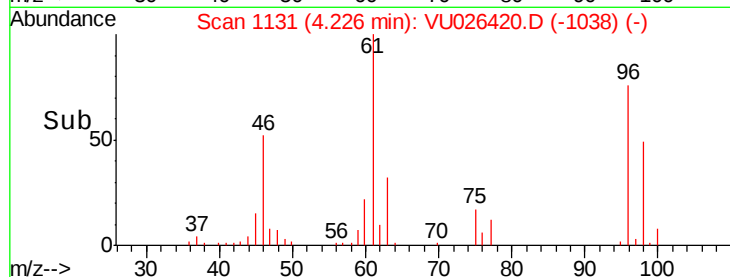
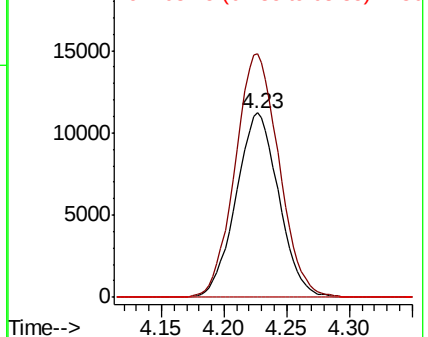
96 100

61 131.9 95.9 178.1

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 5.054 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

Tgt Ion: 128 Resp: 11409

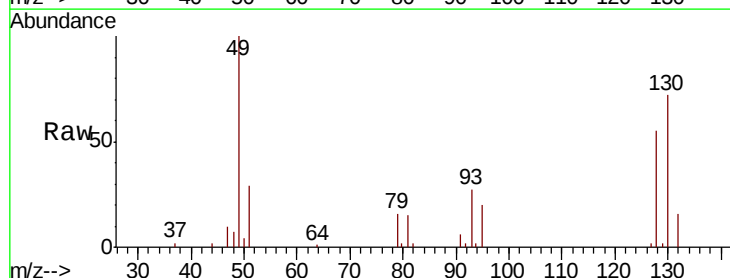
Ion Ratio Lower Upper

128 100

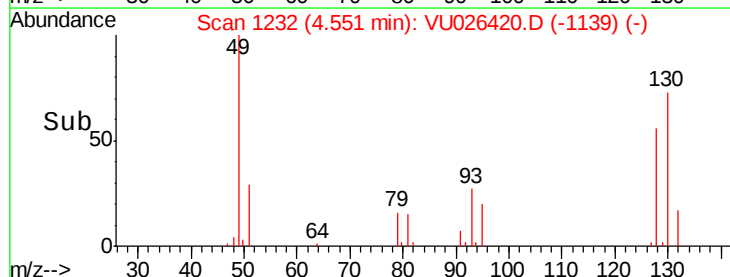
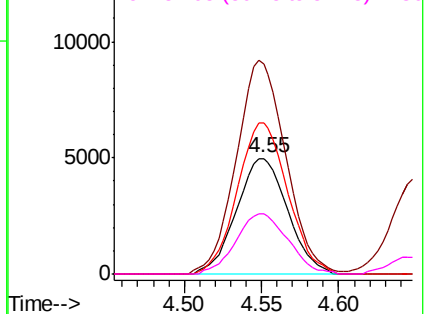
49 181.7 126.8 235.4

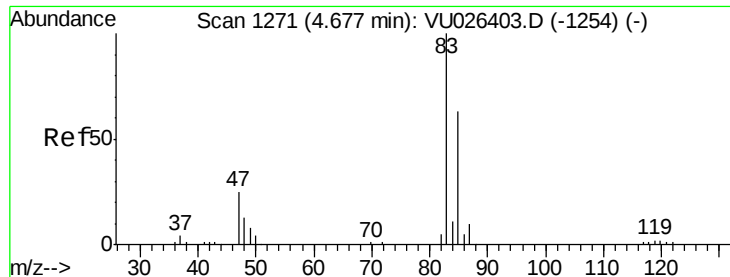
130 130.9 88.6 164.6

51 52.5 45.2 67.8



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

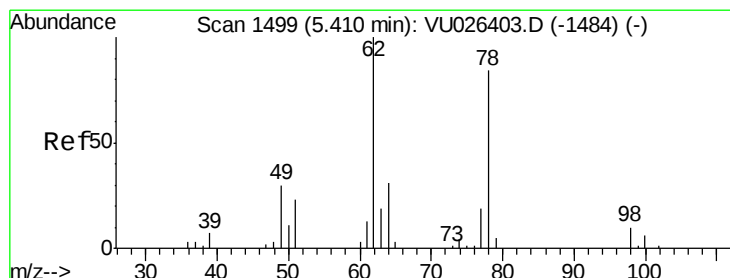
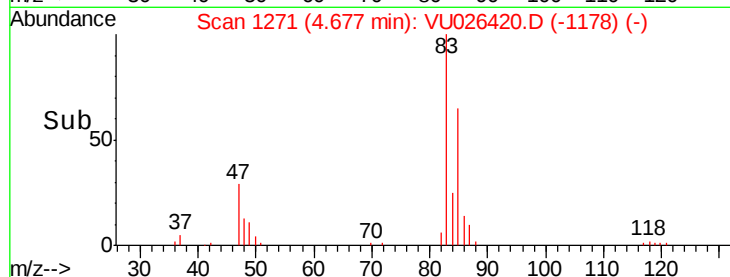
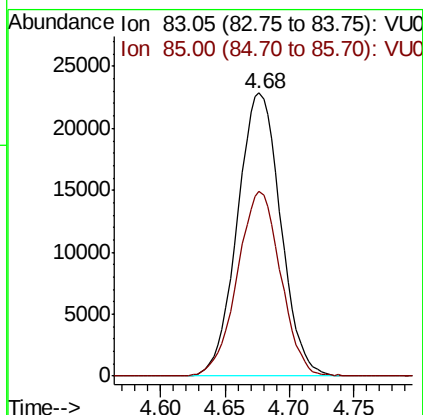
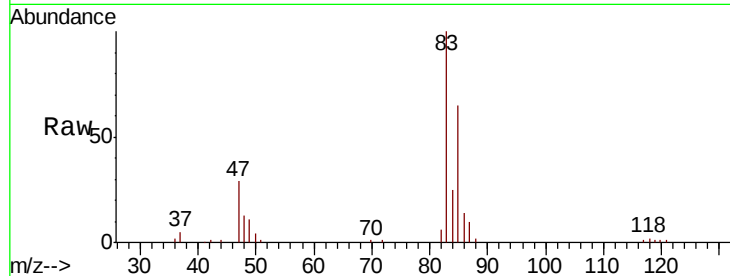




#25
Chloroform
Concen: 4.865 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

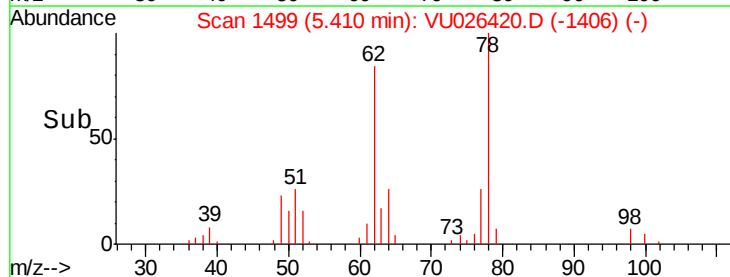
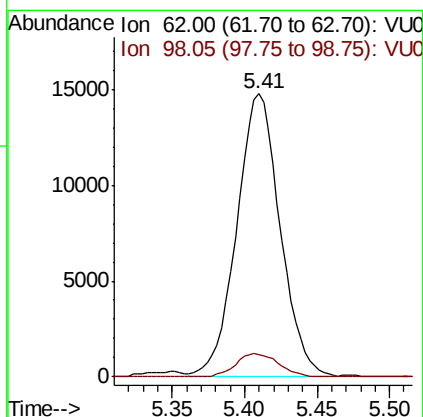
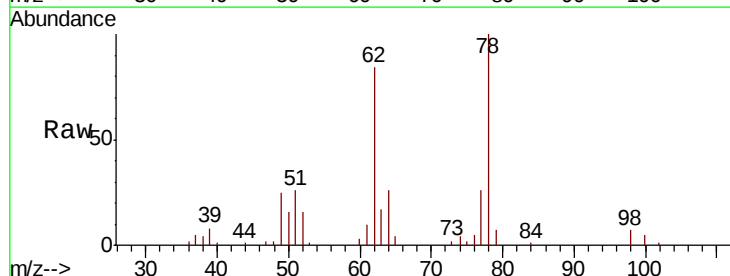
Instrument :
MSVOA_U
ClientSampleId :

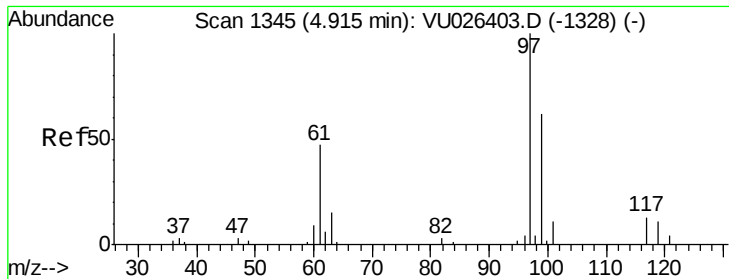
Tot Ion: 83 Resp: 53429
Ion Ratio Lower Upper
83 100
85 65.4 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.027 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

Tgt Ion: 62 Resp: 30737
Ion Ratio Lower Upper
62 100
98 7.9 7.6 11.4

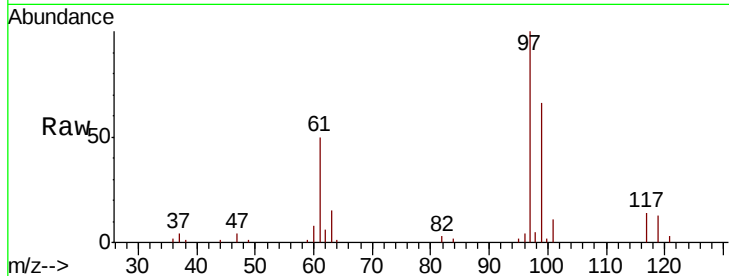




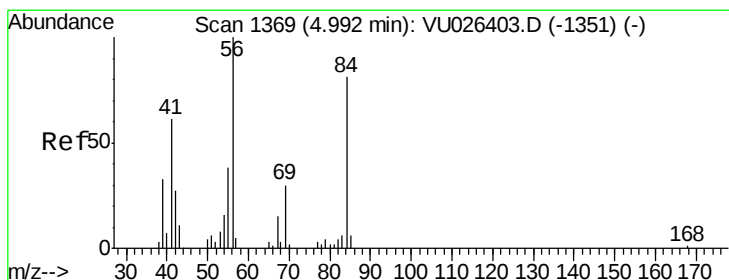
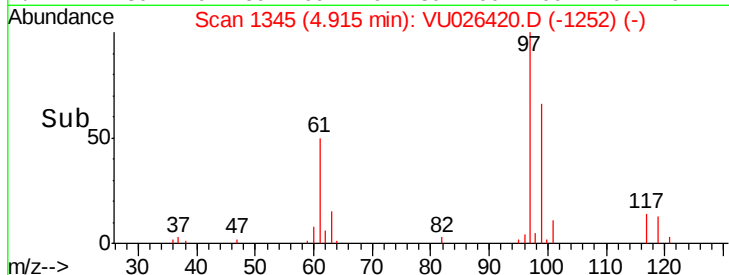
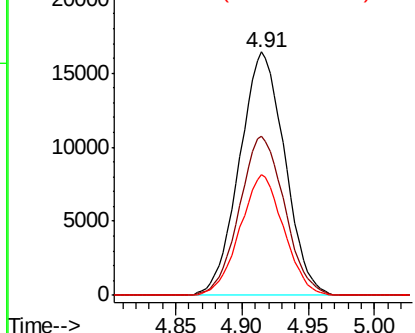
#29
 1,1,1-Trichloroethane
 Concen: 4.970 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 39069
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.8 77.8
 61 48.0 40.1 60.1

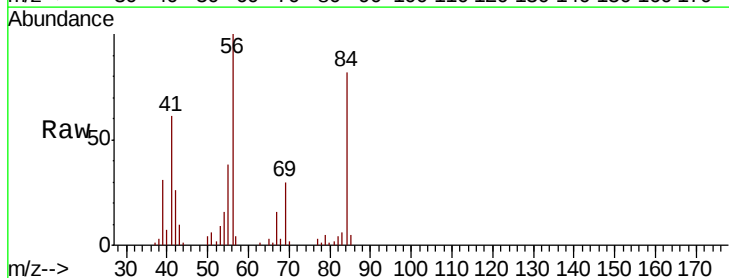


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

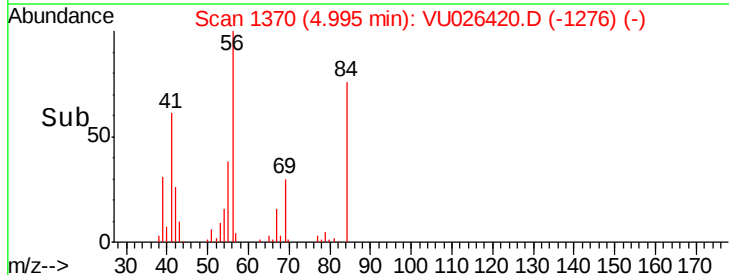
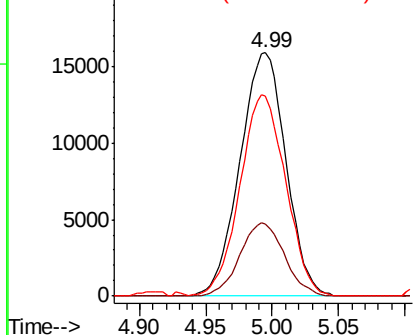


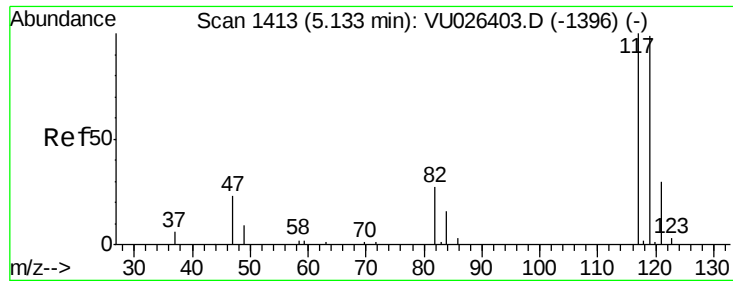
#30
 Cyclohexane
 Concen: 4.763 ug/L
 RT: 4.99 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion: 56 Resp: 38285
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.1 34.7
 84 82.6 64.8 97.2



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: 5.091 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

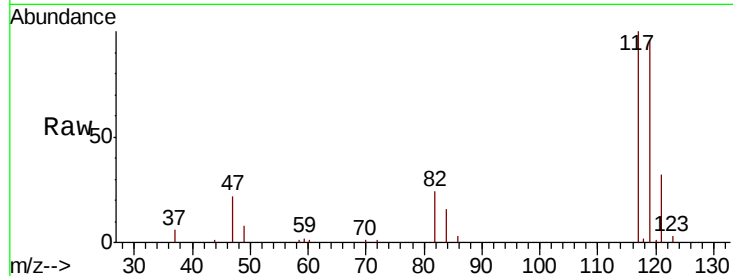
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 36091

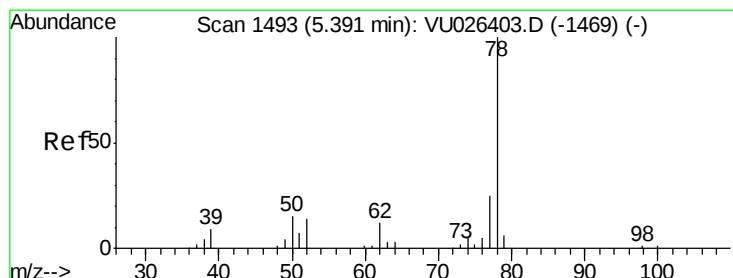
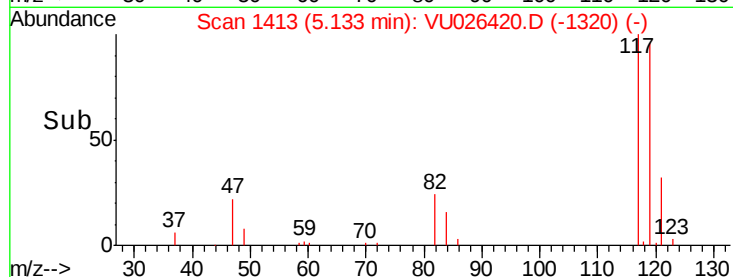
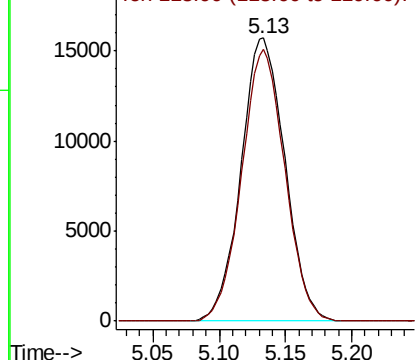
Ion Ratio Lower Upper

117 100

119 94.4 76.7 115.1



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



#33

Benzene

Concen: 4.926 ug/L

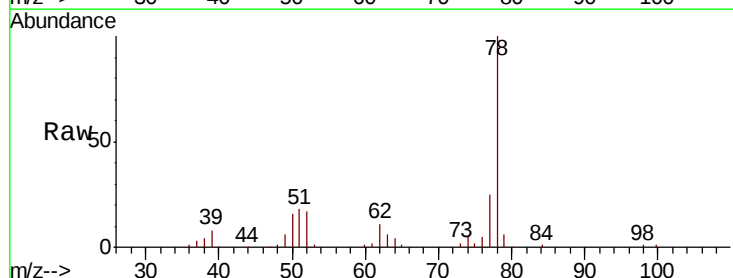
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

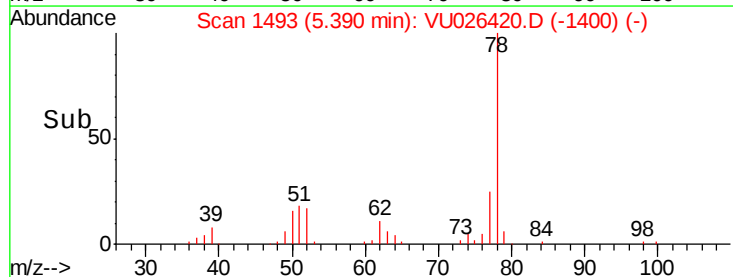
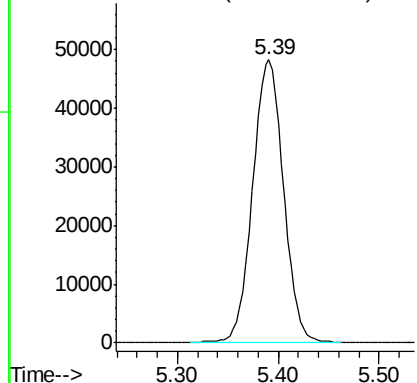
Lab File: VU026420.D

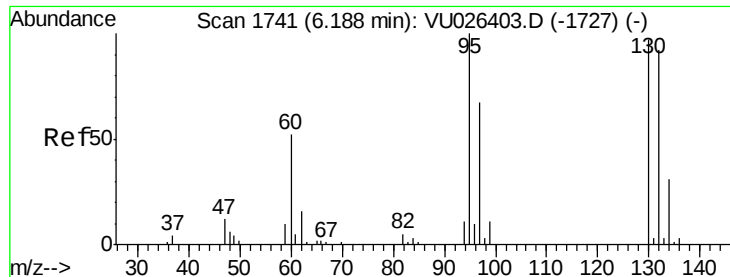
Acq: 29 Aug 2018 00:34

Tgt Ion: 78 Resp: 102318



Abundance Ion 78.10 (77.80 to 78.80): VU0

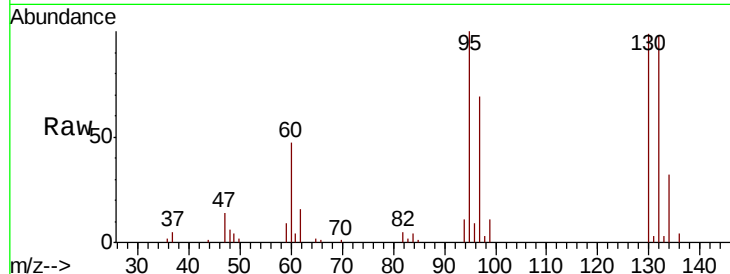




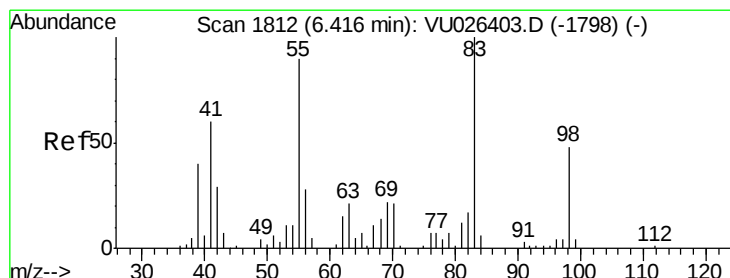
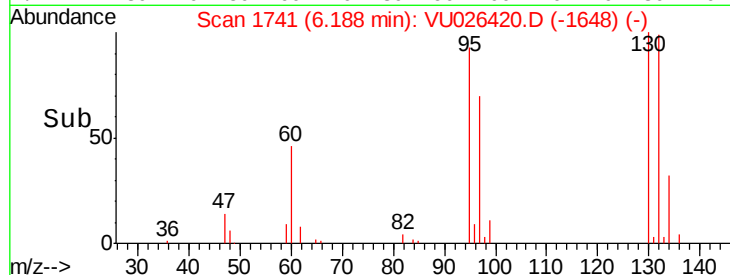
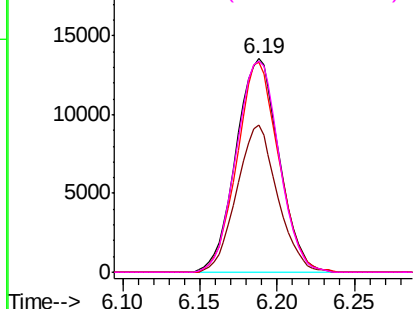
#34
 Trichloroethene
 Concen: 4.690 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 26306
 Ion Ratio Lower Upper
 95 100
 97 68.9 46.6 86.6
 132 98.4 64.2 119.2
 130 98.9 68.2 126.6

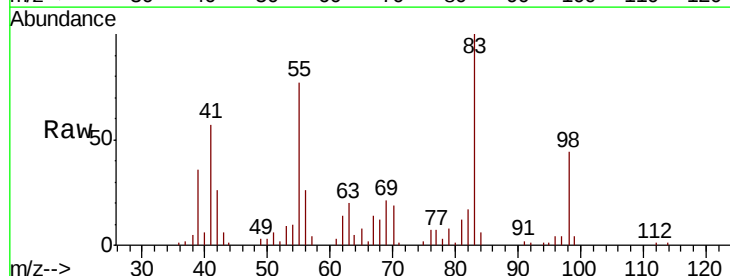


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

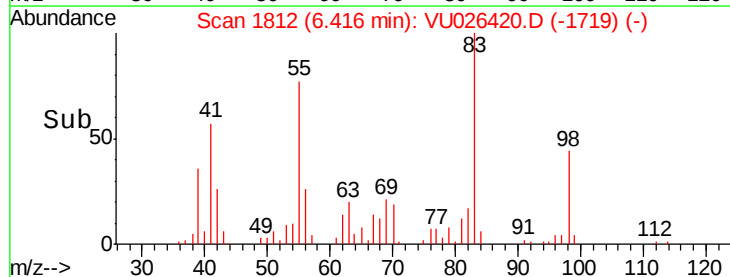
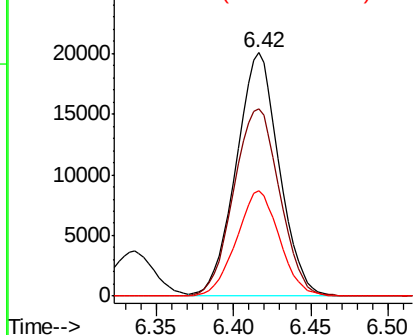


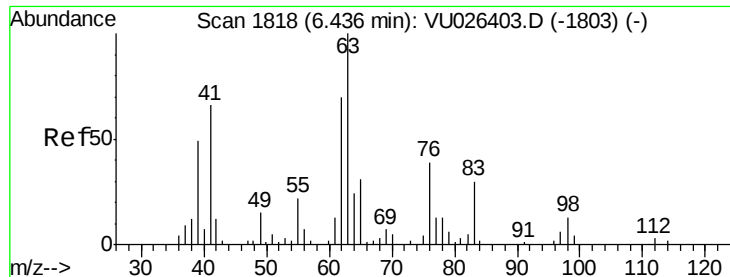
#35
 Methylcyclohexane
 Concen: 4.865 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion: 83 Resp: 38816
 Ion Ratio Lower Upper
 83 100
 55 82.1 68.1 102.1
 98 43.3 36.0 54.0



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

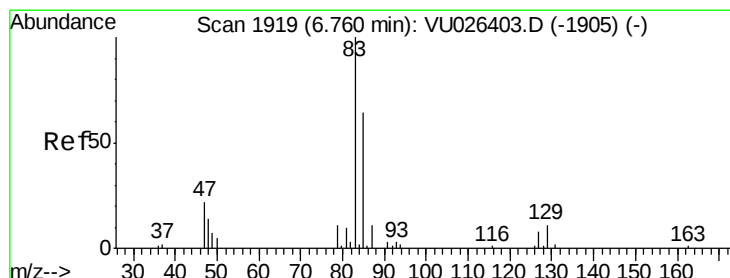
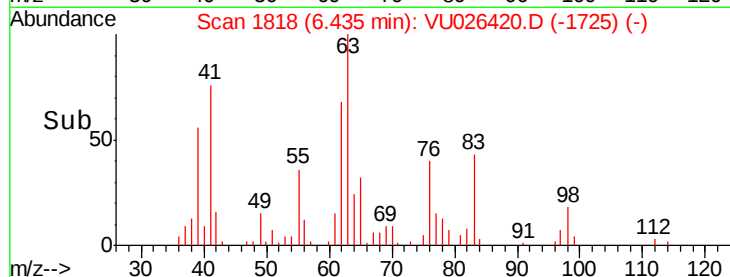
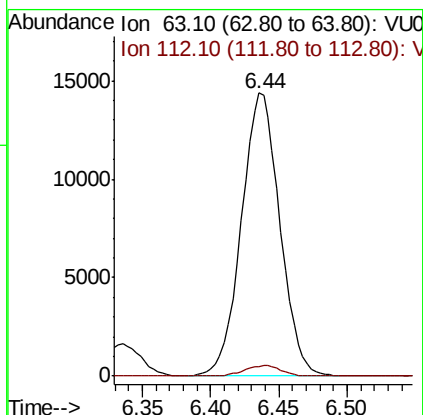
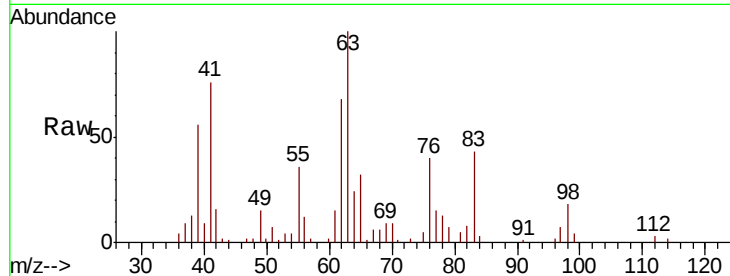




#37
 1,2-Dichloropropane
 Concen: 4.881 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

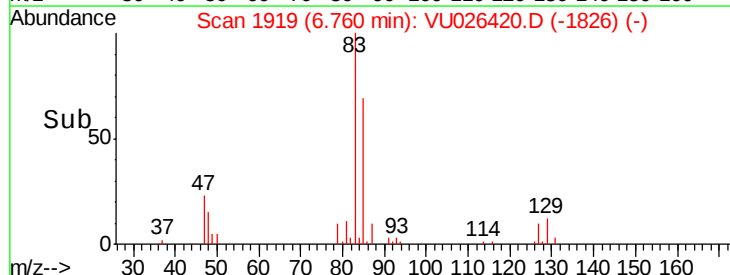
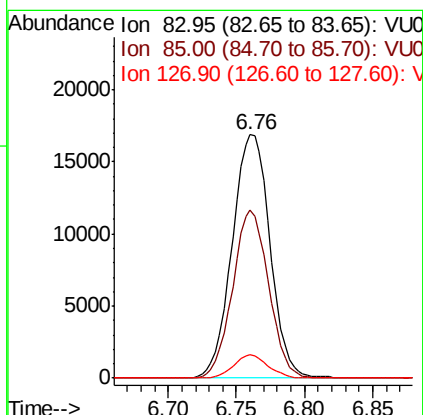
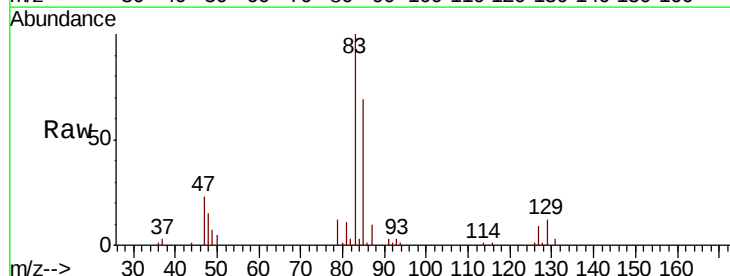
Instrument :
 MSVOA_U
 ClientSampleId :

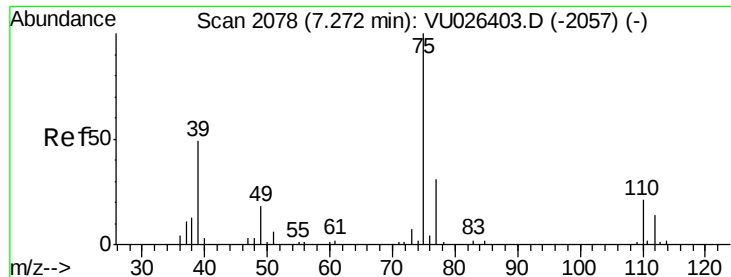
Tot Ion: 63 Resp: 28110
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.802 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion: 83 Resp: 32513
 Ion Ratio Lower Upper
 83 100
 85 68.9 44.7 83.1
 127 9.5 6.6 10.0

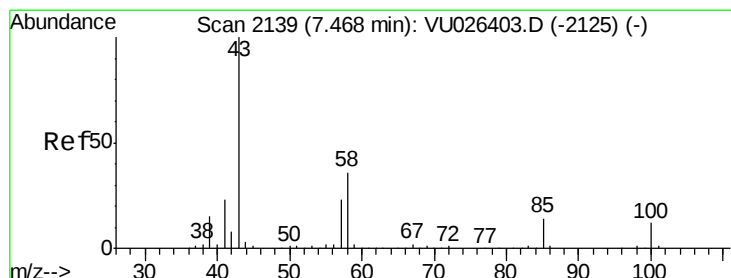
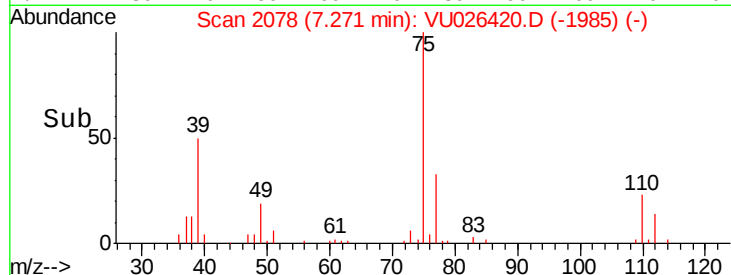
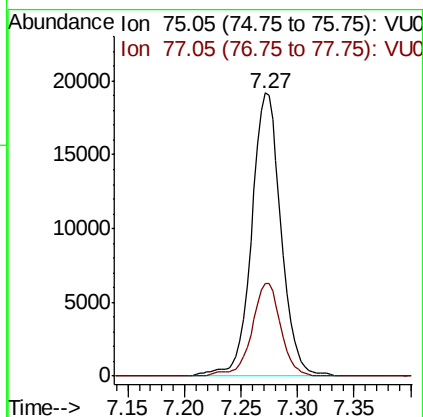
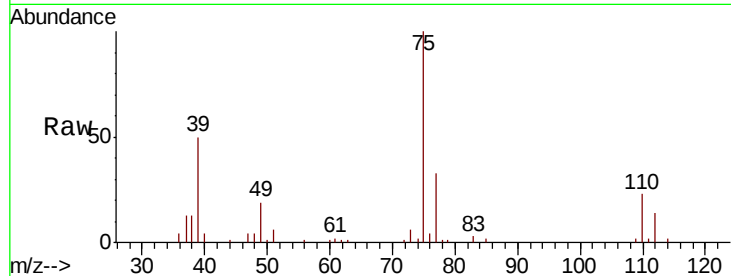




#39
 cis-1,3-Dichloropropene
 Concen: 4.736 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

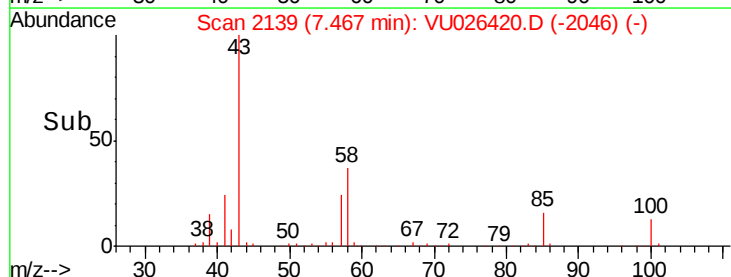
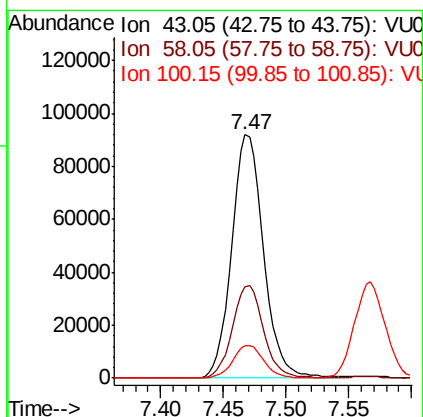
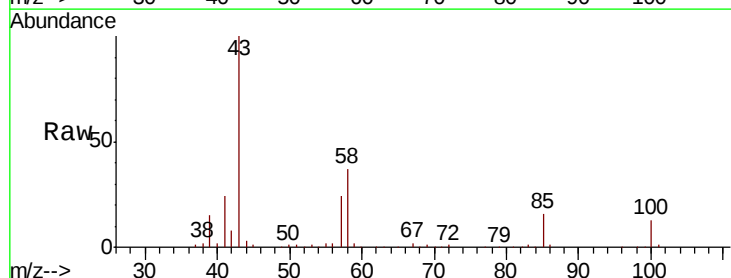
Instrument :
 MSVOA_U
 ClientSampleId :

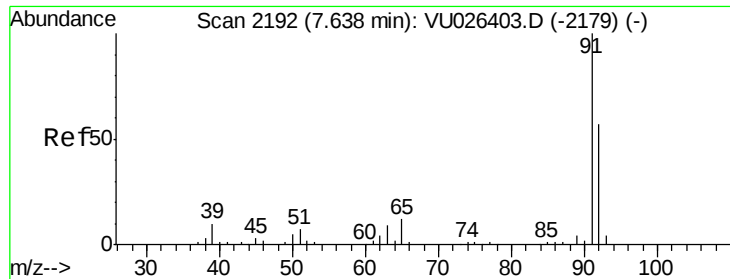
Tot Ion: 75 Resp: 34641
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 50.032 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion: 43 Resp: 162247
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.3 43.9
 100 13.2 9.8 14.8





#42

Toluene

Concen: 5.132 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

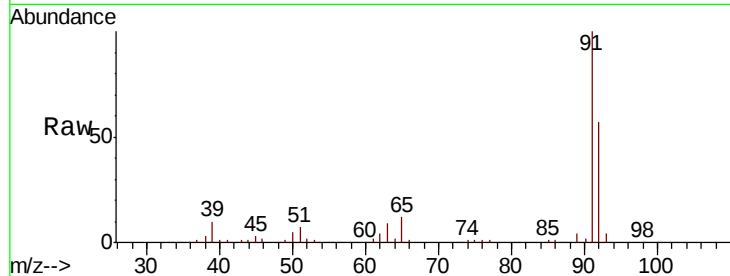
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 108627

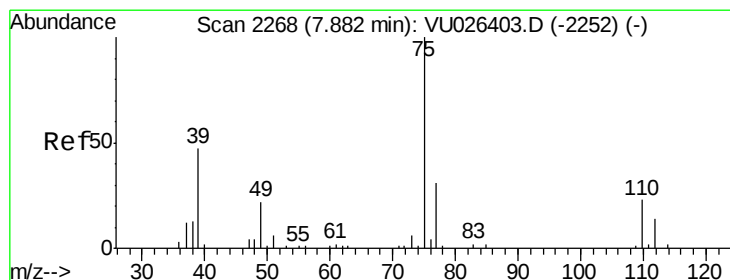
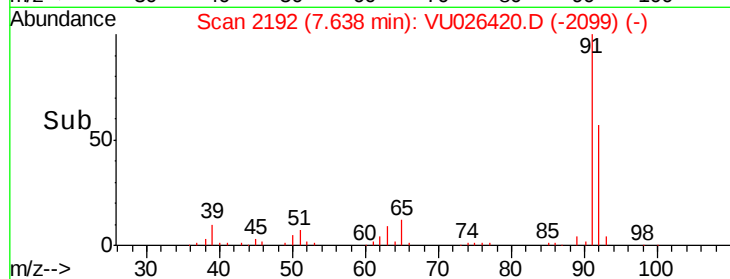
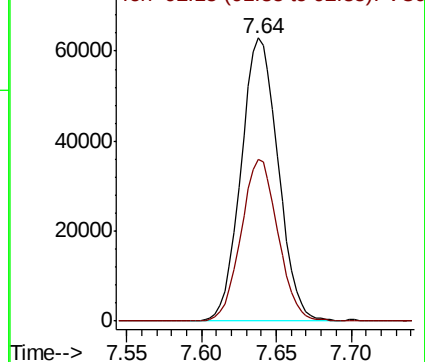
Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



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



#44

trans-1,3-Dichloropropene

Concen: 4.923 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026420.D

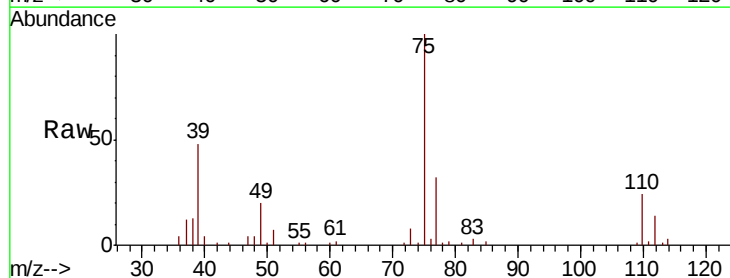
Acq: 29 Aug 2018 00:34

Tgt Ion: 75 Resp: 29666

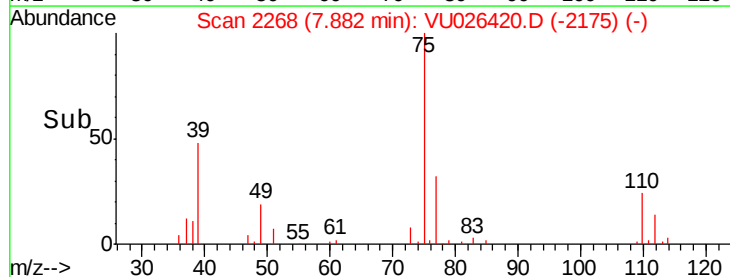
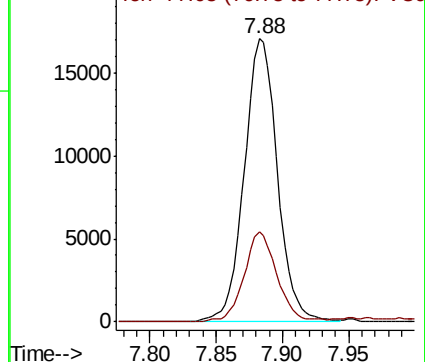
Ion Ratio Lower Upper

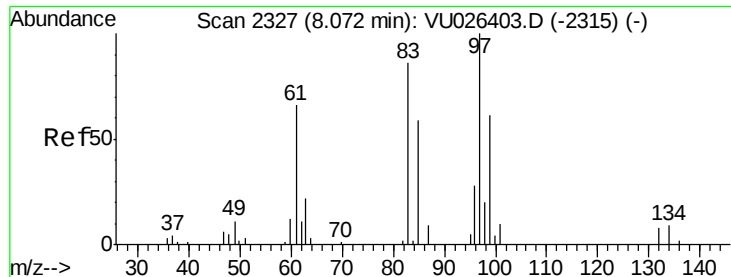
75 100

77 32.0 21.7 40.3



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





#45

1,1,2-Trichloroethane

Concen: 4.893 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 17678

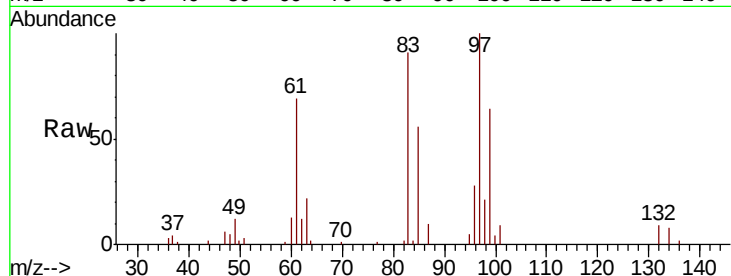
Ion Ratio Lower Upper

97 100

99 64.5 42.4 78.8

83 90.7 60.5 112.5

85 56.4 40.9 76.0



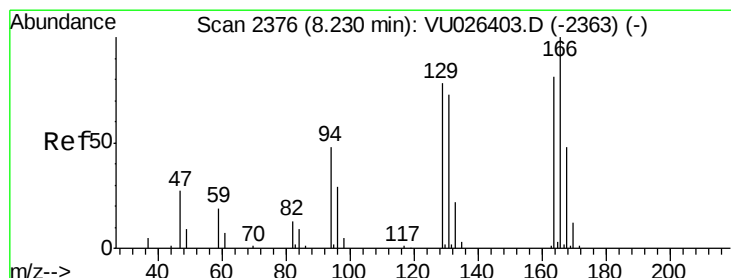
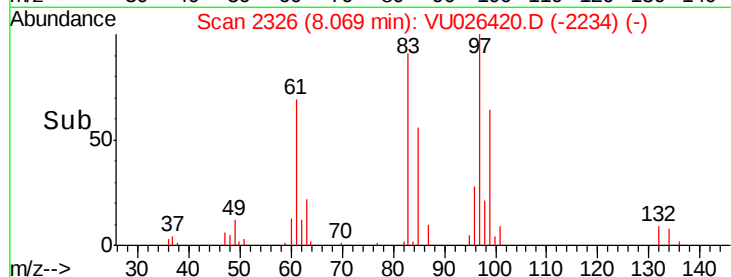
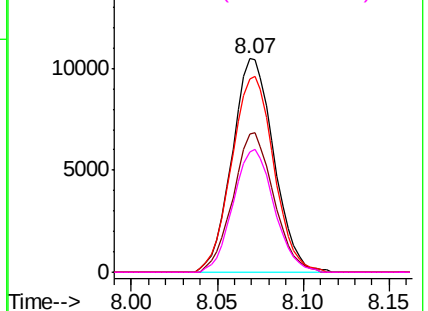
Abundance

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: 5.054 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

Tgt Ion:164 Resp: 21325

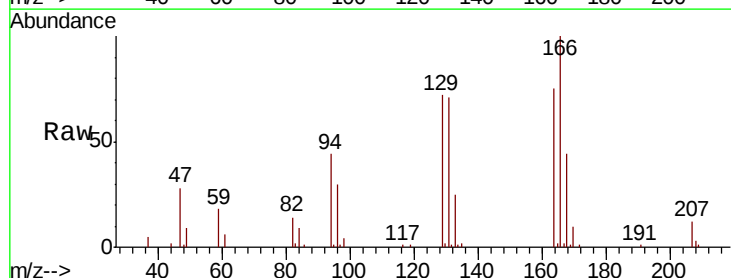
Ion Ratio Lower Upper

164 100

129 96.3 67.8 126.0

131 95.5 63.1 117.3

166 133.6 86.5 160.7



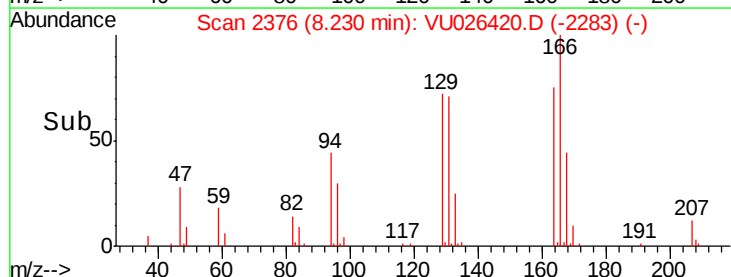
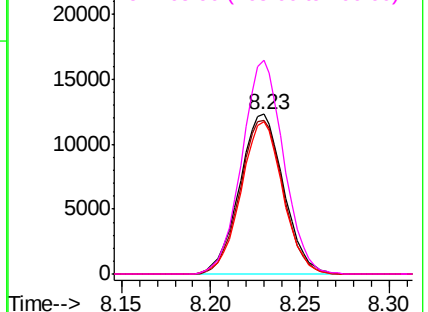
Abundance

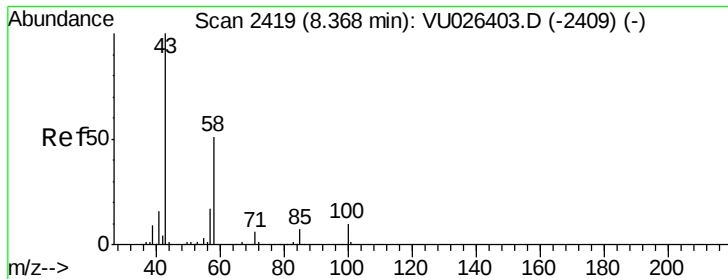
Ion 163.90 (163.60 to 164.60): V

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

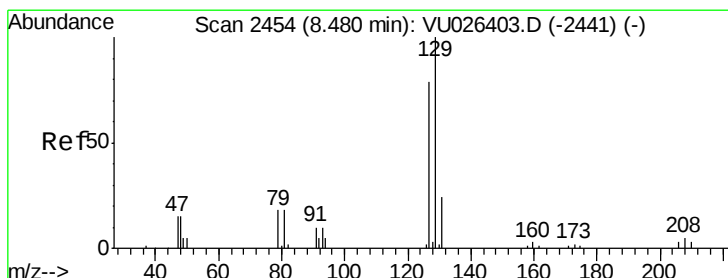
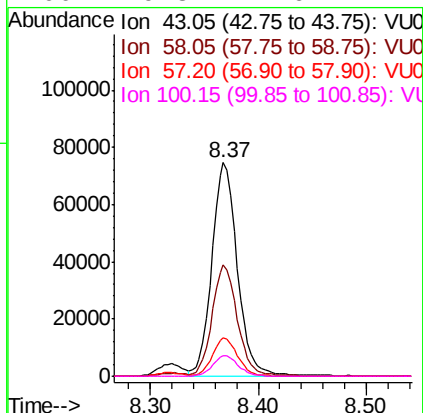
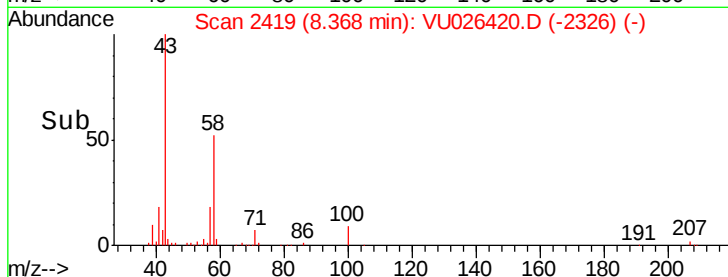
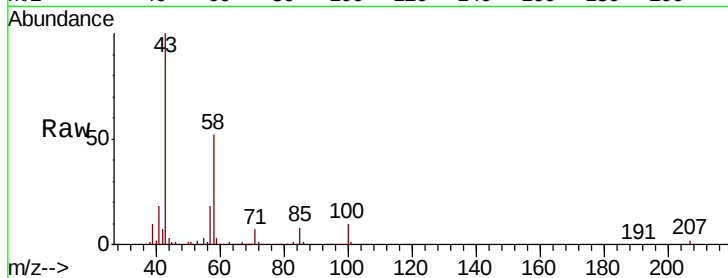




#48
2-Hexanone
Concen: 50.736 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

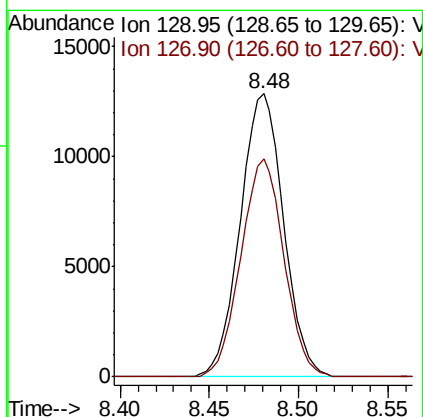
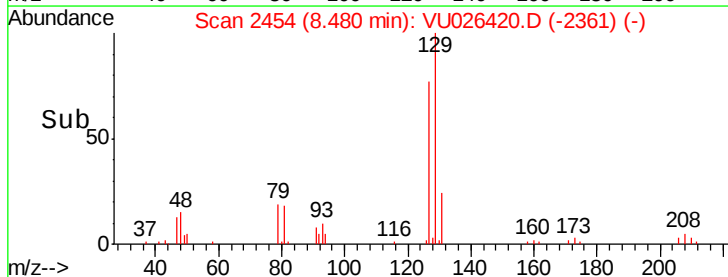
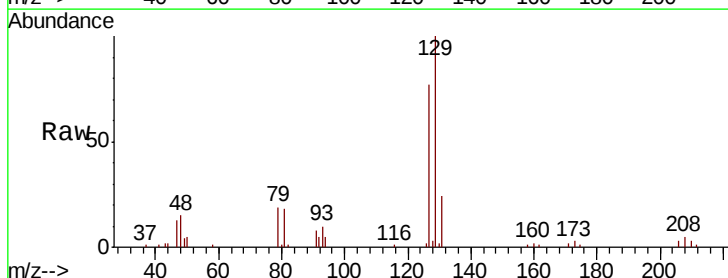
Instrument :
MSVOA_U
ClientSampleId :

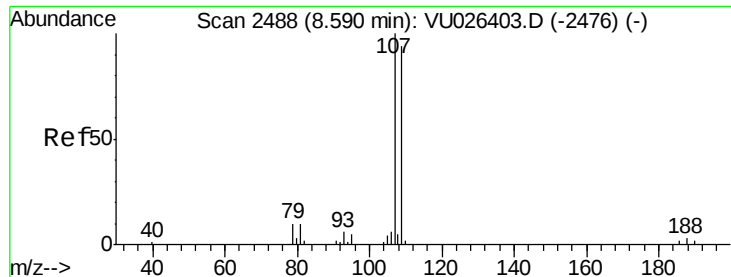
Tot Ion: 43 Resp: 121846
Ion Ratio Lower Upper
43 100
58 51.5 40.5 60.7
57 18.0 14.0 21.0
100 9.8 7.6 11.4



#49
Dibromochloromethane
Concen: 4.947 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

Tgt Ion: 129 Resp: 21795
Ion Ratio Lower Upper
129 100
127 76.8 55.6 103.2

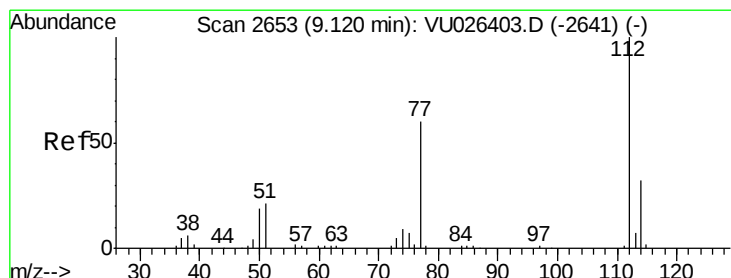
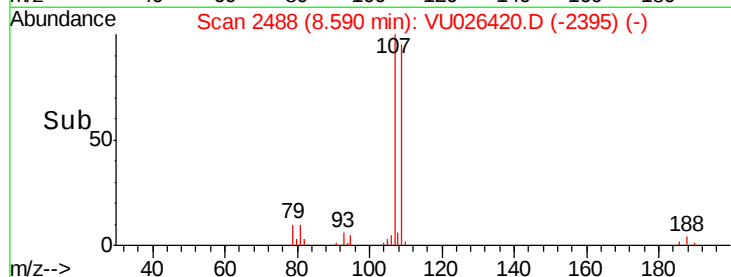
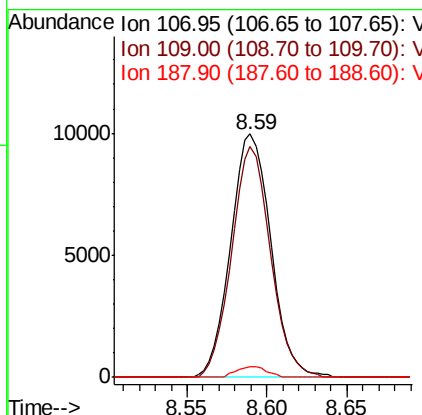
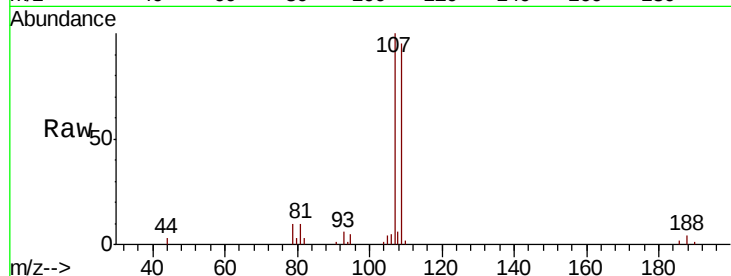




#50
 1,2-Dibromoethane
 Concen: 4.985 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

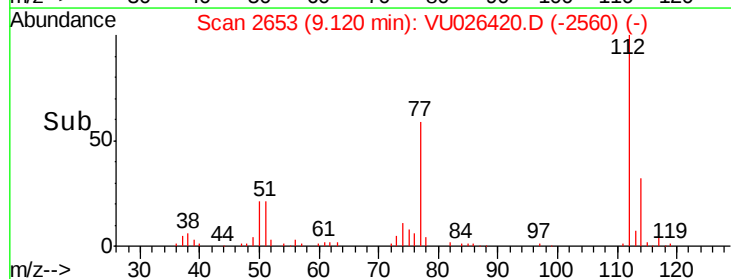
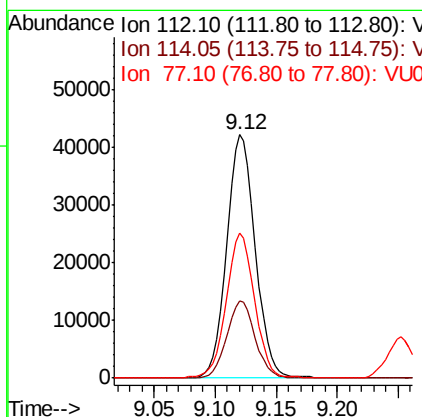
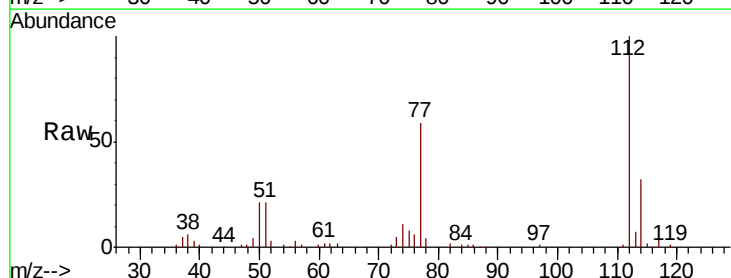
Instrument :
 MSVOA_U
 ClientSampleId :

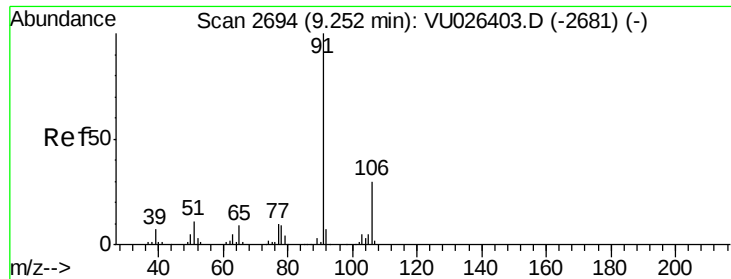
Tot Ion:107 Resp: 17031
 Ion Ratio Lower Upper
 107 100
 109 94.5 65.7 121.9
 188 4.4 2.7 4.1#



#51
 Chlorobenzene
 Concen: 5.034 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion:112 Resp: 69116
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.3 41.3
 77 59.4 48.4 72.6





#52

Ethylbenzene

Concen: 5.013 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

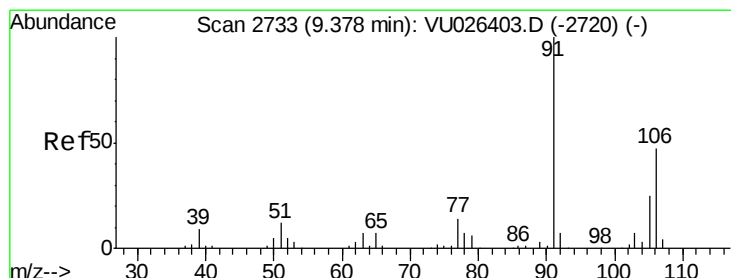
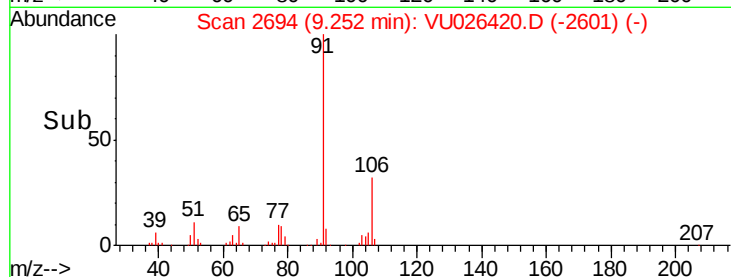
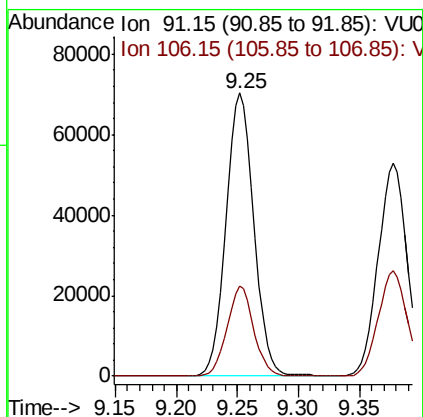
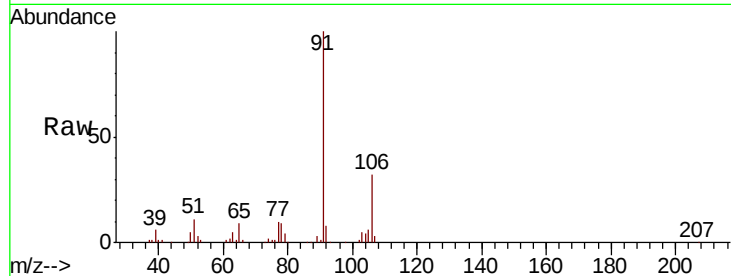
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 112439

Ion Ratio Lower Upper

91 100

106 31.9 21.2 39.4



#53

m,p-xylene

Concen: 5.223 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026420.D

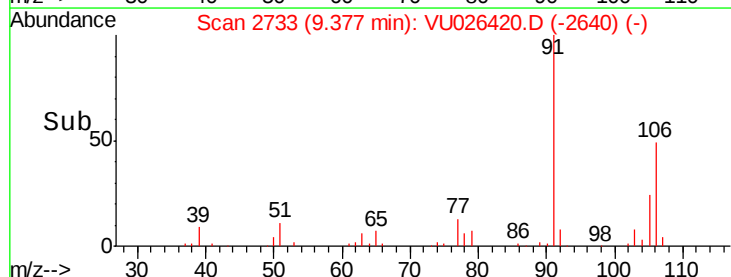
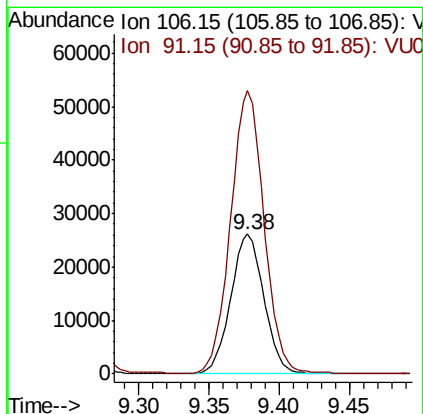
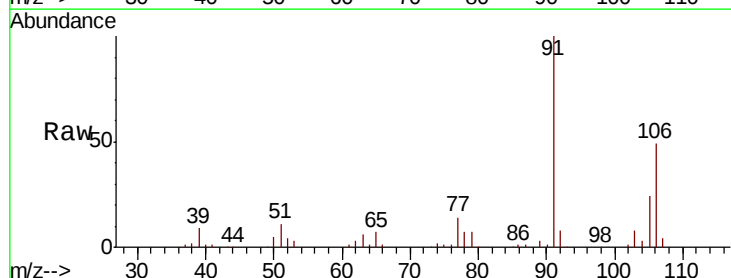
Acq: 29 Aug 2018 00:34

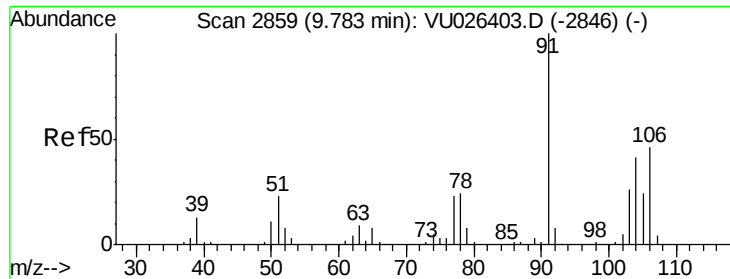
Tgt Ion: 106 Resp: 43090

Ion Ratio Lower Upper

106 100

91 202.4 148.4 275.6





#54

o-xylene

Concen: 5.193 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

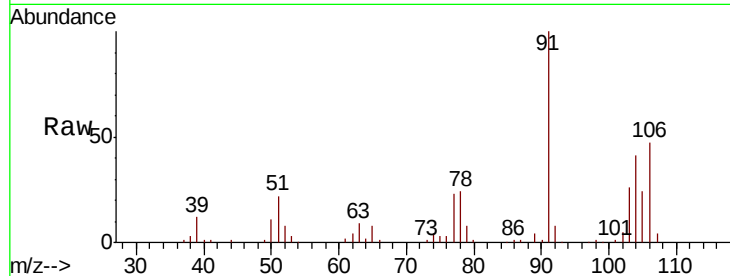
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 40530

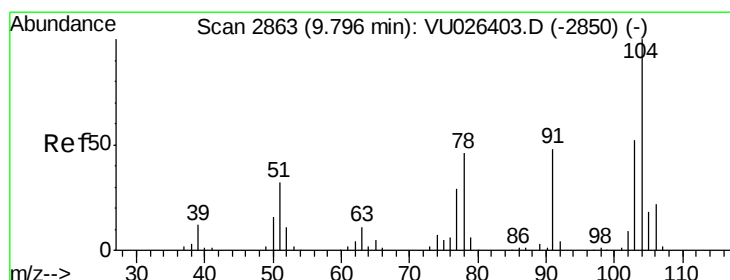
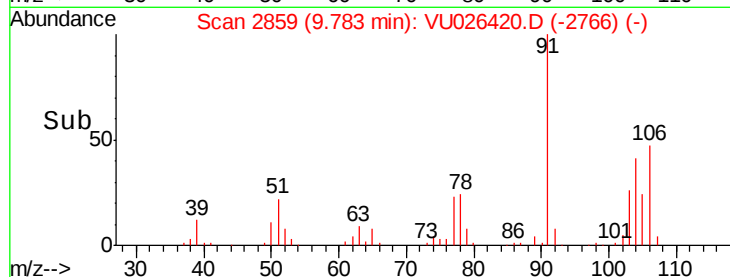
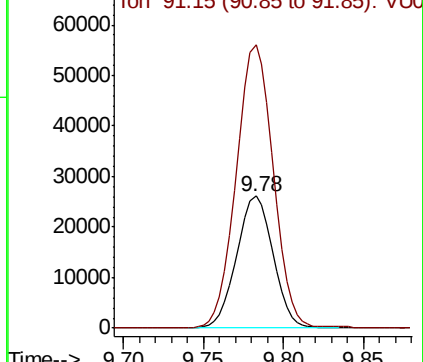
Ion Ratio Lower Upper

106 100

91 214.3 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.293 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026420.D

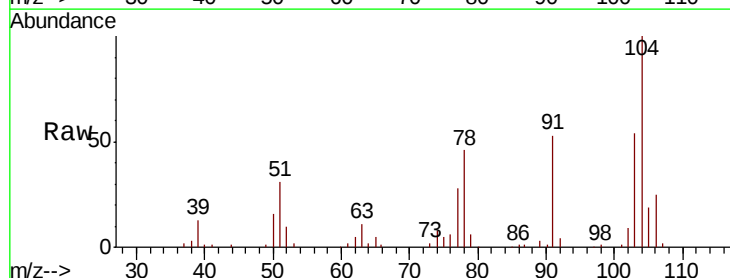
Acq: 29 Aug 2018 00:34

Tgt Ion:104 Resp: 72358

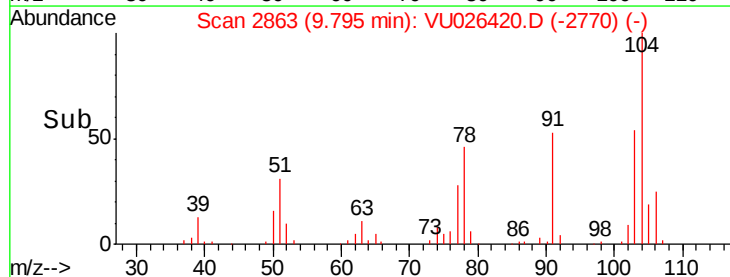
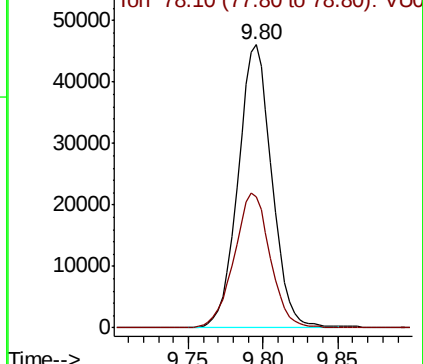
Ion Ratio Lower Upper

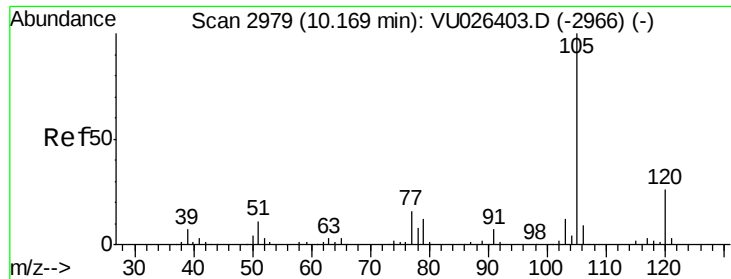
104 100

78 46.5 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 5.239 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

Instrument :

MSVOA_U

ClientSampleId :

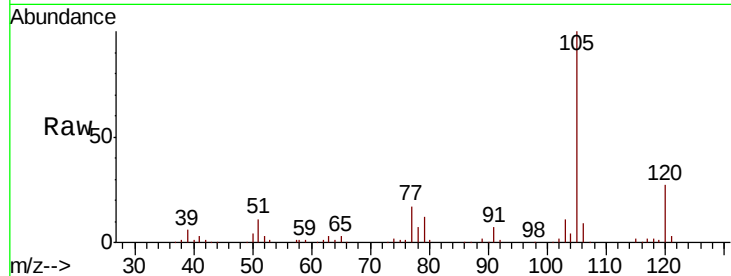
Tot Ion:105 Resp: 108770

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

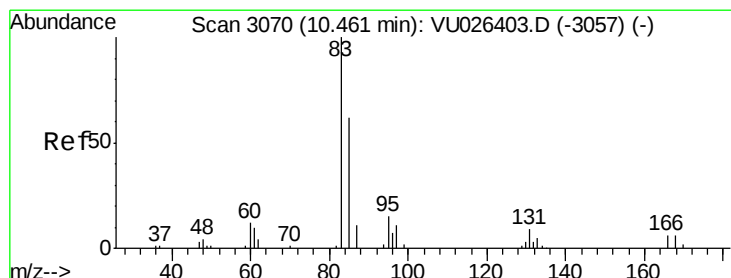
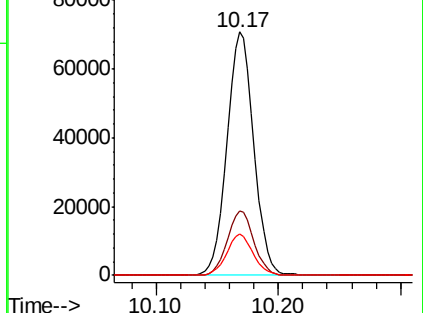
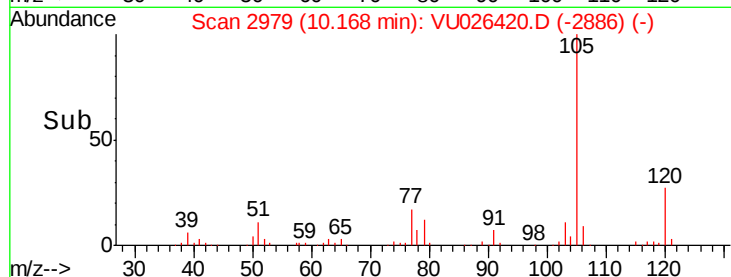
77 16.7 13.4 20.2



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: 4.873 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

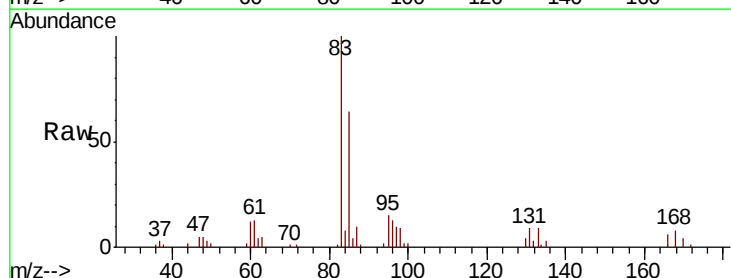
Tgt Ion: 83 Resp: 23072

Ion Ratio Lower Upper

83 100

85 64.4 44.1 81.9

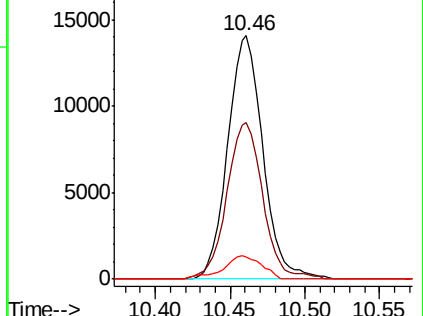
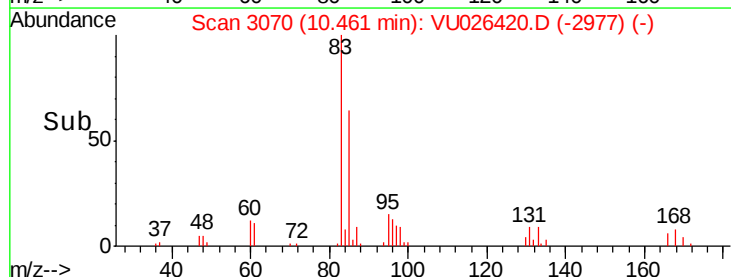
131 8.9 7.3 10.9

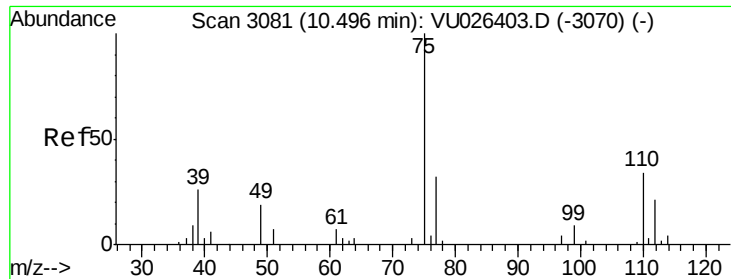


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

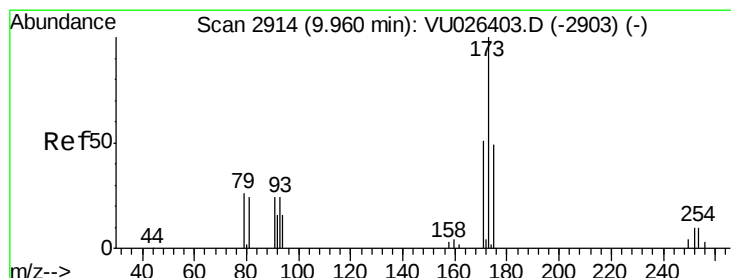
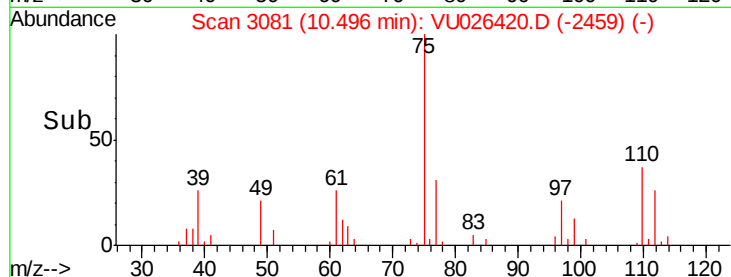
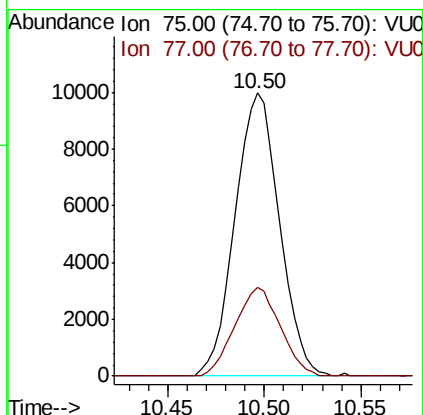
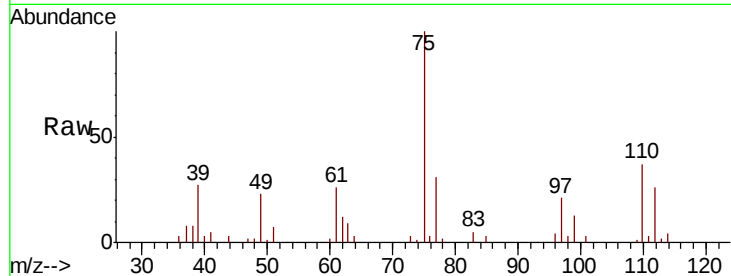




#59
 1,2,3-Trichloropropane
 Concen: 4.795 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

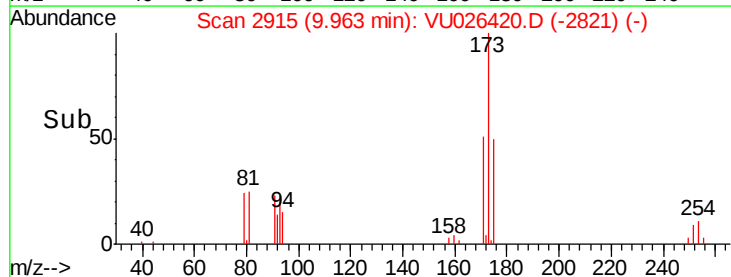
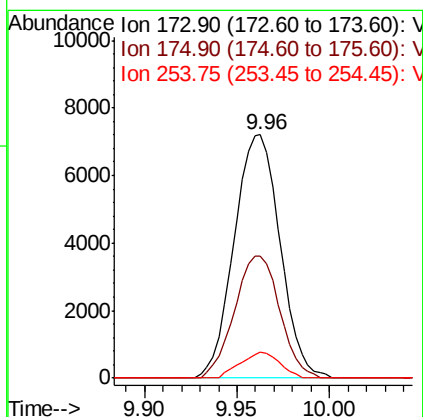
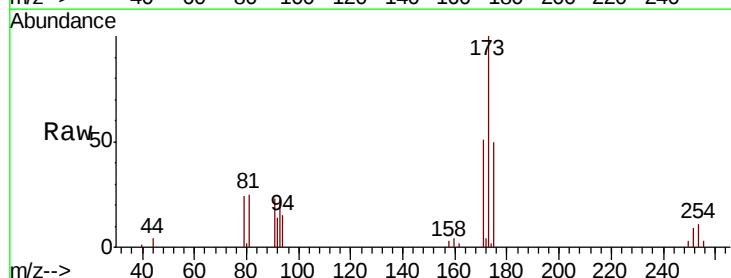
Instrument :
 MSVOA_U
 ClientSampled :

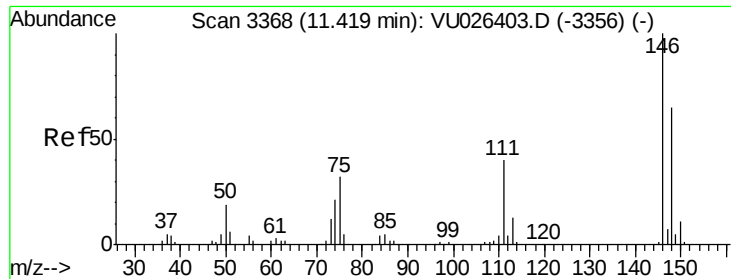
Tot Ion: 75 Resp: 15955
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.4



#61
 Bromoform
 Concen: 4.892 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion: 173 Resp: 12389
 Ion Ratio Lower Upper
 173 100
 175 49.6 40.0 60.0
 254 9.2 7.9 11.9

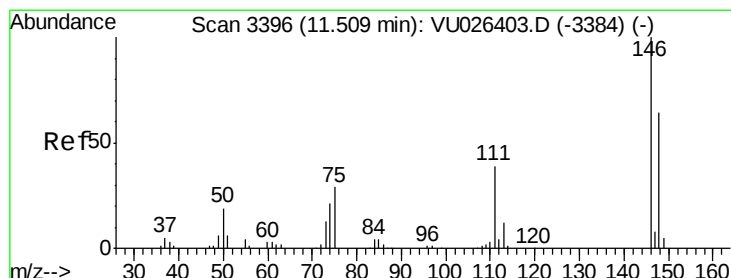
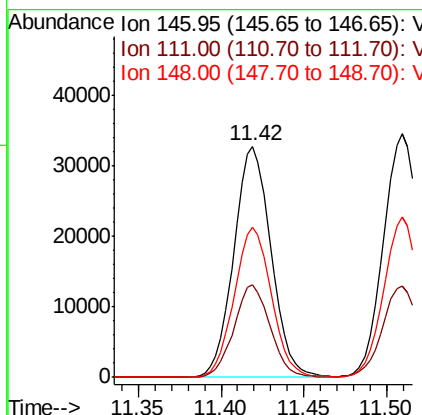
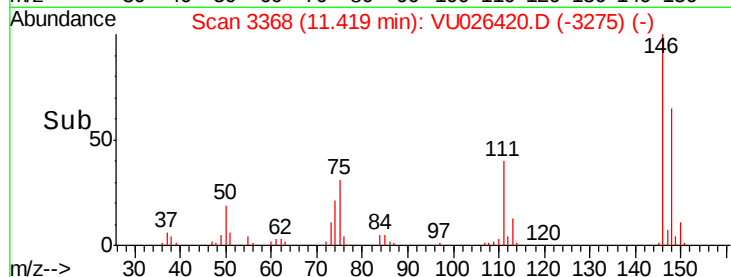
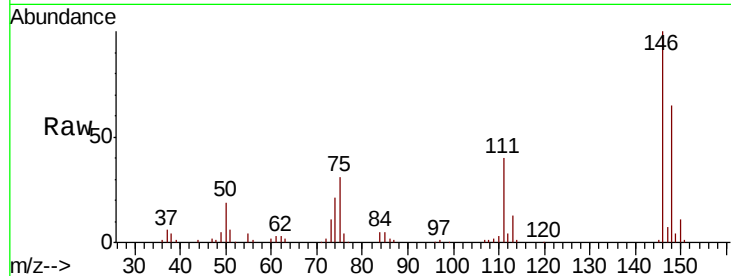




#62
 1,3-Dichlorobenzene
 Concen: 4.956 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

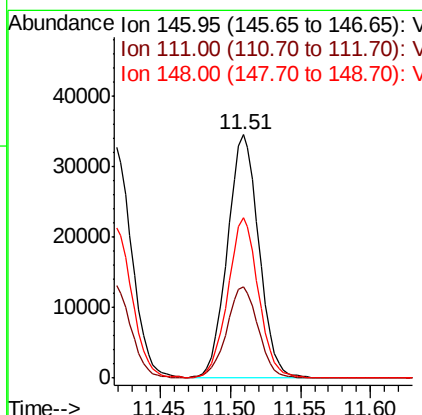
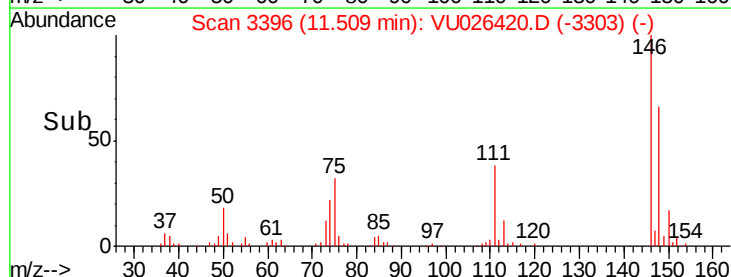
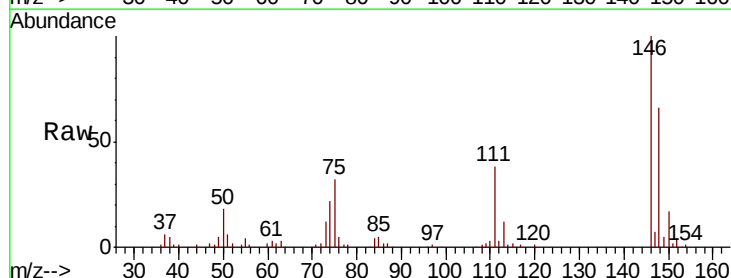
Instrument :
 MSVOA_U
 ClientSampled :

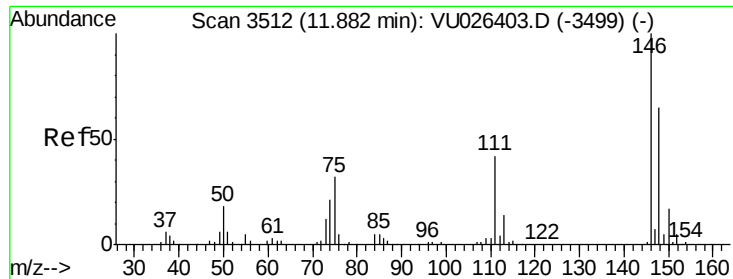
Tot Ion:146 Resp: 51116
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.1 52.1
 148 65.2 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 4.974 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion:146 Resp: 53963
 Ion Ratio Lower Upper
 146 100
 111 37.7 27.2 50.4
 148 65.9 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 4.976 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

Instrument :

MSVOA_U

ClientSampleId :

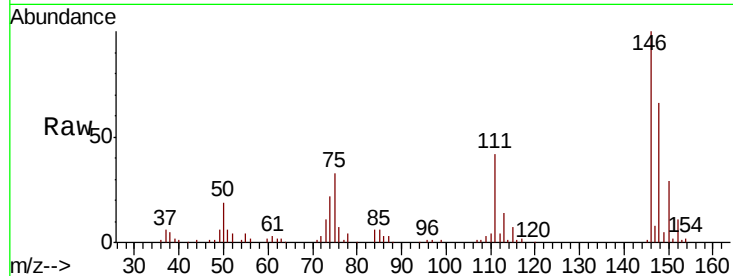
Tot Ion:146 Resp: 50722

Ion Ratio Lower Upper

146 100

111 41.7 33.7 50.5

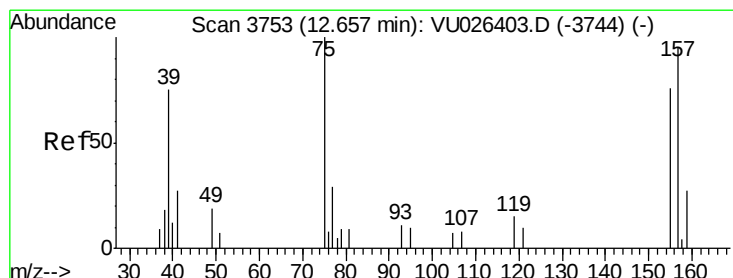
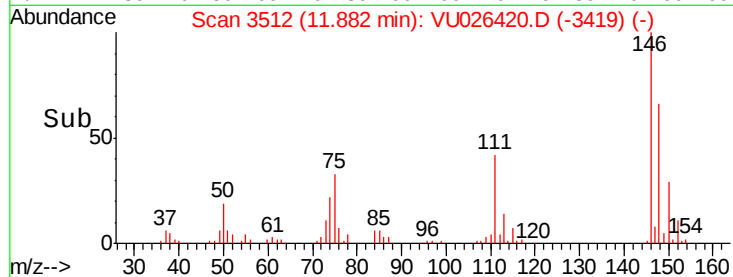
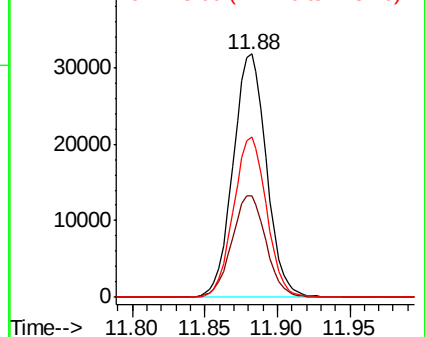
148 65.7 51.9 77.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.655 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU026420.D

Acq: 29 Aug 2018 00:34

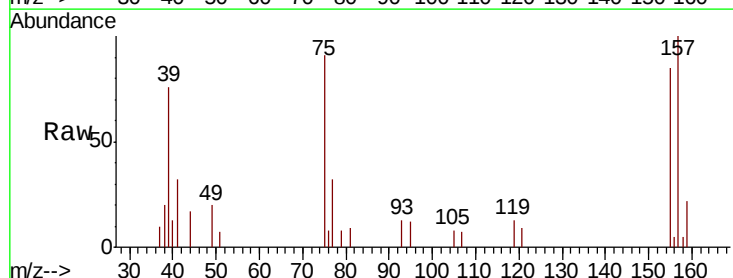
Tgt Ion: 75 Resp: 3174

Ion Ratio Lower Upper

75 100

155 93.6 60.8 91.2#

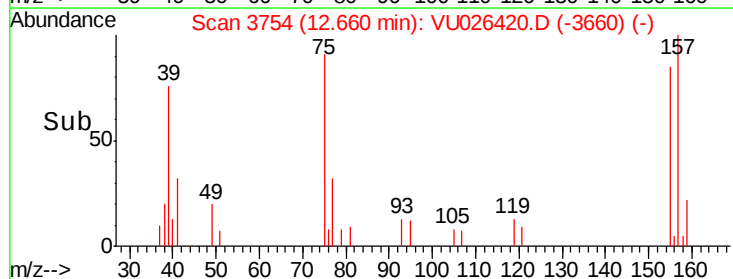
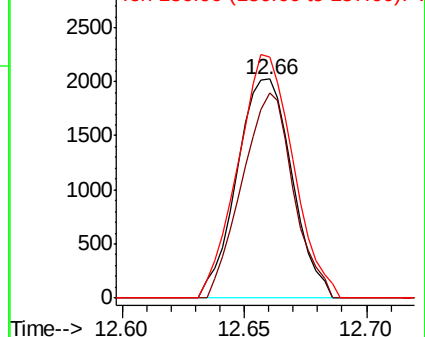
157 110.0 75.9 113.9

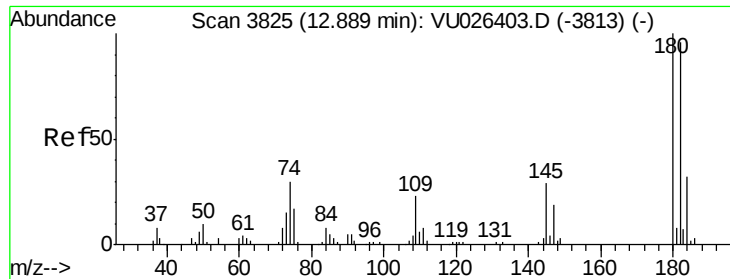


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

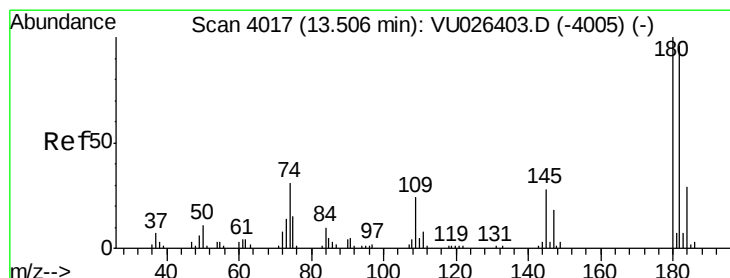
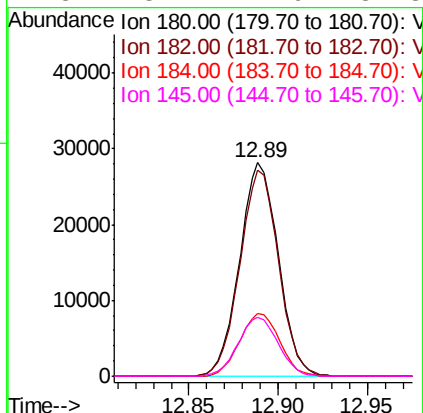
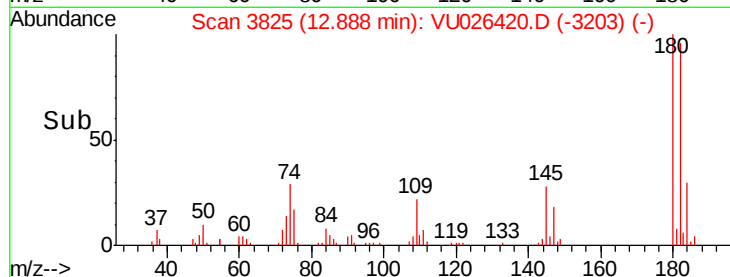
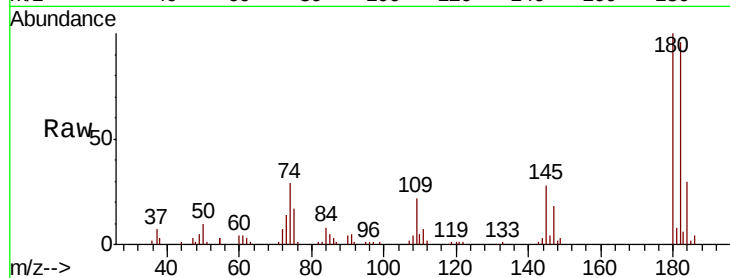




#67
 1,3,5-Trichlorobenzene
 Concen: 4.941 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

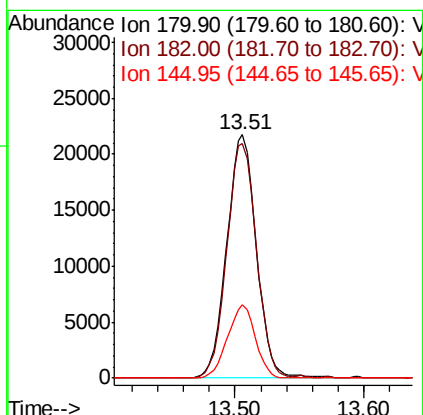
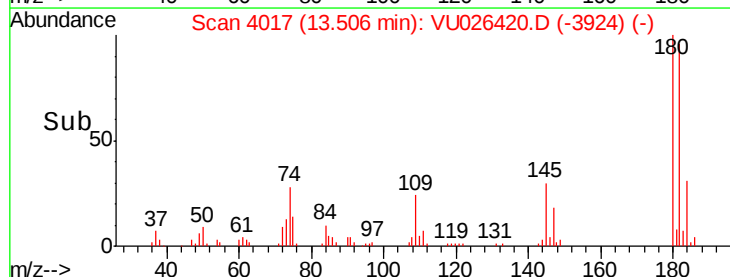
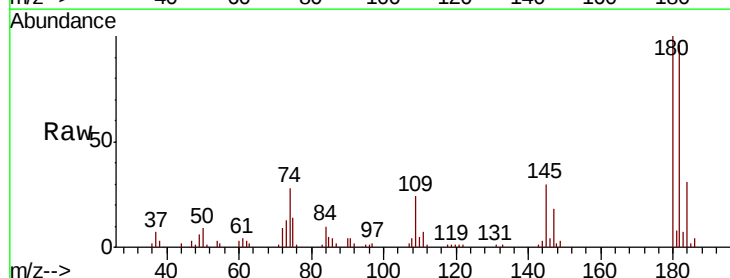
Instrument :
 MSVOA_U
 ClientSampleId :

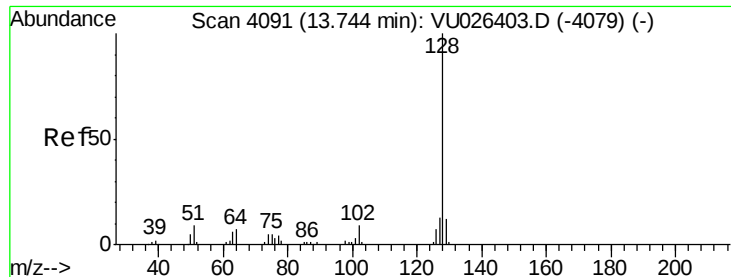
Tot Ion:180	Resp:	42610
Ion Ratio	Lower	Upper
180 100		
182 96.4	78.0	117.0
184 30.3	25.0	37.6
145 28.4	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 4.983 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026420.D
 Acq: 29 Aug 2018 00:34

Tgt Ion:180	Resp:	34550
Ion Ratio	Lower	Upper
180 100		
182 96.4	76.9	115.3
145 28.2	23.6	35.4

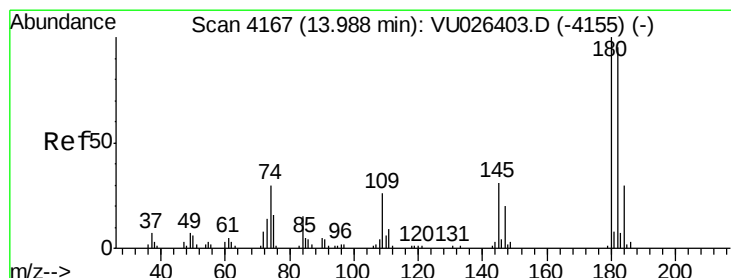
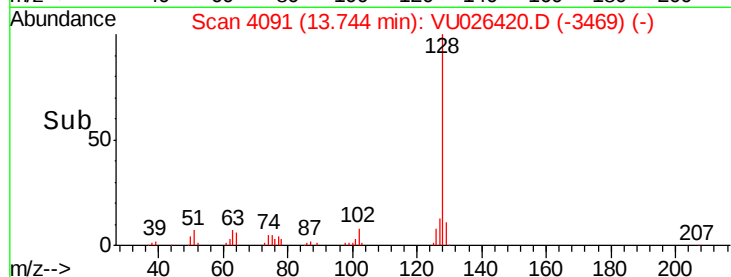
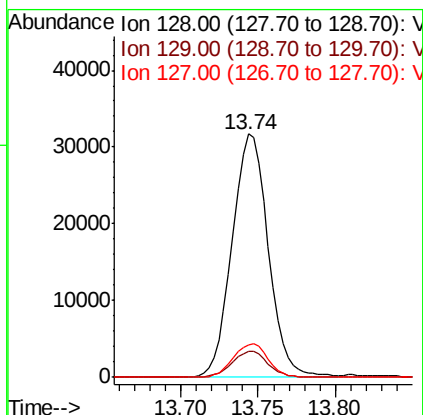
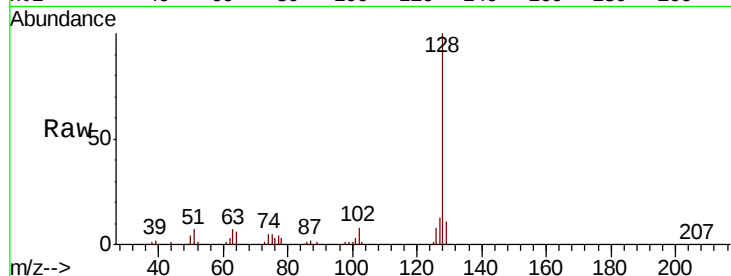




#69
Naphthalene
Concen: 4.870 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 51551
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.3 10.6 15.8



#70
1,2,3-Trichlorobenzene
Concen: 5.125 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU026420.D
Acq: 29 Aug 2018 00:34

Tgt Ion:180 Resp: 32862
Ion Ratio Lower Upper
180 100
182 96.7 75.4 113.2
145 30.4 23.8 35.8

