

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033020\
 Data File : VU037472.D
 Acq On : 30 Mar 2020 19:08
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 03:58:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 31 01:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	102270	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	96513	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	48595	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31231	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.93	69	27875	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.59	63	64668	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	4.67	46	95791	46.55	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.10%
24) Chloroform-d	5.11	84	63738	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.74	65	37751	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.76	84	124405	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.72	67	42915	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.92	98	109522	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.20	79	19338	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.66	63	88473	51.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.56%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	37223	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	42390	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	39205	4.569	ug/L 98
3) Chloromethane	1.54	50	35728	4.697	ug/L 99
5) Vinyl chloride	1.62	62	39867	4.980	ug/L 96
6) Bromomethane	1.87	94	16393	3.634	ug/L 100
8) Chloroethane	1.95	64	22027	4.932	ug/L 95
9) Trichlorofluoromethane	2.16	101	55913	5.217	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	32826	5.026	ug/L 98
12) 1,1-Dichloroethene	2.60	96	33180	4.933	ug/L 97
13) Acetone	2.66	43	53012	44.837	ug/L 97
14) Carbon disulfide	2.82	76	110543	4.804	ug/L 99
15) Methyl Acetate	2.98	43	15920	4.820	ug/L 91
16) Methylene chloride	3.08	84	36121	4.805	ug/L 94
17) Methyl tert-butyl Ether	3.40	73	89481	4.889	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	35416	5.035	ug/L 98
19) 1,1-Dichloroethane	3.91	63	65022	4.946	ug/L 99
21) 2-Butanone	4.75	43	101680	50.588	ug/L 96
22) cis-1,2-Dichloroethene	4.71	96	37899	4.808	ug/L 96

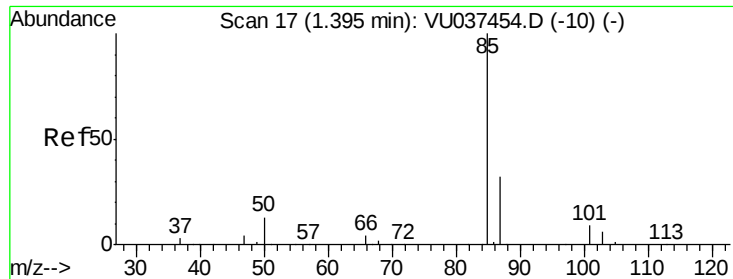
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	16183	4.648	ug/L	98
25) Chloroform	5.13	83	70311	5.084	ug/L	98
27) 1,2-Dichloroethane	5.83	62	45055	4.877	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	61763	5.091	ug/L	99
30) Cyclohexane	5.42	56	63020	5.070	ug/L	99
31) Carbon tetrachloride	5.56	117	50468	4.818	ug/L	100
33) Benzene	5.81	78	144630	5.060	ug/L	100
34) Trichloroethene	6.57	95	38518	4.732	ug/L	97
35) Methylcyclohexane	6.79	83	62851	4.879	ug/L	99
37) 1,2-Dichloropropane	6.82	63	38093	5.156	ug/L	100
38) Bromodichloromethane	7.14	83	50632	5.011	ug/L	95
39) cis-1,3-Dichloropropene	7.63	75	59516	4.940	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	254816	51.801	ug/L	98
42) Toluene	8.00	91	155976	5.064	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	52975	4.918	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	27617	4.998	ug/L	96
47) Tetrachloroethene	8.58	164	26710	4.763	ug/L	94
48) 2-Hexanone	8.71	43	184819	52.126	ug/L	98
49) Dibromochloromethane	8.83	129	32606	4.781	ug/L	100
50) 1,2-Dibromoethane	8.95	107	26298	4.903	ug/L	100
51) Chlorobenzene	9.47	112	97088	4.563	ug/L	99
52) Ethylbenzene	9.59	91	176972	5.006	ug/L	100
53) m,p-Xylene	9.71	106	66808	5.002	ug/L	98
54) o-Xylene	10.12	106	64228	4.927	ug/L	96
55) Styrene	10.13	104	111457	5.004	ug/L	96
56) Isopropylbenzene	10.50	105	174206	5.016	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	36219	5.135	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	25495	4.961	ug/L	95
61) Bromoform	10.31	173	18688	4.627	ug/L #	98
62) 1,3-Dichlorobenzene	11.76	146	76572	4.900	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	77389	4.638	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	72253	4.790	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	6930	5.221	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	56000	4.621	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	51603	4.417	ug/L	99
69) Naphthalene	14.11	128	108344	4.777	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	45626	4.343	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.569 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

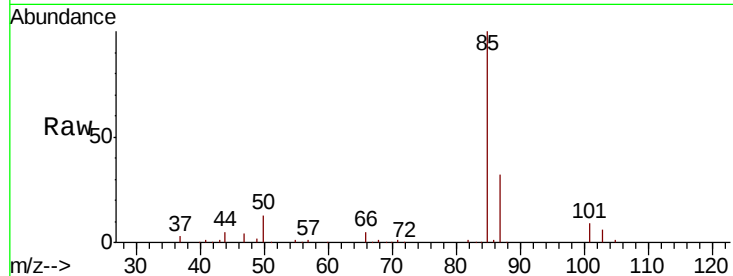
ClientSampleId :

Tot Ion: 85 Resp: 39205

Ion Ratio Lower Upper

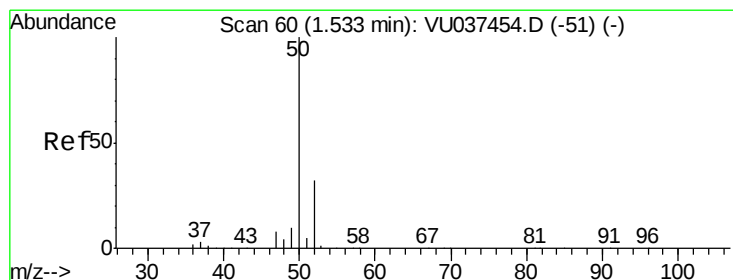
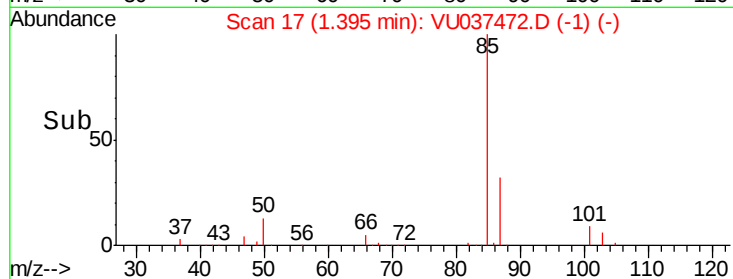
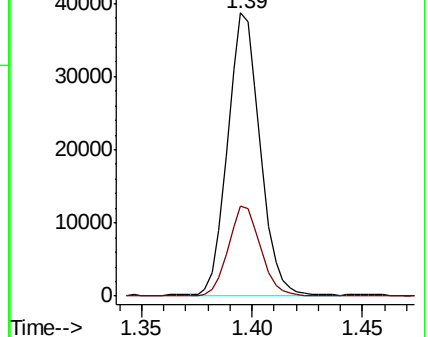
85 100

87 32.0 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU037454.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037454.D (-10) (-)



#3

Chloromethane

Concen: 4.697 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037472.D

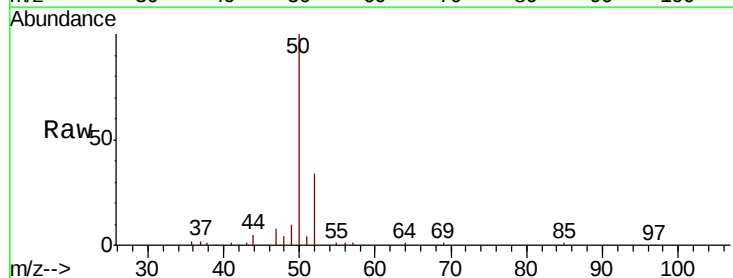
Acq: 30 Mar 2020 19:08

Tgt Ion: 50 Resp: 35728

Ion Ratio Lower Upper

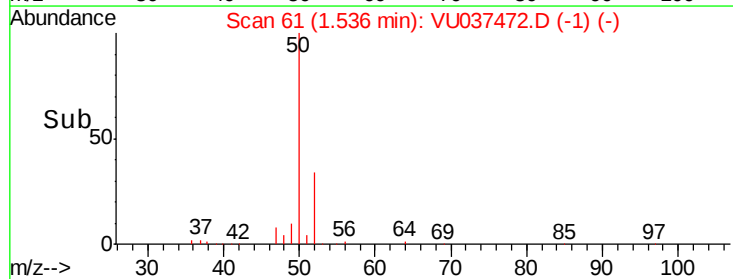
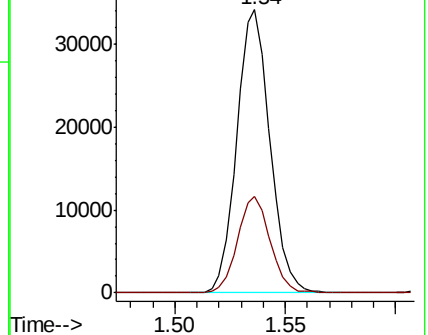
50 100

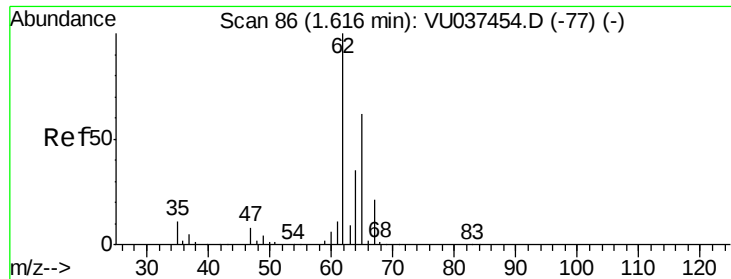
52 34.1 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU037454.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037454.D (-51) (-)





#5

Vinyl chloride

Concen: 4.980 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

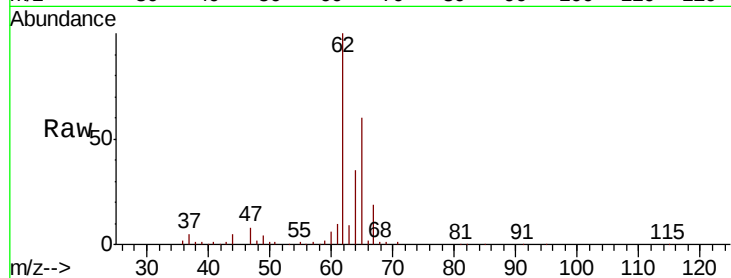
ClientSampleId :

Tot Ion: 62 Resp: 39867

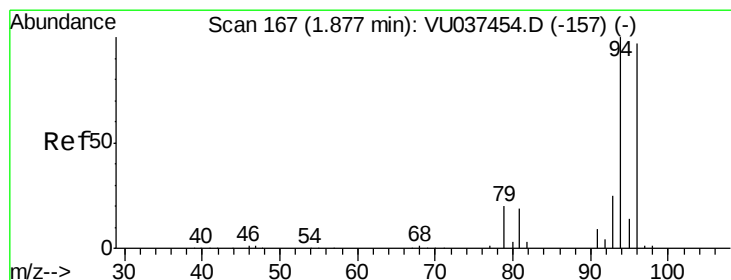
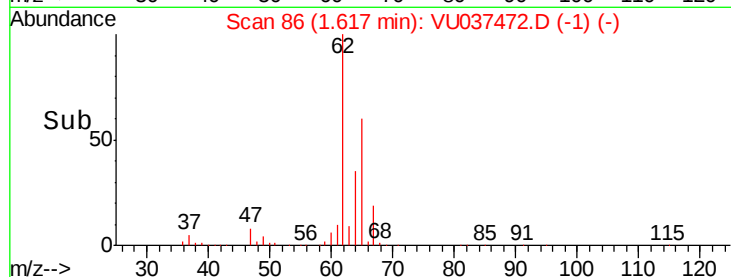
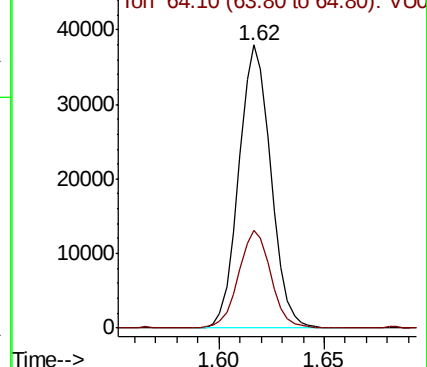
Ion Ratio Lower Upper

62 100

64 34.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU037472.D (-1) (-)



#6

Bromomethane

Concen: 3.634 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.01 min

Lab File: VU037472.D

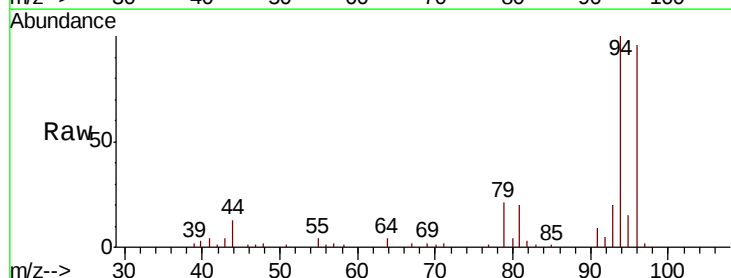
Acq: 30 Mar 2020 19:08

Tgt Ion: 94 Resp: 16393

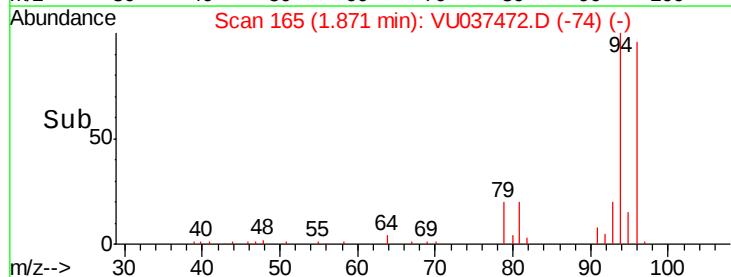
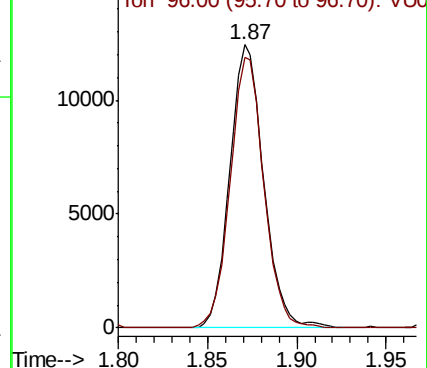
Ion Ratio Lower Upper

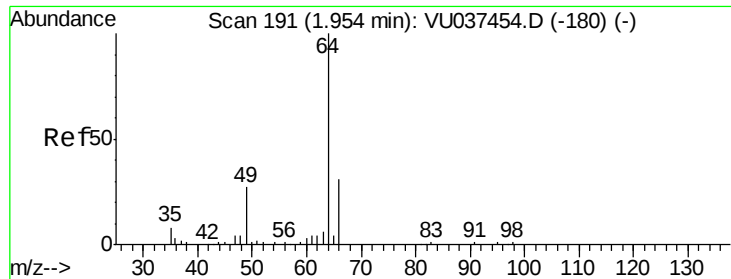
94 100

96 95.6 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU037472.D (-74) (-)





#8

Chloroethane

Concen: 4.932 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

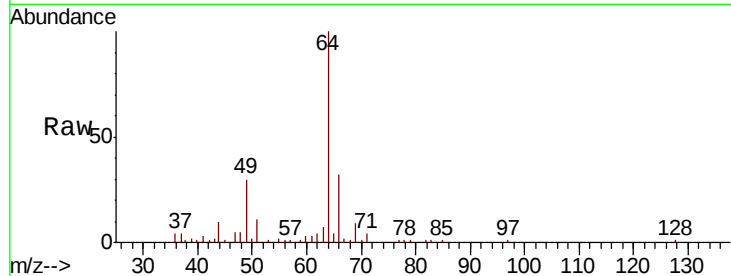
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 22027

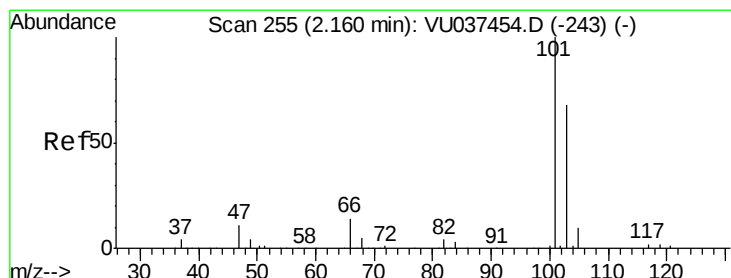
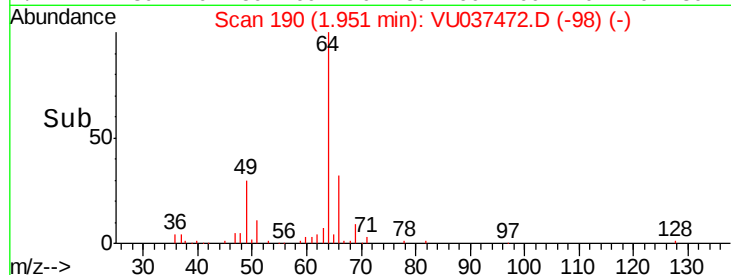
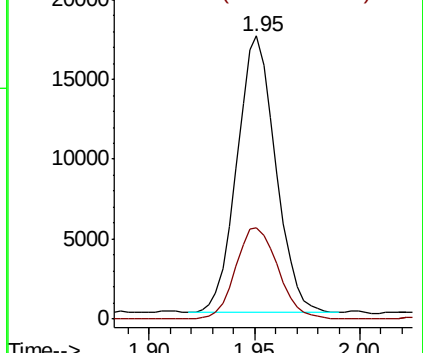
Ion Ratio Lower Upper

64 100

66 32.3 24.8 46.0



Abundance Ion 64.10 (63.80 to 64.80): VU037454.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 5.217 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037472.D

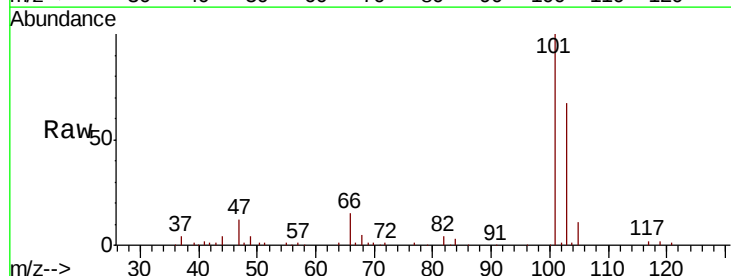
Acq: 30 Mar 2020 19:08

Tgt Ion:101 Resp: 55913

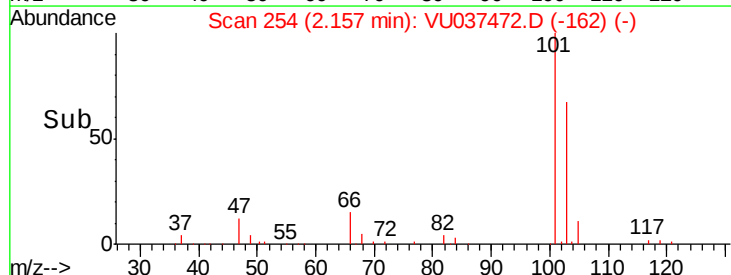
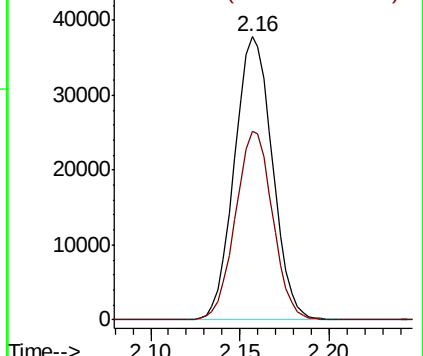
Ion Ratio Lower Upper

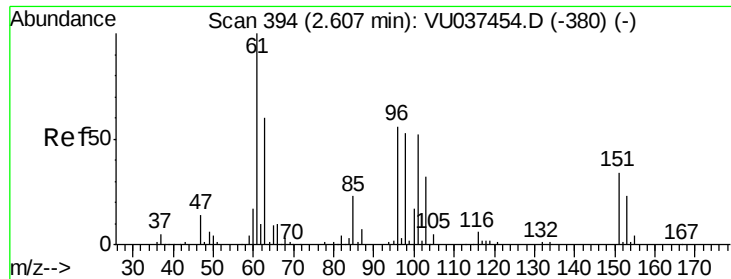
101 100

103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU037454.D (-243) (-)





#10

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

Concen: 5.026 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

ClientSampled :

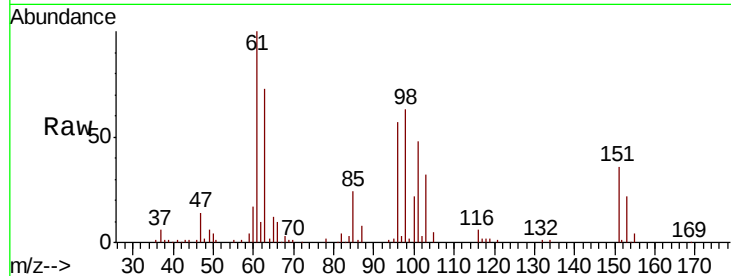
Tot Ion:101 Resp: 32826

Ion Ratio Lower Upper

101 100

85 47.5 39.0 58.6

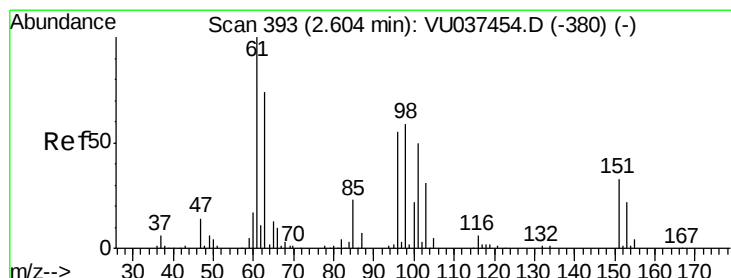
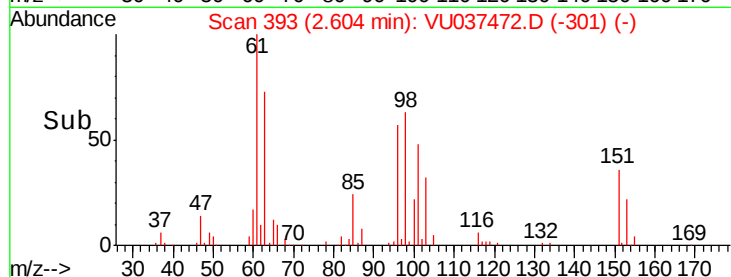
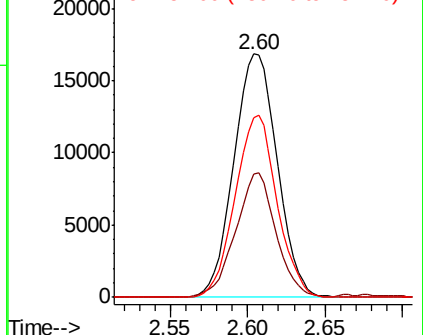
151 72.1 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.933 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

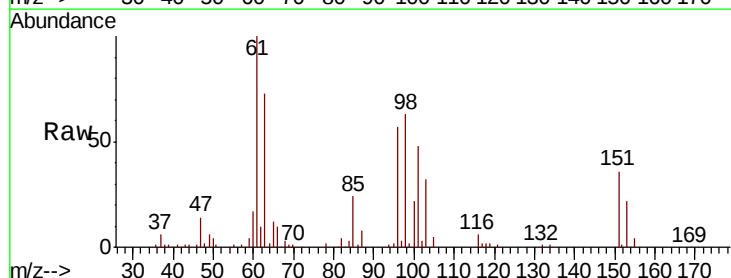
Tgt Ion: 96 Resp: 33180

Ion Ratio Lower Upper

96 100

61 174.0 125.4 232.8

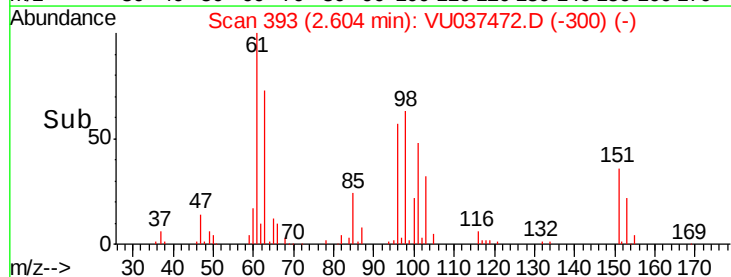
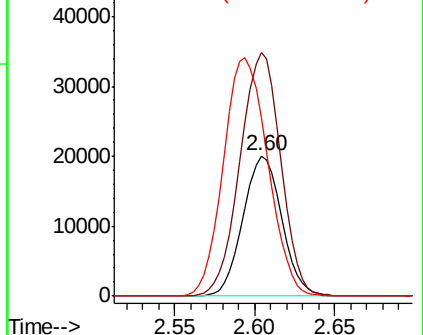
63 127.4 90.9 168.7

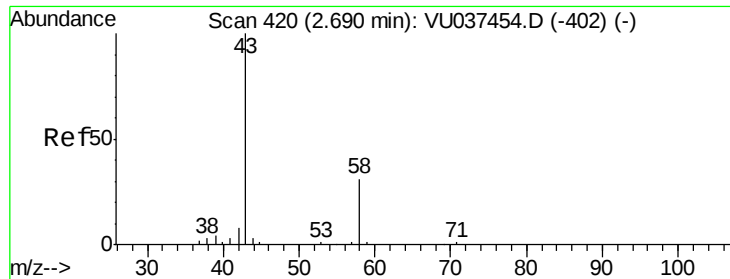


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.837 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.04 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

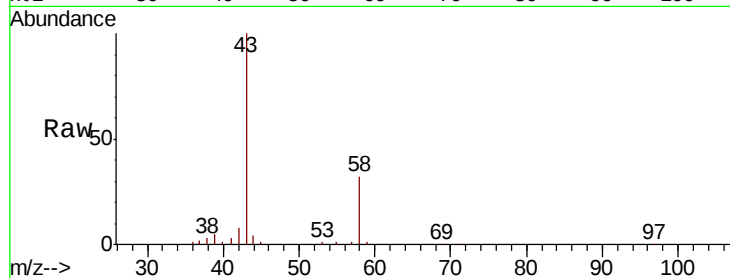
ClientSampleId :

Tot Ion: 43 Resp: 53012

Ion Ratio Lower Upper

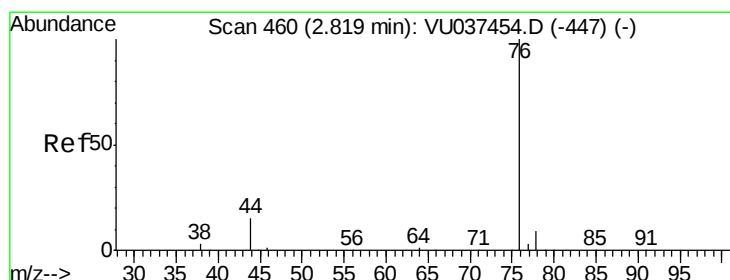
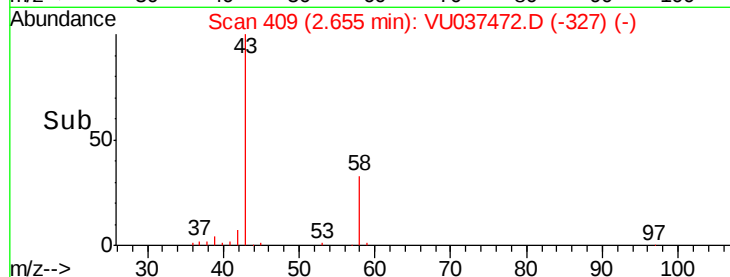
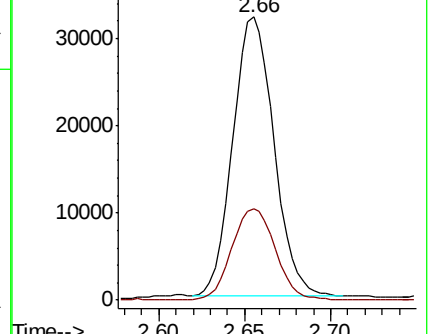
43 100

58 34.8 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU037472.D (-327) (-)

Ion 58.05 (57.75 to 58.75): VU037472.D (-327) (-)



#14

Carbon disulfide

Concen: 4.804 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037472.D

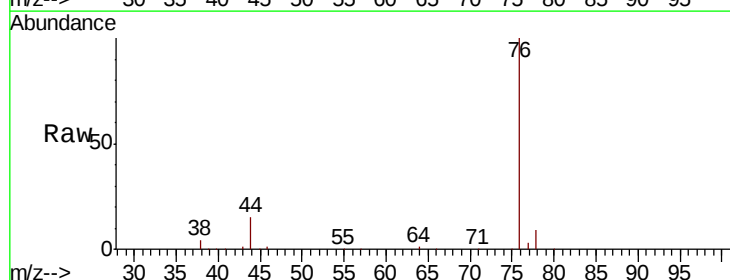
Acq: 30 Mar 2020 19:08

Tgt Ion: 76 Resp: 110543

Ion Ratio Lower Upper

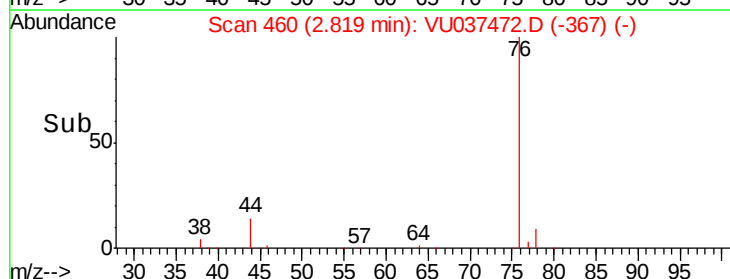
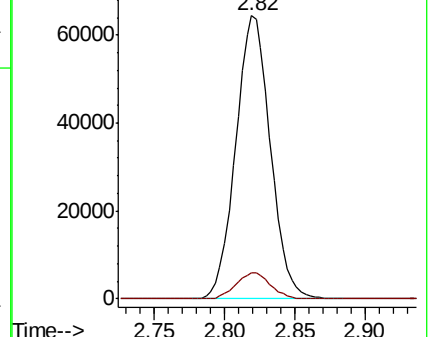
76 100

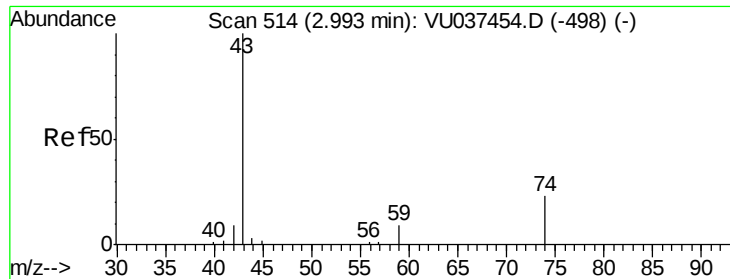
78 9.2 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037472.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037472.D (-367) (-)





#15

Methvl Acetate

Concen: 4.820 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.01 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

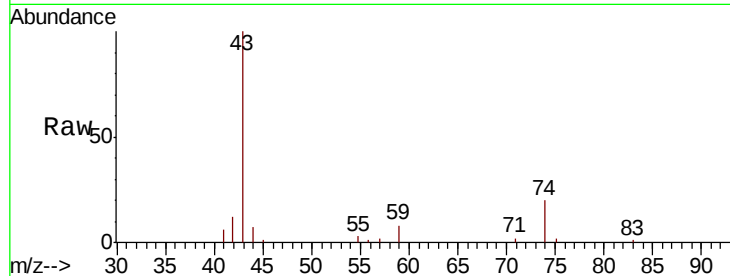
ClientSampleId :

Tot Ion: 43 Resp: 15920

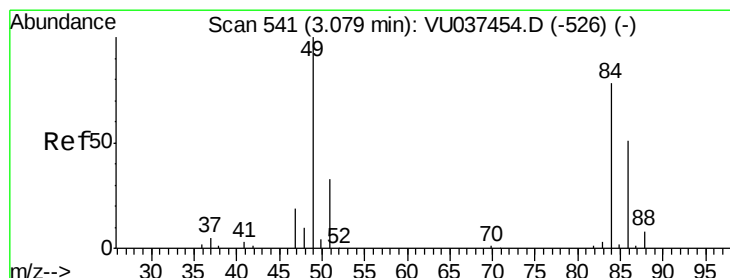
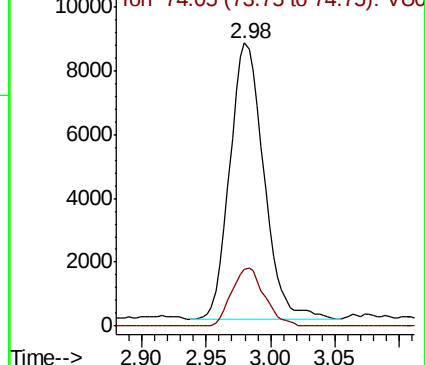
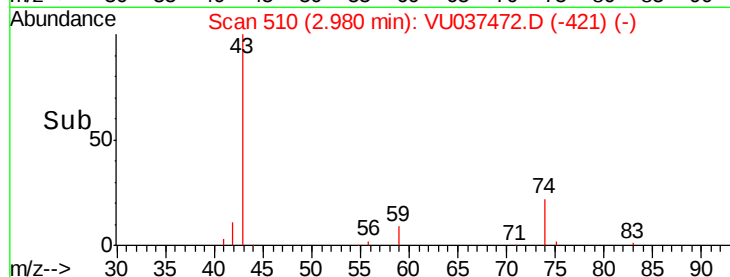
Ion Ratio Lower Upper

43 100

74 20.3 19.8 29.6



Abundance Ion 43.05 (42.75 to 43.75): VU037472.D (-421) (-)



#16

Methylene chloride

Concen: 4.805 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

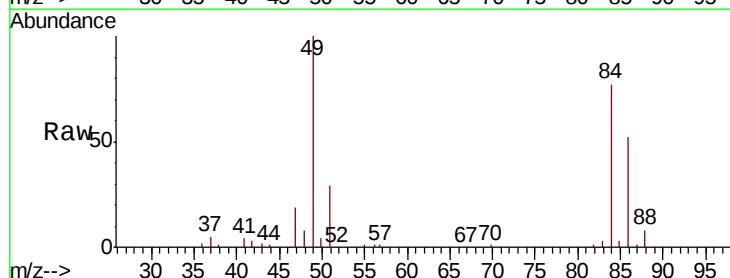
Tgt Ion: 84 Resp: 36121

Ion Ratio Lower Upper

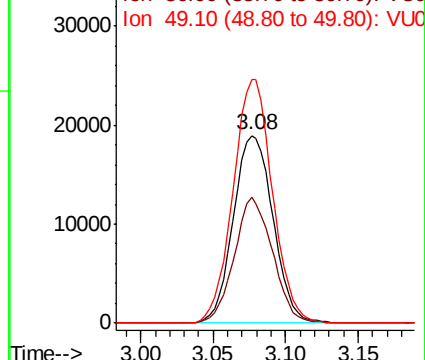
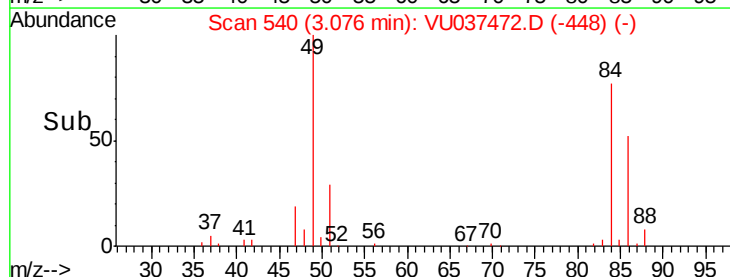
84 100

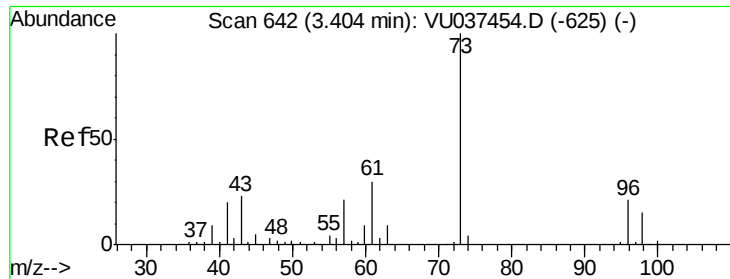
86 67.0 43.6 81.0

49 129.8 86.4 160.4



Abundance Ion 84.05 (83.75 to 84.75): VU037472.D (-448) (-)

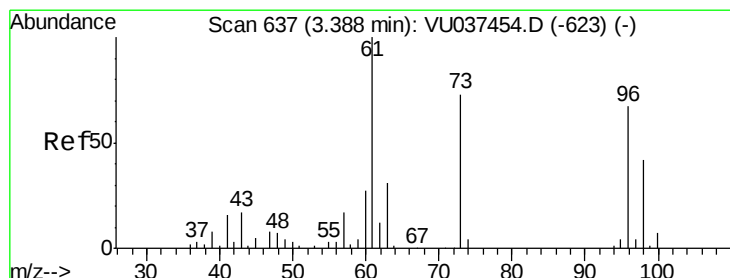
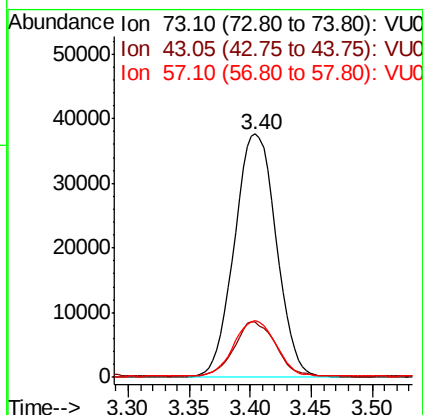
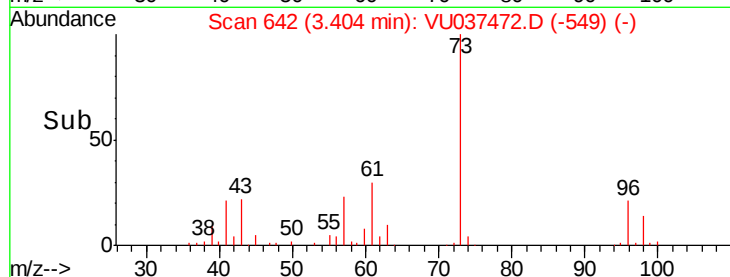
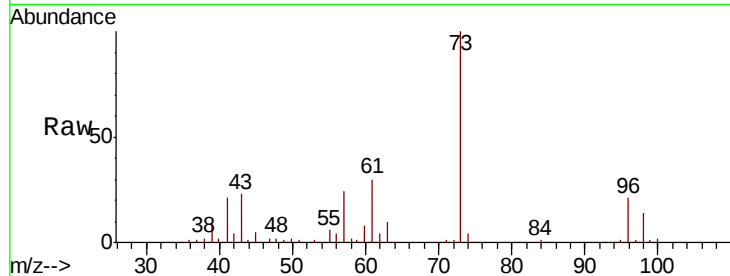




#17
Methvl tert-butvl Ether
Concen: 4.889 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

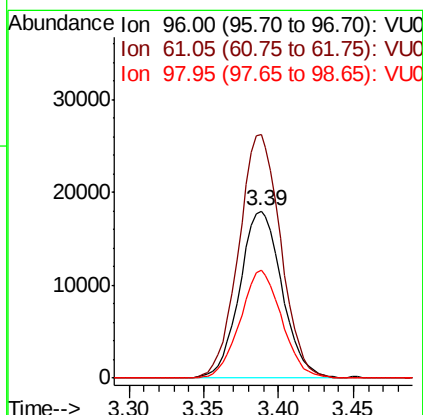
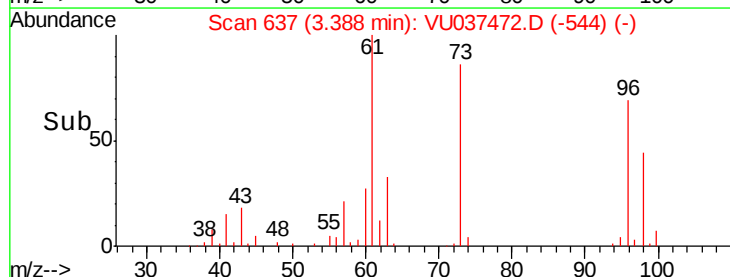
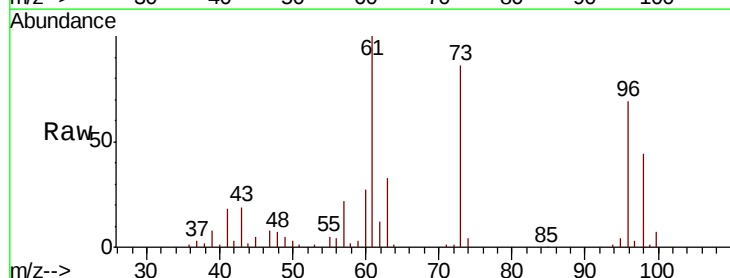
Instrument :
MSVOA_U
ClientSampleId :

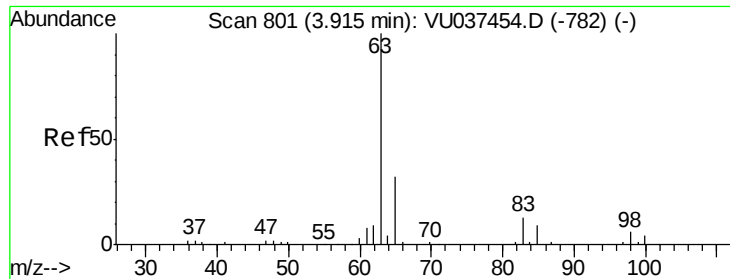
Tot Ion: 73 Resp: 89481
Ion Ratio Lower Upper
73 100
43 22.4 17.4 26.2
57 22.5 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.035 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Tgt Ion: 96 Resp: 35416
Ion Ratio Lower Upper
96 100
61 146.0 99.9 185.5
98 64.7 45.4 84.4

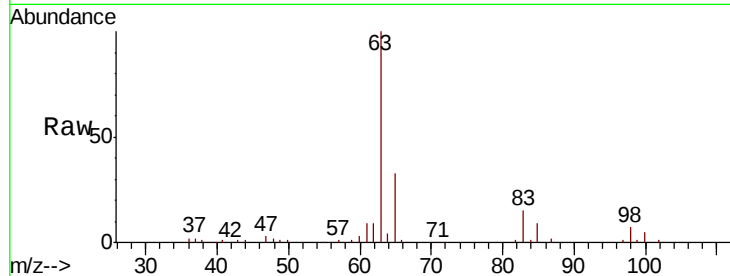




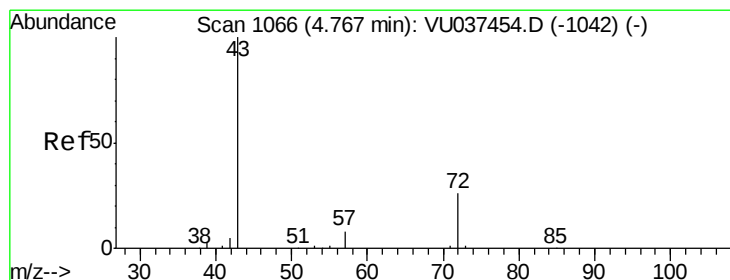
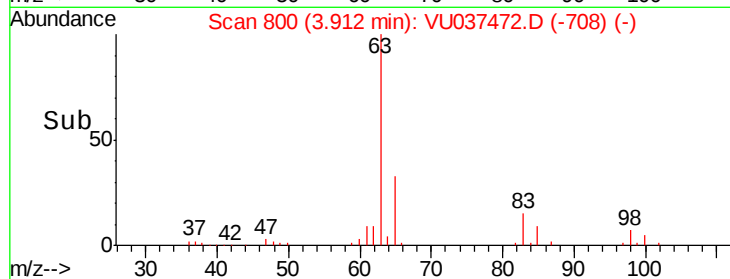
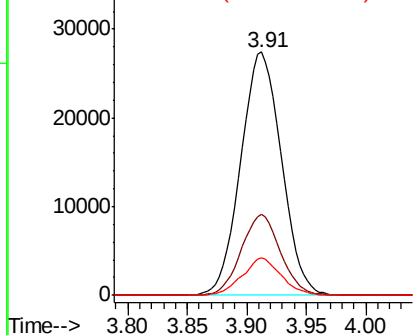
#19
 1,1-Dichloroethane
 Concen: 4.946 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 65022
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.7 43.9
 83 15.3 10.6 19.6

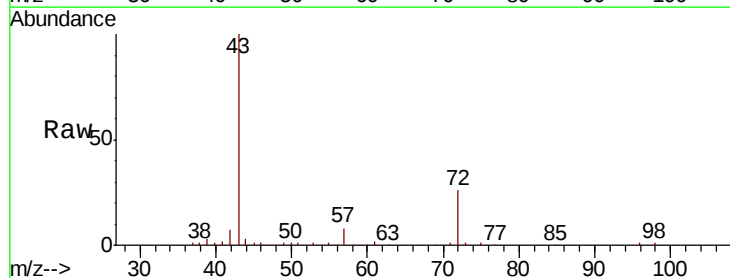


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

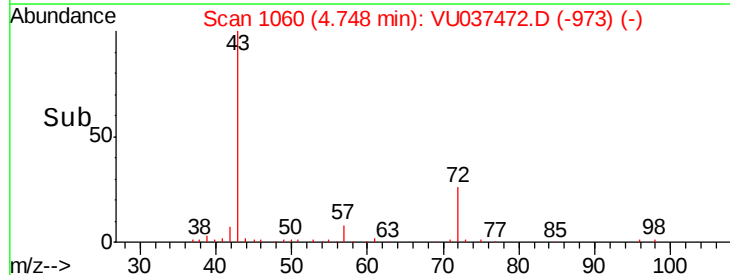
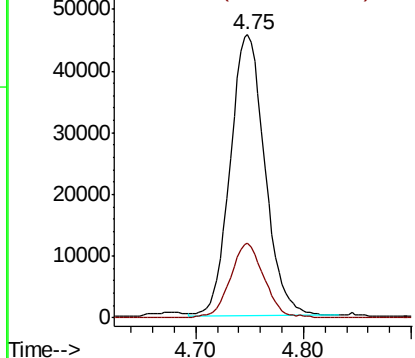


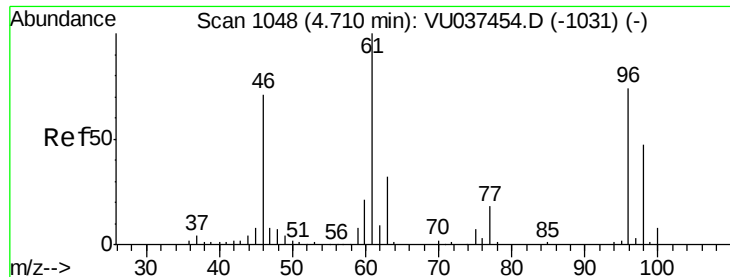
#21
 2-Butanone
 Concen: 50.588 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Tgt Ion: 43 Resp: 101680
 Ion Ratio Lower Upper
 43 100
 72 26.2 14.2 42.6



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

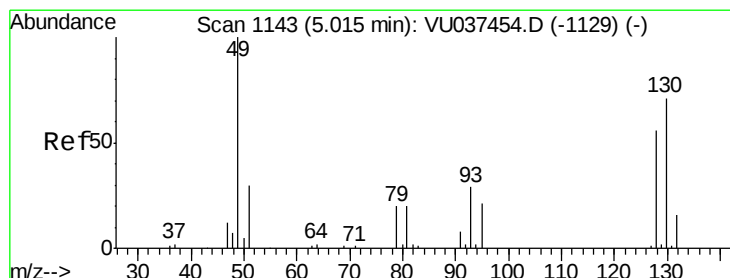
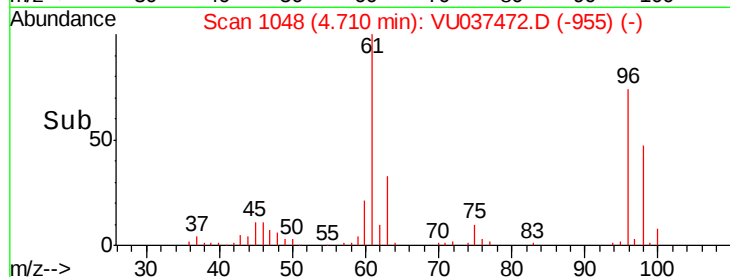
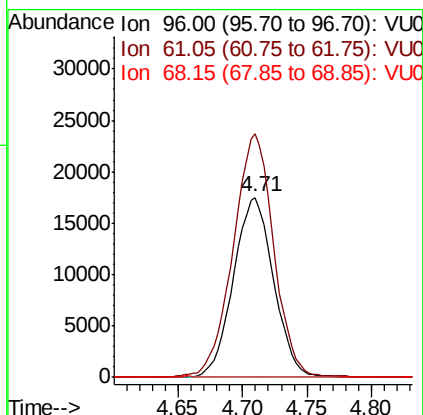
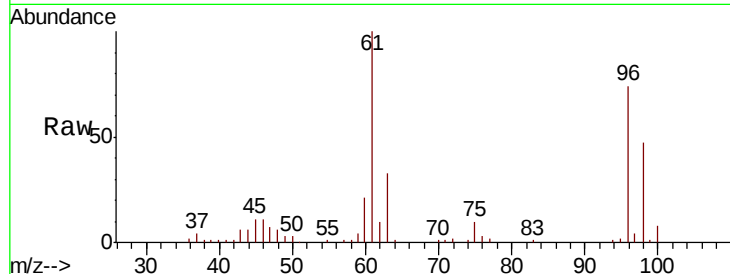




#22
 cis-1,2-Dichloroethene
 Concen: 4.808 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

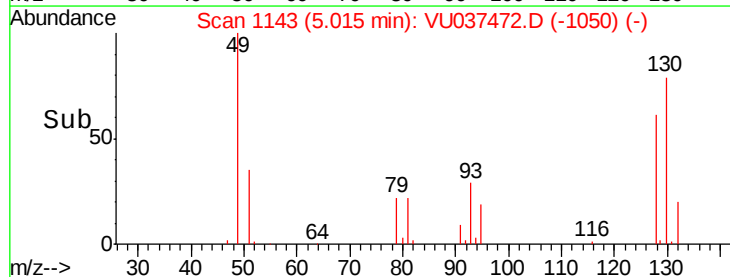
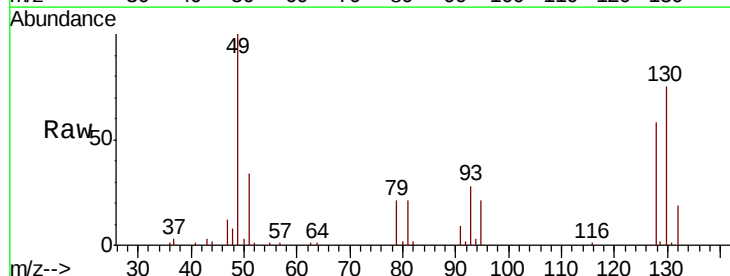
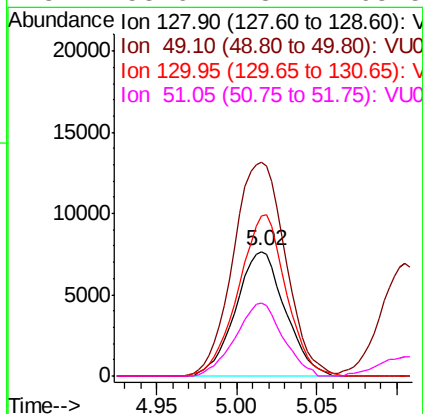
Instrument :
 MSVOA_U
 ClientSampleId :

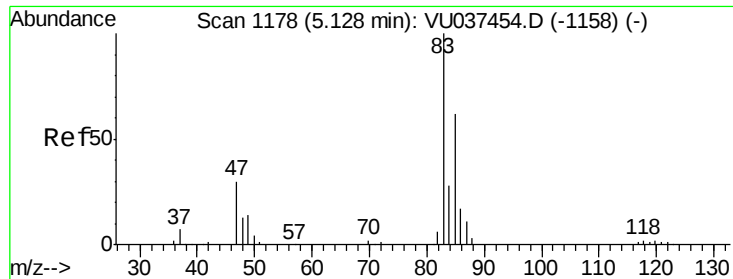
Tot Ion: 96 Resp: 37899
 Ion Ratio Lower Upper
 96 100
 61 135.5 91.6 170.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.648 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Tgt Ion: 128 Resp: 16183
 Ion Ratio Lower Upper
 128 100
 49 171.2 119.1 221.3
 130 128.5 92.6 172.0
 51 58.6 43.7 65.5

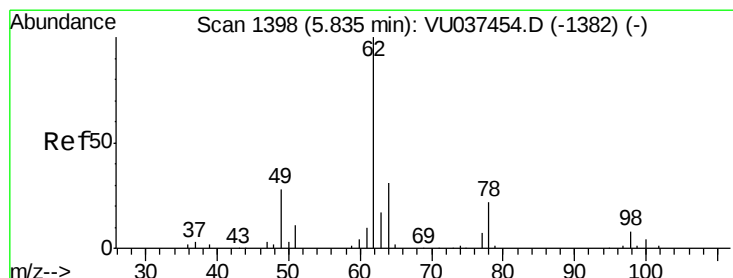
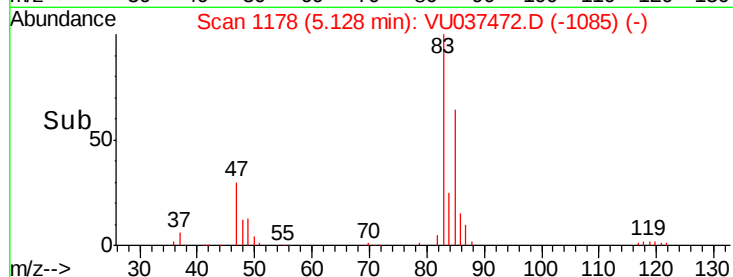
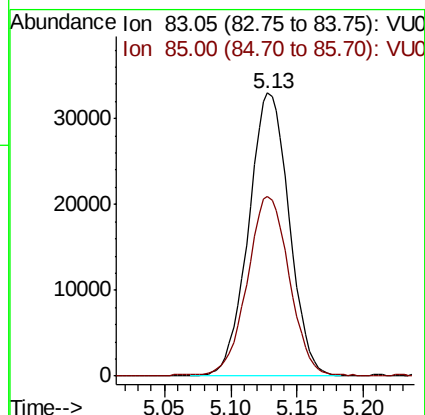
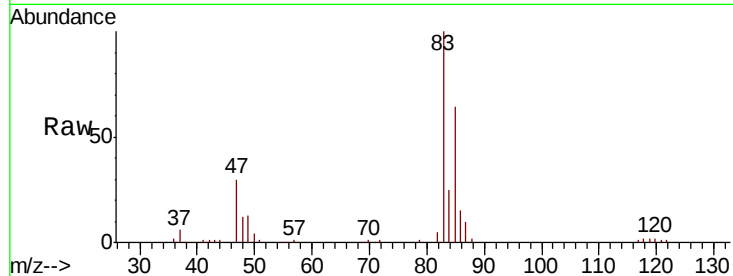




#25
Chloroform
Concen: 5.084 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

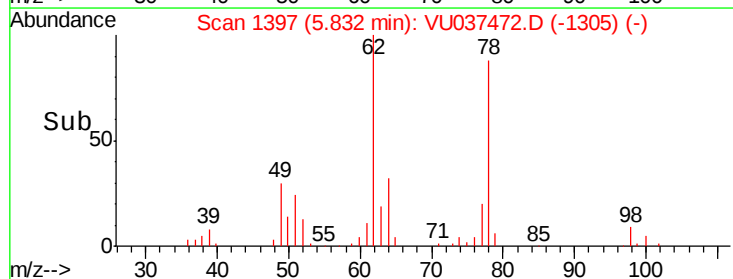
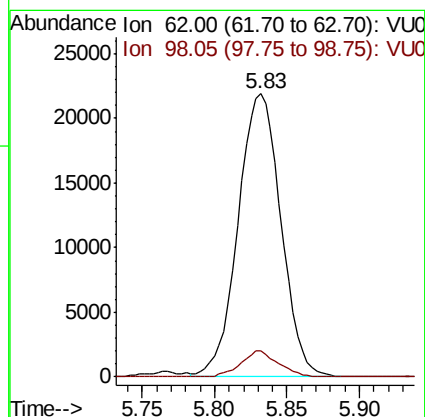
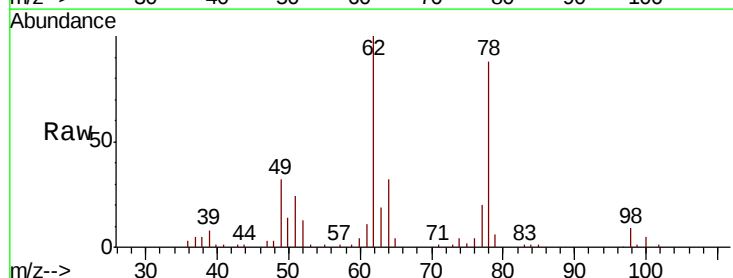
Instrument :
MSVOA_U
ClientSampleId :

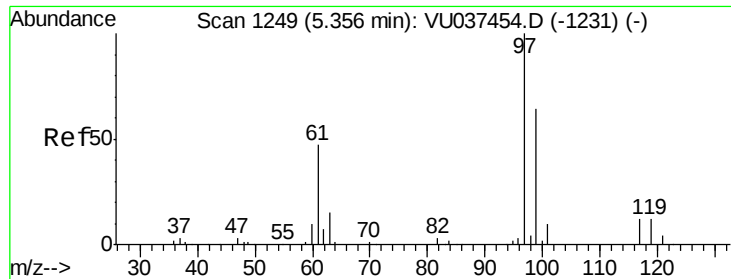
Tot Ion: 83 Resp: 70311
Ion Ratio Lower Upper
83 100
85 63.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.877 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Tgt Ion: 62 Resp: 45055
Ion Ratio Lower Upper
62 100
98 9.2 7.3 10.9

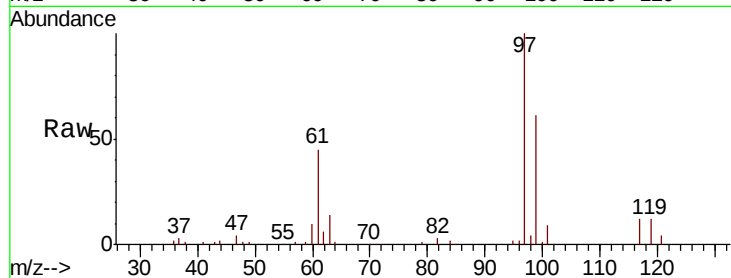




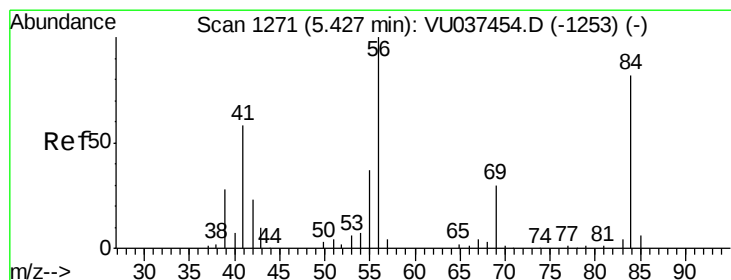
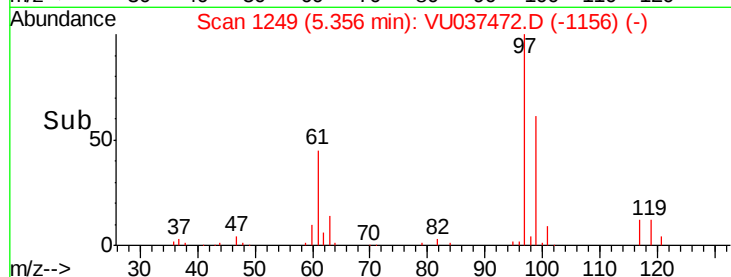
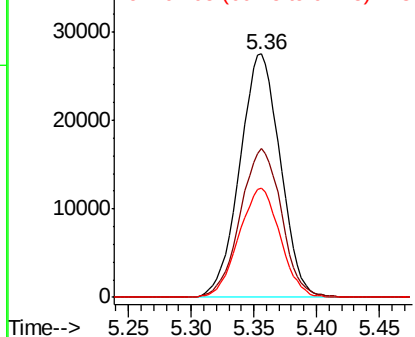
#29
1,1,1-Trichloroethane
Concen: 5.091 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 61763
Ion Ratio Lower Upper
97 100
99 62.1 51.0 76.6
61 45.9 36.7 55.1

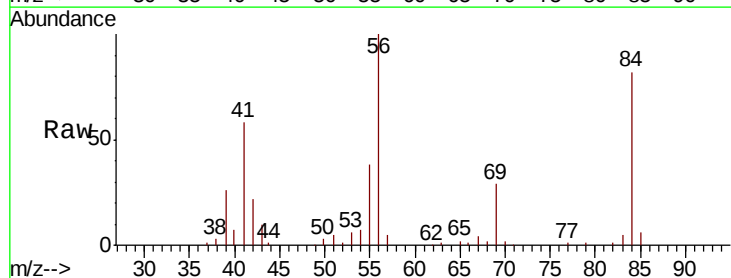


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

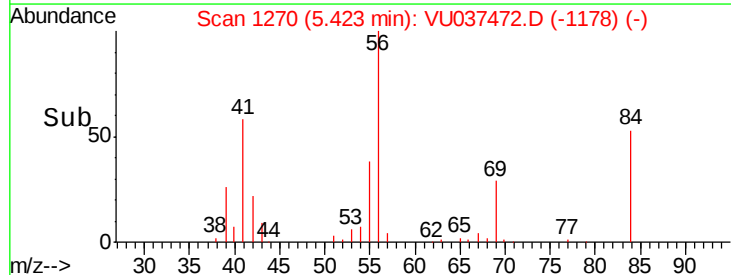
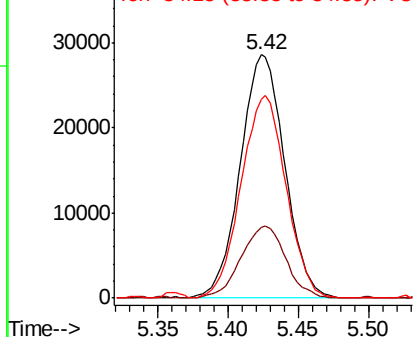


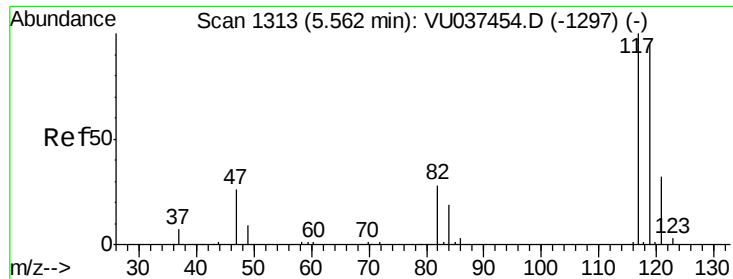
#30
Cyclohexane
Concen: 5.070 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Tgt Ion: 56 Resp: 63020
Ion Ratio Lower Upper
56 100
69 29.9 25.7 38.5
84 84.3 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

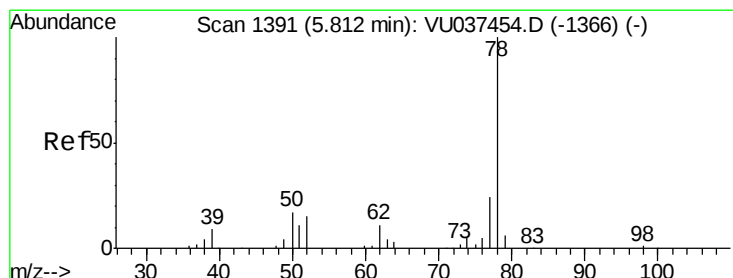
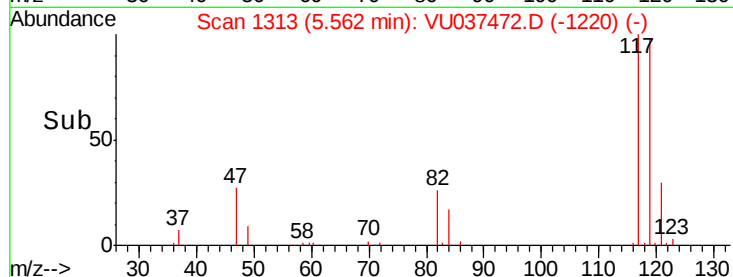
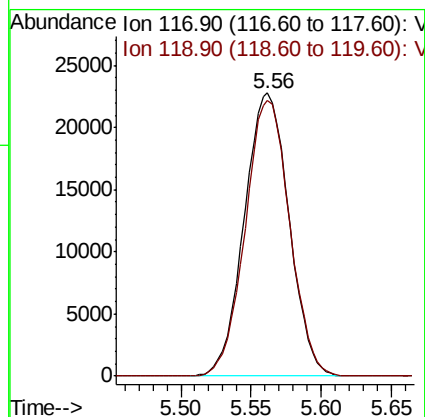
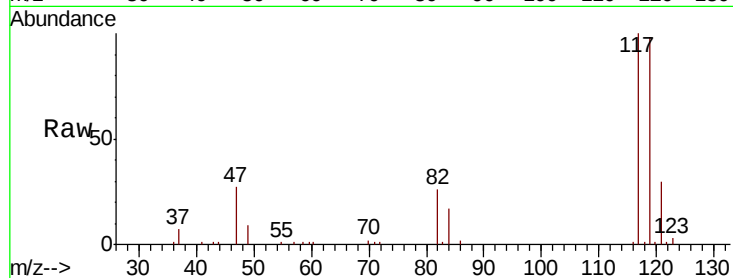




#31
Carbon tetrachloride
Concen: 4.818 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

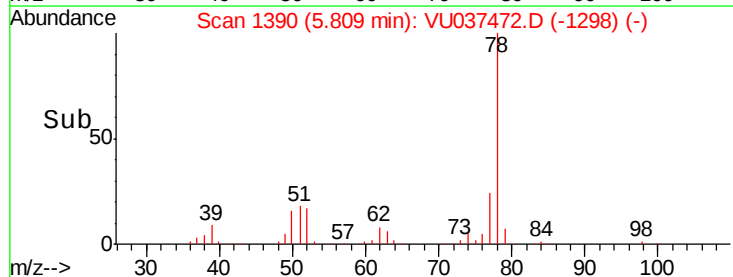
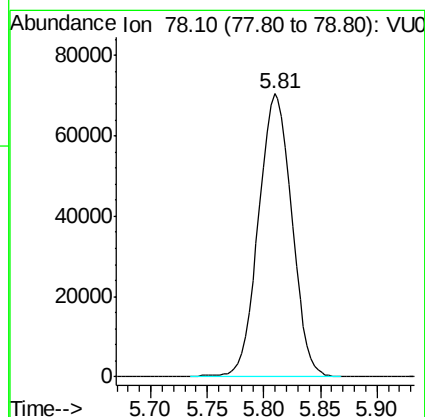
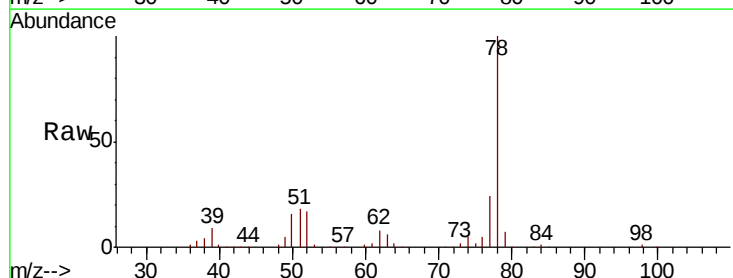
Instrument :
MSVOA_U
ClientSampleId :

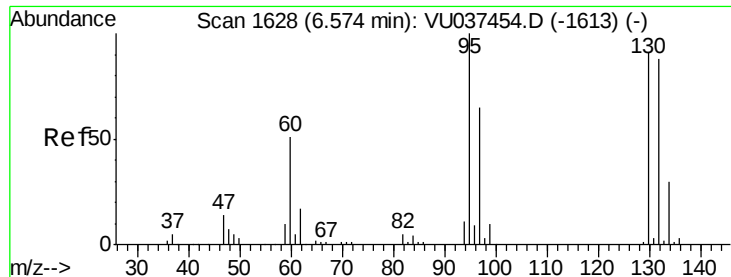
Tot Ion:117 Resp: 50468
Ion Ratio Lower Upper
117 100
119 96.8 77.7 116.5



#33
Benzene
Concen: 5.060 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Tgt Ion: 78 Resp: 144630

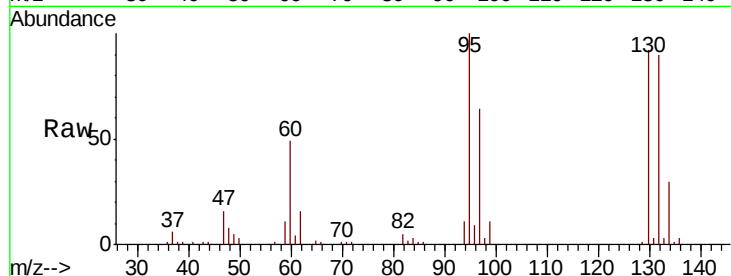




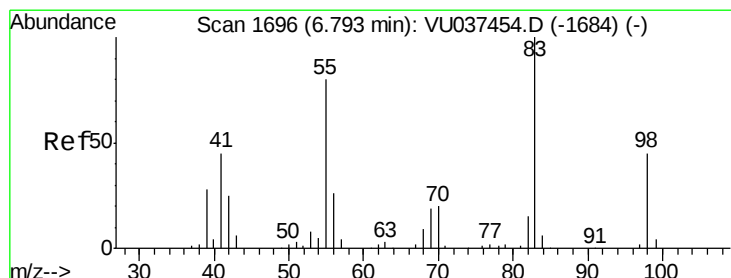
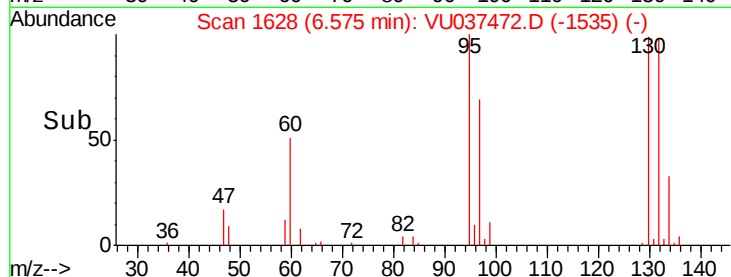
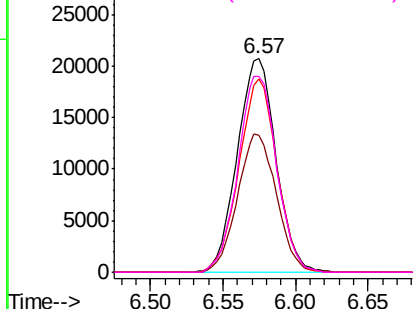
#34
 Trichloroethene
 Concen: 4.732 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 38518
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.3 84.1
 132 90.3 62.7 116.5
 130 91.6 69.1 128.3

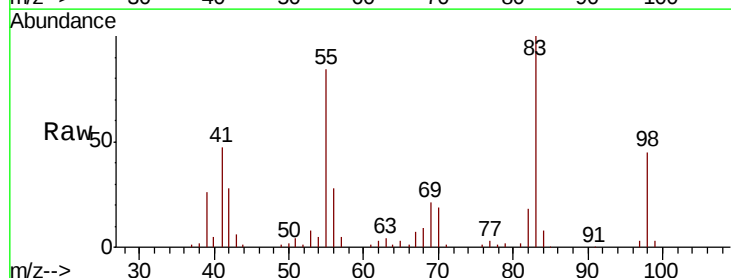


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

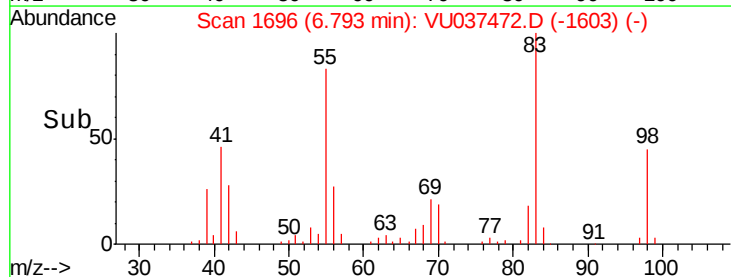
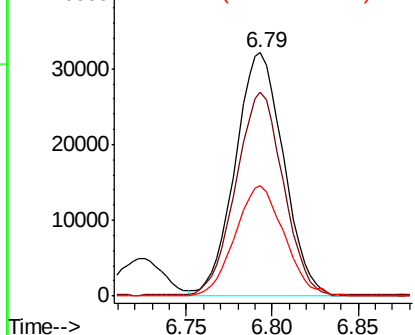


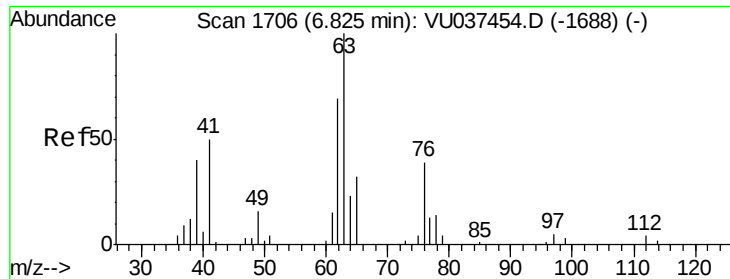
#35
 Methylcyclohexane
 Concen: 4.879 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Tgt Ion: 83 Resp: 62851
 Ion Ratio Lower Upper
 83 100
 55 81.1 64.2 96.4
 98 46.0 36.3 54.5



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

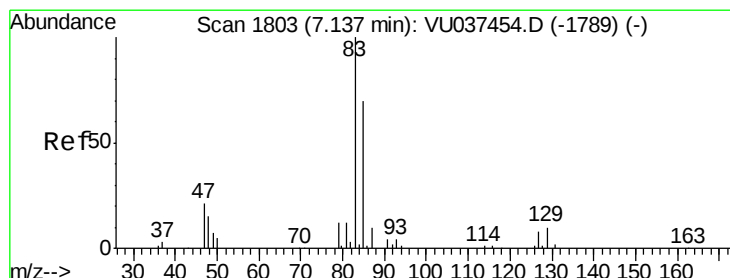
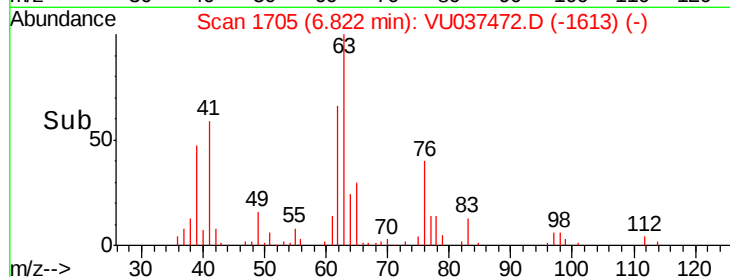
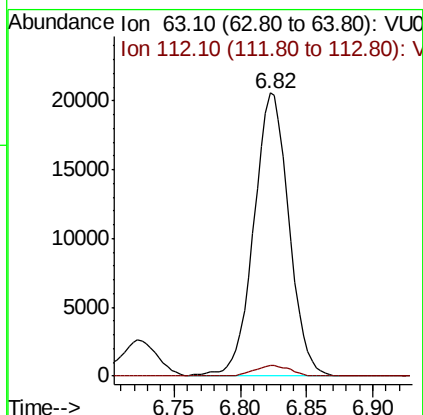
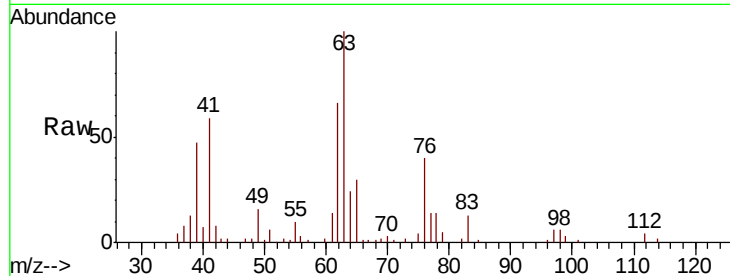




#37
 1,2-Dichloropropane
 Concen: 5.156 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

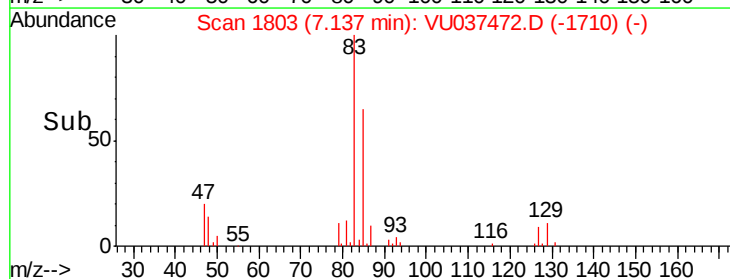
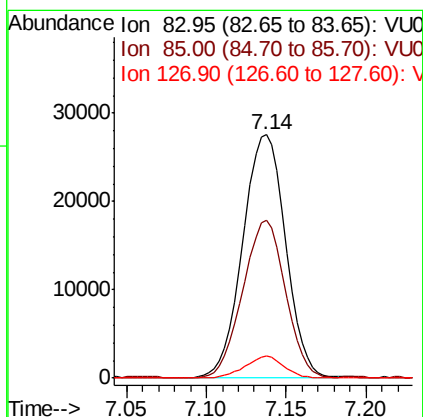
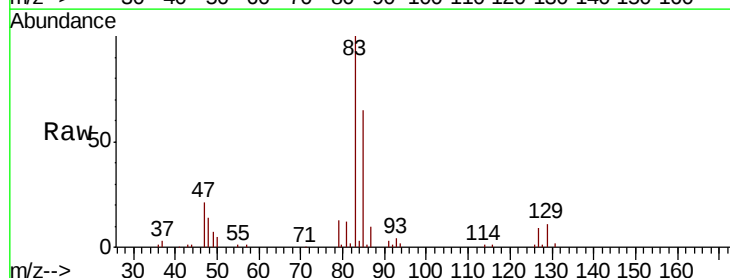
Instrument :
 MSVOA_U
 ClientSampleId :

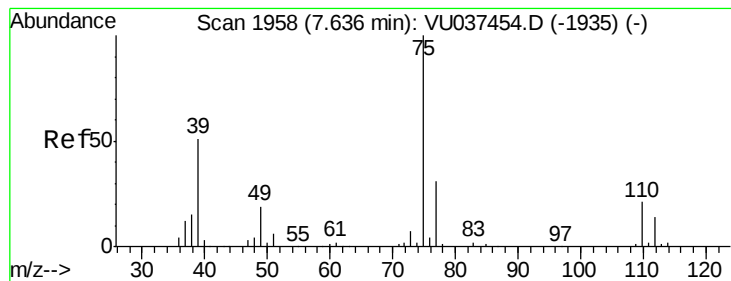
Tot Ion: 63 Resp: 38093
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.011 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Tgt Ion: 83 Resp: 50632
 Ion Ratio Lower Upper
 83 100
 85 65.1 42.4 78.8
 127 8.9 7.0 10.6



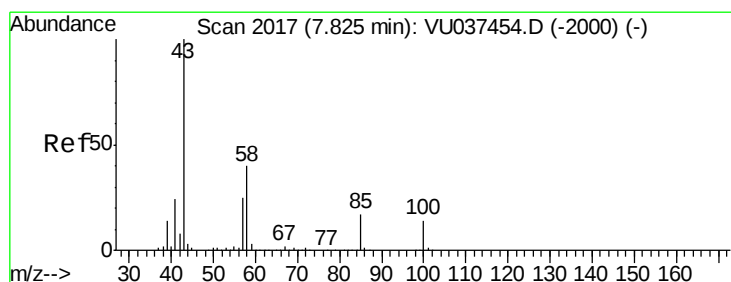
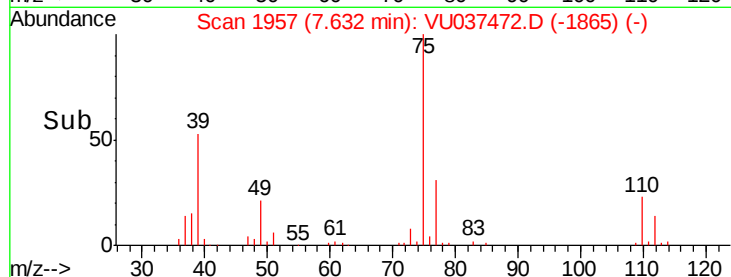
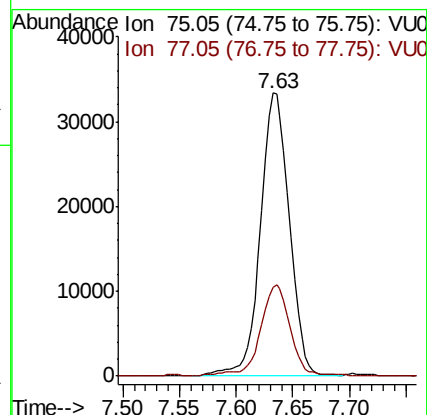
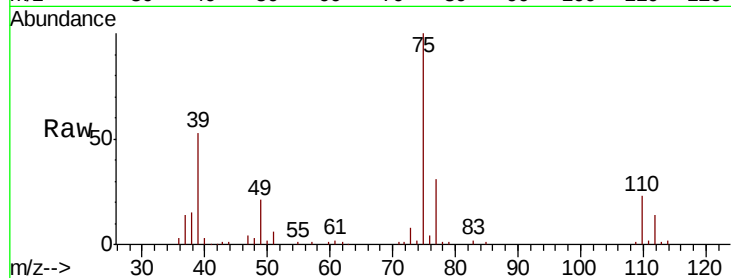


#39

cis-1,3-Dichloropropene
Concen: 4.940 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Instrument :
MSVOA_U
ClientSampleId :

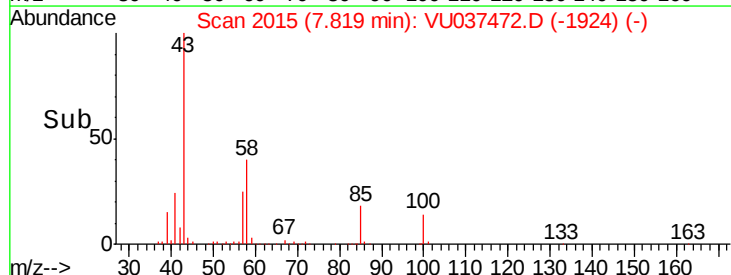
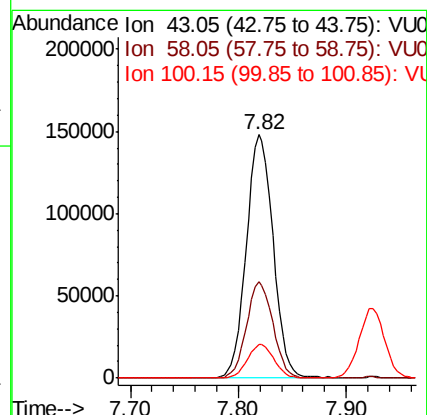
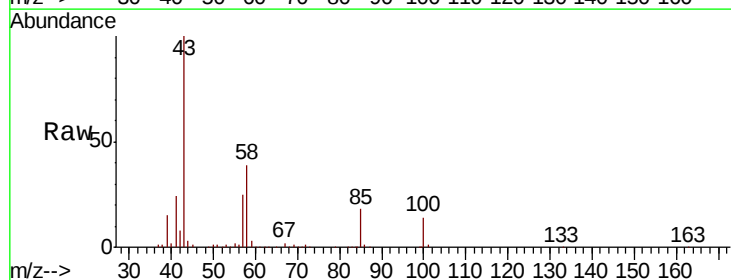
Tot Ion: 75 Resp: 59516
Ion Ratio Lower Upper
75 100
77 31.2 21.1 39.3

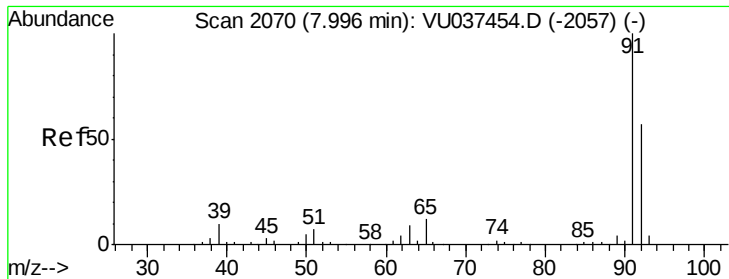


#40

4-Methyl-2-pentanone
Concen: 51.801 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Tgt Ion: 43 Resp: 254816
Ion Ratio Lower Upper
43 100
58 39.2 32.1 48.1
100 13.7 11.6 17.4





#42

Toluene

Concen: 5.064 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

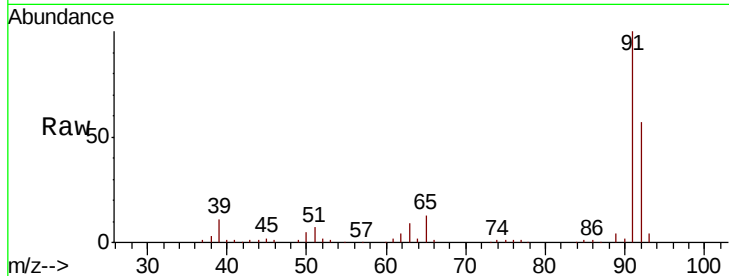
ClientSampleId :

Tot Ion: 91 Resp: 155976

Ion Ratio Lower Upper

91 100

92 57.2 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037454.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU037454.D (-2057) (-)

8.00

100000

80000

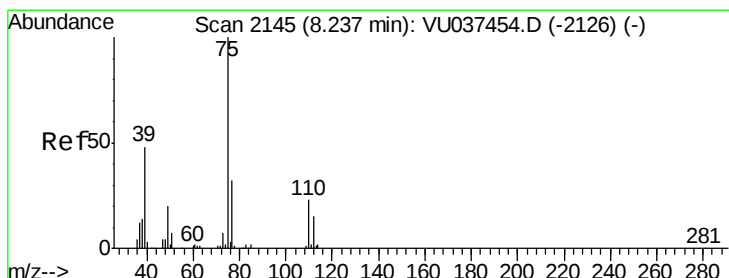
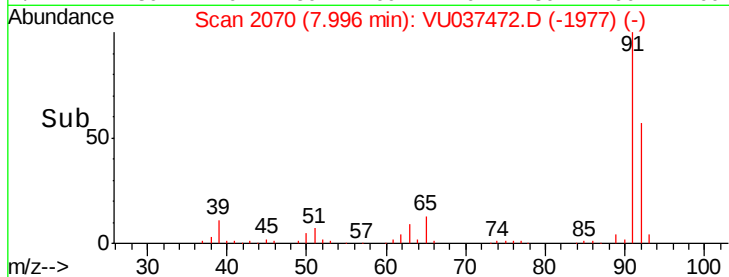
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.918 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037472.D

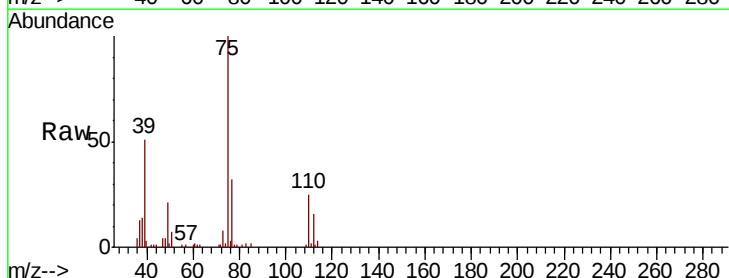
Acq: 30 Mar 2020 19:08

Tgt Ion: 75 Resp: 52975

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU037454.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU037454.D (-2126) (-)

8.23

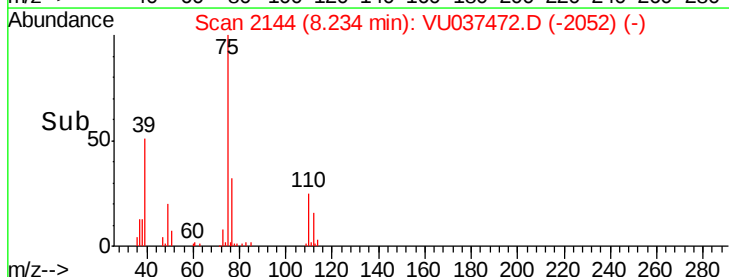
30000

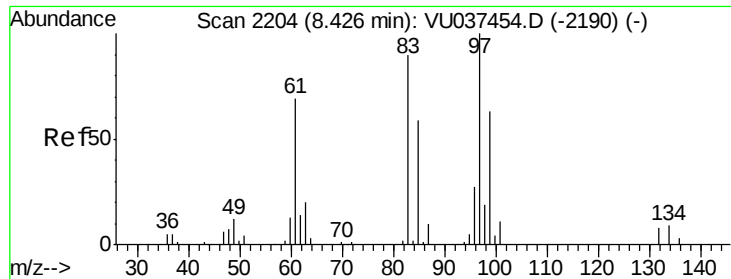
20000

10000

0

Time-->

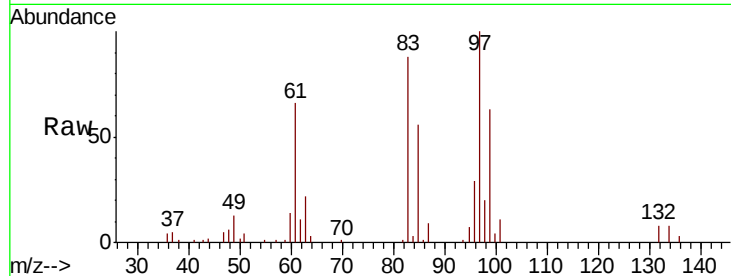




#45
 1,1,2-Trichloroethane
 Concen: 4.998 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	27617
Ion	Ratio	Lower	Upper
97	100		
99	63.1	41.1	76.3
83	87.9	58.7	108.9
85	56.2	38.2	71.0



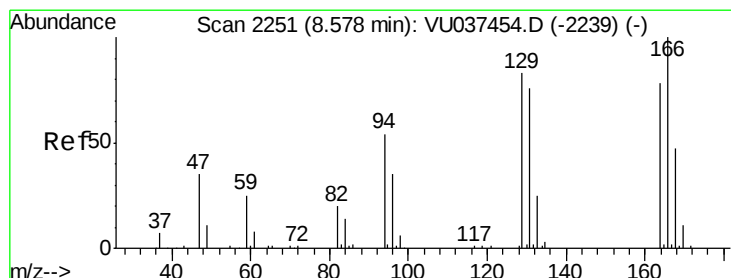
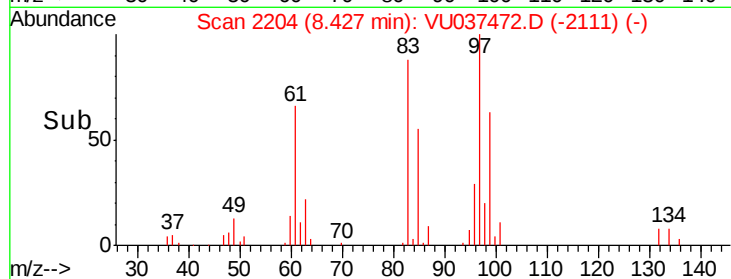
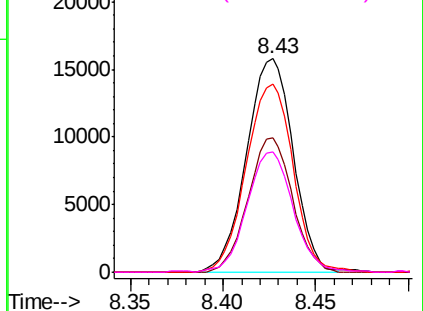
Abundance

Ion 96.95 (96.65 to 97.65): VU037472.D (-2190) (-)

Ion 99.05 (98.75 to 99.75): VU037472.D (-2190) (-)

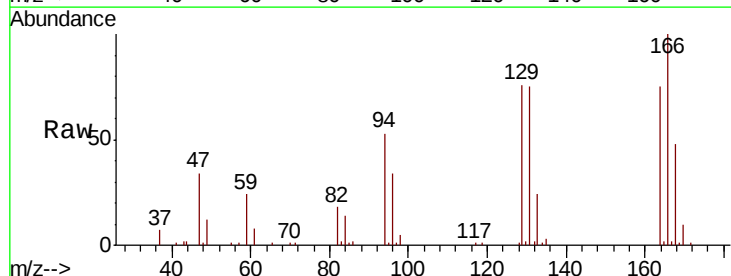
Ion 82.95 (82.65 to 83.65): VU037472.D (-2190) (-)

Ion 85.00 (84.70 to 85.70): VU037472.D (-2190) (-)



#47
 Tetrachloroethene
 Concen: 4.763 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Tgt Ion:	164	Resp:	26710
Ion	Ratio	Lower	Upper
164	100		
129	101.9	68.8	127.8
131	99.7	66.9	124.3
166	133.3	86.3	160.3



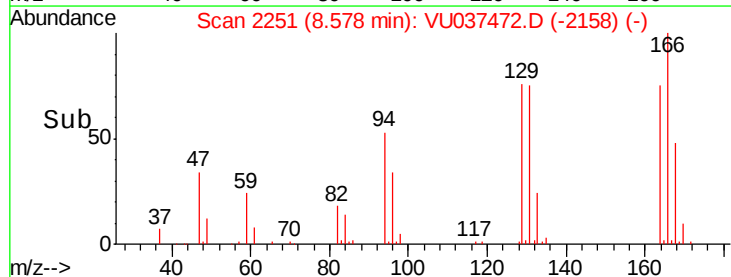
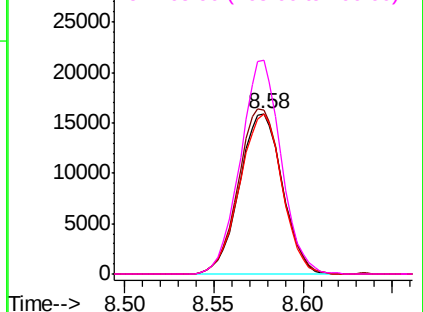
Abundance

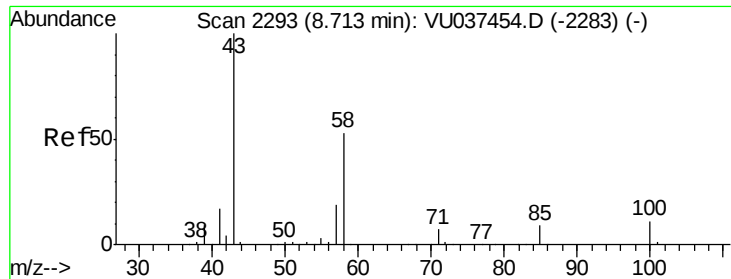
Ion 163.90 (163.60 to 164.60): VU037472.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU037472.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU037472.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU037472.D (-2239) (-)

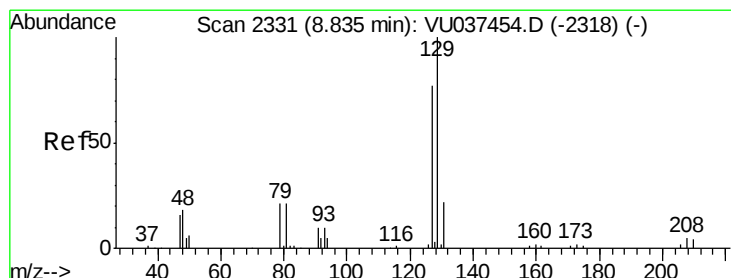
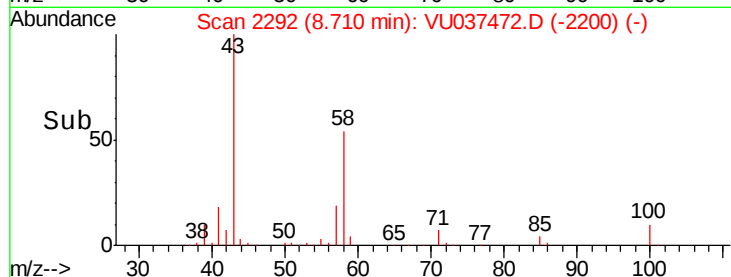
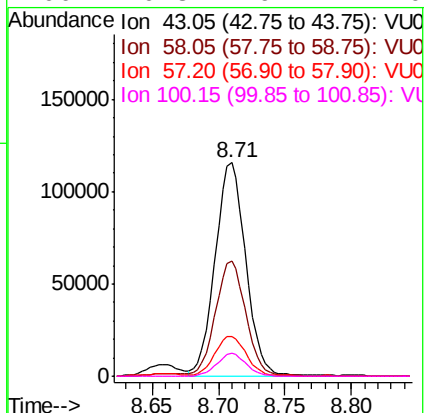
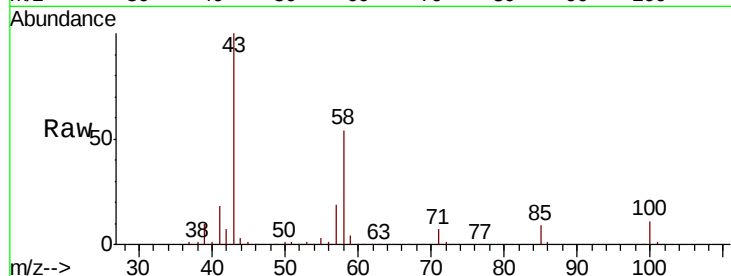




#48
2-Hexanone
Concen: 52.126 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

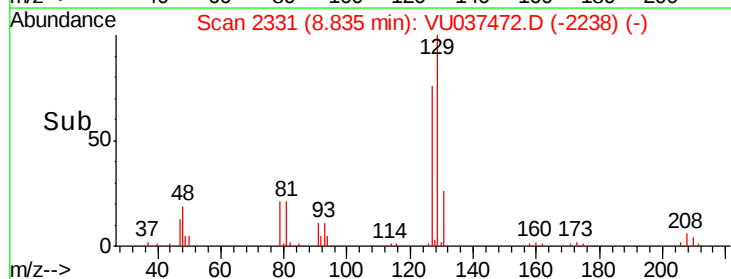
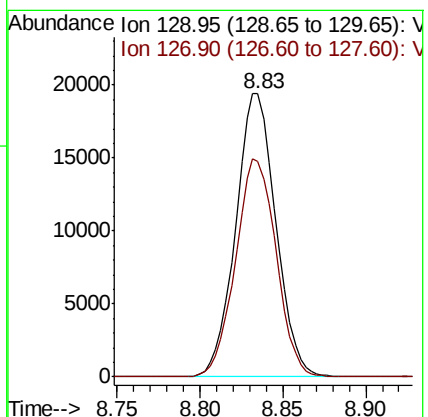
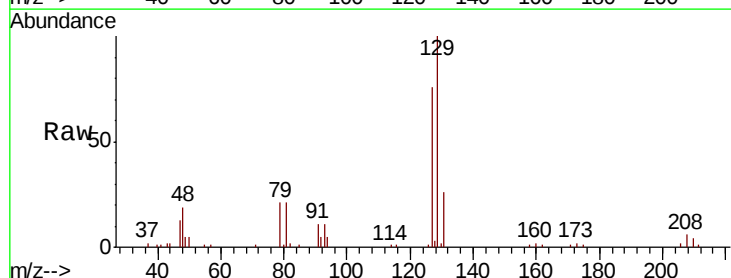
Instrument :
MSVOA_U
ClientSampleId :

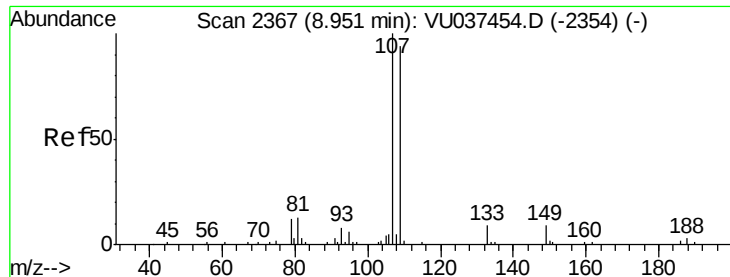
Tot Ion: 43 Resp: 184819
Ion Ratio Lower Upper
43 100
58 53.5 44.2 66.2
57 19.0 15.3 22.9
100 10.3 9.4 14.0



#49
Dibromochloromethane
Concen: 4.781 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Tgt Ion: 129 Resp: 32606
Ion Ratio Lower Upper
129 100
127 76.2 53.5 99.3

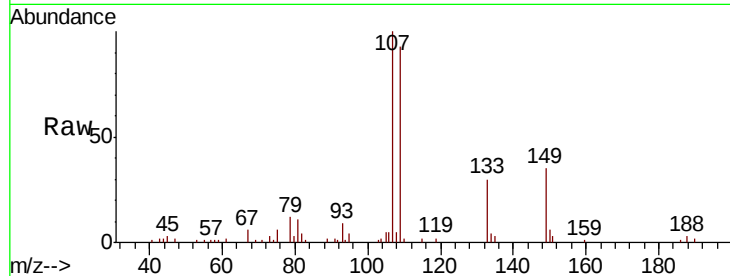




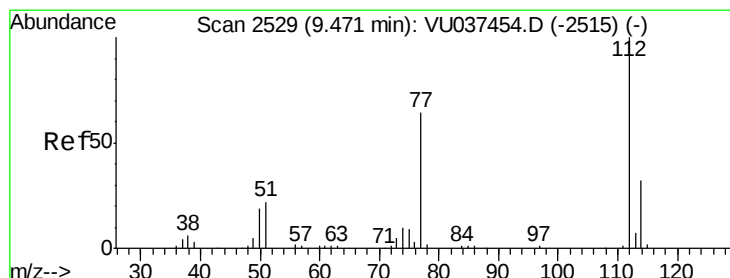
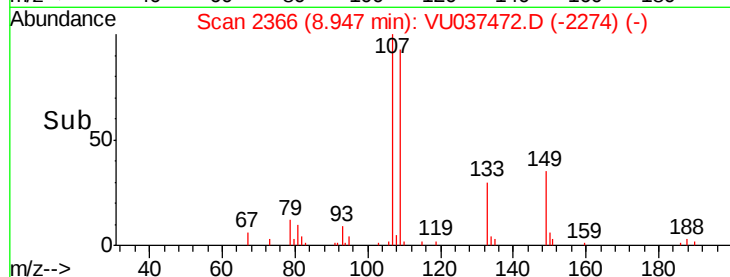
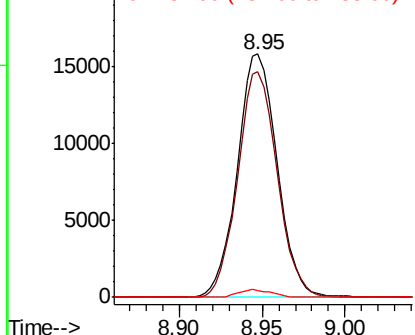
#50
1,2-Dibromoethane
Concen: 4.903 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 26298
Ion Ratio Lower Upper
107 100
109 92.9 64.8 120.4
188 2.9 2.6 4.0

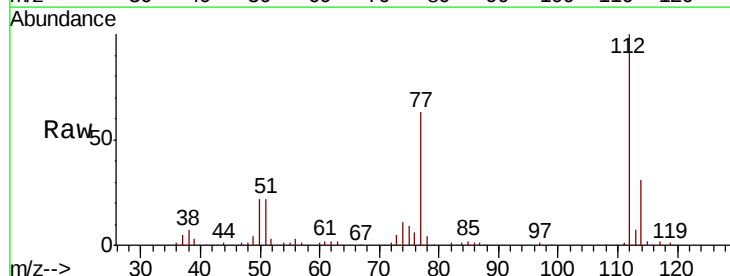


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

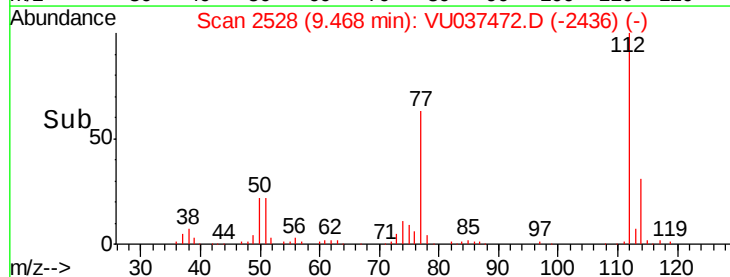
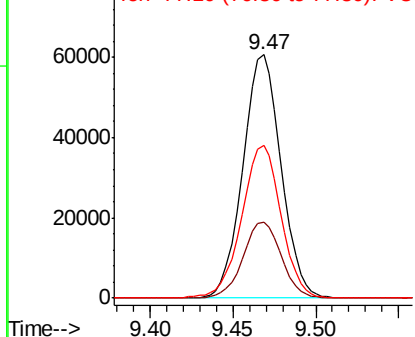


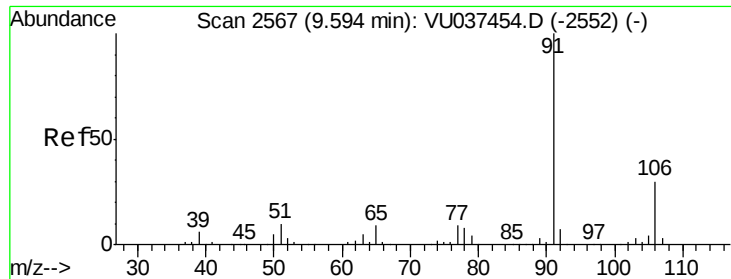
#51
Chlorobenzene
Concen: 4.563 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Tgt Ion:112 Resp: 97088
Ion Ratio Lower Upper
112 100
114 31.4 22.4 41.6
77 62.8 50.5 75.7



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: 5.006 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

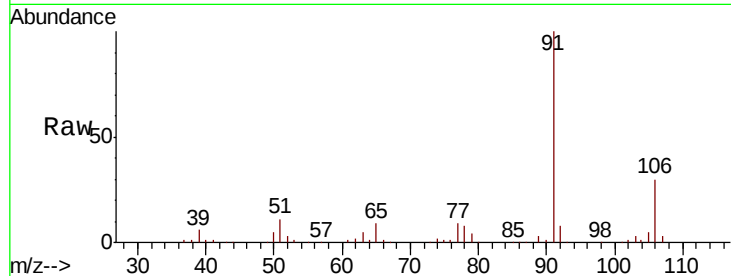
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 176972

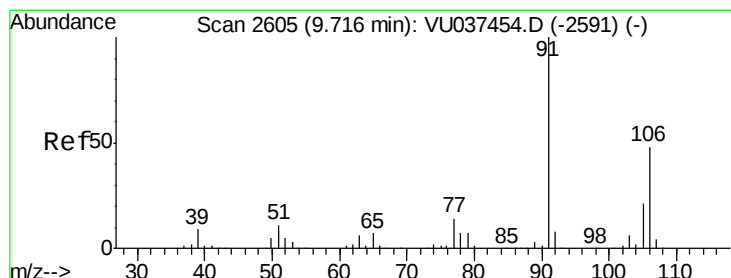
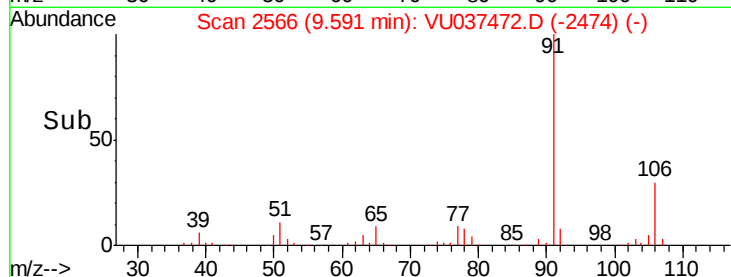
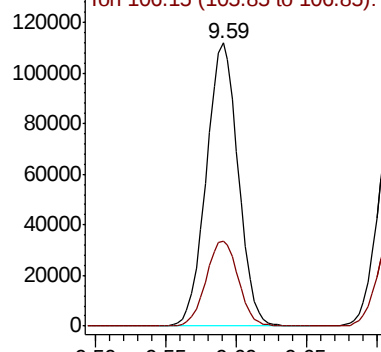
Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU037454.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.002 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037472.D

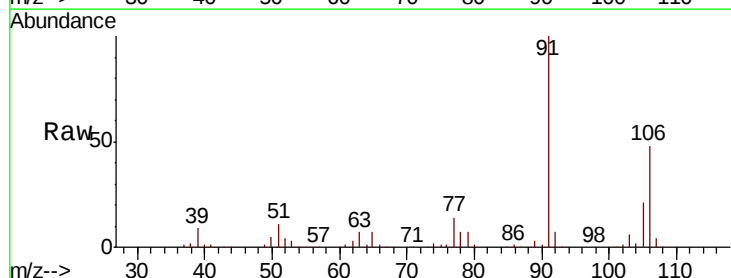
Acq: 30 Mar 2020 19:08

Tgt Ion: 106 Resp: 66808

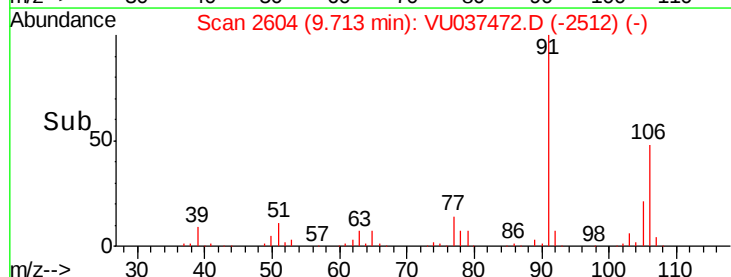
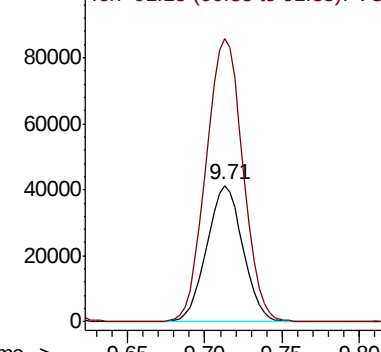
Ion Ratio Lower Upper

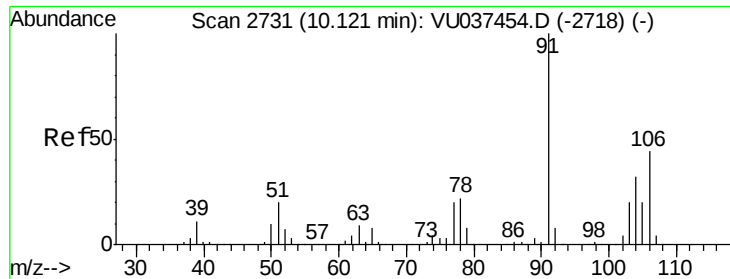
106 100

91 207.7 147.3 273.6



Abundance Ion 106.15 (105.85 to 106.85): VU037454.D (-2591) (-)

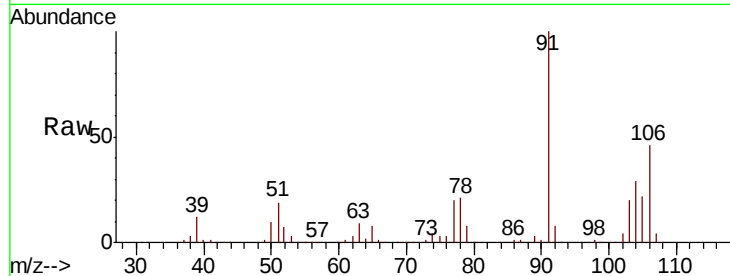




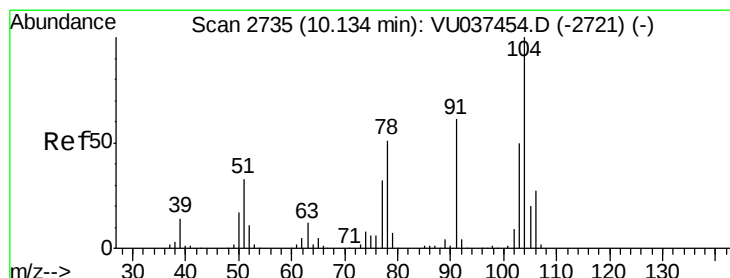
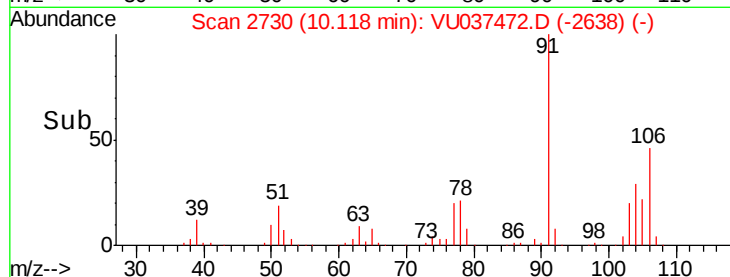
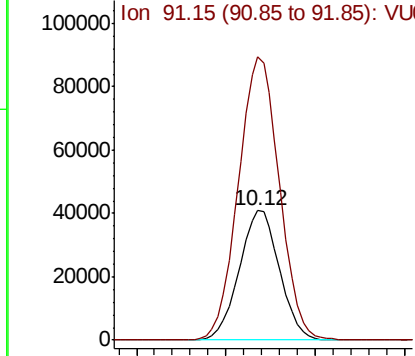
#54
o-Xylene
Concen: 4.927 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 64228
Ion Ratio Lower Upper
106 100
91 218.5 157.7 292.9

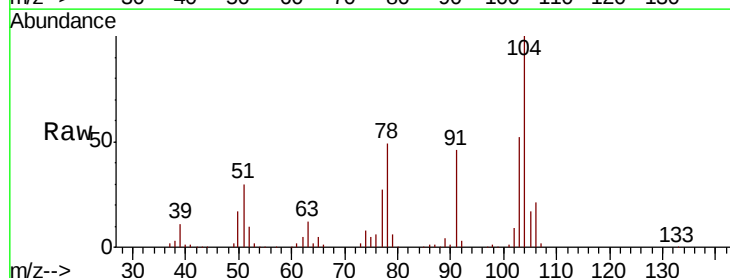


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

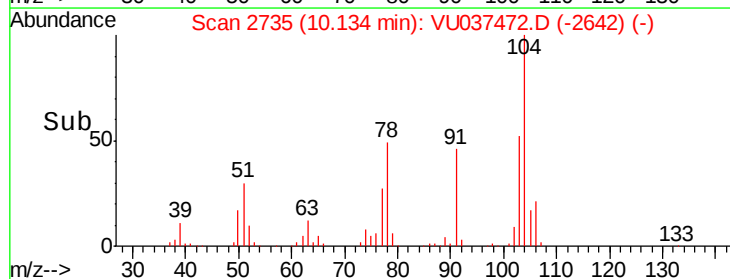
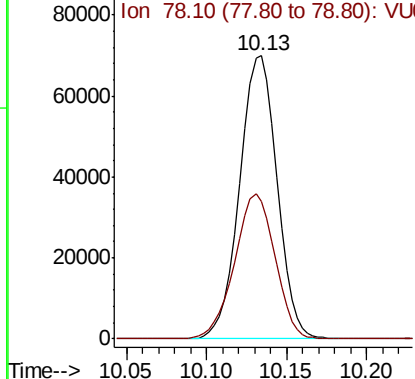


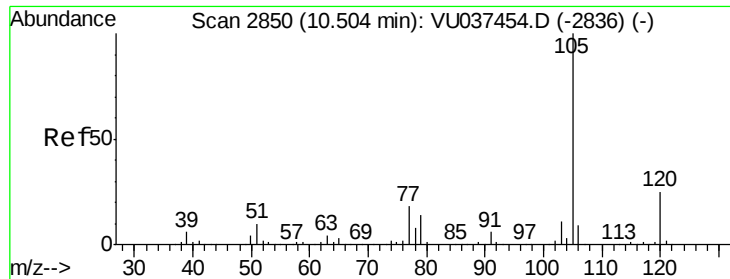
#55
Styrene
Concen: 5.004 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037472.D
Acq: 30 Mar 2020 19:08

Tgt Ion:104 Resp: 111457
Ion Ratio Lower Upper
104 100
78 48.6 35.8 66.6



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





#56

Isopropylbenzene

Concen: 5.016 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

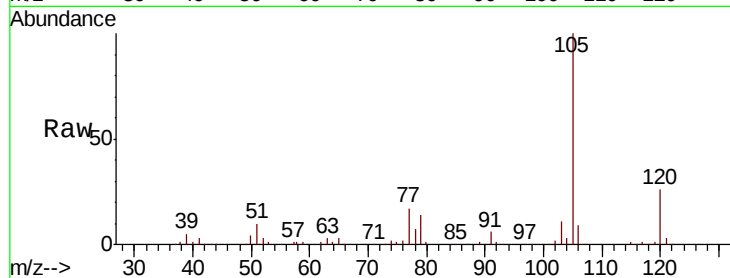
Tot Ion:105 Resp: 174206

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

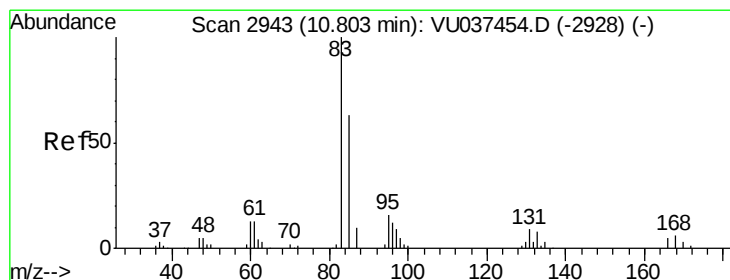
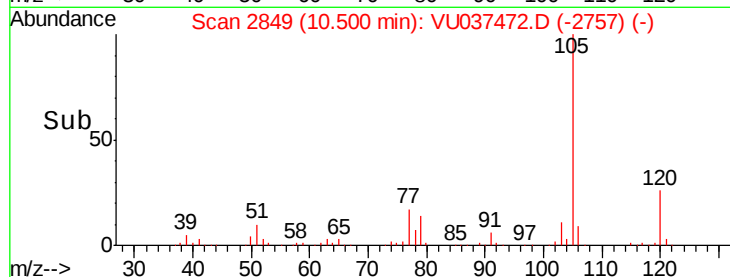
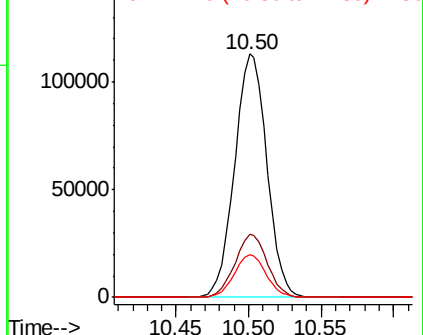
77 17.2 13.4 20.0



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: 5.135 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

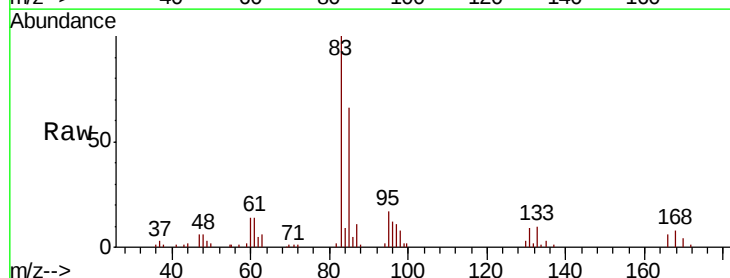
Tgt Ion: 83 Resp: 36219

Ion Ratio Lower Upper

83 100

85 65.8 42.9 79.7

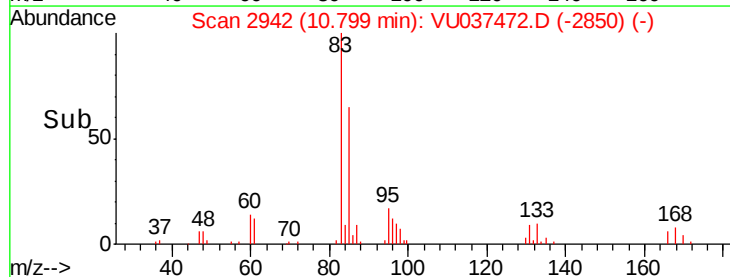
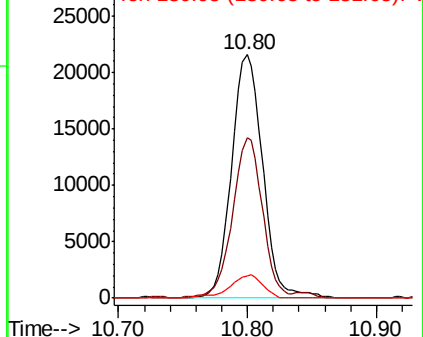
131 9.2 8.1 12.1

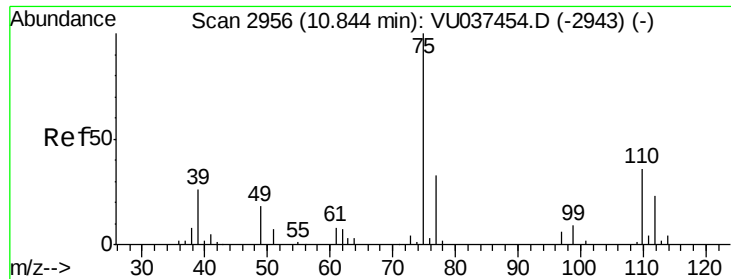


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

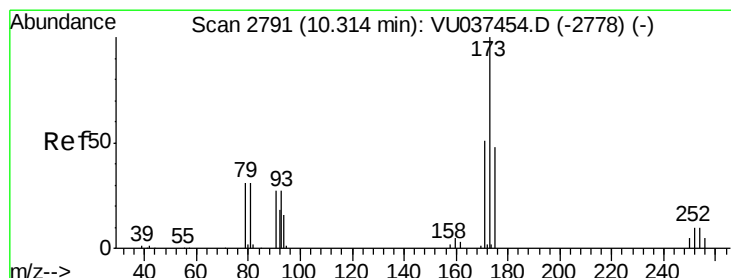
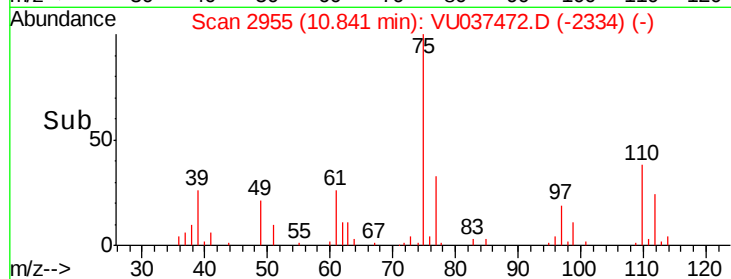
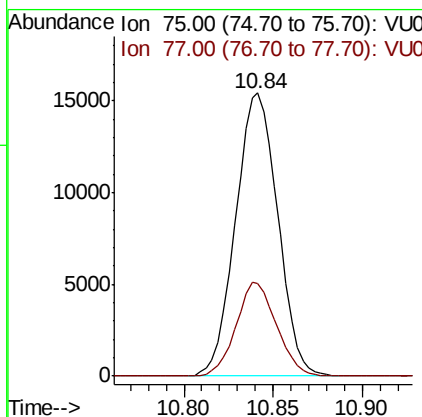
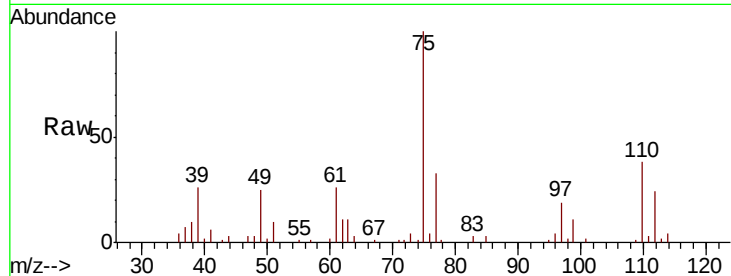




#59
 1,2,3-Trichloropropane
 Concen: 4.961 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

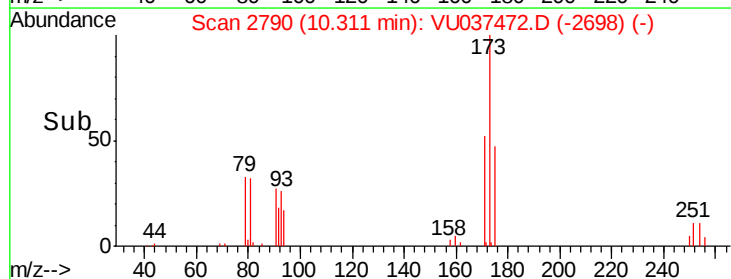
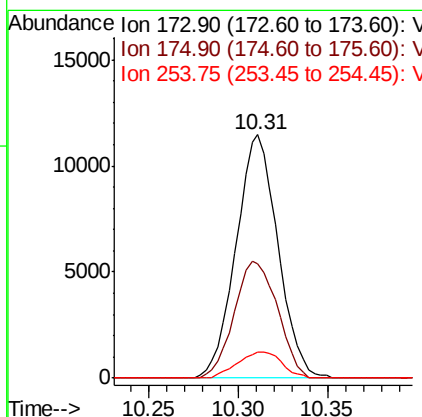
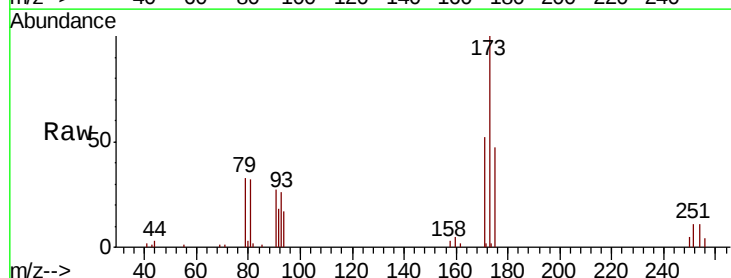
Instrument :
 MSVOA_U
 ClientSampleId :

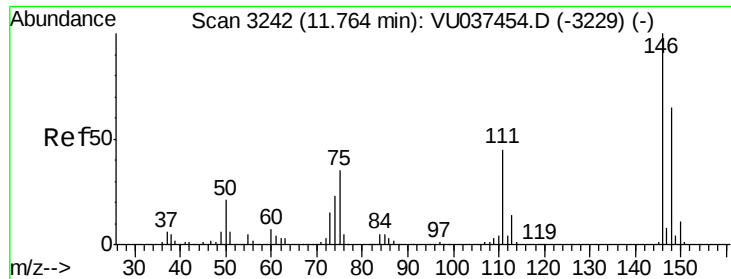
Tot Ion: 75 Resp: 25495
 Ion Ratio Lower Upper
 75 100
 77 31.6 27.4 41.2



#61
 Bromoform
 Concen: 4.627 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Tgt Ion: 173 Resp: 18688
 Ion Ratio Lower Upper
 173 100
 175 49.8 40.2 60.4
 254 11.4 11.4 17.2#





#62

1,3-Dichlorobenzene

Concen: 4.900 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

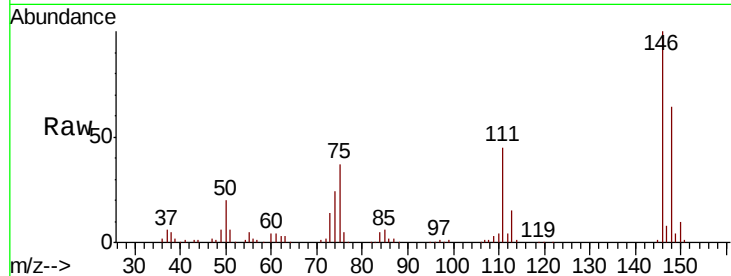
Tot Ion:146 Resp: 76572

Ion Ratio Lower Upper

146 100

111 45.3 29.4 54.6

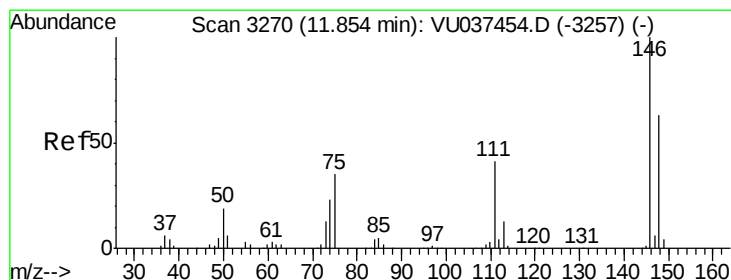
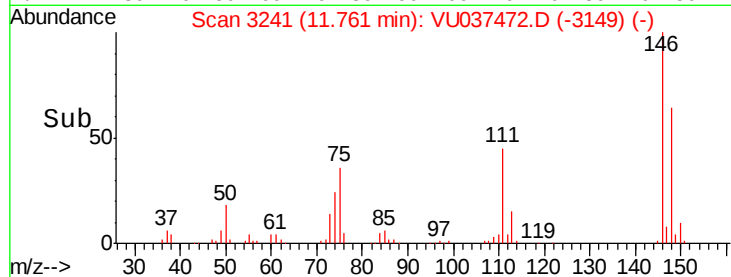
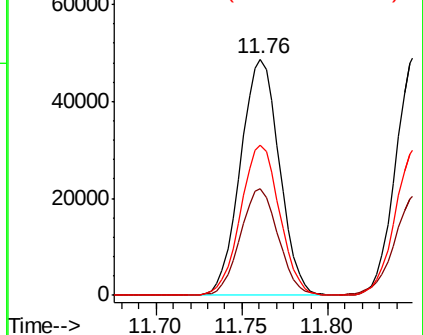
148 63.8 46.1 85.5



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: 4.638 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

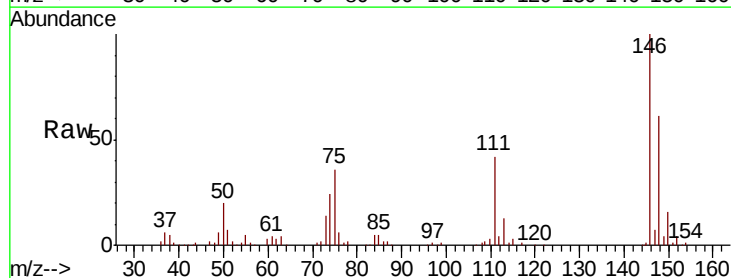
Tgt Ion:146 Resp: 77389

Ion Ratio Lower Upper

146 100

111 41.6 28.8 53.6

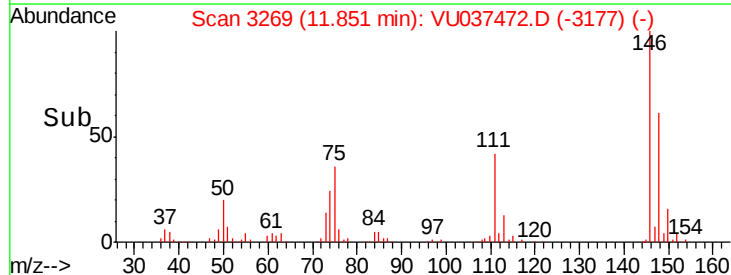
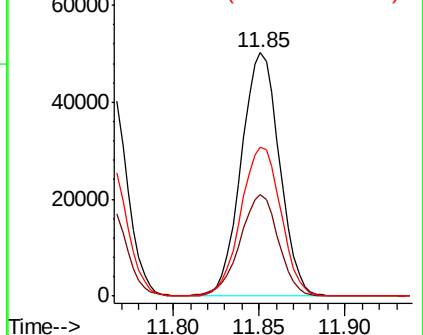
148 61.4 44.5 82.7

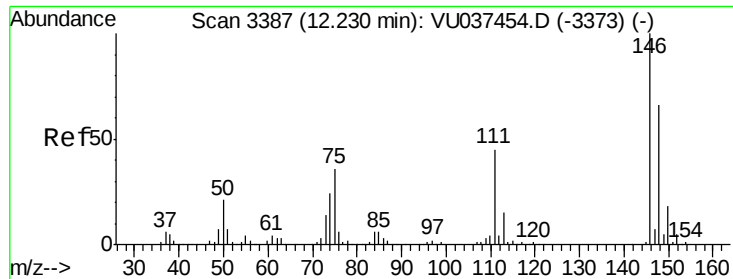


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.790 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

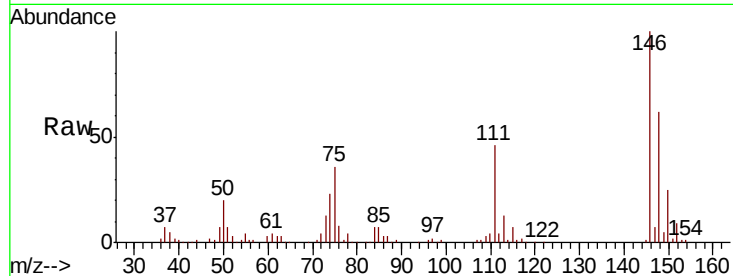
Tot Ion:146 Resp: 72253

Ion Ratio Lower Upper

146 100

111 45.6 36.2 54.2

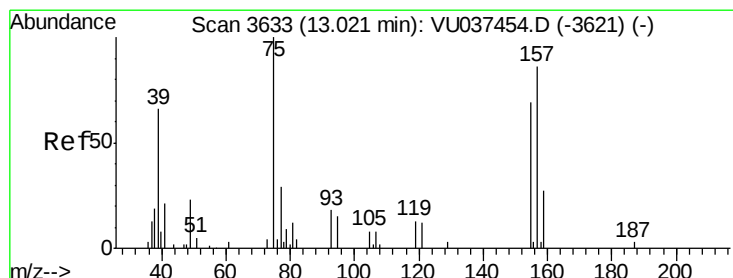
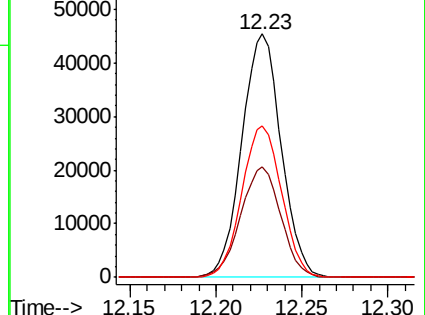
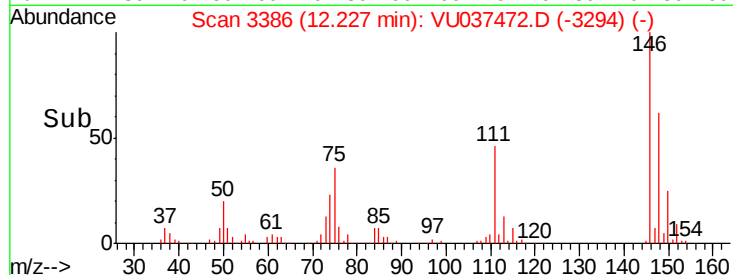
148 62.1 52.1 78.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.221 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

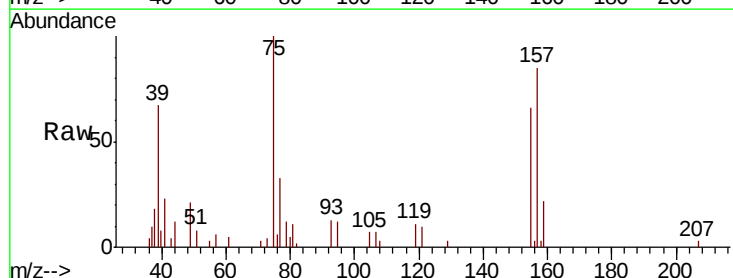
Tgt Ion: 75 Resp: 6930

Ion Ratio Lower Upper

75 100

155 66.4 56.0 84.0

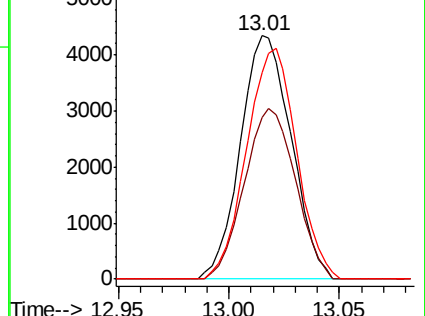
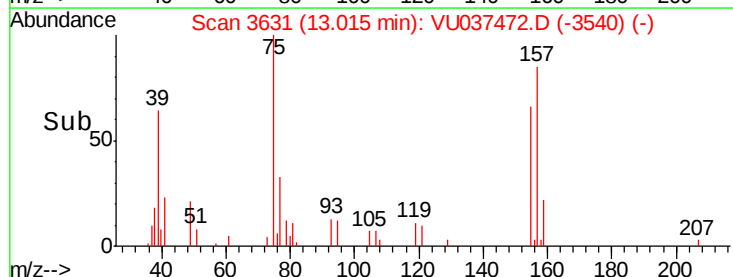
157 84.7 78.3 117.5

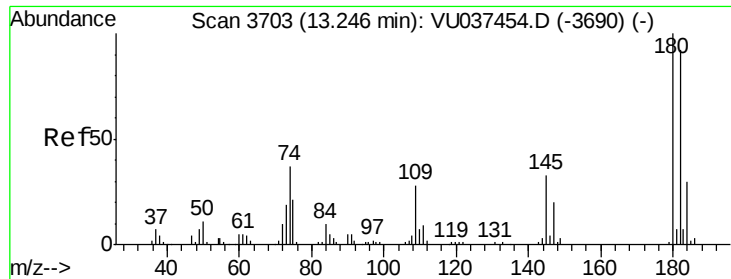


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

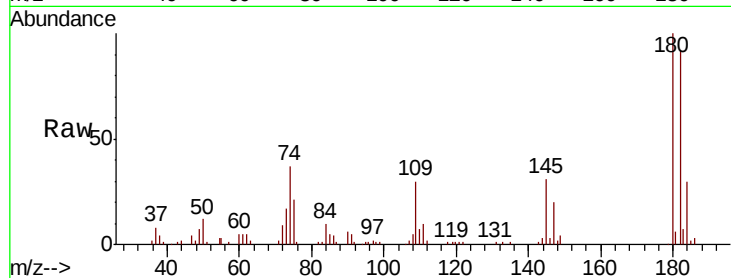




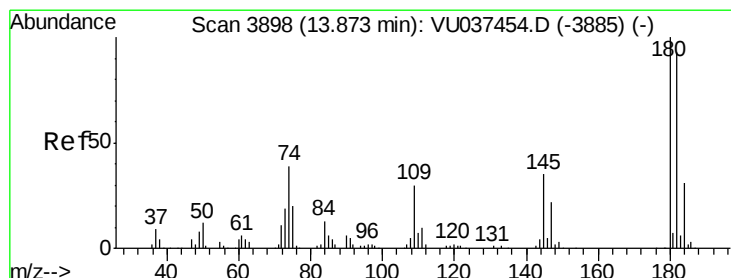
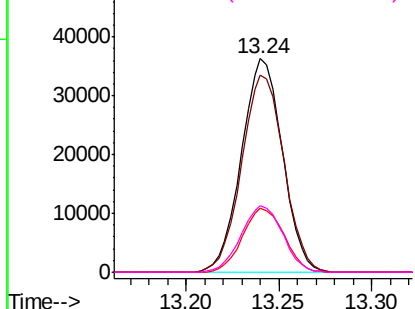
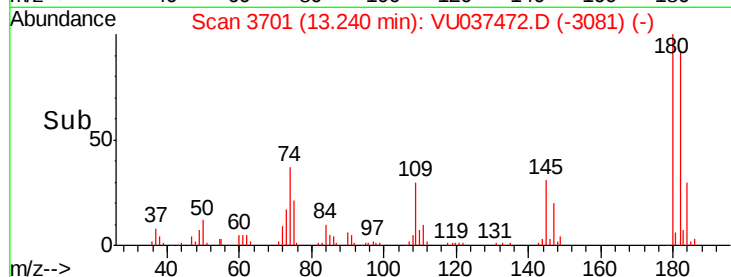
#67
 1,3,5-Trichlorobenzene
 Concen: 4.621 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 56000
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.7 116.5
 184 30.3 24.6 36.8
 145 31.8 25.7 38.5

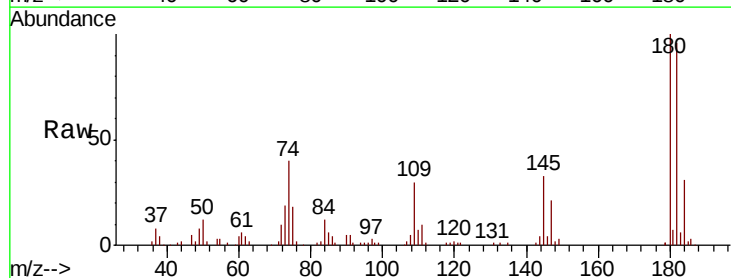


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

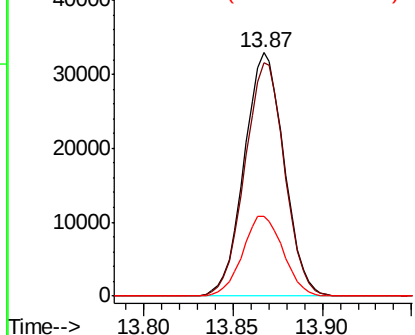
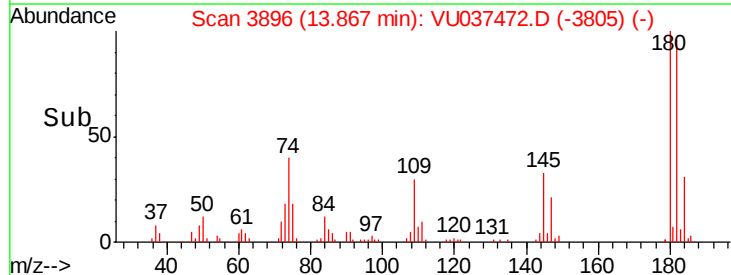


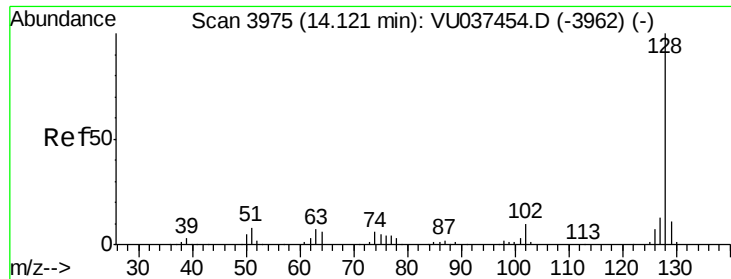
#68
 1,2,4-trichlorobenzene
 Concen: 4.417 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037472.D
 Acq: 30 Mar 2020 19:08

Tgt Ion:180 Resp: 51603
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 113.6
 145 33.4 25.5 38.3



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: 4.777 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

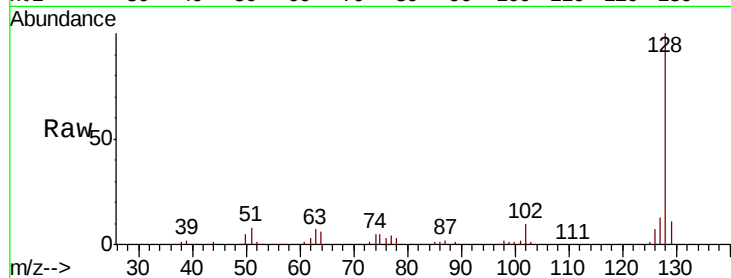
Tot Ion:128 Resp: 108344

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

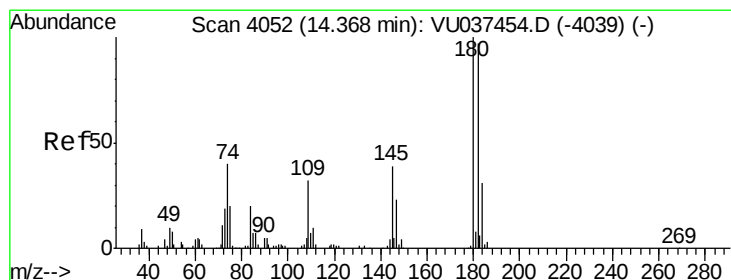
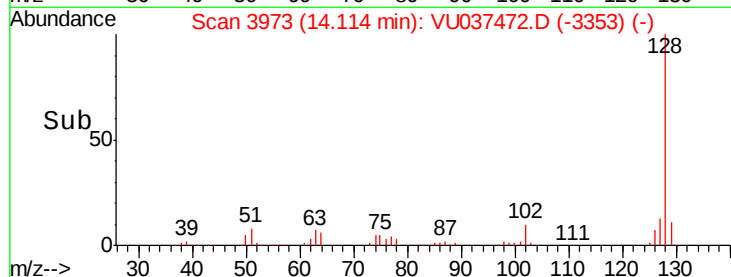
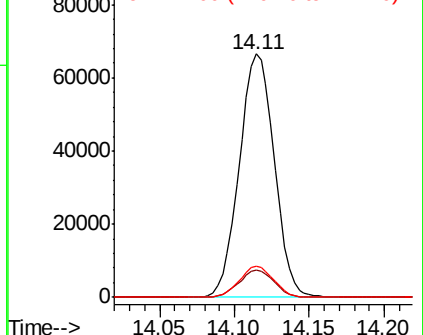
127 12.6 10.4 15.6



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: 4.343 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU037472.D

Acq: 30 Mar 2020 19:08

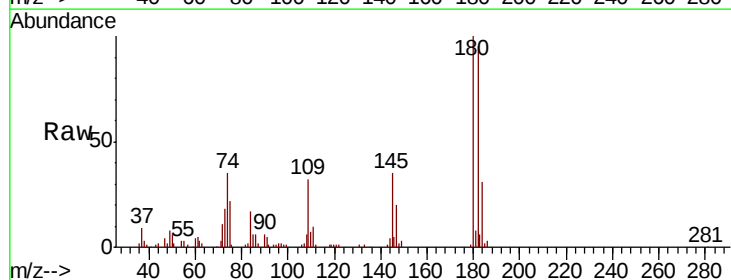
Tgt Ion:180 Resp: 45626

Ion Ratio Lower Upper

180 100

182 94.9 77.8 116.8

145 35.2 27.8 41.8



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

