

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037229.D
 Acq On : 13 Mar 2020 07:03
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 08:32:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 08:28:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	422050	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	421139	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	208644	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	145489	44.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.08%
7) Chloroethane-d5	1.93	69	123336	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.66%
11) 1,1-Dichloroethene-d2	2.59	63	275818	46.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.04%
21) 2-Butanone-d5	4.66	46	264364	102.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.27%
24) Chloroform-d	5.11	84	301691	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	5.74	65	216830	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
32) Benzene-d6	5.76	84	537799	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
36) 1,2-Dichloropropane-d6	6.72	67	174437	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.94%
41) Toluene-d8	7.92	98	523124	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.20	79	90136	43.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.28%
47) 2-Hexanone-d5	8.66	63	194950	99.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	277682	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	12.21	152	210112	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	200315	46.444 ug/L	97
3) Chloromethane	1.54	50	175560	49.770 ug/L	99
5) Vinyl chloride	1.62	62	182744	47.275 ug/L	99
6) Bromomethane	1.87	94	85139	57.378 ug/L	98
8) Chloroethane	1.95	64	105702	46.675 ug/L	99
9) Trichlorofluoromethane	2.16	101	284077	48.132 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	127023	46.082 ug/L	98
12) 1,1-Dichloroethene	2.60	96	116975	46.964 ug/L	97
13) Acetone	2.65	43	184098	75.064 ug/L	100
14) Carbon disulfide	2.82	76	319314	45.218 ug/L	99
15) Methyl Acetate	2.98	43	187134	48.512 ug/L	100
16) Methylene chloride	3.08	84	146452	47.107 ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	124979	47.893 ug/L	94
18) Methyl tert-butyl Ether	3.40	73	484020	48.030 ug/L	100
19) 1,1-Dichloroethane	3.91	63	276274	47.314 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	149124	47.245 ug/L	97
22) 2-Butanone	4.75	43	285212	91.947 ug/L	99

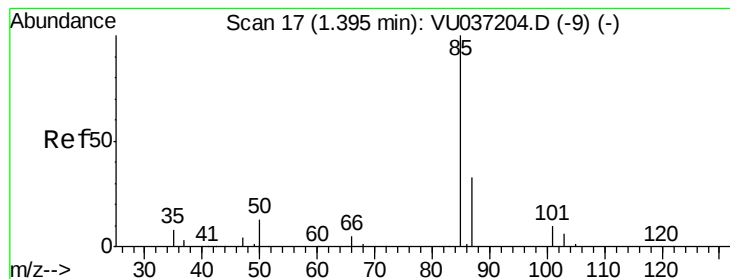
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037229.D
 Acq On : 13 Mar 2020 07:03
 Operator : JC/MD
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 08:28:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	76138	47.833	ug/L	97
25) Chloroform	5.13	83	298728	47.311	ug/L	100
27) 1,2-Dichloroethane	5.83	62	263895	46.907	ug/L	99
29) Cyclohexane	5.42	56	221626	44.515	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	266127	47.608	ug/L	100
31) Carbon tetrachloride	5.56	117	234050	47.388	ug/L	99
33) Benzene	5.81	78	589603	47.498	ug/L	100
34) Trichloroethene	6.57	95	151376	46.929	ug/L	98
35) Methylcyclohexane	6.79	83	219616	44.971	ug/L	99
37) 1,2-Dichloropropane	6.82	63	162362	46.015	ug/L	100
38) Bromodichloromethane	7.13	83	229415	46.506	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	250268	45.744	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	558793	97.286	ug/L	100
42) Toluene	7.99	91	644905	47.575	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	235005	45.494	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	153945	47.917	ug/L	97
46) Tetrachloroethene	8.57	164	115535	48.212	ug/L	99
48) 2-Hexanone	8.71	43	442574	97.775	ug/L	98
49) Dibromochloromethane	8.83	129	182988	48.413	ug/L	99
50) 1,2-Dibromoethane	8.95	107	164635	47.485	ug/L	99
51) Chlorobenzene	9.47	112	407276	47.775	ug/L	98
52) Ethylbenzene	9.59	91	733946	46.760	ug/L	99
53) m,p-Xylene	9.71	106	267788	48.236	ug/L	96
54) o-xylene	10.12	106	262867	47.926	ug/L	95
55) Styrene	10.13	104	448572	48.226	ug/L	98
56) Isopropylbenzene	10.50	105	723255	47.441	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	279055	47.584	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	238448	48.615	ug/L	100
61) Bromoform	10.31	173	142785	48.997	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	318232	48.121	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	319891	47.860	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	327946	48.553	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73601	49.426	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	223303	46.333	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	175622	46.666	ug/L	99
69) Naphthalene	14.11	128	260425	45.630	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	188137	47.638	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 46.444 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

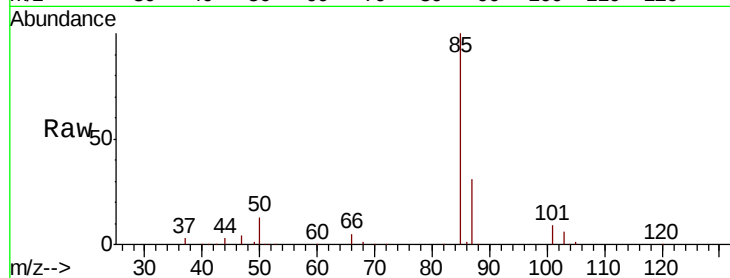
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 200315

Ion Ratio Lower Upper

85 100

87 31.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU037204.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037204.D (-9) (-)

1.39

200000

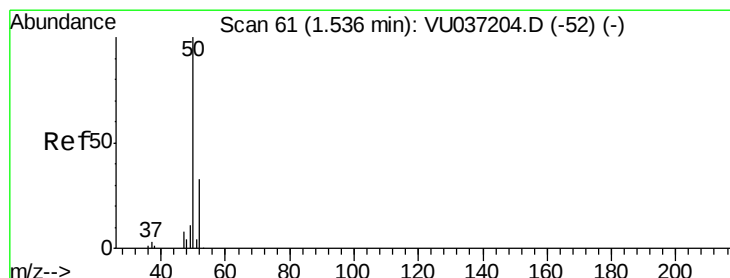
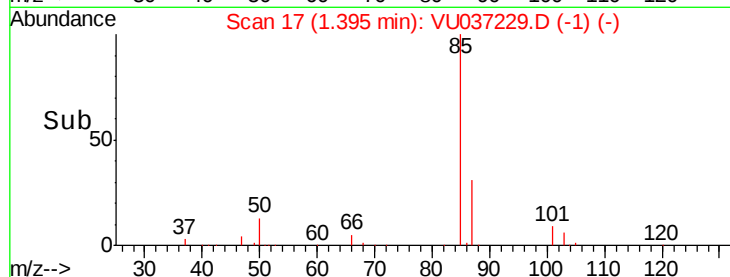
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.770 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037229.D

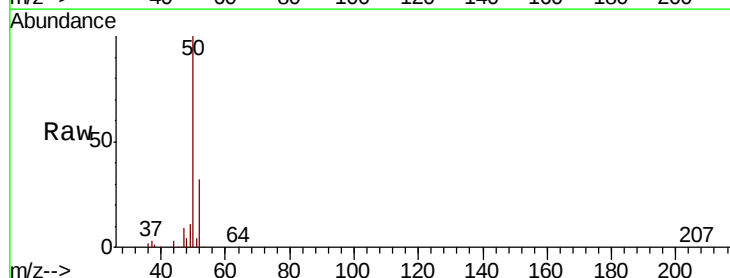
Acq: 13 Mar 2020 07:03

Tgt Ion: 50 Resp: 175560

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU037204.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037204.D (-52) (-)

1.54

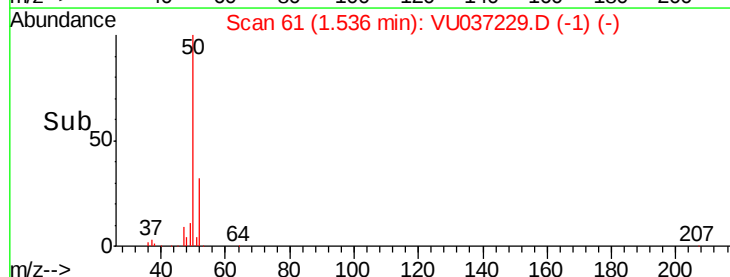
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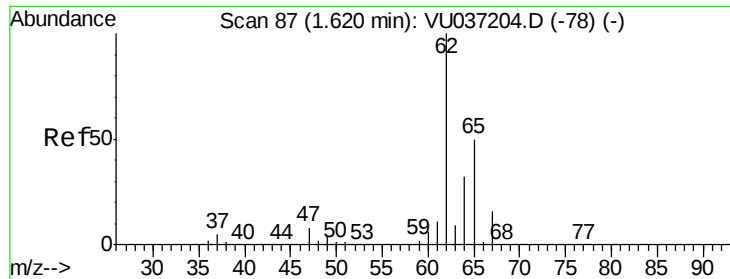
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.275 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

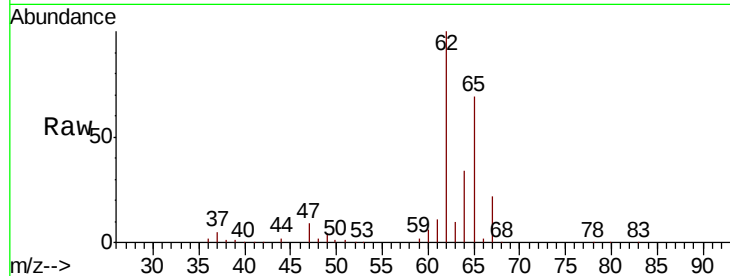
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 182744

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU037204.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037204.D (-78) (-)

200000

150000

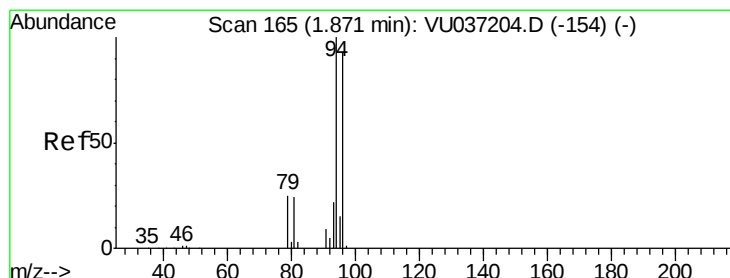
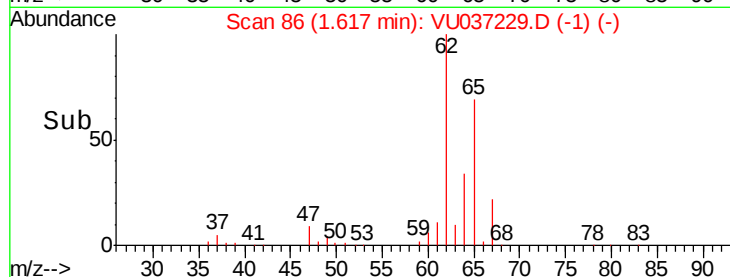
100000

50000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 57.378 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037229.D

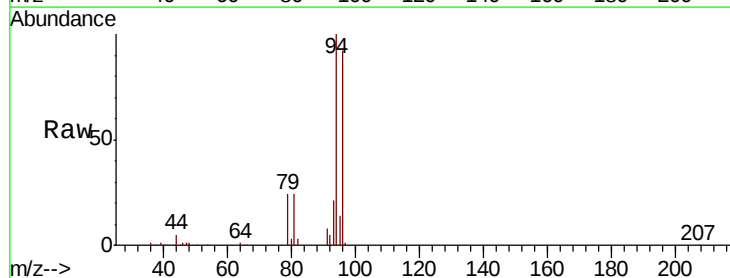
Acq: 13 Mar 2020 07:03

Tgt Ion: 94 Resp: 85139

Ion Ratio Lower Upper

94 100

96 92.5 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU037204.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU037204.D (-154) (-)

60000

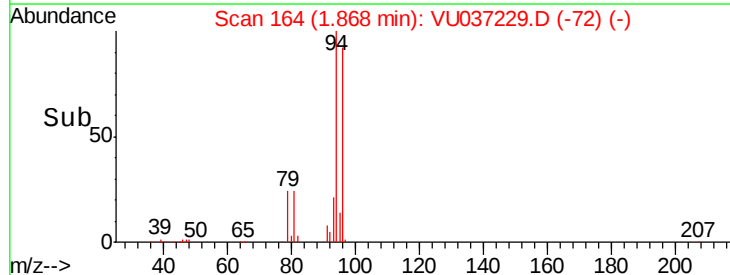
40000

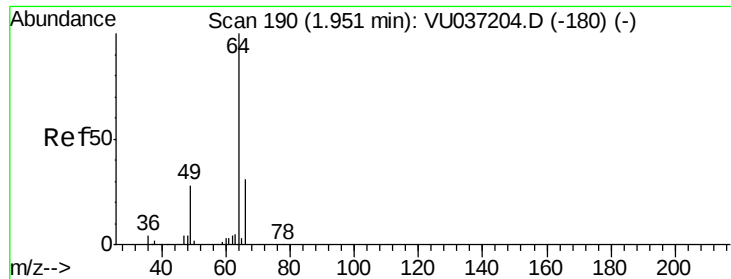
20000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 46.675 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :

MSVOA_U

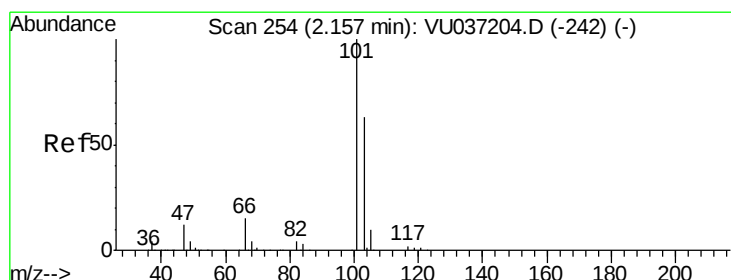
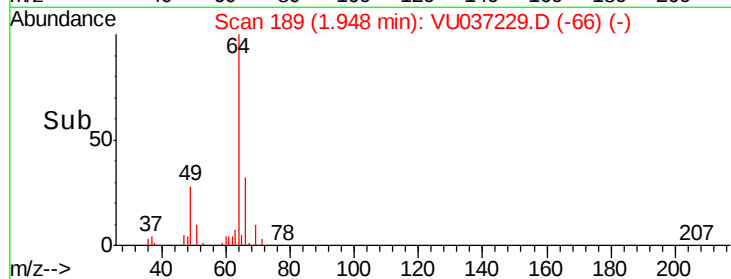
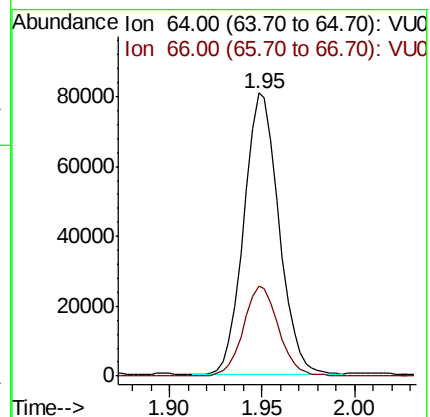
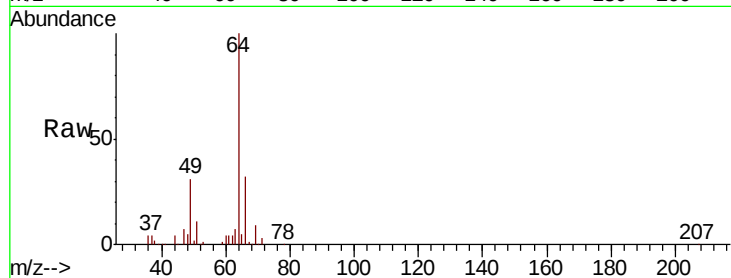
ClientSampleId :

Tot Ion: 64 Resp: 105702

Ion Ratio Lower Upper

64 100

66 31.8 22.6 42.0



#9

Trichlorofluoromethane

Concen: 48.132 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037229.D

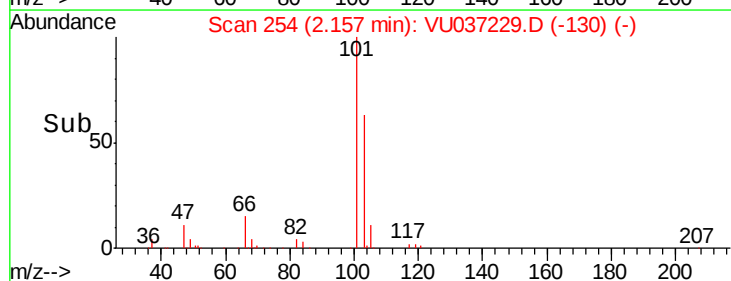
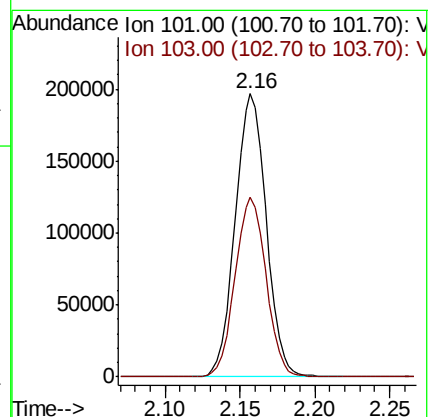
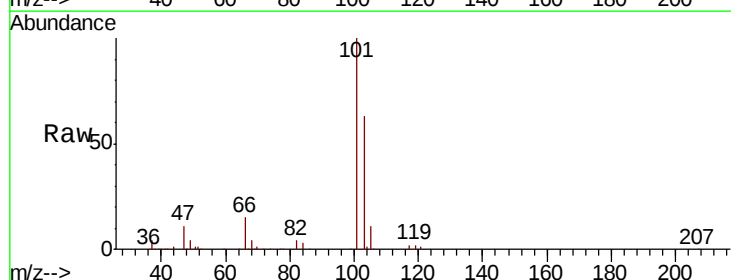
Acq: 13 Mar 2020 07:03

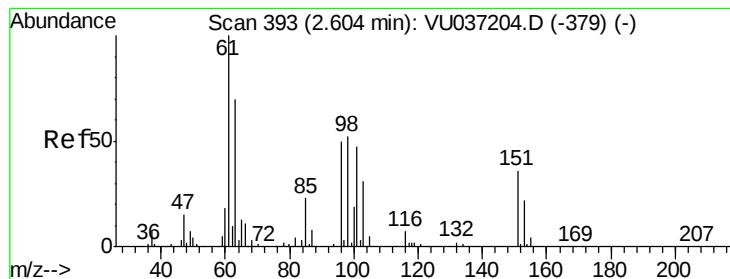
Tgt Ion: 101 Resp: 284077

Ion Ratio Lower Upper

101 100

103 63.4 51.1 76.7





#10

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

Concen: 46.082 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :

MSVOA_U

ClientSampled :

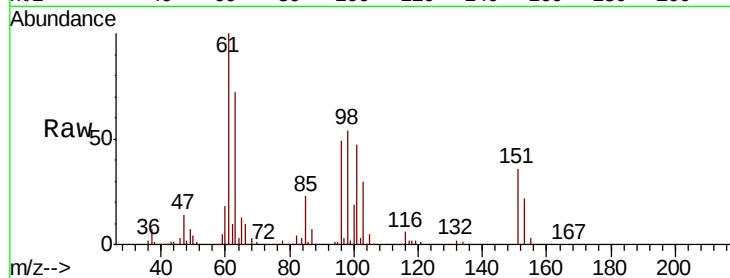
Tot Ion:101 Resp: 127023

Ion Ratio Lower Upper

101 100

85 47.9 37.8 56.6

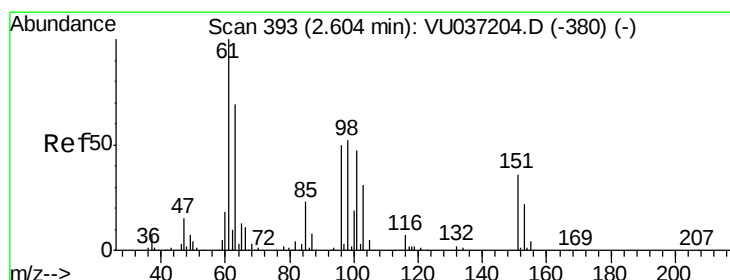
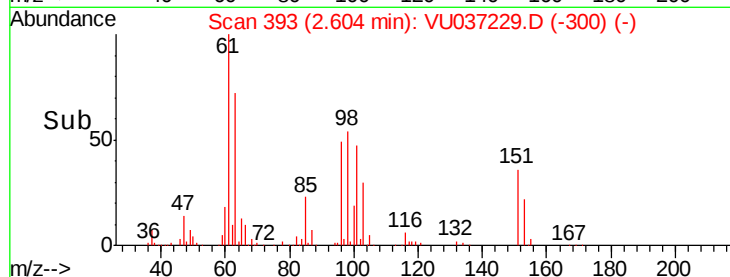
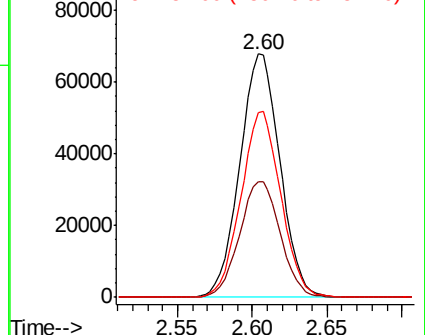
151 75.5 58.5 87.7



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: 46.964 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

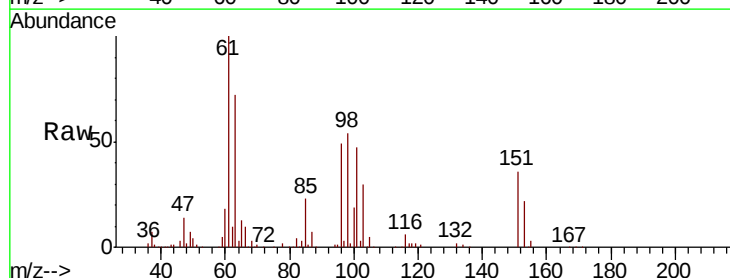
Tgt Ion: 96 Resp: 116975

Ion Ratio Lower Upper

96 100

61 202.4 138.8 257.8

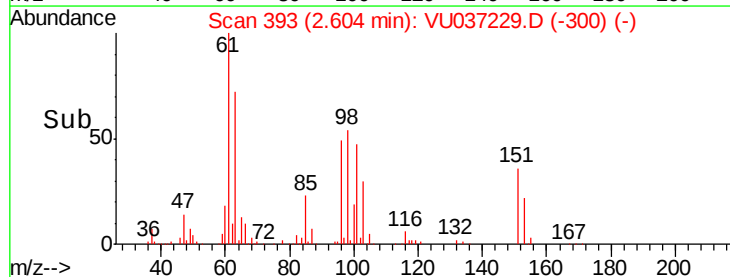
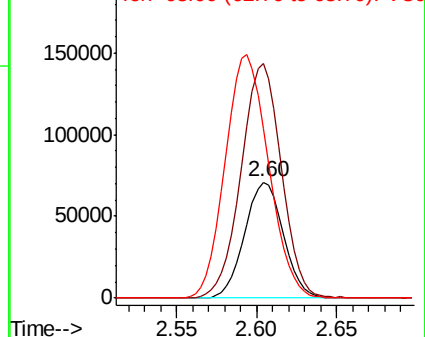
63 146.5 106.4 197.6

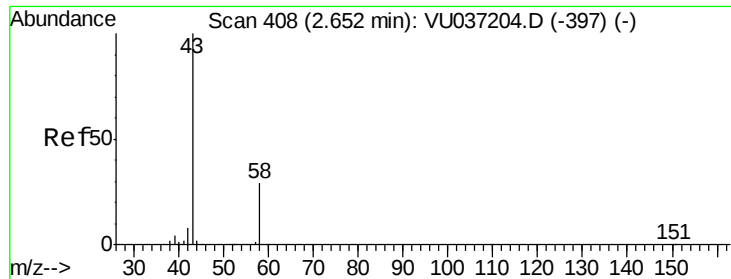


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 75.064 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

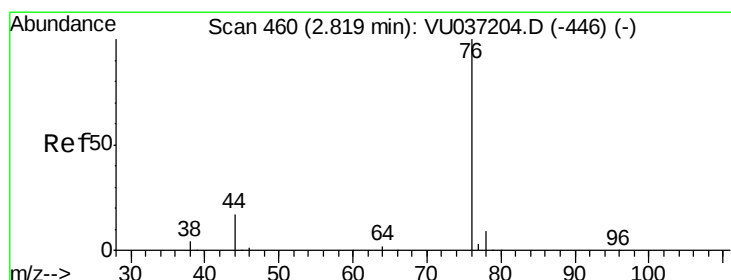
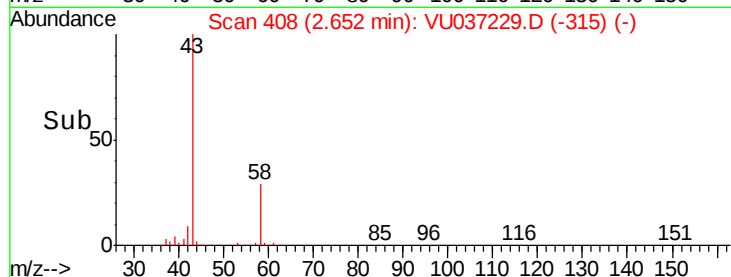
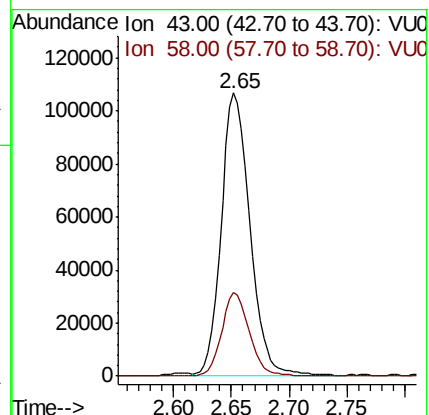
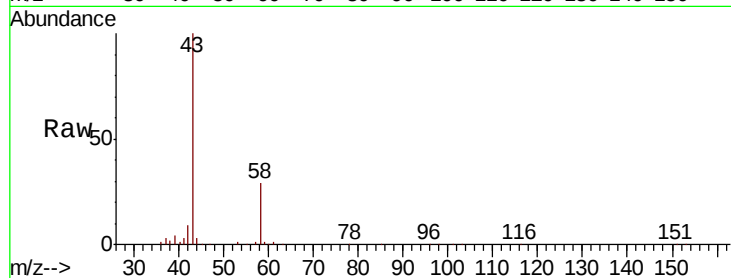
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 184098

Ion Ratio Lower Upper

43 100

58 28.5 0.0 57.2



#14

Carbon disulfide

Concen: 45.218 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037229.D

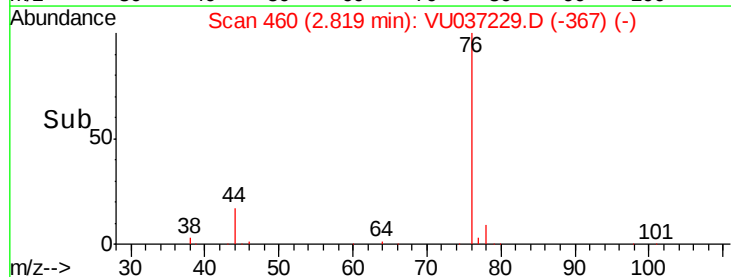
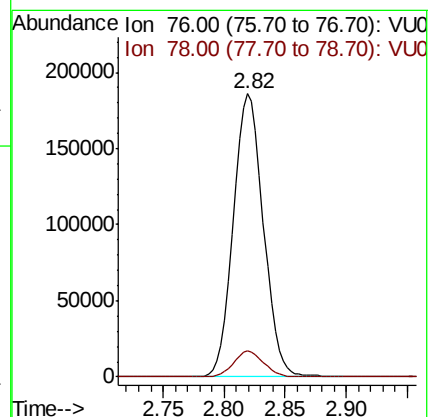
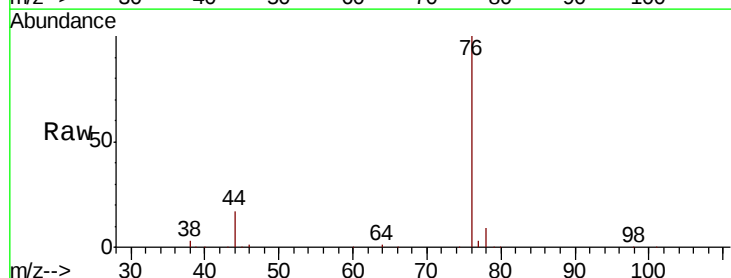
Acq: 13 Mar 2020 07:03

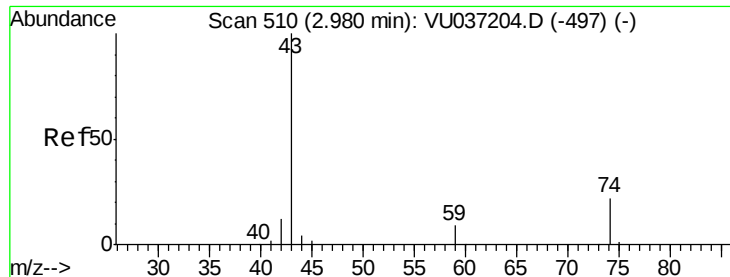
Tgt Ion: 76 Resp: 319314

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

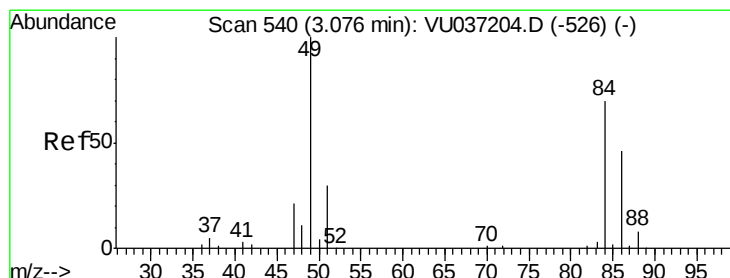
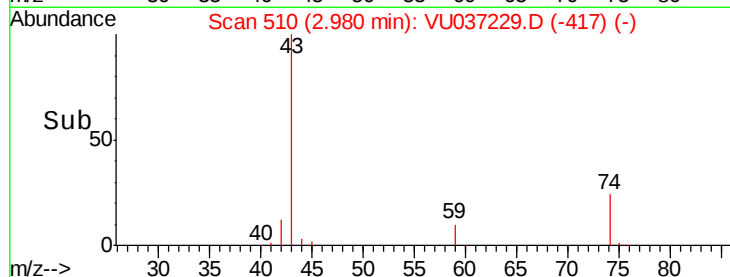
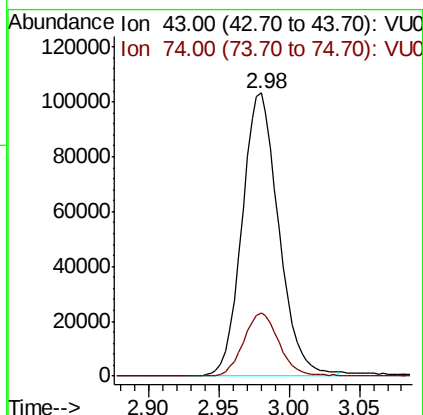
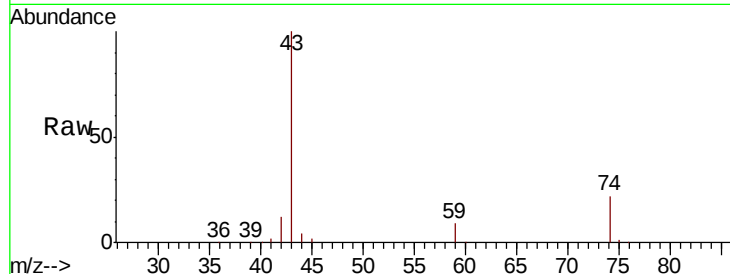




#15
Methvl Acetate
Concen: 48.512 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

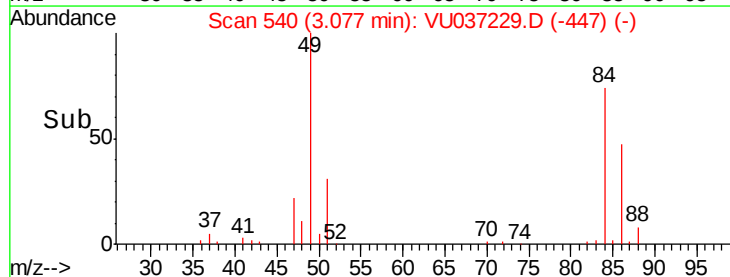
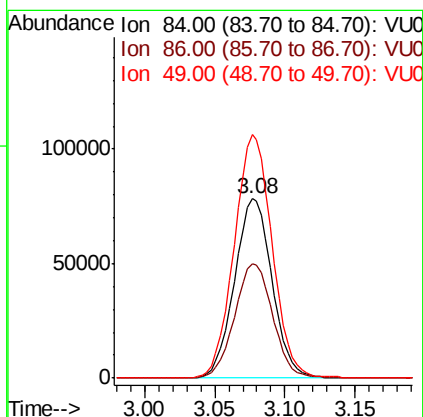
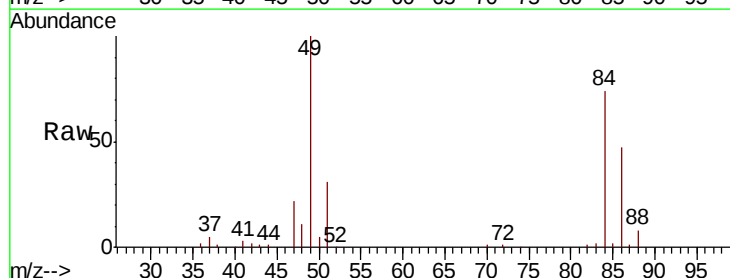
Instrument :
MSVOA_U
ClientSampleId :

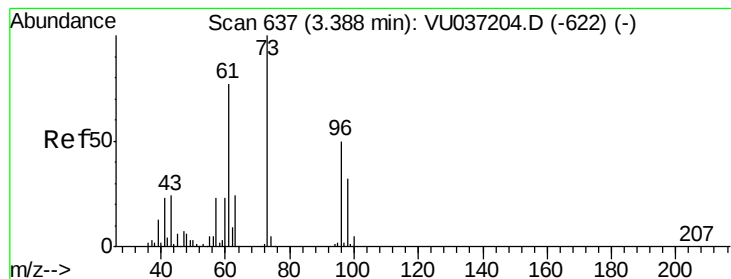
Tot Ion: 43 Resp: 187134
Ion Ratio Lower Upper
43 100
74 21.6 17.4 26.0



#16
Methylene chloride
Concen: 47.107 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Tgt Ion: 84 Resp: 146452
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.6
49 135.6 98.6 183.2





#17

trans-1,2-Dichloroethene

Concen: 47.893 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :

MSVOA_U

ClientSampleId :

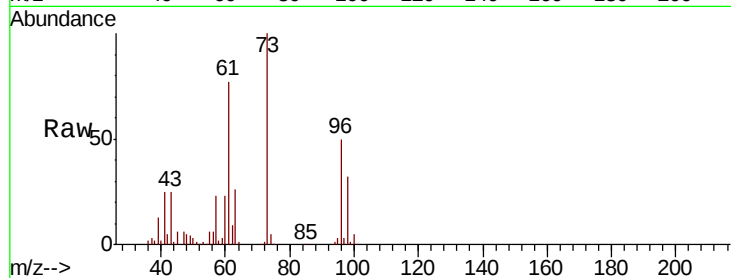
Tot Ion: 96 Resp: 124979

Ion Ratio Lower Upper

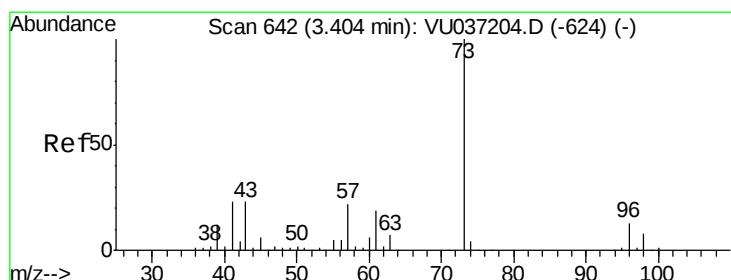
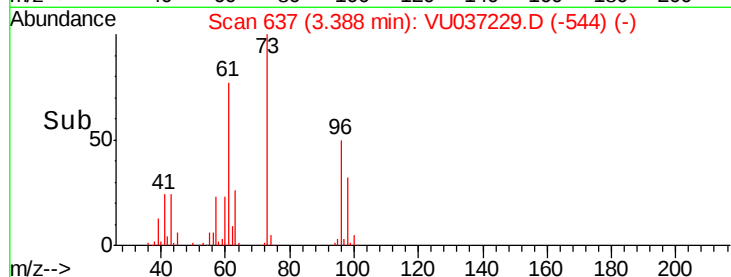
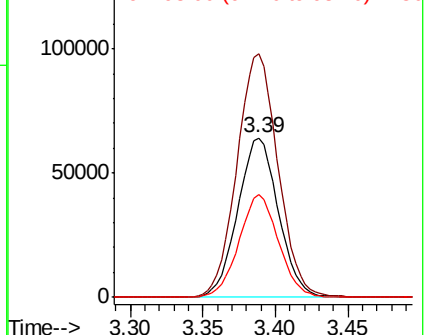
96 100

61 152.4 112.3 208.5

98 64.2 48.0 89.2



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: 48.030 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

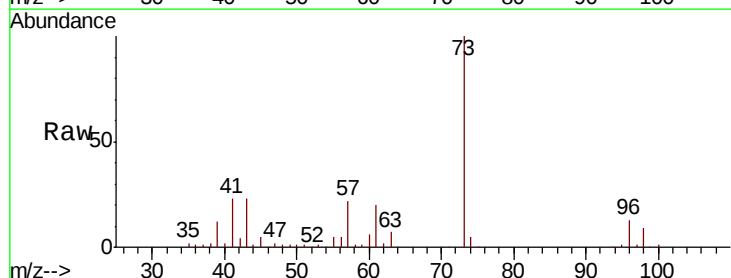
Tgt Ion: 73 Resp: 484020

Ion Ratio Lower Upper

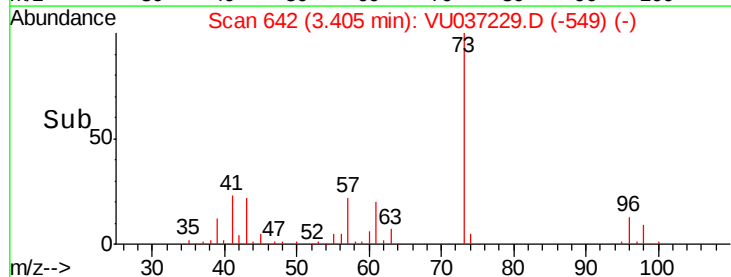
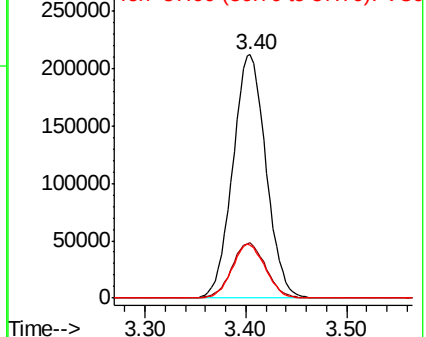
73 100

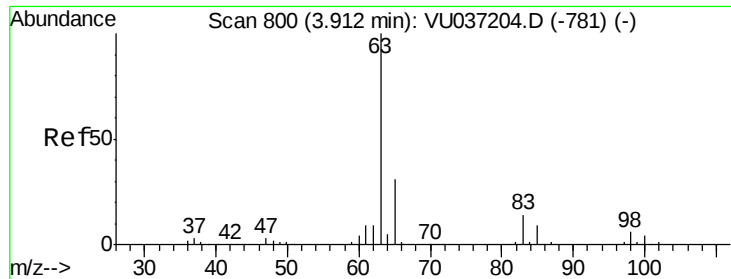
43 23.2 18.5 27.7

57 22.0 17.7 26.5



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

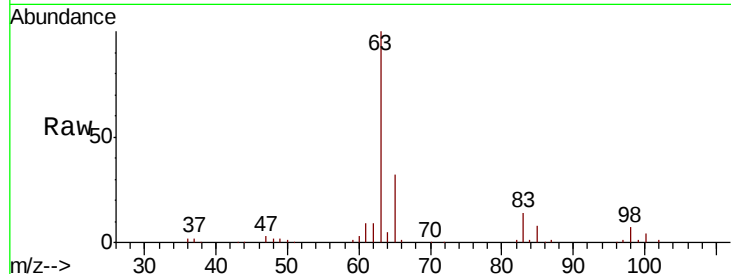




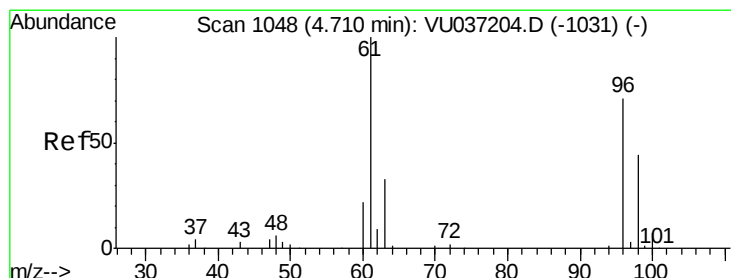
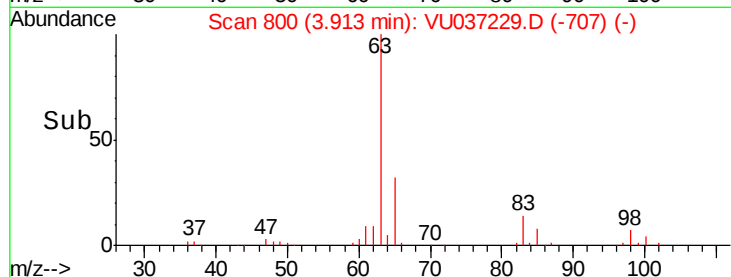
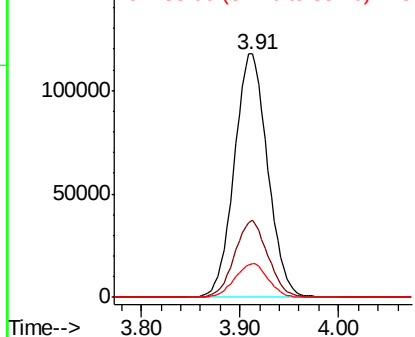
#19
 1,1-Dichloroethane
 Concen: 47.314 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 276274
 Ion Ratio Lower Upper
 63 100
 65 31.6 20.8 38.6
 83 13.8 9.9 18.3

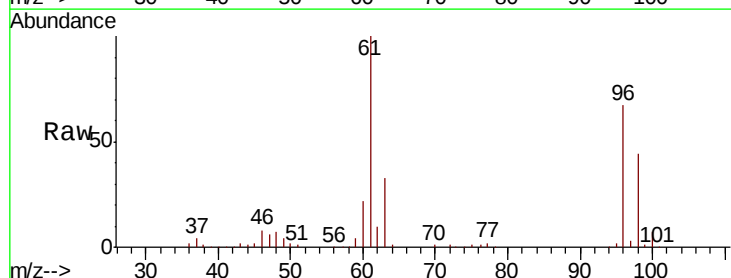


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

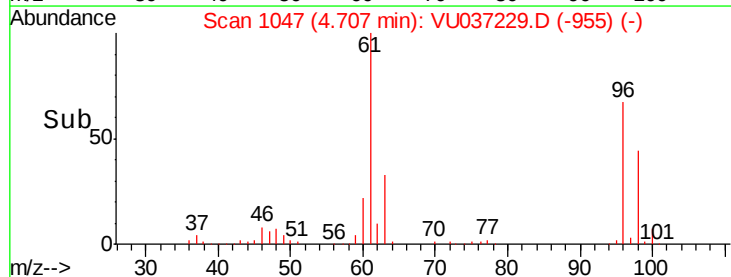
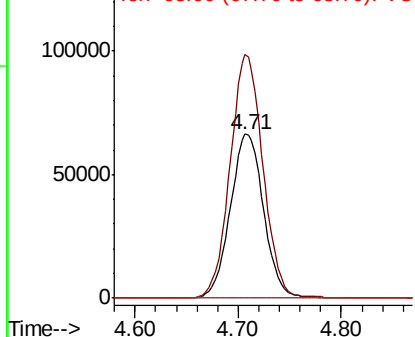


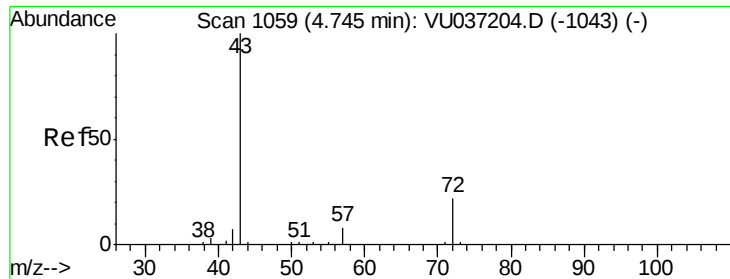
#20
 cis-1,2-Dichloroethene
 Concen: 47.245 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Tgt Ion: 96 Resp: 149124
 Ion Ratio Lower Upper
 96 100
 61 148.3 101.2 187.8
 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: 91.947 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

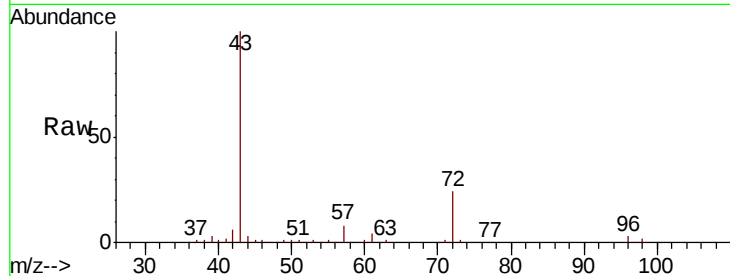
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 285212

Ion Ratio Lower Upper

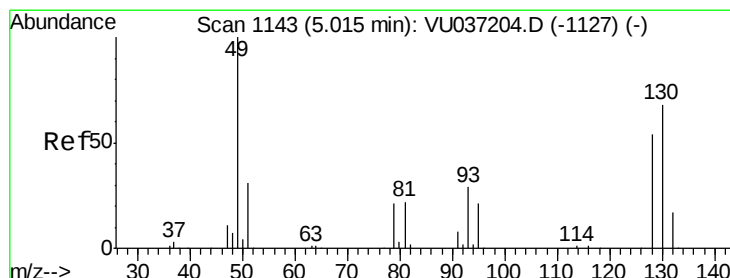
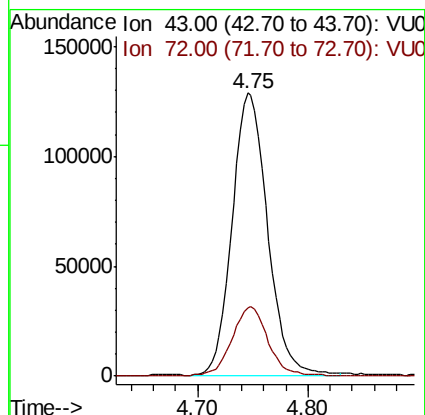
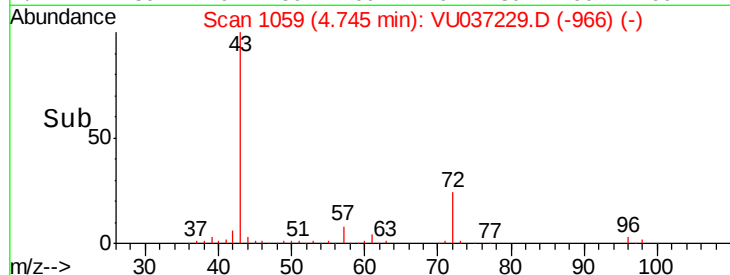
43 100

72 25.2 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU037229.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037229.D (-966) (-)



#23

Bromochloromethane

Concen: 47.833 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Tgt Ion: 128 Resp: 76138

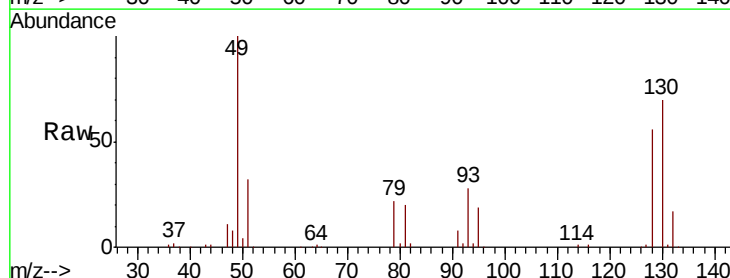
Ion Ratio Lower Upper

128 100

49 180.1 128.4 238.5

130 125.9 90.6 168.2

51 57.5 50.0 75.0

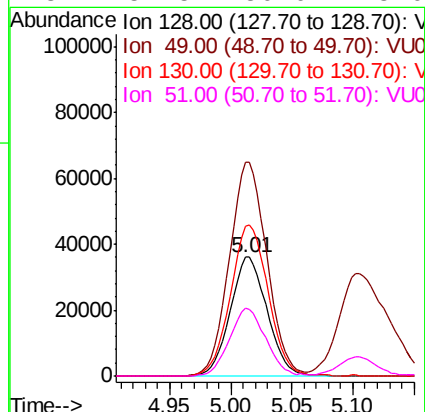
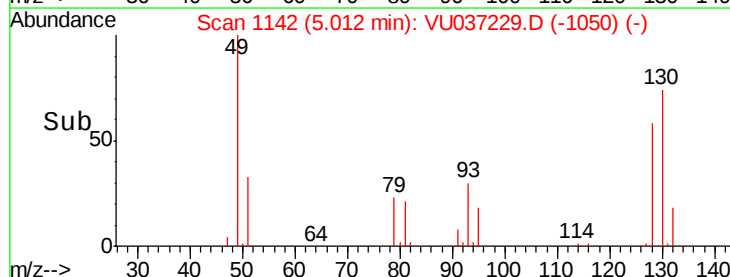


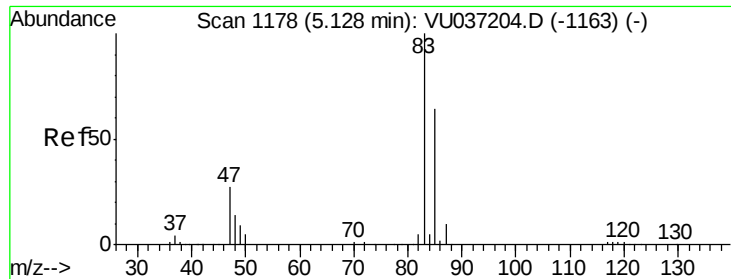
Abundance Ion 128.00 (127.70 to 128.70): VU037229.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU037229.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU037229.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU037229.D (-1050) (-)

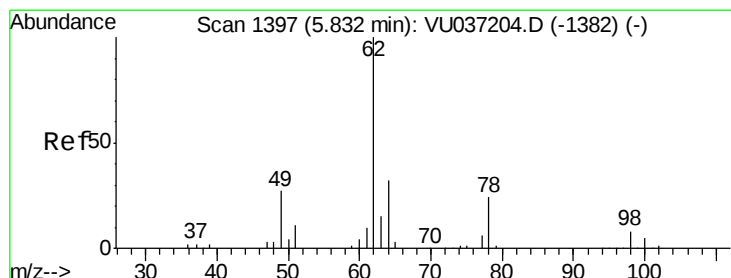
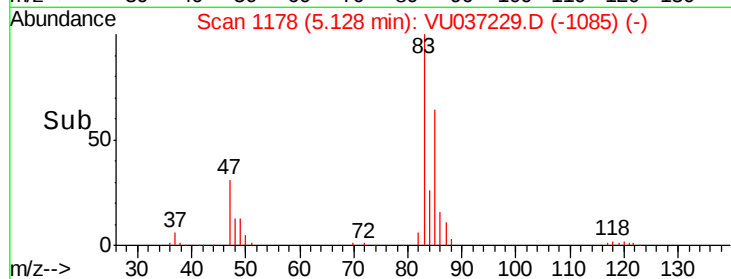
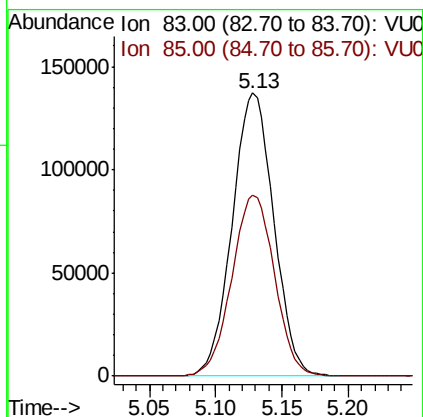
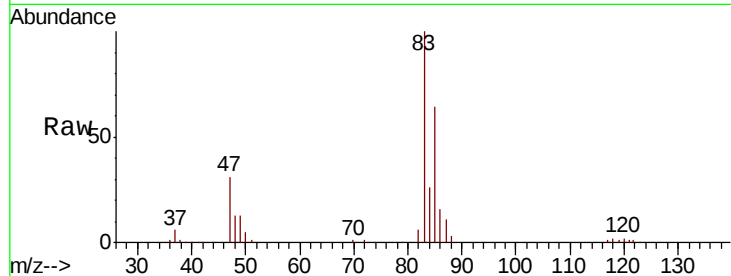




#25
Chloroform
Concen: 47.311 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

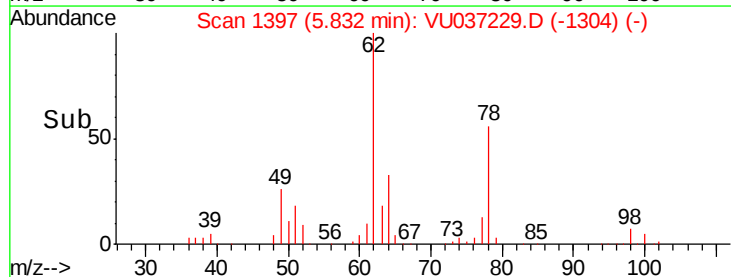
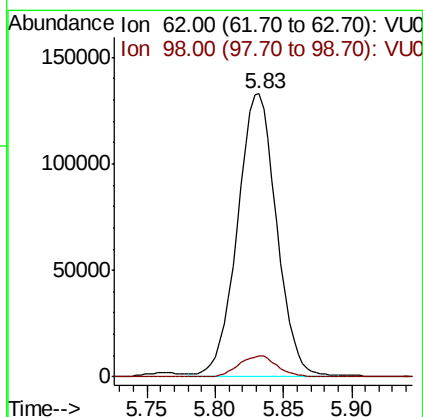
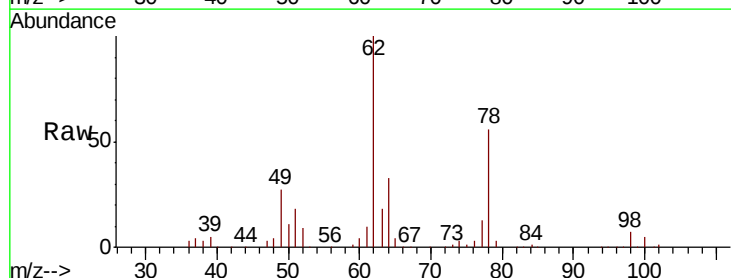
Instrument :
MSVOA_U
ClientSampled :

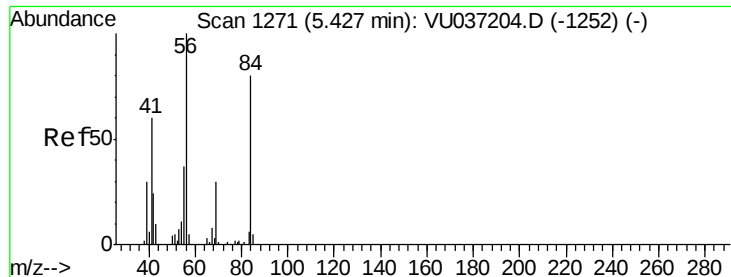
Tot Ion: 83 Resp: 298728
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 46.907 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Tgt Ion: 62 Resp: 263895
Ion Ratio Lower Upper
62 100
98 7.4 5.6 8.4





#29

Cyclohexane

Concen: 44.515 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :
MSVOA_U
ClientSampleId :

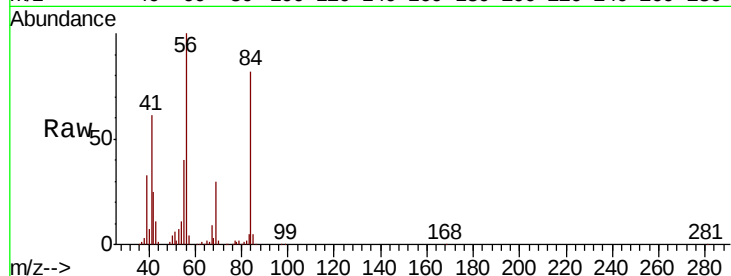
Tot Ion: 56 Resp: 221626

Ion Ratio Lower Upper

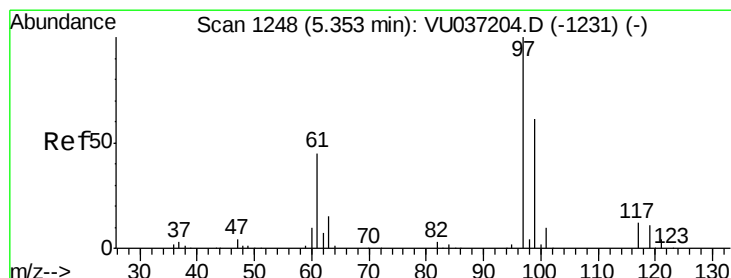
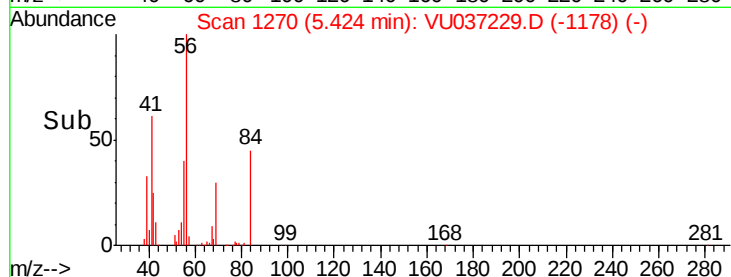
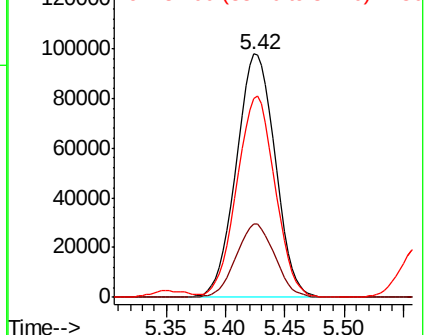
56 100

69 29.8 23.9 35.9

84 81.0 64.0 96.0



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: 47.608 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

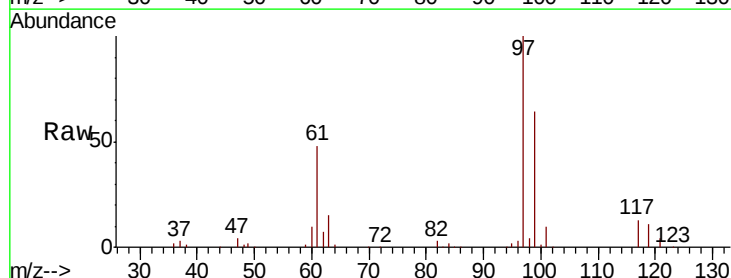
Tgt Ion: 97 Resp: 266127

Ion Ratio Lower Upper

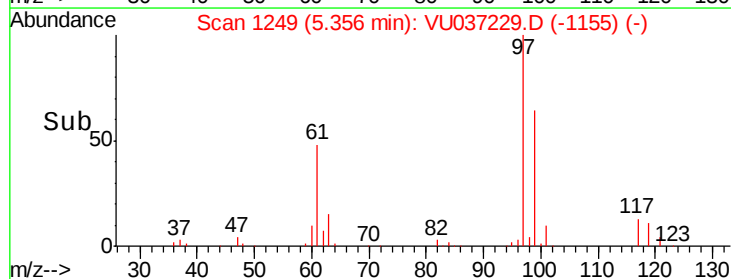
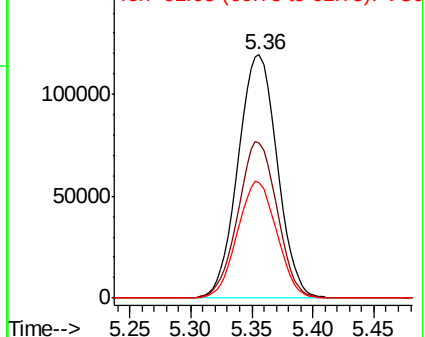
97 100

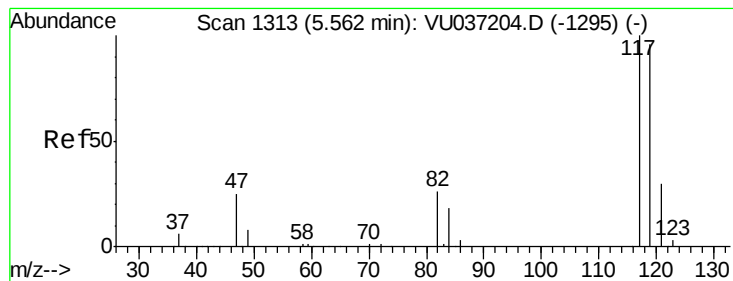
99 64.2 51.4 77.0

61 48.0 39.0 58.4



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: 47.388 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :

MSVOA_U

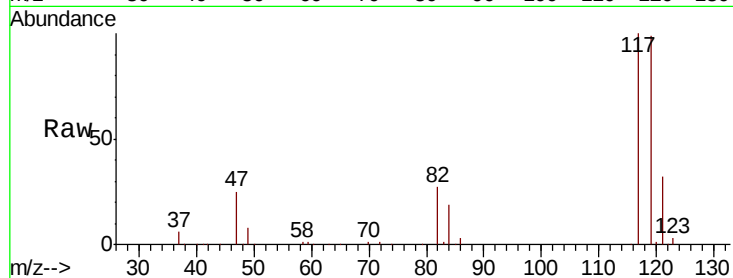
ClientSampled :

Tot Ion:117 Resp: 234050

Ion Ratio Lower Upper

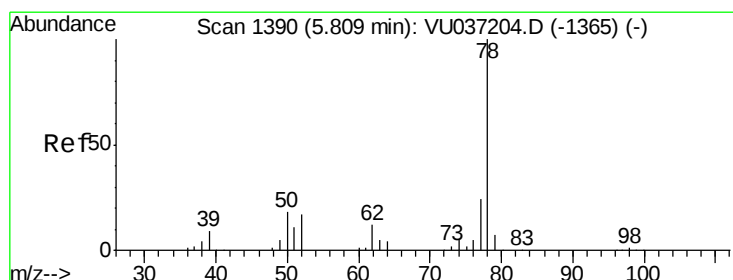
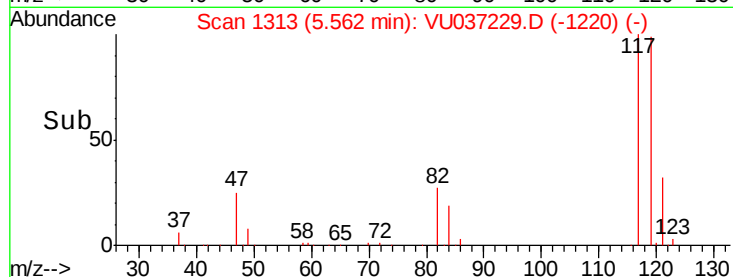
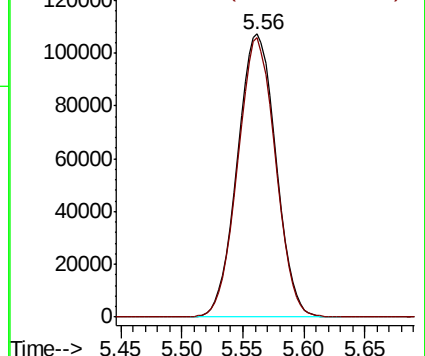
117 100

119 96.8 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: 47.498 ug/L

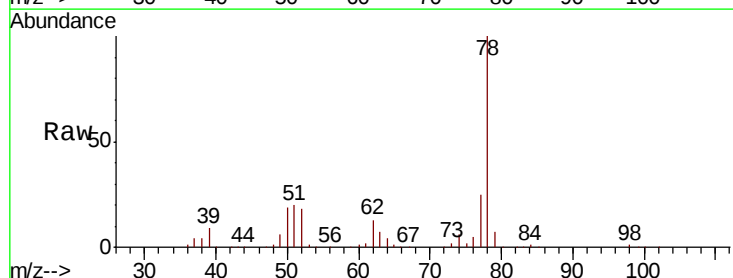
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

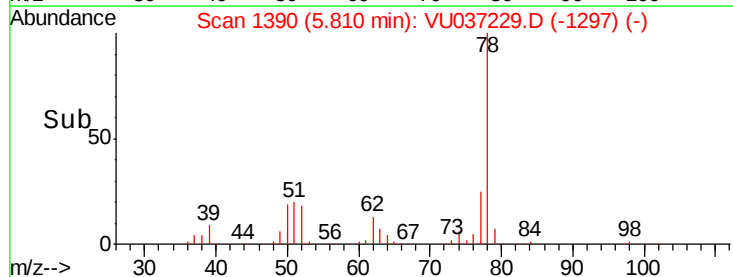
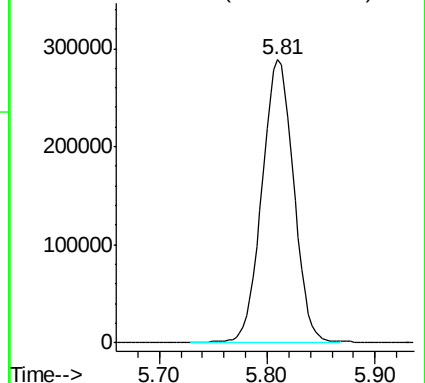
Lab File: VU037229.D

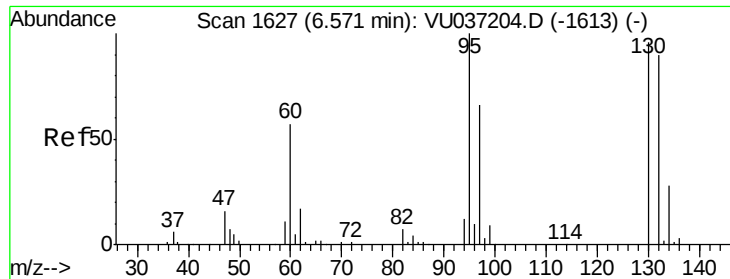
Acq: 13 Mar 2020 07:03

Tgt Ion: 78 Resp: 589603



Abundance Ion 78.00 (77.70 to 78.70): VU0

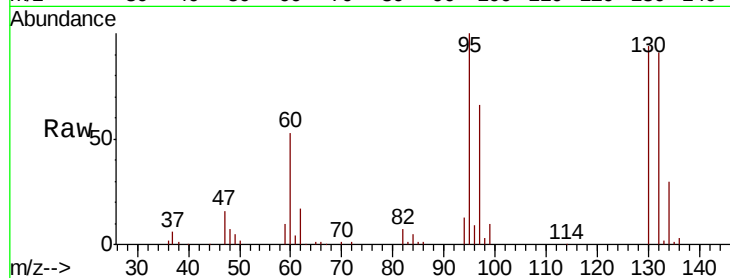




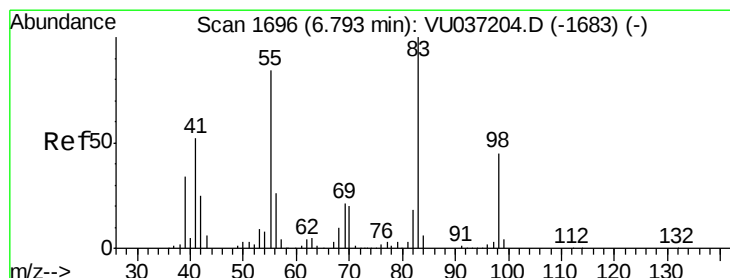
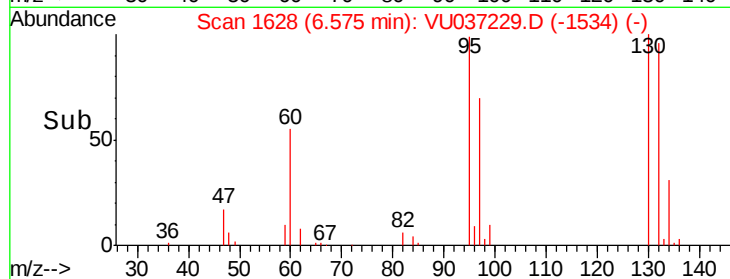
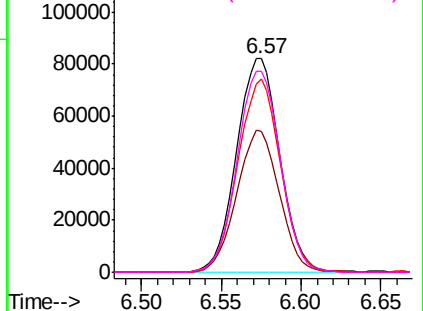
#34
 Trichloroethene
 Concen: 46.929 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 151376
 Ion Ratio Lower Upper
 95 100
 97 66.2 43.8 81.4
 132 90.6 62.6 116.3
 130 94.1 64.8 120.4

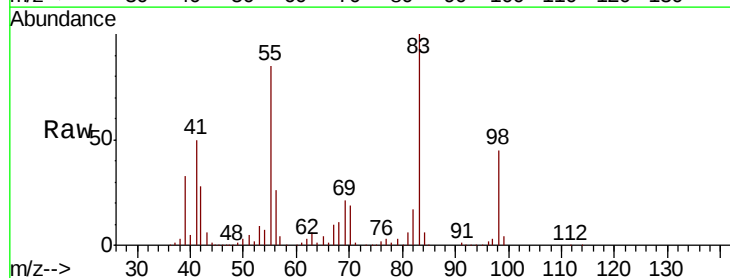


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

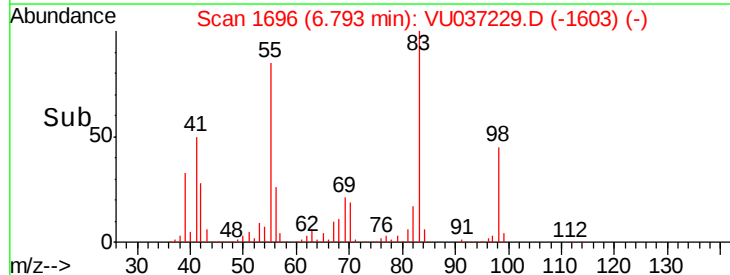
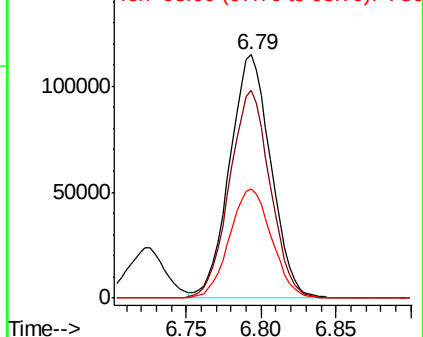


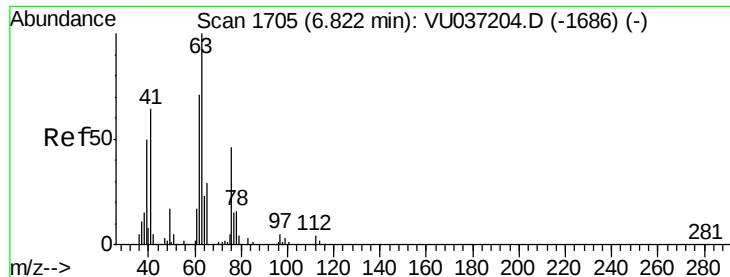
#35
 Methylcyclohexane
 Concen: 44.971 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Tgt Ion: 83 Resp: 219616
 Ion Ratio Lower Upper
 83 100
 55 84.3 68.2 102.2
 98 45.7 36.4 54.6



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: 46.015 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :

MSVOA_U

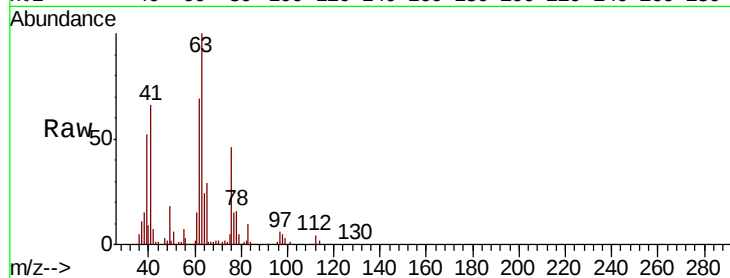
ClientSampleId :

Tot Ion: 63 Resp: 162362

Ion Ratio Lower Upper

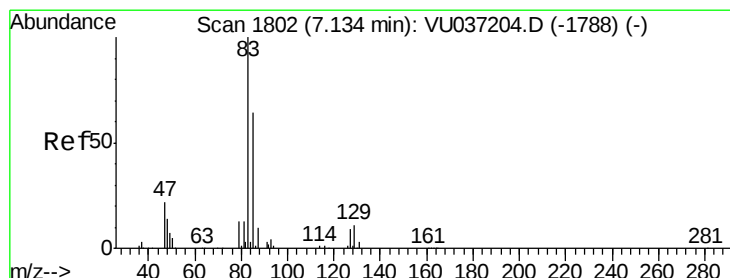
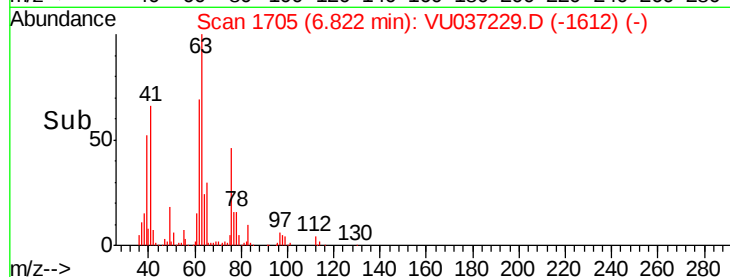
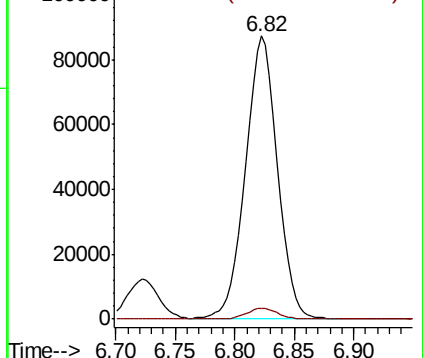
63 100

112 3.8 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037229.D (-1612) (-)

Ion 112.00 (111.70 to 112.70): VU037229.D (-1612) (-)



#38

Bromodichloromethane

Concen: 46.506 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

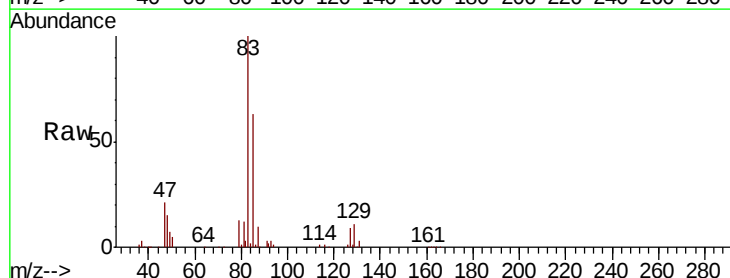
Tgt Ion: 83 Resp: 229415

Ion Ratio Lower Upper

83 100

85 63.2 45.7 84.9

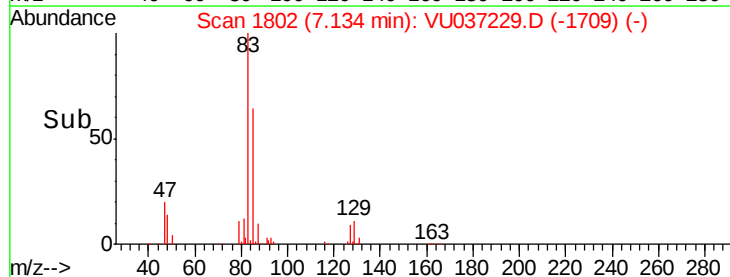
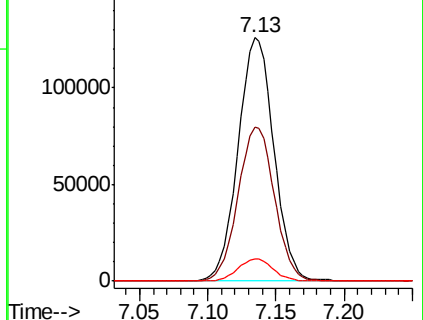
127 9.2 6.7 10.1

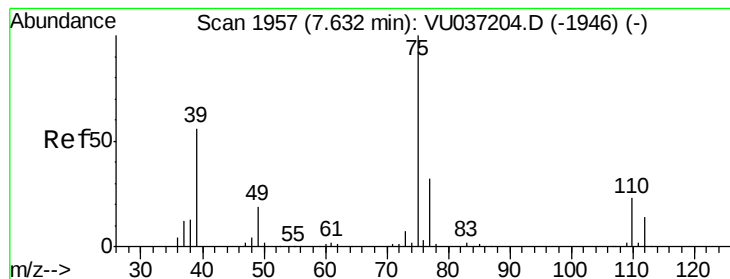


Abundance Ion 83.00 (82.70 to 83.70): VU037229.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037229.D (-1709) (-)

Ion 127.00 (126.70 to 127.70): VU037229.D (-1709) (-)



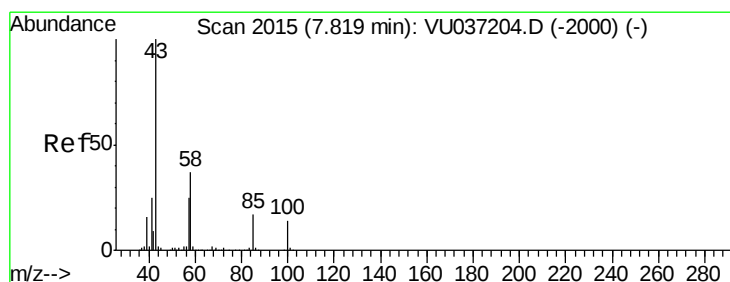
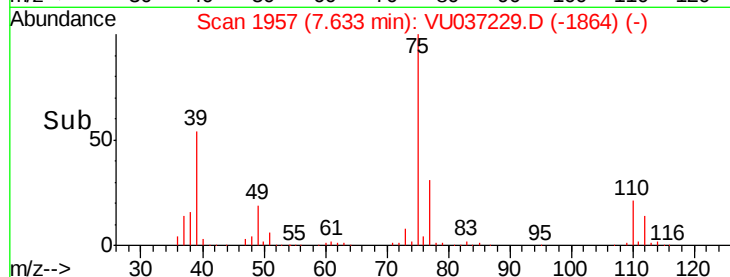
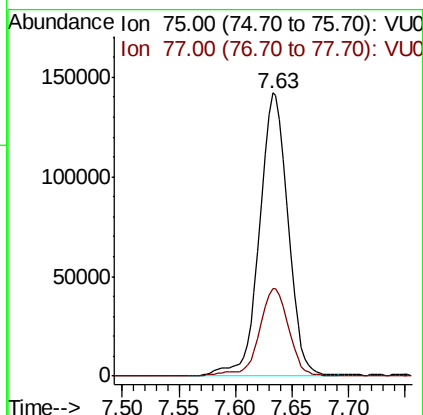
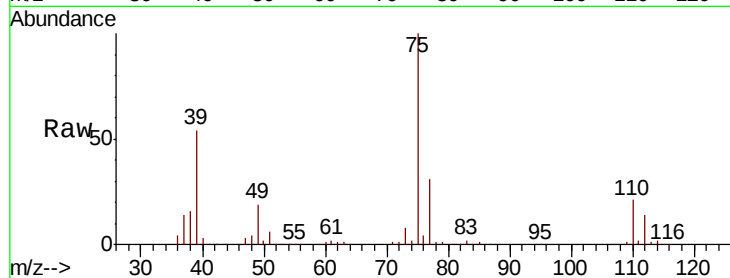


#39

cis-1,3-Dichloropropene
Concen: 45.744 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Instrument :
MSVOA_U
ClientSampleId :

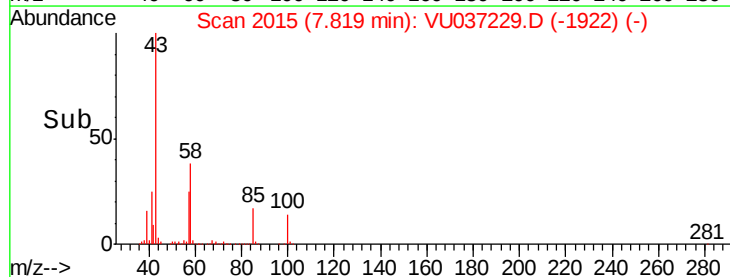
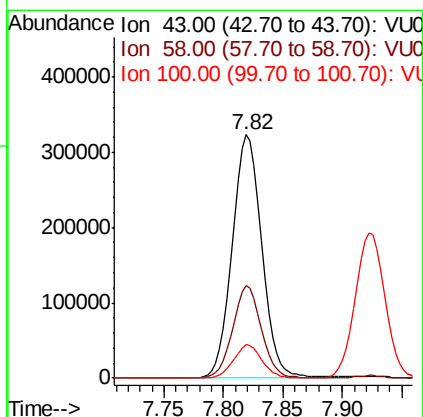
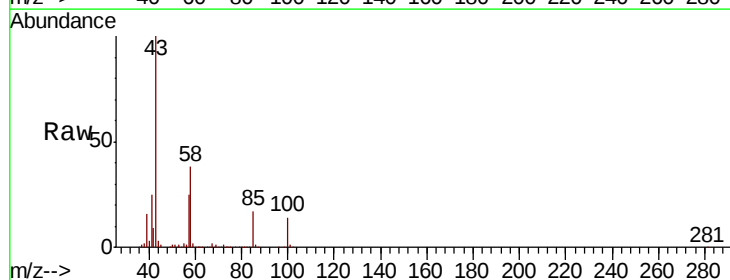
Tot Ion: 75 Resp: 250268
Ion Ratio Lower Upper
75 100
77 30.8 22.5 41.9

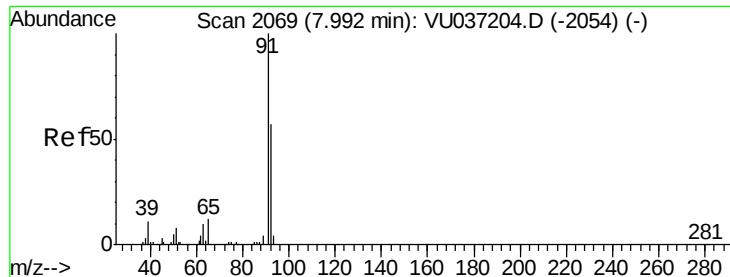


#40

4-Methyl-2-pentanone
Concen: 97.286 ug/L
RT: 7.82 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Tgt Ion: 43 Resp: 558793
Ion Ratio Lower Upper
43 100
58 36.6 29.3 43.9
100 13.2 10.3 15.5





#42

Toluene

Concen: 47.575 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

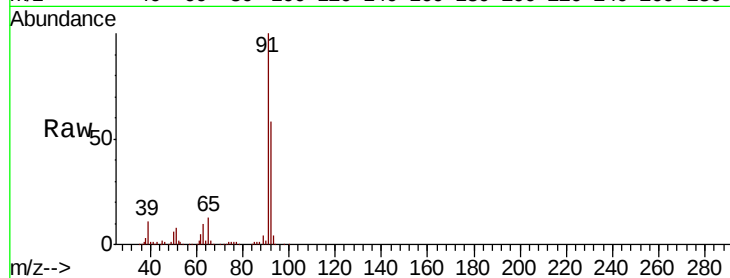
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 644905

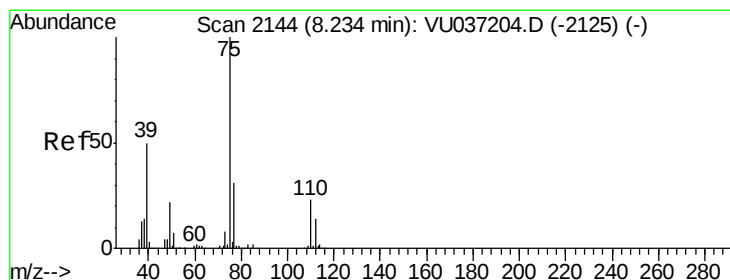
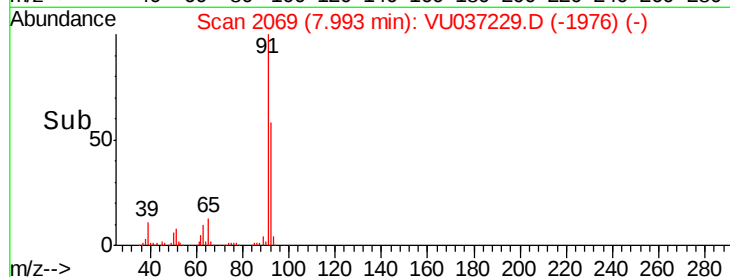
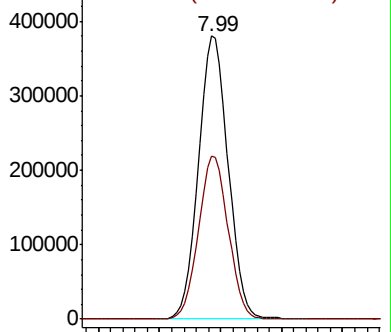
Ion Ratio Lower Upper

91 100

92 57.6 39.1 72.5



Abundance Ion 91.00 (90.70 to 91.70): VU037204.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 45.494 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037229.D

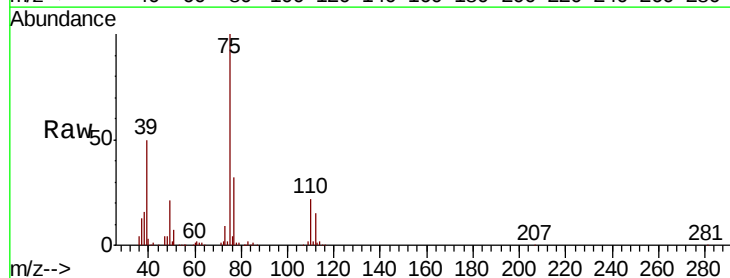
Acq: 13 Mar 2020 07:03

Tgt Ion: 75 Resp: 235005

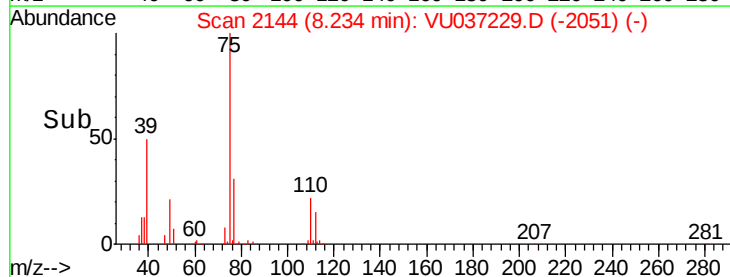
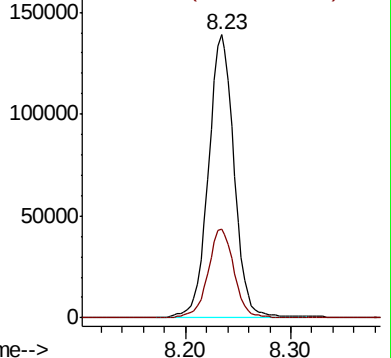
Ion Ratio Lower Upper

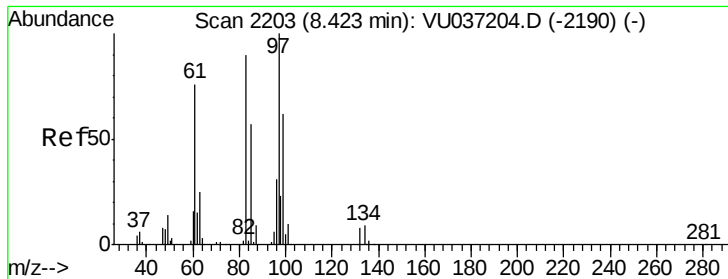
75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU037204.D (-2125) (-)

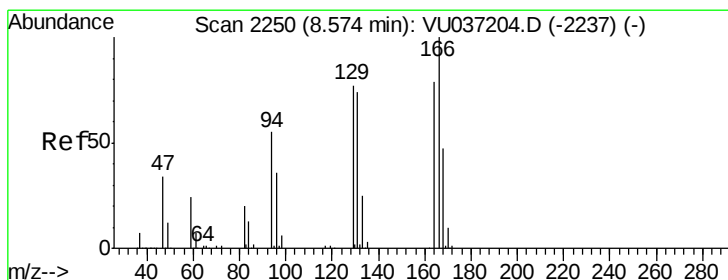
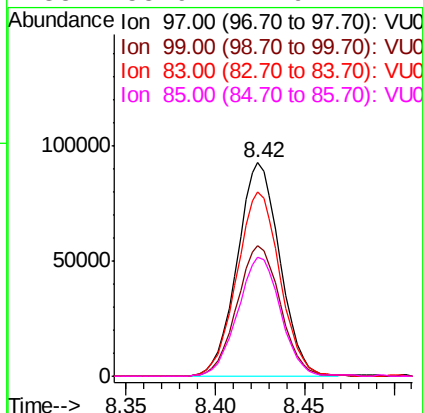
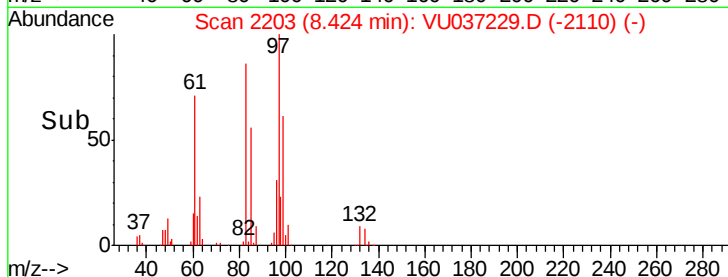
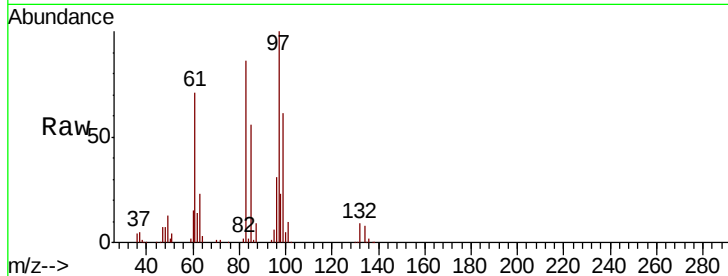




#45
 1,1,2-Trichloroethane
 Concen: 47.917 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

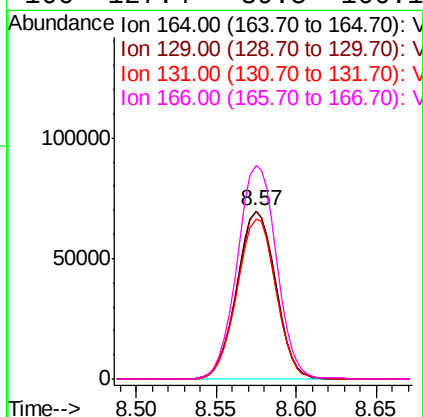
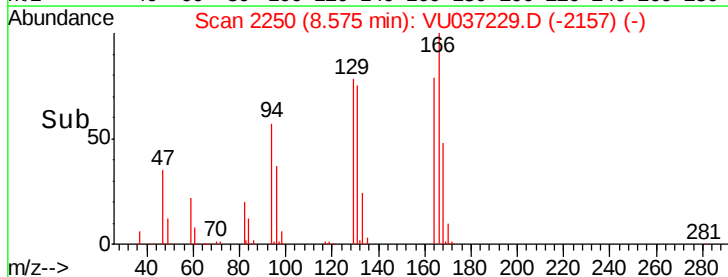
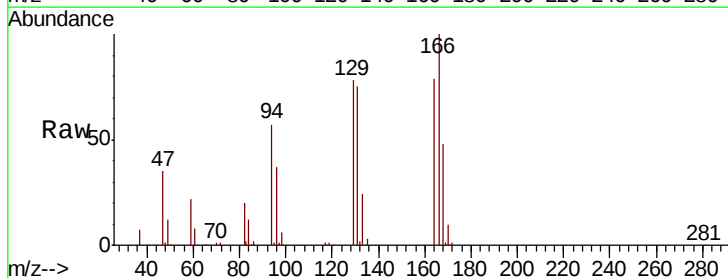
Instrument :
 MSVOA_U
 ClientSampleId :

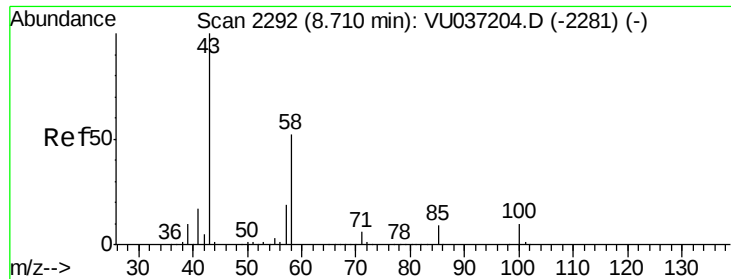
Tot Ion:	97	Resp:	153945
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.5	80.9
83	86.3	62.4	116.0
85	55.9	41.9	77.7



#46
 Tetrachloroethene
 Concen: 48.212 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Tgt Ion:	164	Resp:	115535
Ion	Ratio	Lower	Upper
164	100		
129	99.7	72.4	134.5
131	95.6	67.1	124.7
166	127.4	89.5	166.1

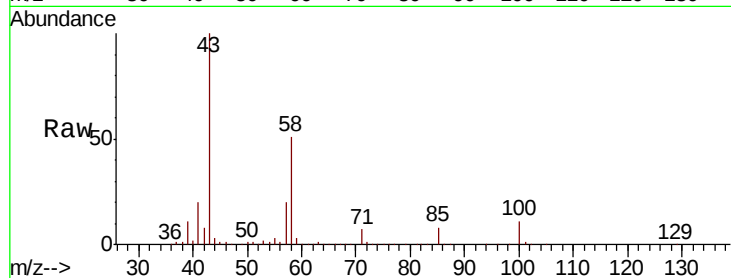




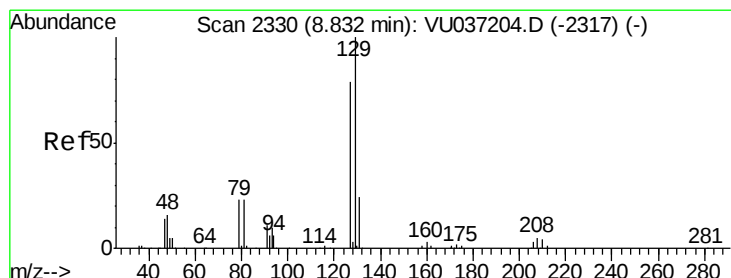
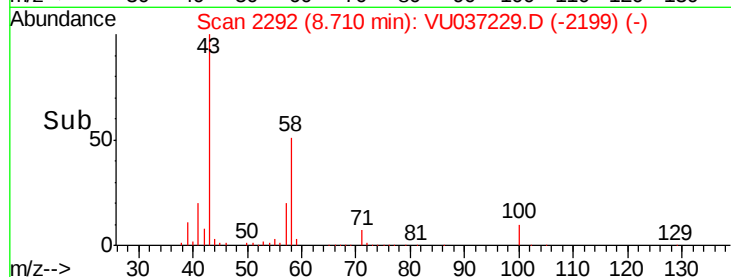
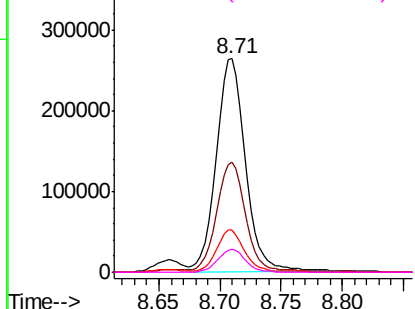
#48
2-Hexanone
Concen: 97.775 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 442574
Ion Ratio Lower Upper
43 100
58 51.4 39.8 59.6
57 18.4 14.5 21.7
100 10.4 7.9 11.9

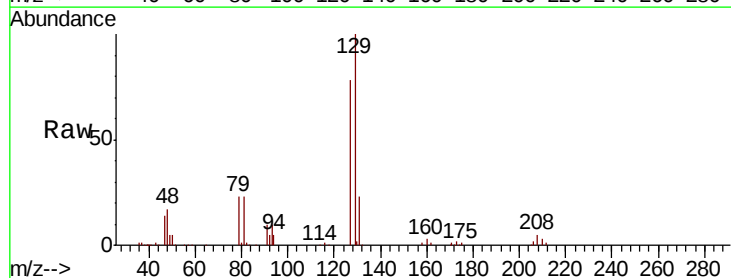


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

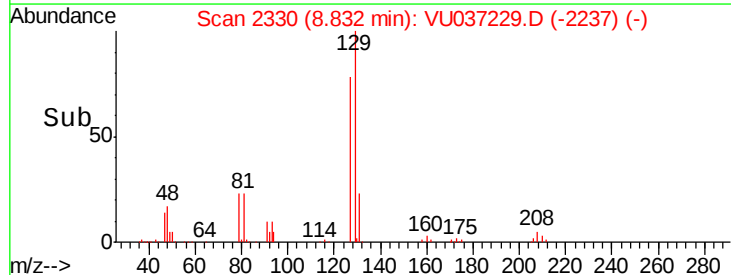
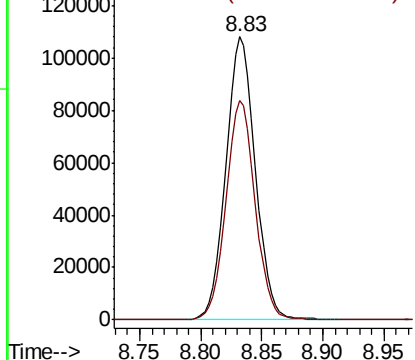


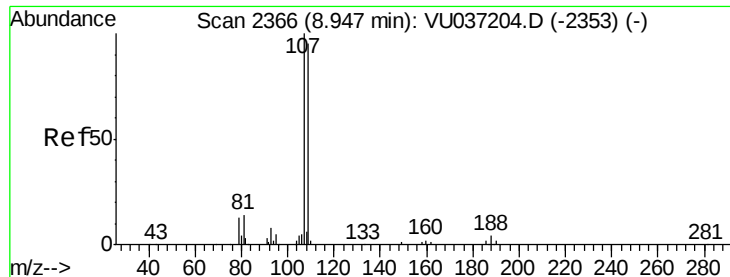
#49
Dibromochloromethane
Concen: 48.413 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Tgt Ion: 129 Resp: 182988
Ion Ratio Lower Upper
129 100
127 77.6 53.8 100.0



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

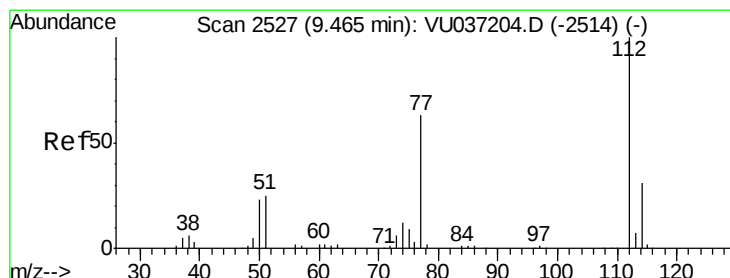
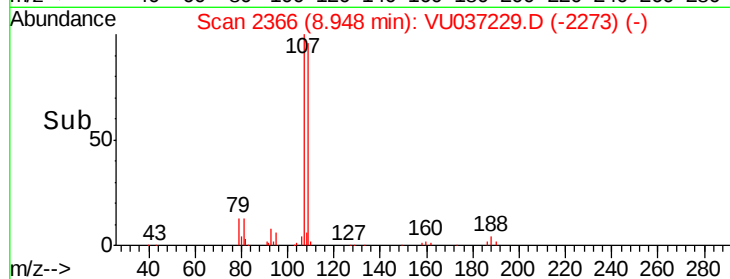
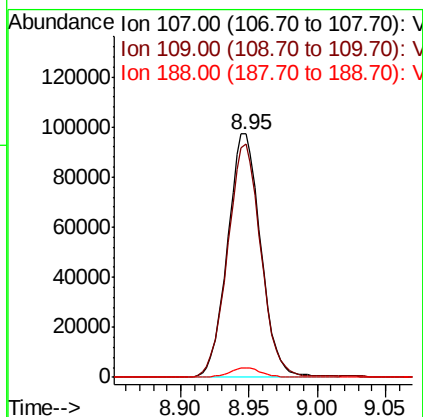
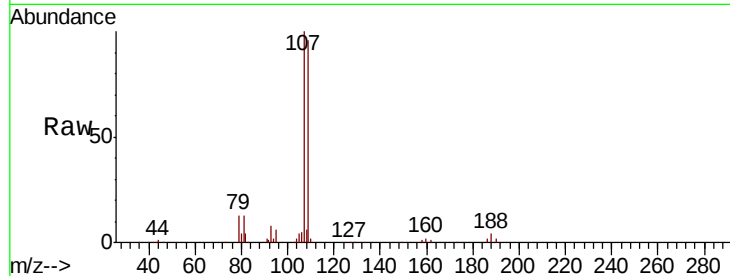




#50
 1,2-Dibromoethane
 Concen: 47.485 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

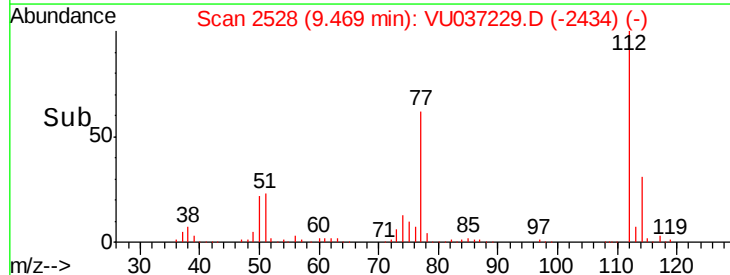
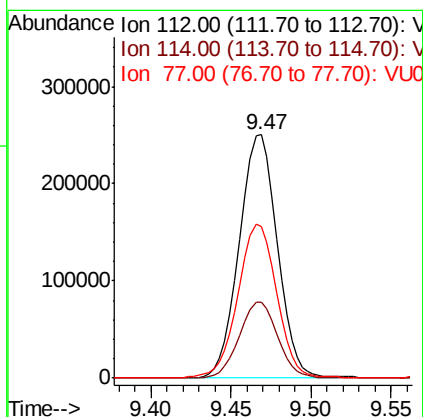
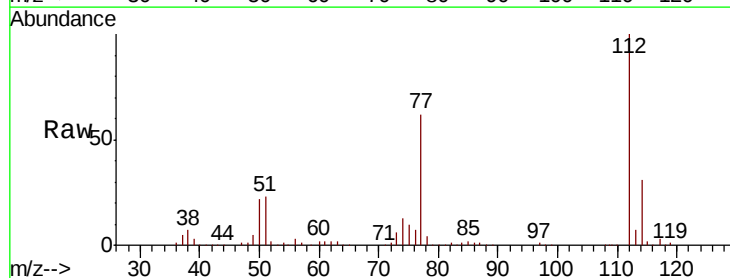
Instrument :
 MSVOA_U
 ClientSampleId :

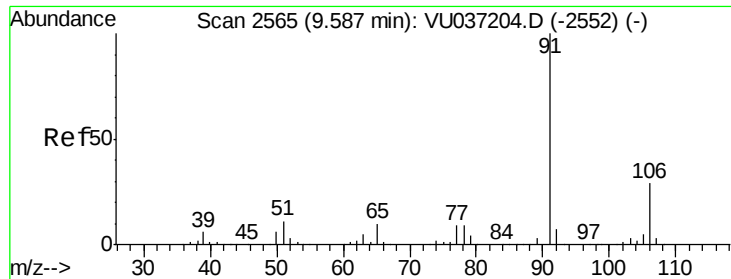
Tot Ion:107 Resp: 164635
 Ion Ratio Lower Upper
 107 100
 109 95.6 66.5 123.5
 188 3.9 2.6 4.0



#51
 Chlorobenzene
 Concen: 47.775 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Tgt Ion:112 Resp: 407276
 Ion Ratio Lower Upper
 112 100
 114 31.2 22.6 42.0
 77 62.2 51.0 76.4

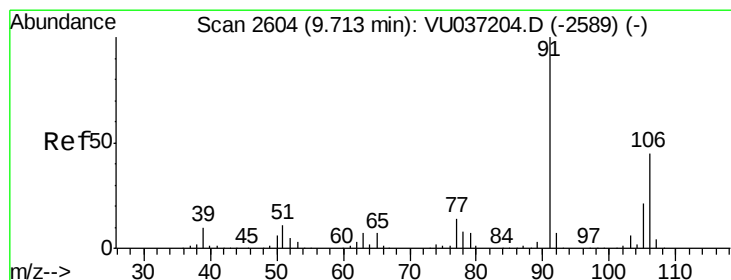
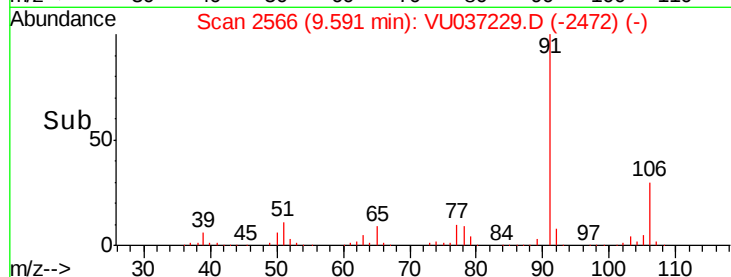
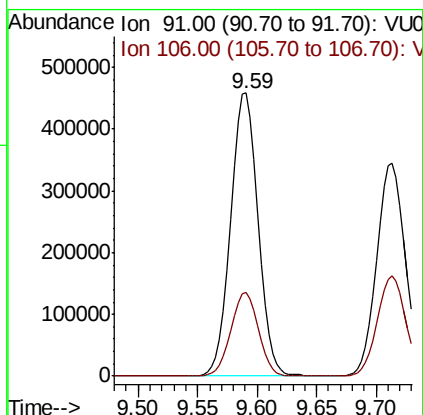
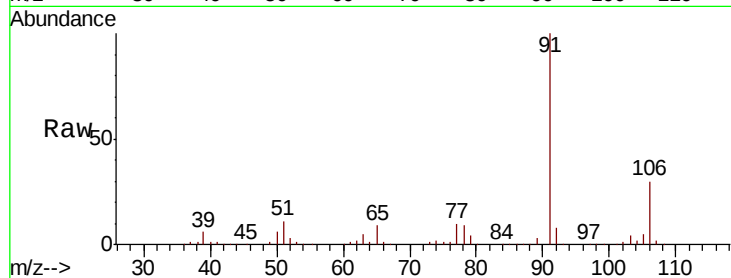




#52
Ethylbenzene
Concen: 46.760 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

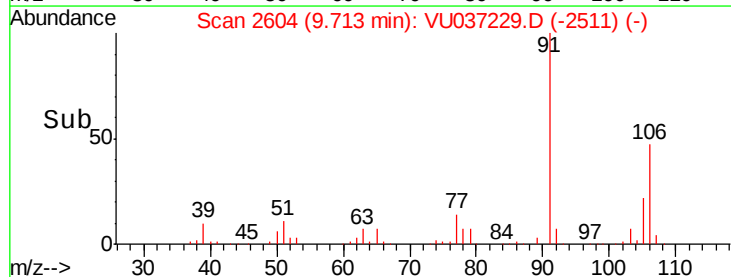
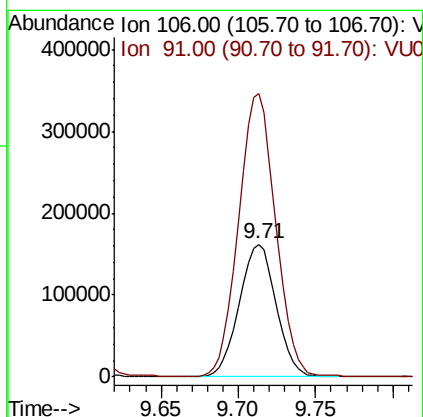
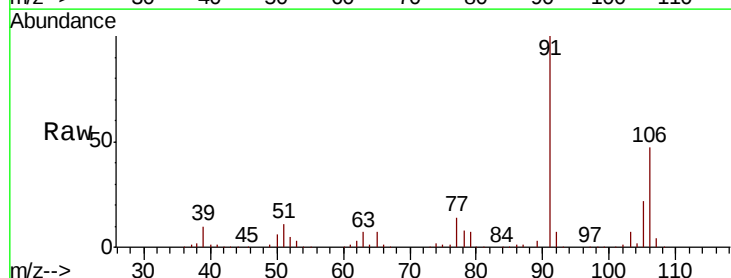
Instrument :
MSVOA_U
ClientSampled :

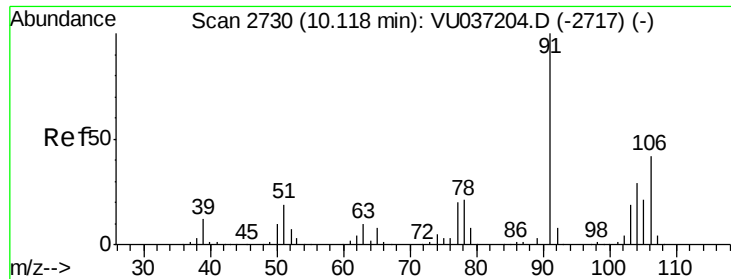
Tot Ion: 91 Resp: 733946
Ion Ratio Lower Upper
91 100
106 29.6 20.2 37.6



#53
m,p-Xylene
Concen: 48.236 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Tgt Ion: 106 Resp: 267788
Ion Ratio Lower Upper
106 100
91 212.9 154.0 286.0

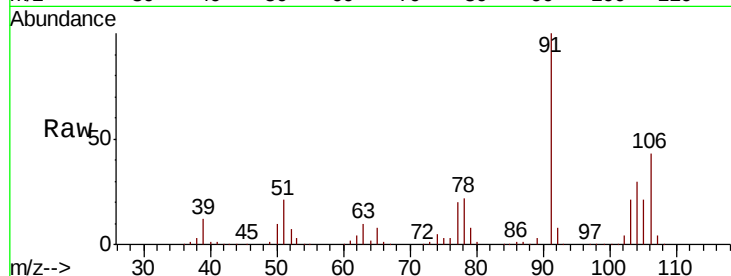




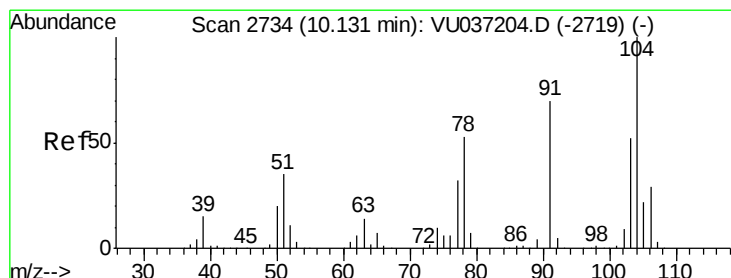
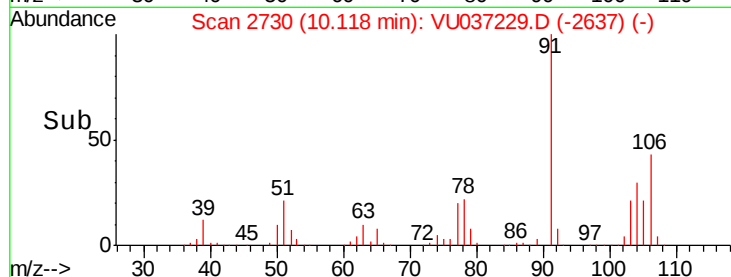
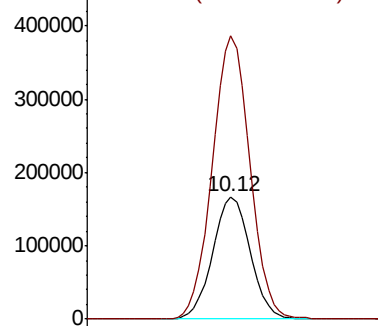
#54
o-xylene
Concen: 47.926 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 262867
Ion Ratio Lower Upper
106 100
91 231.5 167.6 311.2

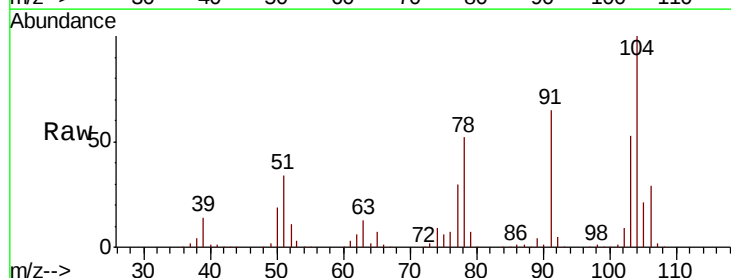


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

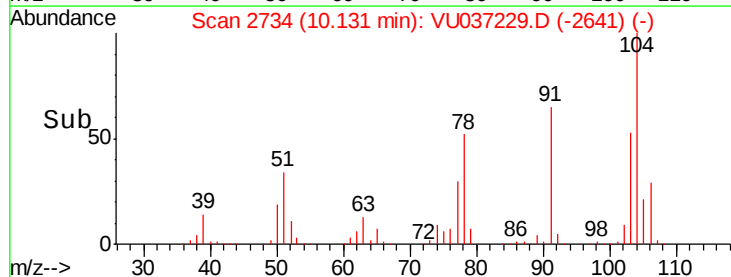
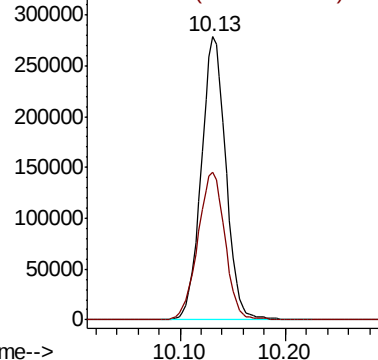


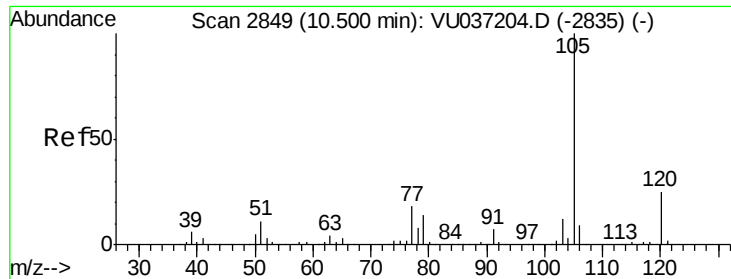
#55
Styrene
Concen: 48.226 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037229.D
Acq: 13 Mar 2020 07:03

Tgt Ion:104 Resp: 448572
Ion Ratio Lower Upper
104 100
78 52.3 37.4 69.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 47.441 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :

MSVOA_U

ClientSampled :

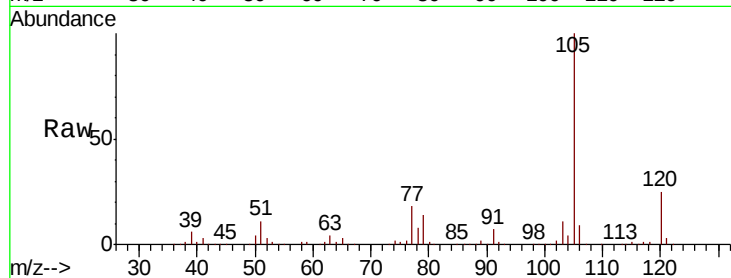
Tot Ion:105 Resp: 723255

Ion Ratio Lower Upper

105 100

120 25.1 19.9 29.9

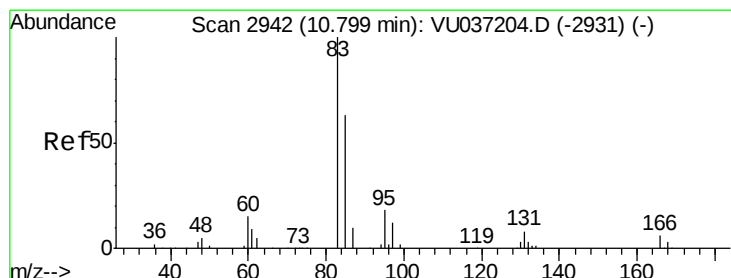
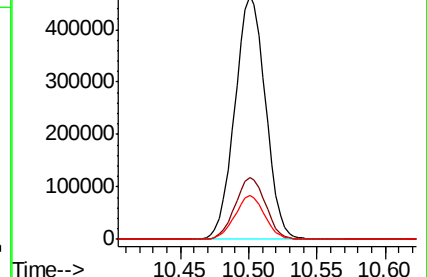
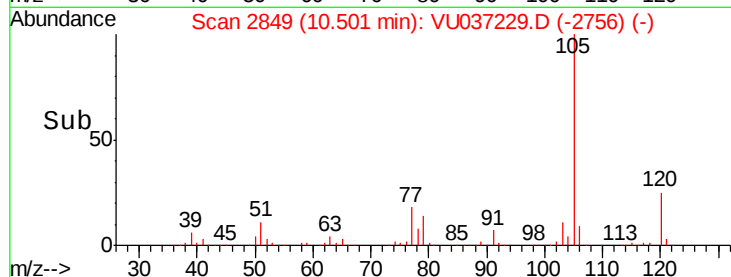
77 17.5 14.1 21.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.584 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

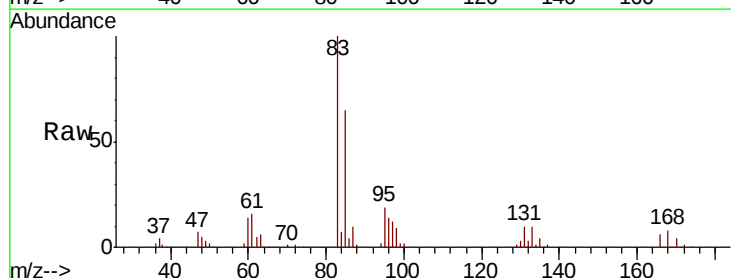
Tgt Ion: 83 Resp: 279055

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.2

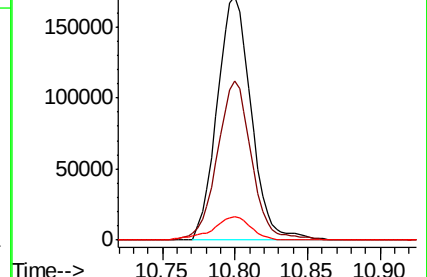
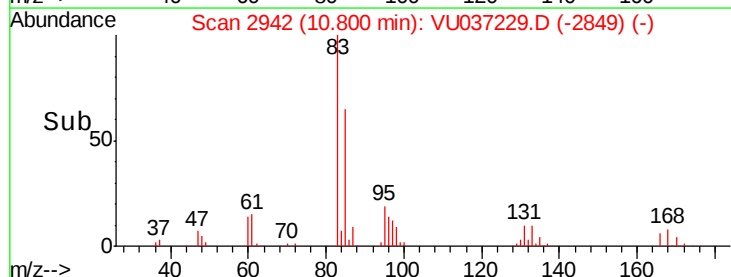
131 9.7 7.7 11.5

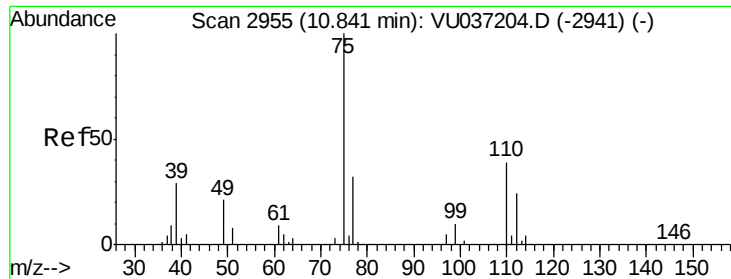


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

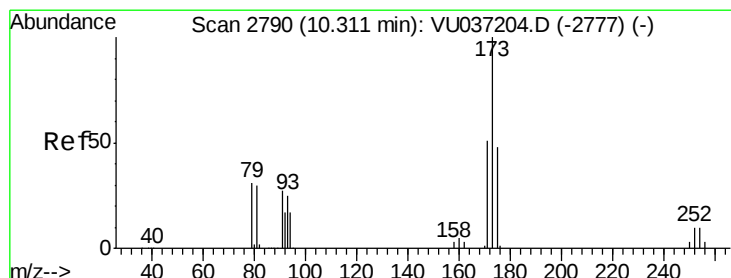
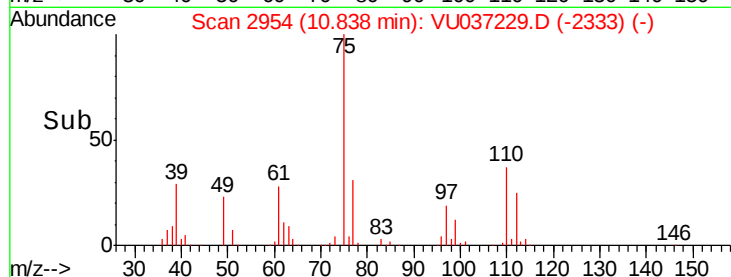
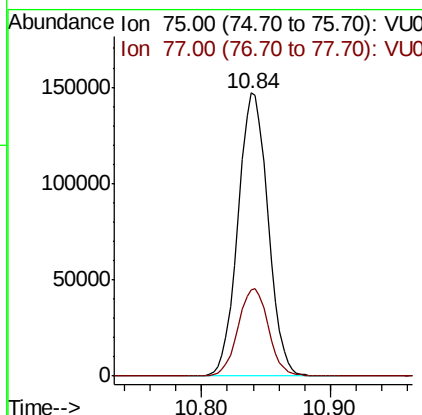
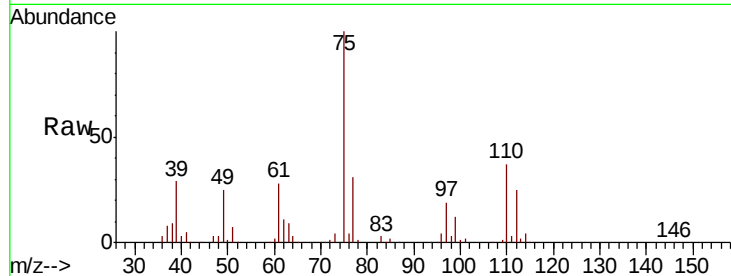




#59
 1,2,3-Trichloropropane
 Concen: 48.615 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

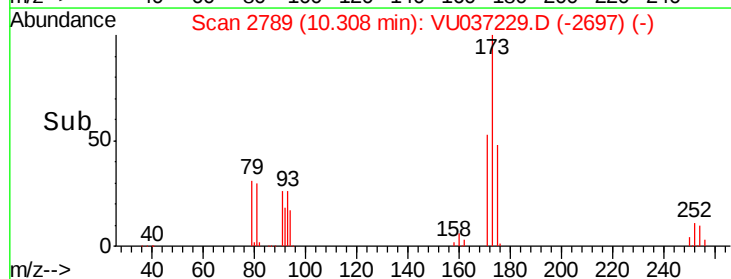
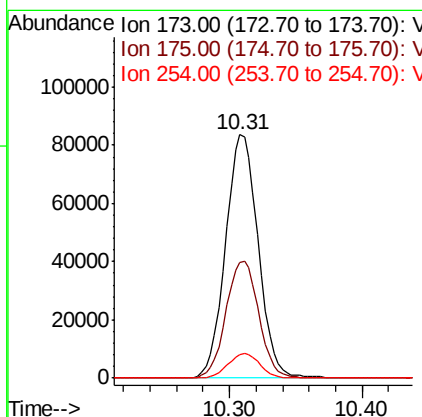
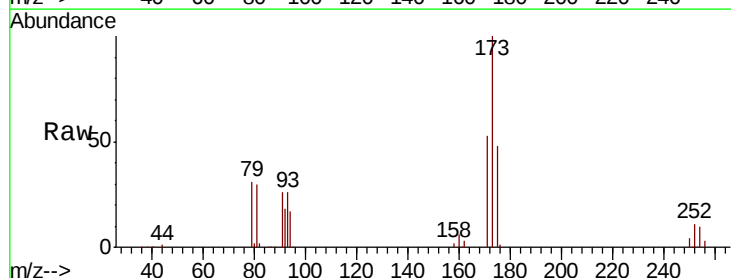
Instrument :
 MSVOA_U
 ClientSampleId :

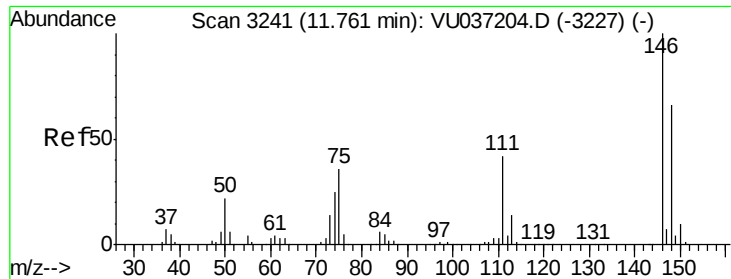
Tot Ion: 75 Resp: 238448
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.6



#61
 Bromoform
 Concen: 48.997 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Tgt Ion: 173 Resp: 142785
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.3 57.5
 254 9.9 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 48.121 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :

MSVOA_U

ClientSampleId :

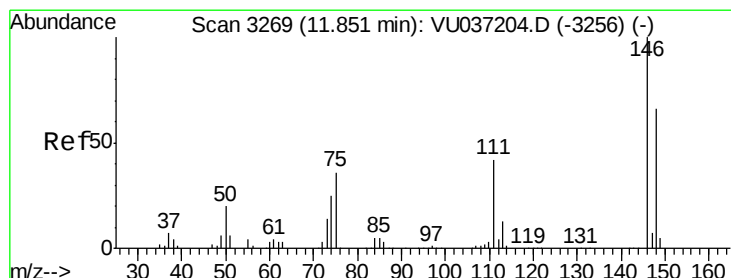
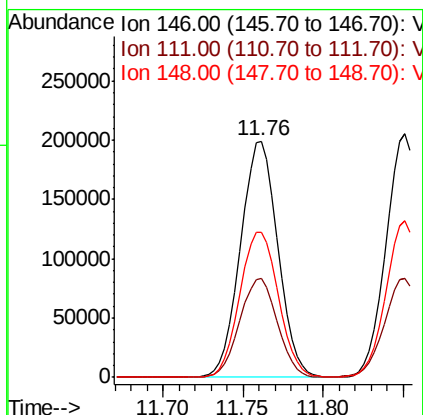
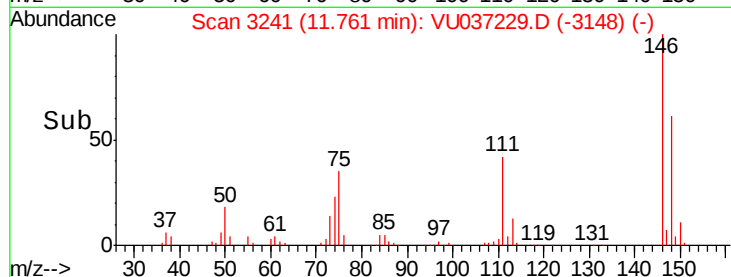
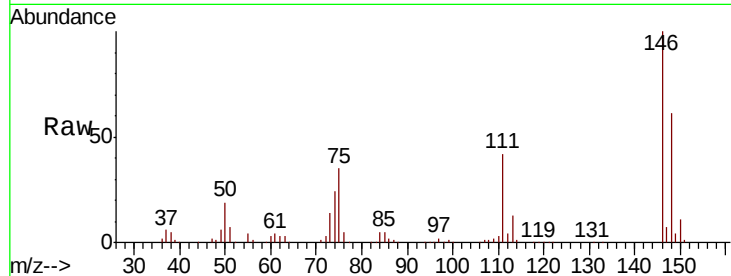
Tot Ion:146 Resp: 318232

Ion Ratio Lower Upper

146 100

111 41.7 29.2 54.2

148 61.1 45.8 85.0



#63

1,4-Dichlorobenzene

Concen: 47.860 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

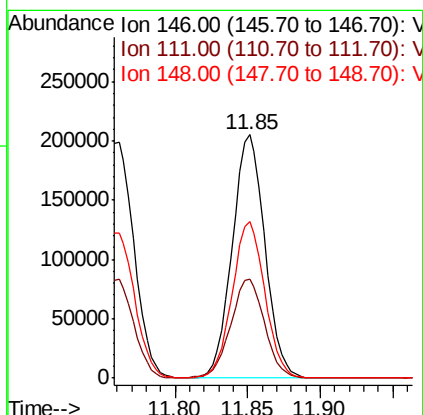
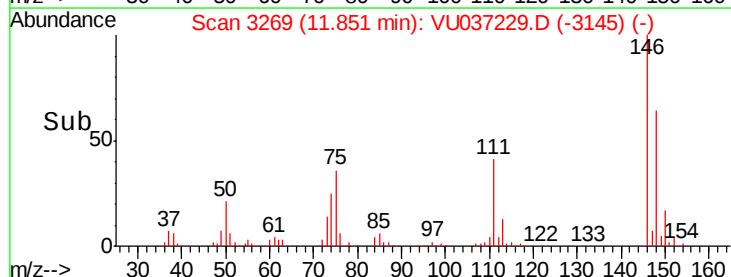
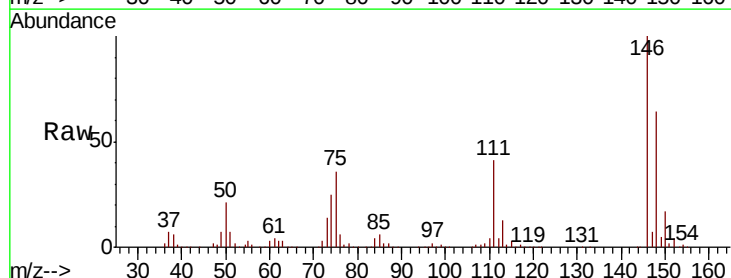
Tgt Ion:146 Resp: 319891

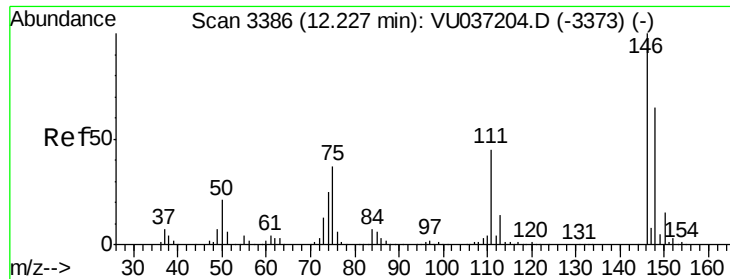
Ion Ratio Lower Upper

146 100

111 40.7 28.5 52.9

148 64.1 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 48.553 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Instrument :

MSVOA_U

ClientSampled :

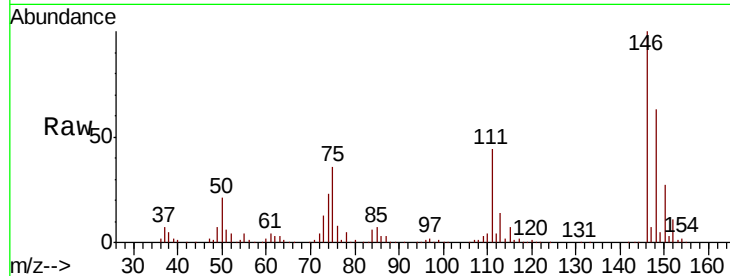
Tot Ion:146 Resp: 327946

Ion Ratio Lower Upper

146 100

111 43.7 37.4 56.2

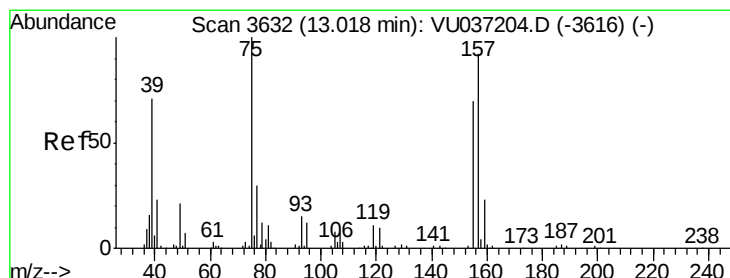
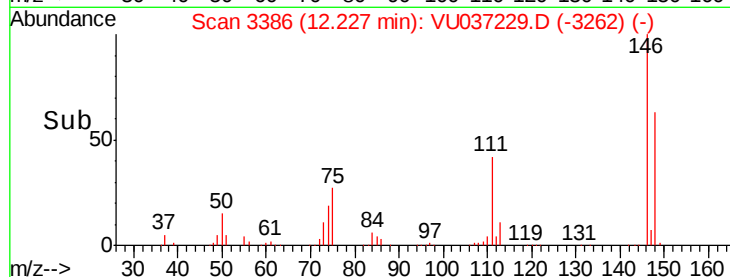
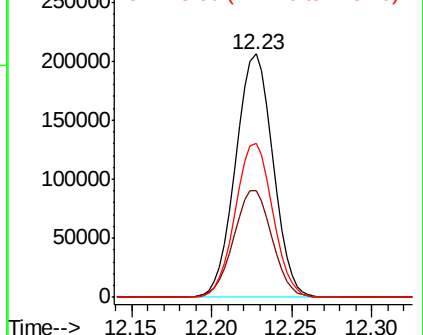
148 63.3 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 49.426 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

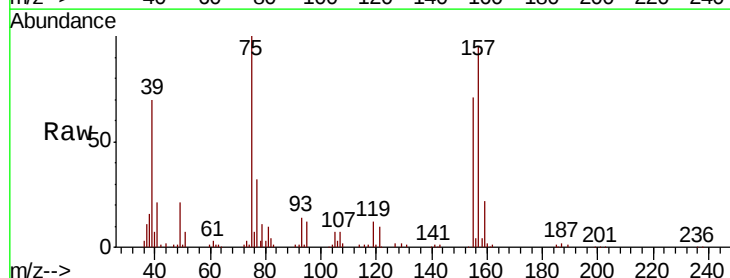
Tgt Ion: 75 Resp: 73601

Ion Ratio Lower Upper

75 100

155 71.2 59.0 88.4

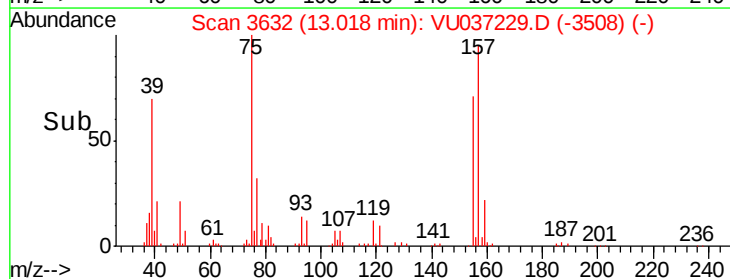
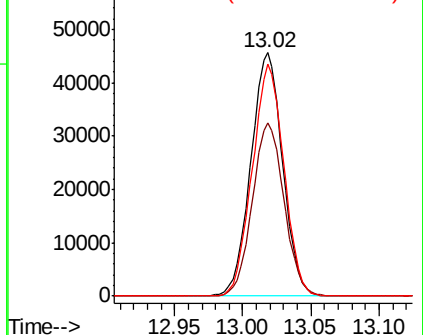
157 95.1 69.9 104.9

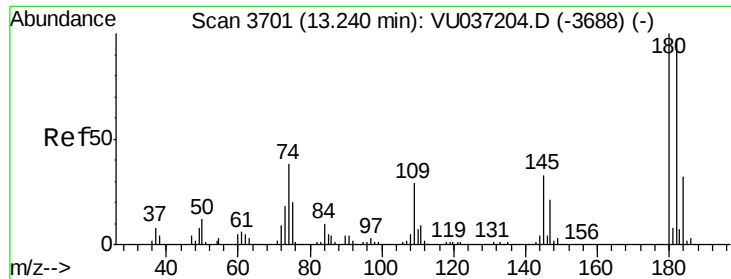


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

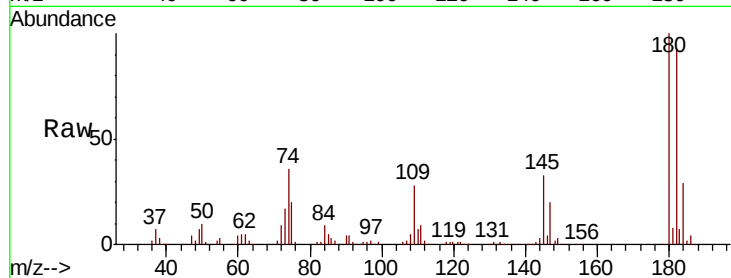




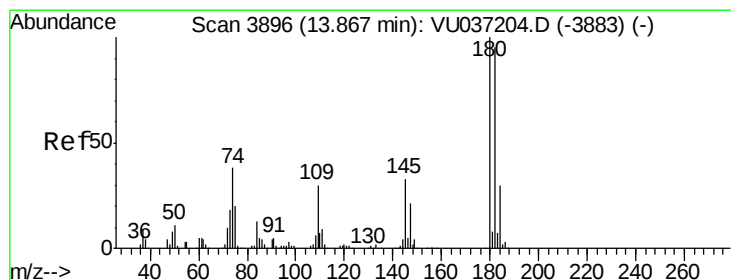
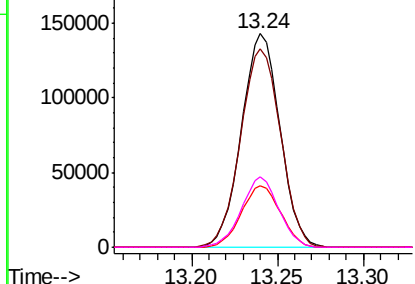
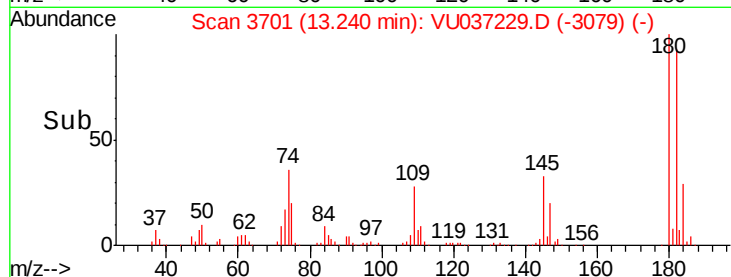
#67
 1,3,5-Trichlorobenzene
 Concen: 46.333 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	223303
Ion	Ratio	Lower Upper
180	100	
182	96.1	75.8 113.8
184	29.3	24.5 36.7
145	31.7	25.9 38.9

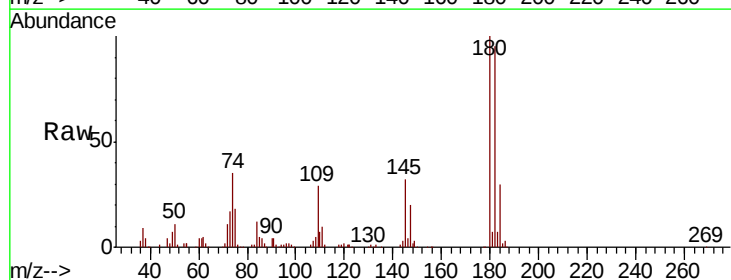


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

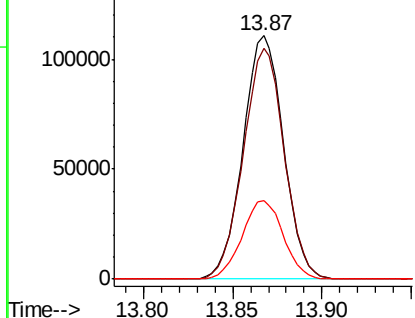
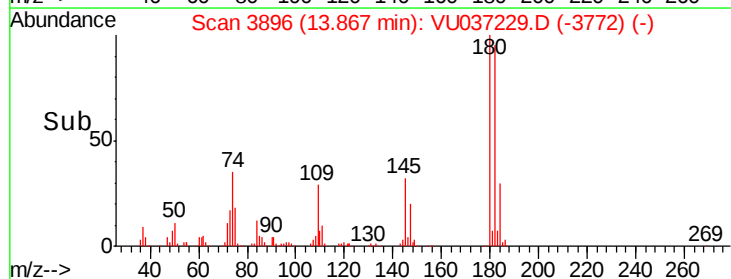


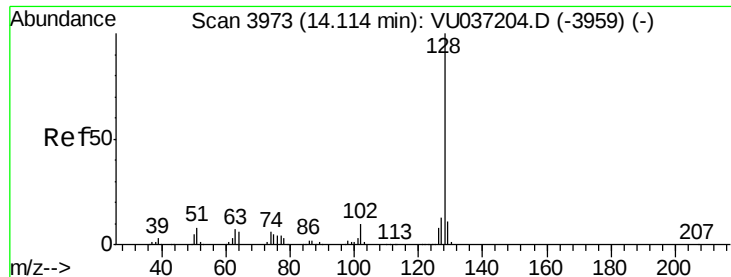
#68
 1,2,4-trichlorobenzene
 Concen: 46.666 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037229.D
 Acq: 13 Mar 2020 07:03

Tgt Ion:180	Resp:	175622
Ion	Ratio	Lower Upper
180	100	
182	95.5	75.9 113.9
145	32.8	26.7 40.1



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: 45.630 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

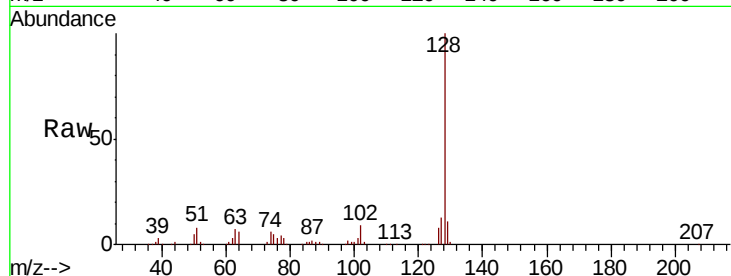
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 260425

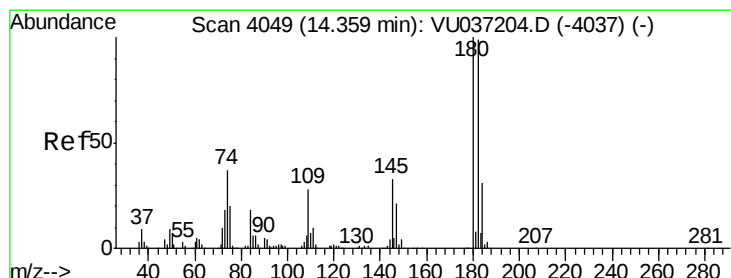
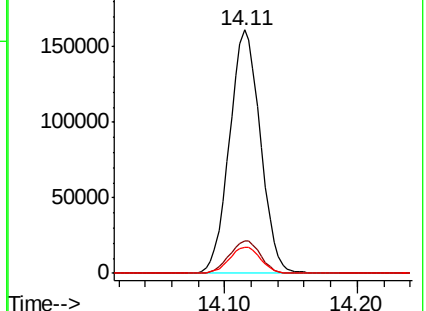
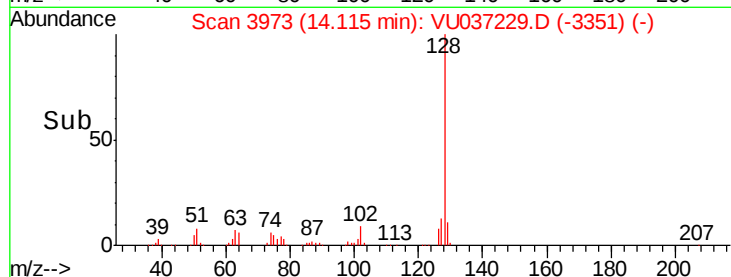
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	10.9	8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.638 ug/L

RT: 14.36 min Scan# 4049

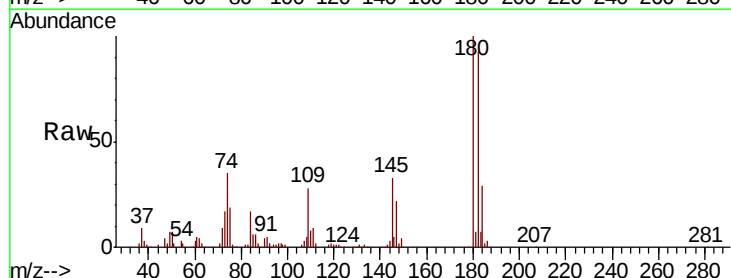
Delta R.T. 0.00 min

Lab File: VU037229.D

Acq: 13 Mar 2020 07:03

Tgt Ion:180 Resp: 188137

Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.8	116.6
145	33.4	27.4	41.0



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

