

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100918\
 Data File : VU027524.D
 Acq On : 09 Oct 2018 13:10
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 10 08:26:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 10 08:24:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	196624	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180845	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88050	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64095	41.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.84%
7) Chloroethane-d5	1.68	69	50461	42.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.66%
11) 1,1-Dichloroethene-d2	2.27	63	129523	44.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.24%
21) 2-Butanone-d5	4.18	46	102000	81.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.65%
24) Chloroform-d	4.65	84	103554	41.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.68%
26) 1,2-Dichloroethane-d4	5.31	65	74211	42.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.58%
32) Benzene-d6	5.34	84	220593	42.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.12%
36) 1,2-Dichloropropane-d6	6.33	67	76229	42.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.88%
41) Toluene-d8	7.57	98	192739	41.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.85	79	35195	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.28%
47) 2-Hexanone-d5	8.31	63	73954	82.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	97904	42.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	68708	39.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.78%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	97440	49.972	ug/L	98
3) Chloromethane	1.33	50	115535	51.565	ug/L	98
5) Vinyl chloride	1.40	62	108089	49.369	ug/L	97
6) Bromomethane	1.62	94	46100	48.182	ug/L	99
8) Chloroethane	1.70	64	61772	47.078	ug/L	99
9) Trichlorofluoromethane	1.89	101	115642	52.767	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67931	52.211	ug/L	99
12) 1,1-Dichloroethene	2.29	96	61616	48.512	ug/L	94
13) Acetone	2.32	43	123368	120.409	ug/L	100
14) Carbon disulfide	2.48	76	211270	45.284	ug/L	99
15) Methyl Acetate	2.62	43	107424	52.323	ug/L	99
16) Methylene chloride	2.70	84	79257	51.378	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	66800	47.494	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	239873	51.293	ug/L	99
19) 1,1-Dichloroethane	3.45	63	152236	52.419	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	77260	49.518	ug/L	96
22) 2-Butanone	4.26	43	159502	108.753	ug/L	99

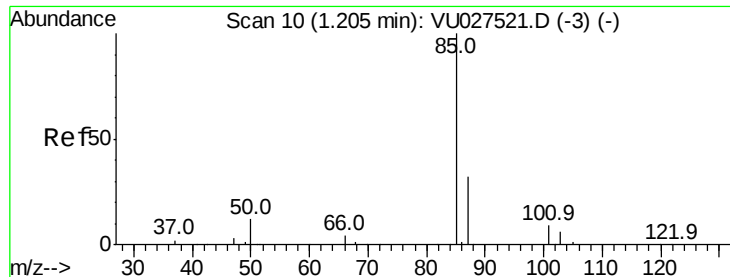
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100918\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 10 08:24:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36415	51.179	ug/L	93
25) Chloroform	4.67	83	147441	52.554	ug/L	99
27) 1,2-Dichloroethane	5.41	62	115342	51.191	ug/L	100
29) Cyclohexane	5.00	56	142770	52.048	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	114716	53.017	ug/L	99
31) Carbon tetrachloride	5.14	117	97834	53.757	ug/L	99
33) Benzene	5.39	78	312561	52.595	ug/L	100
34) Trichloroethene	6.19	95	70917	49.620	ug/L	98
35) Methylcyclohexane	6.42	83	127650	51.405	ug/L	98
37) 1,2-Dichloropropane	6.43	63	93845	54.505	ug/L	100
38) Bromodichloromethane	6.76	83	104909	53.619	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	130469	51.570	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	277465	110.048	ug/L	97
42) Toluene	7.64	91	308960	51.814	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	120525	51.323	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	72831	52.694	ug/L	100
46) Tetrachloroethene	8.23	164	53731	50.586	ug/L	99
48) 2-Hexanone	8.36	43	225933	113.484	ug/L	98
49) Dibromochloromethane	8.48	129	75942	52.694	ug/L	96
50) 1,2-Dibromoethane	8.59	107	75124	51.233	ug/L	100
51) Chlorobenzene	9.12	112	187586	49.761	ug/L	100
52) Ethylbenzene	9.25	91	335606	50.690	ug/L	99
53) m,p-Xylene	9.38	106	124118	51.219	ug/L	98
54) o-xylene	9.78	106	121609	52.091	ug/L	99
55) Styrene	9.79	104	207806	51.981	ug/L	97
56) Isopropylbenzene	10.17	105	320093	52.320	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	128661	53.129	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	104250	53.481	ug/L	100
61) Bromoform	9.96	173	53211	53.186	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	130999	47.803	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	136773	47.848	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	140497	50.364	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	27030	52.268	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	99086	46.799	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	82587	42.416	ug/L	99
69) Naphthalene	13.74	128	294917	49.122	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	93569	47.257	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 49.972 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

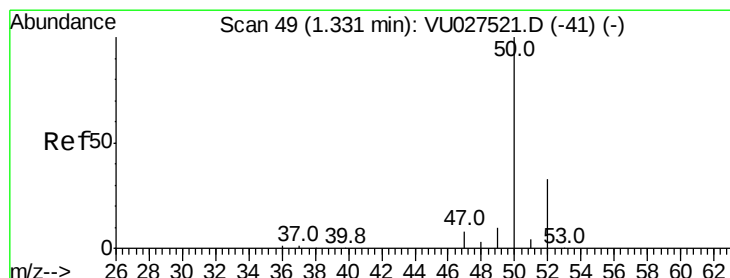
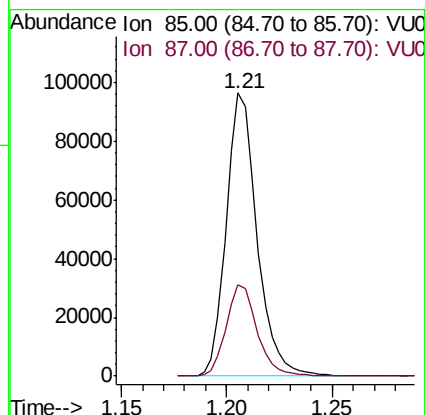
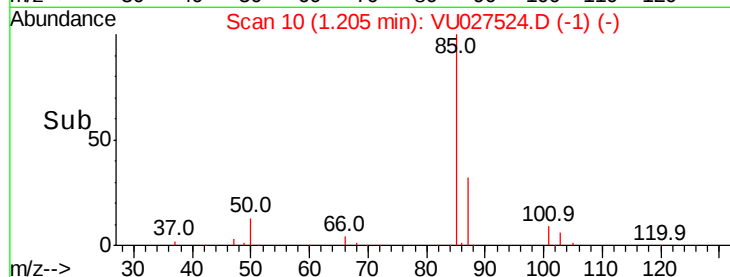
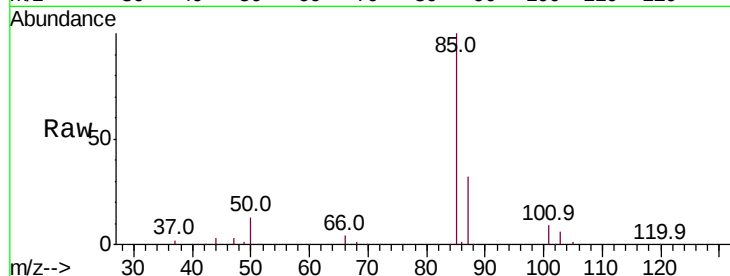
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 97440

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



#3

Chloromethane

Concen: 51.565 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027524.D

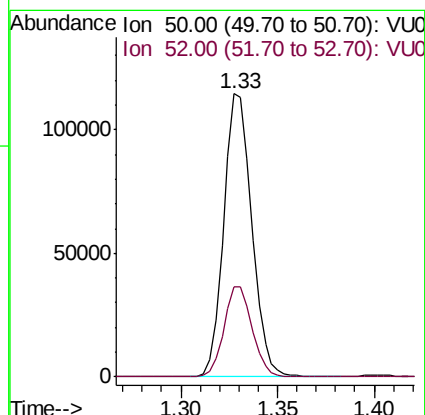
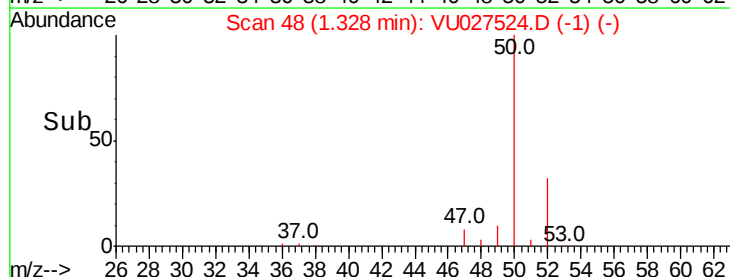
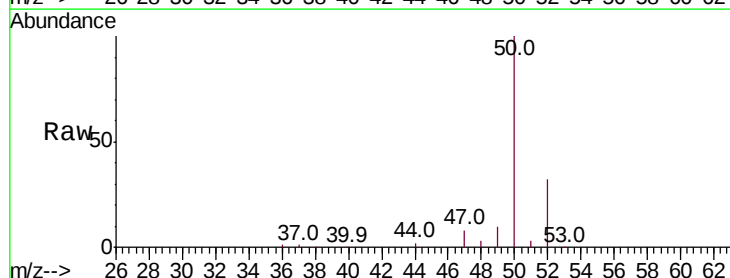
Acq: 09 Oct 2018 13:10

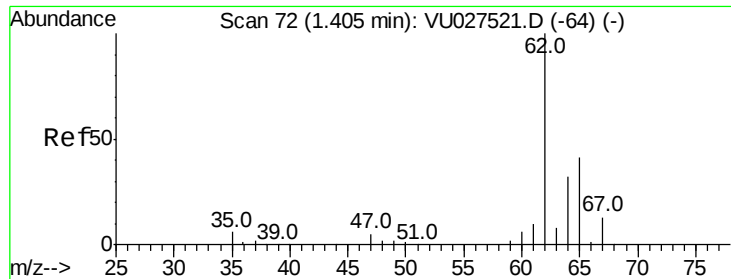
Tgt Ion: 50 Resp: 115535

Ion Ratio Lower Upper

50 100

52 31.6 23.0 42.6





#5

Vinyl chloride

Concen: 49.369 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

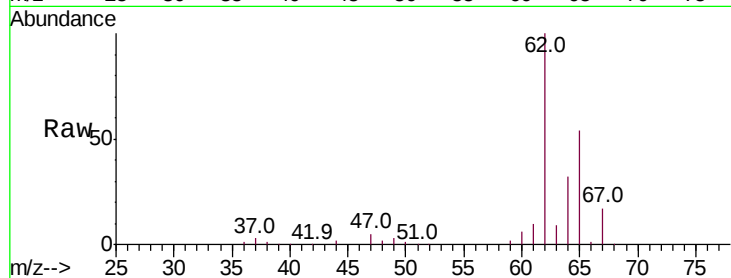
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 108089

Ion Ratio Lower Upper

62 100

64 31.9 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

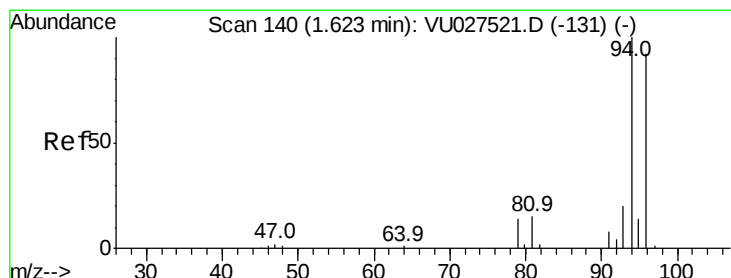
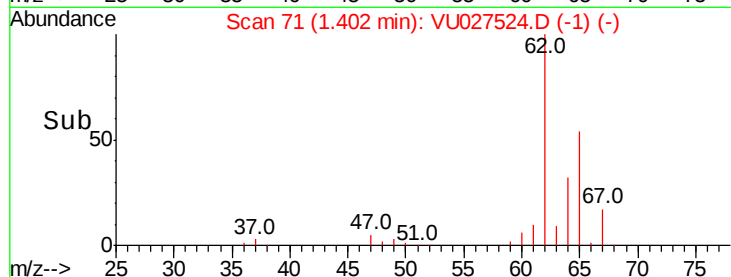
60000

40000

20000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 48.182 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU027524.D

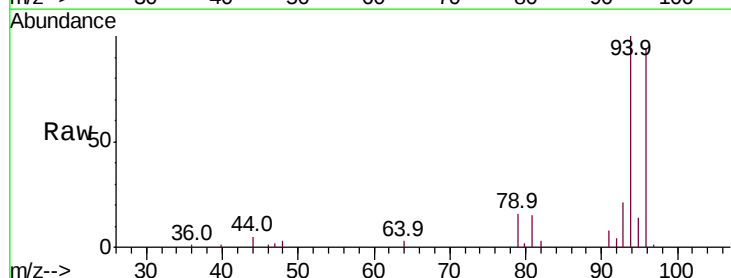
Acq: 09 Oct 2018 13:10

Tgt Ion: 94 Resp: 46100

Ion Ratio Lower Upper

94 100

96 94.2 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

40000

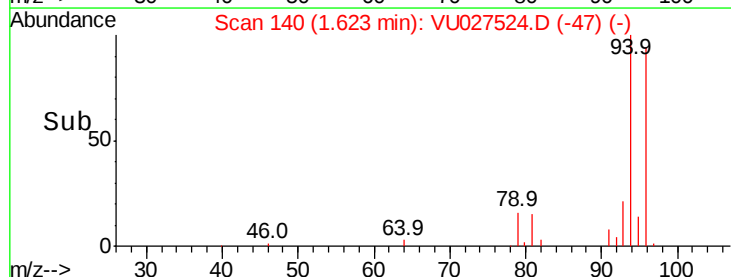
30000

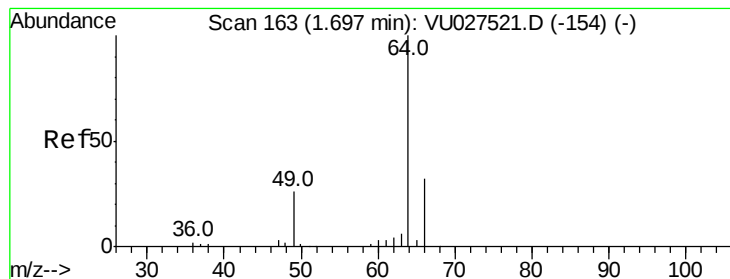
20000

10000

0

Time--> 1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 47.078 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

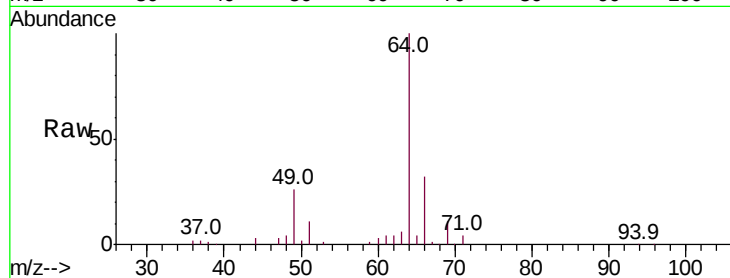
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 61772

Ion Ratio Lower Upper

64 100

66 31.8 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU027521.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU027521.D (-154) (-)

1.70

50000

40000

30000

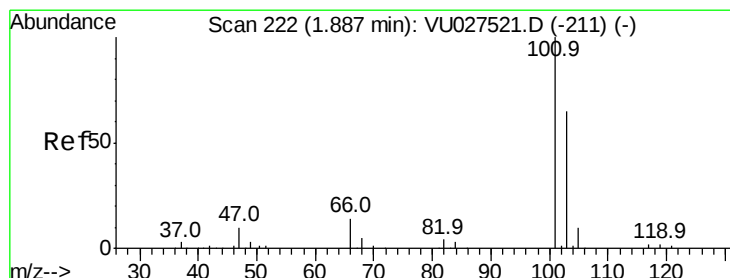
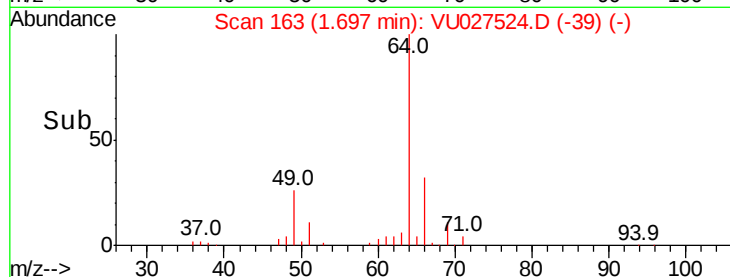
20000

10000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 52.767 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027524.D

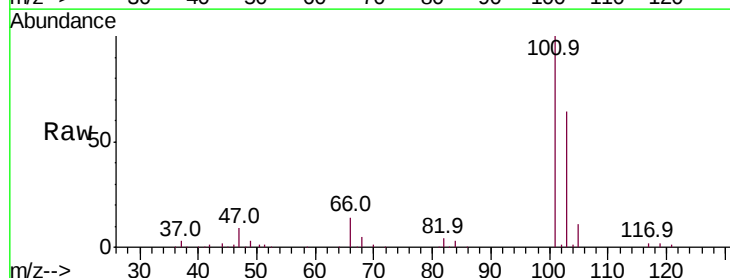
Acq: 09 Oct 2018 13:10

Tgt Ion:101 Resp: 115642

Ion Ratio Lower Upper

101 100

103 65.0 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU027521.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU027521.D (-211) (-)

1.89

80000

60000

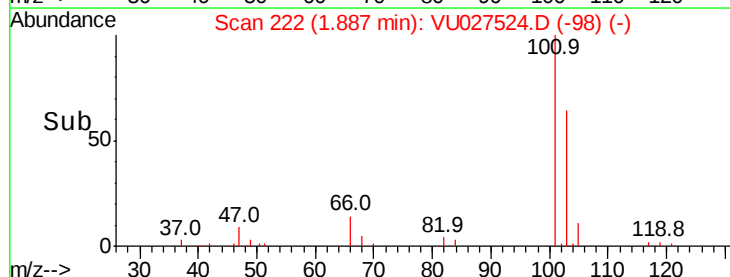
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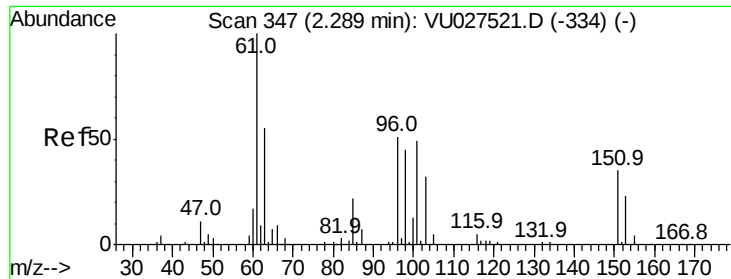
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 52.211 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

ClientSampled :

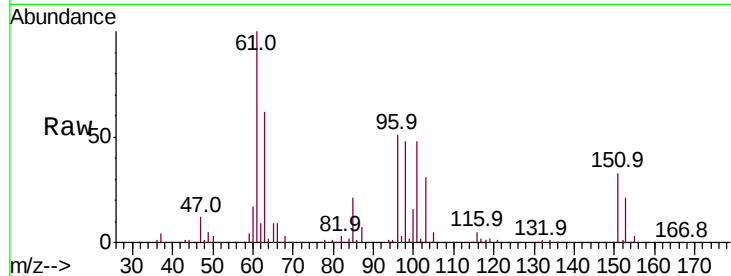
Tot Ion:101 Resp: 67931

Ion Ratio Lower Upper

101 100

85 45.0 35.9 53.9

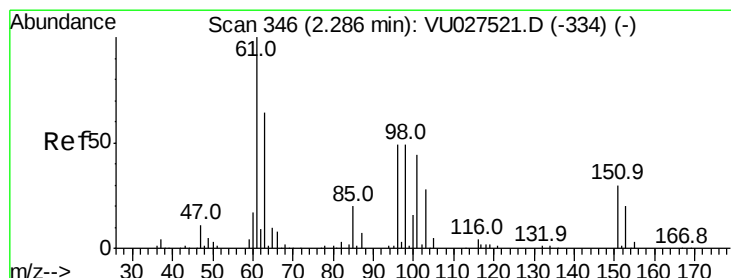
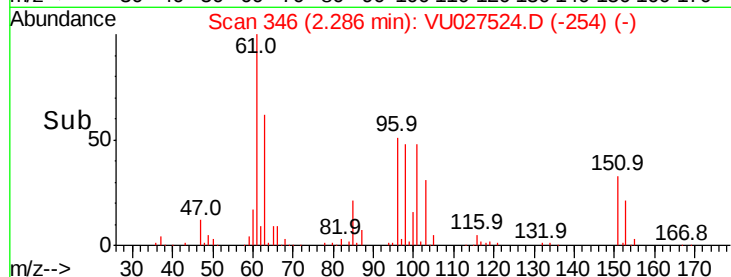
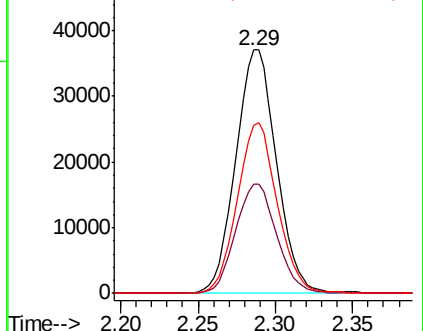
151 68.7 55.7 83.5



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: 48.512 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

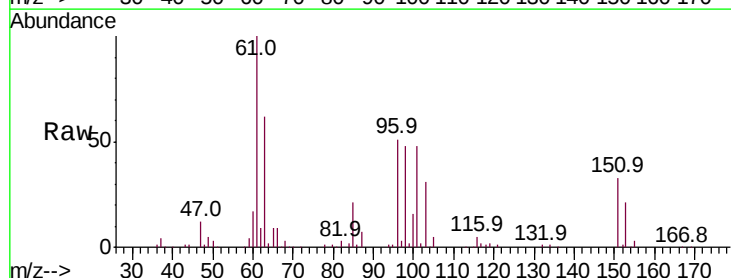
Tgt Ion: 96 Resp: 61616

Ion Ratio Lower Upper

96 100

61 197.7 135.2 251.0

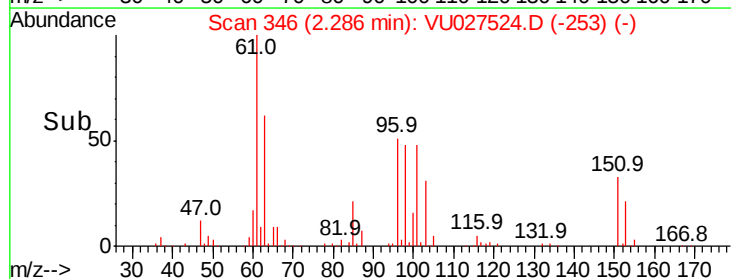
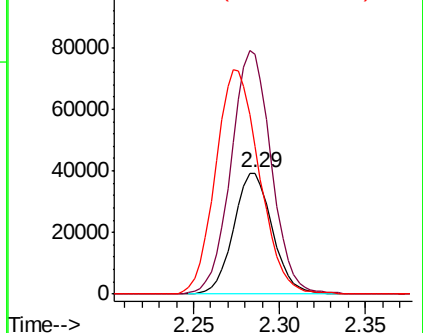
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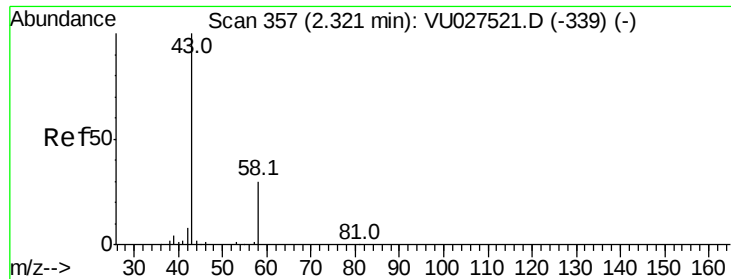


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 120.409 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

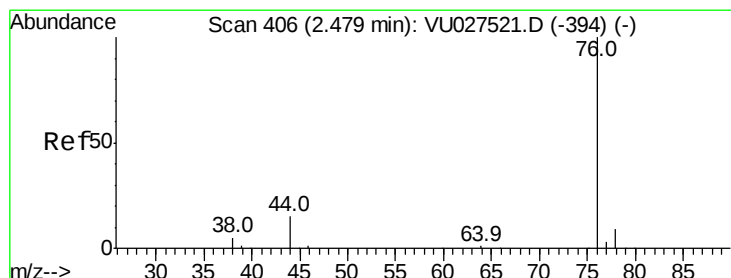
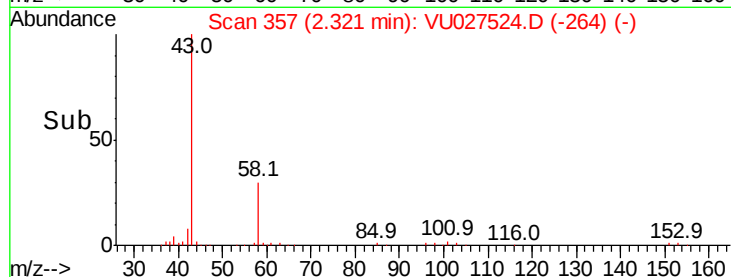
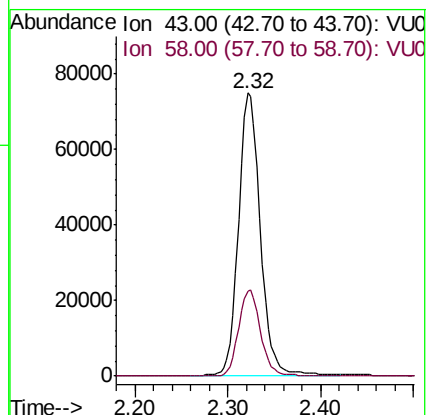
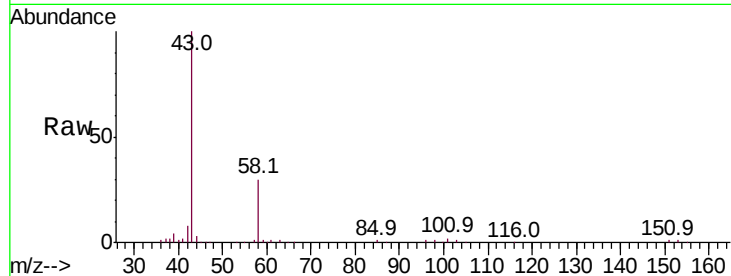
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 123368

Ion Ratio Lower Upper

43 100

58 30.4 0.0 60.8



#14

Carbon disulfide

Concen: 45.284 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027524.D

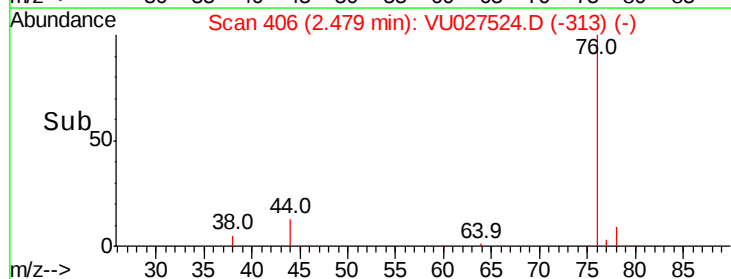
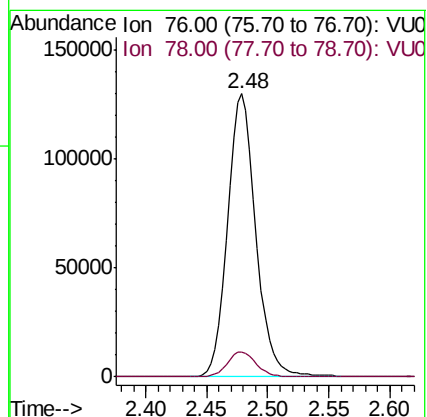
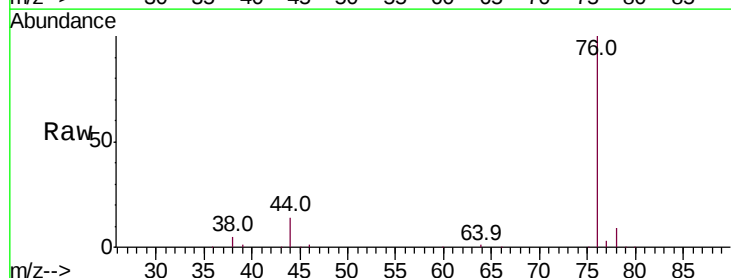
Acq: 09 Oct 2018 13:10

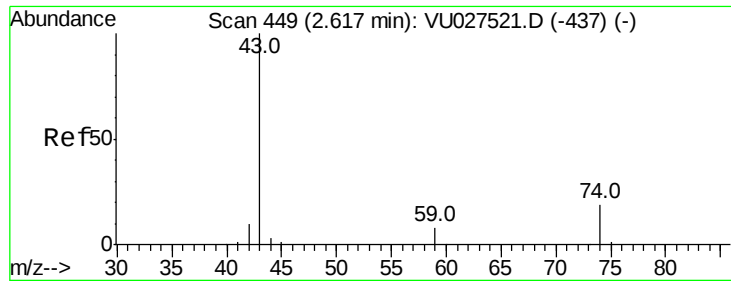
Tgt Ion: 76 Resp: 211270

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 52.323 ug/L

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

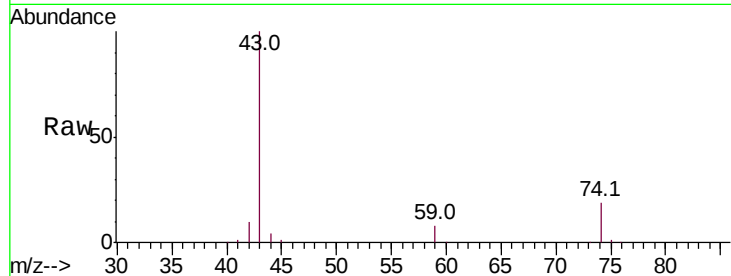
ClientSampleId :

Tot Ion: 43 Resp: 107424

Ion Ratio Lower Upper

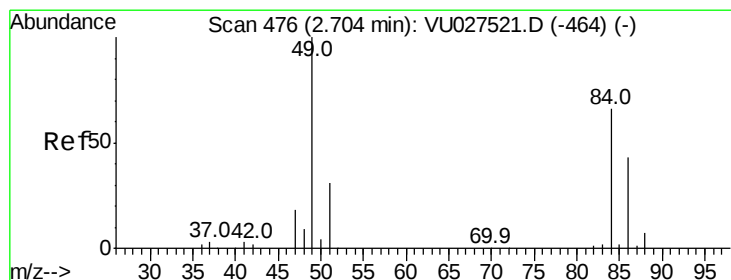
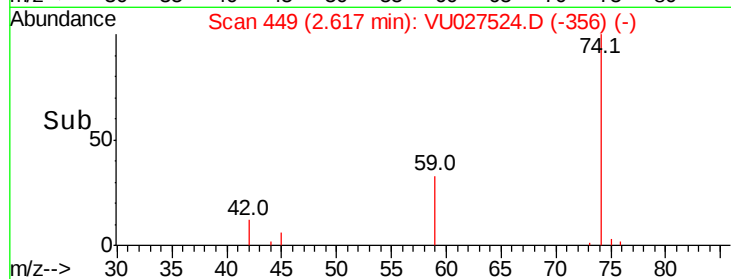
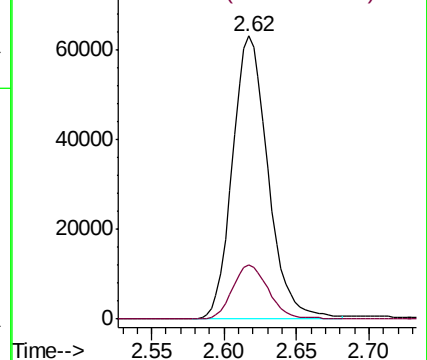
43 100

74 19.5 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 51.378 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

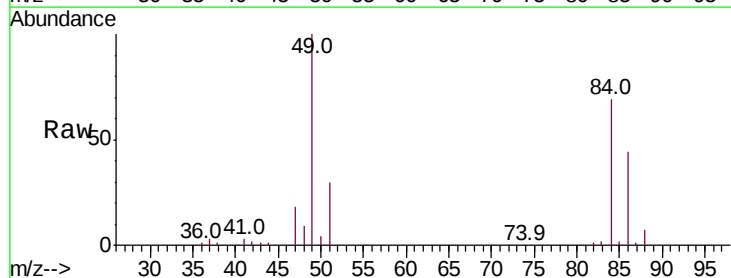
Tgt Ion: 84 Resp: 79257

Ion Ratio Lower Upper

84 100

86 64.7 44.6 82.8

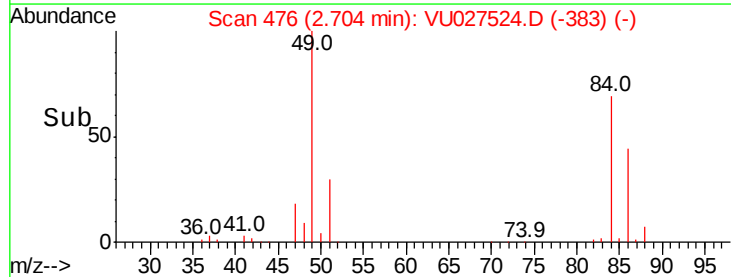
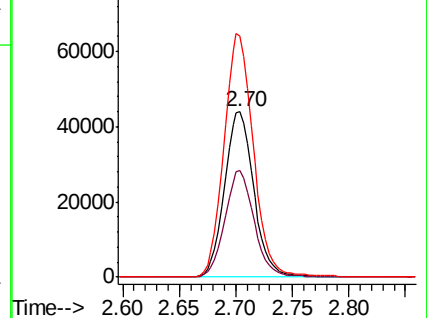
49 145.9 98.3 182.5

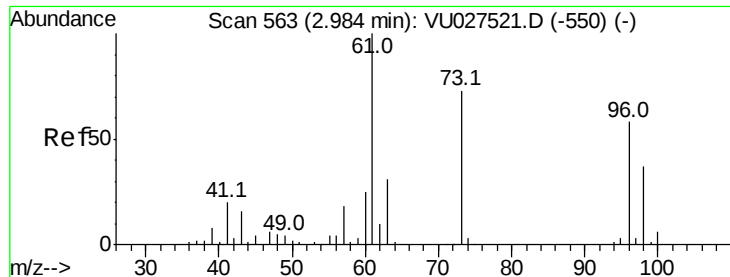


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 47.494 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :
MSVOA_U
ClientSampleId :

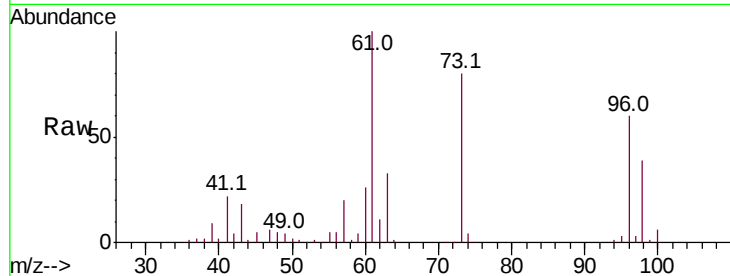
Tot Ion: 96 Resp: 66800

Ion Ratio Lower Upper

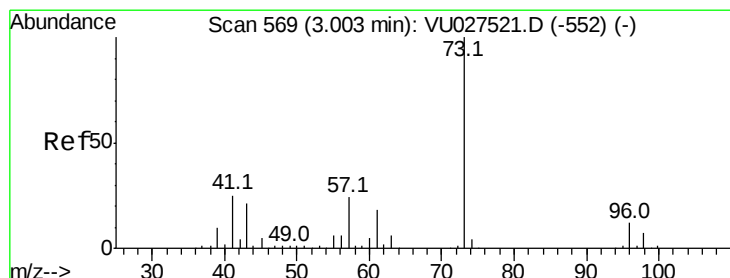
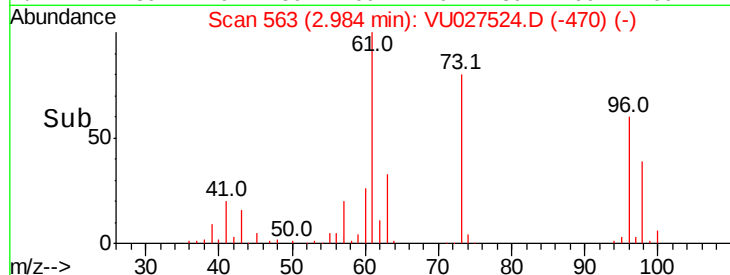
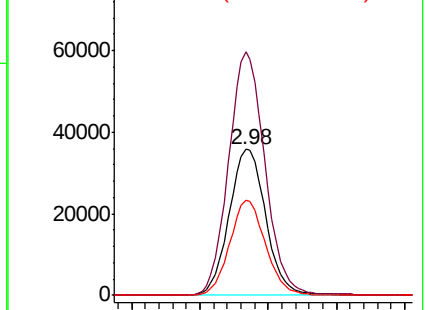
96 100

61 166.4 110.9 205.9

98 65.0 43.7 81.1



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: 51.293 ug/L

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

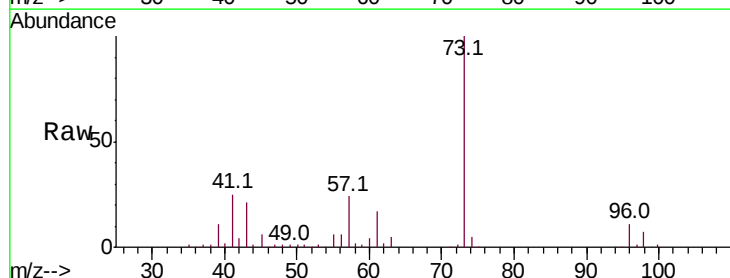
Tgt Ion: 73 Resp: 239873

Ion Ratio Lower Upper

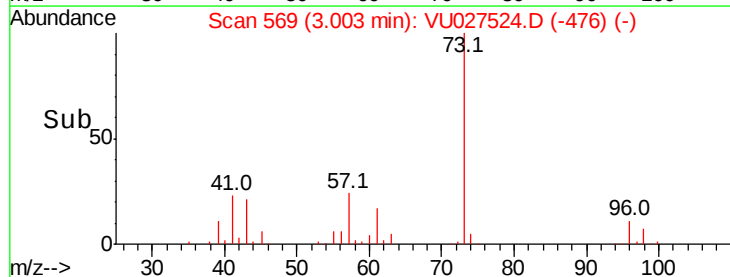
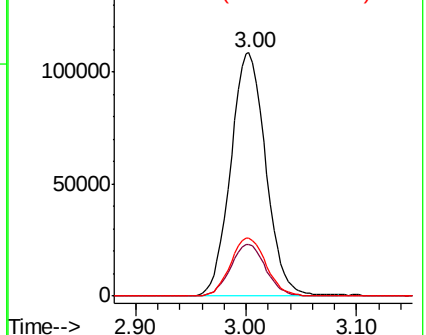
73 100

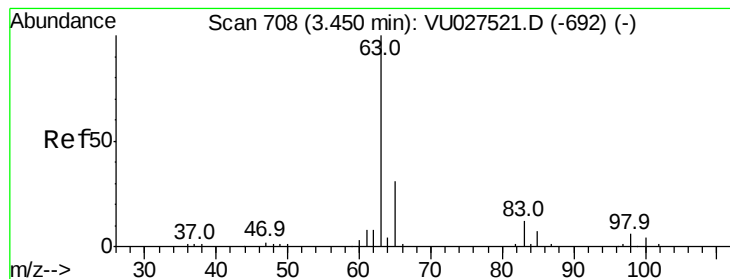
43 21.4 16.5 24.7

57 24.2 19.4 29.0



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: 52.419 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

ClientSampleId :

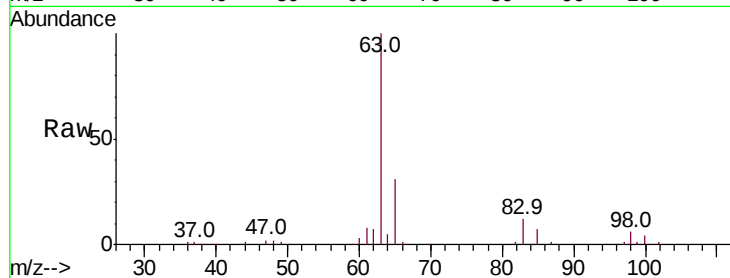
Tot Ion: 63 Resp: 152236

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.3

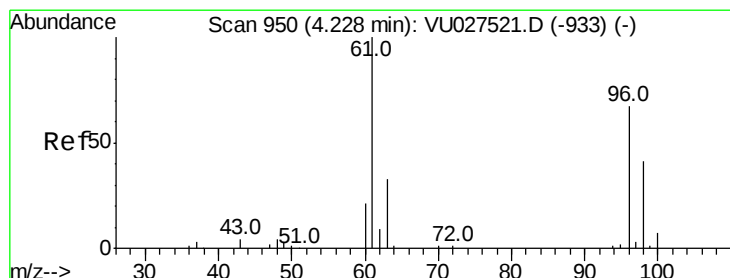
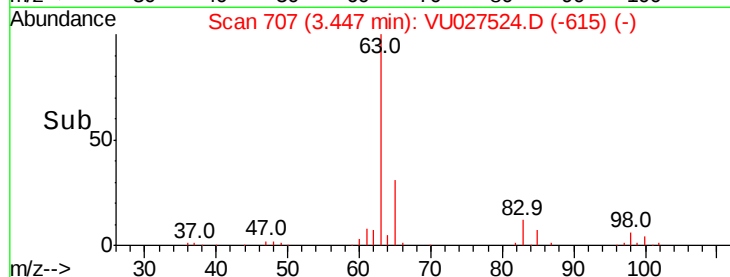
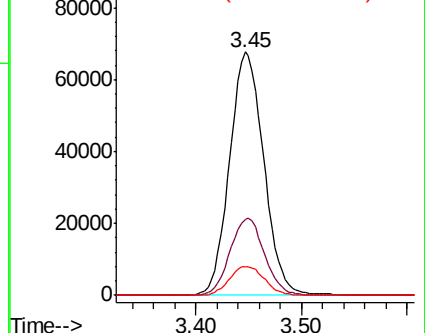
83 11.9 8.4 15.6



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: 49.518 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

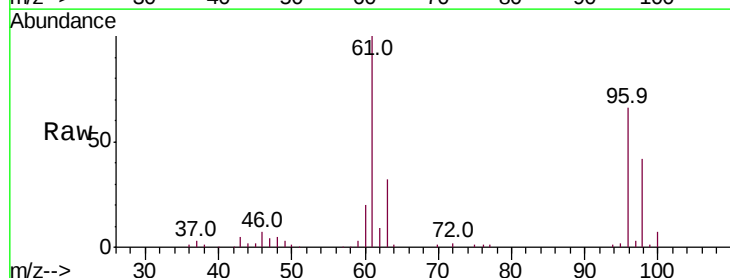
Tgt Ion: 96 Resp: 77260

Ion Ratio Lower Upper

96 100

61 150.6 102.0 189.4

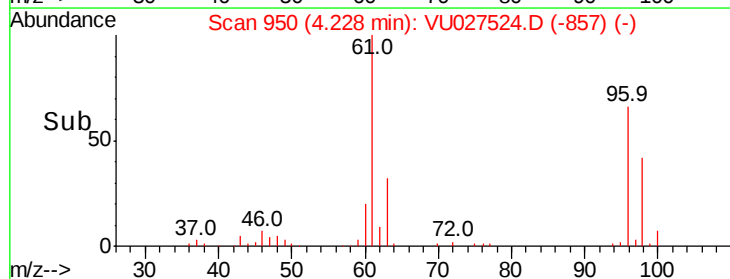
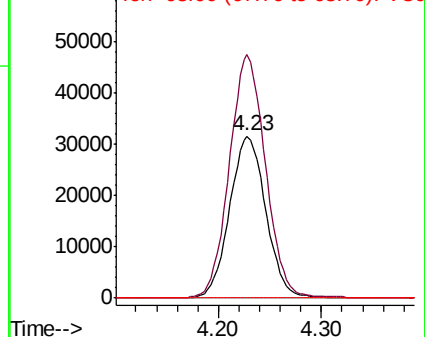
68 0.0 0.0 0.0

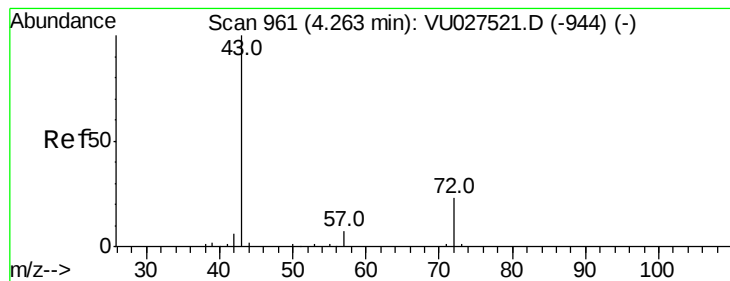


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 108.753 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

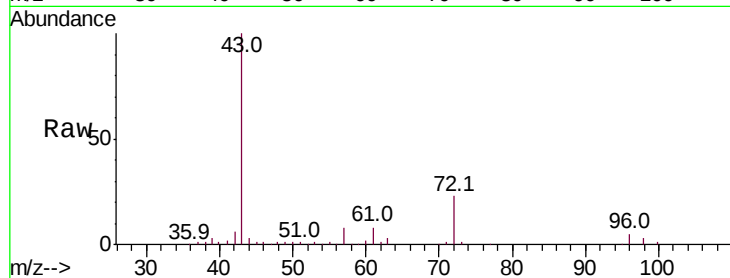
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 159502

Ion Ratio Lower Upper

43 100

72 23.4 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU027521.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU027521.D (-944) (-)

4.26

60000

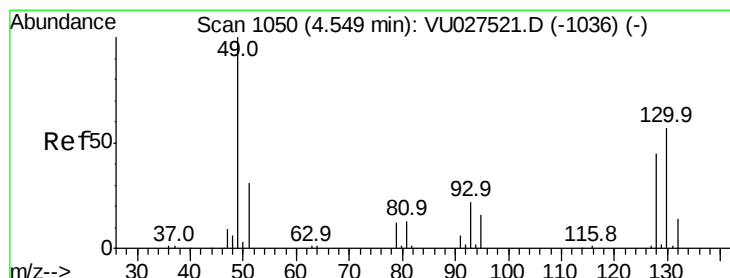
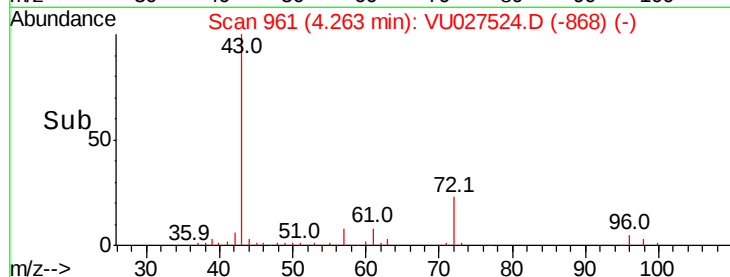
40000

20000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 51.179 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Tgt Ion:128 Resp: 36415

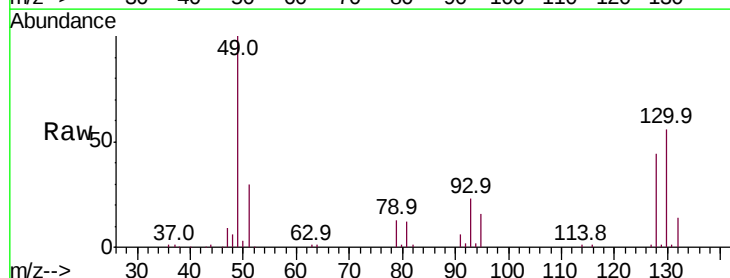
Ion Ratio Lower Upper

128 100

49 229.4 146.9 272.7

130 128.0 89.2 165.6

51 68.5 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU027524.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU027524.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU027524.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU027524.D (-957) (-)

50000

40000

30000

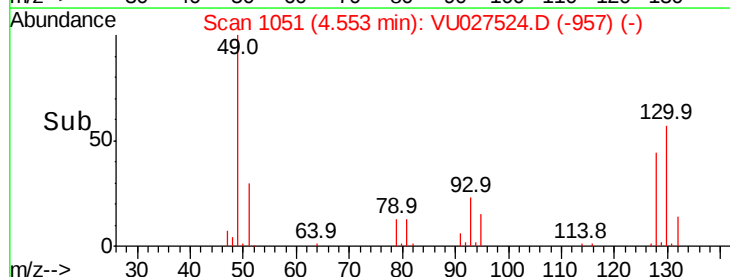
20000

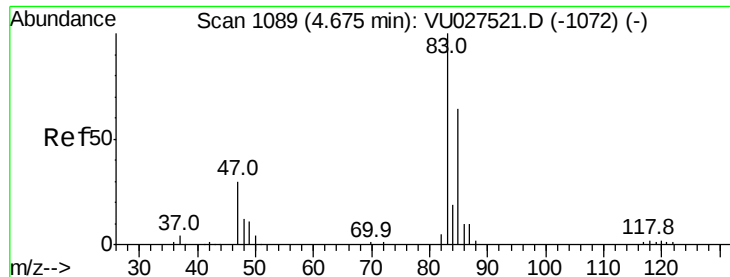
10000

0

4.50 4.60

Time-->





#25

Chloroform

Concen: 52.554 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

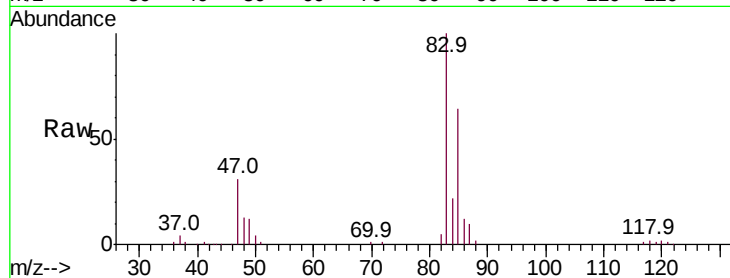
ClientSampleId :

Tot Ion: 83 Resp: 147441

Ion Ratio Lower Upper

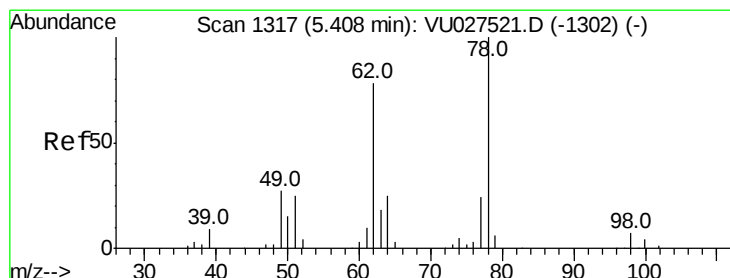
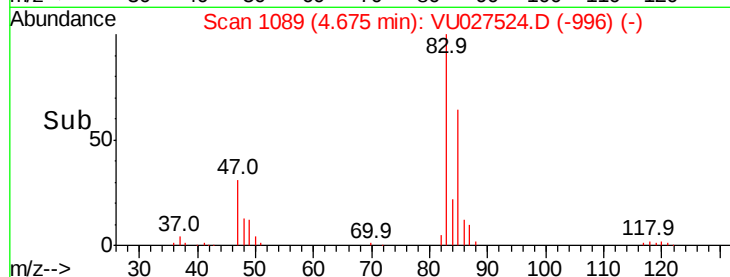
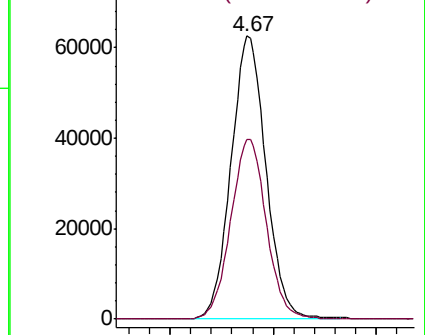
83 100

85 63.6 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 51.191 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU027524.D

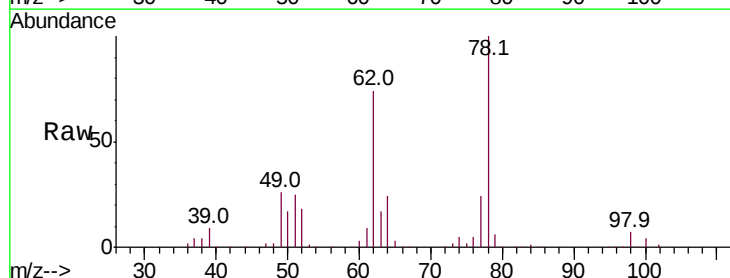
Acq: 09 Oct 2018 13:10

Tgt Ion: 62 Resp: 115342

Ion Ratio Lower Upper

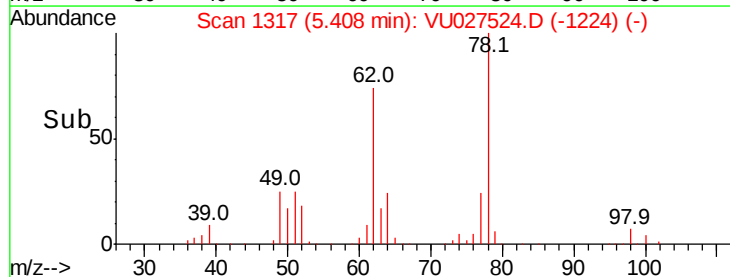
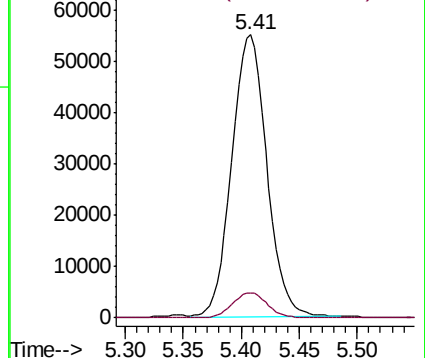
62 100

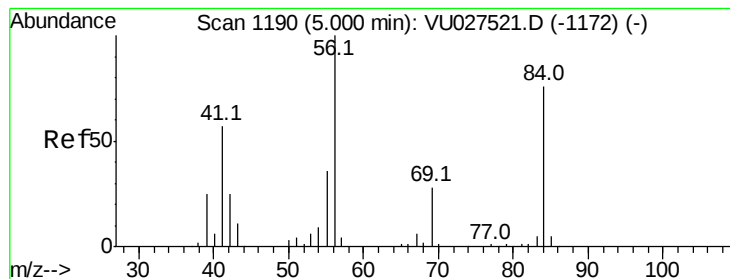
98 8.9 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#29

Cyclohexane

Concen: 52.048 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :
MSVOA_U
ClientSampleId :

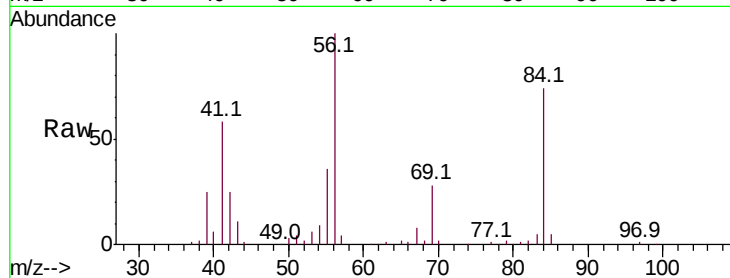
Tot Ion: 56 Resp: 142770

Ion Ratio Lower Upper

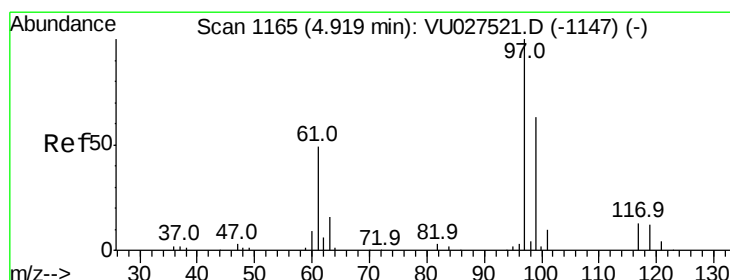
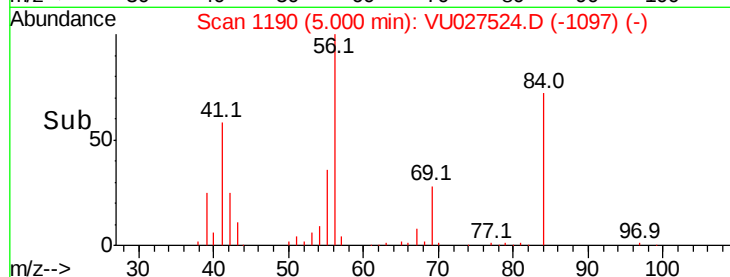
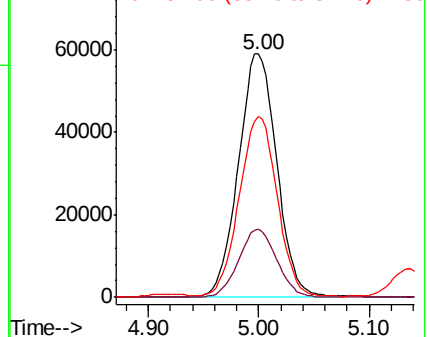
56 100

69 27.7 22.5 33.7

84 74.0 60.9 91.3



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



#30

1,1,1-Trichloroethane

Concen: 53.017 ug/L

RT: 4.92 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

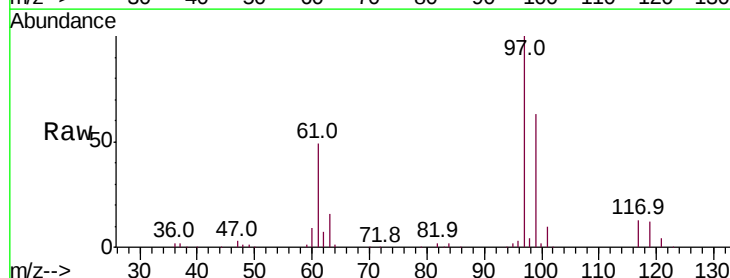
Tgt Ion: 97 Resp: 114716

Ion Ratio Lower Upper

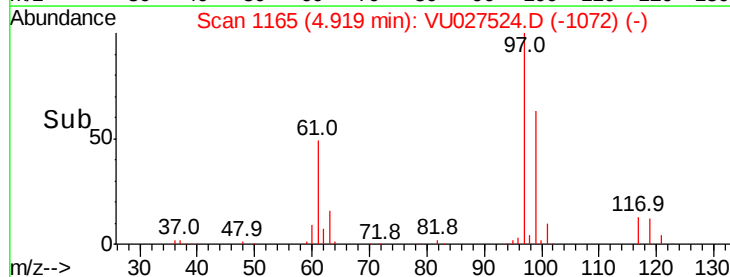
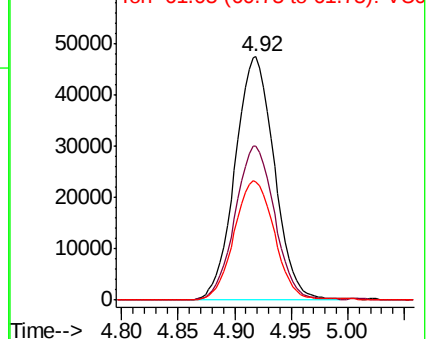
97 100

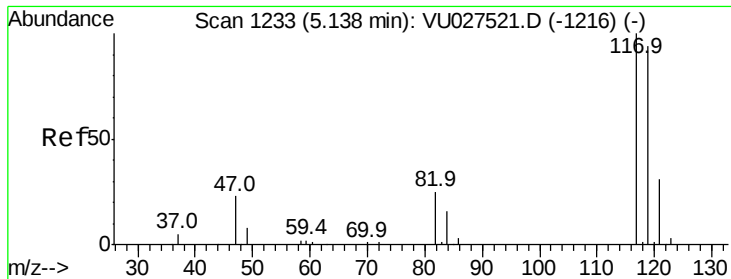
99 63.7 50.9 76.3

61 49.9 38.2 57.4



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





#31

Carbon tetrachloride

Concen: 53.757 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

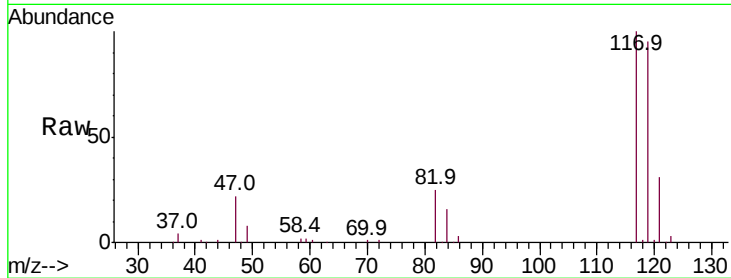
ClientSampleId :

Tot Ion:117 Resp: 97834

Ion Ratio Lower Upper

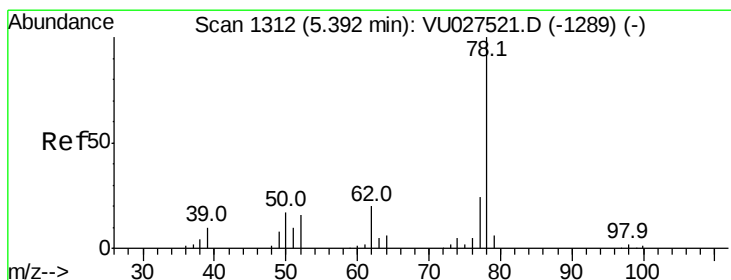
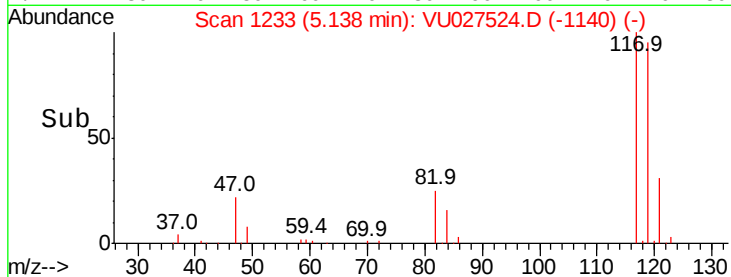
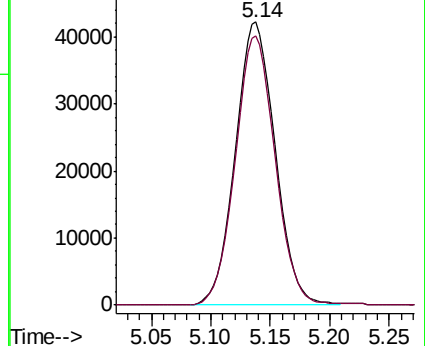
117 100

119 95.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.595 ug/L

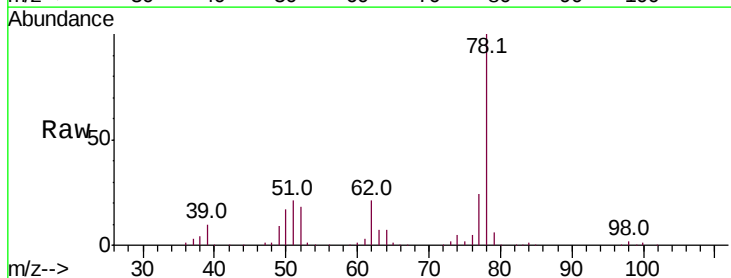
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

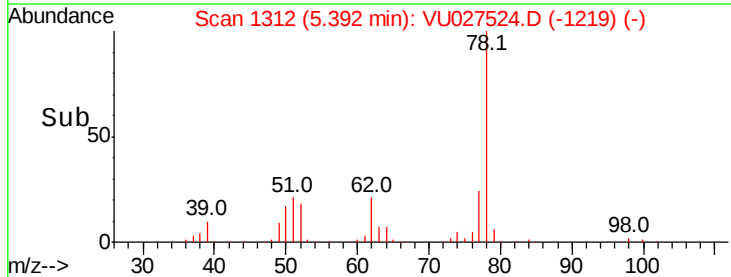
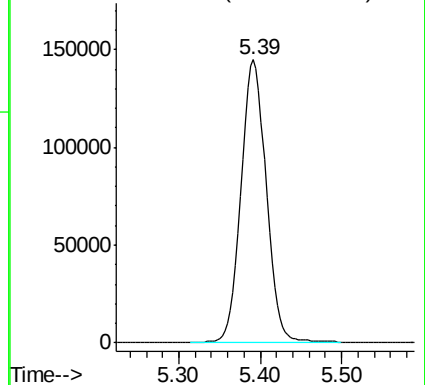
Lab File: VU027524.D

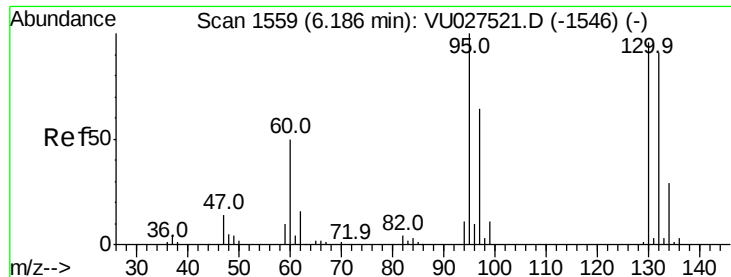
Acq: 09 Oct 2018 13:10

Tgt Ion: 78 Resp: 312561



Abundance Ion 78.00 (77.70 to 78.70): VU0

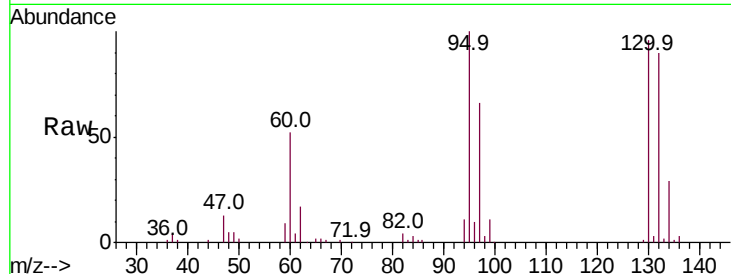




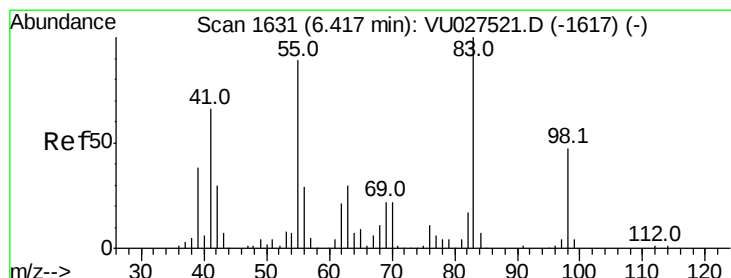
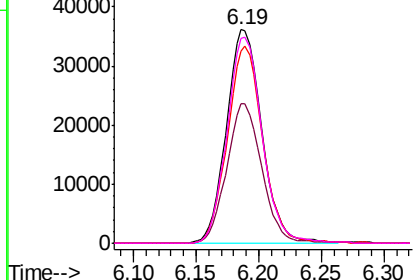
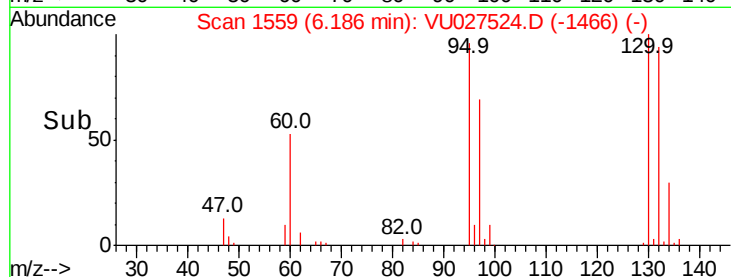
#34
 Trichloroethene
 Concen: 49.620 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 70917
 Ion Ratio Lower Upper
 95 100
 97 65.6 44.9 83.3
 132 90.2 64.8 120.4
 130 95.6 67.1 124.7

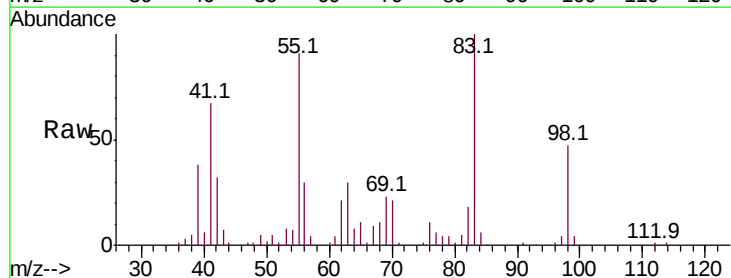


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

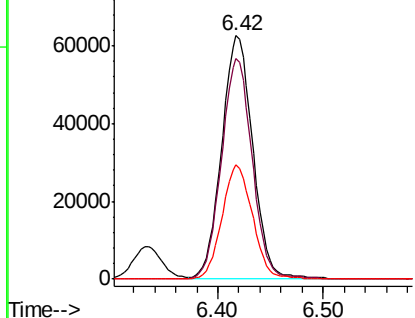
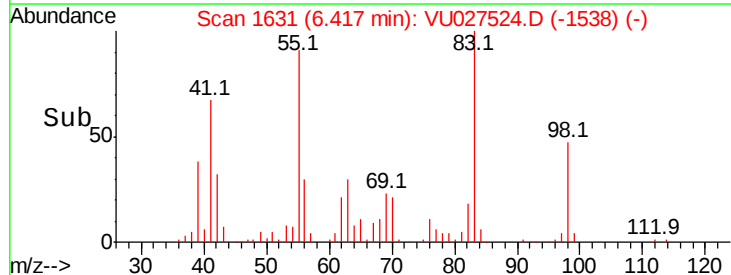


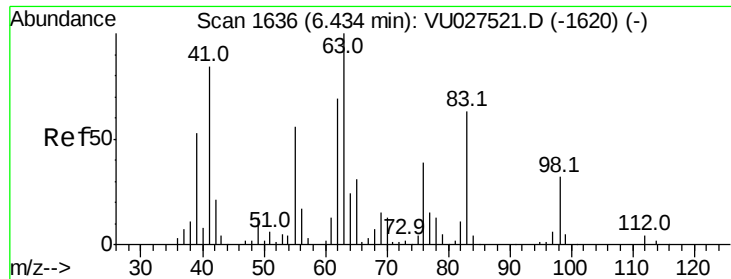
#35
 Methylcyclohexane
 Concen: 51.405 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

Tgt Ion: 83 Resp: 127650
 Ion Ratio Lower Upper
 83 100
 55 89.8 69.9 104.9
 98 46.1 37.1 55.7



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

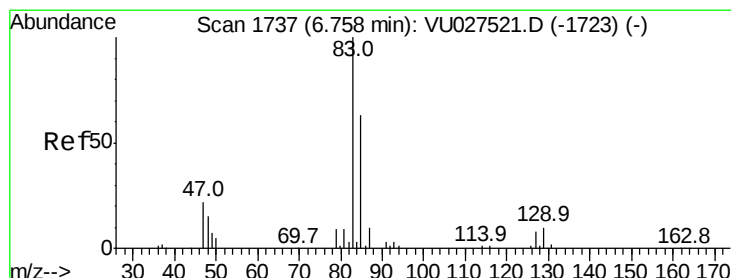
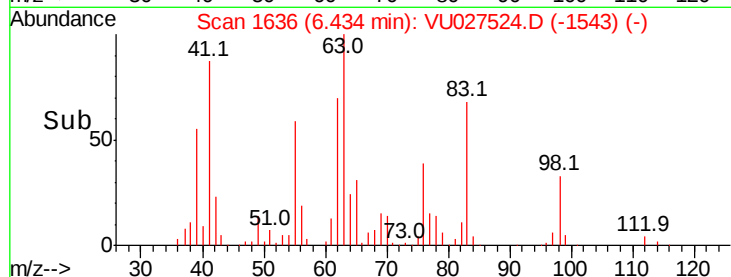
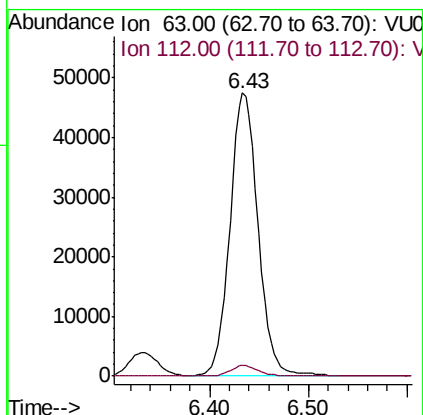
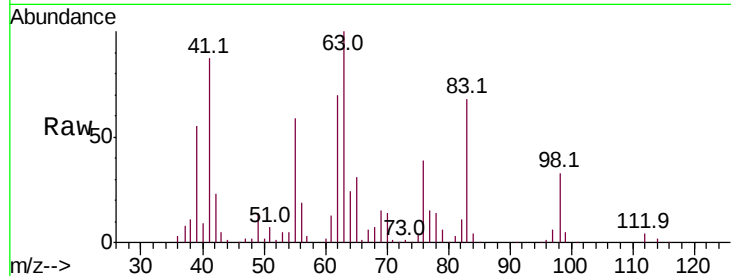




#37
 1,2-Dichloropropane
 Concen: 54.505 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

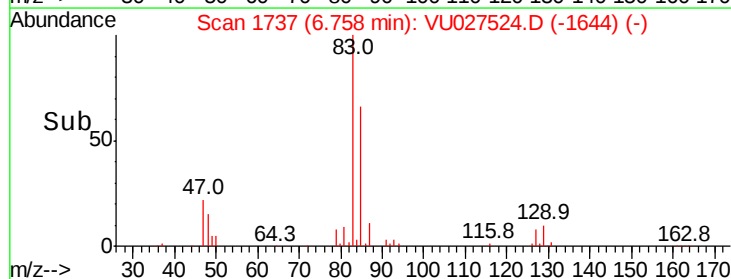
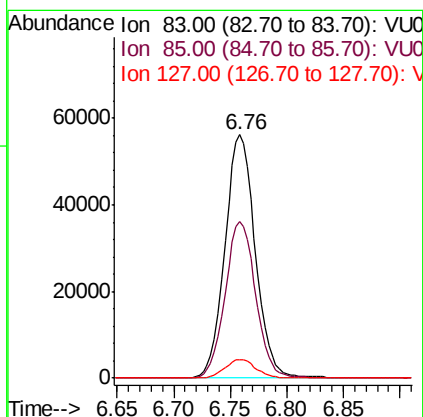
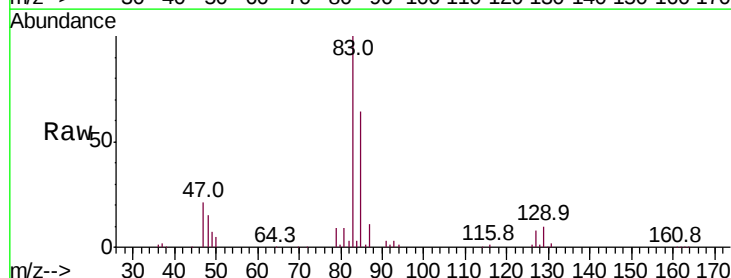
Instrument :
 MSVOA_U
 ClientSampled :

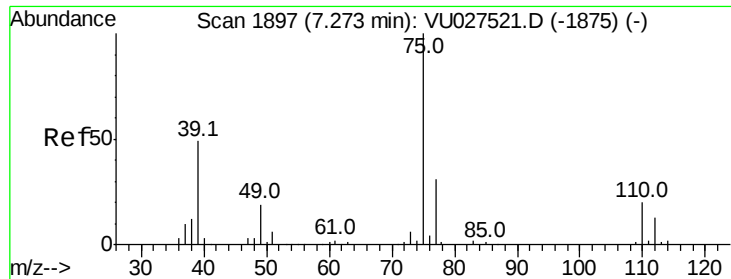
Tot Ion: 63 Resp: 93845
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 53.619 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

Tgt Ion: 83 Resp: 104909
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.1 83.7
 127 7.7 6.3 9.5

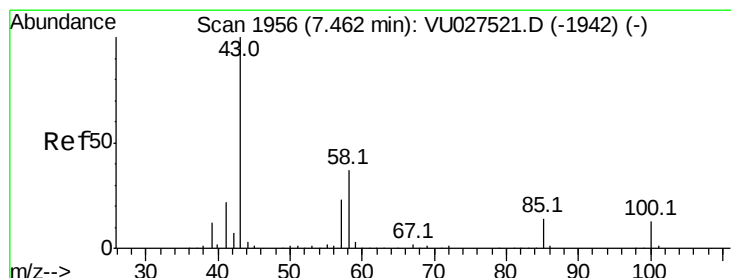
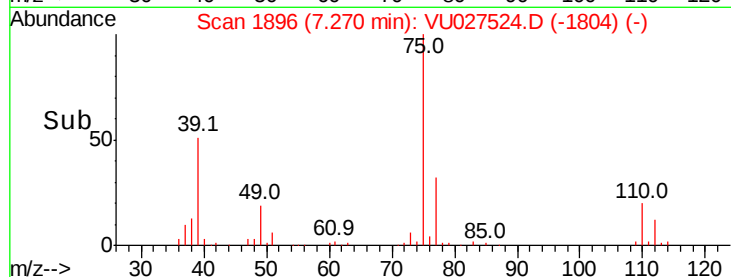
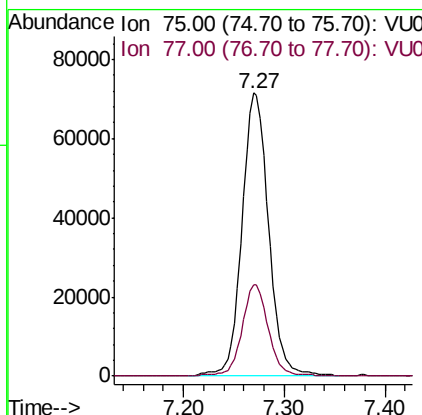
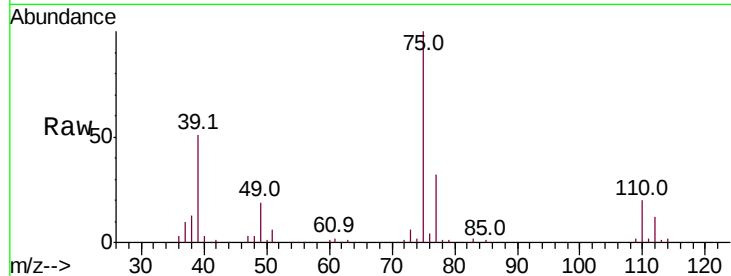




#39
 cis-1,3-Dichloropropene
 Concen: 51.570 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

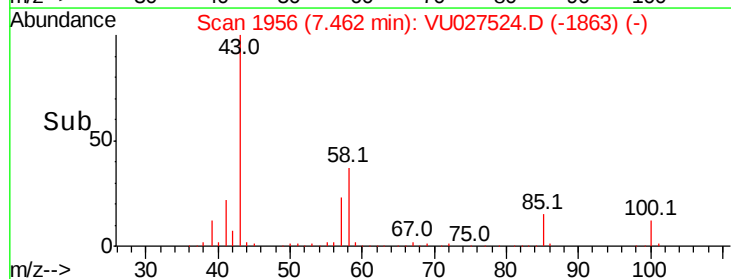
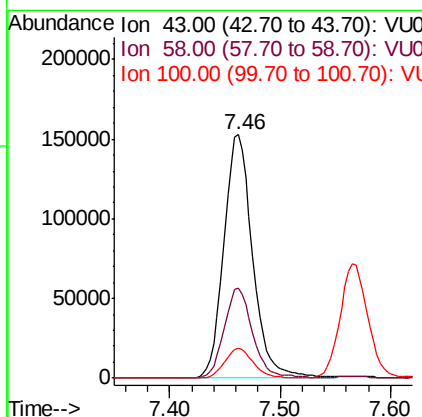
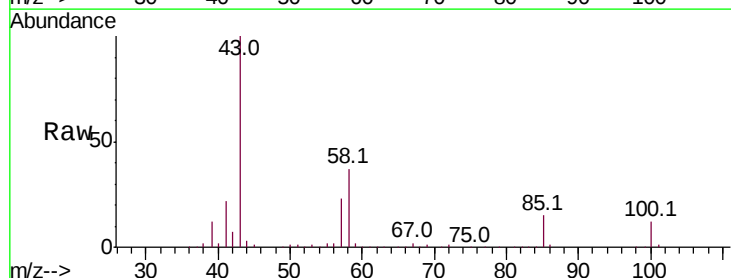
Instrument :
 MSVOA_U
 ClientSampled :

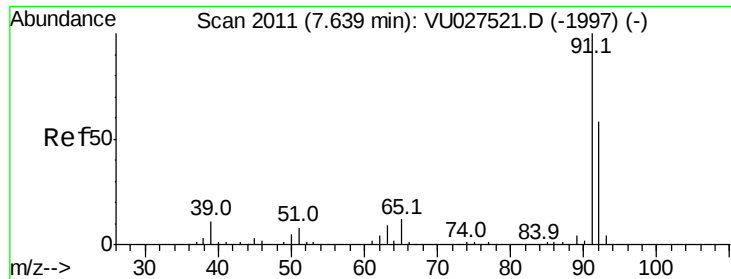
Tot Ion: 75 Resp: 130469
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 110.048 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

Tgt Ion: 43 Resp: 277465
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.7 46.1
 100 12.1 10.2 15.4





#42

Toluene

Concen: 51.814 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

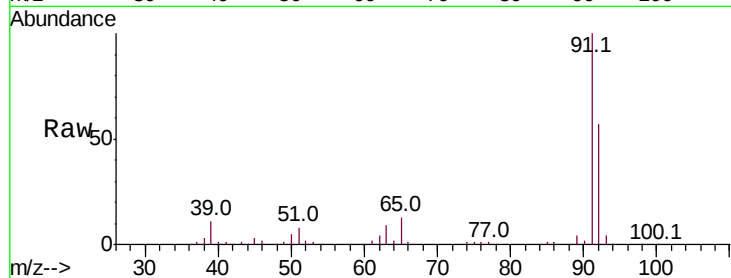
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 308960

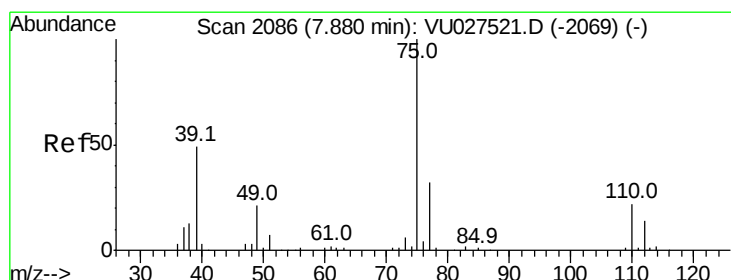
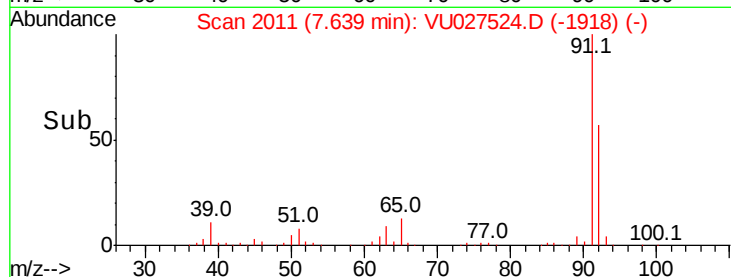
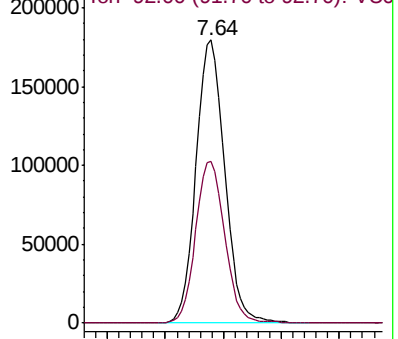
Ion Ratio Lower Upper

91 100

92 57.3 40.2 74.6



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: 51.323 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027524.D

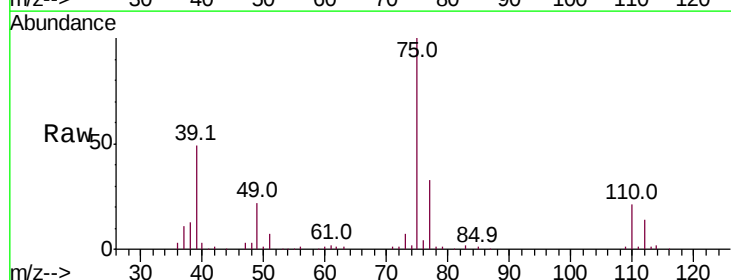
Acq: 09 Oct 2018 13:10

Tgt Ion: 75 Resp: 120525

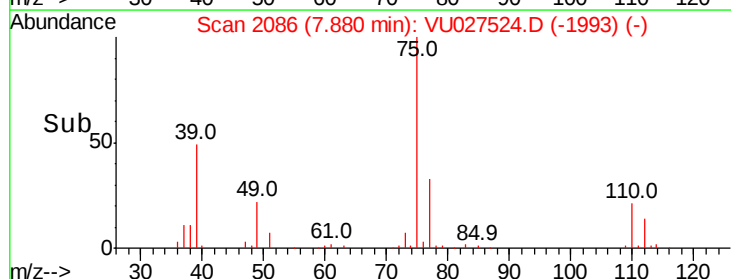
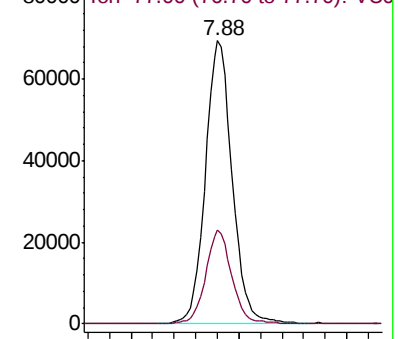
Ion Ratio Lower Upper

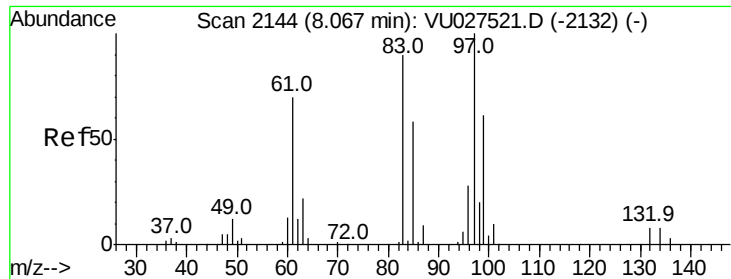
75 100

77 33.0 22.2 41.2



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

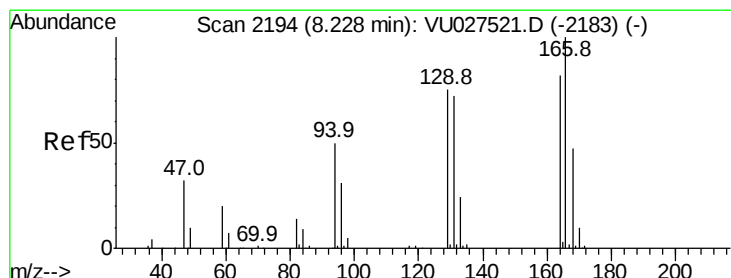
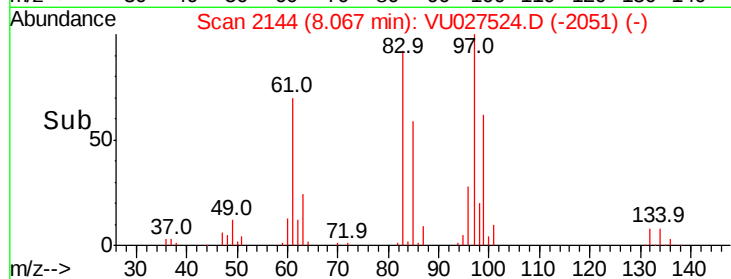
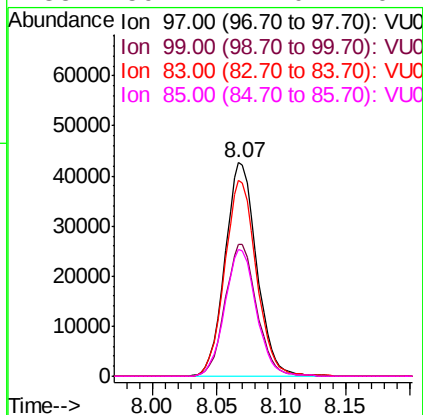
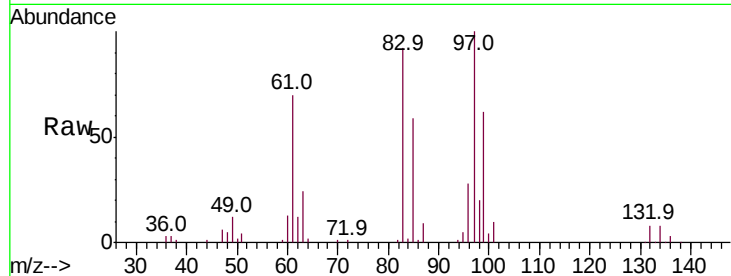




#45
 1,1,2-Trichloroethane
 Concen: 52.694 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

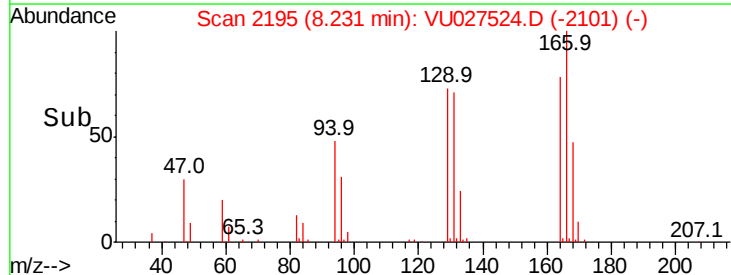
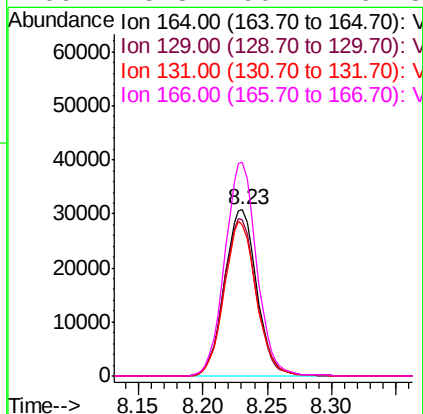
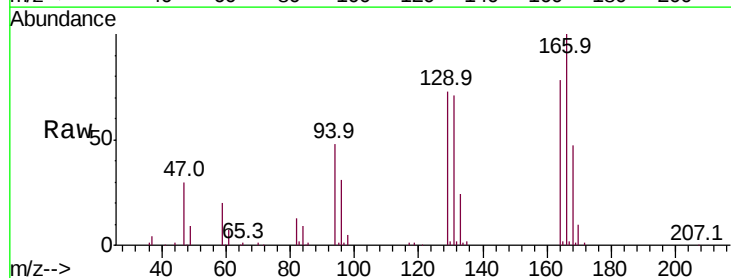
Instrument :
 MSVOA_U
 ClientSampleId :

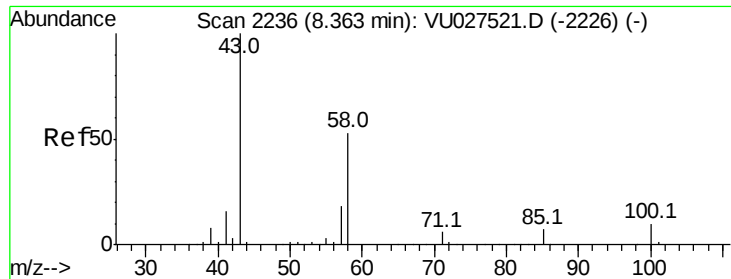
Tot Ion:	97	Resp:	72831
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.2	80.2
83	91.7	64.3	119.5
85	59.4	41.0	76.2



#46
 Tetrachloroethene
 Concen: 50.586 ug/L
 RT: 8.23 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

Tgt Ion:	164	Resp:	53731
Ion	Ratio	Lower	Upper
164	100		
129	94.4	67.0	124.4
131	91.0	65.1	120.9
166	128.8	90.4	167.8

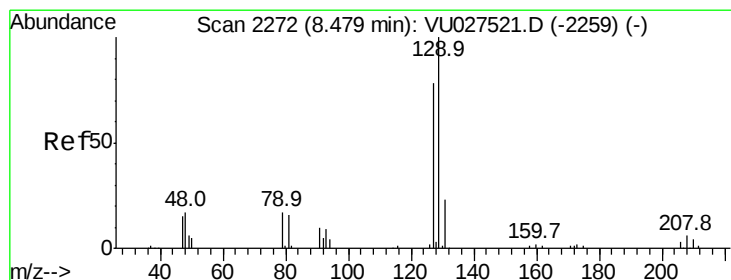
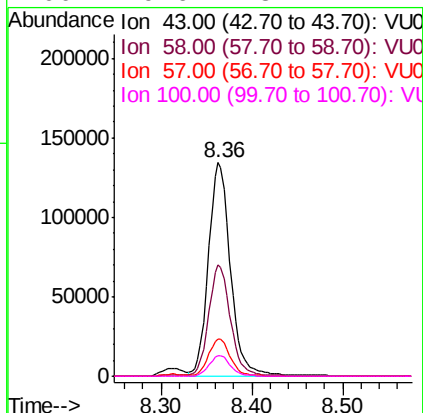
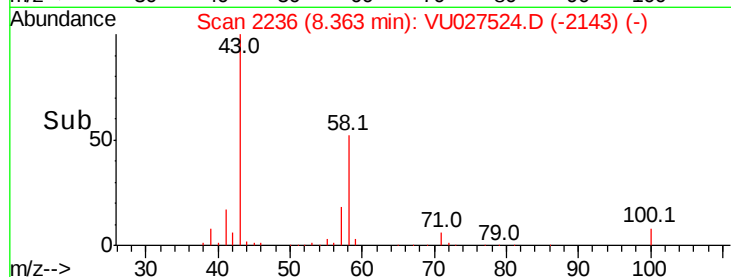
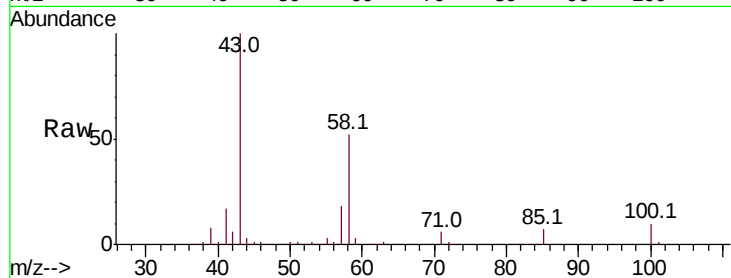




#48
2-Hexanone
Concen: 113.484 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027524.D
Acq: 09 Oct 2018 13:10

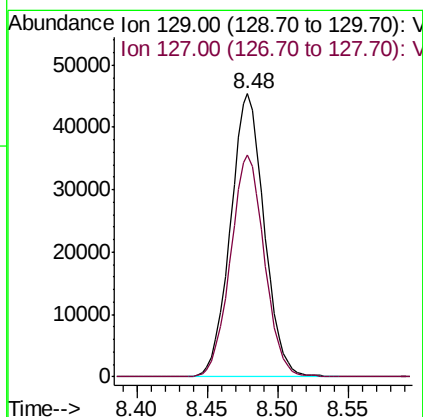
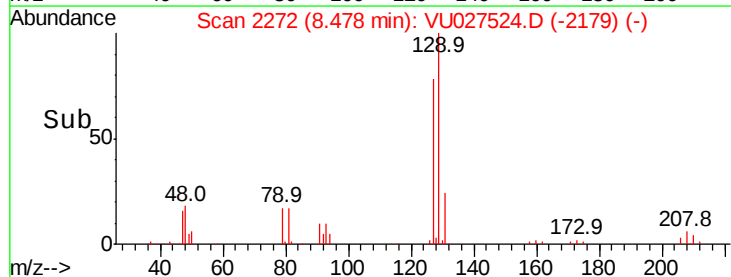
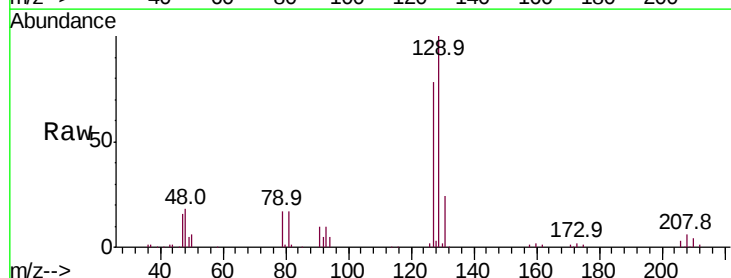
Instrument :
MSVOA_U
ClientSampleId :

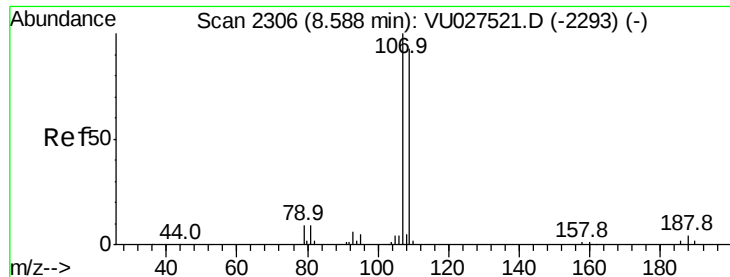
Tot Ion: 43 Resp: 225933
Ion Ratio Lower Upper
43 100
58 51.3 42.7 64.1
57 17.7 14.5 21.7
100 9.6 8.2 12.2



#49
Dibromochloromethane
Concen: 52.694 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027524.D
Acq: 09 Oct 2018 13:10

Tgt Ion: 129 Resp: 75942
Ion Ratio Lower Upper
129 100
127 78.5 52.7 97.9

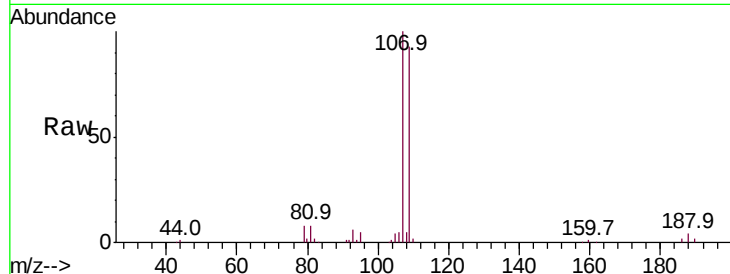




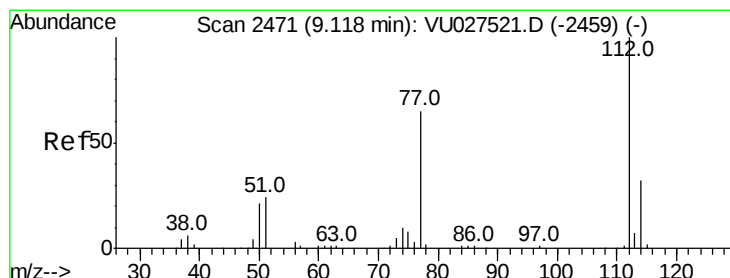
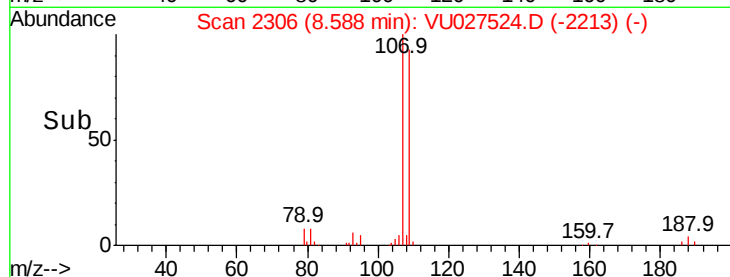
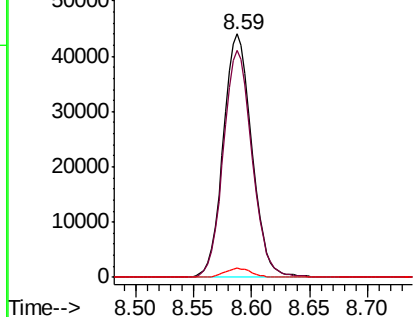
#50
1,2-Dibromoethane
Concen: 51.233 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027524.D
Acq: 09 Oct 2018 13:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 75124
Ion Ratio Lower Upper
107 100
109 93.1 65.5 121.6
188 3.7 3.0 4.6

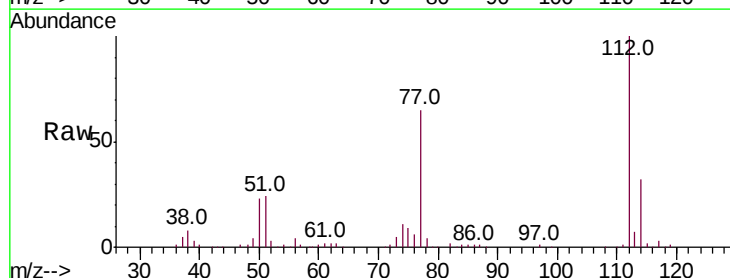


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

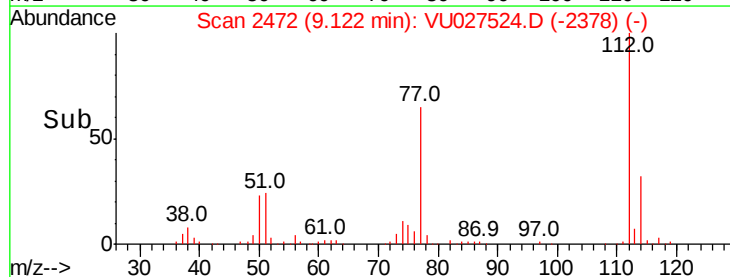
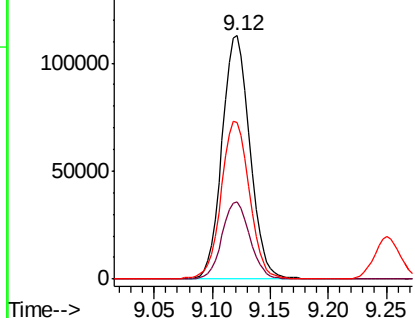


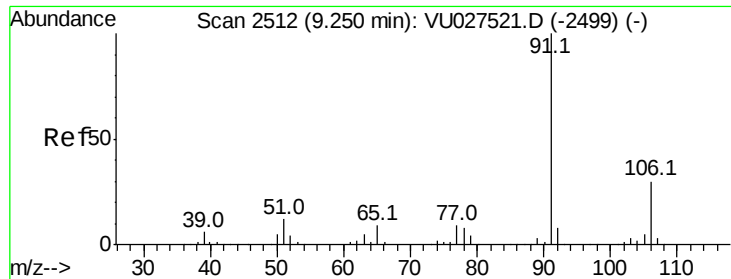
#51
Chlorobenzene
Concen: 49.761 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027524.D
Acq: 09 Oct 2018 13:10

Tgt Ion:112 Resp: 187586
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.5
77 64.5 51.7 77.5



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





#52

Ethylbenzene

Concen: 50.690 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

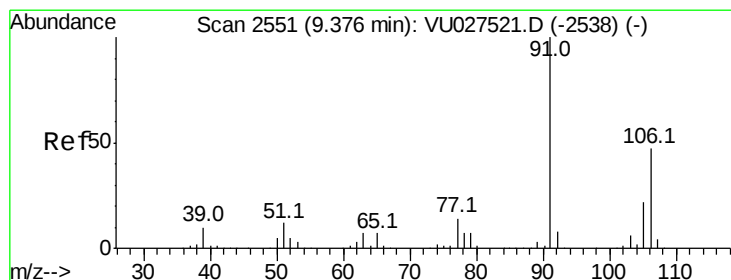
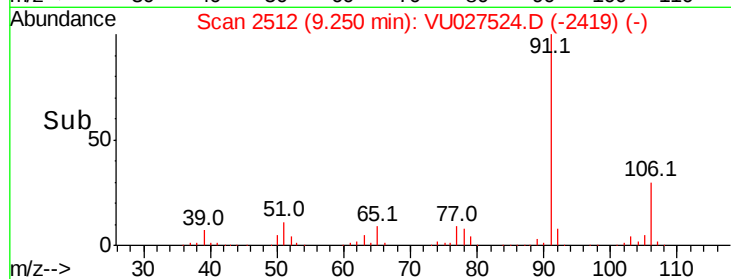
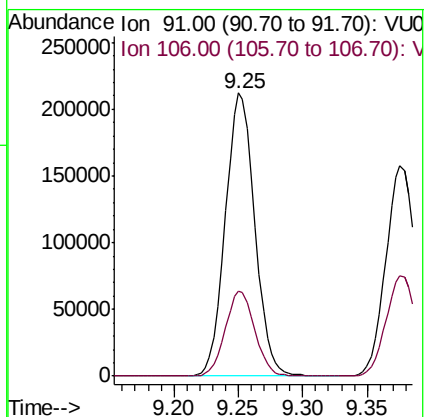
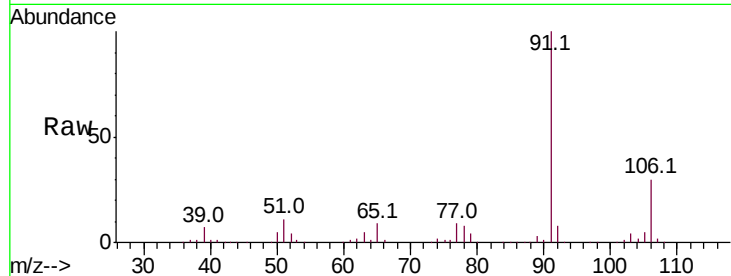
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 335606

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.4



#53

m,p-Xylene

Concen: 51.219 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027524.D

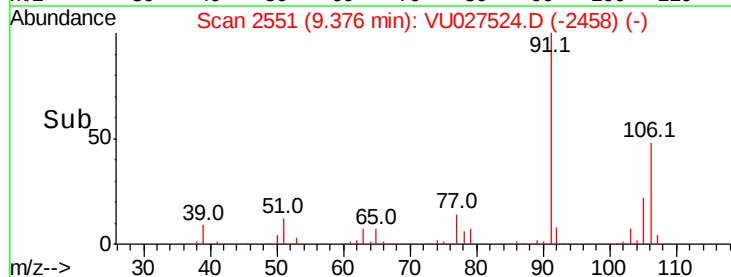
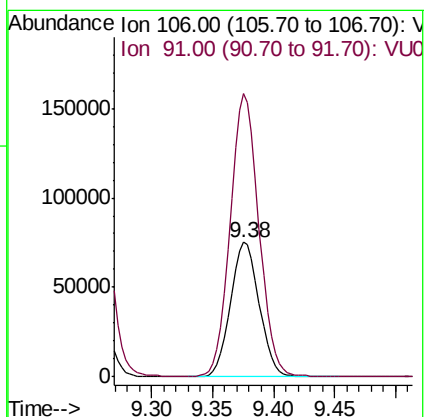
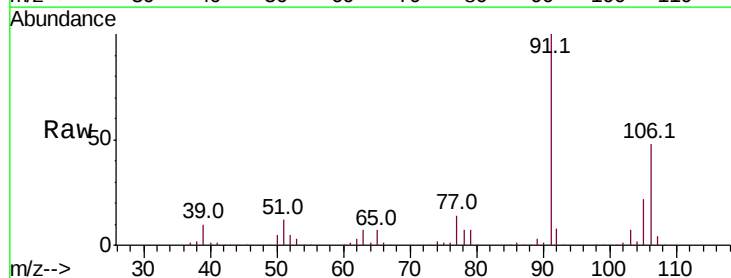
Acq: 09 Oct 2018 13:10

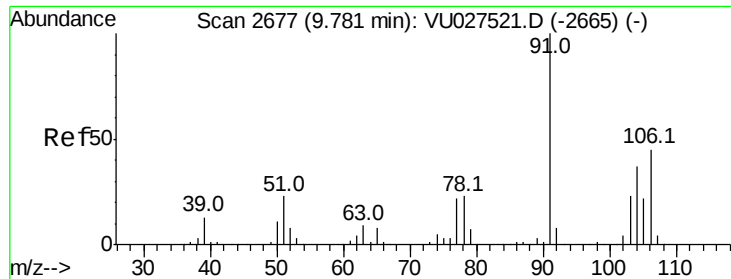
Tgt Ion: 106 Resp: 124118

Ion Ratio Lower Upper

106 100

91 209.9 145.0 269.4





#54

o-xylene

Concen: 52.091 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

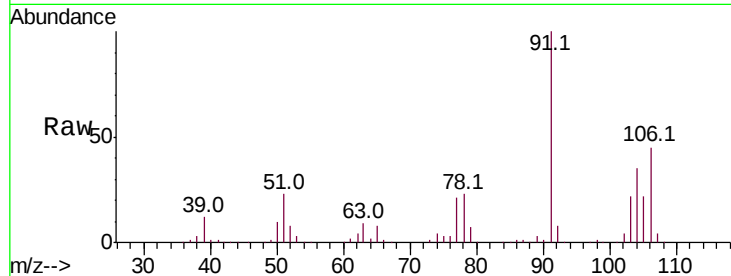
ClientSampleId :

Tot Ion:106 Resp: 121609

Ion Ratio Lower Upper

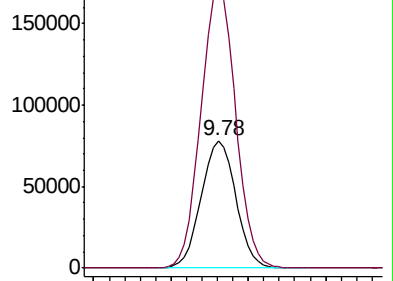
106 100

91 222.5 154.8 287.4

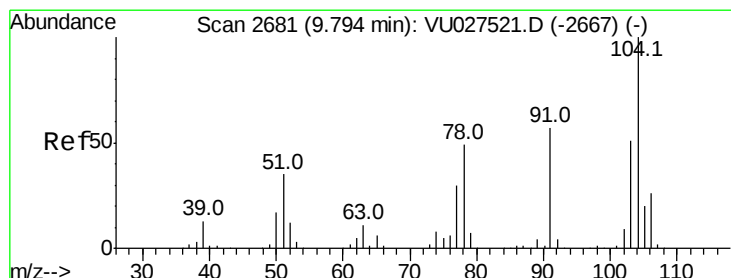
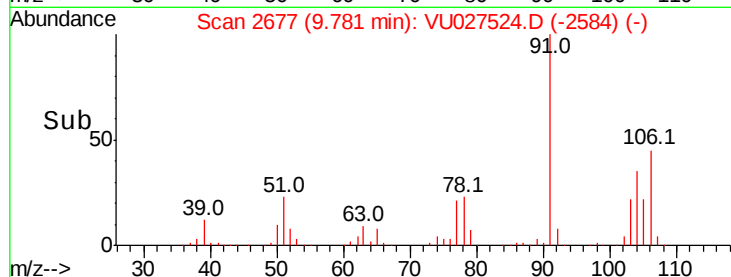


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 51.981 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU027524.D

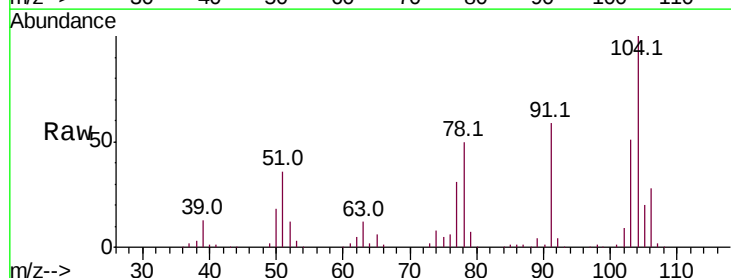
Acq: 09 Oct 2018 13:10

Tgt Ion:104 Resp: 207806

Ion Ratio Lower Upper

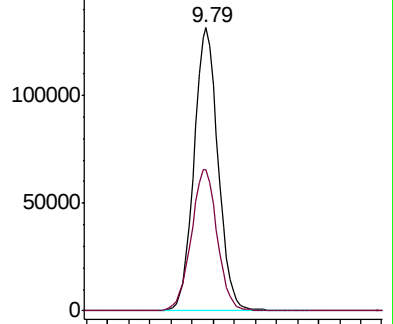
104 100

78 49.8 33.6 62.4

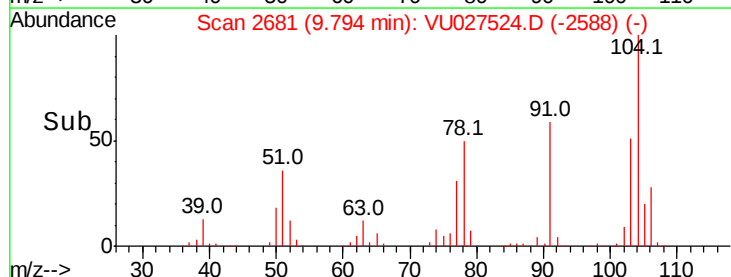


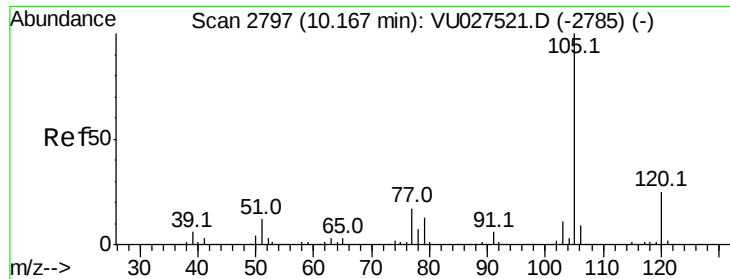
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 52.320 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

ClientSampled :

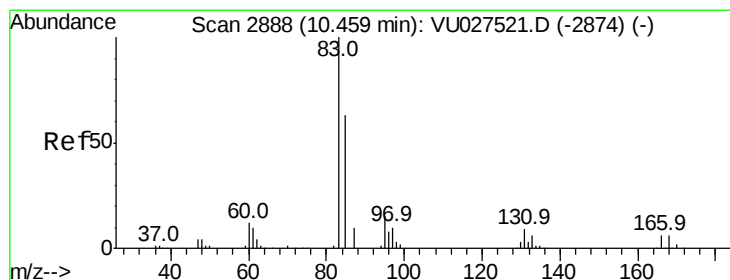
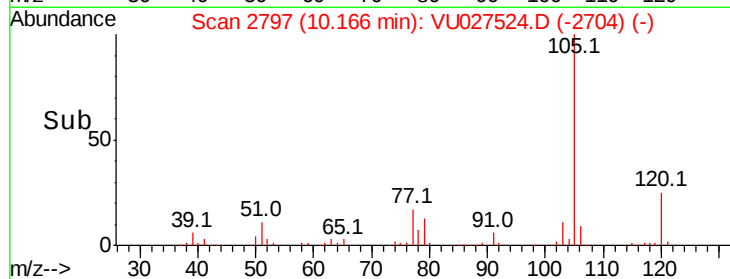
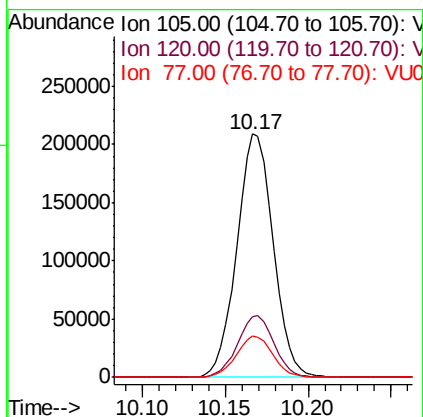
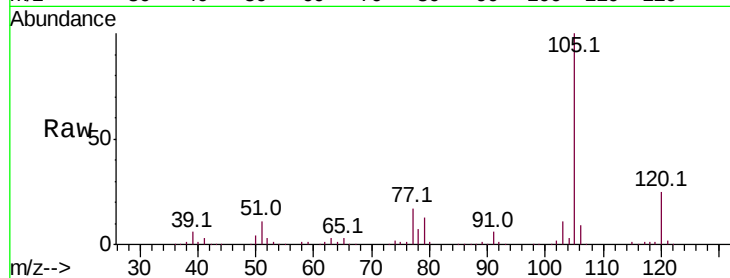
Tot Ion:105 Resp: 320093

Ion Ratio Lower Upper

105 100

120 25.3 20.6 30.8

77 17.0 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 53.129 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

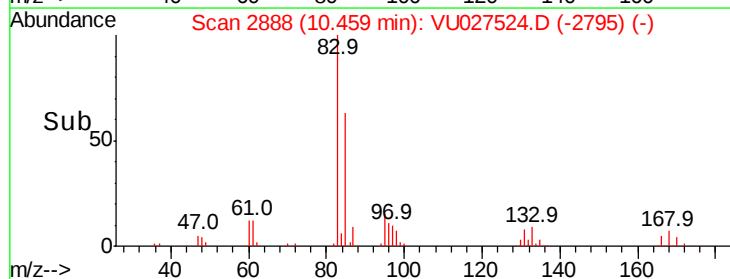
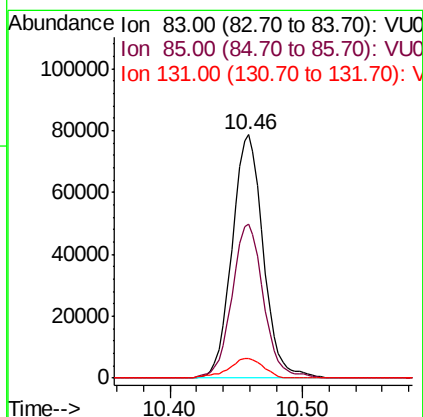
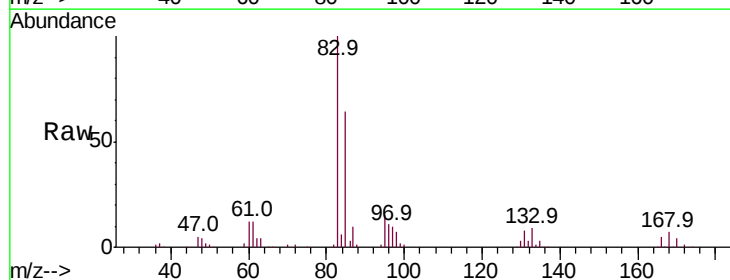
Tgt Ion: 83 Resp: 128661

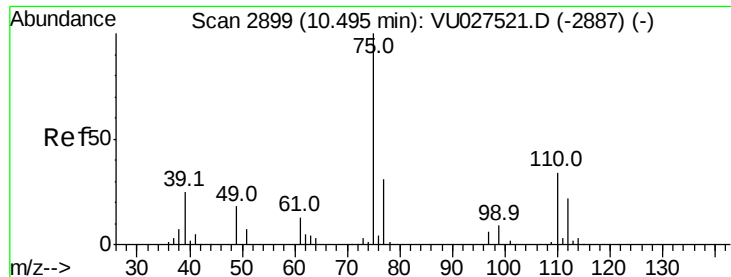
Ion Ratio Lower Upper

83 100

85 63.5 45.2 84.0

131 8.1 6.7 10.1

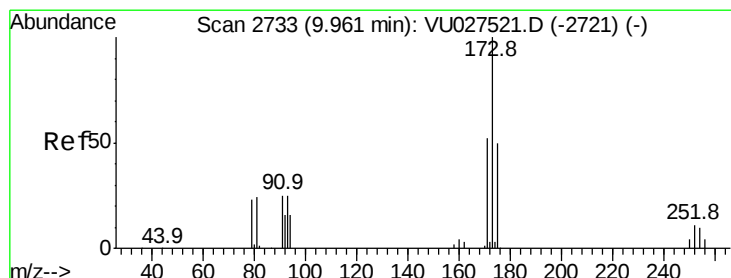
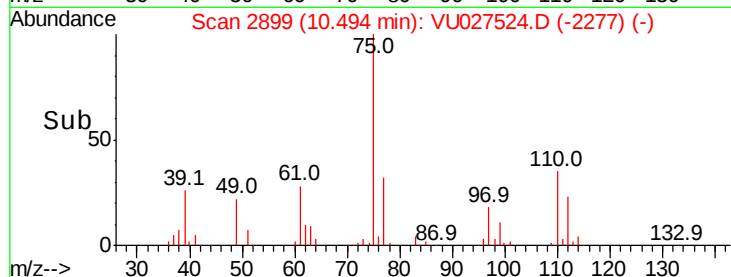
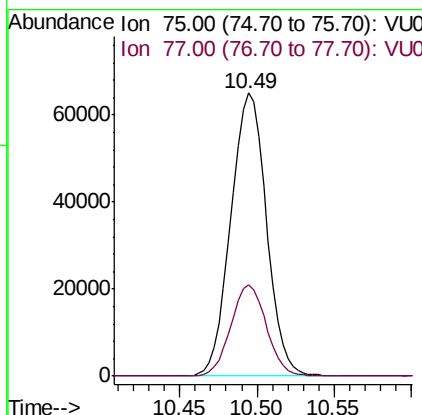
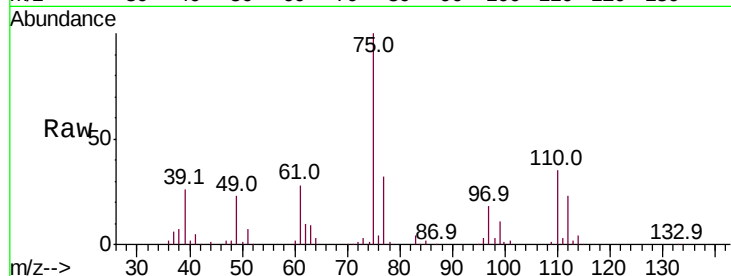




#59
 1,2,3-Trichloropropane
 Concen: 53.481 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

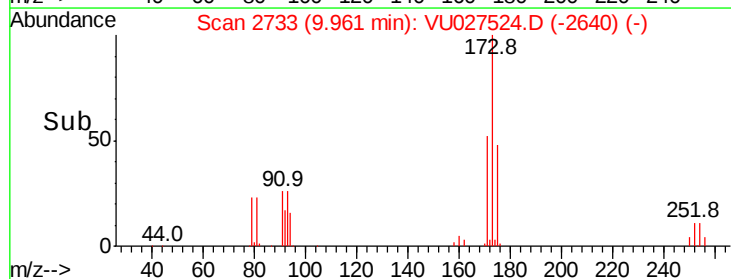
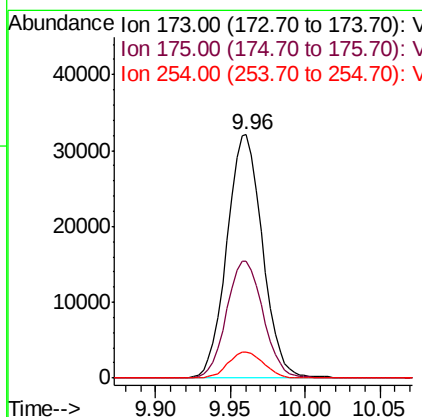
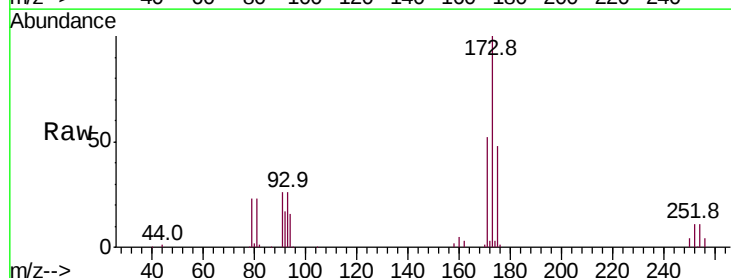
Instrument :
 MSVOA_U
 ClientSampleId :

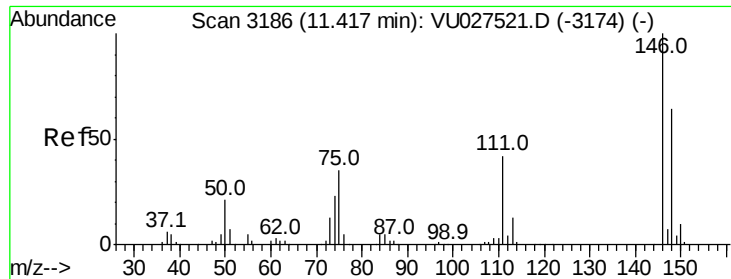
Tot Ion: 75 Resp: 104250
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5



#61
 Bromoform
 Concen: 53.186 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

Tgt Ion:173 Resp: 53211
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.0 58.4
 254 10.6 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 47.803 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

ClientSampled :

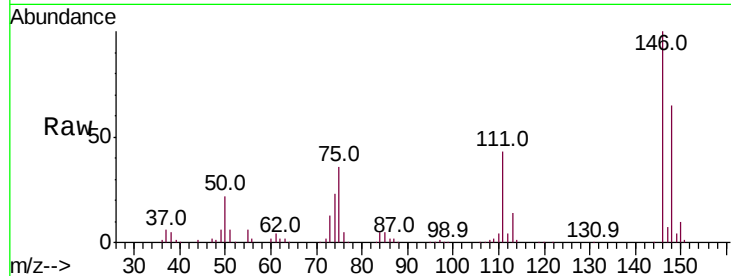
Tot Ion:146 Resp: 130999

Ion Ratio Lower Upper

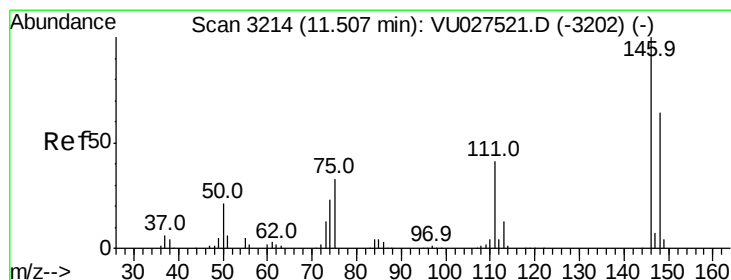
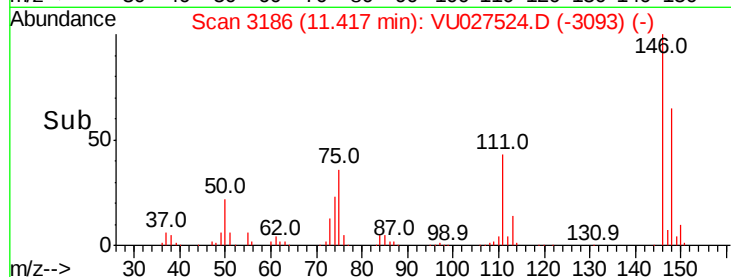
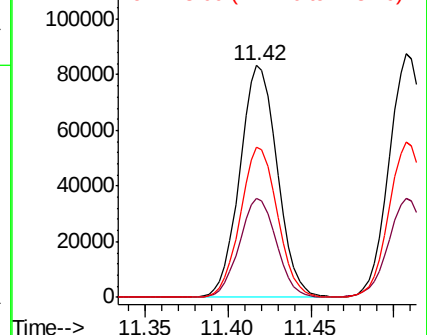
146 100

111 42.7 29.0 53.8

148 64.8 45.4 84.2



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: 47.848 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

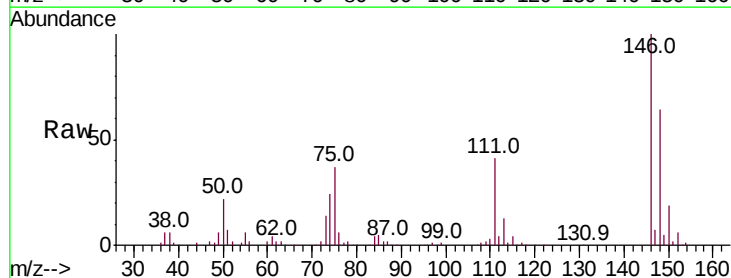
Tgt Ion:146 Resp: 136773

Ion Ratio Lower Upper

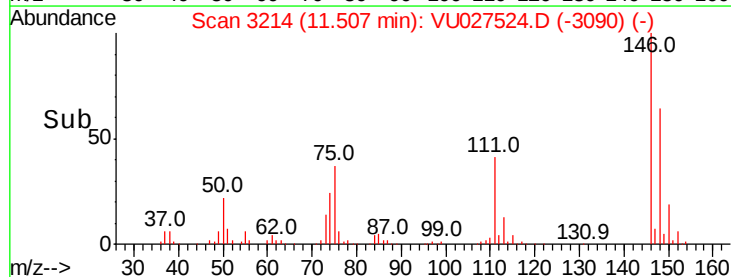
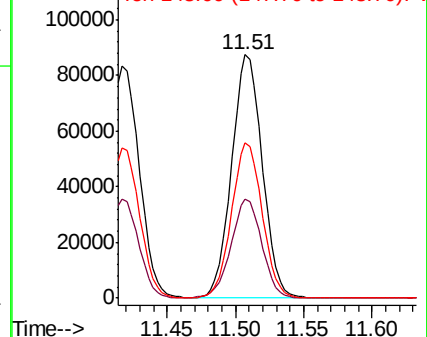
146 100

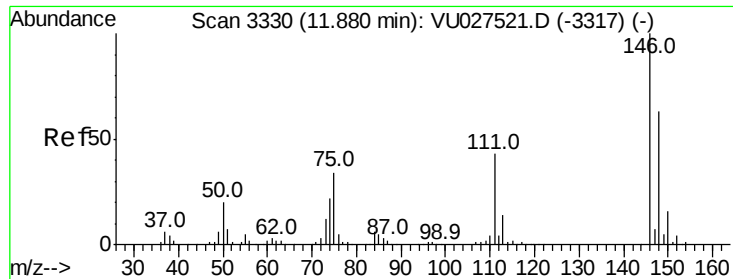
111 40.8 28.1 52.1

148 63.7 44.4 82.5



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: 50.364 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

ClientSampled :

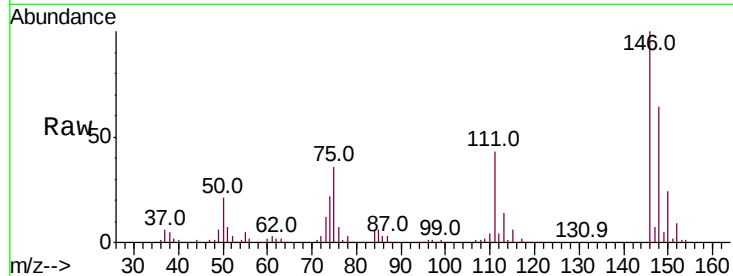
Tot Ion:146 Resp: 140497

Ion Ratio Lower Upper

146 100

111 42.7 34.9 52.3

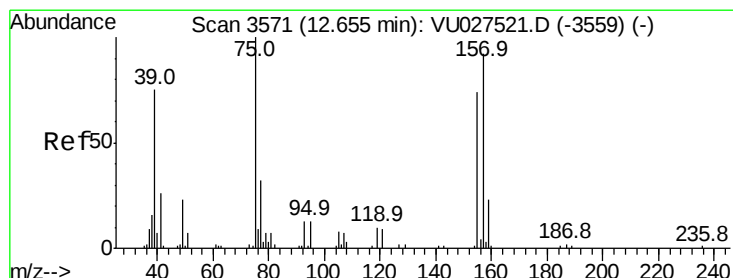
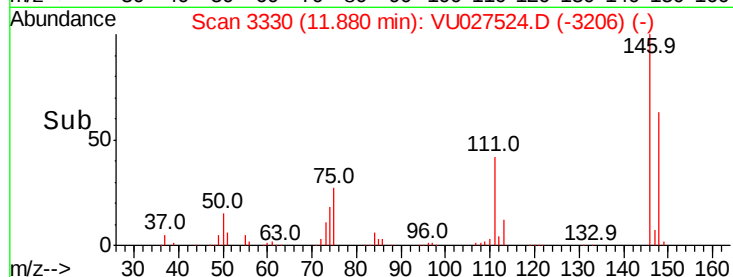
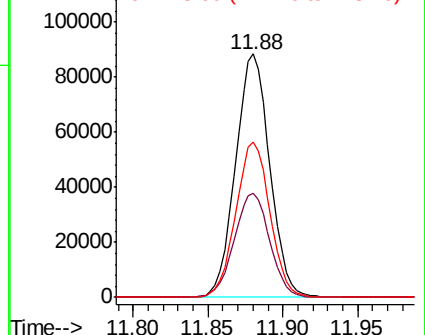
148 63.7 51.6 77.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.268 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

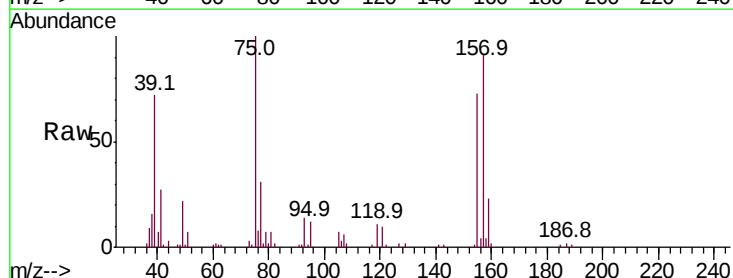
Tgt Ion: 75 Resp: 27030

Ion Ratio Lower Upper

75 100

155 73.3 61.0 91.6

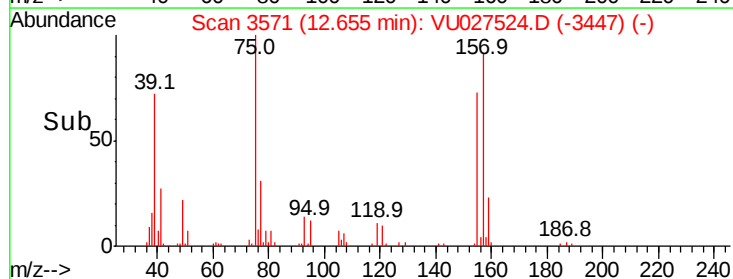
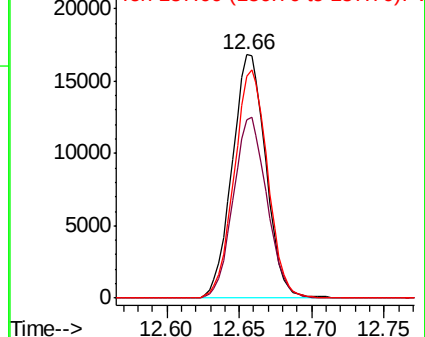
157 90.9 77.8 116.8

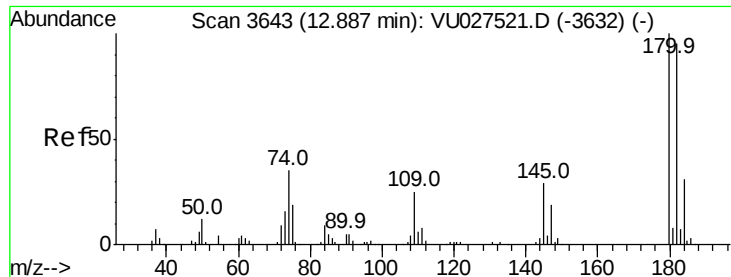


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

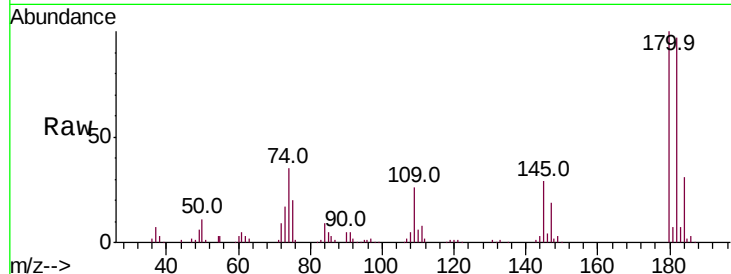




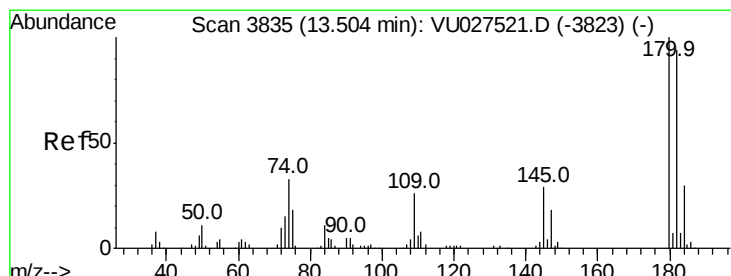
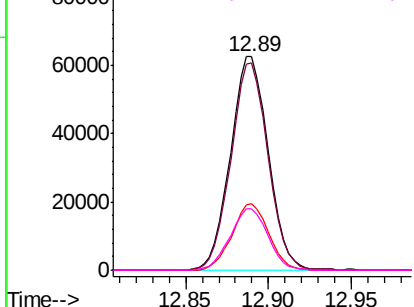
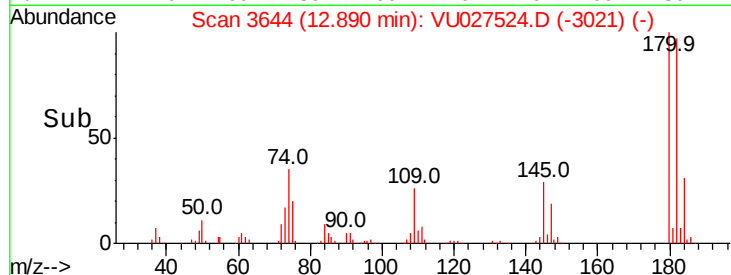
#67
 1,3,5-Trichlorobenzene
 Concen: 46.799 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 99086
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.7 115.1
 184 30.2 24.5 36.7
 145 28.6 23.8 35.8

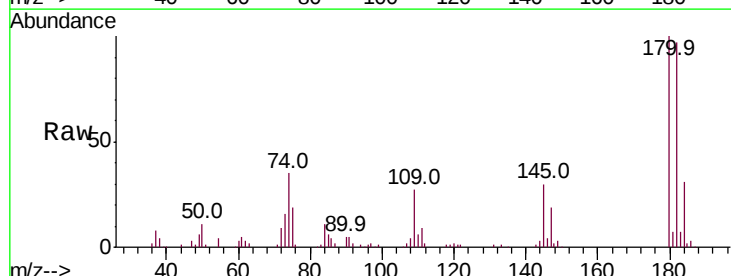


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

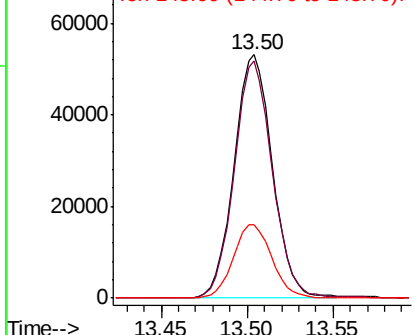
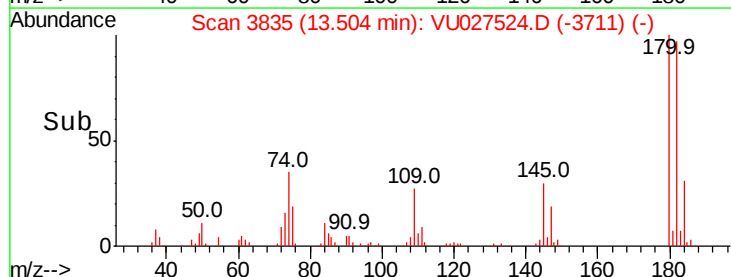


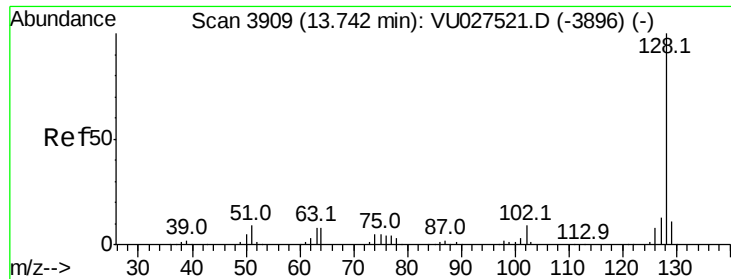
#68
 1,2,4-trichlorobenzene
 Concen: 42.416 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027524.D
 Acq: 09 Oct 2018 13:10

Tgt Ion:180 Resp: 82587
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.3 114.5
 145 30.2 24.2 36.2



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





#69

Naphthalene

Concen: 49.122 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

Instrument :

MSVOA_U

ClientSampleId :

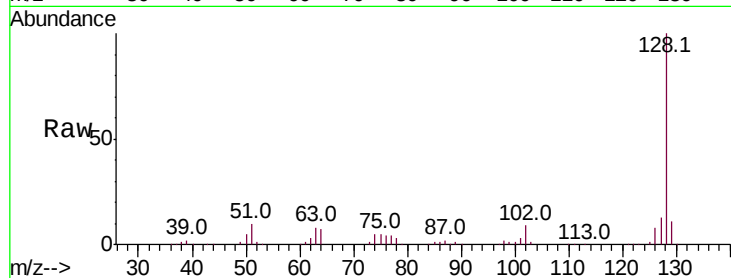
Tot Ion:128 Resp: 294917

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

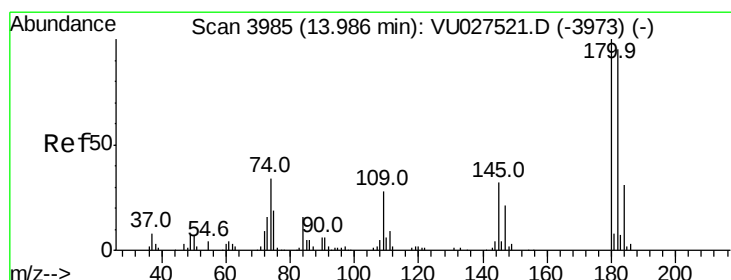
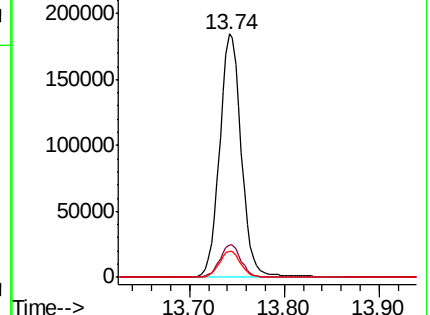
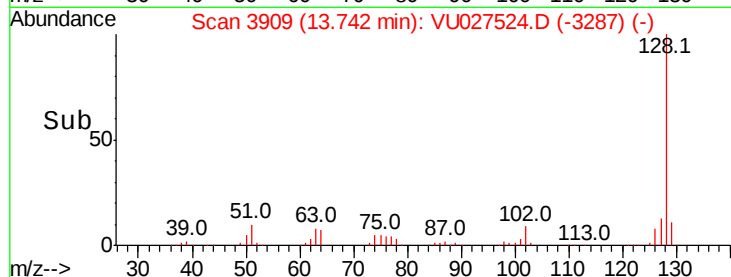
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.257 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027524.D

Acq: 09 Oct 2018 13:10

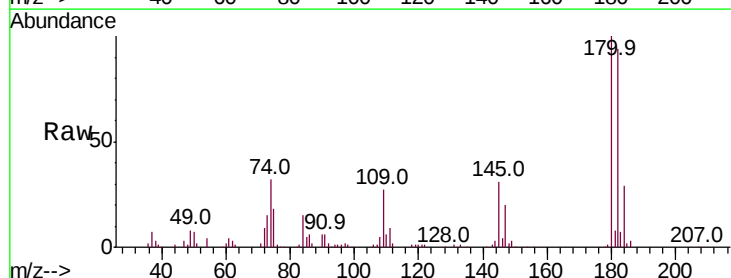
Tgt Ion:180 Resp: 93569

Ion Ratio Lower Upper

180 100

182 94.6 77.4 116.0

145 31.5 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

