

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030692.D
 Acq On : 04 Apr 2019 18:36
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV51

Quant Time: Apr 05 02:00:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	542540	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	525294	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	247320	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	219520	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.66%
7) Chloroethane-d5	1.68	69	166764	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.74%
11) 1,1-Dichloroethene-d2	2.27	63	414788	47.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.70%
21) 2-Butanone-d5	4.17	46	364252	94.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.90%
24) Chloroform-d	4.64	84	352821	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
26) 1,2-Dichloroethane-d4	5.30	65	223902	44.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.70%
32) Benzene-d6	5.33	84	706305	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
36) 1,2-Dichloropropane-d6	6.32	67	242318	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.22%
41) Toluene-d8	7.56	98	648500	47.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.42%
43) trans-1,3-Dichloropropene-	7.85	79	110192	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.96%
47) 2-Hexanone-d5	8.31	63	233635	97.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	327552	46.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.42%
64) 1,2-Dichlorobenzene-d4	11.85	152	224334	46.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	247106	51.851	ug/L 100
3) Chloromethane	1.32	50	306774	49.766	ug/L 99
5) Vinyl chloride	1.40	62	300853	50.419	ug/L 94
6) Bromomethane	1.62	94	162006	52.404	ug/L 99
8) Chloroethane	1.69	64	174894	51.389	ug/L 98
9) Trichlorofluoromethane	1.88	101	360492	51.848	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	199576	51.373	ug/L 99
12) 1,1-Dichloroethene	2.28	96	196474	52.389	ug/L 95
13) Acetone	2.32	43	405008	103.113	ug/L 99
14) Carbon disulfide	2.47	76	619827	53.202	ug/L 100
15) Methyl Acetate	2.61	43	320151	52.570	ug/L 98
16) Methylene chloride	2.69	84	228528	50.161	ug/L 95
17) trans-1,2-Dichloroethene	2.97	96	205816	51.686	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	682380	51.158	ug/L 99
19) 1,1-Dichloroethane	3.44	63	421481	51.289	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	230434	52.409	ug/L 99
22) 2-Butanone	4.25	43	503828	109.403	ug/L 96

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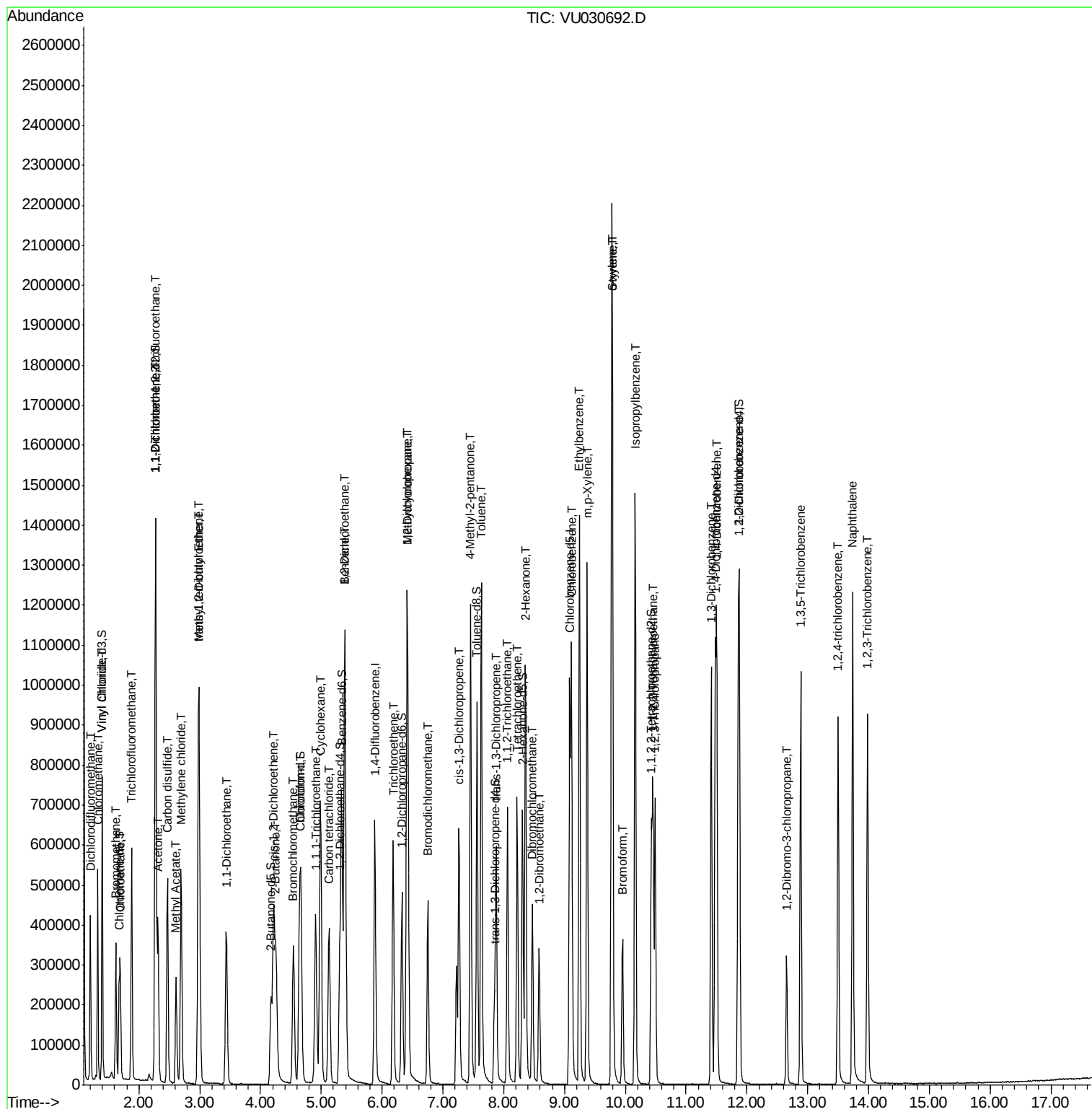
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	108993	52.434	uq/L	96
25) Chloroform	4.67	83	409677	49.602	uq/L	99
27) 1,2-Dichloroethane	5.40	62	318850	50.581	uq/L	98
29) Cyclohexane	4.99	56	404930	54.085	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	330948	51.697	uq/L	100
31) Carbon tetrachloride	5.13	117	286294	51.897	uq/L	98
33) Benzene	5.38	78	900464	52.383	uq/L	100
34) Trichloroethene	6.18	95	220572	52.316	uq/L	99
35) Methylcyclohexane	6.41	83	355123	54.579	uq/L	99
37) 1,2-Dichloropropane	6.42	63	254923	52.372	uq/L	99
38) Bromodichloromethane	6.75	83	306347	52.171	uq/L	96
39) cis-1,3-Dichloropropene	7.26	75	375926	54.261	uq/L	98
40) 4-Methyl-2-pentanone	7.45	43	847975	108.335	uq/L	99
42) Toluene	7.63	91	927188	52.841	uq/L	100
44) trans-1,3-Dichloropropene	7.87	75	329633	53.989	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	217413	52.666	uq/L	96
46) Tetrachloroethene	8.22	164	157554	51.400	uq/L	95
48) 2-Hexanone	8.36	43	695783	113.936	uq/L	99
49) Dibromochloromethane	8.47	129	227174	51.862	uq/L	99
50) 1,2-Dibromoethane	8.58	107	229942	51.475	uq/L	99
51) Chlorobenzene	9.12	112	565751	52.570	uq/L	99
52) Ethylbenzene	9.24	91	1019080	53.281	uq/L	98
53) m,p-Xylene	9.37	106	371953	55.759	uq/L	99
54) o-xylene	9.77	106	359575	54.192	uq/L	98
55) Styrene	9.79	104	622781	54.720	uq/L	99
56) Isopropylbenzene	10.16	105	955573	54.699	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	386051	51.702	uq/L	100
59) 1,2,3-Trichloropropane	10.49	75	302220	51.842	uq/L	98
61) Bromoform	9.95	173	167110	51.148	uq/L	98
62) 1,3-Dichlorobenzene	11.41	146	410068	52.461	uq/L	98
63) 1,4-Dichlorobenzene	11.50	146	414593	52.145	uq/L	98
65) 1,2-Dichlorobenzene	11.87	146	406140	51.799	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	85703	51.418	uq/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	308748	54.048	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	279435	57.533	uq/L	99
69) Naphthalene	13.74	128	975864	61.979	uq/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	283200	55.808	uq/L	98

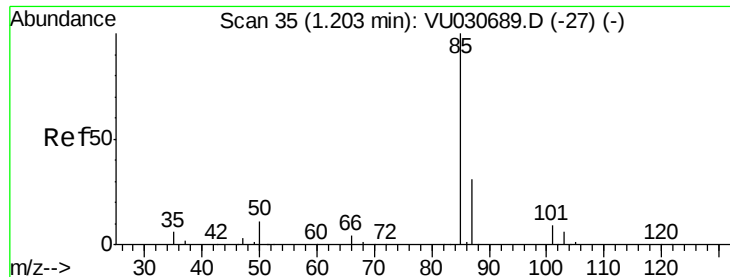
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.851 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

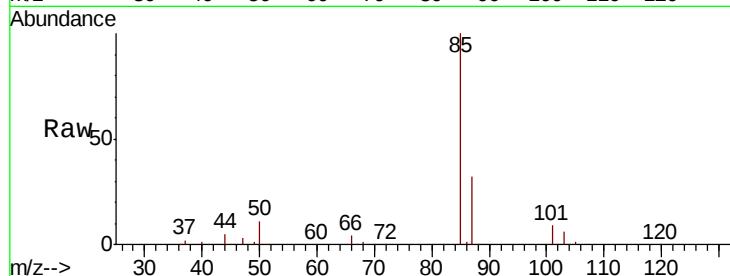
VICV51

Tot Ion: 85 Resp: 247106

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU030689.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030689.D (-27) (-)

1.20

250000

200000

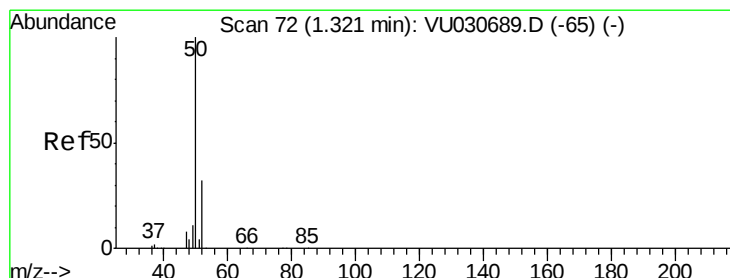
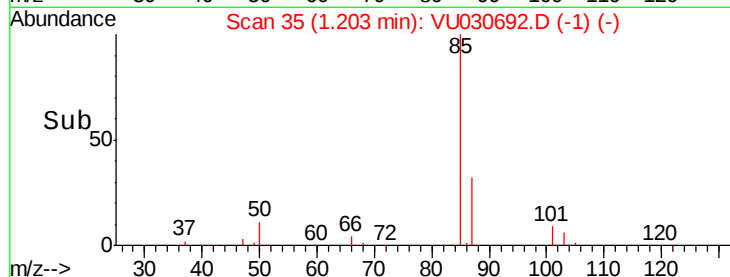
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.766 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU030692.D

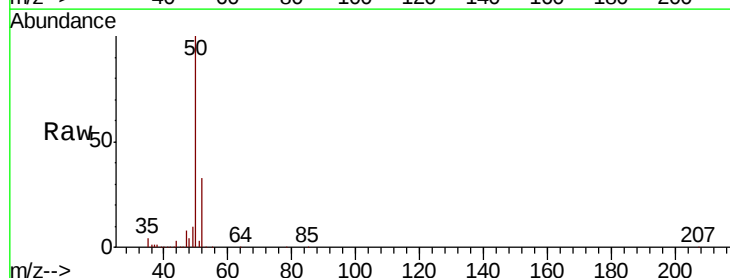
Acq: 04 Apr 2019 18:36

Tgt Ion: 50 Resp: 306774

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU030689.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU030689.D (-65) (-)

1.32

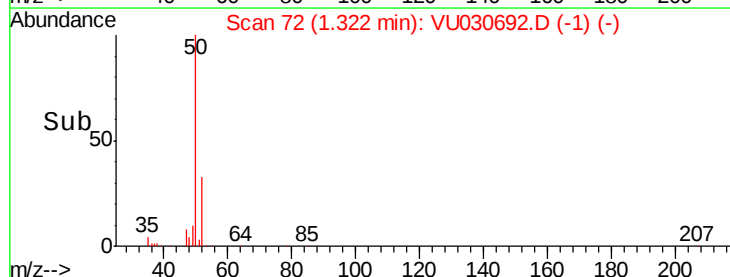
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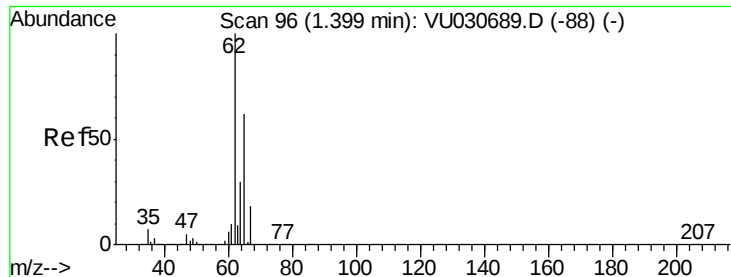
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 50.419 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

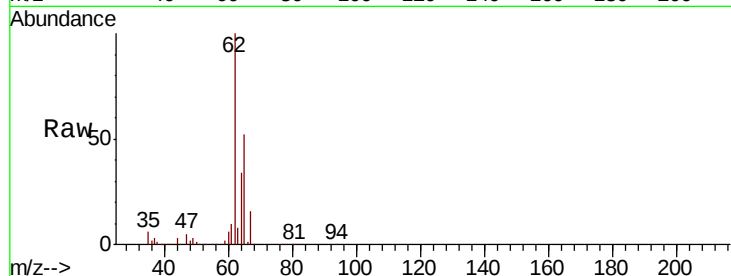
VICV51

Tot Ion: 62 Resp: 300853

Ion Ratio Lower Upper

62 100

64 34.1 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VU030689.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU030689.D (-88) (-)

1.40

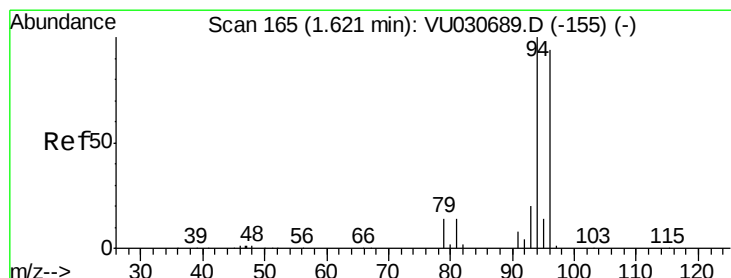
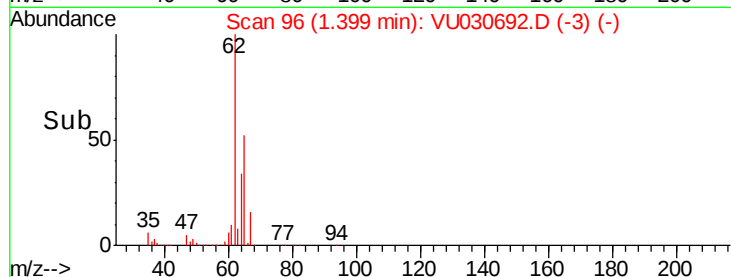
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 52.404 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU030692.D

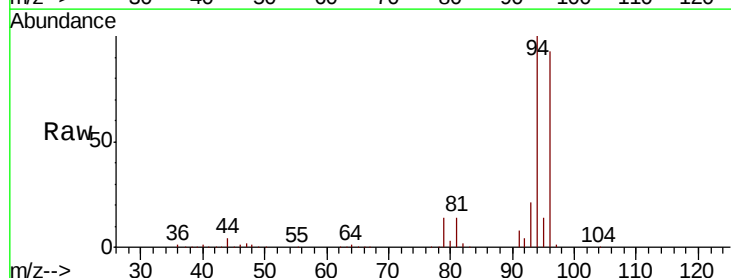
Acq: 04 Apr 2019 18:36

Tgt Ion: 94 Resp: 162006

Ion Ratio Lower Upper

94 100

96 93.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU030689.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU030689.D (-155) (-)

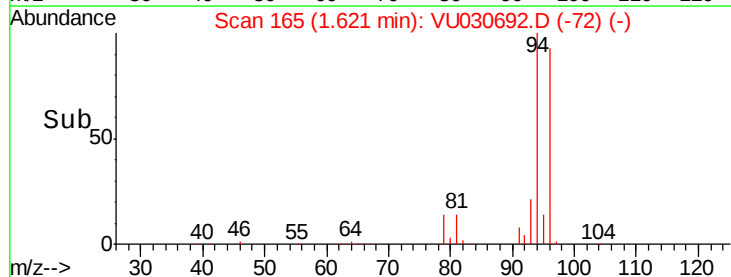
1.62

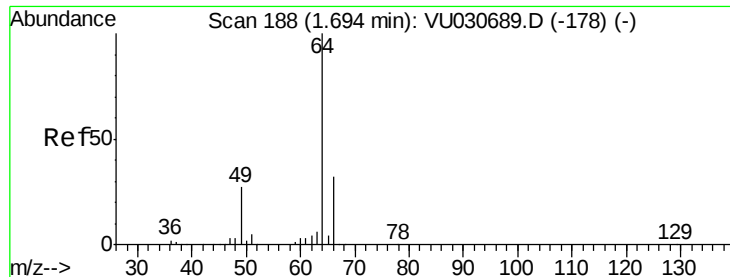
100000

50000

0

Time-->





#8

Chloroethane

Concen: 51.389 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

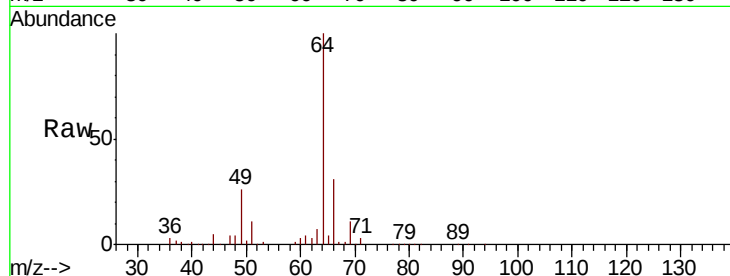
VICV51

Tot Ion: 64 Resp: 174894

Ion Ratio Lower Upper

64 100

66 30.8 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU030689.D

Ion 66.00 (65.70 to 66.70): VU030689.D

1.69

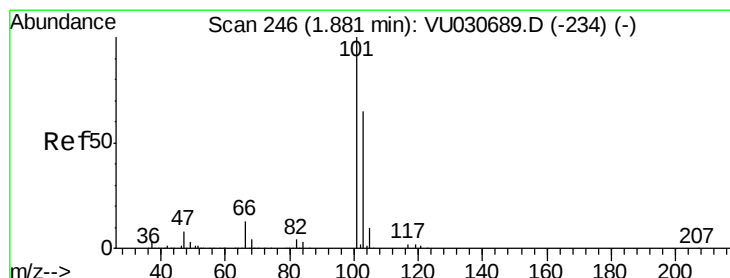
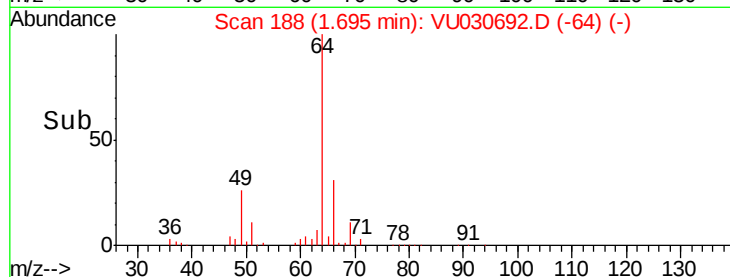
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.848 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU030692.D

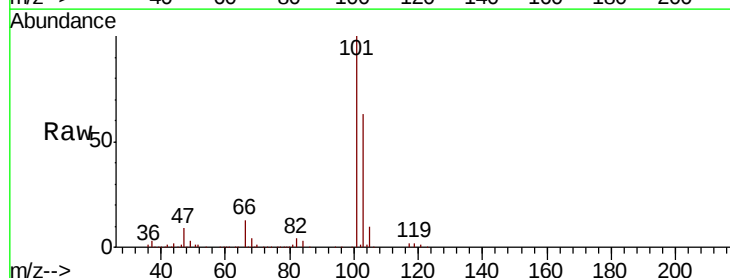
Acq: 04 Apr 2019 18:36

Tgt Ion:101 Resp: 360492

Ion Ratio Lower Upper

101 100

103 63.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU030689.D

Ion 103.00 (102.70 to 103.70): VU030689.D

1.88

300000

250000

200000

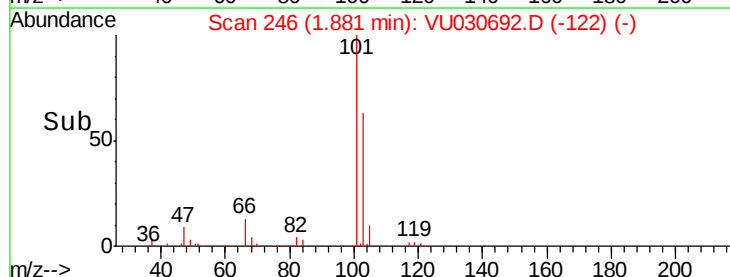
150000

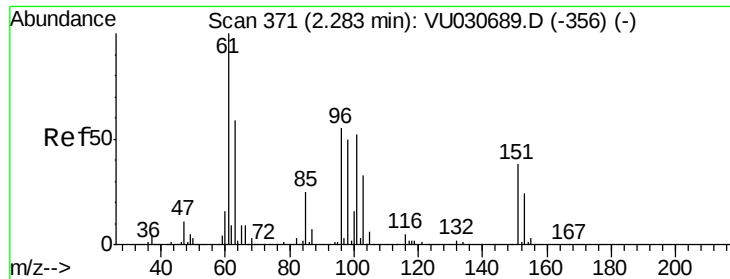
100000

50000

0

Time-->





#10

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

Concen: 51.373 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

VICV51

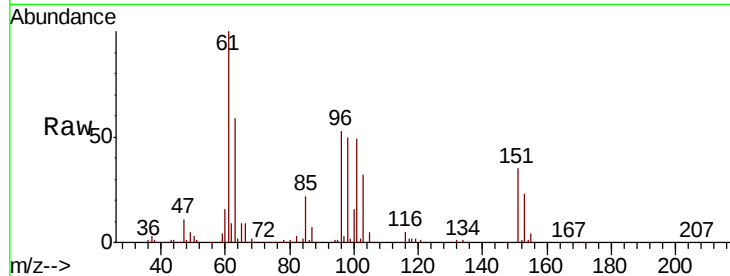
Tot Ion:101 Resp: 199576

Ion Ratio Lower Upper

101 100

85 45.2 36.8 55.2

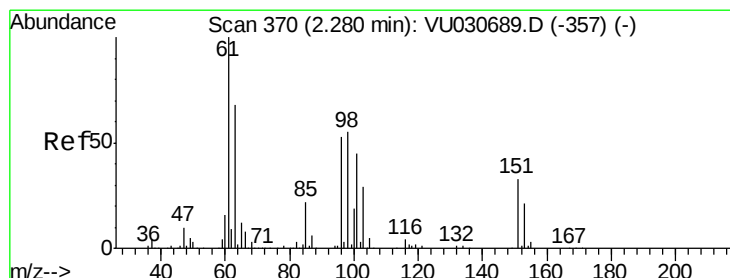
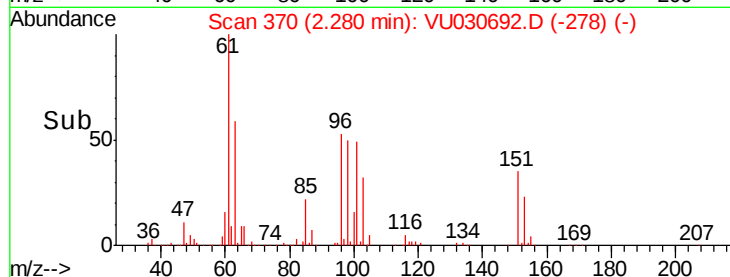
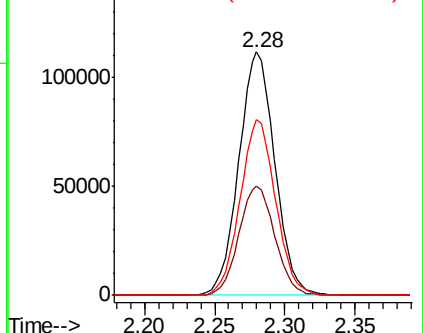
151 71.4 57.4 86.0



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: 52.389 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

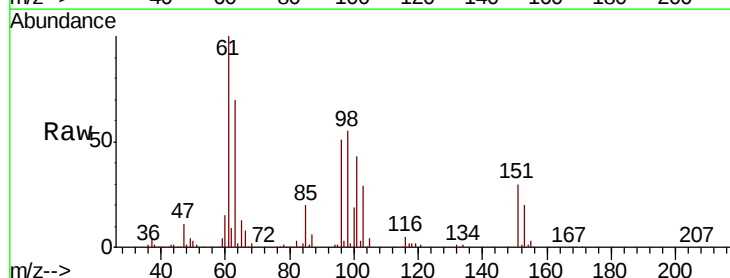
Tgt Ion: 96 Resp: 196474

Ion Ratio Lower Upper

96 100

61 194.4 132.0 245.2

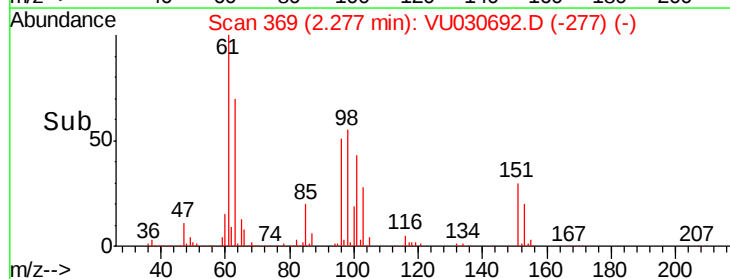
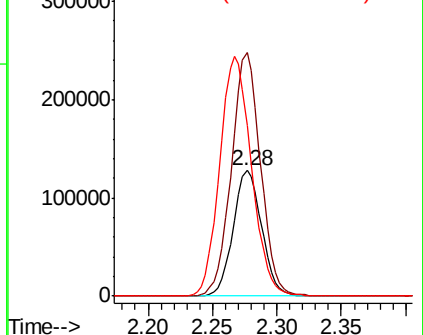
63 136.2 90.9 168.9

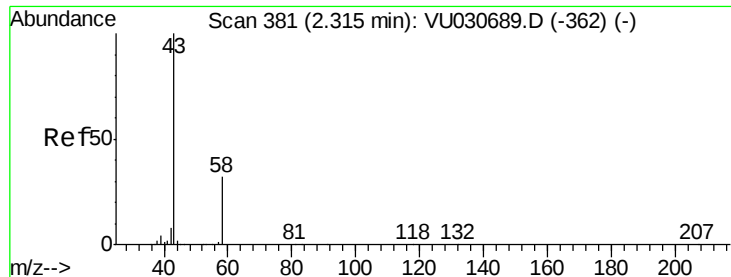


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.113 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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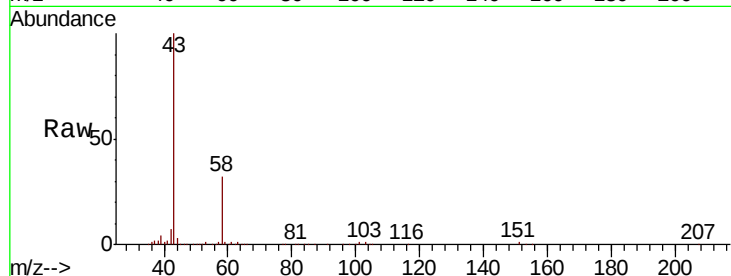
VICV51

Tot Ion: 43 Resp: 405008

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030689.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030689.D (-362) (-)

2.32

250000

200000

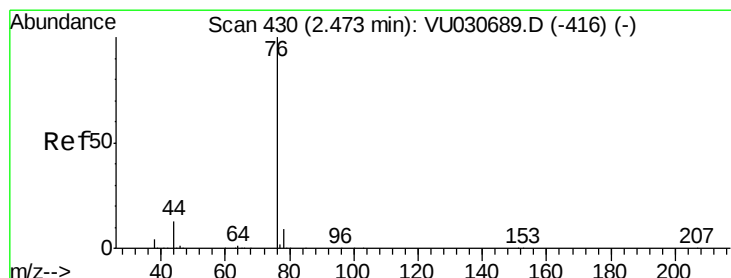
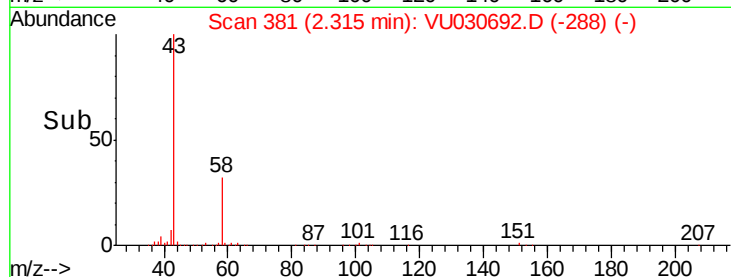
150000

100000

50000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 53.202 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU030692.D

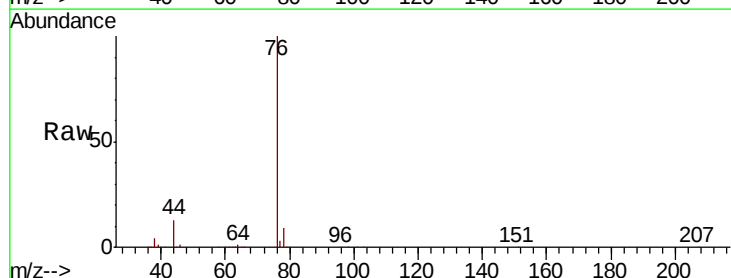
Acq: 04 Apr 2019 18:36

Tgt Ion: 76 Resp: 619827

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU030689.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030689.D (-416) (-)

2.47

400000

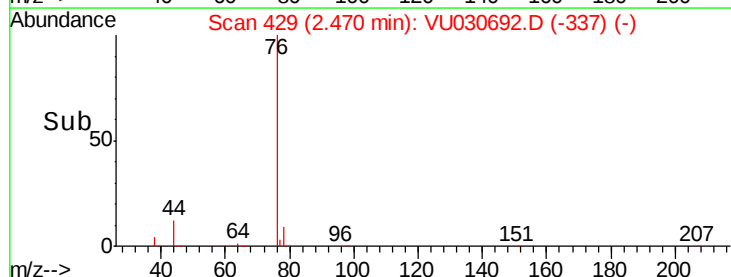
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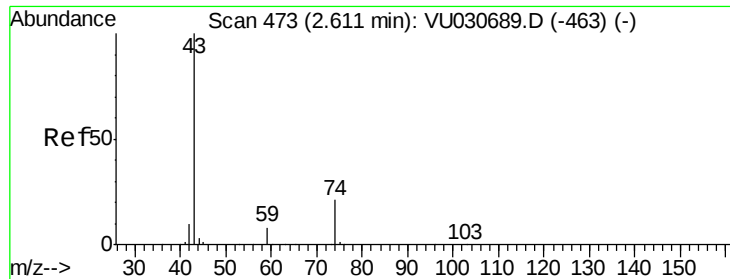
200000

100000

0

Time--> 2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 52.570 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampled :

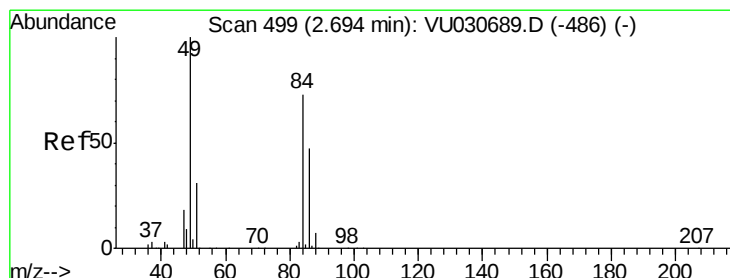
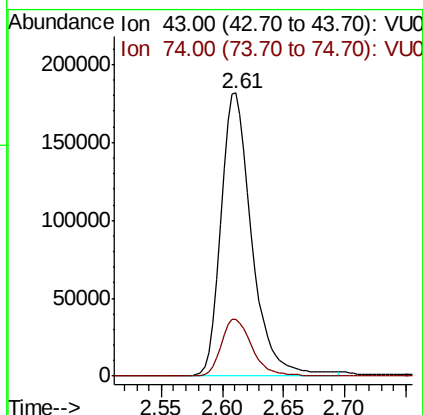
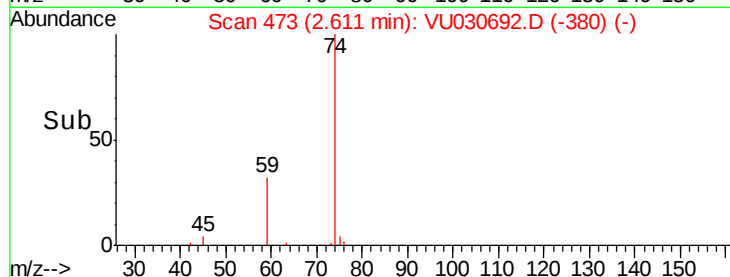
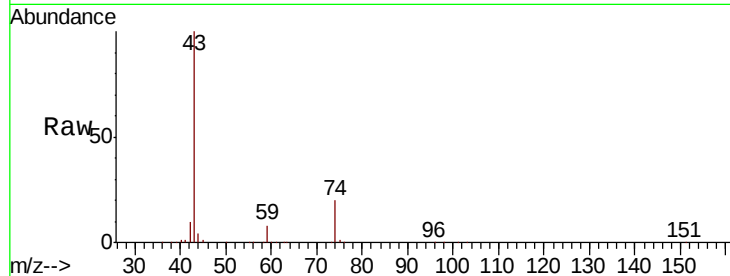
VICV51

Tot Ion: 43 Resp: 320151

Ion Ratio Lower Upper

43 100

74 20.2 17.1 25.7



#16

Methylene chloride

Concen: 50.161 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

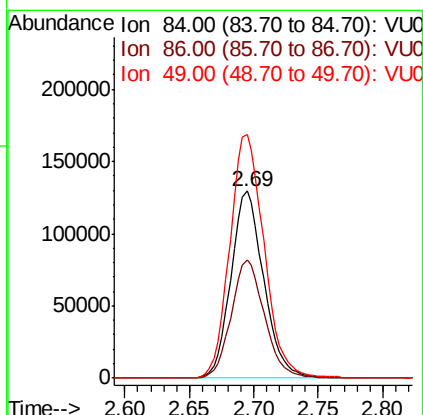
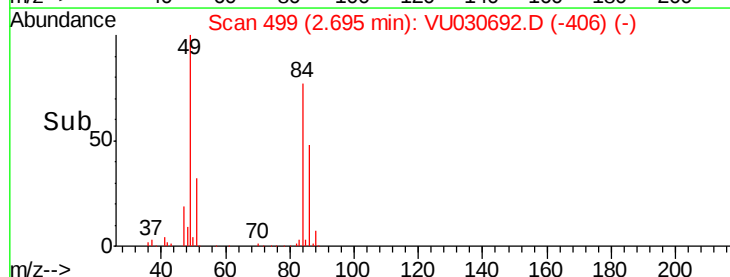
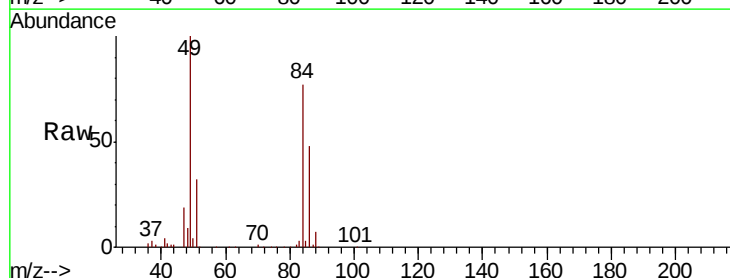
Tgt Ion: 84 Resp: 228528

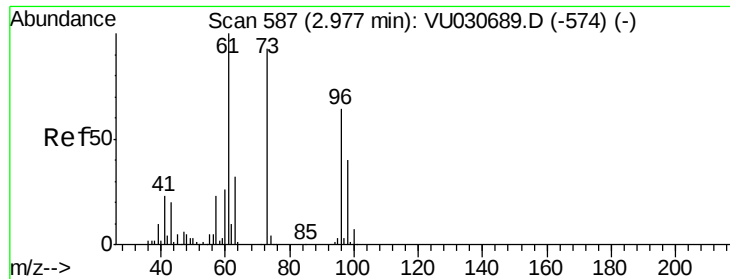
Ion Ratio Lower Upper

84 100

86 63.1 45.1 83.7

49 130.4 96.5 179.1

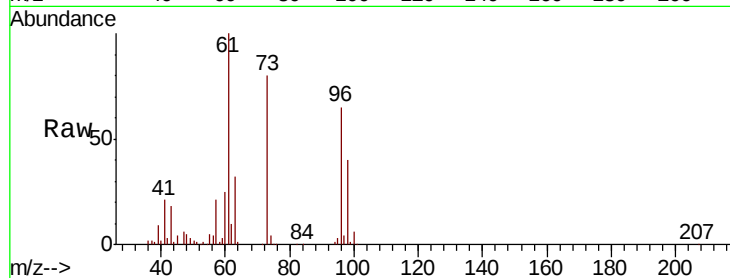




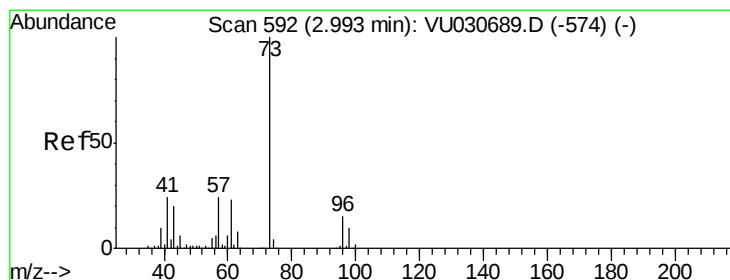
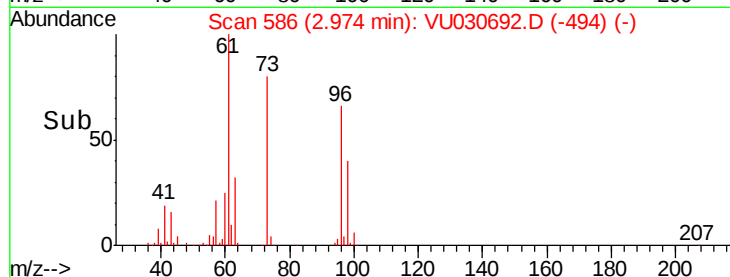
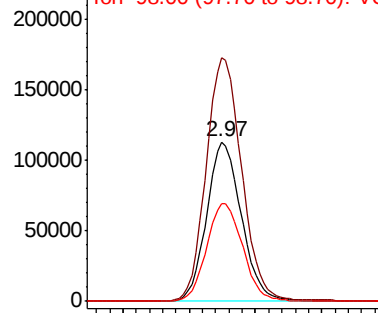
#17
trans-1,2-Dichloroethene
Concen: 51.686 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU030692.D
Acq: 04 Apr 2019 18:36

Instrument :
MSVOA_U
ClientSampleId :
VICV51

Tot Ion: 96 Resp: 205816
Ion Ratio Lower Upper
96 100
61 152.8 109.5 203.3
98 61.5 44.0 81.6

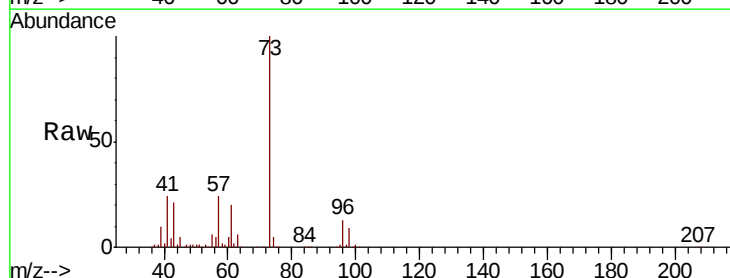


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

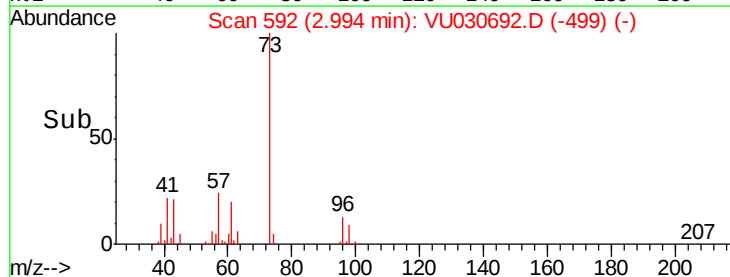
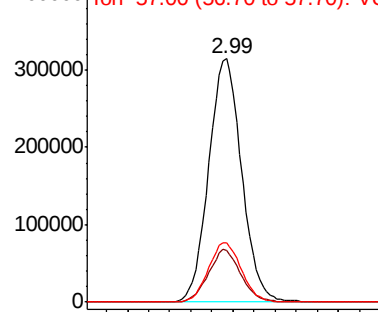


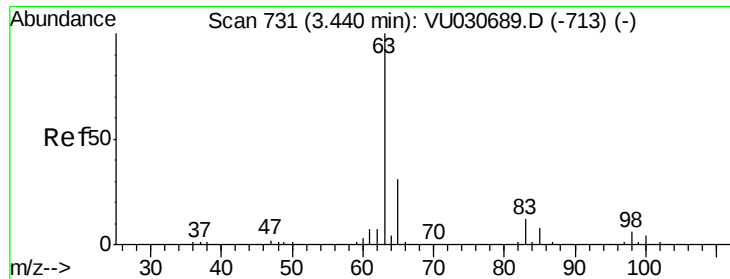
#18
Methyl tert-butyl Ether
Concen: 51.158 ug/L
RT: 2.99 min Scan# 592
Delta R.T. 0.00 min
Lab File: VU030692.D
Acq: 04 Apr 2019 18:36

Tgt Ion: 73 Resp: 682380
Ion Ratio Lower Upper
73 100
43 20.9 16.4 24.6
57 24.3 19.0 28.4



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

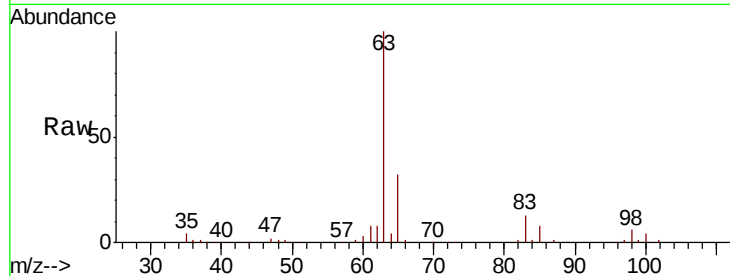




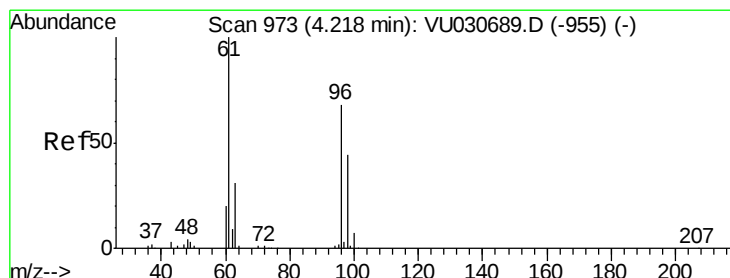
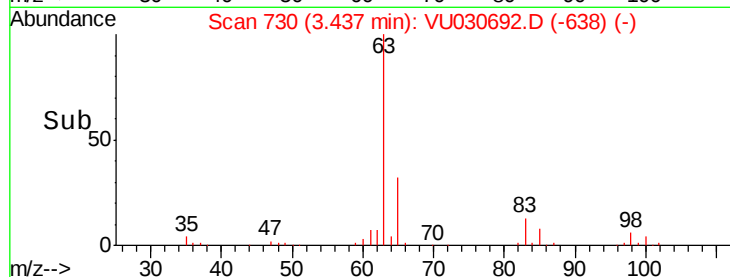
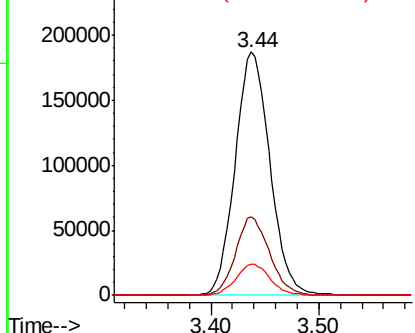
#19
 1,1-Dichloroethane
 Concen: 51.289 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV51

Tot Ion: 63 Resp: 421481
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.4 39.8
 83 12.9 8.5 15.7

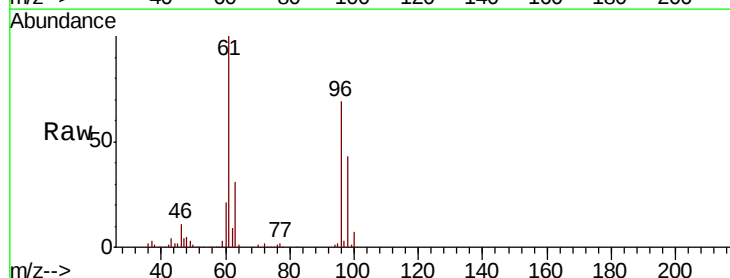


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

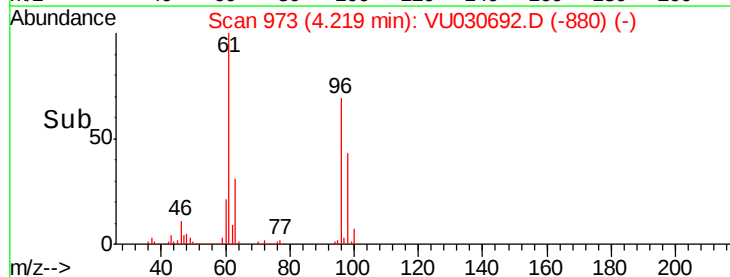
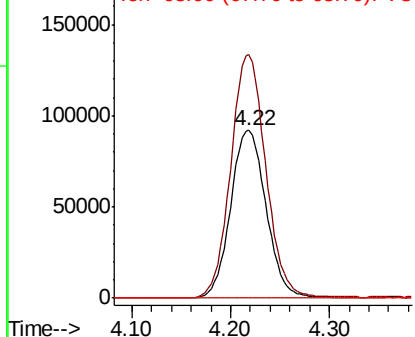


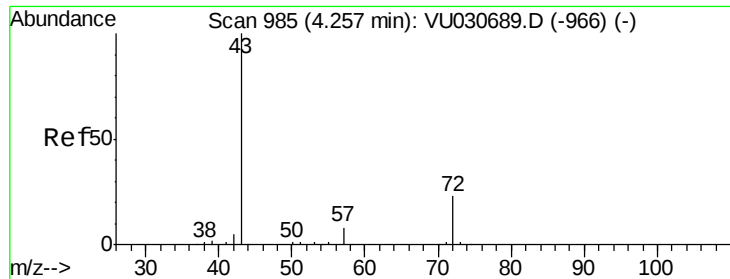
#20
 cis-1,2-Dichloroethene
 Concen: 52.409 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

Tgt Ion: 96 Resp: 230434
 Ion Ratio Lower Upper
 96 100
 61 145.3 102.9 191.1
 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: 109.403 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

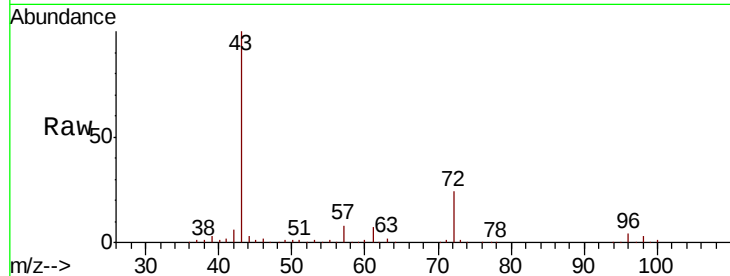
VICV51

Tot Ion: 43 Resp: 503828

Ion Ratio Lower Upper

43 100

72 23.4 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VU030689.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU030689.D (-966) (-)

4.25

200000

150000

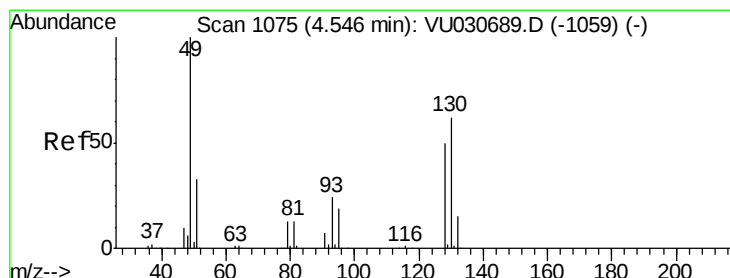
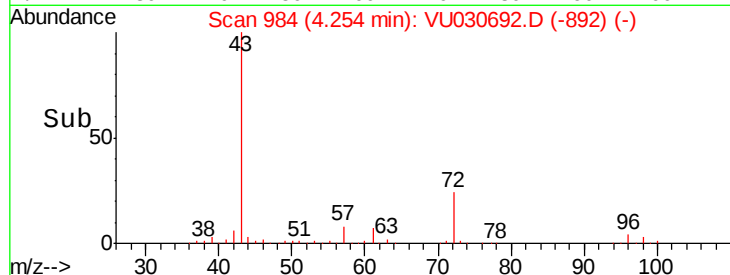
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 52.434 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Tgt Ion: 128 Resp: 108993

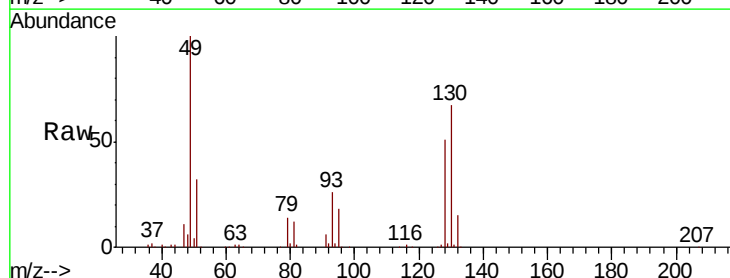
Ion Ratio Lower Upper

128 100

49 194.4 139.9 259.7

130 130.0 86.6 160.8

51 62.2 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU030689.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU030689.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU030689.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU030689.D (-1059) (-)

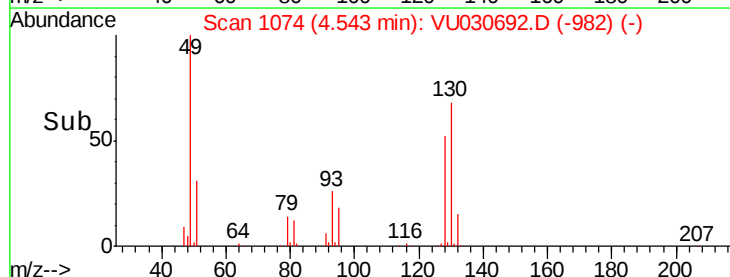
100000

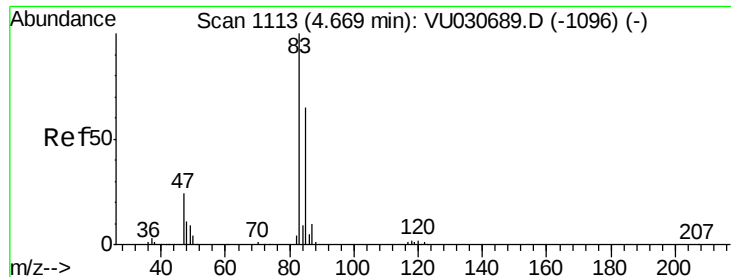
50000

0

4.45 4.50 4.55 4.60

Time-->





#25

Chloroform

Concen: 49.602 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

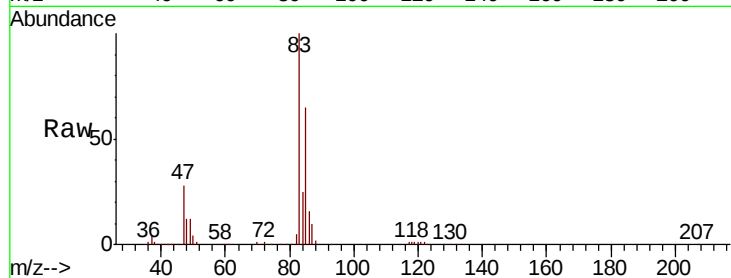
VICV51

Tot Ion: 83 Resp: 409677

Ion Ratio Lower Upper

83 100

85 64.9 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU030689.D (-1096) (-)

Ion 85.00 (84.70 to 85.70): VU030689.D (-1096) (-)

200000

150000

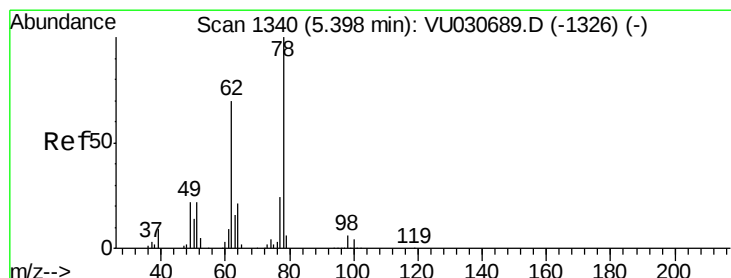
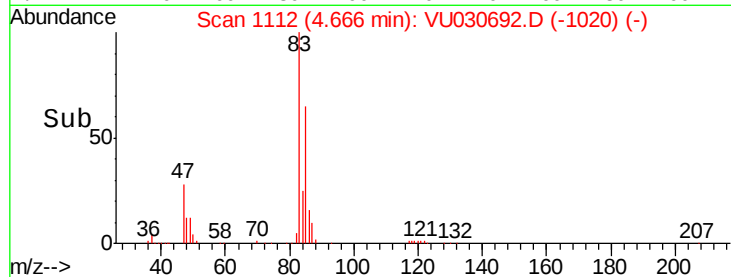
100000

50000

0

4.55 4.60 4.65 4.70 4.75

Time-->



#27

1,2-Dichloroethane

Concen: 50.581 ug/L

RT: 5.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VU030692.D

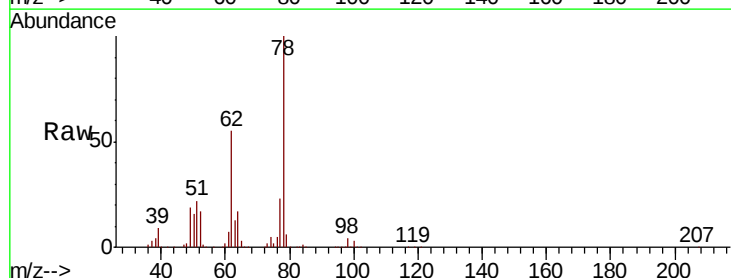
Acq: 04 Apr 2019 18:36

Tgt Ion: 62 Resp: 318850

Ion Ratio Lower Upper

62 100

98 8.1 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU030689.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU030689.D (-1326) (-)

150000

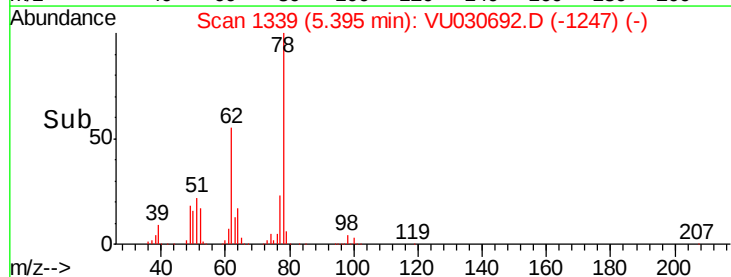
100000

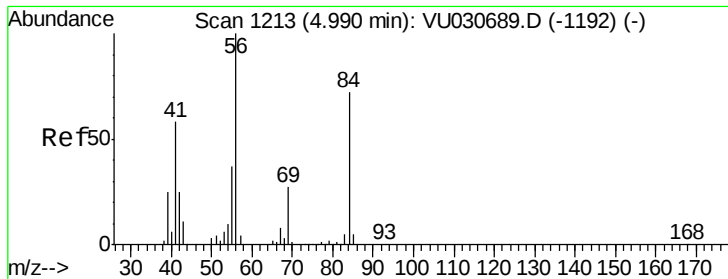
50000

0

5.30 5.40 5.50

Time-->

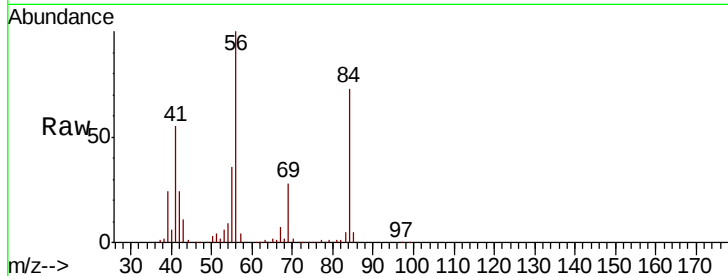




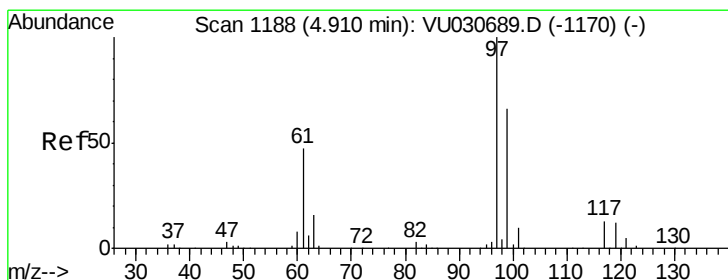
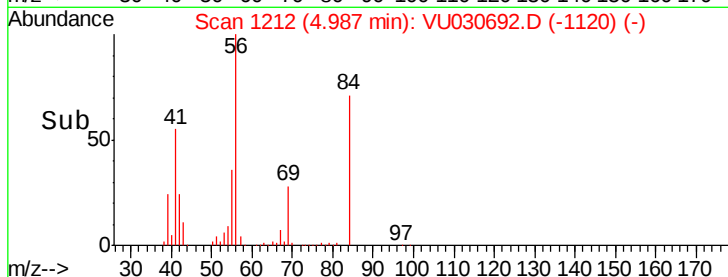
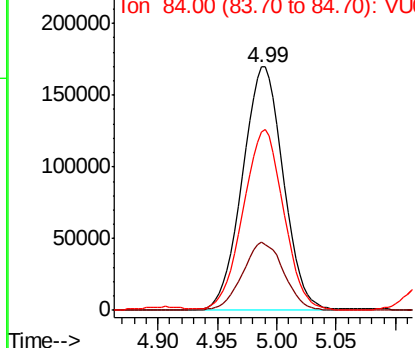
#29
Cyclohexane
Concen: 54.085 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU030692.D
Acq: 04 Apr 2019 18:36

Instrument :
MSVOA_U
ClientSampleId :
VICV51

Tot Ion: 56 Resp: 404930
Ion Ratio Lower Upper
56 100
69 28.1 22.0 33.0
84 73.0 58.2 87.2

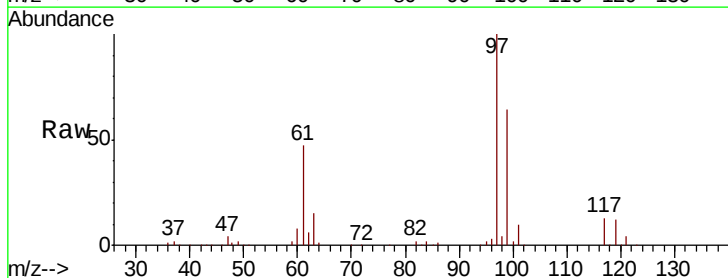


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

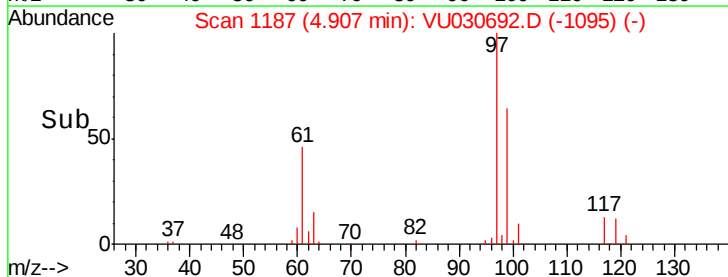
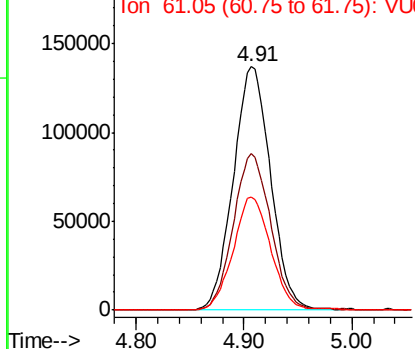


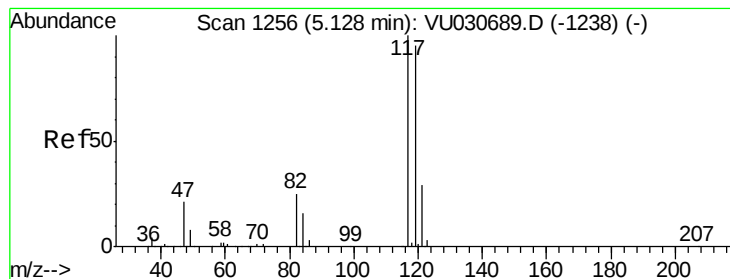
#30
1,1,1-Trichloroethane
Concen: 51.697 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030692.D
Acq: 04 Apr 2019 18:36

Tgt Ion: 97 Resp: 330948
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 46.7 37.1 55.7



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: 51.897 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

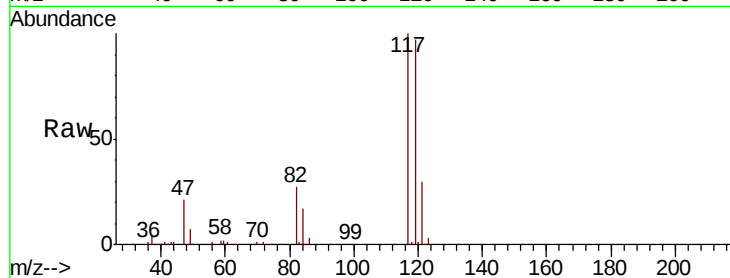
VICV51

Tot Ion:117 Resp: 286294

Ion Ratio Lower Upper

117 100

119 97.0 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

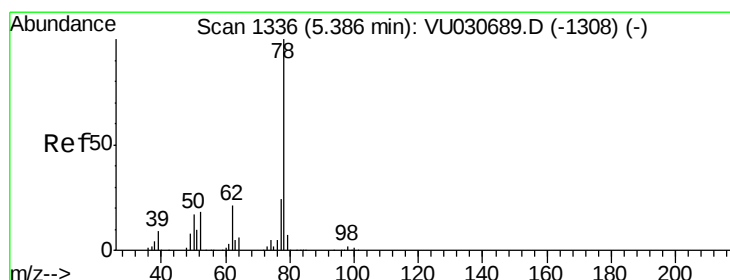
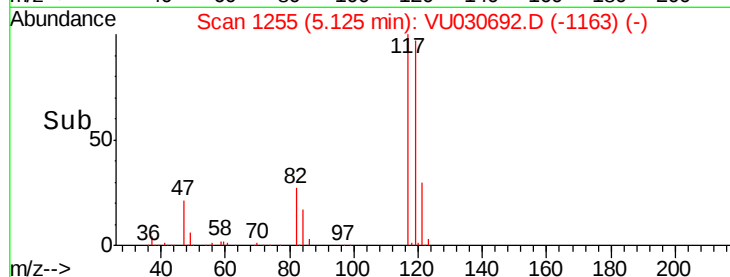
5.13

100000

50000

0

Time--> 5.00 5.05 5.10 5.15 5.20



#33

Benzene

Concen: 52.383 ug/L

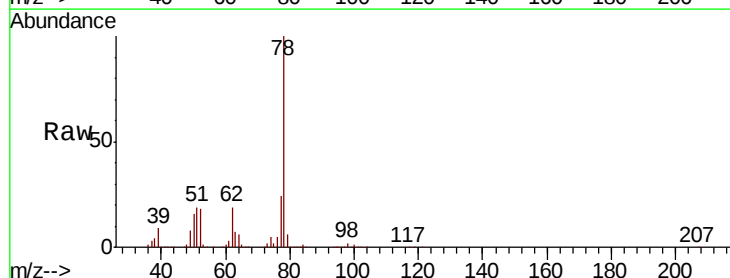
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Tgt Ion: 78 Resp: 900464



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

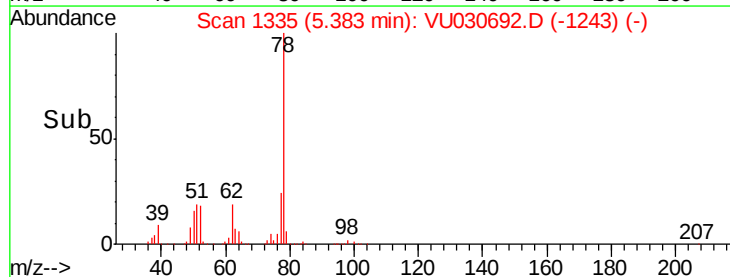
300000

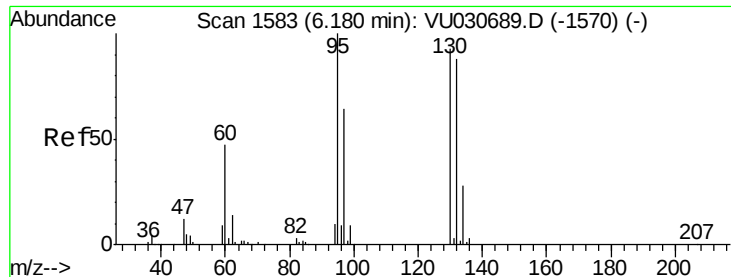
200000

100000

0

Time--> 5.30 5.40

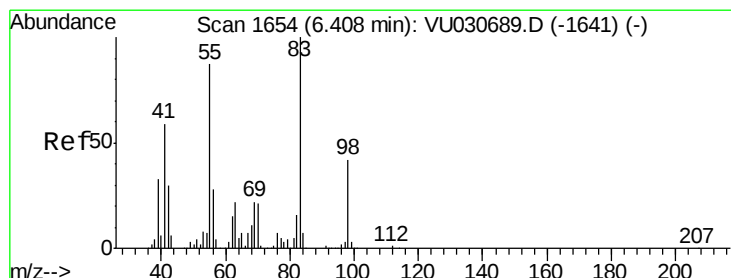
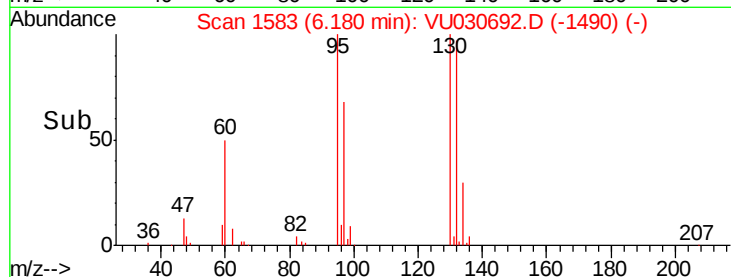
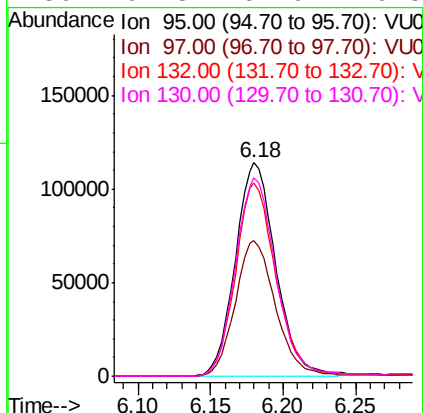
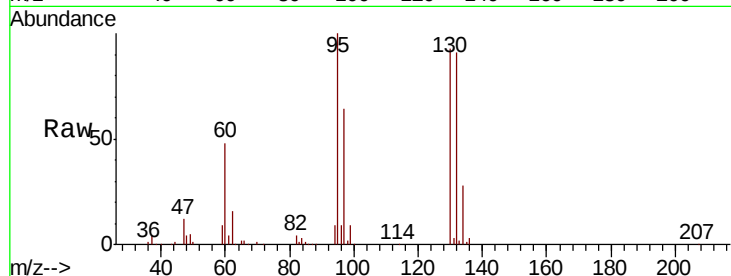




#34
 Trichloroethene
 Concen: 52.316 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

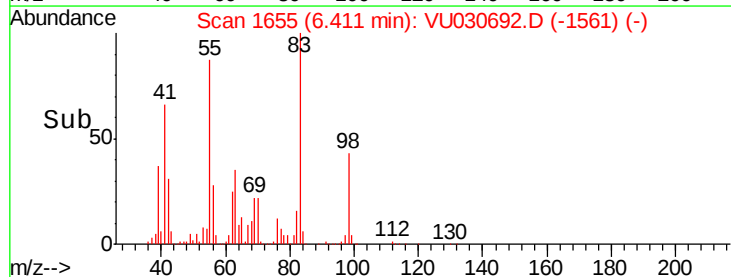
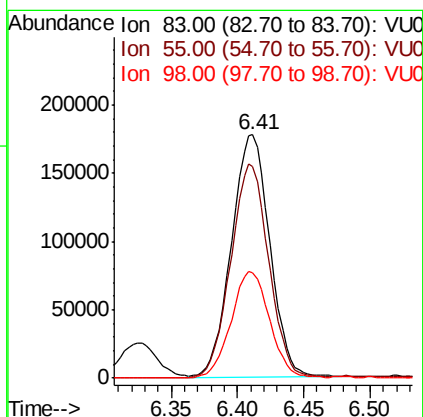
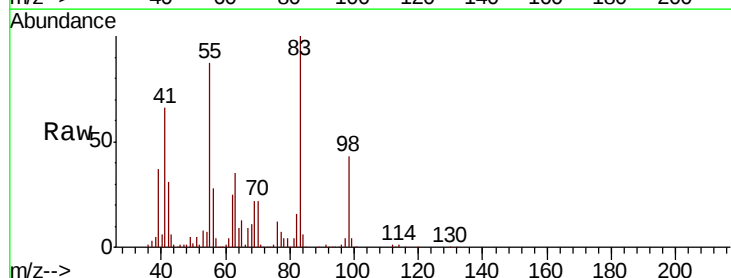
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV51

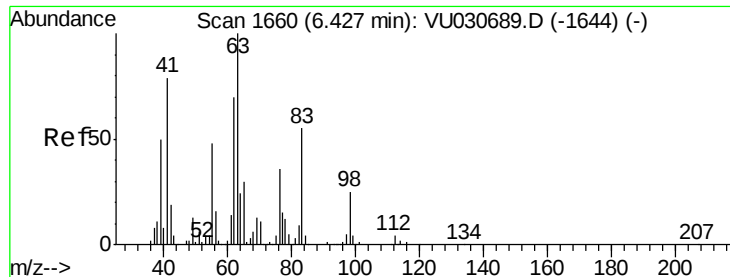
Tot Ion:	95	Resp:	220572
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.5	82.7
132	90.7	61.5	114.1
130	92.8	64.9	120.5



#35
 Methylcyclohexane
 Concen: 54.579 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

Tgt Ion:	83	Resp:	355123
Ion	Ratio	Lower	Upper
83	100		
55	88.3	71.6	107.4
98	44.6	35.4	53.0

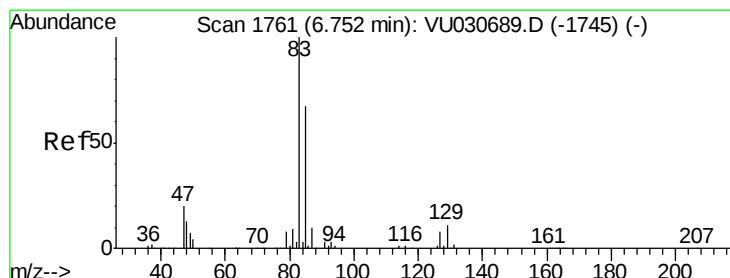
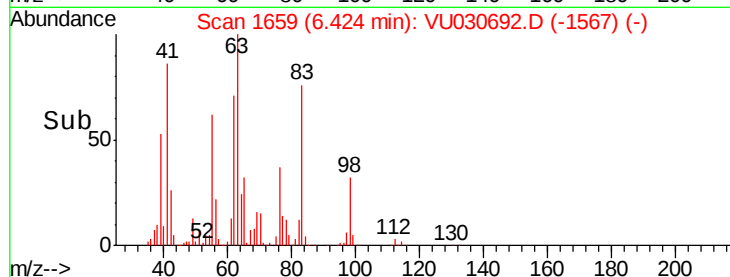
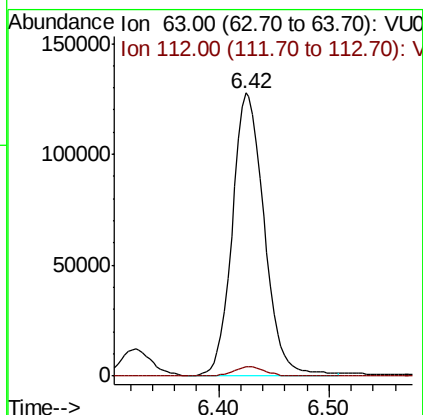
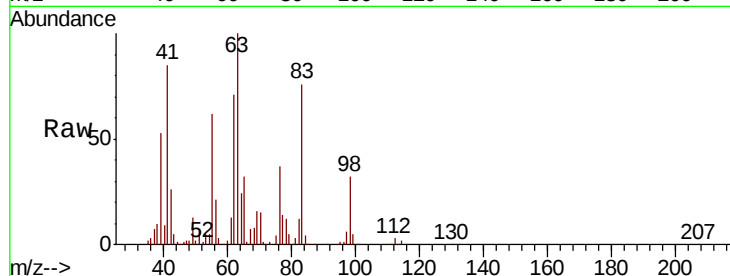




#37
 1,2-Dichloropropane
 Concen: 52.372 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

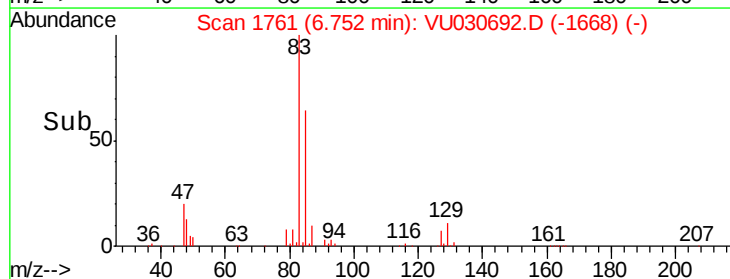
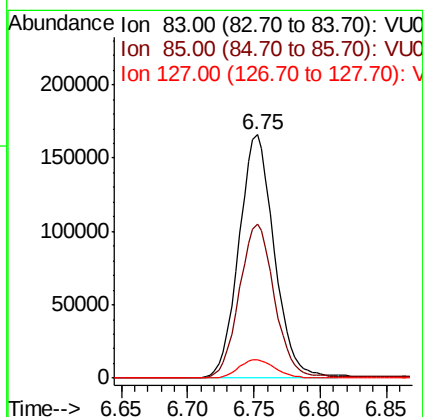
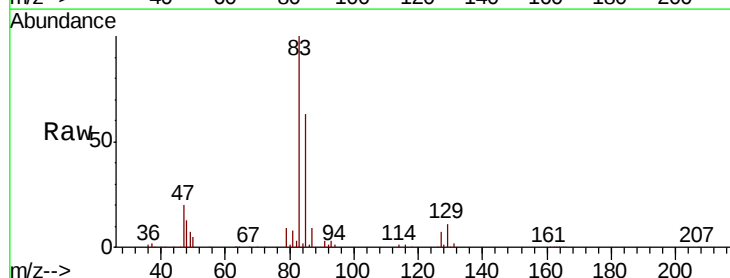
Instrument :
 MSVOA_U
 ClientSampleID :
 VICV51

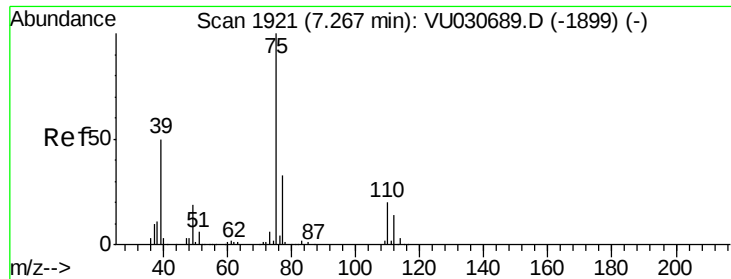
Tot Ion: 63 Resp: 254923
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.4



#38
 Bromodichloromethane
 Concen: 52.171 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

Tgt Ion: 83 Resp: 306347
 Ion Ratio Lower Upper
 83 100
 85 63.1 46.5 86.3
 127 7.3 6.6 10.0



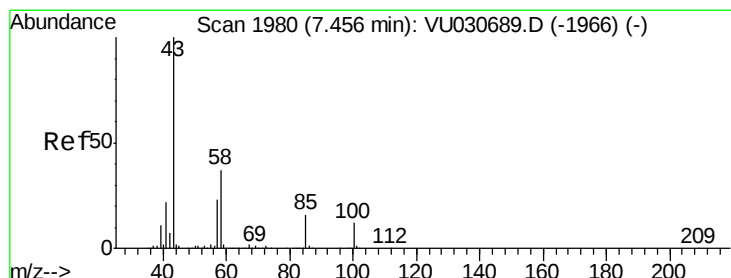
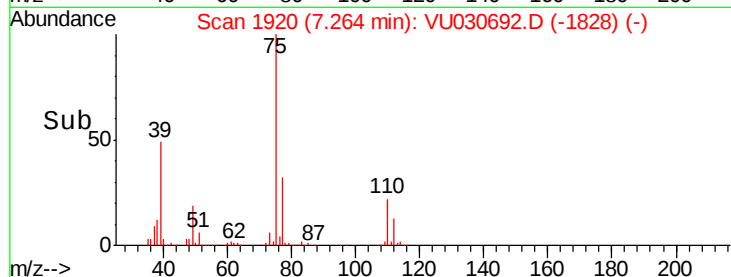
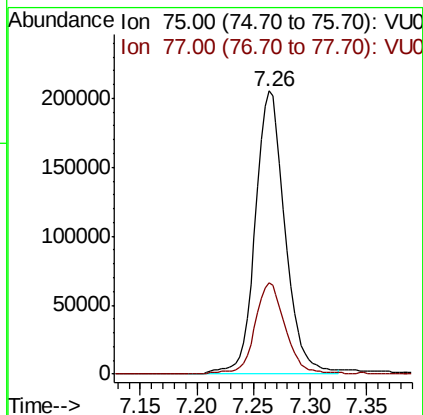
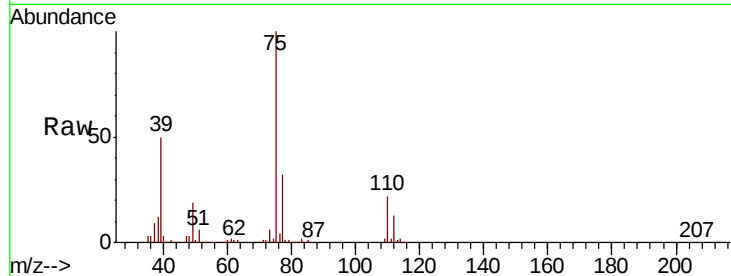


#39

cis-1,3-Dichloropropene
 Concen: 54.261 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV51

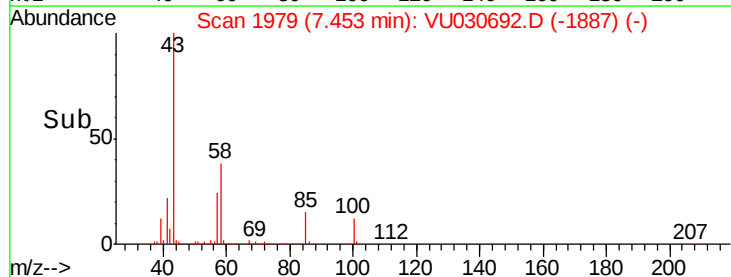
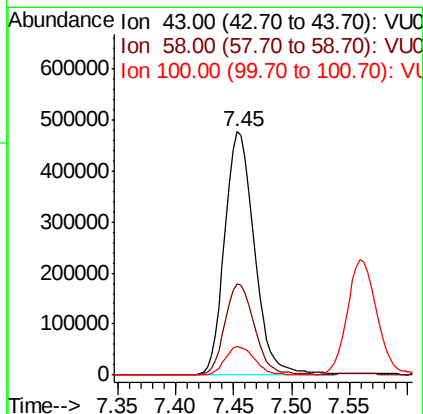
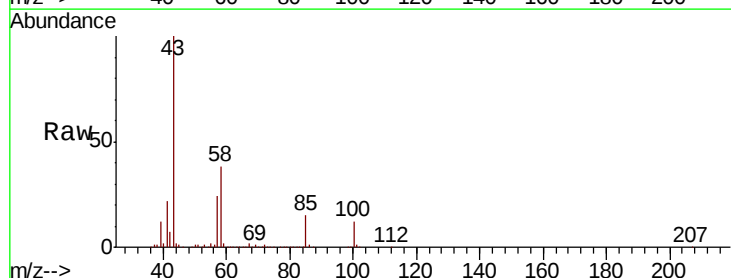
Tot Ion: 75 Resp: 375926
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.1 42.9

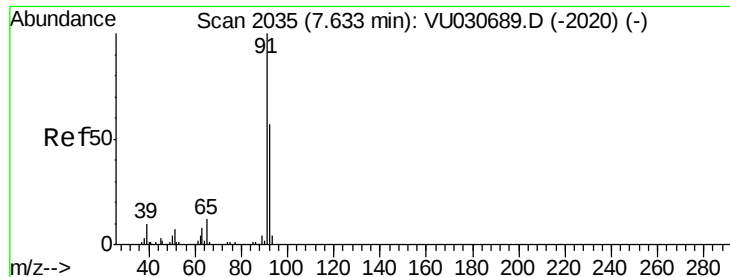


#40

4-Methyl-2-pentanone
 Concen: 108.335 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

Tgt Ion: 43 Resp: 847975
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.7 44.5
 100 11.7 9.8 14.6





#42

Toluene

Concen: 52.841 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

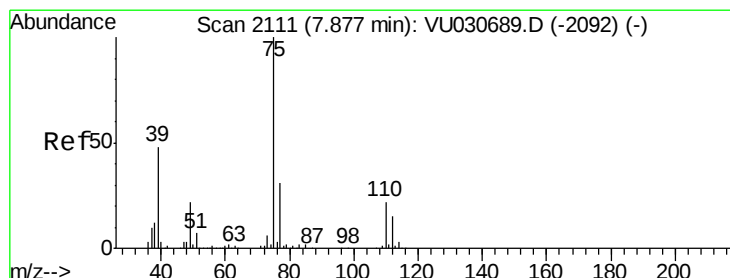
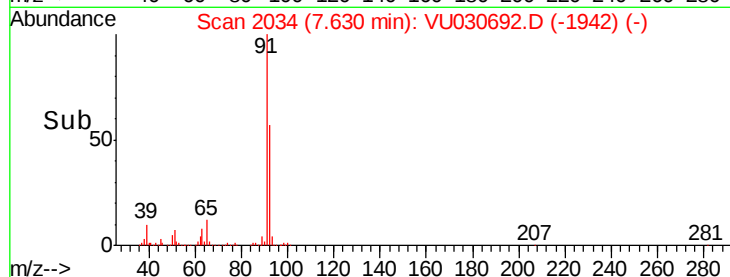
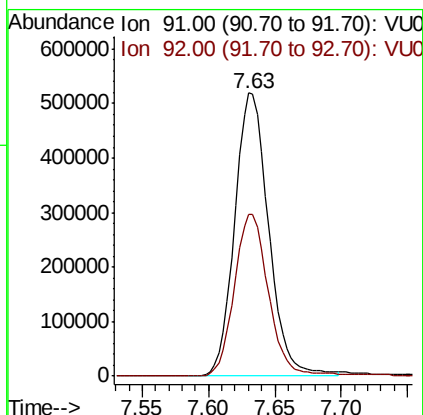
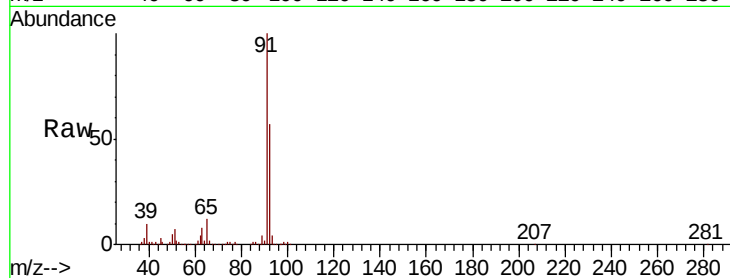
VICV51

Tot Ion: 91 Resp: 927188

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 53.989 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030692.D

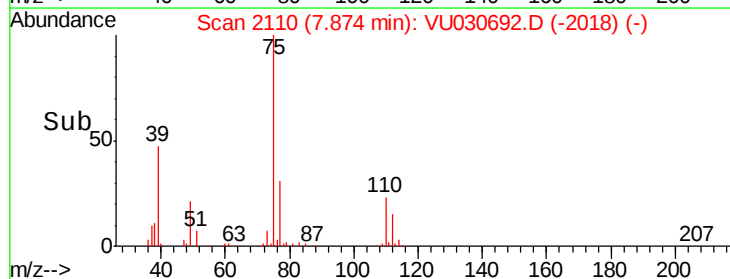
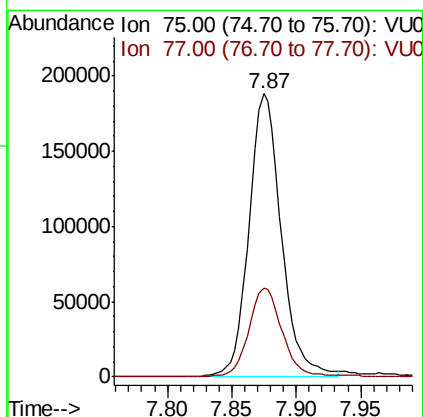
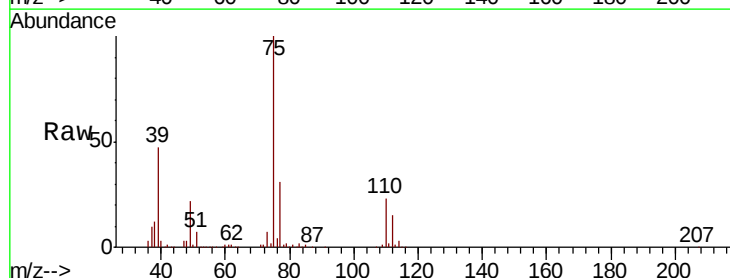
Acq: 04 Apr 2019 18:36

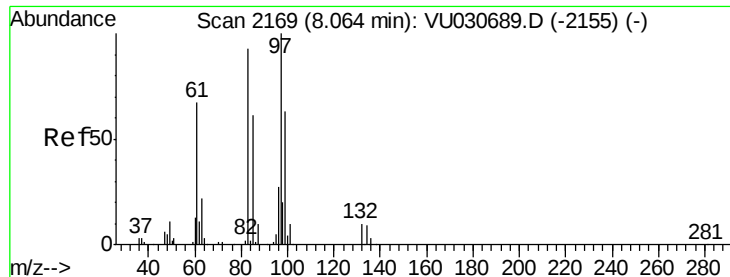
Tgt Ion: 75 Resp: 329633

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.0

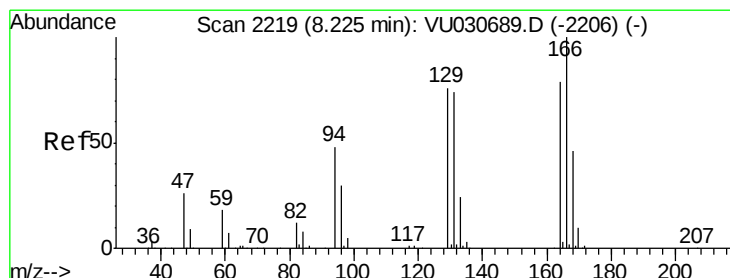
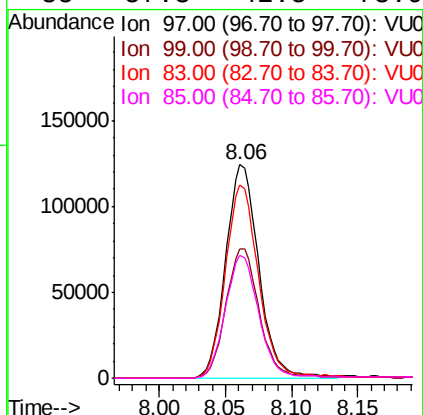
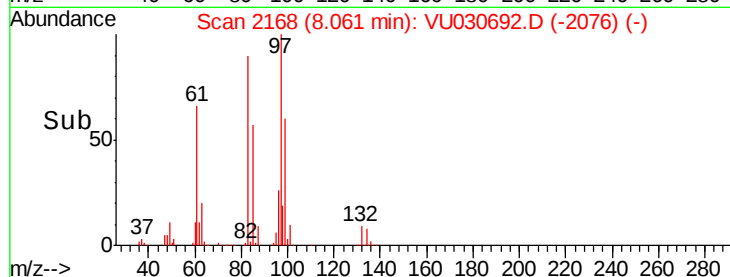
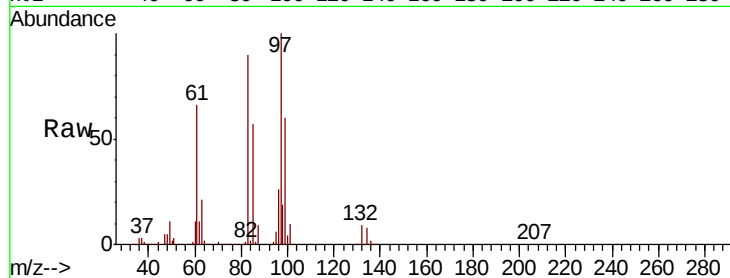




#45
 1,1,2-Trichloroethane
 Concen: 52.666 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

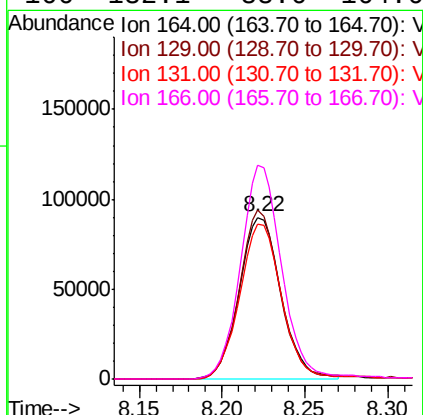
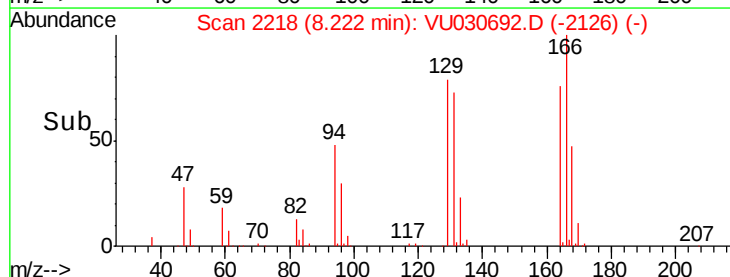
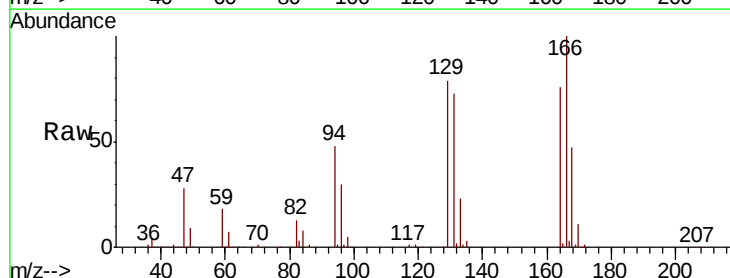
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV51

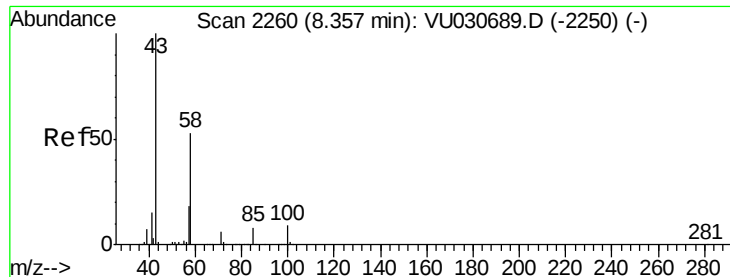
Tot Ion:	97	Resp:	217413
Ion	Ratio	Lower	Upper
97	100		
99	60.3	44.0	81.8
83	90.4	65.3	121.3
85	57.3	42.5	78.9



#46
 Tetrachloroethene
 Concen: 51.400 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

Tgt Ion:	164	Resp:	157554
Ion	Ratio	Lower	Upper
164	100		
129	104.2	67.4	125.2
131	96.2	65.9	122.5
166	132.1	88.6	164.6

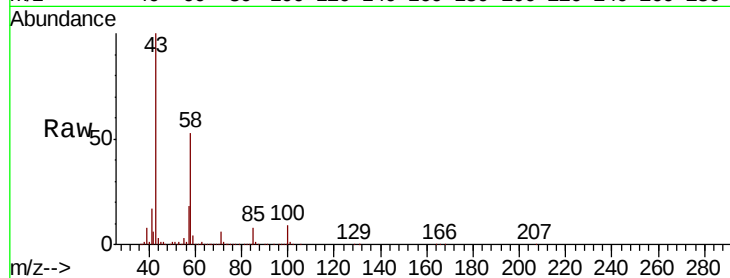




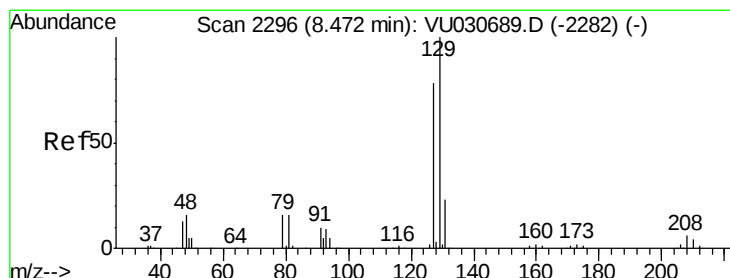
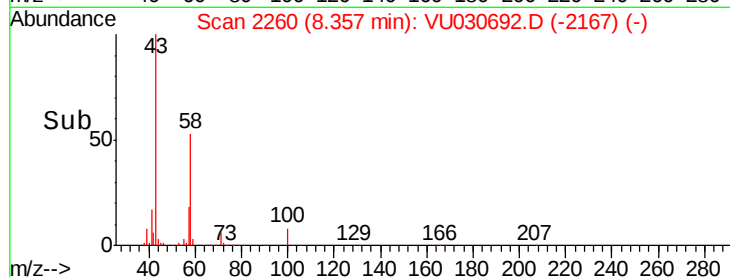
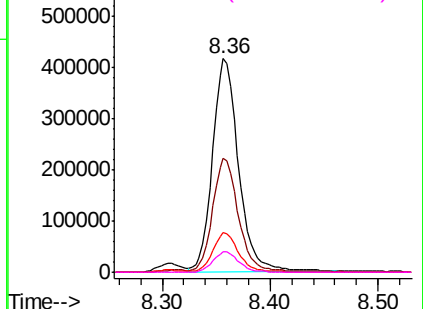
#48
2-Hexanone
Concen: 113.936 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU030692.D
Acq: 04 Apr 2019 18:36

Instrument :
MSVOA_U
ClientSampled :
VICV51

Tot Ion: 43 Resp: 695783
Ion Ratio Lower Upper
43 100
58 51.4 41.9 62.9
57 18.1 14.3 21.5
100 9.5 7.1 10.7

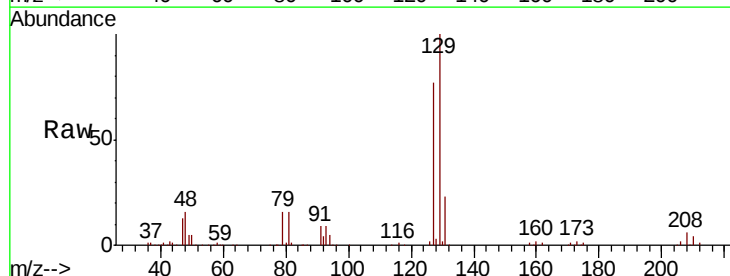


Abundance Ion 43.00 (42.70 to 43.70): VU030692.D (-2167) (-)
Ion 58.00 (57.70 to 58.70): VU030692.D (-2167) (-)
Ion 57.00 (56.70 to 57.70): VU030692.D (-2167) (-)
Ion 100.00 (99.70 to 100.70): VU030692.D (-2167) (-)

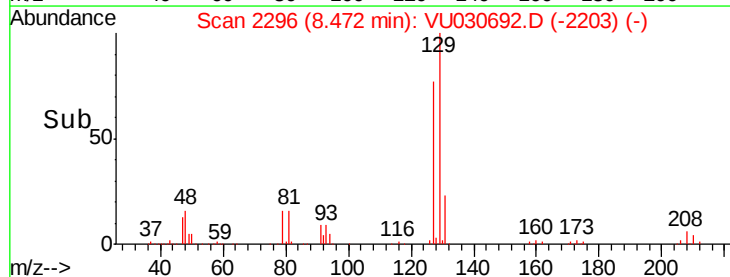
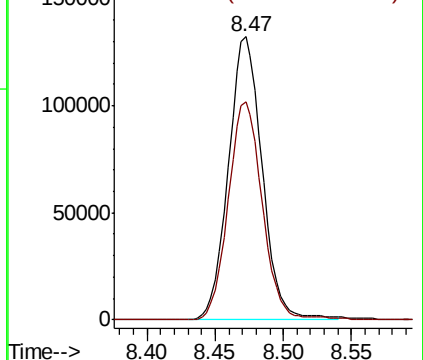


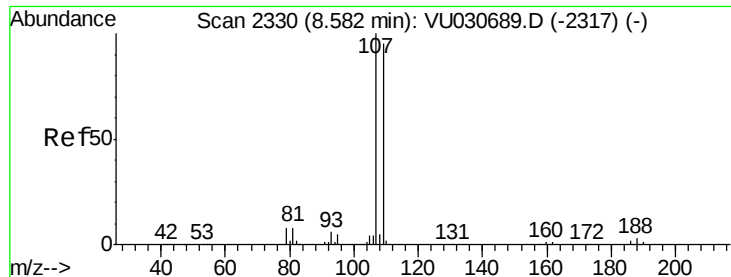
#49
Dibromochloromethane
Concen: 51.862 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030692.D
Acq: 04 Apr 2019 18:36

Tgt Ion: 129 Resp: 227174
Ion Ratio Lower Upper
129 100
127 76.9 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): VU030692.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU030692.D (-2203) (-)

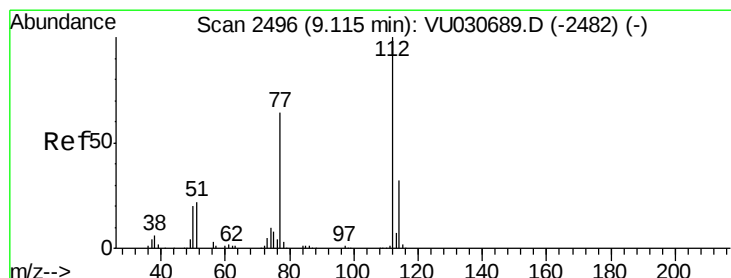
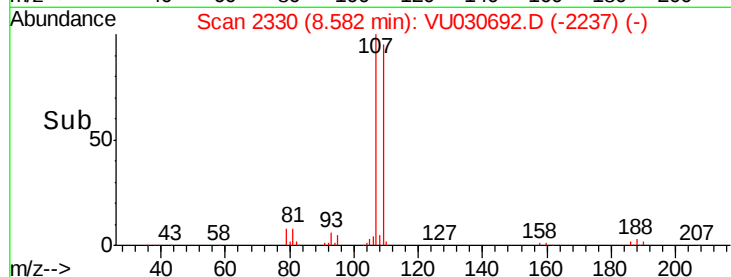
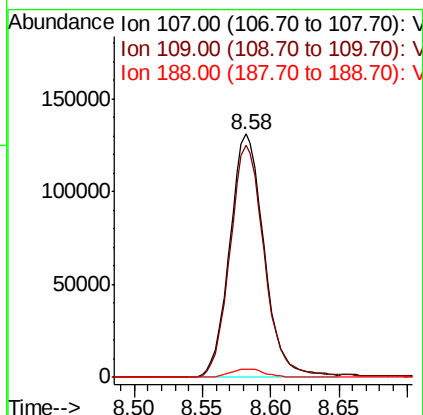
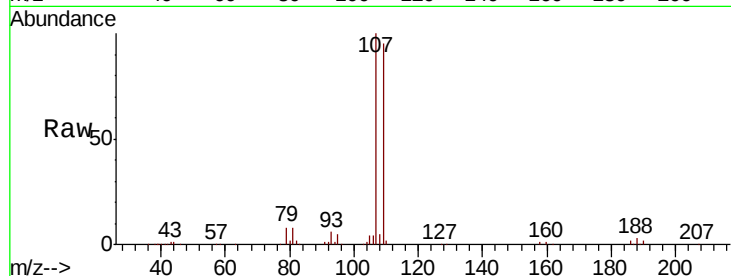




#50
 1,2-Dibromoethane
 Concen: 51.475 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

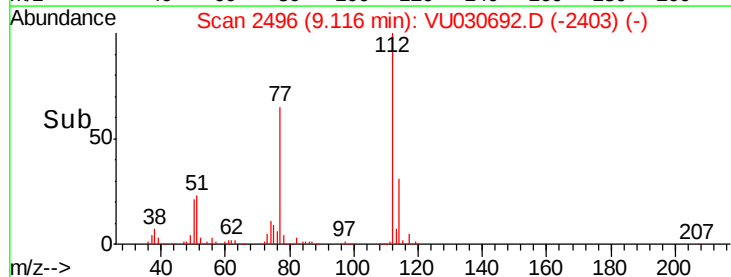
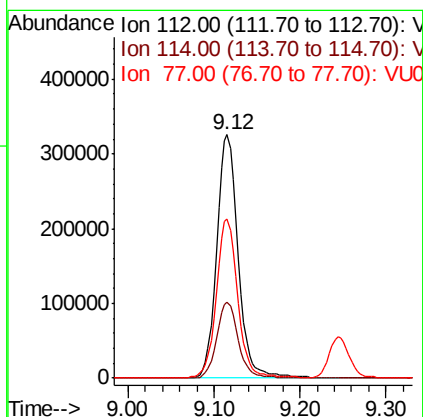
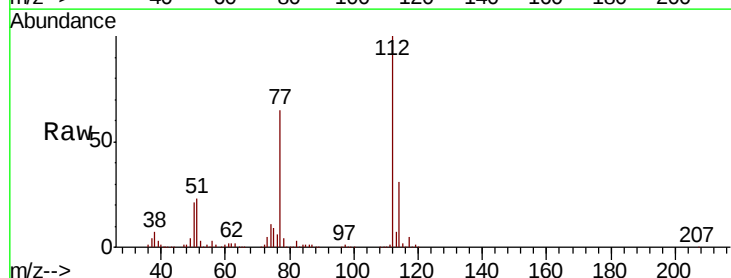
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV51

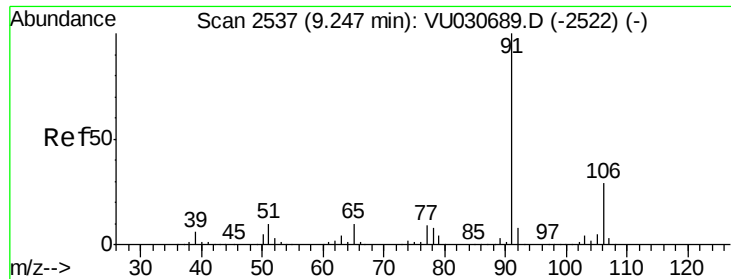
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.4	123.2
188	3.4	2.6	4.0



#51
 Chlorobenzene
 Concen: 52.570 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU030692.D
 Acq: 04 Apr 2019 18:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.2	41.2
77	65.2	51.7	77.5





#52

Ethylbenzene

Concen: 53.281 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

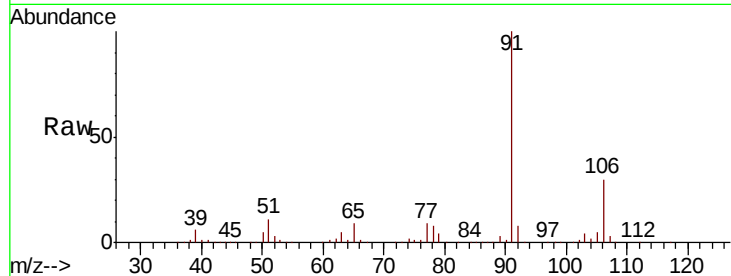
VICV51

Tot Ion: 91 Resp: 1019080

Ion Ratio Lower Upper

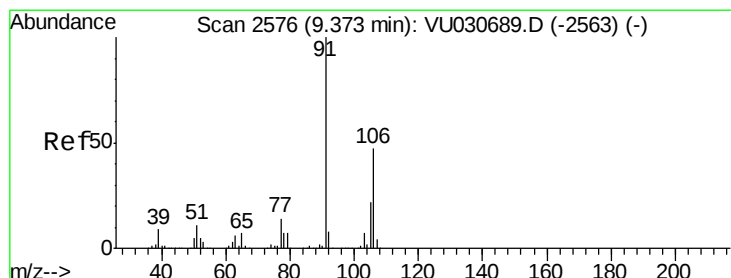
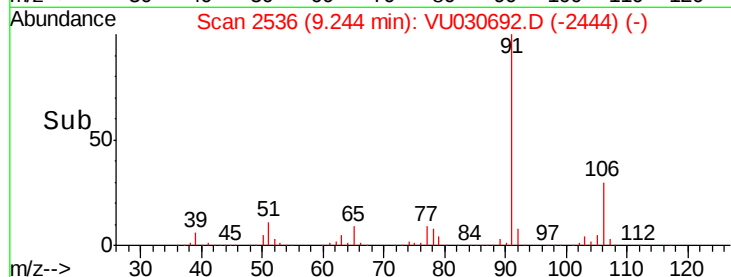
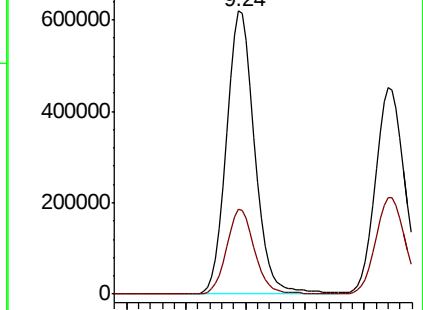
91 100

106 29.9 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU030689.D (-2522) (-)

Ion 106.00 (105.70 to 106.70): VU030689.D (-2522) (-)



#53

m,p-Xylene

Concen: 55.759 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030692.D

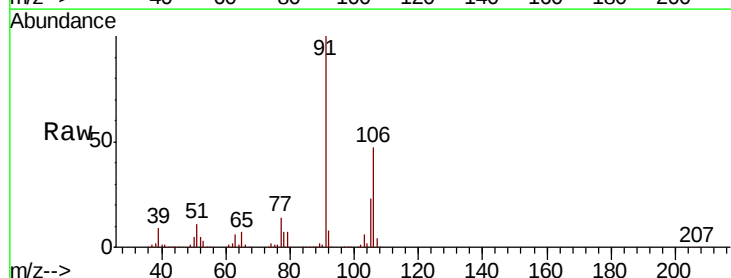
Acq: 04 Apr 2019 18:36

Tgt Ion:106 Resp: 371953

Ion Ratio Lower Upper

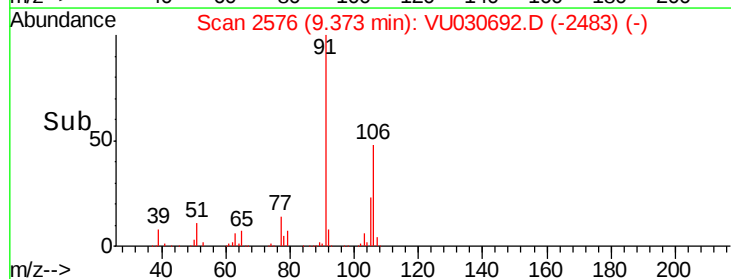
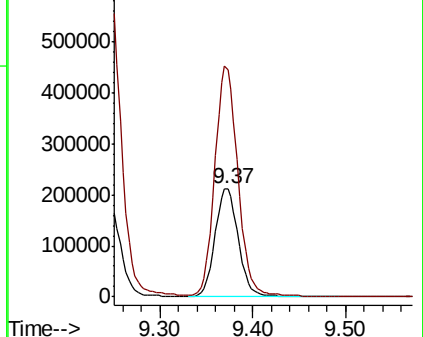
106 100

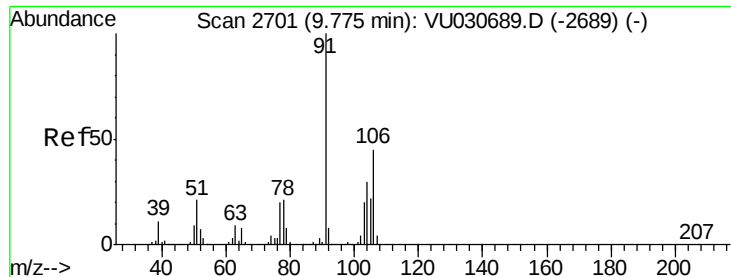
91 210.6 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): VU030689.D (-2563) (-)

Ion 91.00 (90.70 to 91.70): VU030689.D (-2563) (-)





#54

o-xylene

Concen: 54.192 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030692.D

Acq: 04 Apr 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

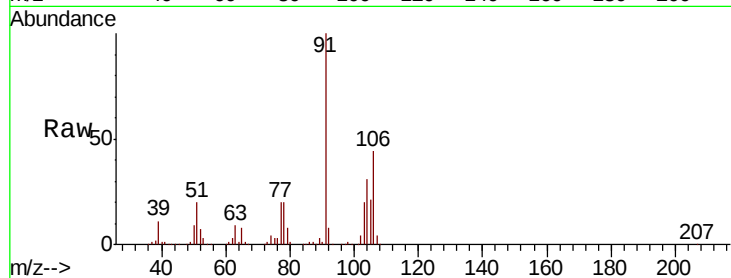
VICV51

Tot Ion:106 Resp: 359575

Ion Ratio Lower Upper

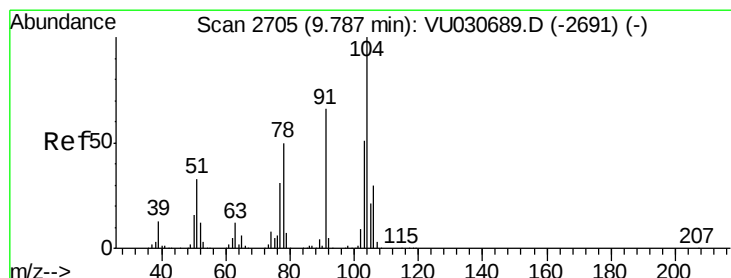
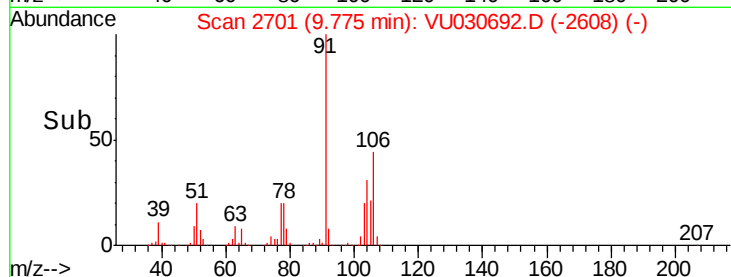
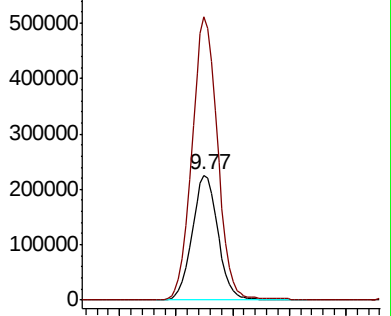
106 100

91 226.6 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.720 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030692.D

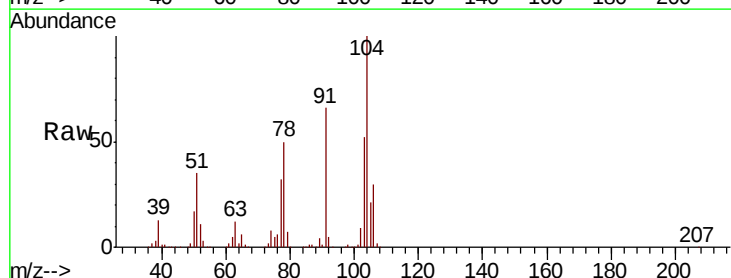
Acq: 04 Apr 2019 18:36

Tgt Ion:104 Resp: 622781

Ion Ratio Lower Upper

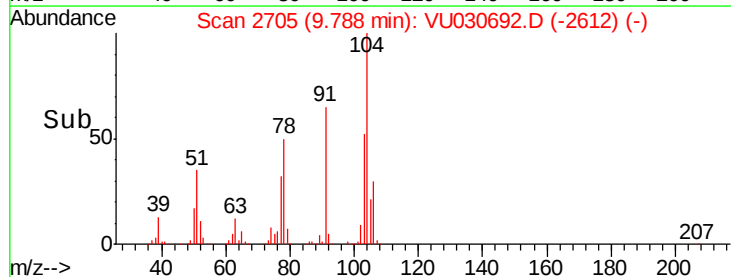
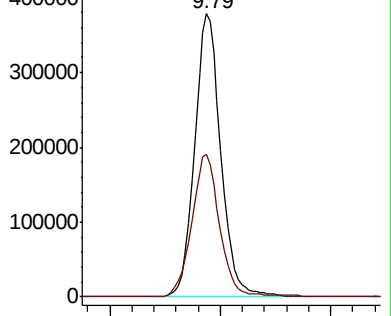
104 100

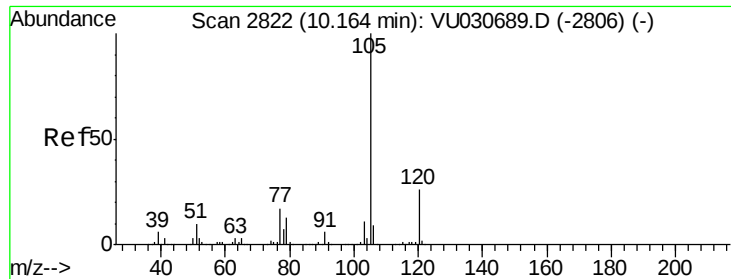
78 50.5 35.1 65.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

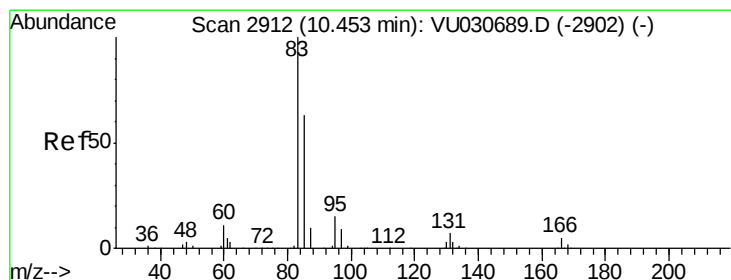
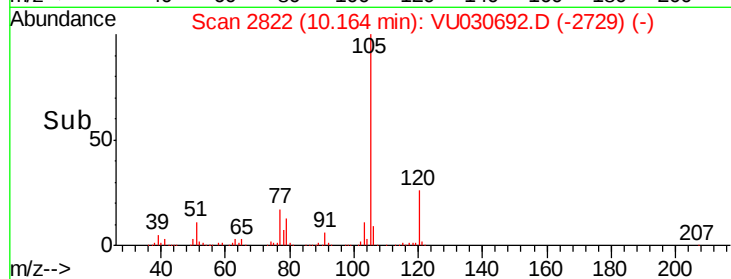
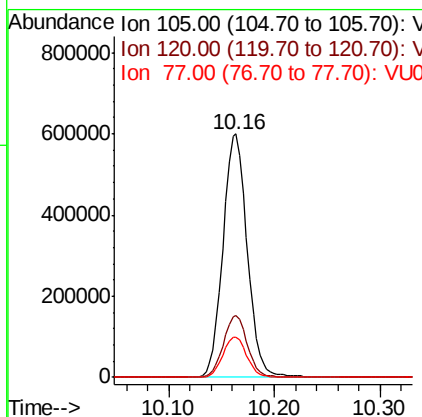
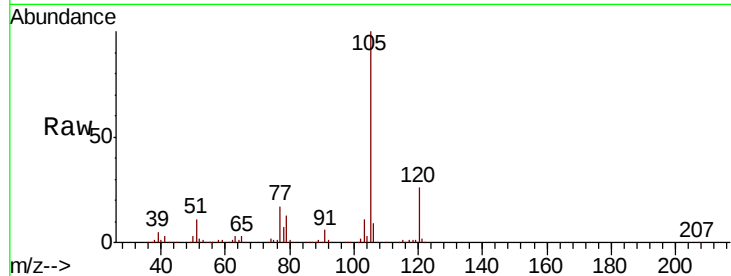




#56
Isopropylbenzene
Concen: 54.699 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU030692.D
Acq: 04 Apr 2019 18:36

Instrument :
MSVOA_U
ClientSampleId :
VICV51

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.4	30.6
77	16.7	13.4	20.2



#58
1,1,2,2-Tetrachloroethane
Concen: 51.702 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU030692.D
Acq: 04 Apr 2019 18:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	45.3	84.1
131	8.9	6.7	10.1

