

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026426.D
 Acq On : 29 Aug 2018 16:05
 Operator : MD/SY
 Sample : VSTD20051
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 01:57:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 01:55:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	166387	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	166684	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	95954	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	200592	194.58	ug/L	0.00
7) Chloroethane-d5	1.66	69	176215	189.26	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	448458	193.17	ug/L	0.00
21) 2-Butanone-d5	4.18	46	341193	426.43	ug/L	0.00
24) Chloroform-d	4.65	84	382553	196.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	251336	193.89	ug/L	0.00
32) Benzene-d6	5.34	84	762272	198.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	257886	195.40	ug/L	0.00
41) Toluene-d8	7.57	98	762238	205.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	130244	216.11	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	296282	489.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	411287	211.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	345714	198.58	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	253032	195.033	ug/L	99
3) Chloromethane	1.33	50	305454	190.678	ug/L	100
5) Vinyl chloride	1.40	62	346991	199.802	ug/L	99
6) Bromomethane	1.60	94	237424	230.603	ug/L	99
8) Chloroethane	1.68	64	206120	197.678	ug/L	100
9) Trichlorofluoromethane	1.88	101	429597	194.529	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	234803	190.552	ug/L	99
12) 1,1-Dichloroethene	2.27	96	228489	192.387	ug/L	97
13) Acetone	2.32	43	245145	353.831	ug/L	98
14) Carbon disulfide	2.47	76	671142	199.686	ug/L	100
15) Methyl Acetate	2.62	43	271618	199.661	ug/L	99
16) Methylene chloride	2.70	84	237506	194.507	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	221222	205.932	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	697868	213.998	ug/L	100
19) 1,1-Dichloroethane	3.45	63	422263	200.046	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	251495	208.983	ug/L	99
22) 2-Butanone	4.26	43	399631	429.128	ug/L	99
23) Bromochloromethane	4.55	128	127690	205.950	ug/L	91
25) Chloroform	4.67	83	429414	199.202	ug/L	96
27) 1,2-Dichloroethane	5.41	62	350339	201.509	ug/L	99
29) Cyclohexane	5.00	56	395064	217.532	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	360840	196.722	ug/L	99
31) Carbon tetrachloride	5.14	117	328874	197.328	ug/L	99
33) Benzene	5.39	78	956291	200.118	ug/L	100
34) Trichloroethene	6.19	95	241076	201.127	ug/L	98
35) Methylcyclohexane	6.42	83	410244	219.191	ug/L	98
37) 1,2-Dichloropropane	6.44	63	269002	203.341	ug/L	99
38) Bromodichloromethane	6.76	83	335235	198.716	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	418920	222.239	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	811623	454.918	ug/L	99

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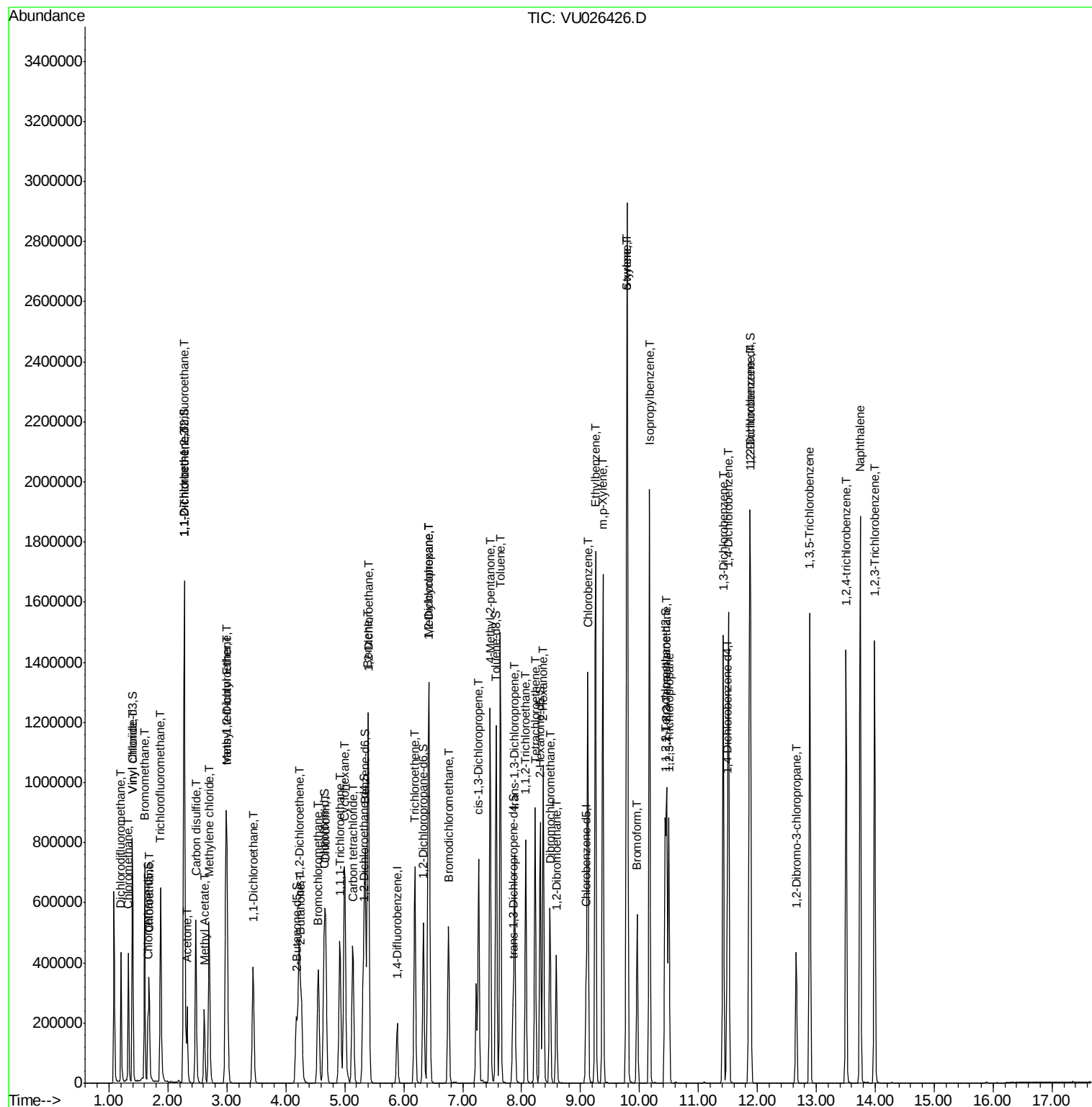
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1050169	210.612	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	400032	222.654	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	240851	198.736	ug/L	99
46) Tetrachloroethene	8.23	164	199567	203.645	ug/L	97
48) 2-Hexanone	8.37	43	656806	467.433	ug/L	99
49) Dibromochloromethane	8.48	129	289213	211.794	ug/L	99
50) 1,2-Dibromoethane	8.59	107	268986	208.431	ug/L	97
51) Chlorobenzene	9.12	112	691091	207.260	ug/L	99
52) Ethylbenzene	9.25	91	1207741	222.702	ug/L	100
53) m,p-Xylene	9.38	106	458610	226.481	ug/L	99
54) o-xylene	9.78	106	460586	233.244	ug/L	98
55) Styrene	9.80	104	827901	239.998	ug/L	99
56) Isopropylbenzene	10.17	105	1211207	234.318	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	463231	216.993	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	354670	214.859	ug/L	99
61) Bromoform	9.96	173	244814	206.719	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	579903	206.530	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	597307	201.125	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	593698	200.467	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	101921	204.667	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	475885	210.014	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	437516	221.062	ug/L	100
69) Naphthalene	13.74	128	1413390	228.723	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	449580	206.876	ug/L	100

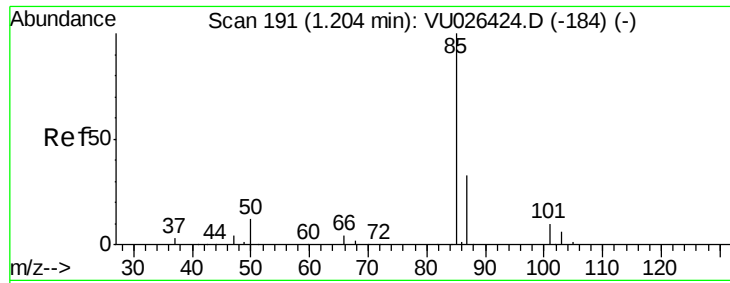
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 195.033 ug/L

RT: 1.20 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

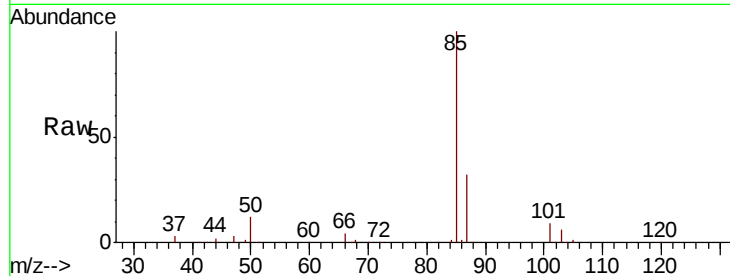
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 253032

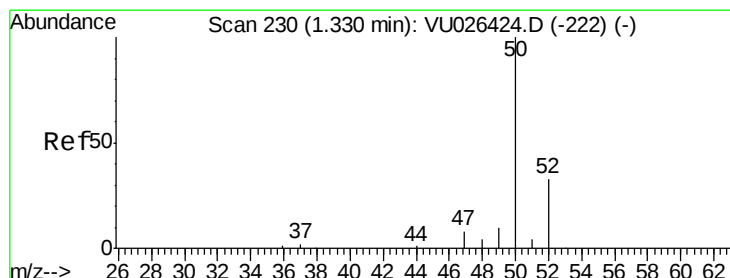
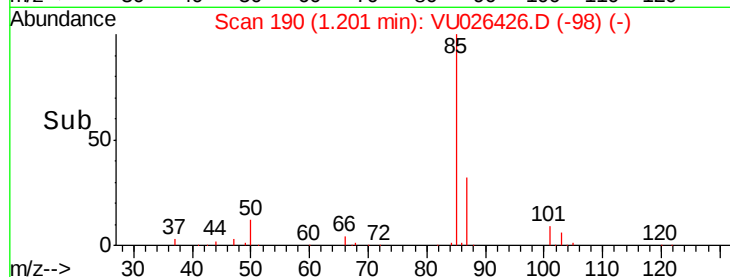
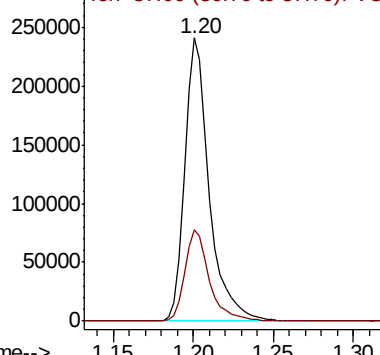
Ion Ratio Lower Upper

85 100

87 32.4 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: 190.678 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026426.D

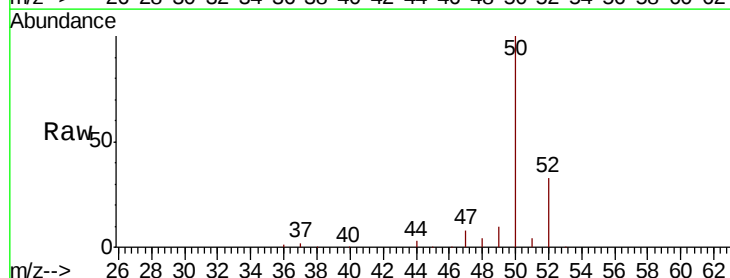
Acq: 29 Aug 2018 16:05

Tgt Ion: 50 Resp: 305454

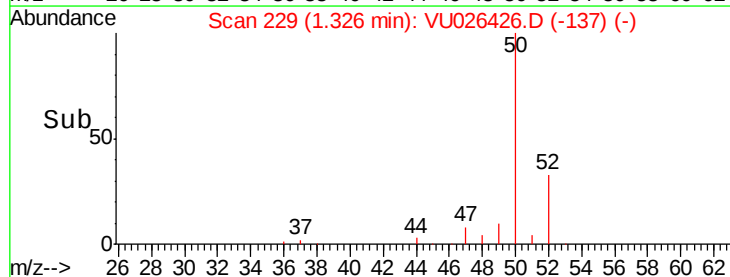
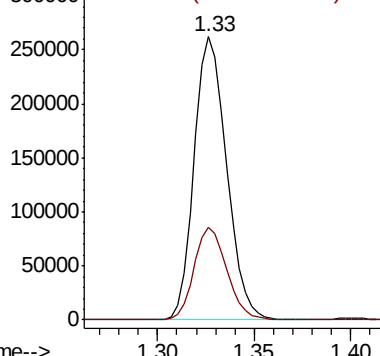
Ion Ratio Lower Upper

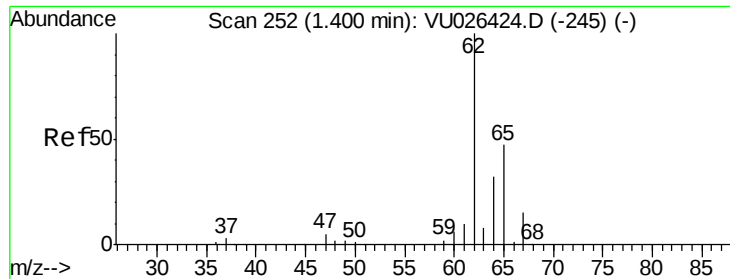
50 100

52 32.7 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: 199.802 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

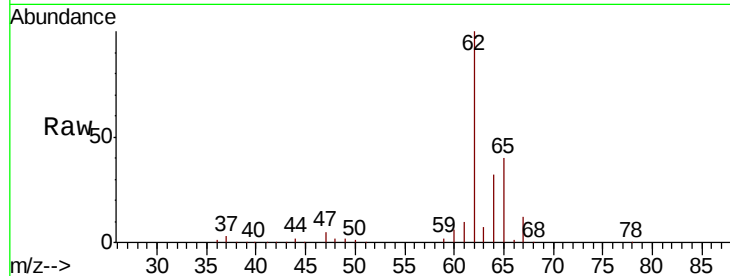
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 346991

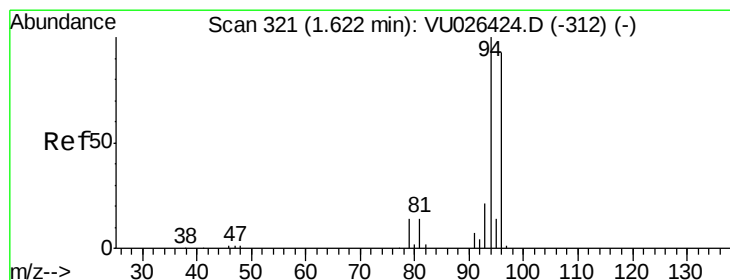
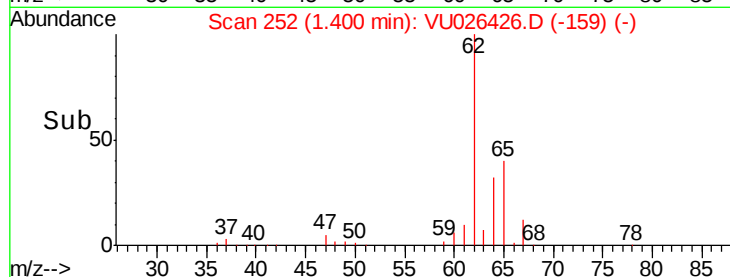
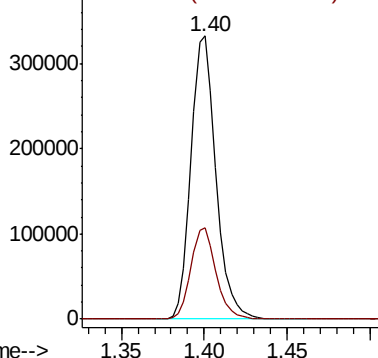
Ion Ratio Lower Upper

62 100

64 32.3 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: 230.603 ug/L

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU026426.D

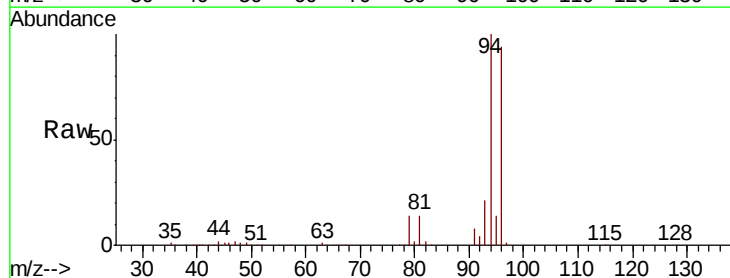
Acq: 29 Aug 2018 16:05

Tgt Ion: 94 Resp: 237424

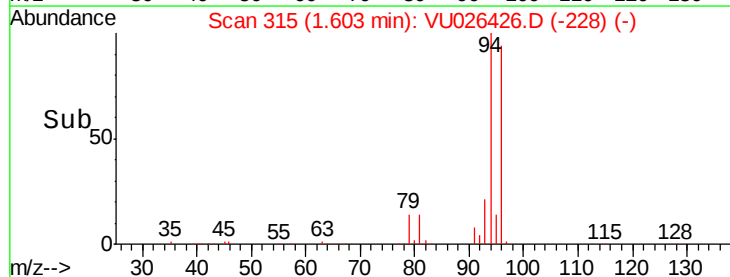
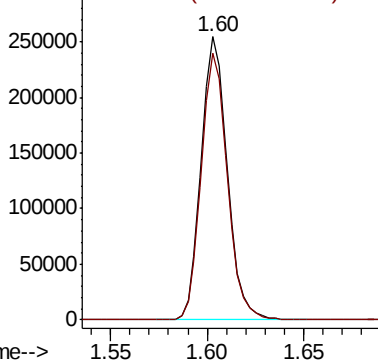
Ion Ratio Lower Upper

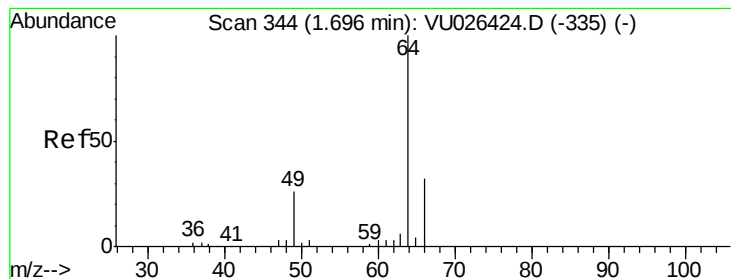
94 100

96 94.4 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: 197.678 ug/L

RT: 1.68 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

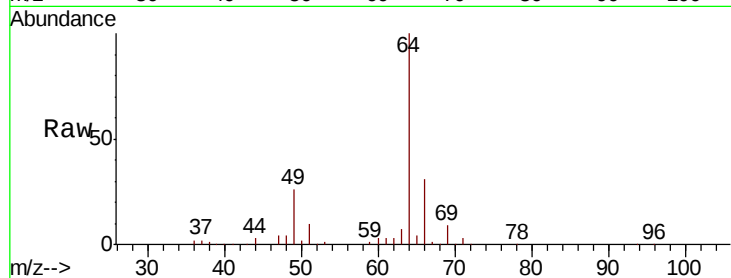
ClientSampleId :

Tot Ion: 64 Resp: 206120

Ion Ratio Lower Upper

64 100

66 31.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026426.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VU026426.D (-335) (-)

1.68

150000

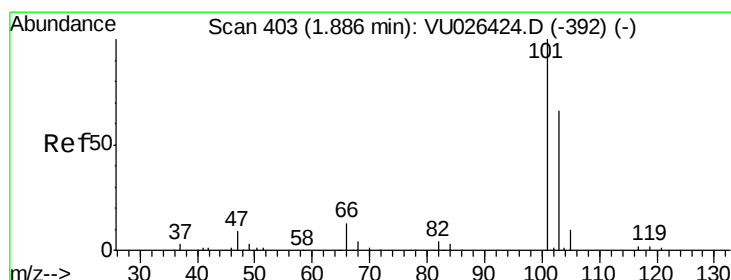
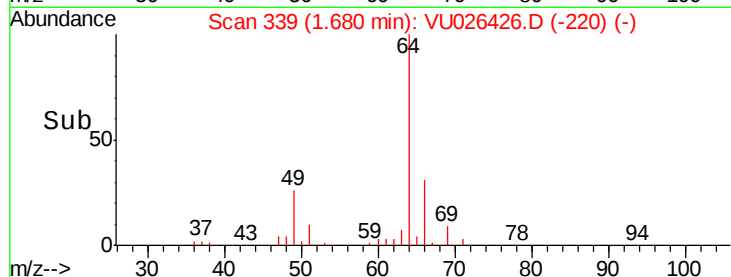
100000

50000

0

1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 194.529 ug/L

RT: 1.88 min Scan# 400

Delta R.T. -0.01 min

Lab File: VU026426.D

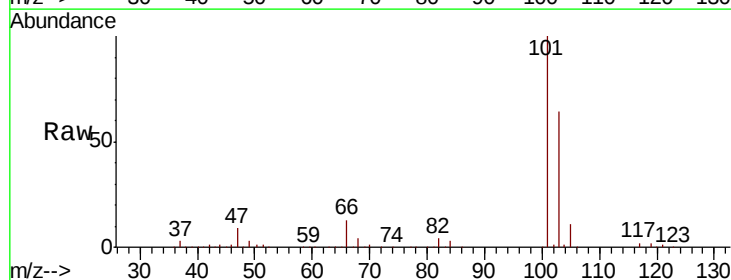
Acq: 29 Aug 2018 16:05

Tgt Ion:101 Resp: 429597

Ion Ratio Lower Upper

101 100

103 64.3 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026426.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026426.D (-392) (-)

1.88

300000

250000

200000

150000

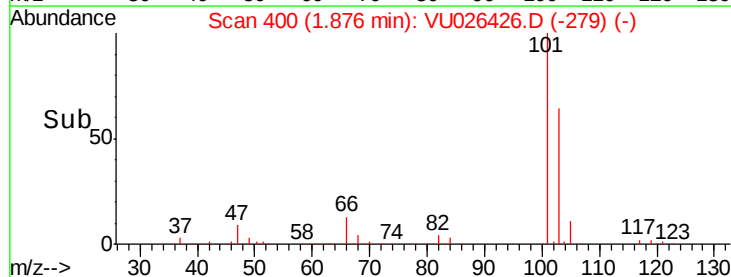
100000

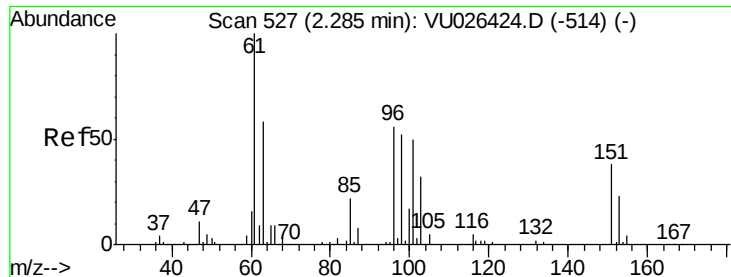
50000

0

1.80 1.90 2.00

Time-->





#10

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

Concen: 190.552 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

ClientSampleId :

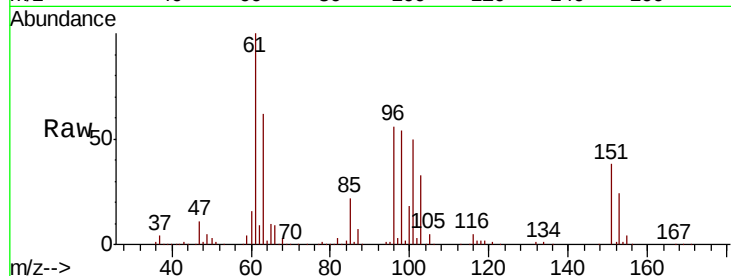
Tot Ion:101 Resp: 234803

Ion Ratio Lower Upper

101 100

85 43.7 35.3 52.9

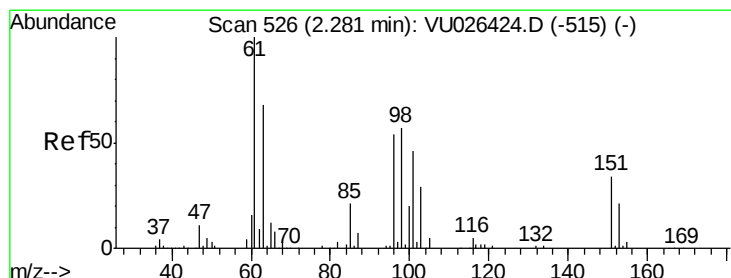
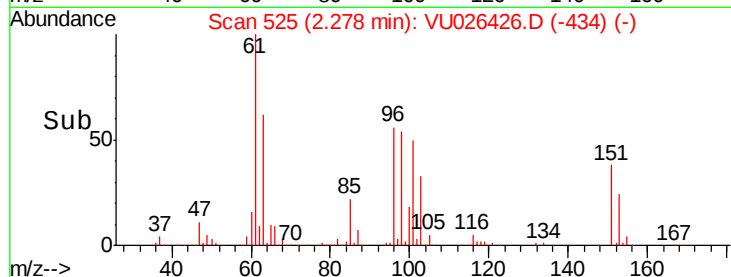
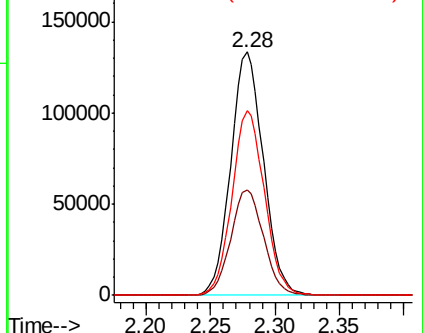
151 75.4 60.7 91.1



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: 192.387 ug/L

RT: 2.27 min Scan# 524

Delta R.T. -0.01 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

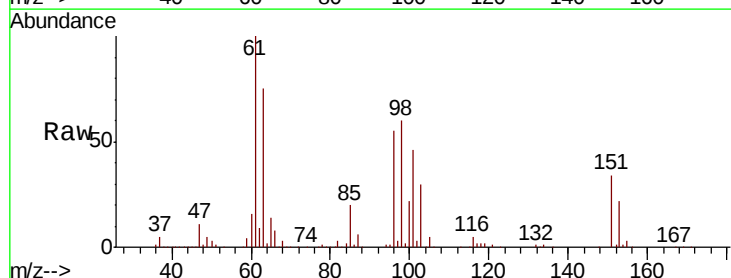
Tgt Ion: 96 Resp: 228489

Ion Ratio Lower Upper

96 100

61 182.9 129.3 240.1

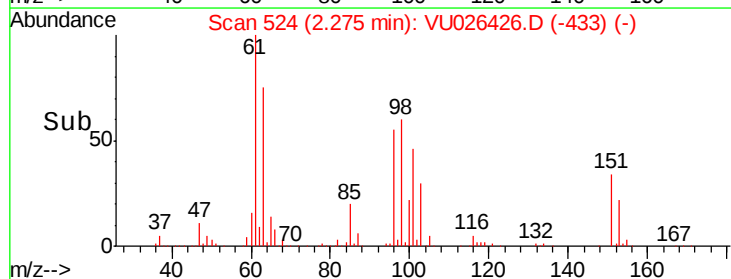
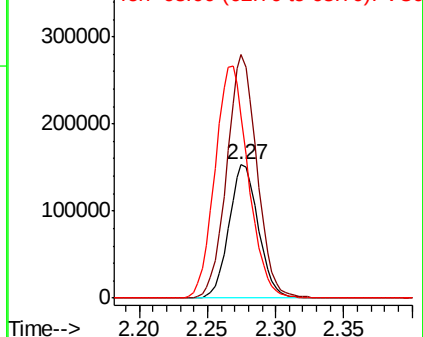
63 136.8 91.7 170.3

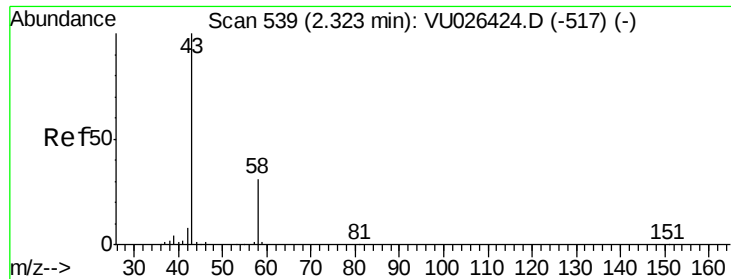


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 353.831 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

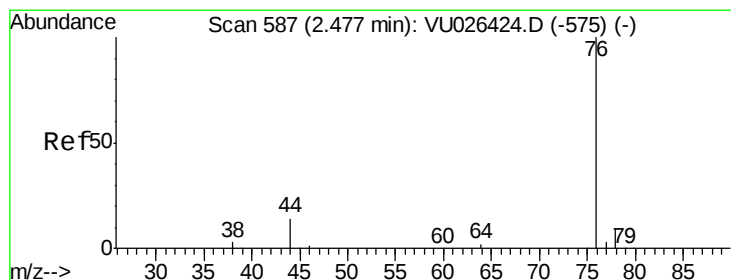
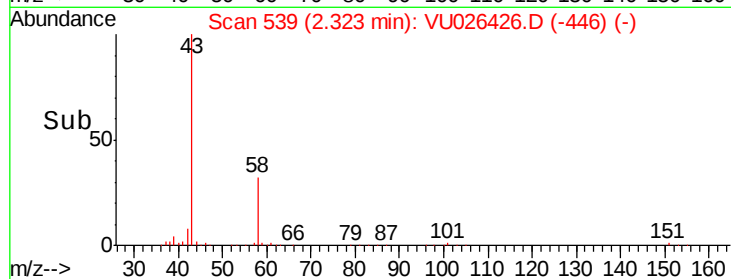
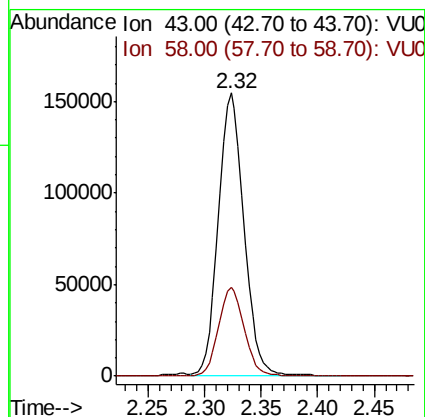
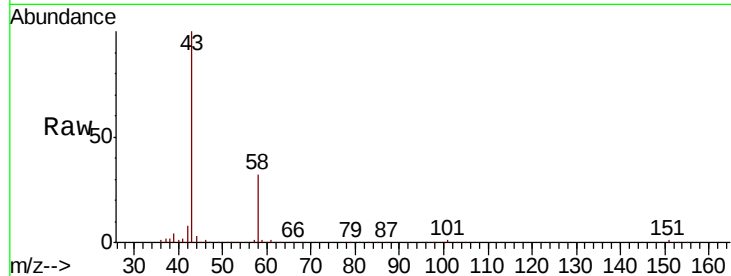
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 245145

Ion Ratio Lower Upper

43 100

58 31.5 0.0 61.2



#14

Carbon disulfide

Concen: 199.686 ug/L

RT: 2.47 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU026426.D

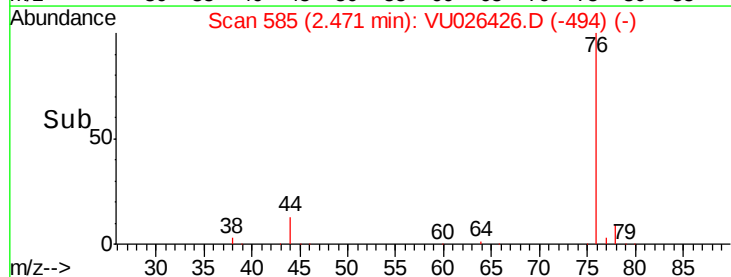
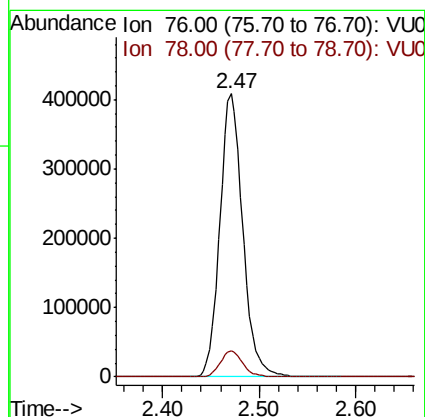
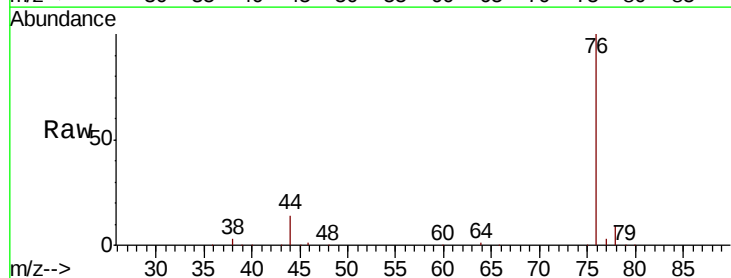
Acq: 29 Aug 2018 16:05

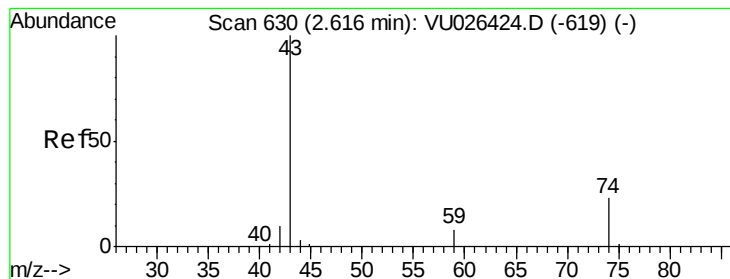
Tgt Ion: 76 Resp: 671142

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methvl Acetate

Concen: 199.661 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

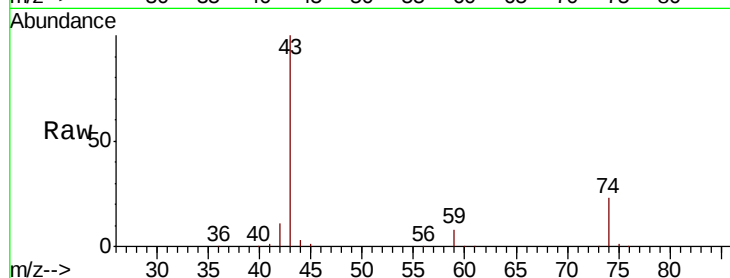
ClientSampleId :

Tot Ion: 43 Resp: 271618

Ion Ratio Lower Upper

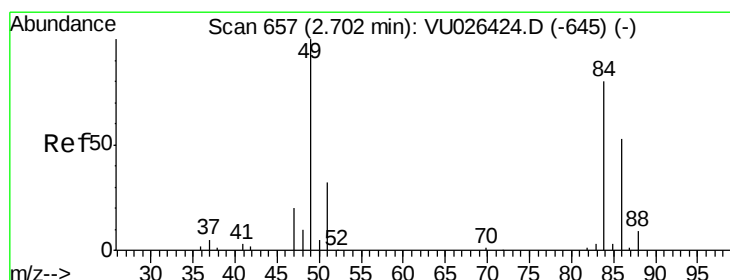
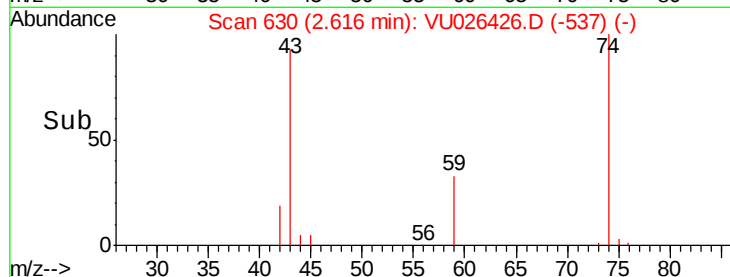
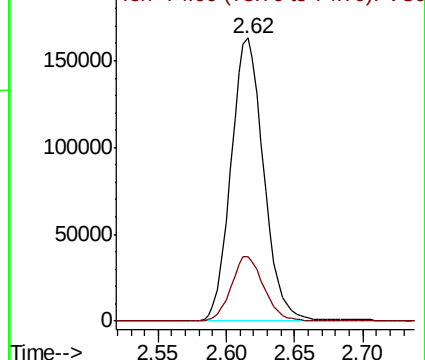
43 100

74 22.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 194.507 ug/L

RT: 2.70 min Scan# 655

Delta R.T. -0.01 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

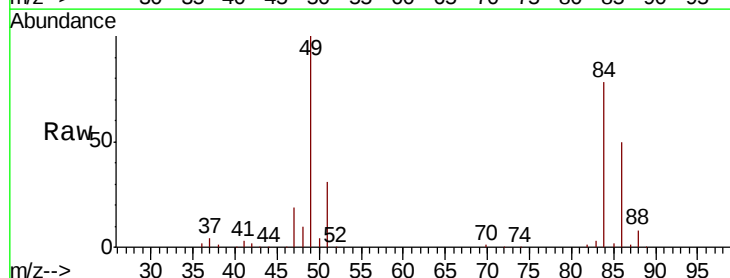
Tgt Ion: 84 Resp: 237506

Ion Ratio Lower Upper

84 100

86 64.3 46.2 85.8

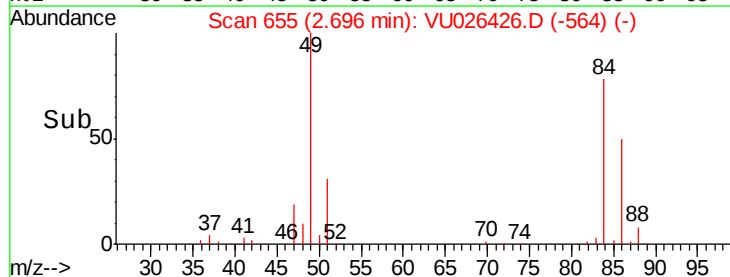
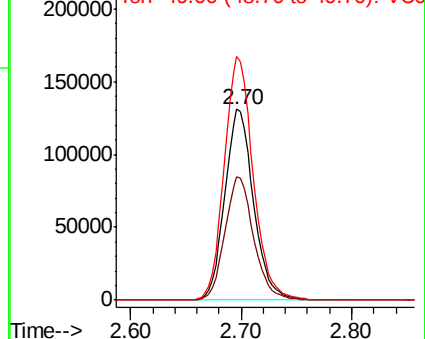
49 127.6 88.2 163.8

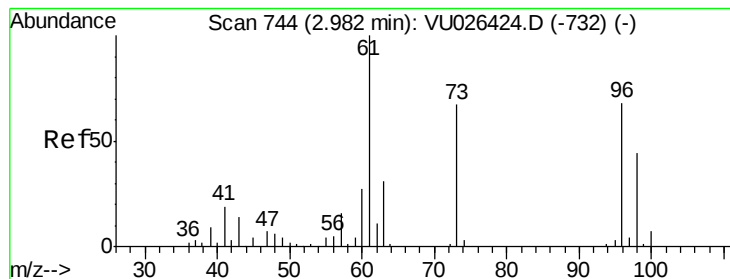


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 205.932 ug/L

RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

ClientSampleId :

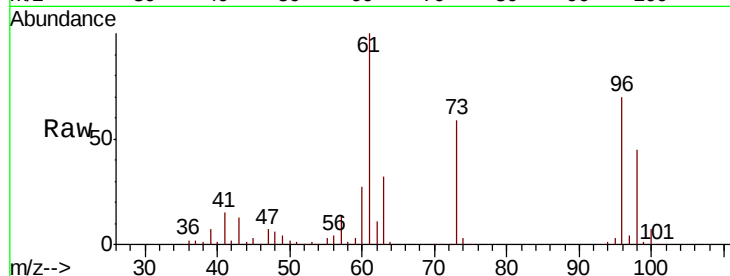
Tot Ion: 96 Resp: 221222

Ion Ratio Lower Upper

96 100

61 143.2 103.2 191.6

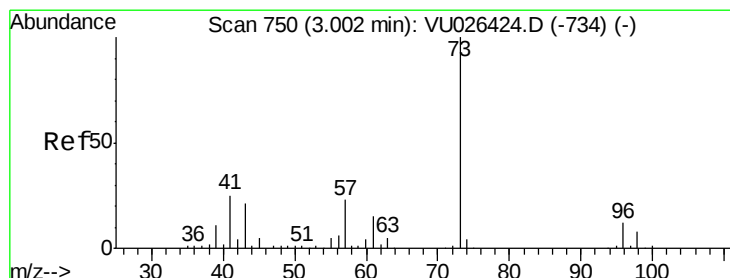
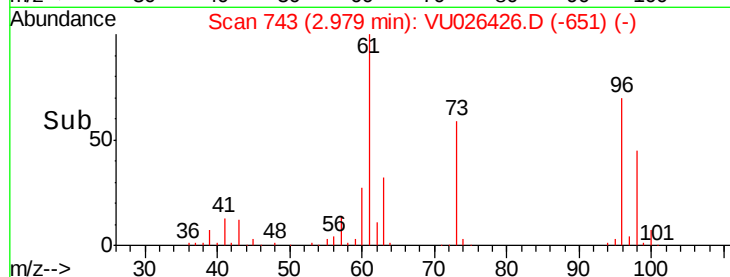
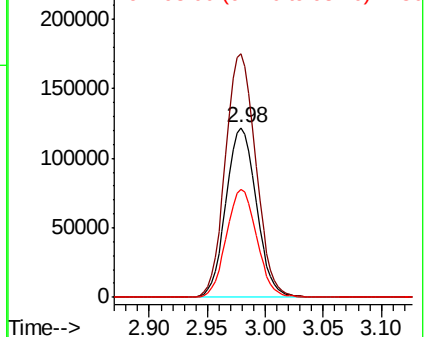
98 63.9 44.9 83.3



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: 213.998 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

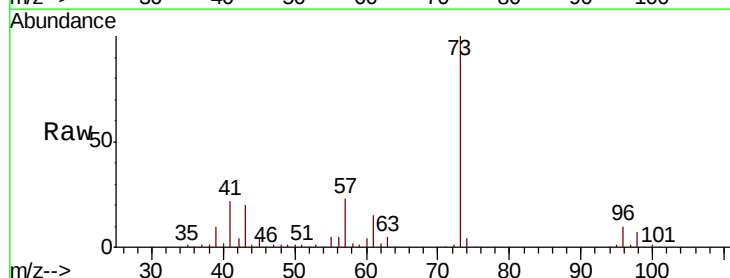
Tgt Ion: 73 Resp: 697868

Ion Ratio Lower Upper

73 100

43 20.4 16.6 25.0

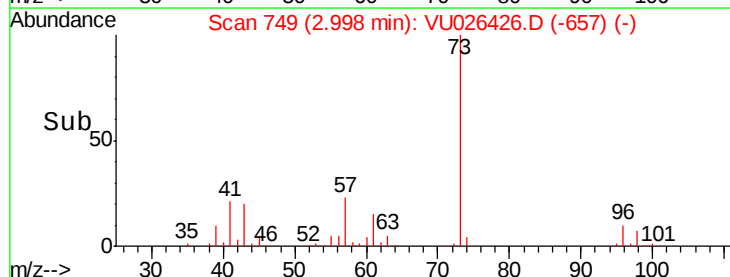
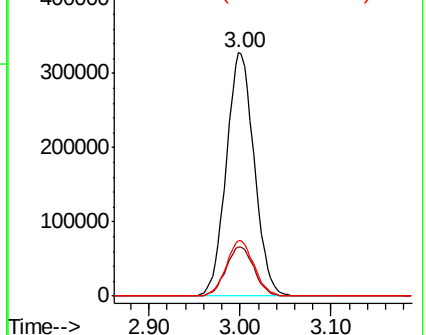
57 22.7 18.2 27.2

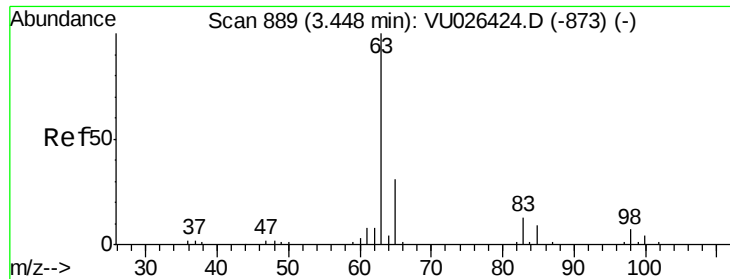


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 200.046 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

ClientSampled :

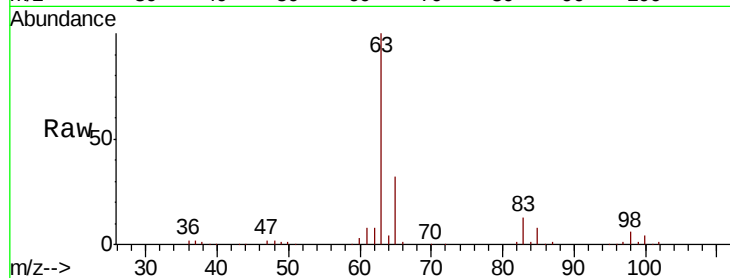
Tot Ion: 63 Resp: 422263

Ion Ratio Lower Upper

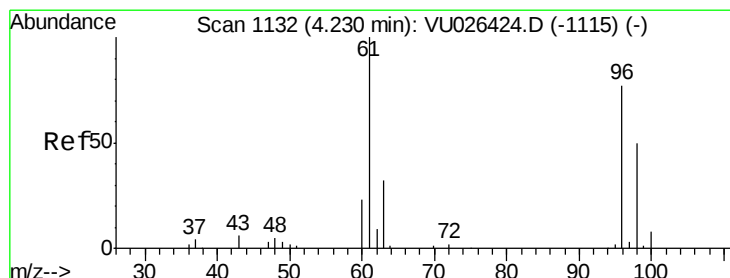
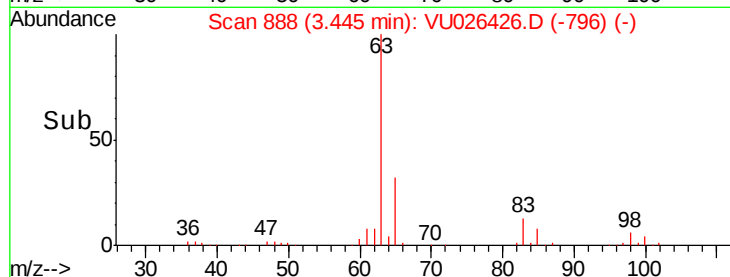
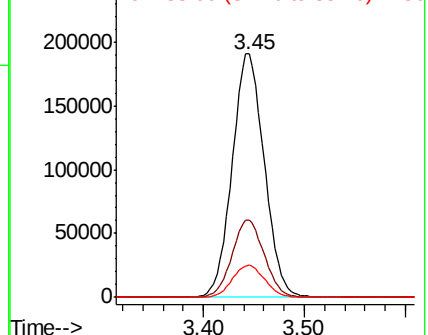
63 100

65 31.9 21.6 40.2

83 13.1 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 208.983 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

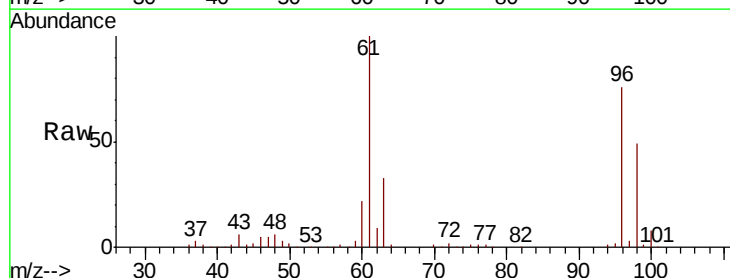
Tgt Ion: 96 Resp: 251495

Ion Ratio Lower Upper

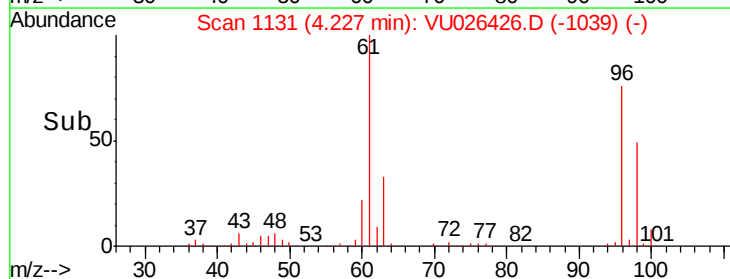
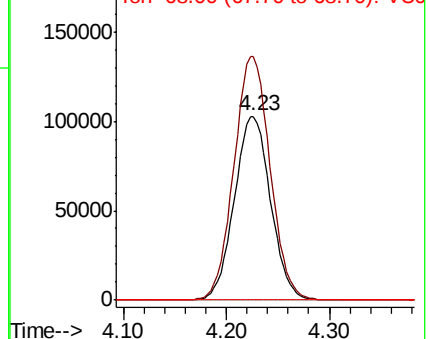
96 100

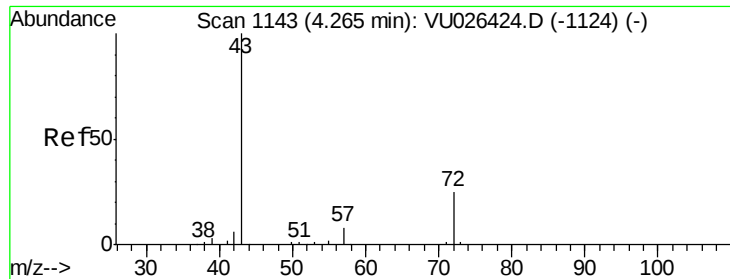
61 132.2 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 429.128 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

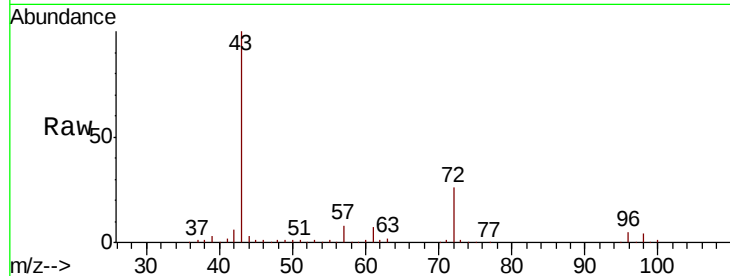
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 399631

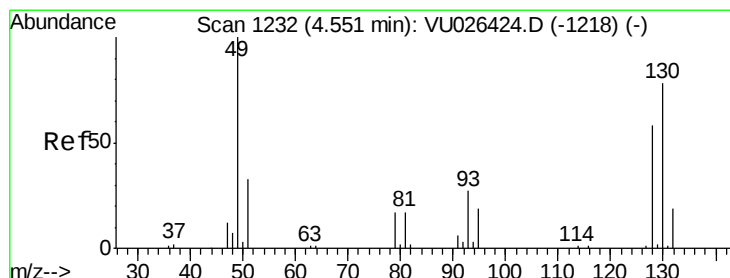
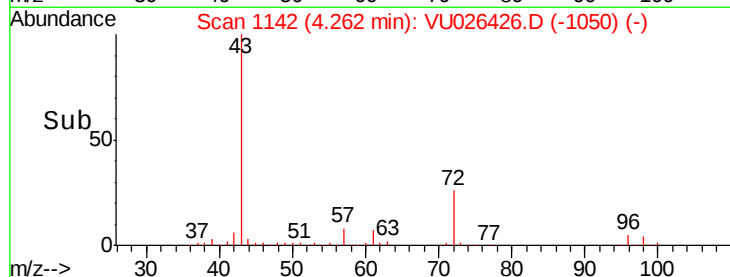
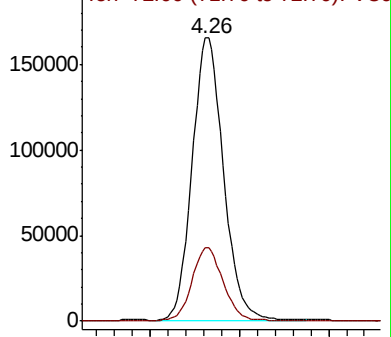
Ion Ratio Lower Upper

43 100

72 26.2 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026426.D (-1050) (-)



#23

Bromochloromethane

Concen: 205.950 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Tgt Ion:128 Resp: 127690

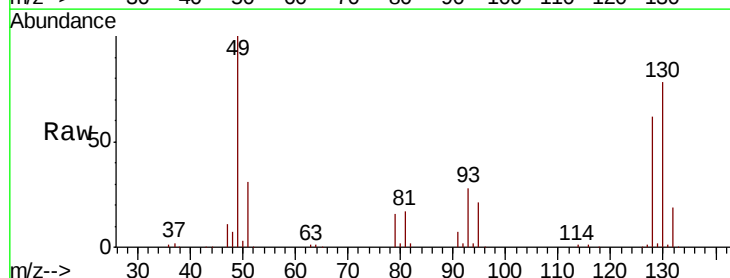
Ion Ratio Lower Upper

128 100

49 160.2 121.2 225.0

130 125.0 94.1 174.7

51 50.2 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026426.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026426.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026426.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026426.D (-1139) (-)

Ion 128.00 (127.70 to 128.70): VU026426.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026426.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026426.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026426.D (-1139) (-)

Ion 128.00 (127.70 to 128.70): VU026426.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026426.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026426.D (-1139) (-)

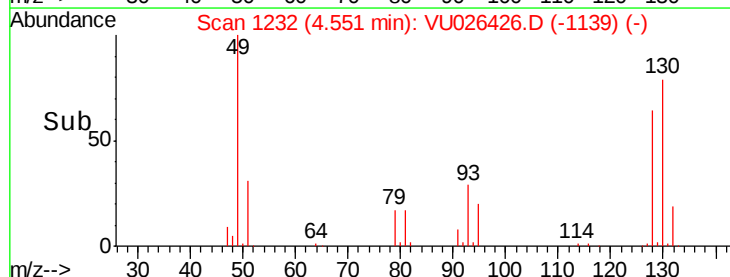
Ion 51.00 (50.70 to 51.70): VU026426.D (-1139) (-)

Ion 128.00 (127.70 to 128.70): VU026426.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026426.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026426.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026426.D (-1139) (-)



Abundance Ion 128.00 (127.70 to 128.70): VU026426.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026426.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026426.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026426.D (-1139) (-)

Ion 128.00 (127.70 to 128.70): VU026426.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026426.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026426.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026426.D (-1139) (-)

Ion 128.00 (127.70 to 128.70): VU026426.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026426.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026426.D (-1139) (-)

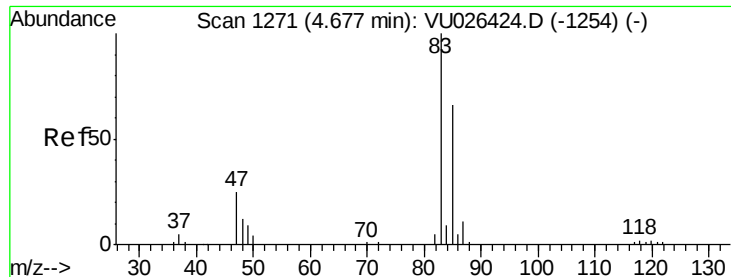
Ion 51.00 (50.70 to 51.70): VU026426.D (-1139) (-)

Ion 128.00 (127.70 to 128.70): VU026426.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026426.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026426.D (-1139) (-)

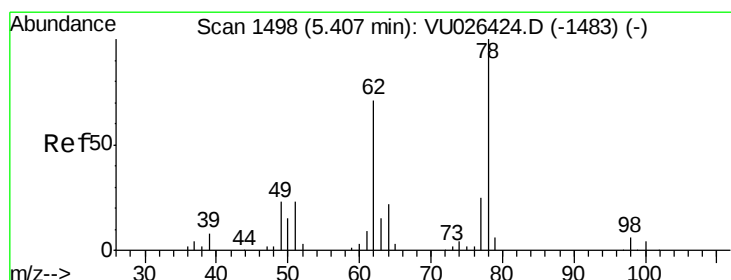
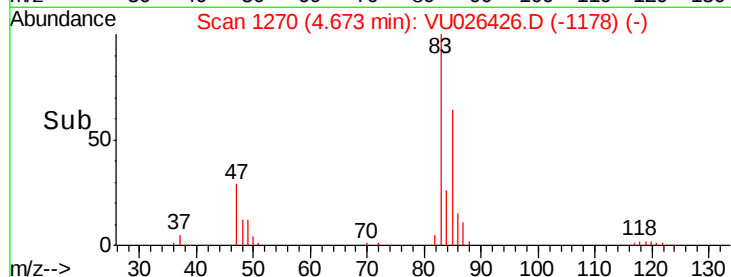
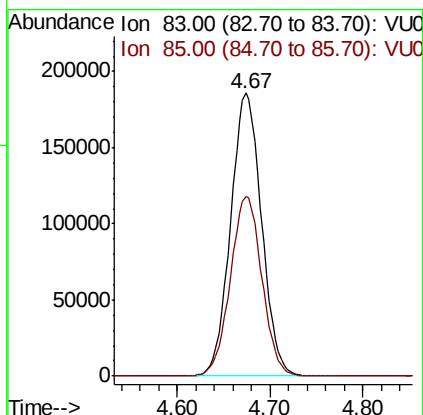
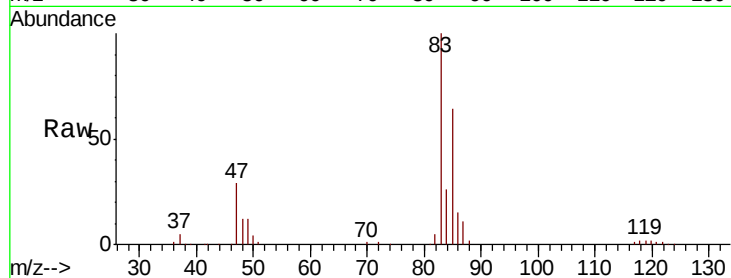
Ion 51.00 (50.70 to 51.70): VU026426.D (-1139) (-)



#25
Chloroform
Concen: 199.202 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026426.D
Acq: 29 Aug 2018 16:05

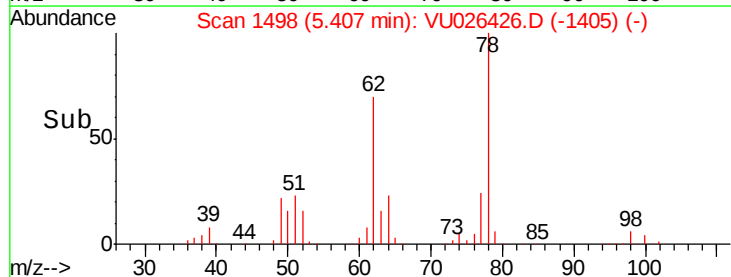
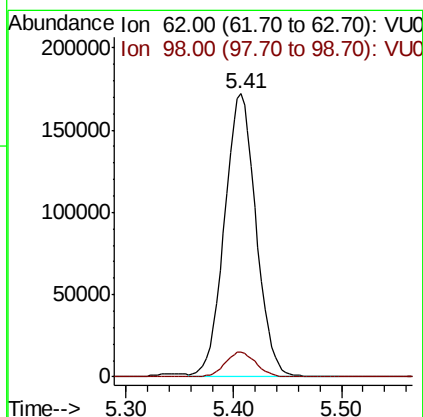
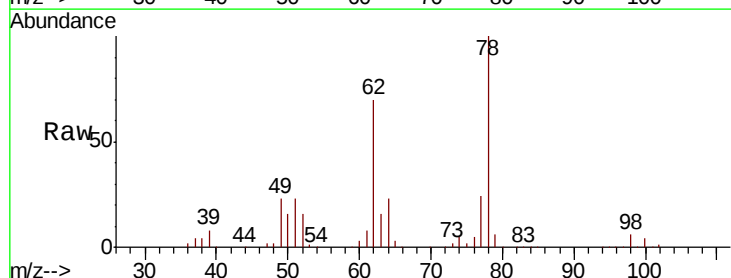
Instrument :
MSVOA_U
ClientSampleId :

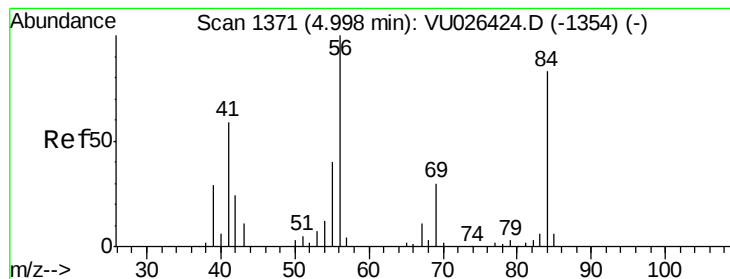
Tot Ion: 83 Resp: 429414
Ion Ratio Lower Upper
83 100
85 63.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 201.509 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026426.D
Acq: 29 Aug 2018 16:05

Tgt Ion: 62 Resp: 350339
Ion Ratio Lower Upper
62 100
98 9.0 6.8 10.2





#29

Cyclohexane

Concen: 217.532 ug/L

RT: 5.00 min Scan# 1370

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

ClientSampled :

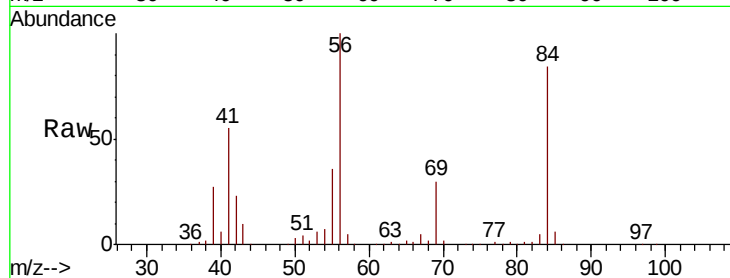
Tot Ion: 56 Resp: 395064

Ion Ratio Lower Upper

56 100

69 29.5 24.0 36.0

84 84.5 67.2 100.8

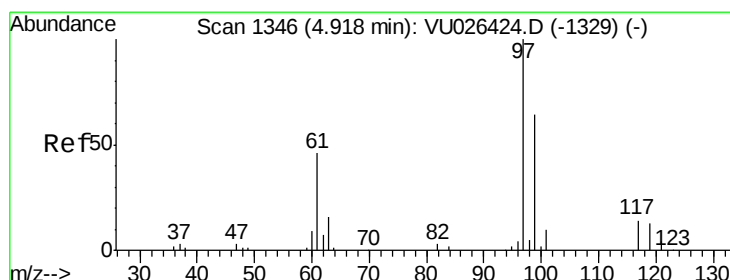
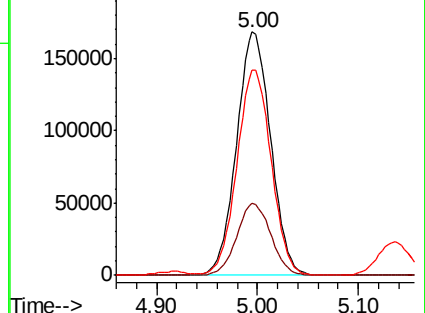
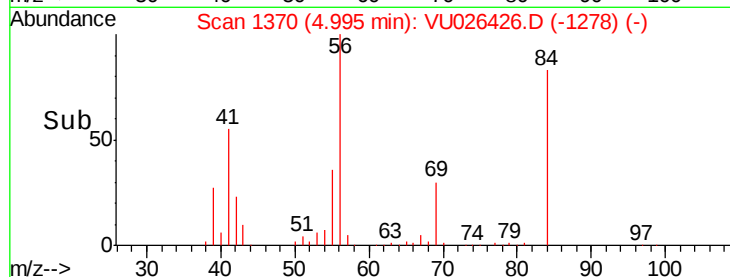


Abundance Ion 56.00 (55.70 to 56.70): VU026426.D (-1354) (-)

Ion 69.00 (68.70 to 69.70): VU026426.D (-1354) (-)

Ion 84.00 (83.70 to 84.70): VU026426.D (-1354) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 196.722 ug/L

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

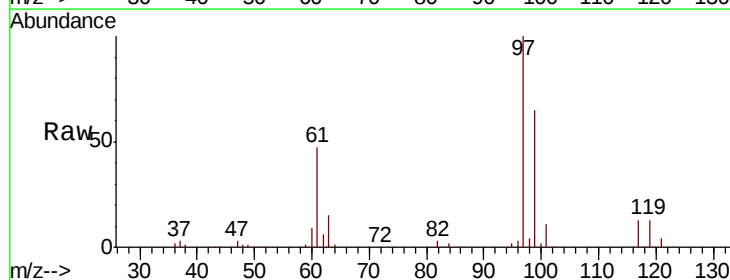
Tgt Ion: 97 Resp: 360840

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 46.2 37.9 56.9

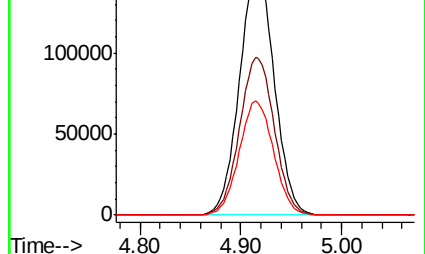
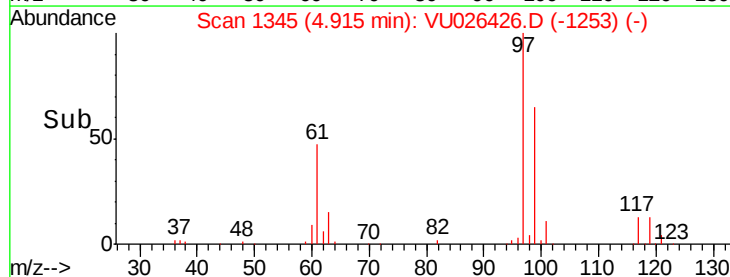


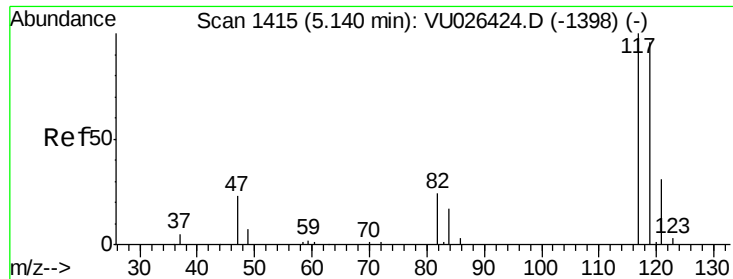
Abundance Ion 97.00 (96.70 to 97.70): VU026426.D (-1329) (-)

Ion 99.00 (98.70 to 99.70): VU026426.D (-1329) (-)

Ion 61.05 (60.75 to 61.75): VU026426.D (-1329) (-)

Time-->





#31

Carbon tetrachloride

Concen: 197.328 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

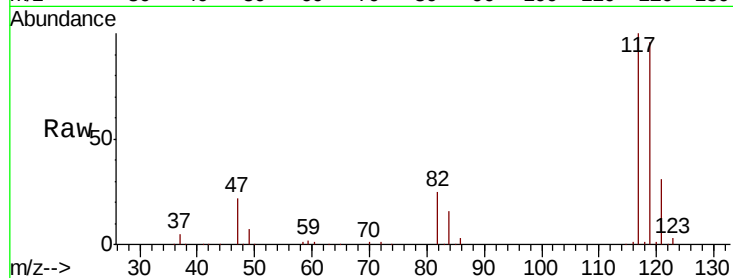
ClientSampleId :

Tot Ion:117 Resp: 328874

Ion Ratio Lower Upper

117 100

119 96.2 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

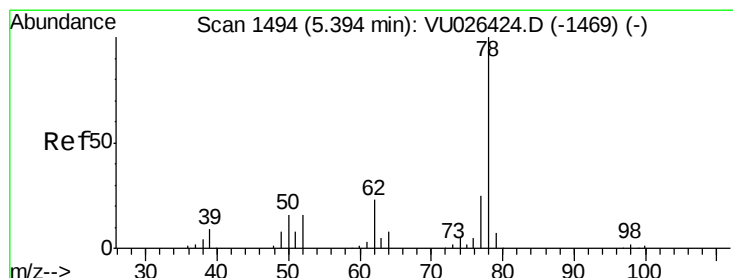
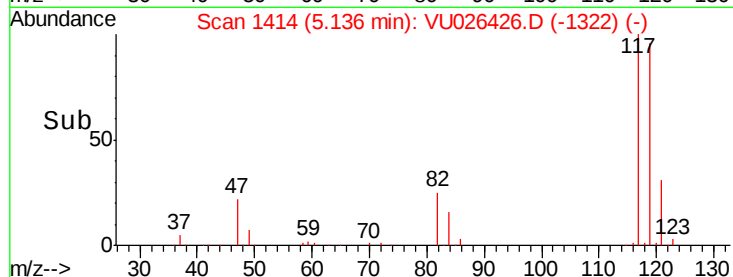
100000

50000

0

5.10 5.20

Time-->



#33

Benzene

Concen: 200.118 ug/L

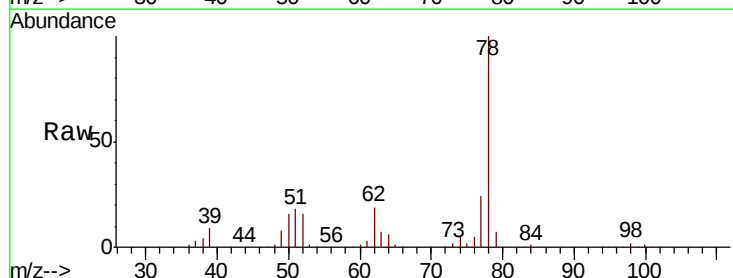
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Tgt Ion: 78 Resp: 956291



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

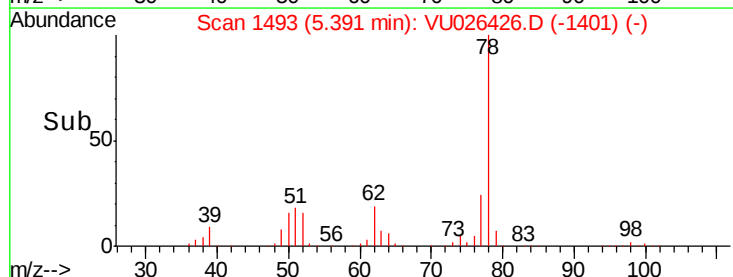
200000

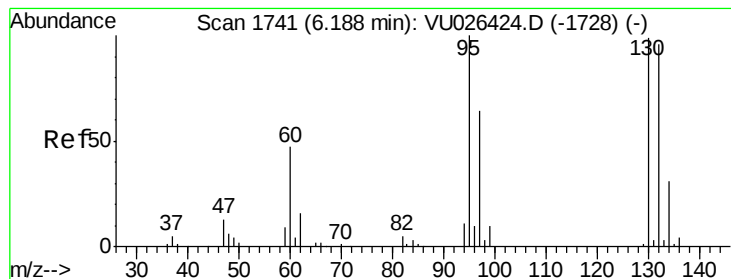
100000

0

5.20 5.30 5.40 5.50

Time-->





#34

Trichloroethene

Concen: 201.127 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 241076

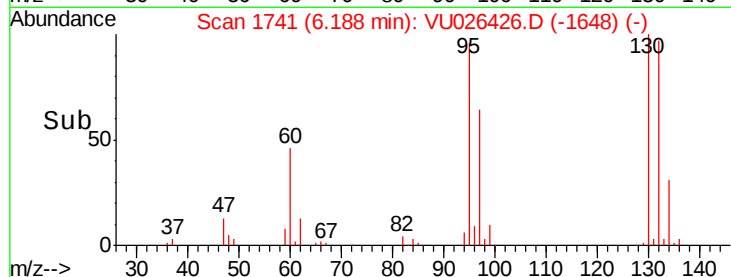
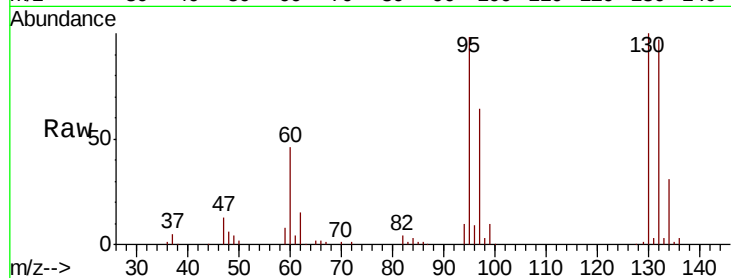
Ion Ratio Lower Upper

95 100

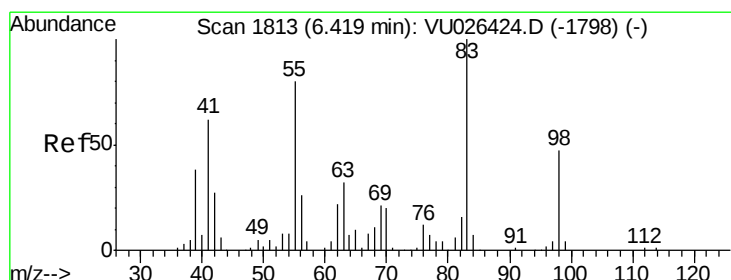
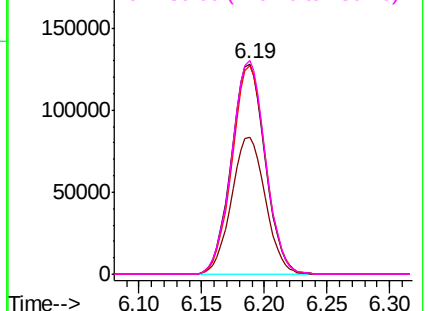
97 64.9 45.1 83.7

132 99.0 67.5 125.3

130 101.5 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: 219.191 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

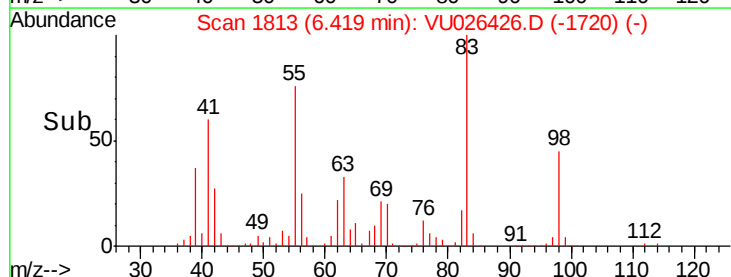
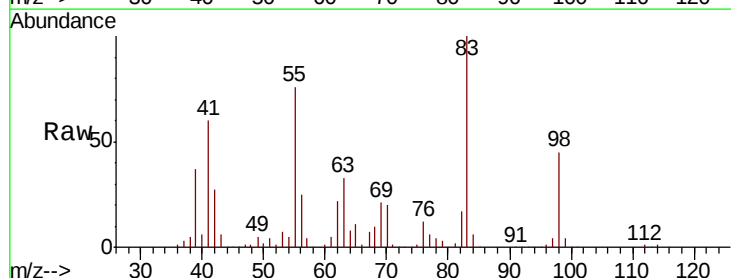
Tgt Ion: 83 Resp: 410244

Ion Ratio Lower Upper

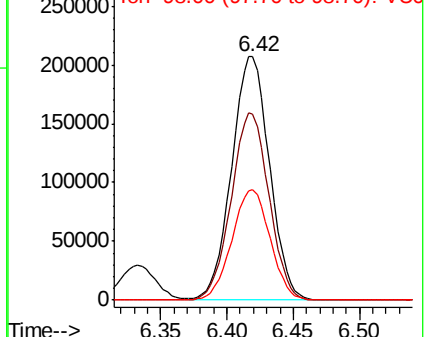
83 100

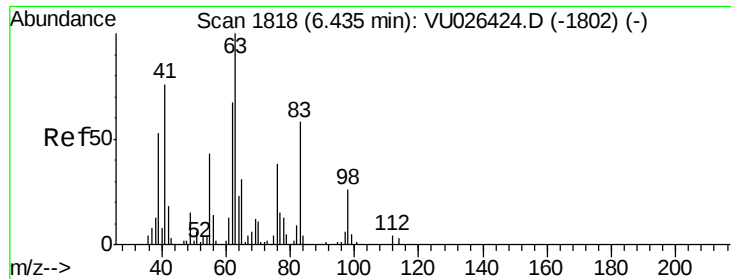
55 76.9 63.3 94.9

98 45.8 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

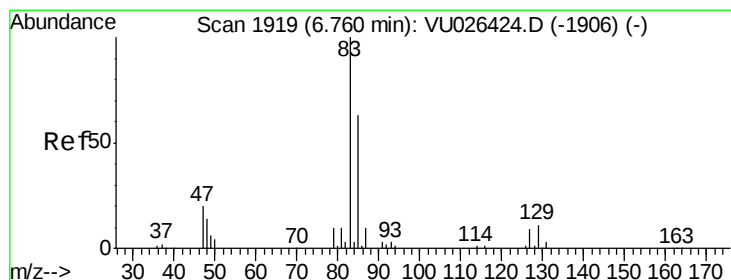
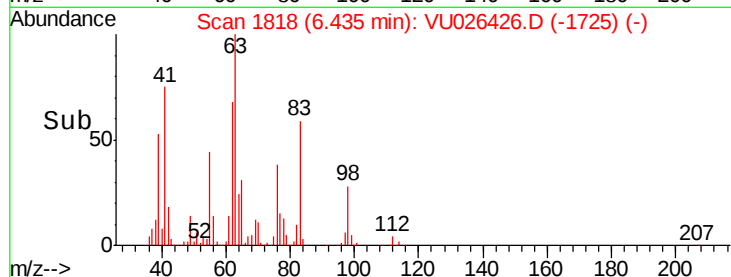
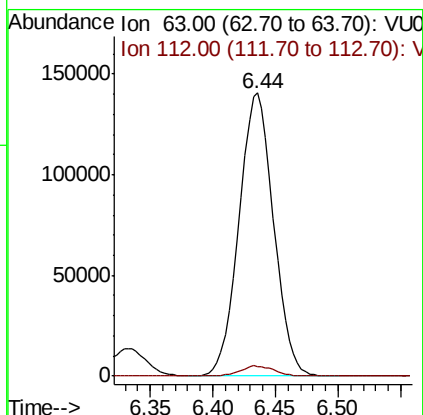
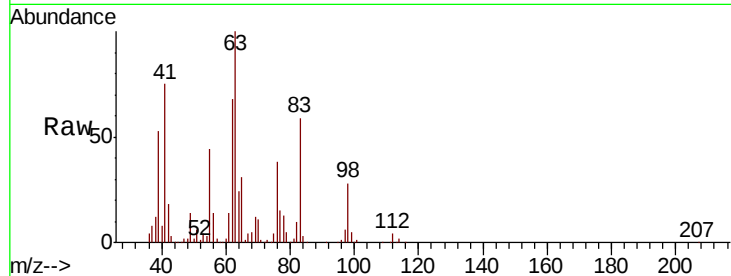




#37
 1,2-Dichloropropane
 Concen: 203.341 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

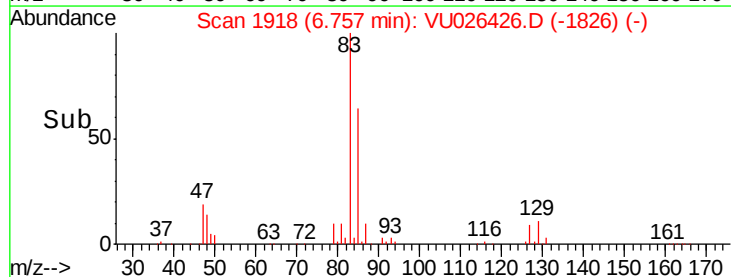
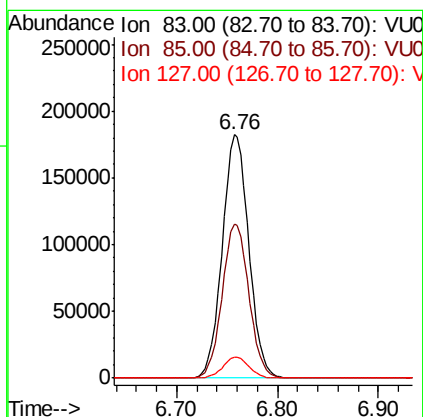
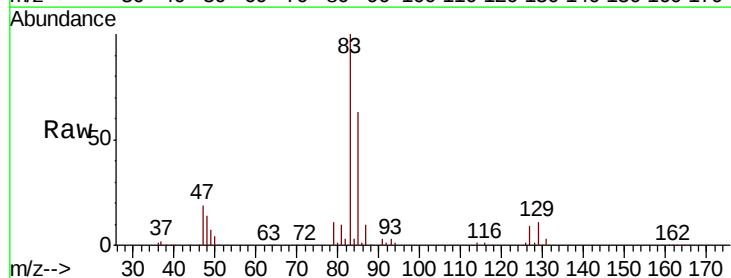
Instrument :
 MSVOA_U
 ClientSampleId :

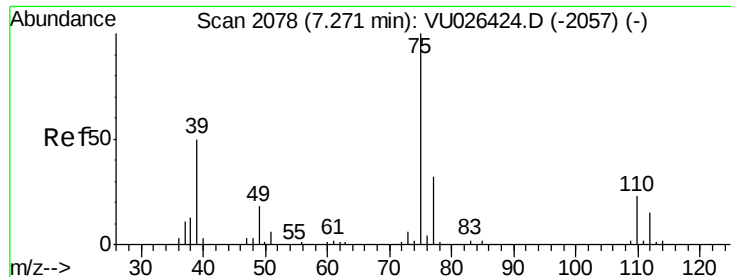
Tot Ion: 63 Resp: 269002
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 198.716 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

Tgt Ion: 83 Resp: 335235
 Ion Ratio Lower Upper
 83 100
 85 63.5 43.9 81.5
 127 8.7 7.0 10.6

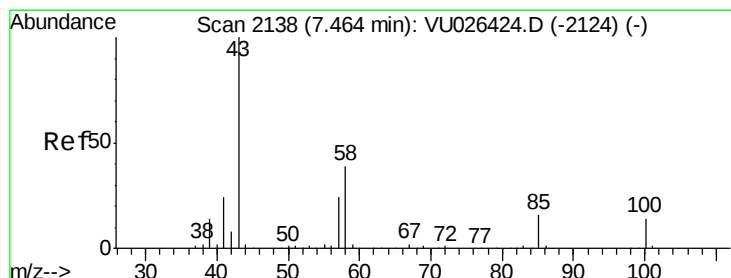
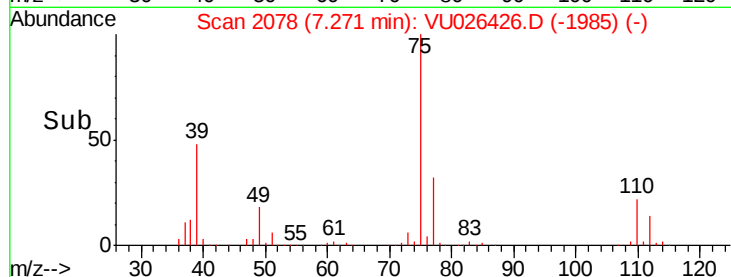
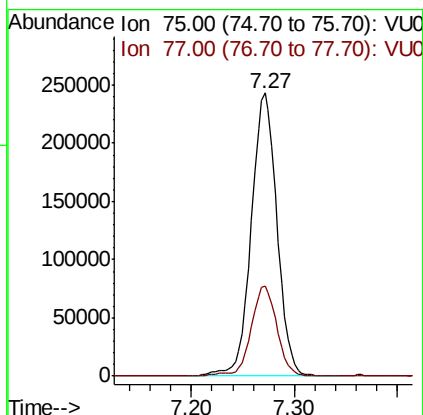
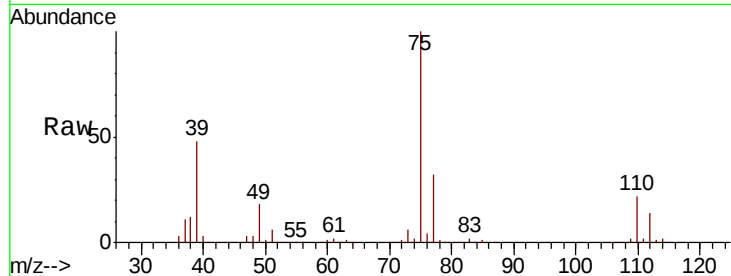




#39
 cis-1,3-Dichloropropene
 Concen: 222.239 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

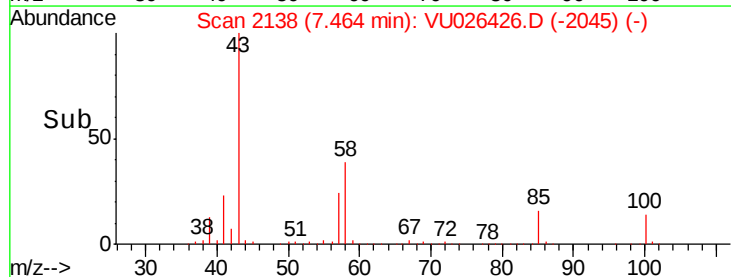
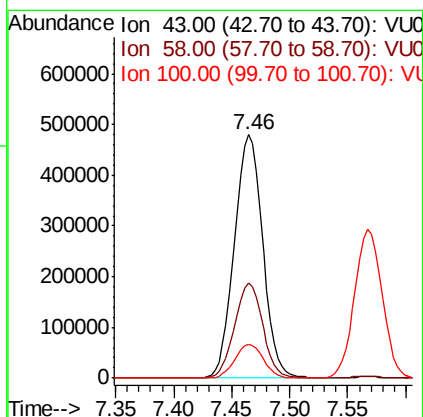
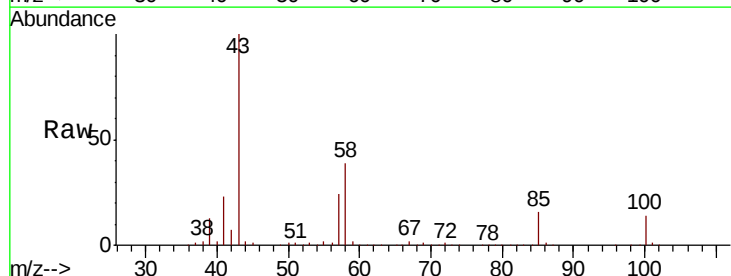
Instrument :
 MSVOA_U
 ClientSampled :

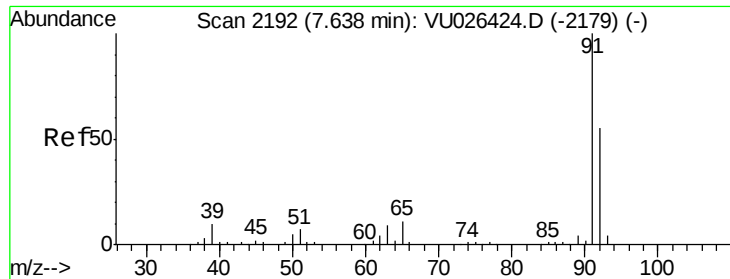
Tot Ion: 75 Resp: 418920
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 454.918 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

Tgt Ion: 43 Resp: 811623
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.4 45.6
 100 14.0 11.0 16.4





#42

Toluene

Concen: 210.612 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

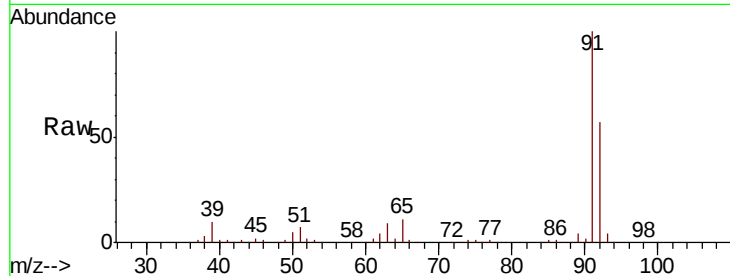
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1050169

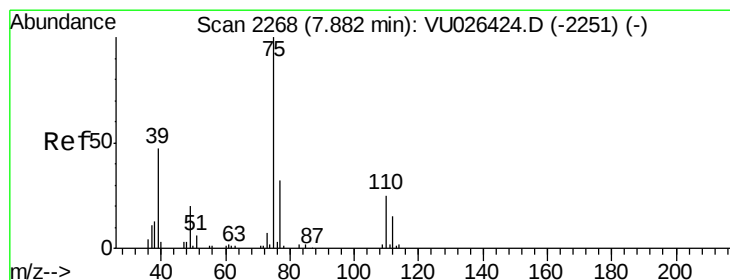
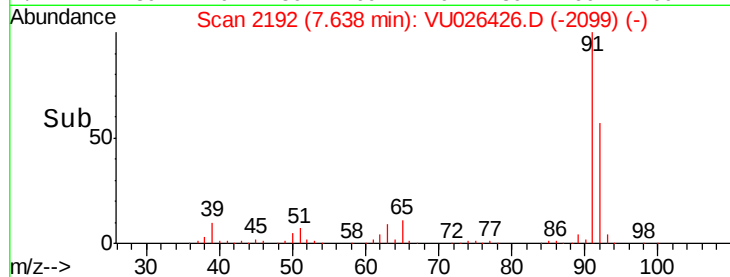
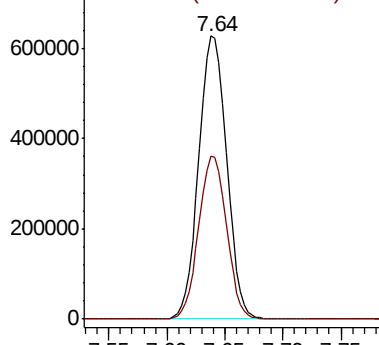
Ion Ratio Lower Upper

91 100

92 57.5 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: 222.654 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026426.D

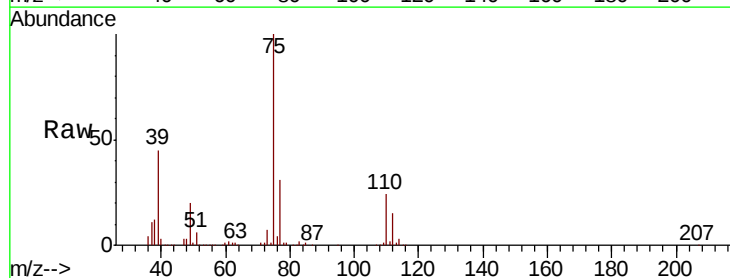
Acq: 29 Aug 2018 16:05

Tgt Ion: 75 Resp: 400032

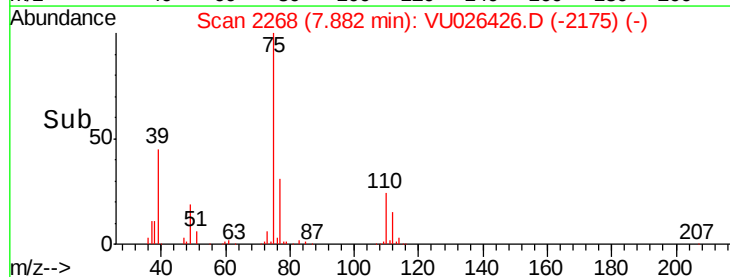
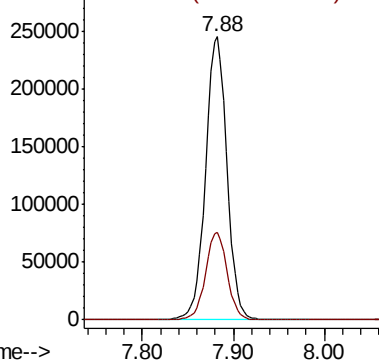
Ion Ratio Lower Upper

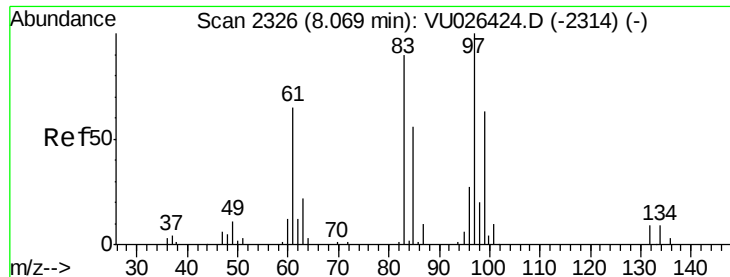
75 100

77 31.2 22.1 41.1



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

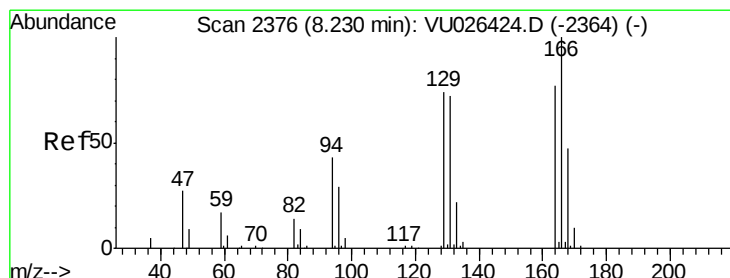
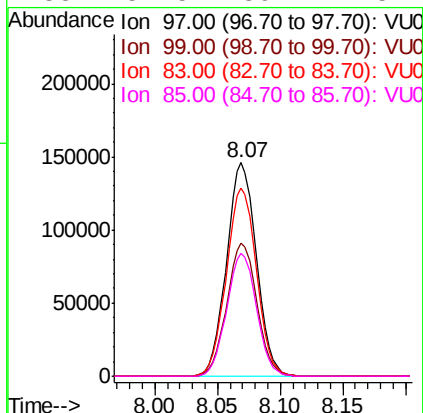
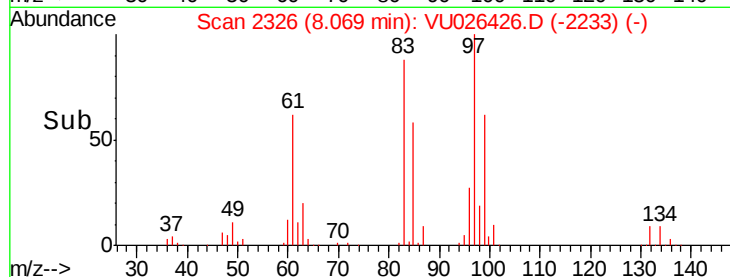
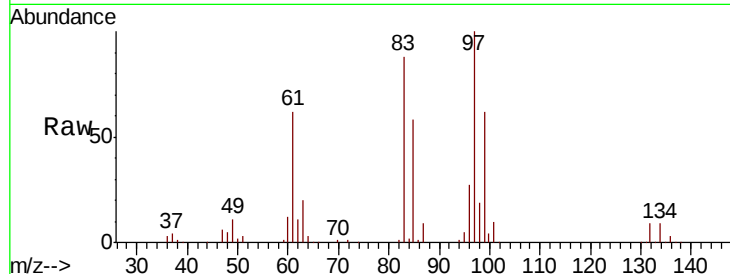




#45
 1,1,2-Trichloroethane
 Concen: 198.736 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

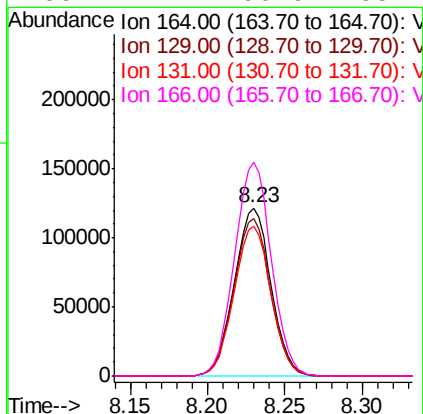
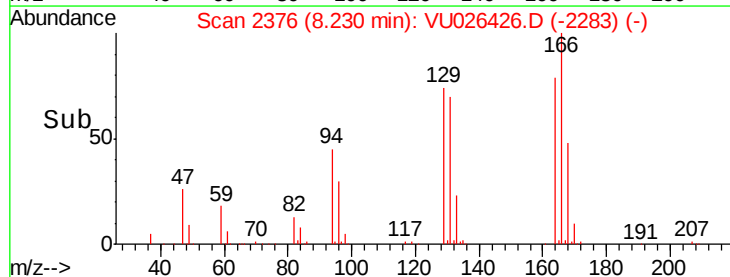
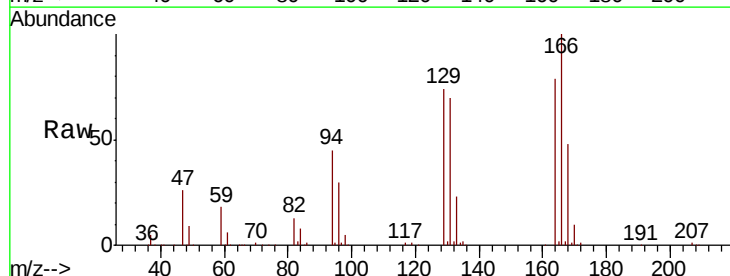
Instrument :
 MSVOA_U
 ClientSampleId :

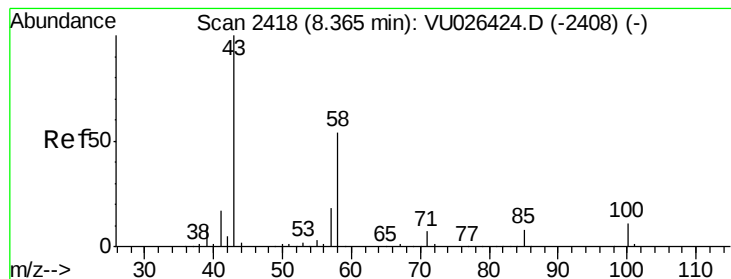
Tot Ion:	97	Resp:	240851
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.9	81.5
83	88.4	62.7	116.5
85	57.5	39.4	73.2



#46
 Tetrachloroethene
 Concen: 203.645 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

Tgt Ion:	164	Resp:	199567
Ion	Ratio	Lower	Upper
164	100		
129	93.8	67.3	125.1
131	88.9	65.3	121.3
166	127.1	90.9	168.7





#48

2-Hexanone

Concen: 467.433 ug/L

RT: 8.37 min Scan# 2419

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 656806

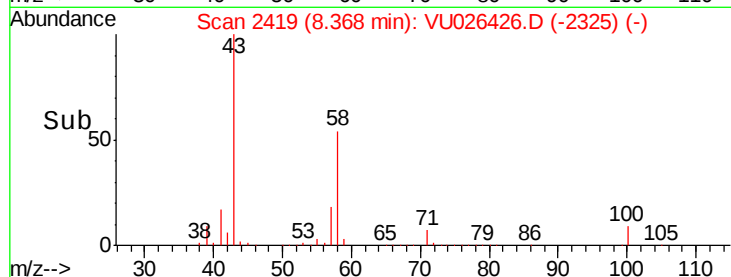
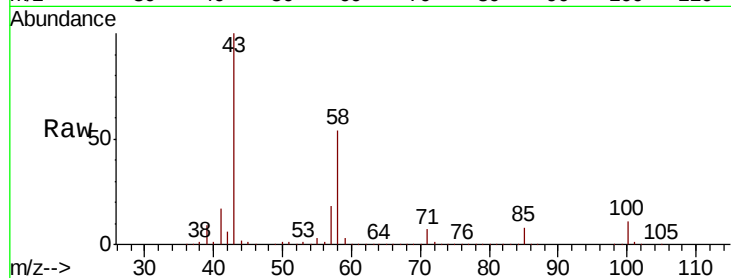
Ion Ratio Lower Upper

43 100

58 53.8 42.2 63.4

57 18.6 14.6 21.8

100 10.6 8.3 12.5

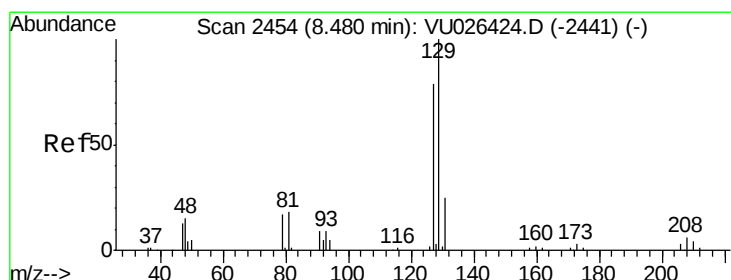
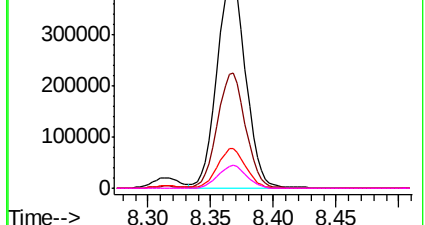


Abundance Ion 43.00 (42.70 to 43.70): VU026426.D (-2325) (-)

Ion 58.00 (57.70 to 58.70): VU026426.D (-2325) (-)

Ion 57.00 (56.70 to 57.70): VU026426.D (-2325) (-)

Ion 100.00 (99.70 to 100.70): VU026426.D (-2325) (-)



#49

Dibromochloromethane

Concen: 211.794 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU026426.D

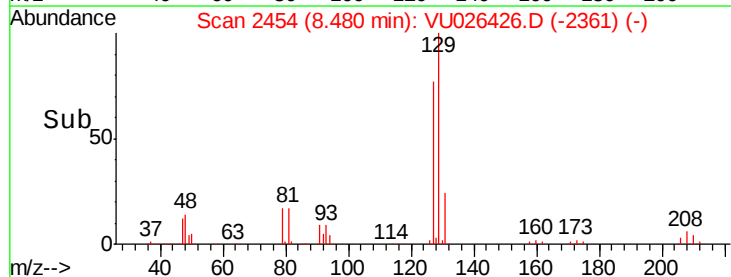
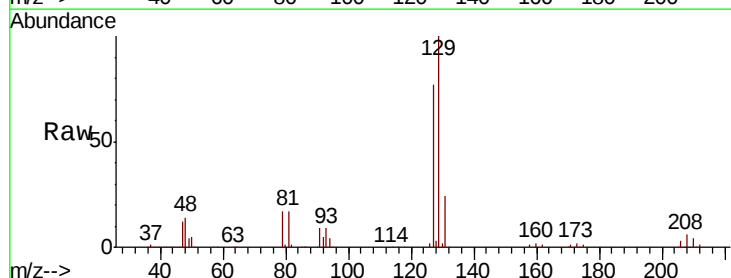
Acq: 29 Aug 2018 16:05

Tgt Ion: 129 Resp: 289213

Ion Ratio Lower Upper

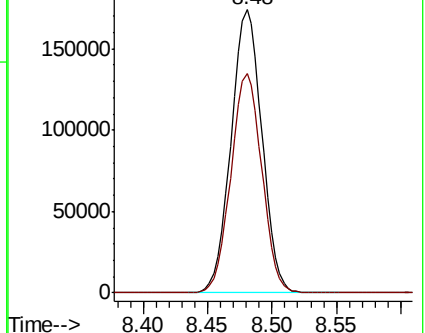
129 100

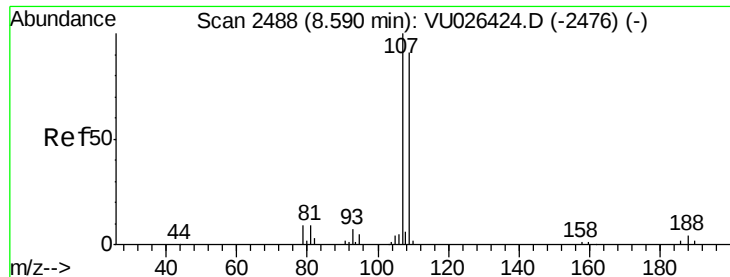
127 77.3 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): VU026426.D (-2361) (-)

Ion 127.00 (126.70 to 127.70): VU026426.D (-2361) (-)

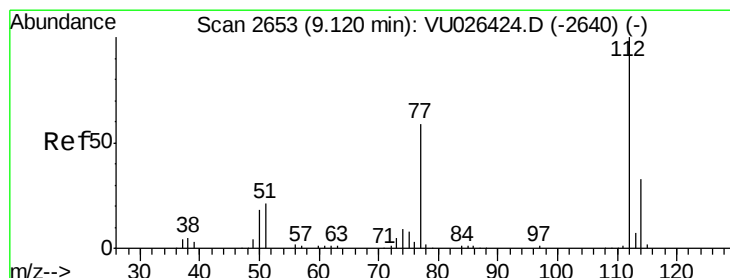
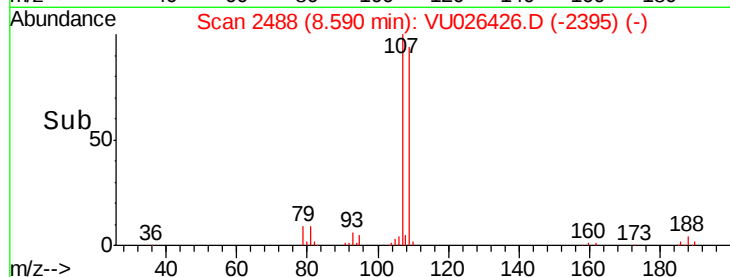
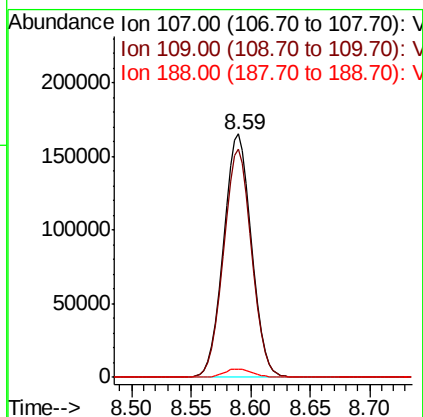
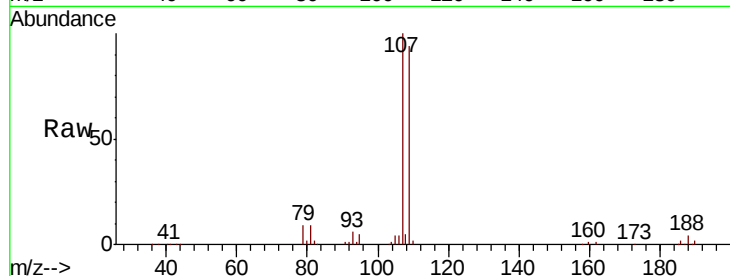




#50
1,2-Dibromoethane
Concen: 208.431 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU026426.D
Acq: 29 Aug 2018 16:05

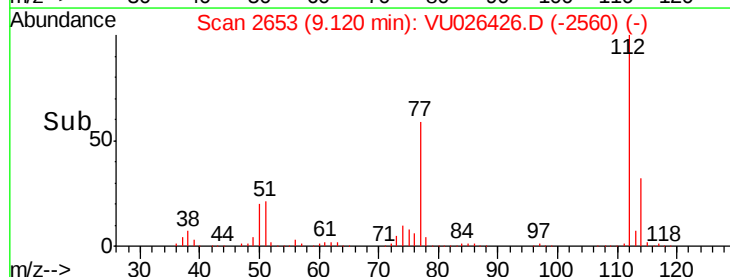
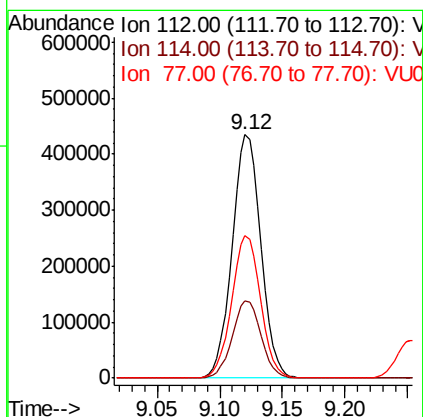
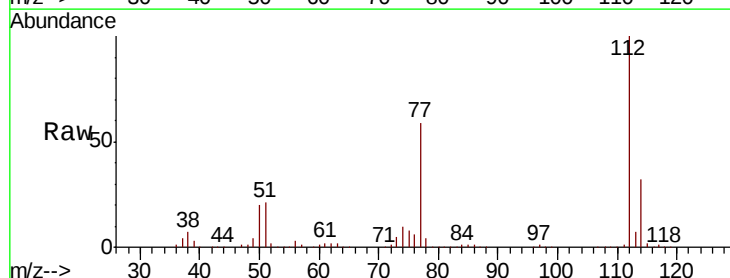
Instrument :
MSVOA_U
ClientSampleId :

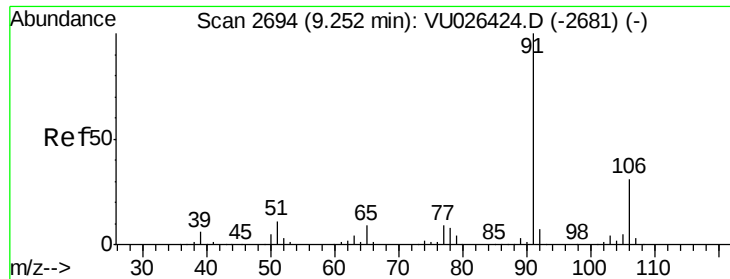
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	63.4	117.8
188	3.6	3.2	4.8



#51
Chlorobenzene
Concen: 207.260 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026426.D
Acq: 29 Aug 2018 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.2	43.2
77	58.6	47.3	70.9





#52

Ethylbenzene

Concen: 222.702 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

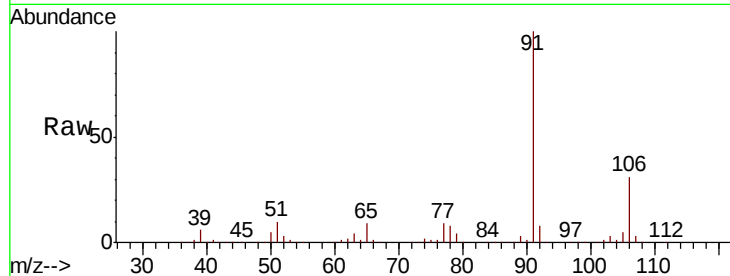
ClientSampleId :

Tot Ion: 91 Resp: 1207741

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026426.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU026426.D (-2681) (-)

9.25

800000

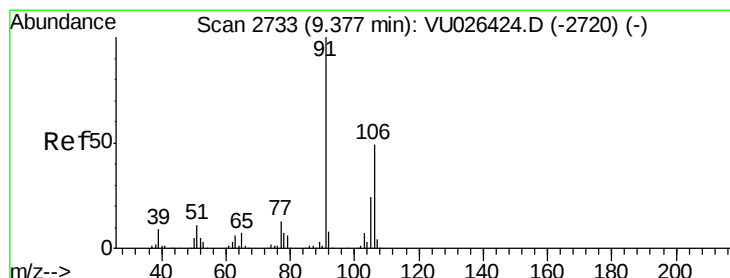
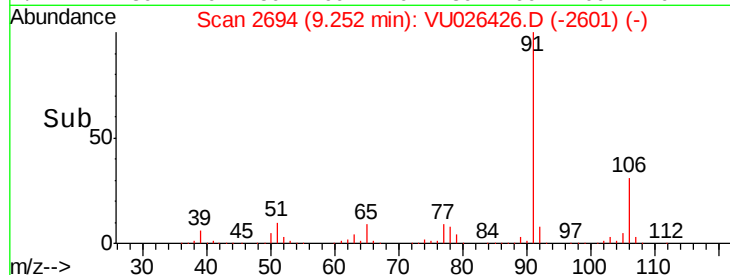
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 226.481 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026426.D

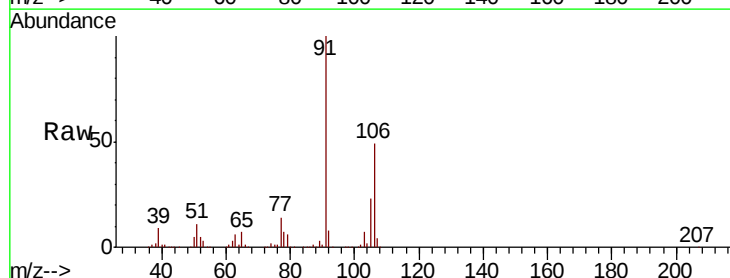
Acq: 29 Aug 2018 16:05

Tgt Ion:106 Resp: 458610

Ion Ratio Lower Upper

106 100

91 202.7 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026426.D (-2733) (-)

Ion 91.00 (90.70 to 91.70): VU026426.D (-2733) (-)

9.38

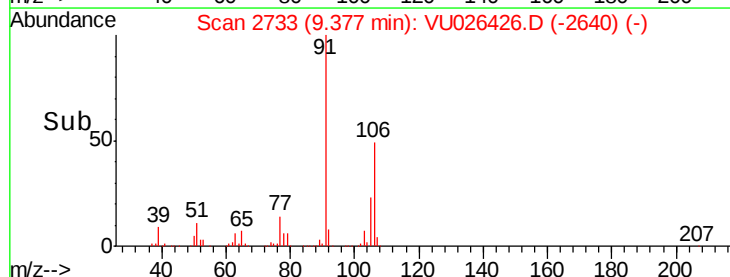
600000

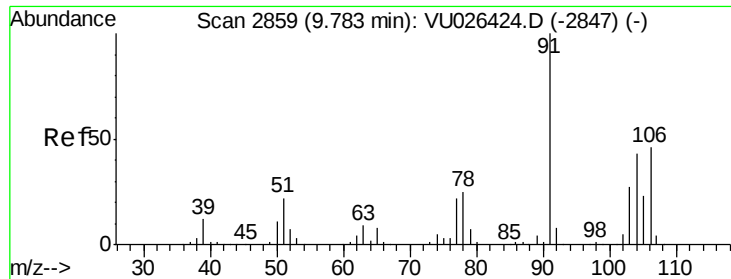
400000

200000

0

Time-->





#54

o-xylene

Concen: 233.244 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

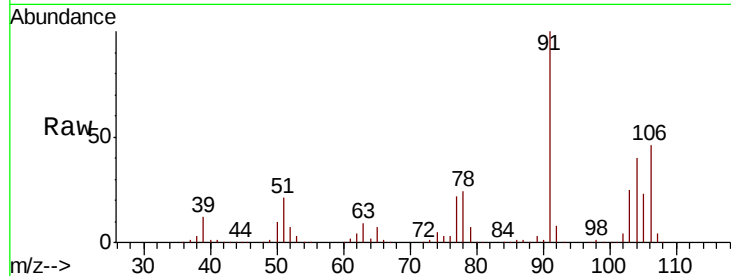
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 460586

Ion Ratio Lower Upper

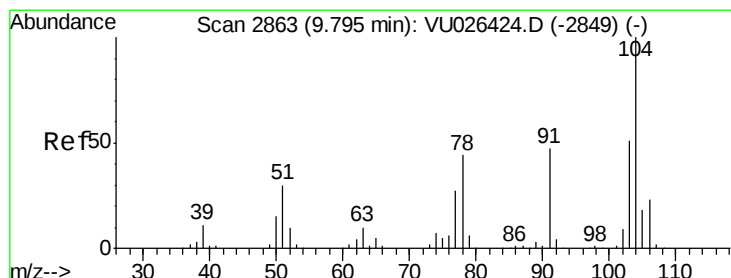
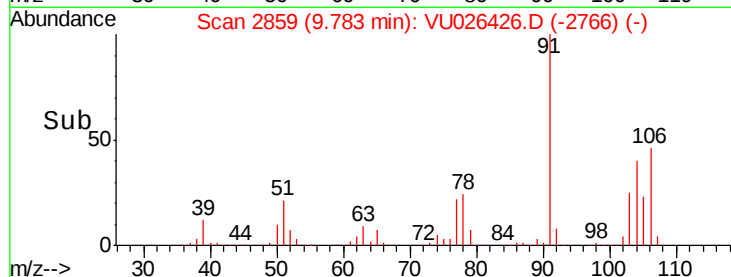
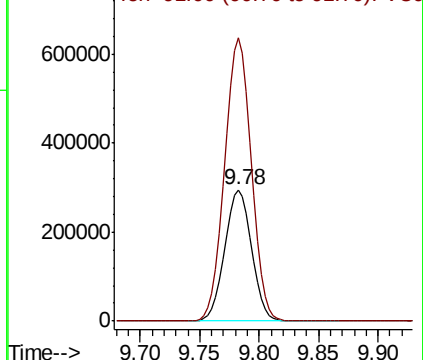
106 100

91 215.8 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 239.998 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026426.D

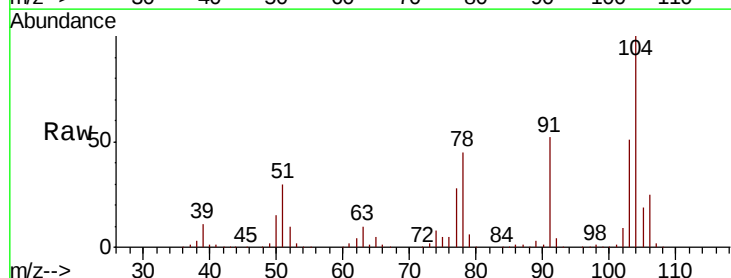
Acq: 29 Aug 2018 16:05

Tgt Ion:104 Resp: 827901

Ion Ratio Lower Upper

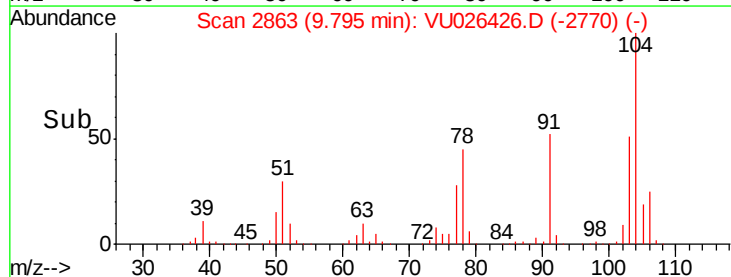
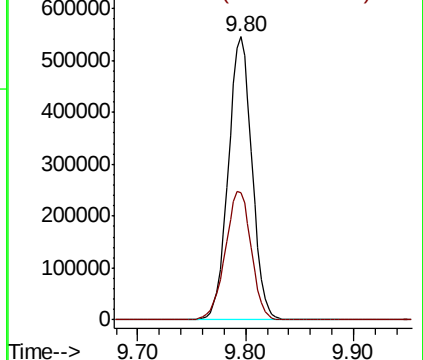
104 100

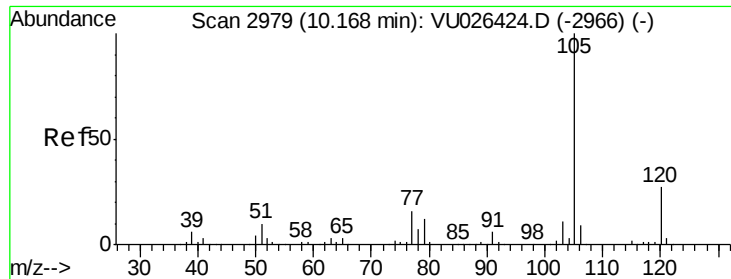
78 45.2 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 234.318 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

ClientSampleId :

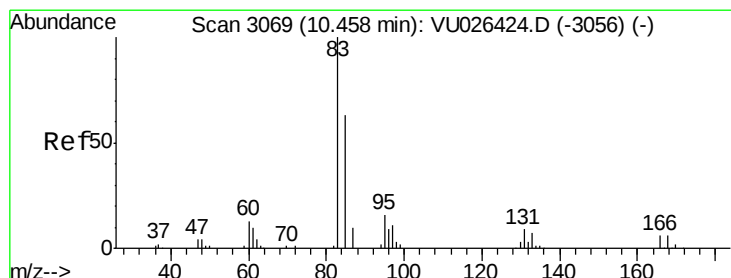
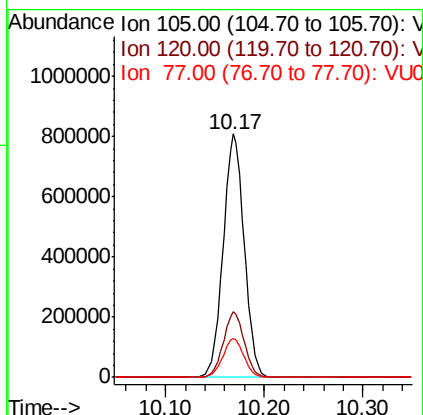
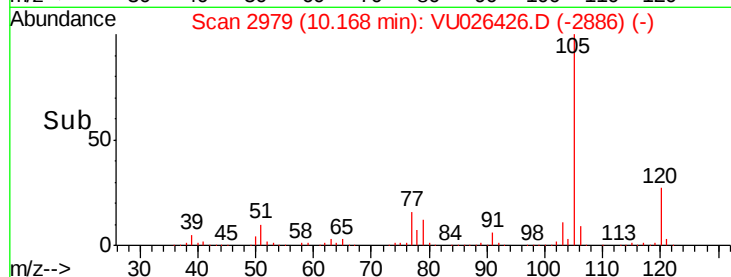
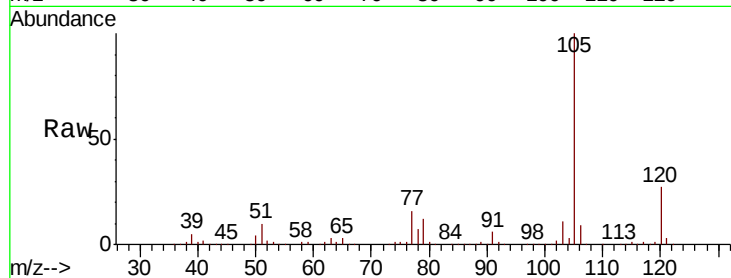
Tot Ion:105 Resp: 1211207

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

77 16.0 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 216.993 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

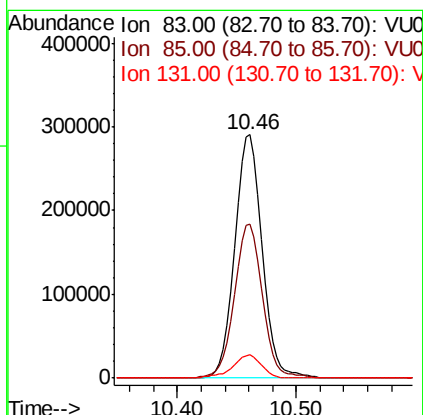
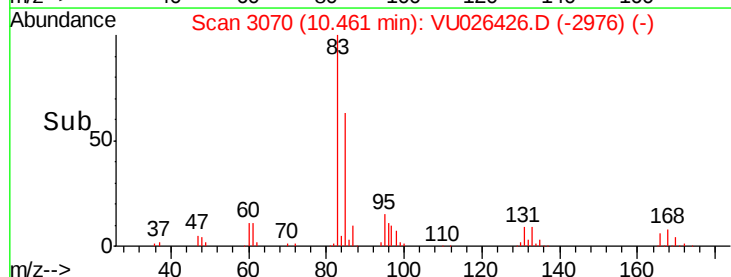
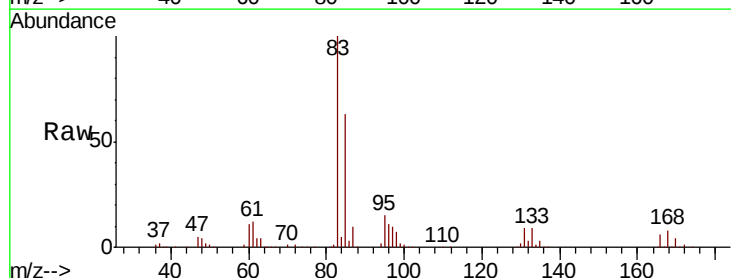
Tgt Ion: 83 Resp: 463231

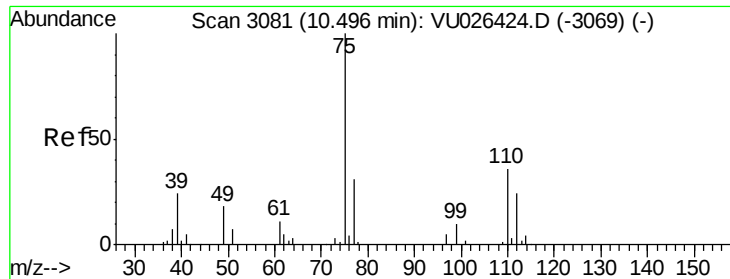
Ion Ratio Lower Upper

83 100

85 63.5 44.3 82.3

131 9.4 7.8 11.8

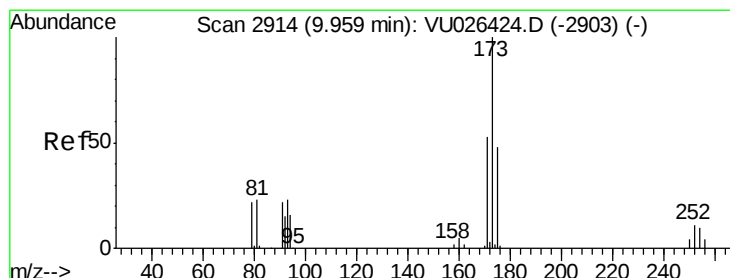
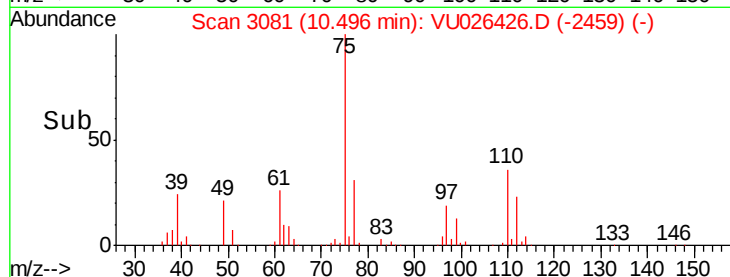
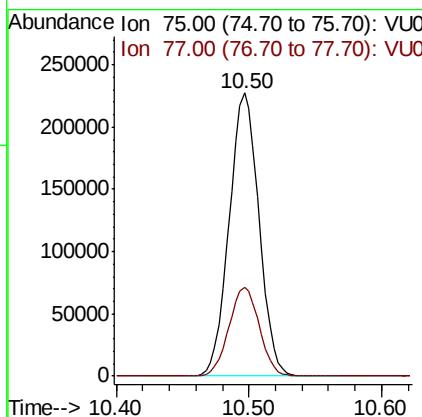
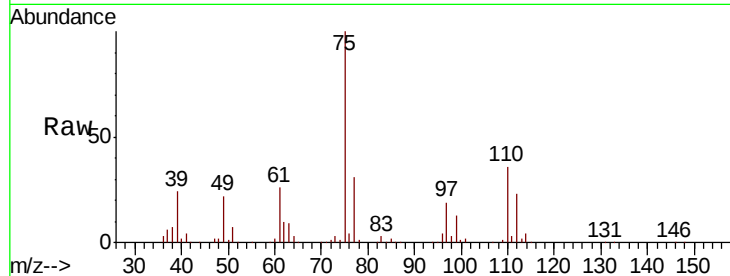




#59
 1,2,3-Trichloropropane
 Concen: 214.859 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

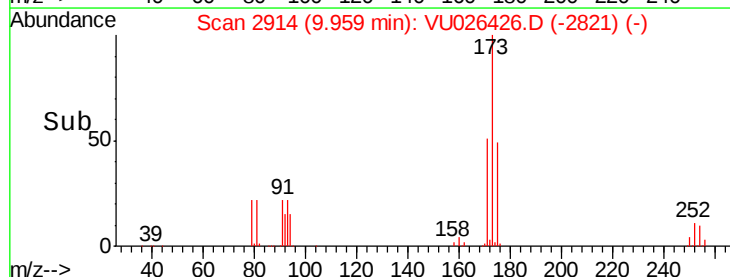
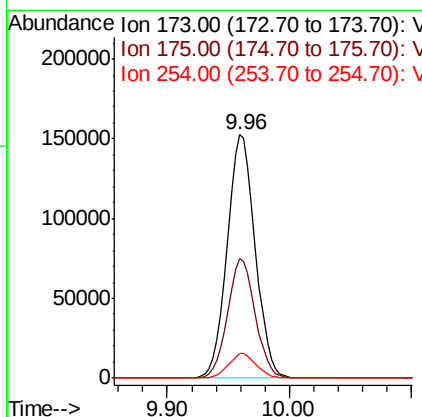
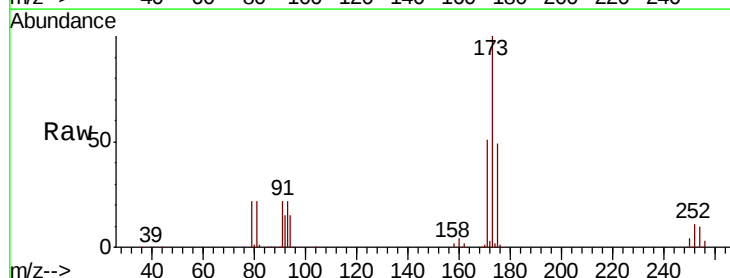
Instrument :
 MSVOA_U
 ClientSampleId :

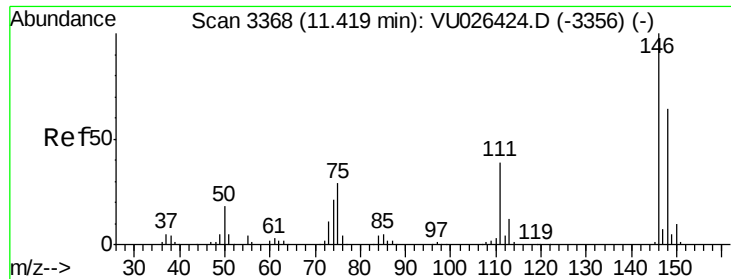
Tot Ion: 75 Resp: 354670
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.6



#61
 Bromoform
 Concen: 206.719 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

Tgt Ion: 173 Resp: 244814
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.5 57.7
 254 10.0 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 206.530 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

Instrument :

MSVOA_U

ClientSampled :

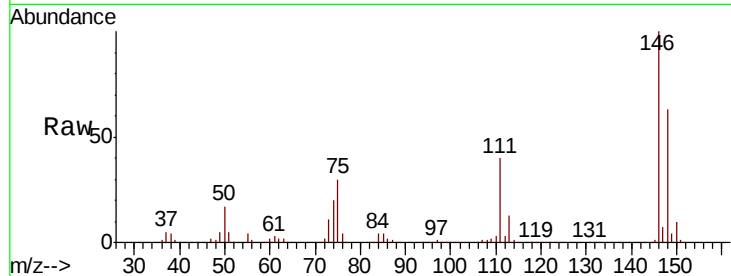
Tot Ion:146 Resp: 579903

Ion Ratio Lower Upper

146 100

111 39.5 27.5 51.1

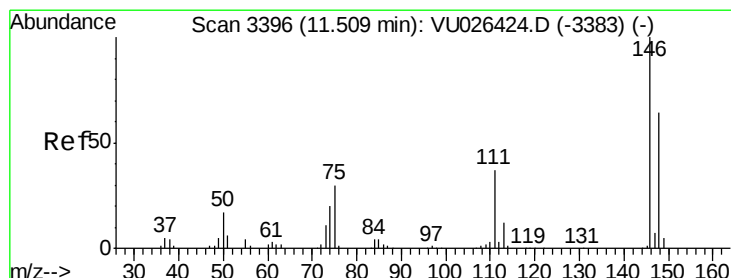
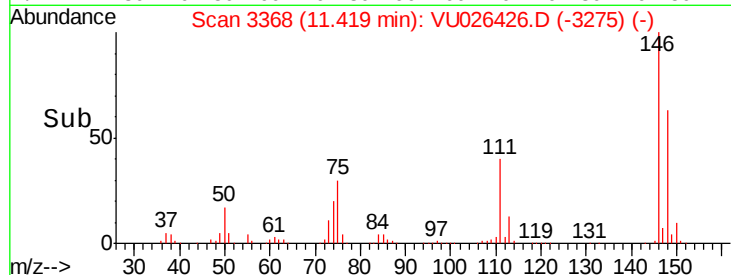
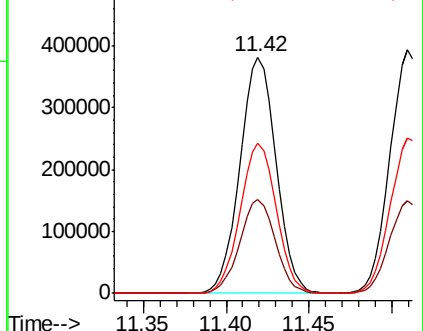
148 63.3 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 201.125 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026426.D

Acq: 29 Aug 2018 16:05

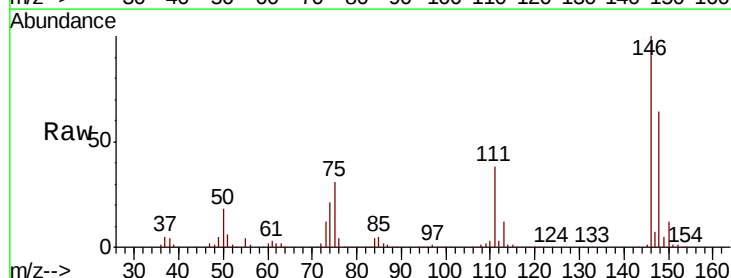
Tgt Ion:146 Resp: 597307

Ion Ratio Lower Upper

146 100

111 37.9 26.2 48.6

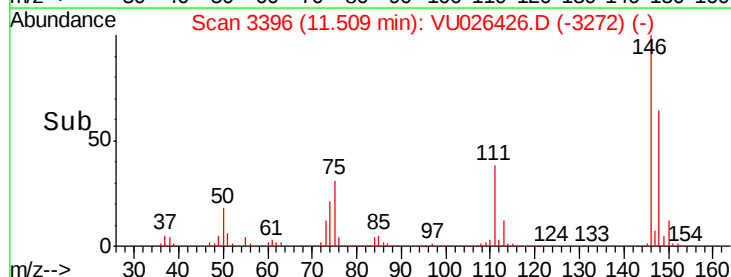
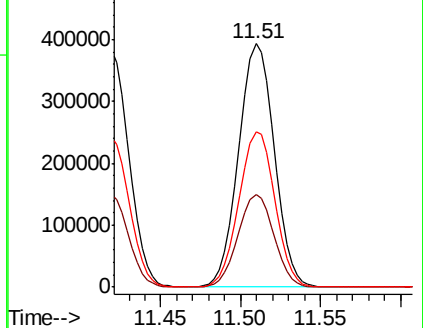
148 63.8 44.9 83.5

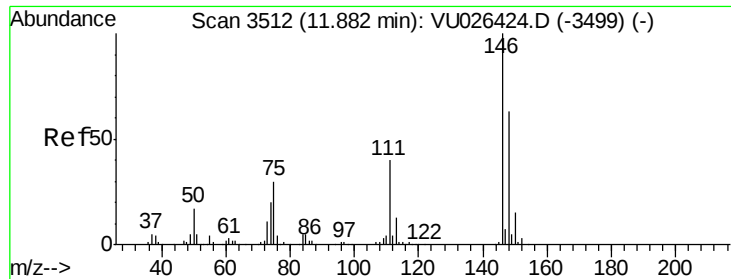


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

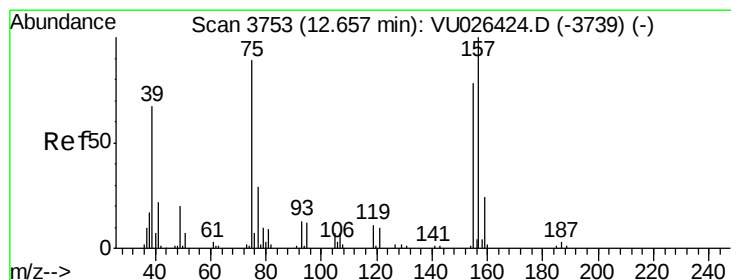
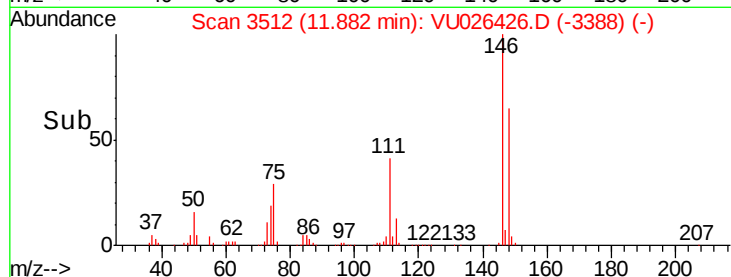
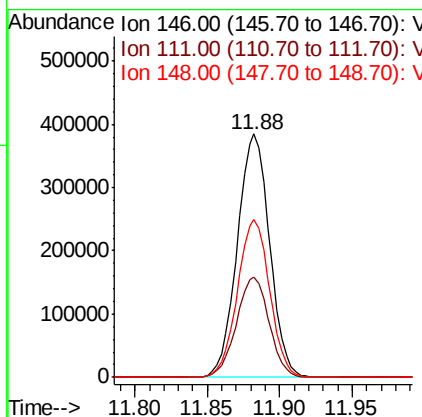
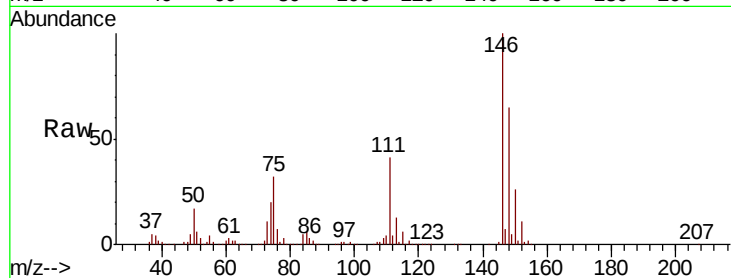




#65
 1,2-Dichlorobenzene
 Concen: 200.467 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

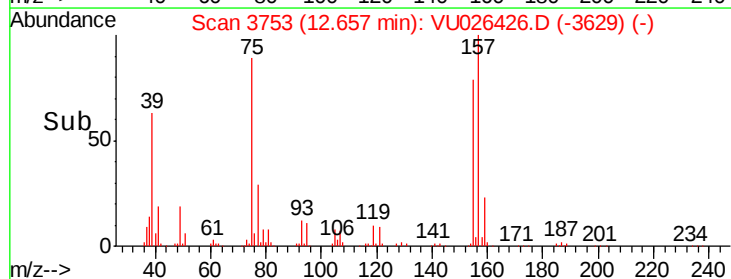
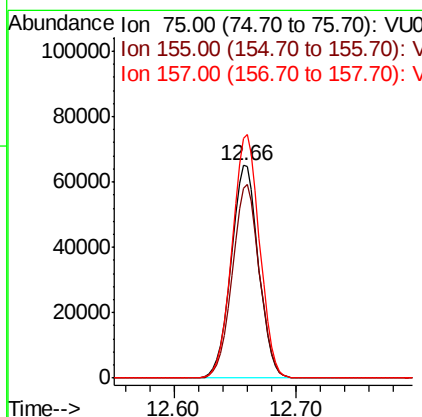
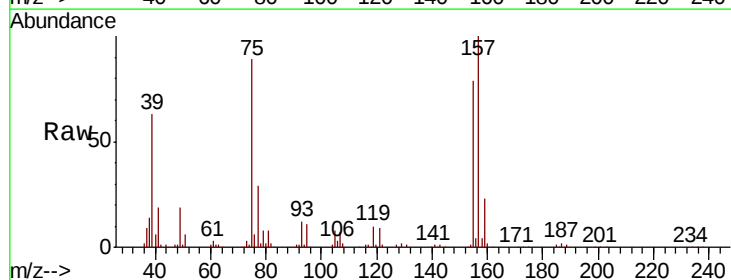
Instrument :
 MSVOA_U
 ClientSampleId :

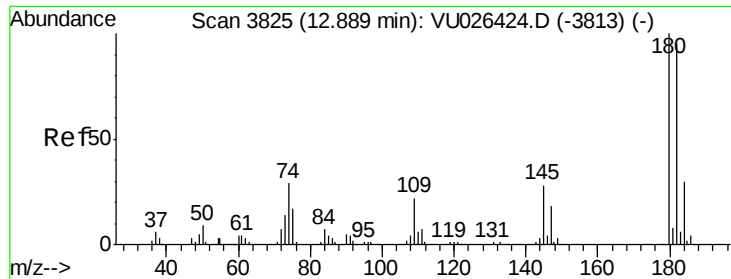
Tot Ion:146 Resp: 593698
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.0 48.0
 148 64.7 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 204.667 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

Tgt Ion: 75 Resp: 101921
 Ion Ratio Lower Upper
 75 100
 155 89.4 69.8 104.8
 157 112.8 89.8 134.8

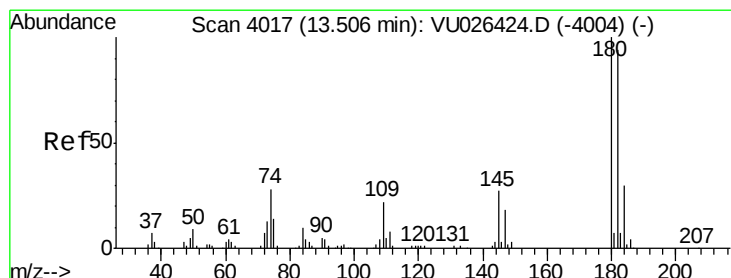
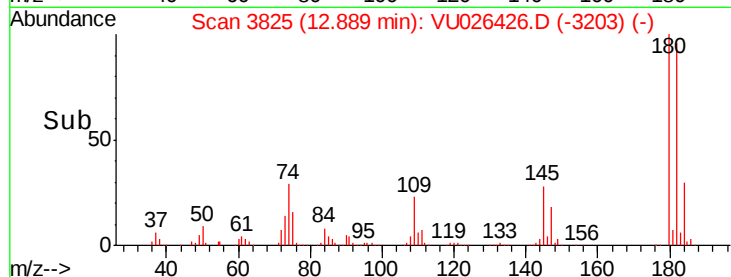
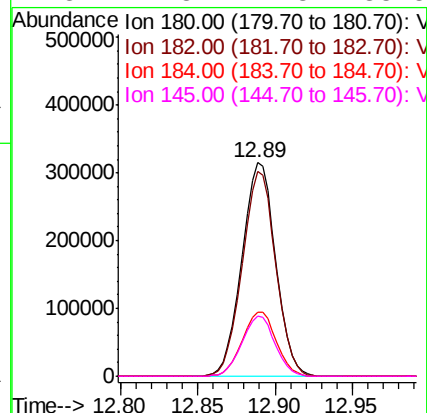
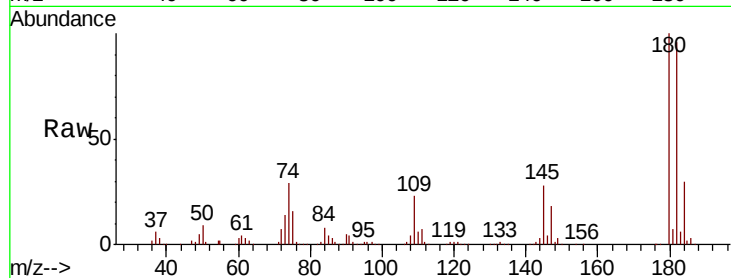




#67
 1,3,5-Trichlorobenzene
 Concen: 210.014 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

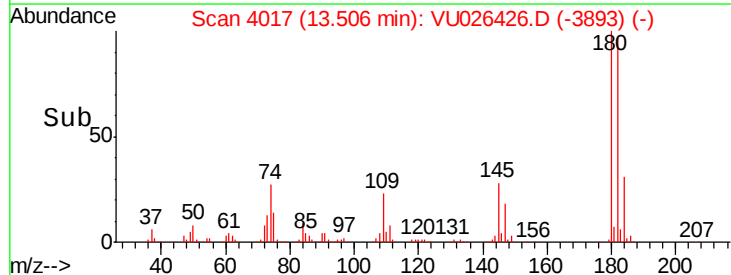
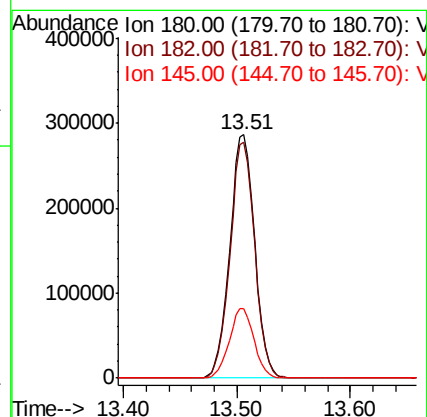
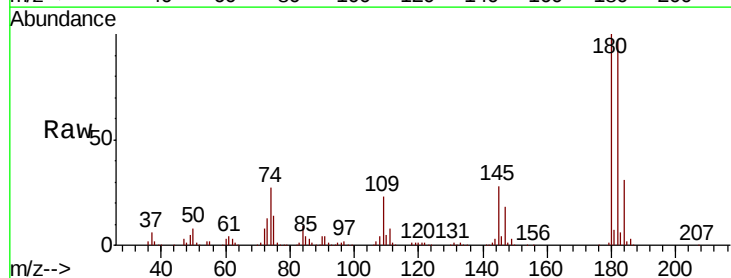
Instrument :
 MSVOA_U
 ClientSampleId :

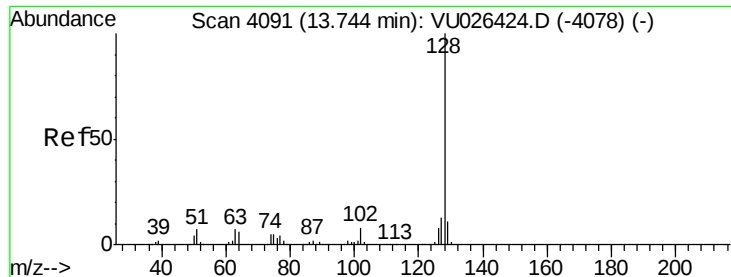
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	30.3	25.0	37.4
145	27.8	22.3	33.5



#68
 1,2,4-trichlorobenzene
 Concen: 221.062 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026426.D
 Acq: 29 Aug 2018 16:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	114.8
145	28.5	22.4	33.6

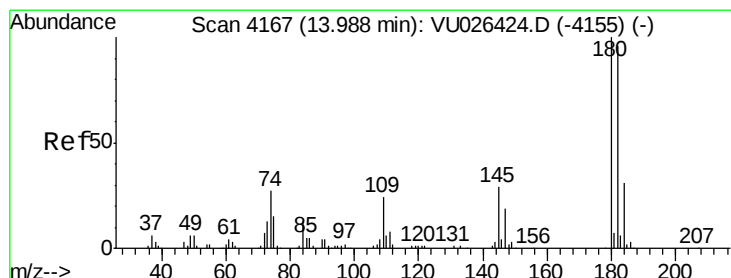
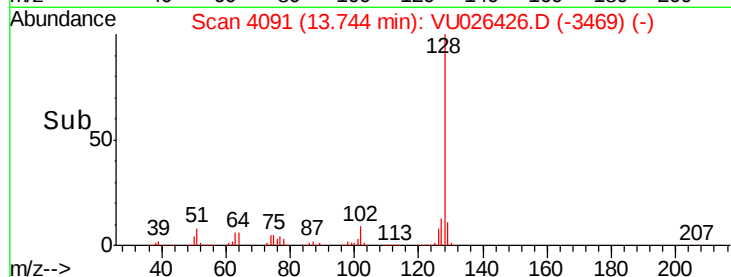
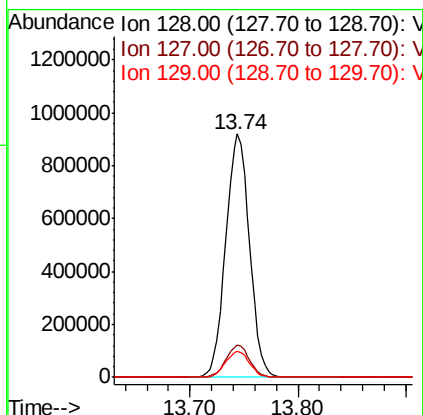
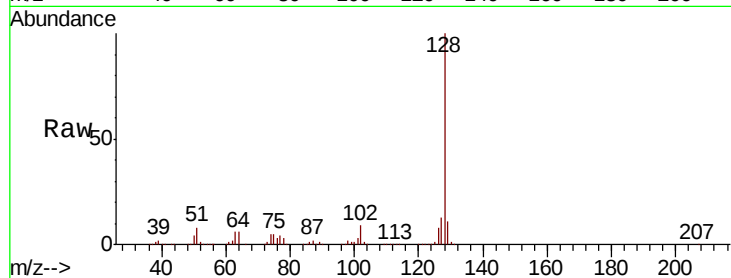




#69
Naphthalene
Concen: 228.723 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026426.D
Acq: 29 Aug 2018 16:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 1413390
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.7 8.5 12.7



#70
1,2,3-Trichlorobenzene
Concen: 206.876 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026426.D
Acq: 29 Aug 2018 16:05

Tgt Ion:180 Resp: 449580
Ion Ratio Lower Upper
180 100
182 95.7 76.5 114.7
145 29.8 23.9 35.9

