

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010820\
 Data File : VU036401.D
 Acq On : 08 Jan 2020 11:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 03:47:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 08 10:10:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	561586	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	546086	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	253016	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	172507	39.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.84%
7) Chloroethane-d5	1.93	69	153486	41.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.16%
11) 1,1-Dichloroethene-d2	2.59	63	346421	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.94%
21) 2-Butanone-d5	4.67	46	306958	94.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.20%
24) Chloroform-d	5.11	84	378880	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
26) 1,2-Dichloroethane-d4	5.74	65	248647	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
32) Benzene-d6	5.77	84	744147	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
36) 1,2-Dichloropropane-d6	6.73	67	247553	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.10%
41) Toluene-d8	7.93	98	712351	48.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.62%
43) trans-1,3-Dichloropropene-	8.21	79	131110	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.78%
47) 2-Hexanone-d5	8.67	63	246549	93.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.76%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	367356	47.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	244957	46.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	202245	45.090	ug/L	100
3) Chloromethane	1.54	50	187075	45.839	ug/L	100
5) Vinyl chloride	1.62	62	194539	41.069	ug/L	99
6) Bromomethane	1.87	94	112948	49.340	ug/L	99
8) Chloroethane	1.95	64	116575	40.903	ug/L	96
9) Trichlorofluoromethane	2.16	101	283608	42.587	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	163914	49.721	ug/L	99
12) 1,1-Dichloroethene	2.60	96	149750	46.081	ug/L	88
13) Acetone	2.66	43	275641	81.553	ug/L	98
14) Carbon disulfide	2.82	76	412204	40.989	ug/L	99
15) Methyl Acetate	2.98	43	216983	47.741	ug/L	98
16) Methylene chloride	3.08	84	189157	47.550	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	165017	47.035	ug/L	98
18) Methyl tert-butyl Ether	3.41	73	614266	48.197	ug/L	99
19) 1,1-Dichloroethane	3.92	63	337696	48.020	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	201042	47.375	ug/L #	96
22) 2-Butanone	4.75	43	355642	89.071	ug/L	97

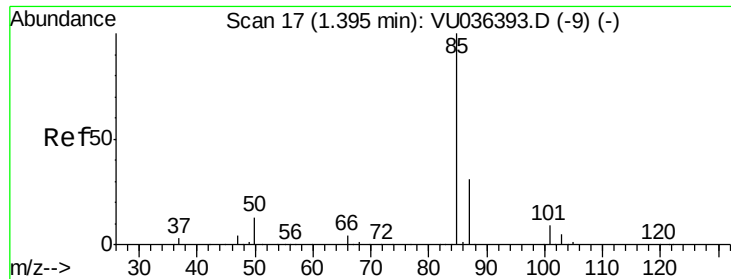
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010820\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 08 10:10:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	95111	46.689	ug/L	97
25) Chloroform	5.13	83	358905	47.898	ug/L	97
27) 1,2-Dichloroethane	5.84	62	286487	49.460	ug/L	98
29) Cyclohexane	5.43	56	299972	47.409	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	316200	47.243	ug/L	99
31) Carbon tetrachloride	5.57	117	270931	46.698	ug/L	100
33) Benzene	5.81	78	761279	47.457	ug/L	100
34) Trichloroethene	6.58	95	195536	47.281	ug/L	98
35) Methylcyclohexane	6.80	83	318289	48.218	ug/L	99
37) 1,2-Dichloropropane	6.83	63	207303	47.723	ug/L	100
38) Bromodichloromethane	7.14	83	283981	46.341	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	348204	47.883	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	658666	89.232	ug/L	99
42) Toluene	8.00	91	825001	46.704	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	311801	46.026	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	200112	49.379	ug/L	98
46) Tetrachloroethene	8.58	164	135038	45.382	ug/L	97
48) 2-Hexanone	8.72	43	493983	86.974	ug/L	93
49) Dibromochloromethane	8.84	129	228092	45.854	ug/L	96
50) 1,2-Dibromoethane	8.95	107	220562	46.929	ug/L	97
51) Chlorobenzene	9.48	112	528114	47.367	ug/L	100
52) Ethylbenzene	9.60	91	957249	47.613	ug/L	99
53) m,p-Xylene	9.72	106	352235	47.230	ug/L	99
54) o-xylene	10.12	106	350488	46.838	ug/L	99
55) Styrene	10.14	104	590069	46.637	ug/L	100
56) Isopropylbenzene	10.51	105	934468	47.913	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	362377	47.306	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	287284	47.137	ug/L	99
61) Bromoform	10.32	173	162355	43.181	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	387856	47.437	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	383731	47.312	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	382941	46.746	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	80515	42.120	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	242164	44.602	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	168522	40.955	ug/L	97
69) Naphthalene	14.11	128	537428	38.009	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	174793	40.449	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 45.090 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

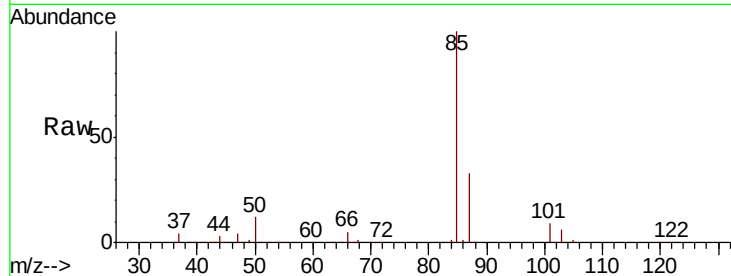
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 202245

Ion Ratio Lower Upper

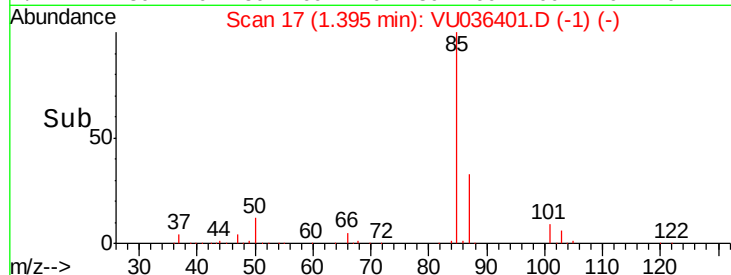
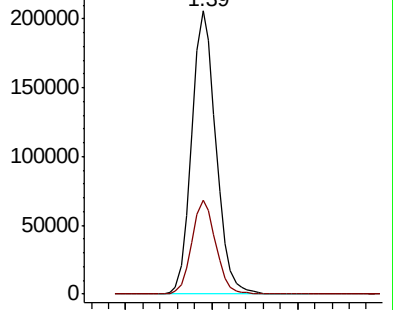
85 100

87 32.7 26.1 39.1

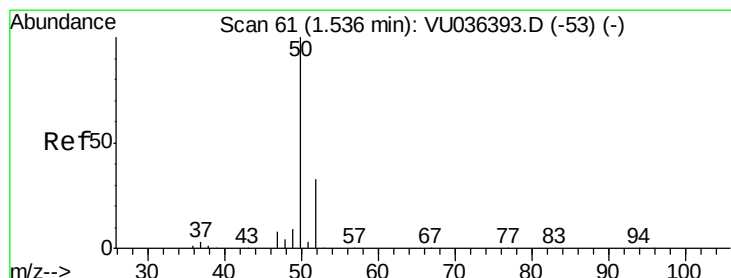


Abundance Ion 85.00 (84.70 to 85.70): VU036401.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036401.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 45.839 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036401.D

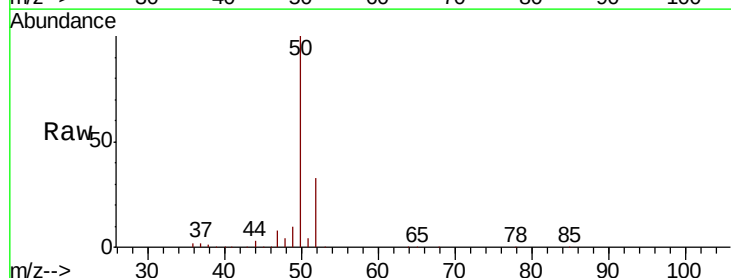
Acq: 08 Jan 2020 11:20

Tgt Ion: 50 Resp: 187075

Ion Ratio Lower Upper

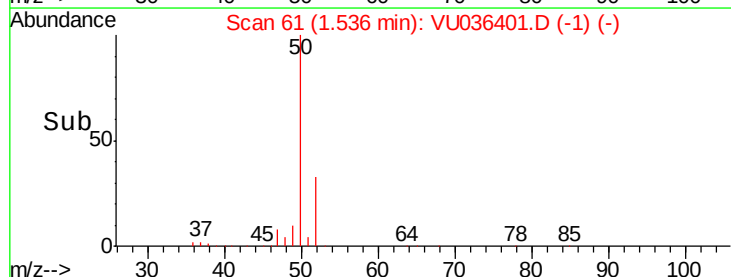
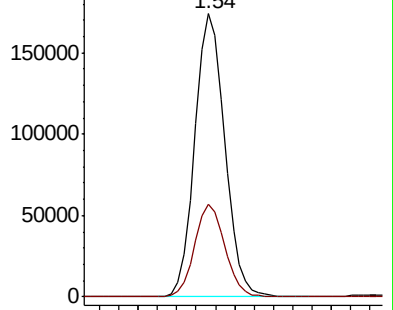
50 100

52 32.8 23.0 42.6

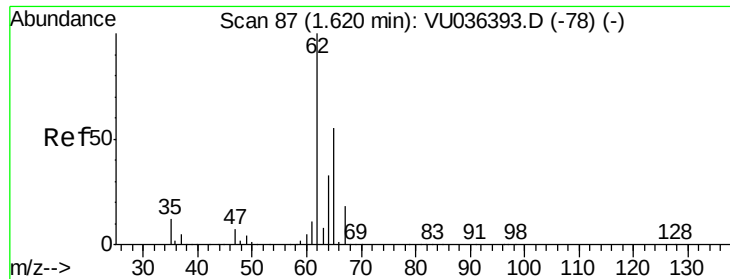


Abundance Ion 50.00 (49.70 to 50.70): VU036401.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036401.D (-1) (-)



Time-->



#5

Vinyl chloride

Concen: 41.069 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

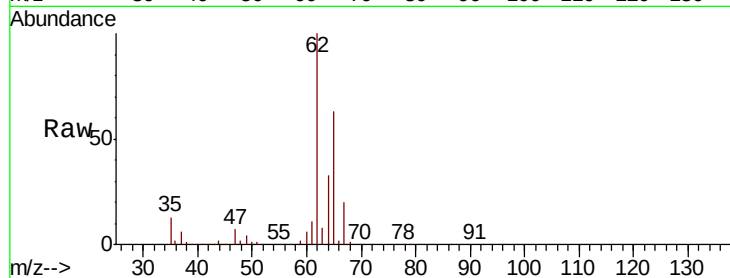
ClientSampleId :

Tot Ion: 62 Resp: 194539

Ion Ratio Lower Upper

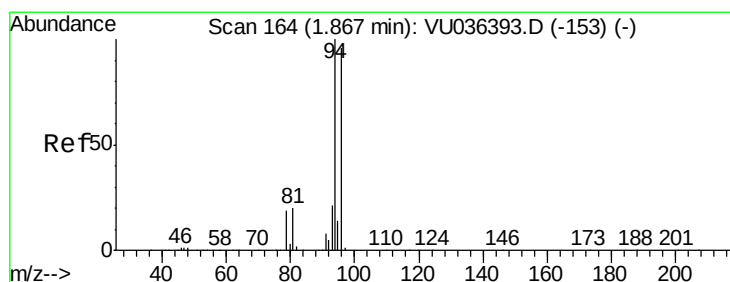
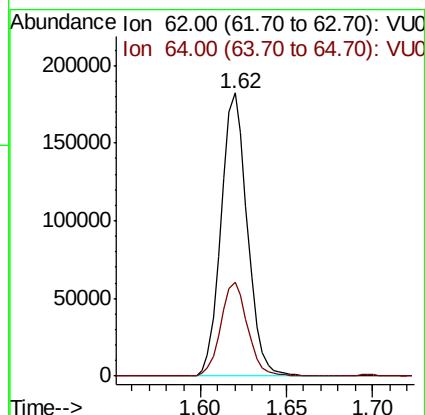
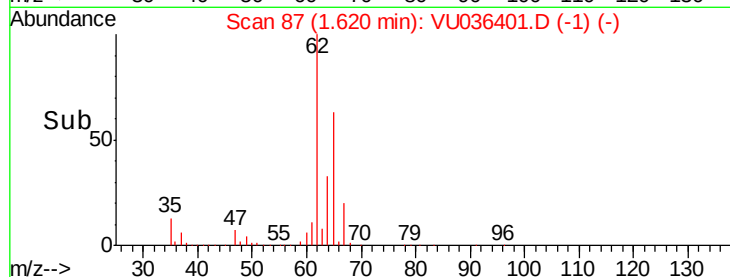
62 100

64 33.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU036401.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036401.D (-1) (-)



#6

Bromomethane

Concen: 49.340 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036401.D

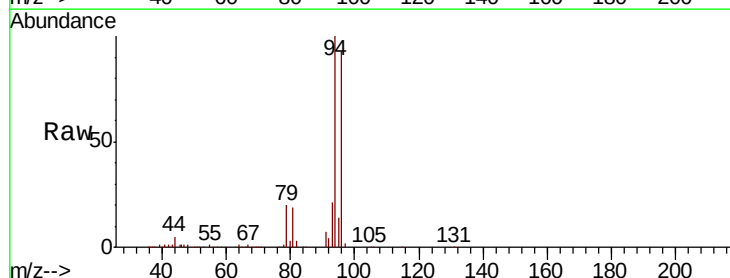
Acq: 08 Jan 2020 11:20

Tgt Ion: 94 Resp: 112948

Ion Ratio Lower Upper

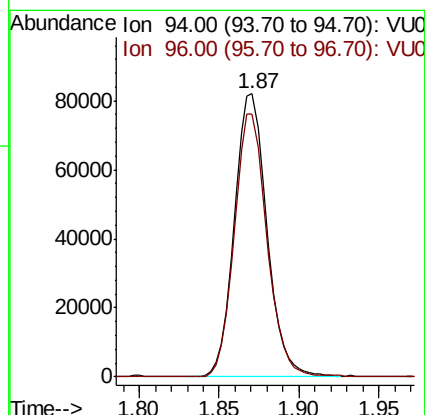
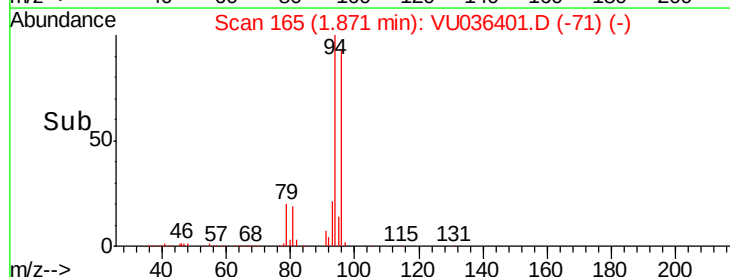
94 100

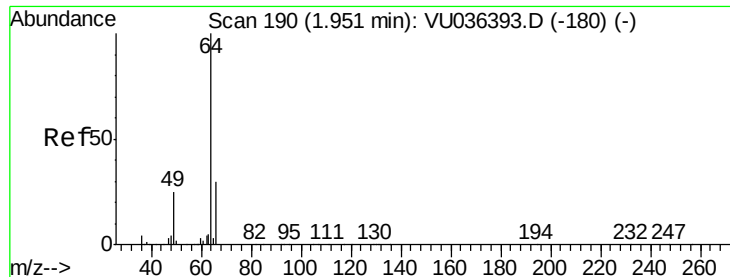
96 92.9 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU036401.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU036401.D (-71) (-)





#8

Chloroethane

Concen: 40.903 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

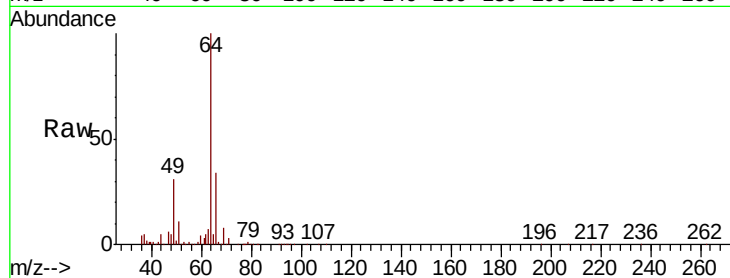
ClientSampleId :

Tot Ion: 64 Resp: 116575

Ion Ratio Lower Upper

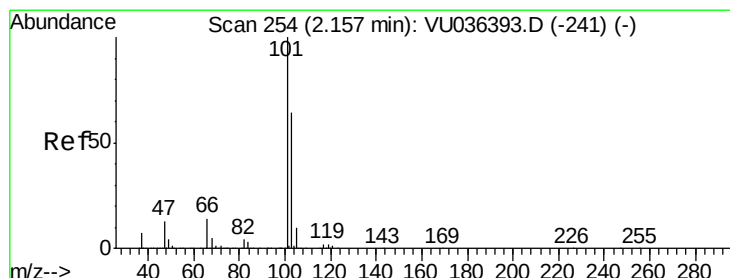
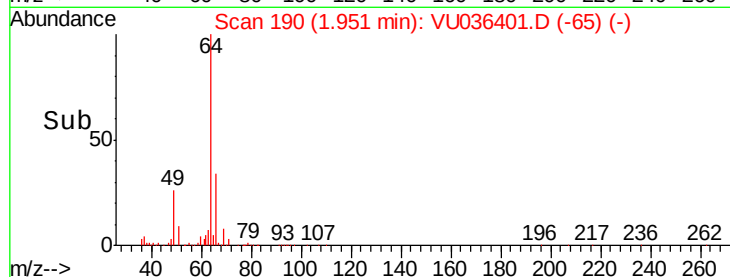
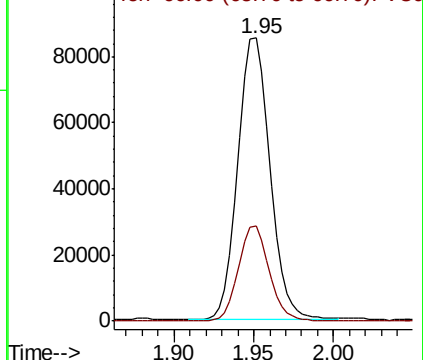
64 100

66 33.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 42.587 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036401.D

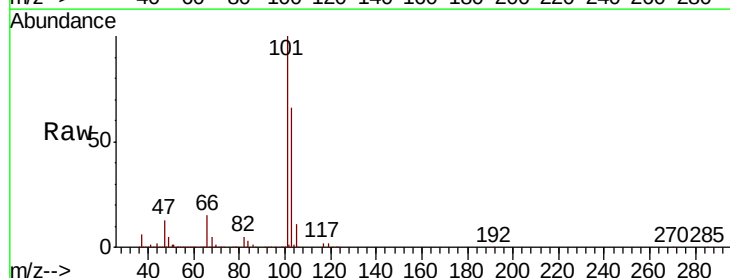
Acq: 08 Jan 2020 11:20

Tgt Ion:101 Resp: 283608

Ion Ratio Lower Upper

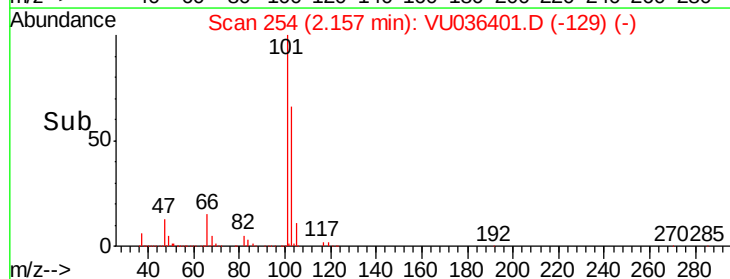
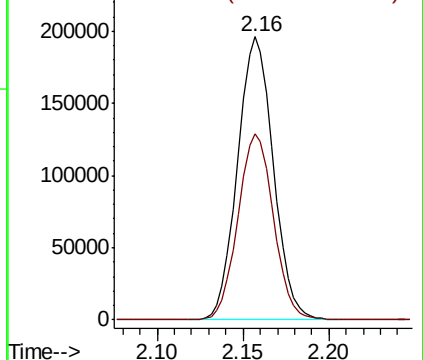
101 100

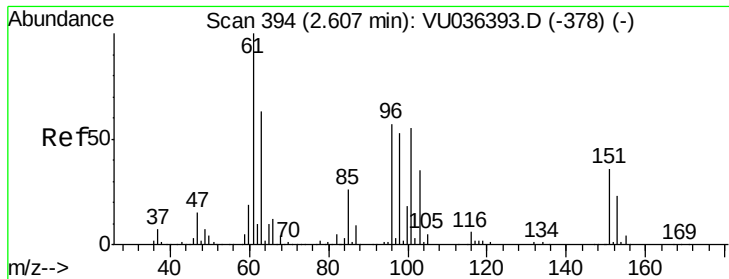
103 65.3 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 49.721 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

ClientSampled :

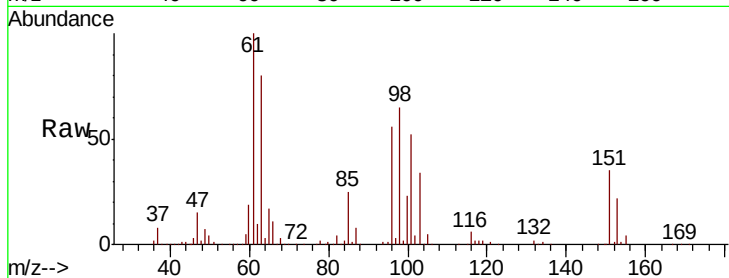
Tot Ion:101 Resp: 163914

Ion Ratio Lower Upper

101 100

85 46.1 37.1 55.7

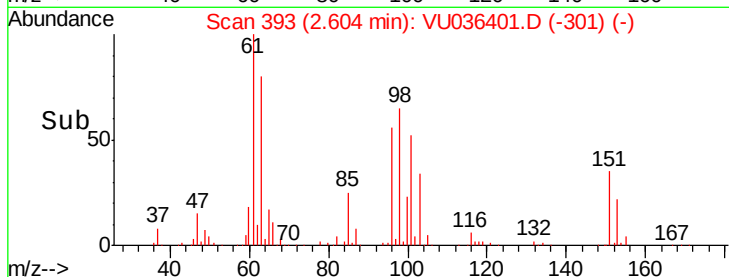
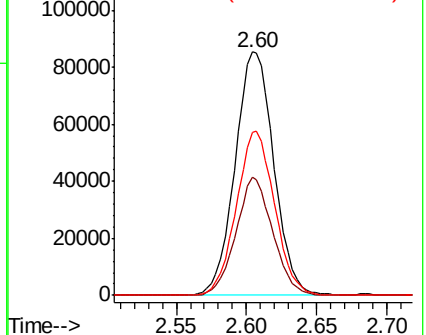
151 66.5 54.3 81.5



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: 46.081 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

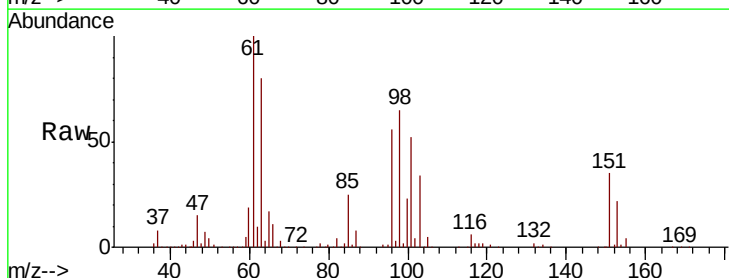
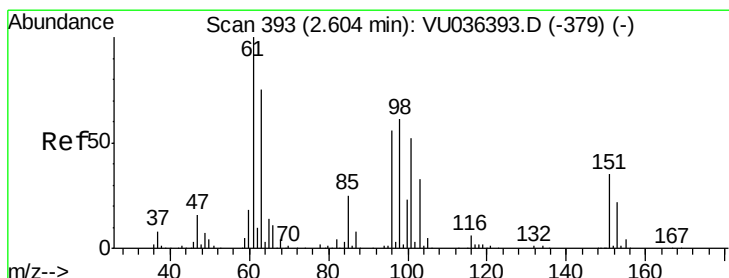
Tgt Ion: 96 Resp: 149750

Ion Ratio Lower Upper

96 100

61 177.6 120.9 224.5

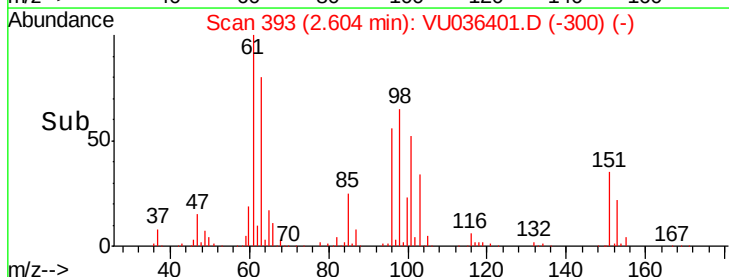
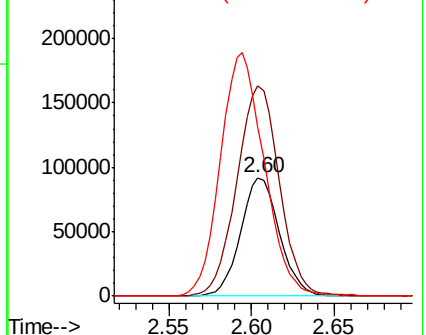
63 142.8 81.8 152.0

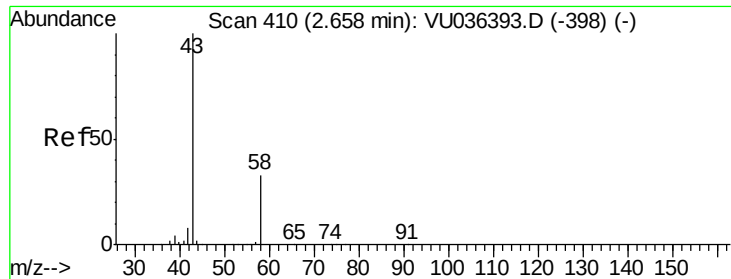


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 81.553 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

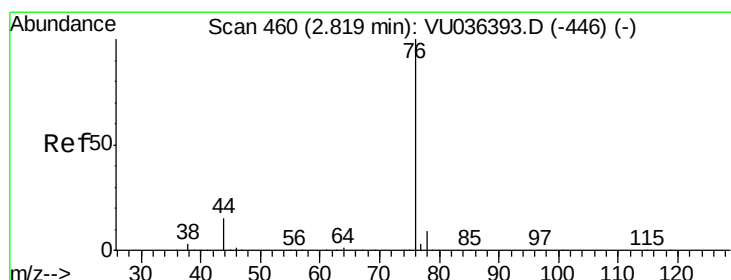
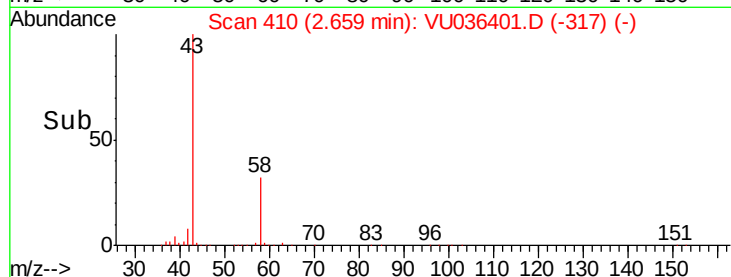
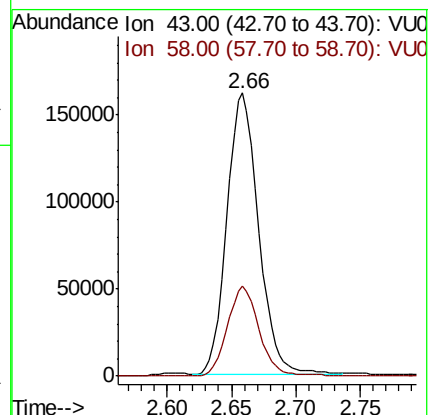
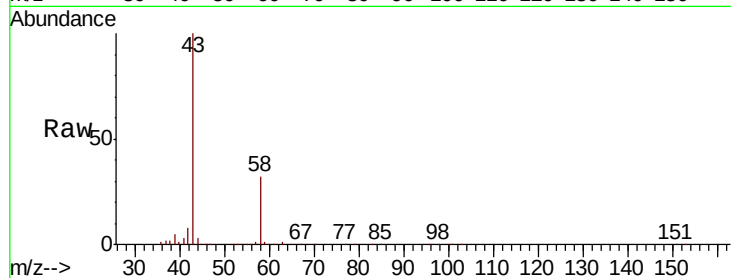
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 275641

Ion Ratio Lower Upper

43 100

58 32.0 0.0 66.2



#14

Carbon disulfide

Concen: 40.989 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036401.D

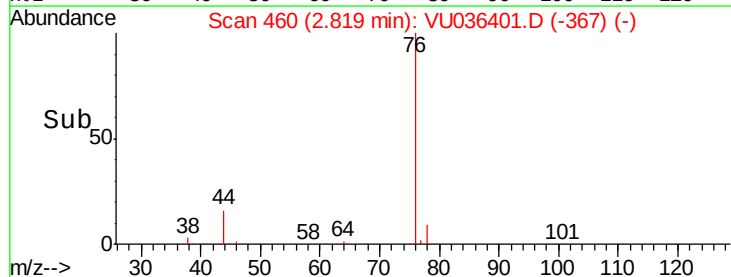
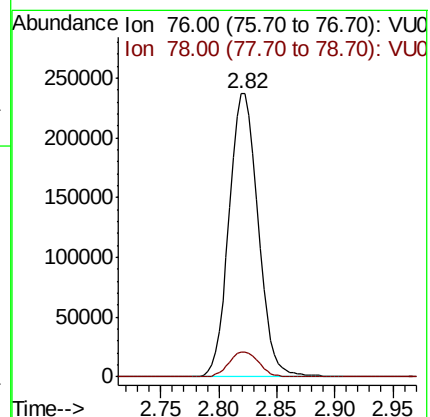
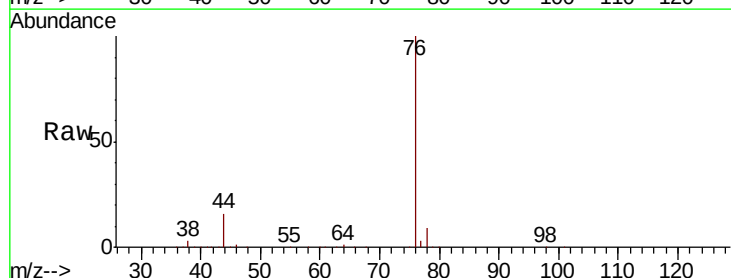
Acq: 08 Jan 2020 11:20

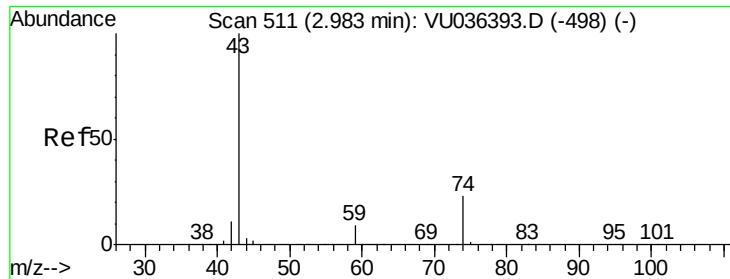
Tgt Ion: 76 Resp: 412204

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

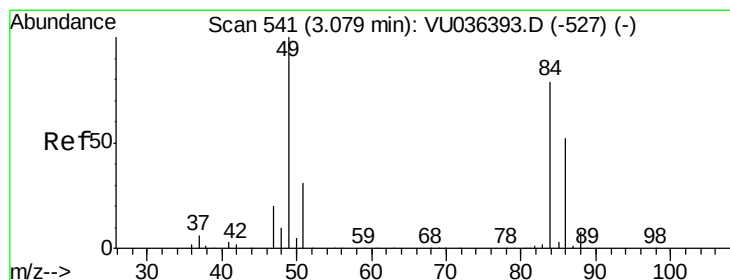
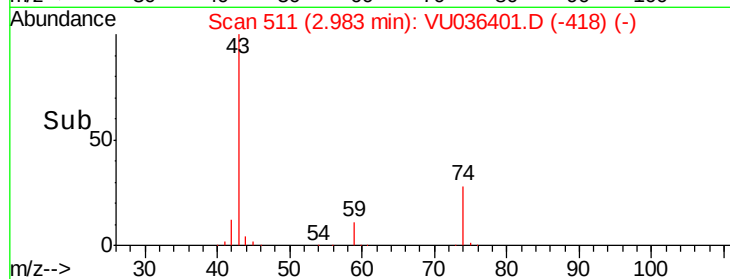
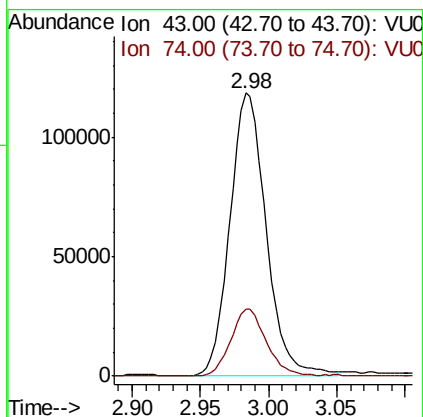
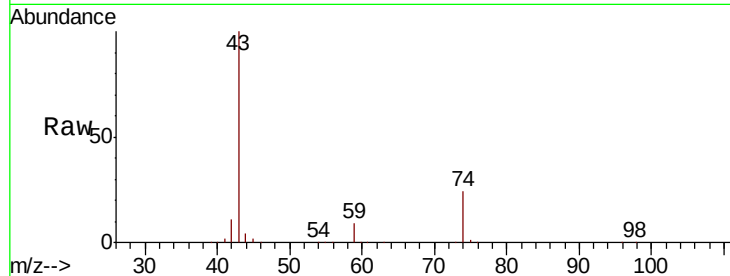




#15
Methvl Acetate
Concen: 47.741 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

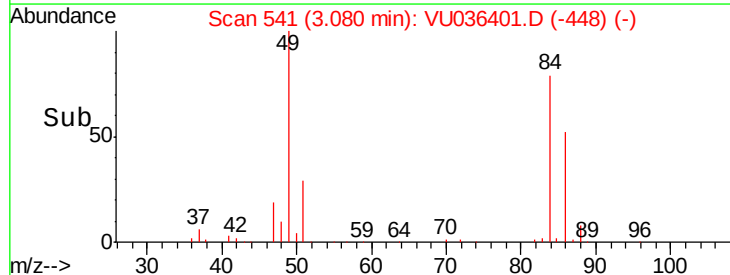
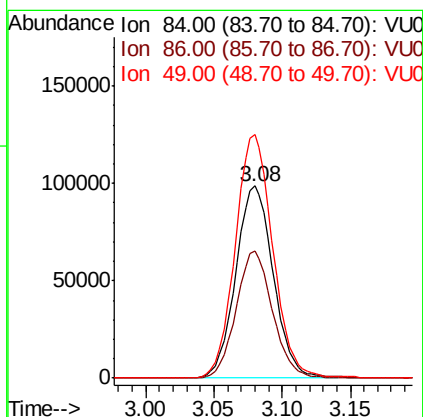
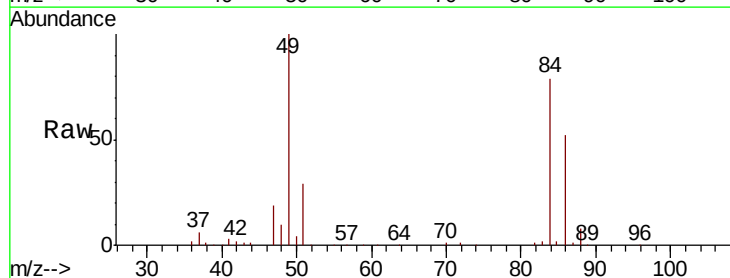
Instrument :
MSVOA_U
ClientSampled :

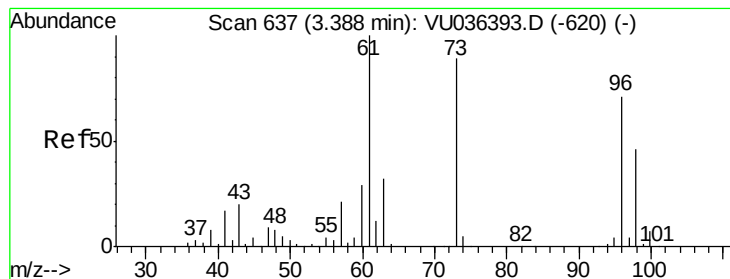
Tot Ion: 43 Resp: 216983
Ion Ratio Lower Upper
43 100
74 23.4 19.4 29.2



#16
Methylene chloride
Concen: 47.550 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Tgt Ion: 84 Resp: 189157
Ion Ratio Lower Upper
84 100
86 66.2 44.6 82.8
49 126.9 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 47.035 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

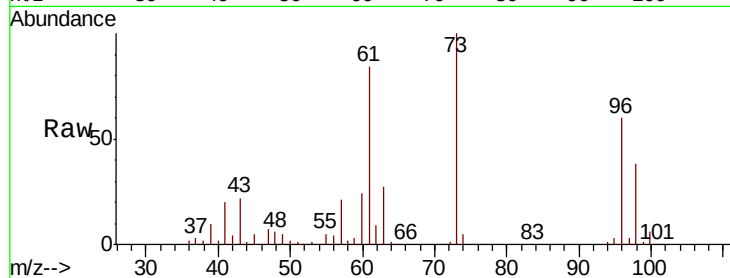
Tot Ion: 96 Resp: 165017

Ion Ratio Lower Upper

96 100

61 140.4 96.2 178.8

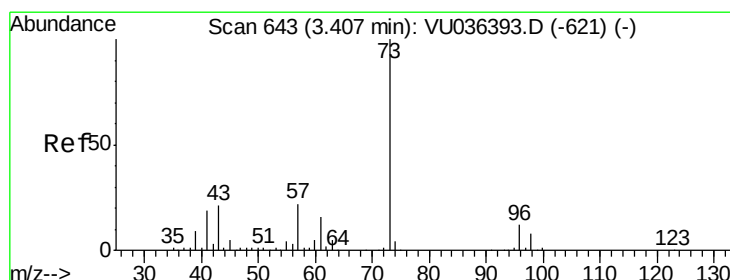
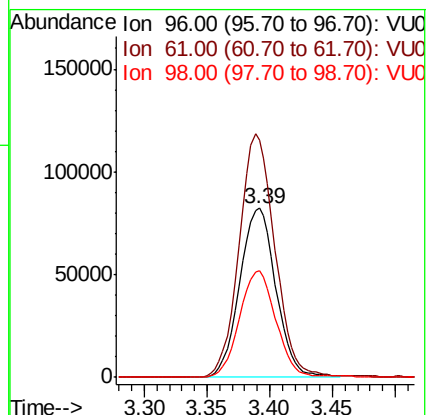
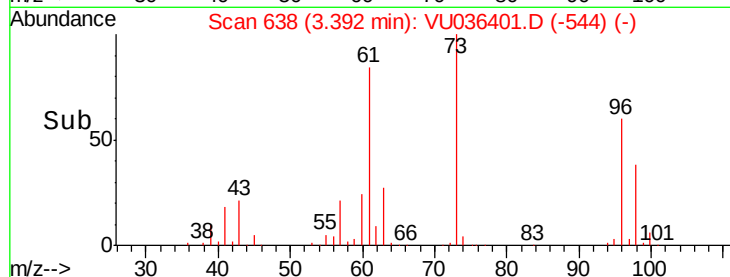
98 63.4 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036401.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036401.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036401.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 48.197 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

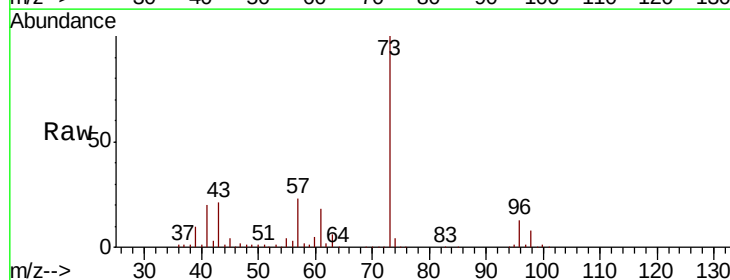
Tgt Ion: 73 Resp: 614266

Ion Ratio Lower Upper

73 100

43 21.2 16.3 24.5

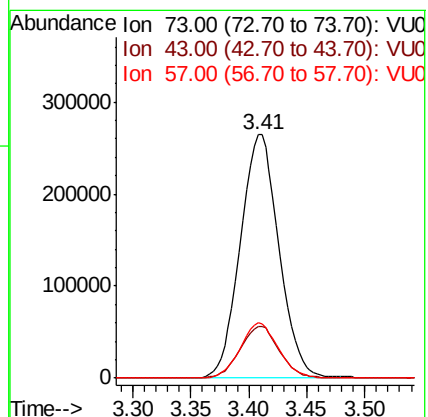
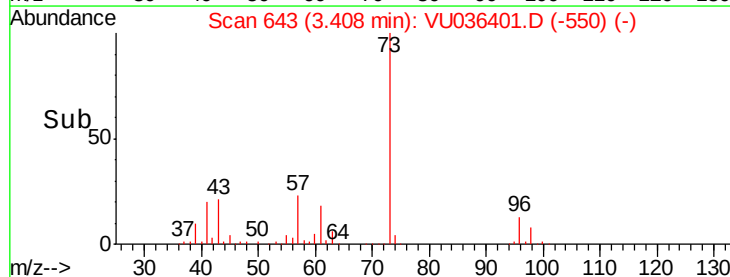
57 22.3 17.7 26.5

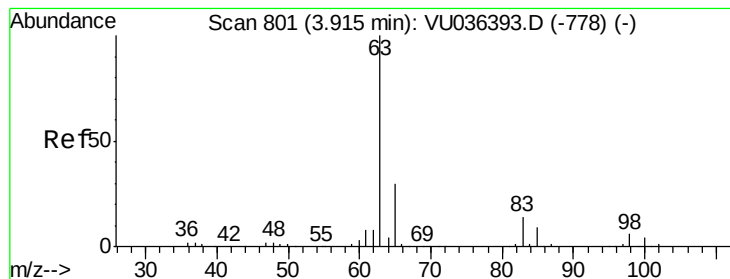


Abundance Ion 73.00 (72.70 to 73.70): VU036401.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036401.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036401.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 48.020 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :

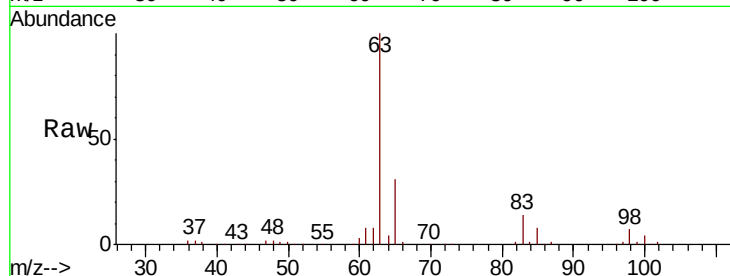
Tot Ion: 63 Resp: 337696

Ion Ratio Lower Upper

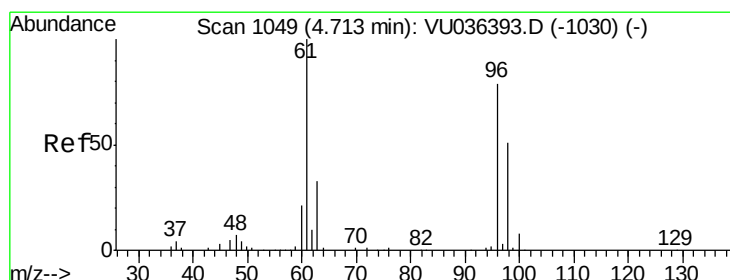
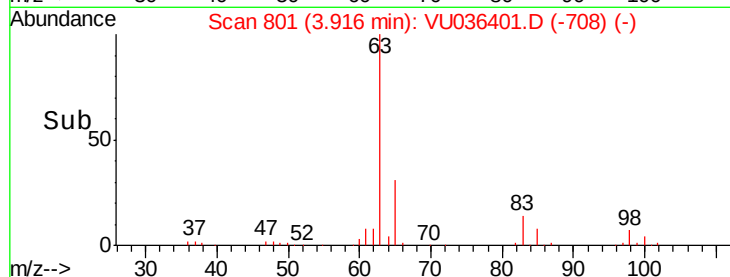
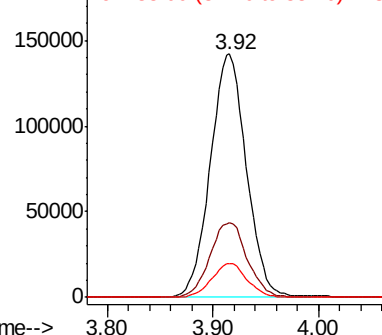
63 100

65 30.6 20.0 37.2

83 14.1 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 47.375 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

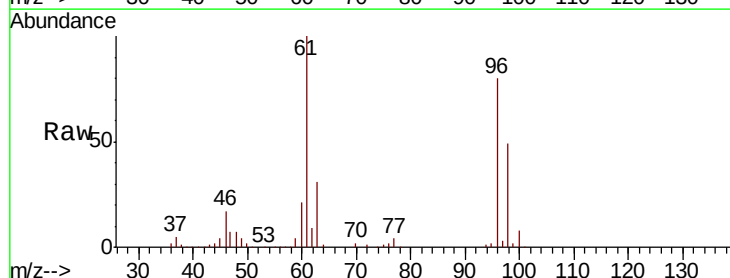
Tgt Ion: 96 Resp: 201042

Ion Ratio Lower Upper

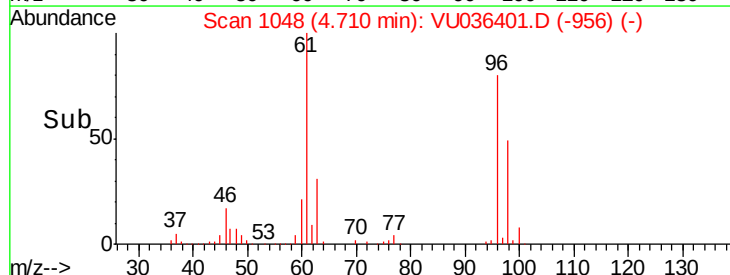
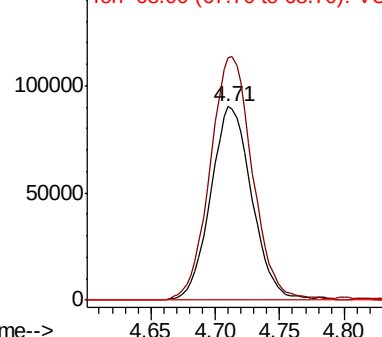
96 100

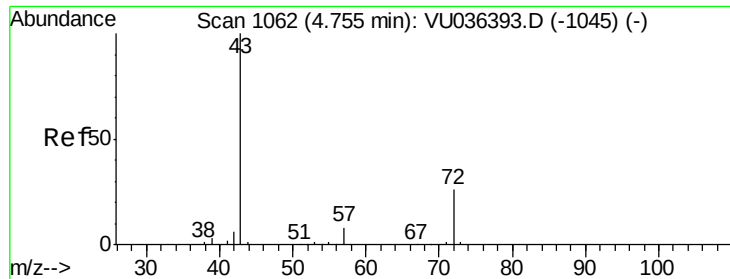
61 125.7 85.1 158.1

68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 89.071 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

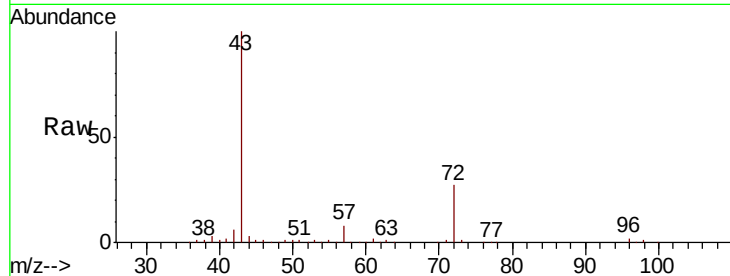
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 355642

Ion Ratio Lower Upper

43 100

72 28.1 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU036401.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036401.D (-969) (-)

4.75

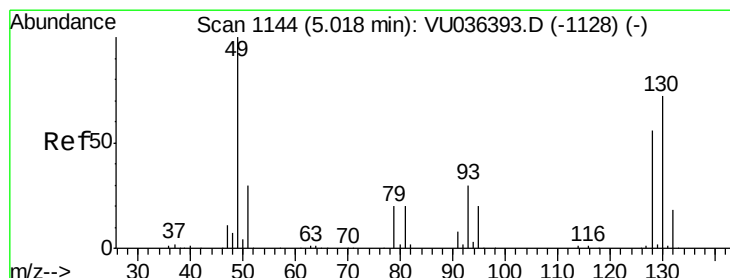
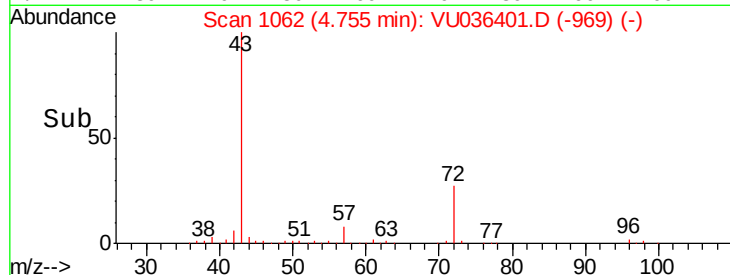
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 46.689 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Tgt Ion:128 Resp: 95111

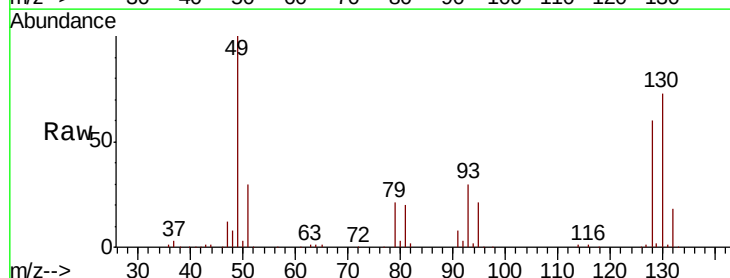
Ion Ratio Lower Upper

128 100

49 165.3 115.0 213.6

130 120.7 89.1 165.5

51 49.9 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VU036401.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036401.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036401.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036401.D (-1051) (-)

120000

100000

80000

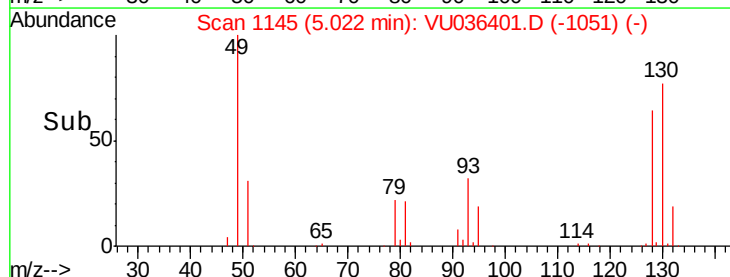
60000

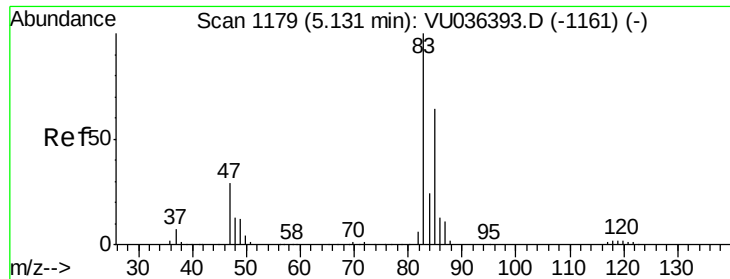
40000

20000

0

Time-->

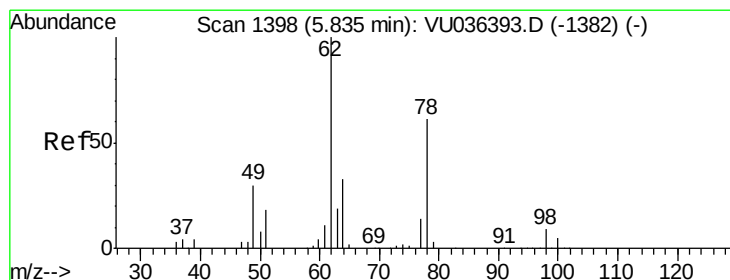
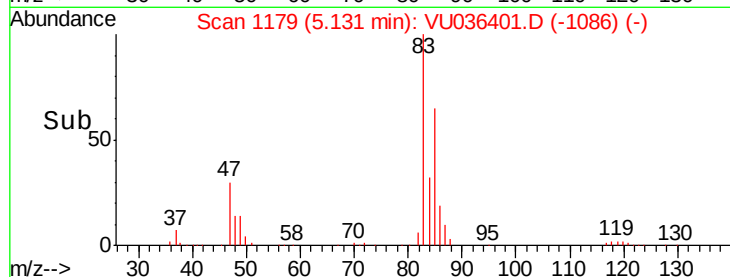
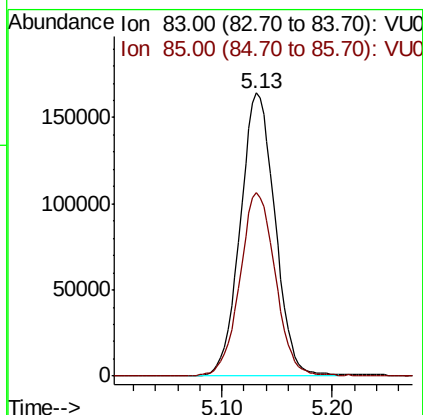
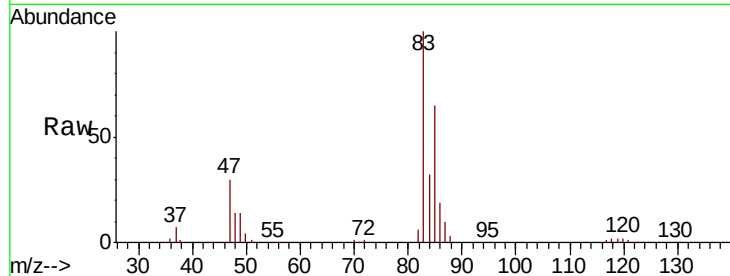




#25
Chloroform
Concen: 47.898 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

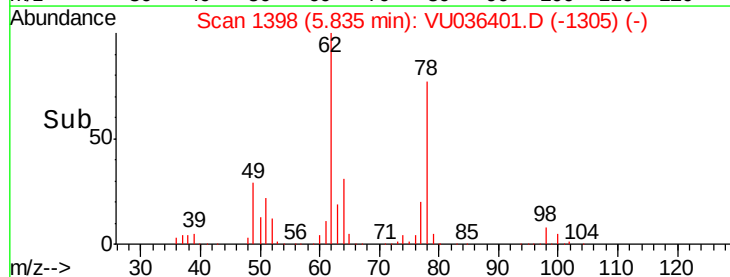
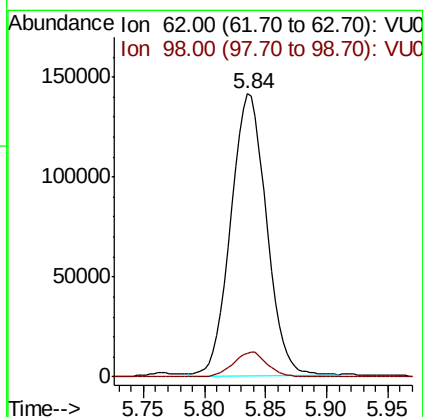
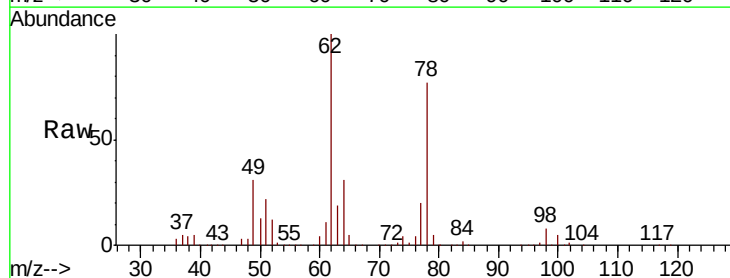
Instrument :
MSVOA_U
ClientSampleId :

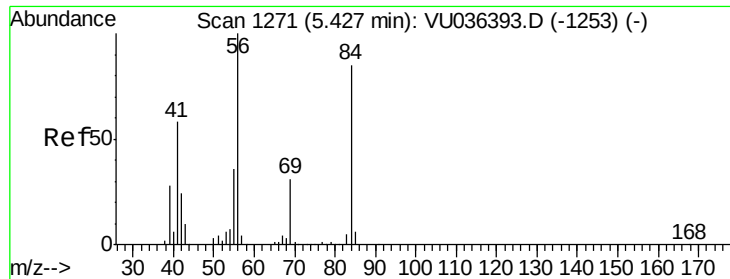
Tot Ion: 83 Resp: 358905
Ion Ratio Lower Upper
83 100
85 64.7 43.9 81.5



#27
1,2-Dichloroethane
Concen: 49.460 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Tgt Ion: 62 Resp: 286487
Ion Ratio Lower Upper
62 100
98 8.5 7.3 10.9

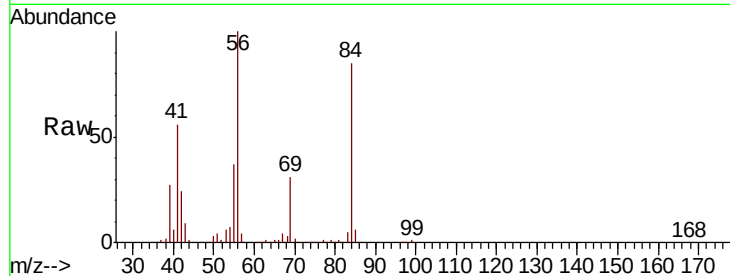




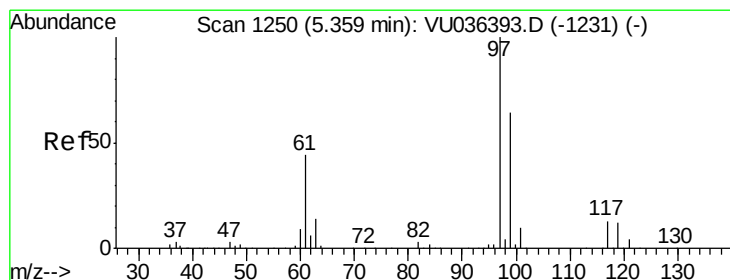
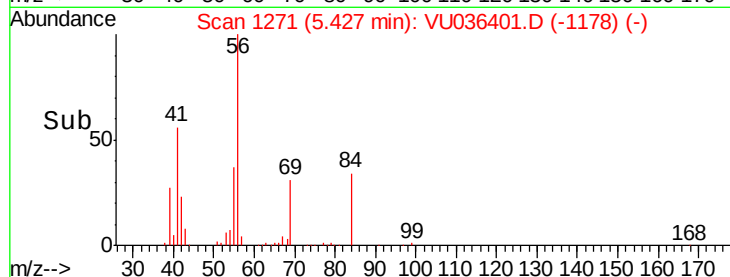
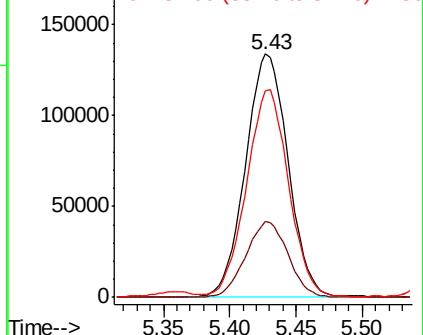
#29
Cyclohexane
Concen: 47.409 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 299972
Ion Ratio Lower Upper
56 100
69 31.0 24.8 37.2
84 84.0 67.4 101.2

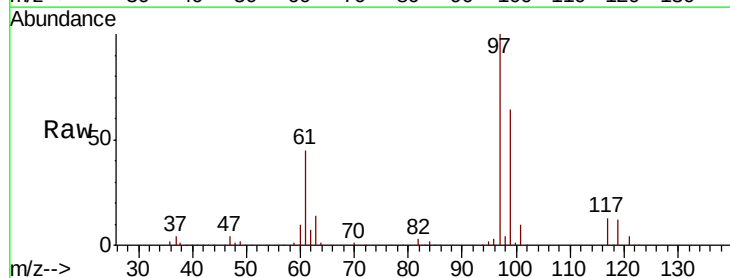


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

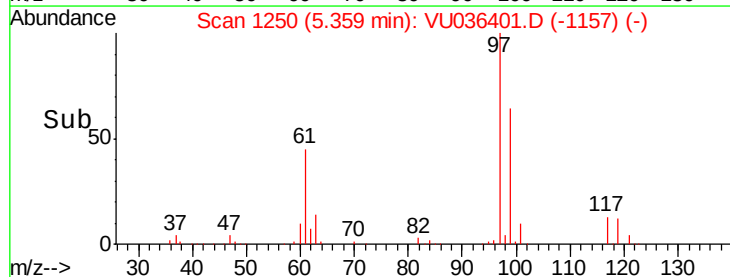
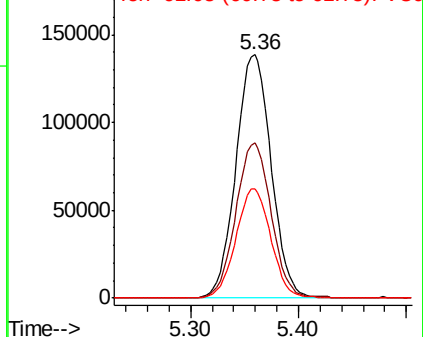


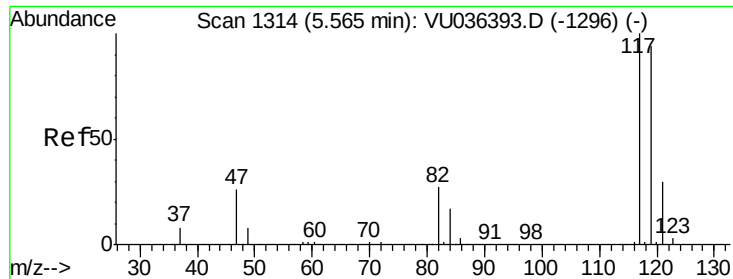
#30
1,1,1-Trichloroethane
Concen: 47.243 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Tgt Ion: 97 Resp: 316200
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 44.4 34.7 52.1



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 46.698 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

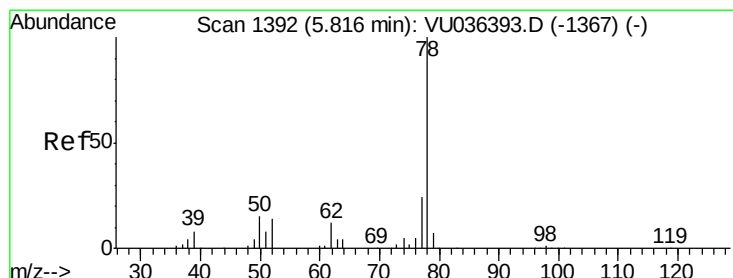
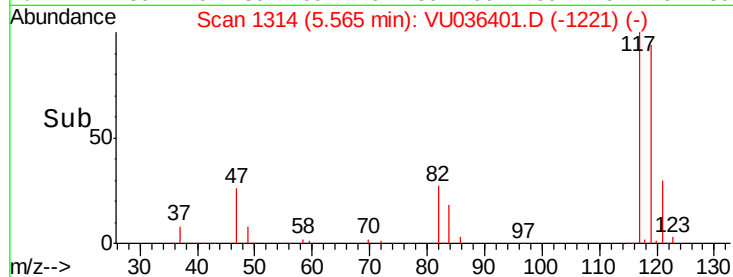
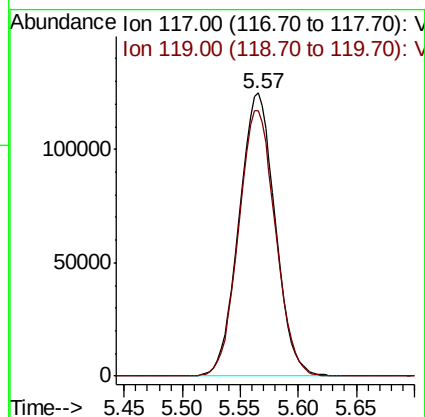
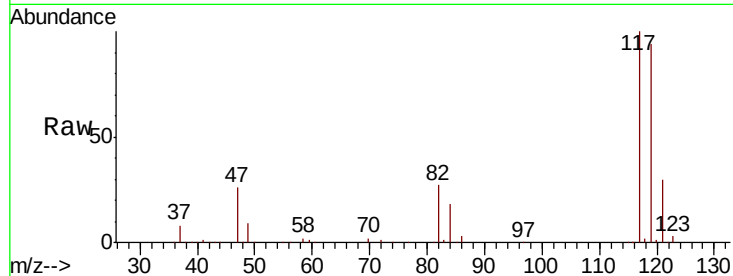
ClientSampleId :

Tot Ion:117 Resp: 270931

Ion Ratio Lower Upper

117 100

119 95.4 76.0 114.0



#33

Benzene

Concen: 47.457 ug/L

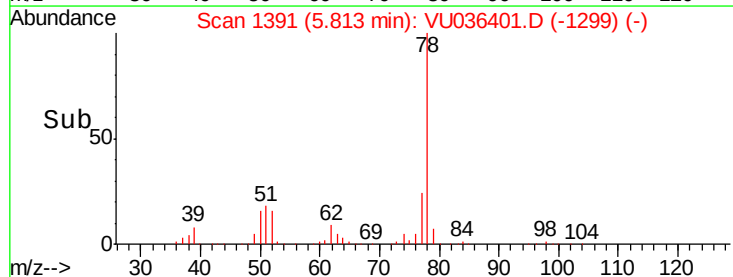
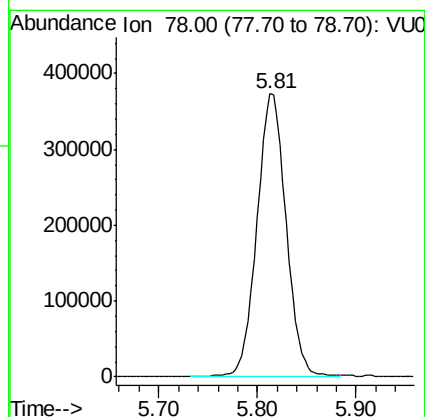
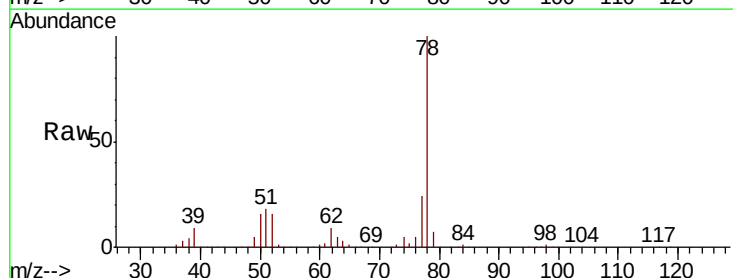
RT: 5.81 min Scan# 1391

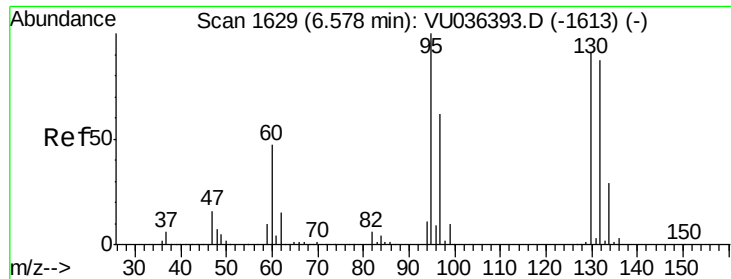
Delta R.T. -0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Tgt Ion: 78 Resp: 761279

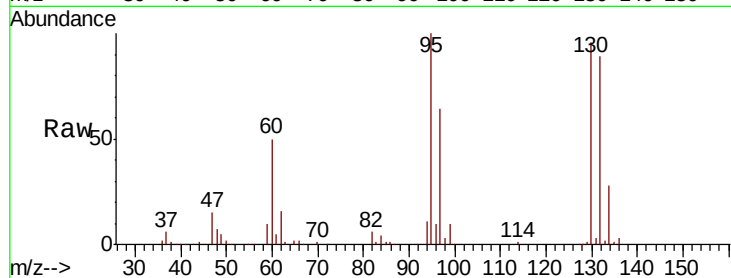




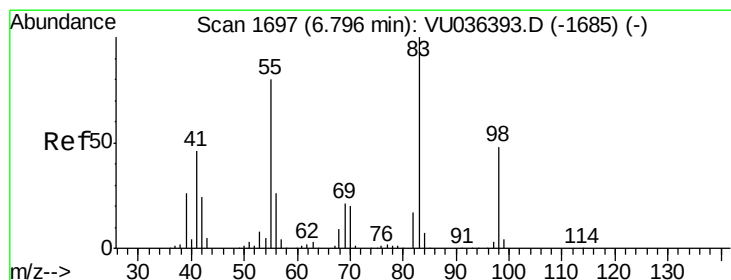
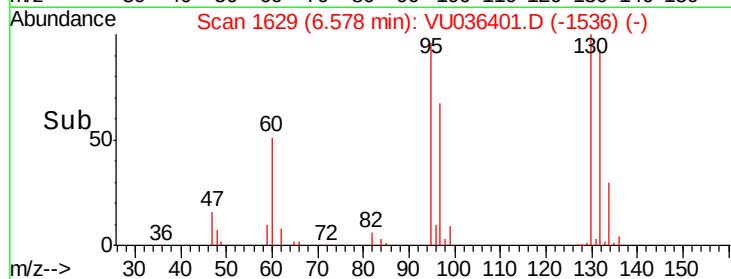
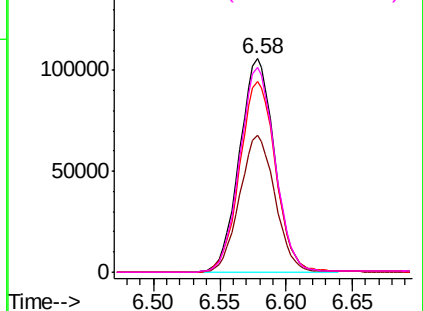
#34
 Trichloroethene
 Concen: 47.281 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	195536
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.5	82.7
132	89.1	64.5	119.9
130	96.0	66.6	123.8

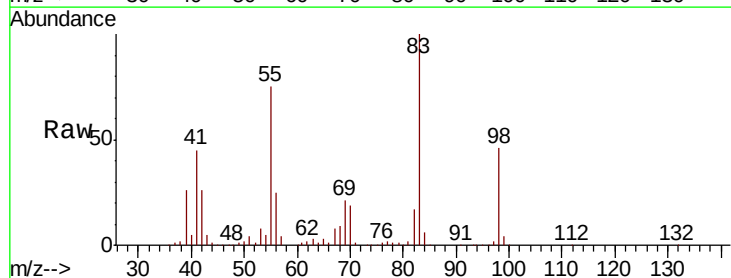


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

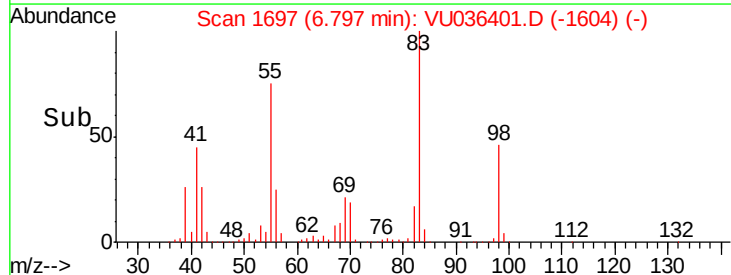
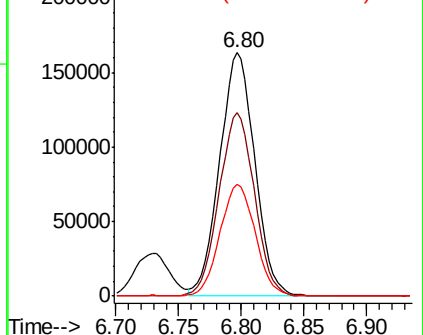


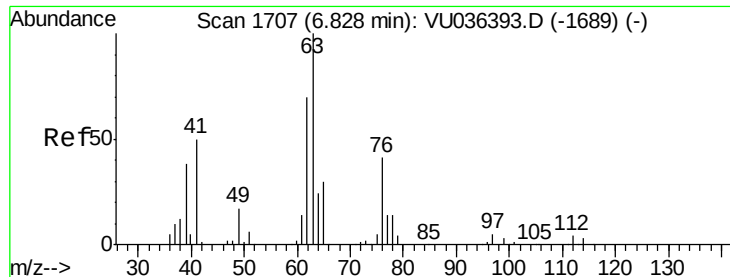
#35
 Methylcyclohexane
 Concen: 48.218 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

Tgt Ion:	83	Resp:	318289
Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.0	90.0
98	46.3	36.2	54.4



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

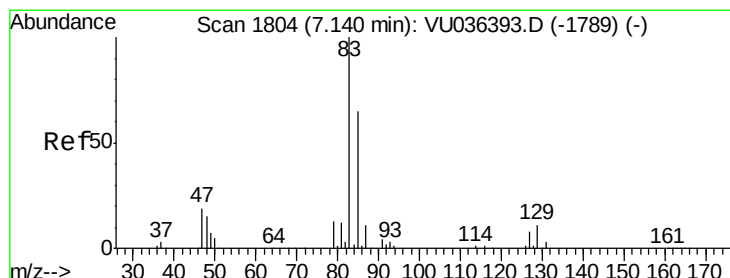
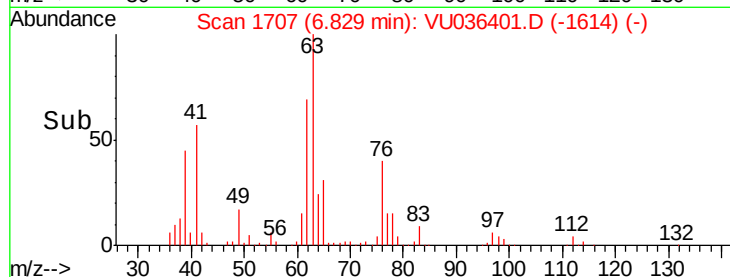
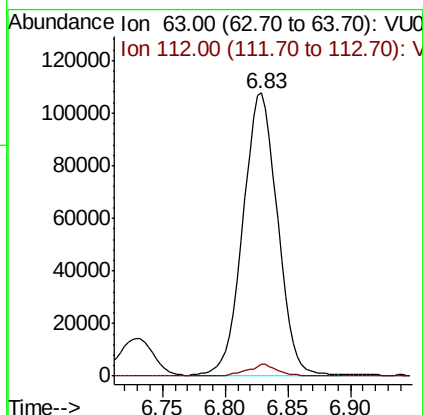
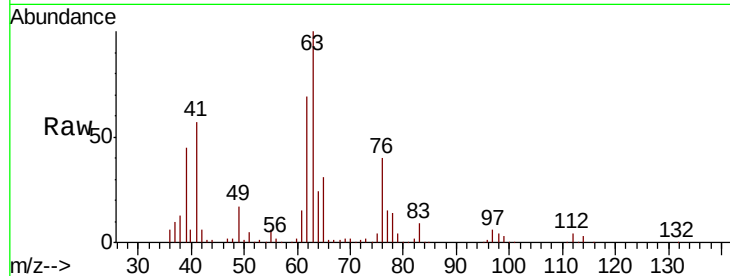




#37
 1,2-Dichloropropane
 Concen: 47.723 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

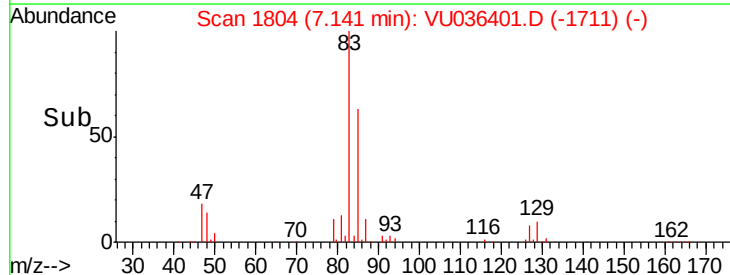
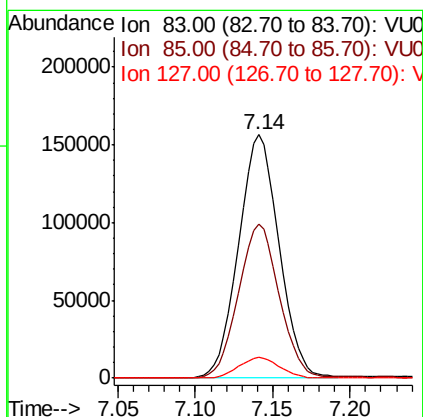
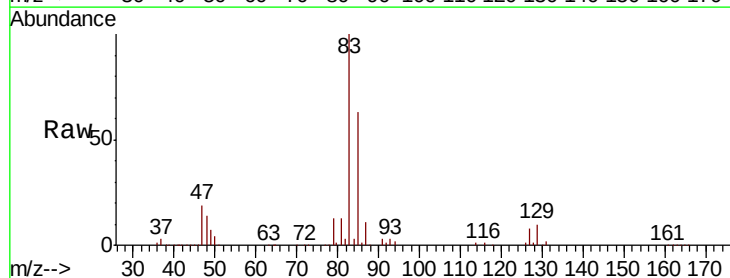
Instrument :
 MSVOA_U
 ClientSampled :

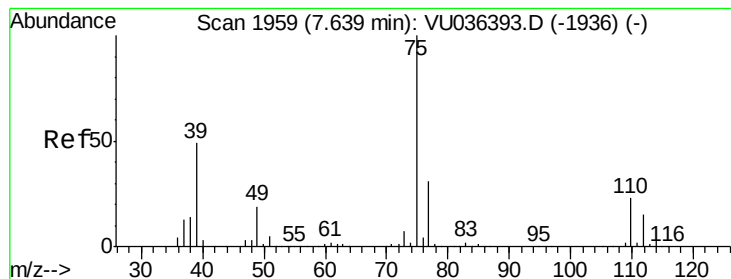
Tot Ion: 63 Resp: 207303
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#38
 Bromodichloromethane
 Concen: 46.341 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

Tgt Ion: 83 Resp: 283981
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.3 84.1
 127 8.3 6.8 10.2



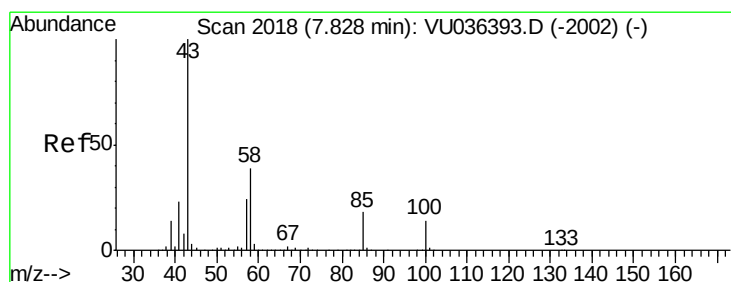
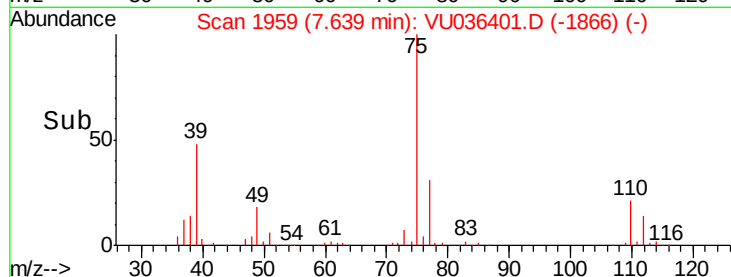
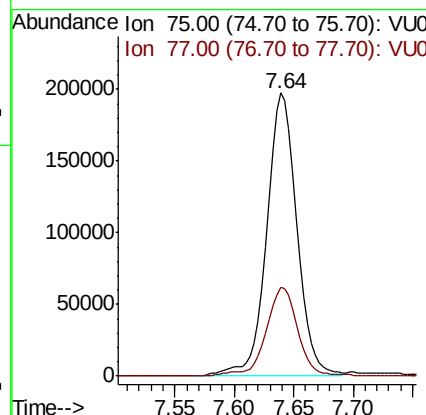
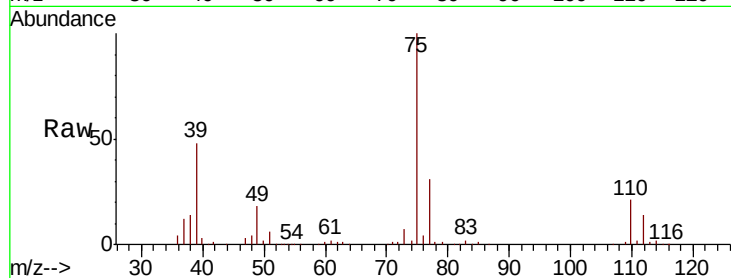


#39

cis-1,3-Dichloropropene
Concen: 47.883 ug/L
RT: 7.64 min Scan# 1959
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :

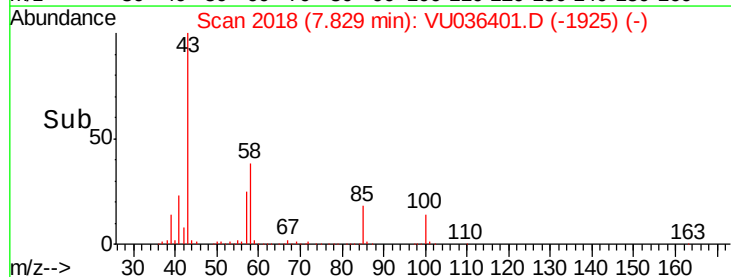
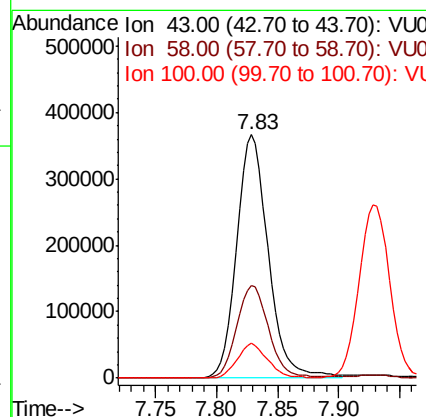
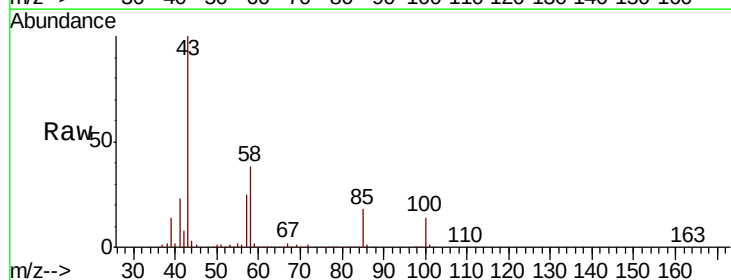
Tot Ion: 75 Resp: 348204
Ion Ratio Lower Upper
75 100
77 31.3 22.2 41.2

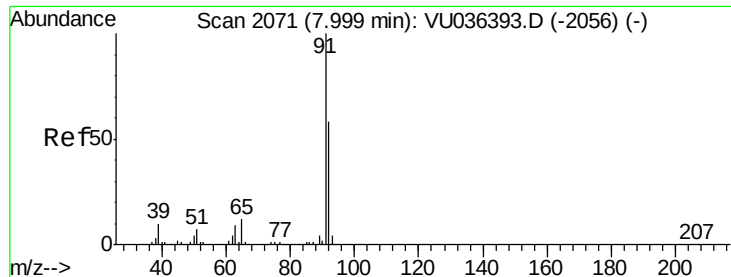


#40

4-Methyl-2-pentanone
Concen: 89.232 ug/L
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Tgt Ion: 43 Resp: 658666
Ion Ratio Lower Upper
43 100
58 38.8 31.6 47.4
100 13.9 11.6 17.4





#42

Toluene

Concen: 46.704 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

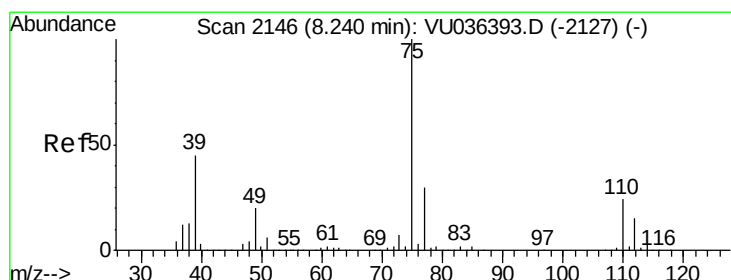
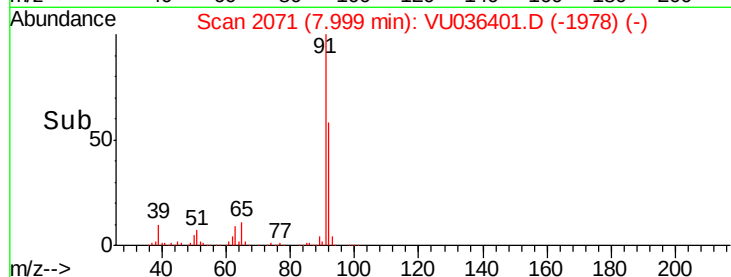
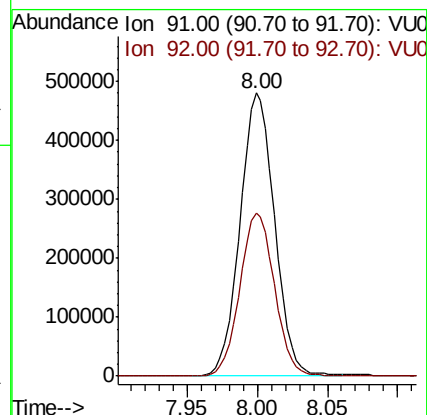
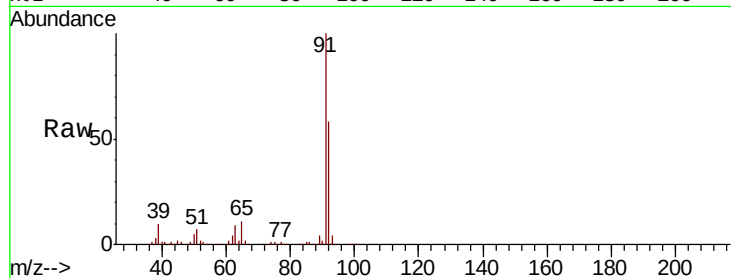
ClientSampleId :

Tot Ion: 91 Resp: 825001

Ion Ratio Lower Upper

91 100

92 57.6 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 46.026 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036401.D

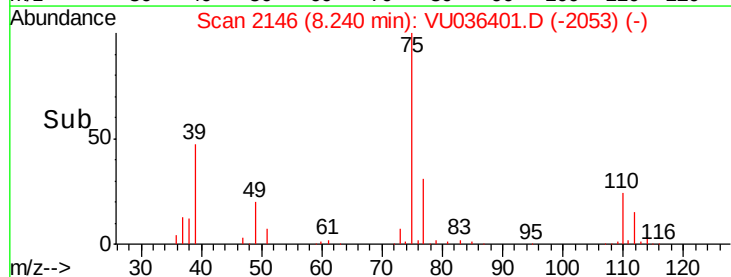
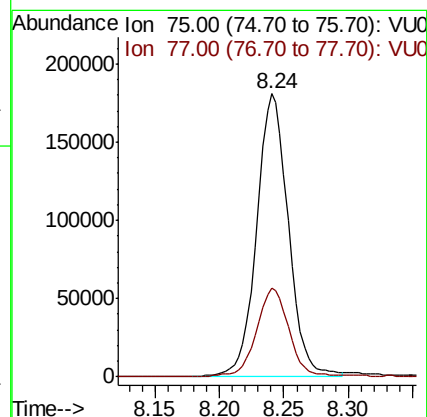
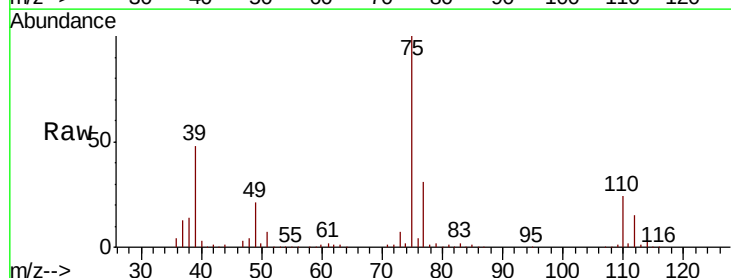
Acq: 08 Jan 2020 11:20

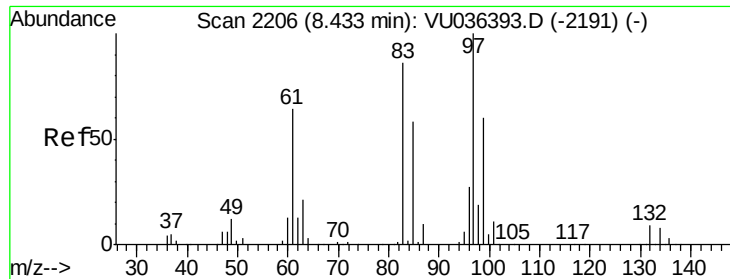
Tgt Ion: 75 Resp: 311801

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9

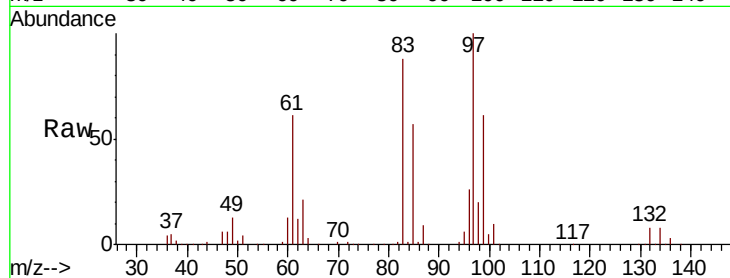




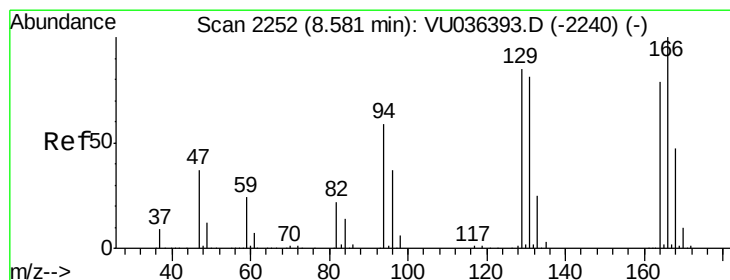
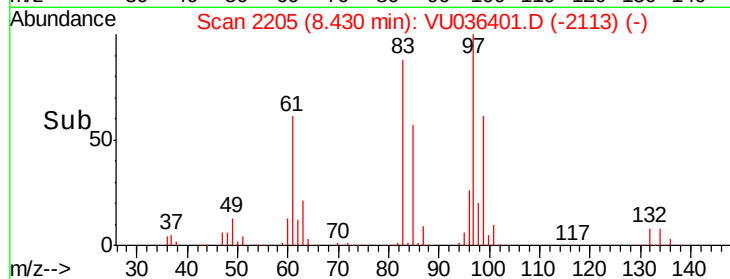
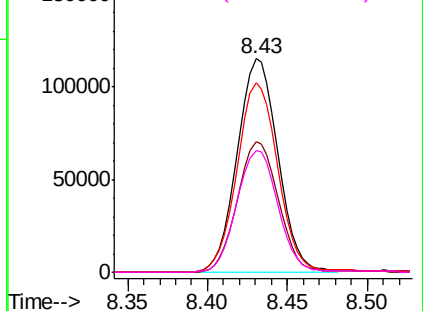
#45
1,1,2-Trichloroethane
Concen: 49.379 ug/L
RT: 8.43 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	200112
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.2	82.2
83	88.4	62.5	116.1
85	56.9	38.1	70.7

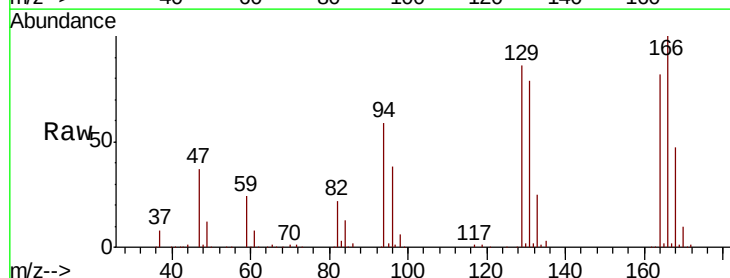


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

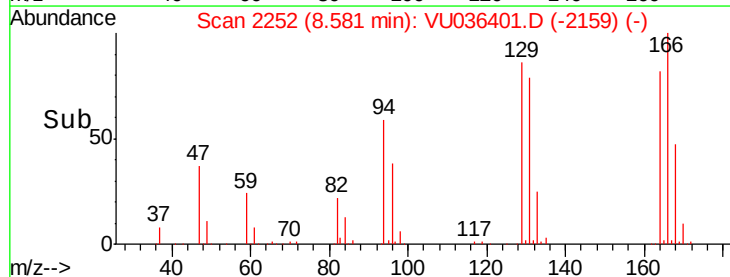
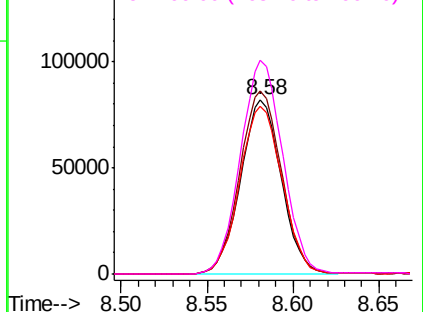


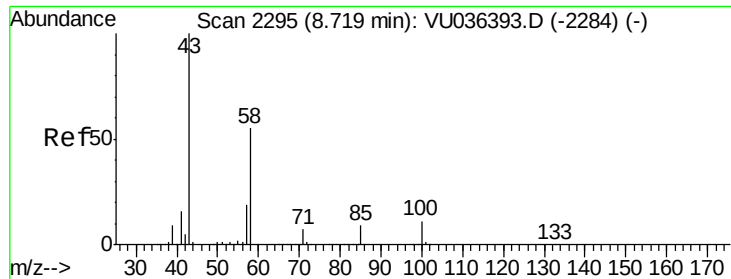
#46
Tetrachloroethene
Concen: 45.382 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Tgt Ion:	164	Resp:	135038
Ion	Ratio	Lower	Upper
164	100		
129	105.3	70.0	130.0
131	96.6	70.1	130.1
166	122.7	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

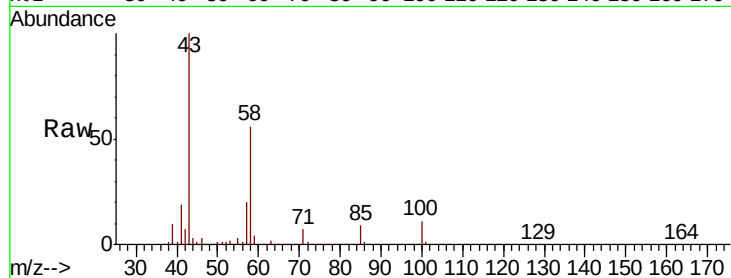




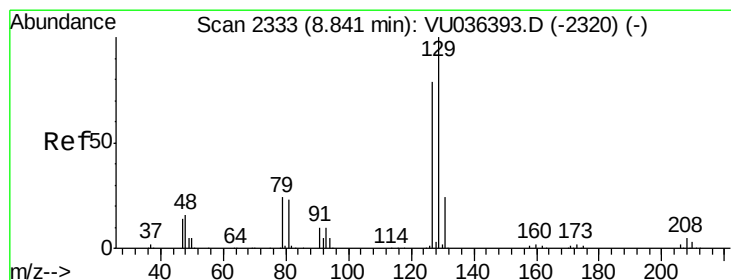
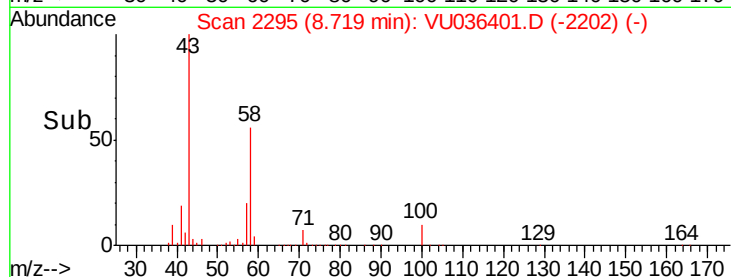
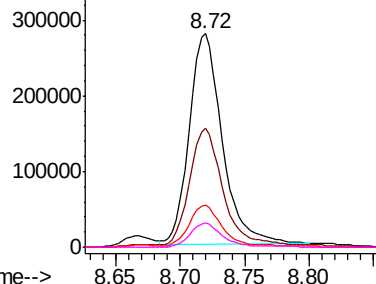
#48
2-Hexanone
Concen: 86.974 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	43	Resp	493983
Ion	Ratio	Lower	Upper
43	100		
58	59.9	42.2	63.4
57	19.9	14.8	22.2
100	11.4	8.8	13.2

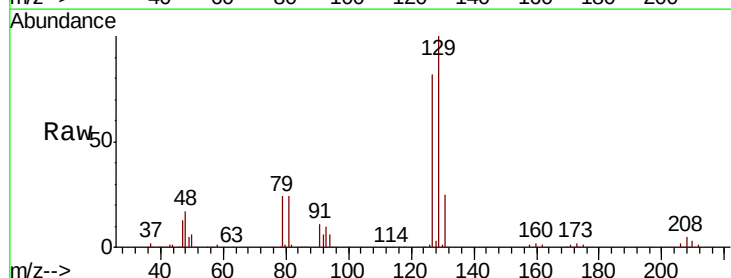


Abundance Ion 43.00 (42.70 to 43.70): VU036393.D (-2284) (-)
Ion 58.00 (57.70 to 58.70): VU036393.D (-2284) (-)
Ion 57.00 (56.70 to 57.70): VU036393.D (-2284) (-)
Ion 100.00 (99.70 to 100.70): VU036393.D (-2284) (-)

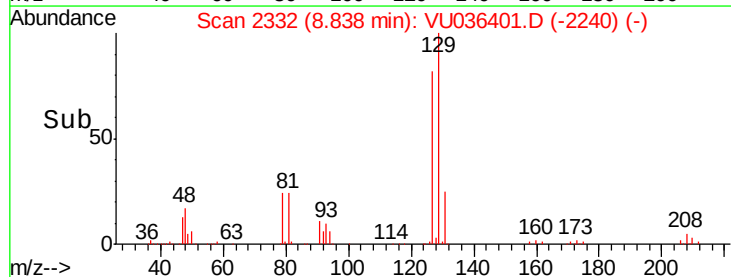
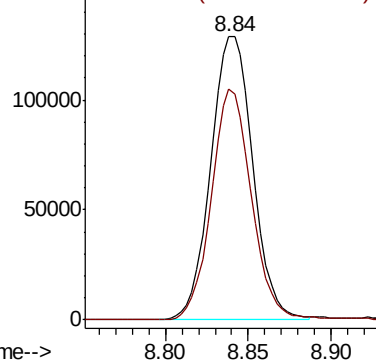


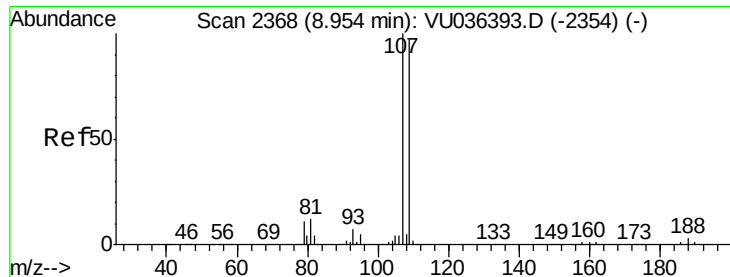
#49
Dibromochloromethane
Concen: 45.854 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Tgt Ion	129	Resp	228092
Ion	Ratio	Lower	Upper
129	100		
127	81.6	54.8	101.8



Abundance Ion 129.00 (128.70 to 129.70): VU036393.D (-2320) (-)
Ion 127.00 (126.70 to 127.70): VU036393.D (-2320) (-)

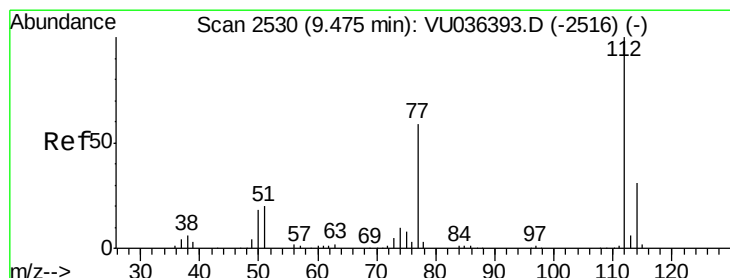
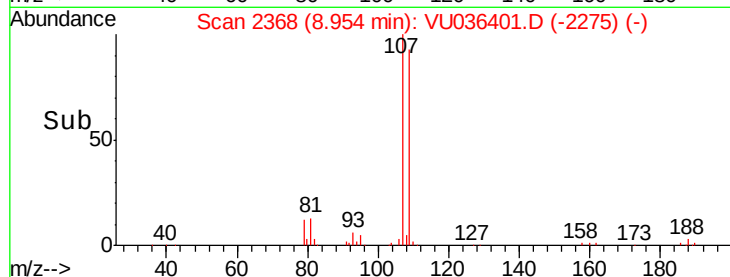
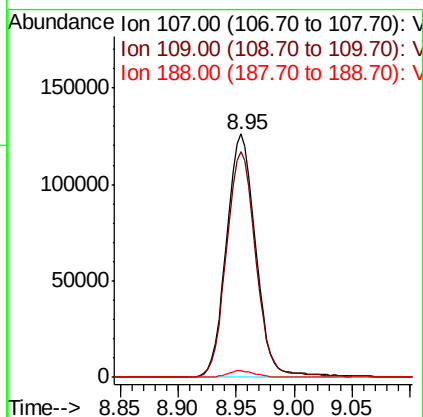
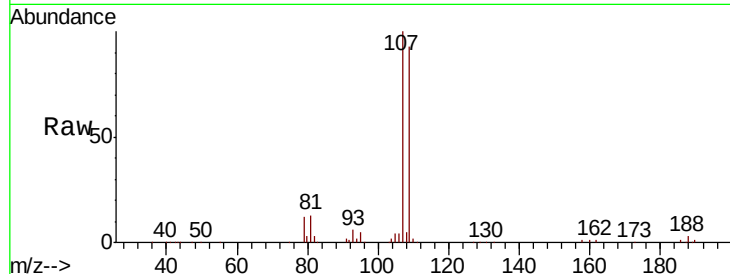




#50
 1,2-Dibromoethane
 Concen: 46.929 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

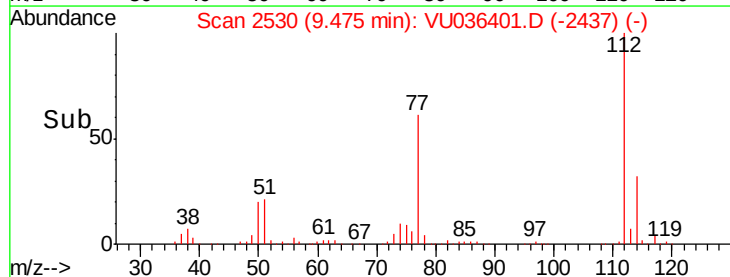
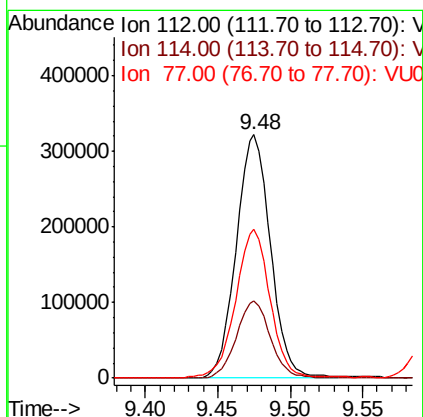
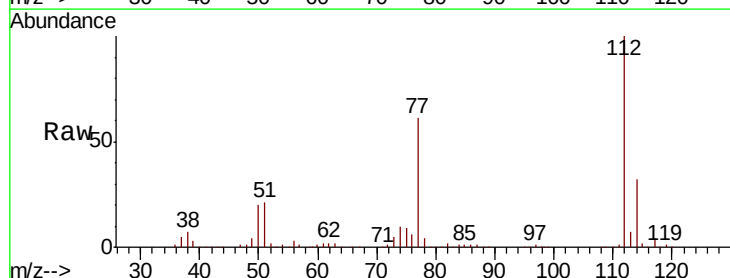
Instrument :
 MSVOA_U
 ClientSampleId :

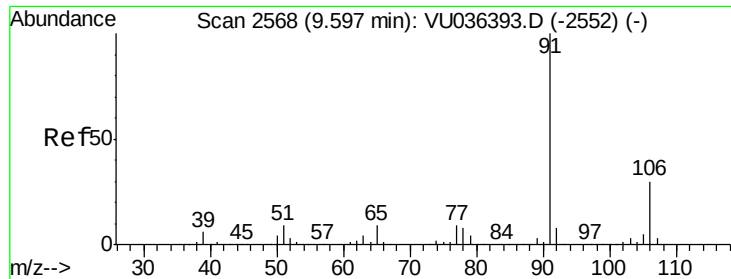
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	67.3	124.9
188	2.7	2.6	3.8



#51
 Chlorobenzene
 Concen: 47.367 ug/L
 RT: 9.48 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	61.1	48.7	73.1

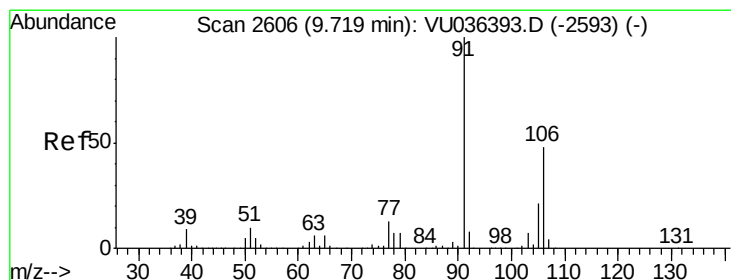
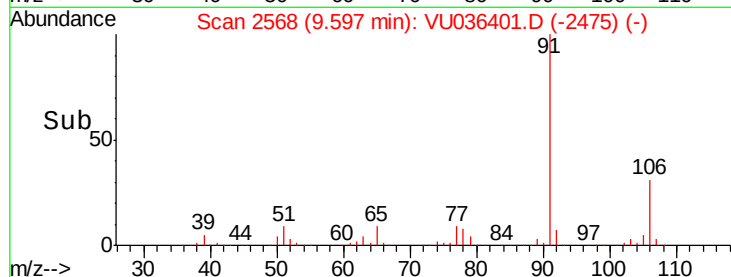
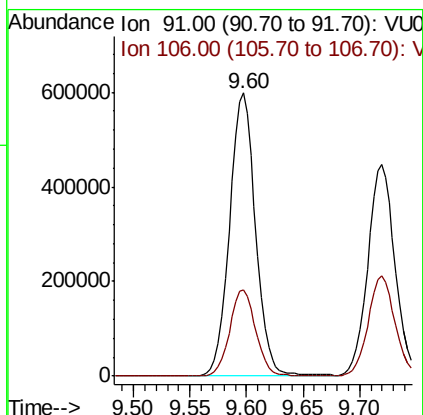
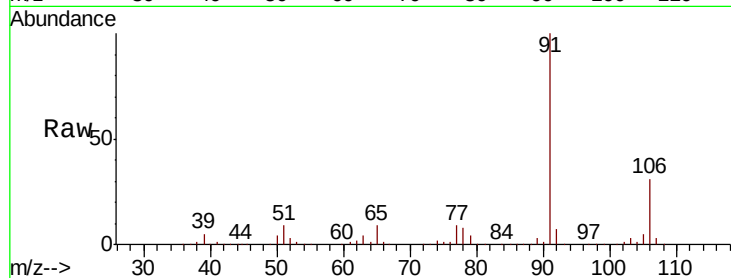




#52
Ethylbenzene
Concen: 47.613 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

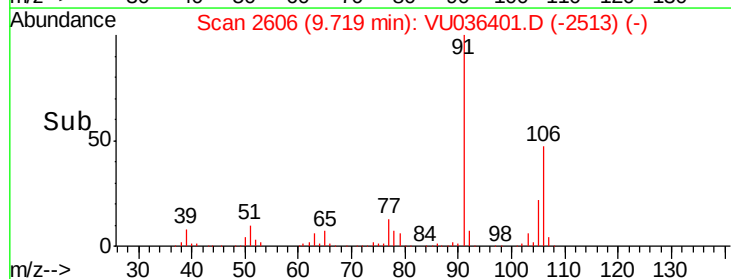
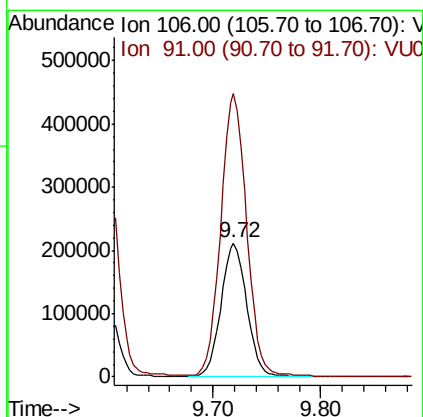
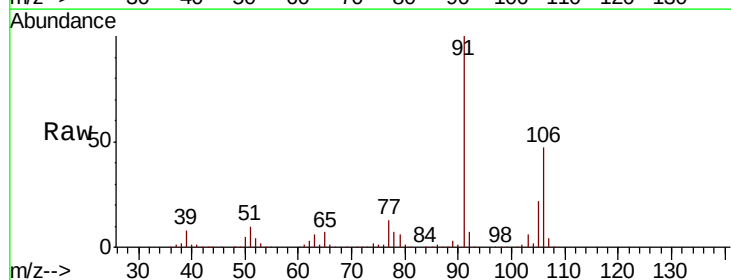
Instrument :
MSVOA_U
ClientSampled :

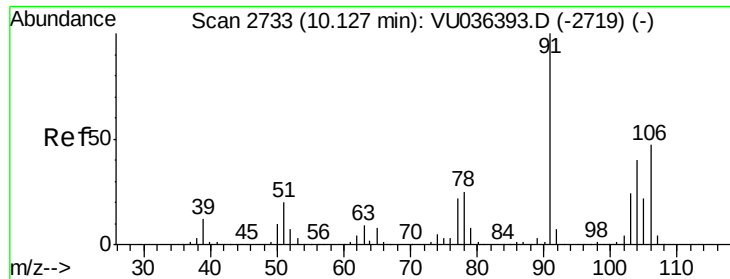
Tot Ion: 91 Resp: 957249
Ion Ratio Lower Upper
91 100
106 30.7 22.0 40.8



#53
m,p-Xylene
Concen: 47.230 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036401.D
Acq: 08 Jan 2020 11:20

Tgt Ion: 106 Resp: 352235
Ion Ratio Lower Upper
106 100
91 211.8 146.8 272.6





#54

o-xylene

Concen: 46.838 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

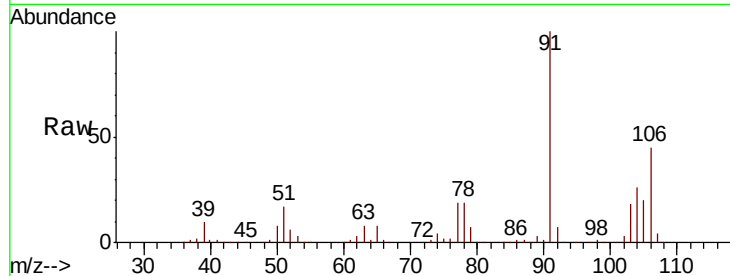
ClientSampled :

Tot Ion:106 Resp: 350488

Ion Ratio Lower Upper

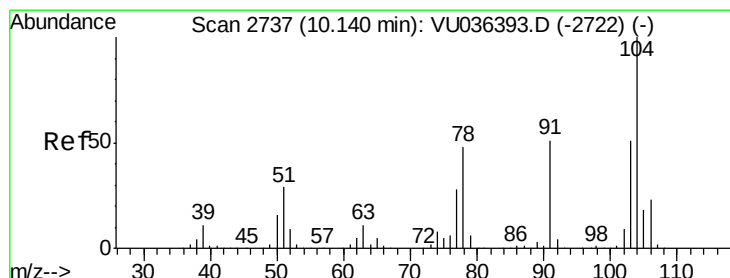
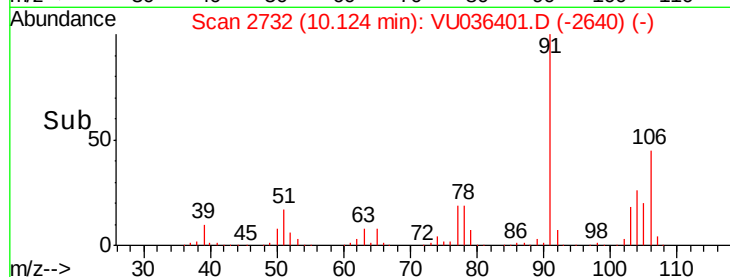
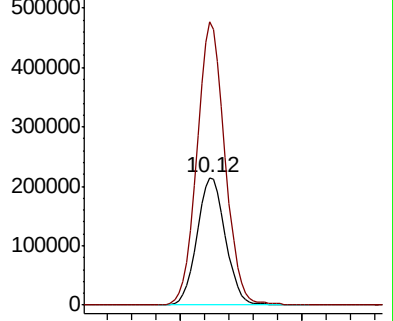
106 100

91 221.5 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 46.637 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036401.D

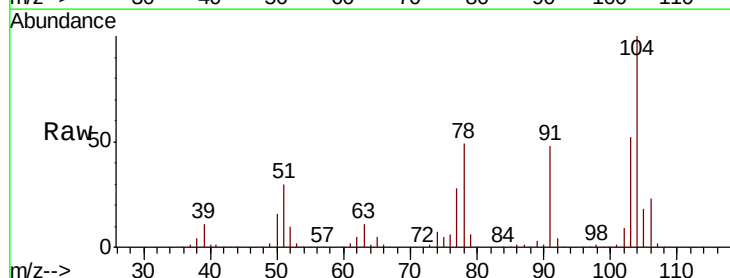
Acq: 08 Jan 2020 11:20

Tgt Ion:104 Resp: 590069

Ion Ratio Lower Upper

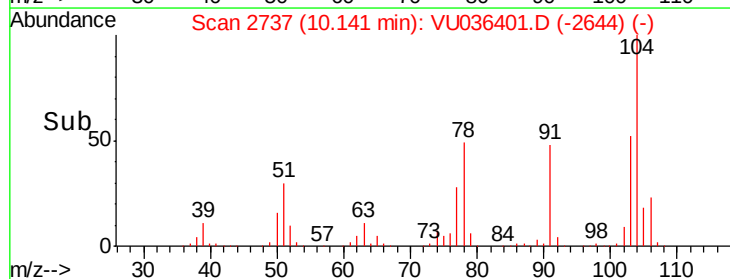
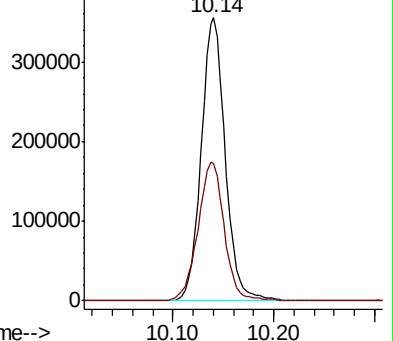
104 100

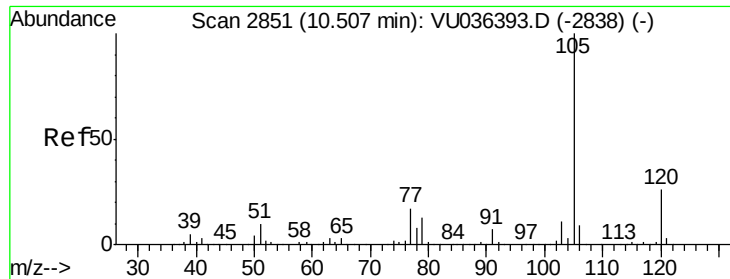
78 48.5 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 47.913 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

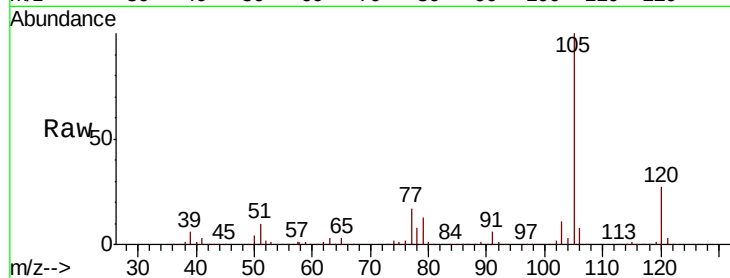
Tot Ion:105 Resp: 934468

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

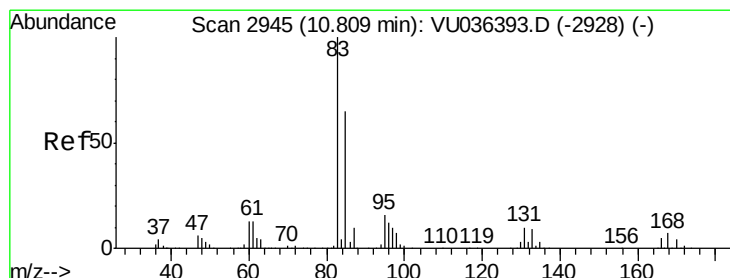
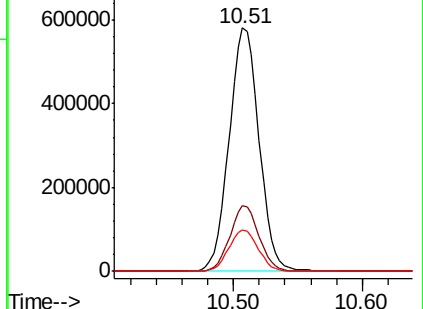
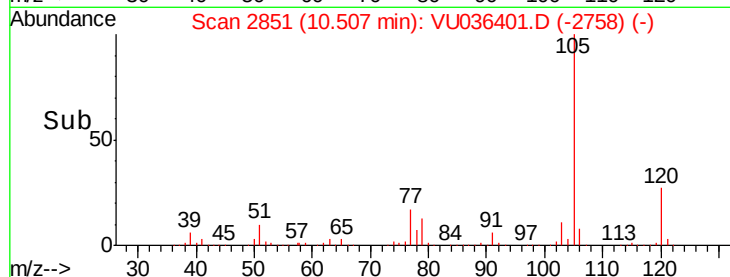
77 16.7 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.306 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

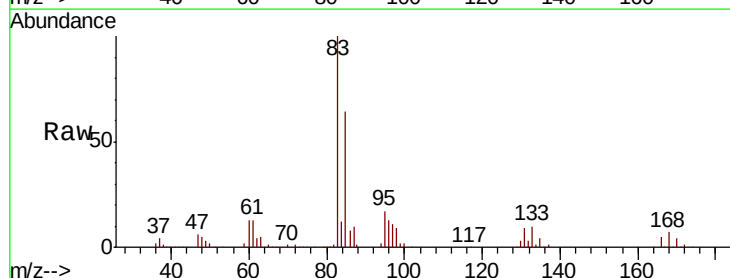
Tgt Ion: 83 Resp: 362377

Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

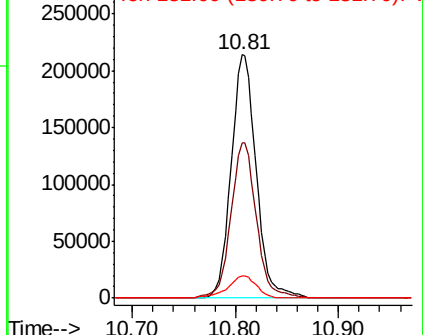
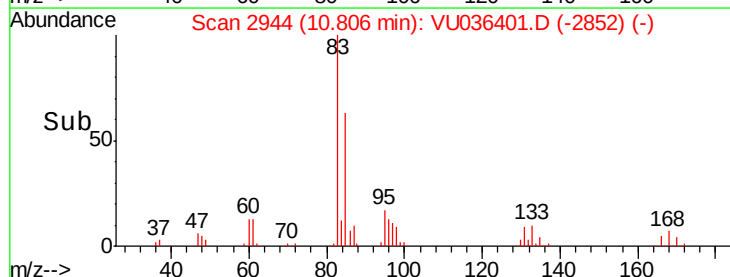
131 9.0 7.5 11.3

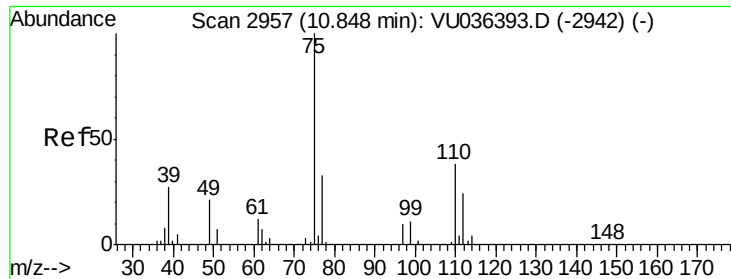


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.137 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

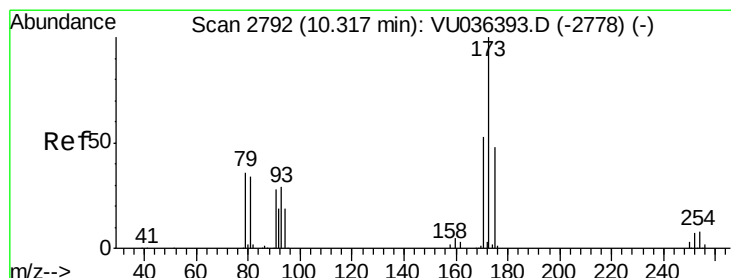
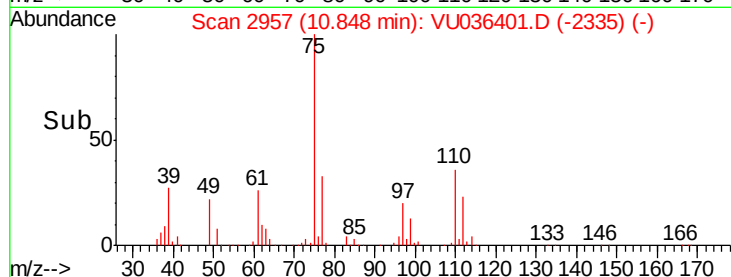
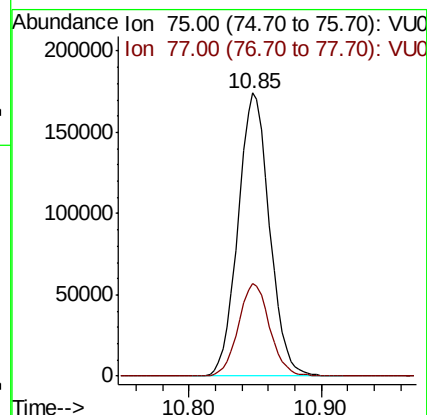
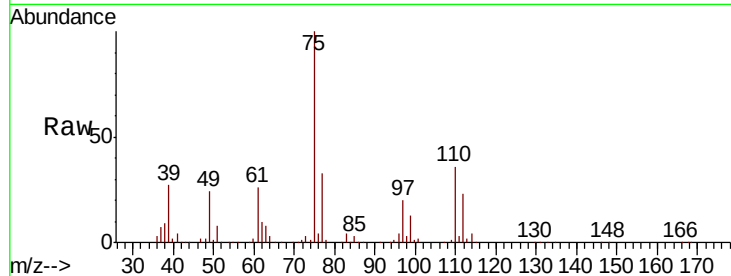
ClientSampleId :

Tot Ion: 75 Resp: 287284

Ion Ratio Lower Upper

75 100

77 32.5 26.3 39.5



#61

Bromoform

Concen: 43.181 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

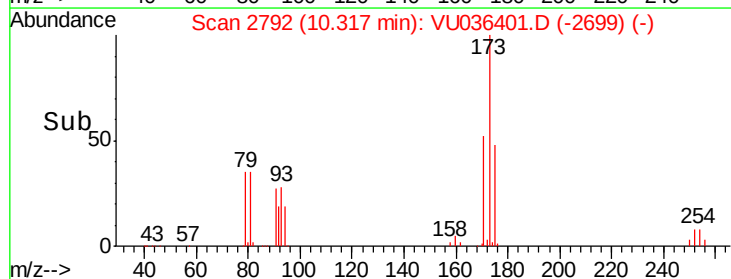
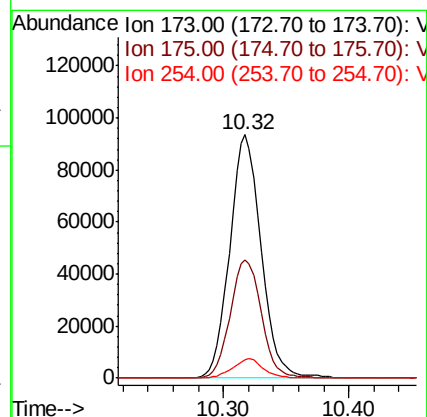
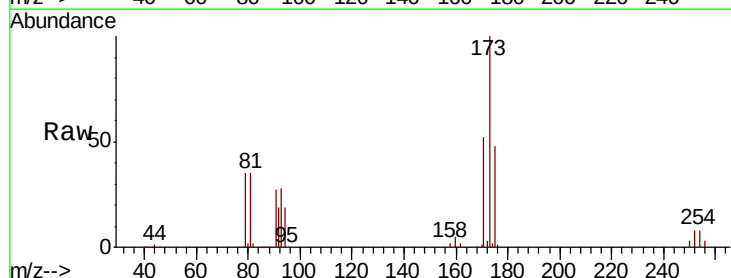
Tgt Ion: 173 Resp: 162355

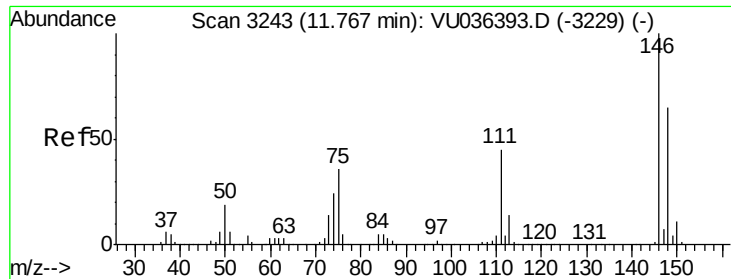
Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

254 7.7 6.9 10.3

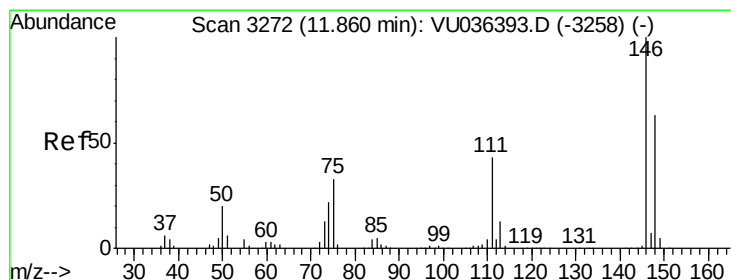
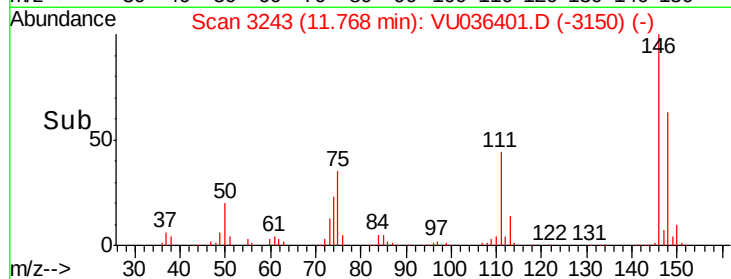
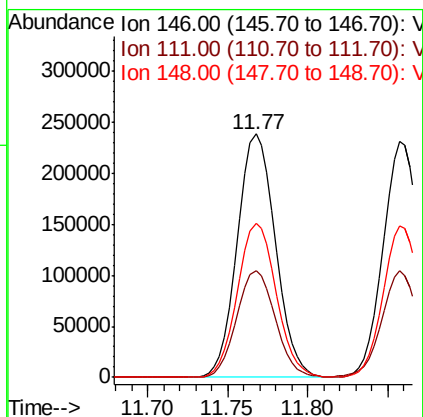
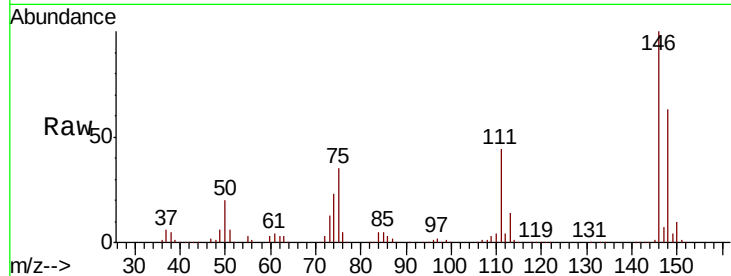




#62
 1,3-Dichlorobenzene
 Concen: 47.437 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

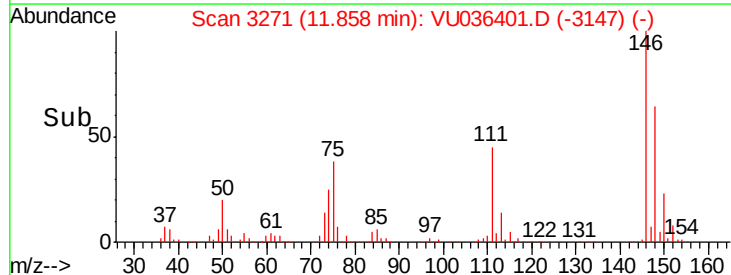
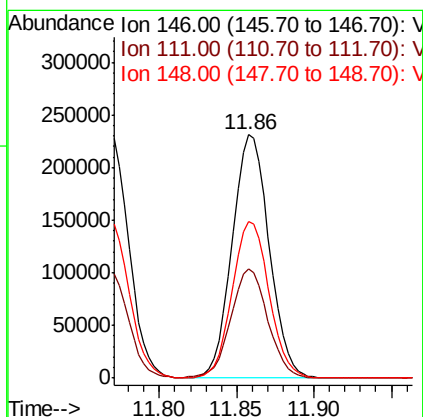
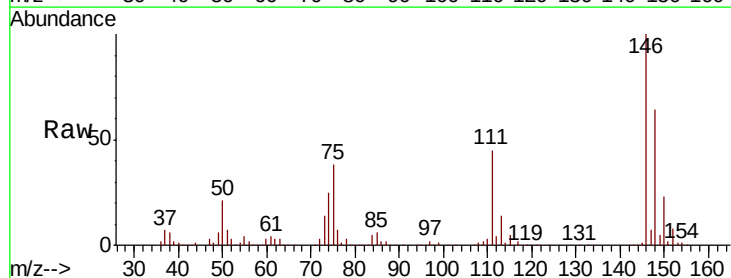
Instrument :
 MSVOA_U
 ClientSampled :

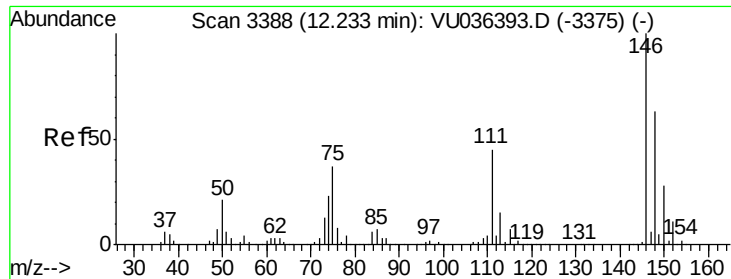
Tot Ion:146 Resp: 387856
 Ion Ratio Lower Upper
 146 100
 111 43.8 29.1 54.1
 148 63.2 46.9 87.1



#63
 1,4-Dichlorobenzene
 Concen: 47.312 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

Tgt Ion:146 Resp: 383731
 Ion Ratio Lower Upper
 146 100
 111 45.1 29.7 55.1
 148 64.4 45.6 84.6

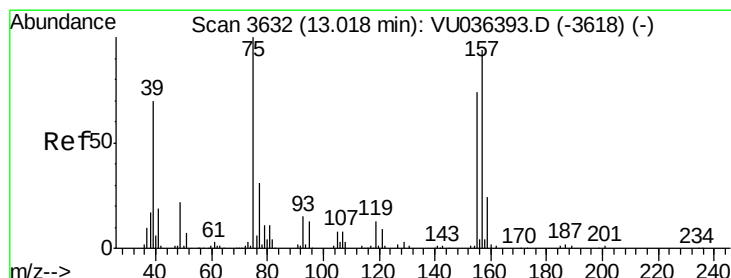
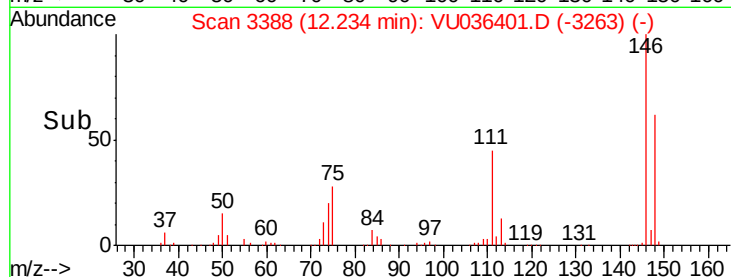
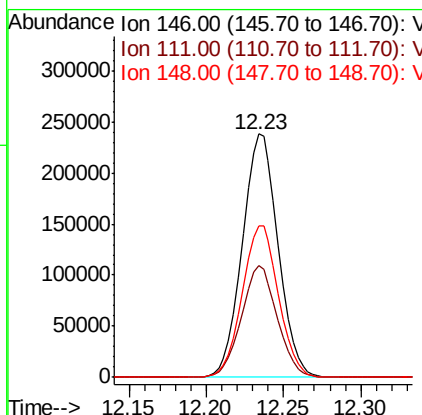
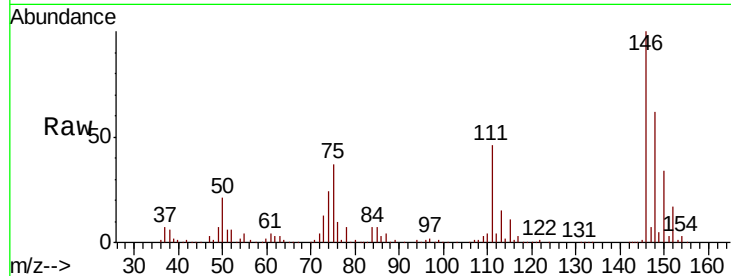




#65
 1,2-Dichlorobenzene
 Concen: 46.746 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

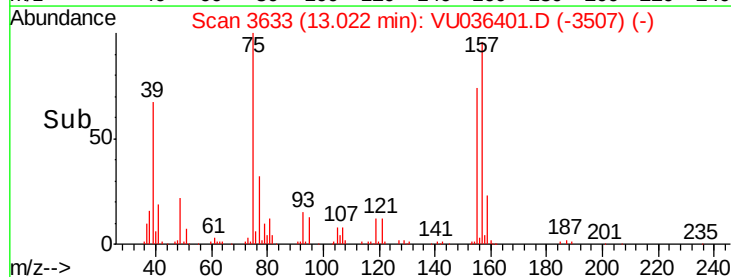
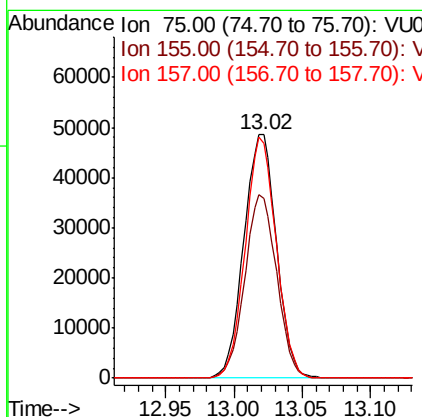
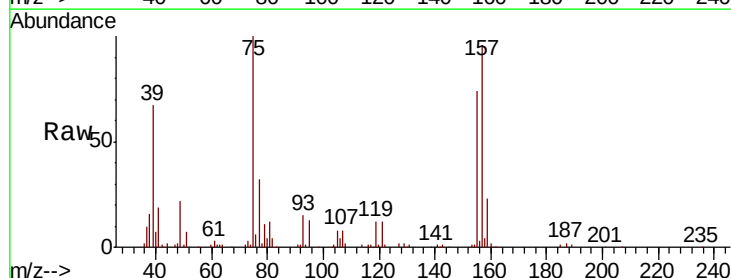
Instrument :
 MSVOA_U
 ClientSampled :

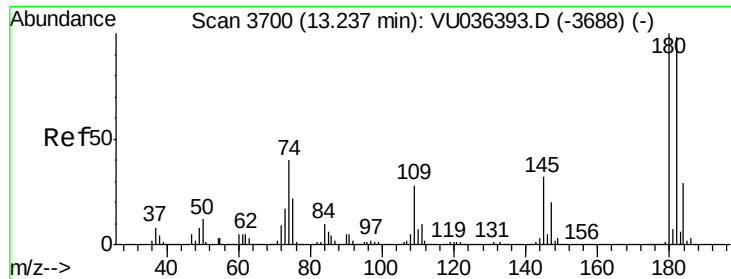
Tot Ion:146 Resp: 382941
 Ion Ratio Lower Upper
 146 100
 111 46.0 33.4 50.2
 148 62.4 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.120 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

Tgt Ion: 75 Resp: 80515
 Ion Ratio Lower Upper
 75 100
 155 74.0 61.8 92.6
 157 96.3 84.2 126.2

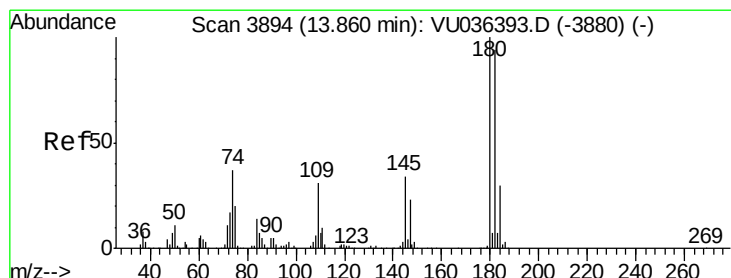
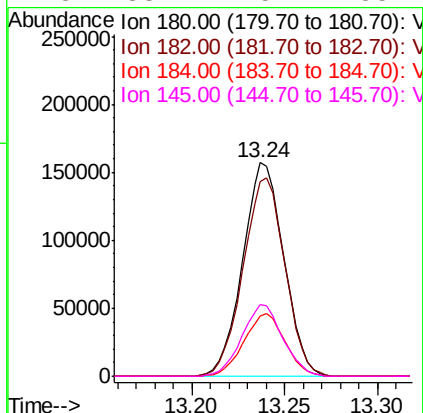
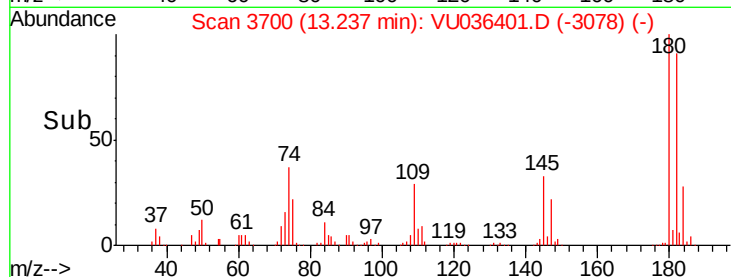
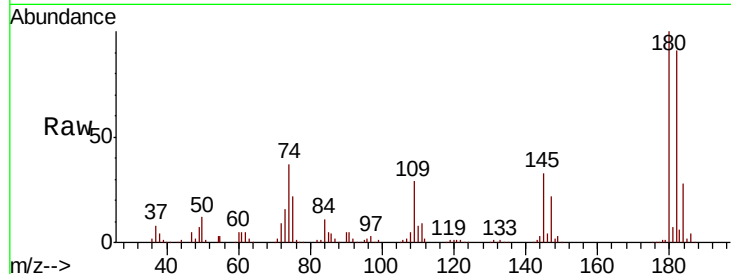




#67
 1,3,5-Trichlorobenzene
 Concen: 44.602 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

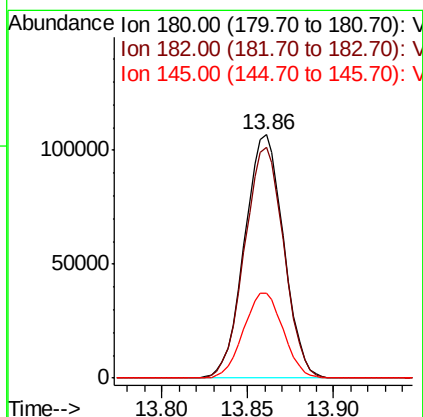
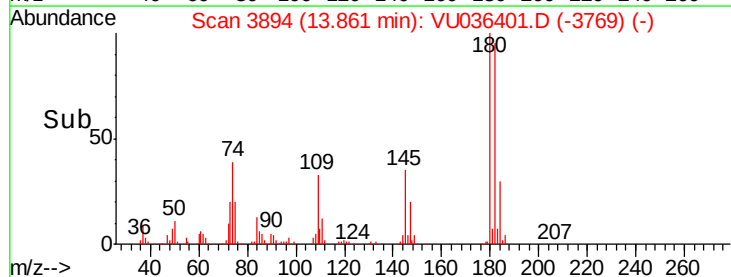
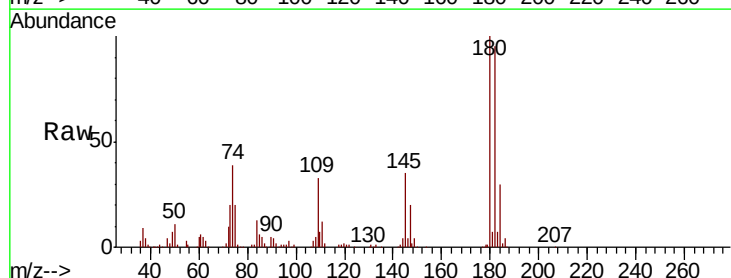
Instrument :
 MSVOA_U
 ClientSampled :

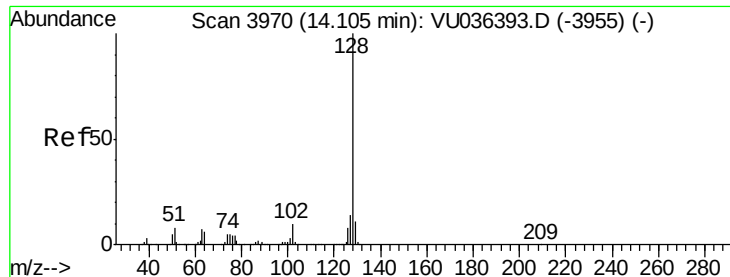
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.6	112.0
184	29.3	23.9	35.9
145	33.4	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 40.955 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036401.D
 Acq: 08 Jan 2020 11:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.0	117.0
145	35.4	26.0	39.0





#69

Naphthalene

Concen: 38.009 ug/L

RT: 14.11 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

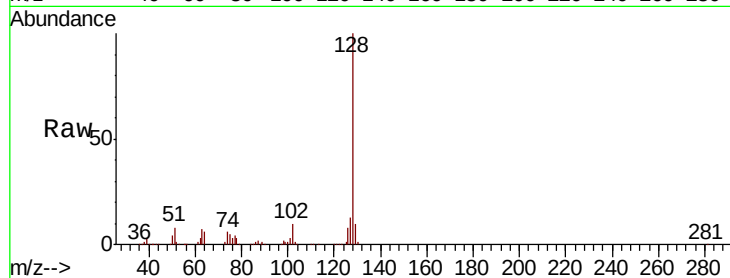
Tot Ion:128 Resp: 537428

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

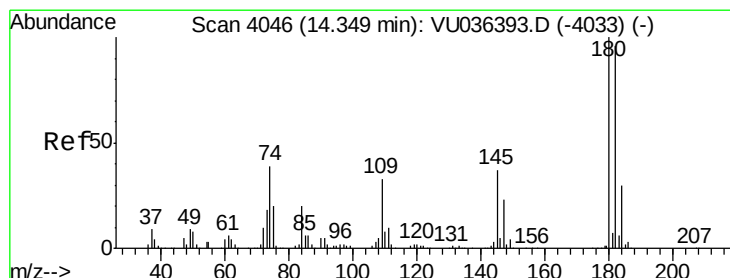
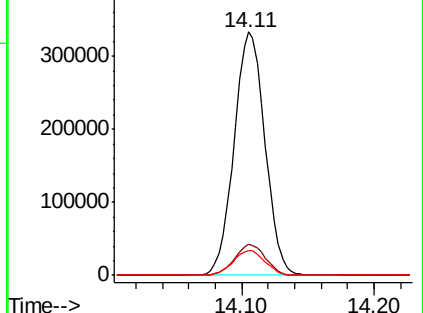
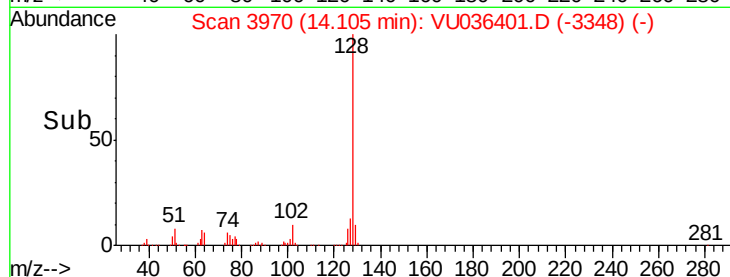
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 40.449 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036401.D

Acq: 08 Jan 2020 11:20

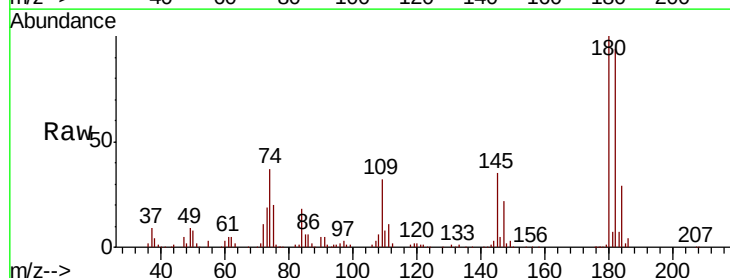
Tgt Ion:180 Resp: 174793

Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.2

145 35.7 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

