

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040120\
 Data File : VU037544.D
 Acq On : 02 Apr 2020 00:57
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 02 01:41:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 02 01:37:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	84213	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	80022	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	40555	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32098	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.93	69	26020	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.59	63	58821	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.66	46	88327	46.14	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.28%
24) Chloroform-d	5.10	84	57302	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.74	65	30439	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.76	84	115497	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.72	67	38226	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.93	98	107806	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.20	79	16853	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.65	63	84958	48.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	31799	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	39072	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	31548	4.846 ug/L	99
3) Chloromethane	1.54	50	36757	5.451 ug/L	96
5) Vinyl chloride	1.62	62	35522	5.209 ug/L	98
6) Bromomethane	1.87	94	15401	4.722 ug/L	95
8) Chloroethane	1.95	64	20493	4.919 ug/L	99
9) Trichlorofluoromethane	2.16	101	50750	5.052 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	28435	4.933 ug/L	98
12) 1,1-Dichloroethene	2.61	96	27728	4.979 ug/L	91
13) Acetone	2.65	43	47373	43.902 ug/L	100
14) Carbon disulfide	2.82	76	88070	4.814 ug/L #	96
15) Methyl Acetate	2.98	43	13887	4.343 ug/L	99
16) Methylene chloride	3.08	84	30939	4.734 ug/L	93
17) Methyl tert-butyl Ether	3.40	73	78039	4.986 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	29247	4.832 ug/L	96
19) 1,1-Dichloroethane	3.91	63	56602	4.984 ug/L	98
21) 2-Butanone	4.75	43	87990	46.353 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	33533	5.081 ug/L	93

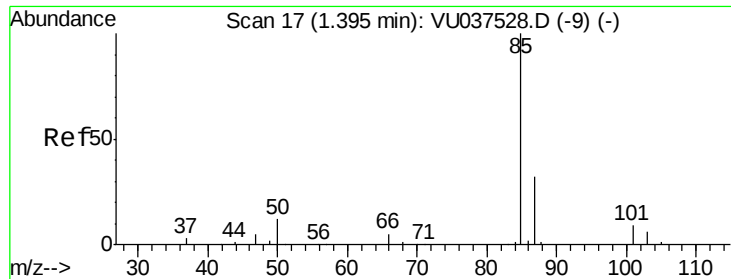
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	14231	4.948	ug/L	95
25) Chloroform	5.13	83	58386	4.991	ug/L	97
27) 1,2-Dichloroethane	5.83	62	36565	4.872	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	50724	4.925	ug/L	99
30) Cyclohexane	5.42	56	52746	4.716	ug/L	99
31) Carbon tetrachloride	5.56	117	42101	5.027	ug/L	100
33) Benzene	5.81	78	125030	4.922	ug/L	100
34) Trichloroethene	6.57	95	32713	4.880	ug/L	93
35) Methylcyclohexane	6.79	83	51859	4.622	ug/L	99
37) 1,2-Dichloropropane	6.82	63	33694	4.915	ug/L	99
38) Bromodichloromethane	7.13	83	42997	4.915	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	50366	4.801	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	229896	48.145	ug/L	99
42) Toluene	8.00	91	134087	4.966	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	44045	4.787	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	23283	4.856	ug/L	98
47) Tetrachloroethene	8.58	164	22470	5.125	ug/L	96
48) 2-Hexanone	8.71	43	163845	47.374	ug/L	97
49) Dibromochloromethane	8.83	129	29069	5.090	ug/L	95
50) 1,2-Dibromoethane	8.95	107	22831	4.895	ug/L	99
51) Chlorobenzene	9.47	112	83619	5.018	ug/L	100
52) Ethylbenzene	9.59	91	153246	4.982	ug/L	99
53) m,p-Xylene	9.71	106	56009	4.844	ug/L	99
54) o-Xylene	10.12	106	53900	4.840	ug/L	98
55) Styrene	10.13	104	97753	5.082	ug/L	97
56) Isopropylbenzene	10.50	105	150092	4.949	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	31495	4.883	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	22234	4.946	ug/L	98
61) Bromoform	10.31	173	16693	5.002	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	66464	4.957	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	66407	4.872	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	63244	4.930	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	5836	4.735	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	47462	4.905	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	44074	4.896	ug/L	98
69) Naphthalene	14.11	128	142157	7.097	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	39972	5.005	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.846 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

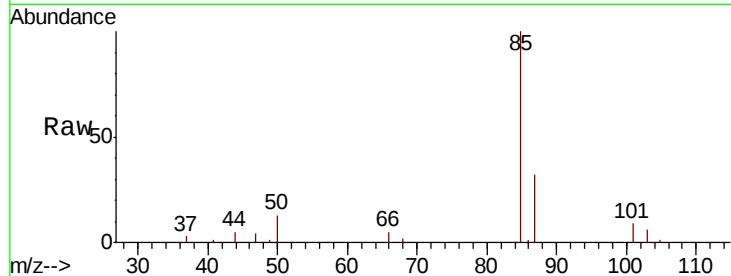
ClientSampleId :

Tot Ion: 85 Resp: 31548

Ion Ratio Lower Upper

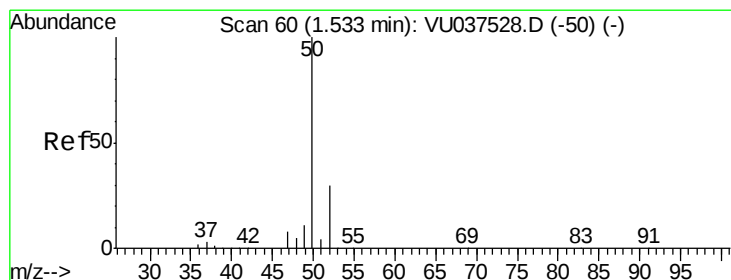
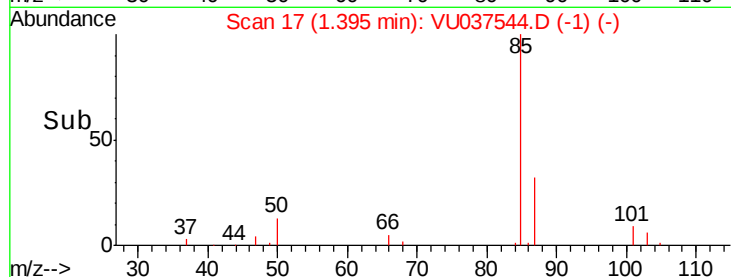
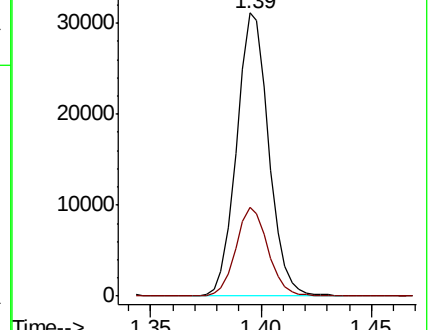
85 100

87 31.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037528.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037528.D (-9) (-)



#3

Chloromethane

Concen: 5.451 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037544.D

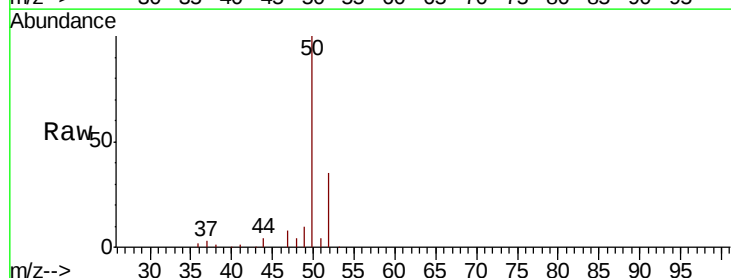
Acq: 02 Apr 2020 00:57

Tgt Ion: 50 Resp: 36757

Ion Ratio Lower Upper

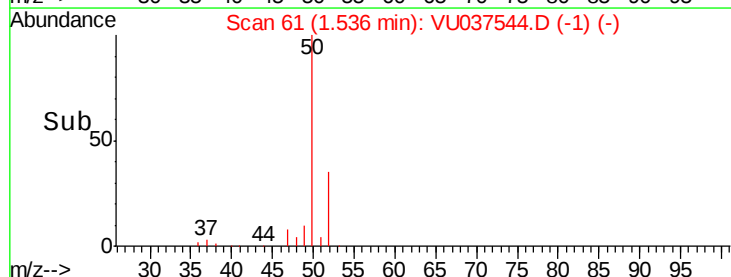
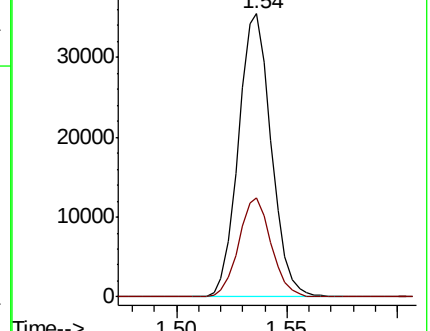
50 100

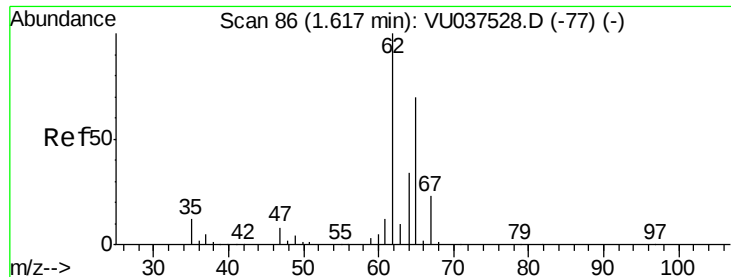
52 34.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037528.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037528.D (-50) (-)





#5

Vinyl chloride

Concen: 5.209 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

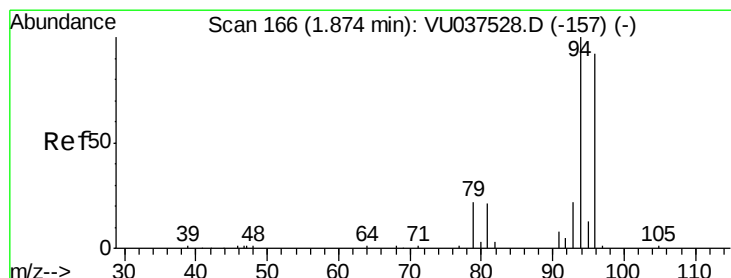
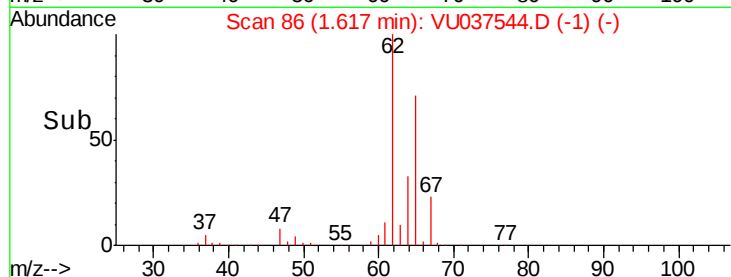
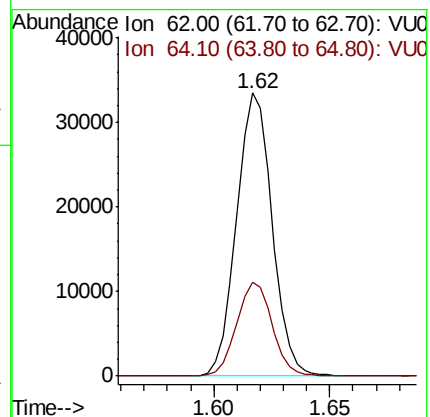
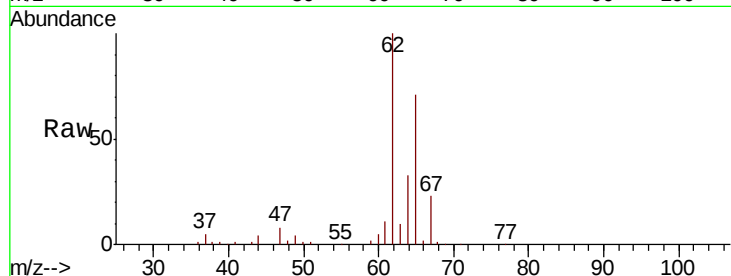
ClientSampleId :

Tot Ion: 62 Resp: 35522

Ion Ratio Lower Upper

62 100

64 33.0 22.3 41.5



#6

Bromomethane

Concen: 4.722 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037544.D

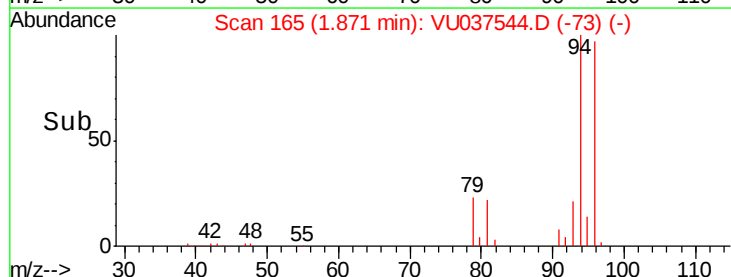
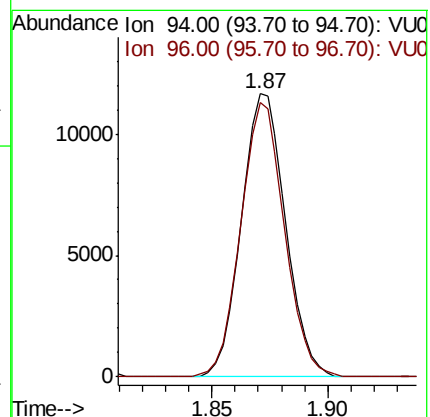
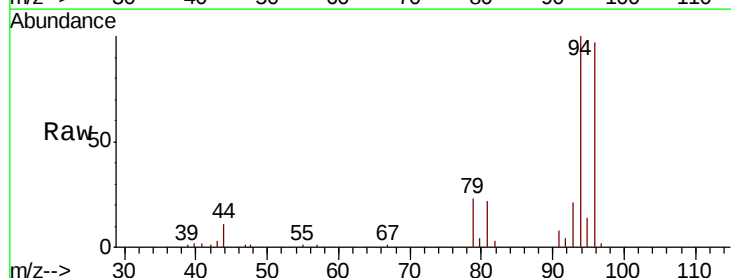
Acq: 02 Apr 2020 00:57

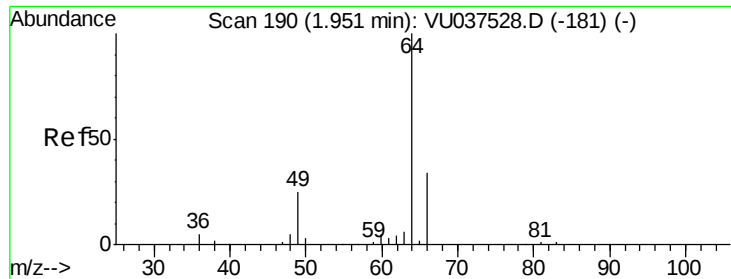
Tgt Ion: 94 Resp: 15401

Ion Ratio Lower Upper

94 100

96 96.9 64.3 119.5

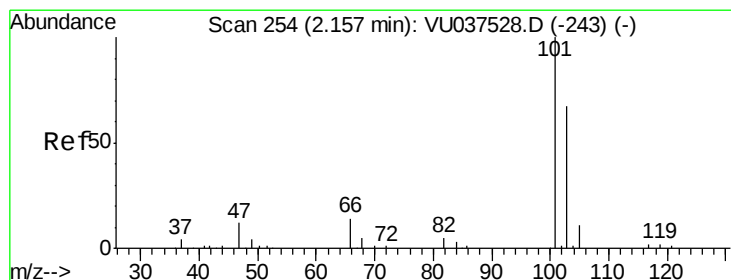
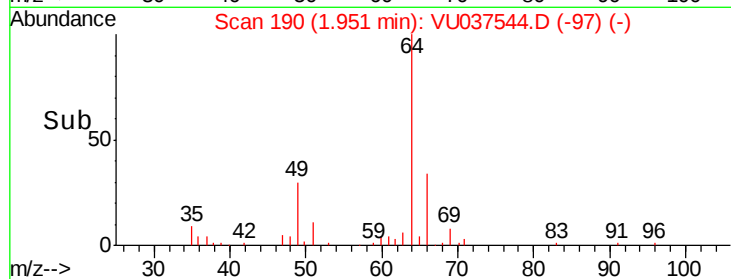
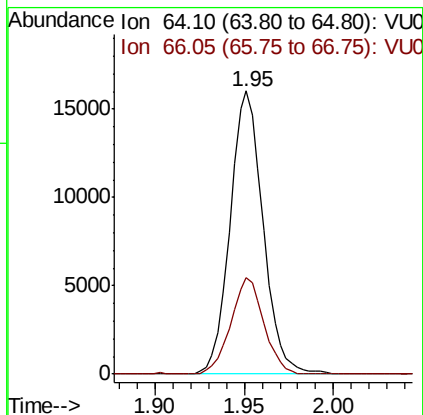
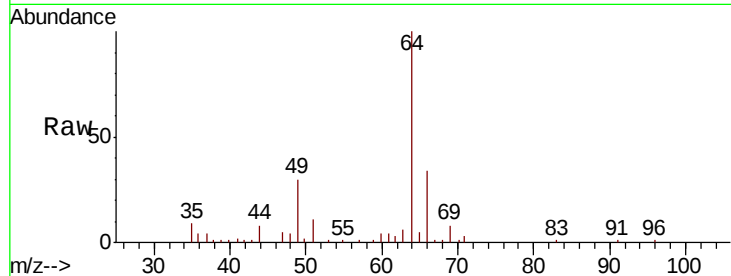




#8
Chloroethane
Concen: 4.919 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

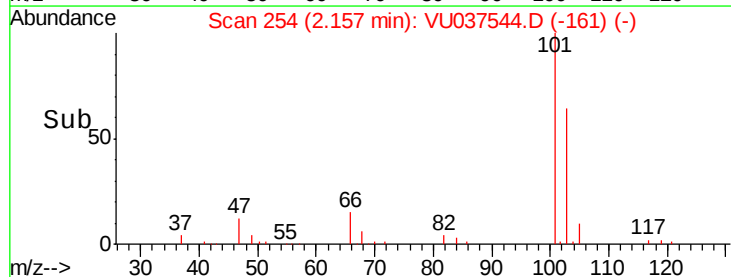
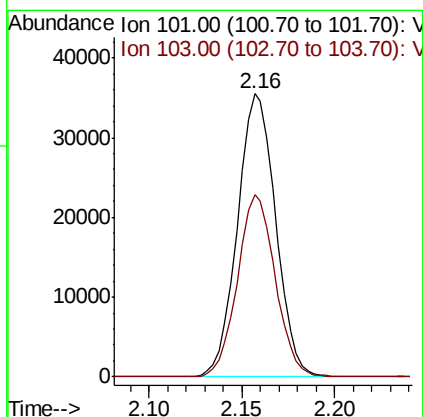
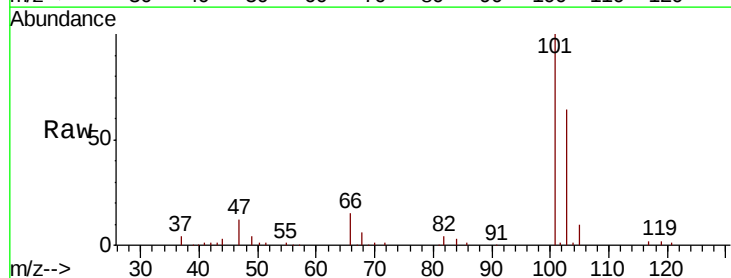
Instrument :
MSVOA_U
ClientSampled :

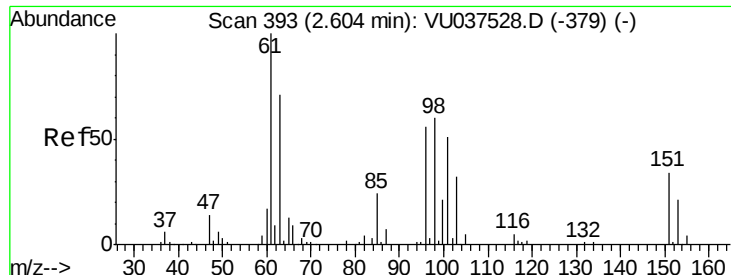
Tot Ion: 64 Resp: 20493
Ion Ratio Lower Upper
64 100
66 34.0 24.1 44.7



#9
Trichlorofluoromethane
Concen: 5.052 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Tgt Ion:101 Resp: 50750
Ion Ratio Lower Upper
101 100
103 63.4 53.2 79.8





#10

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

Concen: 4.933 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

ClientSampled :

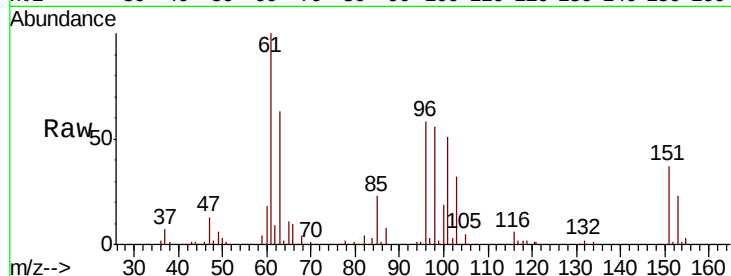
Tot Ion:101 Resp: 28435

Ion Ratio Lower Upper

101 100

85 43.9 35.8 53.8

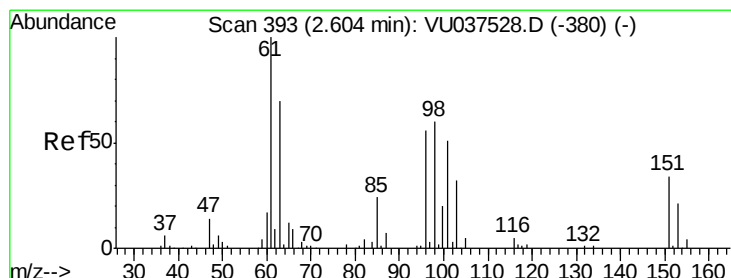
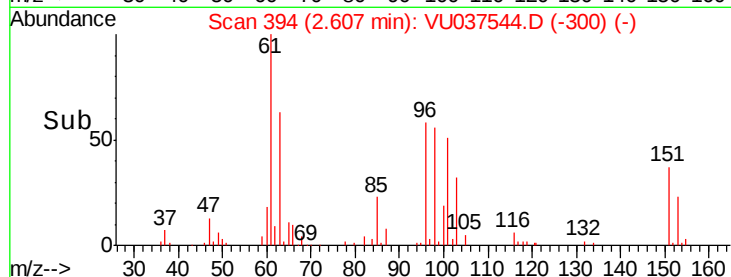
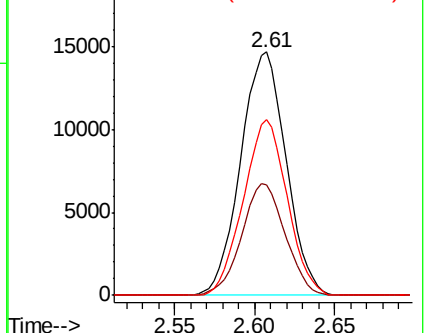
151 69.8 54.7 82.1



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: 4.979 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

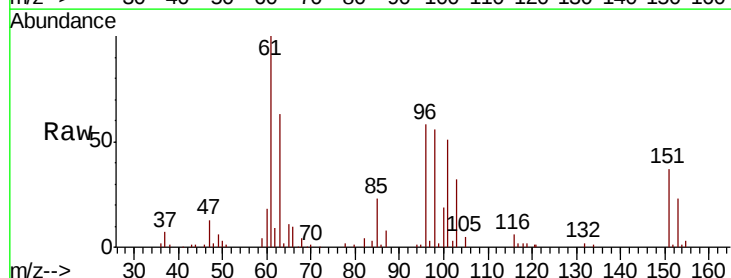
Tgt Ion: 96 Resp: 27728

Ion Ratio Lower Upper

96 100

61 173.0 123.4 229.2

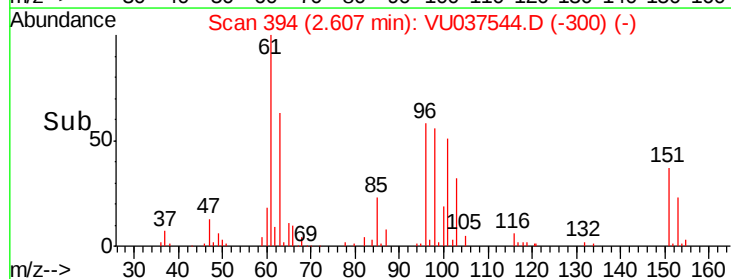
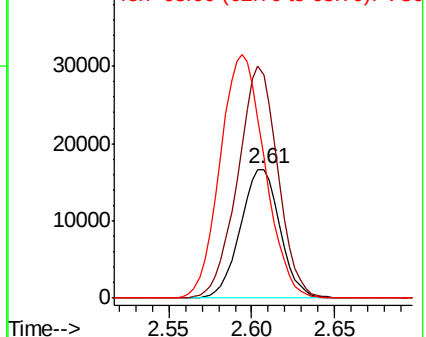
63 109.4 90.4 168.0

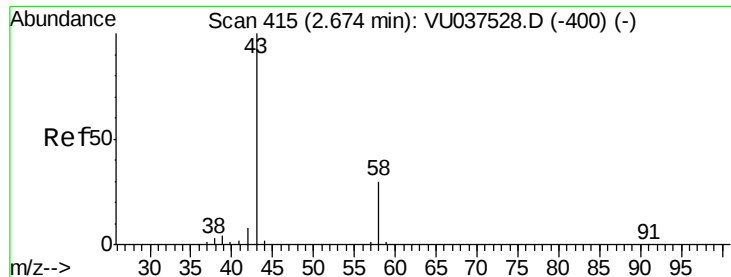


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.902 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

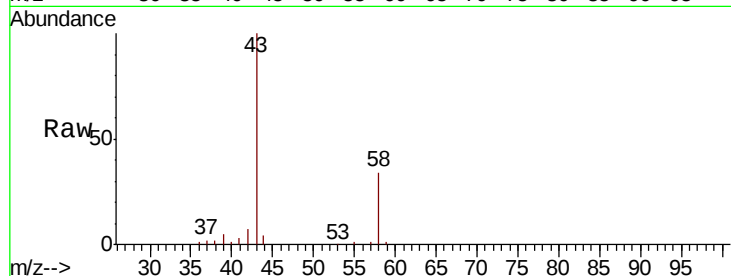
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 47373

Ion Ratio Lower Upper

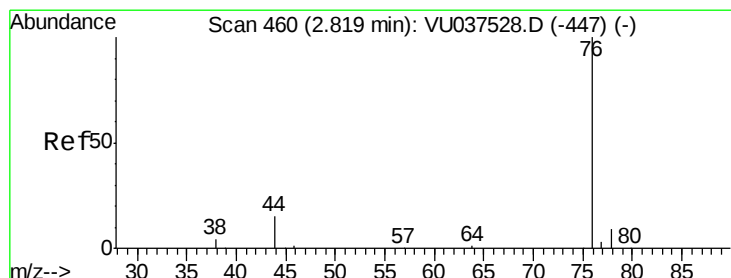
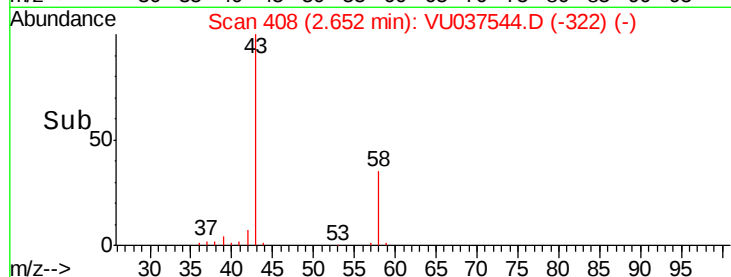
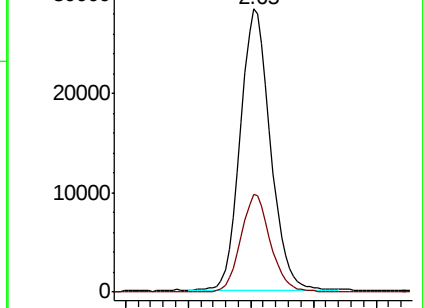
43 100

58 34.1 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037528.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037528.D (-400) (-)



#14

Carbon disulfide

Concen: 4.814 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037544.D

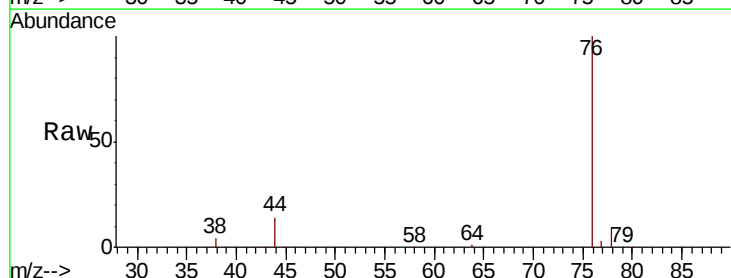
Acq: 02 Apr 2020 00:57

Tgt Ion: 76 Resp: 88070

Ion Ratio Lower Upper

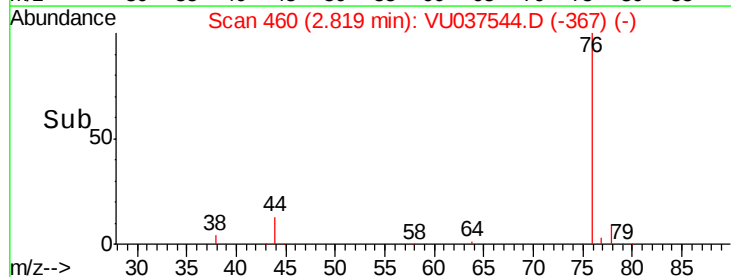
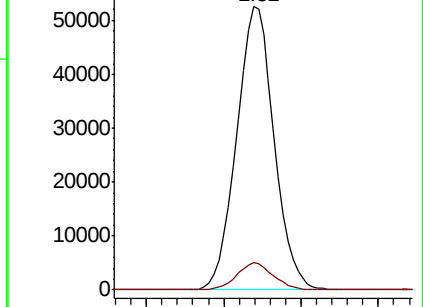
76 100

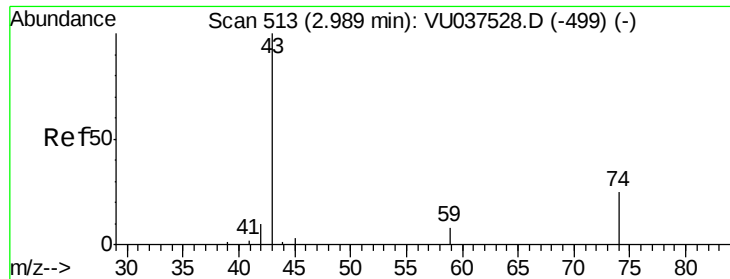
78 9.5 6.3 9.5#



Abundance Ion 76.05 (75.75 to 76.75): VU037528.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU037528.D (-447) (-)

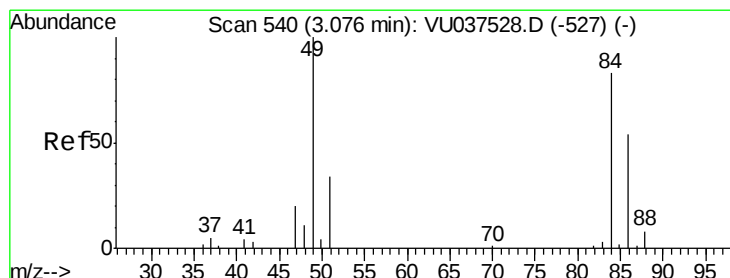
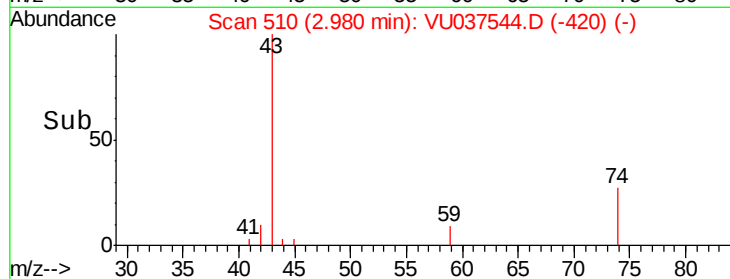
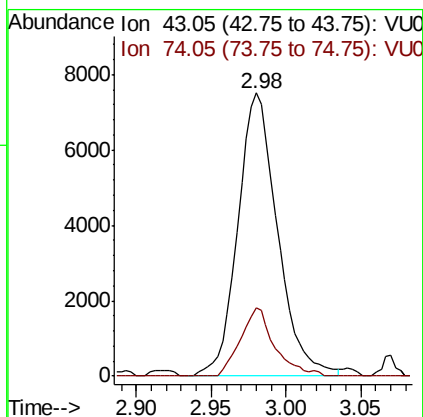
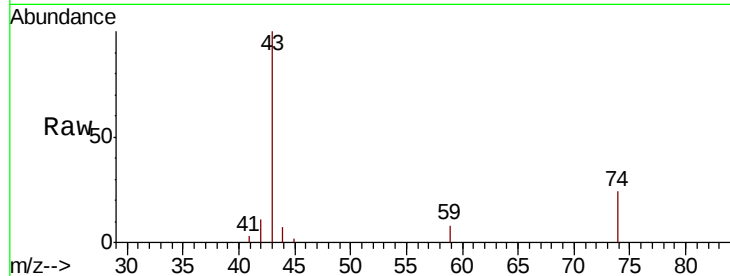




#15
Methvl Acetate
Concen: 4.343 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.01 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

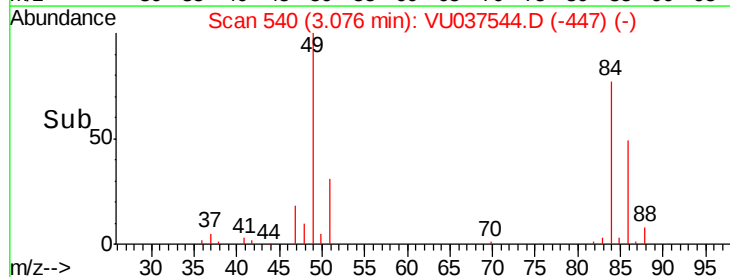
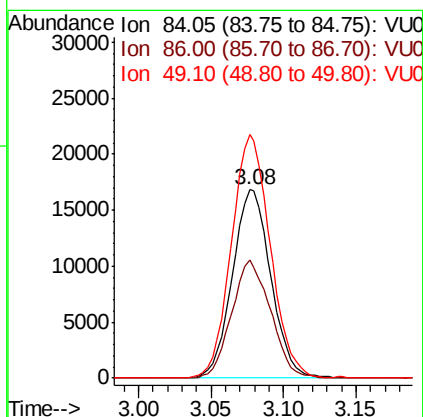
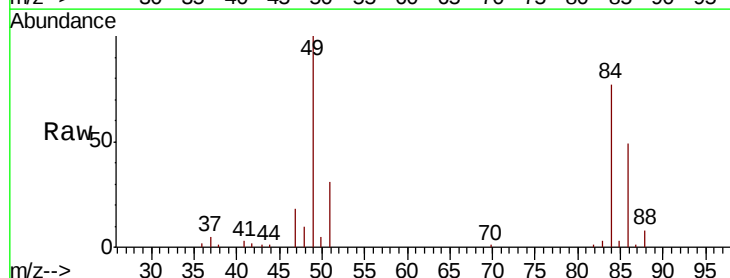
Instrument :
MSVOA_U
ClientSampleId :

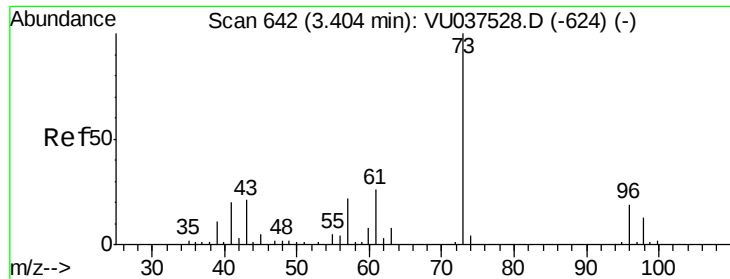
Tot Ion: 43 Resp: 13887
Ion Ratio Lower Upper
43 100
74 20.6 16.8 25.2



#16
Methylene chloride
Concen: 4.734 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Tgt Ion: 84 Resp: 30939
Ion Ratio Lower Upper
84 100
86 62.8 41.6 77.3
49 129.2 97.0 180.2

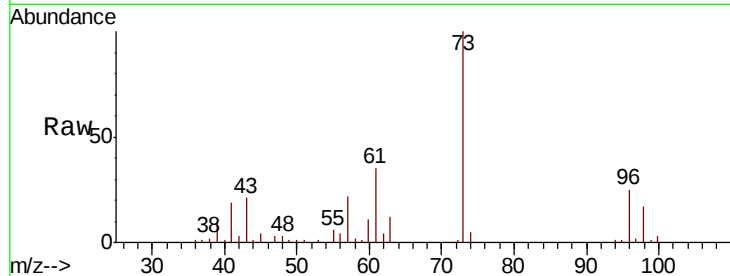




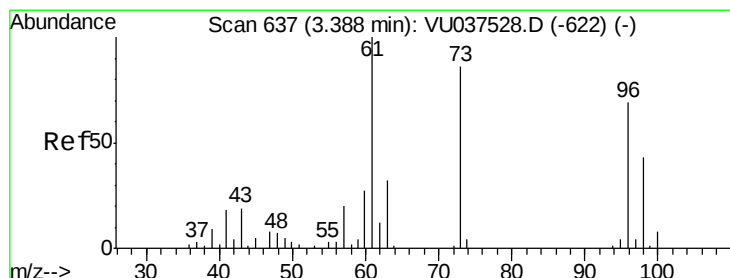
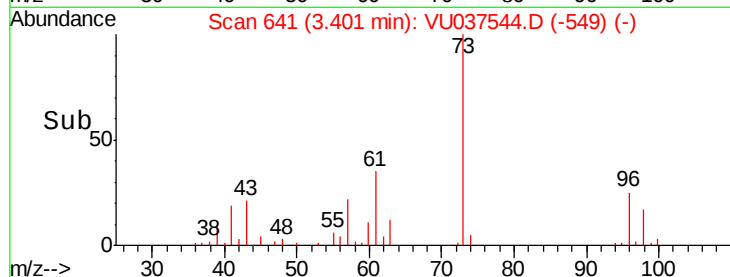
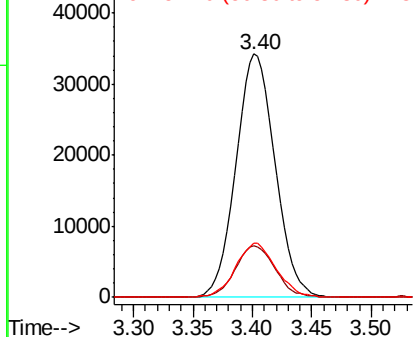
#17
Methvl tert-butvl Ether
Concen: 4.986 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 78039
Ion Ratio Lower Upper
73 100
43 21.7 18.0 27.0
57 22.9 19.0 28.6

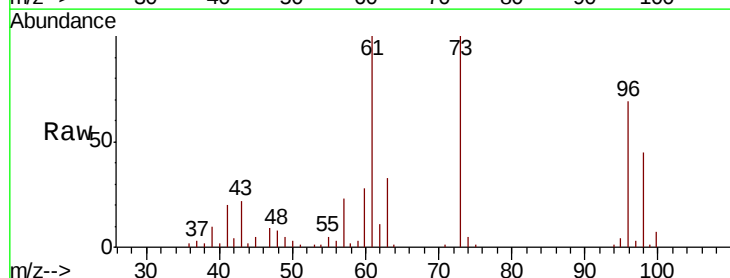


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

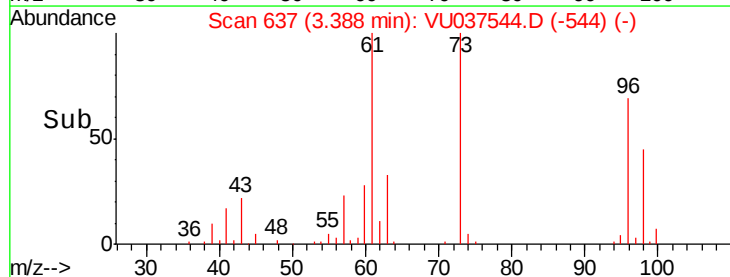
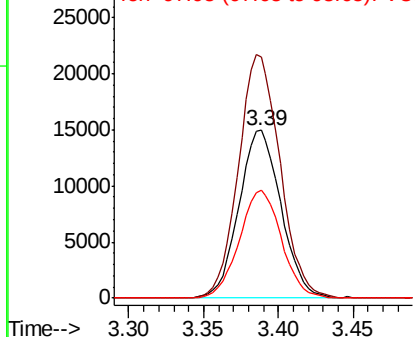


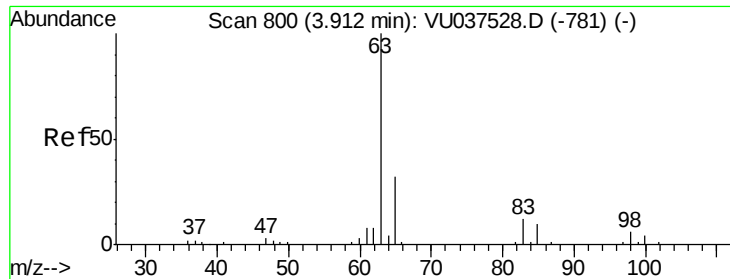
#18
trans-1,2-Dichloroethene
Concen: 4.832 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Tgt Ion: 96 Resp: 29247
Ion Ratio Lower Upper
96 100
61 143.6 97.4 181.0
98 64.3 42.4 78.6



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

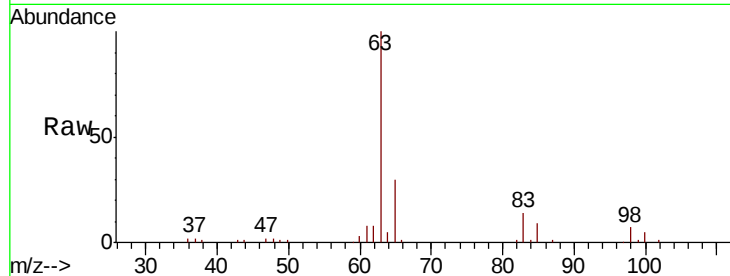




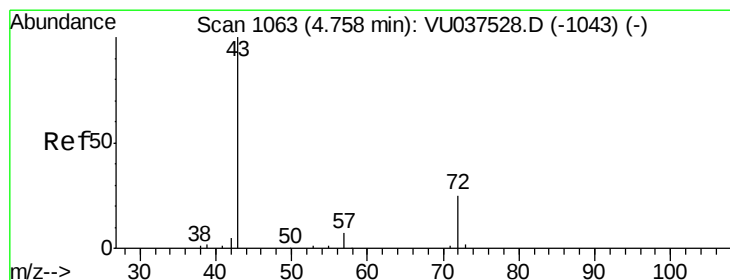
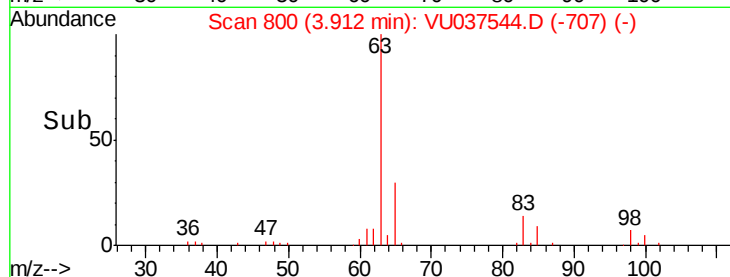
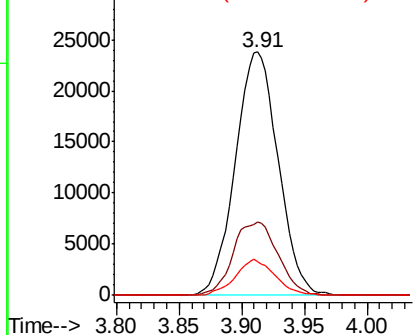
#19
 1,1-Dichloroethane
 Concen: 4.984 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 56602
 Ion Ratio Lower Upper
 63 100
 65 30.0 19.9 36.9
 83 14.1 10.1 18.7

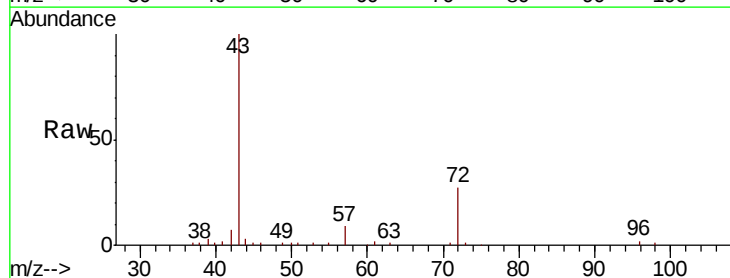


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

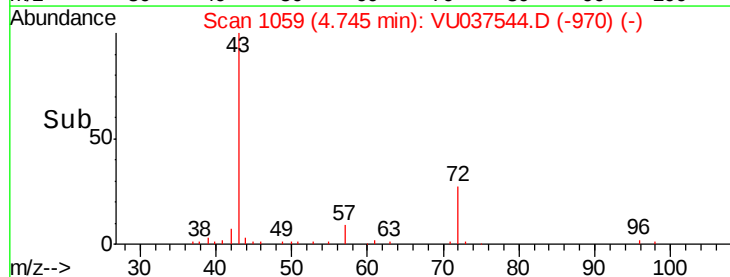
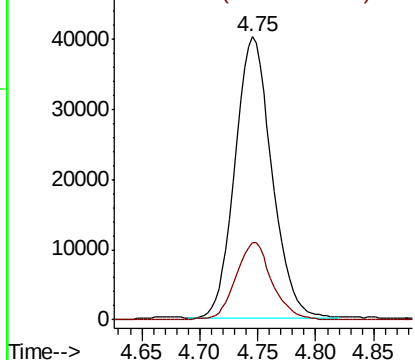


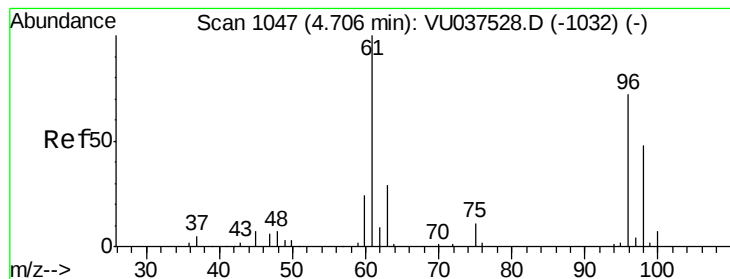
#21
 2-Butanone
 Concen: 46.353 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. -0.01 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Tgt Ion: 43 Resp: 87990
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.1 39.1



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: 5.081 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

ClientSampled :

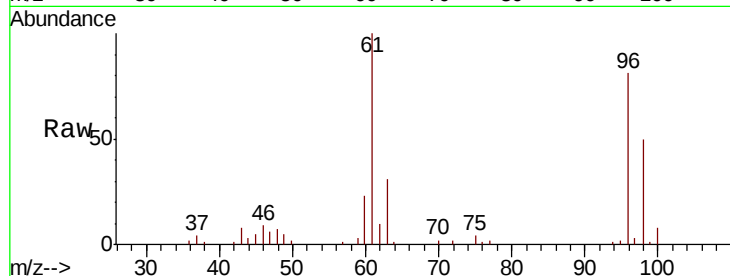
Tot Ion: 96 Resp: 33533

Ion Ratio Lower Upper

96 100

61 123.4 92.0 170.9

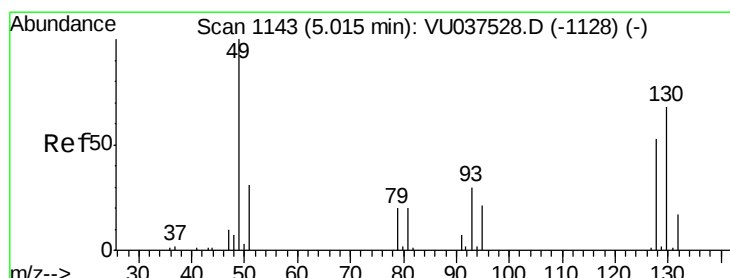
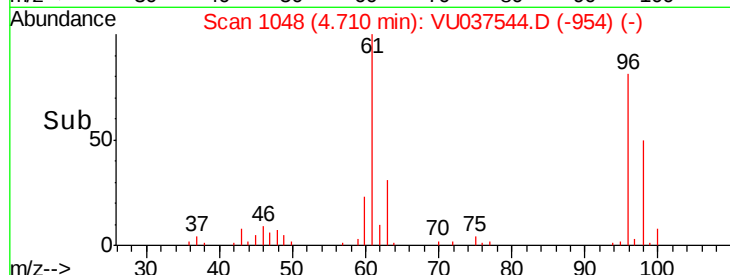
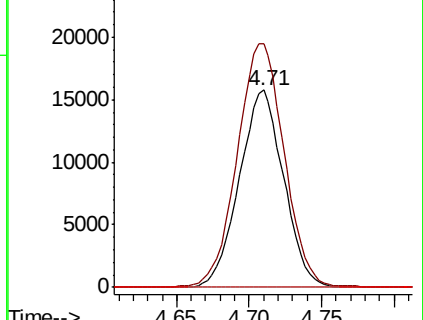
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037544.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037544.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037544.D (-954) (-)



#23

Bromochloromethane

Concen: 4.948 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Tgt Ion: 128 Resp: 14231

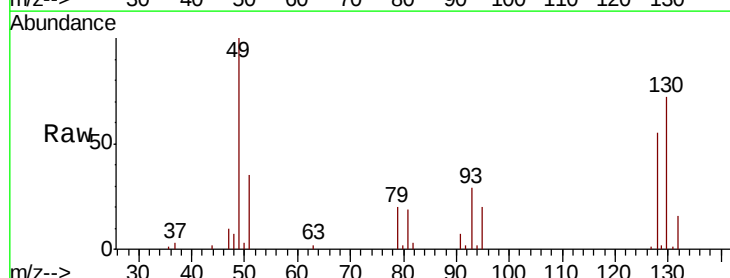
Ion Ratio Lower Upper

128 100

49 182.8 133.7 248.3

130 131.1 90.6 168.2

51 63.7 45.2 67.8

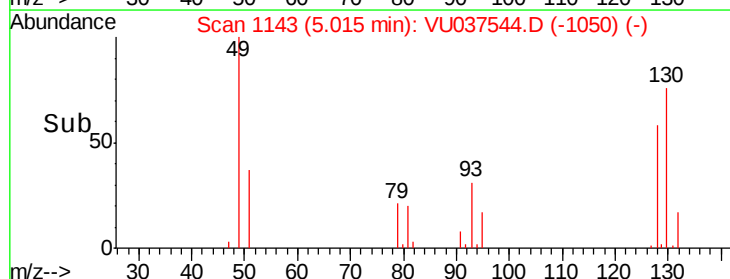
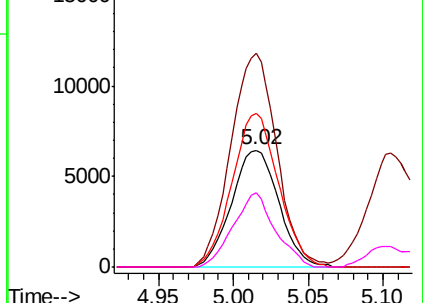


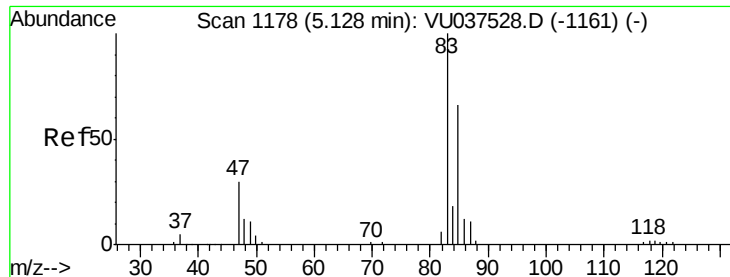
Abundance Ion 127.90 (127.60 to 128.60): VU037544.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU037544.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU037544.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU037544.D (-1050) (-)

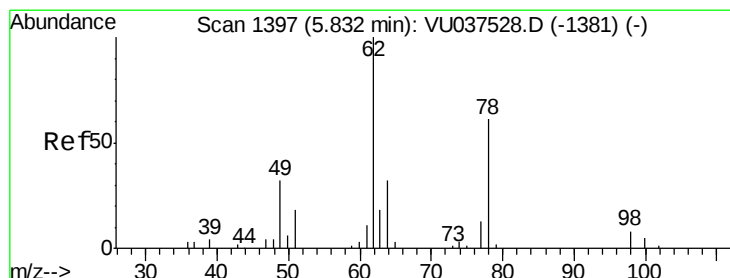
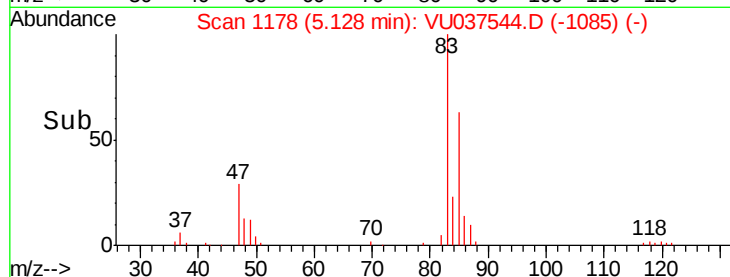
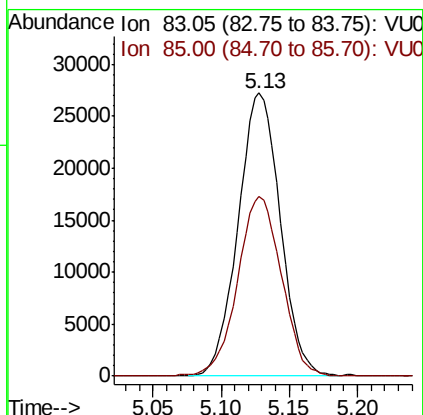
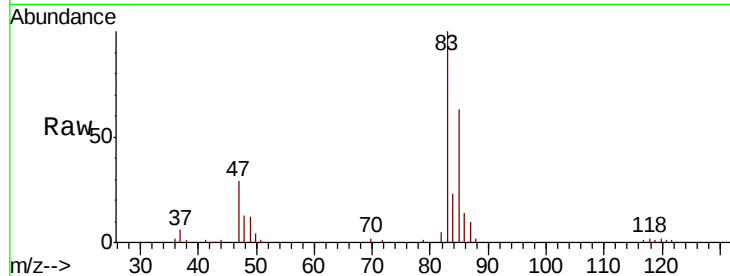




#25
Chloroform
Concen: 4.991 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

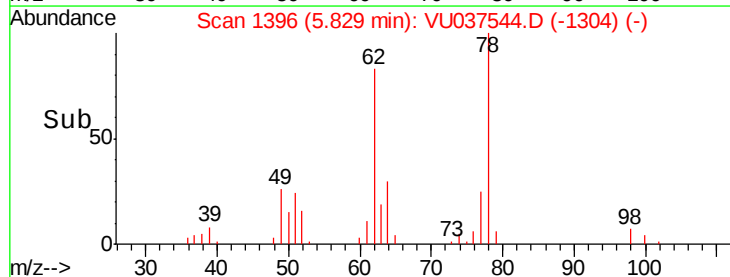
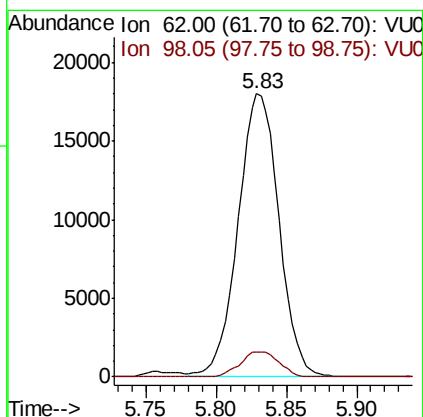
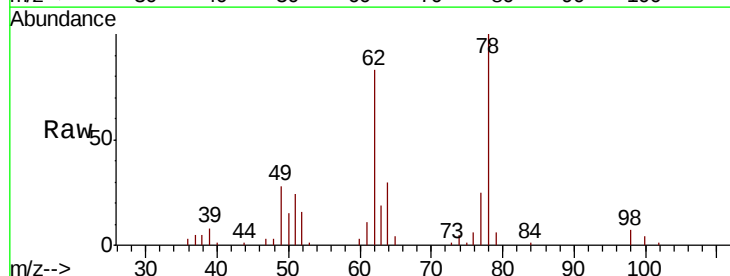
Instrument :
MSVOA_U
ClientSampleId :

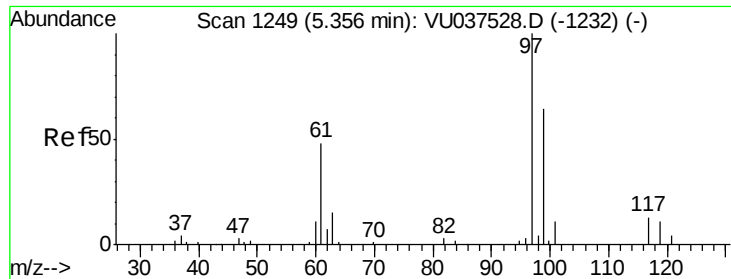
Tot Ion: 83 Resp: 58386
Ion Ratio Lower Upper
83 100
85 63.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.872 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Tgt Ion: 62 Resp: 36565
Ion Ratio Lower Upper
62 100
98 8.9 7.3 10.9

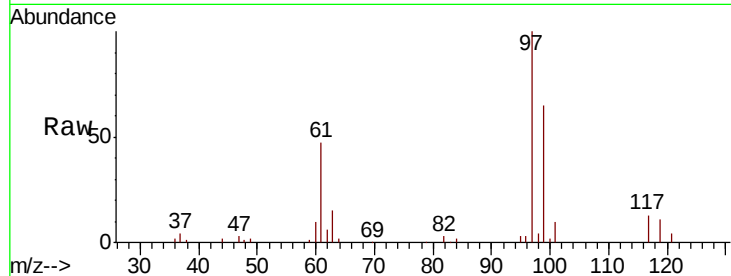




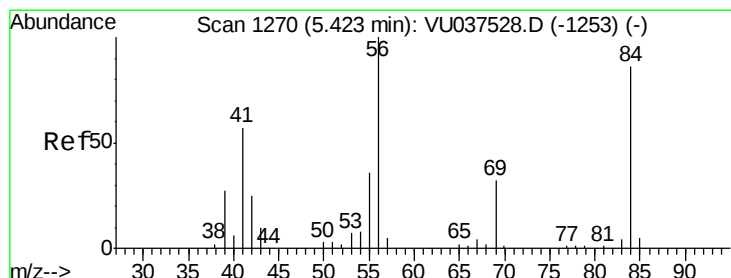
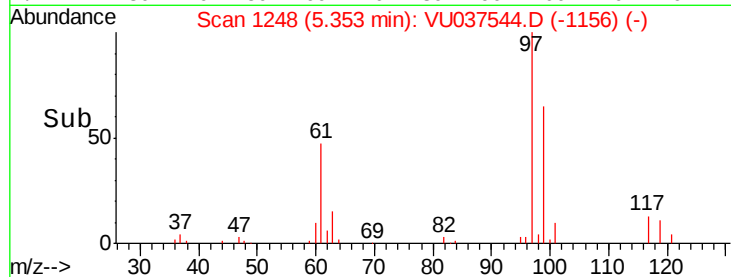
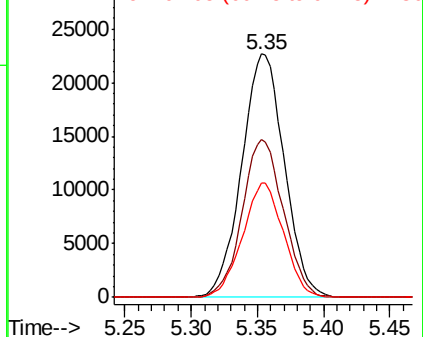
#29
 1,1,1-Trichloroethane
 Concen: 4.925 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 50724
 Ion Ratio Lower Upper
 97 100
 99 62.6 50.6 76.0
 61 45.2 35.2 52.8

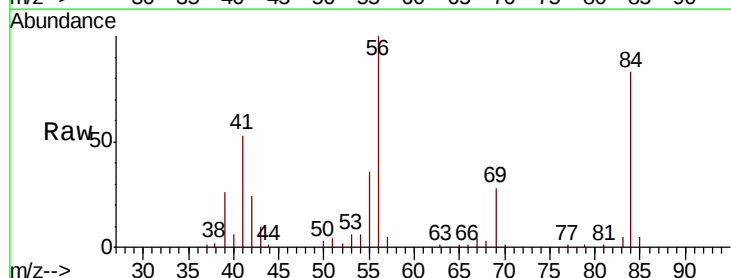


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

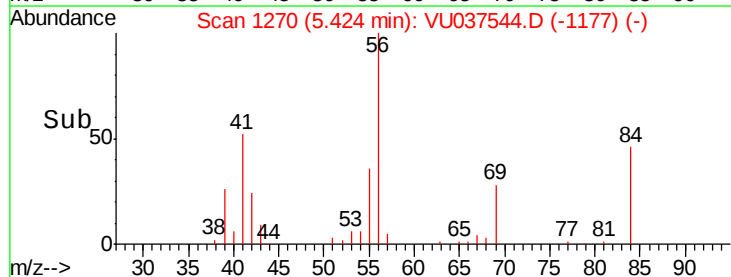
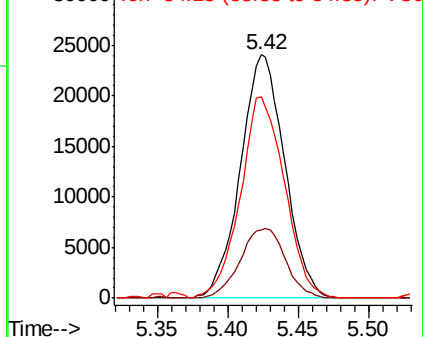


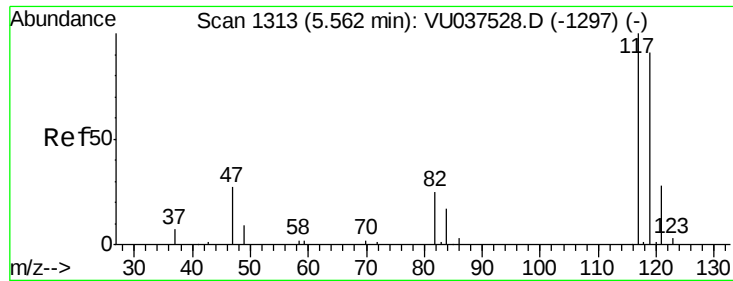
#30
 Cyclohexane
 Concen: 4.716 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Tgt Ion: 56 Resp: 52746
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.9 35.9
 84 82.4 65.6 98.4



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: 5.027 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

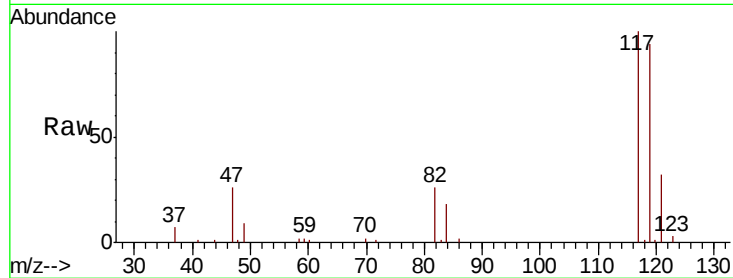
ClientSampleId :

Tot Ion:117 Resp: 42101

Ion Ratio Lower Upper

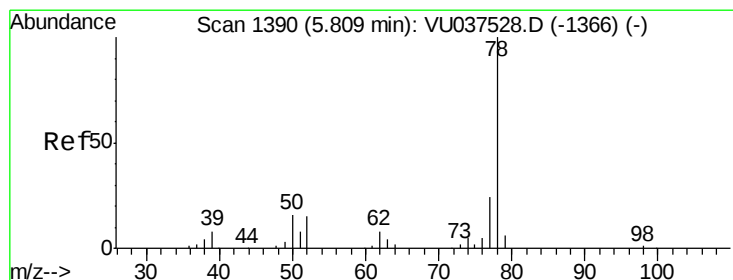
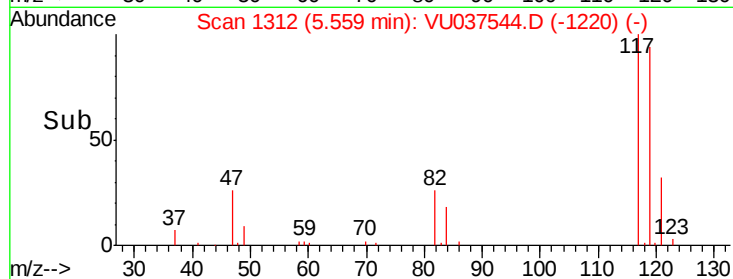
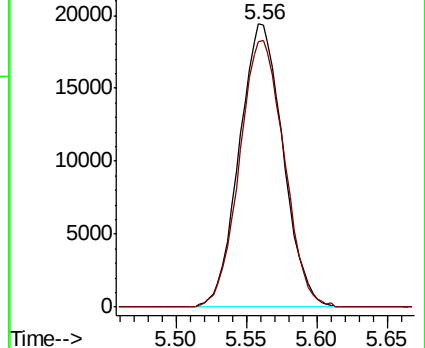
117 100

119 96.0 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.922 ug/L

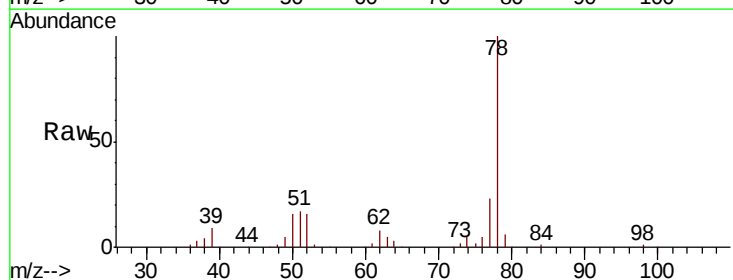
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

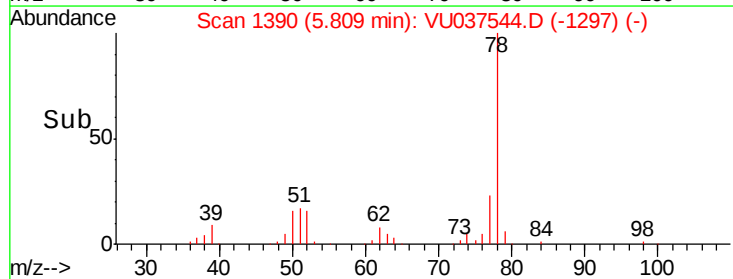
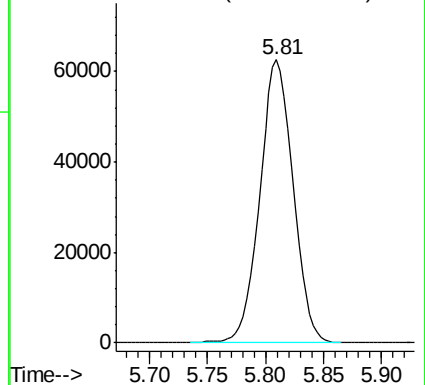
Lab File: VU037544.D

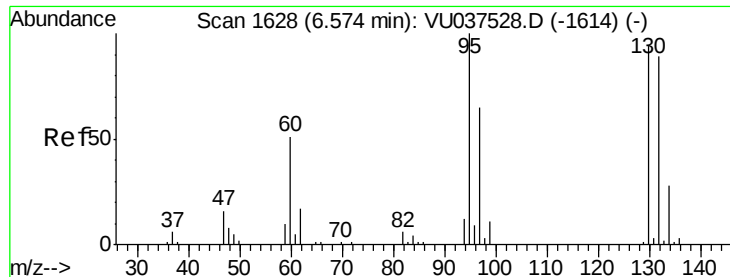
Acq: 02 Apr 2020 00:57

Tgt Ion: 78 Resp: 125030



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.880 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 32713

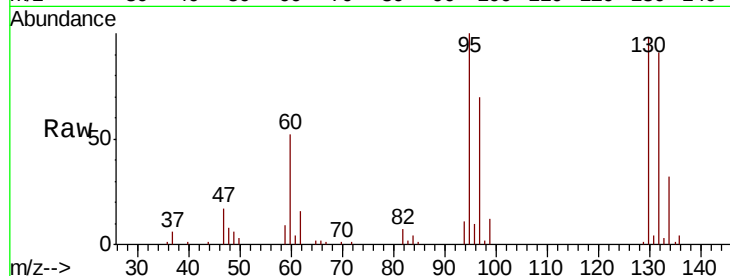
Ion Ratio Lower Upper

95 100

97 69.7 44.0 81.8

132 91.4 61.9 114.9

130 98.2 62.7 116.5

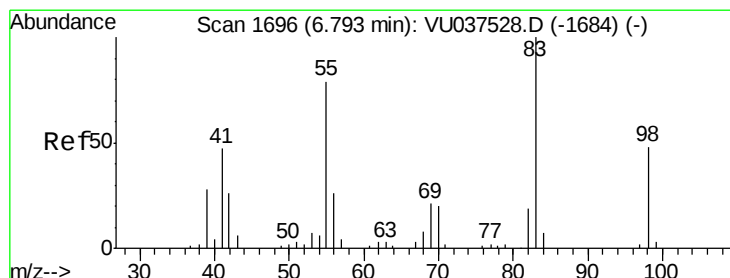
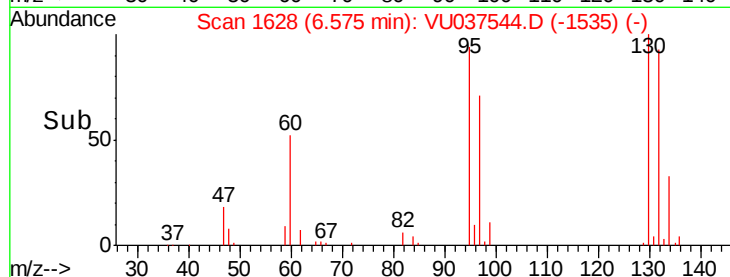
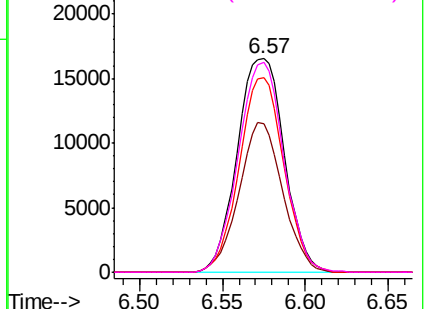


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.622 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

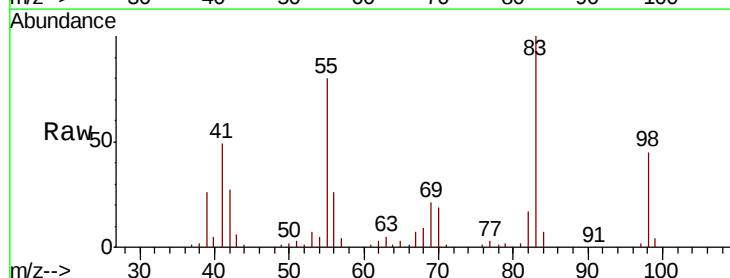
Tgt Ion: 83 Resp: 51859

Ion Ratio Lower Upper

83 100

55 78.4 63.0 94.6

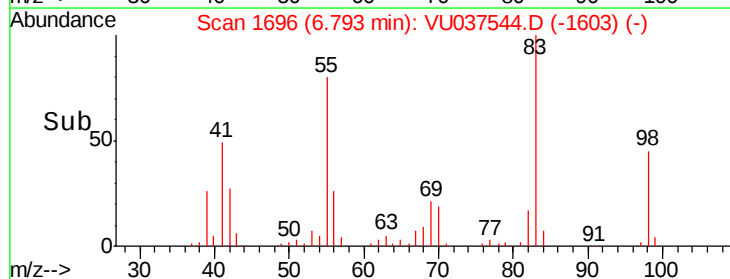
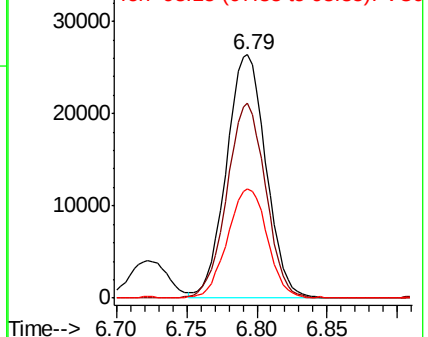
98 45.0 35.3 52.9

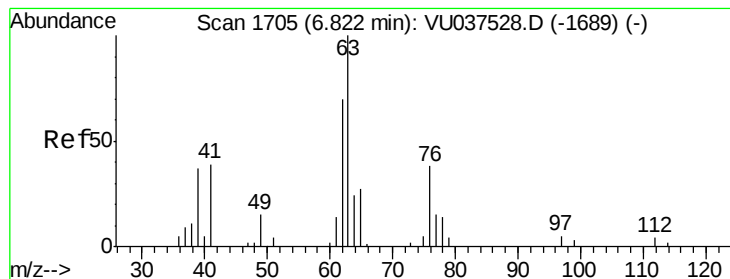


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.915 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

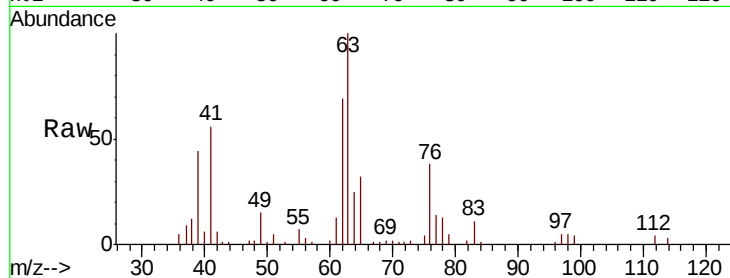
ClientSampleId :

Tot Ion: 63 Resp: 33694

Ion Ratio Lower Upper

63 100

112 3.6 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VU037528.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU037528.D (-1689) (-)

6.82

20000

15000

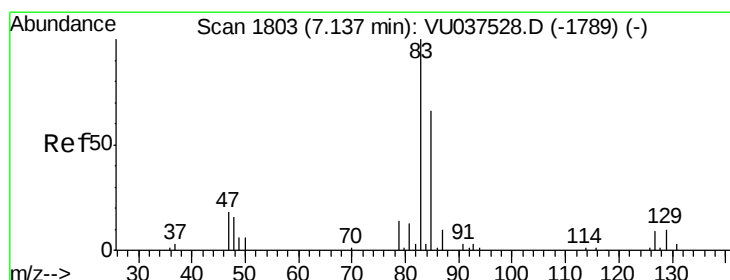
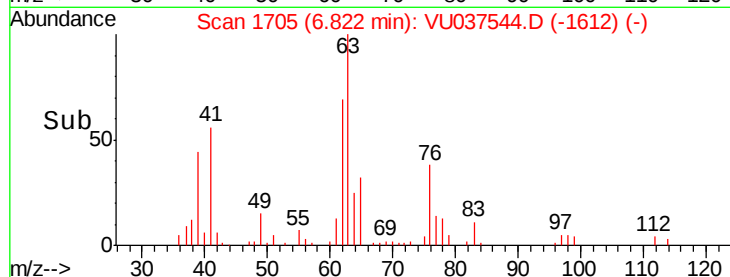
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.915 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

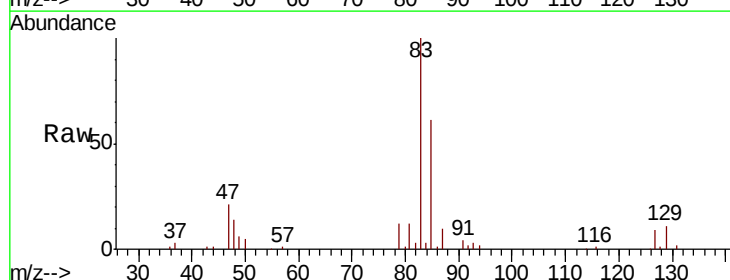
Tgt Ion: 83 Resp: 42997

Ion Ratio Lower Upper

83 100

85 61.4 44.4 82.5

127 8.9 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU037528.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU037528.D (-1789) (-)

Ion 126.90 (126.60 to 127.60): VU037528.D (-1789) (-)

7.13

30000

25000

20000

15000

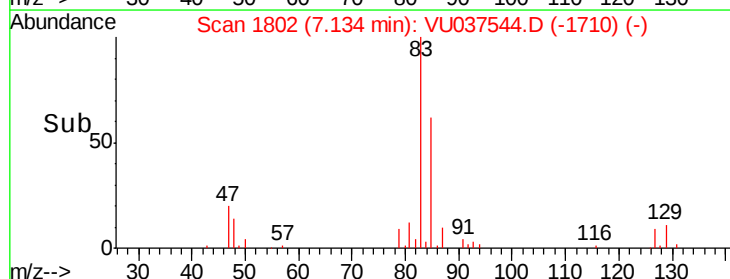
10000

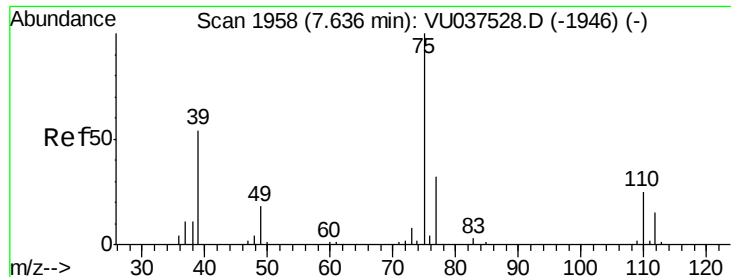
5000

0

7.05 7.10 7.15 7.20

Time-->

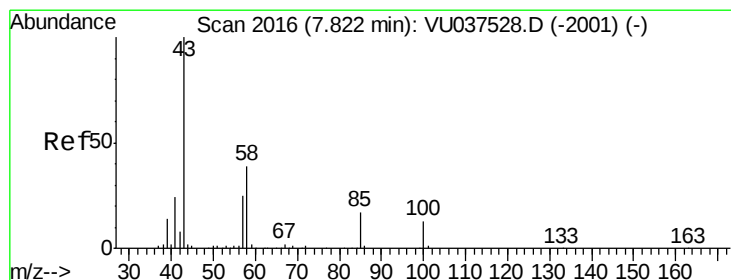
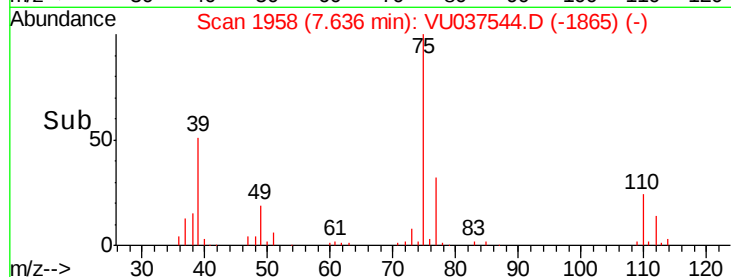
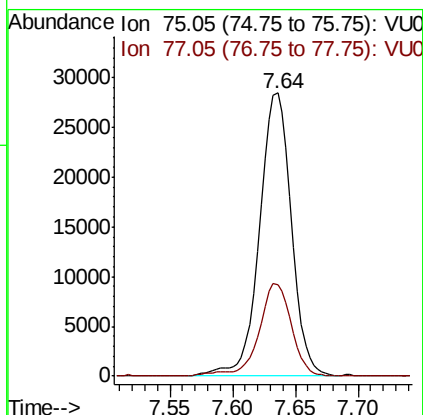
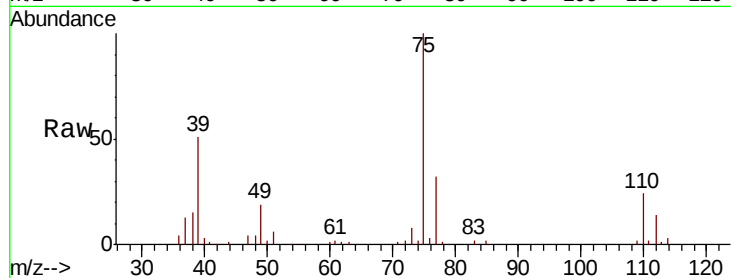




#39
 cis-1,3-Dichloropropene
 Concen: 4.801 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

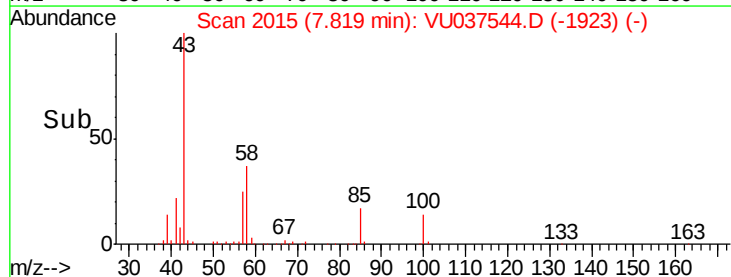
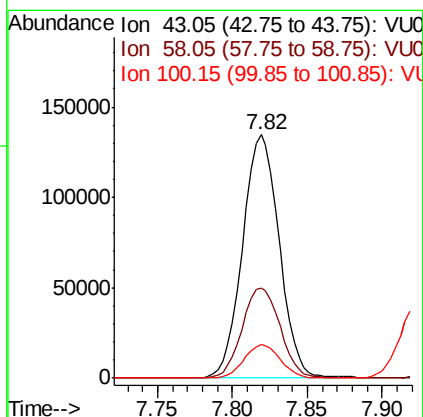
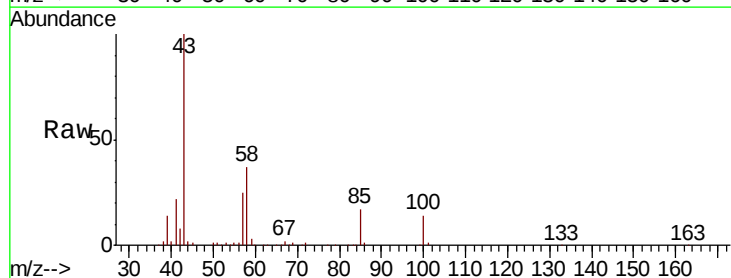
Instrument :
 MSVOA_U
 ClientSampleId :

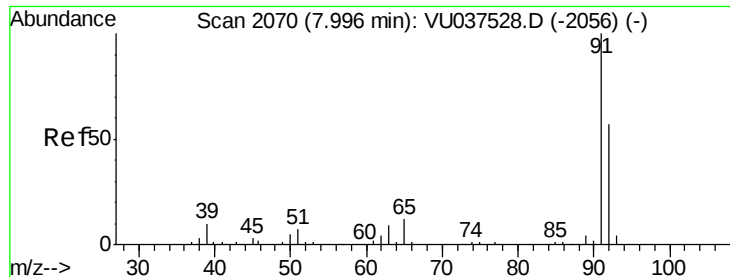
Tot Ion: 75 Resp: 50366
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 48.145 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Tgt Ion: 43 Resp: 229896
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.7 47.5
 100 13.6 11.0 16.6





#42

Toluene

Concen: 4.966 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

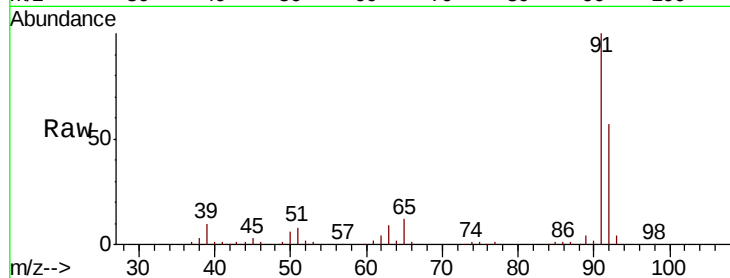
ClientSampled :

Tot Ion: 91 Resp: 134087

Ion Ratio Lower Upper

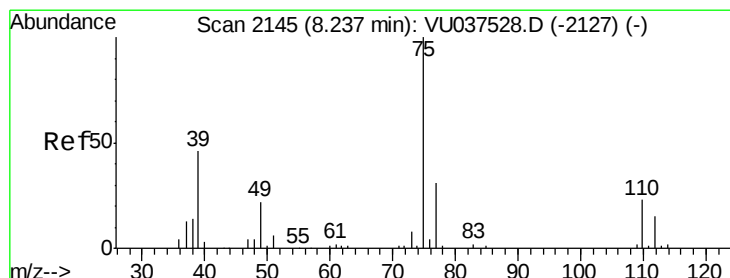
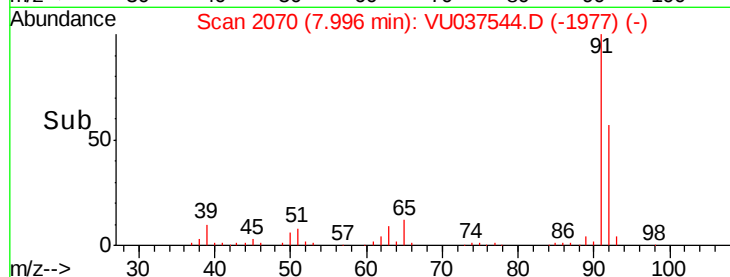
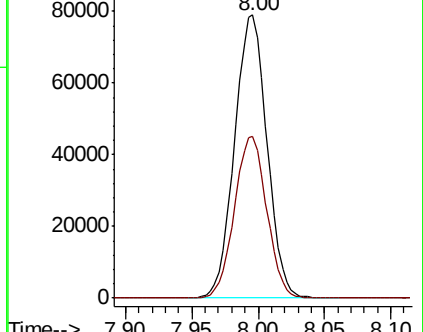
91 100

92 57.0 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU037528.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU037528.D (-2056) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.787 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037544.D

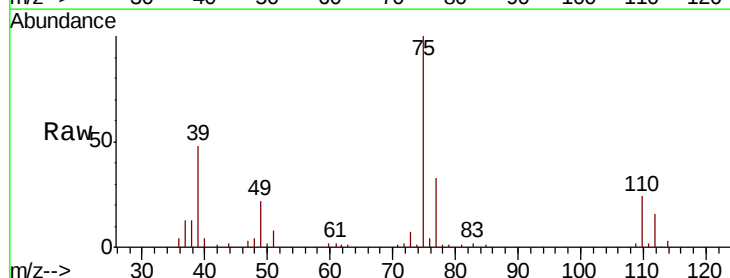
Acq: 02 Apr 2020 00:57

Tgt Ion: 75 Resp: 44045

Ion Ratio Lower Upper

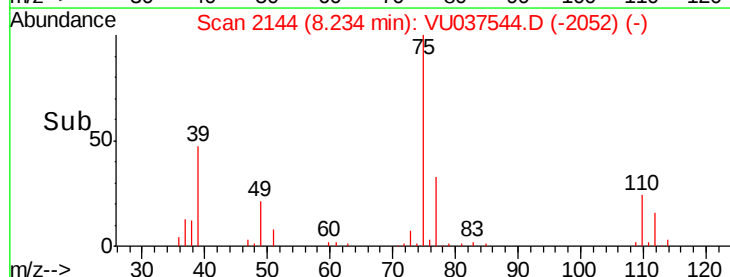
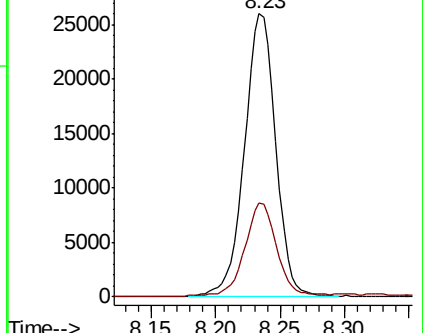
75 100

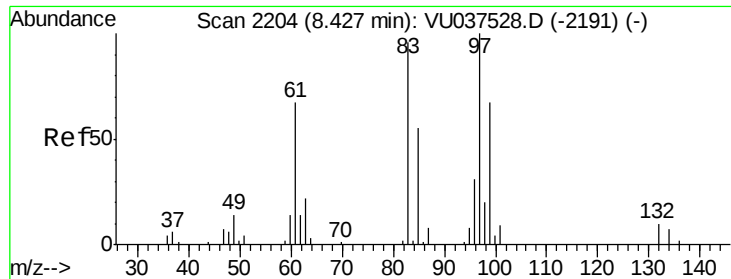
77 33.1 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037528.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037528.D (-2127) (-)

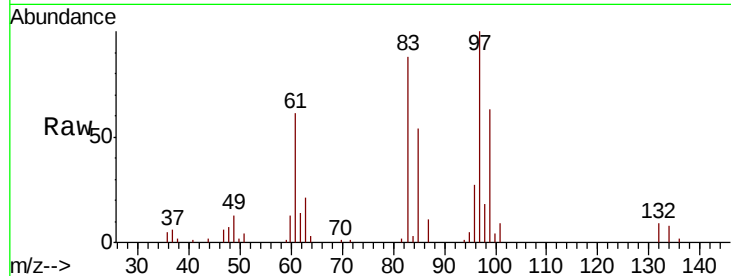




#45
 1,1,2-Trichloroethane
 Concen: 4.856 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	23283
Ion	Ratio	Lower	Upper
97	100		
99	62.7	42.8	79.4
83	88.4	61.0	113.4
85	54.1	39.8	73.8



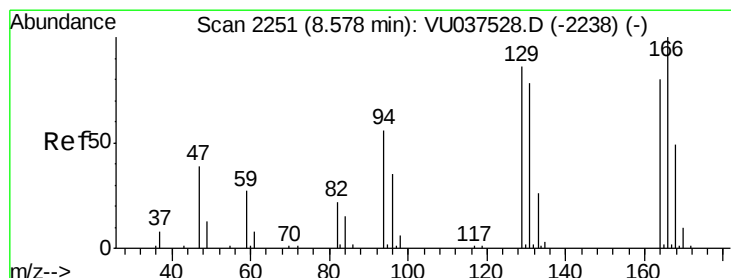
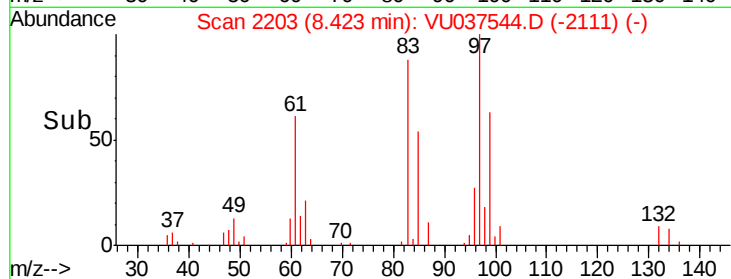
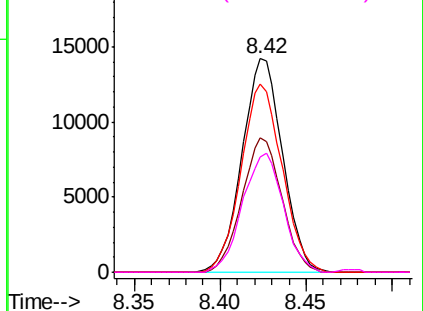
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

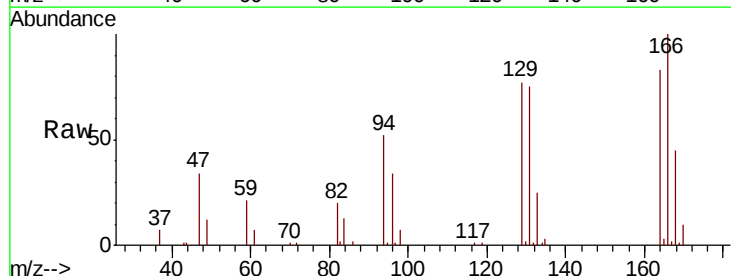
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.125 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Tgt Ion:	164	Resp:	22470
Ion	Ratio	Lower	Upper
164	100		
129	92.6	70.4	130.8
131	90.3	64.4	119.6
166	120.5	87.1	161.7



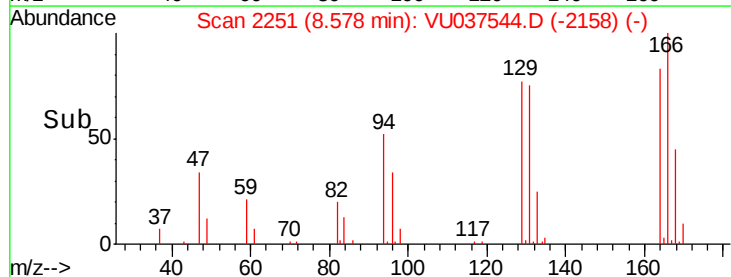
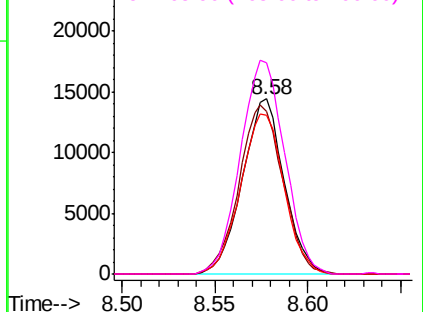
Abundance

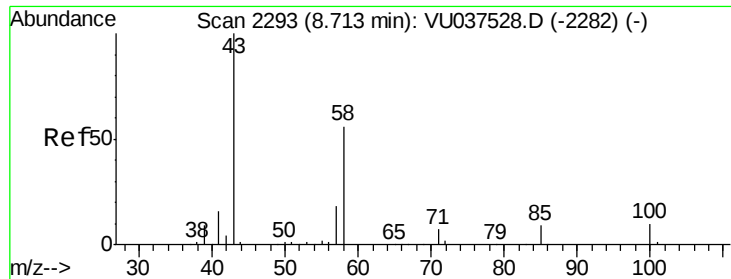
Ion 163.90 (163.60 to 164.60): V

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

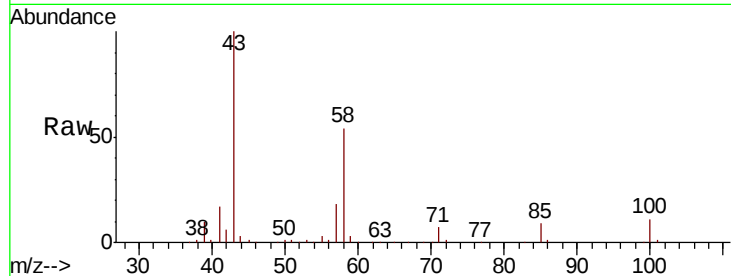




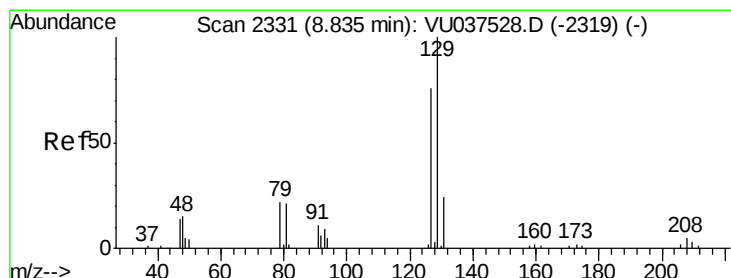
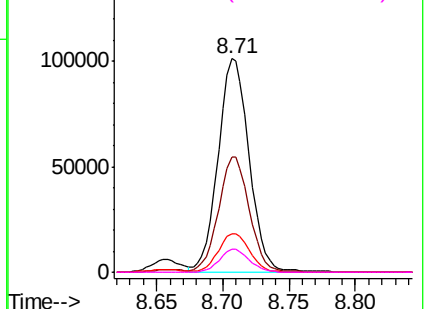
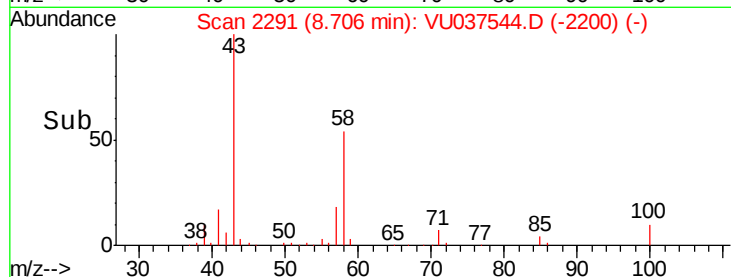
#48
2-Hexanone
Concen: 47.374 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.01 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 163845
Ion Ratio Lower Upper
43 100
58 53.6 45.0 67.6
57 18.0 14.9 22.3
100 10.3 8.4 12.6

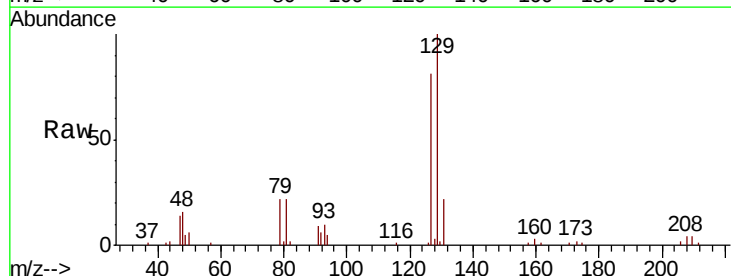


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

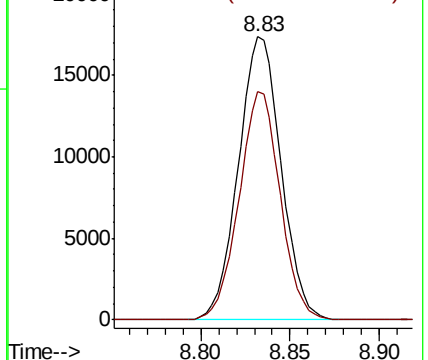
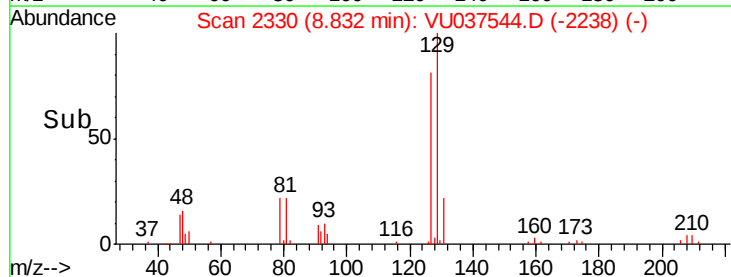


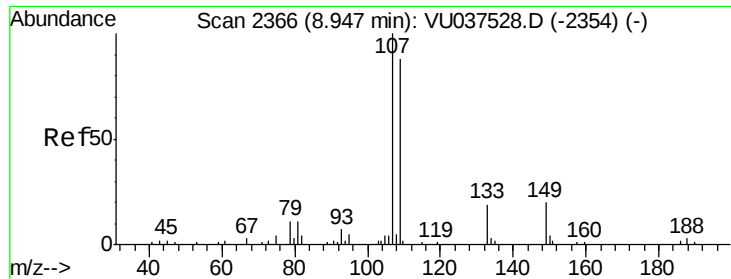
#49
Dibromochloromethane
Concen: 5.090 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Tgt Ion: 129 Resp: 29069
Ion Ratio Lower Upper
129 100
127 80.7 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

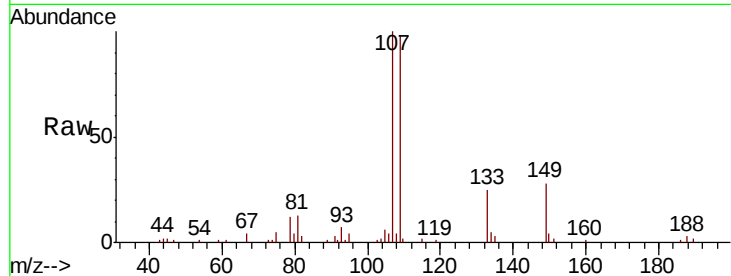




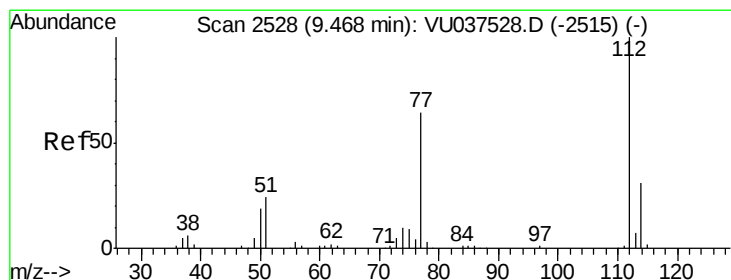
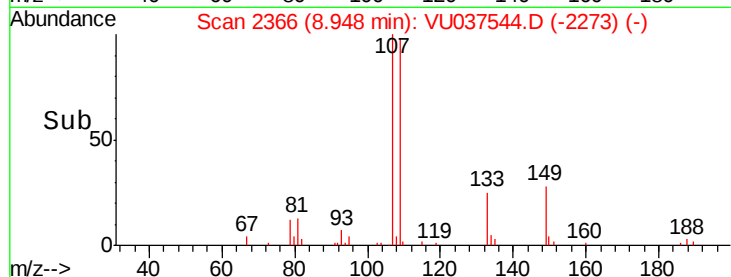
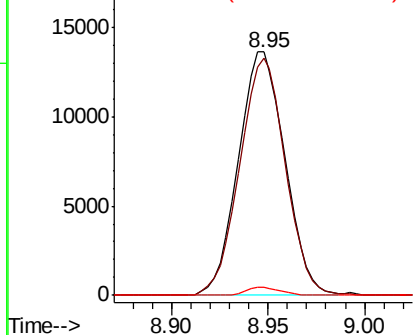
#50
 1,2-Dibromoethane
 Concen: 4.895 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 22831
 Ion Ratio Lower Upper
 107 100
 109 97.7 68.9 127.9
 188 3.3 2.2 3.4

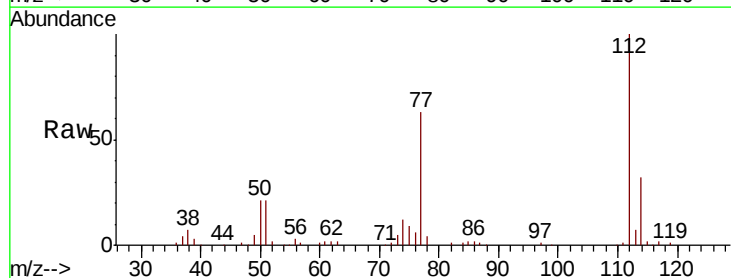


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

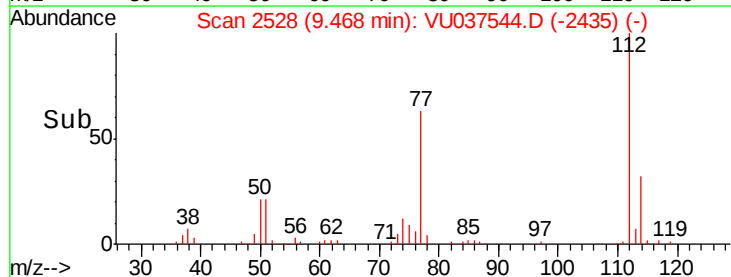
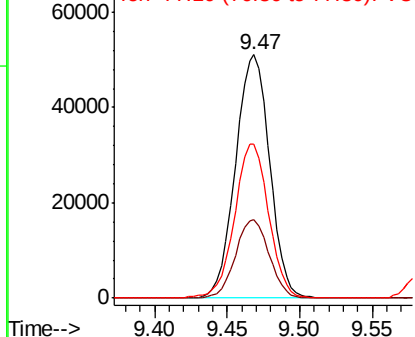


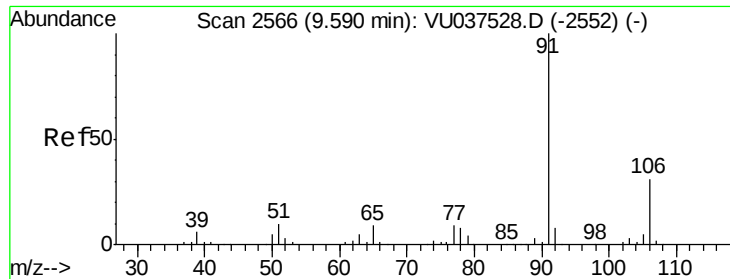
#51
 Chlorobenzene
 Concen: 5.018 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Tgt Ion:112 Resp: 83619
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.4 41.6
 77 63.0 50.7 76.1



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): V





#52

Ethylbenzene

Concen: 4.982 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

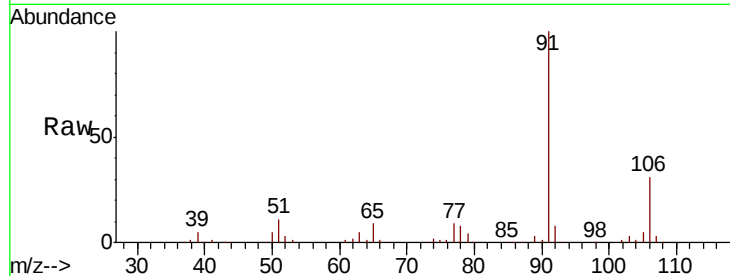
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 153246

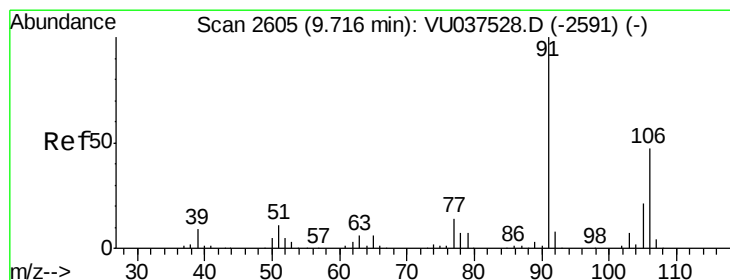
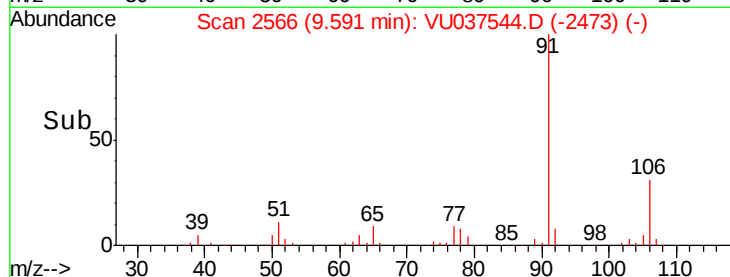
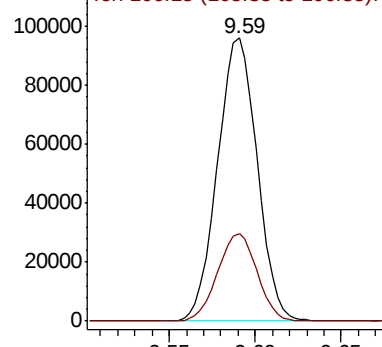
Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU037528.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.844 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037544.D

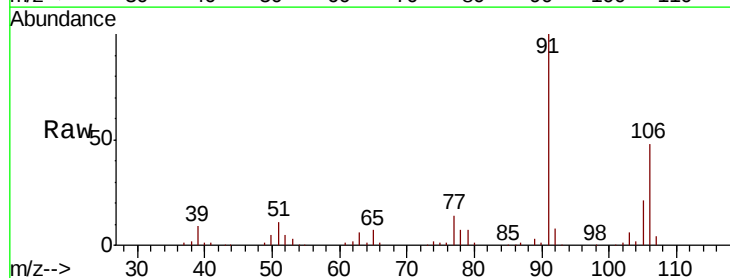
Acq: 02 Apr 2020 00:57

Tgt Ion:106 Resp: 56009

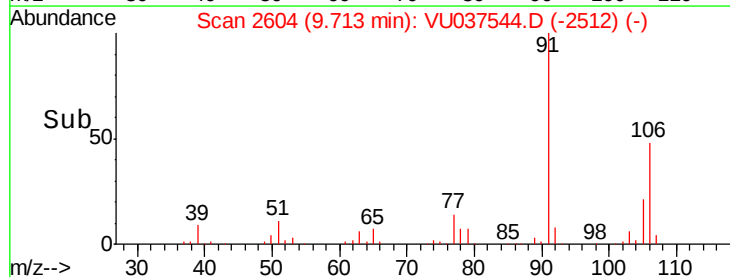
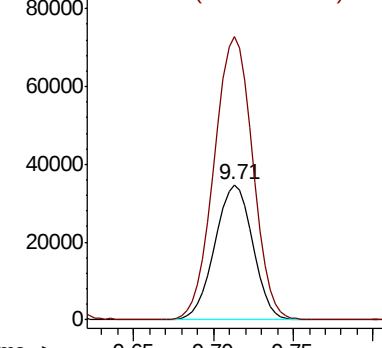
Ion Ratio Lower Upper

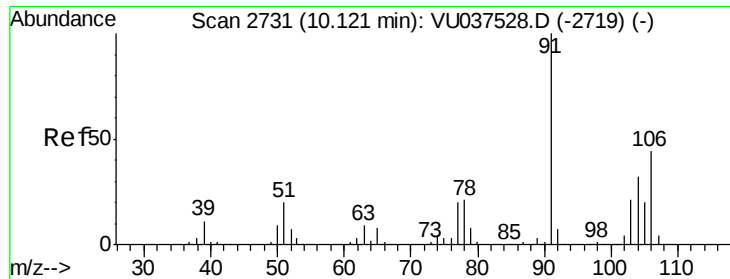
106 100

91 209.8 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU037528.D (-2591) (-)

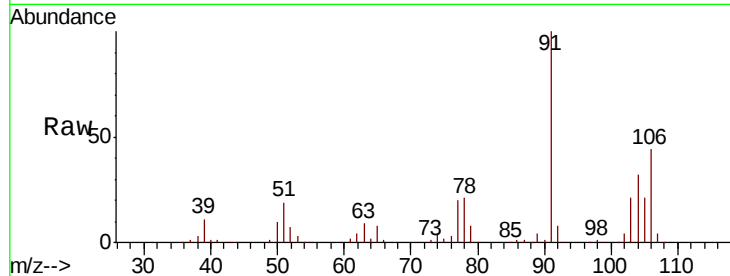




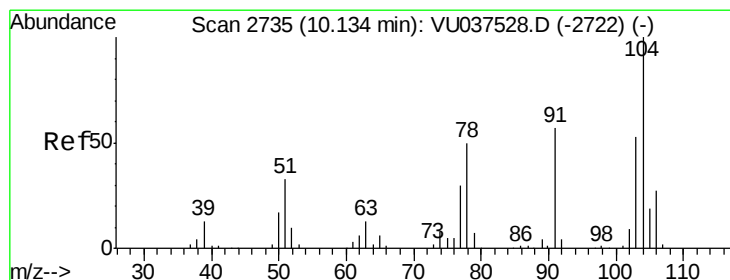
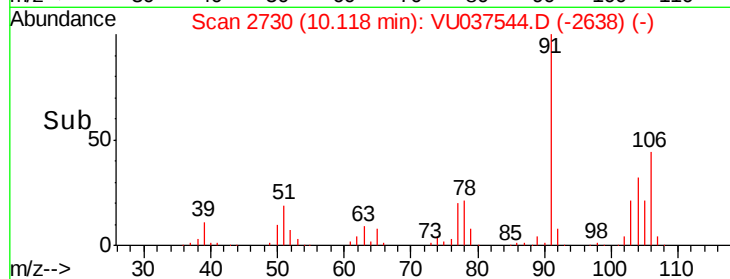
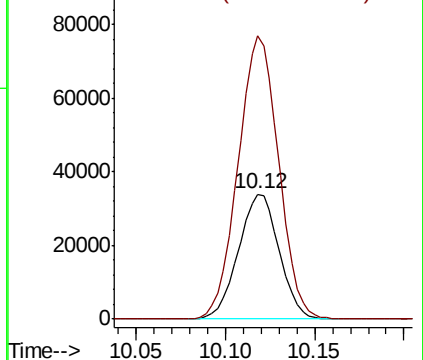
#54
o-Xylene
Concen: 4.840 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 53900
Ion Ratio Lower Upper
106 100
91 226.8 156.8 291.2

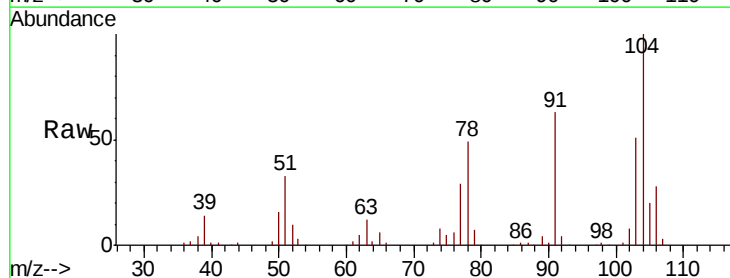


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

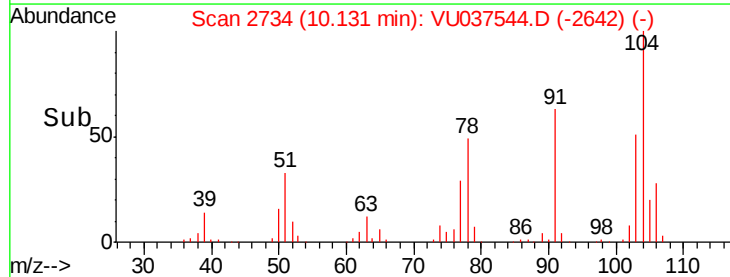
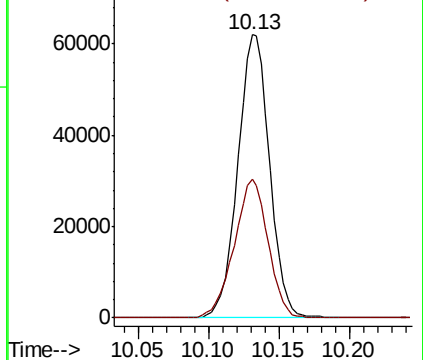


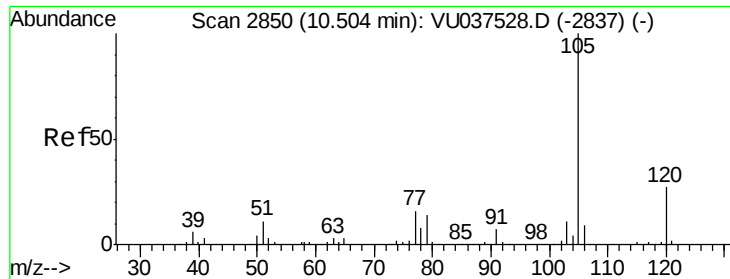
#55
Styrene
Concen: 5.082 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037544.D
Acq: 02 Apr 2020 00:57

Tgt Ion:104 Resp: 97753
Ion Ratio Lower Upper
104 100
78 49.2 36.1 67.1



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





#56

Isopropylbenzene

Concen: 4.949 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

ClientSampleId :

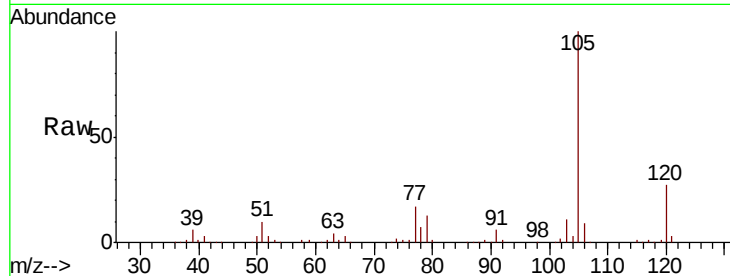
Tot Ion:105 Resp: 150092

Ion Ratio Lower Upper

105 100

120 26.3 20.6 31.0

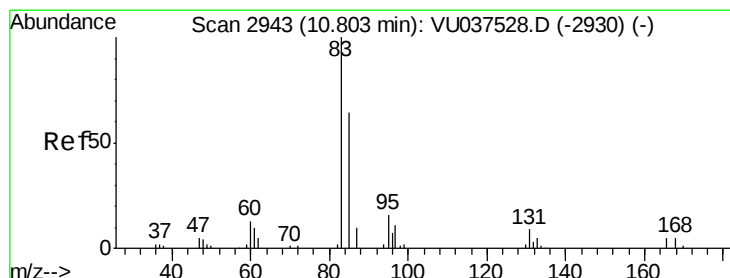
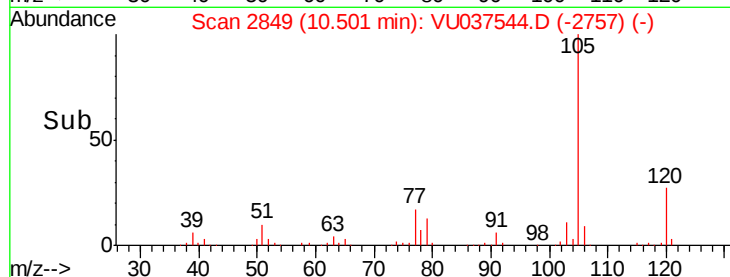
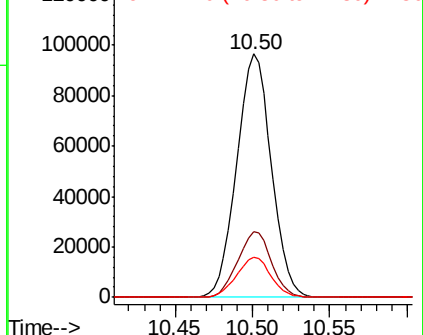
77 16.4 13.5 20.3



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: 4.883 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

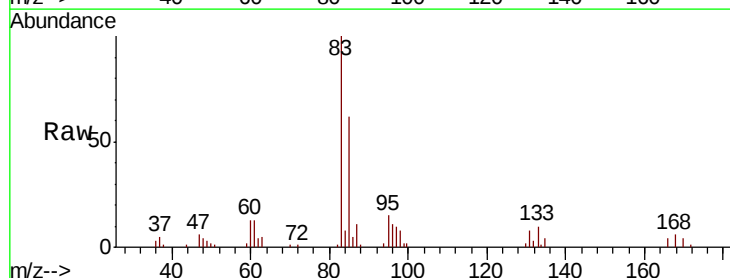
Tgt Ion: 83 Resp: 31495

Ion Ratio Lower Upper

83 100

85 62.5 45.2 84.0

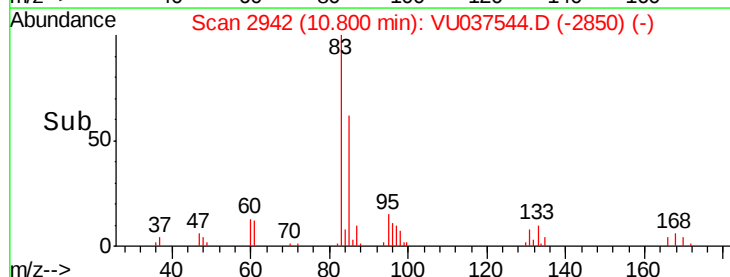
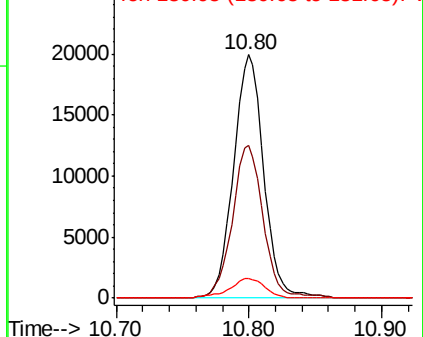
131 8.1 6.6 9.8

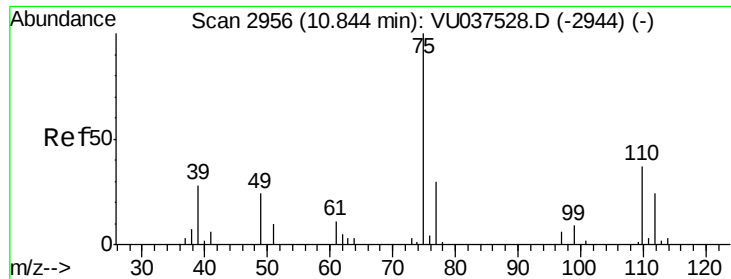


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.946 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

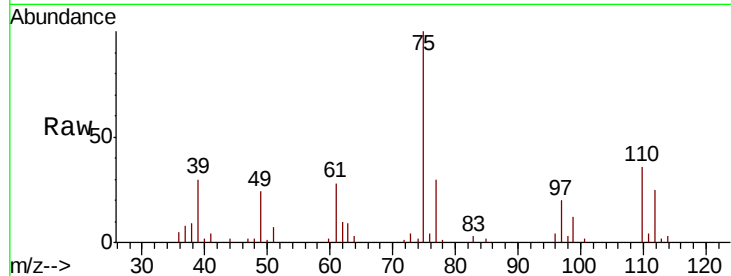
ClientSampleId :

Tot Ion: 75 Resp: 22234

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU037528.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU037528.D (-2944) (-)

10.84

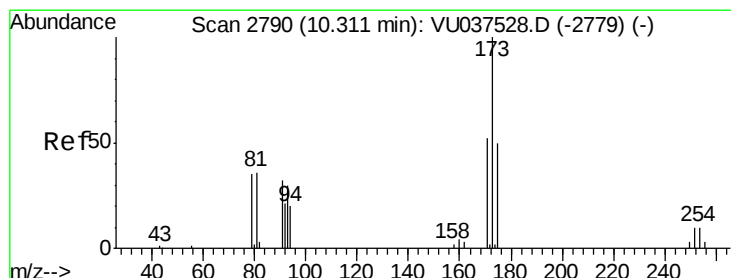
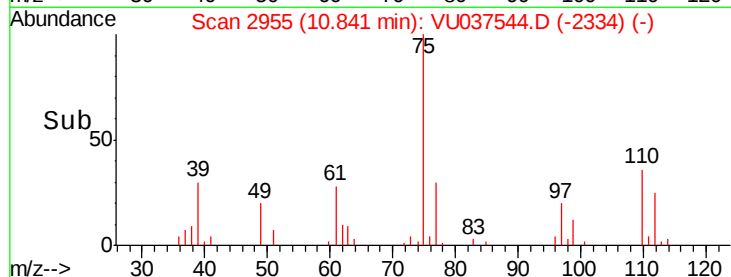
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.002 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

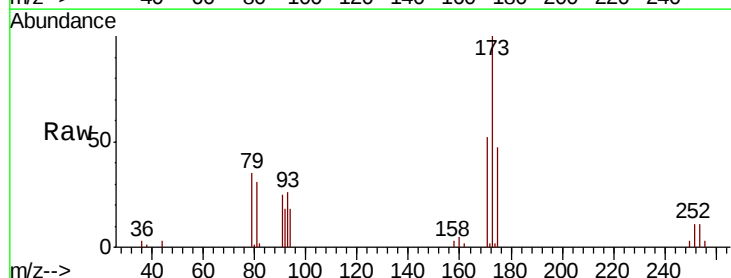
Tgt Ion:173 Resp: 16693

Ion Ratio Lower Upper

173 100

175 47.7 37.2 55.8

254 9.7 7.7 11.5



Abundance Ion 172.90 (172.60 to 173.60): VU037528.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU037528.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU037528.D (-2779) (-)

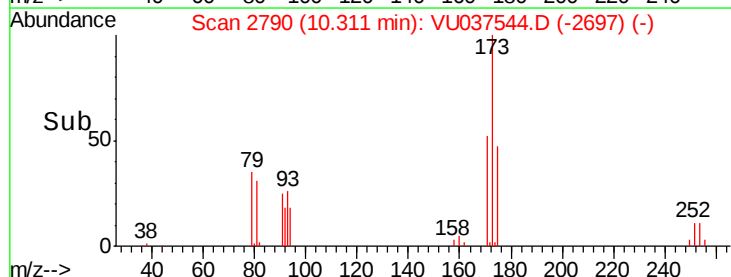
10.31

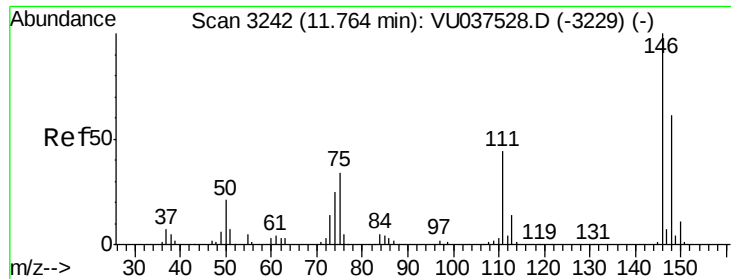
10000

5000

0

Time-->

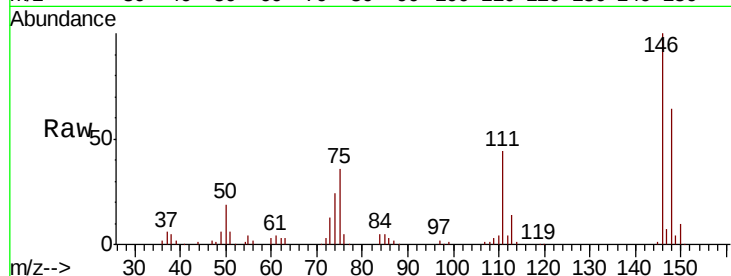




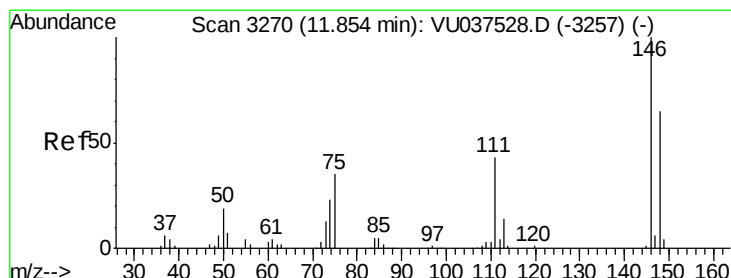
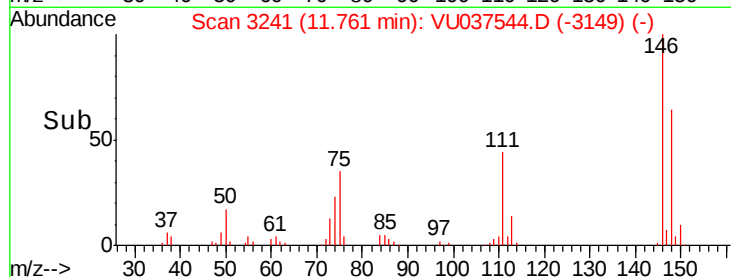
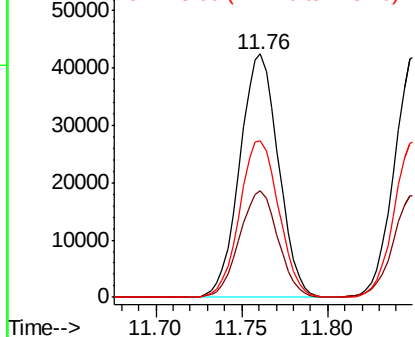
#62
 1,3-Dichlorobenzene
 Concen: 4.957 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 66464
 Ion Ratio Lower Upper
 146 100
 111 43.8 29.8 55.4
 148 64.3 45.2 84.0

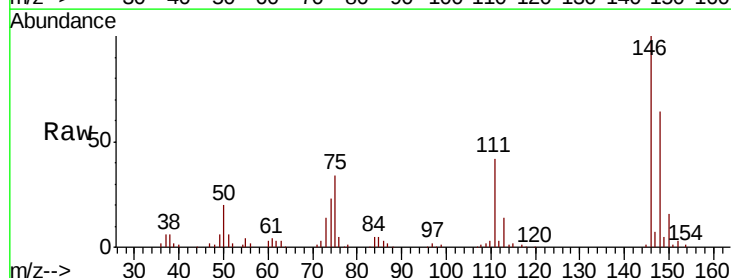


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

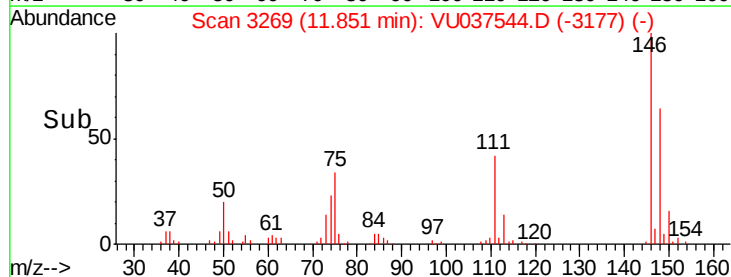
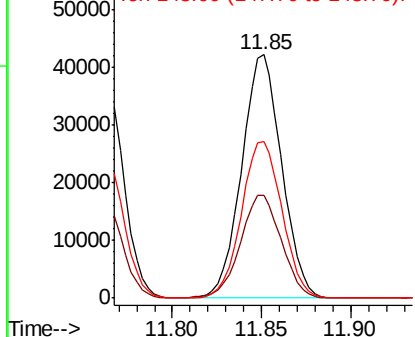


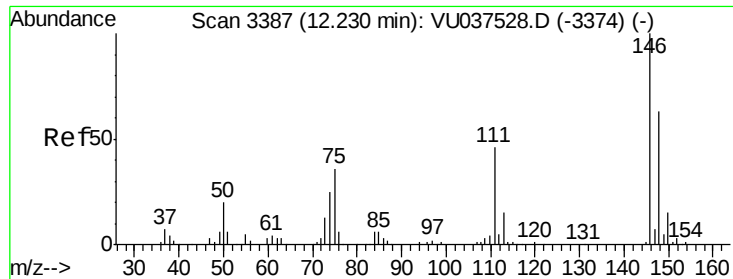
#63
 1,4-Dichlorobenzene
 Concen: 4.872 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Tgt Ion:146 Resp: 66407
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.9 55.5
 148 64.2 45.6 84.8



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

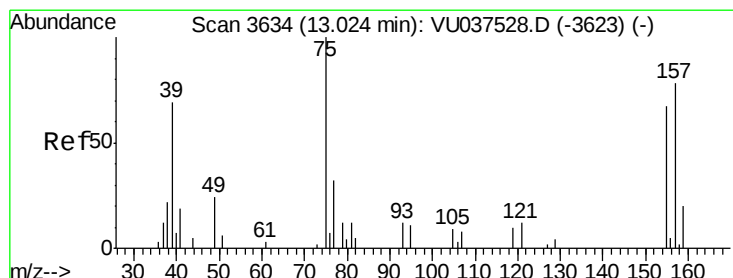
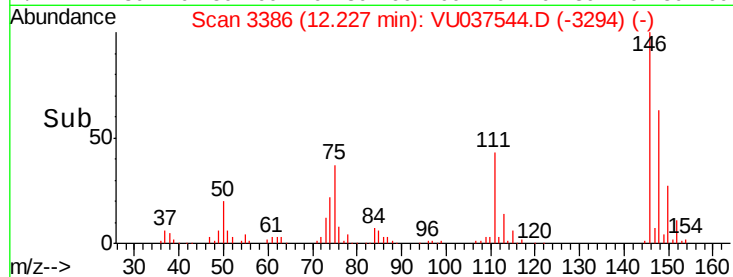
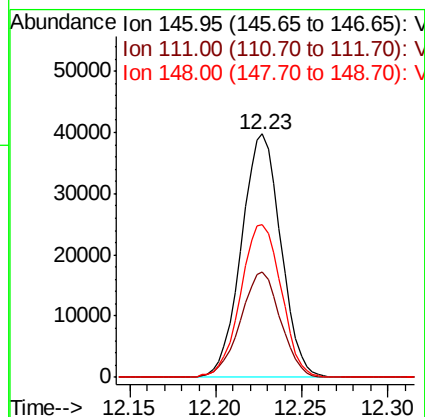
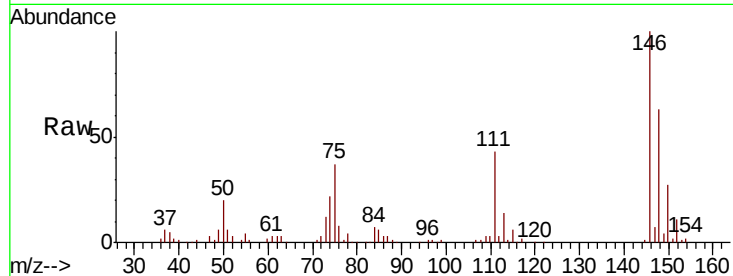




#65
 1,2-Dichlorobenzene
 Concen: 4.930 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

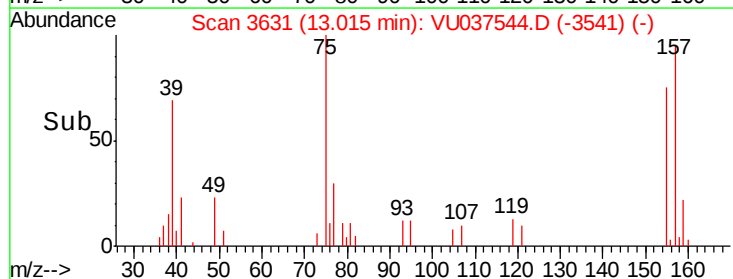
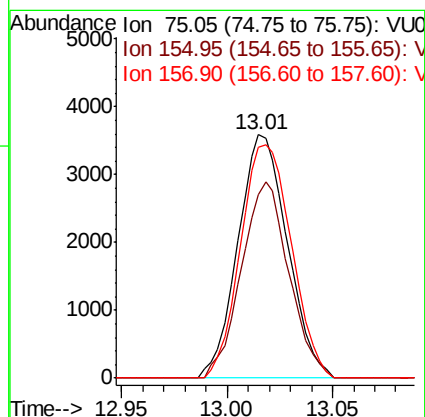
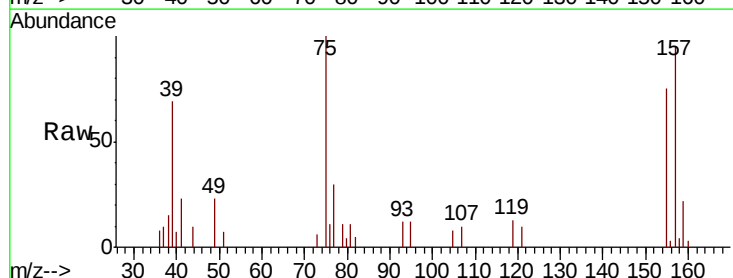
Instrument :
 MSVOA_U
 ClientSampled :

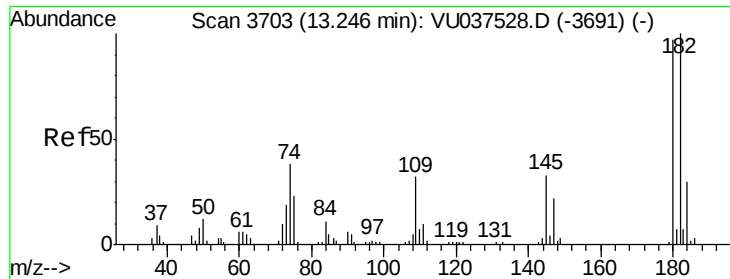
Tot Ion:146 Resp: 63244
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.2 51.4
 148 62.8 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.735 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Tgt Ion: 75 Resp: 5836
 Ion Ratio Lower Upper
 75 100
 155 75.4 51.0 76.4
 157 94.8 72.0 108.0

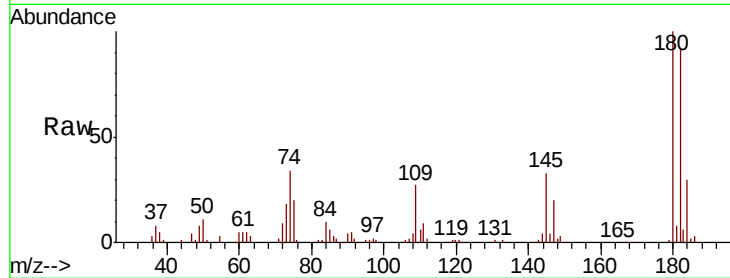




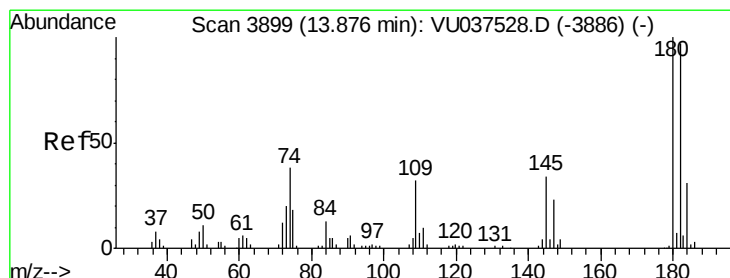
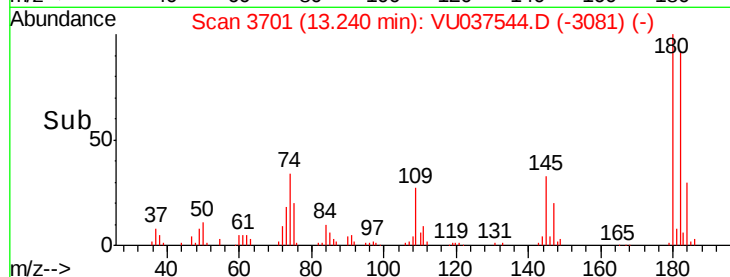
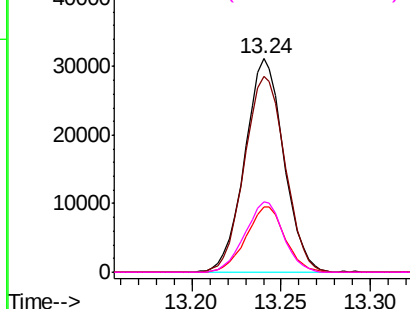
#67
 1,3,5-Trichlorobenzene
 Concen: 4.905 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 47462
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.9 116.9
 184 30.6 25.0 37.6
 145 32.3 27.0 40.4

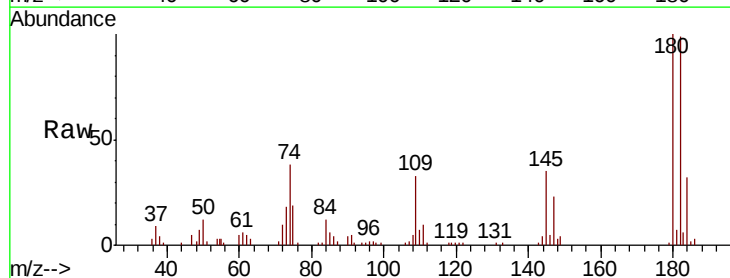


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

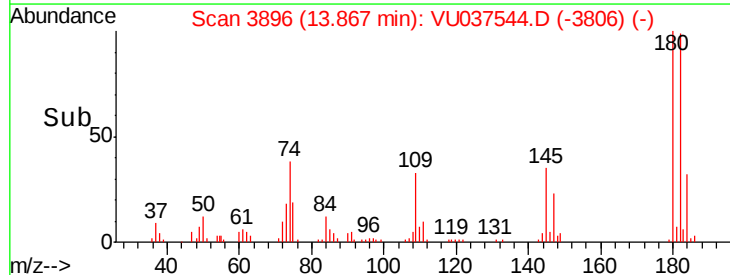
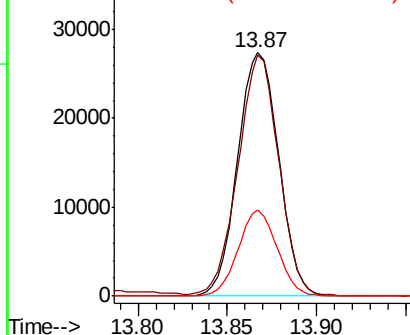


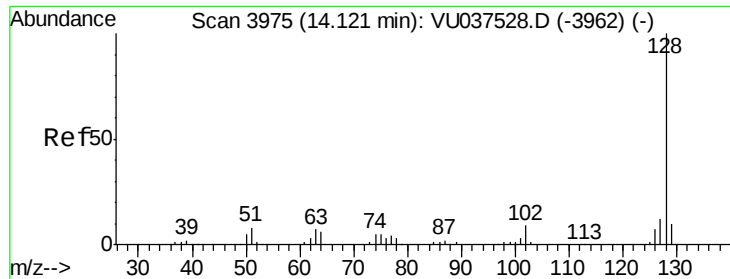
#68
 1,2,4-trichlorobenzene
 Concen: 4.896 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037544.D
 Acq: 02 Apr 2020 00:57

Tgt Ion:180 Resp: 44074
 Ion Ratio Lower Upper
 180 100
 182 98.4 77.4 116.2
 145 33.5 27.5 41.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 7.097 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

Instrument :

MSVOA_U

ClientSampleId :

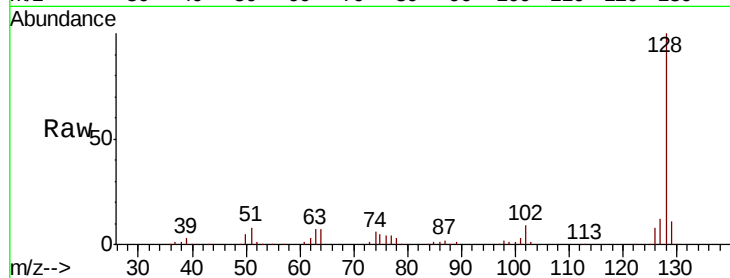
Tot Ion:128 Resp: 142157

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

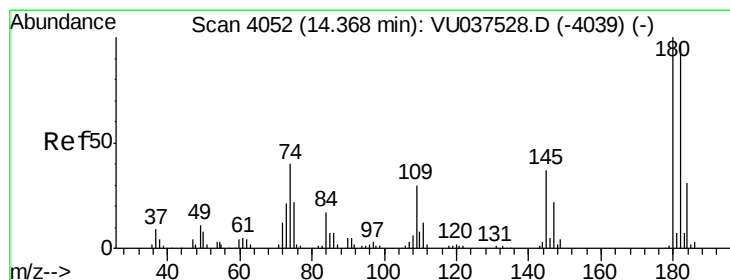
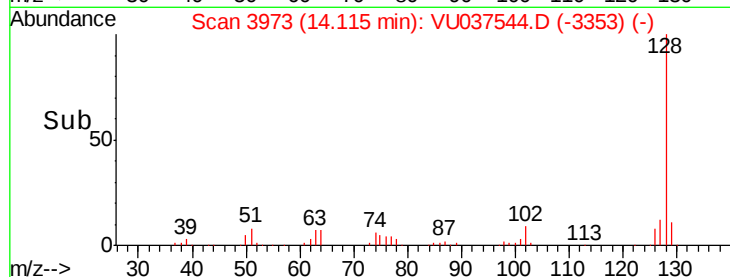
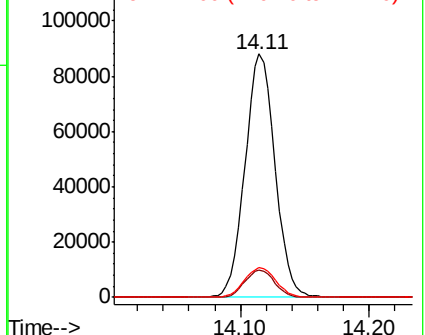
127 12.9 10.4 15.6



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: 5.005 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU037544.D

Acq: 02 Apr 2020 00:57

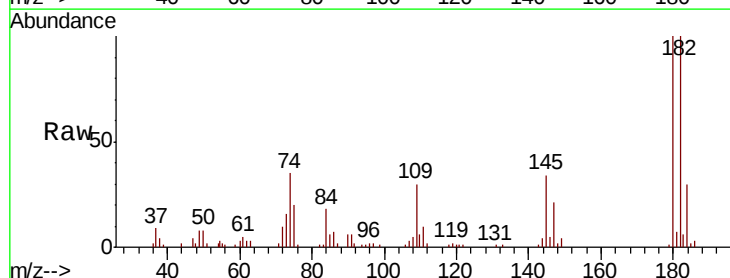
Tgt Ion:180 Resp: 39972

Ion Ratio Lower Upper

180 100

182 100.4 78.7 118.1

145 34.4 30.2 45.2



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

