

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
 Data File : VU038134.D
 Acq On : 13 May 2020 09:54
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 01:09:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 11:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	381329	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	370371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	182973	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	167864	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.93	69	135985	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.59	63	272239	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.68	46	478321	55.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	5.10	84	256627	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.74	65	147404	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.76	84	532568	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.72	67	172615	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.93	98	492968	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.20	79	72401	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.66	63	352849	52.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.16%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	145495	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	177071	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	163644	4.692	ug/L 97
3) Chloromethane	1.53	50	180651	4.298	ug/L 100
5) Vinyl chloride	1.62	62	184845	4.488	ug/L 100
6) Bromomethane	1.88	94	101453	4.327	ug/L 98
8) Chloroethane	1.95	64	110681	4.369	ug/L 98
9) Trichlorofluoromethane	2.16	101	198758	4.720	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	123622	4.736	ug/L 99
12) 1,1-Dichloroethene	2.61	96	122686	4.636	ug/L 94
13) Acetone	2.68	43	295072	54.650	ug/L 99
14) Carbon disulfide	2.82	76	407860	4.321	ug/L 99
15) Methyl Acetate	2.99	43	72264	4.785	ug/L 97
16) Methylene chloride	3.08	84	139058	4.508	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	333321	4.533	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	133154	4.609	ug/L 99
19) 1,1-Dichloroethane	3.91	63	253752	4.497	ug/L 98
21) 2-Butanone	4.76	43	508264	53.333	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	145535	4.675	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
 Data File : VU038134.D
 Acq On : 13 May 2020 09:54
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 01:09:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 11:35:51 2020
 Response via : Initial Calibration

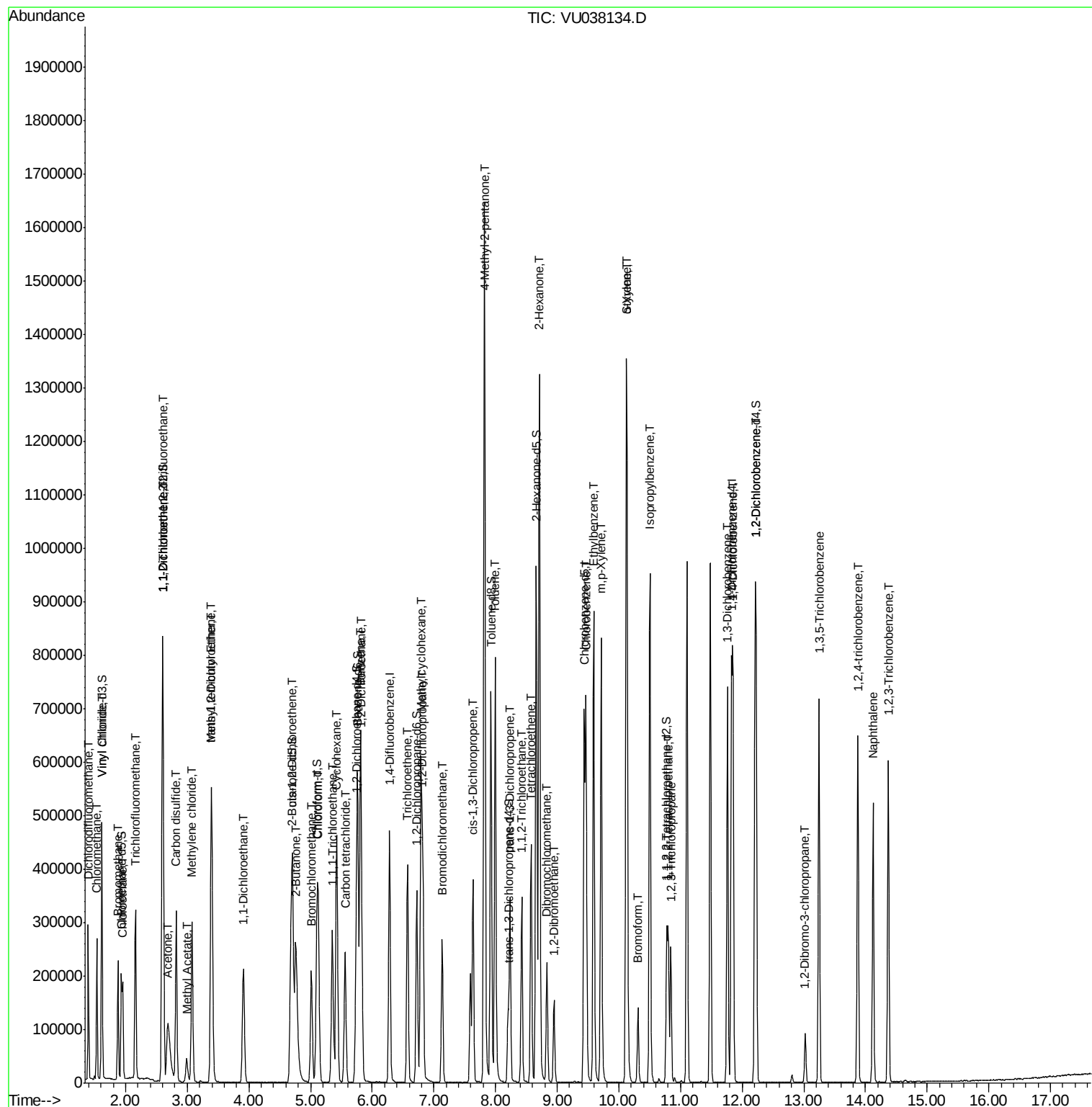
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	62698	4.680	ug/L	99
25) Chloroform	5.13	83	244574	4.647	ug/L	100
27) 1,2-Dichloroethane	5.83	62	172584	4.645	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	202057	4.762	ug/L	99
30) Cyclohexane	5.42	56	240837	4.807	ug/L	99
31) Carbon tetrachloride	5.56	117	163899	4.806	ug/L	99
33) Benzene	5.81	78	562597	4.743	ug/L	100
34) Trichloroethene	6.57	95	137822	4.646	ug/L	98
35) Methylcyclohexane	6.79	83	241492	5.026	ug/L	94
37) 1,2-Dichloropropane	6.82	63	147435	4.577	ug/L	99
38) Bromodichloromethane	7.13	83	173897	4.669	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	221359	4.801	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1131550	50.679	ug/L	99
42) Toluene	8.00	91	588576	4.701	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	189101	4.823	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	108338	4.843	ug/L	98
47) Tetrachloroethene	8.58	164	100666	4.852	ug/L	100
48) 2-Hexanone	8.71	43	843936	51.612	ug/L	98
49) Dibromochloromethane	8.84	129	112786	4.858	ug/L	99
50) 1,2-Dibromoethane	8.95	107	101695	4.898	ug/L #	100
51) Chlorobenzene	9.47	112	369732	4.758	ug/L	99
52) Ethylbenzene	9.59	91	645035	4.756	ug/L	99
53) m,p-Xylene	9.71	106	249524	4.798	ug/L	100
54) o-Xylene	10.12	106	240710	4.787	ug/L	98
55) Styrene	10.13	104	406388	4.815	ug/L	99
56) Isopropylbenzene	10.50	105	628054	4.863	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	140467	4.945	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	107917	4.991	ug/L	99
61) Bromoform	10.31	173	61113	4.941	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	287649	4.832	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	291517	4.832	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	275363	4.808	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	23295	4.976	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	214033	4.954	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	192870	4.923	ug/L	99
69) Naphthalene	14.12	128	404507	4.904	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	177706	4.880	ug/L	99

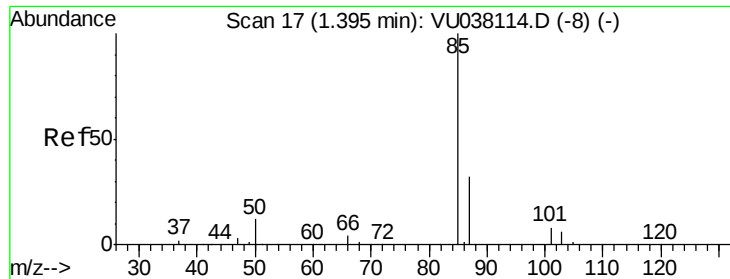
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
Data File : VU038134.D
Acq On : 13 May 2020 09:54
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 14 01:09:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 11:35:51 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.692 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

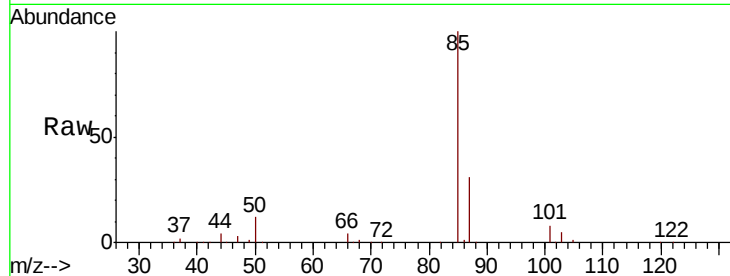
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 163644

Ion Ratio Lower Upper

85 100

87 31.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038114.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038114.D (-8) (-)

1.39

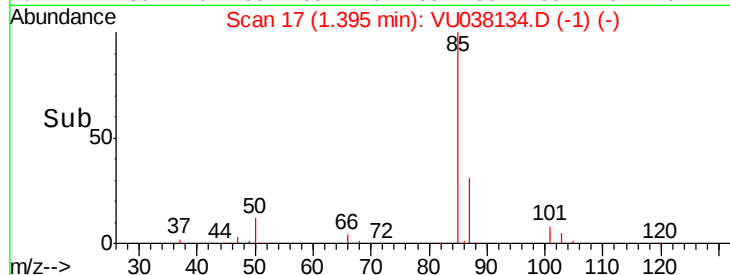
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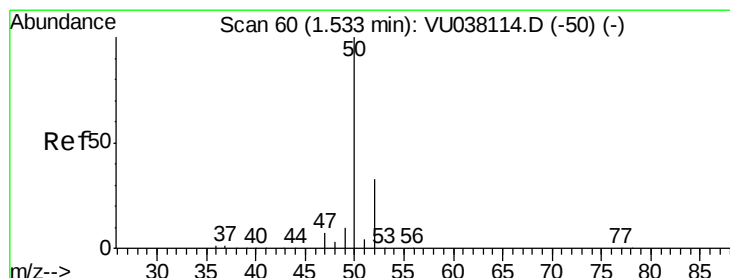
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.298 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038134.D

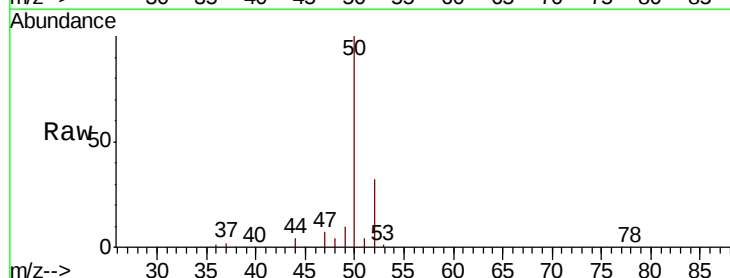
Acq: 13 May 2020 09:54

Tgt Ion: 50 Resp: 180651

Ion Ratio Lower Upper

50 100

52 32.3 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038114.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038114.D (-50) (-)

1.53

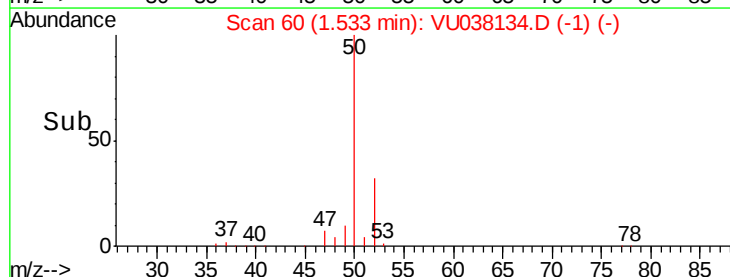
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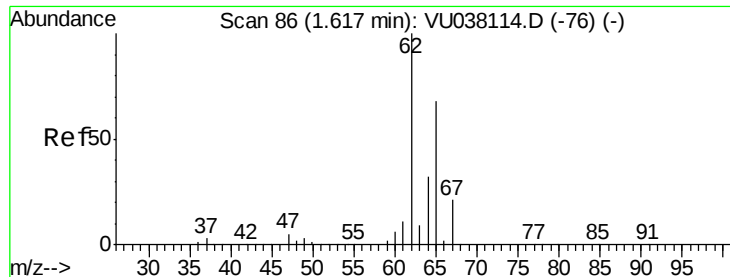
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 4.488 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

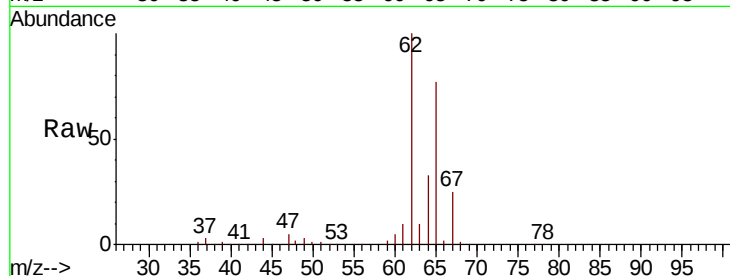
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 184845

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038114.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038114.D (-76) (-)

1.62

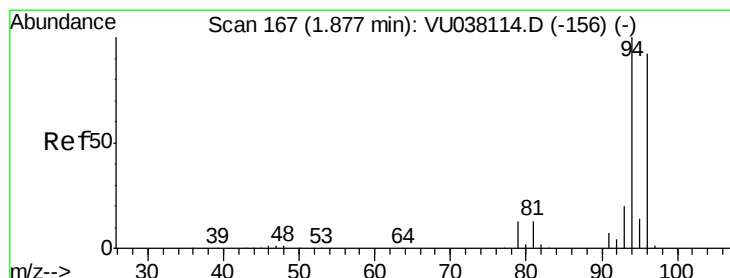
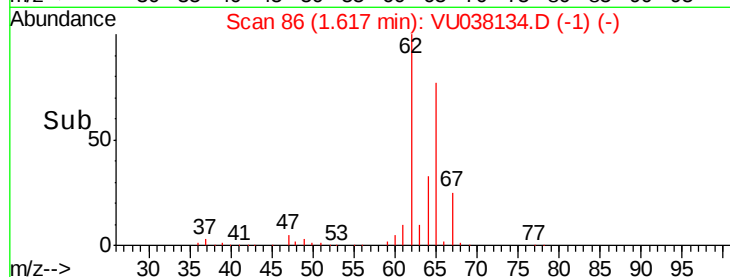
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.327 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038134.D

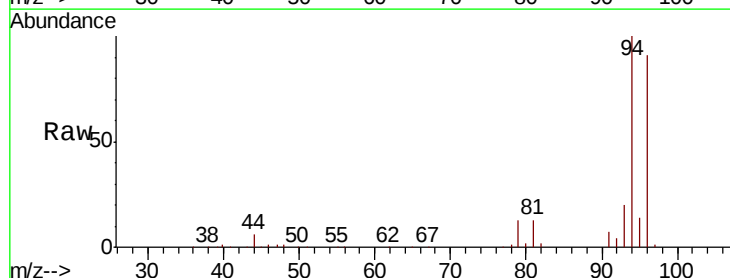
Acq: 13 May 2020 09:54

Tgt Ion: 94 Resp: 101453

Ion Ratio Lower Upper

94 100

96 90.9 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038114.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038114.D (-156) (-)

1.88

80000

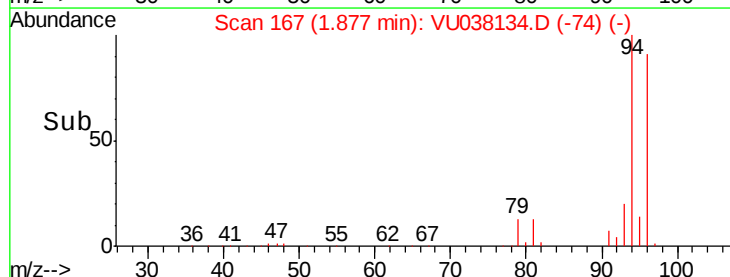
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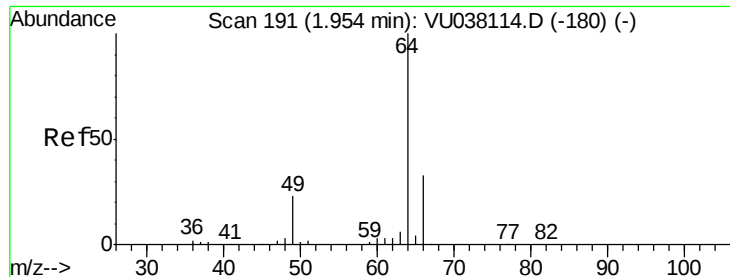
40000

20000

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Time-->





#8

Chloroethane

Concen: 4.369 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

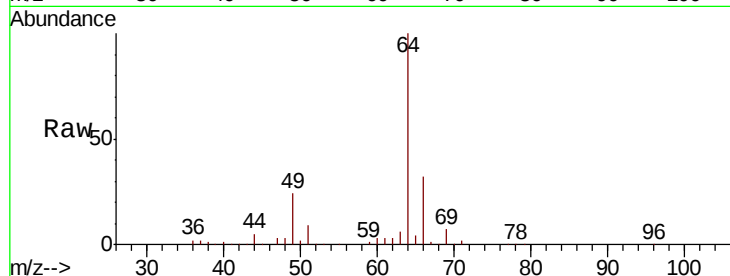
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 110681

Ion Ratio Lower Upper

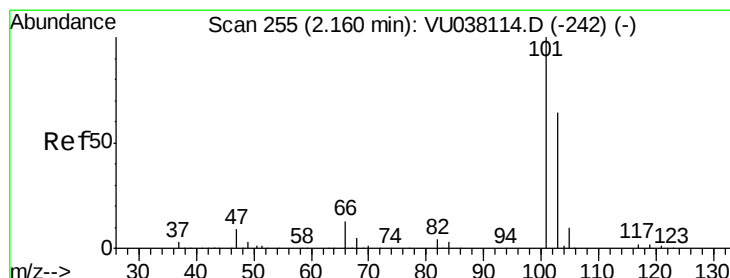
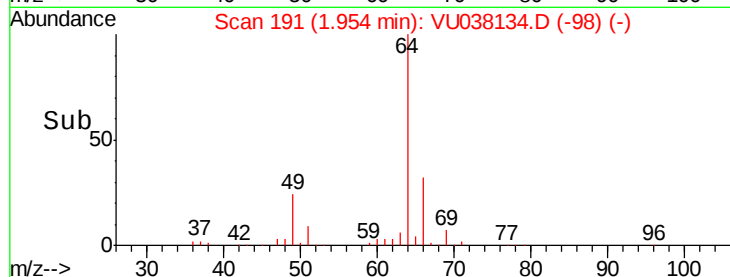
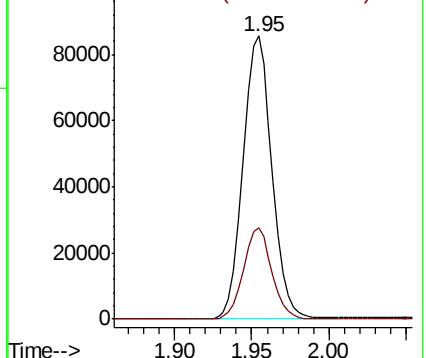
64 100

66 32.4 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038114.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU038114.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.720 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038134.D

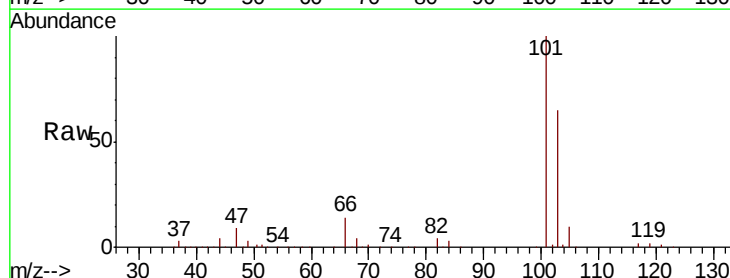
Acq: 13 May 2020 09:54

Tgt Ion:101 Resp: 198758

Ion Ratio Lower Upper

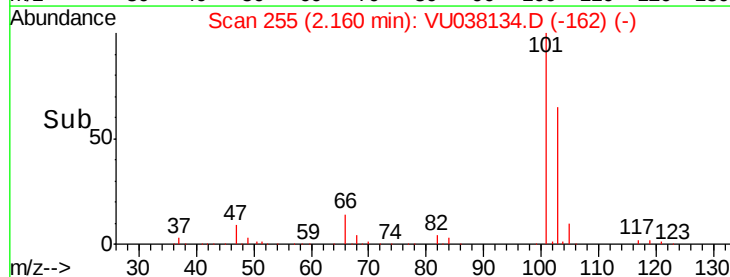
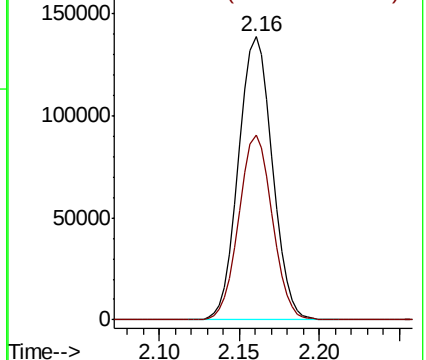
101 100

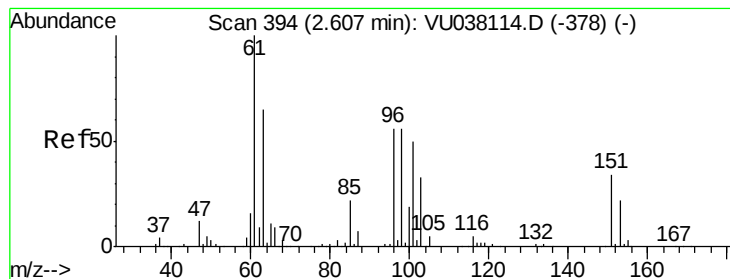
103 64.8 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038114.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038114.D (-242) (-)





#10

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

Concen: 4.736 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

Instrument :

MSVOA_U

ClientSampled :

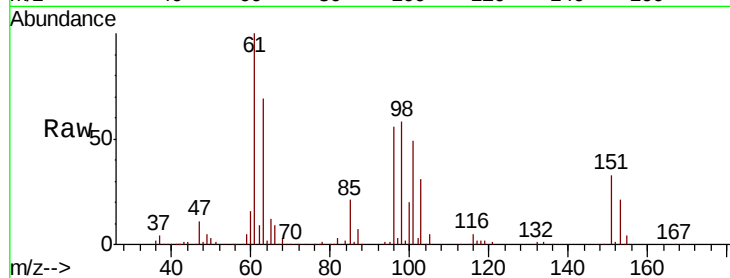
Tot Ion:101 Resp: 123622

Ion Ratio Lower Upper

101 100

85 42.7 35.3 52.9

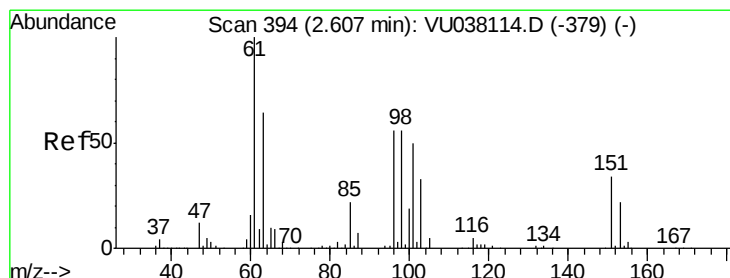
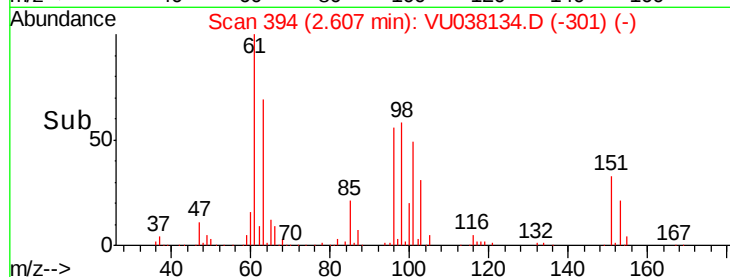
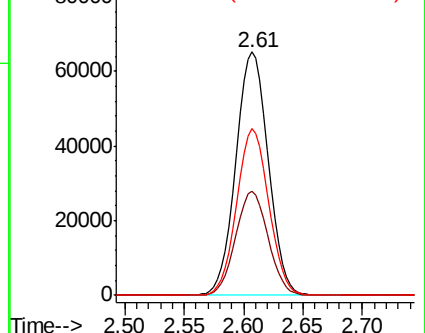
151 67.8 54.2 81.2



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: 4.636 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

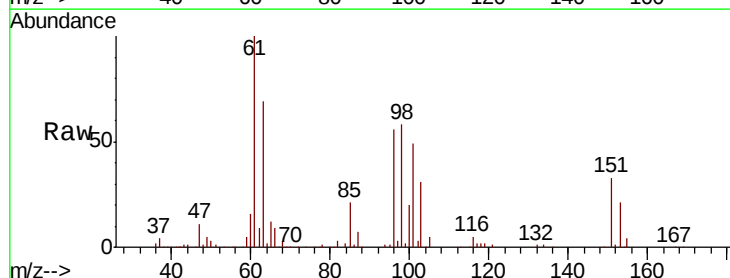
Tgt Ion: 96 Resp: 122686

Ion Ratio Lower Upper

96 100

61 179.5 126.2 234.4

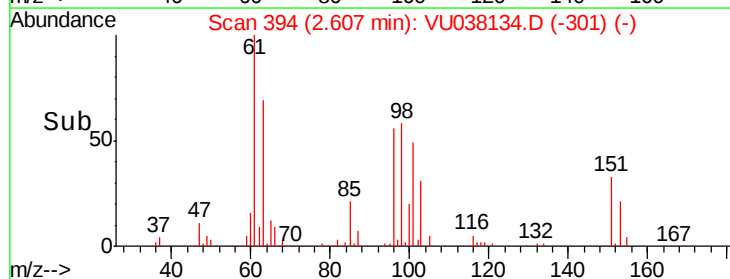
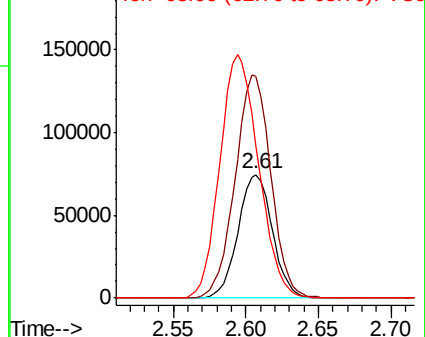
63 123.8 96.9 179.9

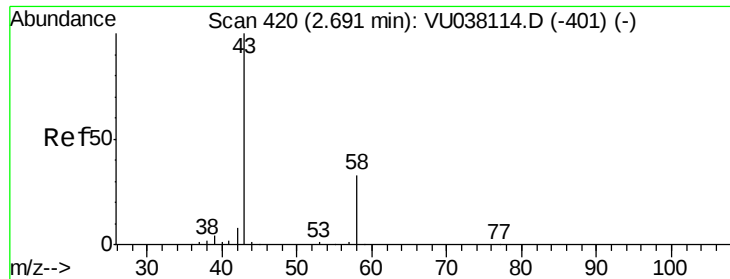


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.650 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.01 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

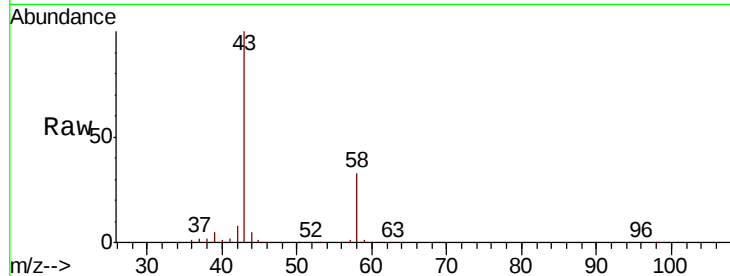
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 295072

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038114.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038114.D (-401) (-)

80000

60000

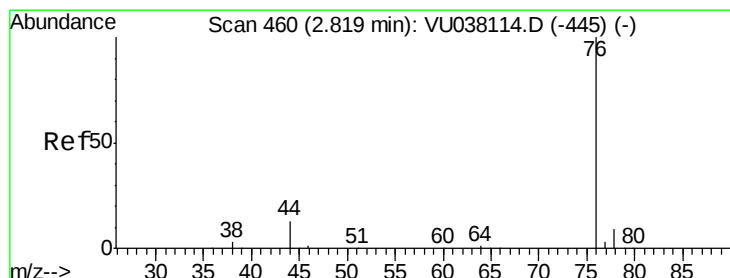
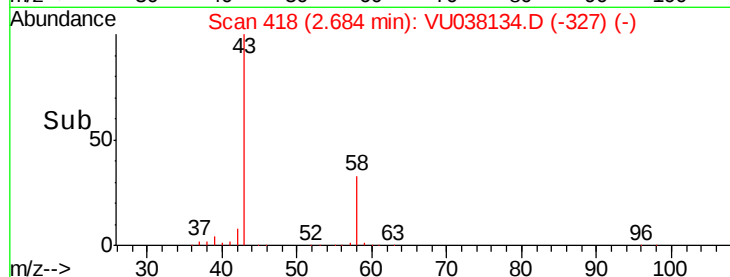
40000

20000

0

2.60 2.70 2.80 2.90

Time-->



#14

Carbon disulfide

Concen: 4.321 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038134.D

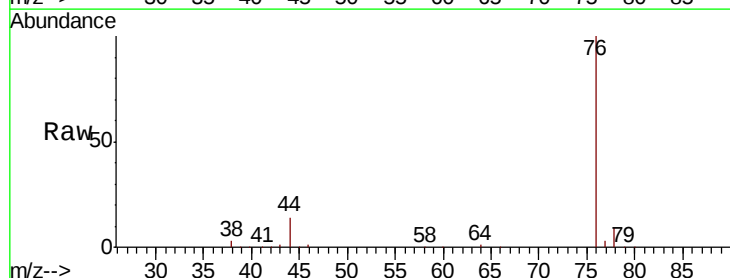
Acq: 13 May 2020 09:54

Tgt Ion: 76 Resp: 407860

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038114.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038114.D (-445) (-)

250000

200000

150000

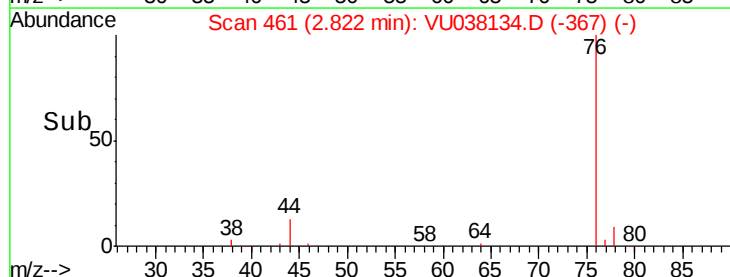
100000

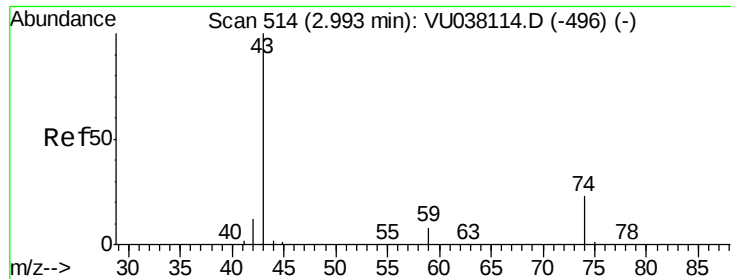
50000

0

2.75 2.80 2.85 2.90

Time-->





#15

Methvl Acetate

Concen: 4.785 ug/L

RT: 2.99 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

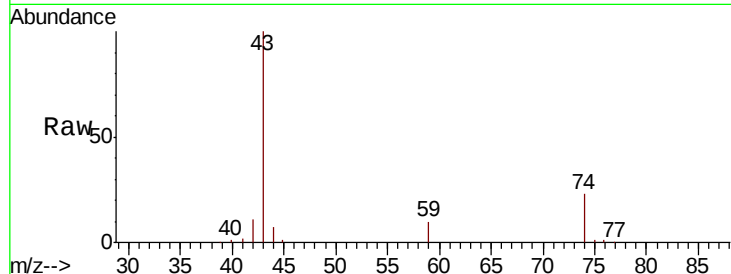
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 72264

Ion Ratio Lower Upper

43 100

74 23.9 18.0 27.0



Abundance Ion 43.05 (42.75 to 43.75): VU038114.D (-496) (-)

Ion 74.05 (73.75 to 74.75): VU038114.D (-496) (-)

2.99

30000

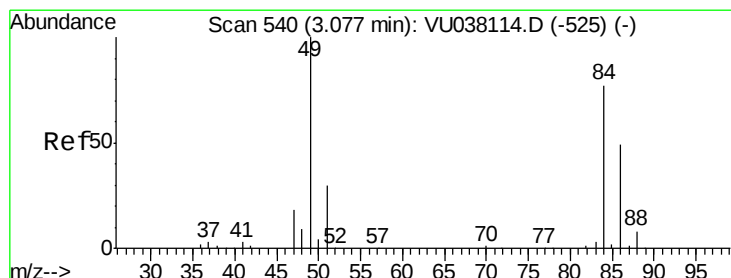
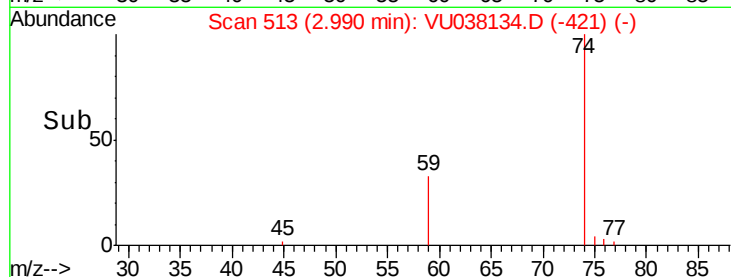
20000

10000

0

2.90 2.95 3.00 3.05 3.10

Time-->



#16

Methylene chloride

Concen: 4.508 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

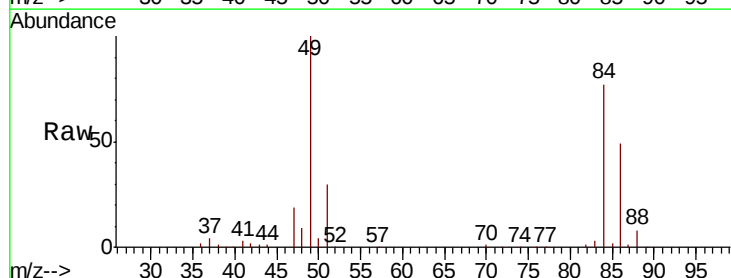
Tgt Ion: 84 Resp: 139058

Ion Ratio Lower Upper

84 100

86 63.3 44.9 83.3

49 130.0 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU038114.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038114.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038114.D (-525) (-)

3.08

120000

100000

80000

60000

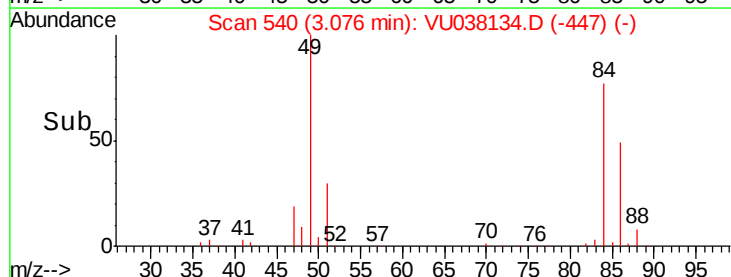
40000

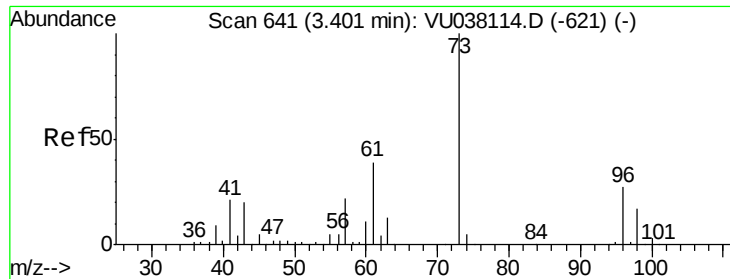
20000

0

3.00 3.10 3.20

Time-->

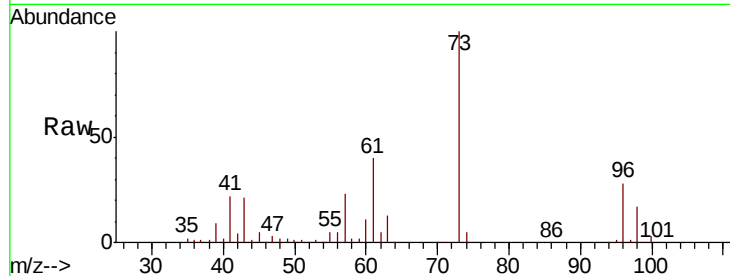




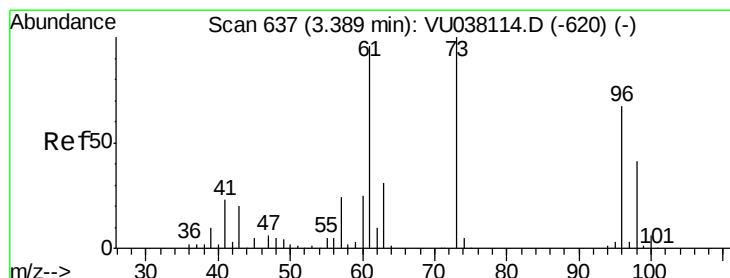
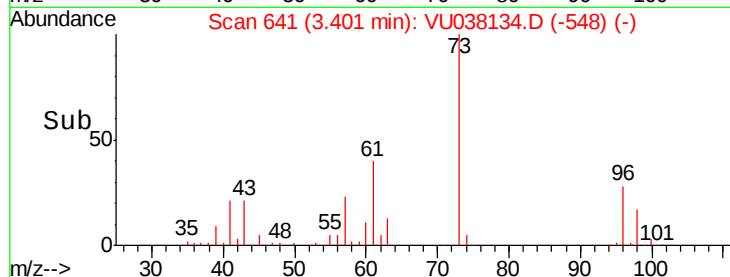
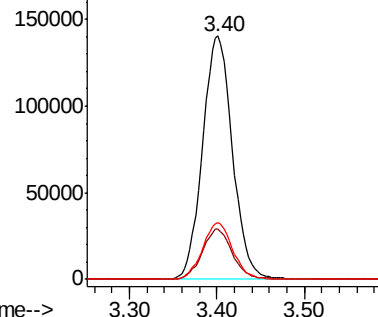
#17
Methvl tert-butvl Ether
Concen: 4.533 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038134.D
Acq: 13 May 2020 09:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 333321
Ion Ratio Lower Upper
73 100
43 20.5 16.9 25.3
57 23.2 18.2 27.2

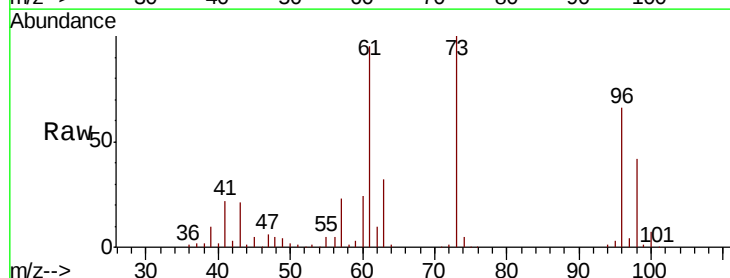


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

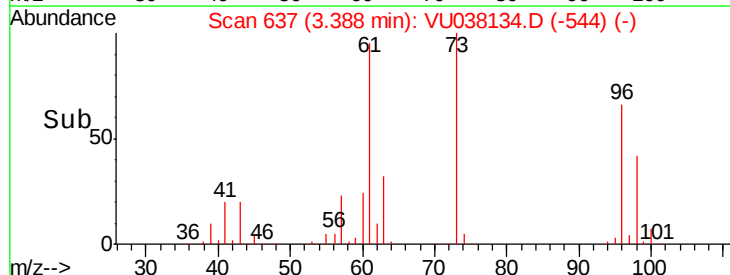
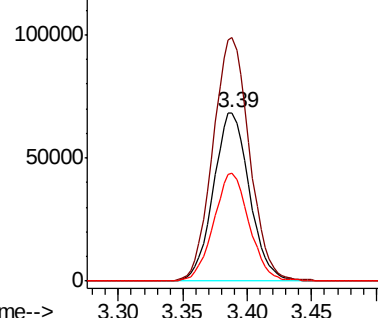


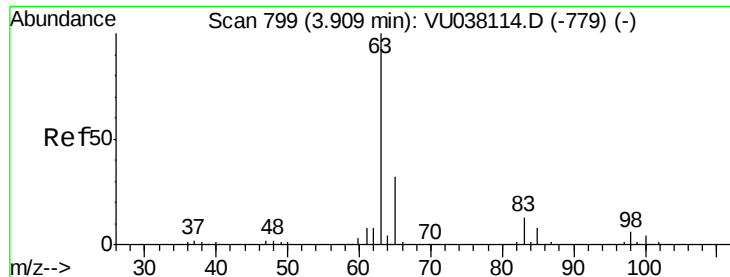
#18
trans-1,2-Dichloroethene
Concen: 4.609 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038134.D
Acq: 13 May 2020 09:54

Tgt Ion: 96 Resp: 133154
Ion Ratio Lower Upper
96 100
61 144.4 102.1 189.5
98 64.2 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

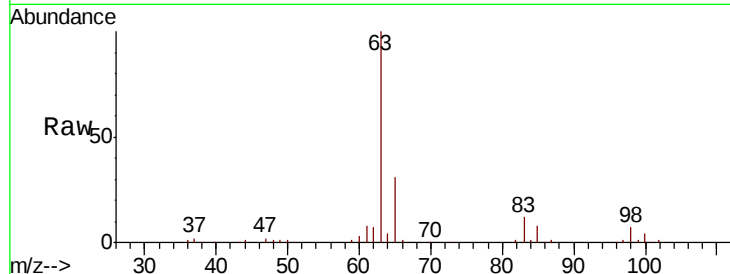




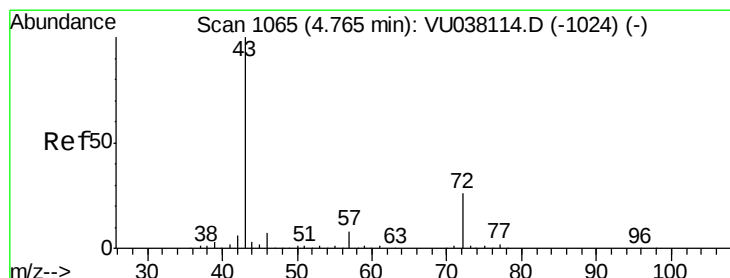
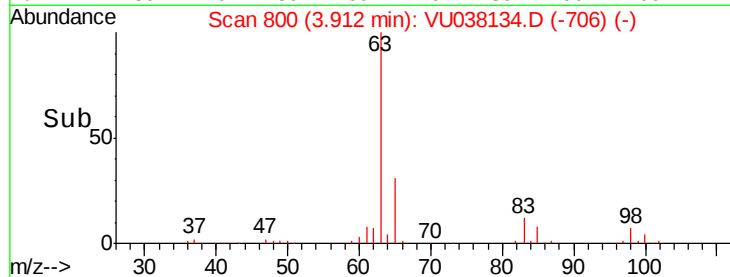
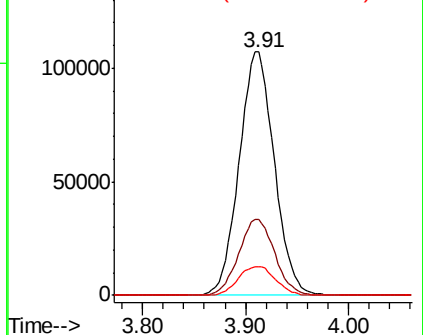
#19
 1,1-Dichloroethane
 Concen: 4.497 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 253752
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.5 41.7
 83 11.8 8.9 16.5

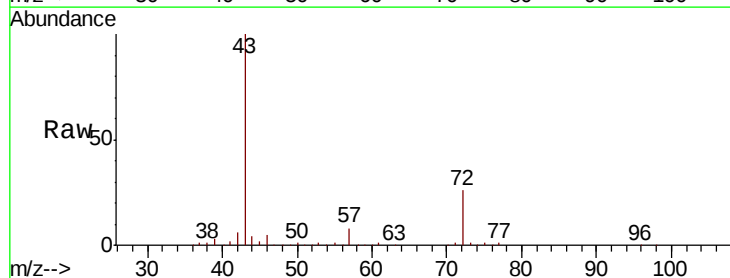


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

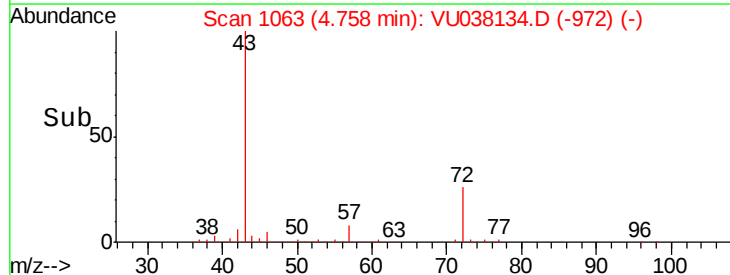
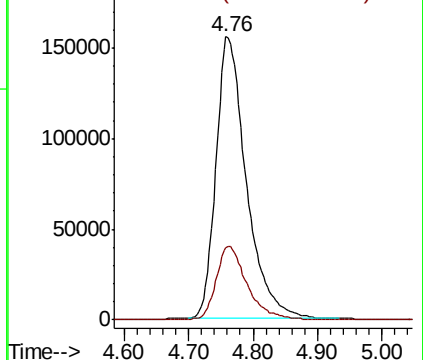


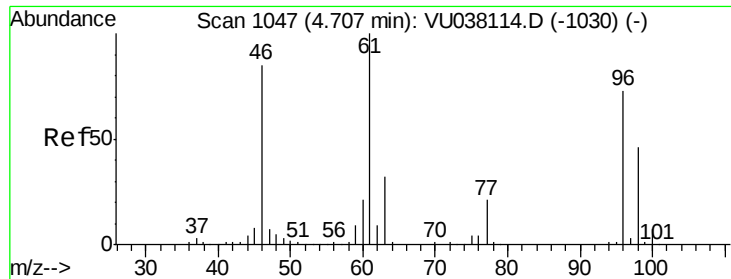
#21
 2-Butanone
 Concen: 53.333 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Tgt Ion: 43 Resp: 508264
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

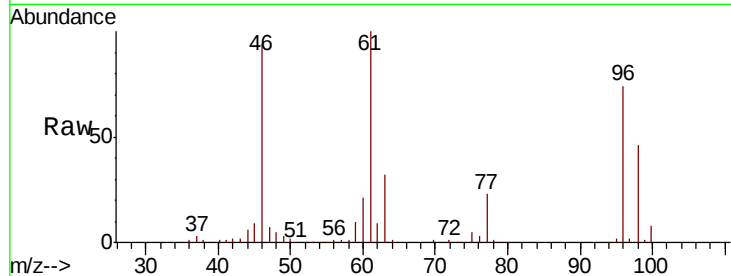




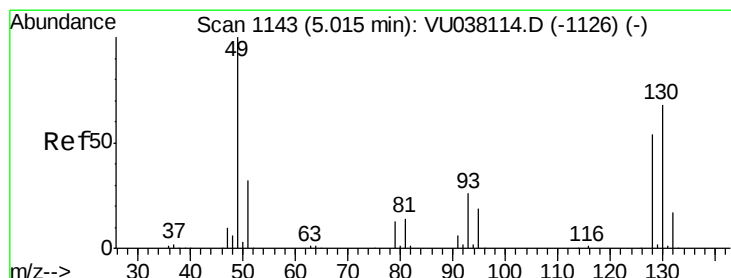
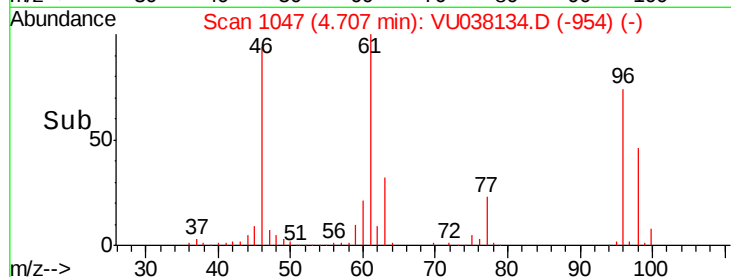
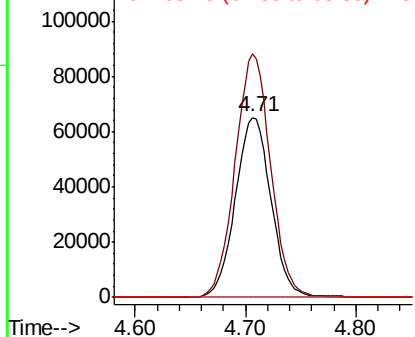
#22
 cis-1,2-Dichloroethene
 Concen: 4.675 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 145535
 Ion Ratio Lower Upper
 96 100
 61 135.1 95.3 176.9
 68 0.0 0.0 0.0

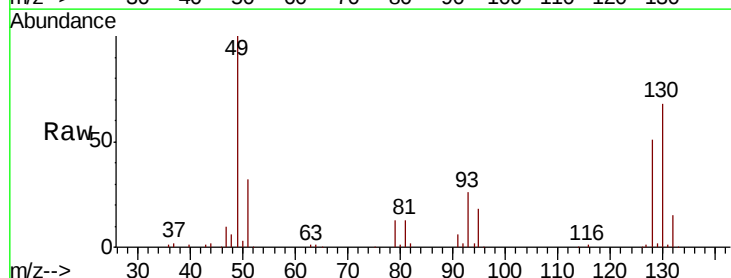


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

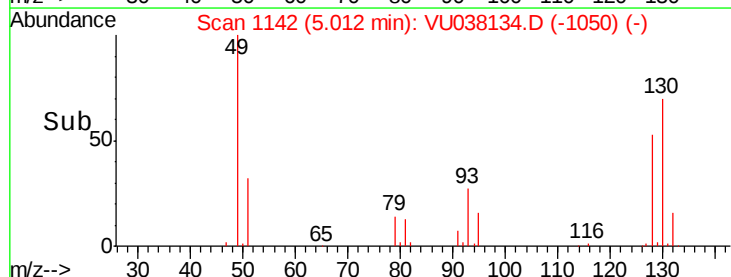
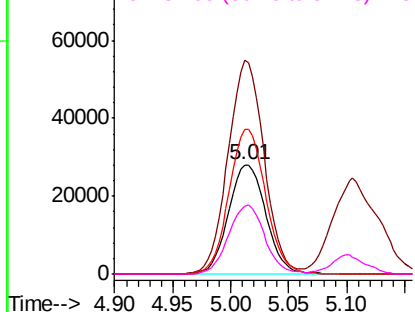


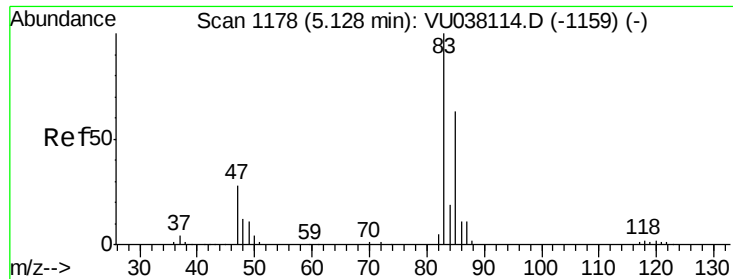
#23
 Bromochloromethane
 Concen: 4.680 ug/L
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Tgt Ion: 128 Resp: 62698
 Ion Ratio Lower Upper
 128 100
 49 195.3 135.6 251.8
 130 132.1 91.4 169.8
 51 62.4 49.6 74.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

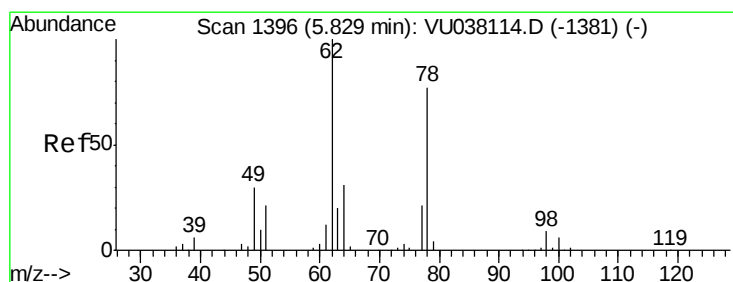
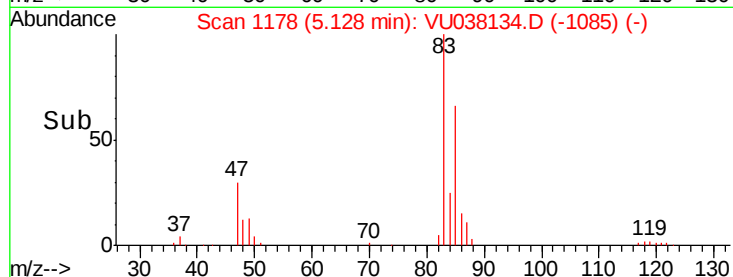
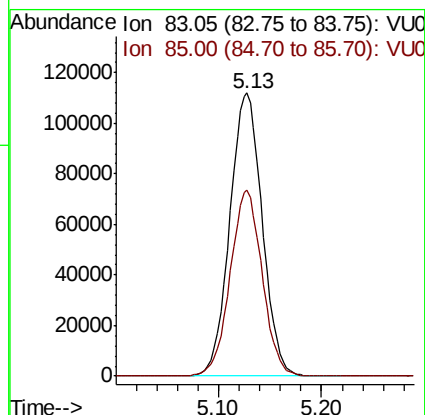
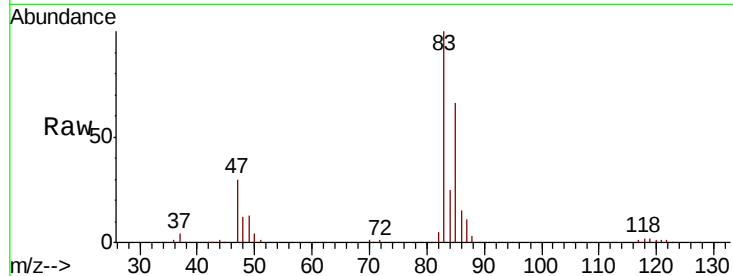




#25
Chloroform
Concen: 4.647 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038134.D
Acq: 13 May 2020 09:54

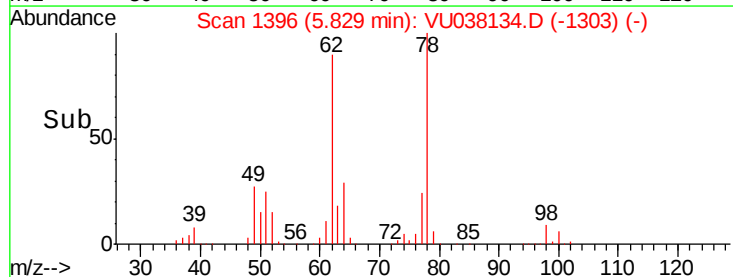
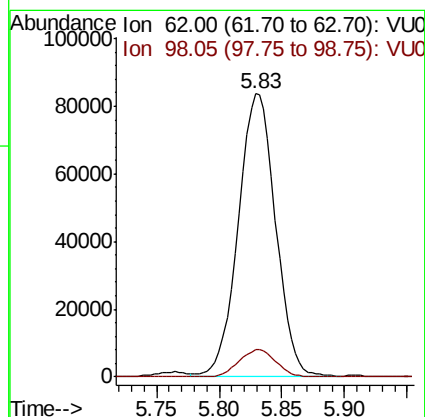
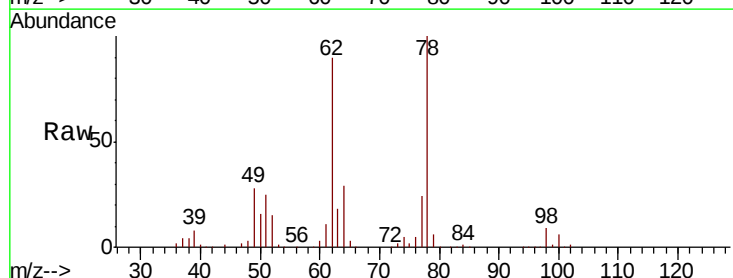
Instrument :
MSVOA_U
ClientSampled :

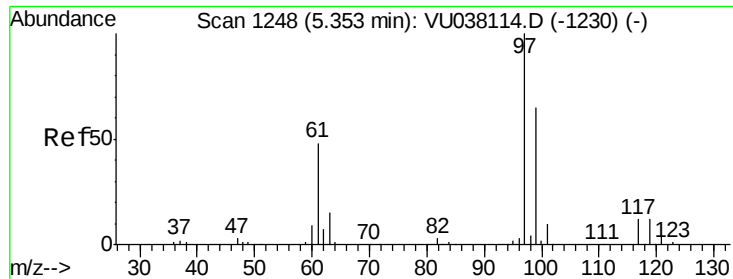
Tot Ion: 83 Resp: 244574
Ion Ratio Lower Upper
83 100
85 65.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.645 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038134.D
Acq: 13 May 2020 09:54

Tgt Ion: 62 Resp: 172584
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.8

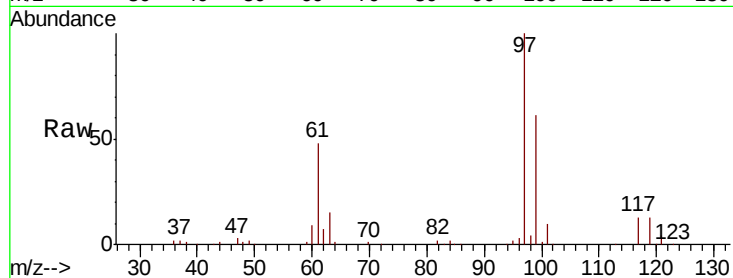




#29
 1,1,1-Trichloroethane
 Concen: 4.762 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.0	76.4
61	48.1	38.2	57.4

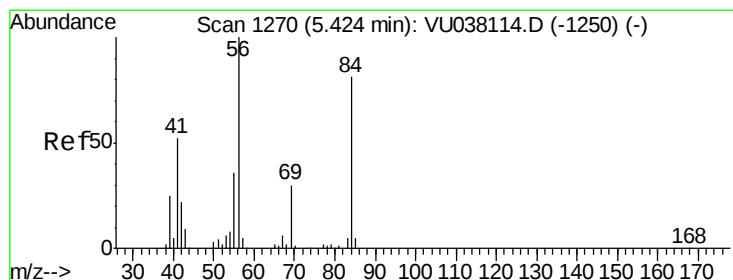
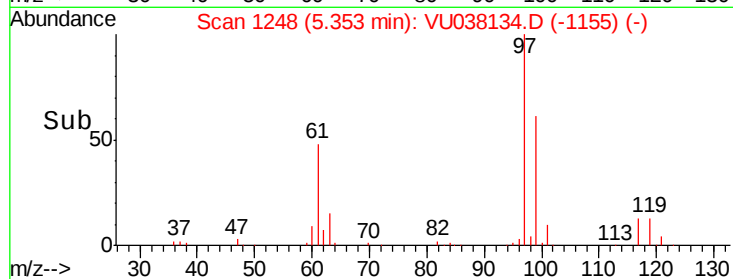
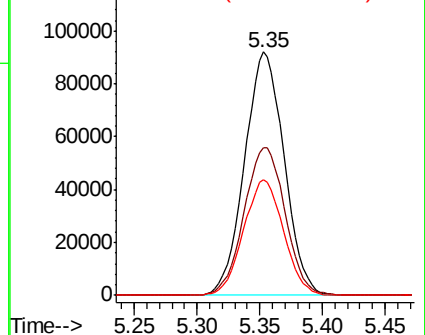


Abundance

Ion 96.95 (96.65 to 97.65): VU0

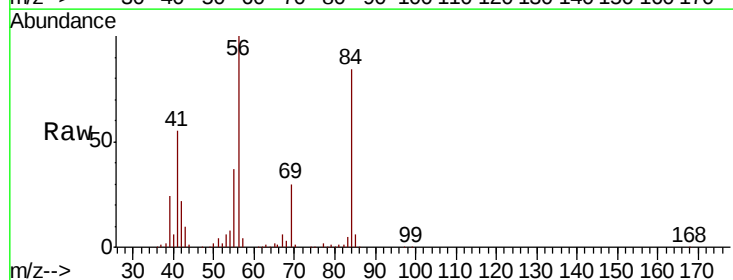
Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30
 Cyclohexane
 Concen: 4.807 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.2	36.4
84	84.5	68.5	102.7

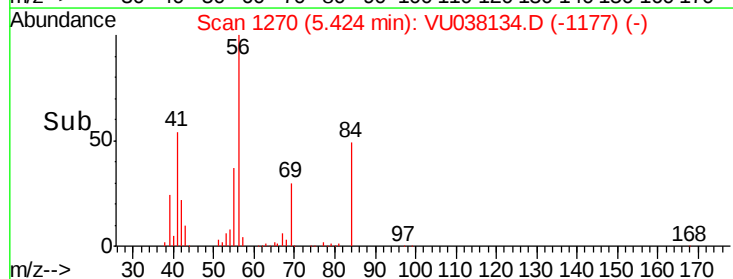
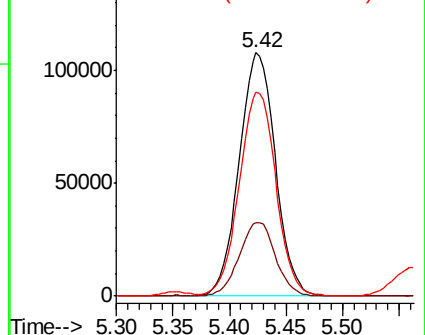


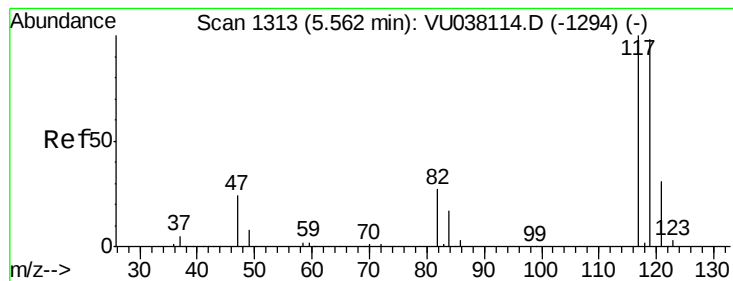
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.806 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

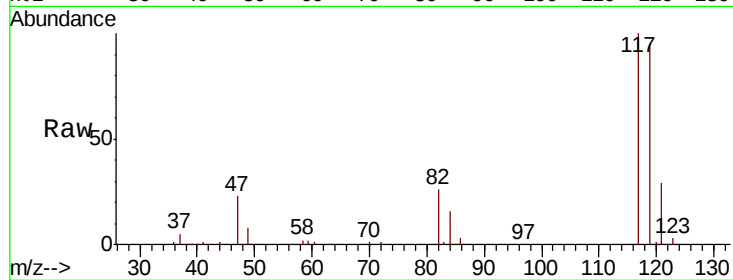
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 163899

Ion Ratio Lower Upper

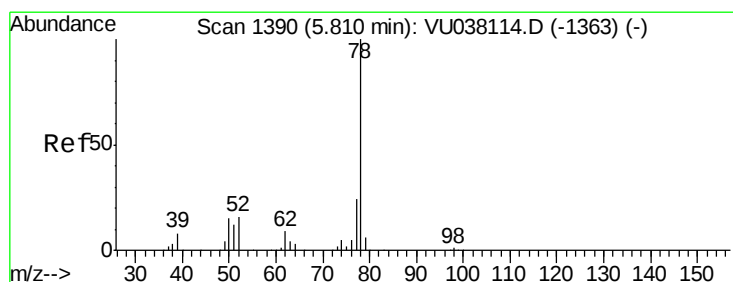
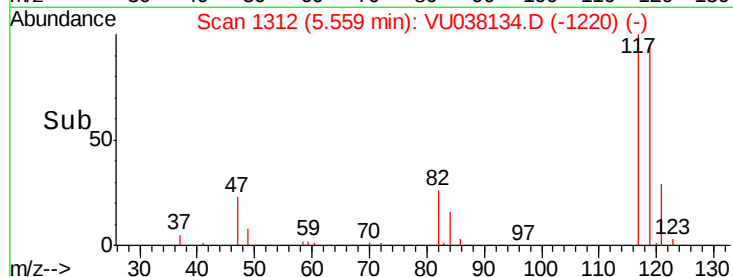
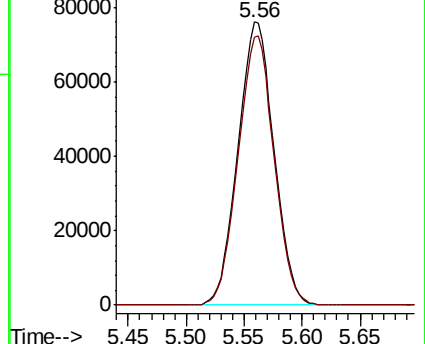
117 100

119 94.9 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.743 ug/L

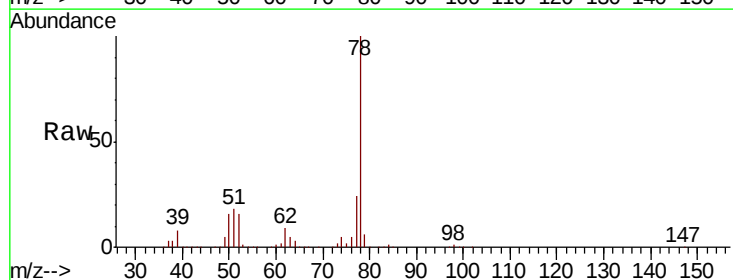
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

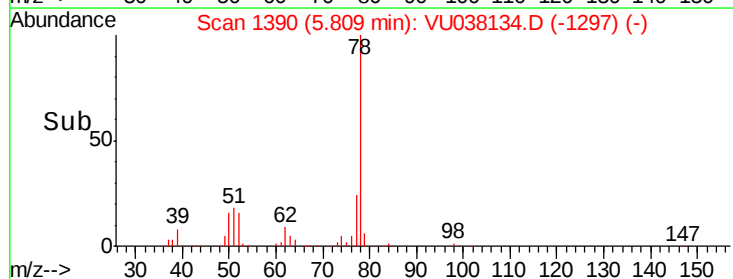
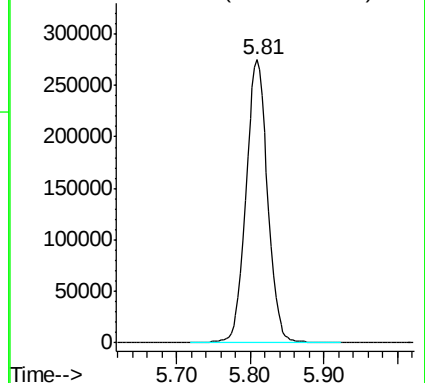
Lab File: VU038134.D

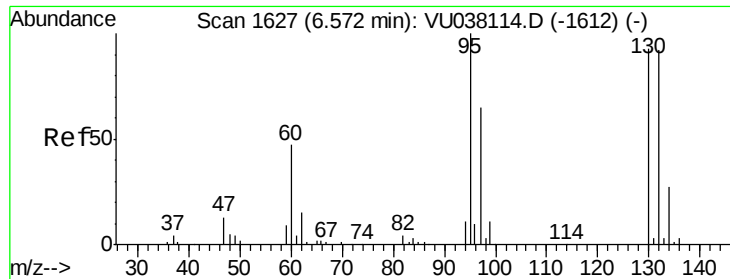
Acq: 13 May 2020 09:54

Tgt Ion: 78 Resp: 562597



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.646 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 137822

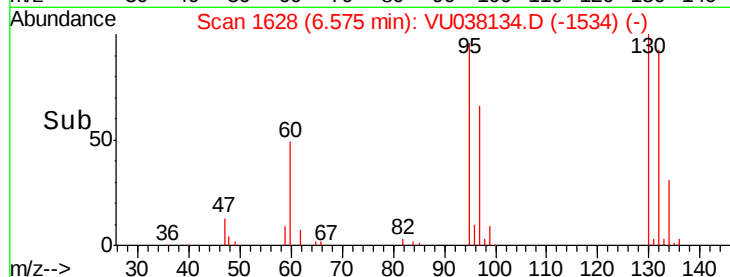
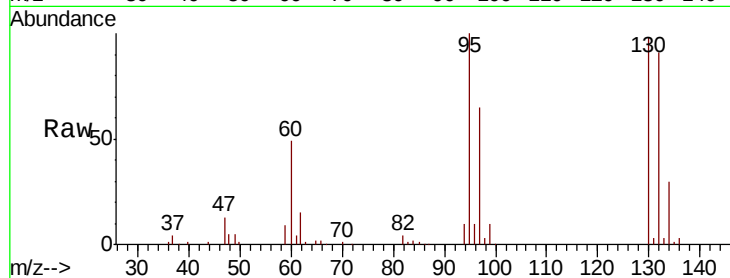
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.3

132 91.2 63.3 117.5

130 98.3 65.7 122.1



Abundance Ion 95.00 (94.70 to 95.70): VU038134.D (-1534) (-)

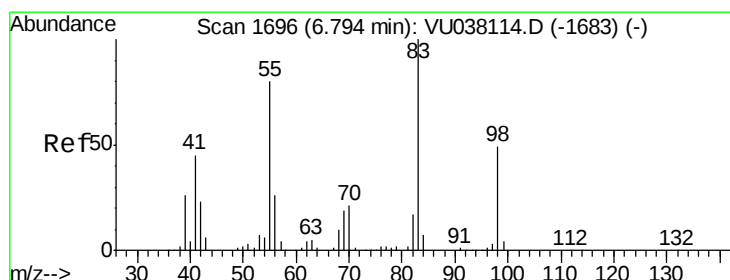
Ion 96.95 (96.65 to 97.65): VU038134.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038134.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038134.D (-1534) (-)

Time-->

6.57



#35

Methylcyclohexane

Concen: 5.026 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

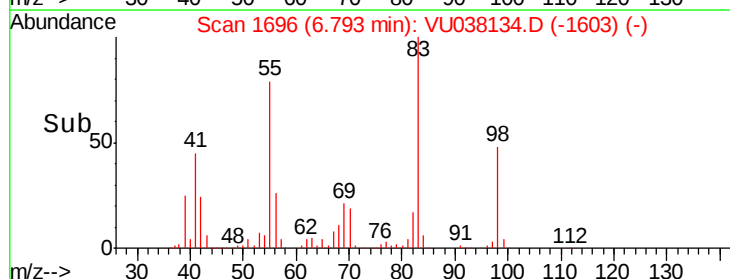
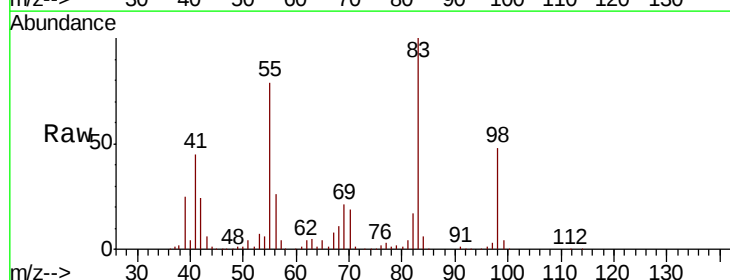
Tgt Ion: 83 Resp: 241492

Ion Ratio Lower Upper

83 100

55 76.6 66.7 100.1

98 47.0 39.4 59.2



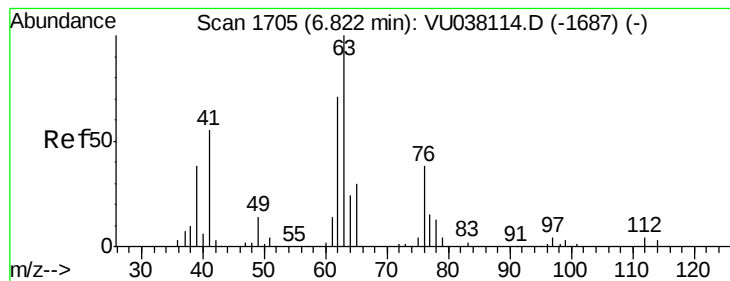
Abundance Ion 83.15 (82.85 to 83.85): VU038134.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU038134.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU038134.D (-1603) (-)

Time-->

6.79



#37

1,2-Dichloropropane

Concen: 4.577 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

Instrument :

MSVOA_U

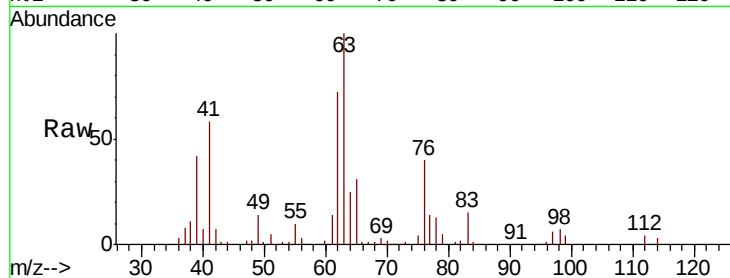
ClientSampled :

Tot Ion: 63 Resp: 147435

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038114.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038114.D (-1687) (-)

6.82

80000

60000

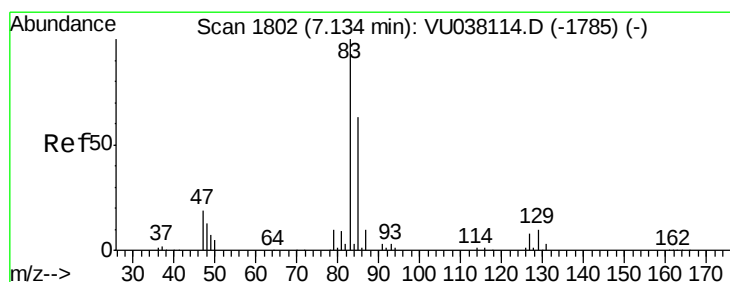
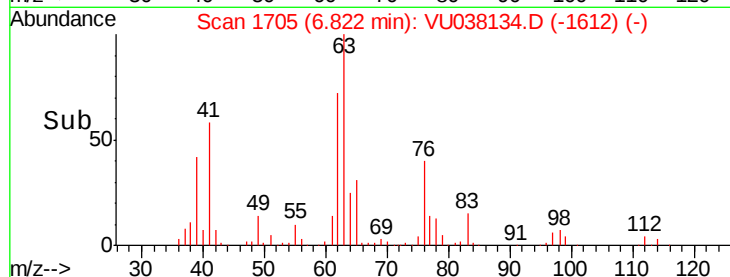
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.669 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

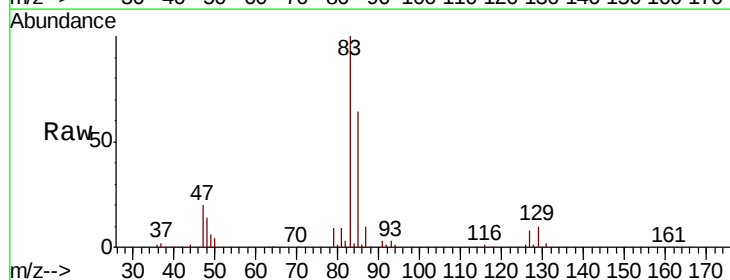
Tgt Ion: 83 Resp: 173897

Ion Ratio Lower Upper

83 100

85 63.6 44.6 82.8

127 8.4 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038114.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU038114.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038114.D (-1785) (-)

7.13

120000

100000

80000

60000

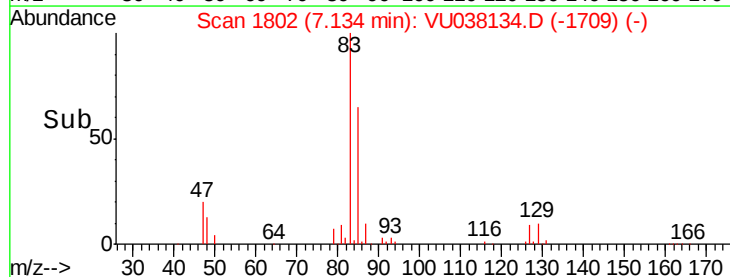
40000

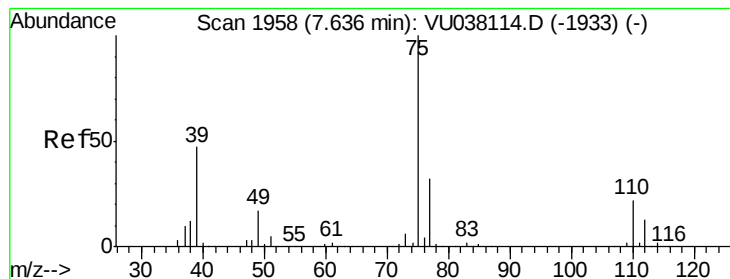
20000

0

7.05 7.10 7.15 7.20

Time-->



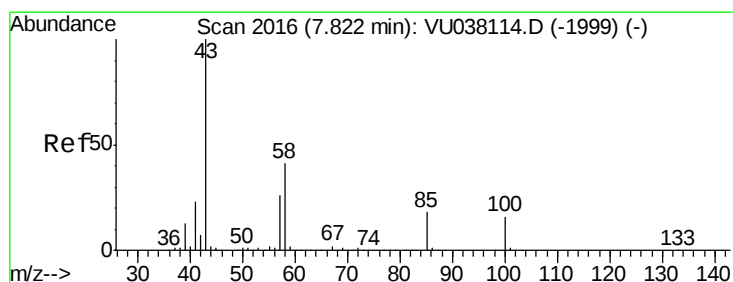
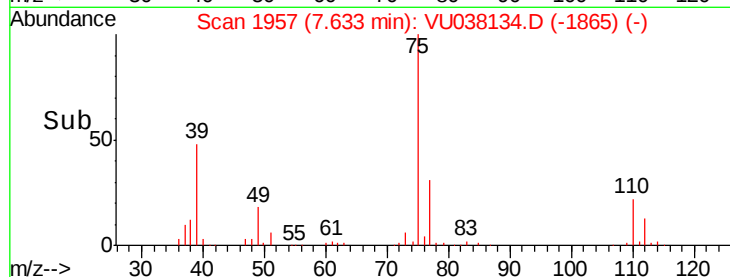
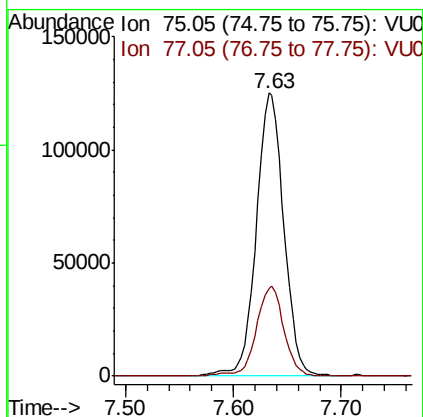
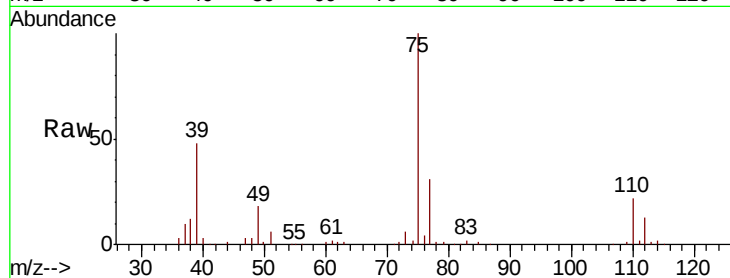


#39

cis-1,3-Dichloropropene
 Concen: 4.801 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Instrument :
 MSVOA_U
 ClientSampled :

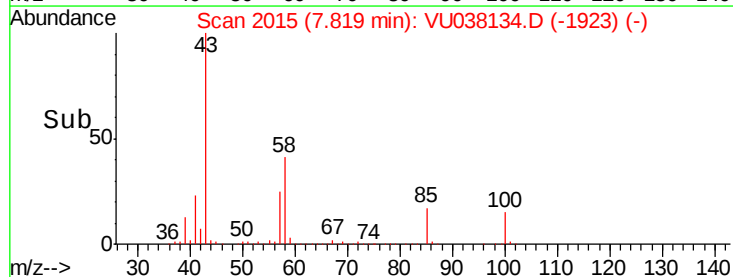
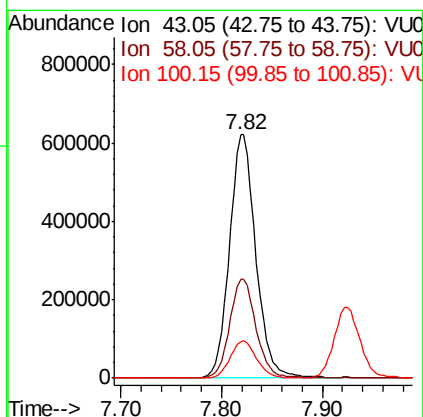
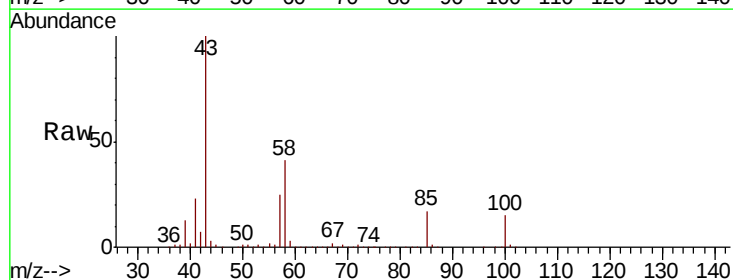
Tot Ion: 75 Resp: 221359
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.4 41.6

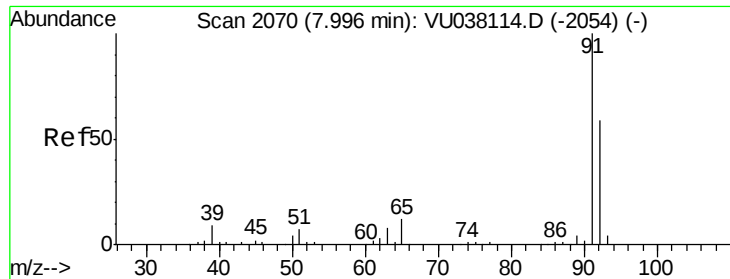


#40

4-Methyl-2-pentanone
 Concen: 50.679 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Tgt Ion: 43 Resp: 1131550
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4
 100 15.3 12.1 18.1





#42

Toluene

Concen: 4.701 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

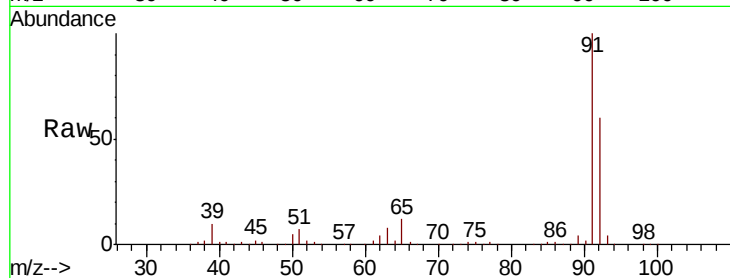
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 588576

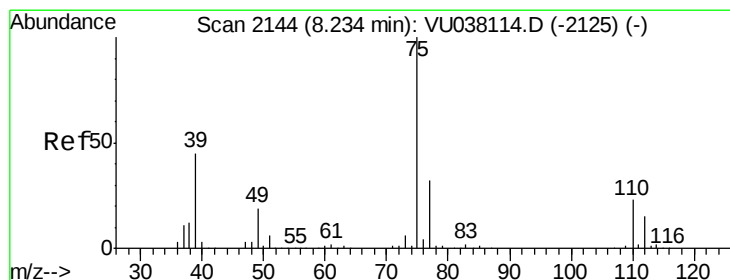
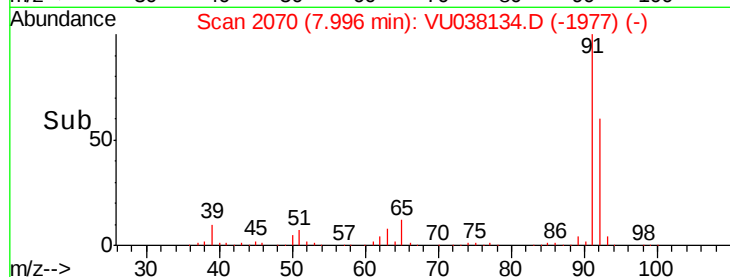
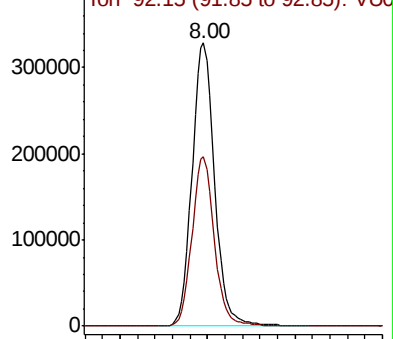
Ion Ratio Lower Upper

91 100

92 59.7 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038114.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.823 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038134.D

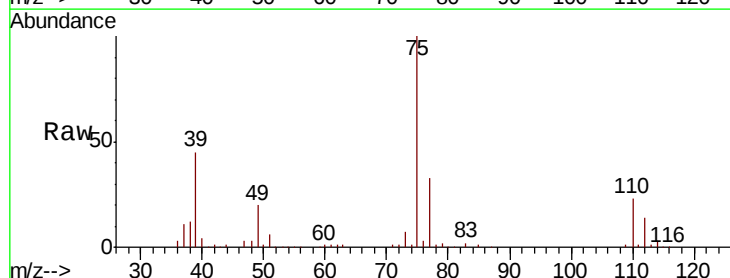
Acq: 13 May 2020 09:54

Tgt Ion: 75 Resp: 189101

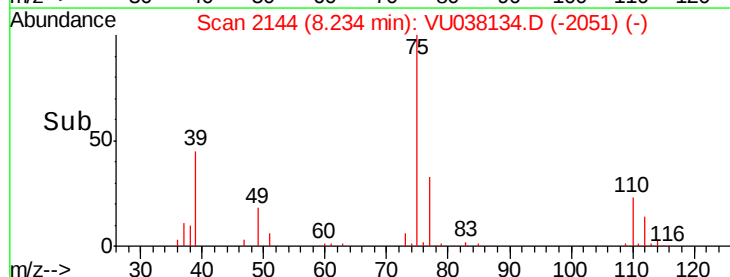
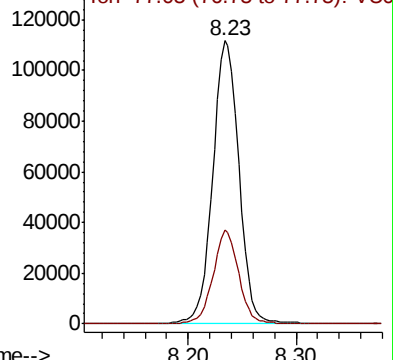
Ion Ratio Lower Upper

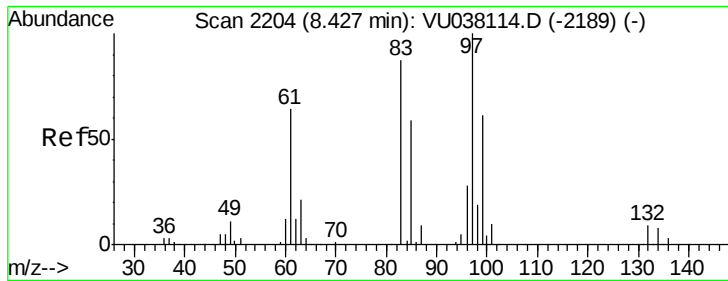
75 100

77 33.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038114.D (-2125) (-)

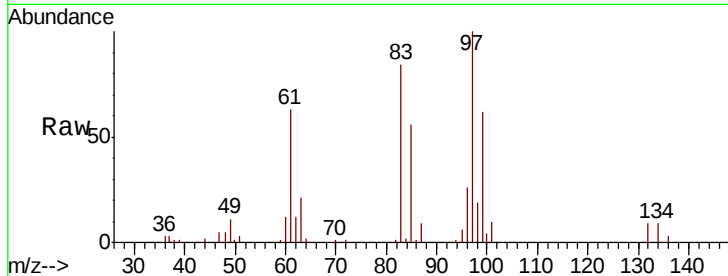




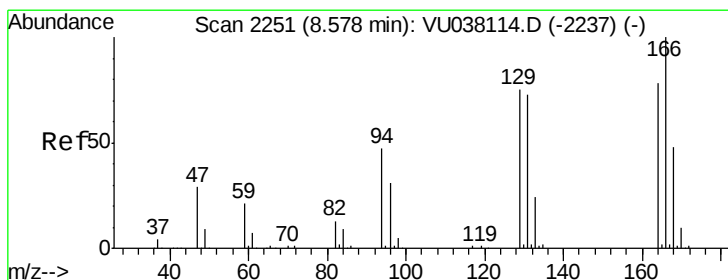
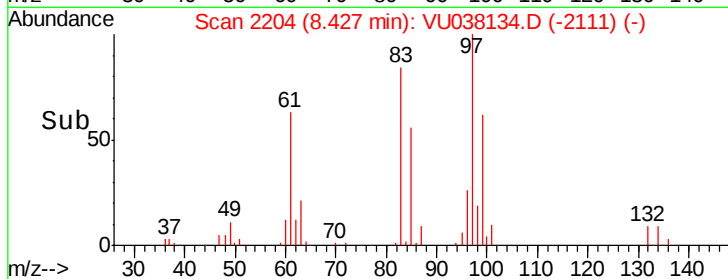
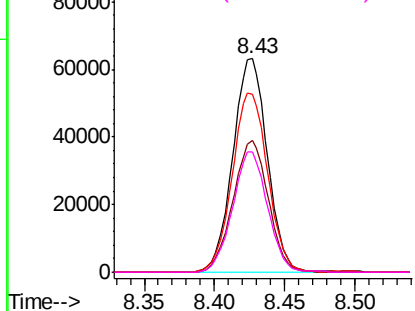
#45
 1,1,2-Trichloroethane
 Concen: 4.843 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	108338
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.0	81.6
83	83.6	59.6	110.8
85	56.3	41.3	76.7

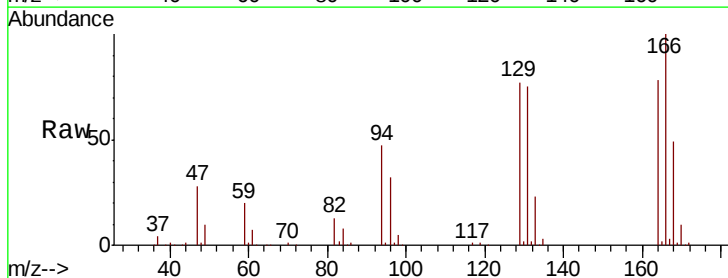


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

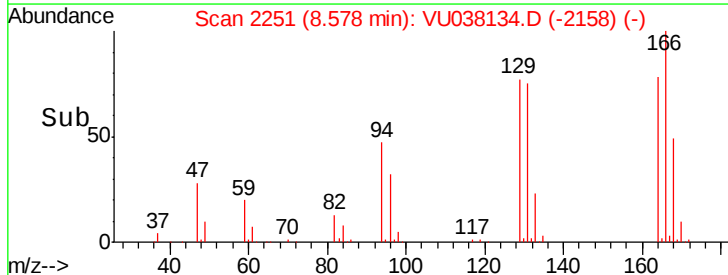
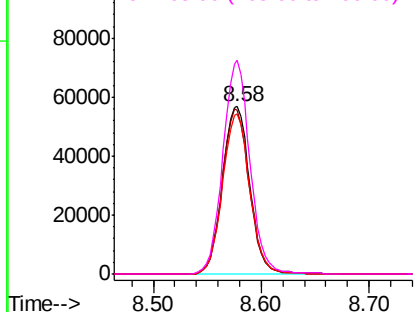


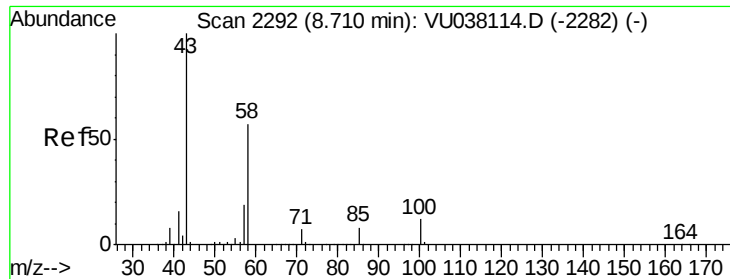
#47
 Tetrachloroethene
 Concen: 4.852 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Tgt Ion:	164	Resp:	100666
Ion	Ratio	Lower	Upper
164	100		
129	98.2	68.8	127.8
131	95.9	66.8	124.2
166	127.6	88.9	165.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

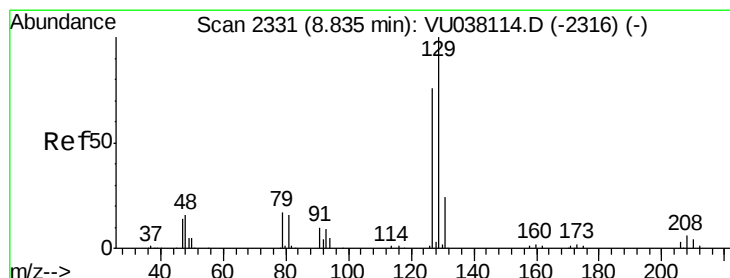
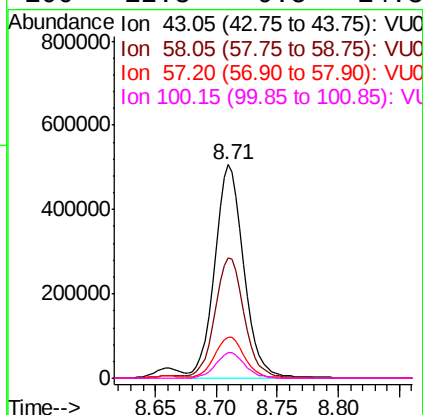
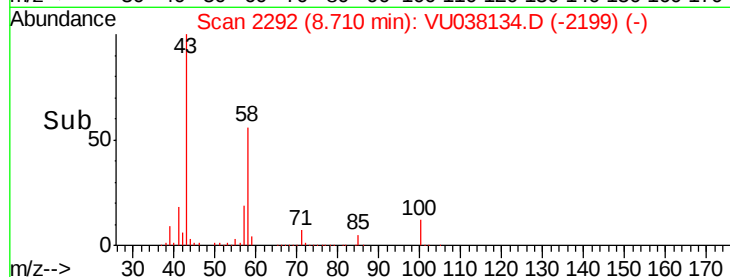
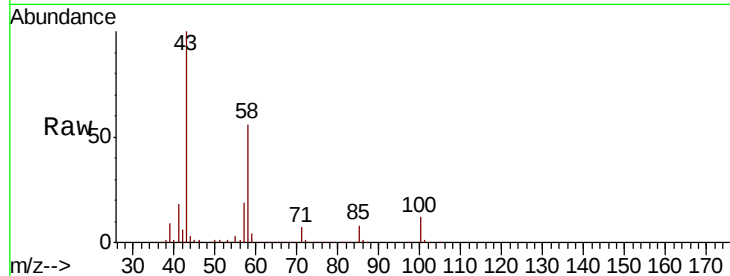




#48
2-Hexanone
Concen: 51.612 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038134.D
Acq: 13 May 2020 09:54

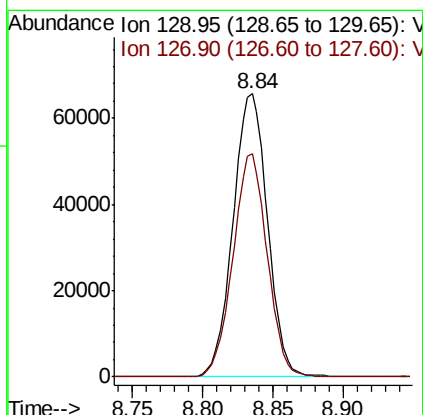
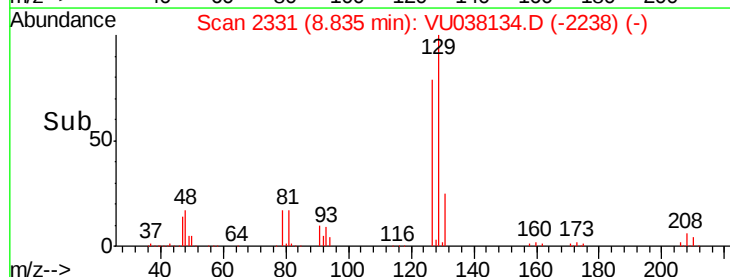
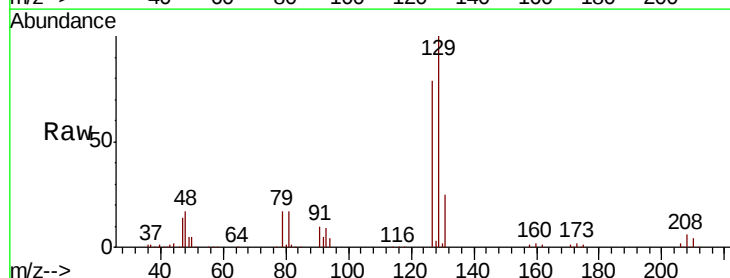
Instrument :
MSVOA_U
ClientSampleId :

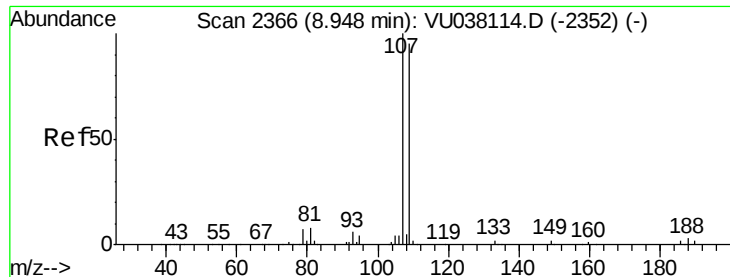
Tot Ion:	43	Resp:	843936
Ion	Ratio	Lower	Upper
43	100		
58	57.9	45.2	67.8
57	19.8	15.5	23.3
100	12.3	9.5	14.3



#49
Dibromochloromethane
Concen: 4.858 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU038134.D
Acq: 13 May 2020 09:54

Tgt Ion:	129	Resp:	112786
Ion	Ratio	Lower	Upper
129	100		
127	78.7	55.6	103.4

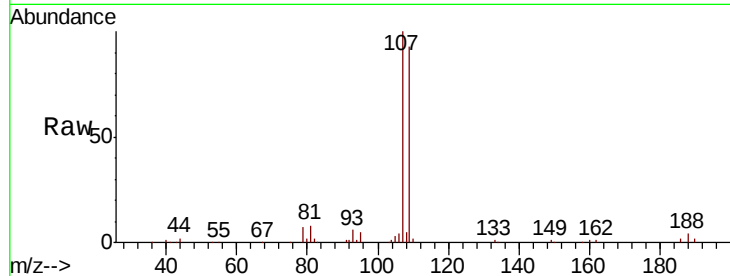




#50
 1,2-Dibromoethane
 Concen: 4.898 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.1	120.9
188	4.0	2.6	4.0#

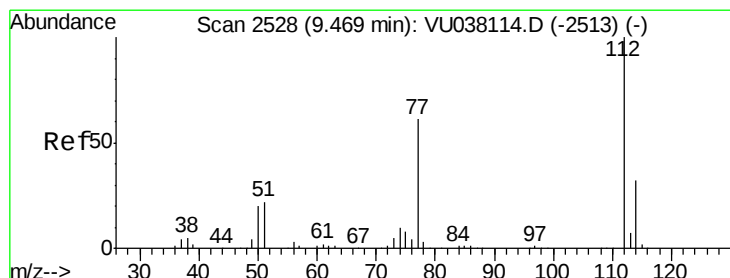
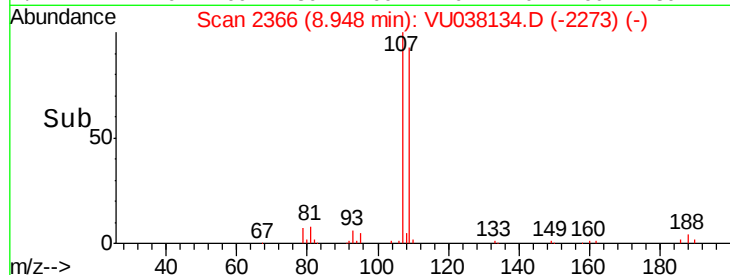
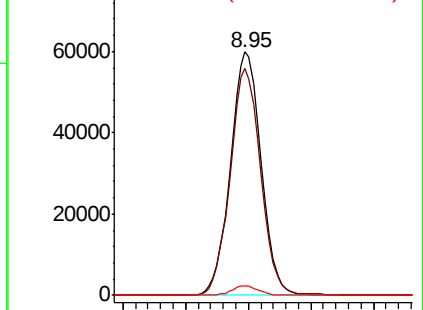


Abundance

Ion 106.95 (106.65 to 107.65): V

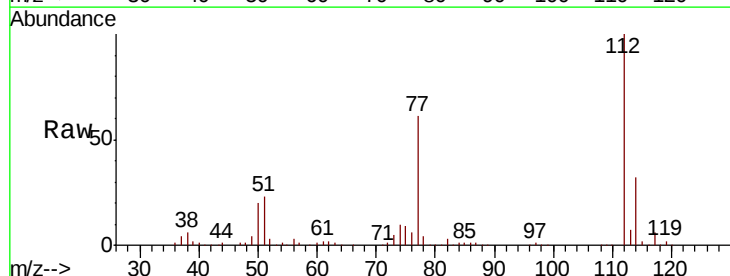
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.758 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	60.9	49.9	74.9

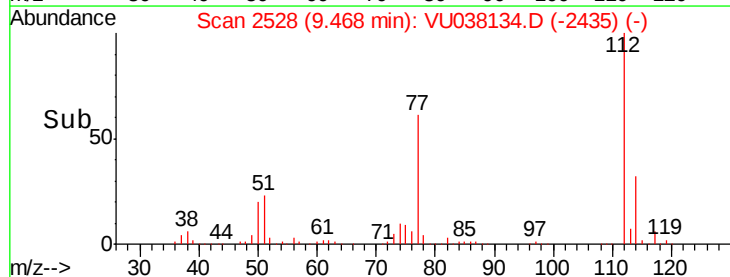
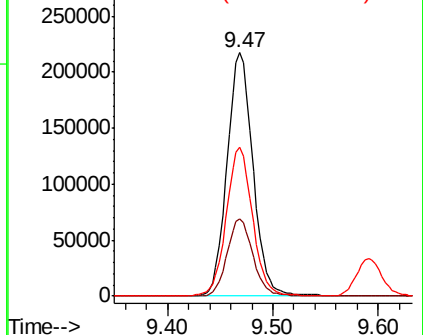


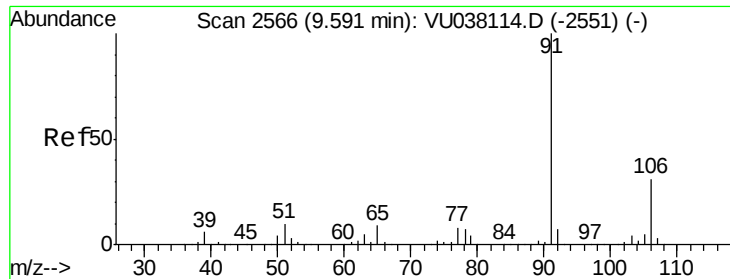
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.756 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

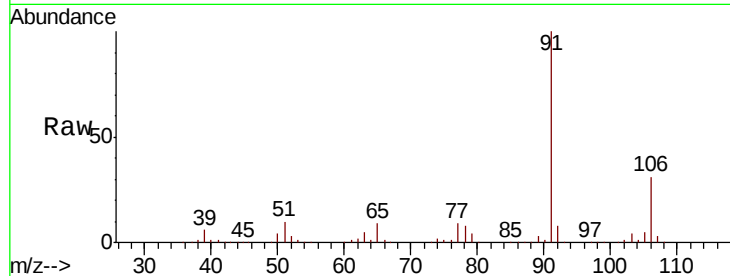
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 645035

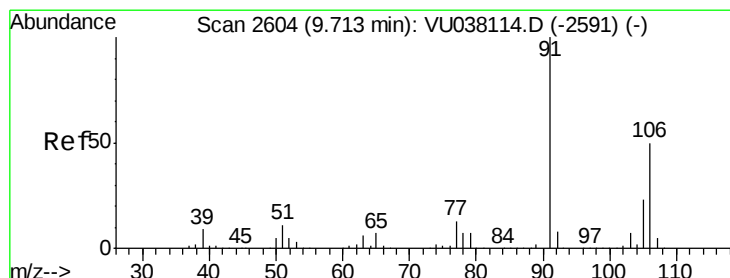
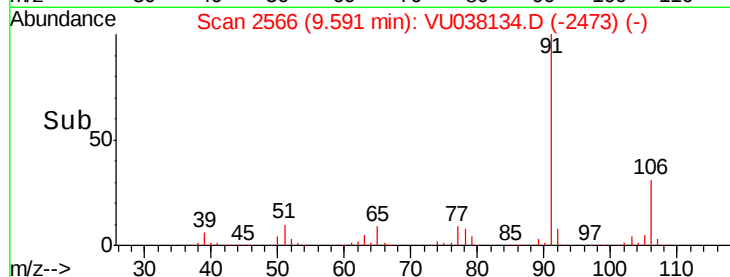
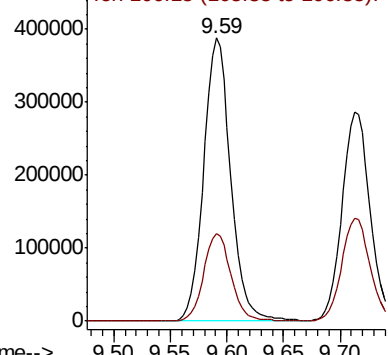
Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038114.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.798 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038134.D

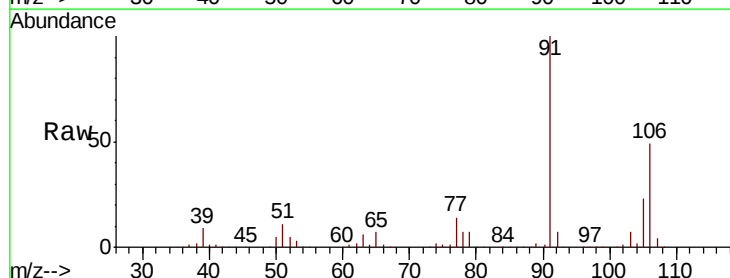
Acq: 13 May 2020 09:54

Tgt Ion: 106 Resp: 249524

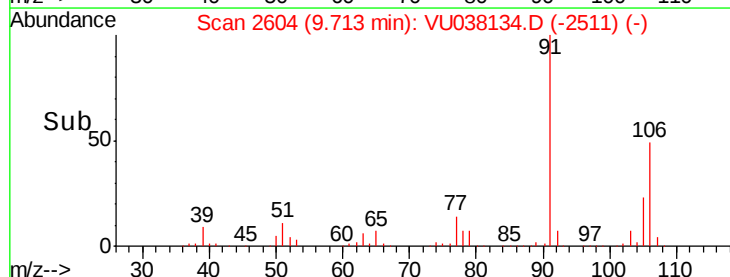
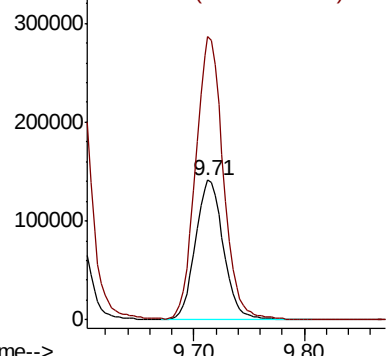
Ion Ratio Lower Upper

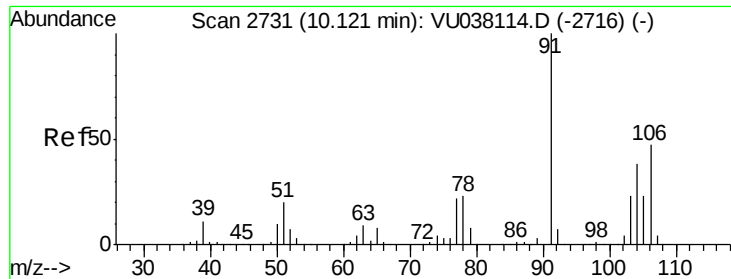
106 100

91 202.4 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038114.D (-2591) (-)

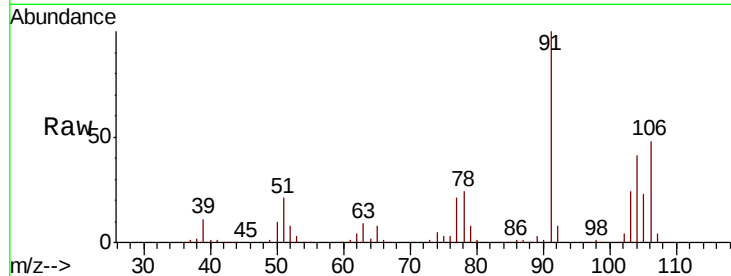




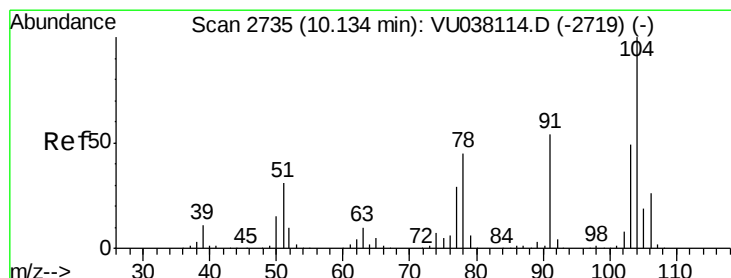
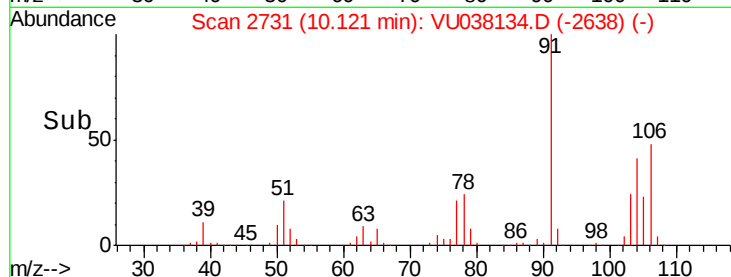
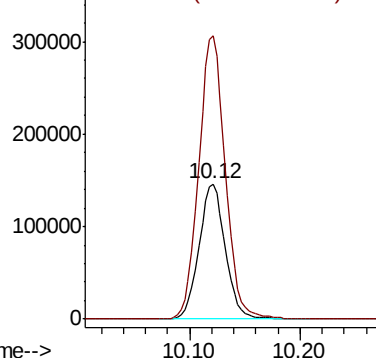
#54
o-Xylene
Concen: 4.787 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU038134.D
Acq: 13 May 2020 09:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 240710
Ion Ratio Lower Upper
106 100
91 209.8 148.5 275.9

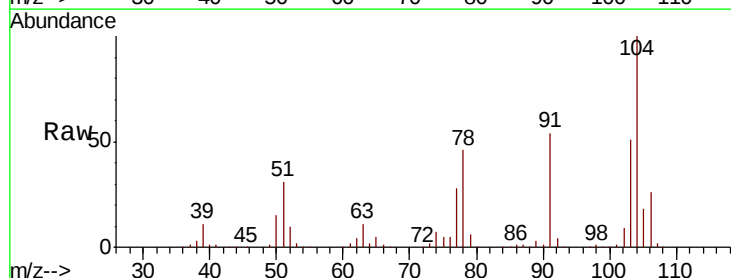


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

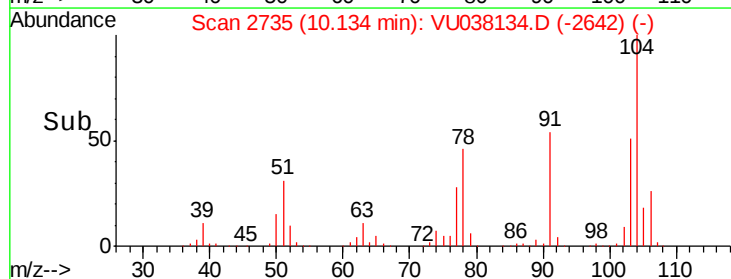
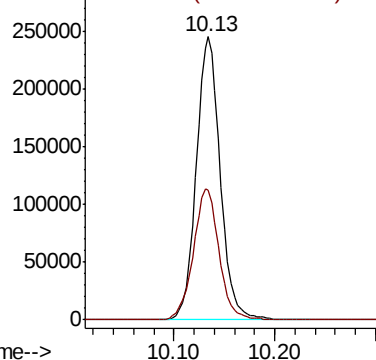


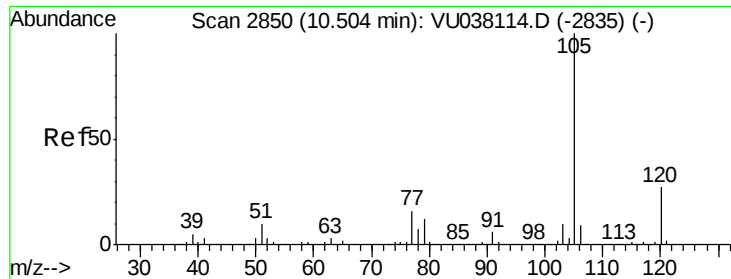
#55
Styrene
Concen: 4.815 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU038134.D
Acq: 13 May 2020 09:54

Tgt Ion:104 Resp: 406388
Ion Ratio Lower Upper
104 100
78 45.7 32.3 59.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.863 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

Instrument :

MSVOA_U

ClientSampled :

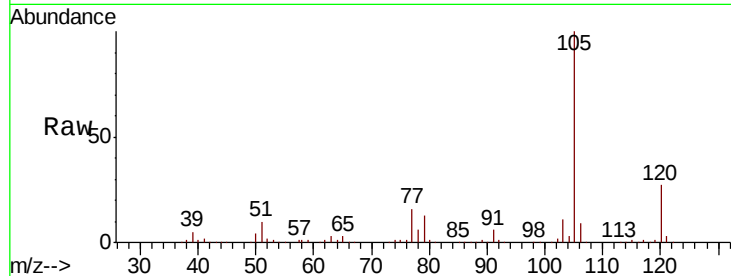
Tot Ion:105 Resp: 628054

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

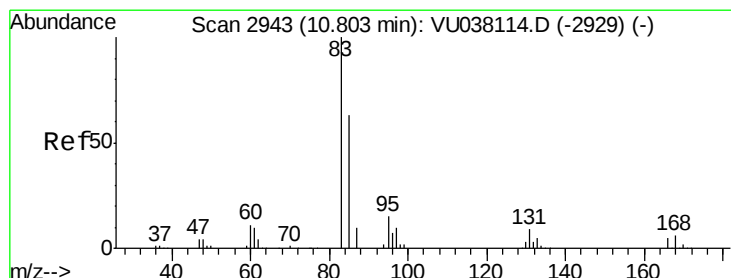
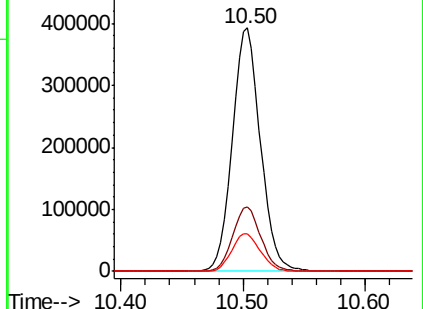
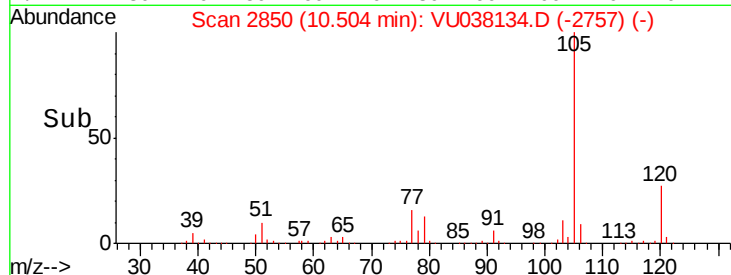
77 16.0 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.945 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

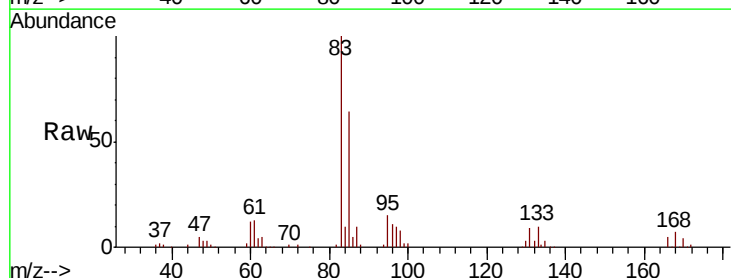
Tgt Ion: 83 Resp: 140467

Ion Ratio Lower Upper

83 100

85 63.9 47.0 87.2

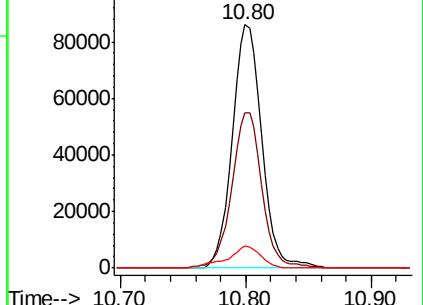
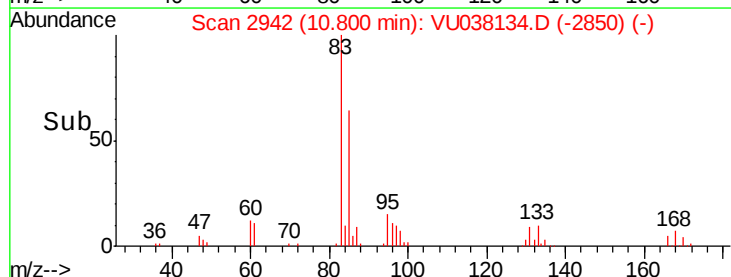
131 8.9 7.7 11.5

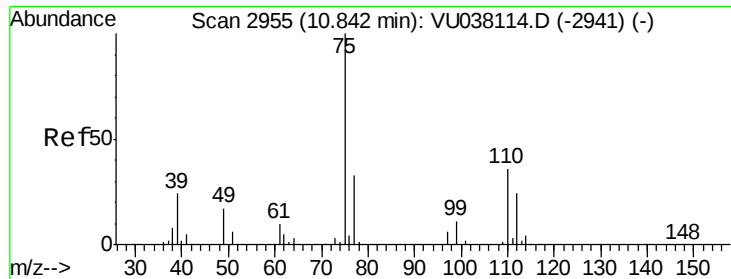


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.991 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

Instrument :

MSVOA_U

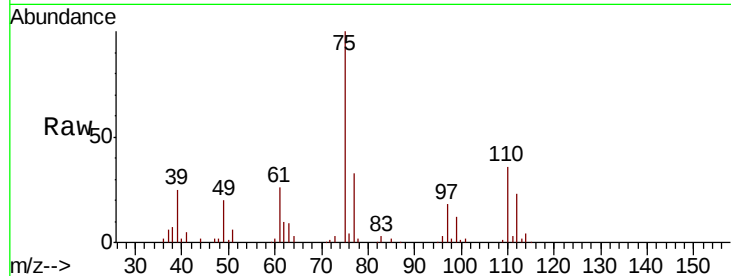
ClientSampleId :

Tot Ion: 75 Resp: 107917

Ion Ratio Lower Upper

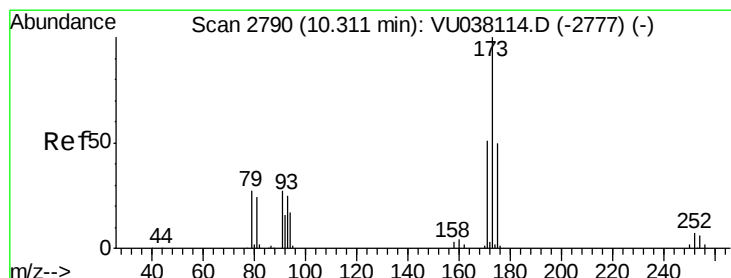
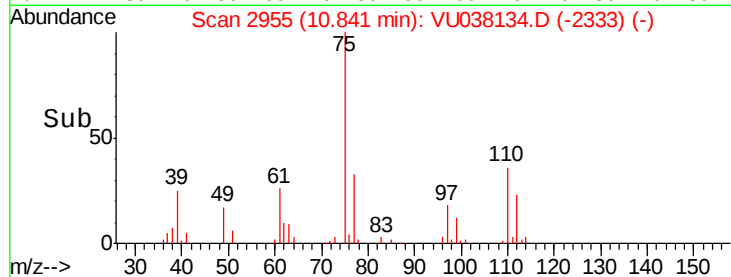
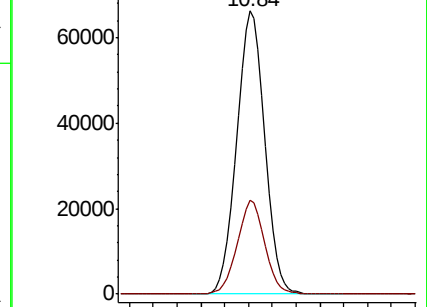
75 100

77 32.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038114.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038114.D (-2941) (-)



#61

Bromoform

Concen: 4.941 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

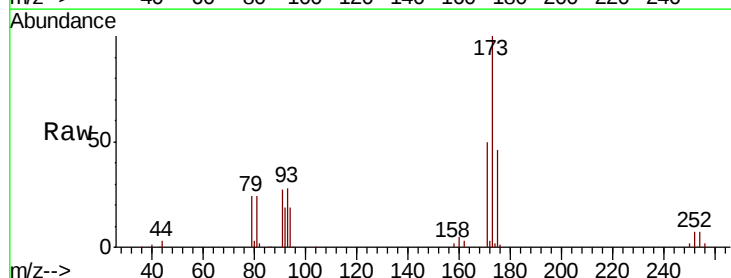
Tgt Ion: 173 Resp: 61113

Ion Ratio Lower Upper

173 100

175 46.7 39.5 59.3

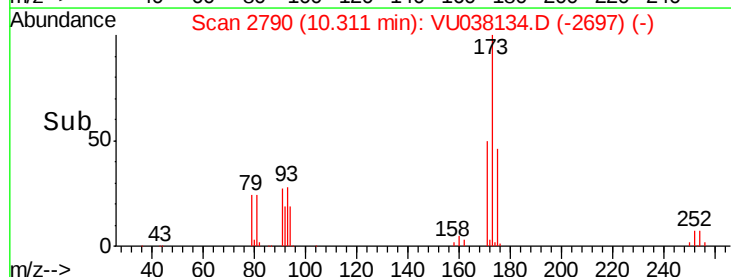
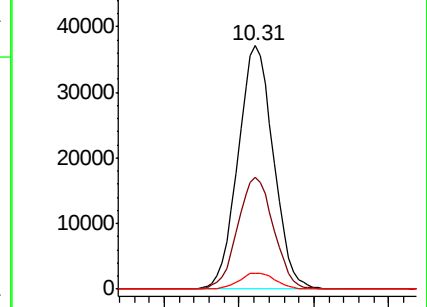
254 6.8 5.0 7.4

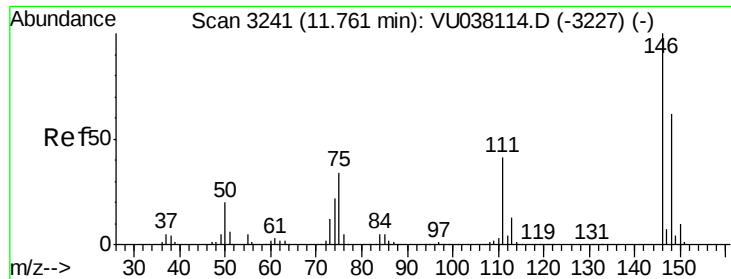


Abundance Ion 172.90 (172.60 to 173.60): VU038114.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038114.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038114.D (-2777) (-)

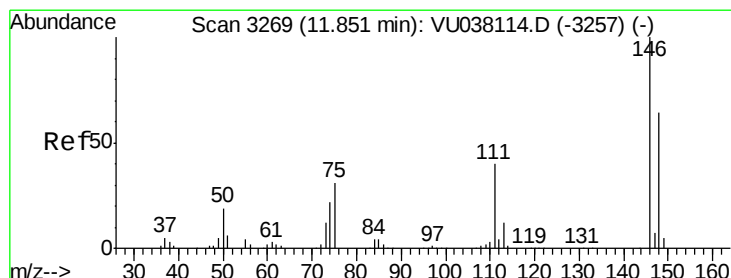
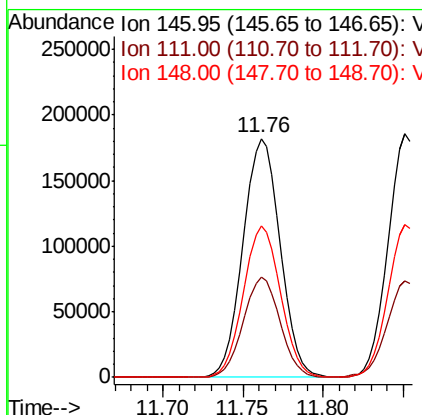
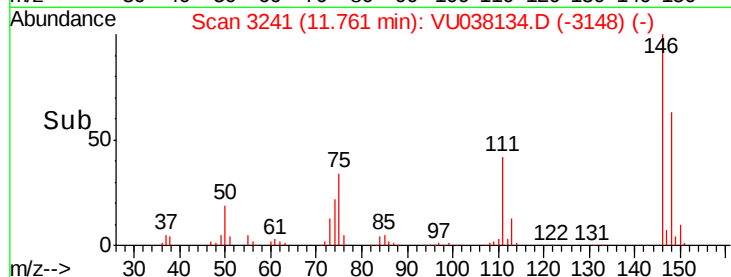
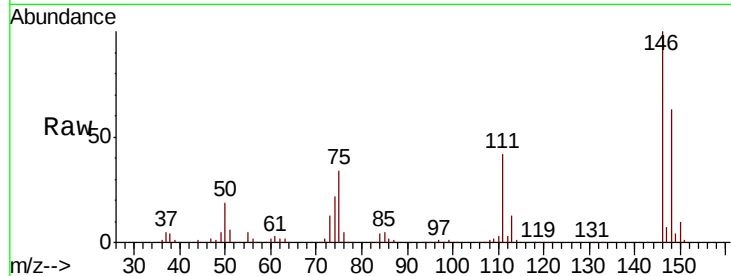




#62
 1,3-Dichlorobenzene
 Concen: 4.832 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

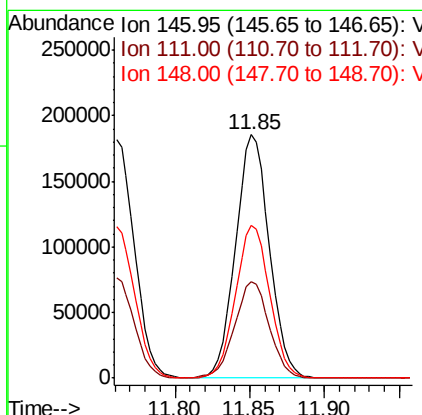
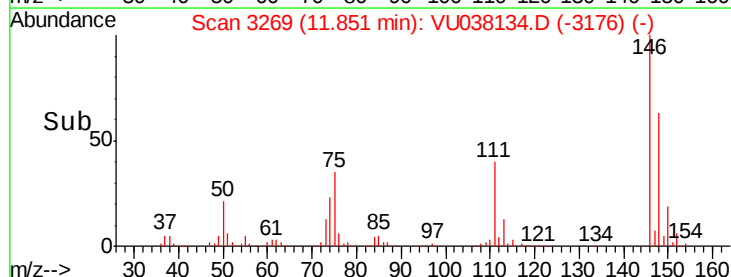
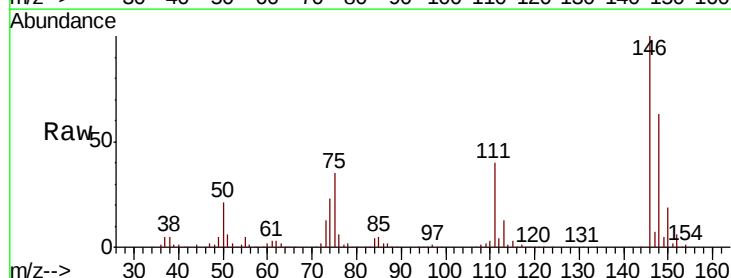
Instrument :
 MSVOA_U
 ClientSampleId :

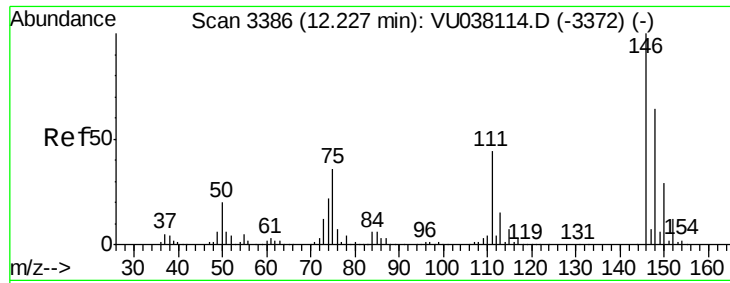
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.6	53.2
148	63.4	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.832 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.2	50.6
148	62.7	43.8	81.3





#65

1,2-Dichlorobenzene

Concen: 4.808 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

Instrument :

MSVOA_U

ClientSampled :

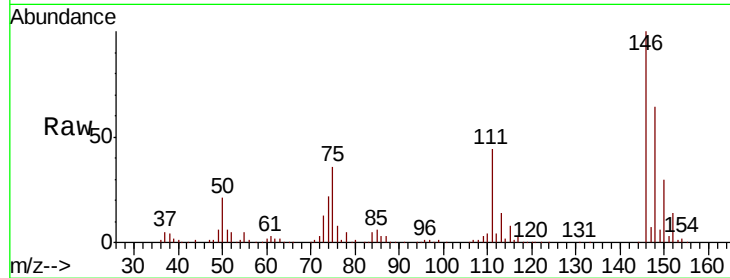
Tot Ion:146 Resp: 275363

Ion Ratio Lower Upper

146 100

111 43.7 35.3 52.9

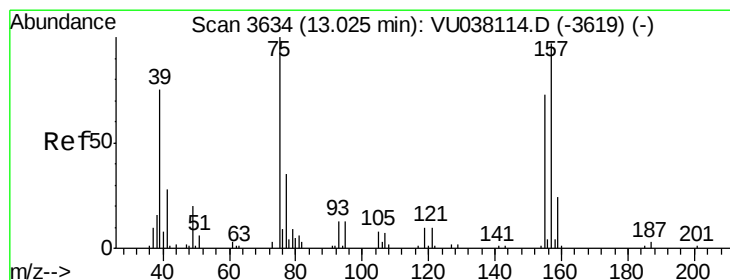
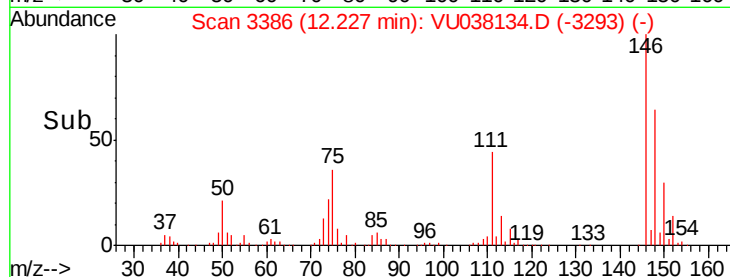
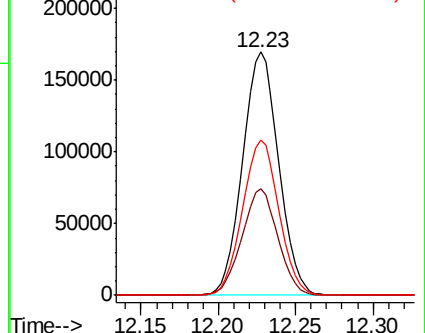
148 63.8 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.976 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

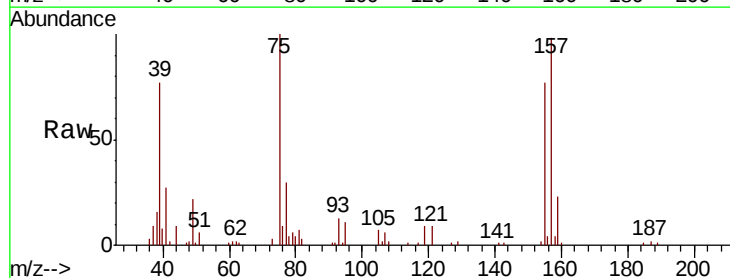
Tgt Ion: 75 Resp: 23295

Ion Ratio Lower Upper

75 100

155 76.7 58.2 87.2

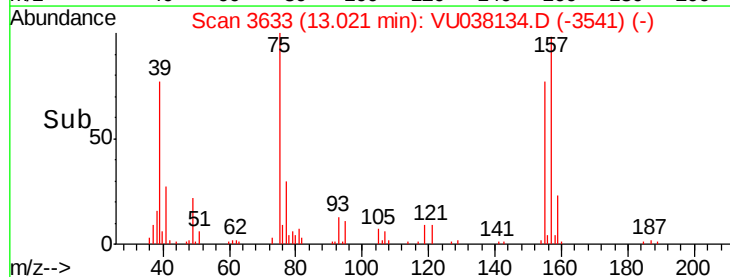
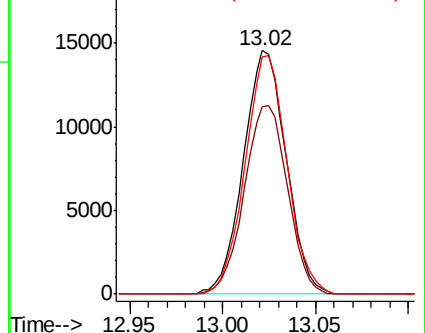
157 97.7 72.9 109.3

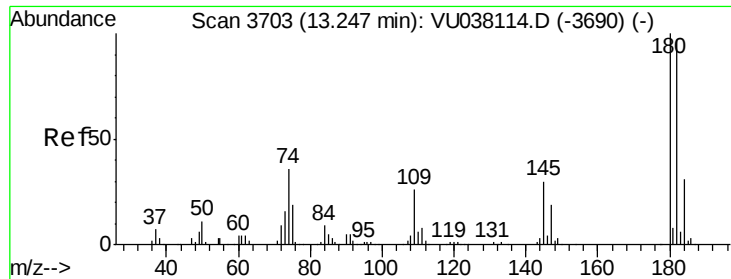


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

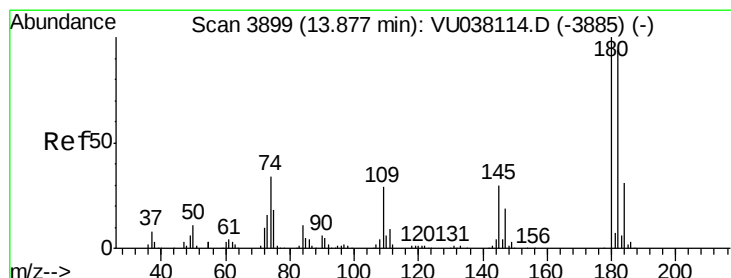
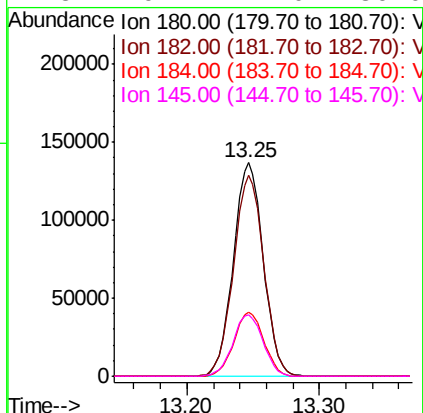
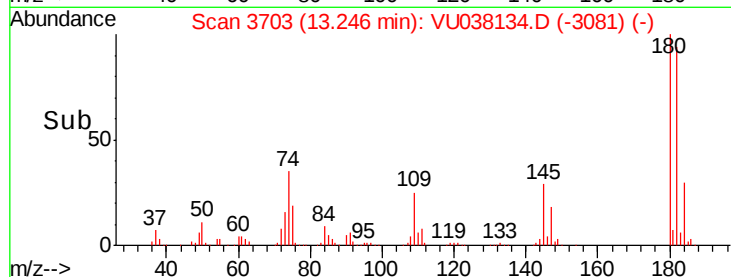
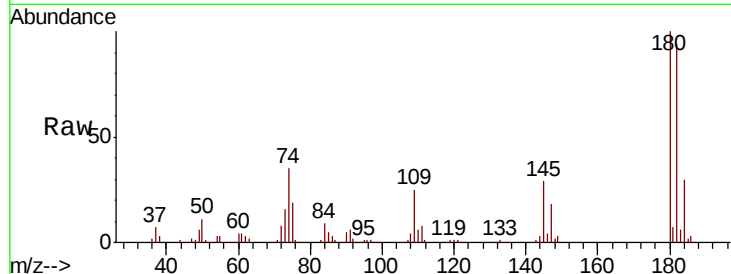




#67
 1,3,5-Trichlorobenzene
 Concen: 4.954 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

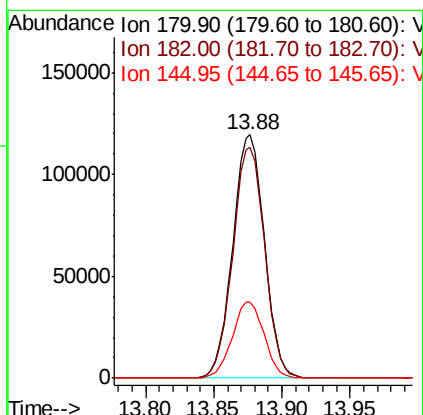
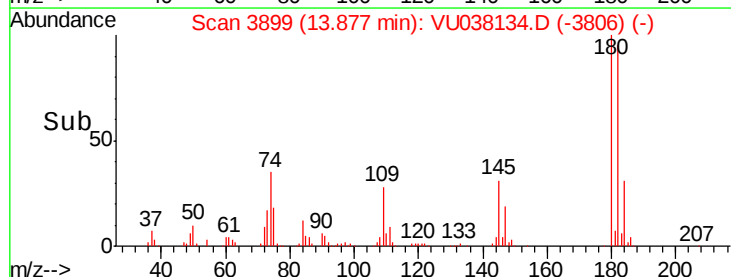
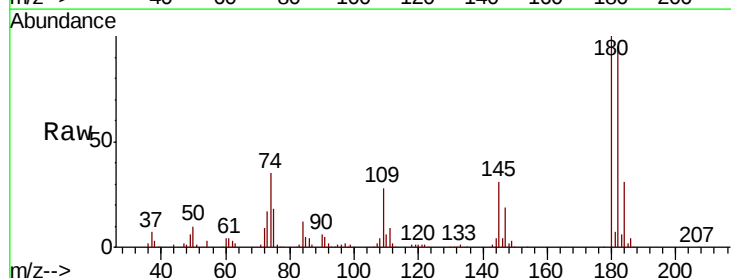
Instrument :
 MSVOA_U
 ClientSampleId :

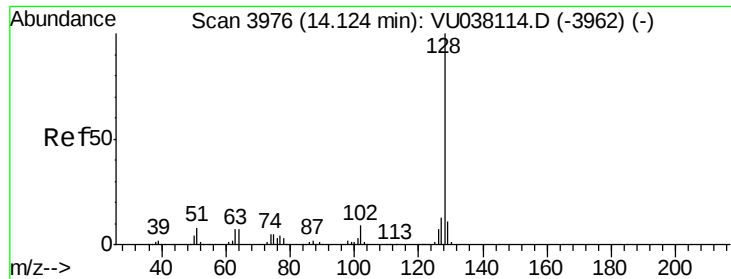
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.2
184	30.0	24.2	36.2
145	29.1	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.923 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. -0.00 min
 Lab File: VU038134.D
 Acq: 13 May 2020 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.0	112.6
145	31.2	24.8	37.2





#69

Naphthalene

Concen: 4.904 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

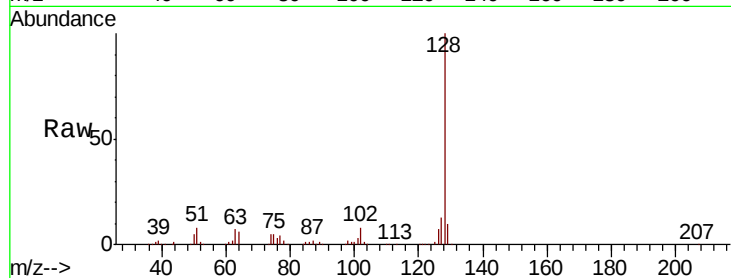
Tot Ion:128 Resp: 404507

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

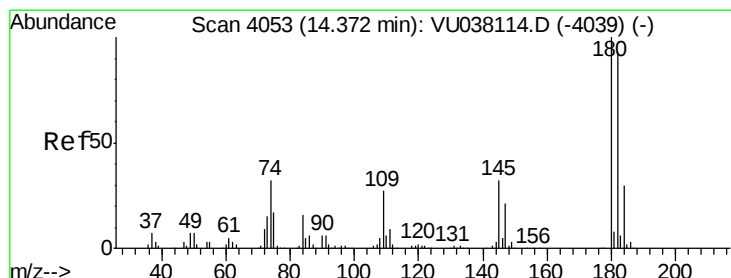
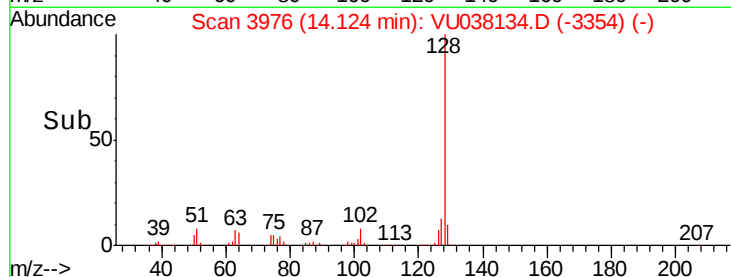
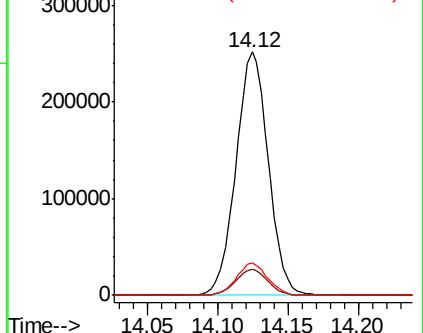
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.880 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VU038134.D

Acq: 13 May 2020 09:54

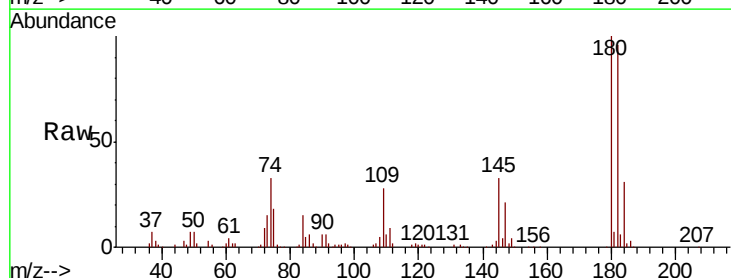
Tgt Ion:180 Resp: 177706

Ion Ratio Lower Upper

180 100

182 95.1 76.3 114.5

145 33.6 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

