

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010720\
 Data File : VU036399.D
 Acq On : 07 Jan 2020 17:42
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 03:58:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 08 03:56:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	520236	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	500299	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	229871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	170593	42.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.16%
7) Chloroethane-d5	1.93	69	152332	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.10%
11) 1,1-Dichloroethene-d2	2.59	63	336675	48.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.50%
21) 2-Butanone-d5	4.68	46	316153	104.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.73%
24) Chloroform-d	5.11	84	371985	52.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.16%
26) 1,2-Dichloroethane-d4	5.75	65	249685	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.44%
32) Benzene-d6	5.77	84	727290	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
36) 1,2-Dichloropropane-d6	6.73	67	239984	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.76%
41) Toluene-d8	7.93	98	692964	51.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.66%
43) trans-1,3-Dichloropropene-	8.21	79	127625	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
47) 2-Hexanone-d5	8.67	63	248200	103.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.02%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	366231	51.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.38%
64) 1,2-Dichlorobenzene-d4	12.21	152	243622	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	186776	44.951	ug/L 100
3) Chloromethane	1.54	50	176556	46.700	ug/L 98
5) Vinyl chloride	1.62	62	186480	42.497	ug/L 99
6) Bromomethane	1.87	94	104059	49.070	ug/L 98
8) Chloroethane	1.95	64	112656	42.670	ug/L 99
9) Trichlorofluoromethane	2.16	101	271766	44.053	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	147348	48.249	ug/L 98
12) 1,1-Dichloroethene	2.61	96	145064	48.187	ug/L 97
13) Acetone	2.66	43	191138	61.046	ug/L 100
14) Carbon disulfide	2.82	76	383070	41.120	ug/L 99
15) Methyl Acetate	2.99	43	216953	51.529	ug/L 97
16) Methylene chloride	3.08	84	177024	48.037	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	159119	48.959	ug/L 99
18) Methyl tert-butyl Ether	3.41	73	597112	50.575	ug/L 99
19) 1,1-Dichloroethane	3.92	63	323556	49.666	ug/L 97
20) cis-1,2-Dichloroethene	4.72	96	190923	48.567	ug/L # 86
22) 2-Butanone	4.76	43	325662	88.045	ug/L 97

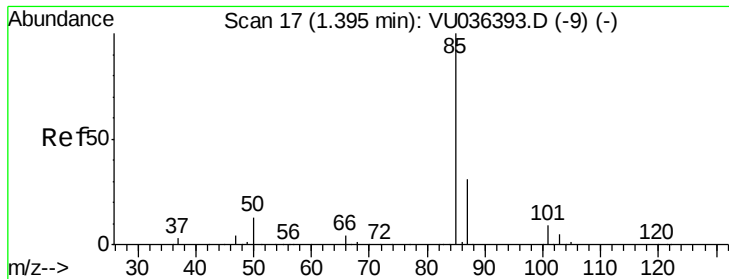
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	93077	49.322	uq/L	95
25) Chloroform	5.13	83	347823	50.109	uq/L	100
27) 1,2-Dichloroethane	5.84	62	278481	51.900	uq/L	98
29) Cyclohexane	5.43	56	276255	47.657	uq/L	98
30) 1,1,1-Trichloroethane	5.36	97	305437	49.812	uq/L	100
31) Carbon tetrachloride	5.57	117	256440	48.246	uq/L	99
33) Benzene	5.82	78	725802	49.386	uq/L	100
34) Trichloroethene	6.58	95	187281	49.429	uq/L	95
35) Methylcyclohexane	6.80	83	280257	46.342	uq/L	97
37) 1,2-Dichloropropane	6.83	63	198238	49.813	uq/L	99
38) Bromodichloromethane	7.14	83	278224	49.556	uq/L	99
39) cis-1,3-Dichloropropene	7.64	75	332982	49.981	uq/L	99
40) 4-Methyl-2-pentanone	7.83	43	663370	98.094	uq/L	100
42) Toluene	8.00	91	797880	49.303	uq/L	100
44) trans-1,3-Dichloropropene	8.24	75	302008	48.660	uq/L	100
45) 1,1,2-Trichloroethane	8.43	97	195504	52.657	uq/L	98
46) Tetrachloroethene	8.58	164	126853	46.533	uq/L	97
48) 2-Hexanone	8.72	43	523257	100.559	uq/L	99
49) Dibromochloromethane	8.84	129	223047	48.943	uq/L	98
50) 1,2-Dibromoethane	8.95	107	215925	50.147	uq/L	99
51) Chlorobenzene	9.47	112	508586	49.790	uq/L	99
52) Ethylbenzene	9.60	91	902705	49.009	uq/L	98
53) m,p-Xylene	9.72	106	331282	48.486	uq/L	97
54) o-xylene	10.13	106	328686	47.944	uq/L	96
55) Styrene	10.14	104	558032	48.141	uq/L	100
56) Isopropylbenzene	10.51	105	875923	49.021	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	354361	50.493	uq/L	98
59) 1,2,3-Trichloropropane	10.85	75	282462	50.587	uq/L	98
61) Bromoform	10.32	173	159817	46.785	uq/L	99
62) 1,3-Dichlorobenzene	11.77	146	365358	49.185	uq/L	95
63) 1,4-Dichlorobenzene	11.86	146	356681	48.405	uq/L	99
65) 1,2-Dichlorobenzene	12.23	146	367698	49.404	uq/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	82837	47.697	uq/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	213334	43.249	uq/L	98
68) 1,2,4-trichlorobenzene	13.86	180	155171	41.508	uq/L	97
69) Naphthalene	14.10	128	531467	41.372	uq/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	165932	42.265	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 44.951 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

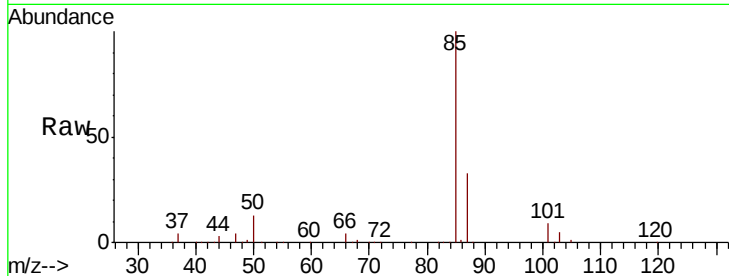
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 186776

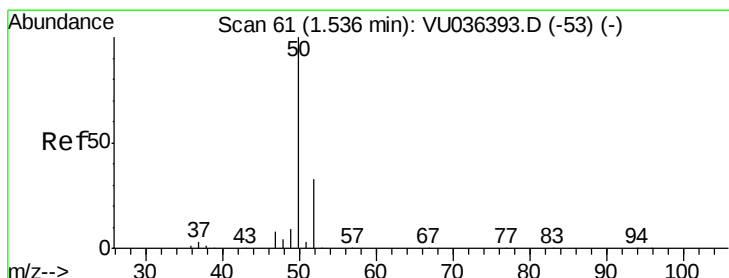
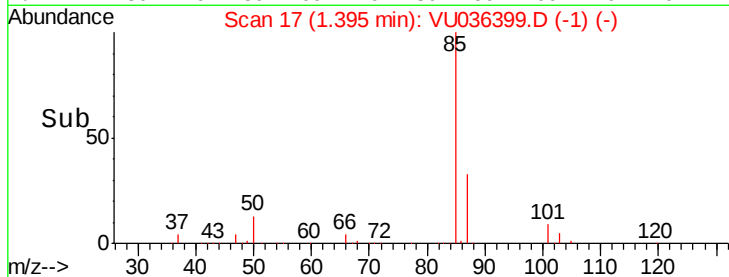
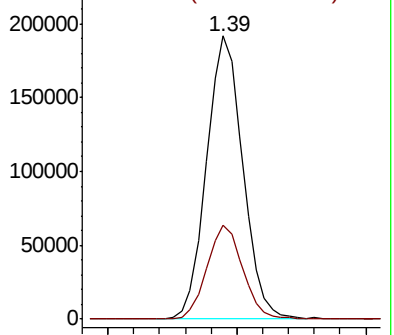
Ion Ratio Lower Upper

85 100

87 32.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU036399.D (-9) (-)



#3

Chloromethane

Concen: 46.700 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036399.D

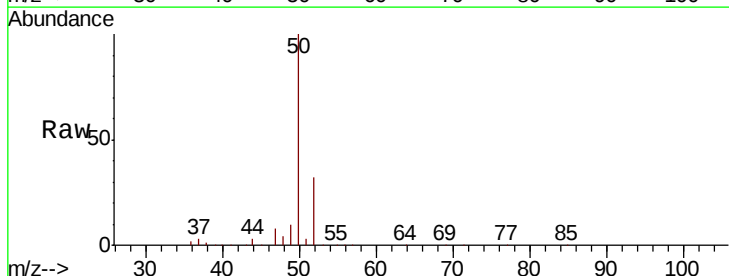
Acq: 07 Jan 2020 17:42

Tgt Ion: 50 Resp: 176556

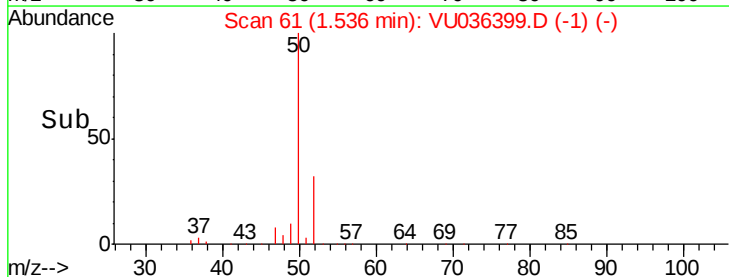
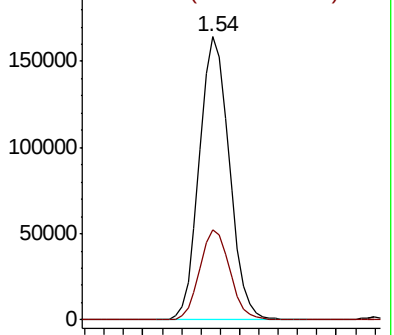
Ion Ratio Lower Upper

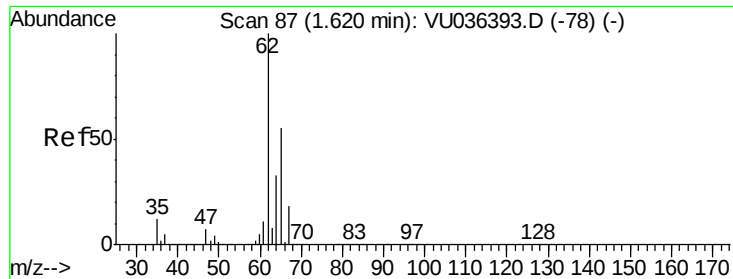
50 100

52 31.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036399.D (-53) (-)





#5

Vinyl chloride

Concen: 42.497 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

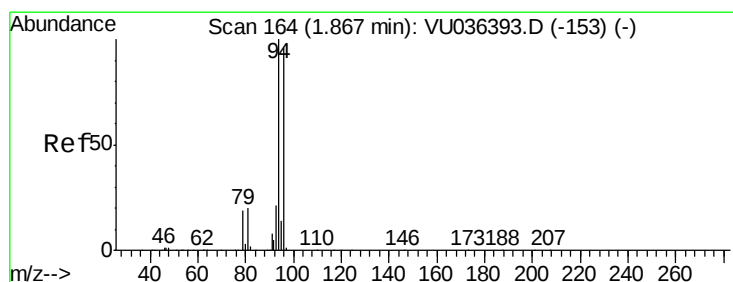
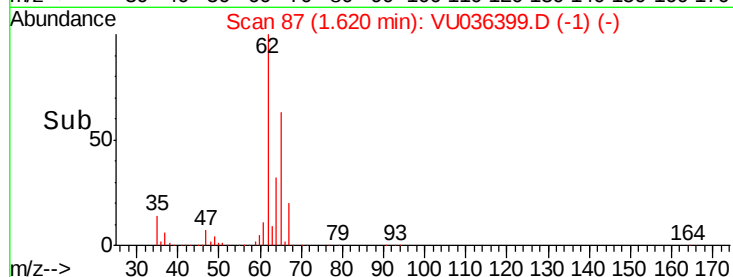
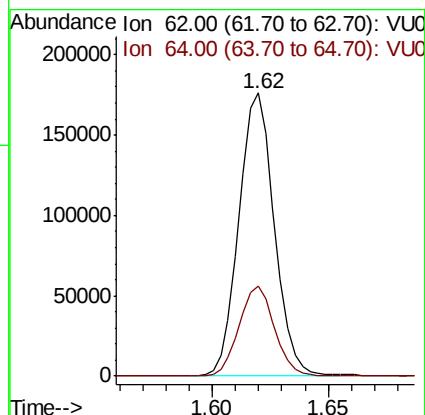
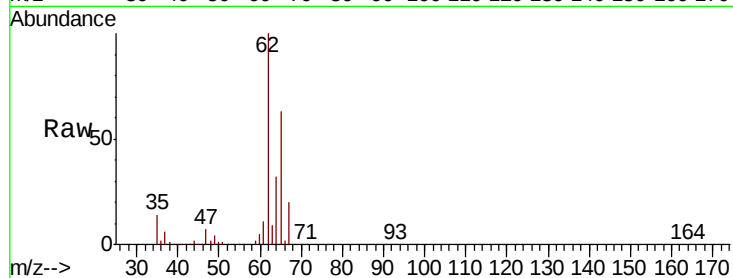
ClientSampleId :

Tot Ion: 62 Resp: 186480

Ion Ratio Lower Upper

62 100

64 31.8 22.7 42.3



#6

Bromomethane

Concen: 49.070 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036399.D

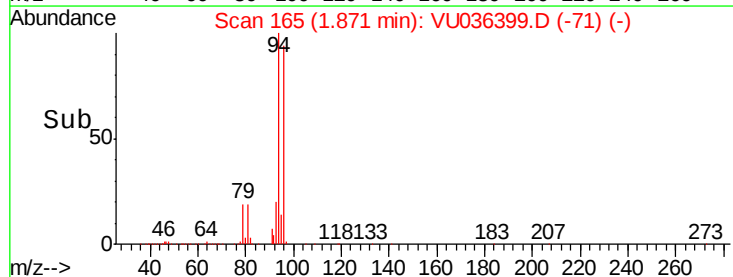
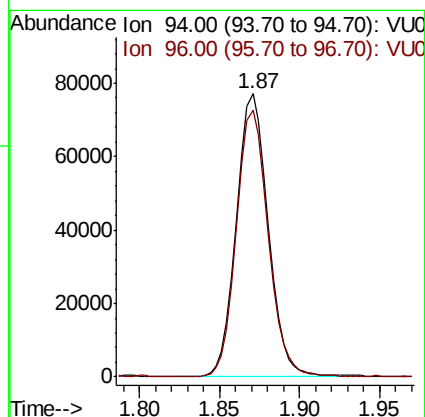
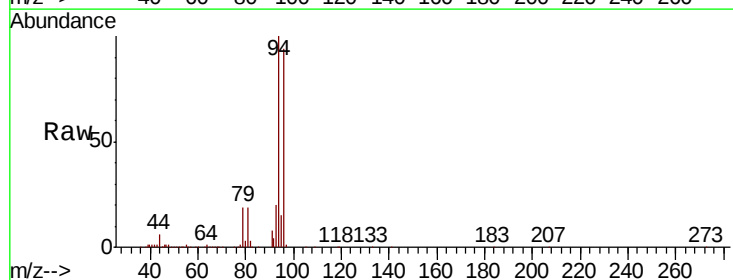
Acq: 07 Jan 2020 17:42

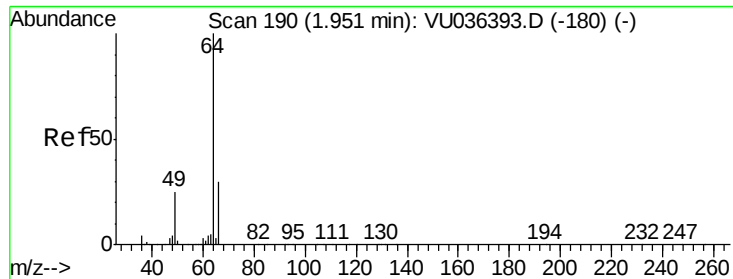
Tgt Ion: 94 Resp: 104059

Ion Ratio Lower Upper

94 100

96 94.3 64.5 119.7

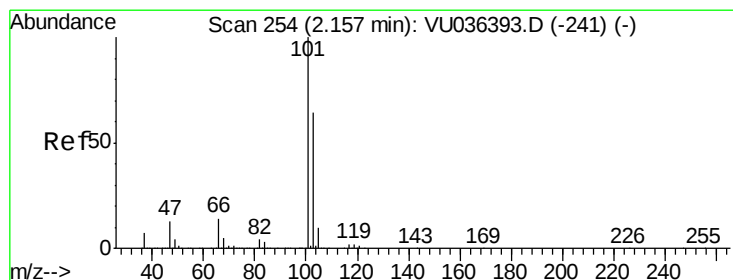
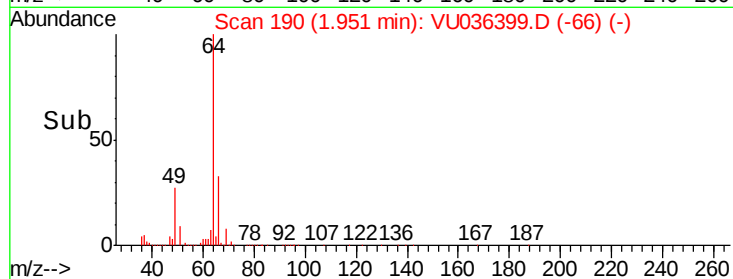
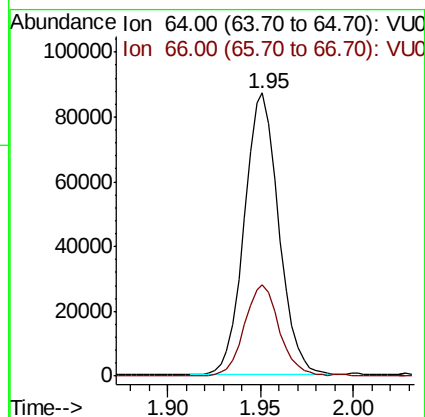
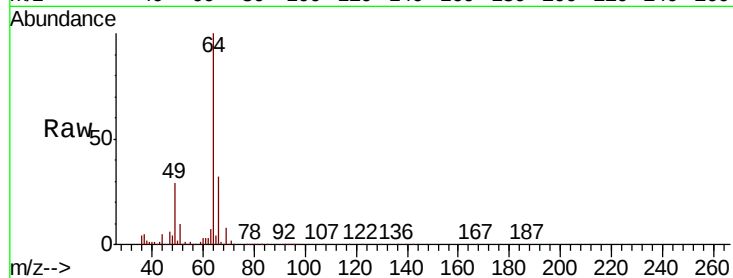




#8
Chloroethane
Concen: 42.670 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

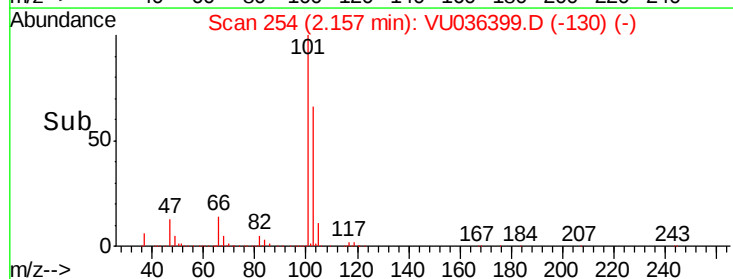
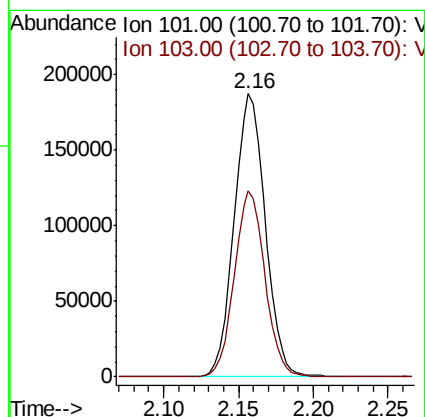
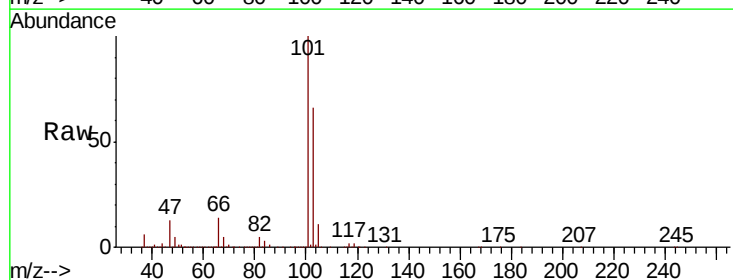
Instrument :
MSVOA_U
ClientSampleId :

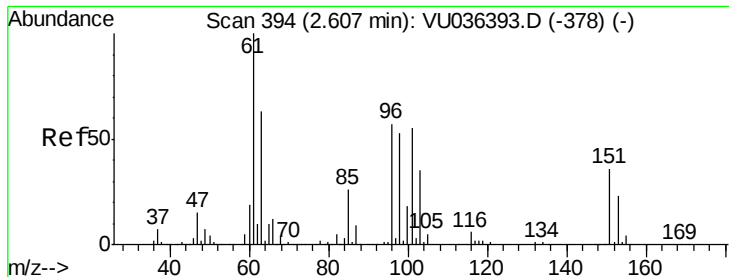
Tot Ion: 64 Resp: 112656
Ion Ratio Lower Upper
64 100
66 32.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 44.053 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Tgt Ion: 101 Resp: 271766
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4





#10

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

Concen: 48.249 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

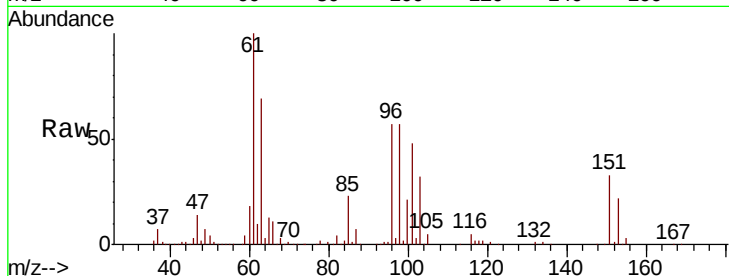
Tot Ion:101 Resp: 147348

Ion Ratio Lower Upper

101 100

85 47.2 37.1 55.7

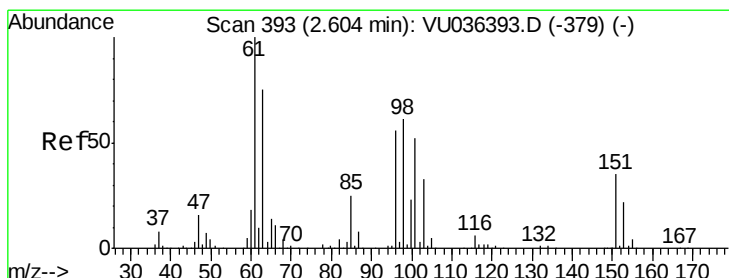
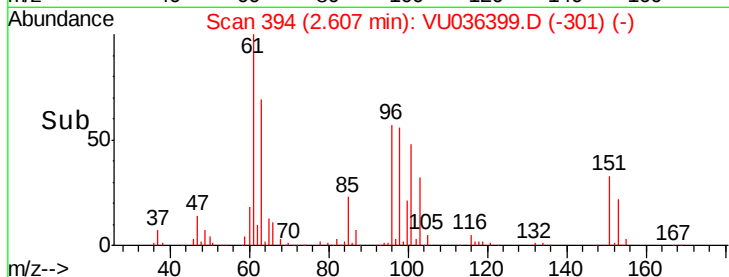
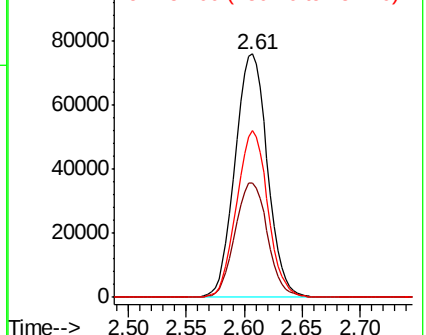
151 66.2 54.3 81.5



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: 48.187 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

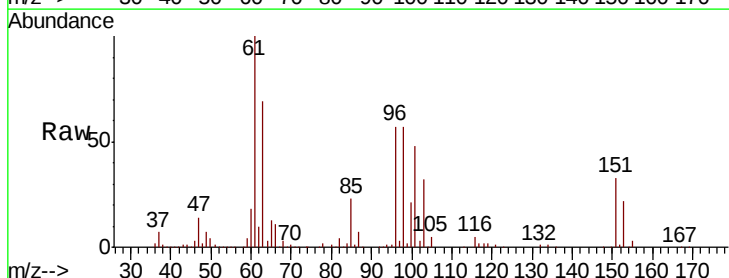
Tgt Ion: 96 Resp: 145064

Ion Ratio Lower Upper

96 100

61 175.5 120.9 224.5

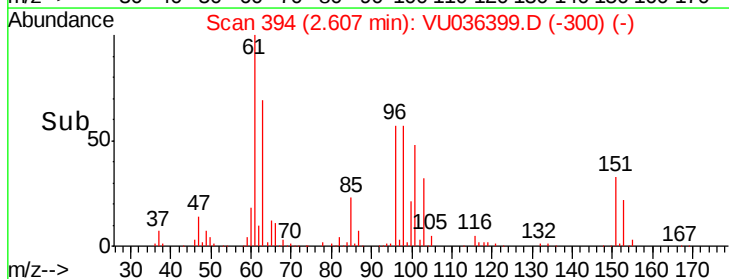
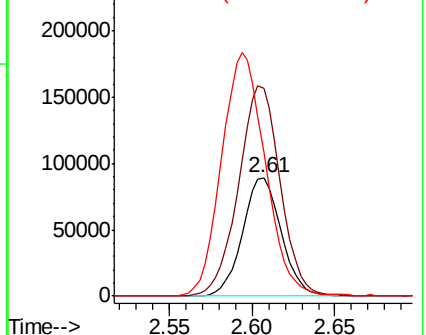
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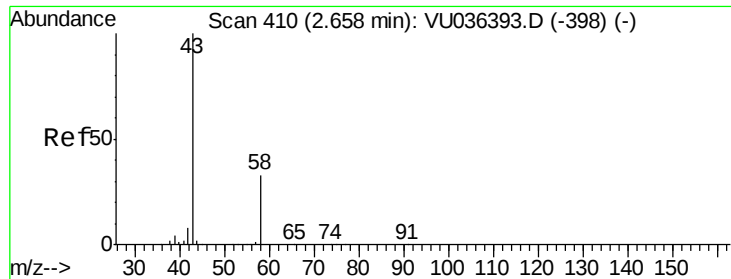


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 61.046 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

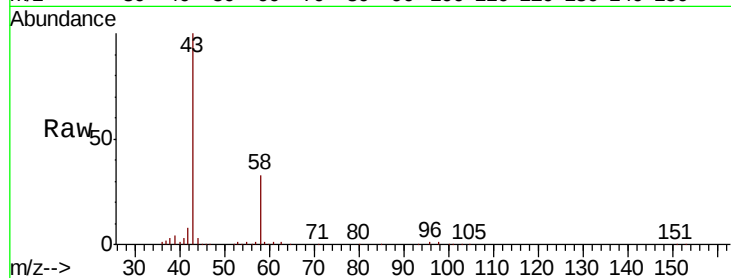
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 191138

Ion Ratio Lower Upper

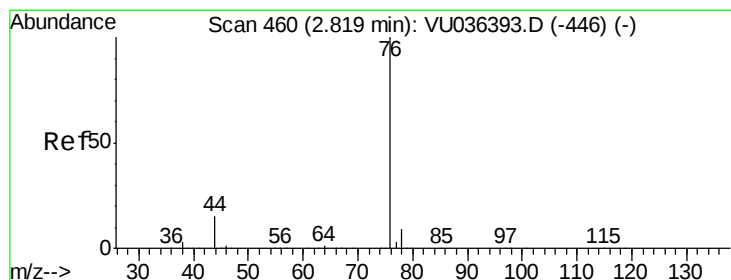
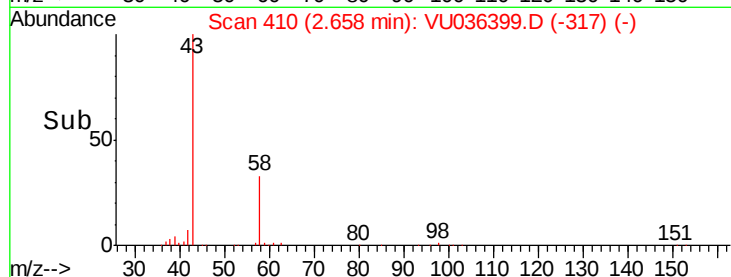
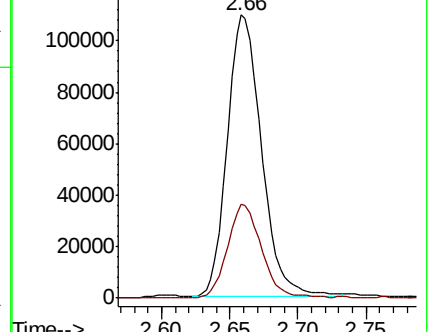
43 100

58 33.3 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036399.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036399.D (-398) (-)



#14

Carbon disulfide

Concen: 41.120 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036399.D

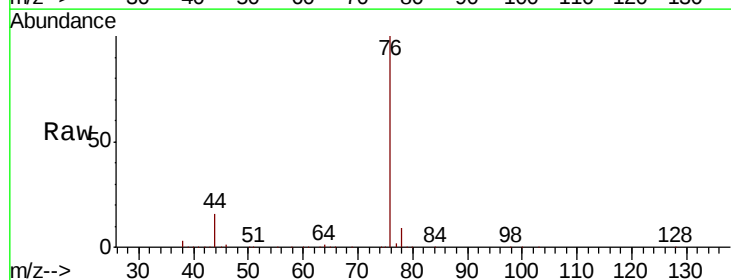
Acq: 07 Jan 2020 17:42

Tgt Ion: 76 Resp: 383070

Ion Ratio Lower Upper

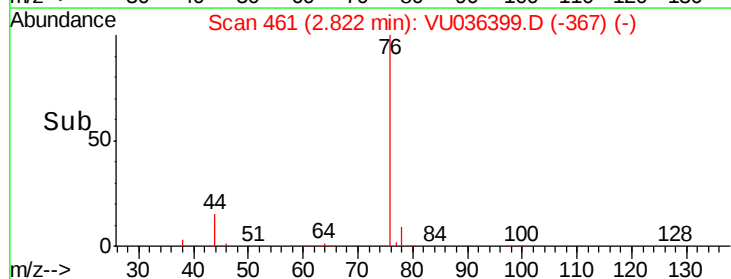
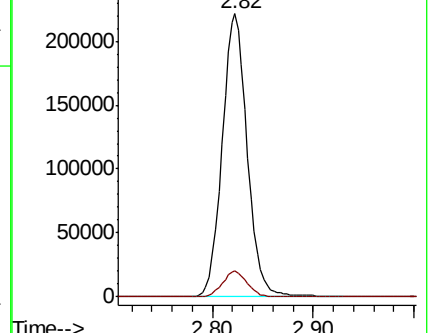
76 100

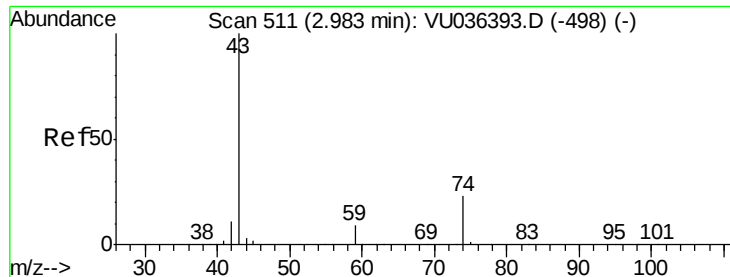
78 9.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU036399.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036399.D (-446) (-)

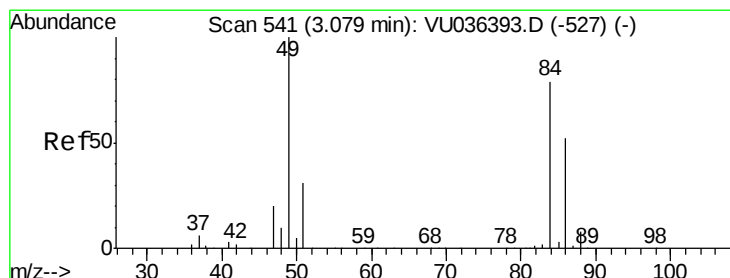
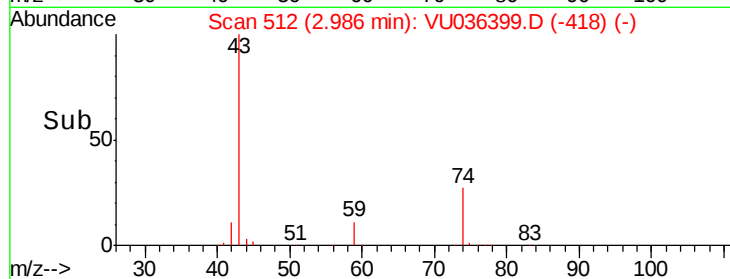
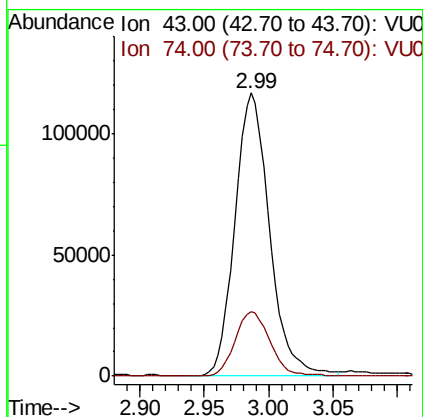
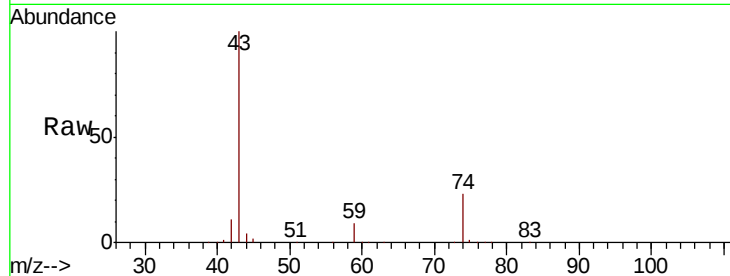




#15
Methvl Acetate
Concen: 51.529 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

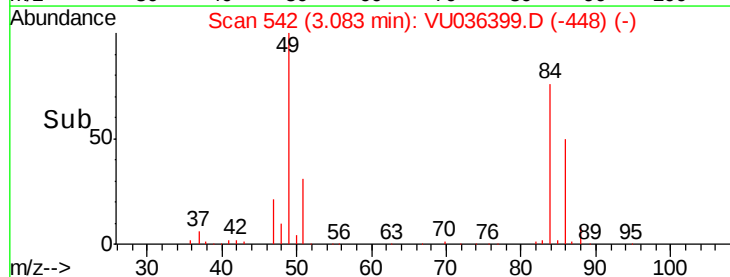
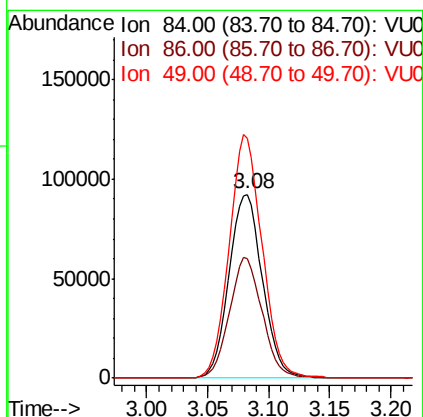
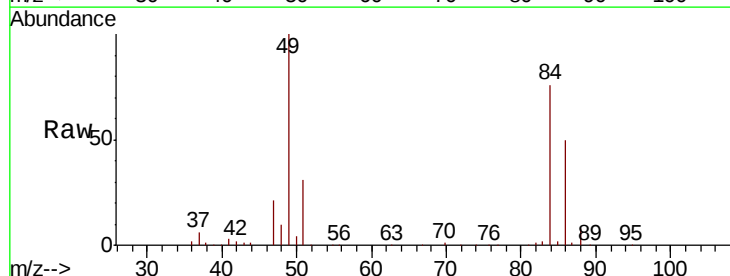
Instrument :
MSVOA_U
ClientSampleId :

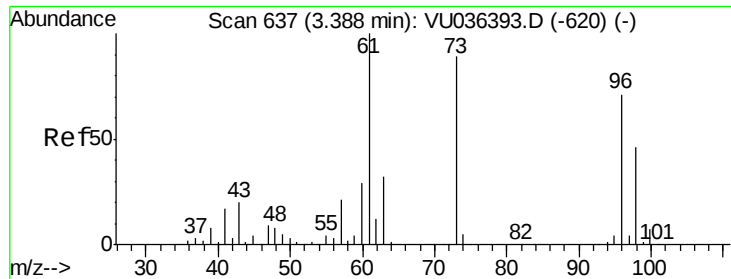
Tot Ion: 43 Resp: 216953
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2



#16
Methylene chloride
Concen: 48.037 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Tgt Ion: 84 Resp: 177024
Ion Ratio Lower Upper
84 100
86 65.0 44.6 82.8
49 130.8 87.6 162.6

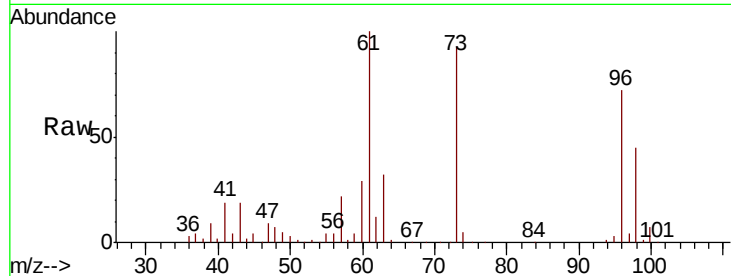




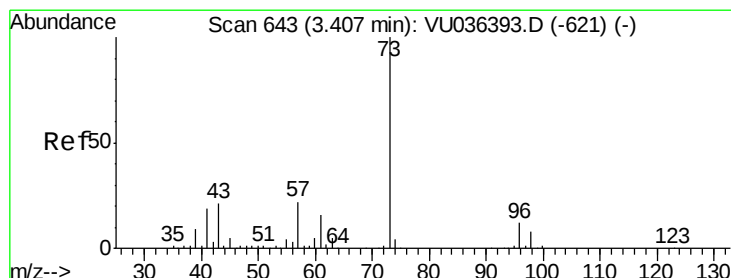
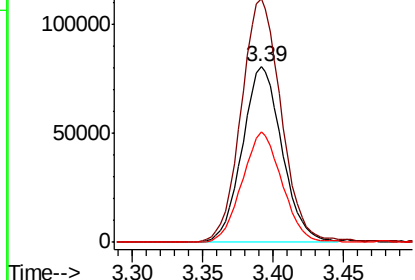
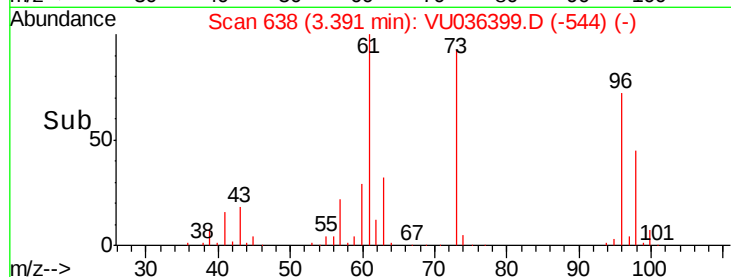
#17
trans-1,2-Dichloroethene
Concen: 48.959 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 159119
Ion Ratio Lower Upper
96 100
61 138.8 96.2 178.8
98 62.8 44.2 82.2

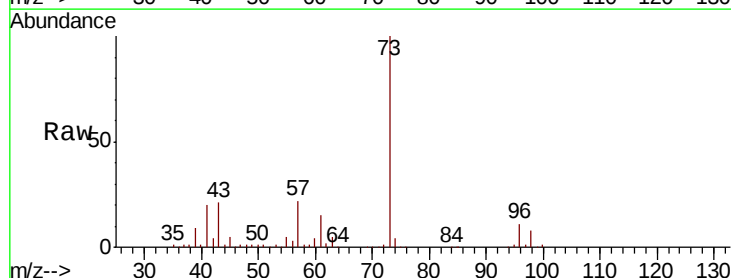


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

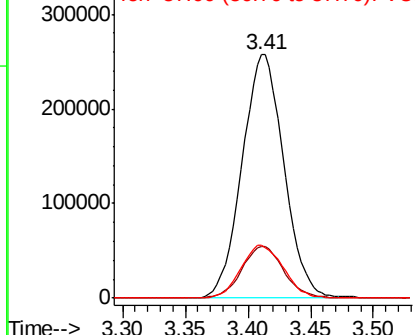
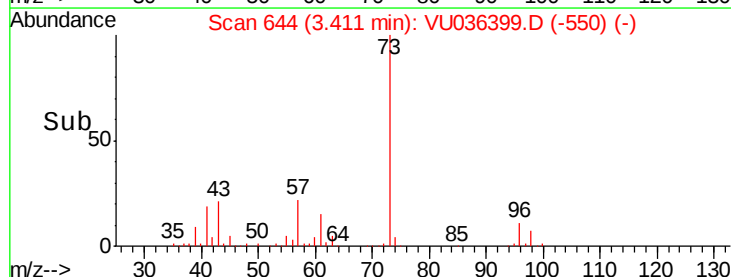


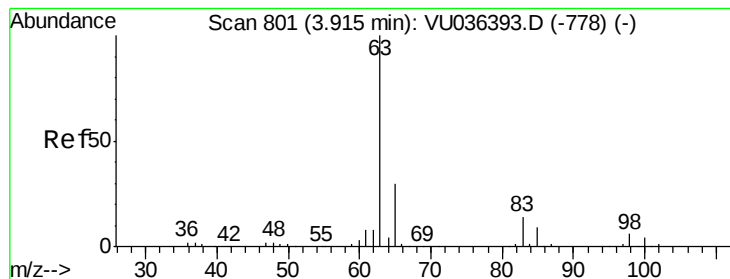
#18
Methyl tert-butyl Ether
Concen: 50.575 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Tgt Ion: 73 Resp: 597112
Ion Ratio Lower Upper
73 100
43 20.9 16.3 24.5
57 22.0 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.666 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

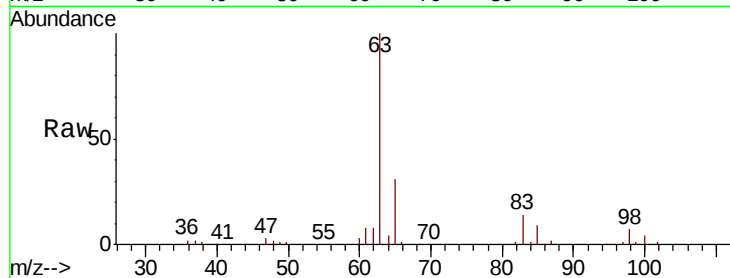
Tot Ion: 63 Resp: 323556

Ion Ratio Lower Upper

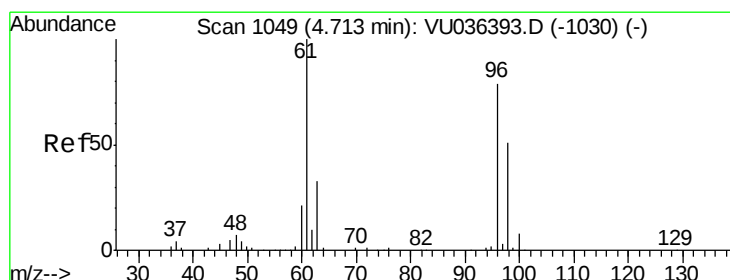
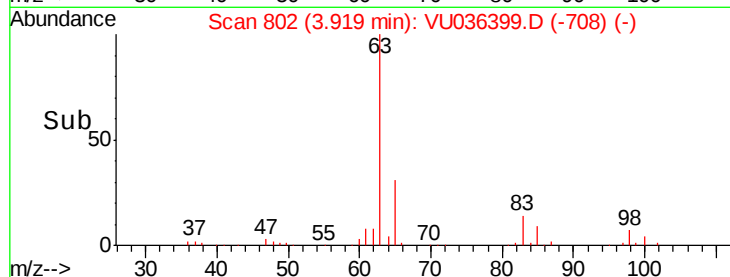
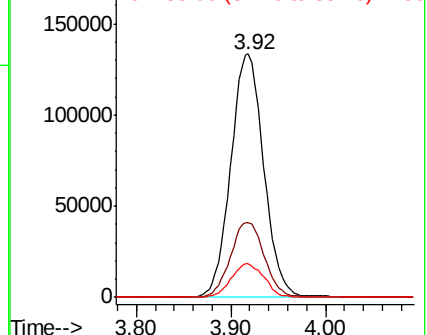
63 100

65 30.9 20.0 37.2

83 13.8 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: 48.567 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

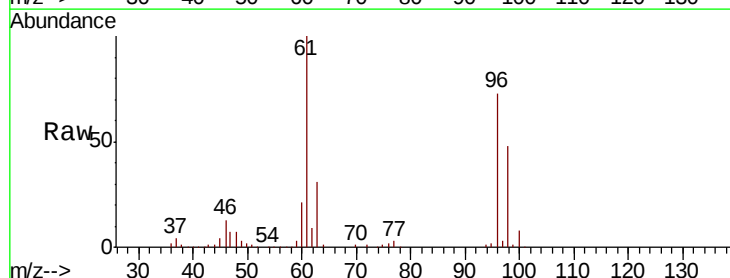
Tgt Ion: 96 Resp: 190923

Ion Ratio Lower Upper

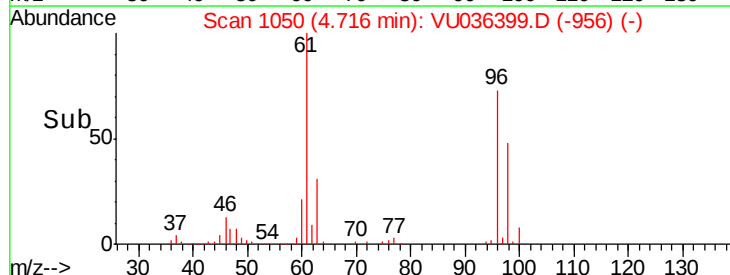
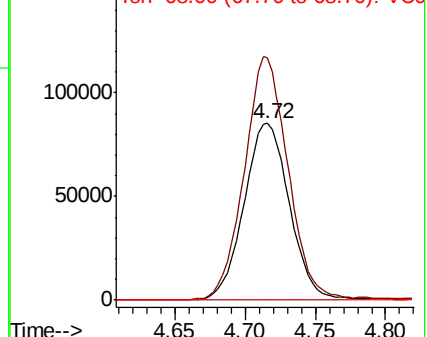
96 100

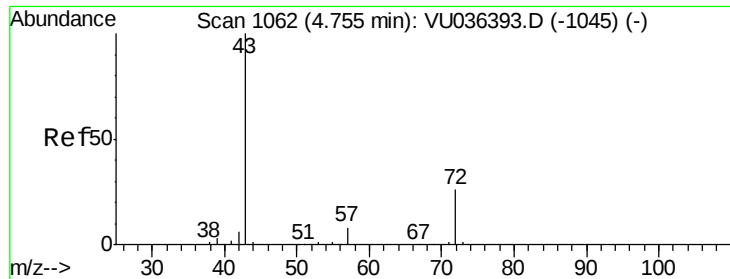
61 137.6 85.1 158.1

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: 88.045 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

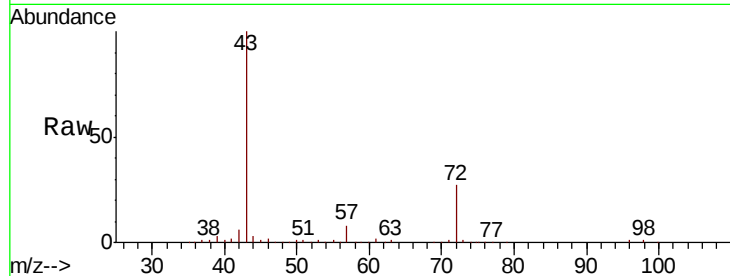
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 325662

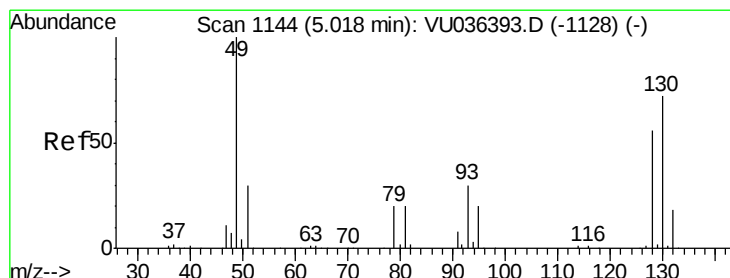
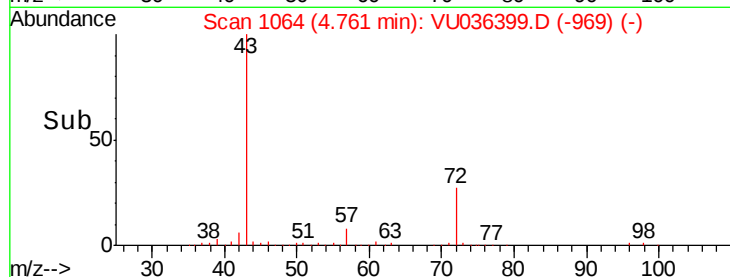
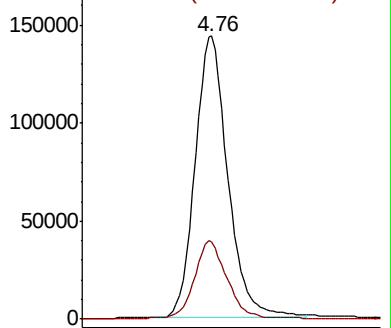
Ion Ratio Lower Upper

43 100

72 28.1 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU036399.D (-1045) (-)



#23

Bromochloromethane

Concen: 49.322 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Tgt Ion:128 Resp: 93077

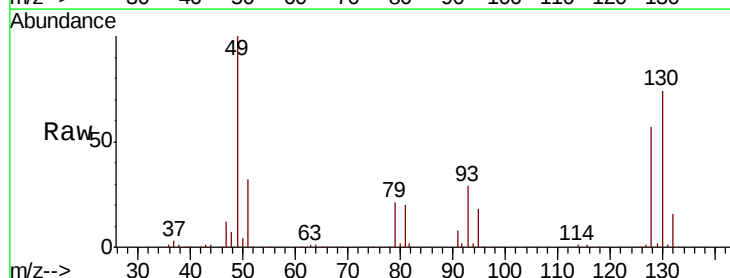
Ion Ratio Lower Upper

128 100

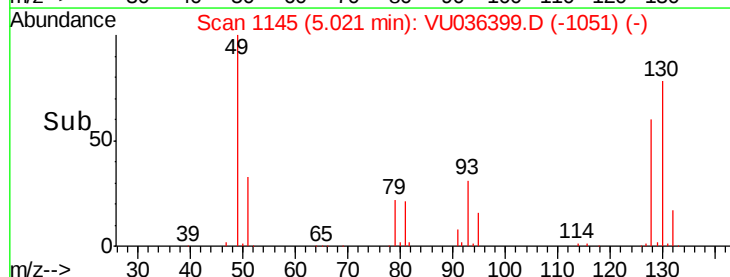
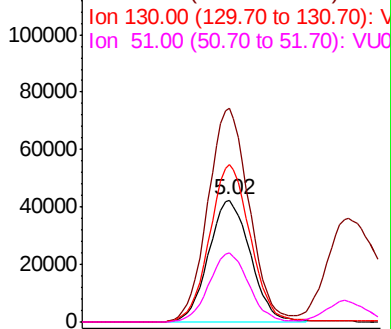
49 175.3 115.0 213.6

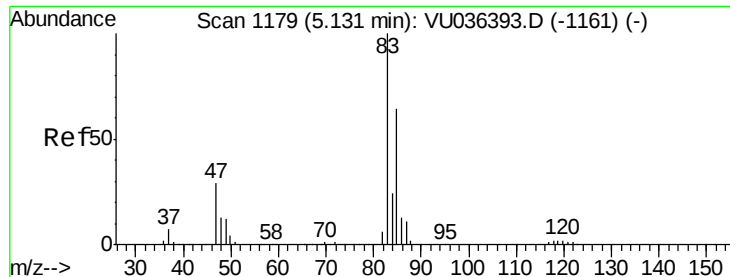
130 129.1 89.1 165.5

51 56.3 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VU036399.D (-1051) (-)

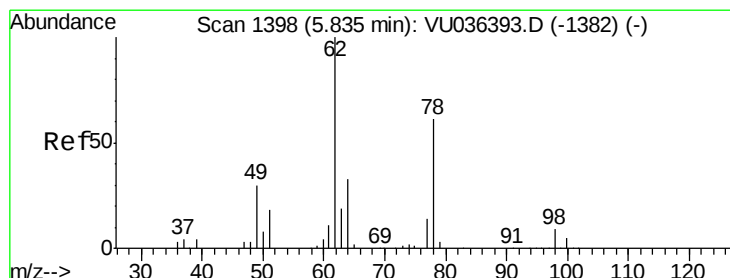
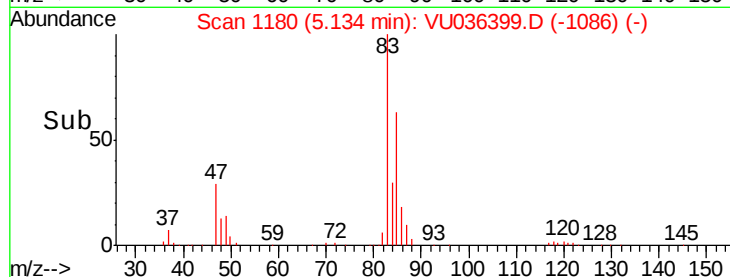
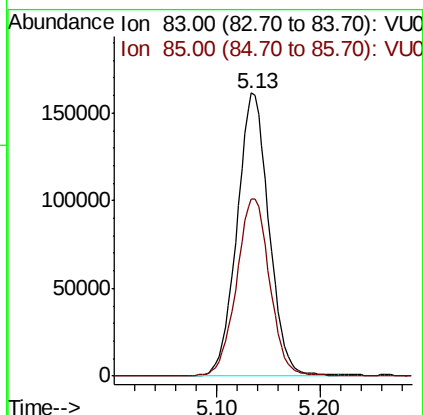
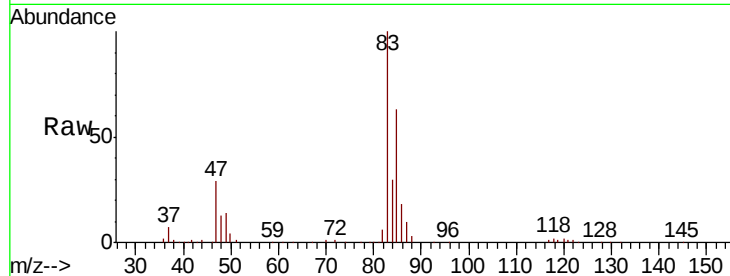




#25
Chloroform
Concen: 50.109 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

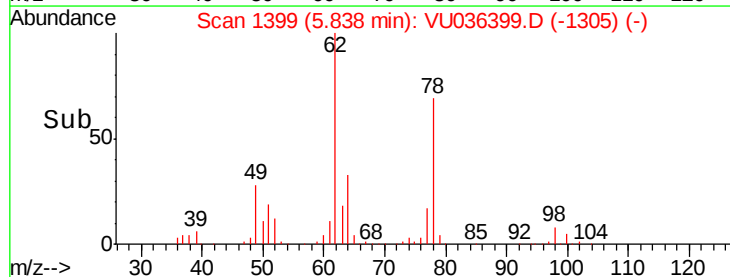
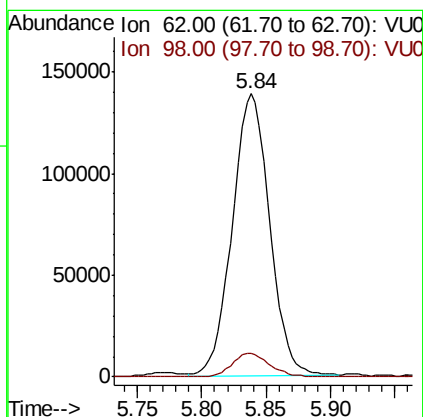
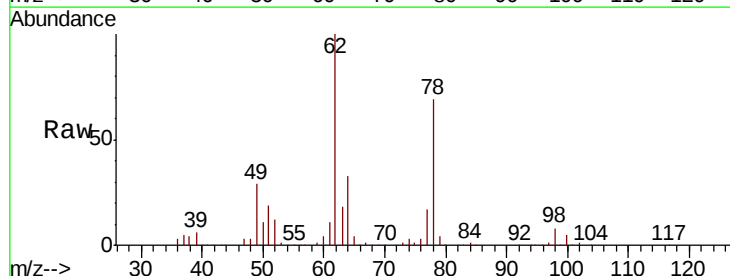
Instrument :
MSVOA_U
ClientSampleId :

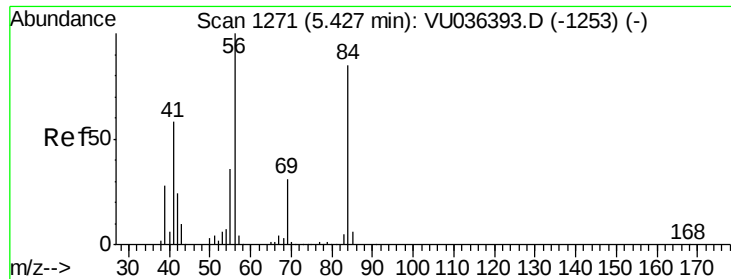
Tot Ion: 83 Resp: 347823
Ion Ratio Lower Upper
83 100
85 62.8 43.9 81.5



#27
1,2-Dichloroethane
Concen: 51.900 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Tgt Ion: 62 Resp: 278481
Ion Ratio Lower Upper
62 100
98 8.2 7.3 10.9

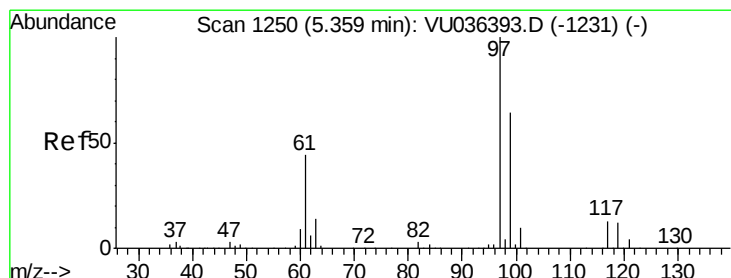
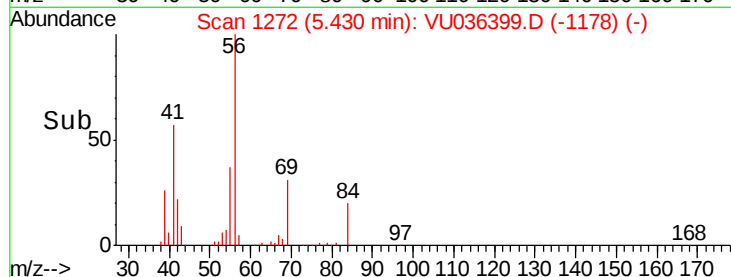
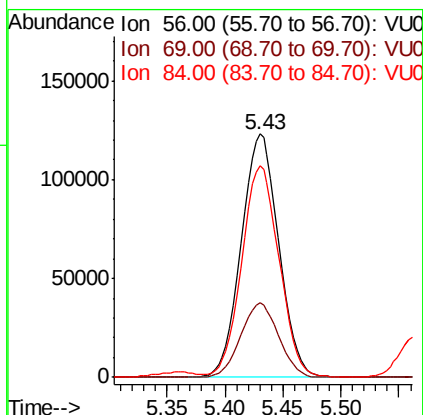
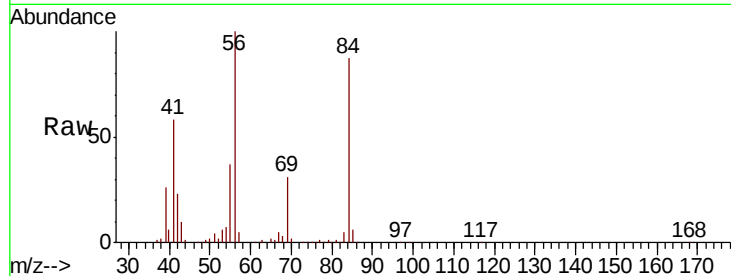




#29
Cyclohexane
Concen: 47.657 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

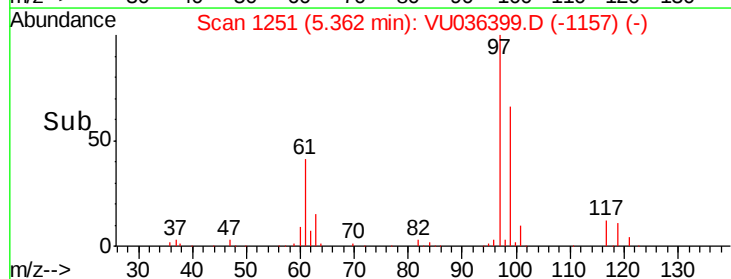
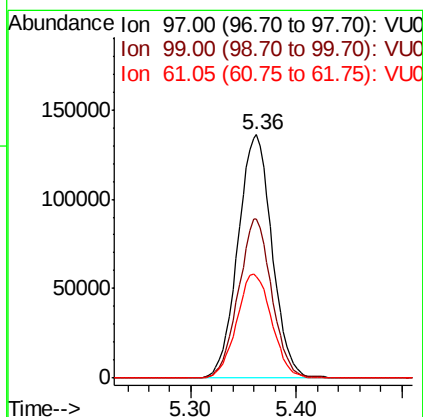
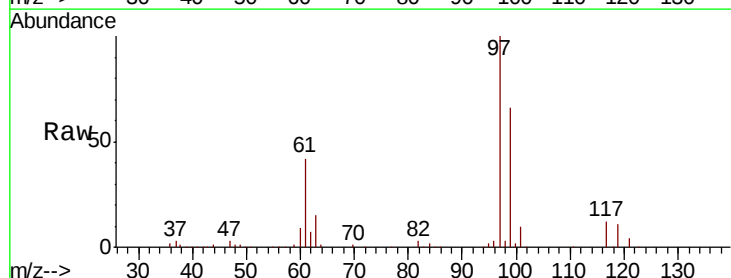
Instrument :
MSVOA_U
ClientSampleId :

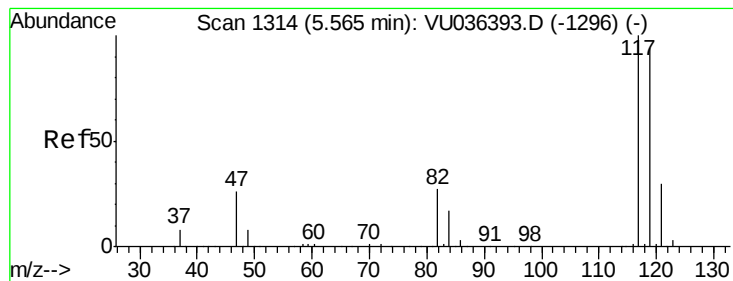
Tot Ion: 56 Resp: 276255
Ion Ratio Lower Upper
56 100
69 30.9 24.8 37.2
84 86.7 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 49.812 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Tgt Ion: 97 Resp: 305437
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 44.1 34.7 52.1





#31

Carbon tetrachloride

Concen: 48.246 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

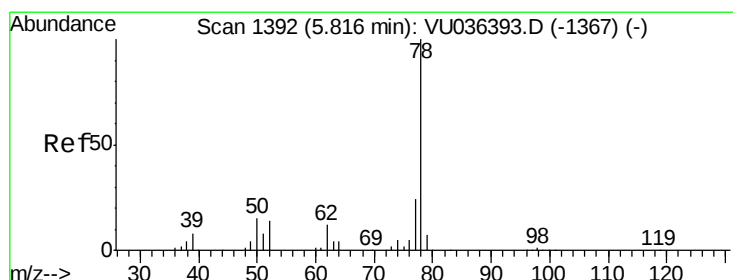
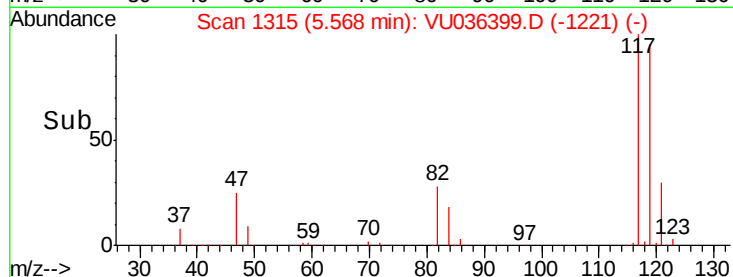
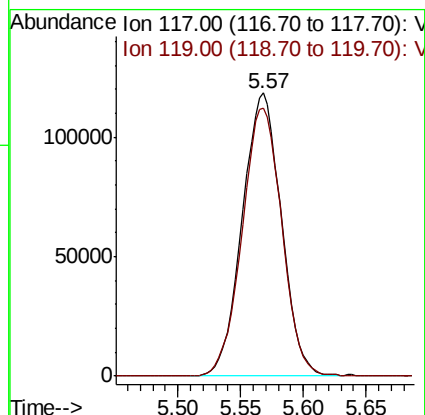
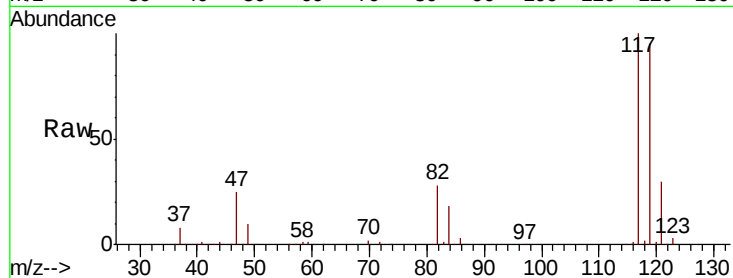
ClientSampleId :

Tot Ion:117 Resp: 256440

Ion Ratio Lower Upper

117 100

119 96.1 76.0 114.0



#33

Benzene

Concen: 49.386 ug/L

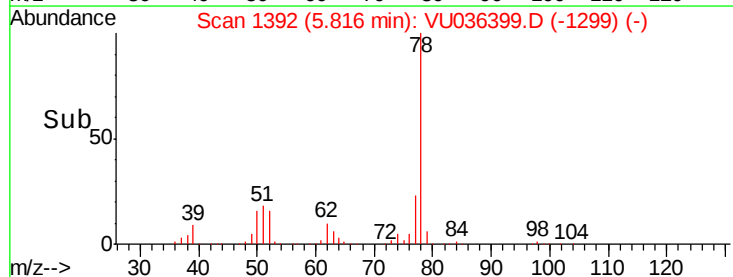
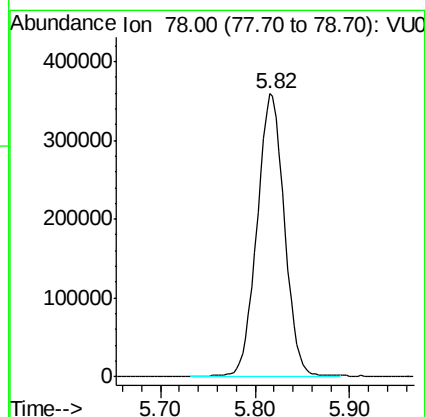
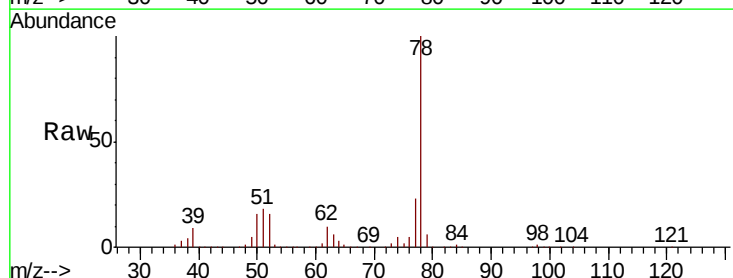
RT: 5.82 min Scan# 1392

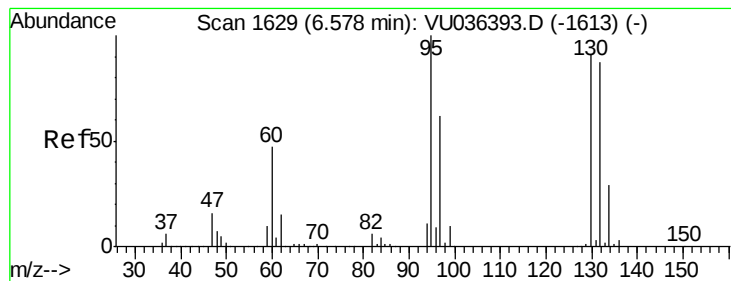
Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Tgt Ion: 78 Resp: 725802





#34

Trichloroethene

Concen: 49.429 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 187281

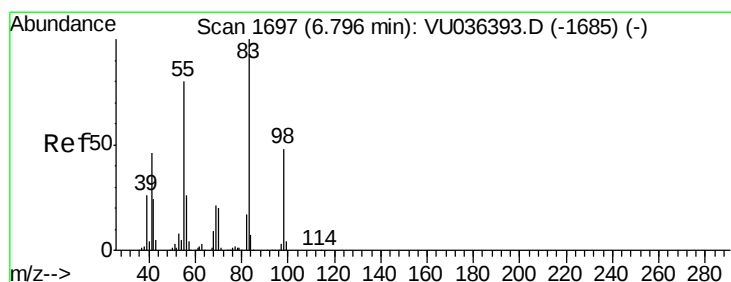
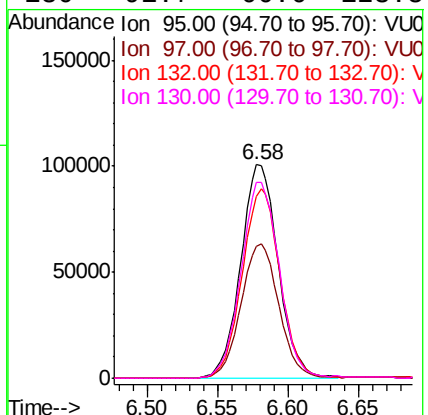
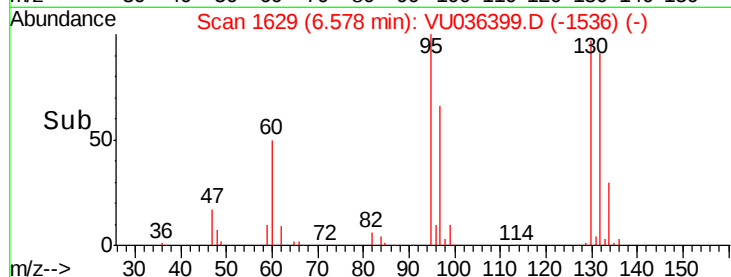
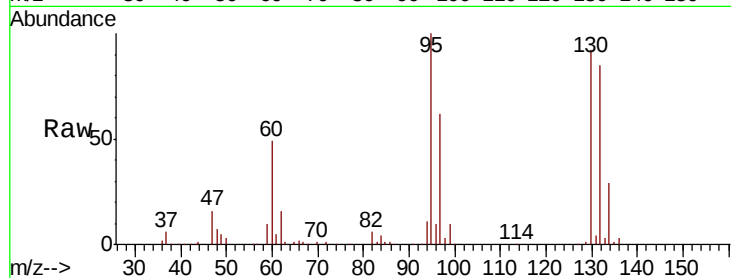
Ion Ratio Lower Upper

95 100

97 61.9 44.5 82.7

132 85.3 64.5 119.9

130 91.7 66.6 123.8



#35

Methylcyclohexane

Concen: 46.342 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

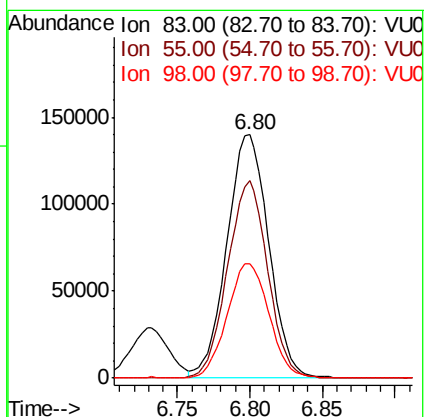
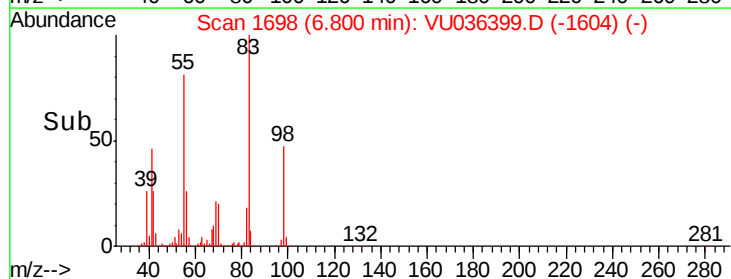
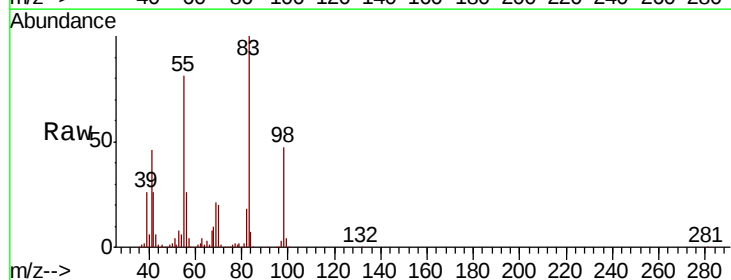
Tgt Ion: 83 Resp: 280257

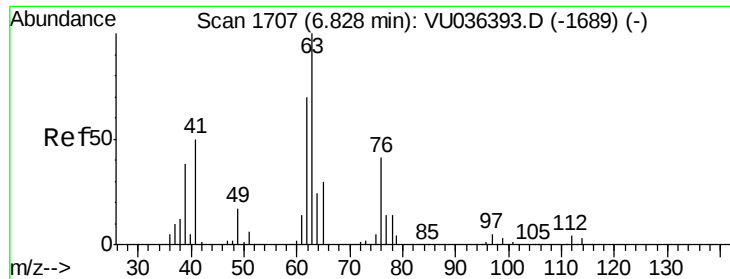
Ion Ratio Lower Upper

83 100

55 77.5 60.0 90.0

98 47.2 36.2 54.4





#37

1,2-Dichloropropane

Concen: 49.813 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

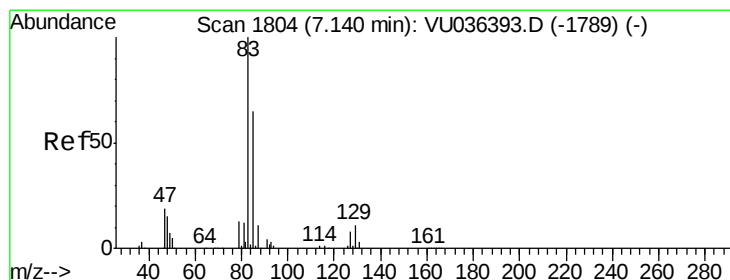
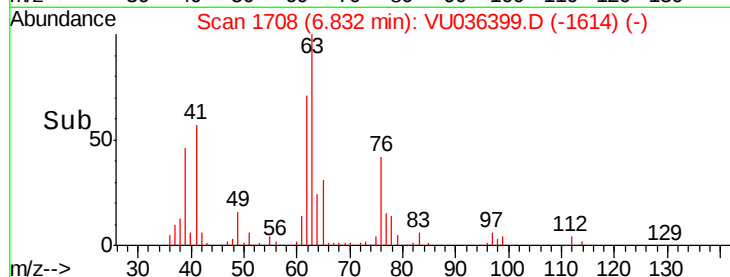
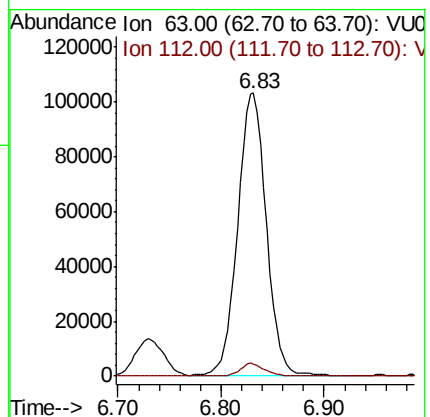
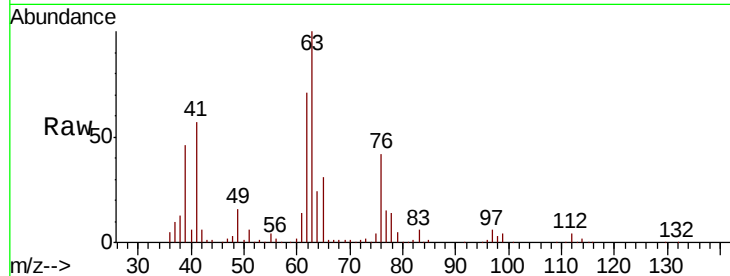
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 198238

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



#38

Bromodichloromethane

Concen: 49.556 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

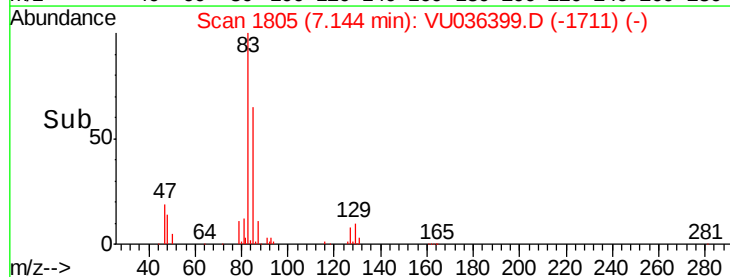
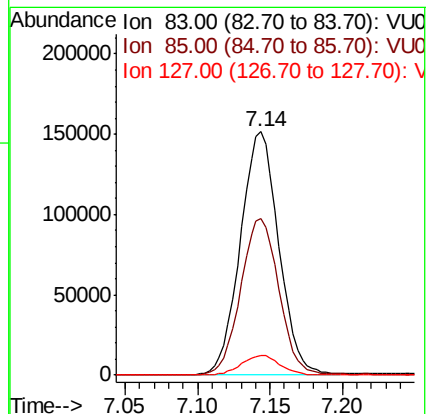
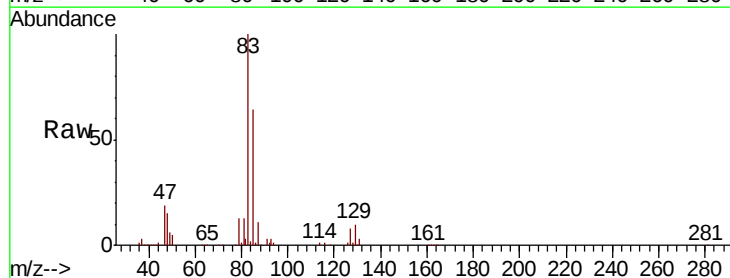
Tgt Ion: 83 Resp: 278224

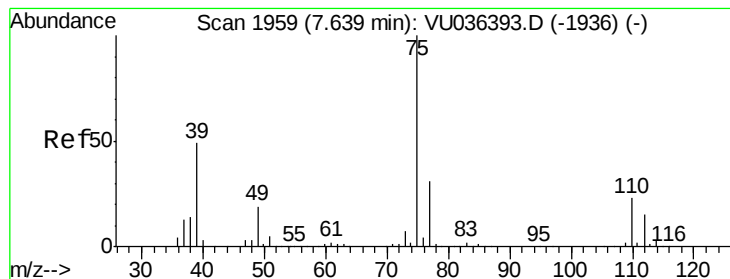
Ion Ratio Lower Upper

83 100

85 64.1 45.3 84.1

127 7.8 6.8 10.2



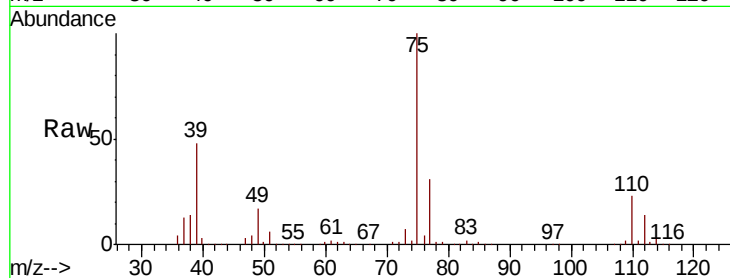


#39

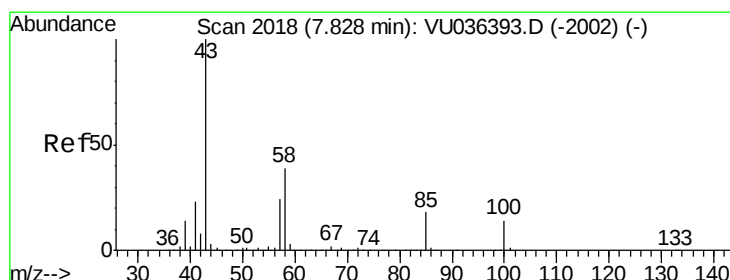
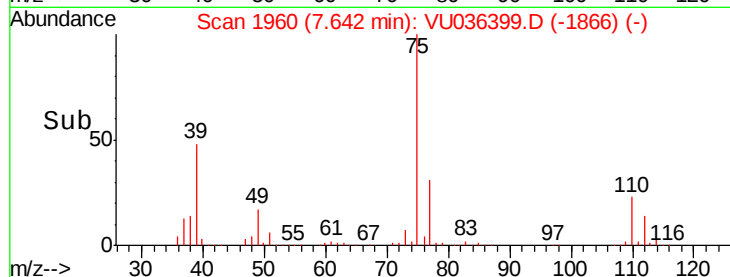
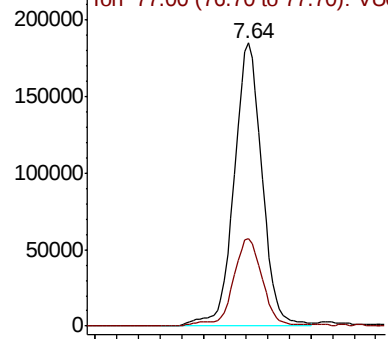
cis-1,3-Dichloropropene
 Concen: 49.981 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 332982
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2



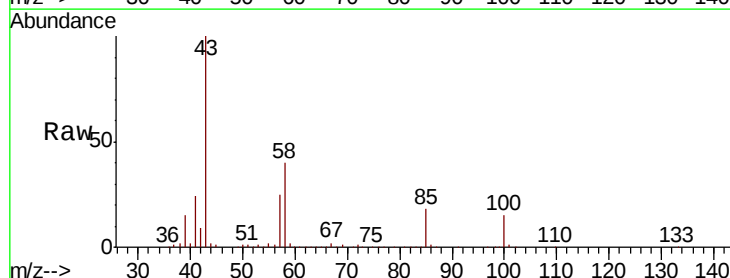
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0



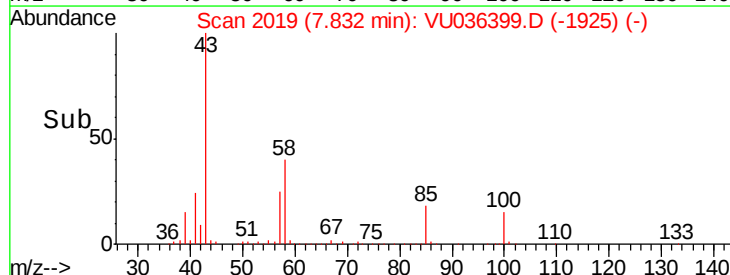
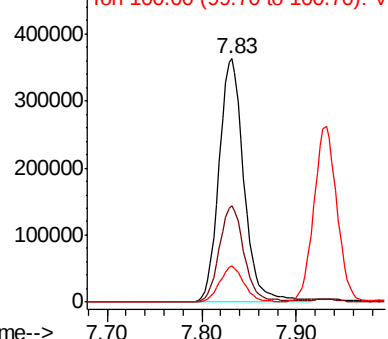
#40

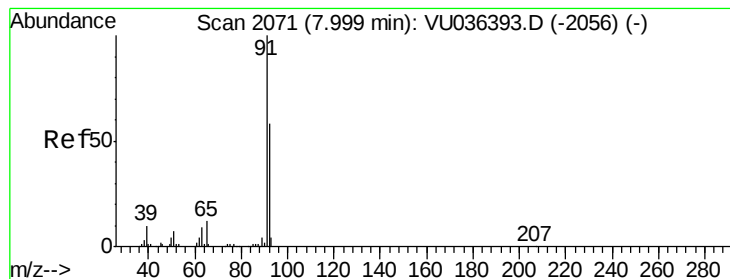
4-Methyl-2-pentanone
 Concen: 98.094 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

Tgt Ion: 43 Resp: 663370
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.6 47.4
 100 14.4 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 49.303 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

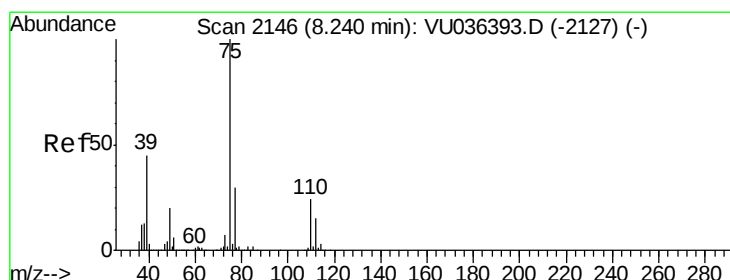
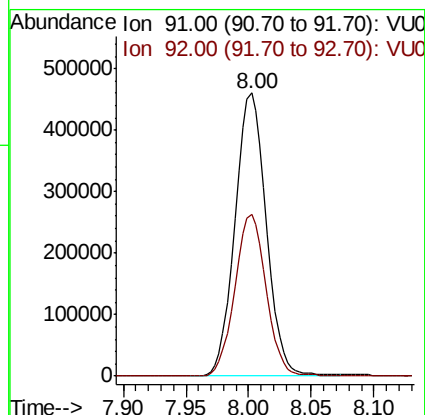
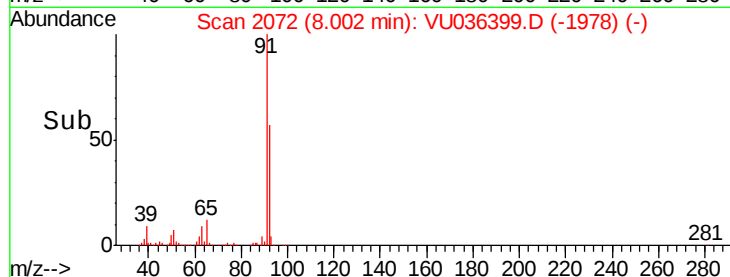
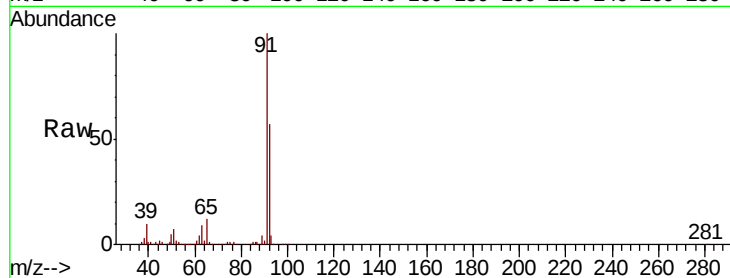
ClientSampled :

Tot Ion: 91 Resp: 797880

Ion Ratio Lower Upper

91 100

92 57.2 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 48.660 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036399.D

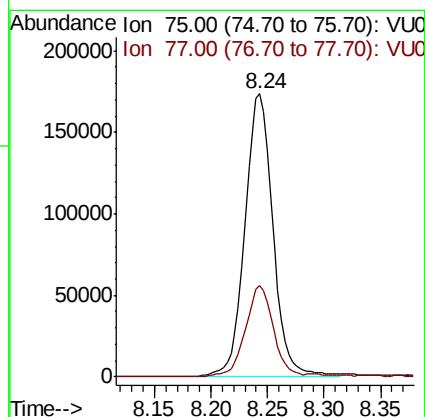
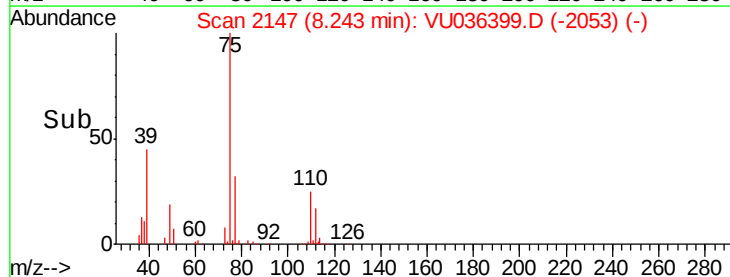
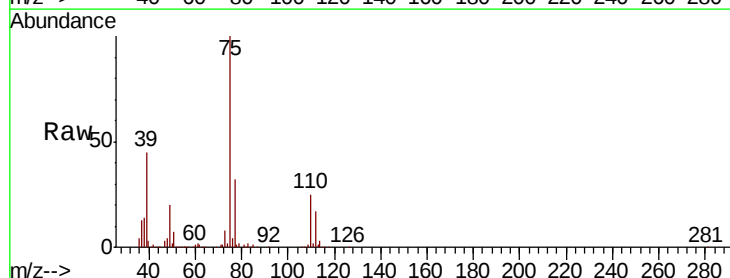
Acq: 07 Jan 2020 17:42

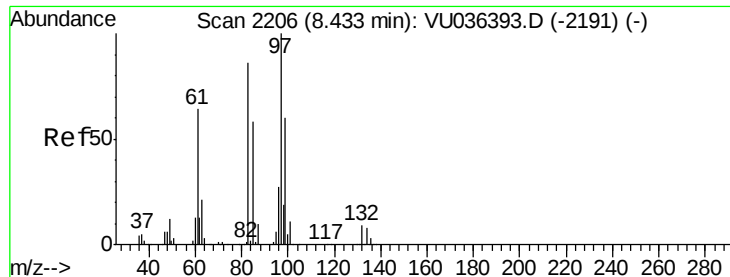
Tgt Ion: 75 Resp: 302008

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.9

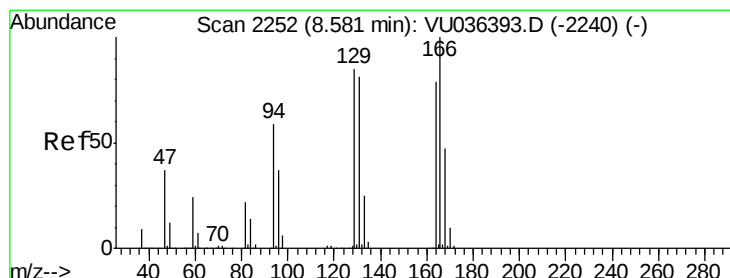
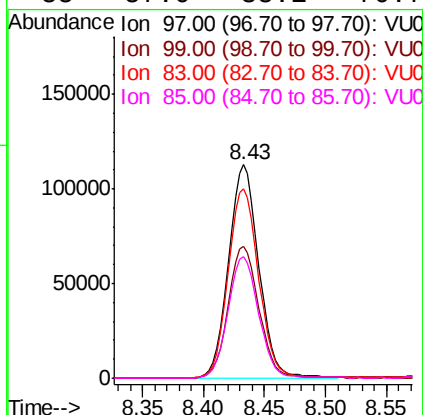
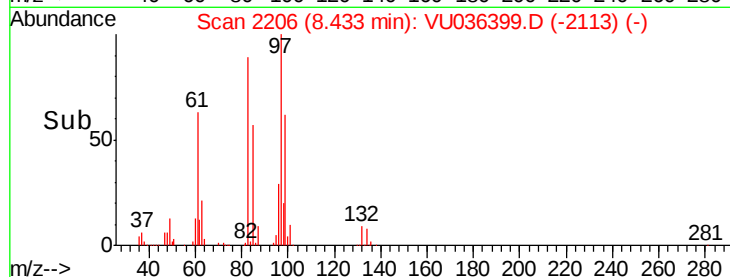
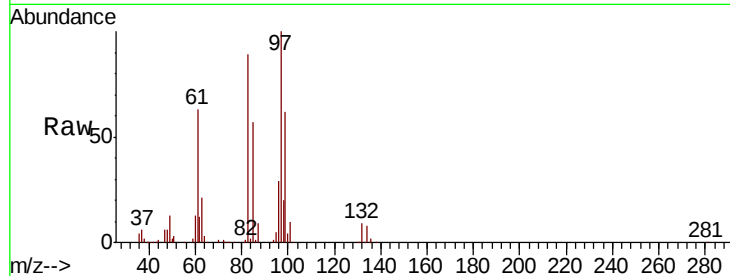




#45
 1,1,2-Trichloroethane
 Concen: 52.657 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

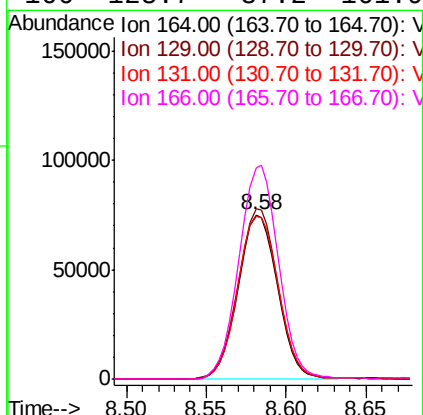
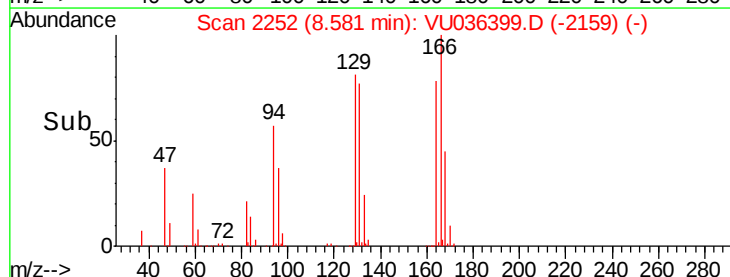
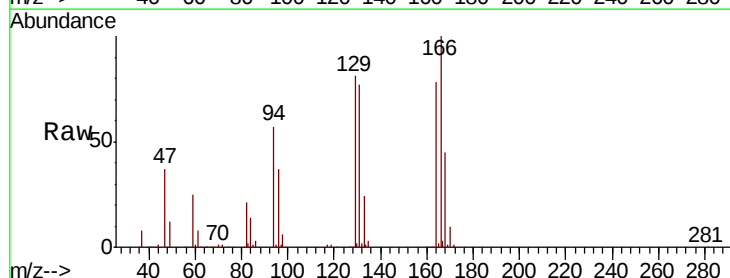
Instrument :
 MSVOA_U
 ClientSampleId :

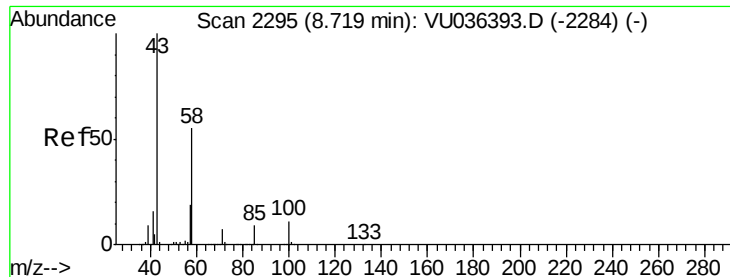
Tot Ion:	97	Resp:	195504
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.2	82.2
83	88.9	62.5	116.1
85	57.0	38.1	70.7



#46
 Tetrachloroethene
 Concen: 46.533 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

Tgt Ion:	164	Resp:	126853
Ion	Ratio	Lower	Upper
164	100		
129	103.7	70.0	130.0
131	98.5	70.1	130.1
166	128.7	87.2	161.9

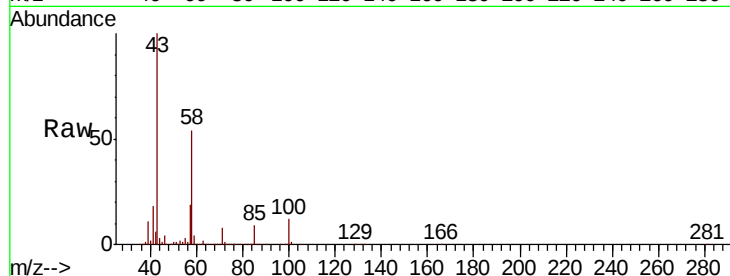




#48
2-Hexanone
Concen: 100.559 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	42.2	63.4
57	18.6	14.8	22.2
100	10.7	8.8	13.2



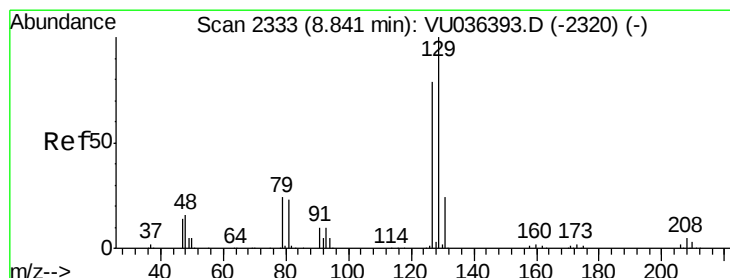
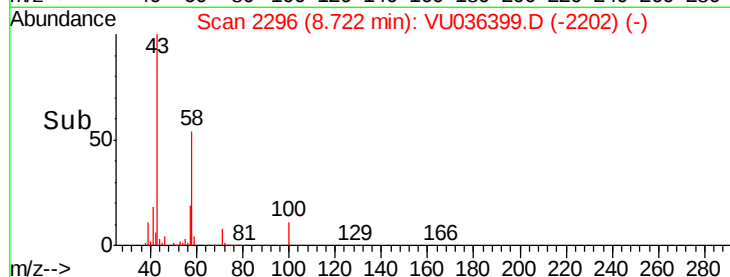
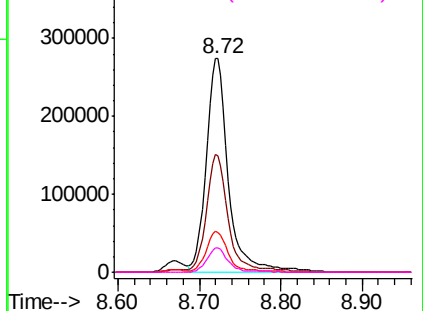
Abundance

Ion 43.00 (42.70 to 43.70): VU036399.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VU036399.D (-2296) (-)

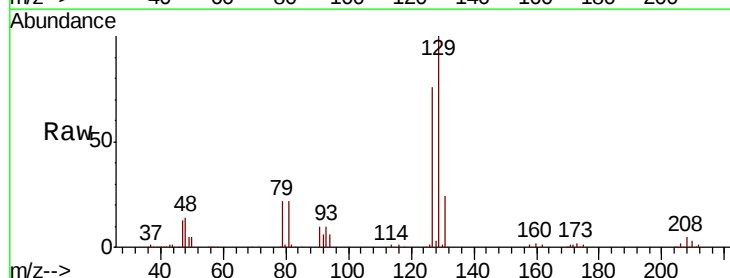
Ion 57.00 (56.70 to 57.70): VU036399.D (-2297) (-)

Ion 100.00 (99.70 to 100.70): VU036399.D (-2298) (-)



#49
Dibromochloromethane
Concen: 48.943 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

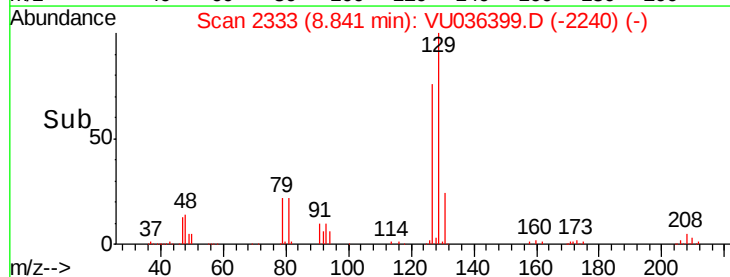
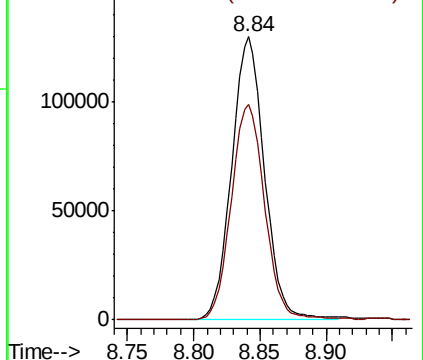
Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.8	101.8

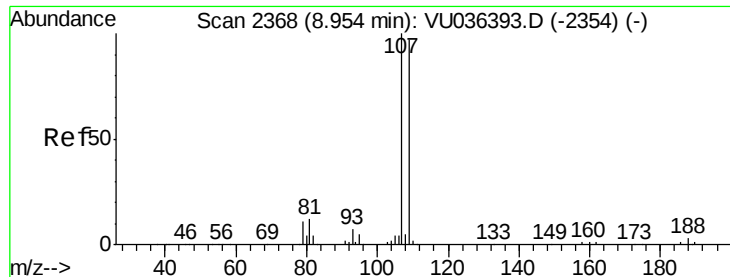


Abundance

Ion 129.00 (128.70 to 129.70): VU036399.D (-2333) (-)

Ion 127.00 (126.70 to 127.70): VU036399.D (-2334) (-)

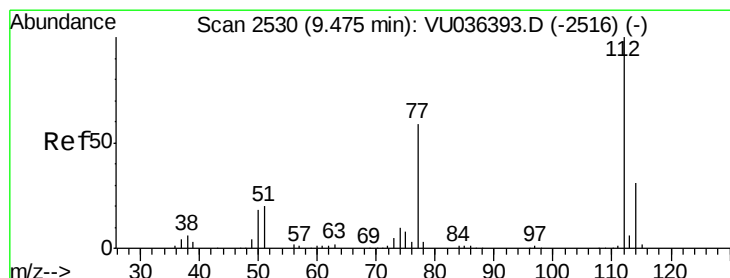
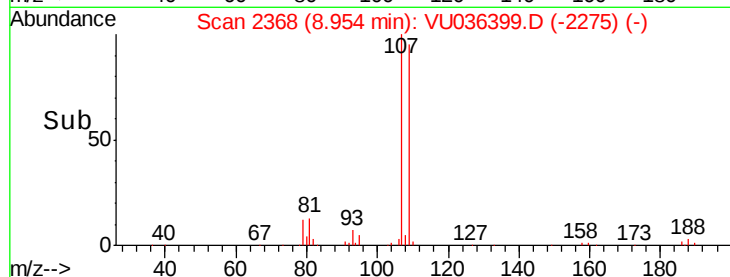
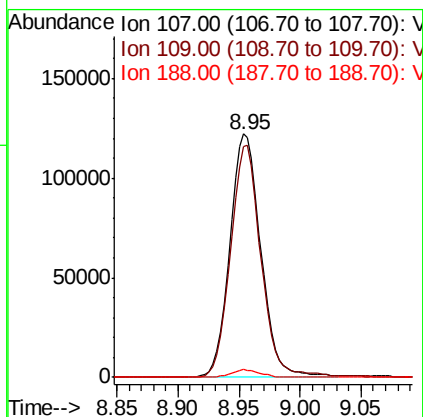
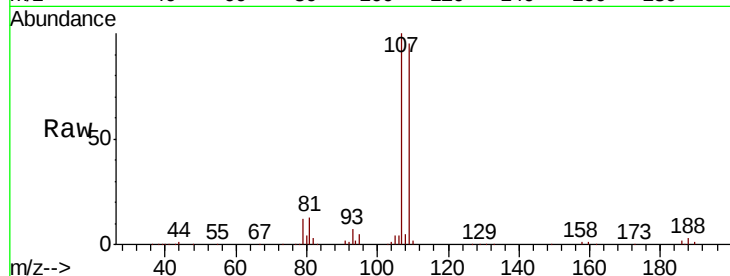




#50
1,2-Dibromoethane
Concen: 50.147 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

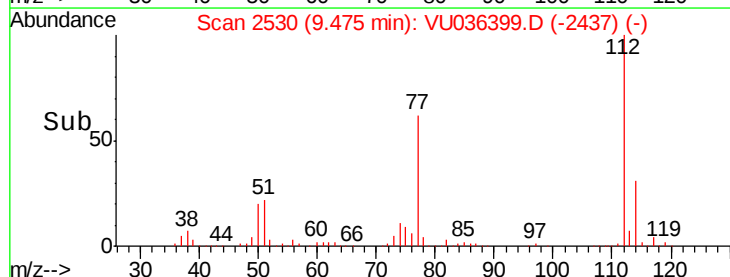
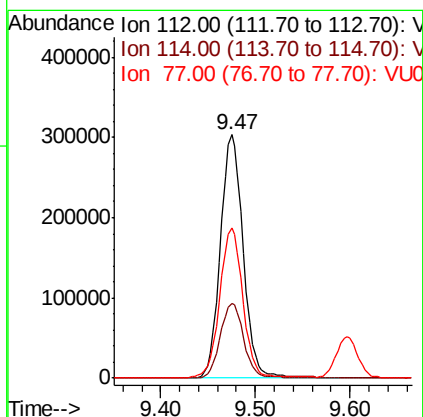
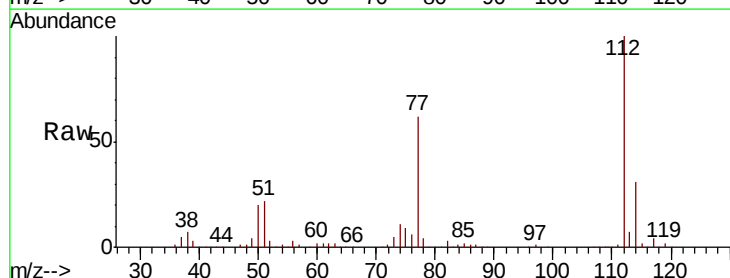
Instrument :
MSVOA_U
ClientSampleId :

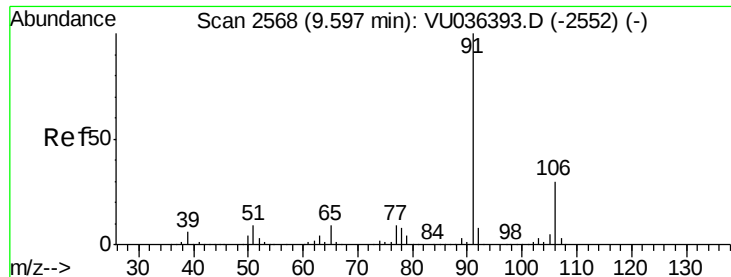
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	67.3	124.9
188	3.2	2.6	3.8



#51
Chlorobenzene
Concen: 49.790 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.5	41.7
77	61.7	48.7	73.1

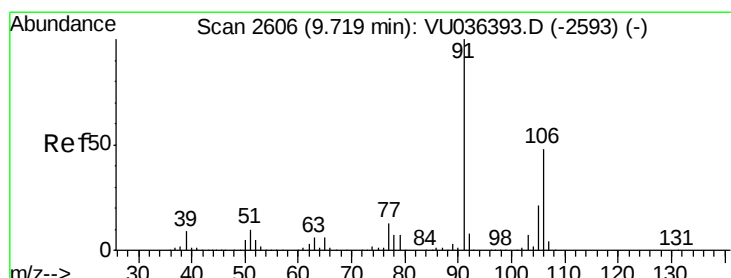
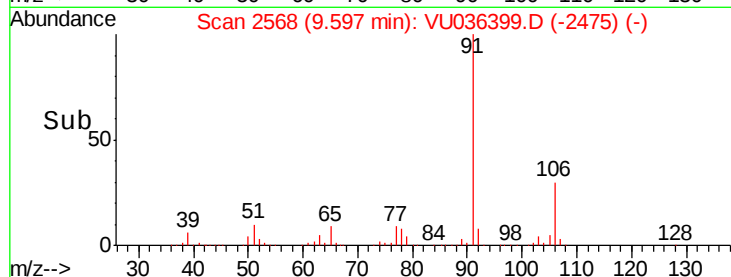
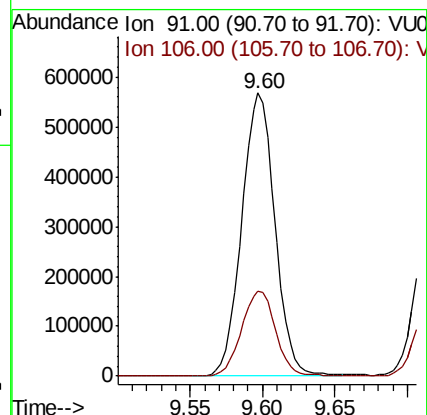
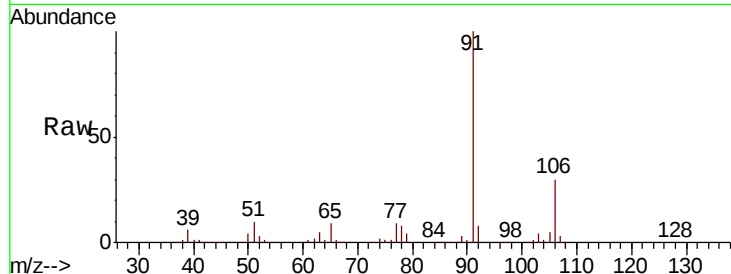




#52
Ethylbenzene
Concen: 49.009 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

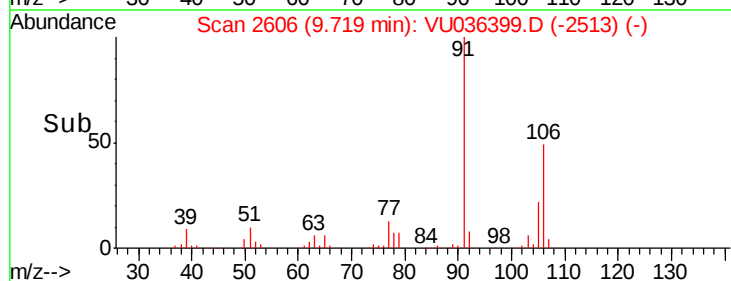
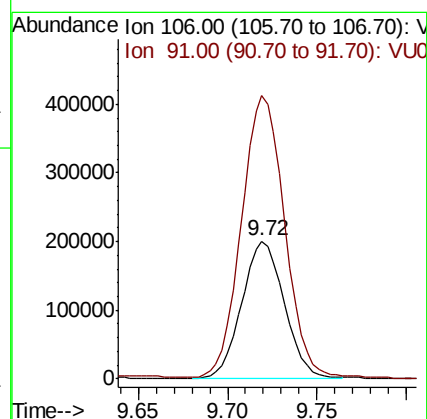
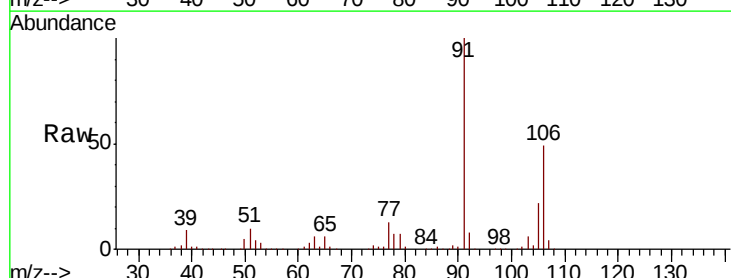
Instrument :
MSVOA_U
ClientSampleId :

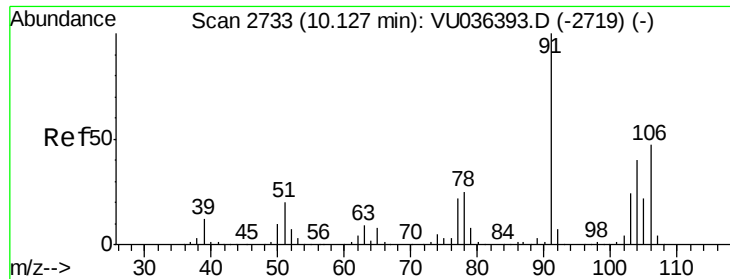
Tot Ion: 91 Resp: 902705
Ion Ratio Lower Upper
91 100
106 30.2 22.0 40.8



#53
m,p-Xylene
Concen: 48.486 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036399.D
Acq: 07 Jan 2020 17:42

Tgt Ion: 106 Resp: 331282
Ion Ratio Lower Upper
106 100
91 205.6 146.8 272.6





#54

o-xylene

Concen: 47.944 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

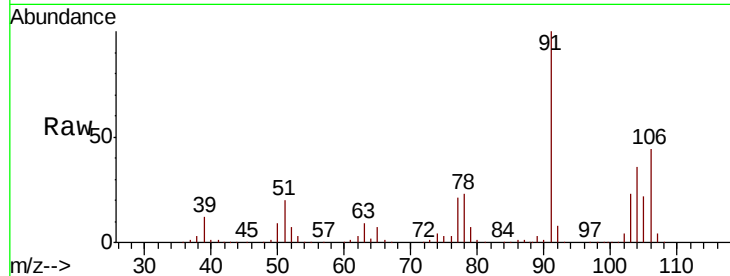
ClientSampled :

Tot Ion:106 Resp: 328686

Ion Ratio Lower Upper

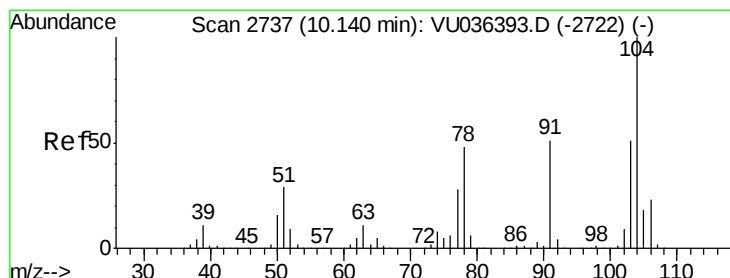
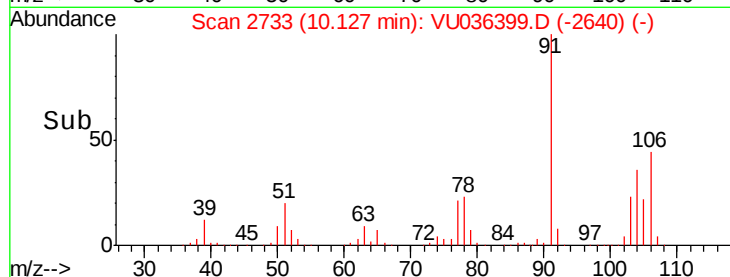
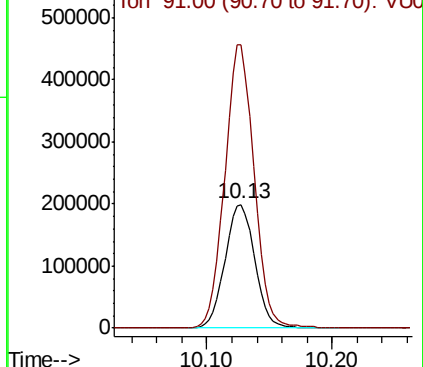
106 100

91 229.1 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.141 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036399.D

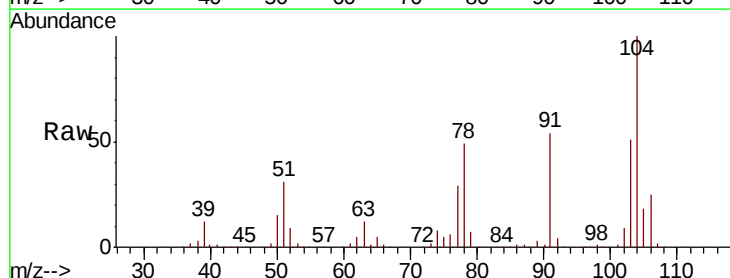
Acq: 07 Jan 2020 17:42

Tgt Ion:104 Resp: 558032

Ion Ratio Lower Upper

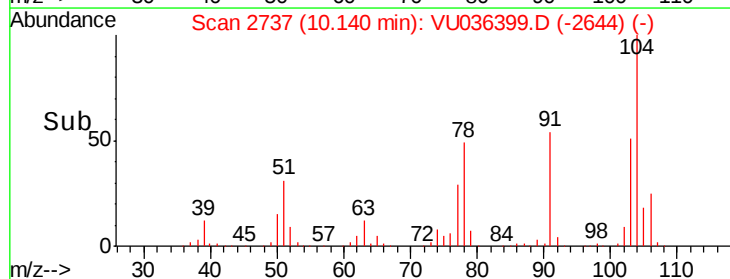
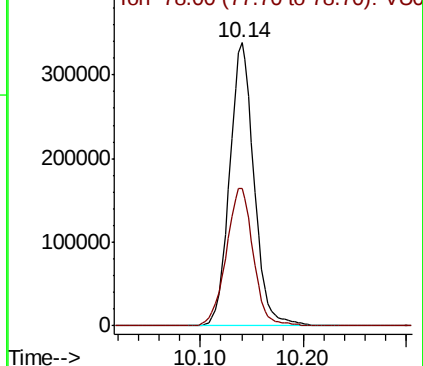
104 100

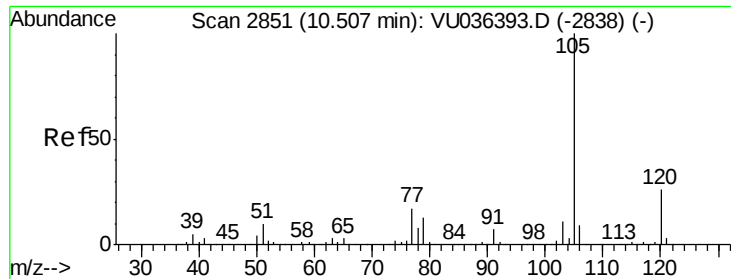
78 48.7 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.021 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

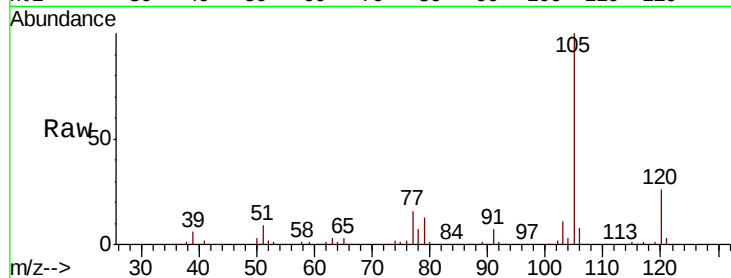
Tot Ion:105 Resp: 875923

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

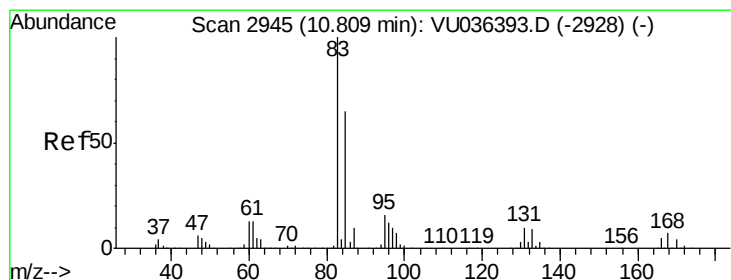
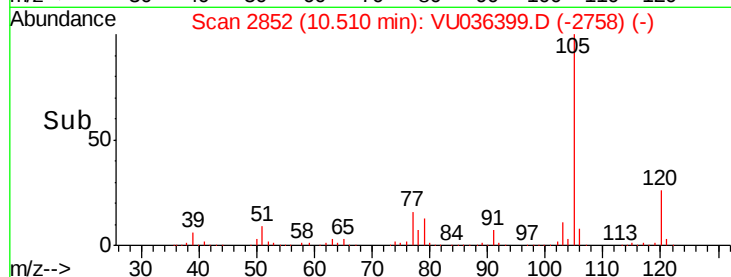
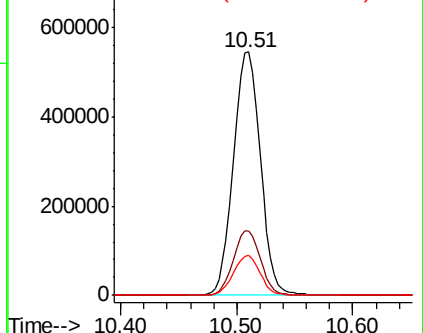
77 16.1 13.3 19.9



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: 50.493 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

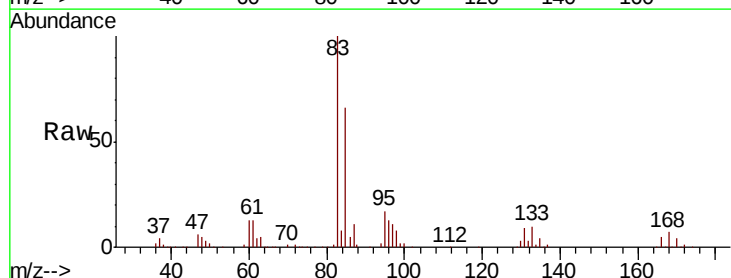
Tgt Ion: 83 Resp: 354361

Ion Ratio Lower Upper

83 100

85 66.1 45.3 84.1

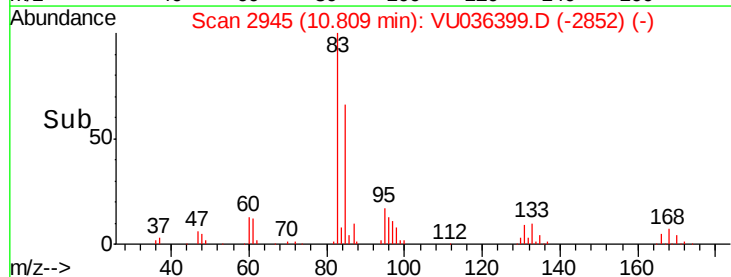
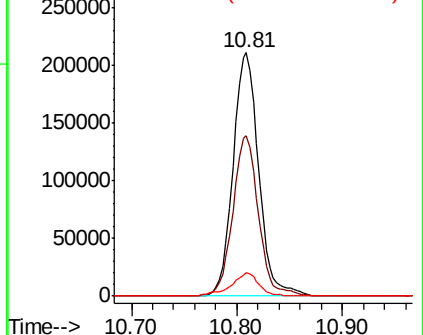
131 9.4 7.5 11.3

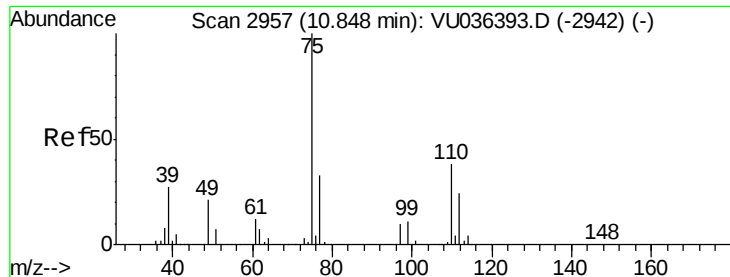


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.587 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

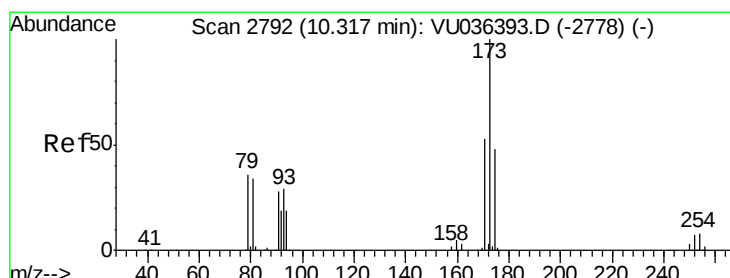
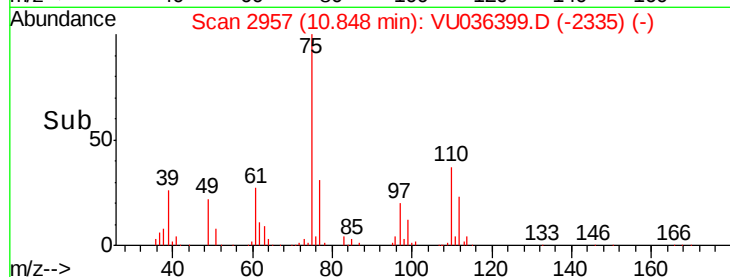
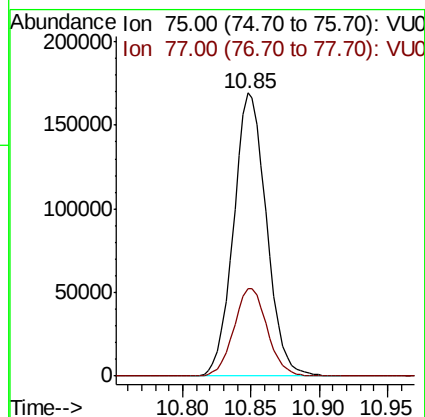
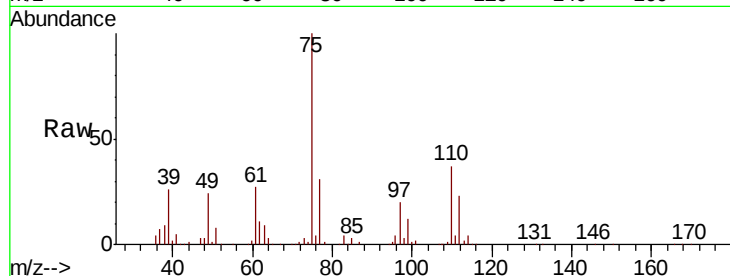
ClientSampleId :

Tot Ion: 75 Resp: 282462

Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5



#61

Bromoform

Concen: 46.785 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

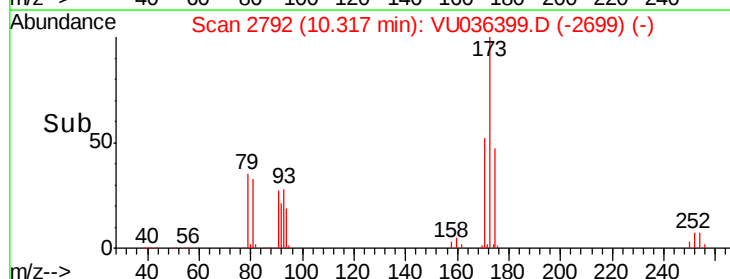
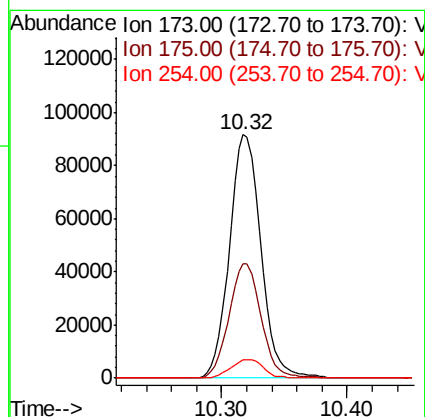
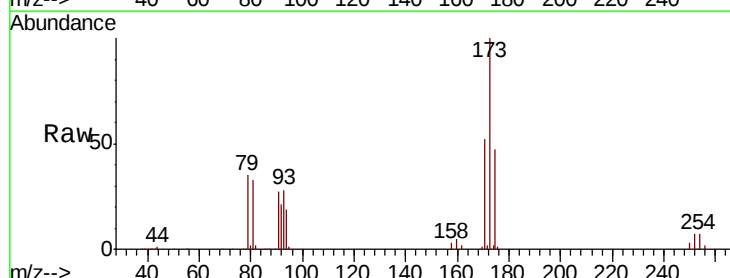
Tgt Ion: 173 Resp: 159817

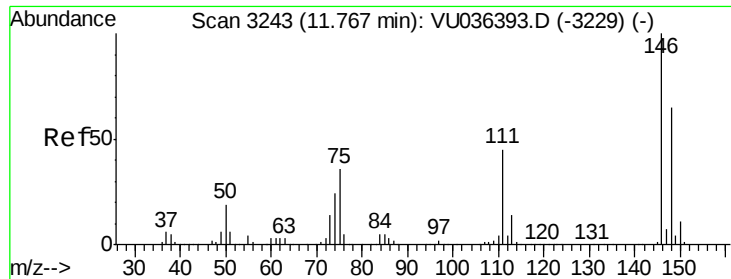
Ion Ratio Lower Upper

173 100

175 48.0 38.7 58.1

254 8.0 6.9 10.3

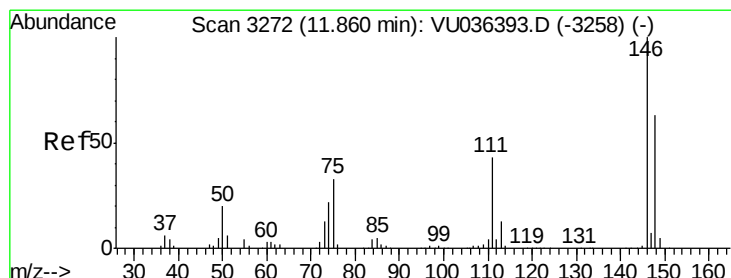
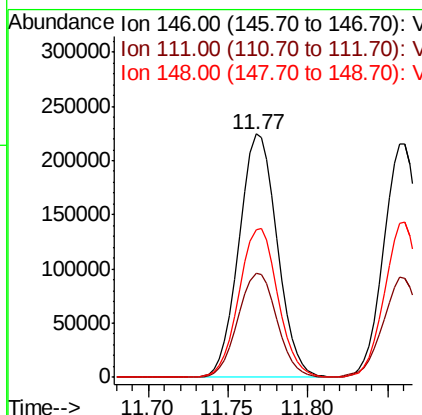
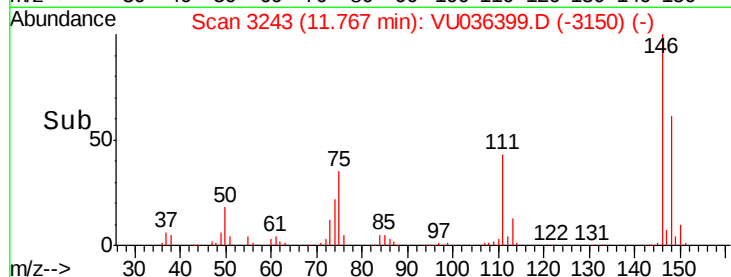
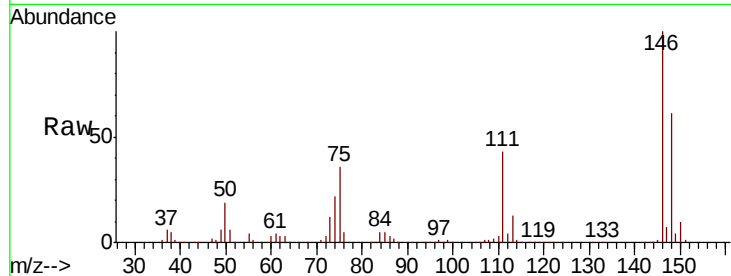




#62
 1,3-Dichlorobenzene
 Concen: 49.185 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

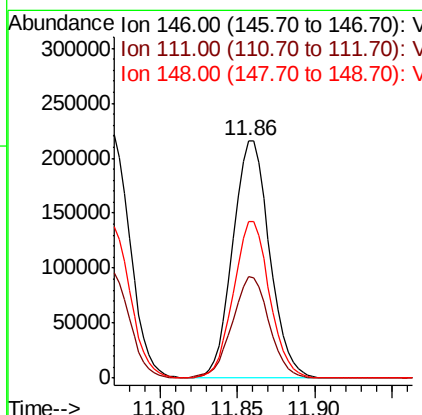
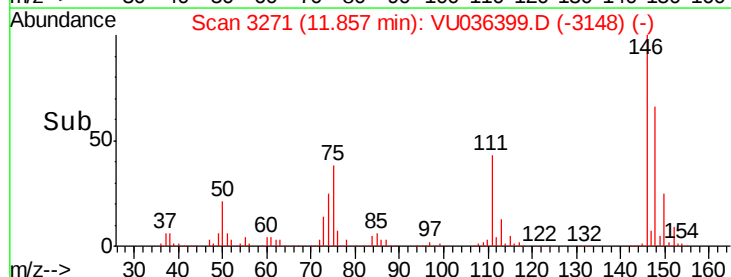
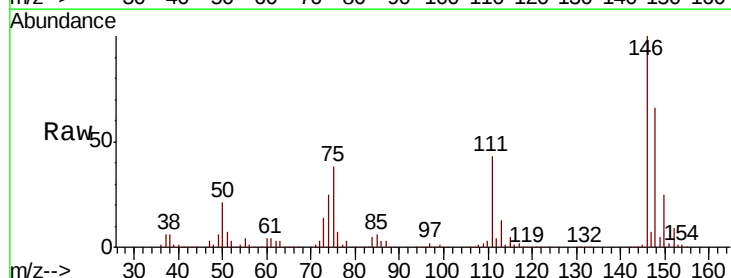
Instrument :
 MSVOA_U
 ClientSampled :

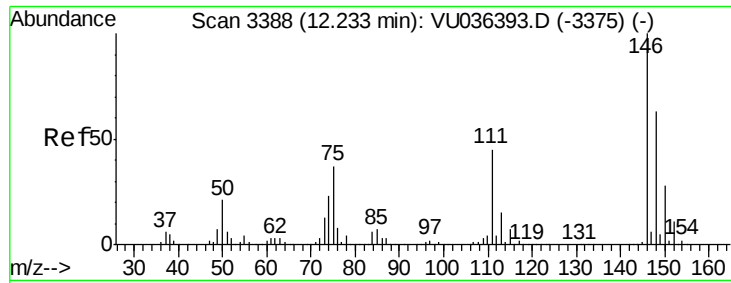
Tot Ion:146 Resp: 365358
 Ion Ratio Lower Upper
 146 100
 111 42.8 29.1 54.1
 148 60.8 46.9 87.1



#63
 1,4-Dichlorobenzene
 Concen: 48.405 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

Tgt Ion:146 Resp: 356681
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.7 55.1
 148 65.8 45.6 84.6

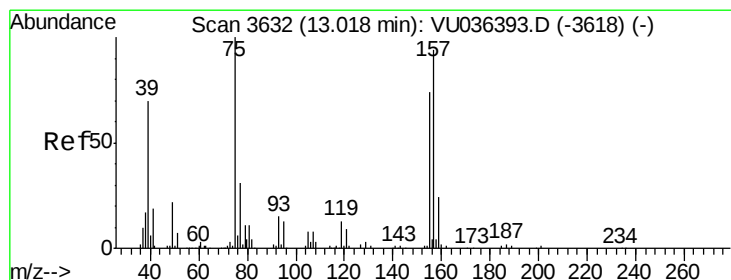
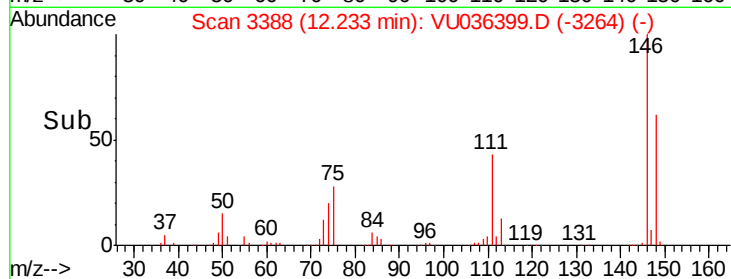
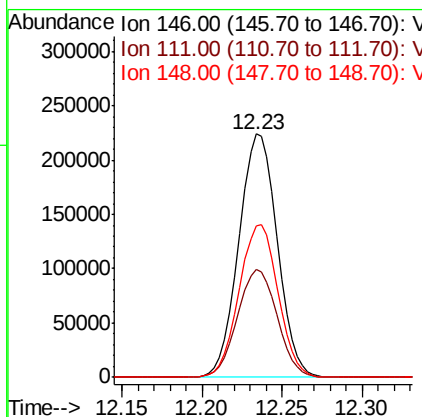
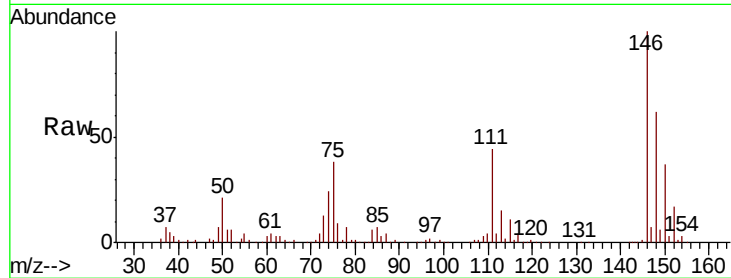




#65
 1,2-Dichlorobenzene
 Concen: 49.404 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

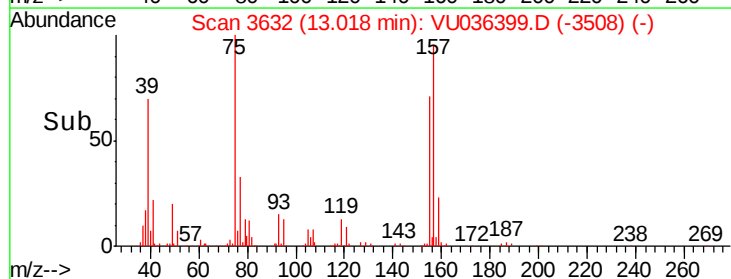
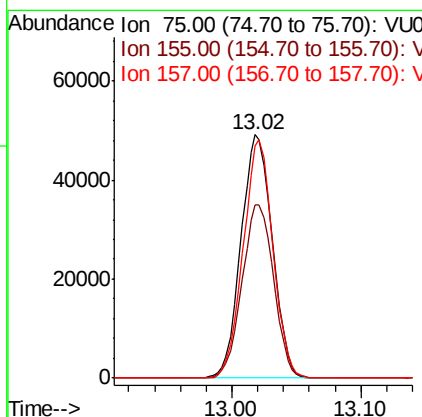
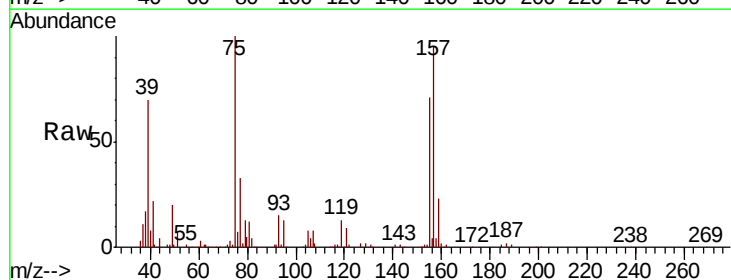
Instrument :
 MSVOA_U
 ClientSampled :

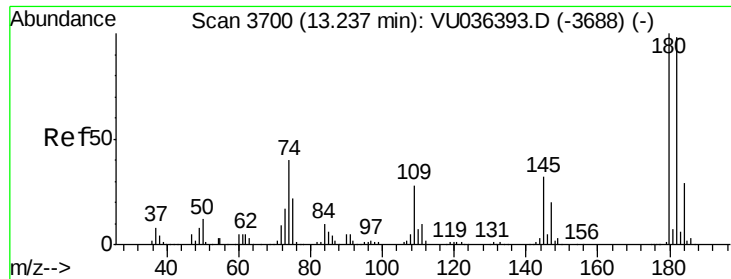
Tot Ion:146 Resp: 367698
 Ion Ratio Lower Upper
 146 100
 111 44.2 33.4 50.2
 148 62.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.697 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

Tgt Ion: 75 Resp: 82837
 Ion Ratio Lower Upper
 75 100
 155 71.1 61.8 92.6
 157 95.3 84.2 126.2

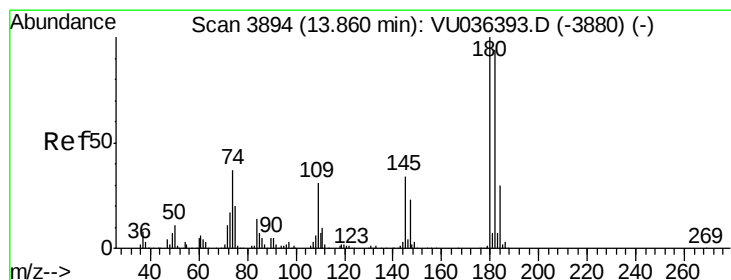
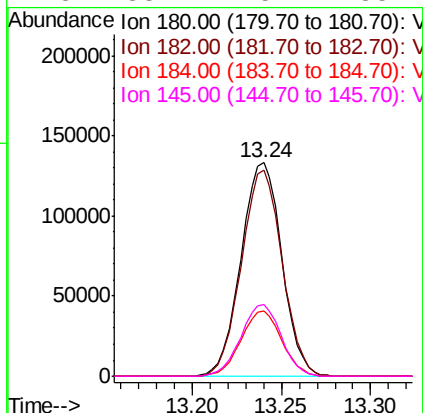
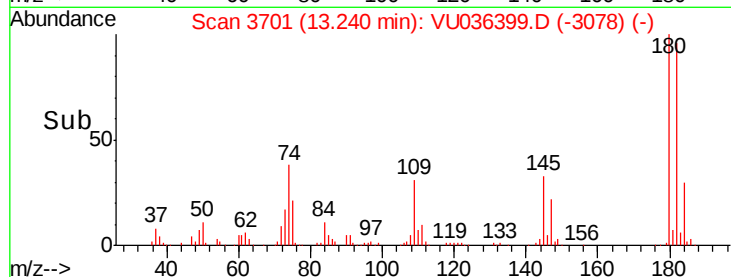
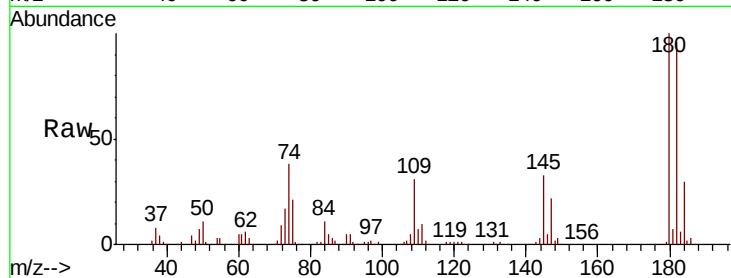




#67
 1,3,5-Trichlorobenzene
 Concen: 43.249 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

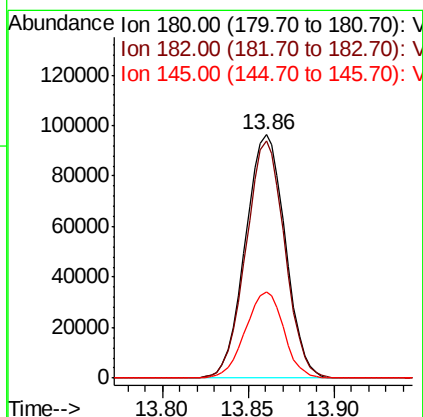
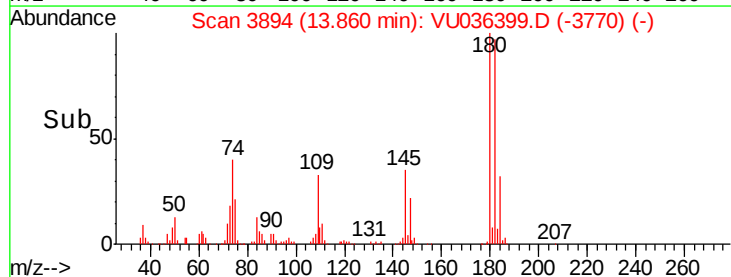
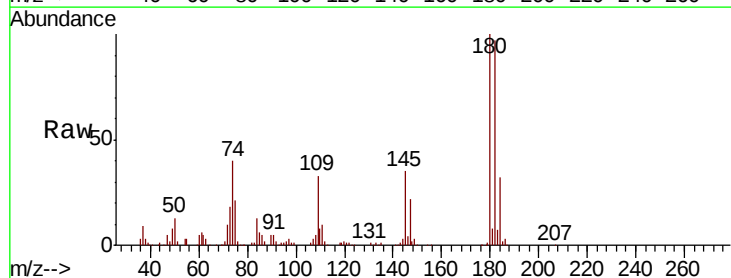
Instrument :
 MSVOA_U
 ClientSampleId :

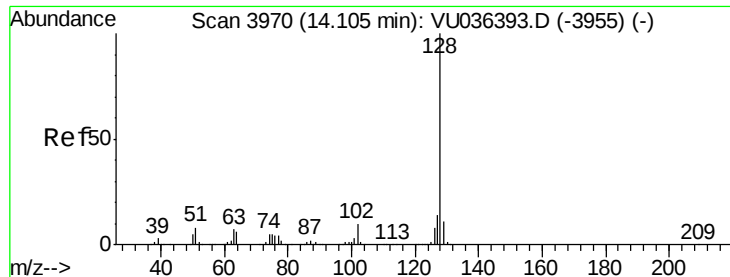
Tot Ion:180	Resp:	213334
Ion	Ratio	Lower Upper
180	100	
182	95.8	74.6 112.0
184	30.4	23.9 35.9
145	33.1	25.4 38.2



#68
 1,2,4-trichlorobenzene
 Concen: 41.508 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036399.D
 Acq: 07 Jan 2020 17:42

Tgt Ion:180	Resp:	155171
Ion	Ratio	Lower Upper
180	100	
182	94.8	78.0 117.0
145	34.0	26.0 39.0





#69

Naphthalene

Concen: 41.372 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

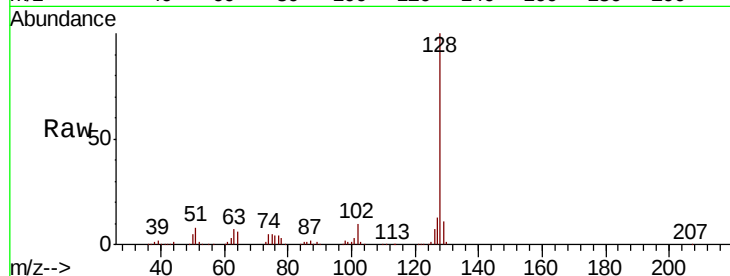
Tot Ion:128 Resp: 531467

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

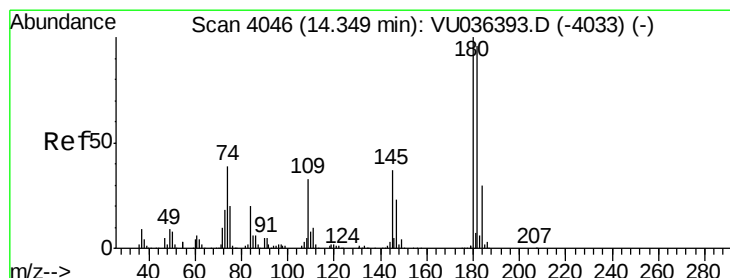
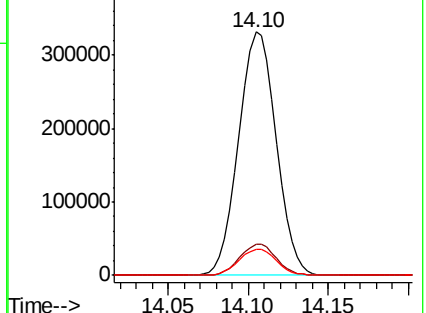
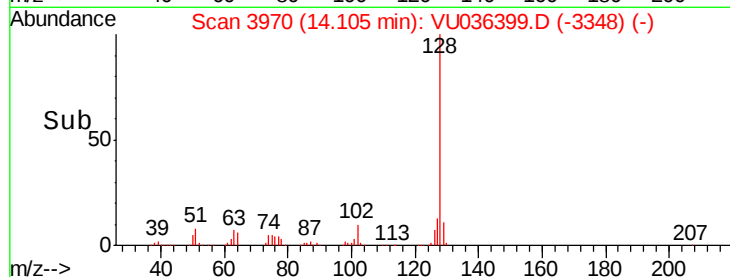
129 10.8 8.5 12.7



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: 42.265 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036399.D

Acq: 07 Jan 2020 17:42

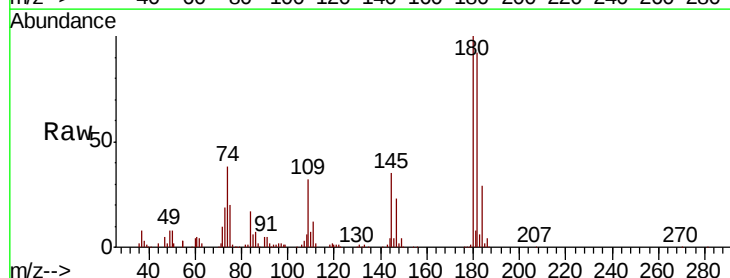
Tgt Ion:180 Resp: 165932

Ion Ratio Lower Upper

180 100

182 92.8 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

