

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035397.D
 Acq On : 23 Oct 2019 07:12
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:16:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:10:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	240735	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	236668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	115770	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	60904	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.93	69	58792	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.60	63	126932	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.71	46	242272	57.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.86%
24) Chloroform-d	5.11	84	137837	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.75	65	75378	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.77	84	238809	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.74	67	85575	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.93	98	212819	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.22	79	32691	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.68	63	181379	49.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.64%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	85087	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	87913	4.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	111001	5.418	ug/L 98
3) Chloromethane	1.54	50	117648	5.789	ug/L 100
5) Vinyl chloride	1.62	62	122365	5.862	ug/L 99
6) Bromomethane	1.87	94	80225	6.510	ug/L 99
8) Chloroethane	1.95	64	73399	5.454	ug/L 95
9) Trichlorofluoromethane	2.16	101	155375	5.576	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	88128	5.489	ug/L 94
12) 1,1-Dichloroethene	2.61	96	82430	5.330	ug/L 88
13) Acetone	2.68	43	166926	56.889	ug/L 98
14) Carbon disulfide	2.82	76	258001	5.276	ug/L 100
15) Methyl Acetate	3.00	43	39854	5.451	ug/L 100
16) Methylene chloride	3.08	84	98770	5.309	ug/L 99
17) Methyl tert-butyl Ether	3.43	73	212638	5.108	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	87866	5.264	ug/L 92
19) 1,1-Dichloroethane	3.92	63	178161	5.902	ug/L 98
21) 2-Butanone	4.79	43	256238	53.578	ug/L 97
22) cis-1,2-Dichloroethene	4.72	96	100847	5.467	ug/L 95

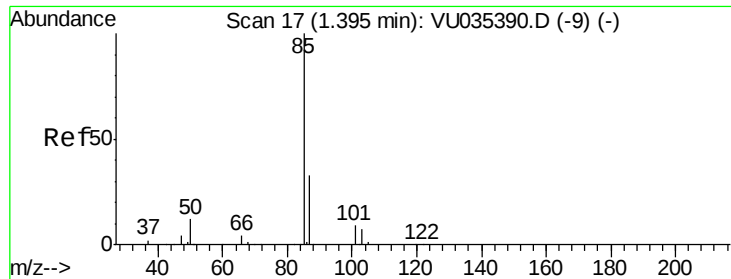
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102219\
 Data File : VU035397.D
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	44730	5.633	ug/L	96
25) Chloroform	5.14	83	183542	5.542	ug/L	98
27) 1,2-Dichloroethane	5.84	62	113667	5.596	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	146590	5.288	ug/L	99
30) Cyclohexane	5.43	56	140416	4.729	ug/L	98
31) Carbon tetrachloride	5.57	117	130043	5.210	ug/L	99
33) Benzene	5.82	78	383584	5.508	ug/L	100
34) Trichloroethene	6.58	95	94406	5.043	ug/L	99
35) Methylcyclohexane	6.80	83	140463	4.489	ug/L	97
37) 1,2-Dichloropropane	6.83	63	101277	5.729	ug/L	99
38) Bromodichloromethane	7.15	83	128537	5.397	ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	133948	4.527	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	619094	51.878	ug/L	99
42) Toluene	8.01	91	410081	5.335	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	111756	4.622	ug/L	96
45) 1,1,2-Trichloroethane	8.44	97	73818	5.625	ug/L	99
47) Tetrachloroethene	8.58	164	79064	5.069	ug/L	97
48) 2-Hexanone	8.73	43	443029	52.936	ug/L	99
49) Dibromochloromethane	8.84	129	85928	5.164	ug/L	100
50) 1,2-Dibromoethane	8.96	107	67936	5.178	ug/L #	98
51) Chlorobenzene	9.48	112	257699	5.192	ug/L	98
52) Ethylbenzene	9.60	91	431045	4.931	ug/L	99
53) m,p-Xylene	9.73	106	163324	4.948	ug/L	99
54) o-Xylene	10.13	106	157140	4.878	ug/L	100
55) Styrene	10.14	104	267958	5.109	ug/L	100
56) Isopropylbenzene	10.51	105	411283	4.746	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	96368	5.706	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	68951	5.598	ug/L	98
61) Bromoform	10.32	173	50635	4.722	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	199348	5.046	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	192534	4.957	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	186203	5.017	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	13037	4.973	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.24	180	118778	4.852	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	79395	4.872	ug/L	99
69) Naphthalene	14.11	128	104077	4.653	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	81098	5.322	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.418 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

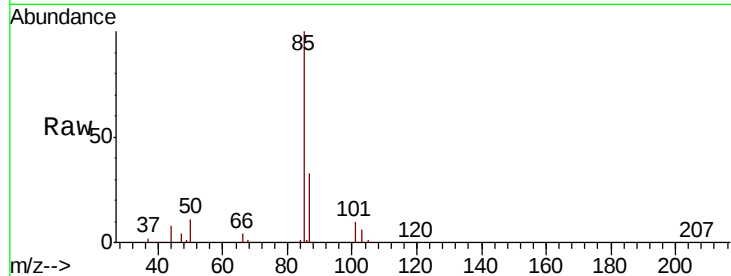
ClientSampleId :

Tot Ion: 85 Resp: 111001

Ion Ratio Lower Upper

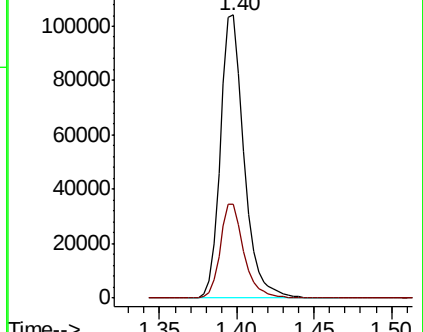
85 100

87 33.3 25.5 38.3

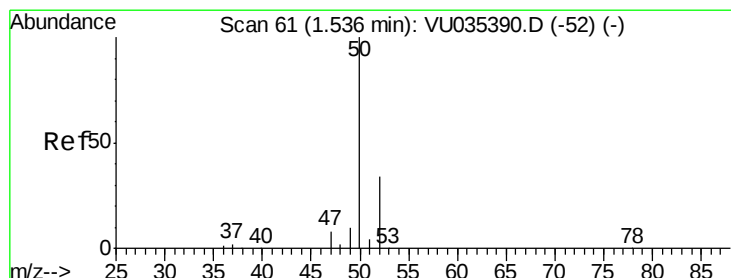
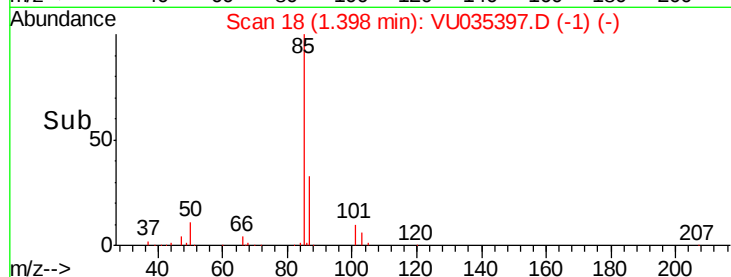


Abundance Ion 85.00 (84.70 to 85.70): VU035397.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035397.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 5.789 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035397.D

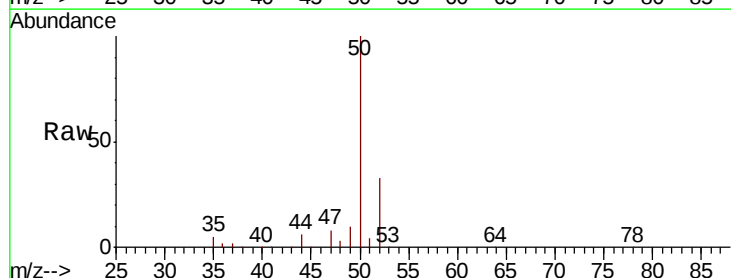
Acq: 23 Oct 2019 07:12

Tgt Ion: 50 Resp: 117648

Ion Ratio Lower Upper

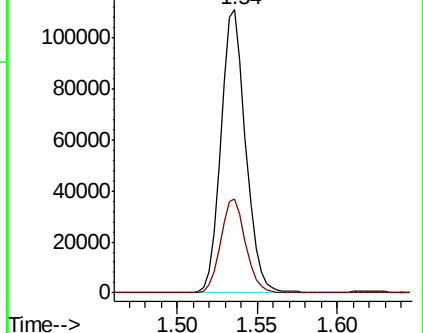
50 100

52 33.3 23.5 43.7

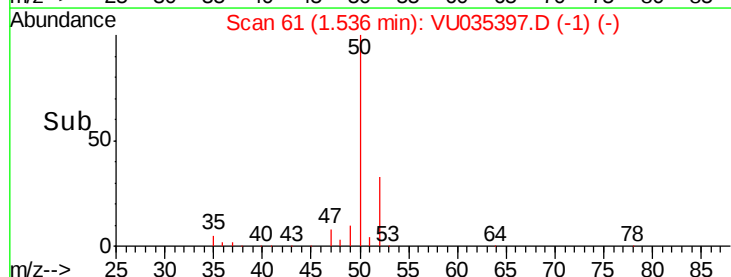


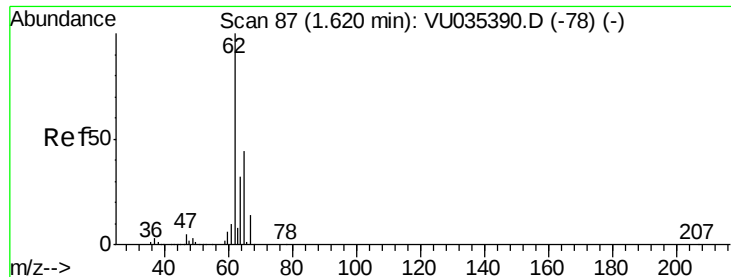
Abundance Ion 50.05 (49.75 to 50.75): VU035397.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035397.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 5.862 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

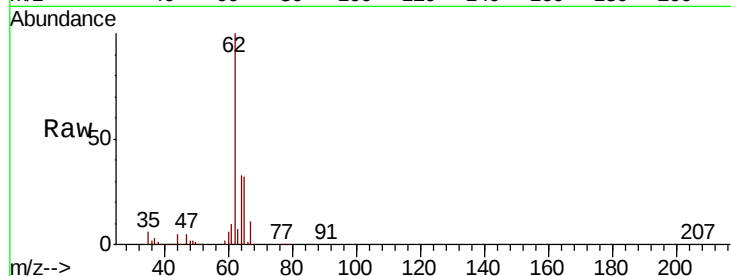
ClientSampled :

Tot Ion: 62 Resp: 122365

Ion Ratio Lower Upper

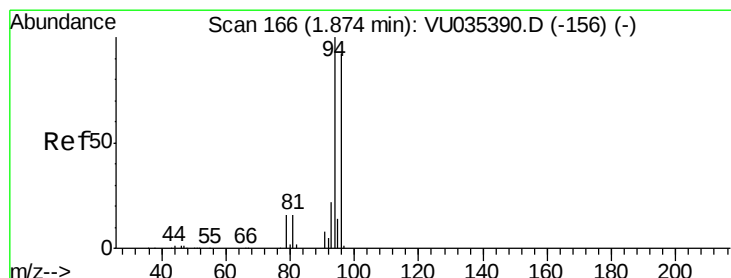
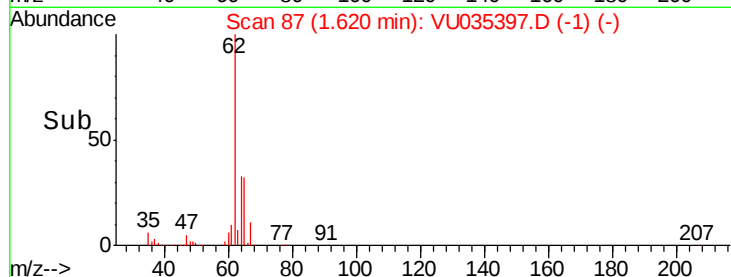
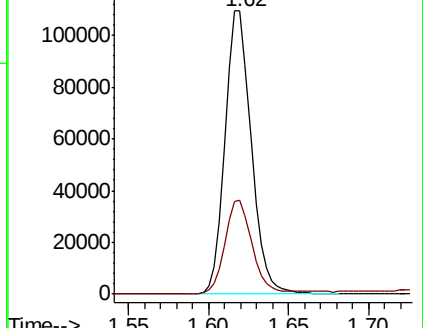
62 100

64 33.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035397.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035397.D (-1) (-)



#6

Bromomethane

Concen: 6.510 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035397.D

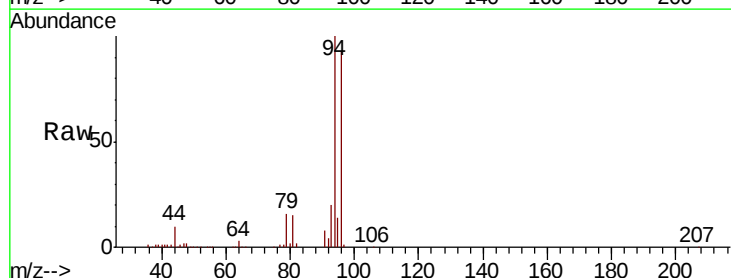
Acq: 23 Oct 2019 07:12

Tgt Ion: 94 Resp: 80225

Ion Ratio Lower Upper

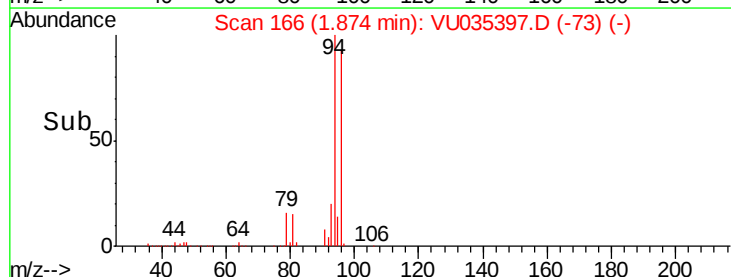
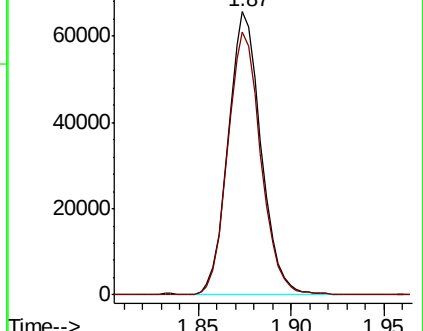
94 100

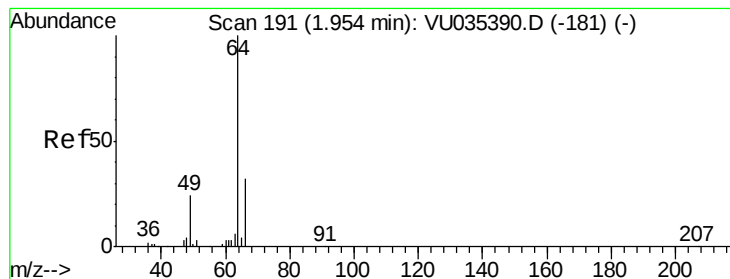
96 92.9 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035397.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035397.D (-73) (-)





#8

Chloroethane

Concen: 5.454 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

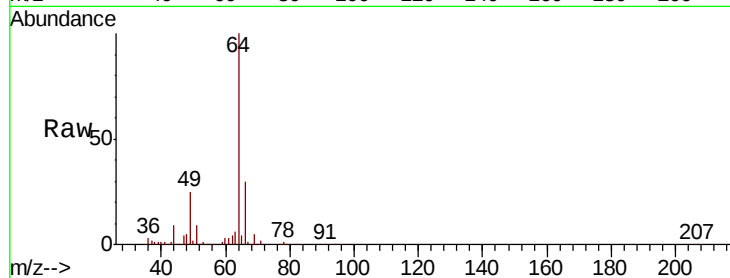
ClientSampleId :

Tot Ion: 64 Resp: 73399

Ion Ratio Lower Upper

64 100

66 29.7 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU035397.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU035397.D (-181) (-)

1.95

60000

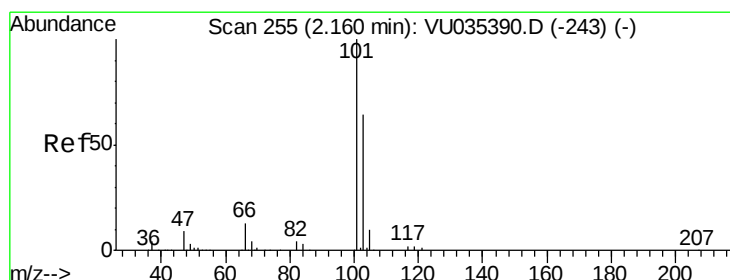
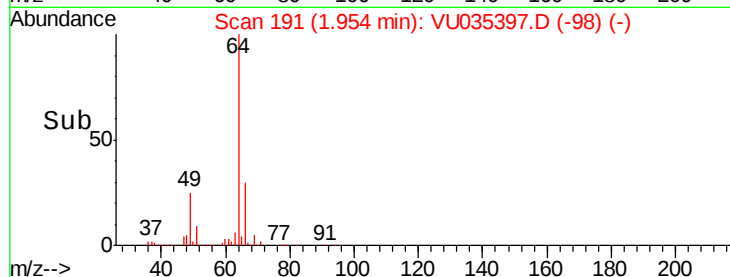
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.576 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035397.D

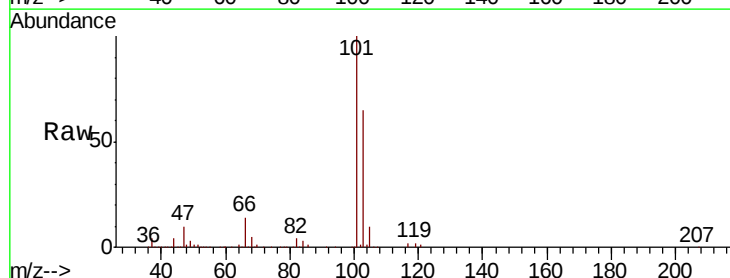
Acq: 23 Oct 2019 07:12

Tgt Ion:101 Resp: 155375

Ion Ratio Lower Upper

101 100

103 63.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU035397.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035397.D (-243) (-)

2.16

120000

100000

80000

60000

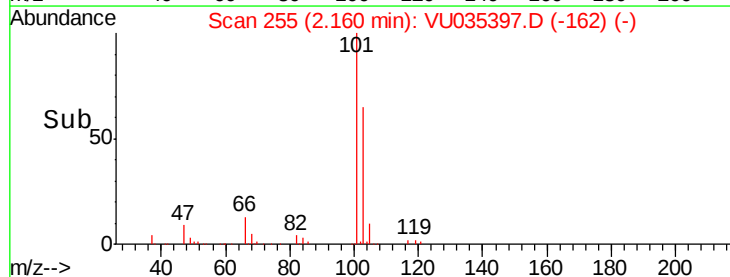
40000

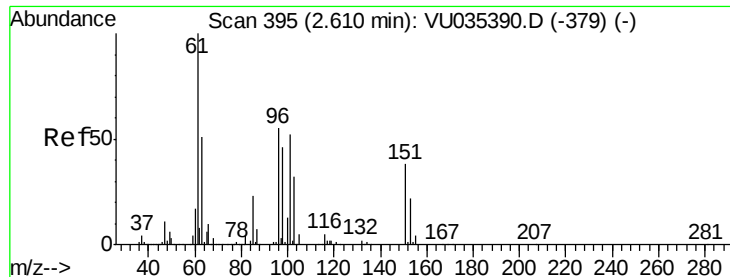
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.489 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

ClientSampled :

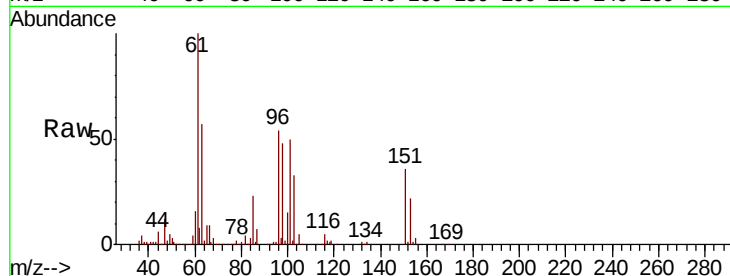
Tot Ion:101 Resp: 88128

Ion Ratio Lower Upper

101 100

85 45.1 33.9 50.9

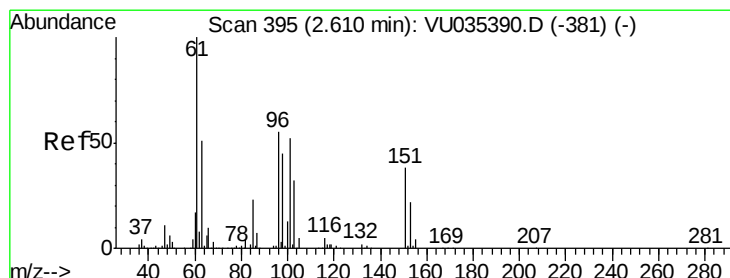
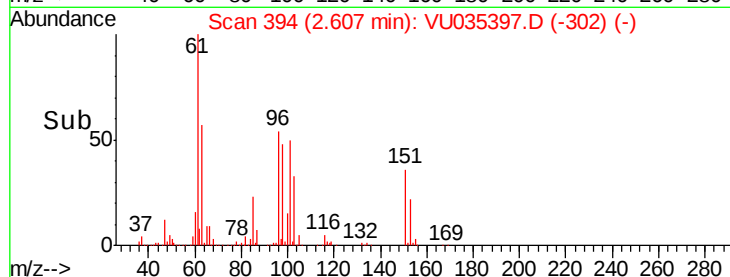
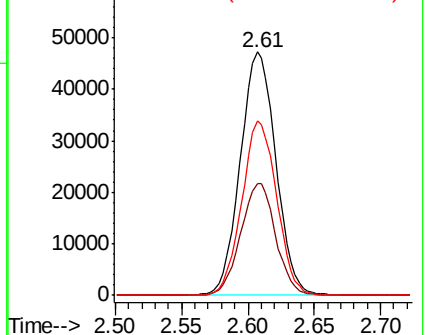
151 70.3 61.0 91.4



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: 5.330 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

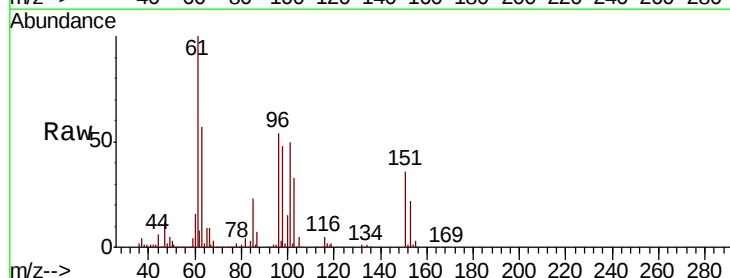
Tgt Ion: 96 Resp: 82430

Ion Ratio Lower Upper

96 100

61 184.5 120.6 224.0

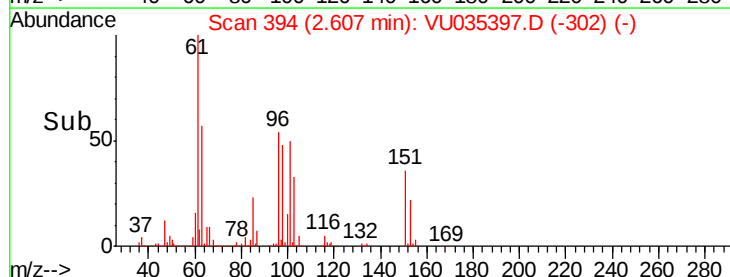
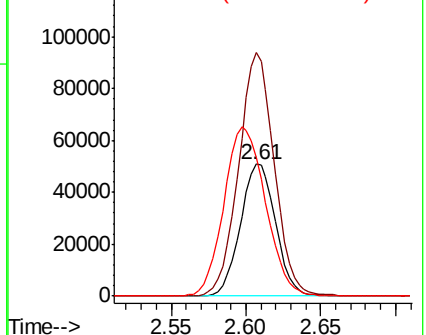
63 104.6 86.8 161.2

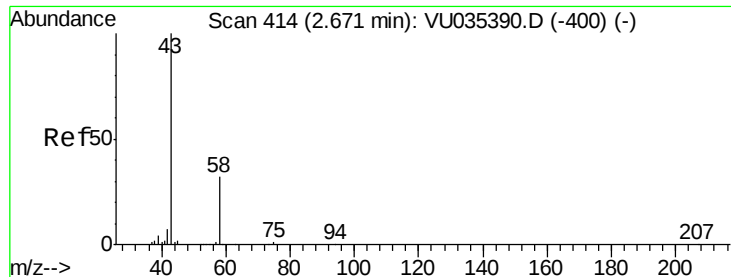


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.889 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

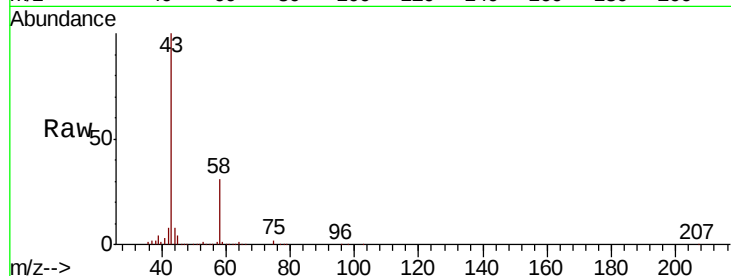
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 166926

Ion Ratio Lower Upper

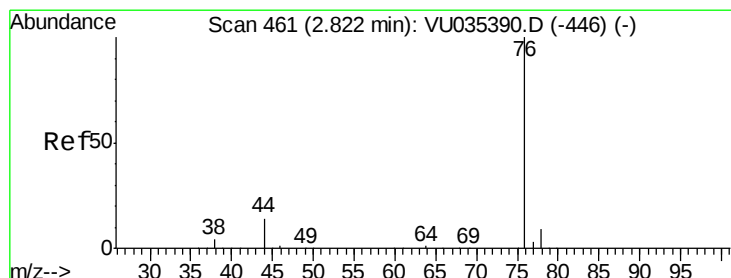
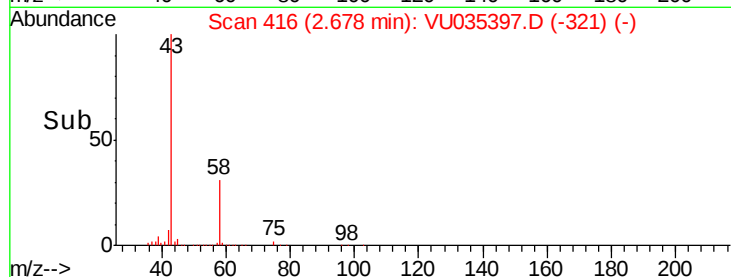
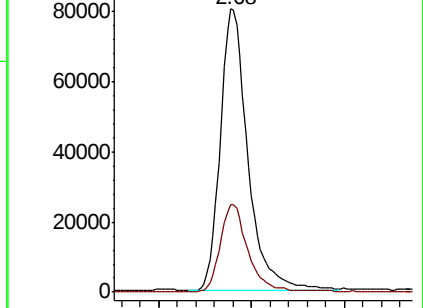
43 100

58 31.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035397.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU035397.D (-321) (-)



#14

Carbon disulfide

Concen: 5.276 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035397.D

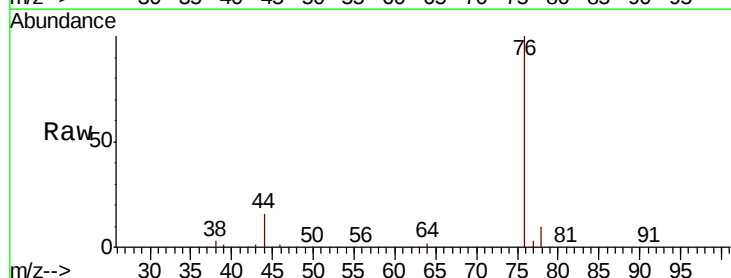
Acq: 23 Oct 2019 07:12

Tgt Ion: 76 Resp: 258001

Ion Ratio Lower Upper

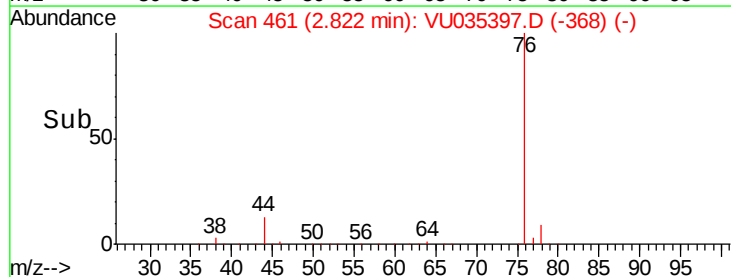
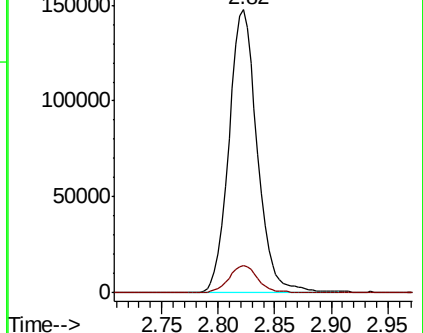
76 100

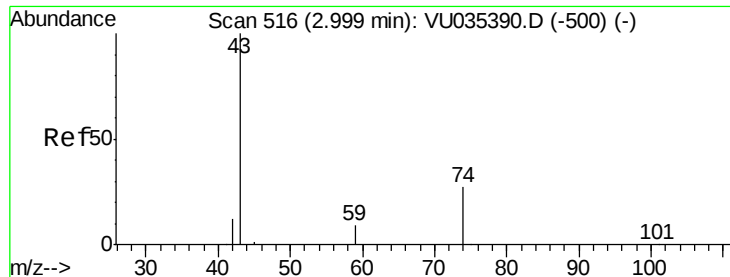
78 9.6 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035397.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU035397.D (-368) (-)





#15

Methyl Acetate

Concen: 5.451 ug/L

RT: 3.00 min Scan# 516

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

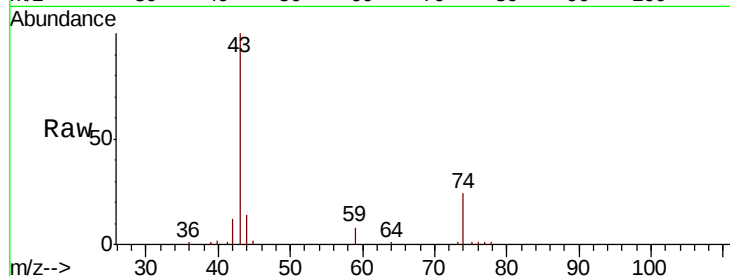
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 39854

Ion Ratio Lower Upper

43 100

74 25.5 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VU035397.D (-423) (-)

Ion 74.05 (73.75 to 74.75): VU035397.D (-423) (-)

3.00

25000

20000

15000

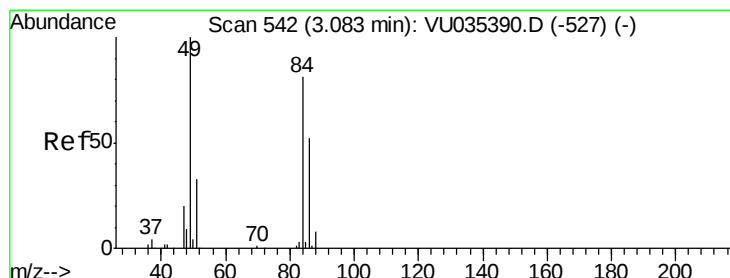
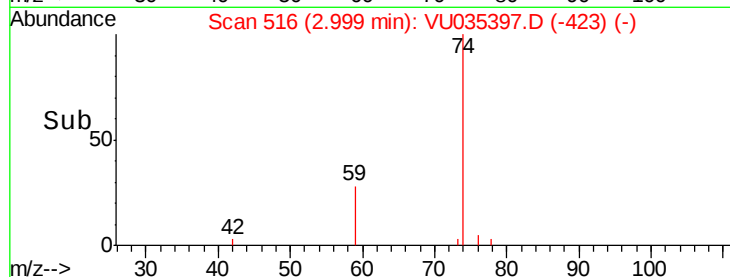
10000

5000

0

Time-->

2.95 3.00 3.05 3.10



#16

Methylene chloride

Concen: 5.309 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

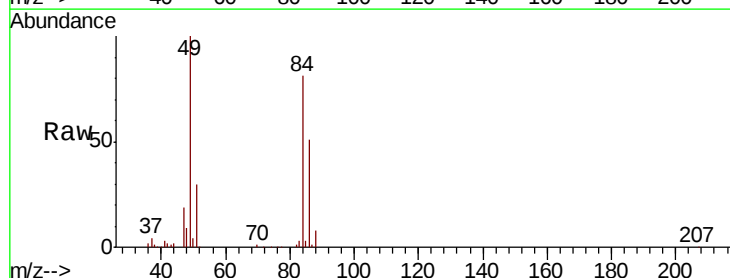
Tgt Ion: 84 Resp: 98770

Ion Ratio Lower Upper

84 100

86 63.3 45.4 84.2

49 123.2 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU035397.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VU035397.D (-449) (-)

Ion 49.10 (48.80 to 49.80): VU035397.D (-449) (-)

3.08

80000

60000

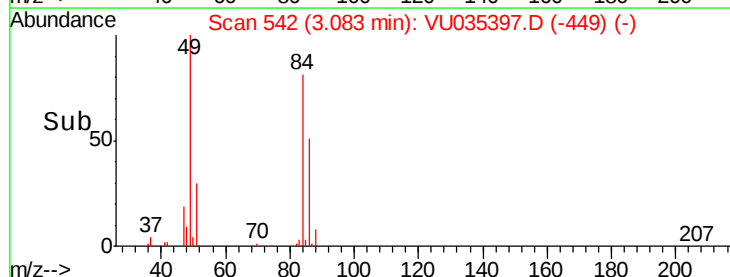
40000

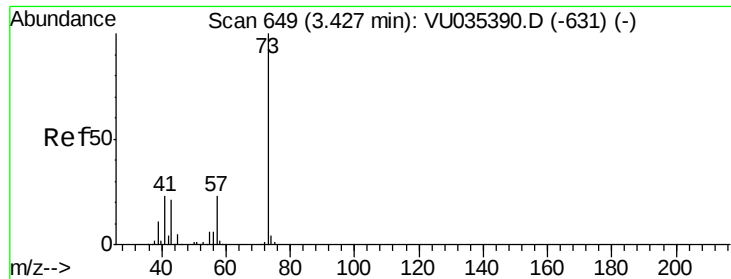
20000

0

Time-->

3.00 3.10 3.20

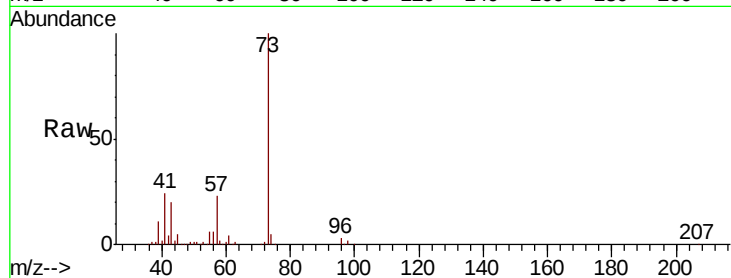




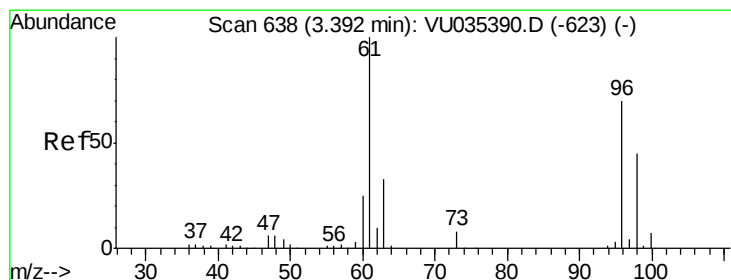
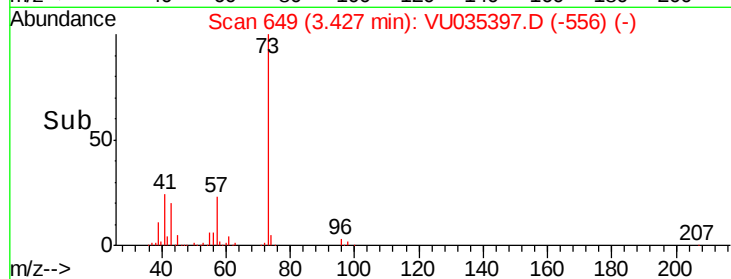
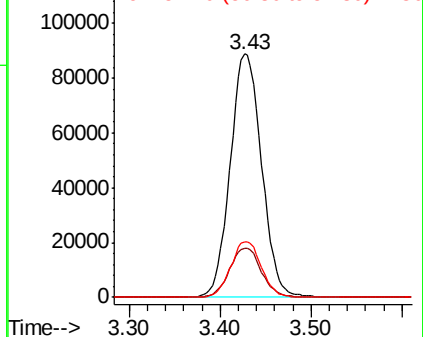
#17
Methvl tert-butvl Ether
Concen: 5.108 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035397.D
Acq: 23 Oct 2019 07:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 212638
Ion Ratio Lower Upper
73 100
43 20.7 16.0 24.0
57 22.5 17.4 26.2

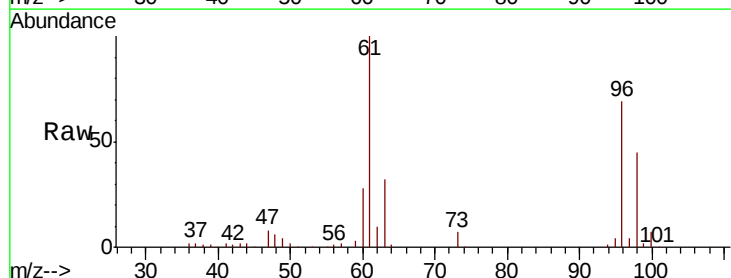


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

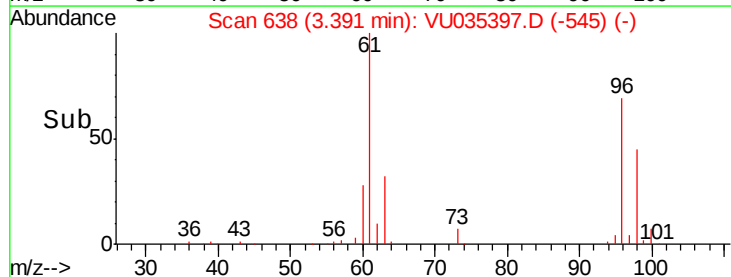
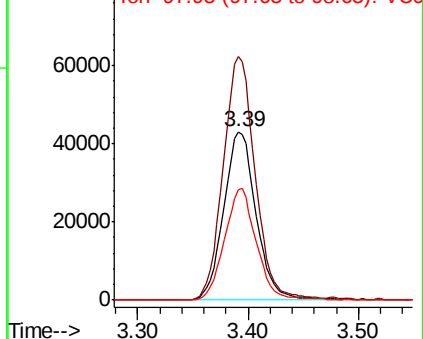


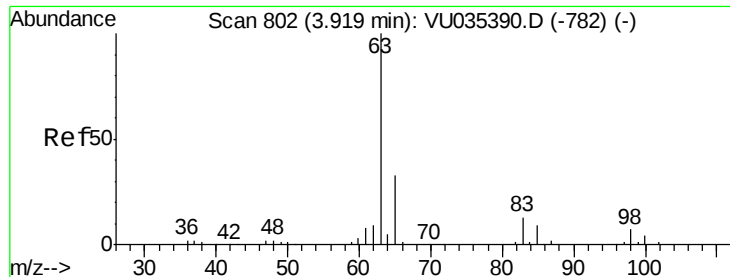
#18
trans-1,2-Dichloroethene
Concen: 5.264 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035397.D
Acq: 23 Oct 2019 07:12

Tgt Ion: 96 Resp: 87866
Ion Ratio Lower Upper
96 100
61 144.6 93.0 172.6
98 65.7 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

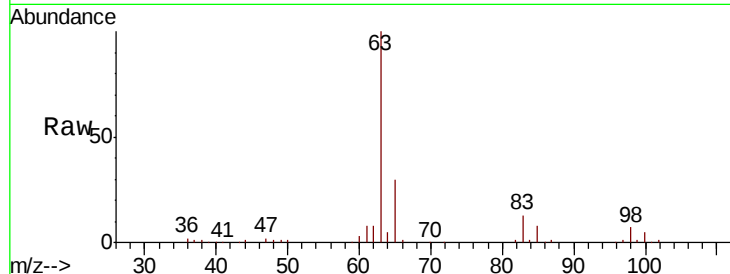




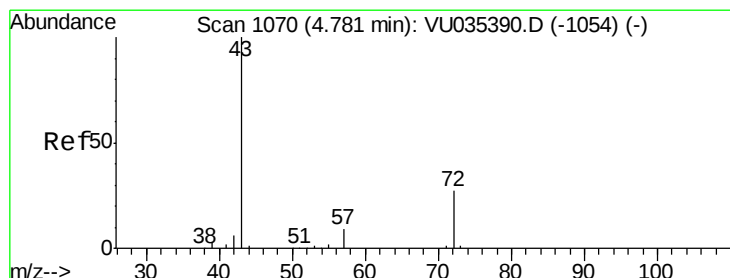
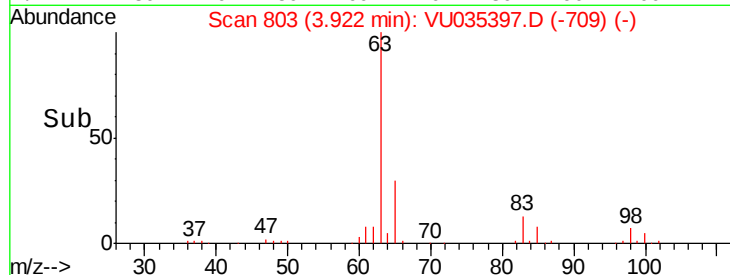
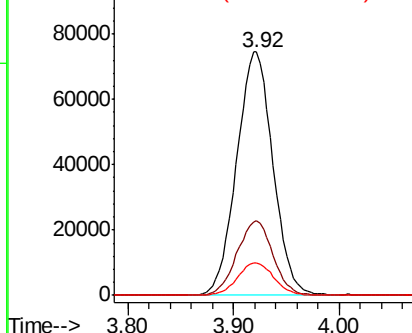
#19
 1,1-Dichloroethane
 Concen: 5.902 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 178161
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.4 41.6
 83 13.5 9.3 17.3

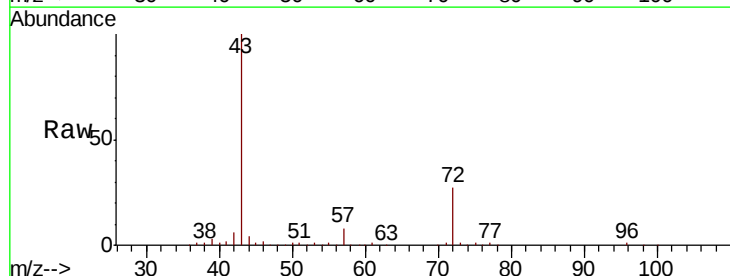


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

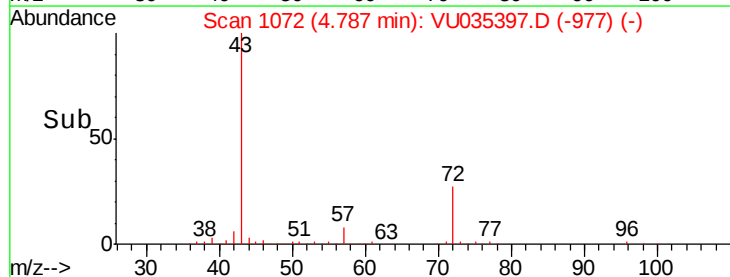
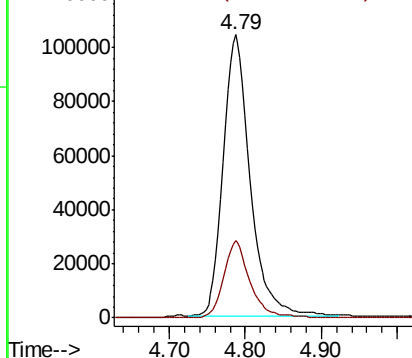


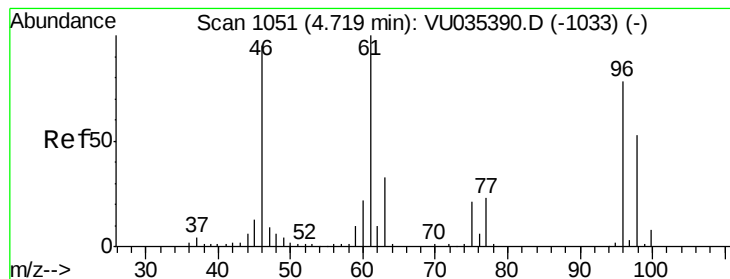
#21
 2-Butanone
 Concen: 53.578 ug/L
 RT: 4.79 min Scan# 1072
 Delta R.T. 0.01 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Tgt Ion: 43 Resp: 256238
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.6 40.8



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





#22

cis-1,2-Dichloroethene

Concen: 5.467 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

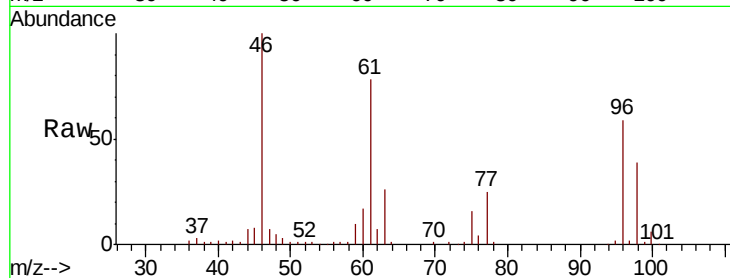
Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 100847

Ion	Ratio	Lower	Upper
96	100		
61	133.7	89.7	166.5
68	0.0	0.0	0.0

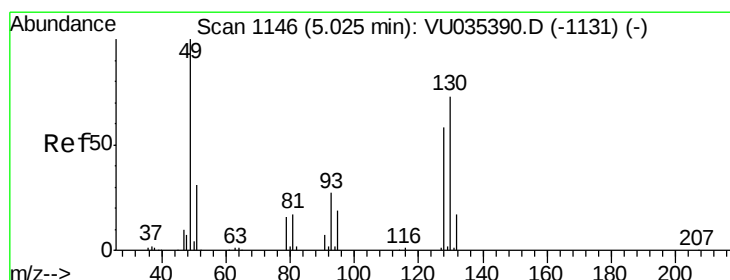
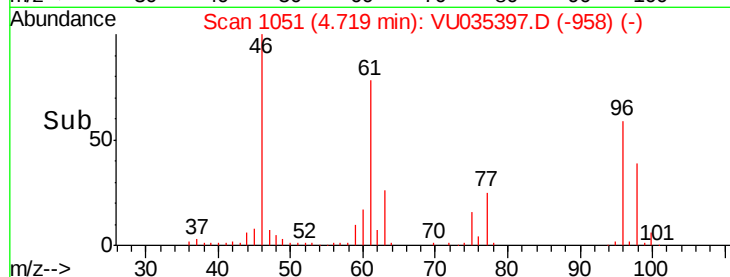
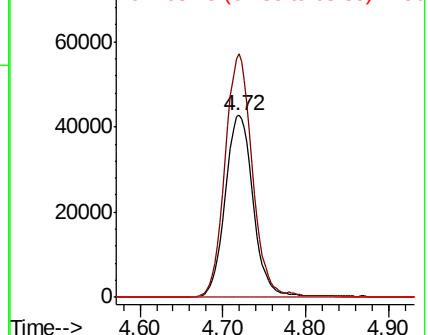


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.633 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Tgt Ion:128 Resp: 44730

Ion	Ratio	Lower	Upper
128	100		
49	161.1	109.3	203.1
130	121.9	88.7	164.7
51	50.3	39.2	58.8

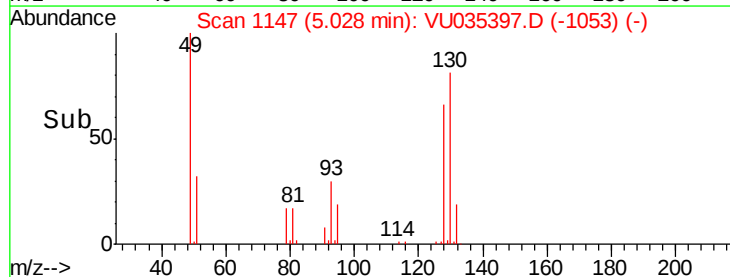
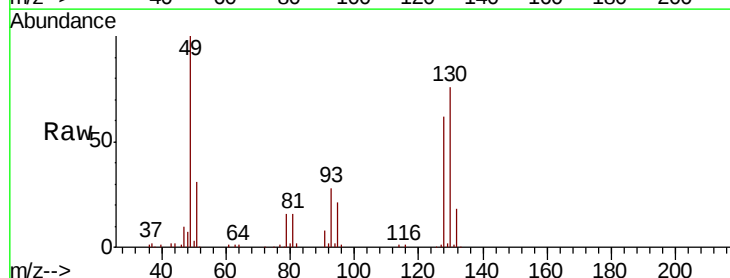
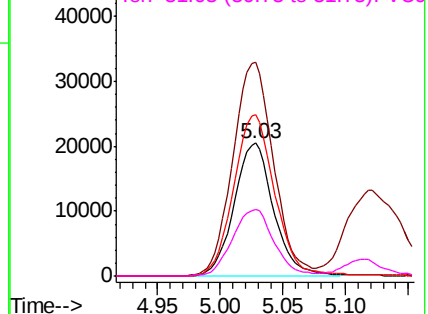
Abundance

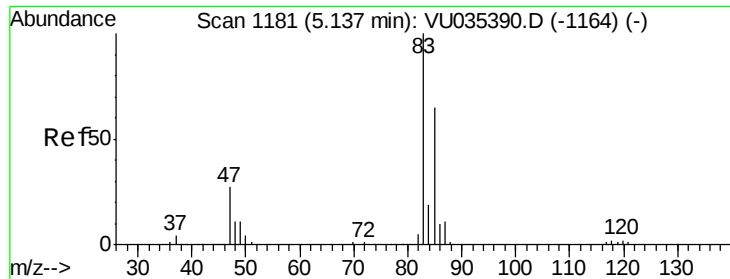
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

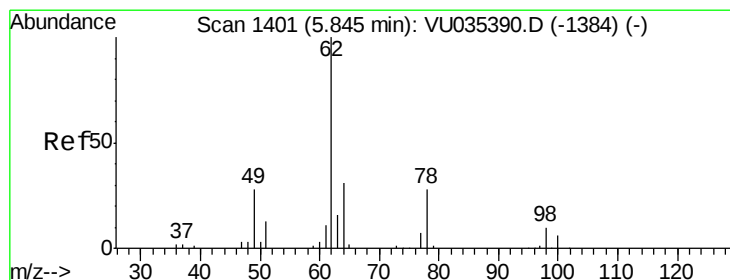
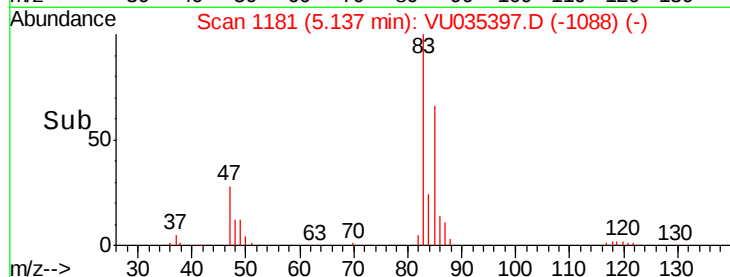
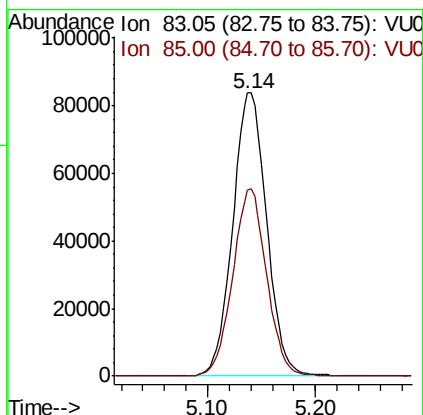
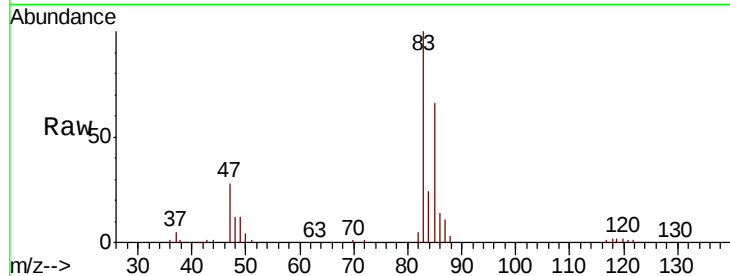




#25
Chloroform
Concen: 5.542 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035397.D
Acq: 23 Oct 2019 07:12

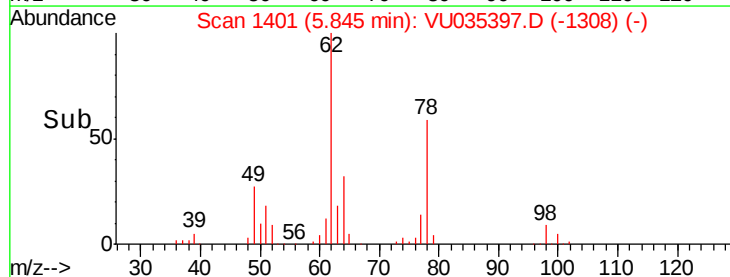
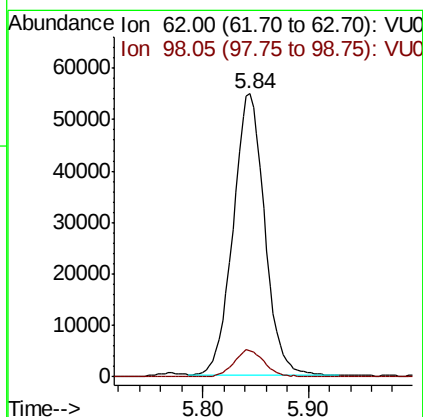
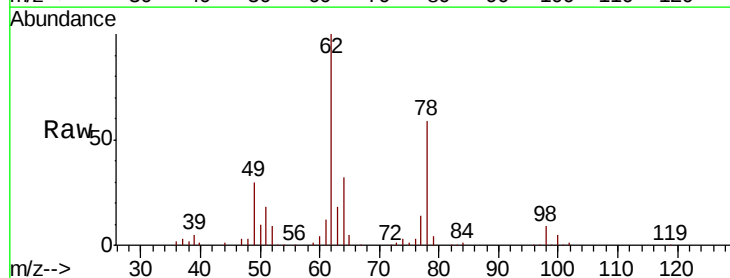
Instrument :
MSVOA_U
ClientSampleId :

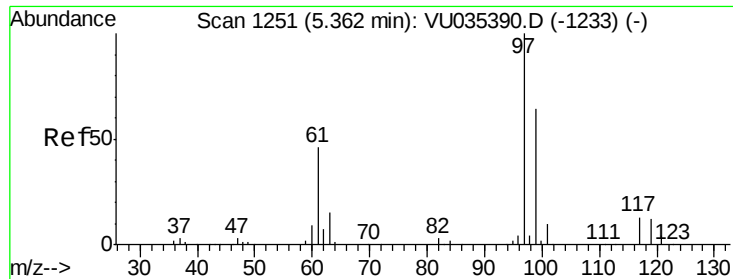
Tot Ion: 83 Resp: 183542
Ion Ratio Lower Upper
83 100
85 65.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.596 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VU035397.D
Acq: 23 Oct 2019 07:12

Tgt Ion: 62 Resp: 113667
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.6

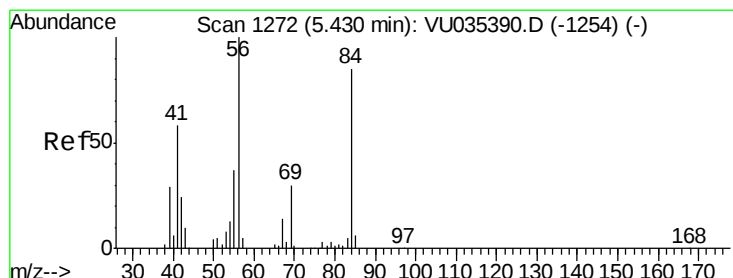
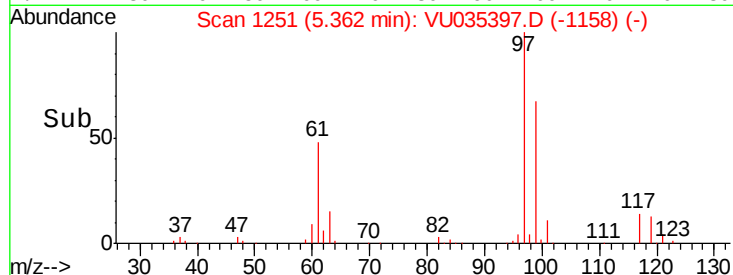
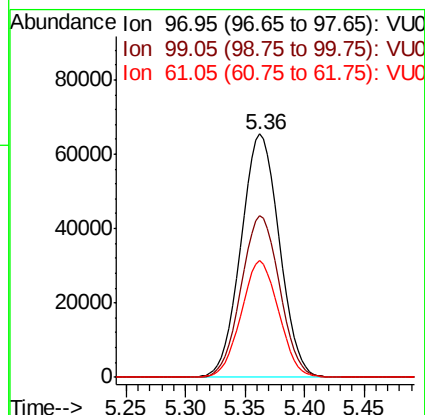
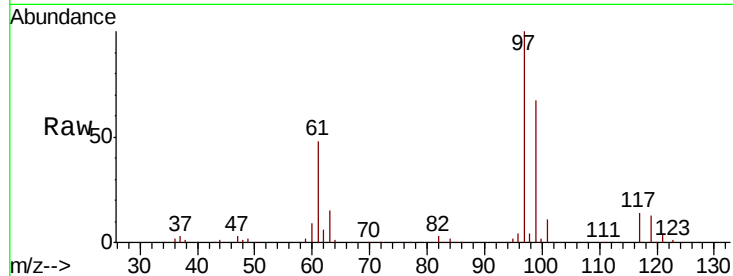




#29
 1,1,1-Trichloroethane
 Concen: 5.288 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

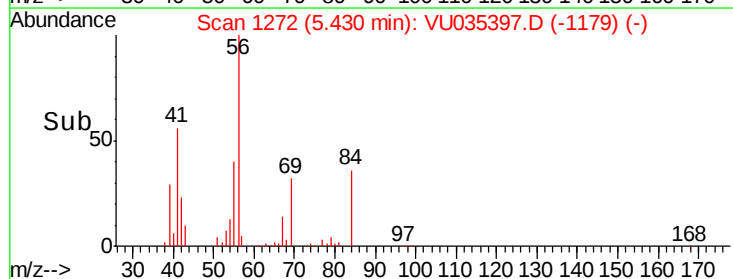
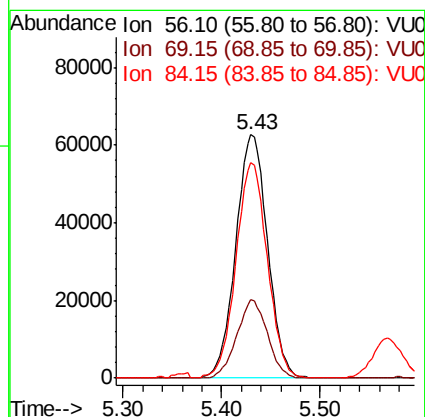
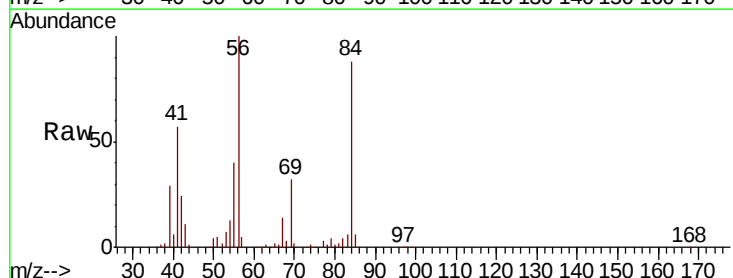
Instrument :
 MSVOA_U
 ClientSampled :

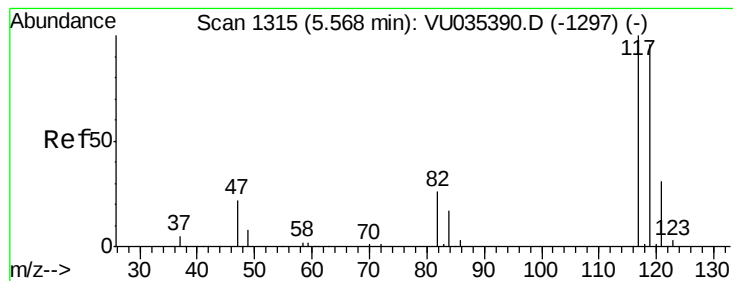
Tot Ion: 97 Resp: 146590
 Ion Ratio Lower Upper
 97 100
 99 66.9 52.6 79.0
 61 47.1 37.0 55.4



#30
 Cyclohexane
 Concen: 4.729 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Tgt Ion: 56 Resp: 140416
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.6 36.8
 84 87.5 71.5 107.3





#31

Carbon tetrachloride

Concen: 5.210 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

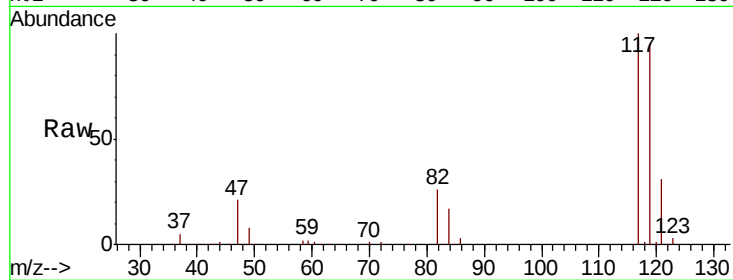
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 130043

Ion Ratio Lower Upper

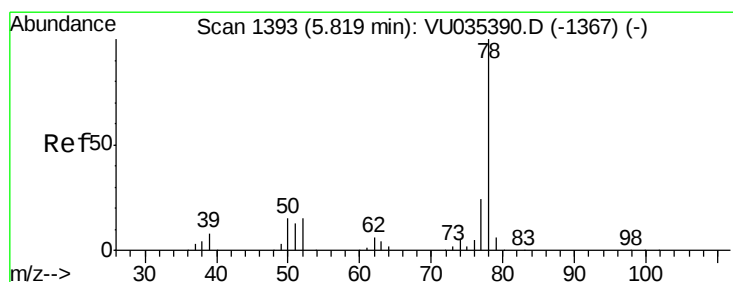
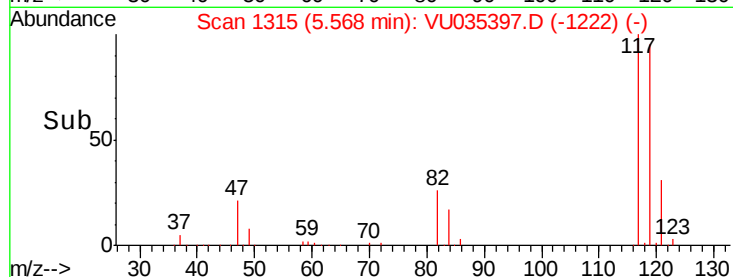
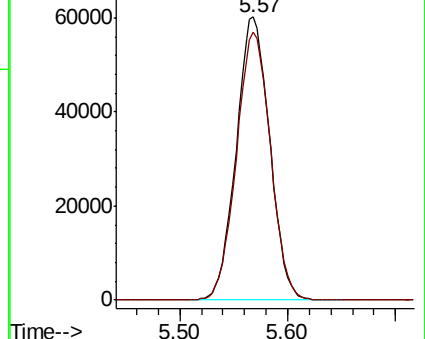
117 100

119 96.2 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.508 ug/L

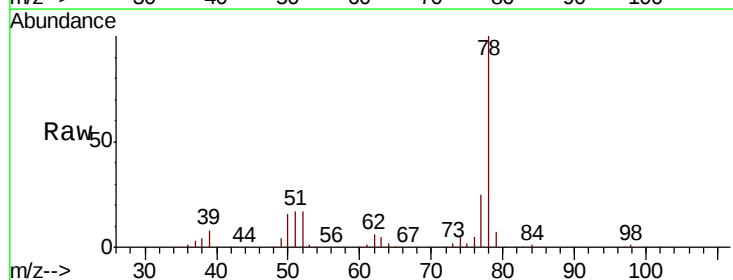
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

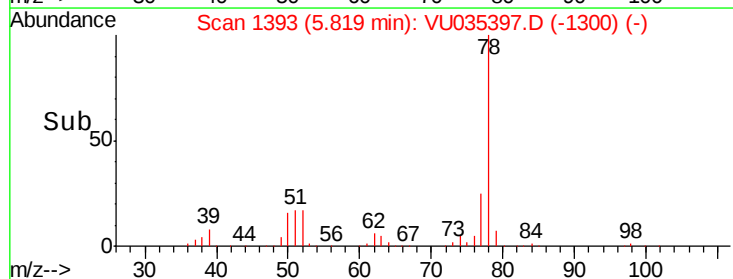
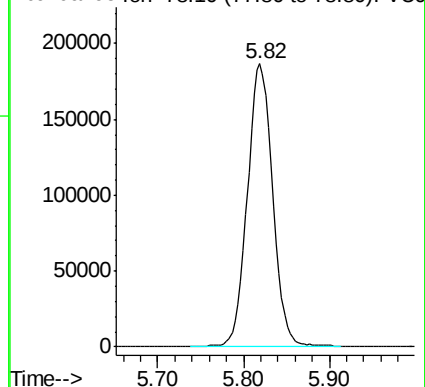
Lab File: VU035397.D

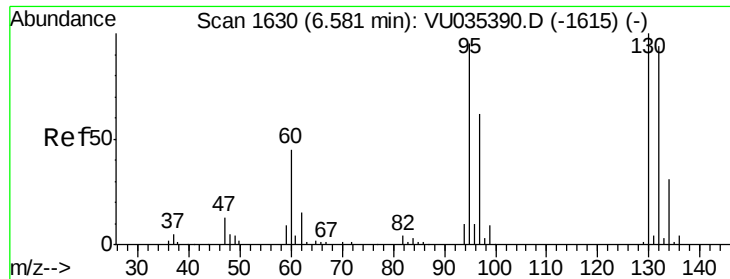
Acq: 23 Oct 2019 07:12

Tgt Ion: 78 Resp: 383584



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.043 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 94406

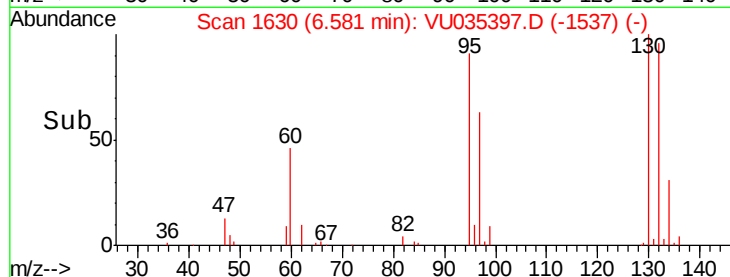
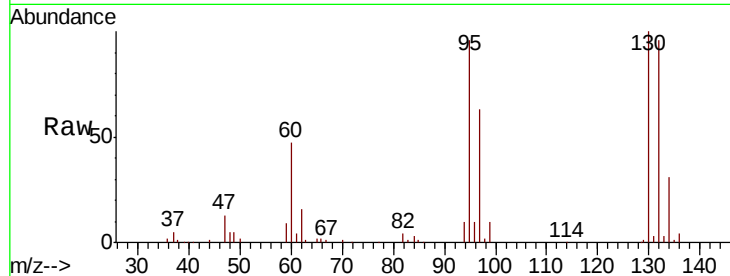
Ion Ratio Lower Upper

95 100

97 66.4 46.6 86.6

132 100.3 68.7 127.7

130 104.5 73.9 137.3

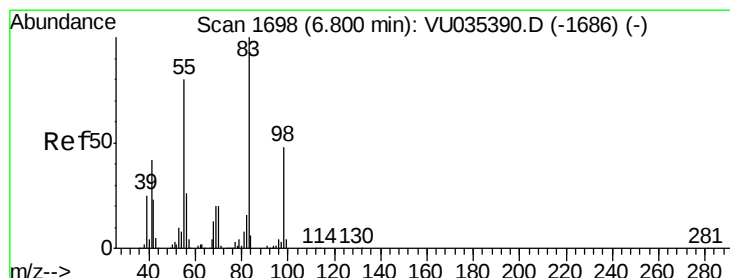
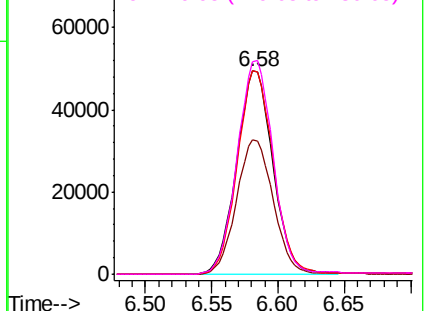


Abundance Ion 95.00 (94.70 to 95.70): VU035397.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035397.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035397.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035397.D (-1537) (-)



#35

Methylcyclohexane

Concen: 4.489 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

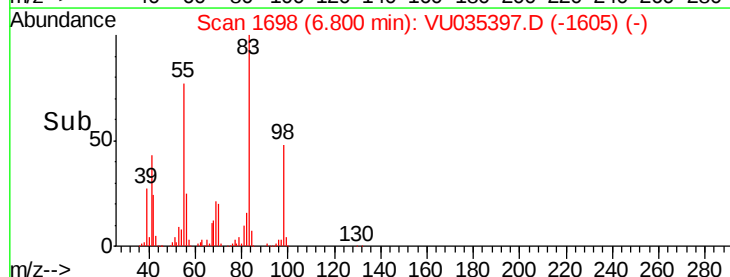
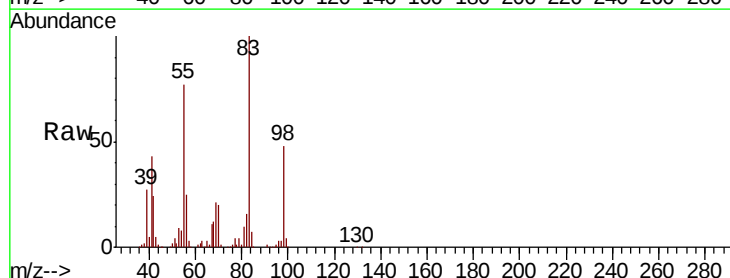
Tgt Ion: 83 Resp: 140463

Ion Ratio Lower Upper

83 100

55 78.3 60.4 90.6

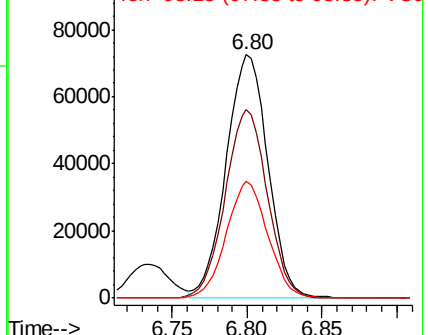
98 47.9 39.5 59.3

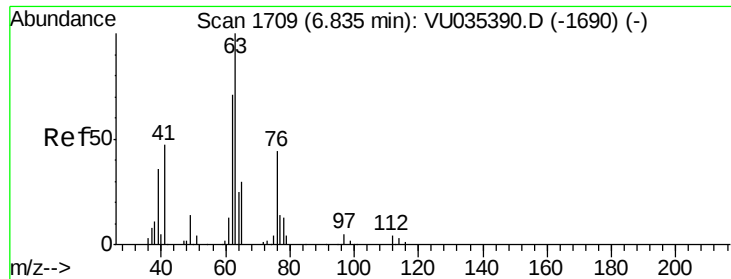


Abundance Ion 83.15 (82.85 to 83.85): VU035397.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035397.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035397.D (-1605) (-)

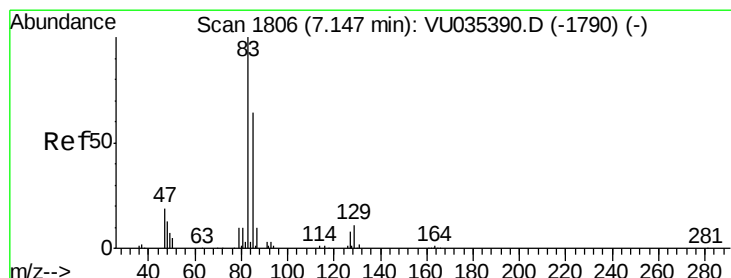
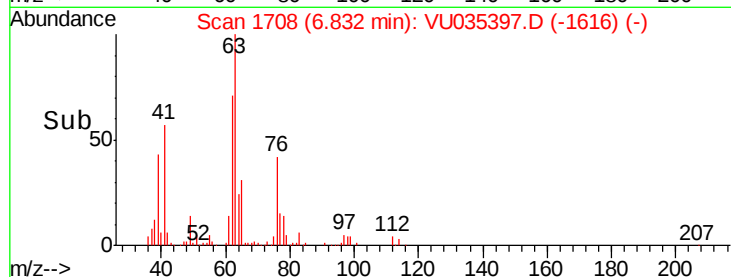
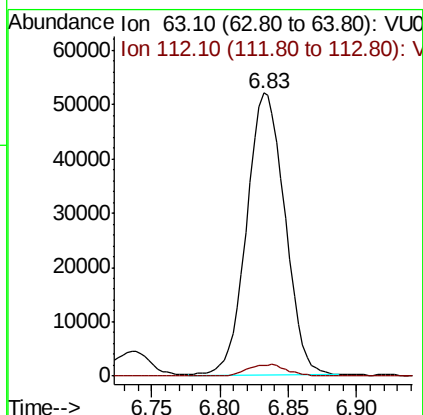
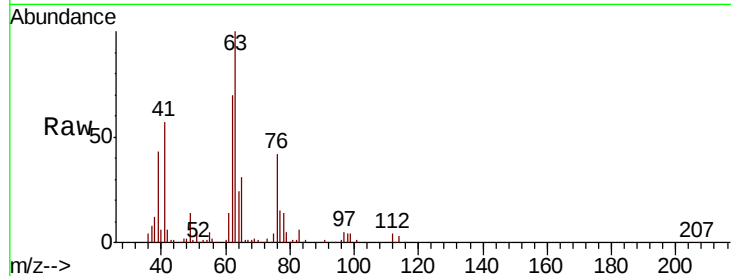




#37
 1,2-Dichloropropane
 Concen: 5.729 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

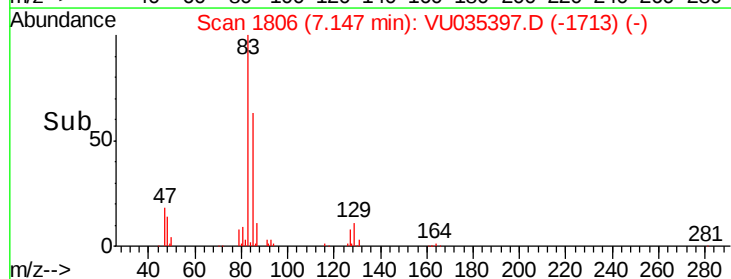
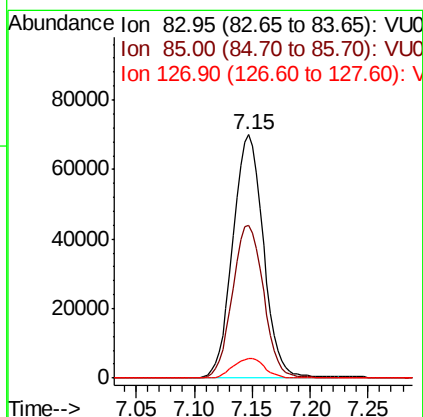
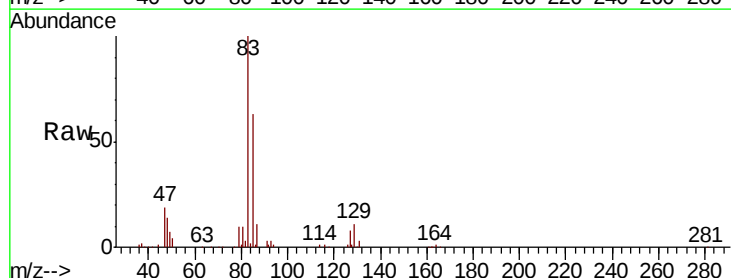
Instrument :
 MSVOA_U
 ClientSampleId :

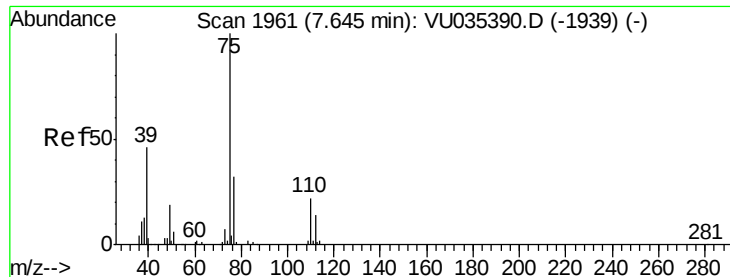
Tot Ion: 63 Resp: 101277
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.397 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Tgt Ion: 83 Resp: 128537
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.6 84.8
 127 8.1 6.9 10.3

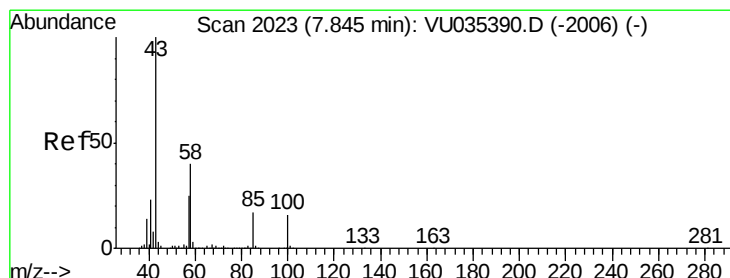
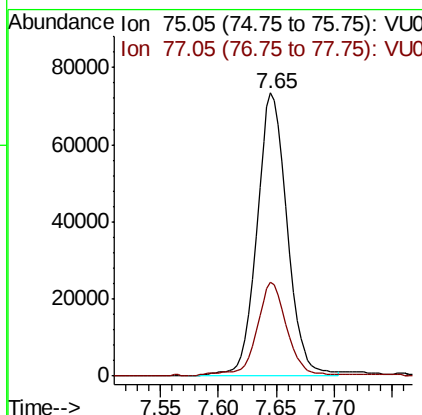
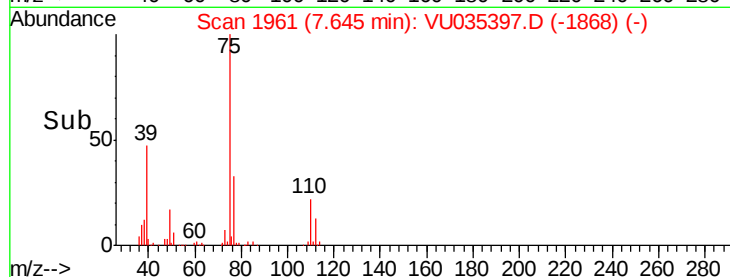
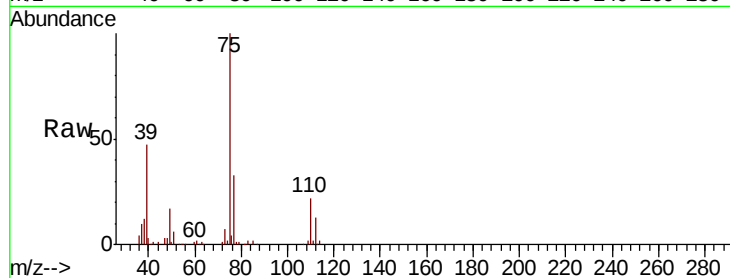




#39
 cis-1,3-Dichloropropene
 Concen: 4.527 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

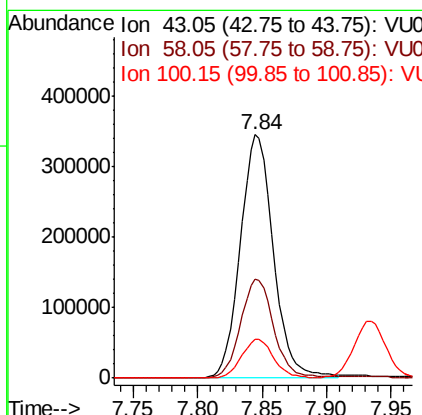
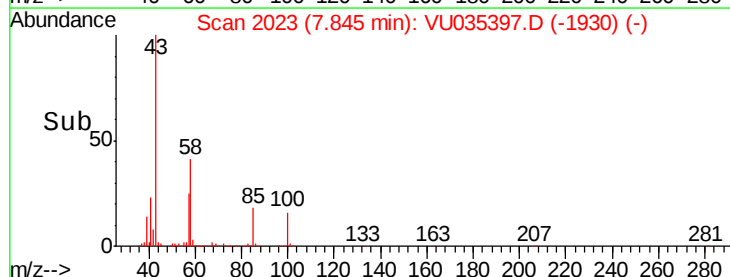
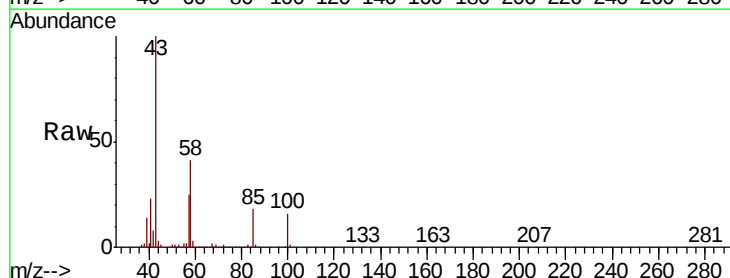
Instrument :
 MSVOA_U
 ClientSampleId :

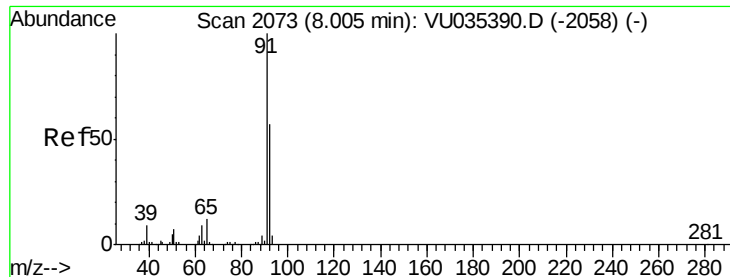
Tot Ion: 75 Resp: 133948
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 51.878 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Tgt Ion: 43 Resp: 619094
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.3 48.5
 100 15.5 13.4 20.2





#42

Toluene

Concen: 5.335 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

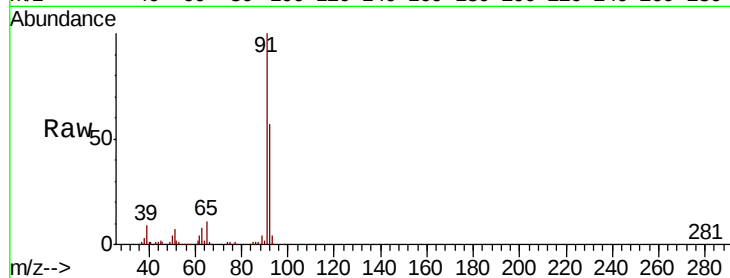
ClientSampled :

Tot Ion: 91 Resp: 410081

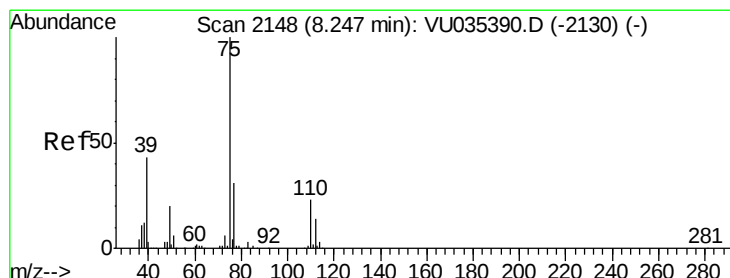
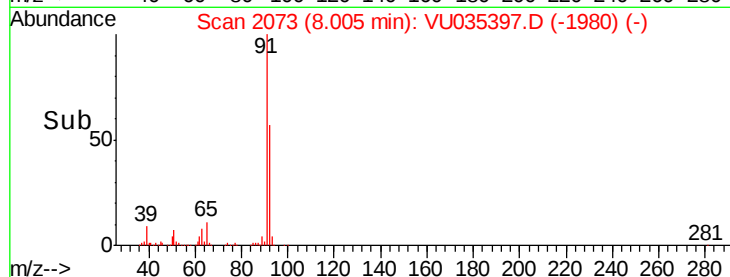
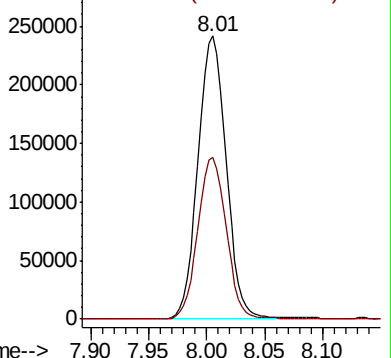
Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035397.D (-1980) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.622 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035397.D

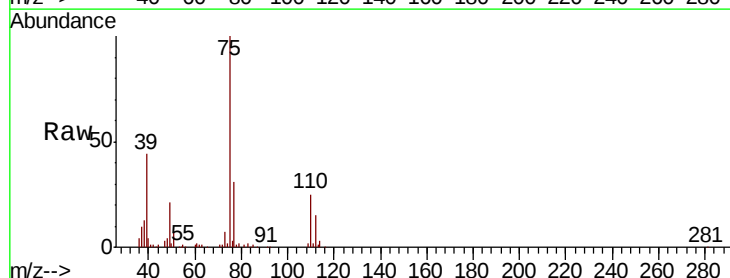
Acq: 23 Oct 2019 07:12

Tgt Ion: 75 Resp: 111756

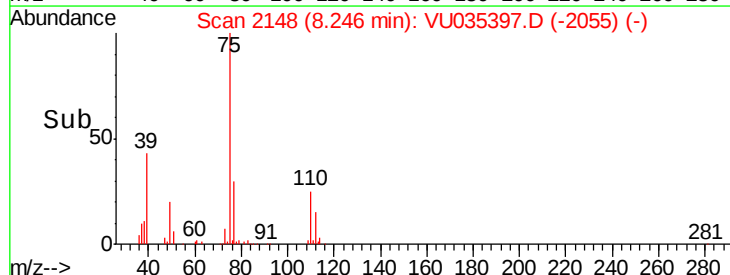
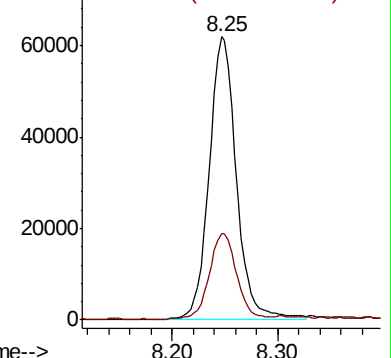
Ion Ratio Lower Upper

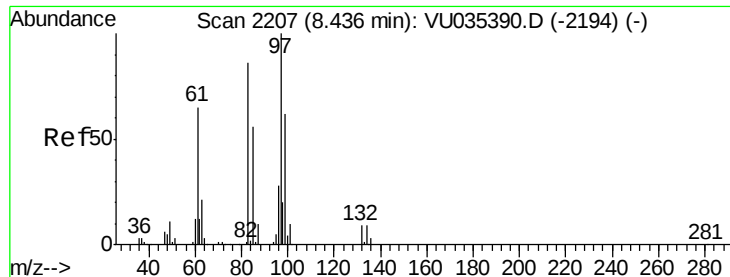
75 100

77 30.6 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VU035397.D (-2055) (-)

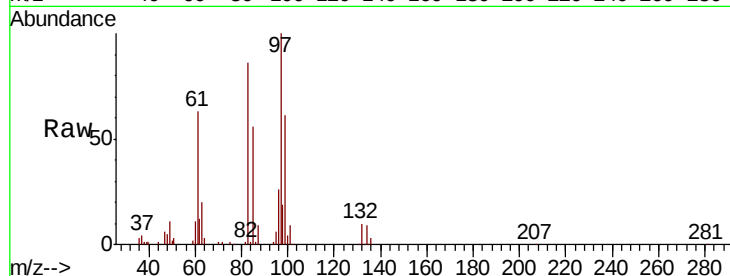




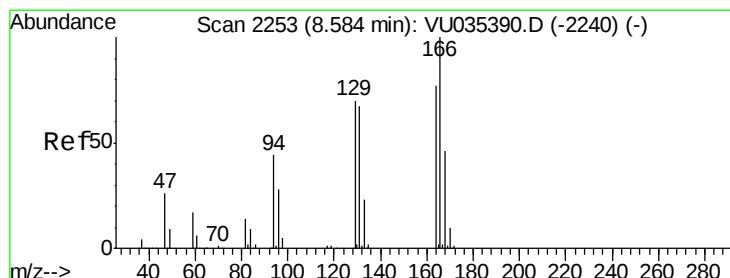
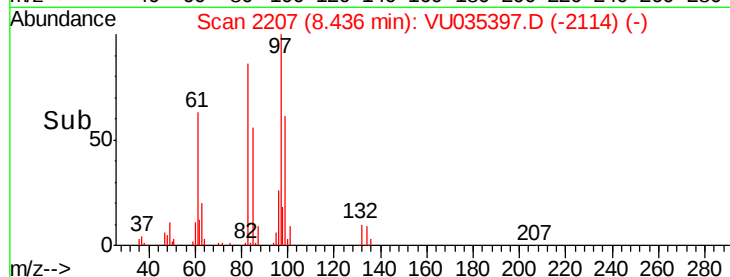
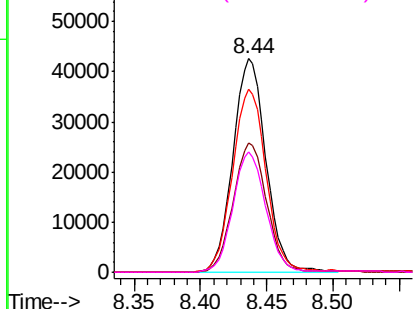
#45
 1,1,2-Trichloroethane
 Concen: 5.625 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	73818
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.9	79.7
83	85.6	60.4	112.2
85	56.4	38.4	71.2

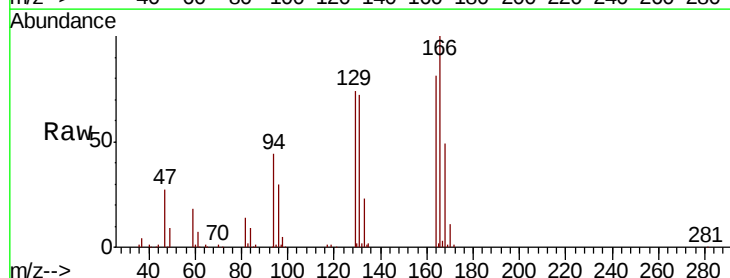


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

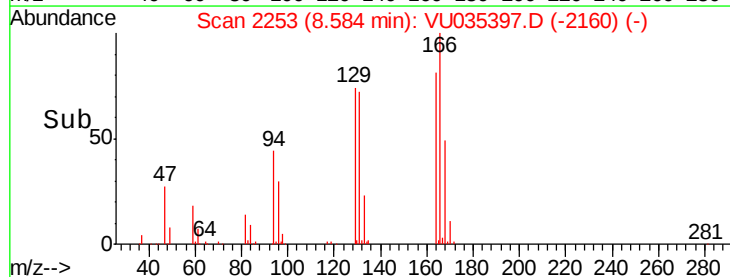
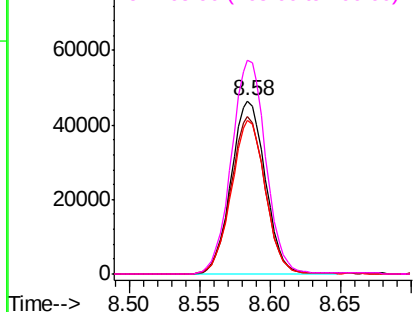


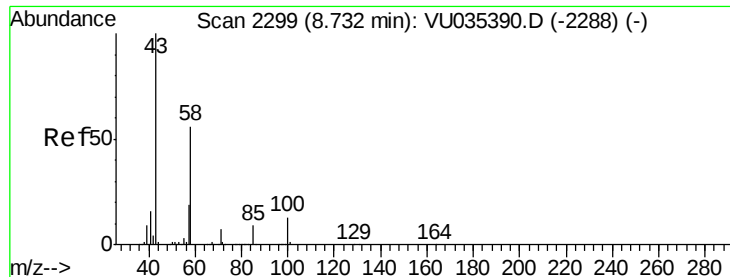
#47
 Tetrachloroethene
 Concen: 5.069 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Tgt Ion:	164	Resp:	79064
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.2	121.0
131	89.0	62.9	116.9
166	123.4	91.5	169.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

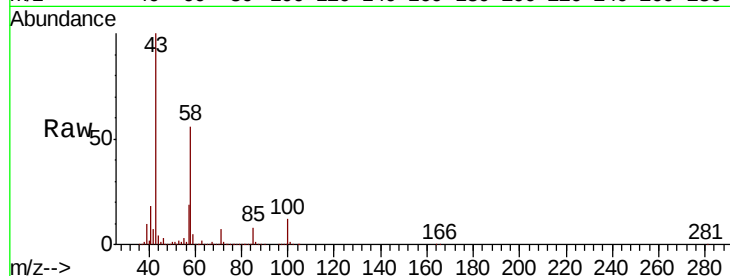




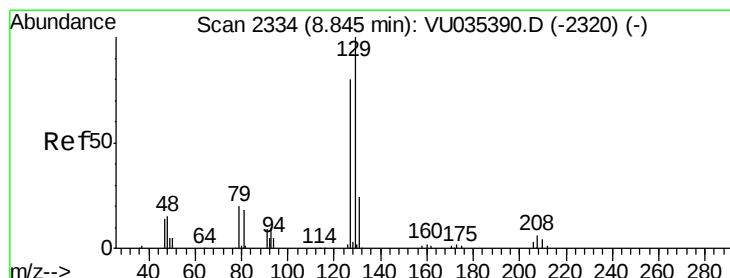
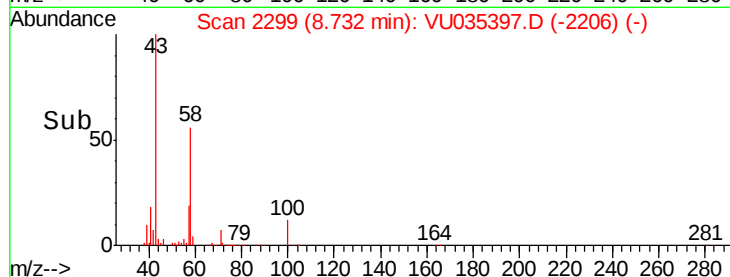
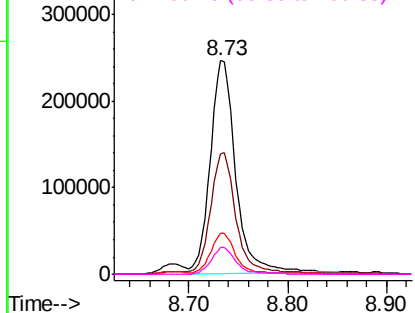
#48
2-Hexanone
Concen: 52.936 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035397.D
Acq: 23 Oct 2019 07:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 443029
Ion Ratio Lower Upper
43 100
58 56.8 45.1 67.7
57 18.1 16.0 24.0
100 12.5 10.4 15.6

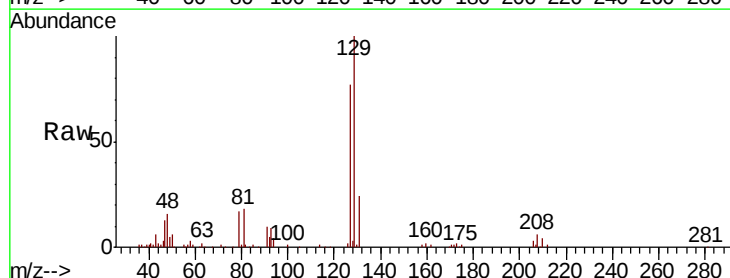


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

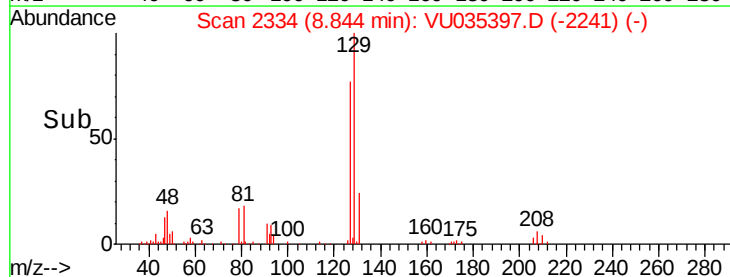
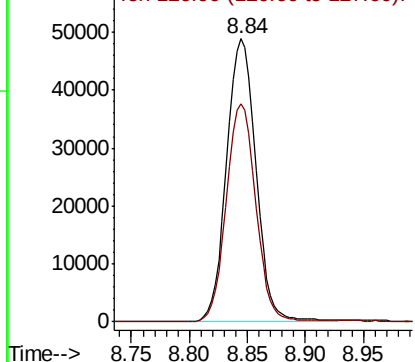


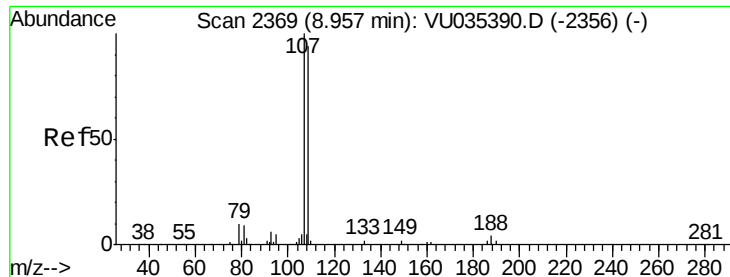
#49
Dibromochloromethane
Concen: 5.164 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035397.D
Acq: 23 Oct 2019 07:12

Tgt Ion: 129 Resp: 85928
Ion Ratio Lower Upper
129 100
127 77.2 53.8 99.8



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

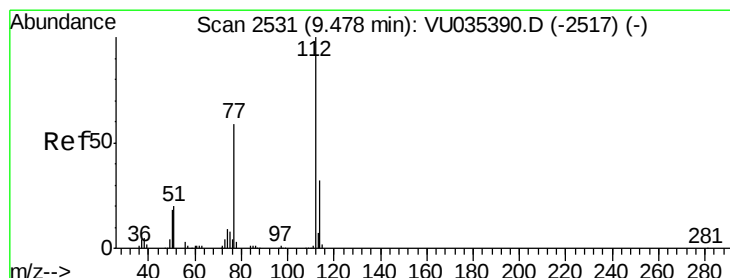
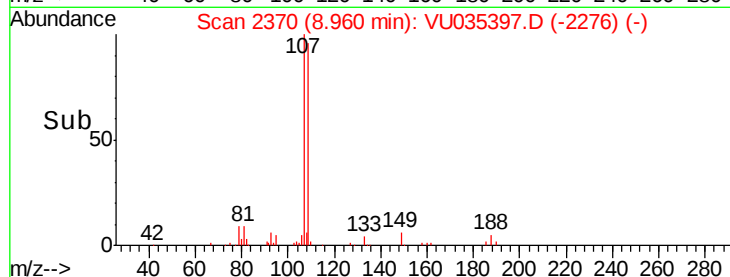
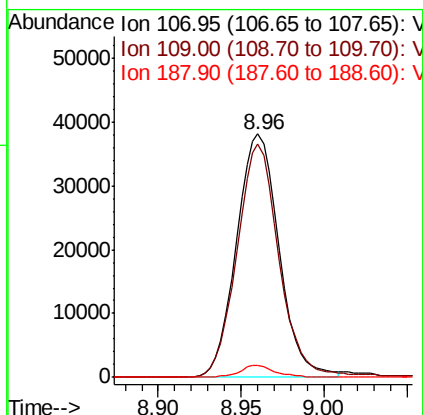
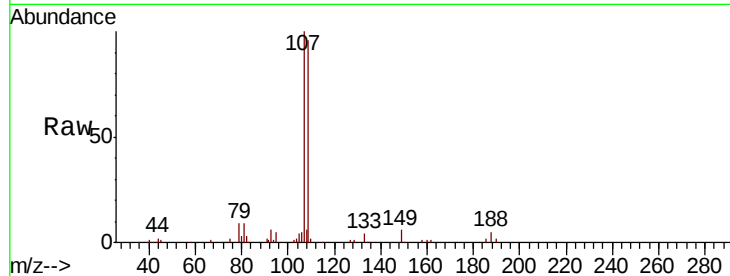




#50
1,2-Dibromoethane
Concen: 5.178 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035397.D
Acq: 23 Oct 2019 07:12

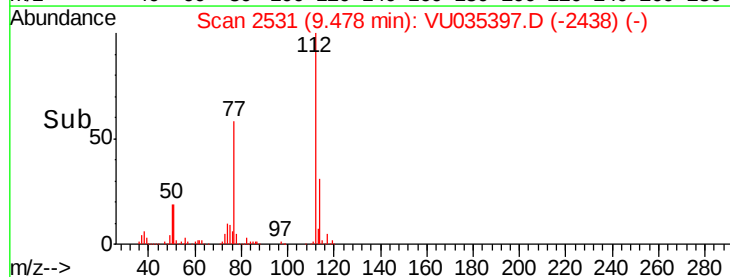
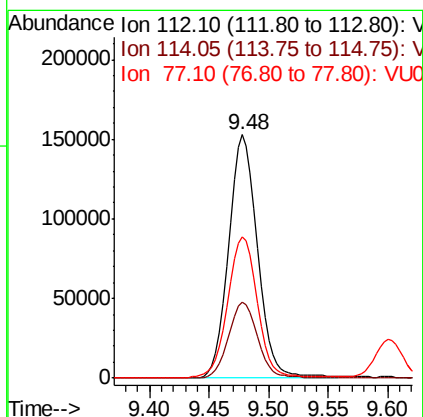
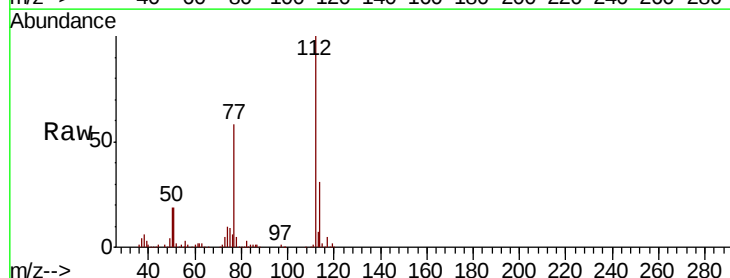
Instrument :
MSVOA_U
ClientSampleId :

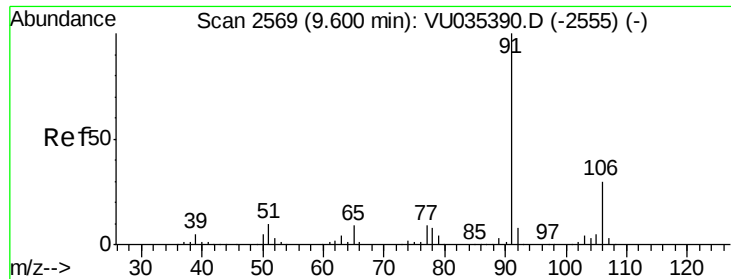
Tot Ion:107 Resp: 67936
Ion Ratio Lower Upper
107 100
109 95.9 66.1 122.8
188 4.8 3.2 4.8#



#51
Chlorobenzene
Concen: 5.192 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035397.D
Acq: 23 Oct 2019 07:12

Tgt Ion:112 Resp: 257699
Ion Ratio Lower Upper
112 100
114 31.0 23.0 42.8
77 58.1 47.5 71.3





#52

Ethylbenzene

Concen: 4.931 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

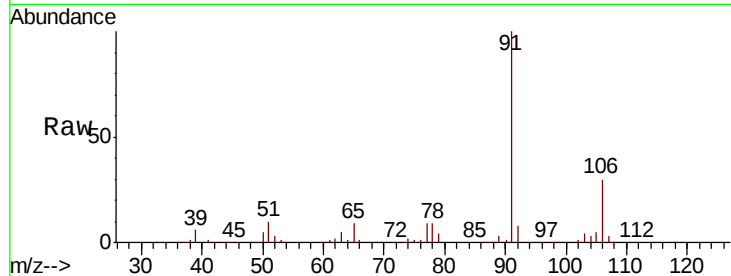
ClientSampleId :

Tot Ion: 91 Resp: 431045

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035397.D (-2555) (-)

Ion 106.15 (105.85 to 106.85): VU035397.D (-2555) (-)

9.60

250000

200000

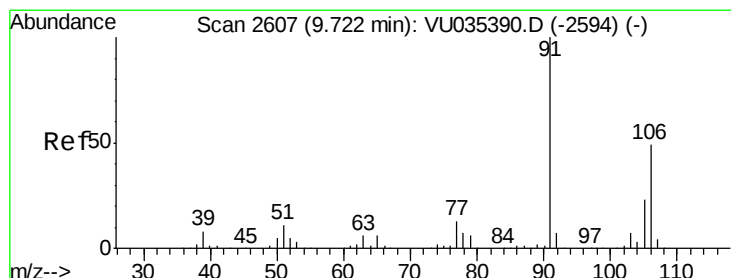
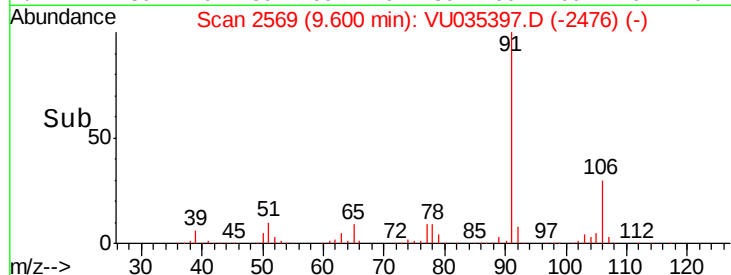
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#53

m,p-Xylene

Concen: 4.948 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035397.D

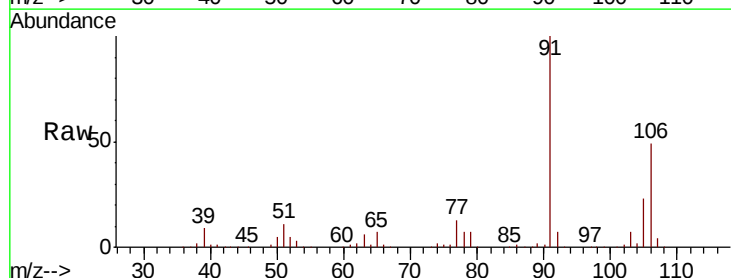
Acq: 23 Oct 2019 07:12

Tgt Ion: 106 Resp: 163324

Ion Ratio Lower Upper

106 100

91 203.8 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): VU035397.D (-2607) (-)

Ion 91.15 (90.85 to 91.85): VU035397.D (-2607) (-)

9.73

300000

250000

200000

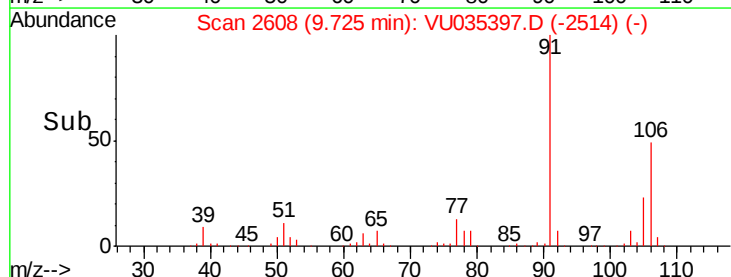
150000

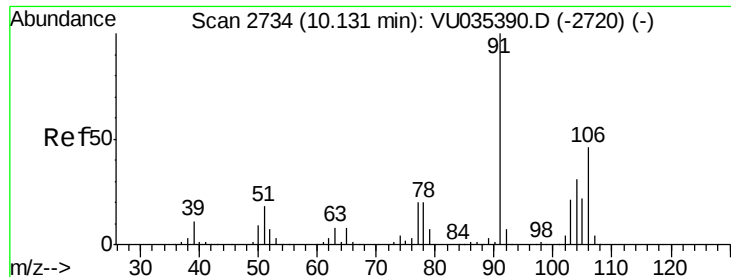
100000

50000

0

Time--> 9.60 9.70 9.80 9.90





#54

o-Xylene

Concen: 4.878 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

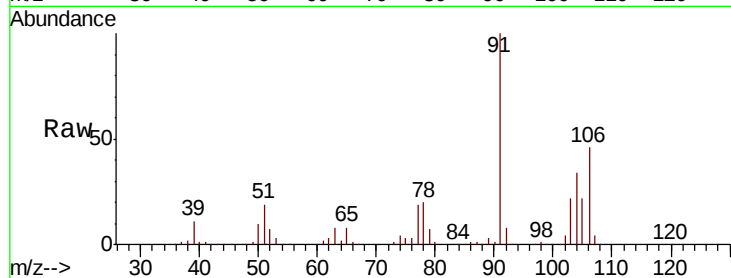
ClientSampled :

Tot Ion:106 Resp: 157140

Ion Ratio Lower Upper

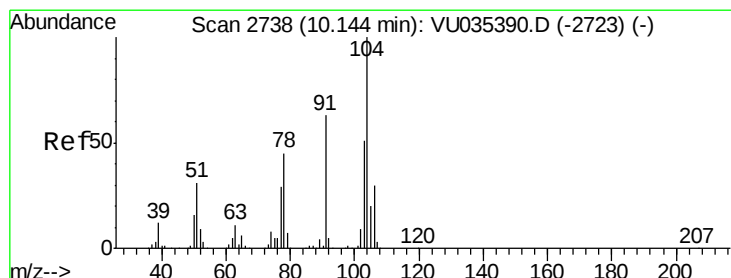
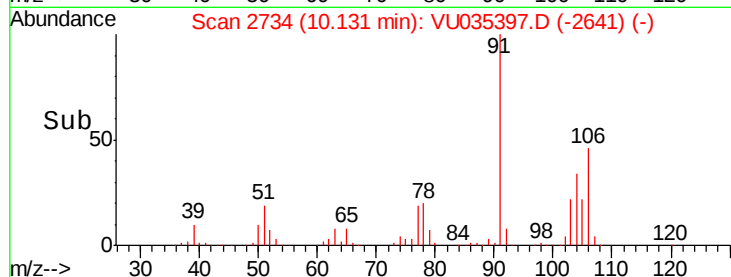
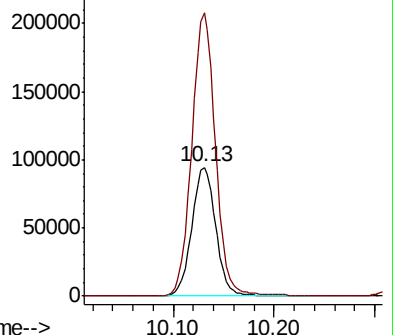
106 100

91 219.7 153.2 284.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.109 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035397.D

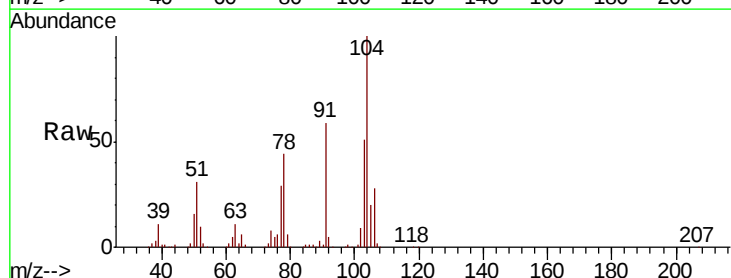
Acq: 23 Oct 2019 07:12

Tgt Ion:104 Resp: 267958

Ion Ratio Lower Upper

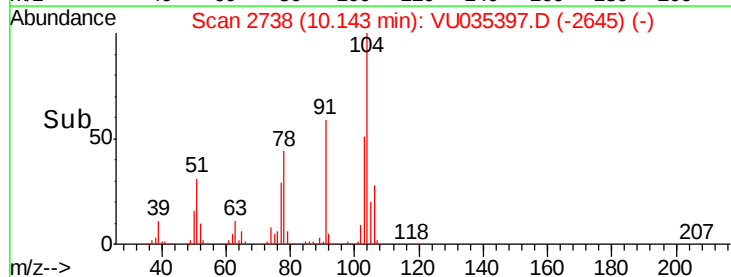
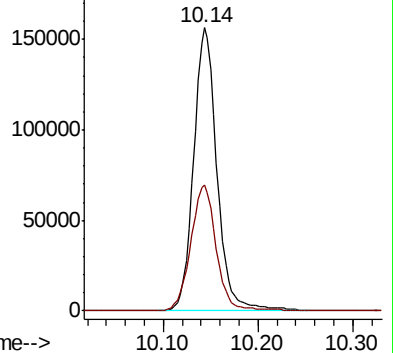
104 100

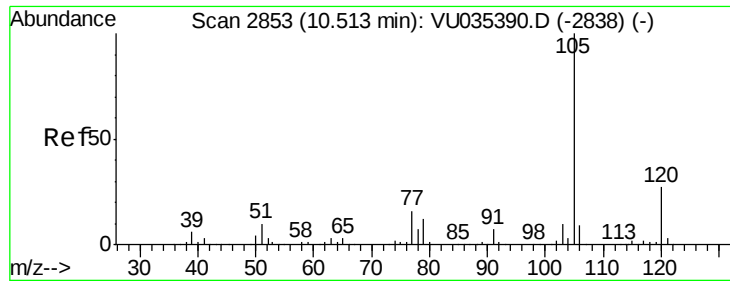
78 44.4 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.746 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

ClientSampled :

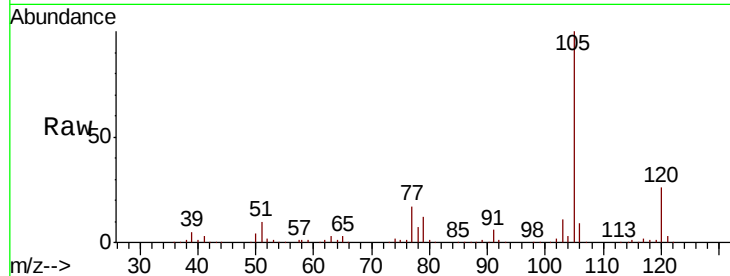
Tot Ion:105 Resp: 411283

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

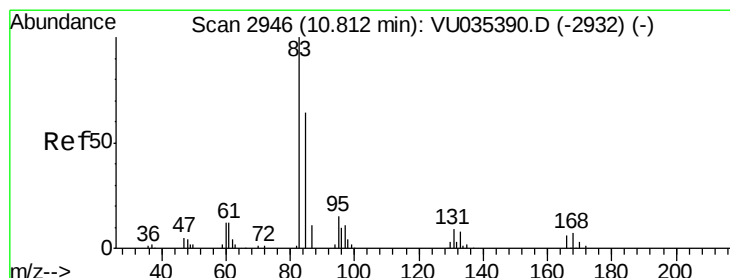
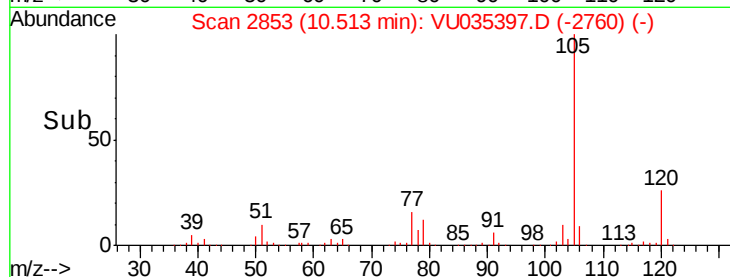
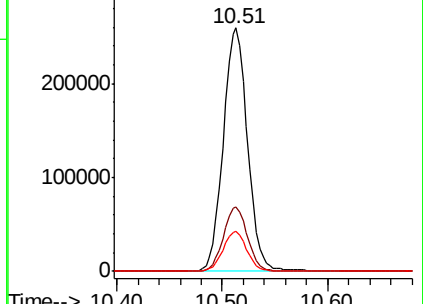
77 16.3 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.706 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

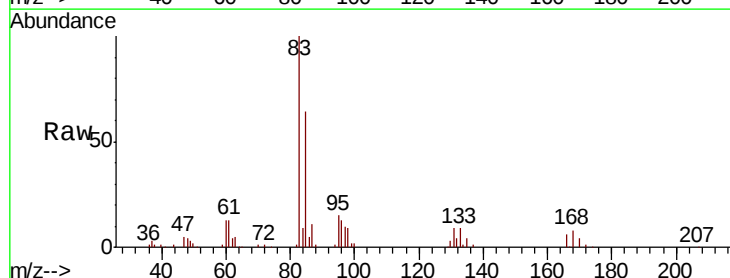
Tgt Ion: 83 Resp: 96368

Ion Ratio Lower Upper

83 100

85 63.9 46.8 86.8

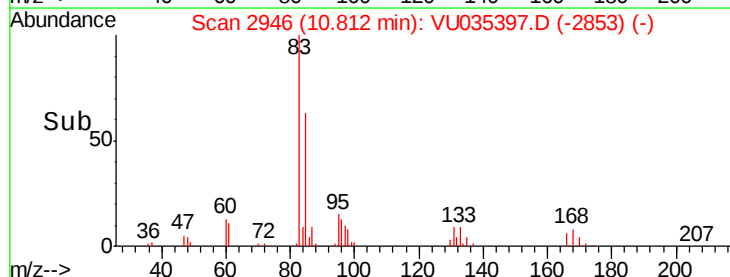
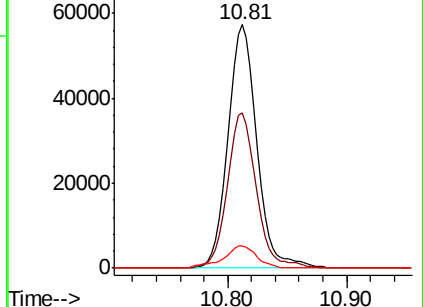
131 9.1 7.5 11.3

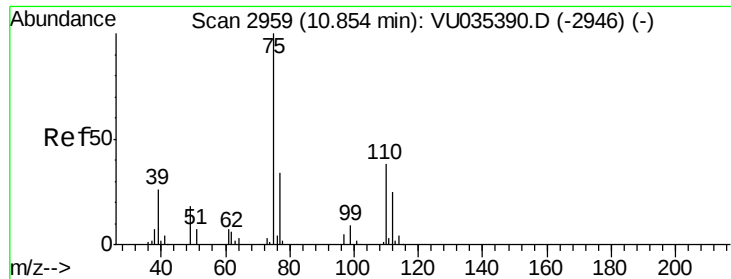


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.598 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

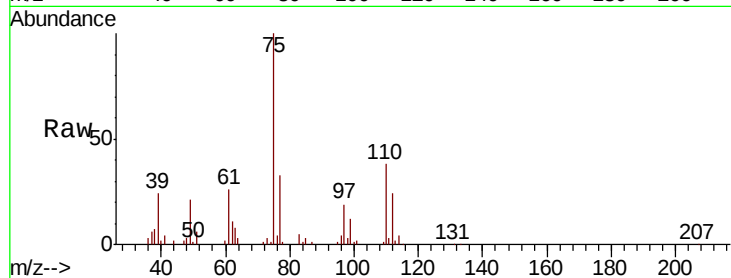
ClientSampleId :

Tot Ion: 75 Resp: 68951

Ion Ratio Lower Upper

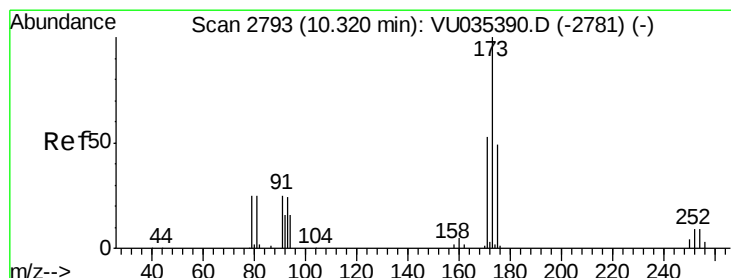
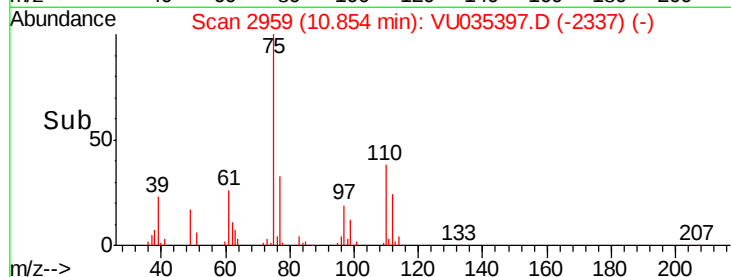
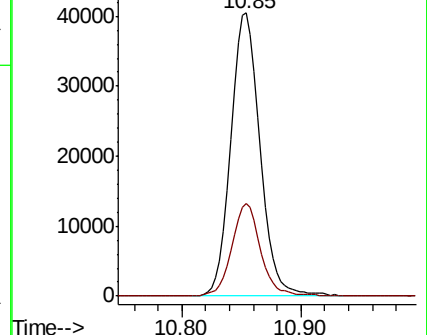
75 100

77 31.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU035397.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU035397.D (-2946) (-)



#61

Bromoform

Concen: 4.722 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

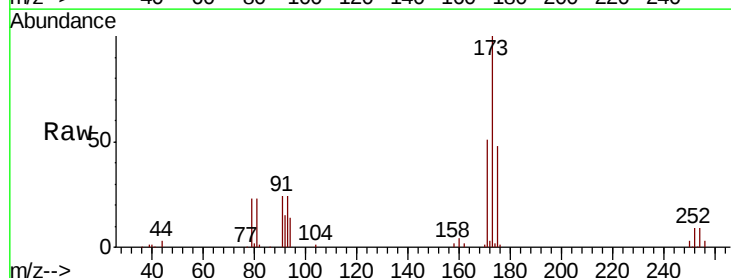
Tgt Ion:173 Resp: 50635

Ion Ratio Lower Upper

173 100

175 47.1 38.8 58.2

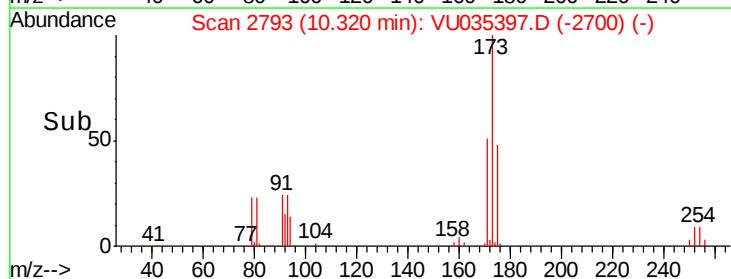
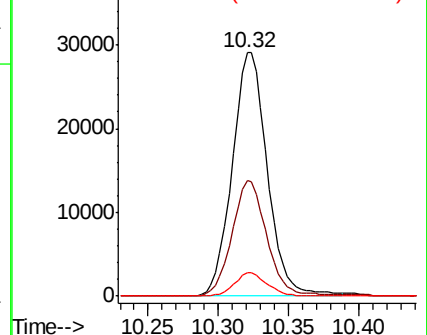
254 8.8 7.5 11.3

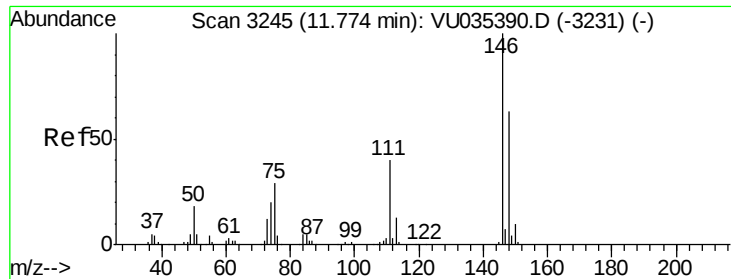


Abundance Ion 172.90 (172.60 to 173.60): VU035397.D (-2781) (-)

Ion 174.90 (174.60 to 175.60): VU035397.D (-2781) (-)

Ion 253.75 (253.45 to 254.45): VU035397.D (-2781) (-)





#62

1,3-Dichlorobenzene

Concen: 5.046 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

ClientSampleId :

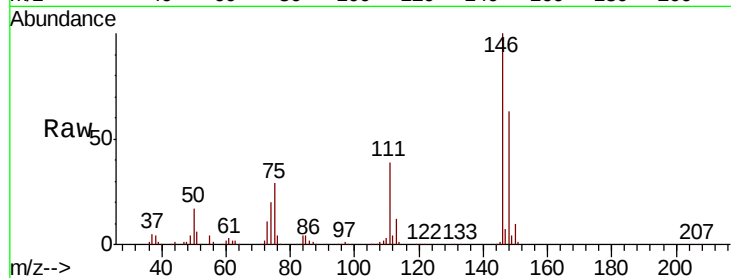
Tot Ion:146 Resp: 199348

Ion Ratio Lower Upper

146 100

111 39.1 27.8 51.6

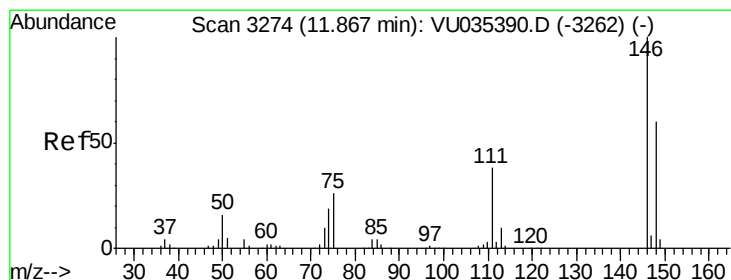
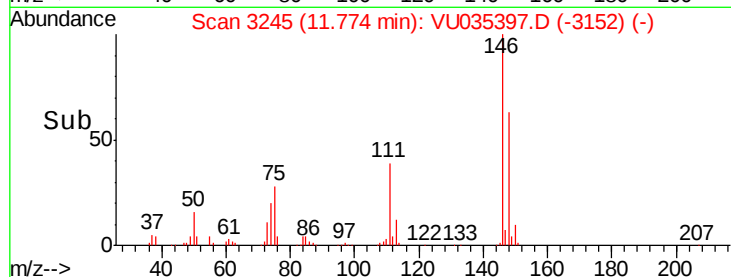
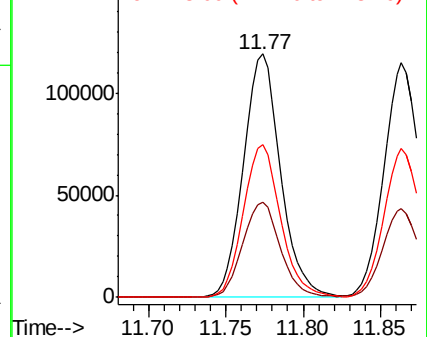
148 62.7 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.957 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

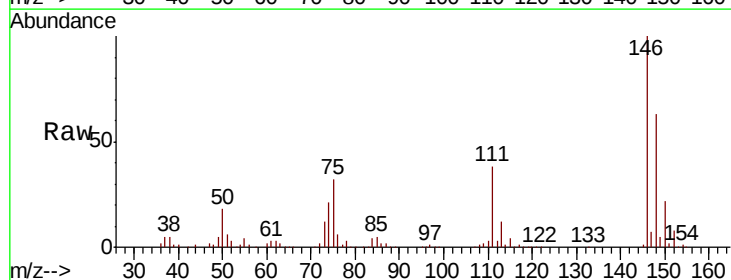
Tgt Ion:146 Resp: 192534

Ion Ratio Lower Upper

146 100

111 37.5 26.4 49.0

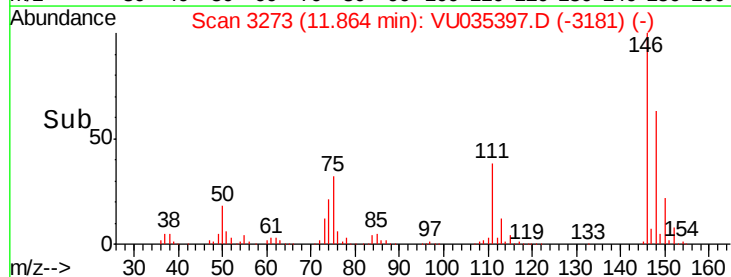
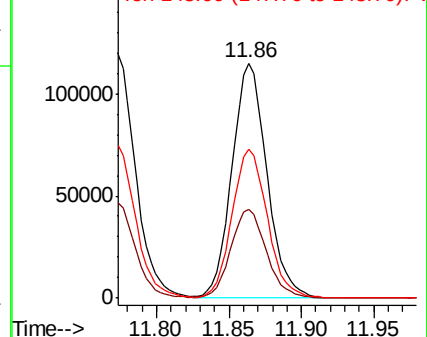
148 63.2 44.7 83.1

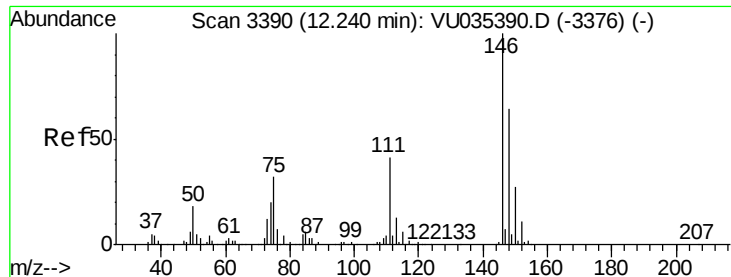


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.017 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

ClientSampleId :

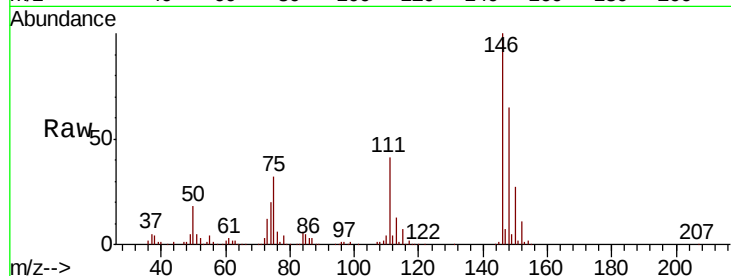
Tot Ion:146 Resp: 186203

Ion Ratio Lower Upper

146 100

111 40.9 33.0 49.6

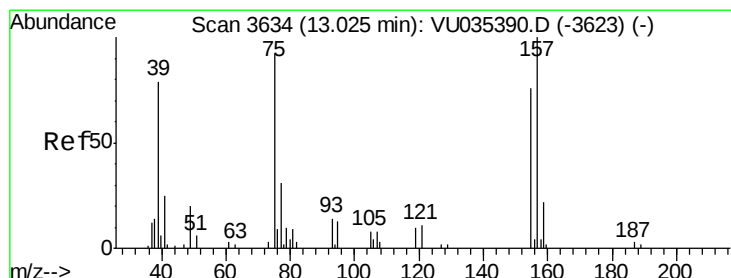
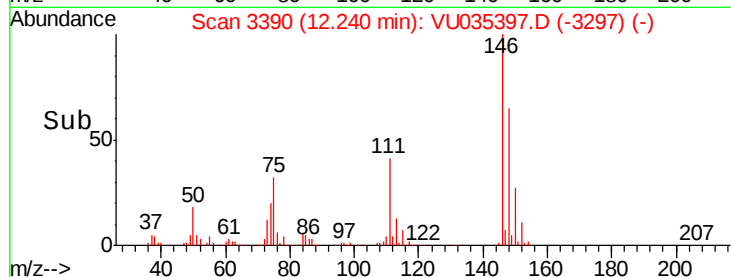
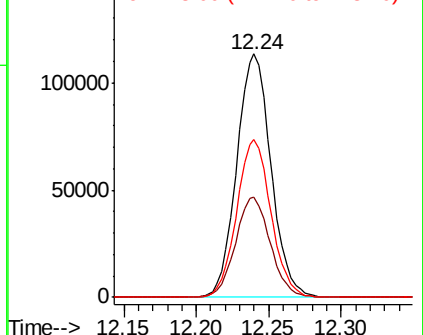
148 64.6 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.973 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

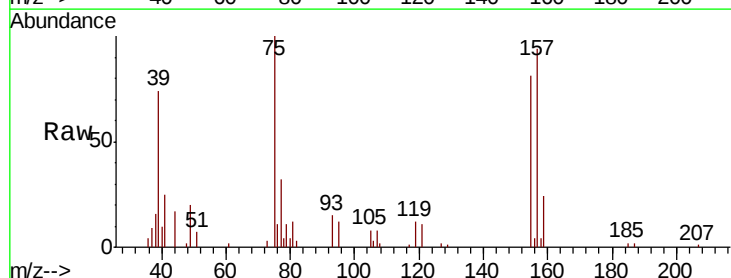
Tgt Ion: 75 Resp: 13037

Ion Ratio Lower Upper

75 100

155 81.0 70.0 105.0

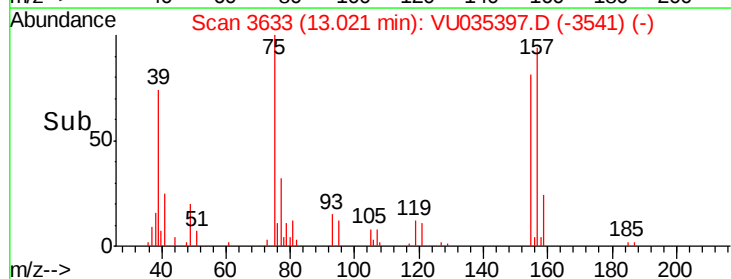
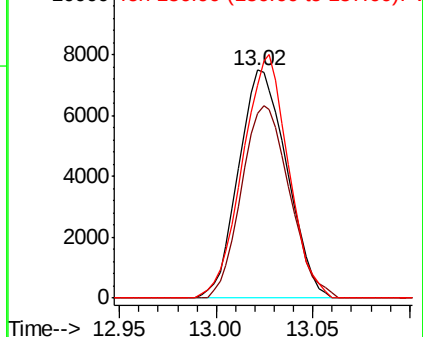
157 93.6 94.7 142.1#

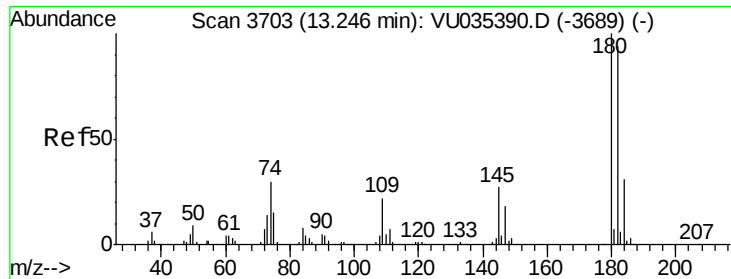


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

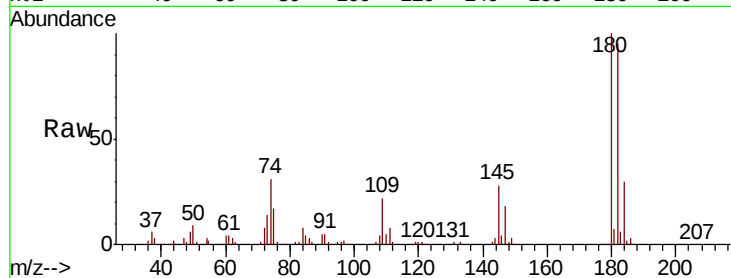




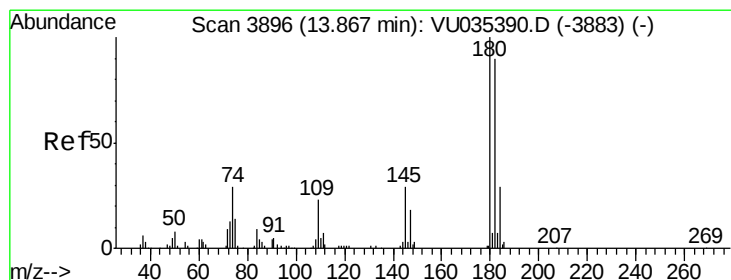
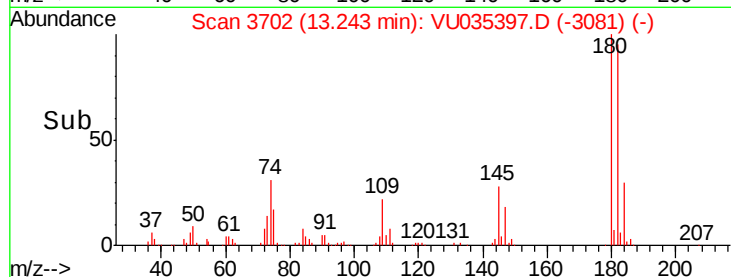
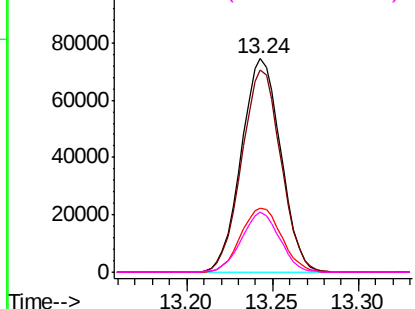
#67
 1,3,5-Trichlorobenzene
 Concen: 4.852 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 118778
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.4 116.2
 184 31.1 23.9 35.9
 145 27.3 22.4 33.6

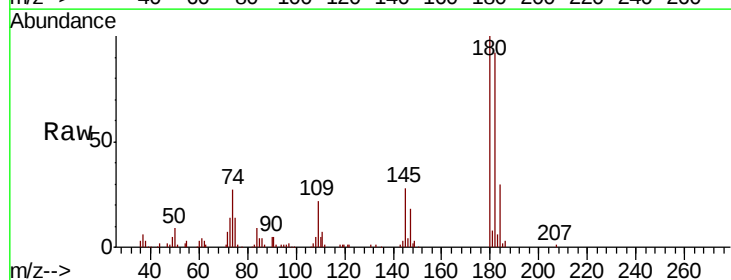


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

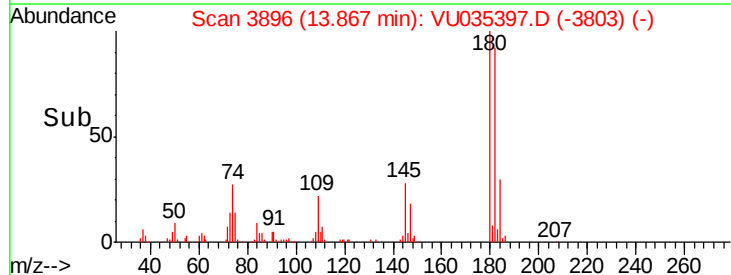
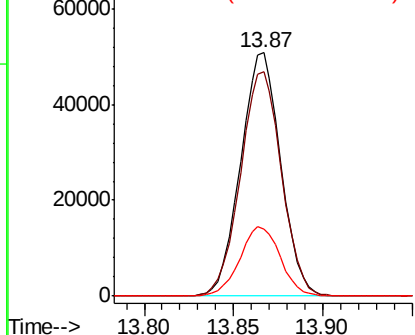


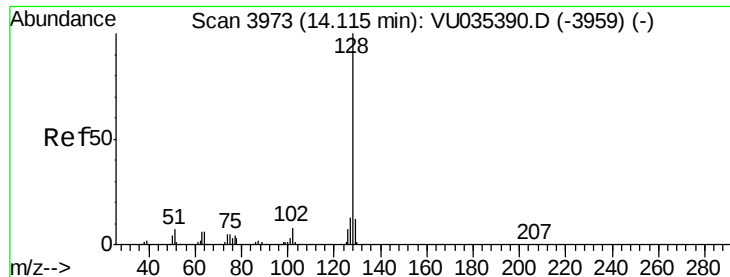
#68
 1,2,4-trichlorobenzene
 Concen: 4.872 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035397.D
 Acq: 23 Oct 2019 07:12

Tgt Ion:180 Resp: 79395
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.9 113.9
 145 28.9 23.4 35.2



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





#69

Naphthalene

Concen: 4.653 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

Instrument :

MSVOA_U

ClientSampleId :

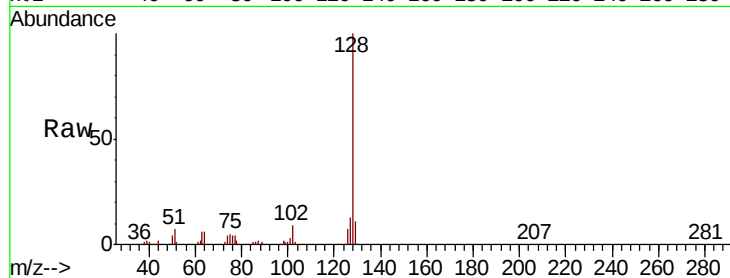
Tot Ion:128 Resp: 104077

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

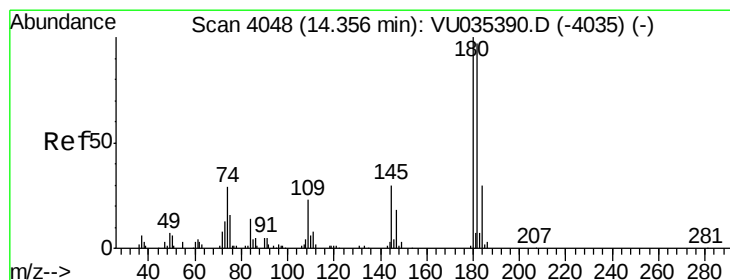
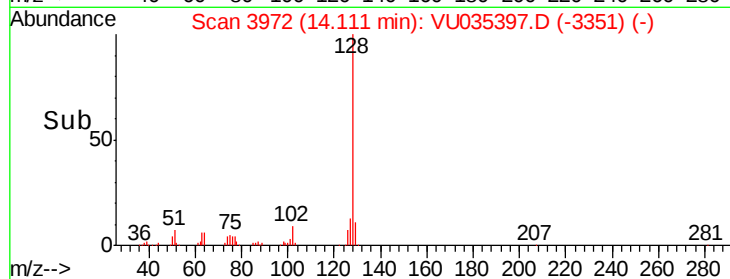
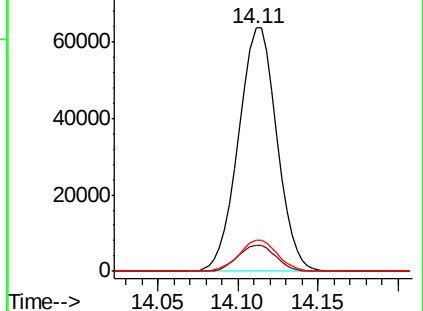
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.322 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035397.D

Acq: 23 Oct 2019 07:12

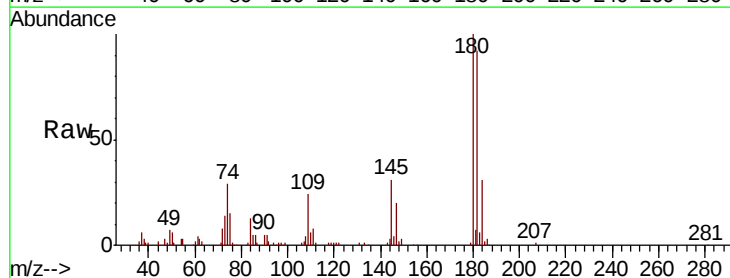
Tgt Ion:180 Resp: 81098

Ion Ratio Lower Upper

180 100

182 94.0 76.0 114.0

145 30.0 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

