

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\
 Data File : VU037518.D
 Acq On : 01 Apr 2020 00:29
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 01 01:29:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 01:25:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	91031	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	85282	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	42169	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31210	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.93	69	26628	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.59	63	58834	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.67	46	94575	46.18	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.36%
24) Chloroform-d	5.10	84	58141	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.74	65	32892	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.76	84	116631	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.72	67	40411	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.92	98	105771	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.20	79	17003	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.65	63	78853	46.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	33734	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	37116	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	32414	4.708	ug/L	98
3) Chloromethane	1.54	50	36903	5.343	ug/L	98
5) Vinyl chloride	1.62	62	35900	4.817	ug/L	96
6) Bromomethane	1.87	94	15482	4.084	ug/L	95
8) Chloroethane	1.95	64	20253	4.742	ug/L	98
9) Trichlorofluoromethane	2.16	101	50597	4.879	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	29835	4.975	ug/L	96
12) 1,1-Dichloroethene	2.60	96	28387	4.653	ug/L	89
13) Acetone	2.66	43	50848	43.869	ug/L	100
14) Carbon disulfide	2.82	76	94767	4.665	ug/L	100
15) Methyl Acetate	2.98	43	14775	4.680	ug/L	99
16) Methylene chloride	3.08	84	32782	4.814	ug/L	95
17) Methyl tert-butyl Ether	3.40	73	81215	4.820	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	30552	4.792	ug/L	97
19) 1,1-Dichloroethane	3.91	63	59005	4.901	ug/L	97
21) 2-Butanone	4.75	43	94599	46.403	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	33927	4.785	ug/L	96

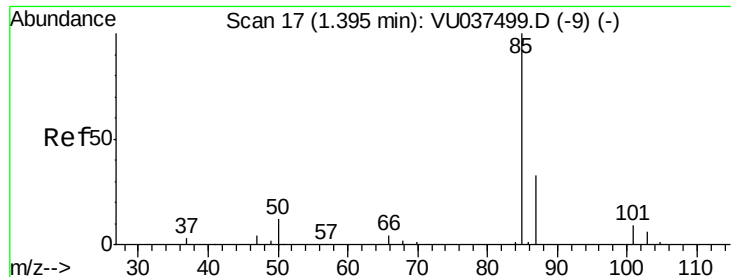
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\
 Data File : VU037518.D
 Acq On : 01 Apr 2020 00:29
 Operator : JC/MD
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 01:25:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	13372	4.571	ug/L	95
25) Chloroform	5.13	83	59121	4.852	ug/L	97
27) 1,2-Dichloroethane	5.83	62	38336	4.649	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	52329	4.836	ug/L	98
30) Cyclohexane	5.42	56	55612	4.743	ug/L	99
31) Carbon tetrachloride	5.56	117	42403	4.756	ug/L	97
33) Benzene	5.81	78	128175	4.826	ug/L	100
34) Trichloroethene	6.57	95	33576	4.747	ug/L	97
35) Methylcyclohexane	6.79	83	54447	4.701	ug/L	98
37) 1,2-Dichloropropane	6.82	63	34869	4.952	ug/L	99
38) Bromodichloromethane	7.13	83	44330	4.764	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	53473	4.886	ug/L	95
40) 4-Methyl-2-pentanone	7.82	43	243365	46.384	ug/L	99
42) Toluene	8.00	91	137689	4.917	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	47041	4.848	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	24446	4.867	ug/L	96
47) Tetrachloroethene	8.57	164	22608	4.871	ug/L	96
48) 2-Hexanone	8.71	43	174290	46.029	ug/L	99
49) Dibromochloromethane	8.83	129	28513	4.637	ug/L	91
50) 1,2-Dibromoethane	8.95	107	24172	4.845	ug/L	85
51) Chlorobenzene	9.47	112	84200	4.825	ug/L	99
52) Ethylbenzene	9.59	91	156708	4.816	ug/L	100
53) m,p-Xylene	9.71	106	57945	4.790	ug/L	97
54) o-Xylene	10.12	106	57251	4.993	ug/L	96
55) Styrene	10.13	104	97802	4.900	ug/L	96
56) Isopropylbenzene	10.50	105	152468	4.926	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	31877	4.672	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	22481	4.643	ug/L	99
61) Bromoform	10.31	173	15740	4.459	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	65110	4.676	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	66648	4.728	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	62556	4.774	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.02	75	6260	4.585	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	45962	4.717	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	43889	4.660	ug/L	95
69) Naphthalene	14.11	128	121762	5.667	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	39319	4.735	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.708 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

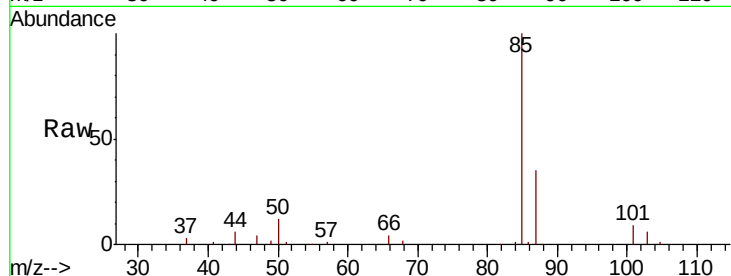
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 32414

Ion Ratio Lower Upper

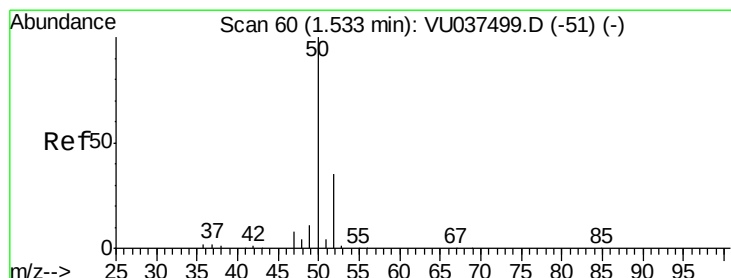
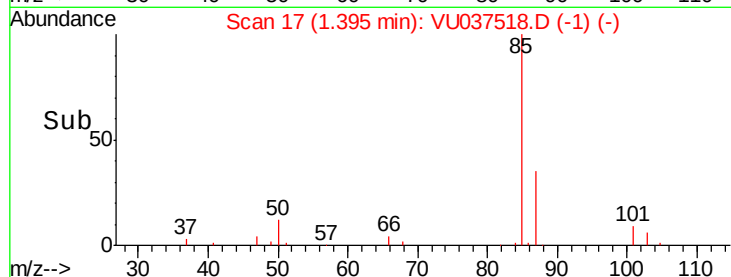
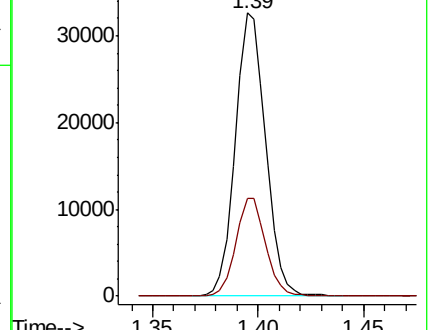
85 100

87 33.9 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU037499.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037499.D (-9) (-)



#3

Chloromethane

Concen: 5.343 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037518.D

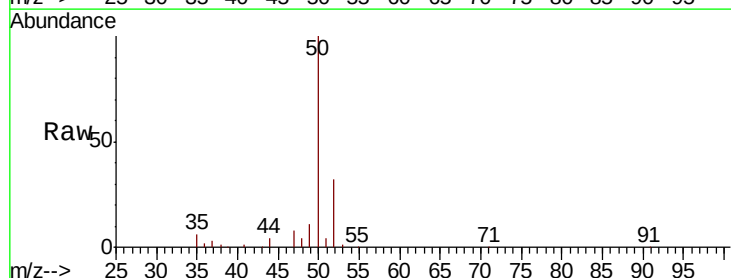
Acq: 01 Apr 2020 00:29

Tgt Ion: 50 Resp: 36903

Ion Ratio Lower Upper

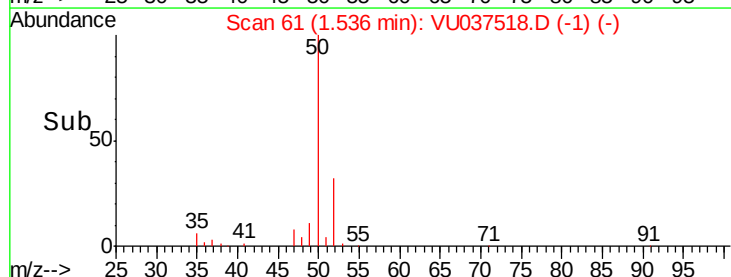
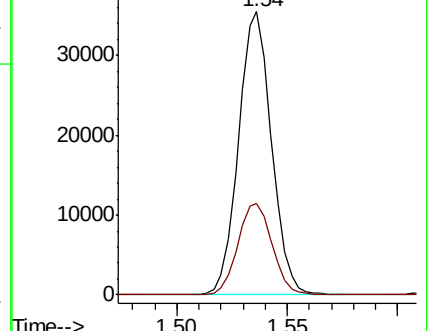
50 100

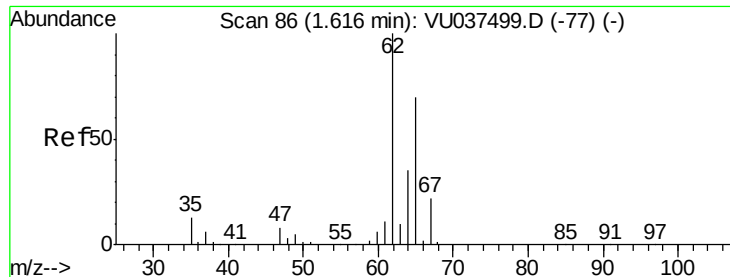
52 32.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU037499.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037499.D (-51) (-)





#5

Vinyl chloride

Concen: 4.817 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

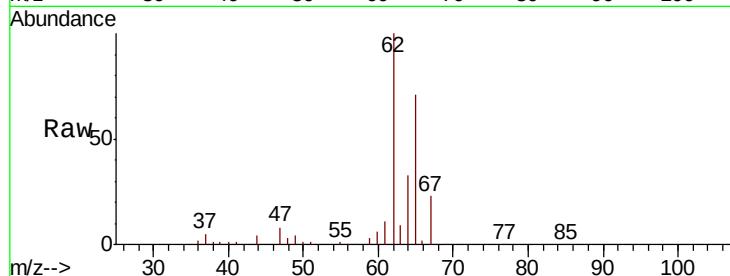
ClientSampleId :

Tot Ion: 62 Resp: 35900

Ion Ratio Lower Upper

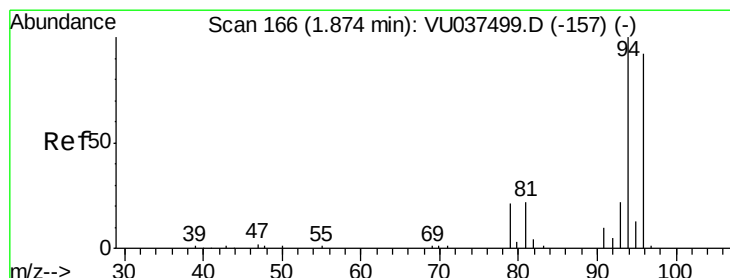
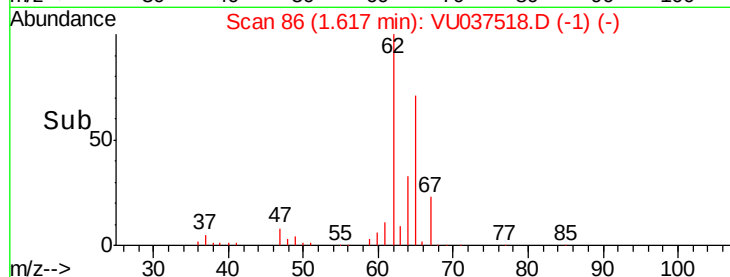
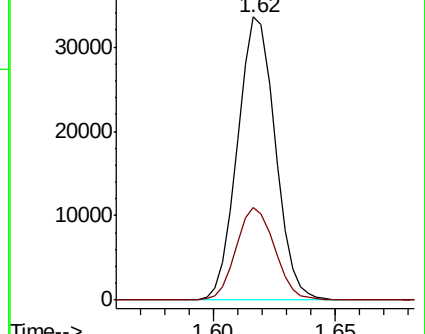
62 100

64 32.9 24.8 46.0



Abundance Ion 62.00 (61.70 to 62.70): VU037499.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037499.D (-77) (-)



#6

Bromomethane

Concen: 4.084 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037518.D

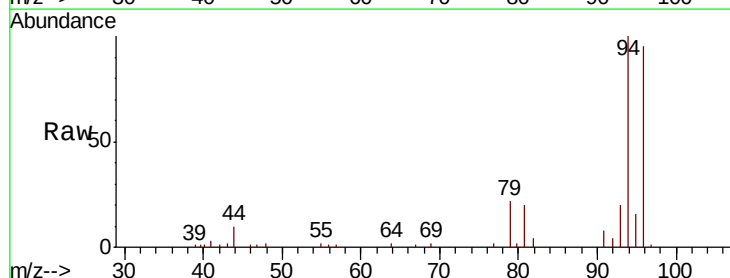
Acq: 01 Apr 2020 00:29

Tgt Ion: 94 Resp: 15482

Ion Ratio Lower Upper

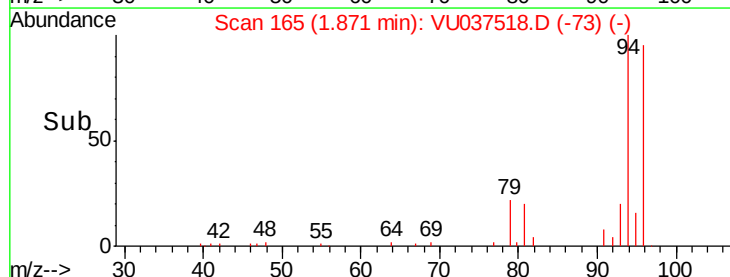
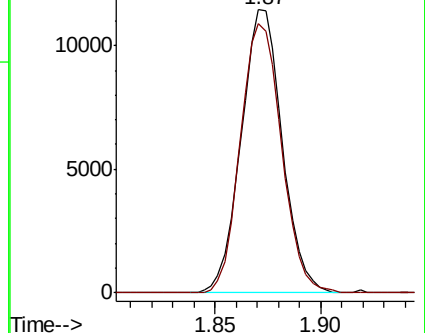
94 100

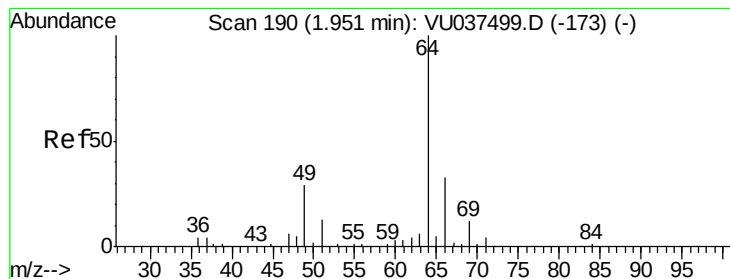
96 95.0 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU037499.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037499.D (-157) (-)





#8

Chloroethane

Concen: 4.742 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

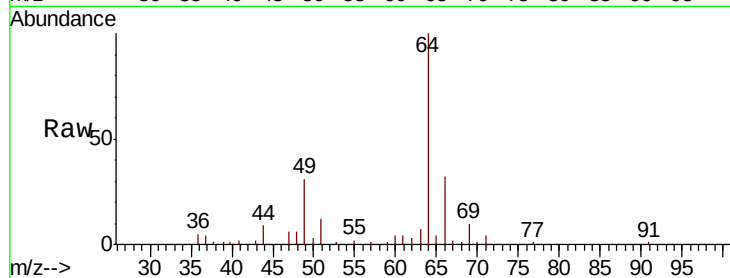
ClientSampled :

Tot Ion: 64 Resp: 20253

Ion Ratio Lower Upper

64 100

66 31.8 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VU037499.D (-173) (-)

Ion 66.05 (65.75 to 66.75): VU037499.D (-173) (-)

1.95

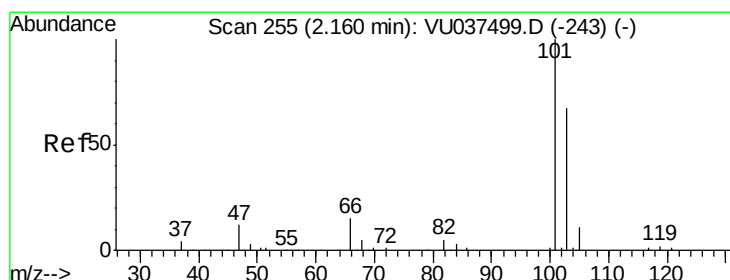
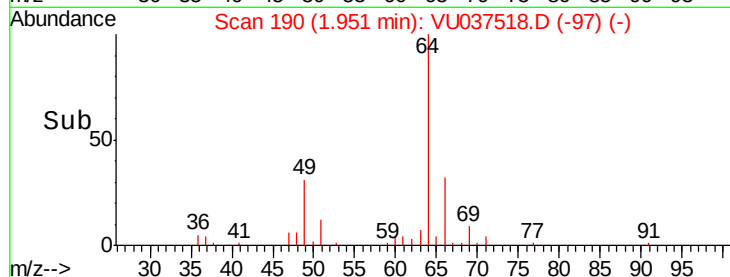
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.879 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037518.D

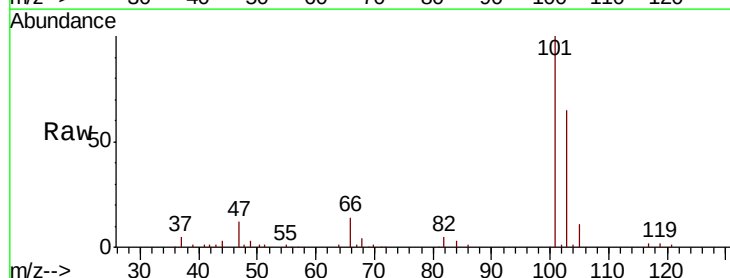
Acq: 01 Apr 2020 00:29

Tgt Ion: 101 Resp: 50597

Ion Ratio Lower Upper

101 100

103 64.5 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU037499.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU037499.D (-243) (-)

2.16

40000

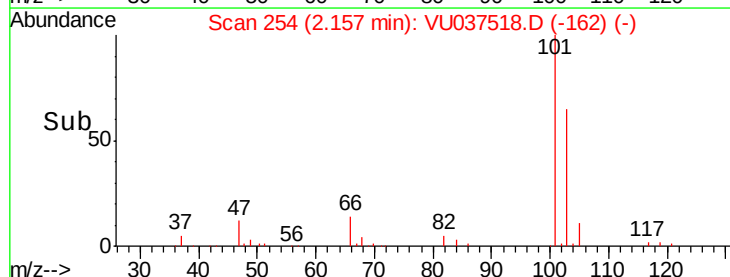
30000

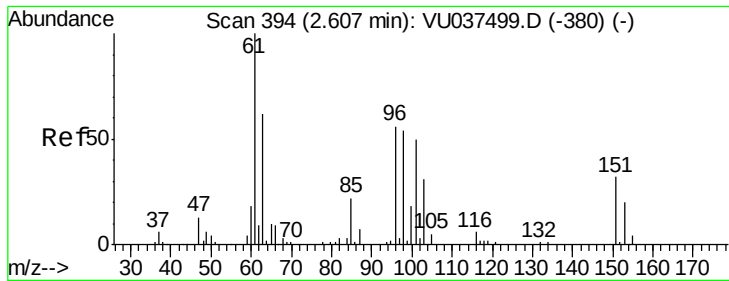
20000

10000

0

Time-->





#10

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

Concen: 4.975 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

ClientSampleId :

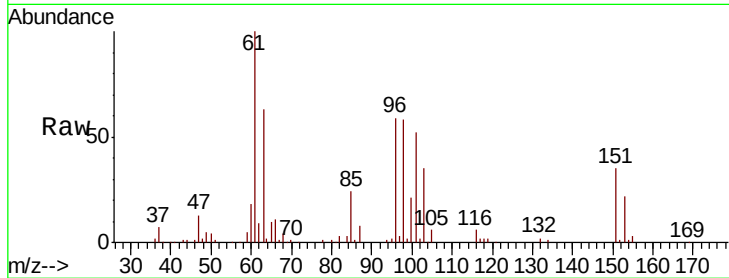
Tot Ion:101 Resp: 29835

Ion Ratio Lower Upper

101 100

85 44.0 36.6 54.8

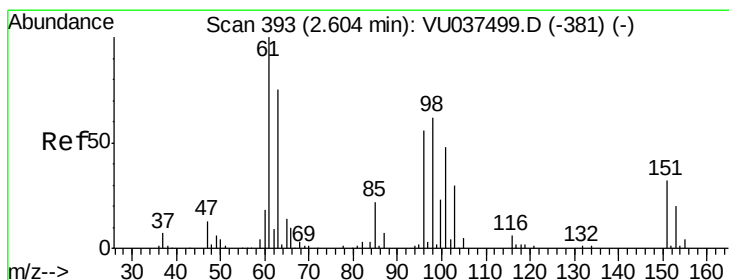
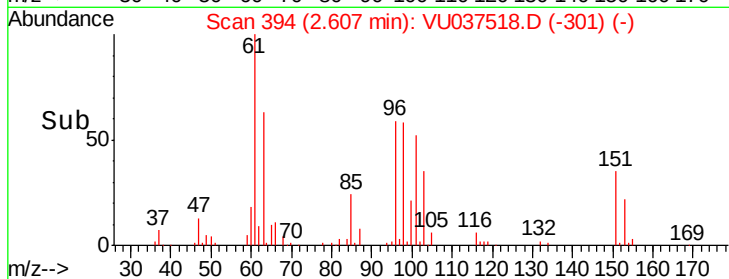
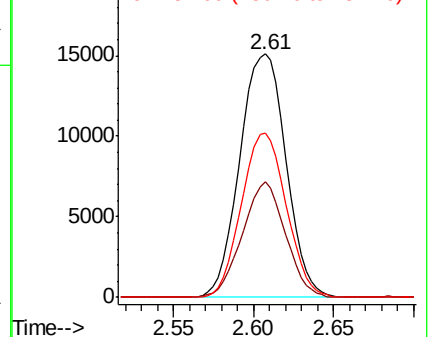
151 65.4 55.9 83.9



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: 4.653 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

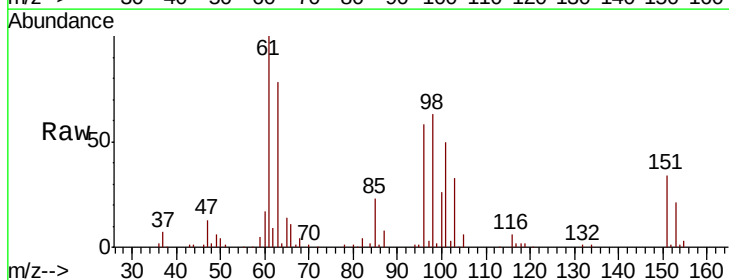
Tgt Ion: 96 Resp: 28387

Ion Ratio Lower Upper

96 100

61 172.3 116.2 215.8

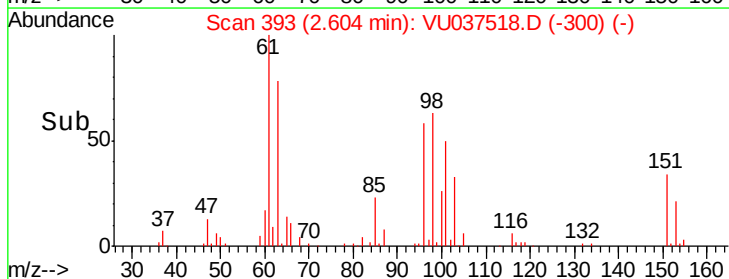
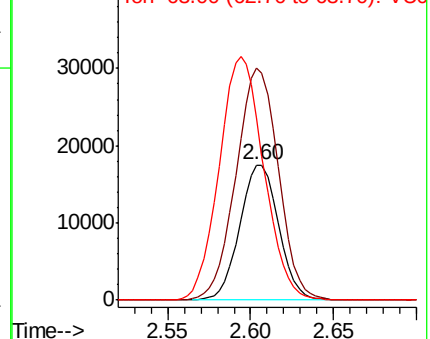
63 134.8 79.2 147.0

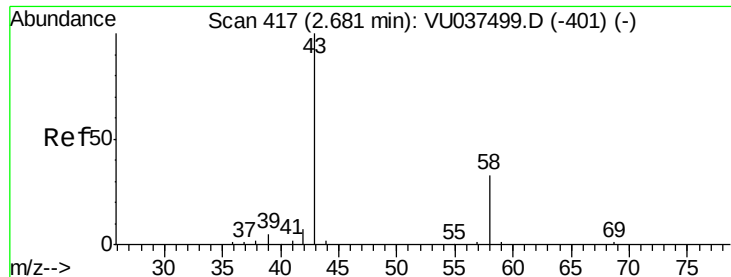


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.869 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

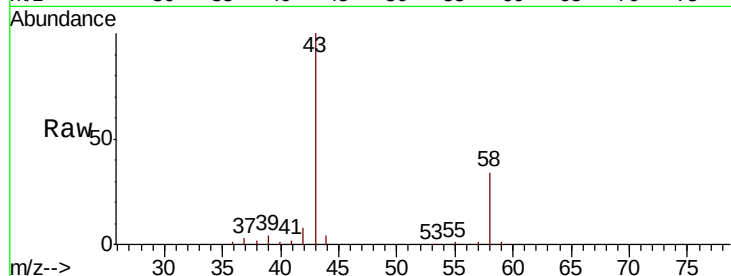
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 50848

Ion Ratio Lower Upper

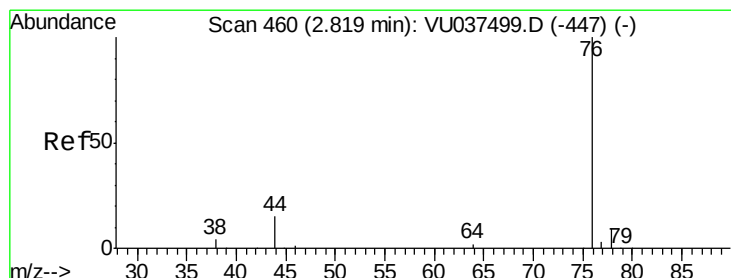
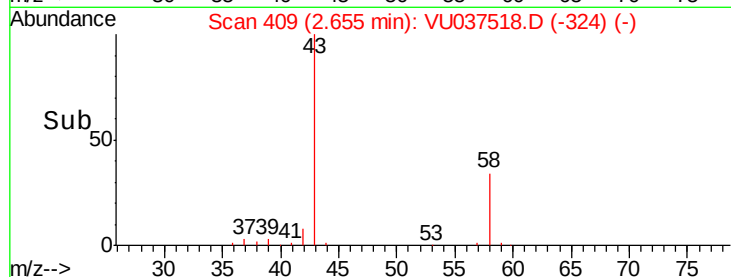
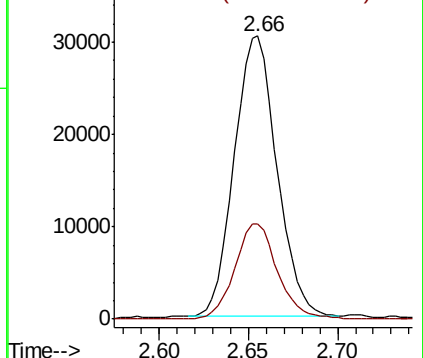
43 100

58 34.0 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037518.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU037518.D (-324) (-)



#14

Carbon disulfide

Concen: 4.665 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037518.D

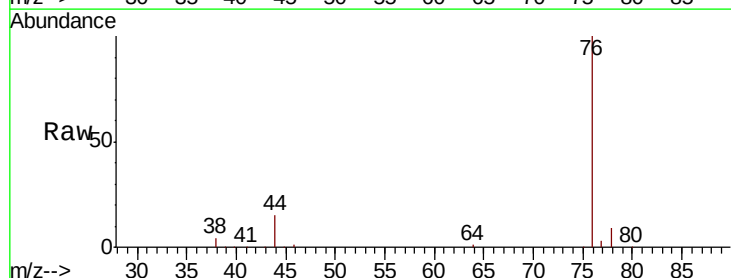
Acq: 01 Apr 2020 00:29

Tgt Ion: 76 Resp: 94767

Ion Ratio Lower Upper

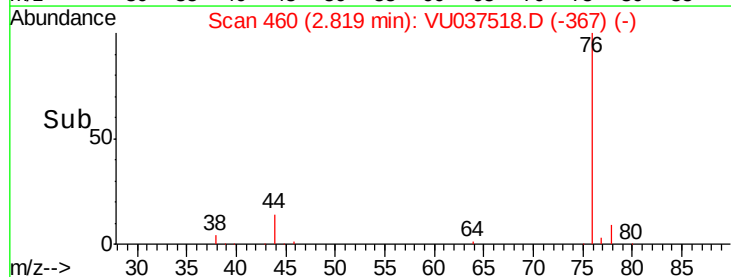
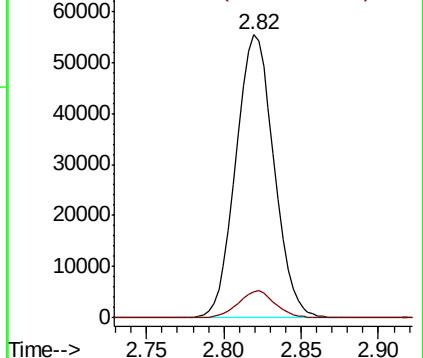
76 100

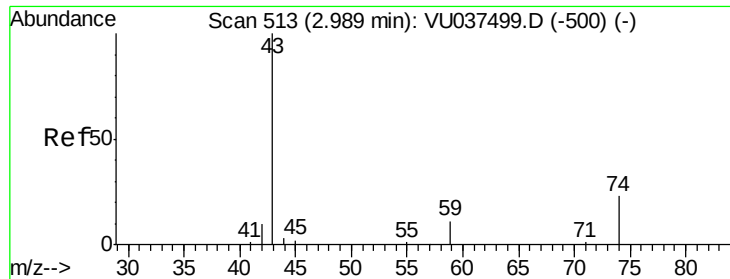
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU037518.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037518.D (-367) (-)

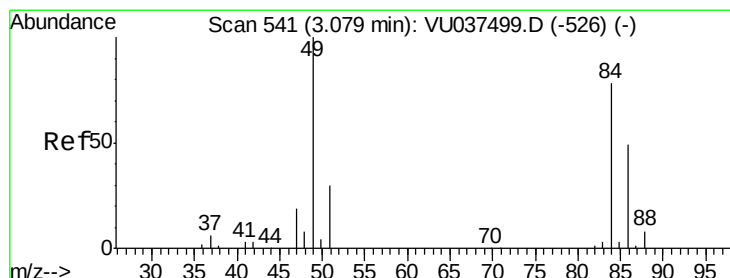
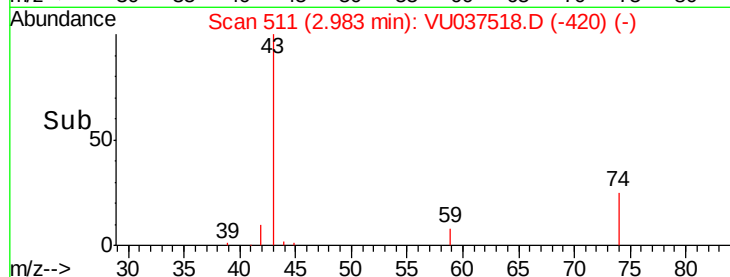
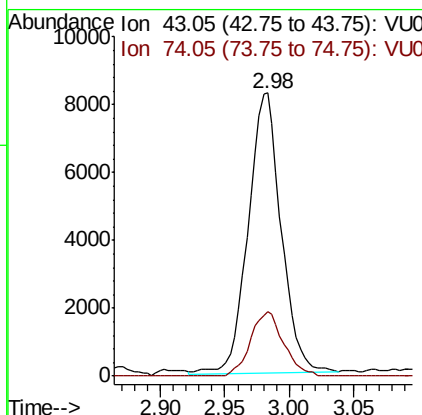
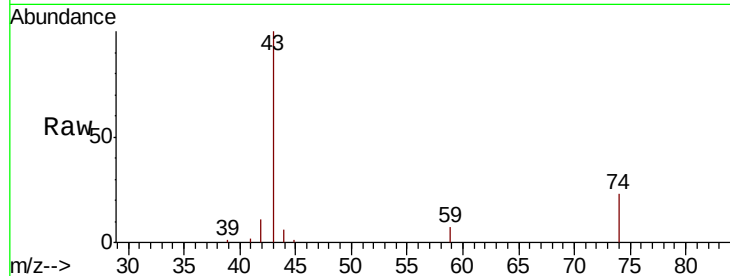




#15
Methvl Acetate
Concen: 4.680 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.01 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

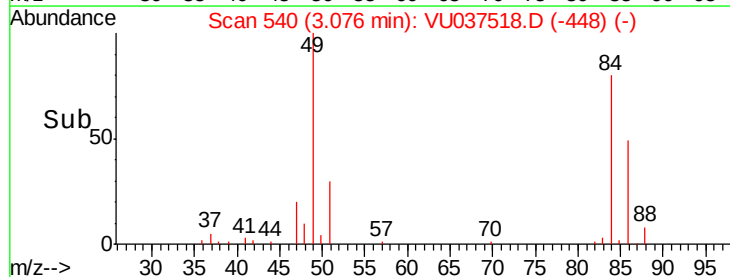
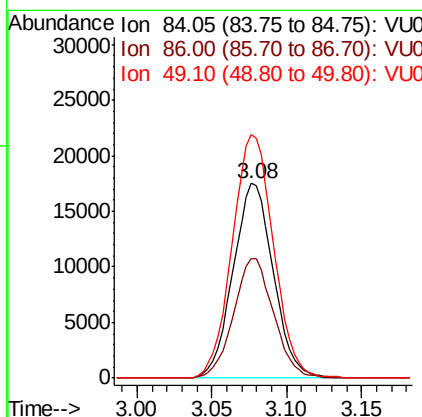
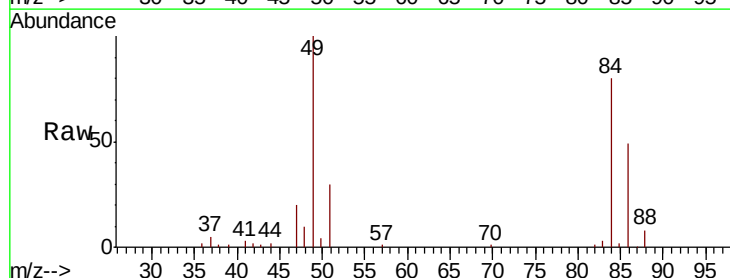
Instrument :
MSVOA_U
ClientSampleId :

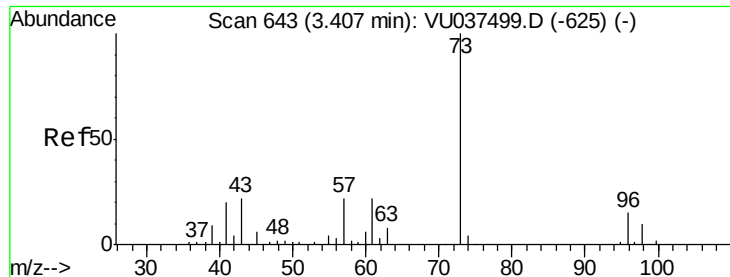
Tot Ion: 43 Resp: 14775
Ion Ratio Lower Upper
43 100
74 23.0 17.9 26.9



#16
Methylene chloride
Concen: 4.814 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

Tgt Ion: 84 Resp: 32782
Ion Ratio Lower Upper
84 100
86 61.5 44.7 82.9
49 125.1 92.7 172.3



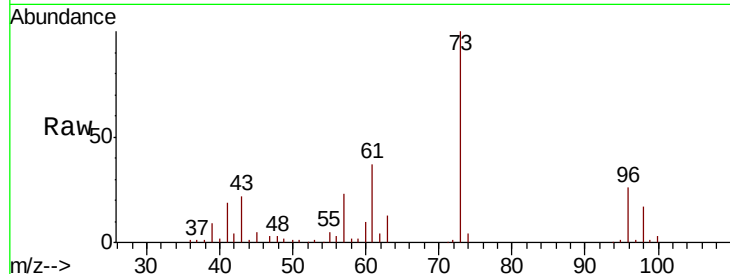


#17

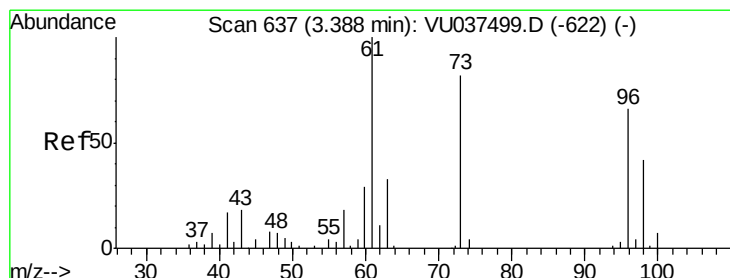
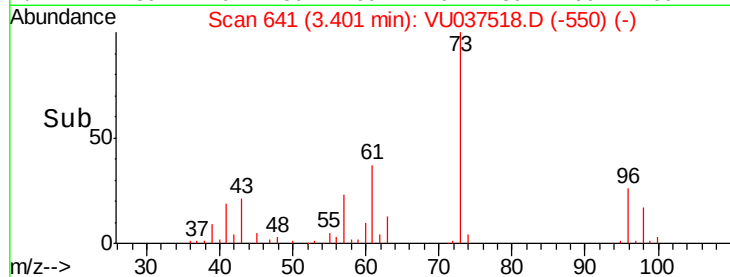
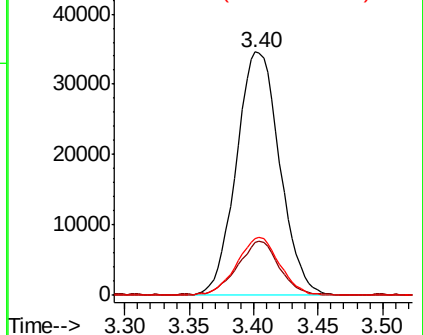
Methyl tert-butyl Ether
 Concen: 4.820 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 81215
 Ion Ratio Lower Upper
 73 100
 43 21.9 17.4 26.2
 57 23.5 19.3 28.9



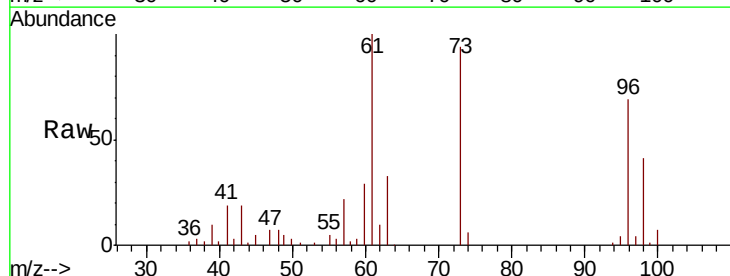
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



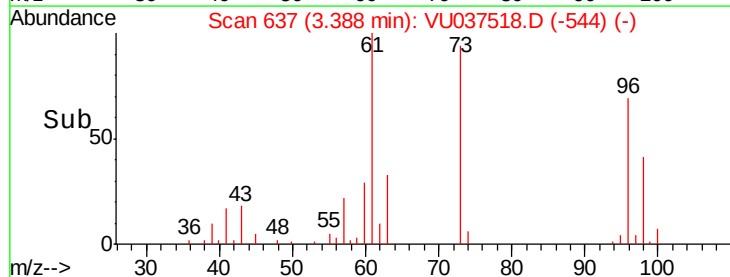
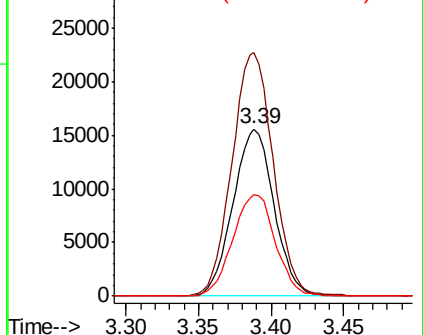
#18

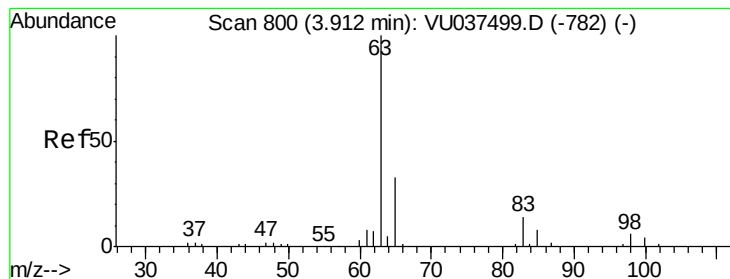
trans-1,2-Dichloroethene
 Concen: 4.792 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Tgt Ion: 96 Resp: 30552
 Ion Ratio Lower Upper
 96 100
 61 145.5 105.3 195.6
 98 60.4 42.3 78.5



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: 4.901 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

ClientSampleId :

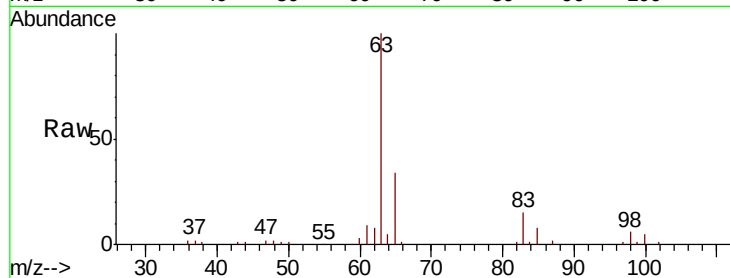
Tot Ion: 63 Resp: 59005

Ion Ratio Lower Upper

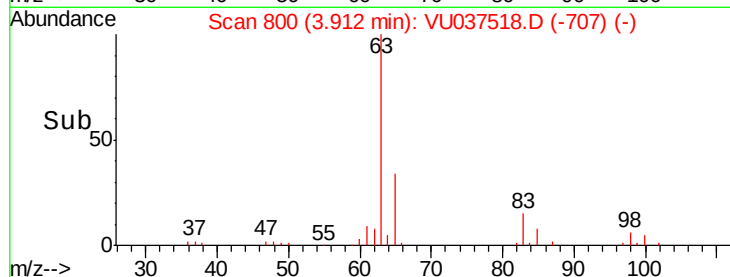
63 100

65 33.5 22.3 41.5

83 15.0 9.2 17.0

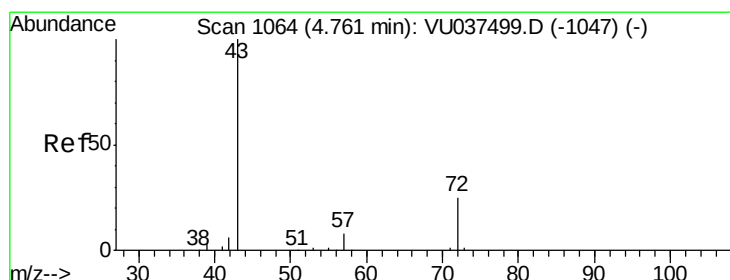
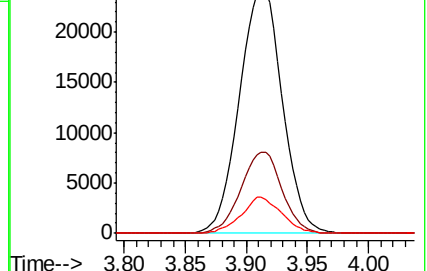


Abundance Ion 63.10 (62.80 to 63.80): VU037518.D (-707) (-)



Ion 65.10 (64.80 to 65.80): VU037518.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU037518.D (-707) (-)



#21

2-Butanone

Concen: 46.403 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.02 min

Lab File: VU037518.D

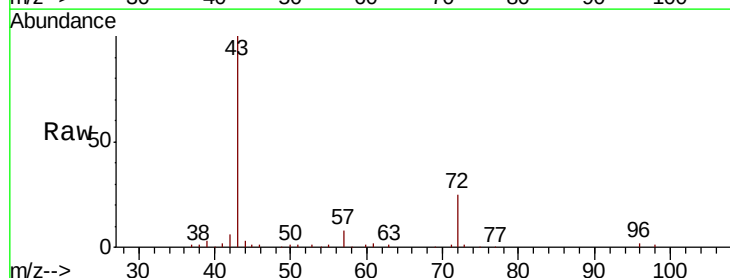
Acq: 01 Apr 2020 00:29

Tgt Ion: 43 Resp: 94599

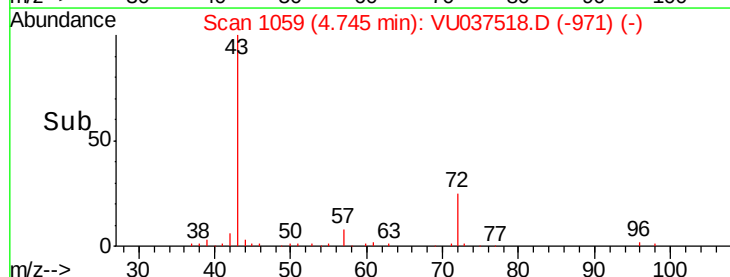
Ion Ratio Lower Upper

43 100

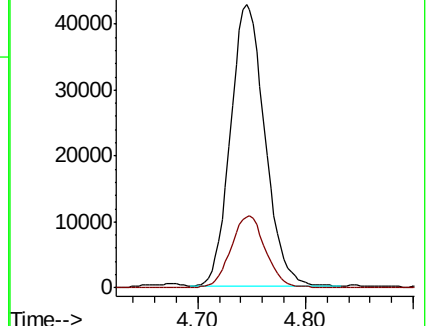
72 26.1 13.7 41.0

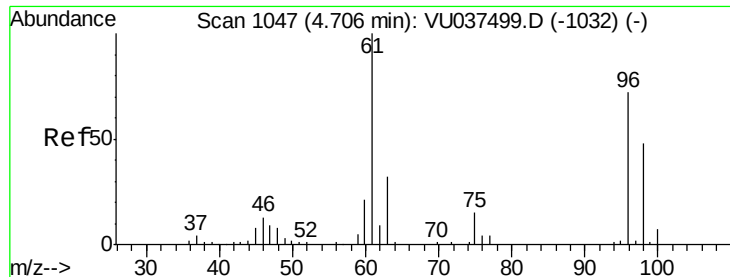


Abundance Ion 43.05 (42.75 to 43.75): VU037518.D (-971) (-)



Ion 72.10 (71.80 to 72.80): VU037518.D (-971) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.785 ug/L

RT: 4.71 min Scan# 1047

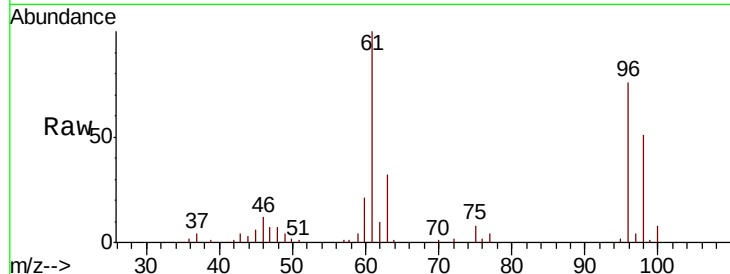
Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :
MSVOA_U
ClientSampled :

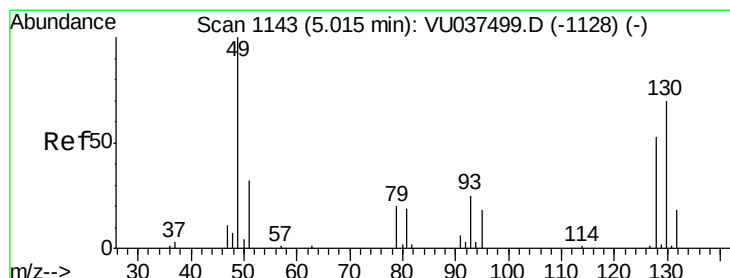
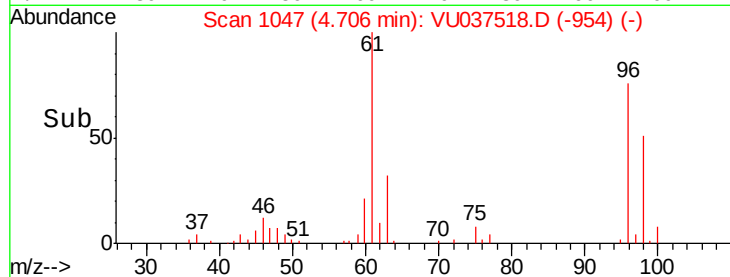
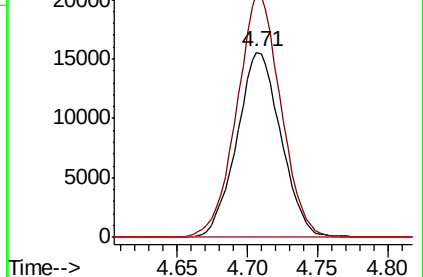
Tot Ion:	96	Resp:	33927
Ion	Ratio	Lower	Upper
96	100		
61	131.8	89.1	165.5
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037518.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037518.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037518.D (-954) (-)



#23

Bromochloromethane

Concen: 4.571 ug/L

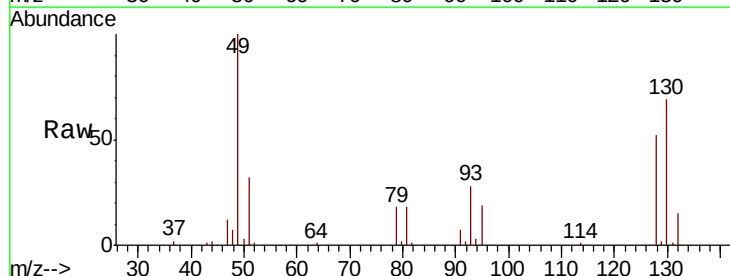
RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Tgt Ion:	128	Resp:	13372
Ion	Ratio	Lower	Upper
128	100		
49	192.9	132.4	245.8
130	134.0	88.6	164.6
51	61.6	45.4	68.0

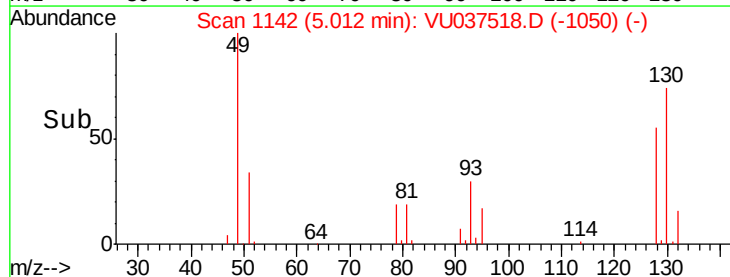
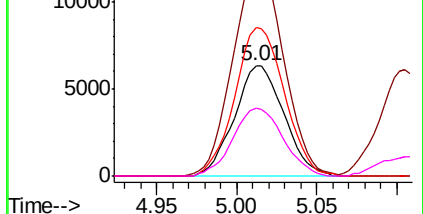


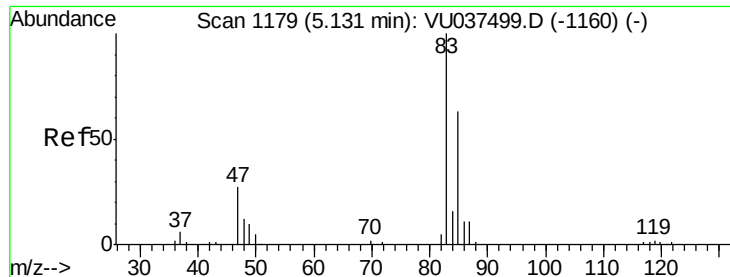
Abundance Ion 127.90 (127.60 to 128.60): VU037518.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU037518.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU037518.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU037518.D (-1050) (-)

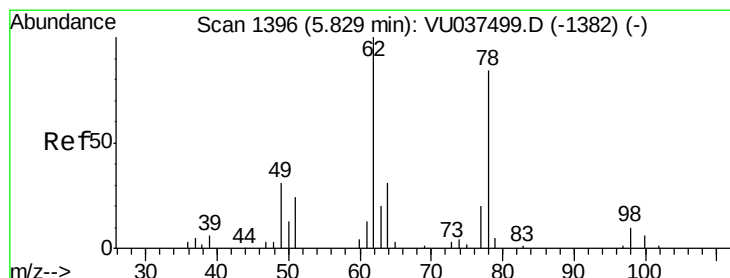
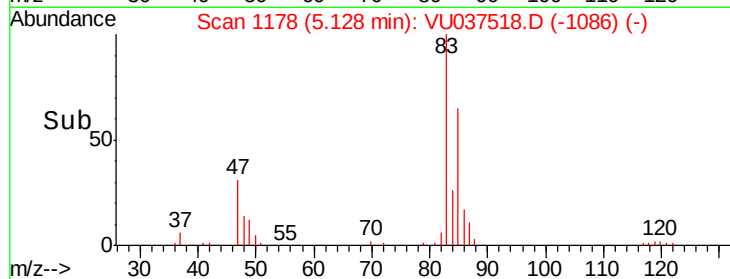
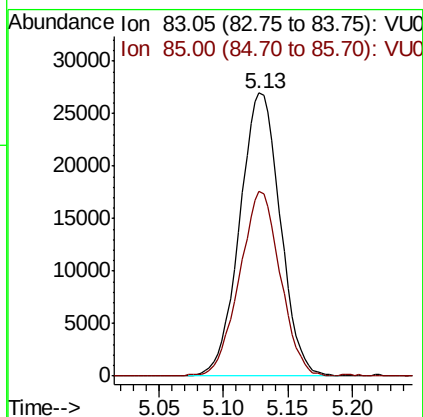
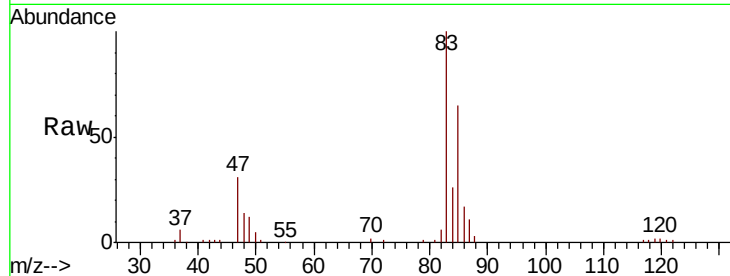




#25
Chloroform
Concen: 4.852 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

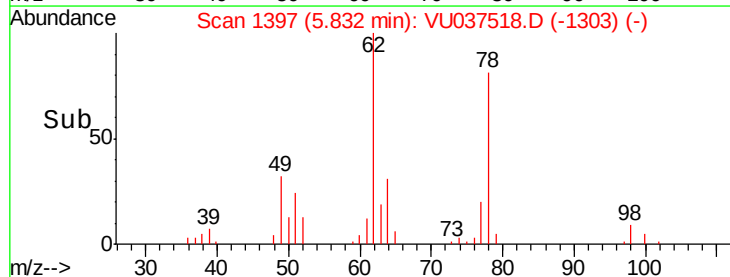
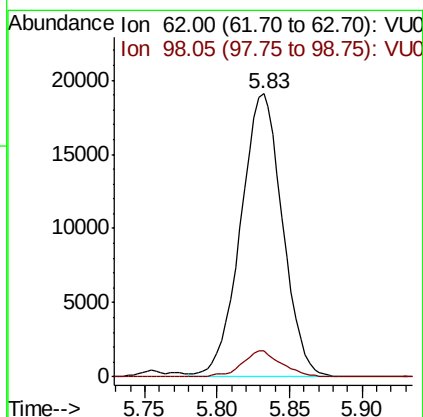
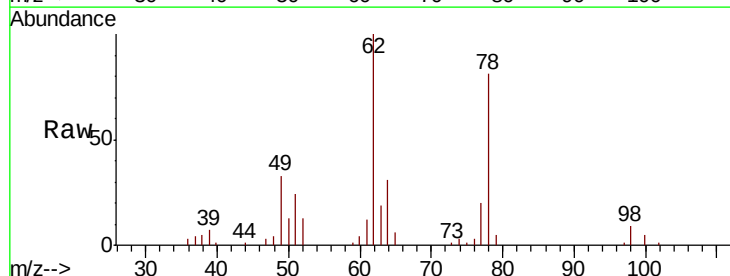
Instrument :
MSVOA_U
ClientSampleId :

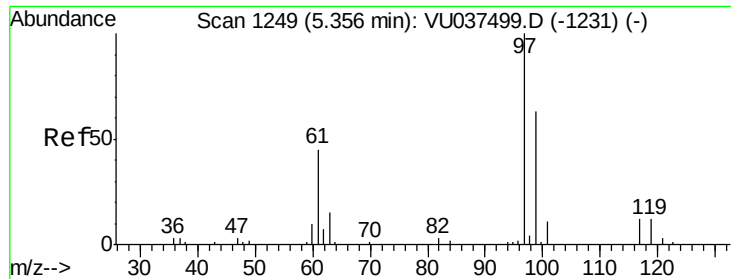
Tot Ion: 83 Resp: 59121
Ion Ratio Lower Upper
83 100
85 65.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.649 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

Tgt Ion: 62 Resp: 38336
Ion Ratio Lower Upper
62 100
98 9.2 6.3 9.5

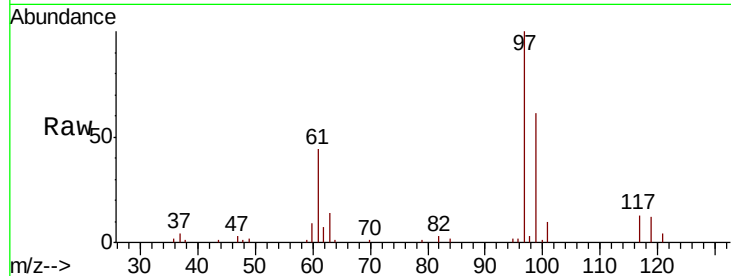




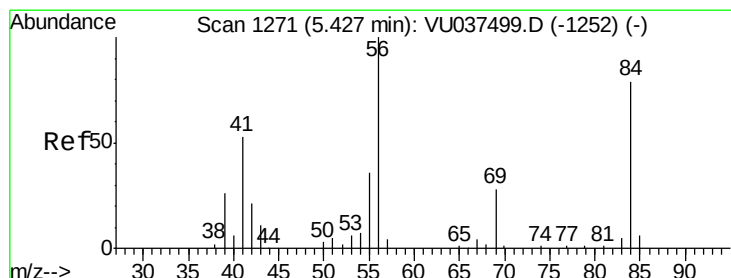
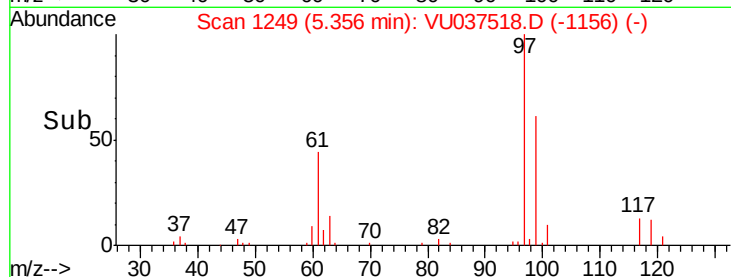
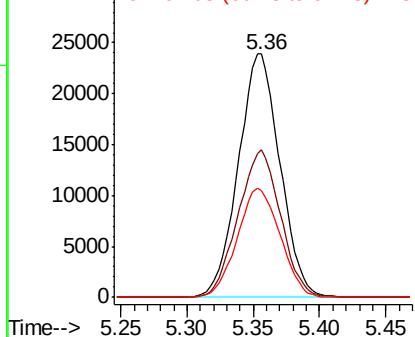
#29
1,1,1-Trichloroethane
Concen: 4.836 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 52329
Ion Ratio Lower Upper
97 100
99 61.6 50.9 76.3
61 45.9 36.5 54.7

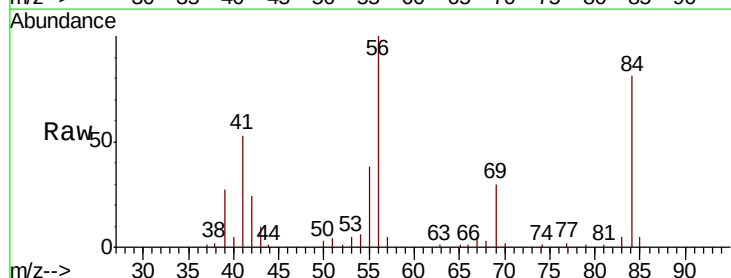


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

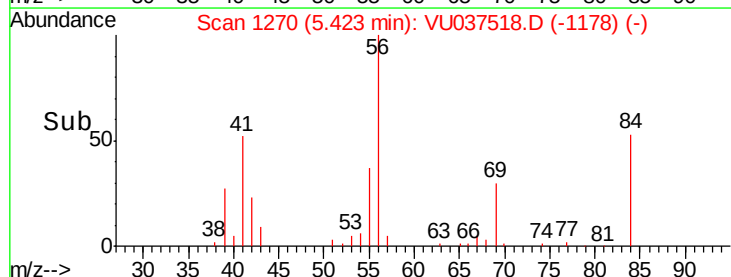
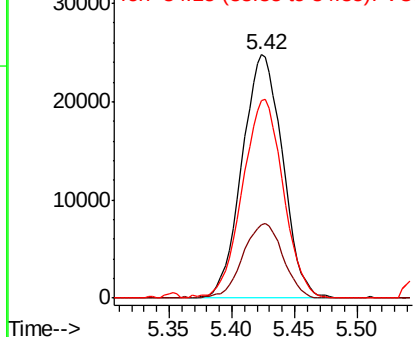


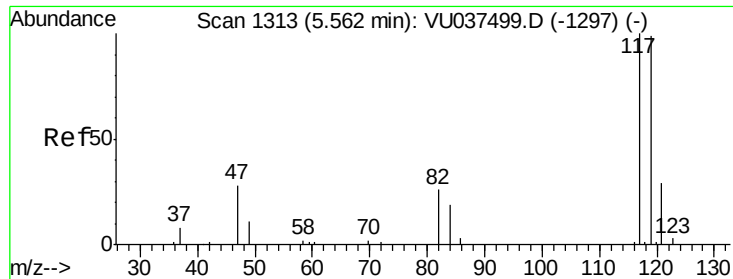
#30
Cyclohexane
Concen: 4.743 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

Tgt Ion: 56 Resp: 55612
Ion Ratio Lower Upper
56 100
69 30.3 24.4 36.6
84 82.3 65.3 97.9



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: 4.756 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

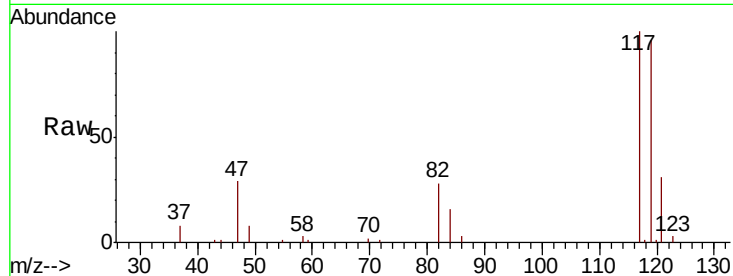
ClientSampleId :

Tot Ion:117 Resp: 42403

Ion Ratio Lower Upper

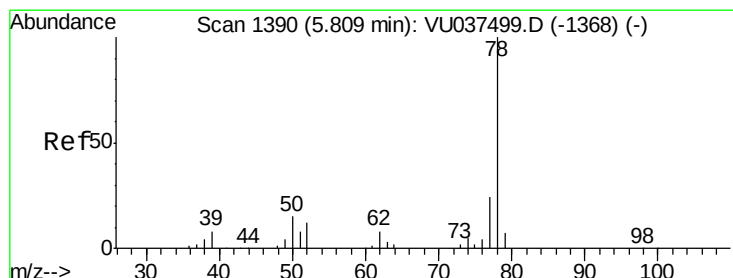
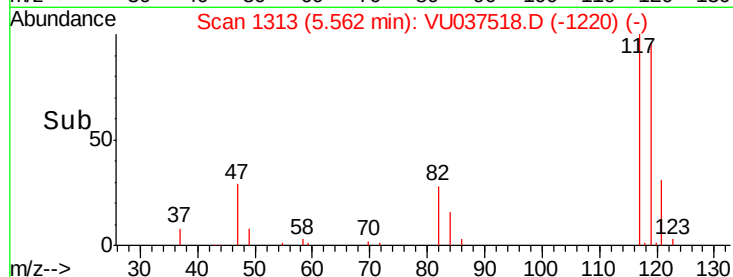
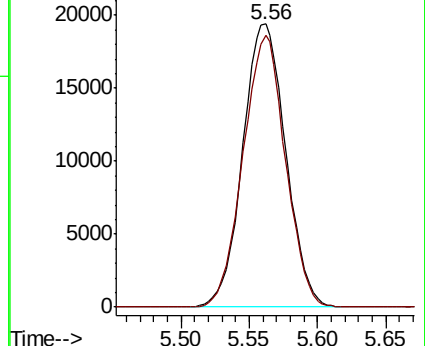
117 100

119 94.5 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.826 ug/L

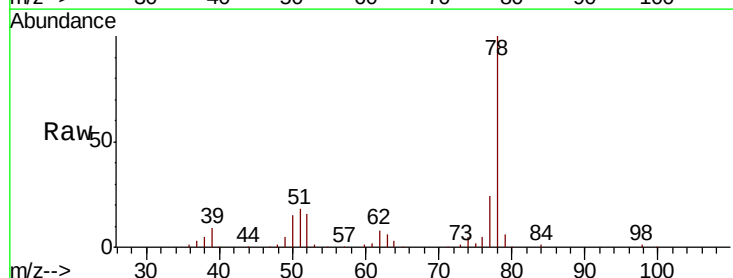
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

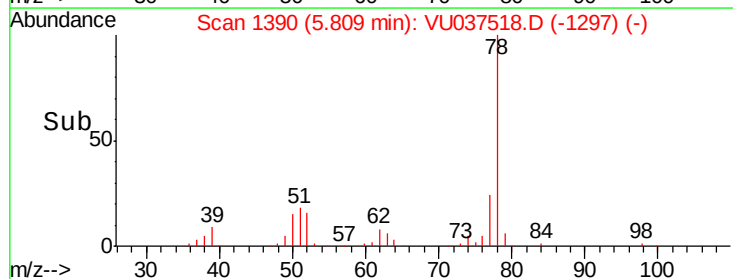
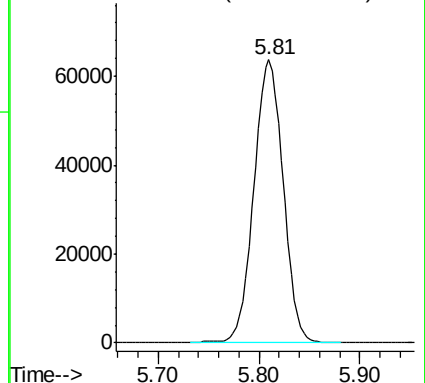
Lab File: VU037518.D

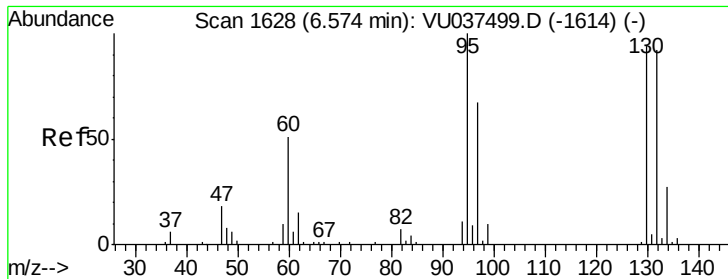
Acq: 01 Apr 2020 00:29

Tgt Ion: 78 Resp: 128175



Abundance Ion 78.10 (77.80 to 78.80): VU0

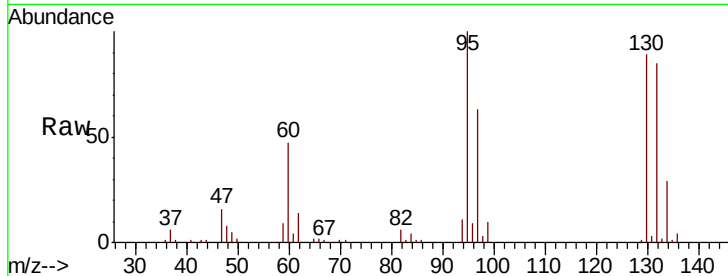




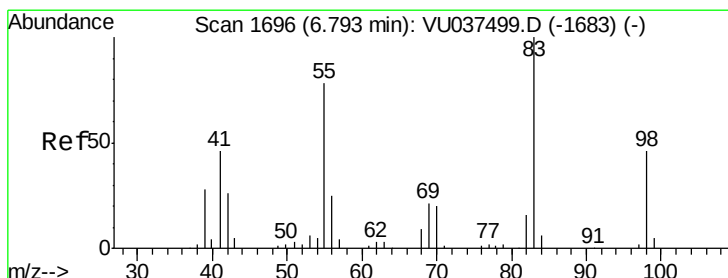
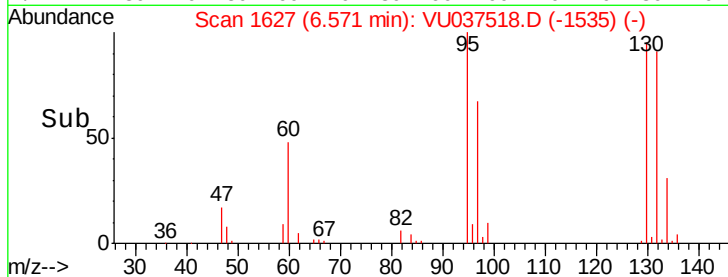
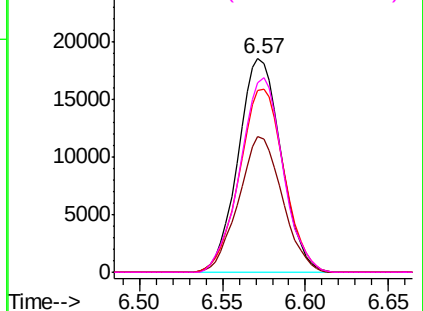
#34
 Trichloroethene
 Concen: 4.747 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 33576
 Ion Ratio Lower Upper
 95 100
 97 63.3 41.8 77.6
 132 85.0 59.8 111.0
 130 88.9 65.0 120.8

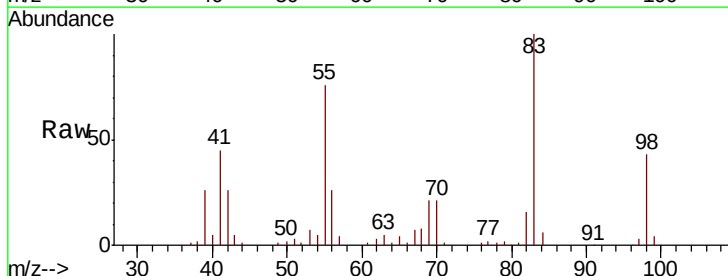


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

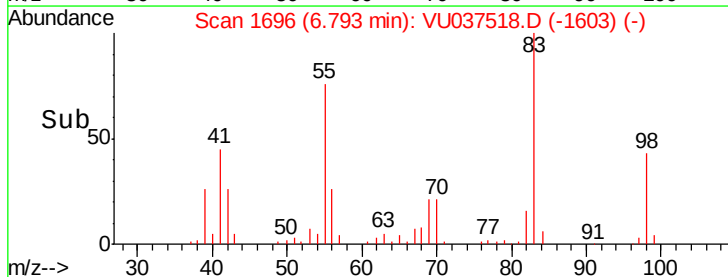
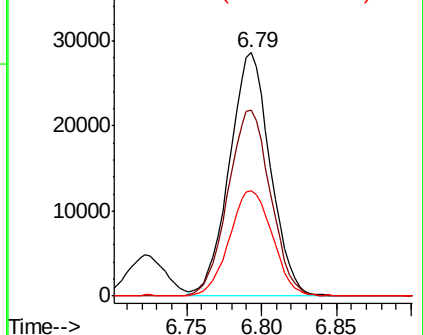


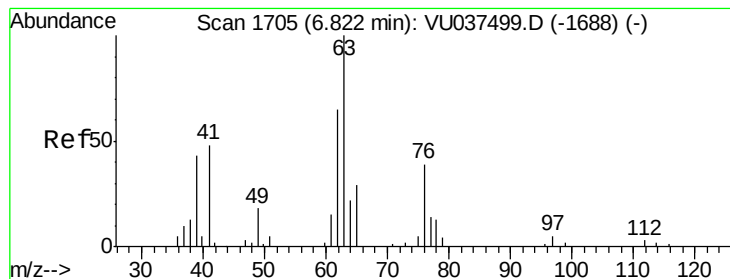
#35
 Methylcyclohexane
 Concen: 4.701 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Tgt Ion: 83 Resp: 54447
 Ion Ratio Lower Upper
 83 100
 55 79.4 64.4 96.6
 98 45.5 38.2 57.2



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: 4.952 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

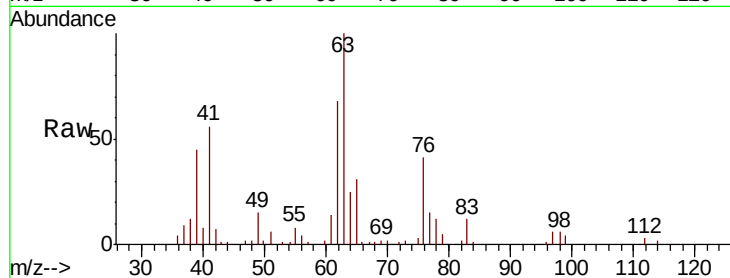
ClientSampled :

Tot Ion: 63 Resp: 34869

Ion Ratio Lower Upper

63 100

112 3.2 2.8 4.2



Abundance Ion 63.10 (62.80 to 63.80): VU037499.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU037499.D (-1688) (-)

6.82

20000

15000

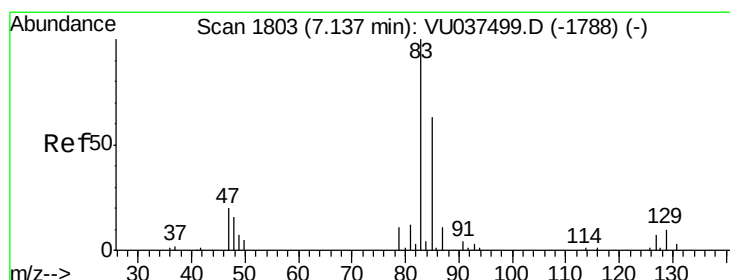
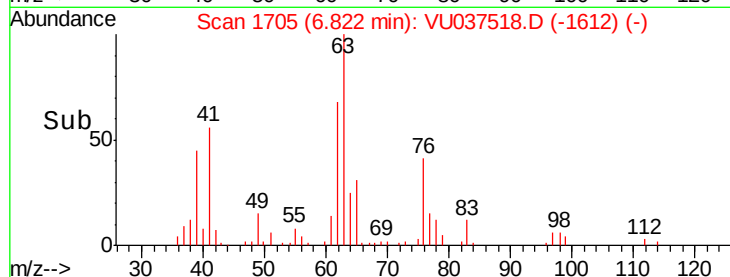
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.764 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

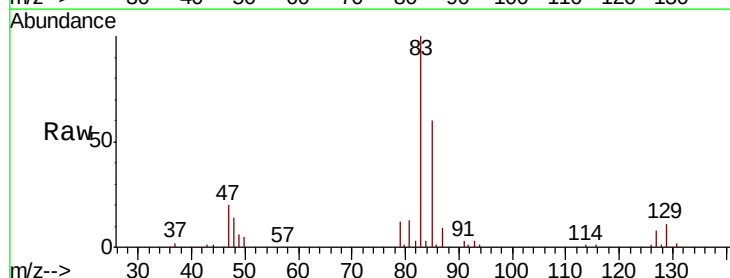
Tgt Ion: 83 Resp: 44330

Ion Ratio Lower Upper

83 100

85 60.5 42.7 79.3

127 7.8 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VU037499.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037499.D (-1788) (-)

Ion 126.90 (126.60 to 127.60): VU037499.D (-1788) (-)

7.13

30000

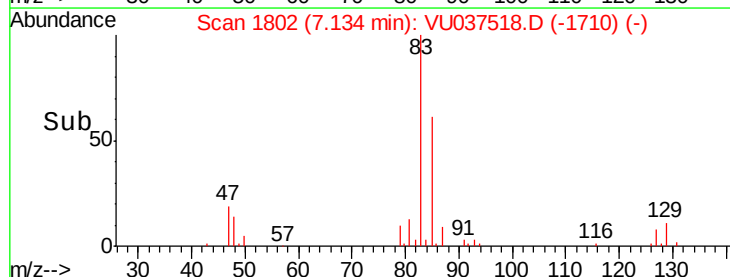
20000

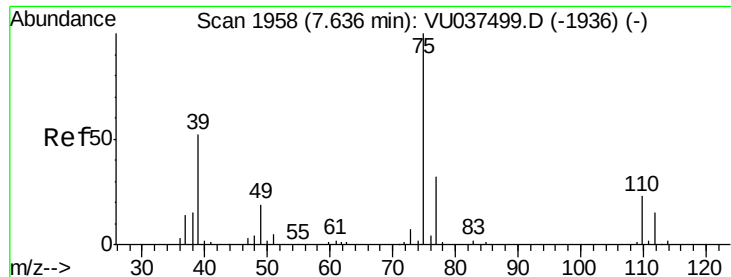
10000

0

7.05 7.10 7.15 7.20

Time-->

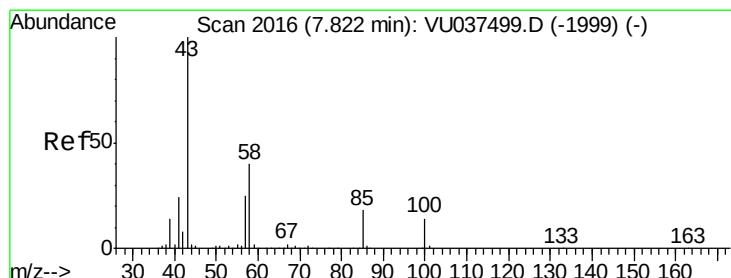
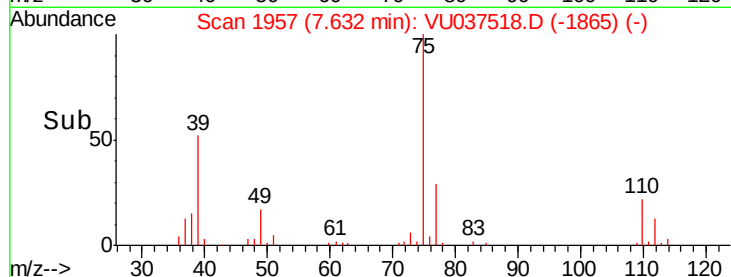
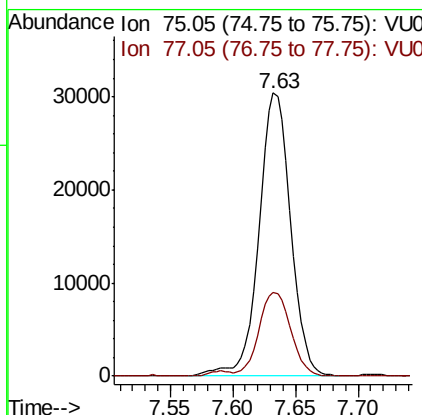
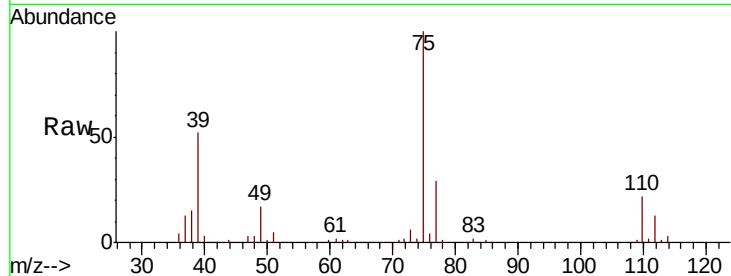




#39
 cis-1,3-Dichloropropene
 Concen: 4.886 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

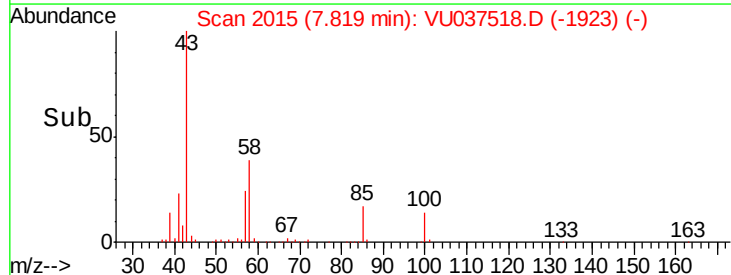
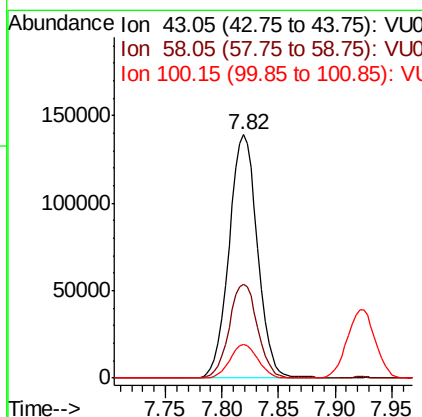
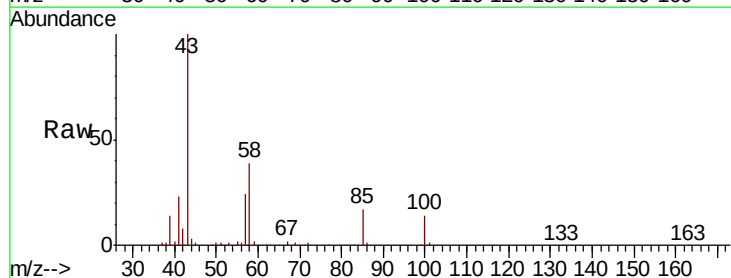
Instrument :
 MSVOA_U
 ClientSampleId :

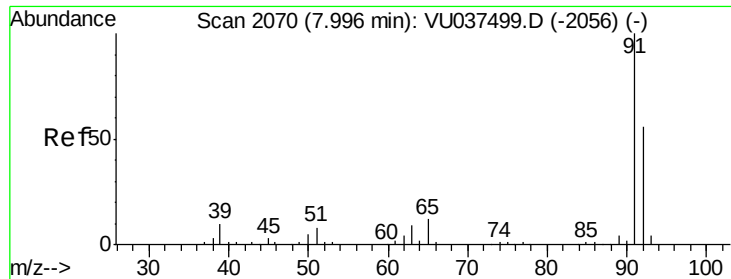
Tot Ion: 75 Resp: 53473
 Ion Ratio Lower Upper
 75 100
 77 29.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 46.384 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Tgt Ion: 43 Resp: 243365
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.2 46.8
 100 13.6 10.9 16.3





#42

Toluene

Concen: 4.917 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

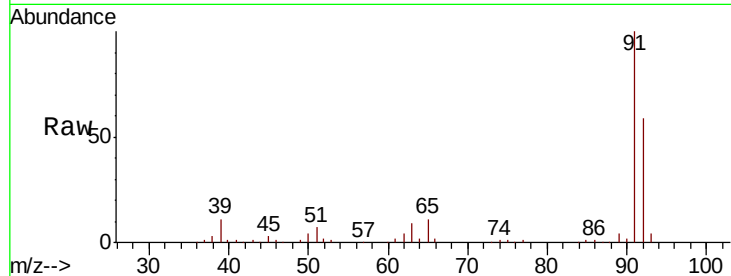
ClientSampleId :

Tot Ion: 91 Resp: 137689

Ion Ratio Lower Upper

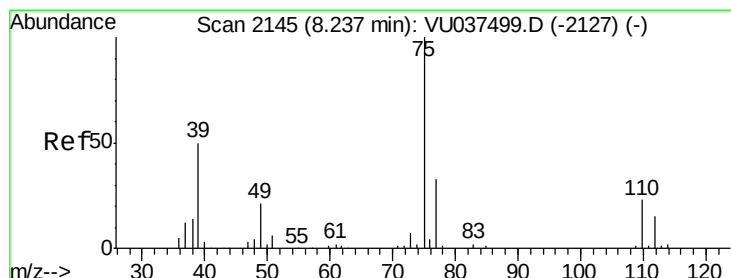
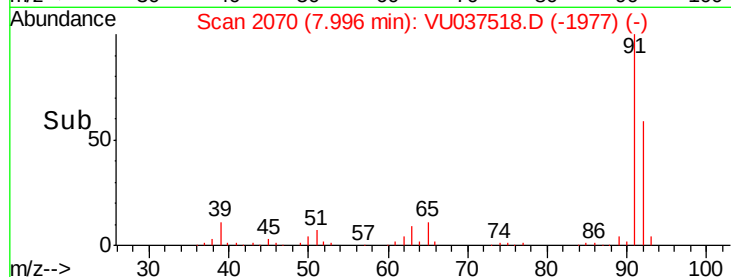
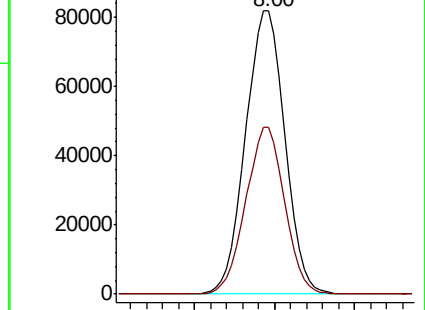
91 100

92 58.9 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU037499.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU037499.D (-2056) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.848 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037518.D

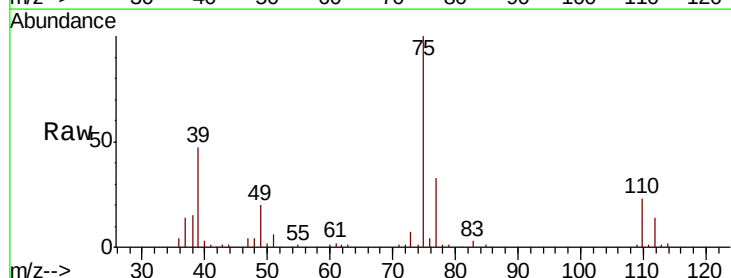
Acq: 01 Apr 2020 00:29

Tgt Ion: 75 Resp: 47041

Ion Ratio Lower Upper

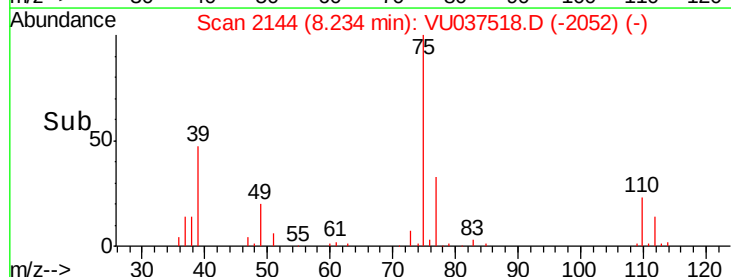
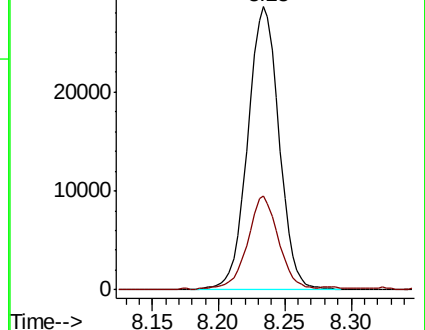
75 100

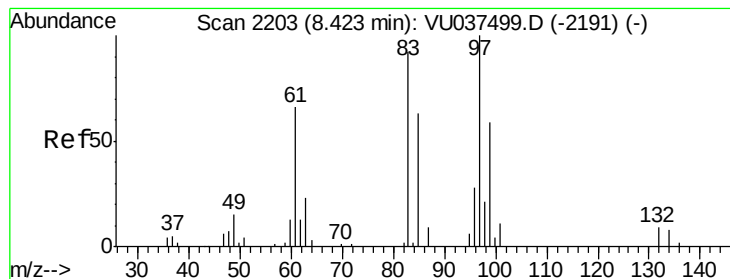
77 33.4 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037499.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037499.D (-2127) (-)





#45

1,1,2-Trichloroethane

Concen: 4.867 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 24446

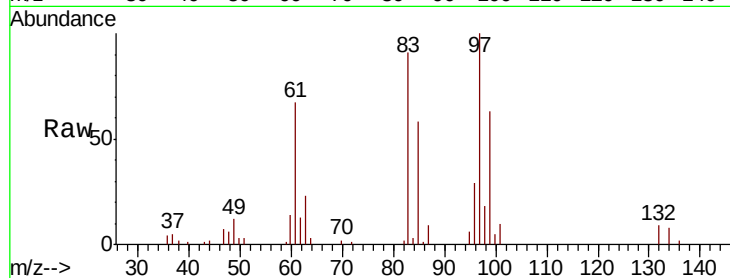
Ion Ratio Lower Upper

97 100

99 62.9 41.6 77.2

83 91.1 61.5 114.1

85 58.4 39.3 73.1



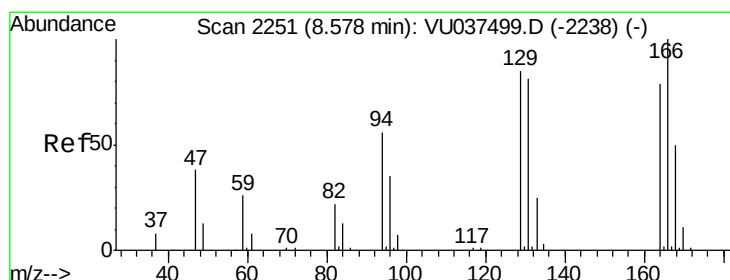
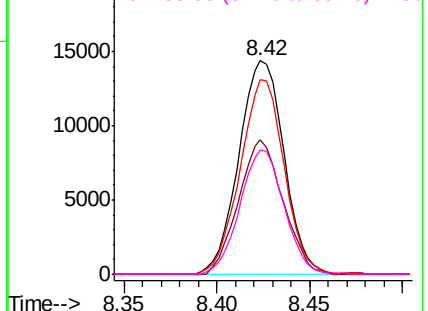
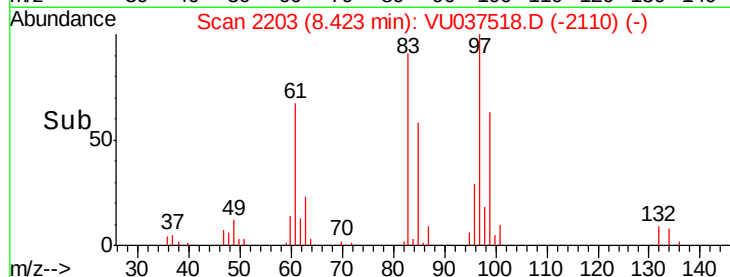
Abundance

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: 4.871 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Tgt Ion: 164 Resp: 22608

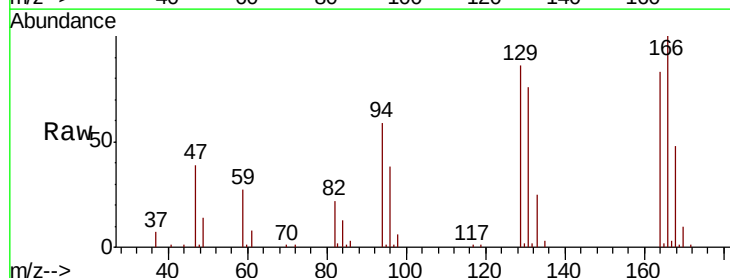
Ion Ratio Lower Upper

164 100

129 103.9 71.3 132.3

131 91.1 67.9 126.1

166 120.2 87.0 161.6



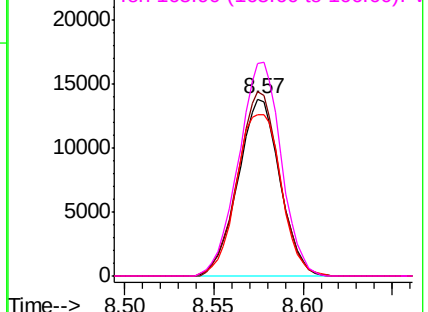
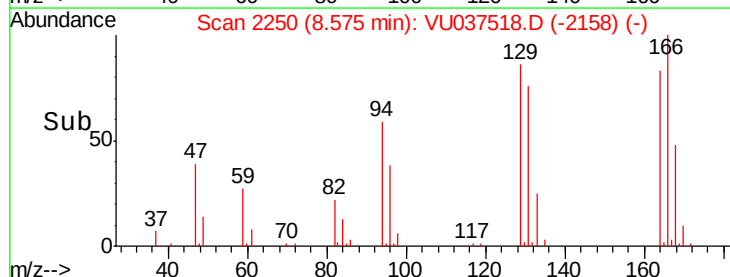
Abundance

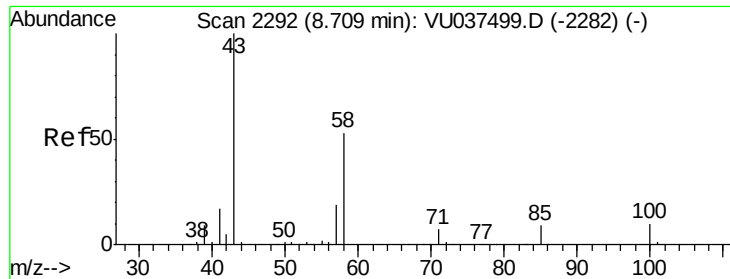
Ion 163.90 (163.60 to 164.60): V

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

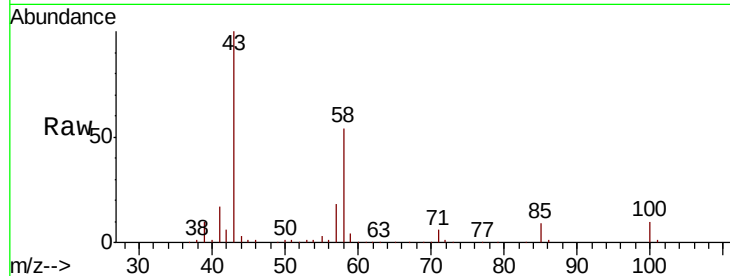




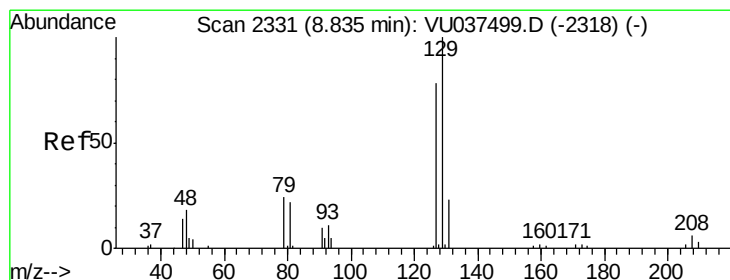
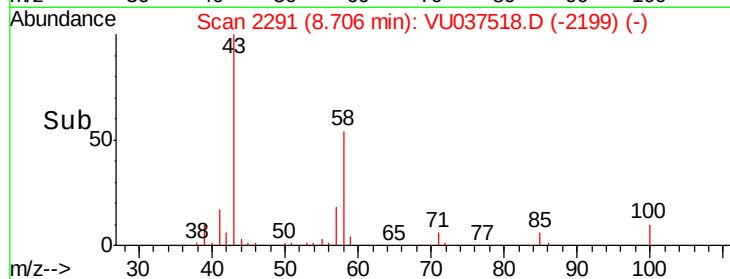
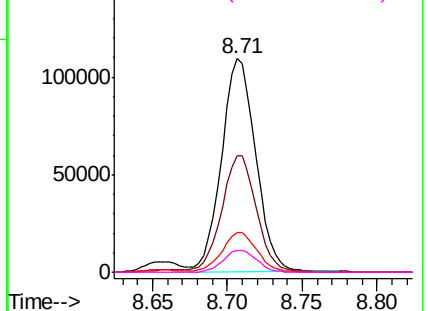
#48
2-Hexanone
Concen: 46.029 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 174290
Ion Ratio Lower Upper
43 100
58 55.5 43.4 65.0
57 18.9 14.9 22.3
100 10.1 8.3 12.5

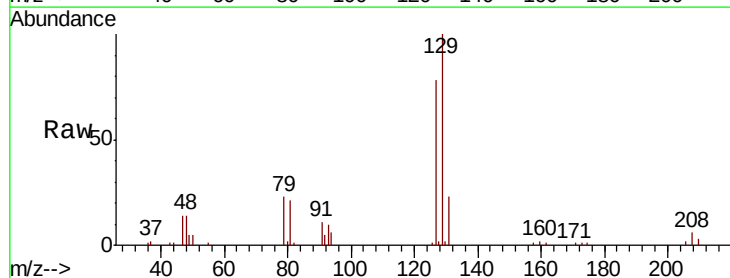


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

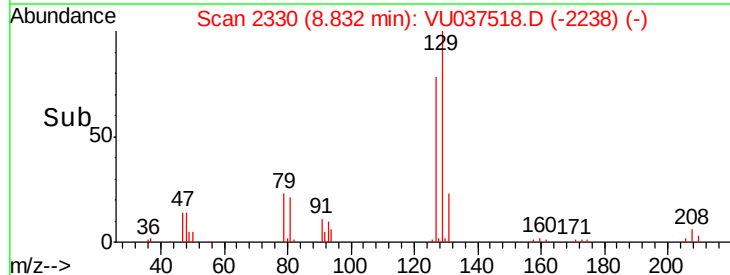
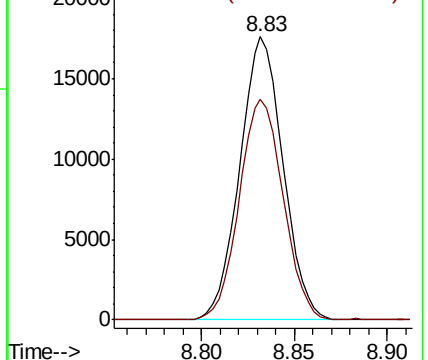


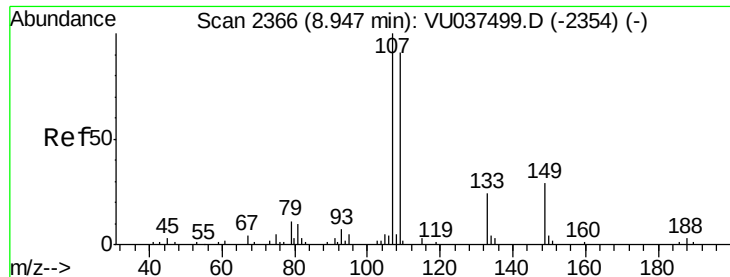
#49
Dibromochloromethane
Concen: 4.637 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

Tgt Ion: 129 Resp: 28513
Ion Ratio Lower Upper
129 100
127 78.1 49.4 91.8



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

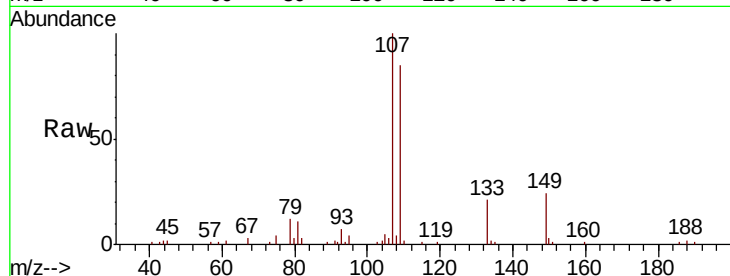




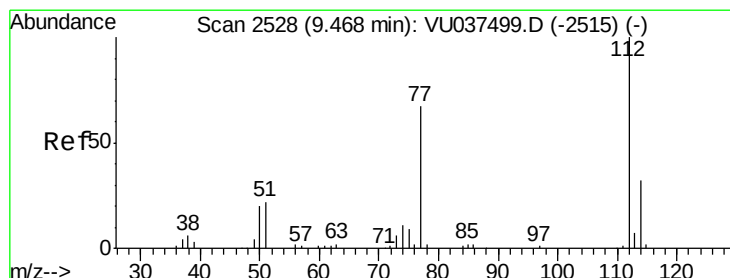
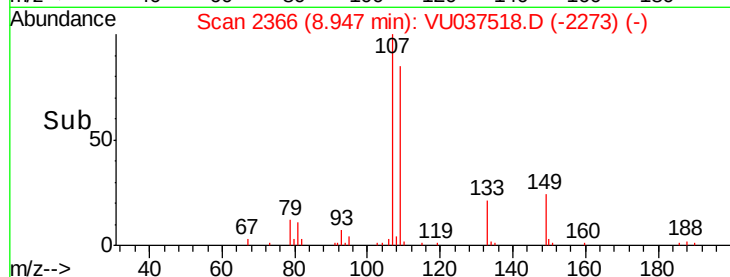
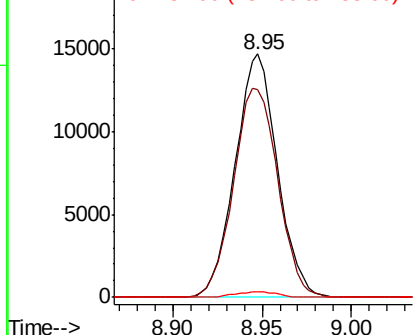
#50
 1,2-Dibromoethane
 Concen: 4.845 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 24172
 Ion Ratio Lower Upper
 107 100
 109 85.3 70.1 130.3
 188 2.3 2.2 3.4

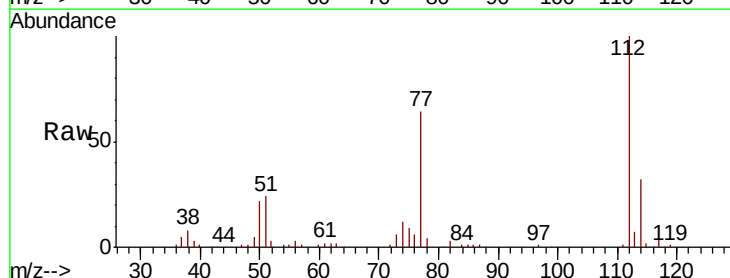


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

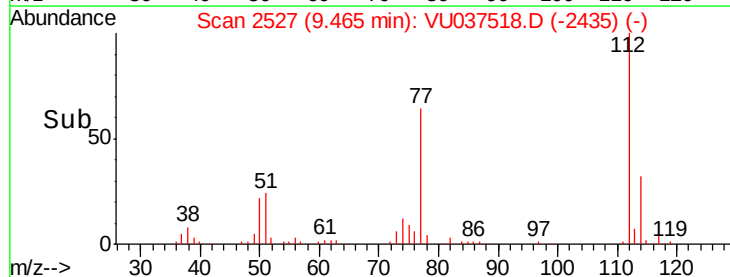
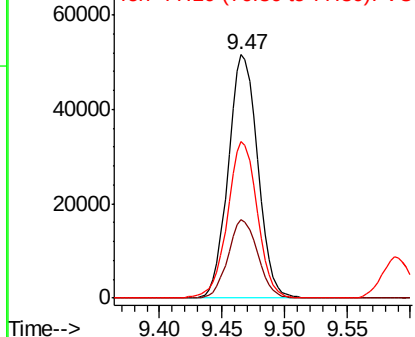


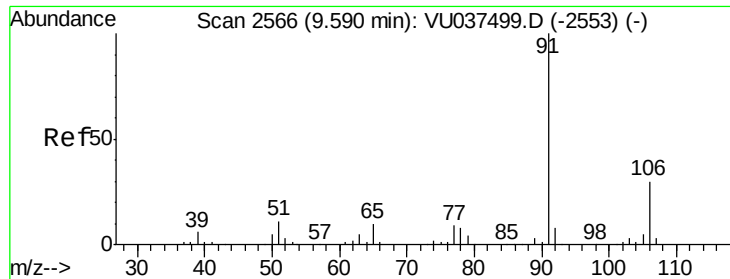
#51
 Chlorobenzene
 Concen: 4.825 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Tgt Ion:112 Resp: 84200
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.4 41.6
 77 64.4 50.4 75.6



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: 4.816 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

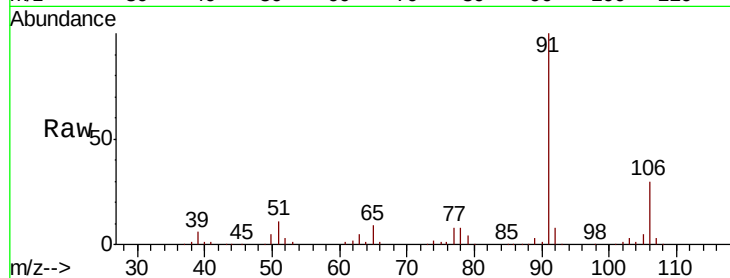
ClientSampleId :

Tot Ion: 91 Resp: 156708

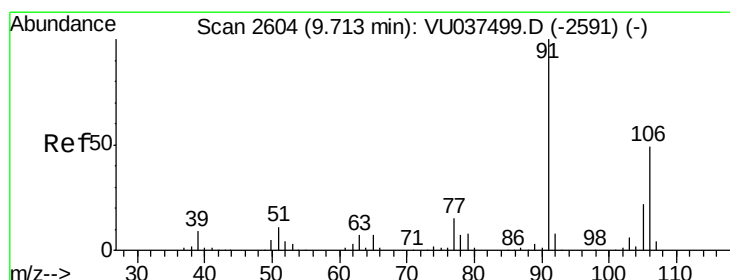
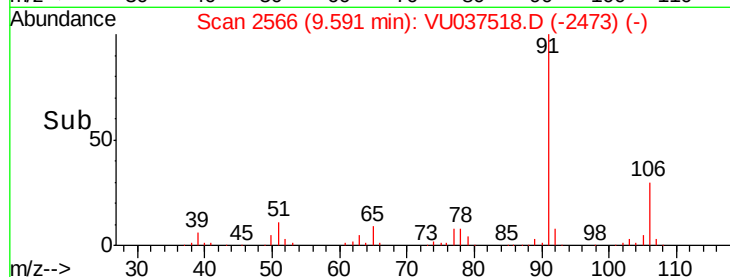
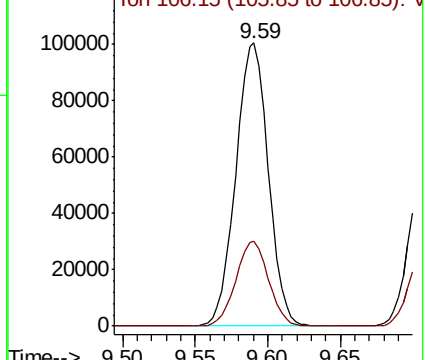
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037499.D (-2553) (-)



#53

m,p-Xylene

Concen: 4.790 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037518.D

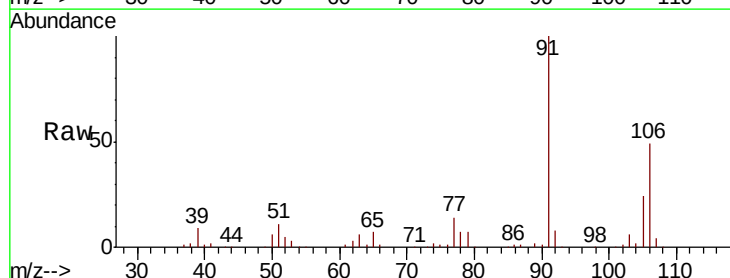
Acq: 01 Apr 2020 00:29

Tgt Ion: 106 Resp: 57945

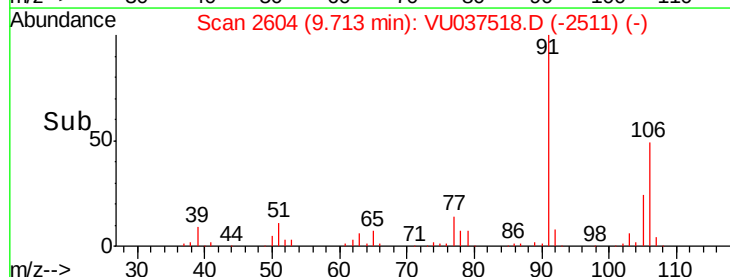
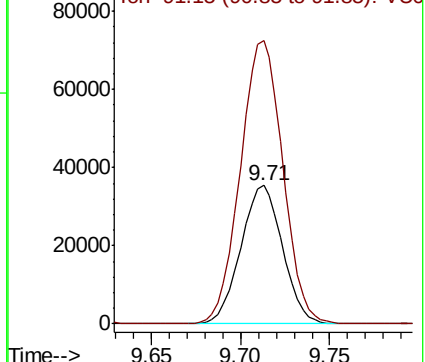
Ion Ratio Lower Upper

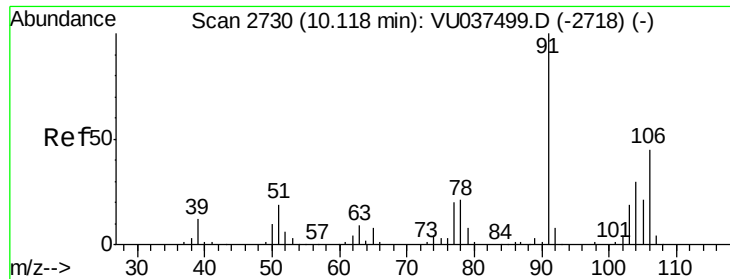
106 100

91 204.6 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VU037499.D (-2591) (-)

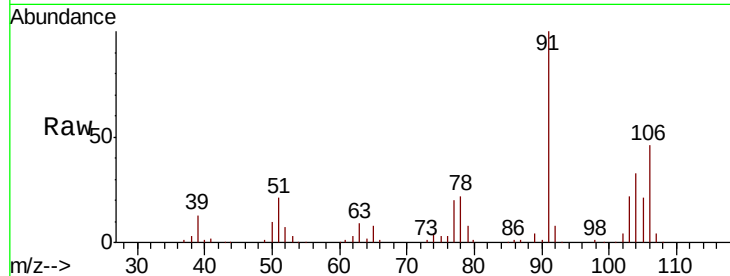




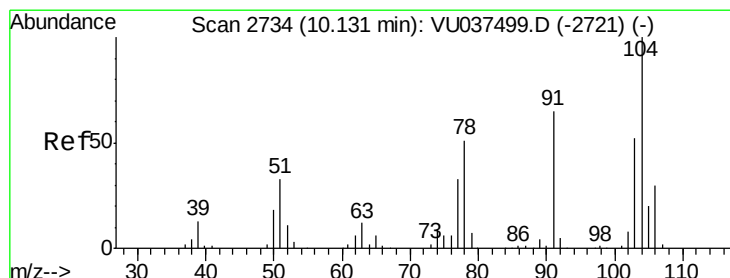
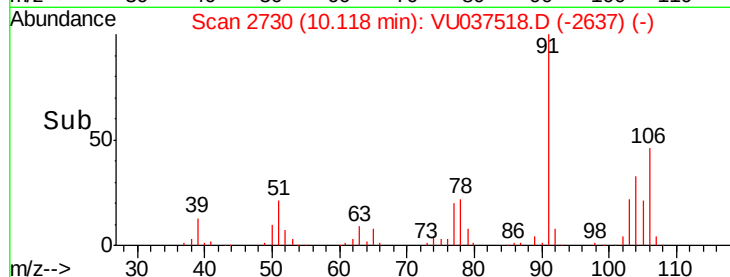
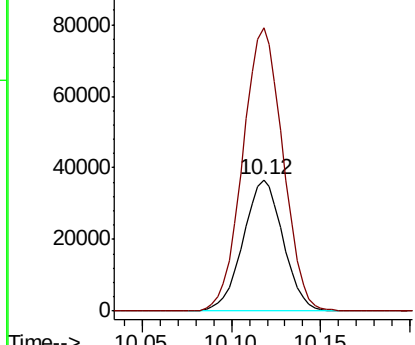
#54
o-Xylene
Concen: 4.993 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 57251
Ion Ratio Lower Upper
106 100
91 215.6 155.6 289.0

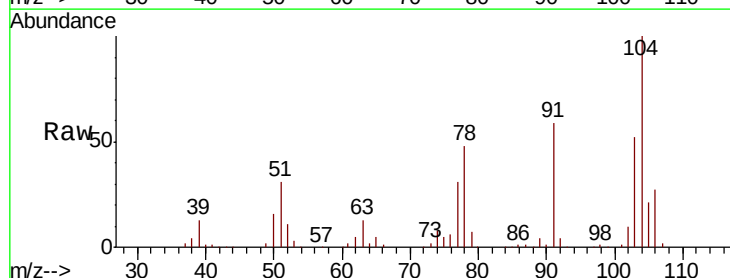


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

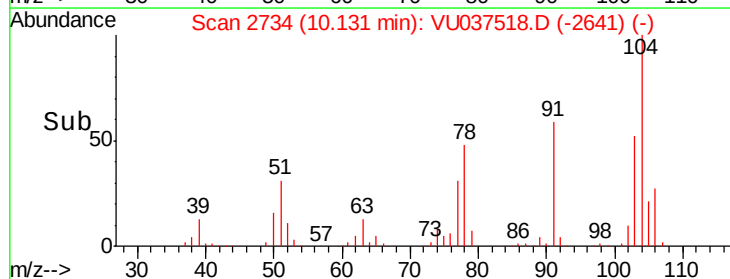
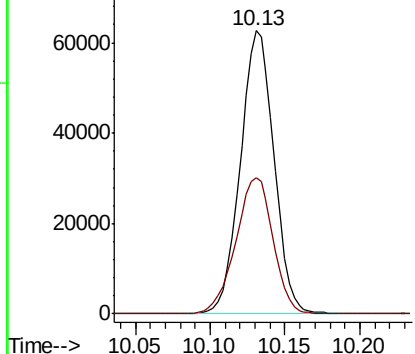


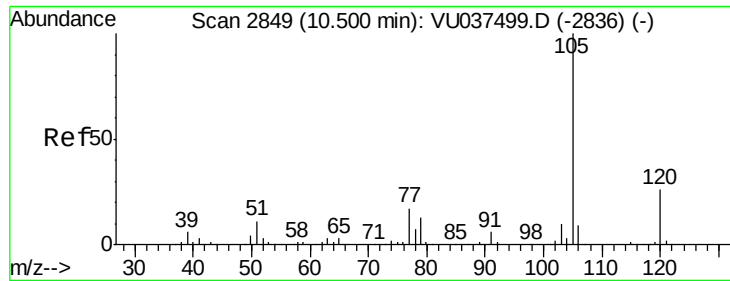
#55
Styrene
Concen: 4.900 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037518.D
Acq: 01 Apr 2020 00:29

Tgt Ion:104 Resp: 97802
Ion Ratio Lower Upper
104 100
78 48.3 35.7 66.3



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





#56

Isopropylbenzene

Concen: 4.926 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

ClientSampleId :

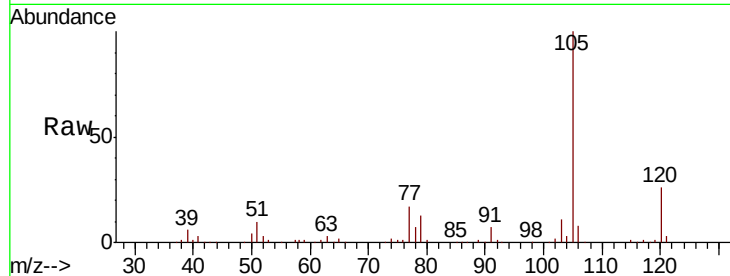
Tot Ion:105 Resp: 152468

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

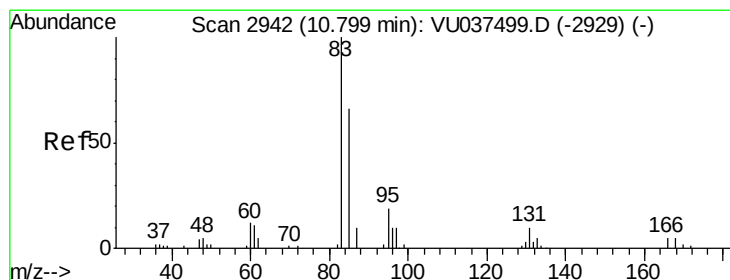
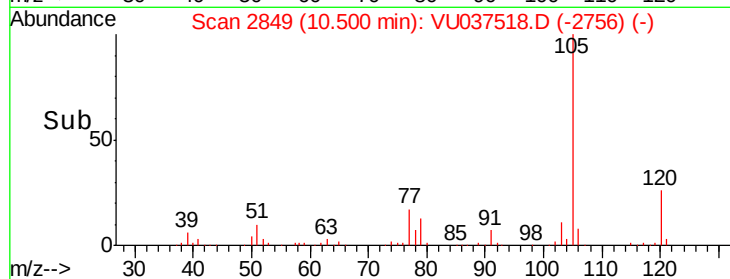
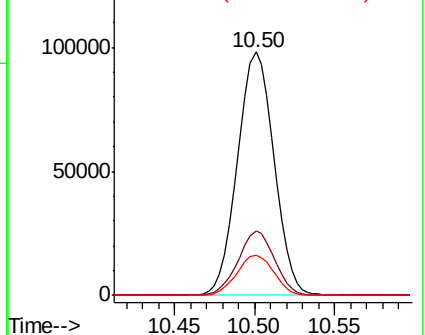
77 16.9 13.6 20.4



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: 4.672 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

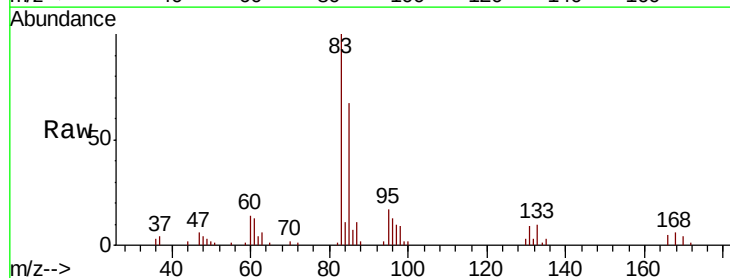
Tgt Ion: 83 Resp: 31877

Ion Ratio Lower Upper

83 100

85 66.7 45.9 85.3

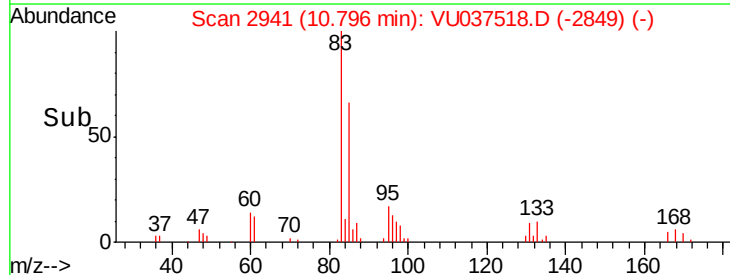
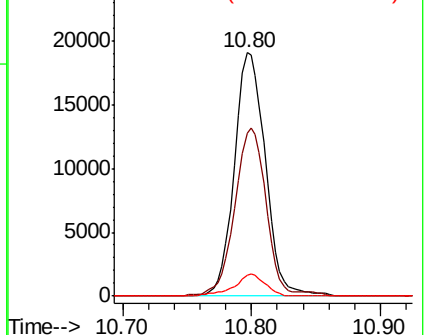
131 8.5 6.5 9.7

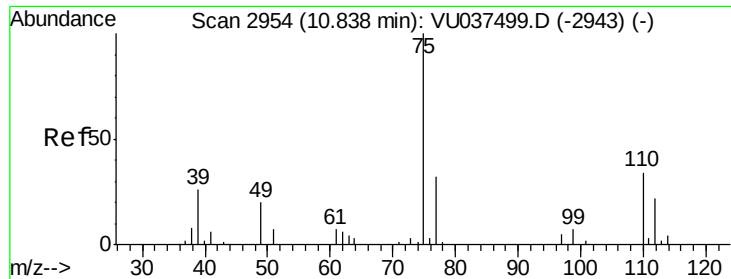


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

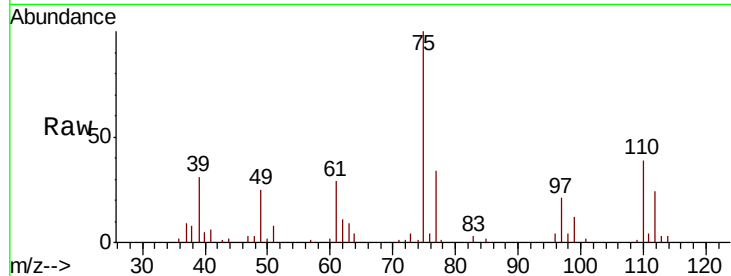




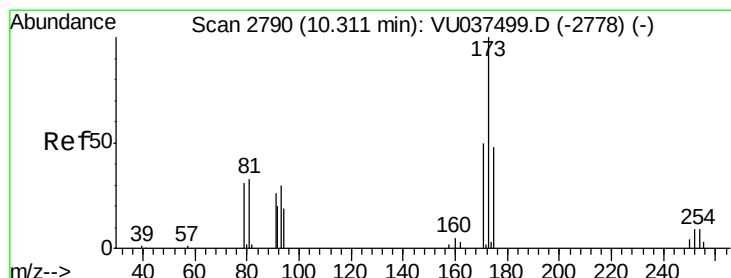
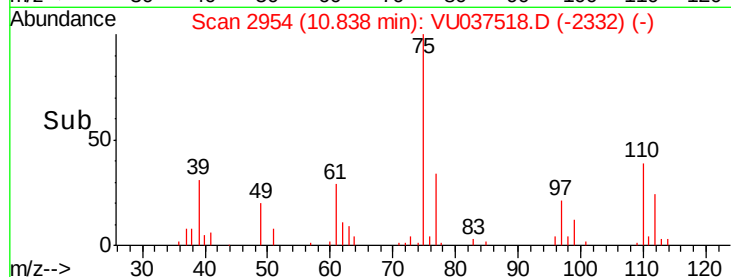
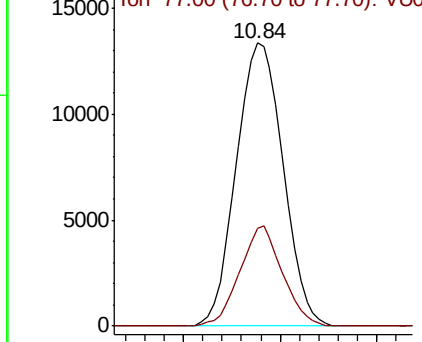
#59
 1,2,3-Trichloropropane
 Concen: 4.643 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 22481
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.2

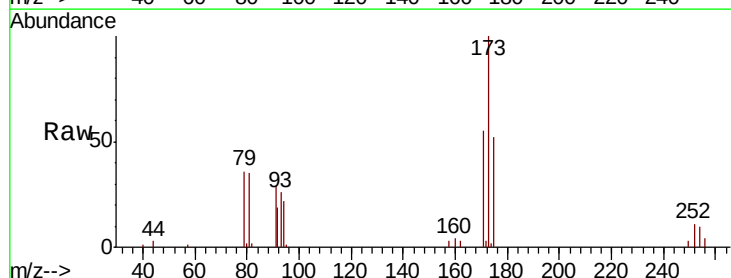


Abundance Ion 75.00 (74.70 to 75.70): VU037499.D (-2943) (-)
 Ion 77.00 (76.70 to 77.70): VU037499.D (-2943) (-)

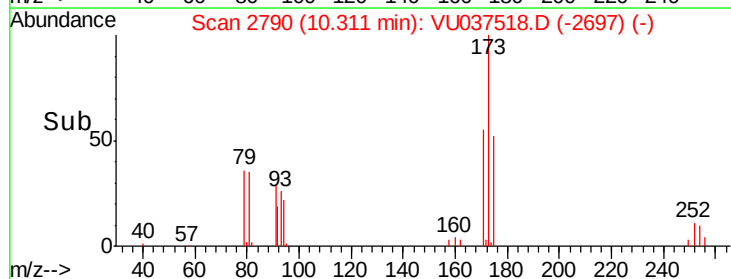
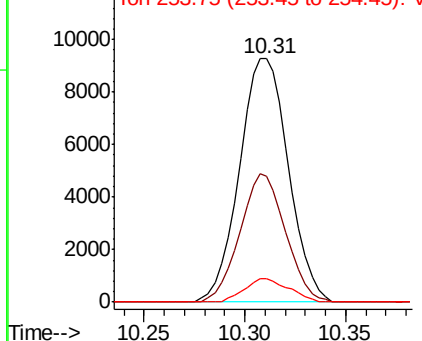


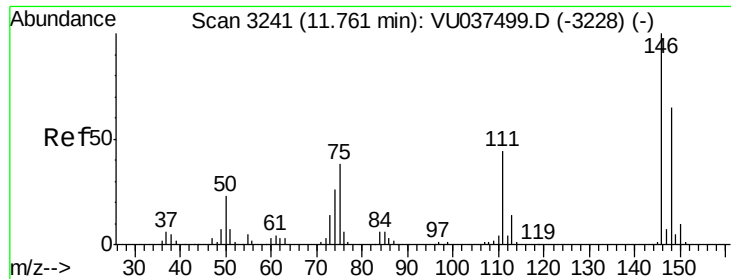
#61
 Bromoform
 Concen: 4.459 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Tgt Ion: 173 Resp: 15740
 Ion Ratio Lower Upper
 173 100
 175 49.1 40.0 60.0
 254 8.6 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): VU037499.D (-2778) (-)
 Ion 174.90 (174.60 to 175.60): VU037499.D (-2778) (-)
 Ion 253.75 (253.45 to 254.45): VU037499.D (-2778) (-)

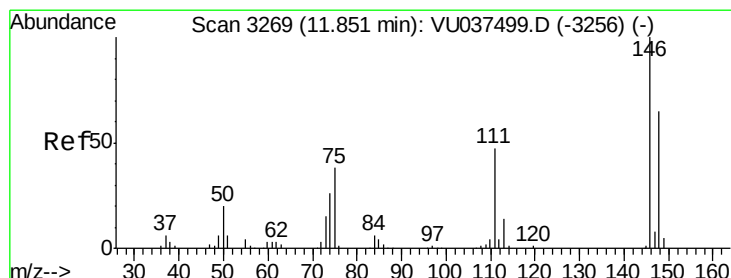
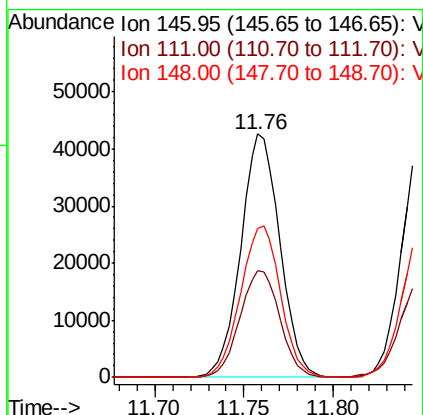
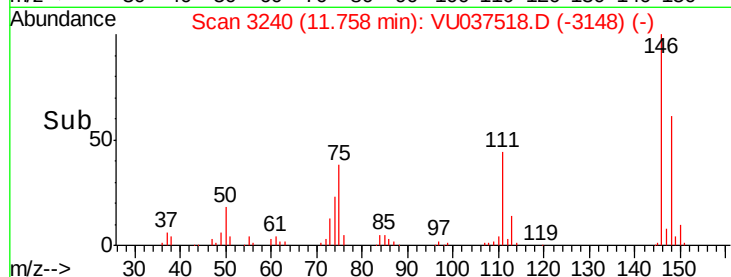
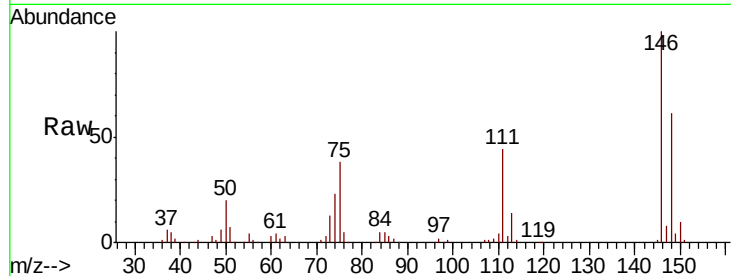




#62
 1,3-Dichlorobenzene
 Concen: 4.676 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

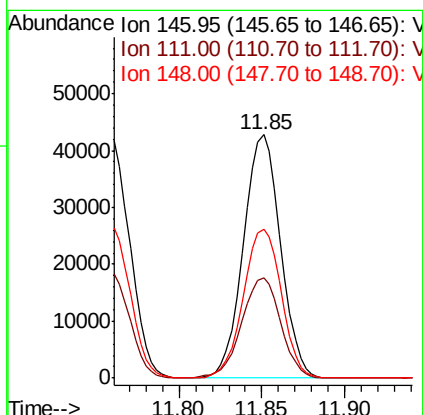
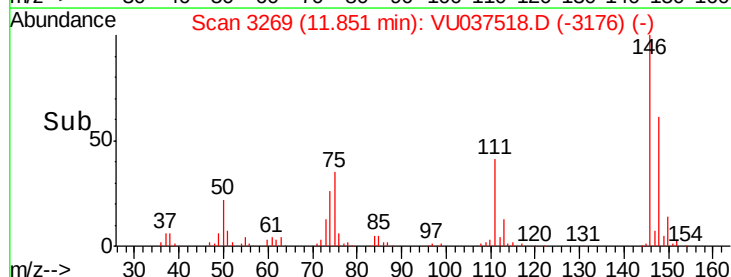
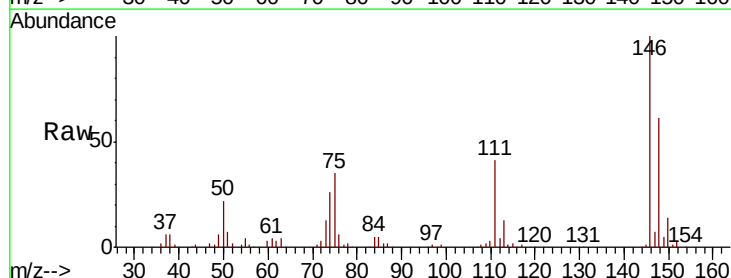
Instrument :
 MSVOA_U
 ClientSampled :

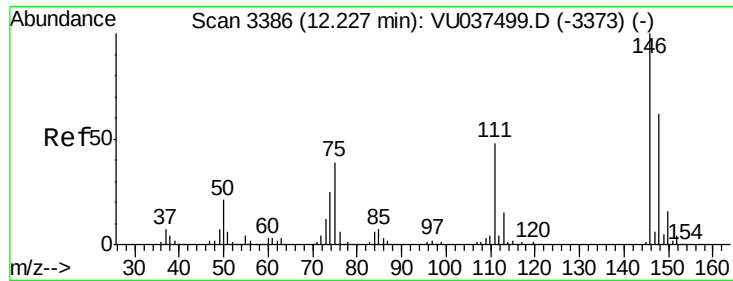
Tot Ion:146 Resp: 65110
 Ion Ratio Lower Upper
 146 100
 111 43.6 31.4 58.2
 148 60.9 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 4.728 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Tgt Ion:146 Resp: 66648
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.7 55.1
 148 61.3 44.4 82.4

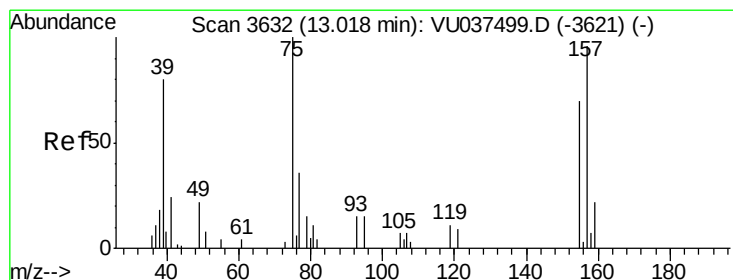
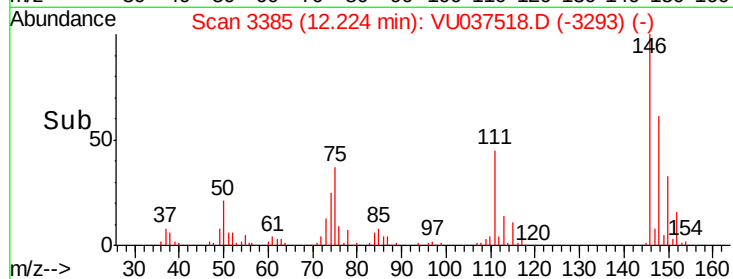
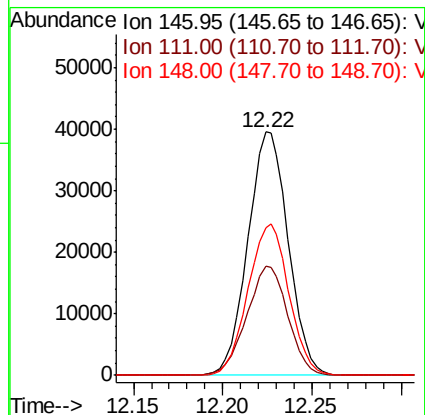
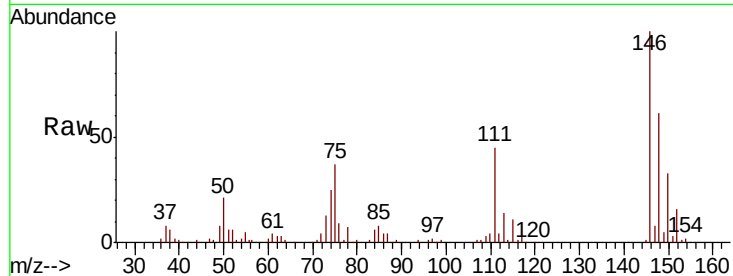




#65
 1,2-Dichlorobenzene
 Concen: 4.774 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

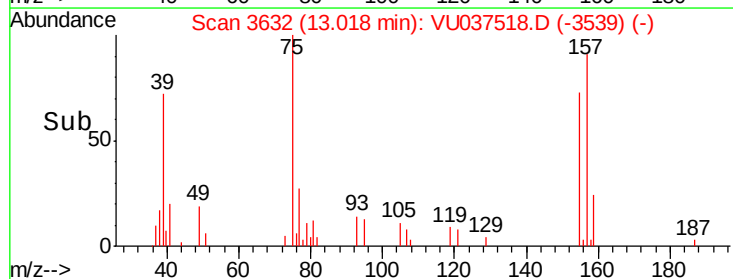
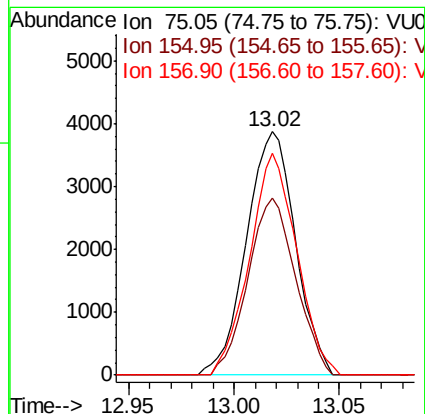
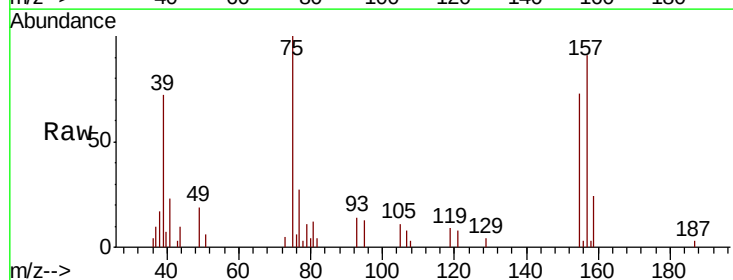
Instrument :
 MSVOA_U
 ClientSampled :

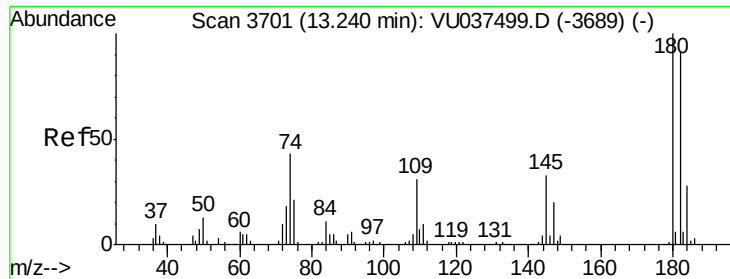
Tot Ion:146 Resp: 62556
 Ion Ratio Lower Upper
 146 100
 111 44.9 38.9 58.3
 148 60.6 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.585 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Tgt Ion: 75 Resp: 6260
 Ion Ratio Lower Upper
 75 100
 155 72.6 62.4 93.6
 157 90.9 78.7 118.1

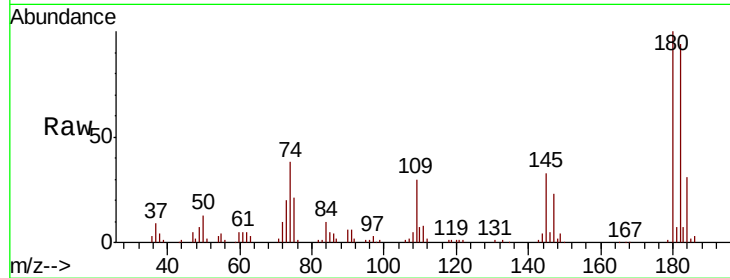




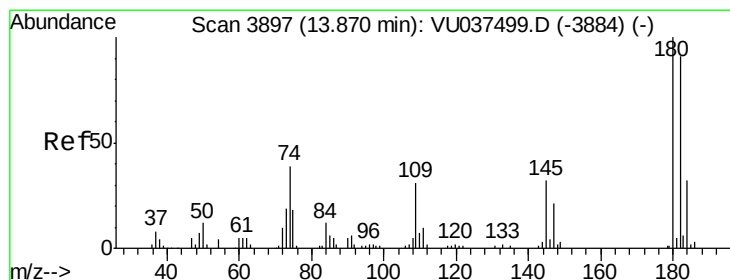
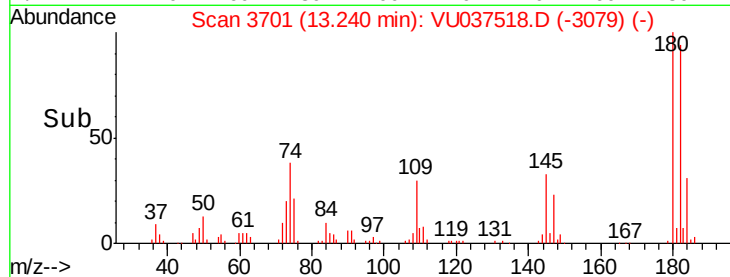
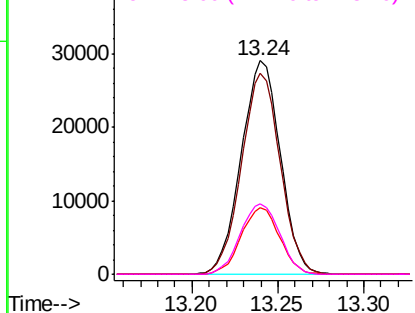
#67
 1,3,5-Trichlorobenzene
 Concen: 4.717 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 45962
 Ion Ratio Lower Upper
 180 100
 182 93.1 77.3 115.9
 184 30.5 25.0 37.4
 145 33.2 27.0 40.6

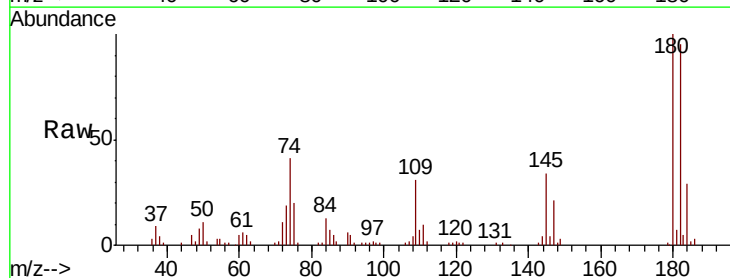


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

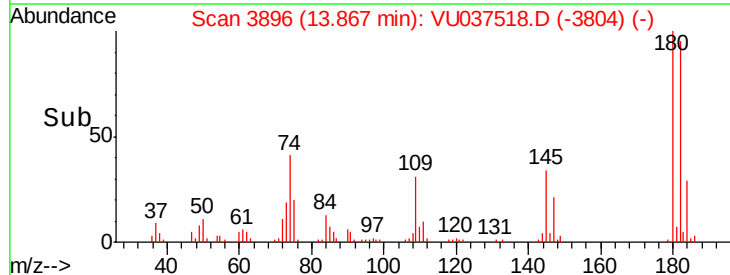
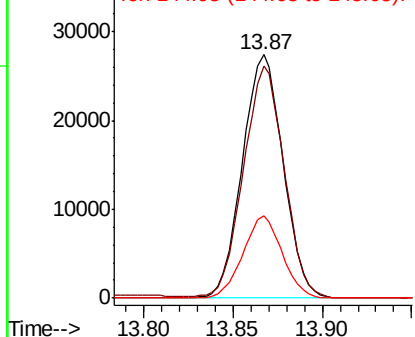


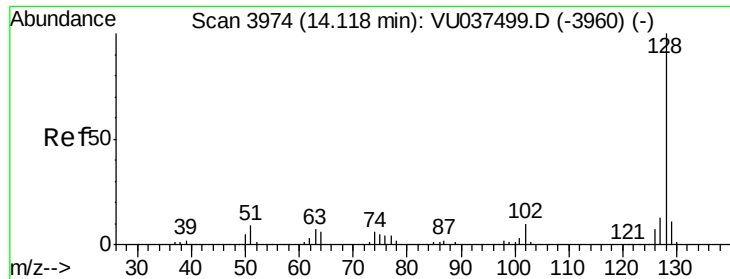
#68
 1,2,4-trichlorobenzene
 Concen: 4.660 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037518.D
 Acq: 01 Apr 2020 00:29

Tgt Ion:180 Resp: 43889
 Ion Ratio Lower Upper
 180 100
 182 95.4 80.4 120.6
 145 32.4 28.6 43.0



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: 5.667 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

Instrument :

MSVOA_U

ClientSampleId :

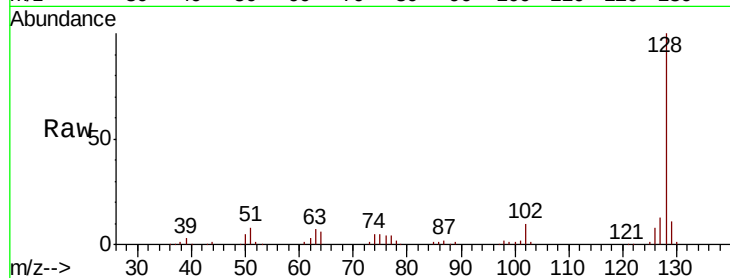
Tot Ion:128 Resp: 121762

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

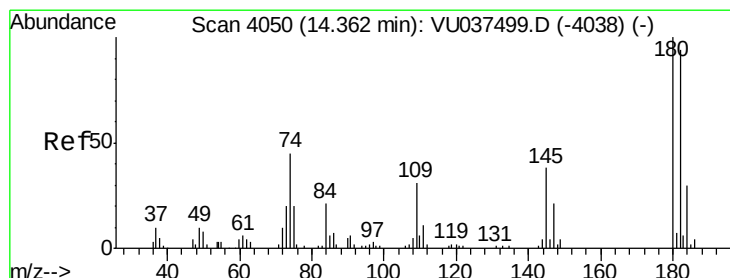
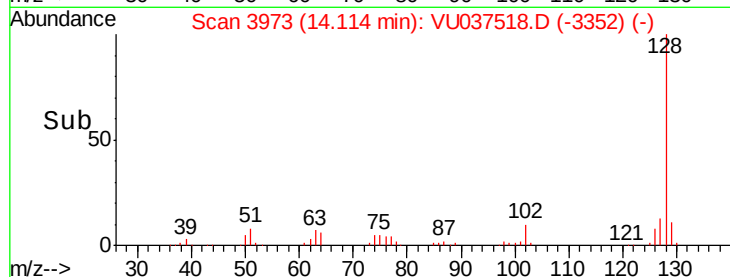
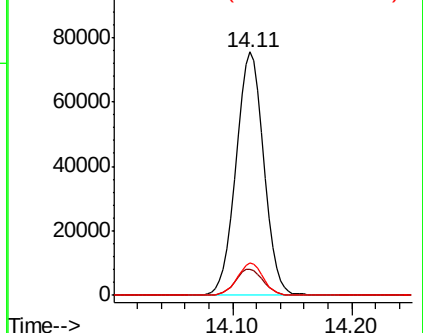
127 12.4 10.2 15.2



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: 4.735 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037518.D

Acq: 01 Apr 2020 00:29

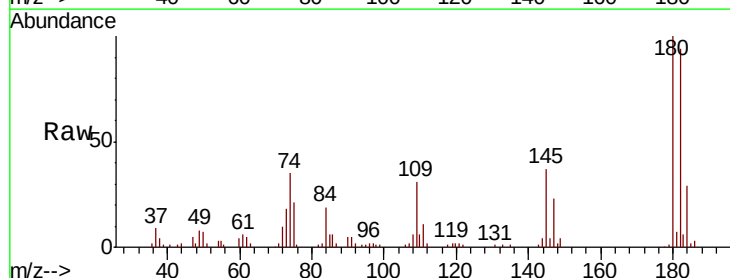
Tgt Ion:180 Resp: 39319

Ion Ratio Lower Upper

180 100

182 94.1 74.7 112.1

145 36.9 30.0 45.0



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

