

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037127.D
 Acq On : 06 Mar 2020 22:20
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 07 00:05:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	273501	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	266139	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92103	40.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.20%
7) Chloroethane-d5	1.93	69	86267	45.39	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.78%
11) 1,1-Dichloroethene-d2	2.59	63	168187	43.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.46%
21) 2-Butanone-d5	4.67	46	143839	93.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.36%
24) Chloroform-d	5.11	84	163908	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
26) 1,2-Dichloroethane-d4	5.74	65	108925	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
32) Benzene-d6	5.76	84	339635	44.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.26%
36) 1,2-Dichloropropane-d6	6.72	67	113029	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.66%
41) Toluene-d8	7.92	98	312232	43.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.46%
43) trans-1,3-Dichloropropene-	8.20	79	47106	40.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.30%
47) 2-Hexanone-d5	8.66	63	99367	81.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.50%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	161121	45.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.66%
64) 1,2-Dichlorobenzene-d4	12.21	152	98157	43.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	102053	43.991	ug/L 99
3) Chloromethane	1.54	50	107791	40.387	ug/L 98
5) Vinyl chloride	1.62	62	122780	44.600	ug/L 97
6) Bromomethane	1.87	94	41917	29.677	ug/L 100
8) Chloroethane	1.95	64	78085	47.318	ug/L 99
9) Trichlorofluoromethane	2.16	101	138830	47.549	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82114	47.014	ug/L 99
12) 1,1-Dichloroethene	2.61	96	80100	45.343	ug/L 89
13) Acetone	2.66	43	112047	70.705	ug/L 100
14) Carbon disulfide	2.82	76	234021	41.870	ug/L 99
15) Methyl Acetate	2.98	43	120173	49.752	ug/L 100
16) Methylene chloride	3.08	84	103372	47.976	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	85746	45.184	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	296638	48.088	ug/L 100
19) 1,1-Dichloroethane	3.91	63	181350	49.181	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	100769	47.489	ug/L 98
22) 2-Butanone	4.75	43	174916	91.533	ug/L 99

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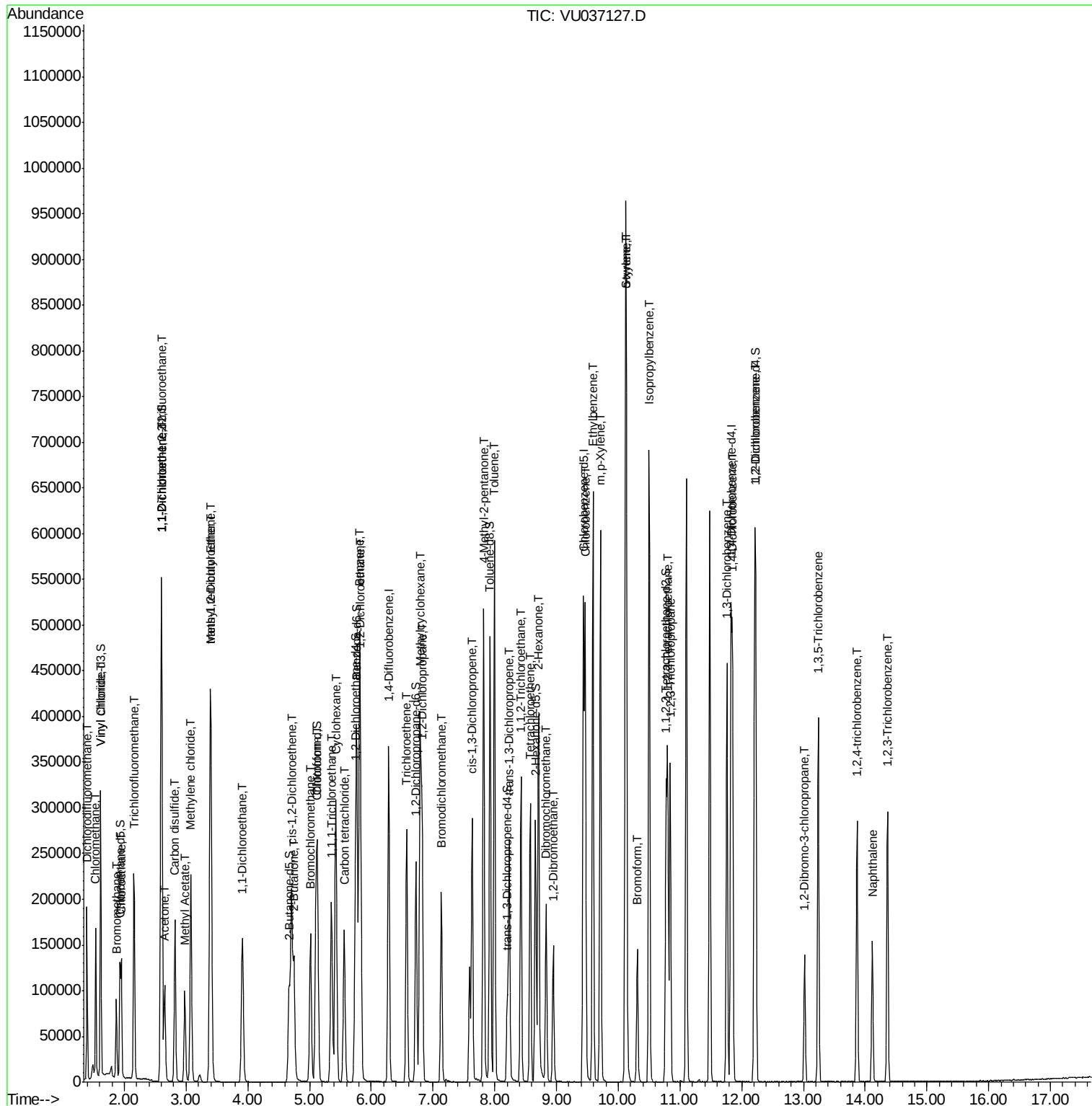
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	46056	47.927	ug/L	92
25) Chloroform	5.13	83	176594	49.635	ug/L	100
27) 1,2-Dichloroethane	5.83	62	146853	50.699	ug/L	98
29) Cyclohexane	5.43	56	150882	42.722	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	136529	47.847	ug/L	99
31) Carbon tetrachloride	5.56	117	108112	48.339	ug/L	98
33) Benzene	5.81	78	400332	47.615	ug/L	100
34) Trichloroethene	6.57	95	94580	45.769	ug/L	98
35) Methylcyclohexane	6.79	83	153687	42.894	ug/L	99
37) 1,2-Dichloropropane	6.82	63	109380	48.316	ug/L	99
38) Bromodichloromethane	7.13	83	130215	48.730	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	157478	45.159	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	328053	98.344	ug/L	100
42) Toluene	8.00	91	425565	47.509	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	139397	46.081	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	97343	48.354	ug/L	99
46) Tetrachloroethene	8.57	164	59943	44.033	ug/L	99
48) 2-Hexanone	8.71	43	259371	97.437	ug/L	98
49) Dibromochloromethane	8.83	129	92331	48.321	ug/L	99
50) 1,2-Dibromoethane	8.95	107	98867	46.964	ug/L	97
51) Chlorobenzene	9.47	112	247820	46.692	ug/L	99
52) Ethylbenzene	9.59	91	448275	46.164	ug/L	100
53) m,p-Xylene	9.71	106	163938	46.025	ug/L	95
54) o-xylene	10.12	106	162886	45.850	ug/L	96
55) Styrene	10.13	104	265152	45.657	ug/L	96
56) Isopropylbenzene	10.50	105	421743	46.220	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	179852	49.973	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	144346	49.565	ug/L	99
61) Bromoform	10.31	173	60866	47.153	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	170444	46.019	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	169245	46.251	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	177704	48.053	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35820	48.823	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	108635	46.210	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	78184	44.389	ug/L	99
69) Naphthalene	14.12	128	119537	38.446	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	81245	46.159	ug/L	98

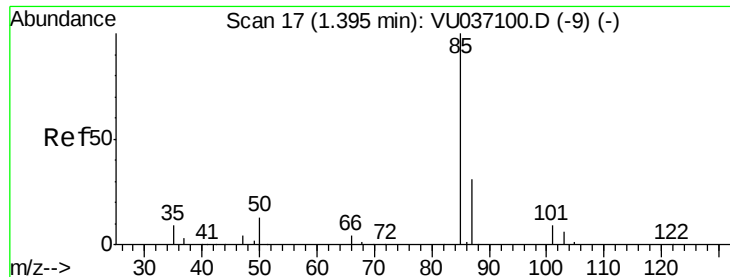
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.991 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

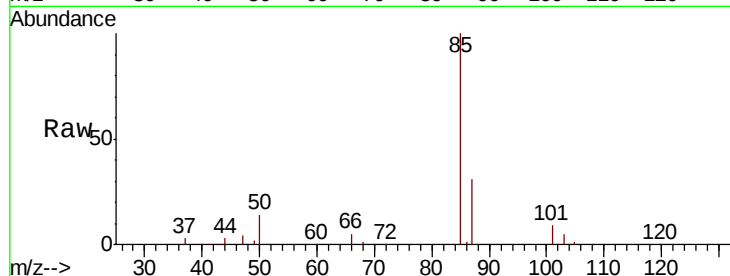
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 102053

Ion Ratio Lower Upper

85 100

87 31.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU037100.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037100.D (-9) (-)

120000

100000

80000

60000

40000

20000

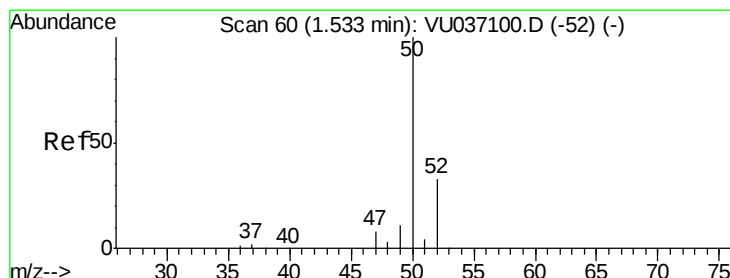
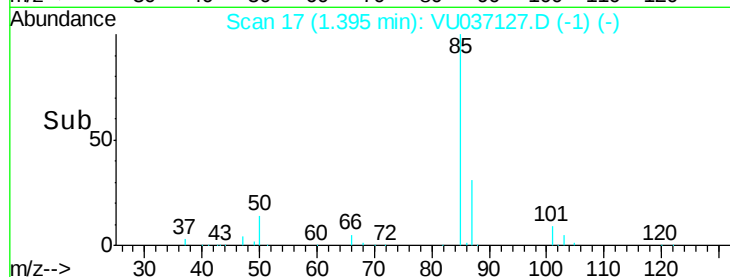
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 40.387 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037127.D

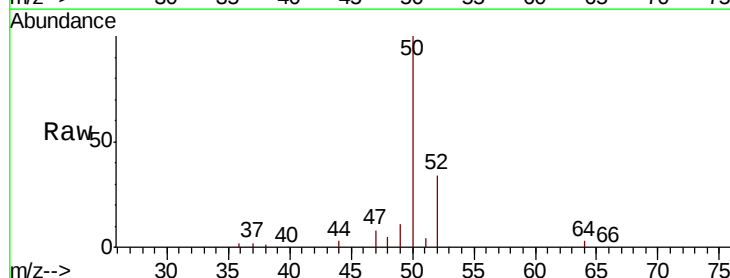
Acq: 06 Mar 2020 22:20

Tgt Ion: 50 Resp: 107791

Ion Ratio Lower Upper

50 100

52 33.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037100.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037100.D (-52) (-)

100000

80000

60000

40000

20000

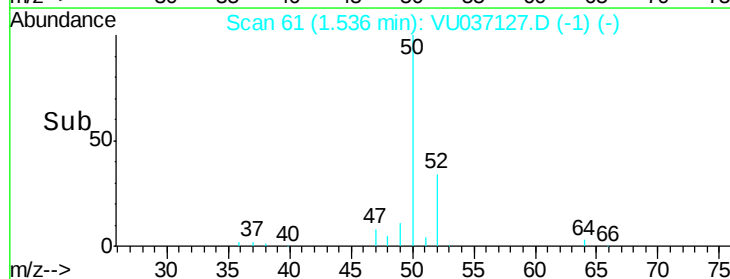
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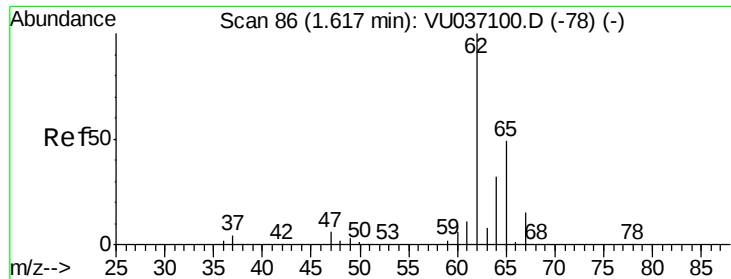
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 44.600 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

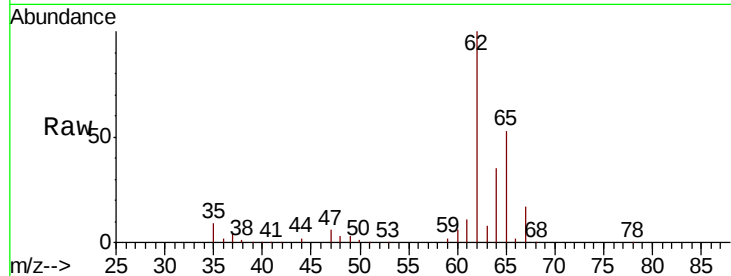
ClientSampled :

Tot Ion: 62 Resp: 122780

Ion Ratio Lower Upper

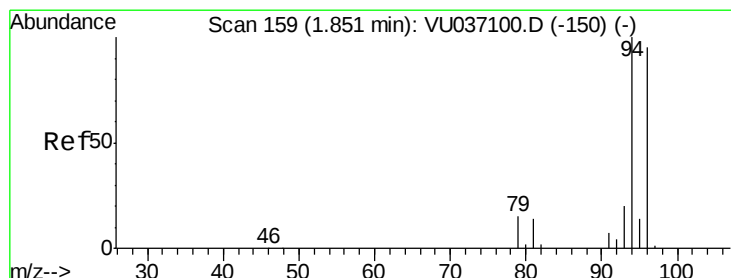
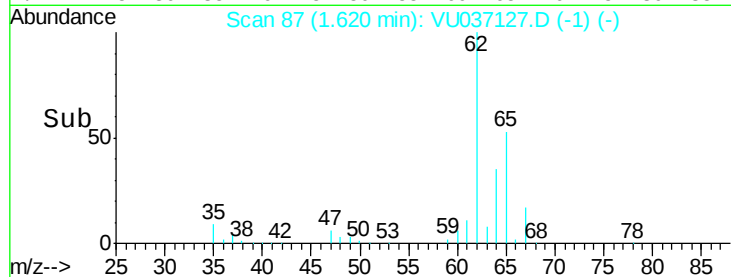
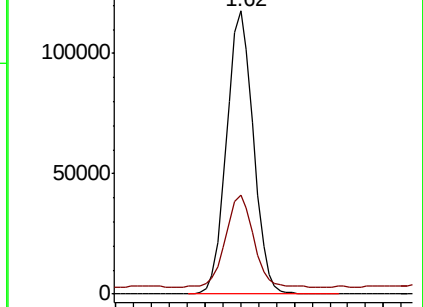
62 100

64 34.8 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU037127.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037127.D (-1) (-)



#6

Bromomethane

Concen: 29.677 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU037127.D

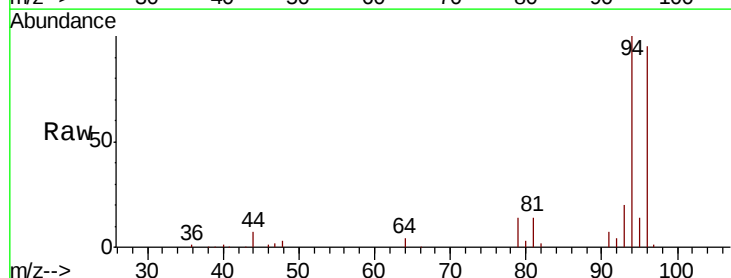
Acq: 06 Mar 2020 22:20

Tgt Ion: 94 Resp: 41917

Ion Ratio Lower Upper

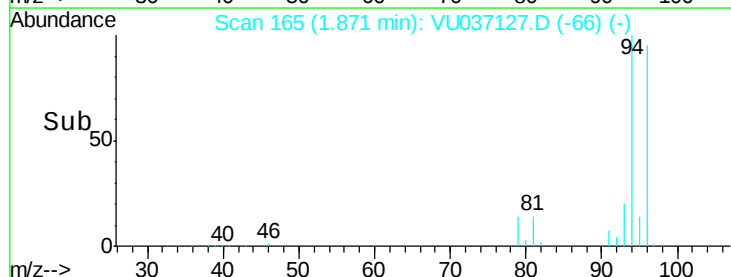
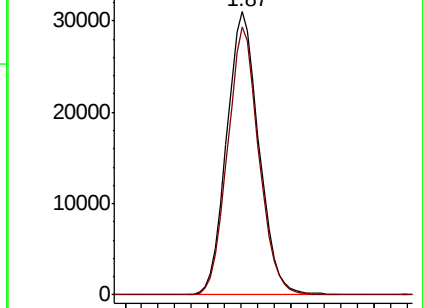
94 100

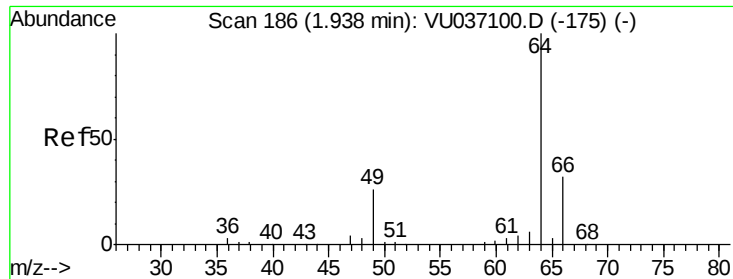
96 94.8 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU037127.D (-66) (-)

Ion 96.00 (95.70 to 96.70): VU037127.D (-66) (-)

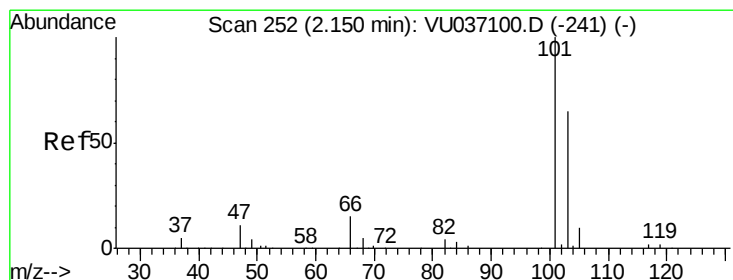
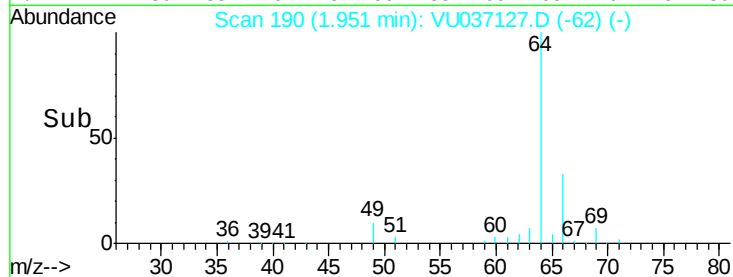
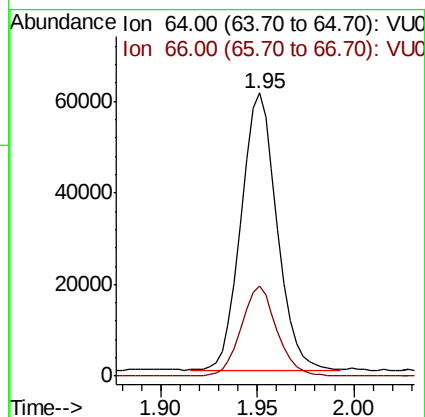
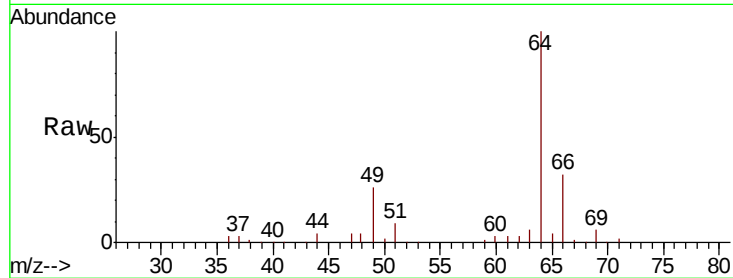




#8
Chloroethane
Concen: 47.318 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.01 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

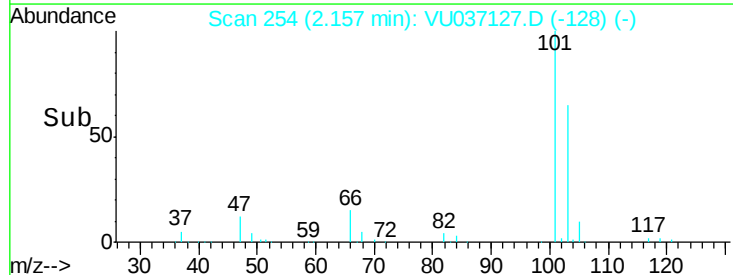
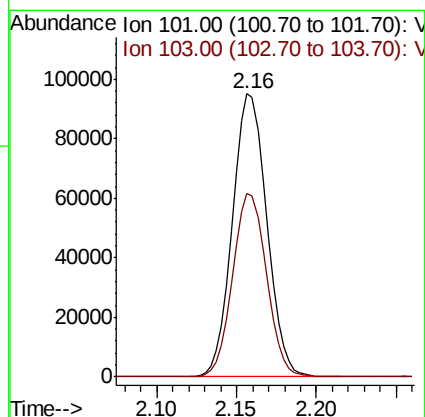
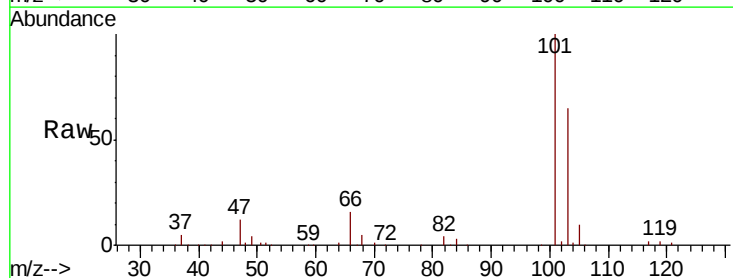
Instrument :
MSVOA_U
ClientSampleId :

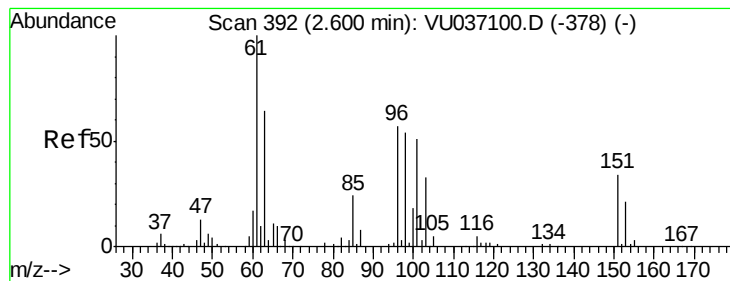
Tot Ion: 64 Resp: 78085
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.549 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.01 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Tgt Ion:101 Resp: 138830
Ion Ratio Lower Upper
101 100
103 63.9 50.9 76.3





#10

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

Concen: 47.014 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

ClientSampleId :

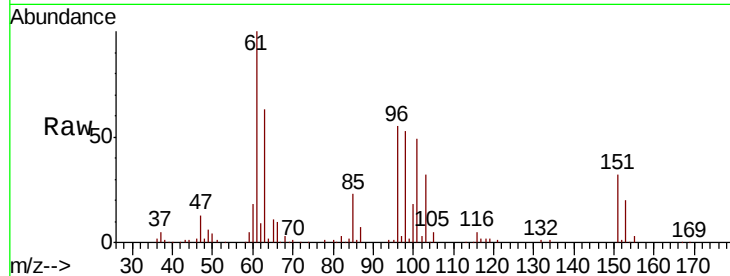
Tot Ion:101 Resp: 82114

Ion Ratio Lower Upper

101 100

85 46.0 36.4 54.6

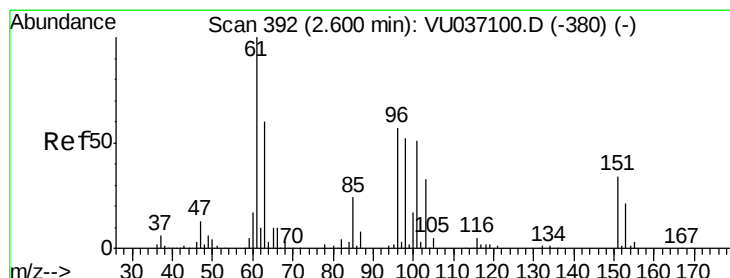
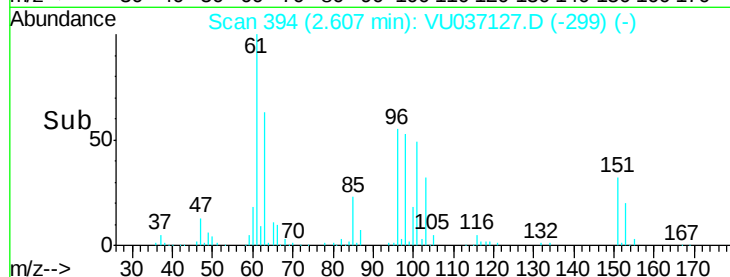
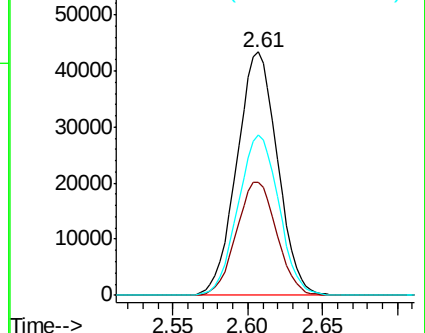
151 65.8 52.4 78.6



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: 45.343 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

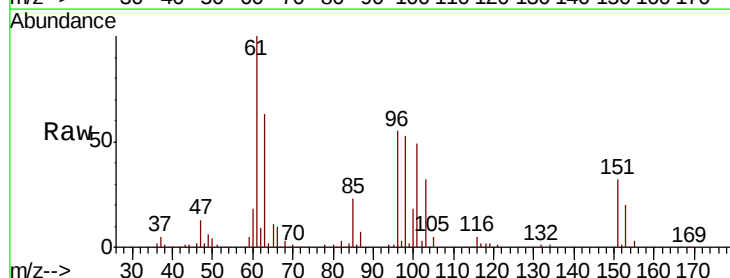
Tgt Ion: 96 Resp: 80100

Ion Ratio Lower Upper

96 100

61 182.4 127.5 236.7

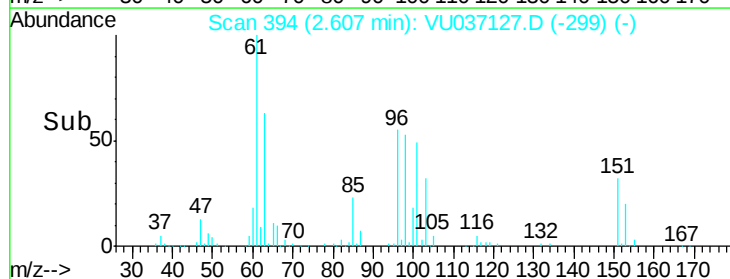
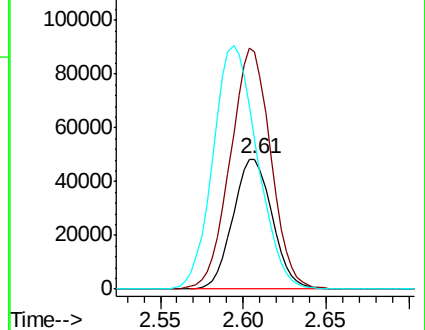
63 115.1 101.4 188.2

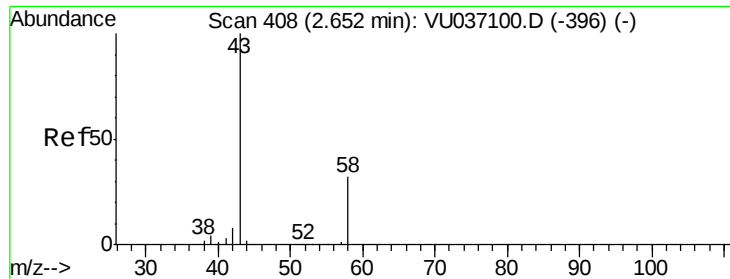


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 70.705 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

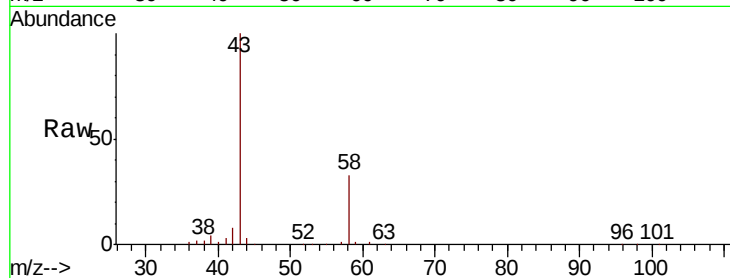
ClientSampled :

Tot Ion: 43 Resp: 112047

Ion Ratio Lower Upper

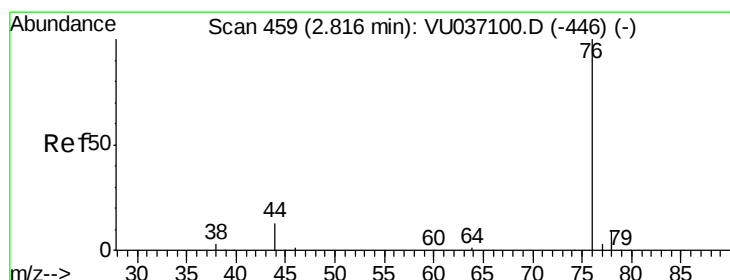
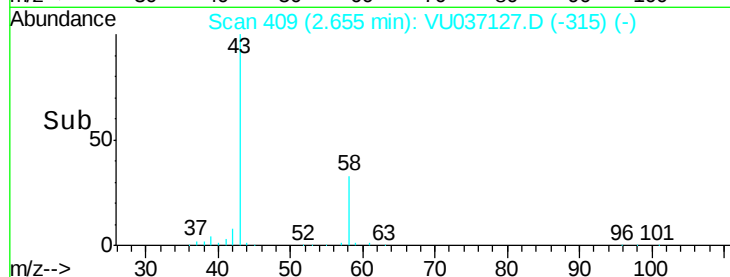
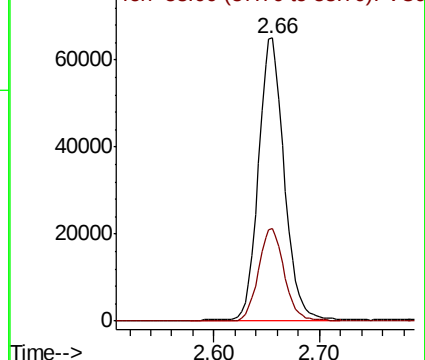
43 100

58 32.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037100.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037100.D (-396) (-)



#14

Carbon disulfide

Concen: 41.870 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037127.D

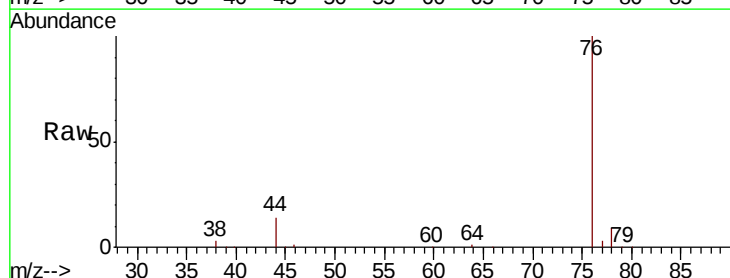
Acq: 06 Mar 2020 22:20

Tgt Ion: 76 Resp: 234021

Ion Ratio Lower Upper

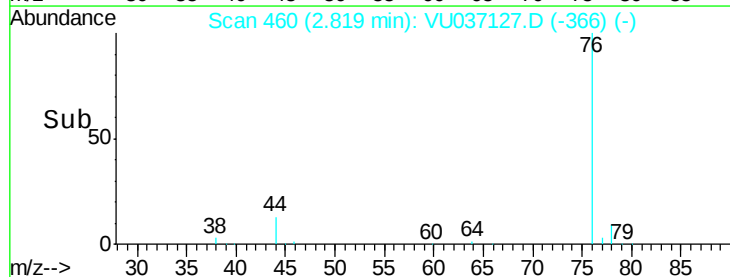
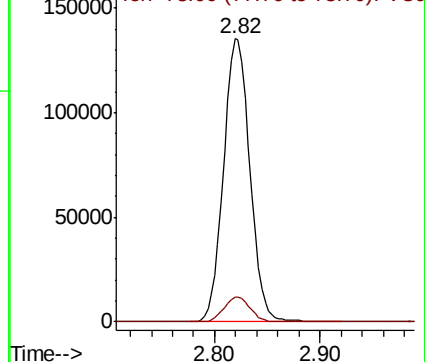
76 100

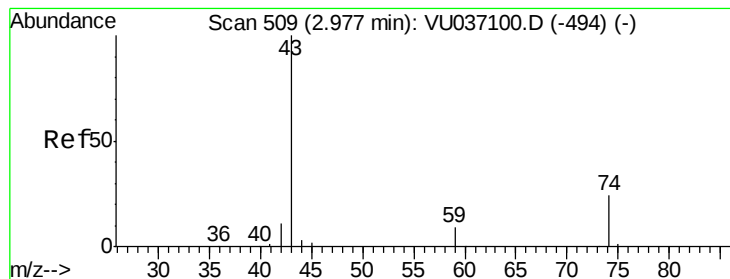
78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU037100.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037100.D (-446) (-)





#15

Methvl Acetate

Concen: 49.752 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

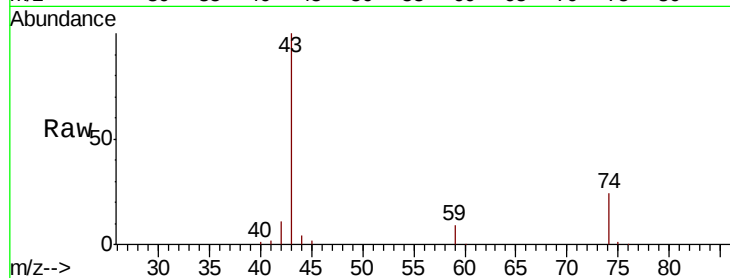
ClientSampleId :

Tot Ion: 43 Resp: 120173

Ion Ratio Lower Upper

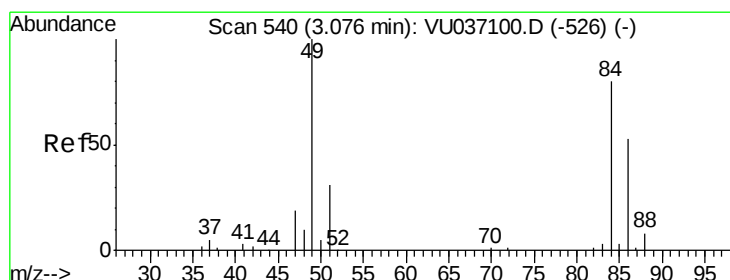
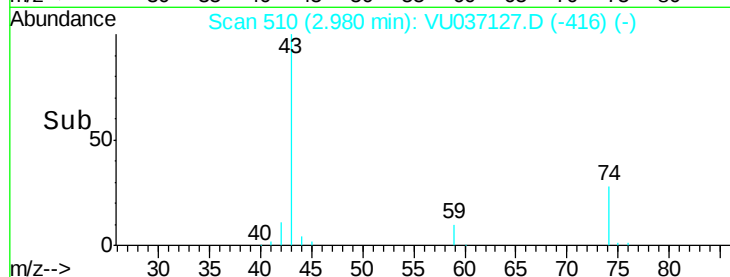
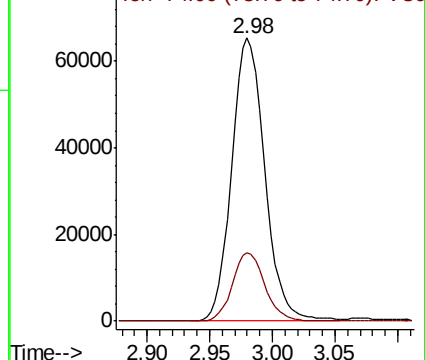
43 100

74 23.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 47.976 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

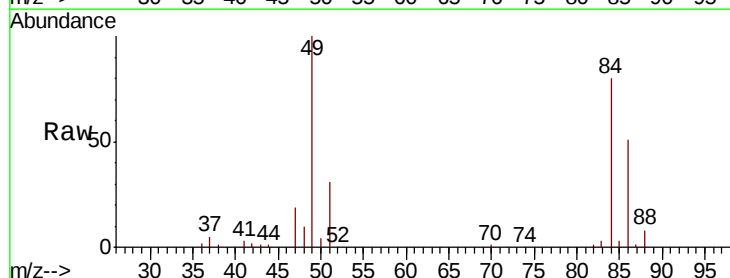
Tgt Ion: 84 Resp: 103372

Ion Ratio Lower Upper

84 100

86 63.5 44.4 82.5

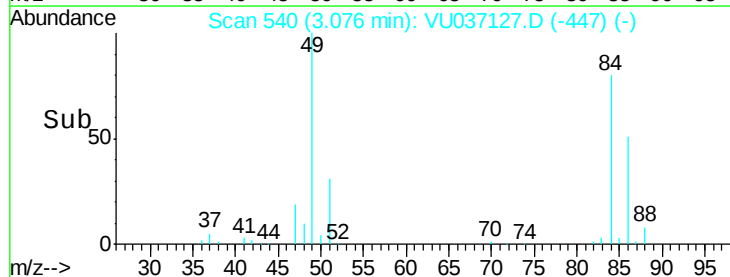
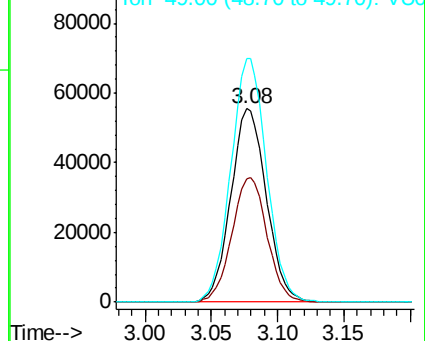
49 125.8 85.9 159.5

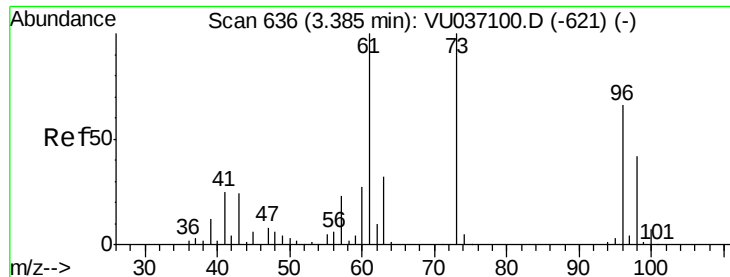


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

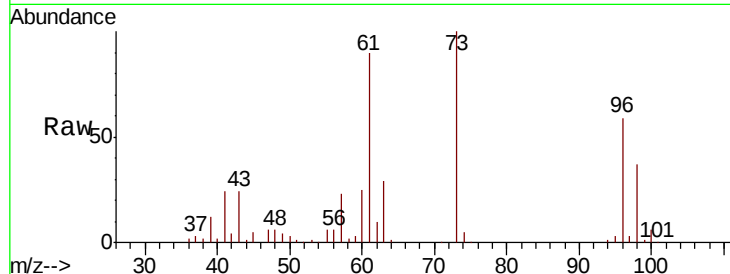




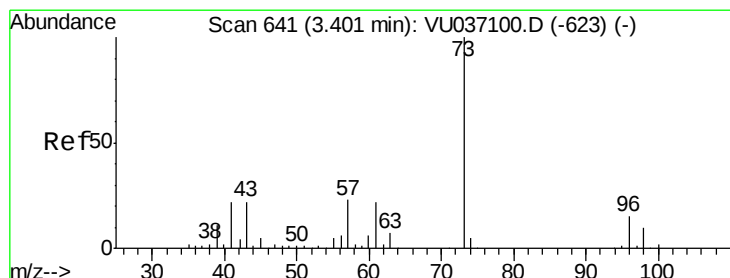
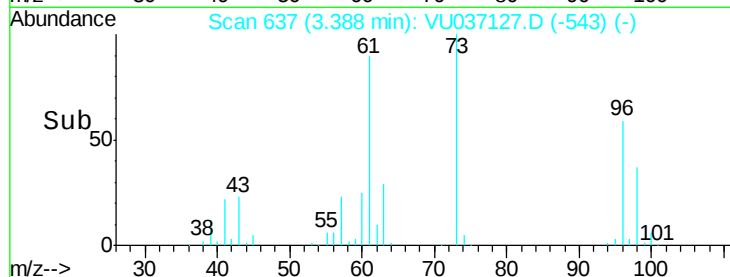
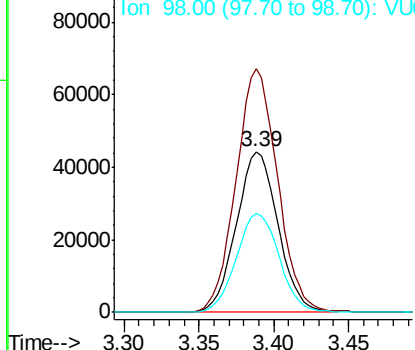
#17
trans-1,2-Dichloroethene
Concen: 45.184 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 85746
Ion Ratio Lower Upper
96 100
61 151.7 103.8 192.8
98 61.6 44.2 82.2

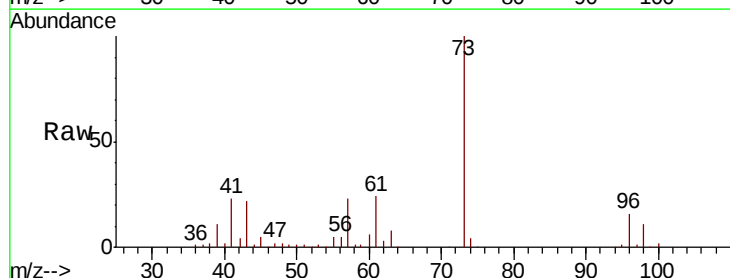


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

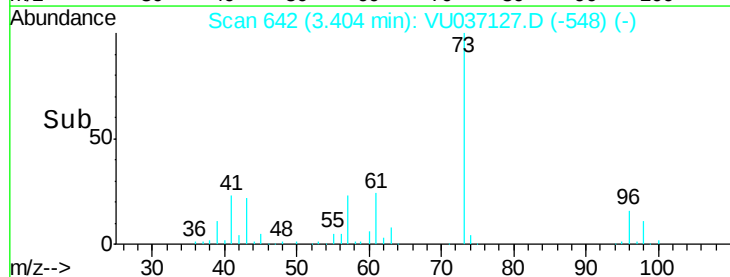
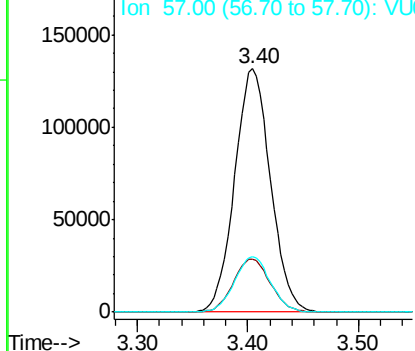


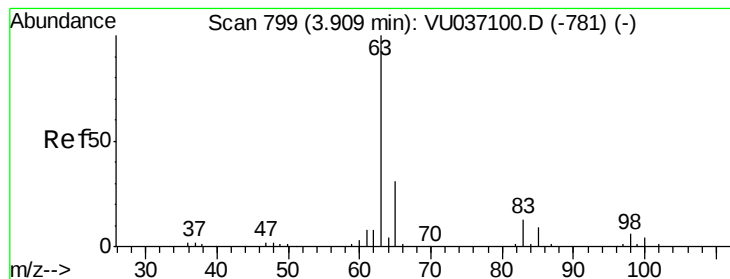
#18
Methyl tert-butyl Ether
Concen: 48.088 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Tgt Ion: 73 Resp: 296638
Ion Ratio Lower Upper
73 100
43 22.6 18.1 27.1
57 22.9 18.4 27.6



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: 49.181 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

ClientSampled :

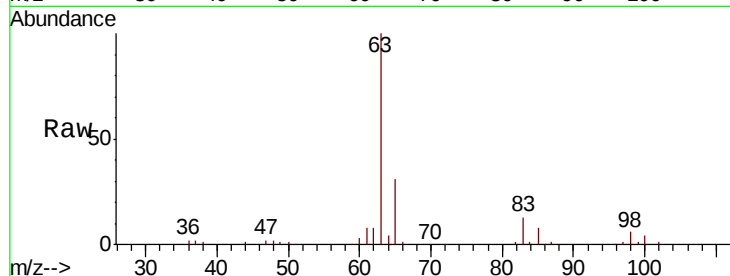
Tot Ion: 63 Resp: 181350

Ion Ratio Lower Upper

63 100

65 31.3 21.3 39.5

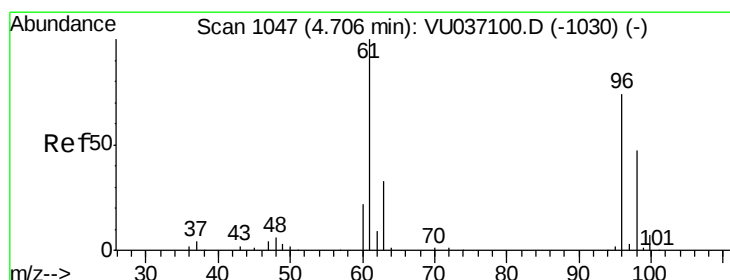
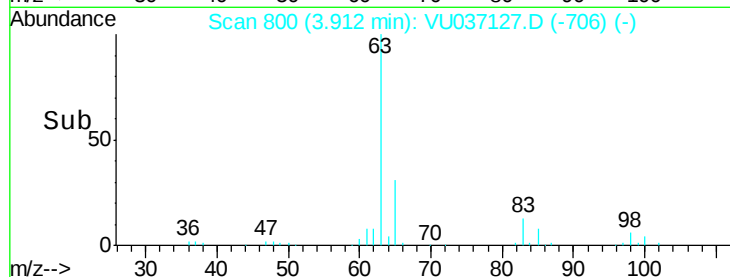
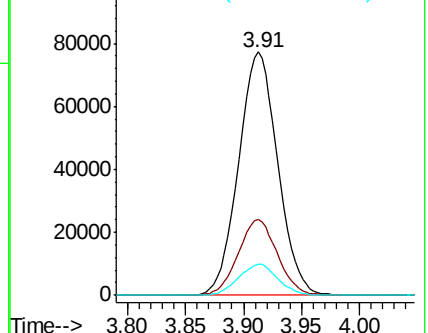
83 12.7 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU037127.D (-781) (-)

Ion 65.00 (64.70 to 65.70): VU037127.D (-781) (-)

Ion 83.00 (82.70 to 83.70): VU037127.D (-781) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.489 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

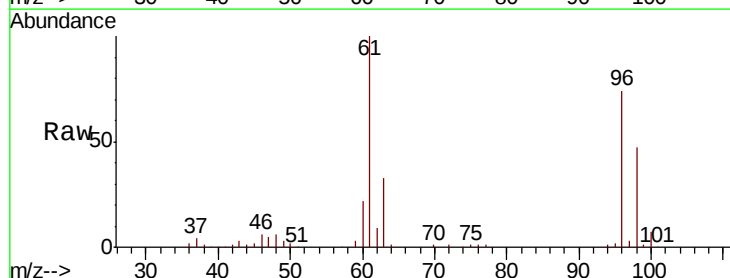
Tgt Ion: 96 Resp: 100769

Ion Ratio Lower Upper

96 100

61 134.9 93.1 172.9

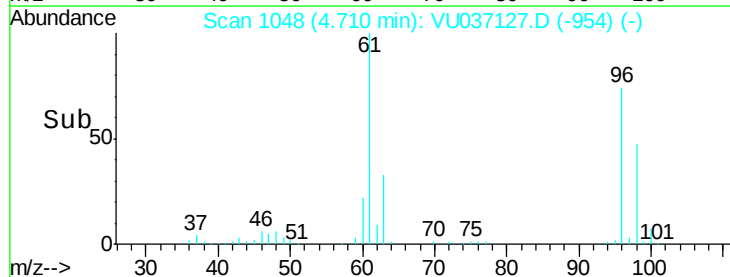
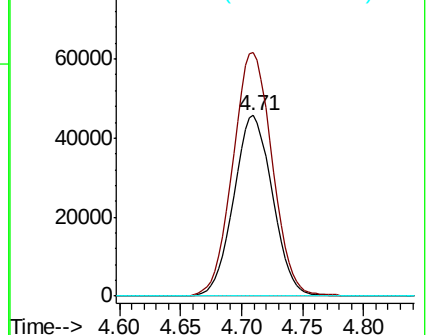
68 0.0 0.0 0.0

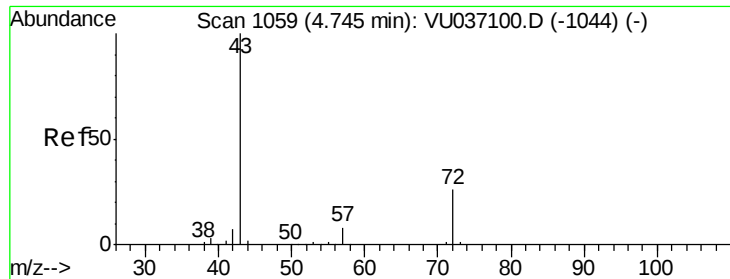


Abundance Ion 96.00 (95.70 to 96.70): VU037127.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037127.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037127.D (-954) (-)





#22

2-Butanone

Concen: 91.533 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

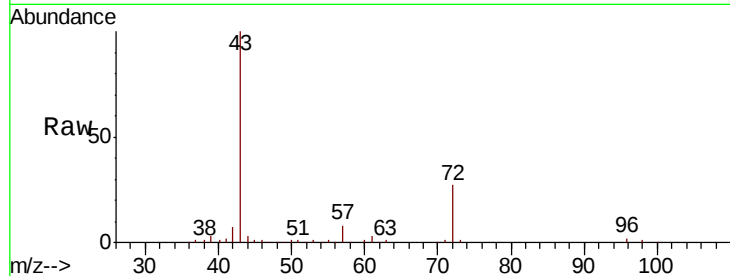
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 174916

Ion Ratio Lower Upper

43 100

72 27.0 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU037127.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037127.D (-966) (-)

4.75

80000

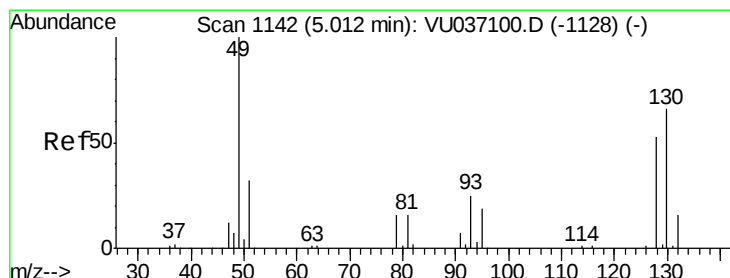
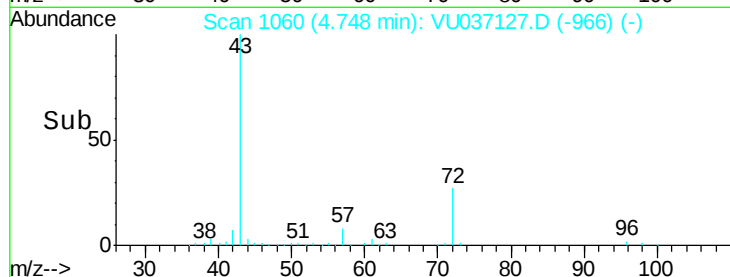
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 47.927 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Tgt Ion:128 Resp: 46056

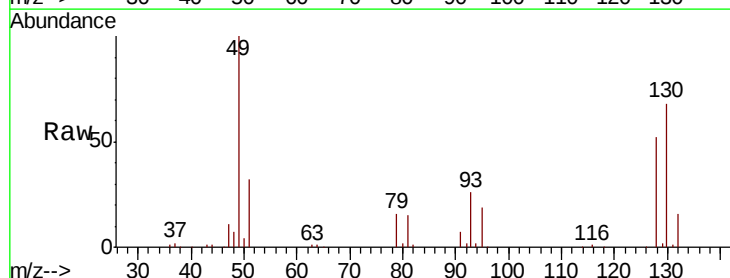
Ion Ratio Lower Upper

128 100

49 193.3 126.5 234.9

130 130.9 86.0 159.8

51 62.5 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU037127.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037127.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037127.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037127.D (-1049) (-)

5.02

60000

50000

40000

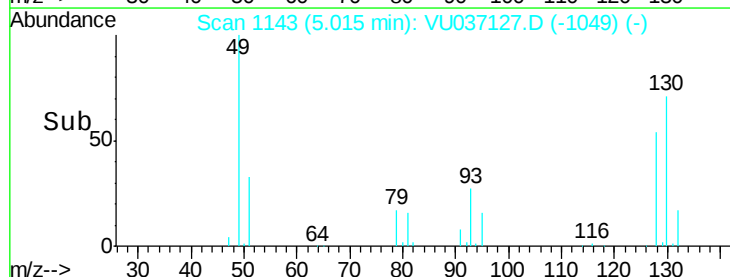
30000

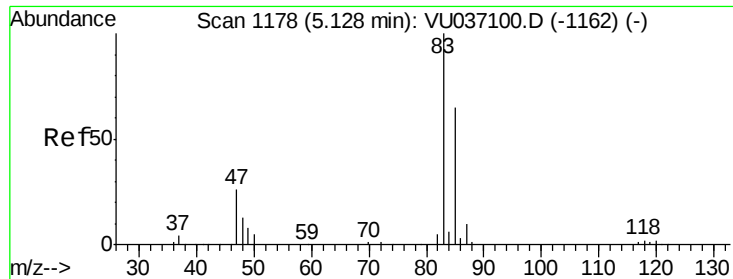
20000

10000

0

Time-->

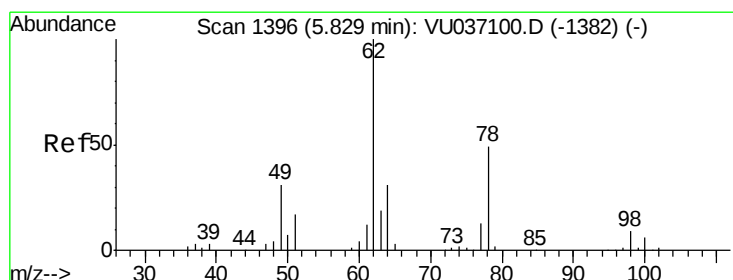
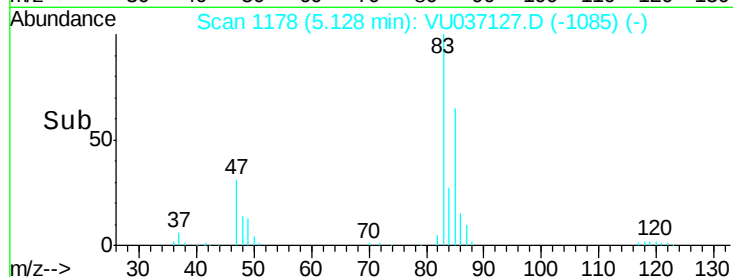
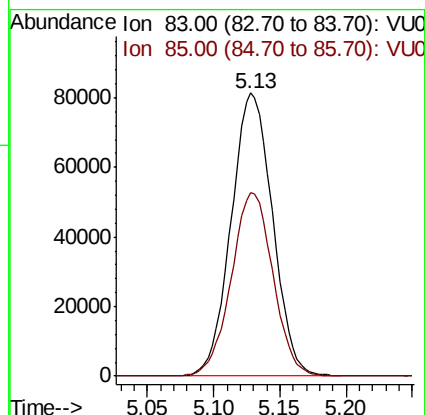
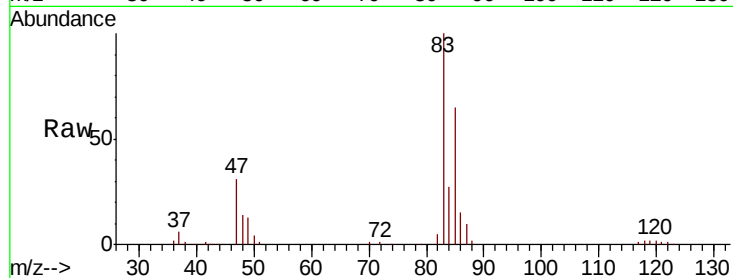




#25
Chloroform
Concen: 49.635 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

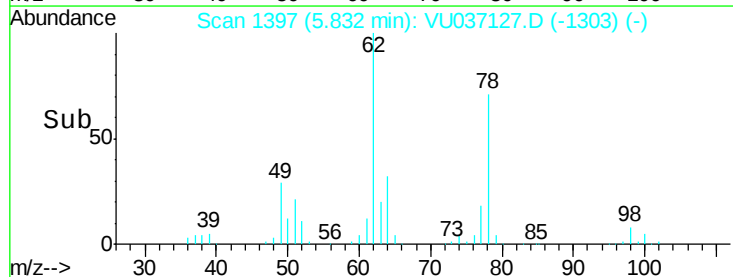
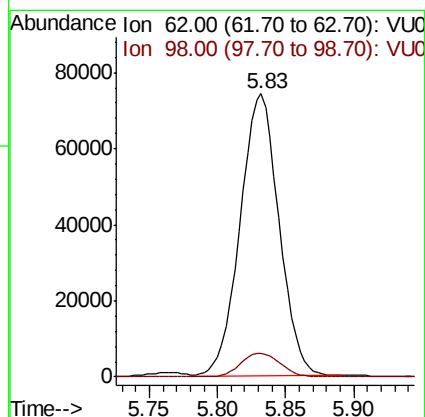
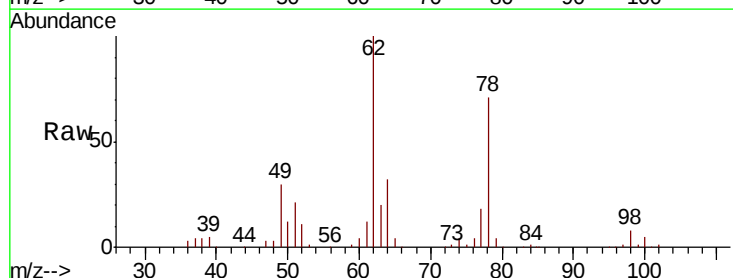
Instrument :
MSVOA_U
ClientSampleId :

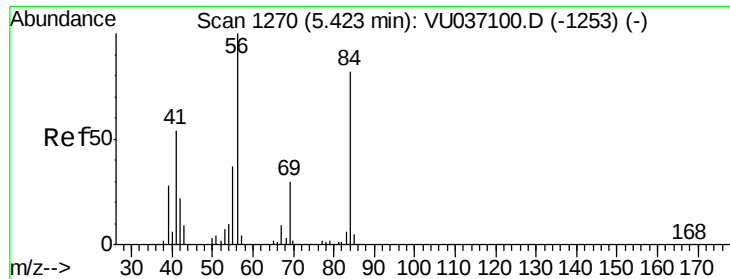
Tot Ion: 83 Resp: 176594
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.699 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Tgt Ion: 62 Resp: 146853
Ion Ratio Lower Upper
62 100
98 8.3 7.1 10.7

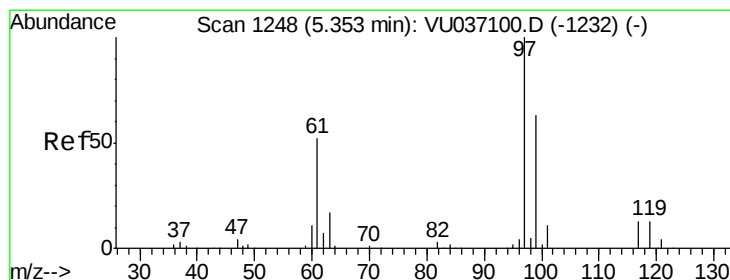
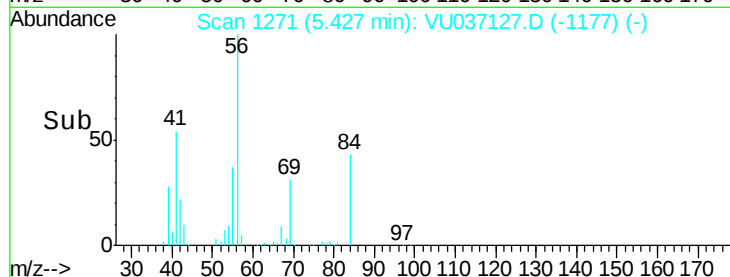
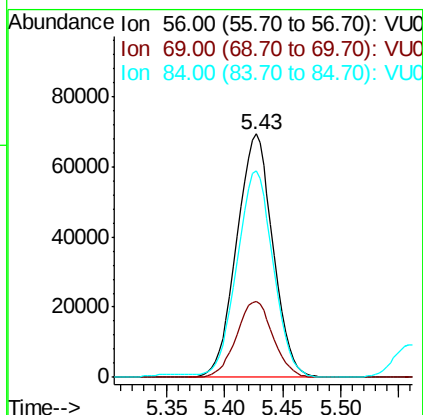
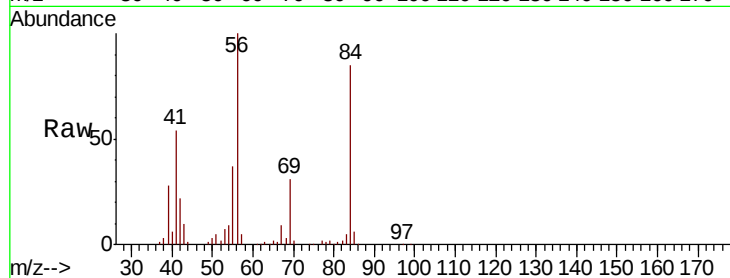




#29
Cyclohexane
Concen: 42.722 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

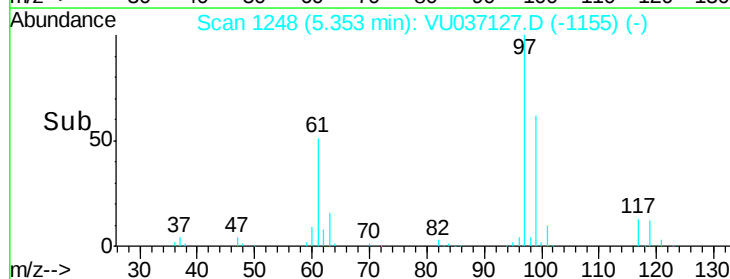
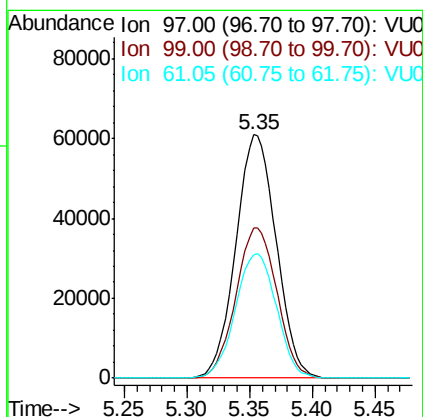
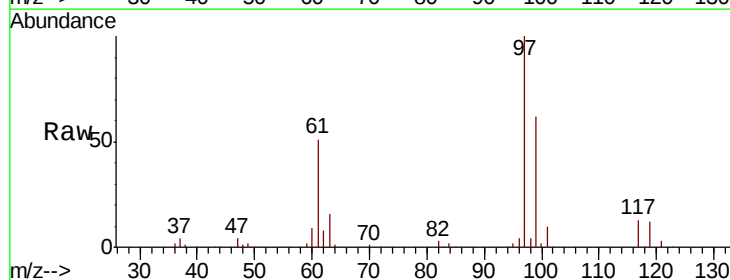
Instrument :
MSVOA_U
ClientSampleId :

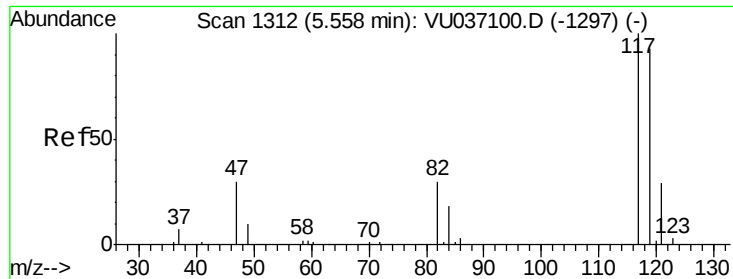
Tot Ion: 56 Resp: 150882
Ion Ratio Lower Upper
56 100
69 31.5 24.6 37.0
84 85.4 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 47.847 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Tgt Ion: 97 Resp: 136529
Ion Ratio Lower Upper
97 100
99 62.9 50.4 75.6
61 52.1 40.3 60.5

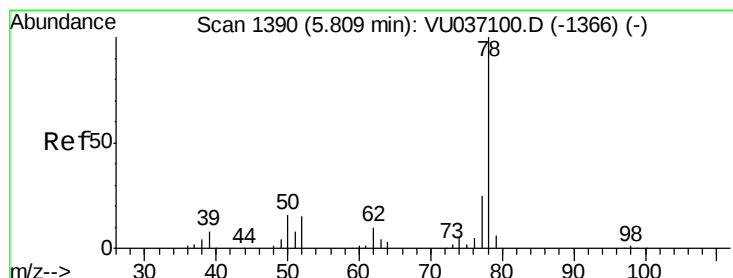
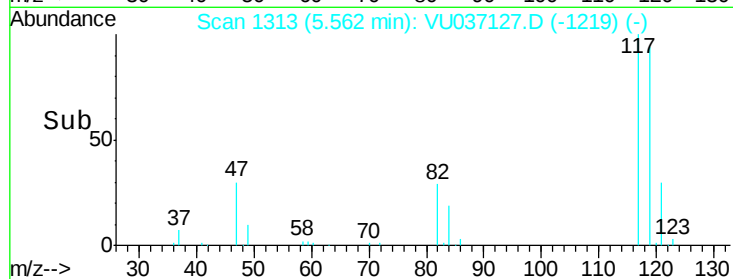
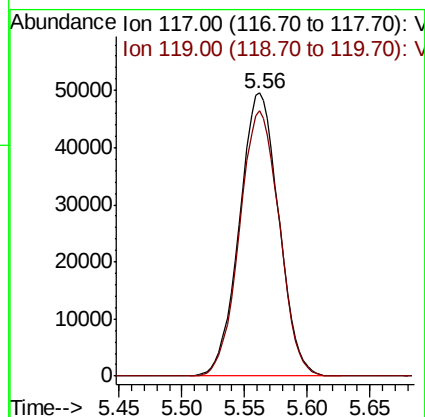
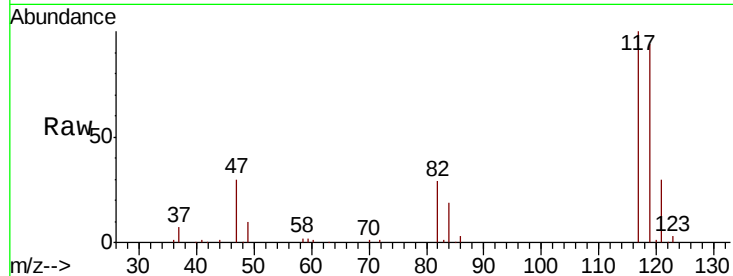




#31
Carbon tetrachloride
Concen: 48.339 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

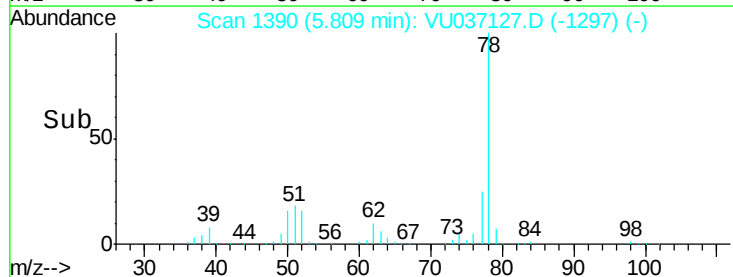
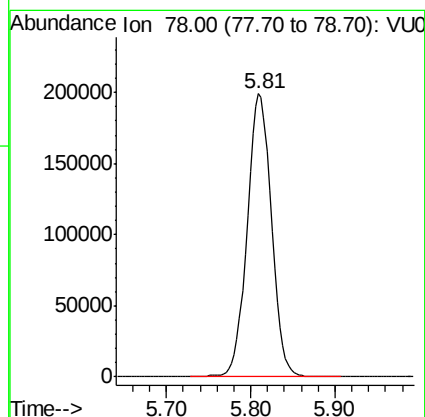
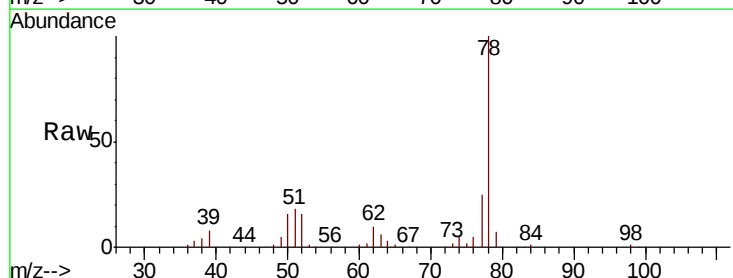
Instrument :
MSVOA_U
ClientSampled :

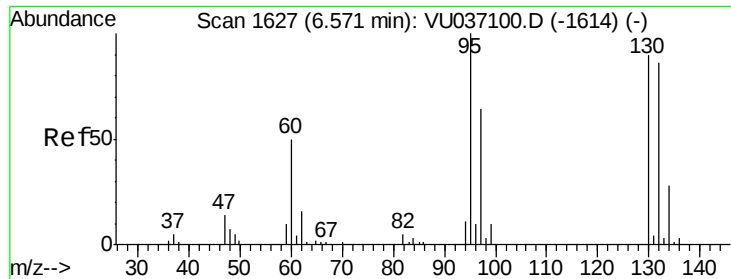
Tot Ion:117 Resp: 108112
Ion Ratio Lower Upper
117 100
119 94.4 77.2 115.8



#33
Benzene
Concen: 47.615 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Tgt Ion: 78 Resp: 400332

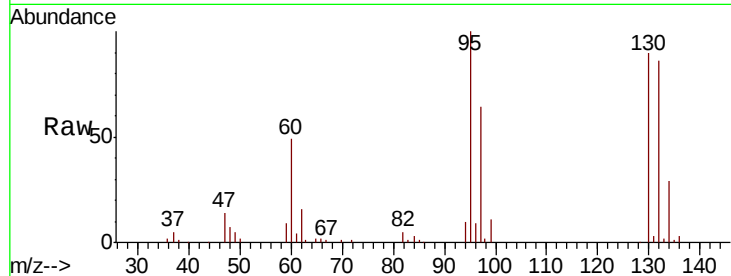




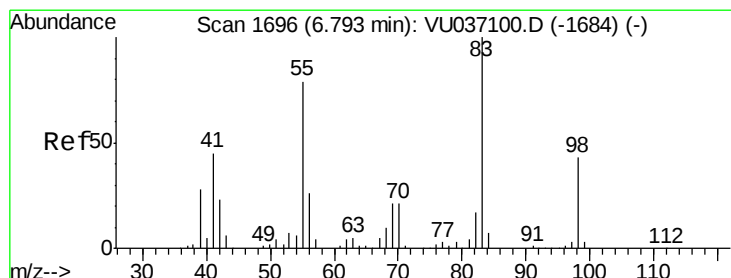
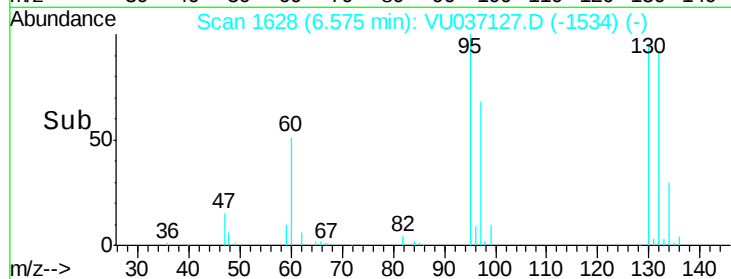
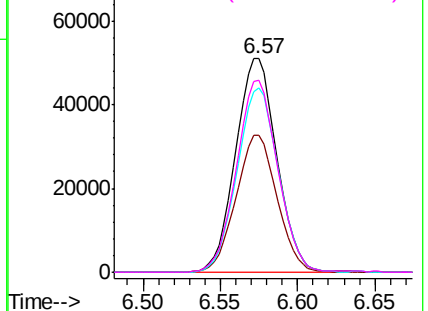
#34
 Trichloroethene
 Concen: 45.769 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 94580
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.1 81.9
 132 86.4 60.6 112.6
 130 89.7 64.9 120.5

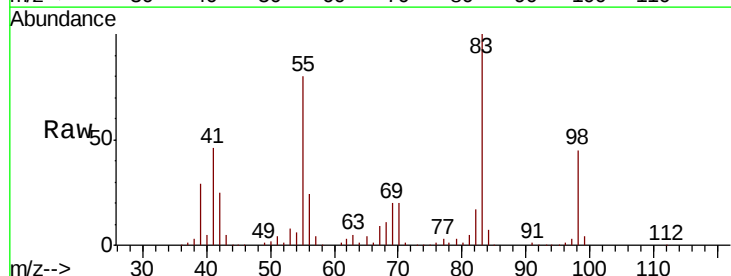


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

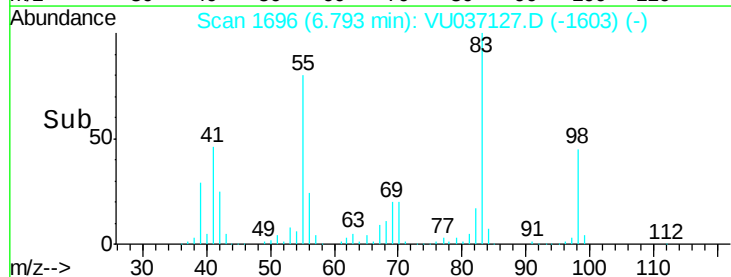
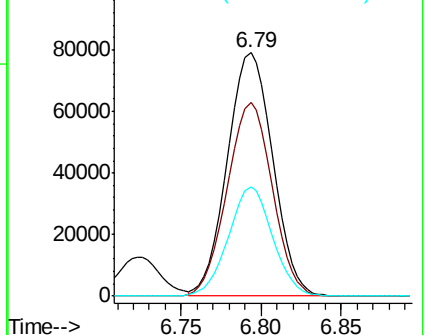


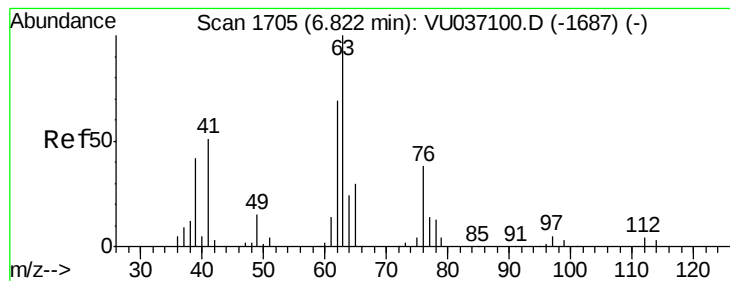
#35
 Methylcyclohexane
 Concen: 42.894 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

Tgt Ion: 83 Resp: 153687
 Ion Ratio Lower Upper
 83 100
 55 79.1 62.6 93.8
 98 43.6 35.1 52.7



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 48.316 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

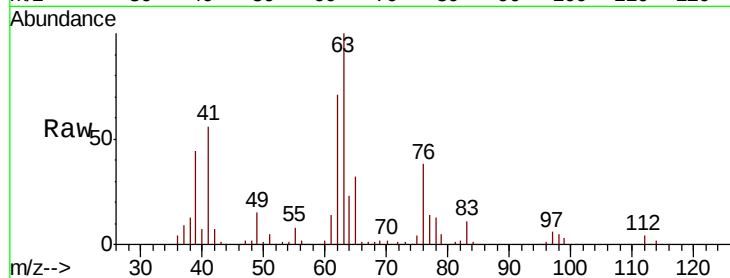
ClientSampleId :

Tot Ion: 63 Resp: 109380

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU037100.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU037100.D (-1687) (-)

6.82

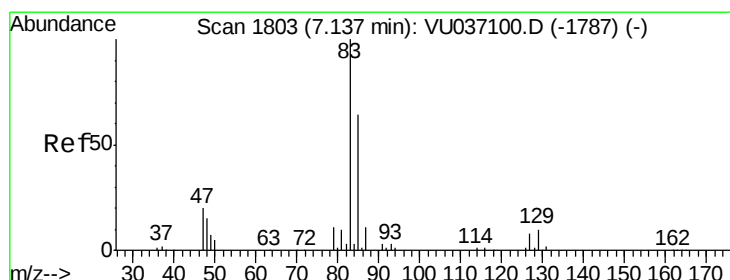
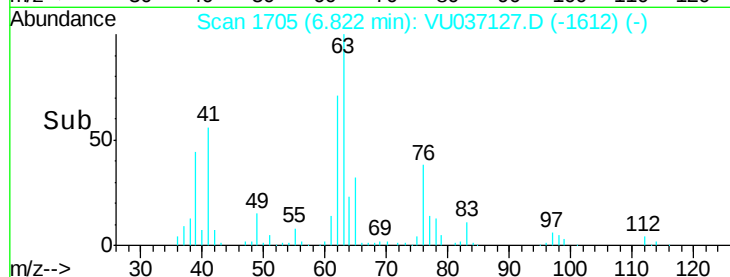
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#38

Bromodichloromethane

Concen: 48.730 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

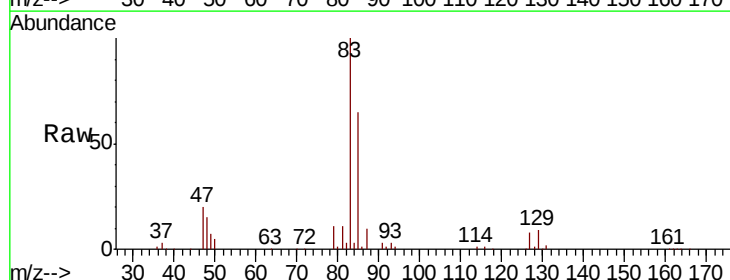
Tgt Ion: 83 Resp: 130215

Ion Ratio Lower Upper

83 100

85 64.6 43.6 81.0

127 7.9 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VU037100.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU037100.D (-1787) (-)

Ion 127.00 (126.70 to 127.70): VU037100.D (-1787) (-)

7.13

100000

80000

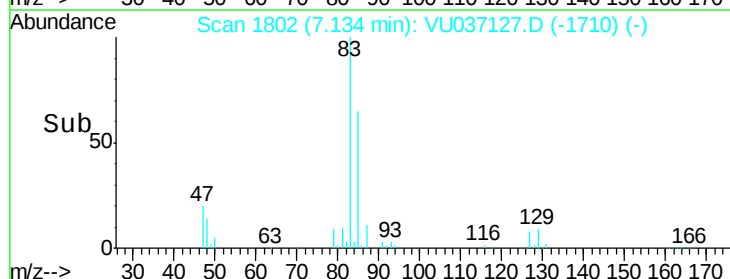
60000

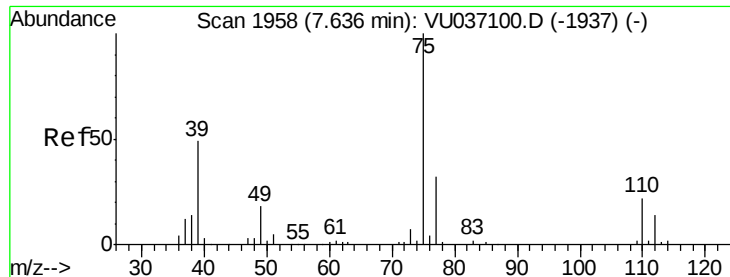
40000

20000

0

Time--> 7.05 7.10 7.15 7.20

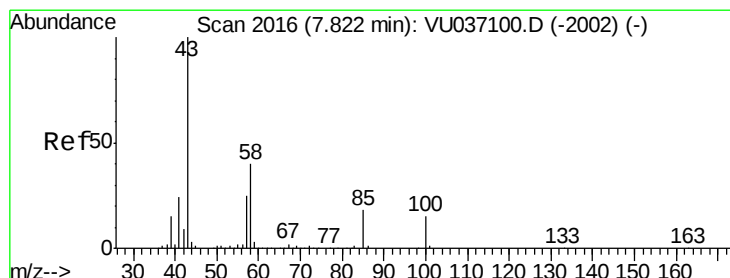
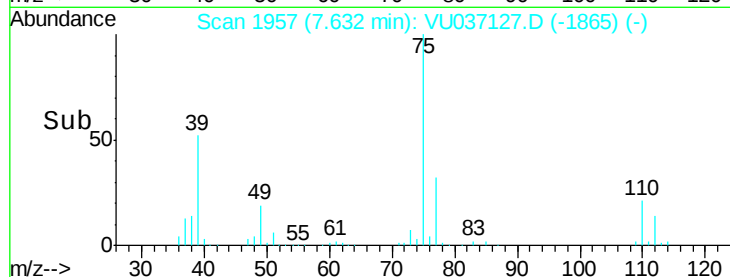
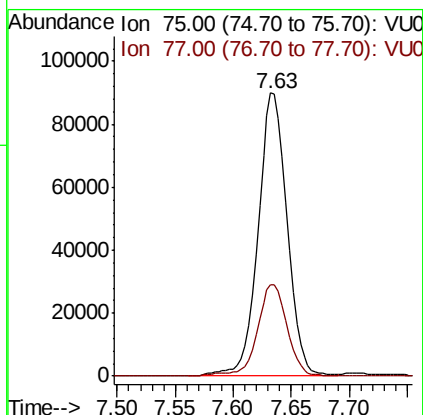
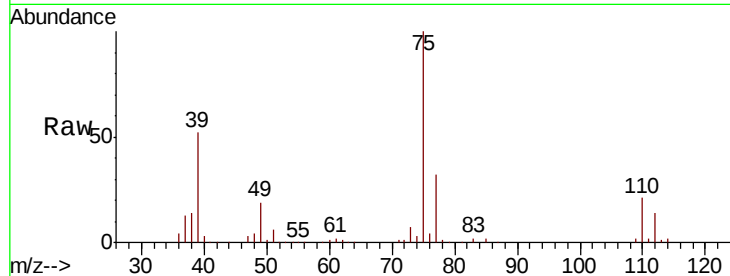




#39
 cis-1,3-Dichloropropene
 Concen: 45.159 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

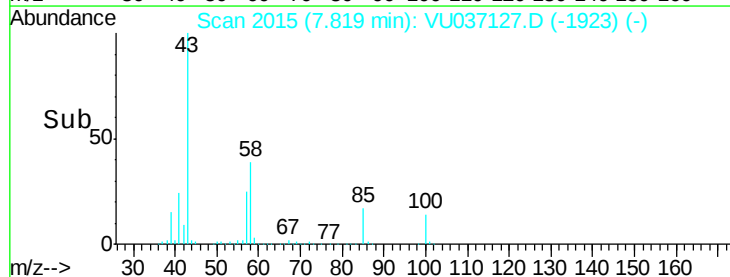
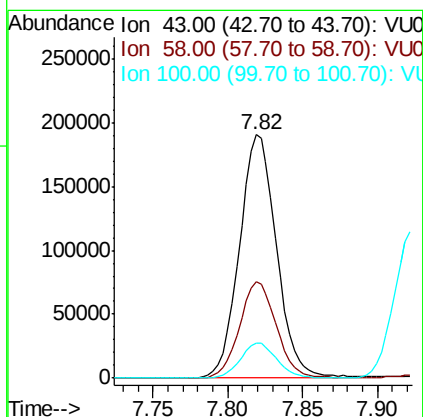
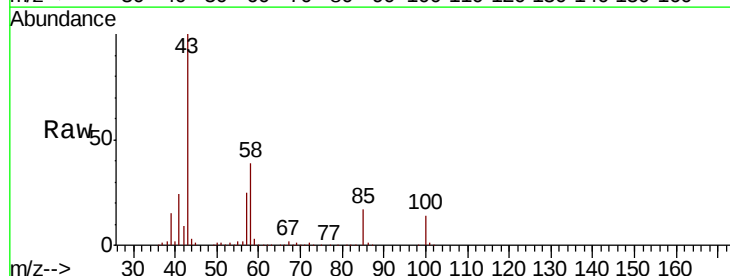
Instrument :
 MSVOA_U
 ClientSampled :

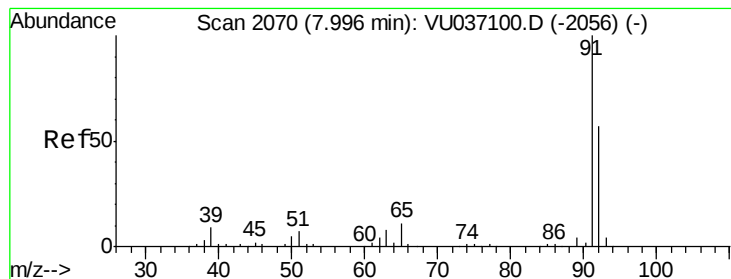
Tot Ion: 75 Resp: 157478
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 98.344 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

Tgt Ion: 43 Resp: 328053
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.6
 100 14.2 11.5 17.3





#42

Toluene

Concen: 47.509 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

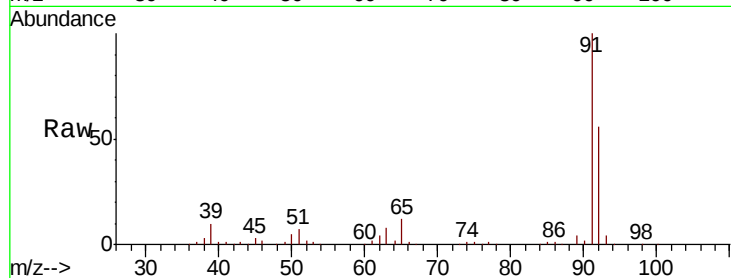
ClientSampled :

Tot Ion: 91 Resp: 425565

Ion Ratio Lower Upper

91 100

92 55.6 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU037100.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU037100.D (-2056) (-)

8.00

250000

200000

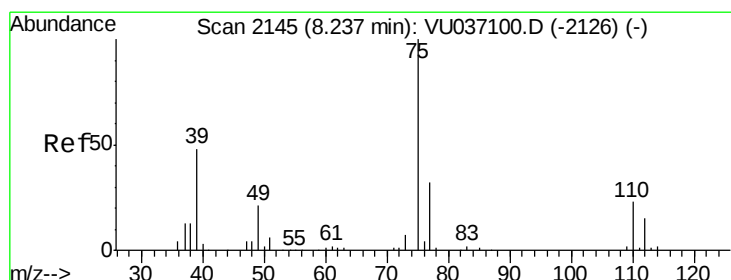
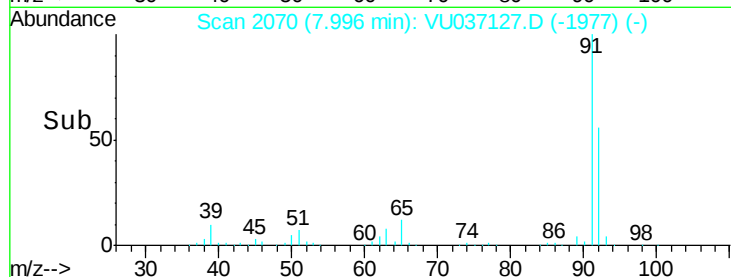
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 46.081 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037127.D

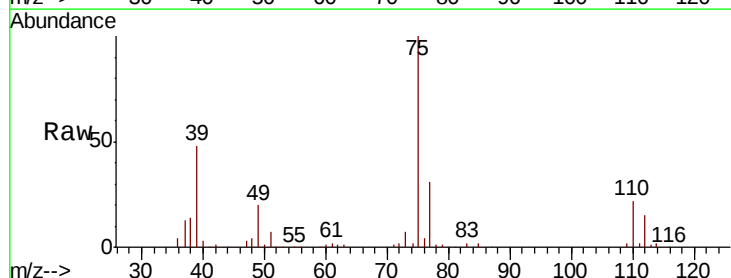
Acq: 06 Mar 2020 22:20

Tgt Ion: 75 Resp: 139397

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU037100.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU037100.D (-2126) (-)

8.23

80000

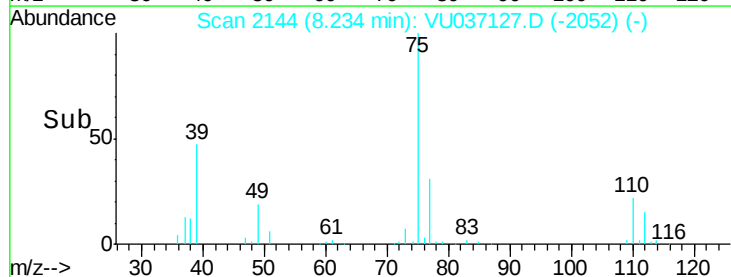
60000

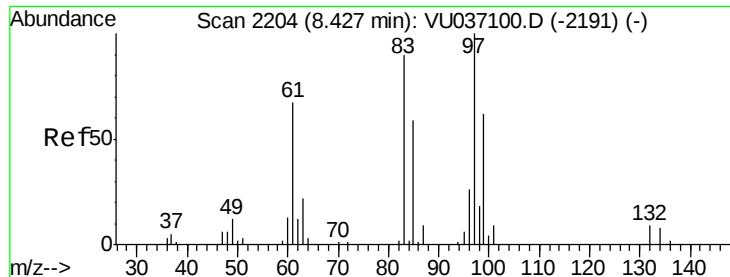
40000

20000

0

Time--> 8.15 8.20 8.25 8.30 8.35

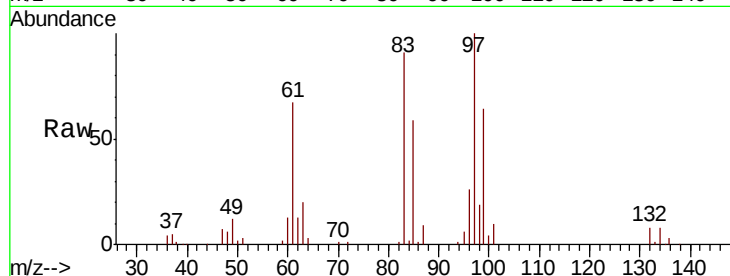




#45
 1,1,2-Trichloroethane
 Concen: 48.354 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

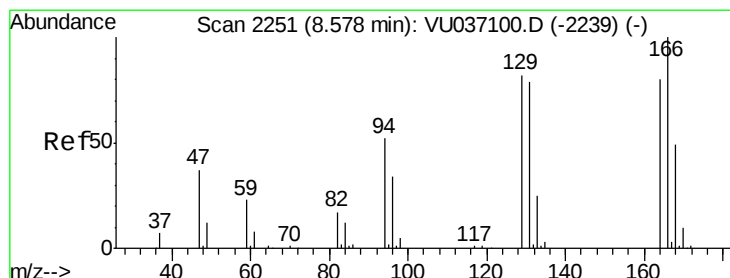
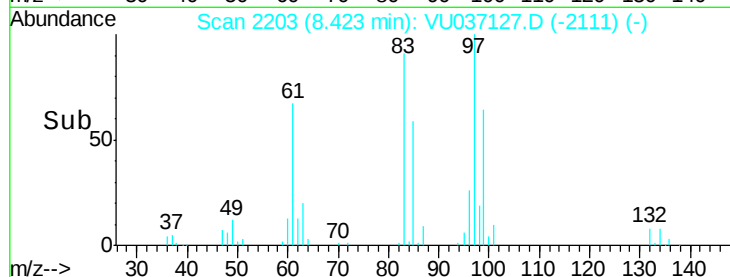
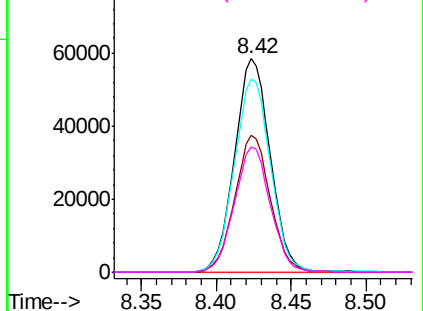
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	97343
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.6	81.0
83	90.6	62.7	116.5
85	58.7	40.3	74.9



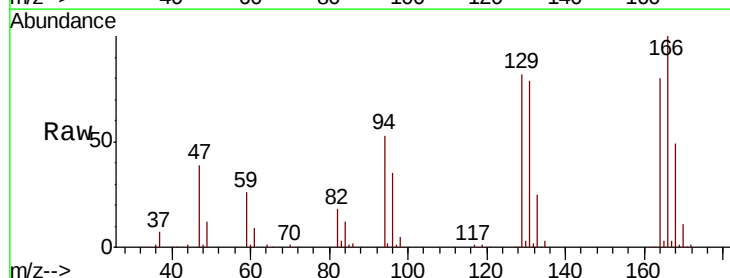
Abundance

Ion 97.00 (96.70 to 97.70): VU037127.D (-2191) (-)



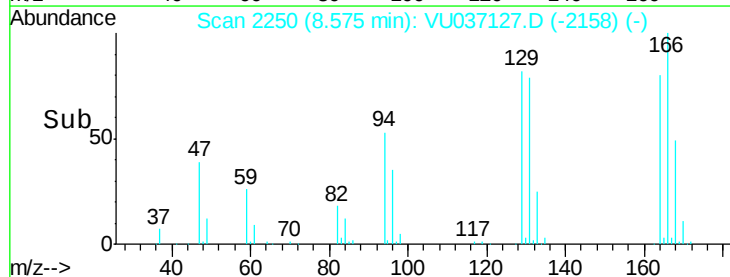
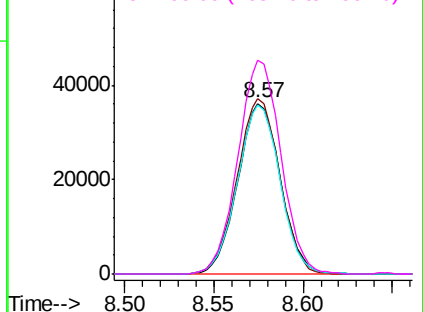
#46
 Tetrachloroethene
 Concen: 44.033 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

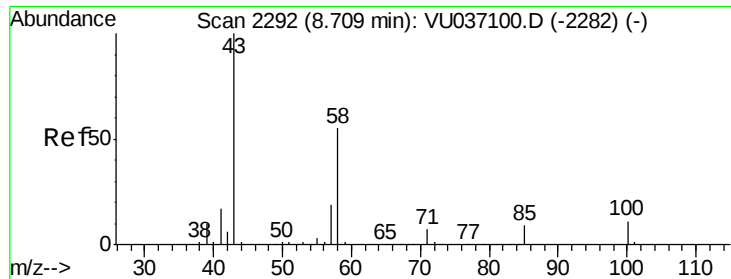
Tgt Ion:	164	Resp:	59943
Ion	Ratio	Lower	Upper
164	100		
129	102.7	72.0	133.8
131	99.3	67.9	126.1
166	125.1	87.1	161.7



Abundance

Ion 164.00 (163.70 to 164.70): VU037127.D (-2239) (-)

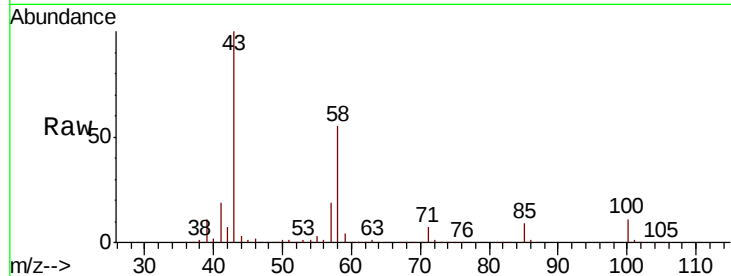




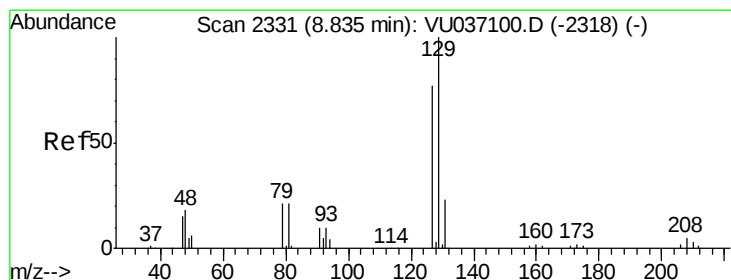
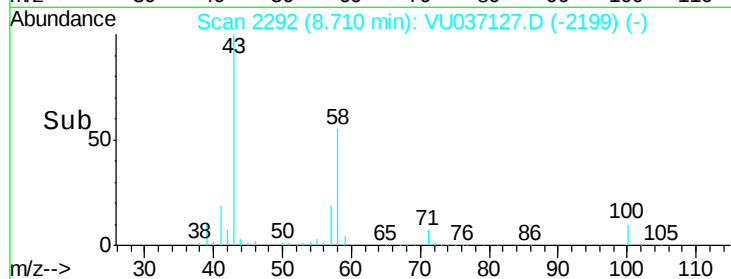
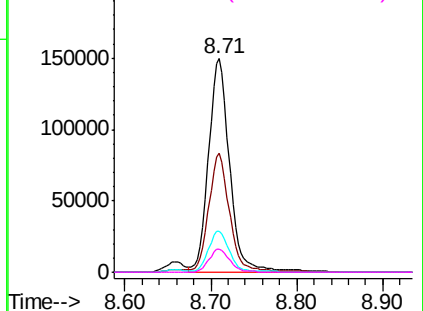
#48
2-Hexanone
Concen: 97.437 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 259371
Ion Ratio Lower Upper
43 100
58 52.8 43.5 65.3
57 18.4 15.1 22.7
100 10.7 8.7 13.1

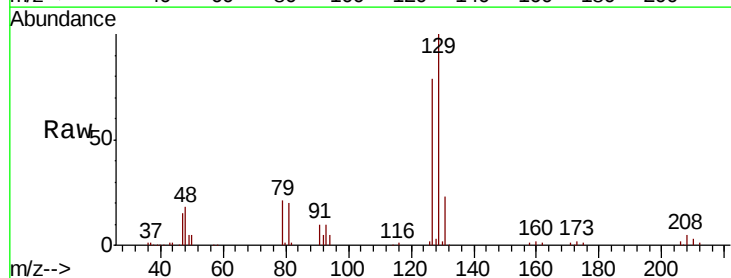


Abundance Ion 43.00 (42.70 to 43.70): VU037127.D (-2199) (-)
Ion 58.00 (57.70 to 58.70): VU037127.D (-2199) (-)
Ion 57.00 (56.70 to 57.70): VU037127.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VU037127.D (-2199) (-)

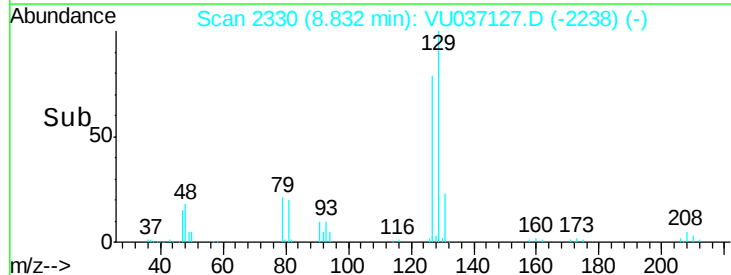
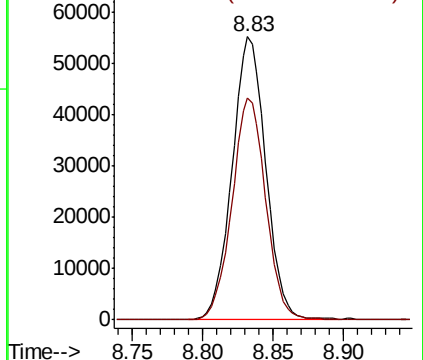


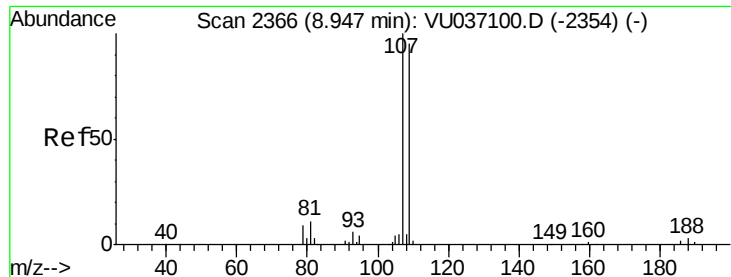
#49
Dibromochloromethane
Concen: 48.321 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Tgt Ion: 129 Resp: 92331
Ion Ratio Lower Upper
129 100
127 78.6 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VU037127.D (-2238) (-)
Ion 127.00 (126.70 to 127.70): VU037127.D (-2238) (-)

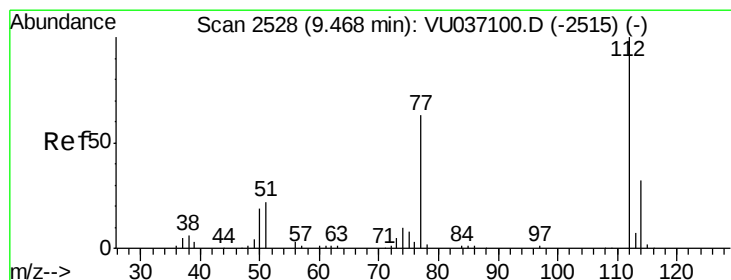
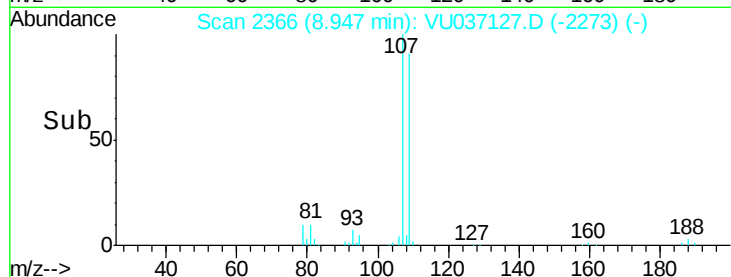
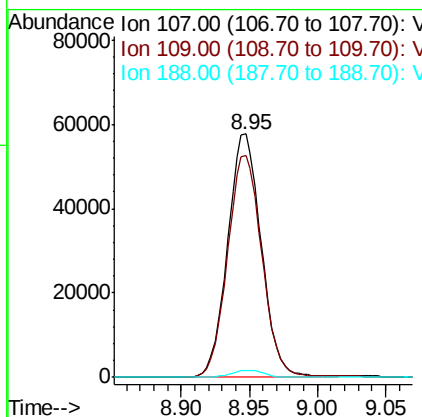
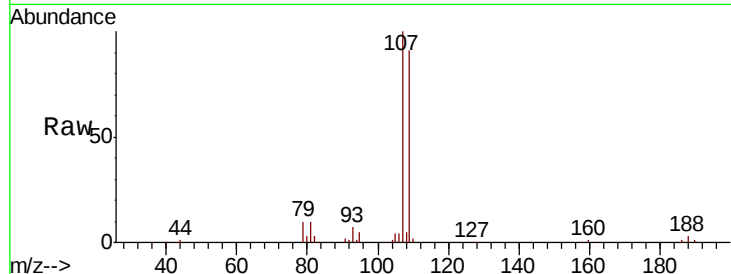




#50
 1,2-Dibromoethane
 Concen: 46.964 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

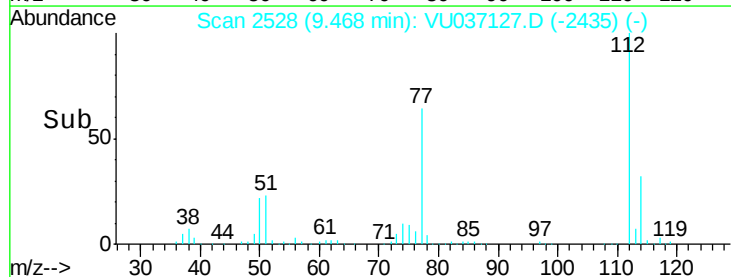
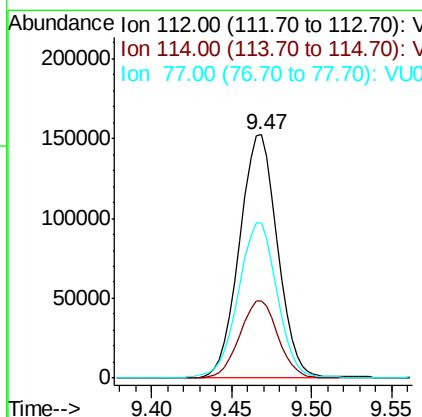
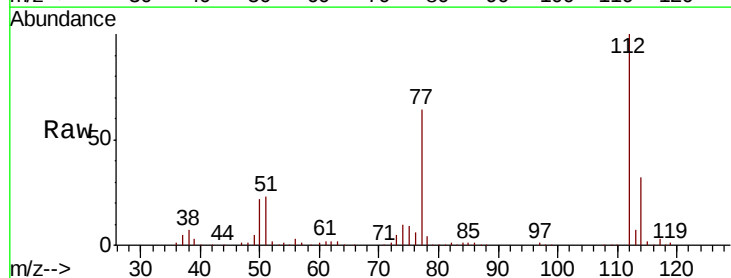
Instrument :
 MSVOA_U
 ClientSampleId :

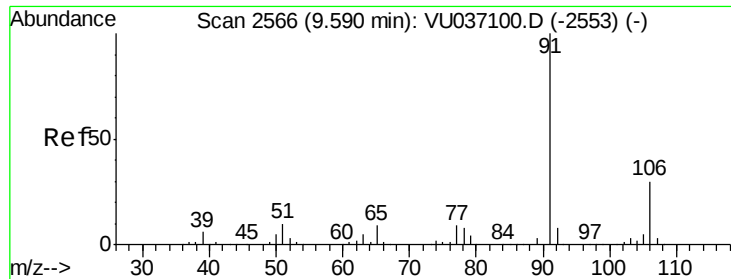
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	65.9	122.5
188	2.7	2.2	3.2



#51
 Chlorobenzene
 Concen: 46.692 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	63.6	50.1	75.1

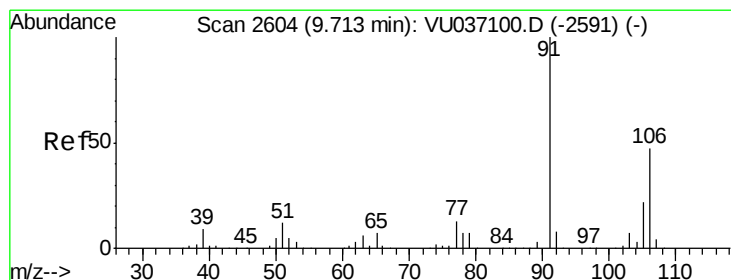
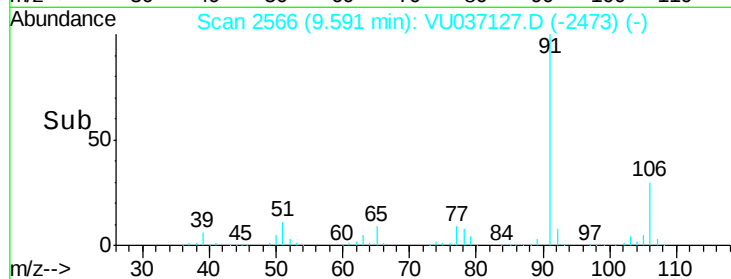
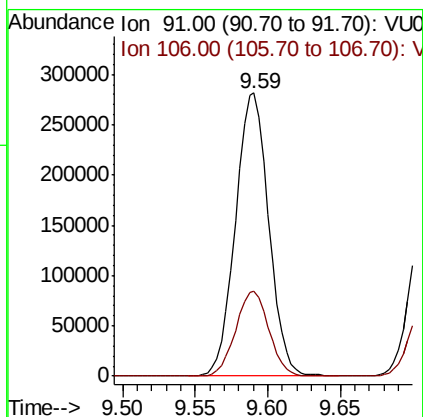
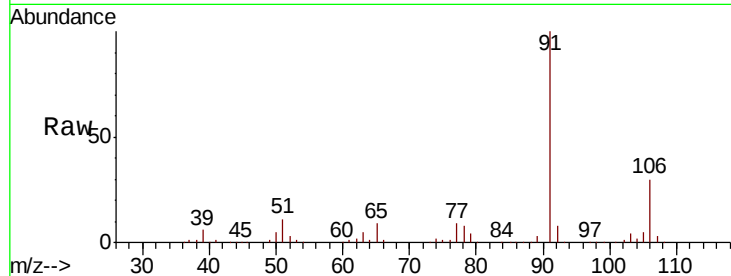




#52
Ethylbenzene
Concen: 46.164 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

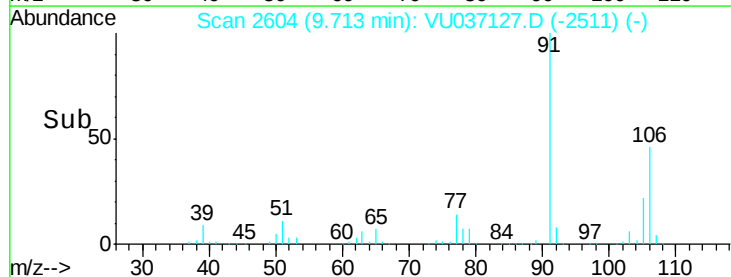
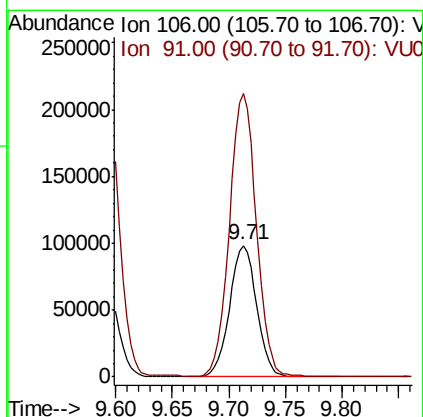
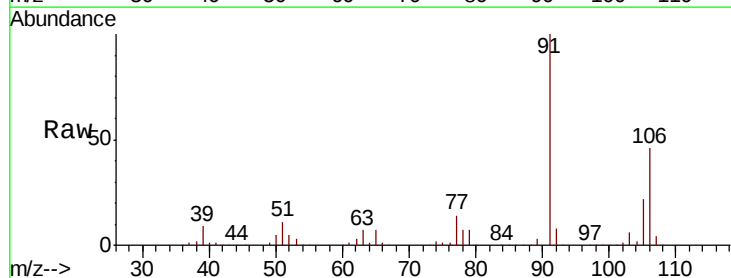
Instrument :
MSVOA_U
ClientSampleId :

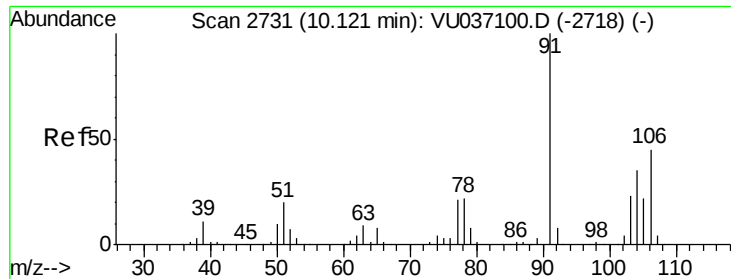
Tot Ion: 91 Resp: 448275
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.1



#53
m,p-Xylene
Concen: 46.025 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Tgt Ion: 106 Resp: 163938
Ion Ratio Lower Upper
106 100
91 215.9 145.3 269.9

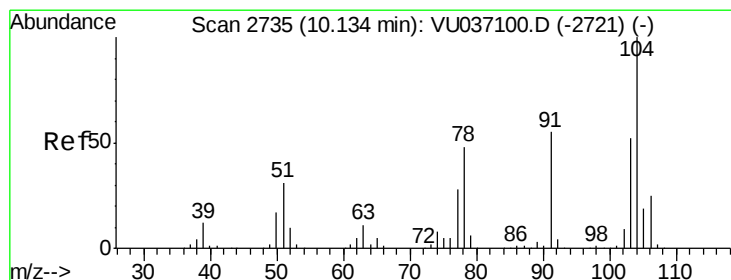
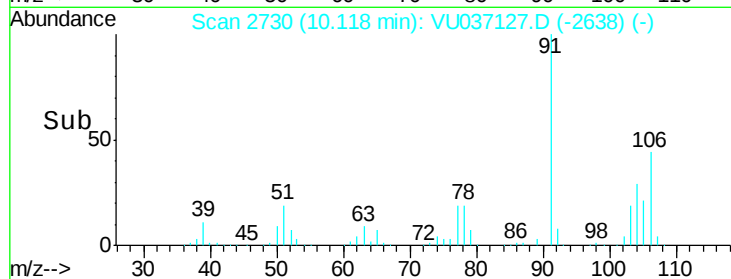
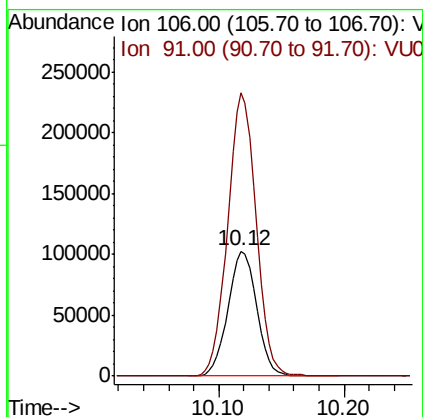
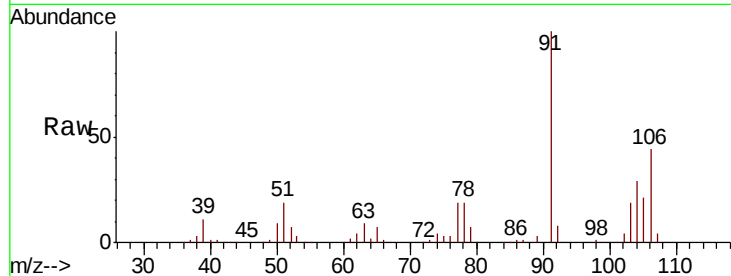




#54
o-xylene
Concen: 45.850 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

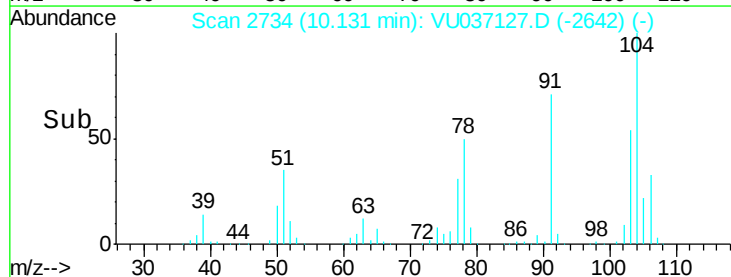
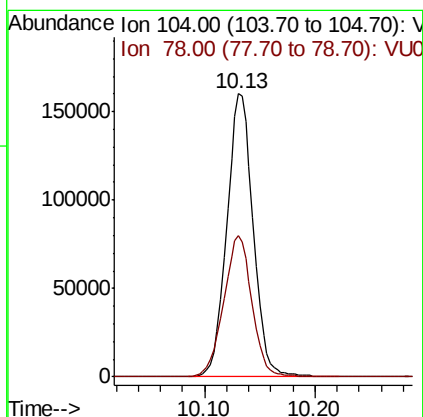
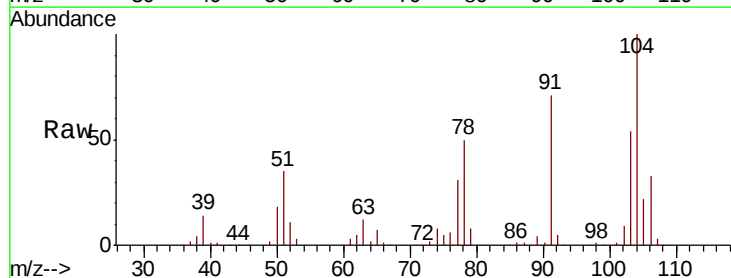
Instrument :
MSVOA_U
ClientSampled :

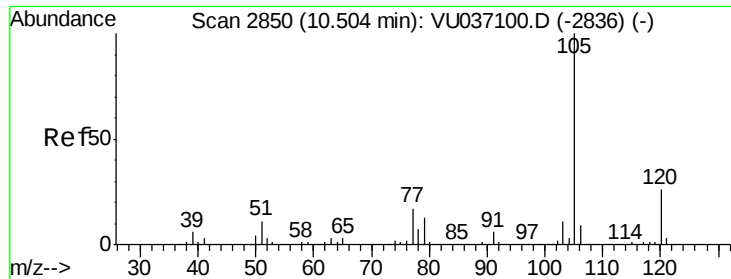
Tot Ion:106 Resp: 162886
Ion Ratio Lower Upper
106 100
91 226.8 154.2 286.4



#55
Styrene
Concen: 45.657 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037127.D
Acq: 06 Mar 2020 22:20

Tgt Ion:104 Resp: 265152
Ion Ratio Lower Upper
104 100
78 49.9 33.0 61.4





#56

Isopropylbenzene

Concen: 46.220 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

ClientSampleId :

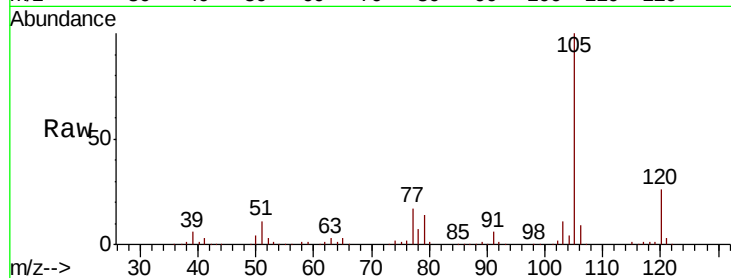
Tot Ion:105 Resp: 421743

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

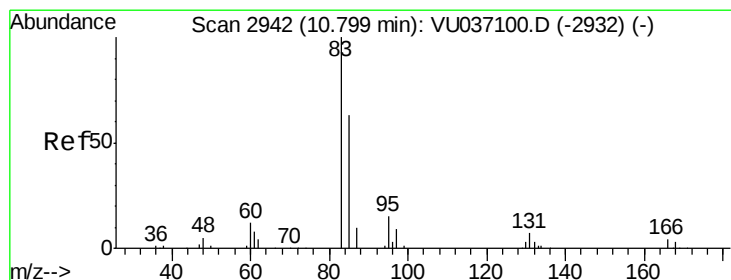
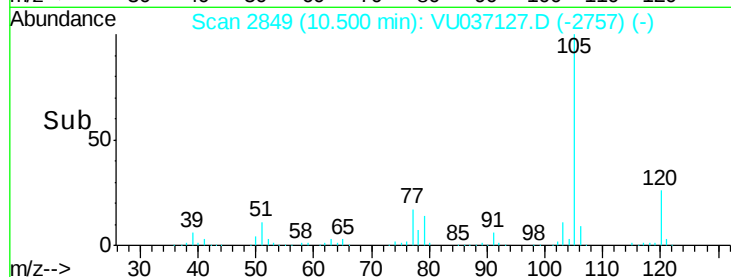
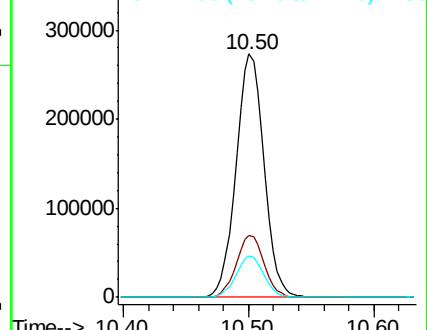
77 16.9 13.1 19.7



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: 49.973 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

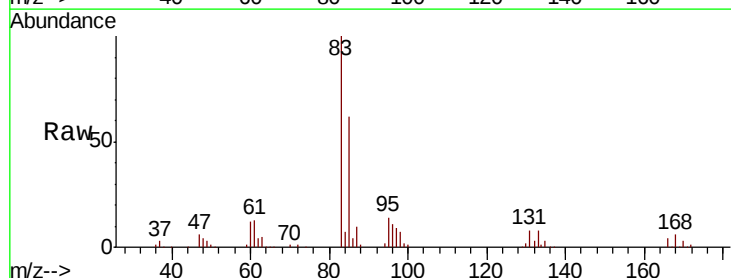
Tgt Ion: 83 Resp: 179852

Ion Ratio Lower Upper

83 100

85 62.4 45.5 84.5

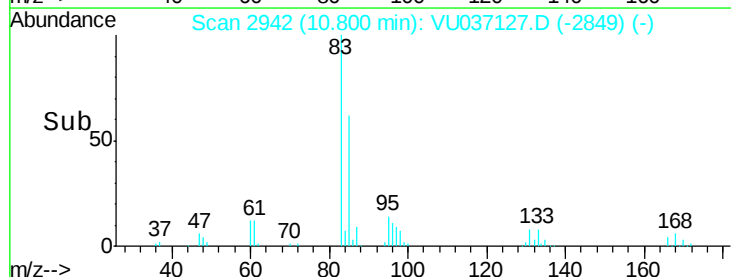
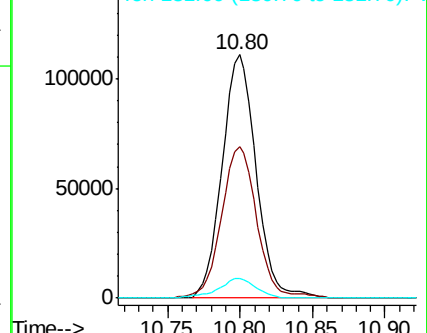
131 8.3 6.8 10.2

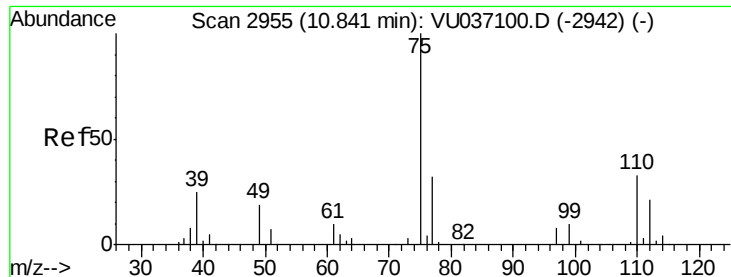


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

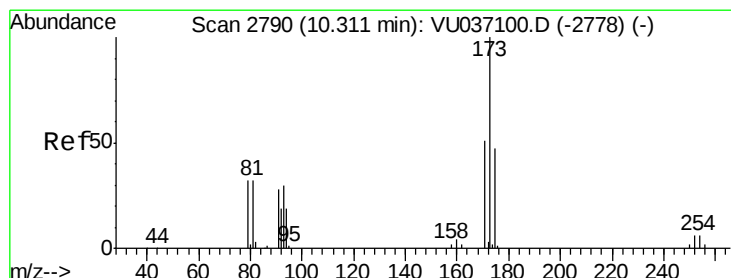
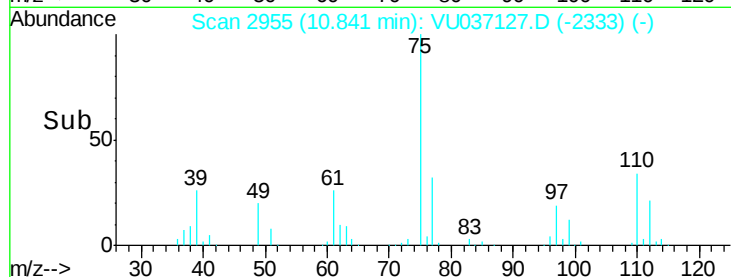
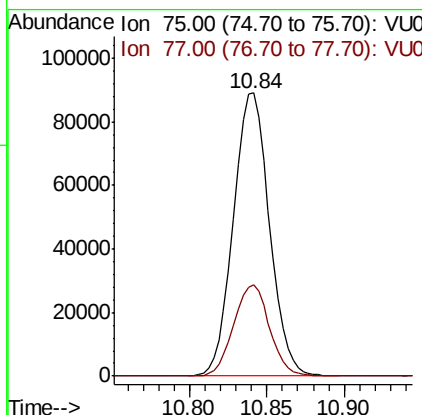
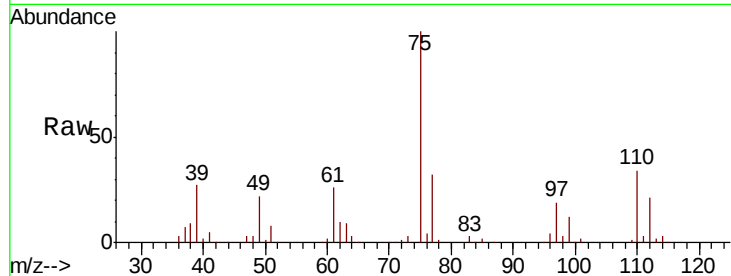




#59
 1,2,3-Trichloropropane
 Concen: 49.565 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

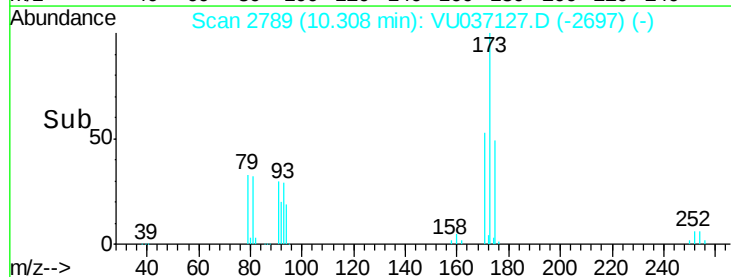
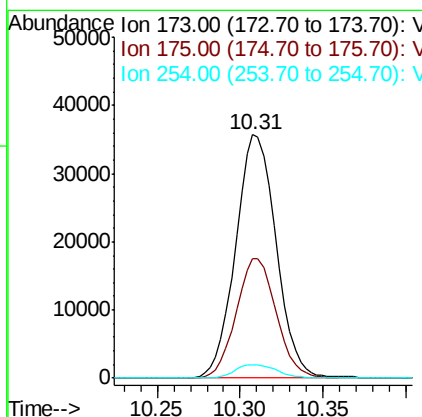
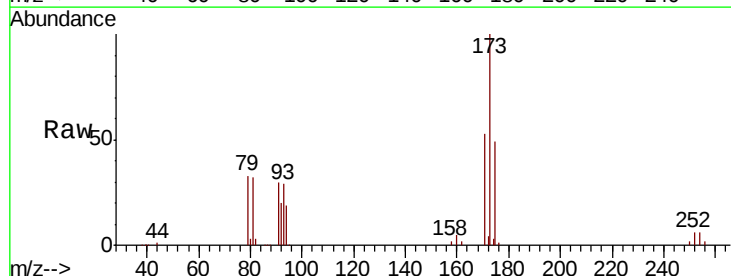
Instrument :
 MSVOA_U
 ClientSampleId :

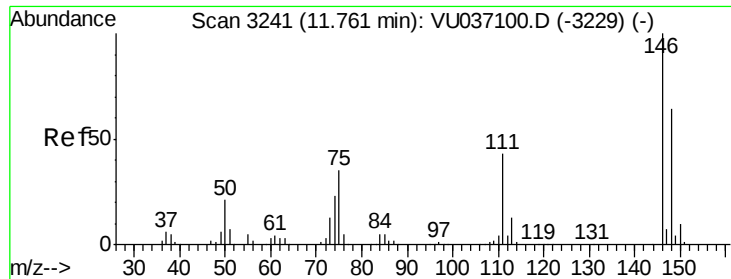
Tot Ion: 75 Resp: 144346
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#61
 Bromoform
 Concen: 47.153 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

Tgt Ion: 173 Resp: 60866
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.0 58.6
 254 5.7 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 46.019 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

ClientSampleId :

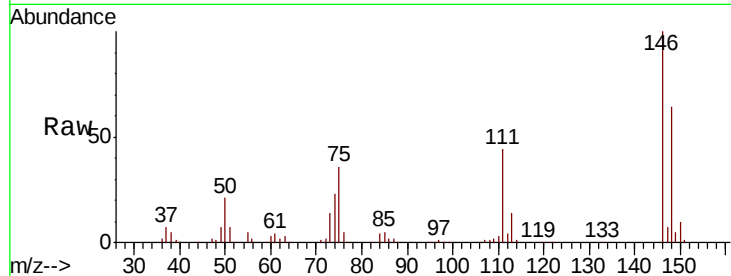
Tot Ion:146 Resp: 170444

Ion Ratio Lower Upper

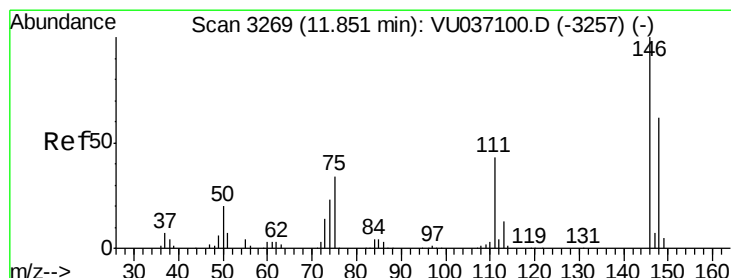
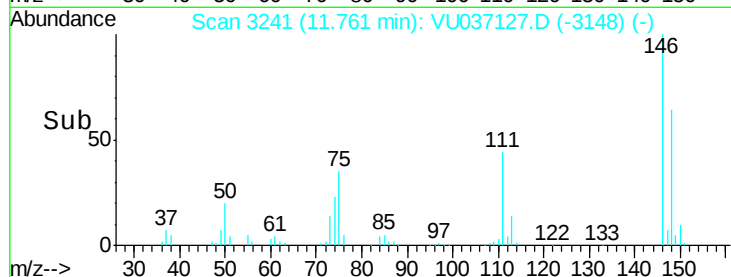
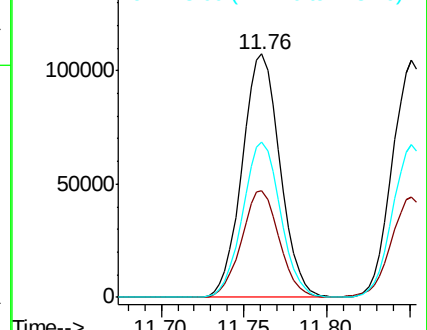
146 100

111 44.0 30.7 56.9

148 63.9 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.251 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

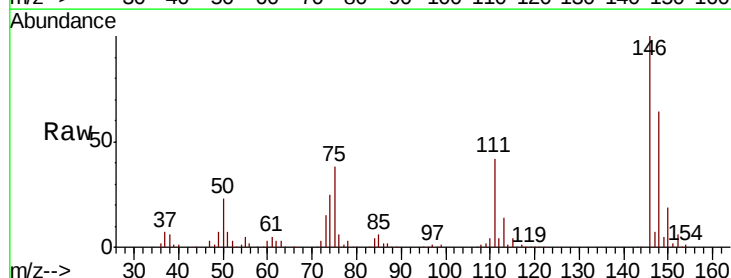
Tgt Ion:146 Resp: 169245

Ion Ratio Lower Upper

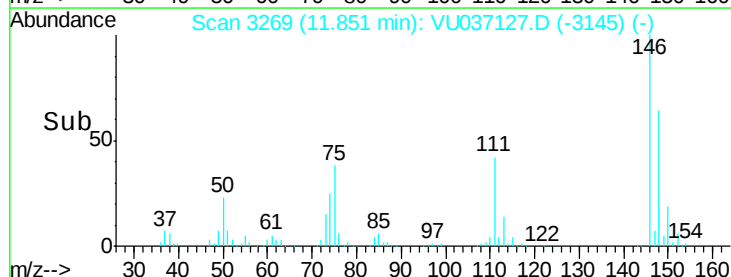
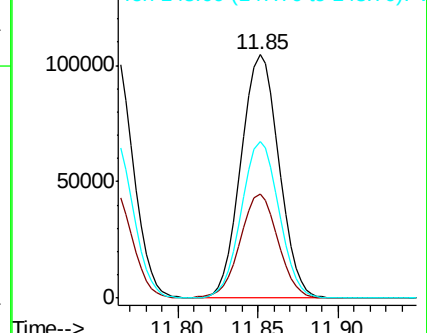
146 100

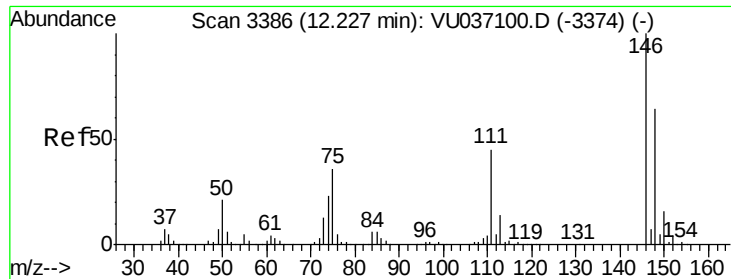
111 42.5 29.8 55.4

148 64.2 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.053 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

ClientSampled :

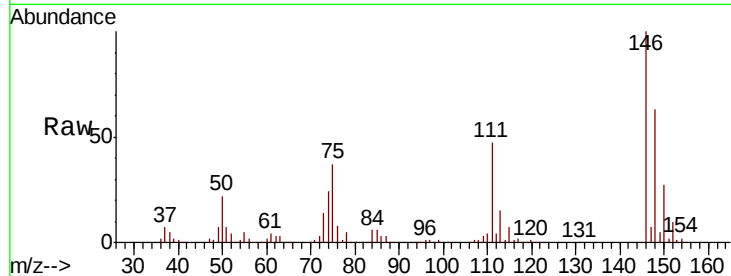
Tot Ion:146 Resp: 177704

Ion Ratio Lower Upper

146 100

111 46.8 35.4 53.0

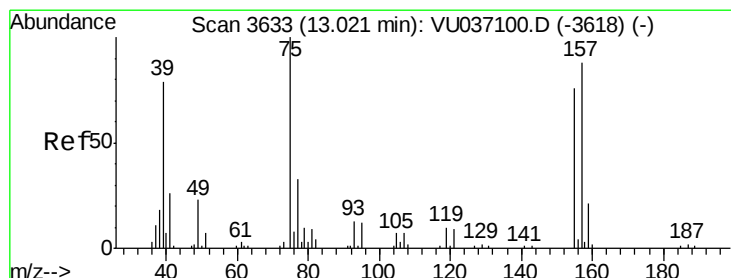
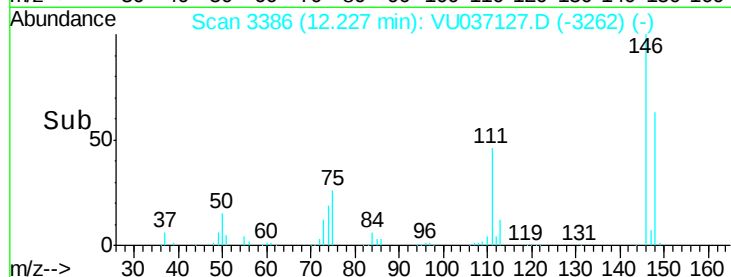
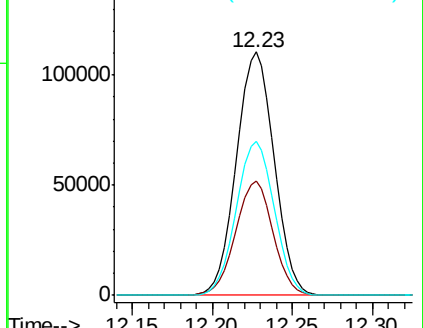
148 63.1 50.5 75.7



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: 48.823 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

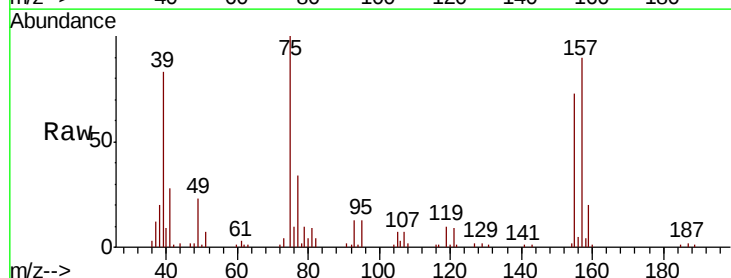
Tgt Ion: 75 Resp: 35820

Ion Ratio Lower Upper

75 100

155 72.7 55.7 83.5

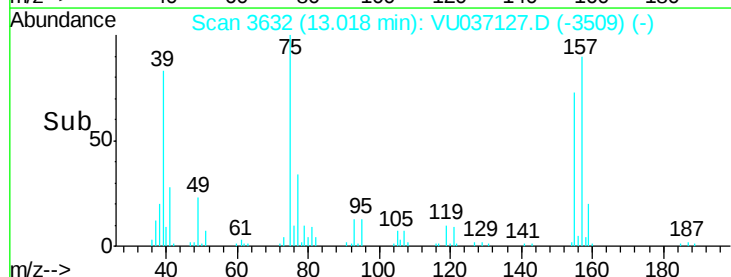
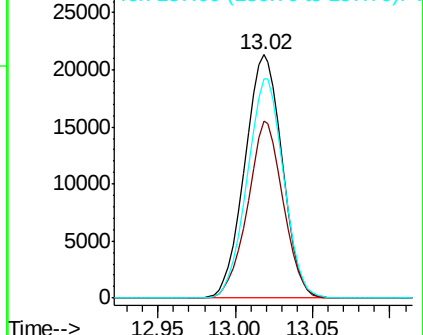
157 90.3 73.0 109.6

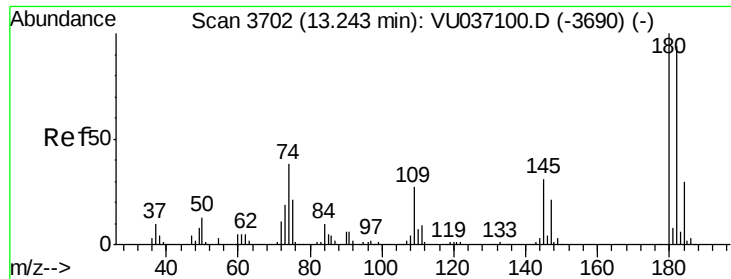


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

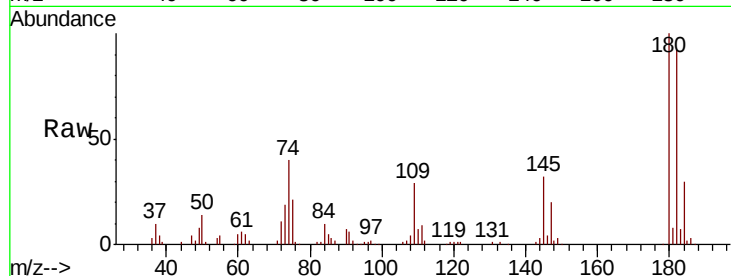




#67
 1,3,5-Trichlorobenzene
 Concen: 46.210 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	180	Resp	108635
Ion Ratio	Lower	Upper	
180	100		
182	92.8	76.9	115.3
184	29.4	24.2	36.2
145	31.9	25.3	37.9



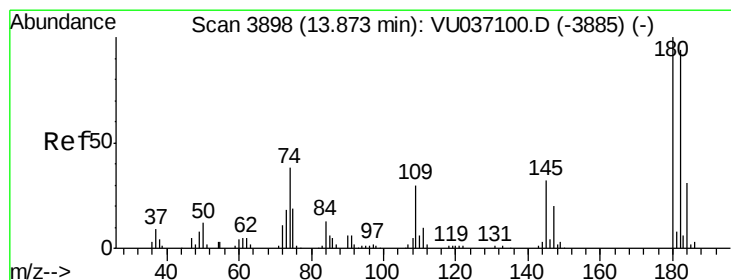
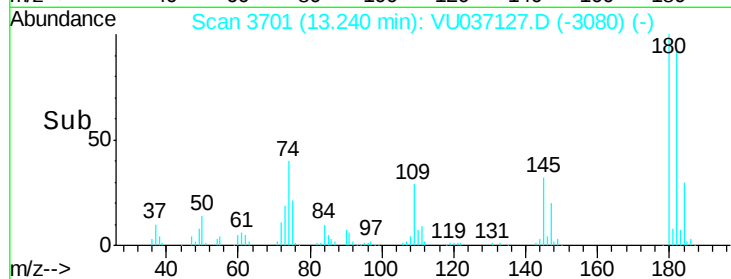
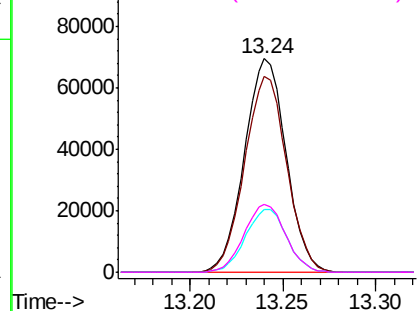
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

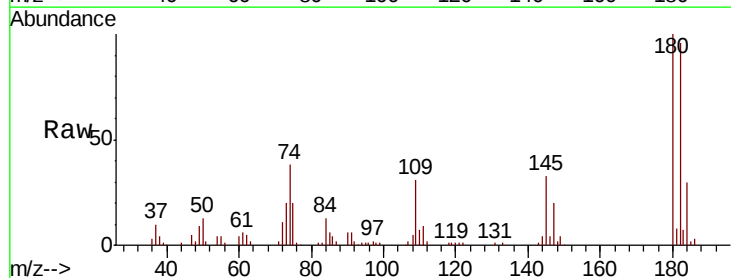
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 44.389 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037127.D
 Acq: 06 Mar 2020 22:20

Tgt Ion	180	Resp	78184
Ion Ratio	Lower	Upper	
180	100		
182	95.1	75.3	112.9
145	32.3	26.2	39.4

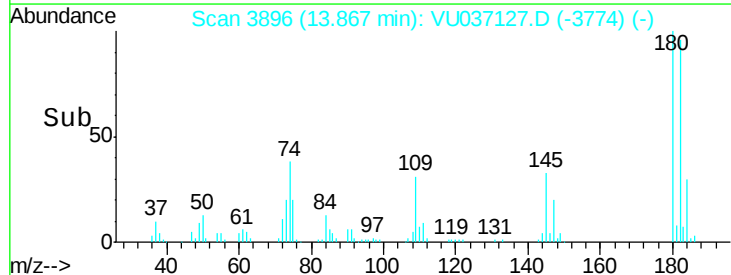
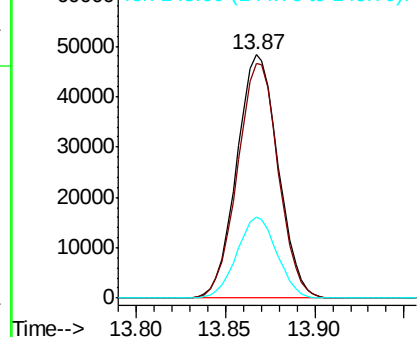


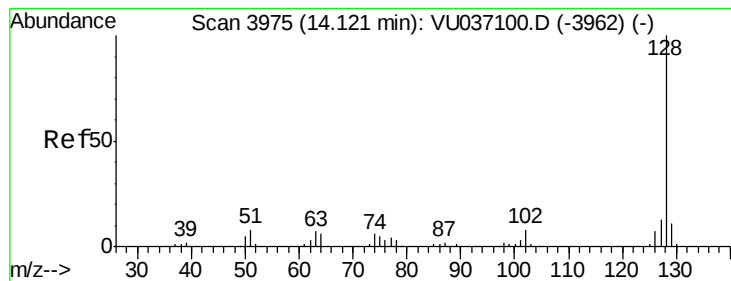
Abundance

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: 38.446 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

Instrument :

MSVOA_U

ClientSampleId :

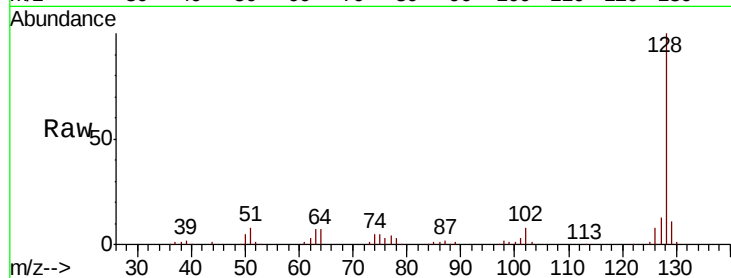
Tot Ion:128 Resp: 119537

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.4

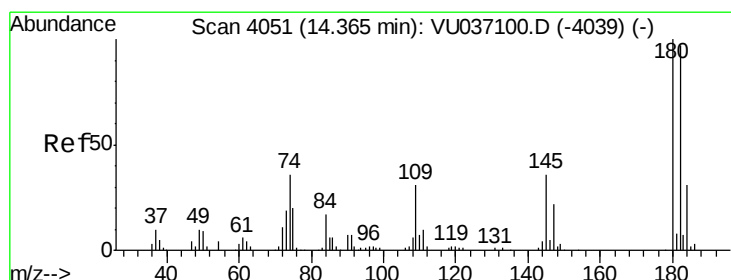
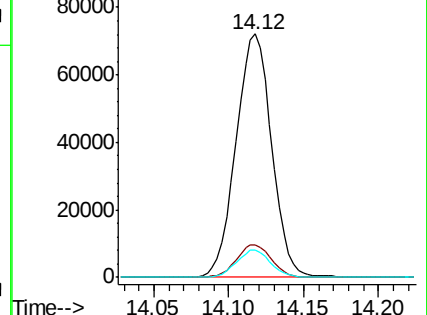
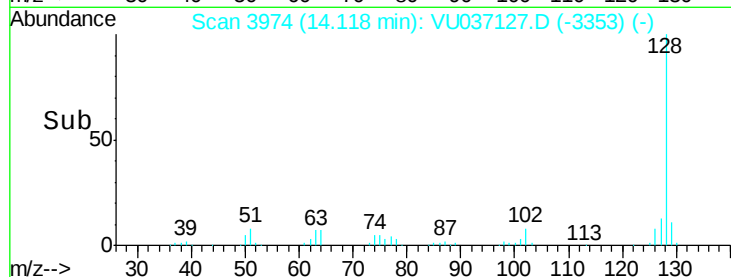
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 46.159 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU037127.D

Acq: 06 Mar 2020 22:20

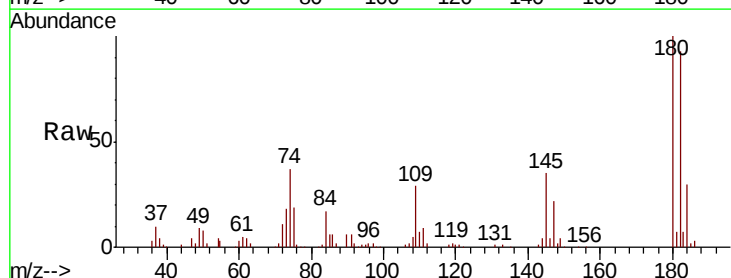
Tgt Ion:180 Resp: 81245

Ion Ratio Lower Upper

180 100

182 94.4 77.0 115.6

145 34.3 28.1 42.1



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

