

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036493.D
 Acq On : 16 Jan 2020 01:54
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 06:56:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 06:52:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	541276	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	517341	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	241390	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	179350	51.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.22%
7) Chloroethane-d5	1.93	69	157372	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.59	63	333817	49.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.08%
21) 2-Butanone-d5	4.68	46	318833	105.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.67%
24) Chloroform-d	5.11	84	361423	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
26) 1,2-Dichloroethane-d4	5.75	65	245133	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.56%
32) Benzene-d6	5.77	84	701388	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.68%
36) 1,2-Dichloropropane-d6	6.73	67	234194	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.44%
41) Toluene-d8	7.93	98	647223	50.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.16%
43) trans-1,3-Dichloropropene-	8.21	79	120241	50.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.46%
47) 2-Hexanone-d5	8.67	63	248382	110.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.15%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	339304	51.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.52%
64) 1,2-Dichlorobenzene-d4	12.21	152	252452	53.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	211539	42.172	ug/L 100
3) Chloromethane	1.54	50	220560	48.830	ug/L 99
5) Vinyl chloride	1.62	62	223132	49.769	ug/L 100
6) Bromomethane	1.87	94	132791	48.707	ug/L 98
8) Chloroethane	1.95	64	127364	48.023	ug/L 99
9) Trichlorofluoromethane	2.16	101	272453	44.618	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	132404	41.011	ug/L 97
12) 1,1-Dichloroethene	2.61	96	155111	48.485	ug/L 96
13) Acetone	2.66	43	283886	86.939	ug/L 99
14) Carbon disulfide	2.82	76	476949	46.095	ug/L 99
15) Methyl Acetate	2.99	43	218499	50.037	ug/L 98
16) Methylene chloride	3.08	84	199075	50.578	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	173390	49.436	ug/L 98
18) Methyl tert-butyl Ether	3.41	73	623764	52.187	ug/L 99
19) 1,1-Dichloroethane	3.92	63	334483	50.514	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	209918	52.201	ug/L 91
22) 2-Butanone	4.76	43	354233	95.594	ug/L 98

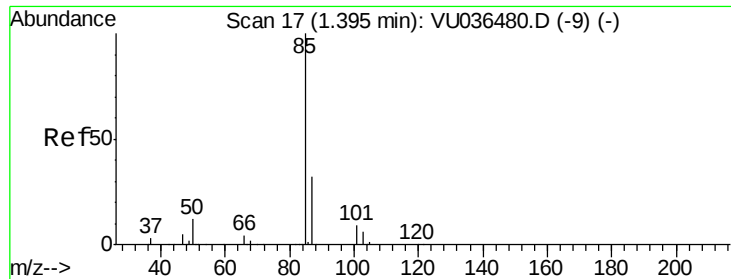
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036493.D
 Acq On : 16 Jan 2020 01:54
 Operator : JC/MD
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Quant Time: Jan 16 06:56:00 2020
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 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 06:52:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	101087	52.034	ug/L	96
25) Chloroform	5.13	83	369258	52.291	ug/L	99
27) 1,2-Dichloroethane	5.84	62	288326	51.552	ug/L	98
29) Cyclohexane	5.43	56	243387	39.225	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	302101	49.168	ug/L	98
31) Carbon tetrachloride	5.57	117	251136	47.690	ug/L	96
33) Benzene	5.82	78	748016	50.319	ug/L	100
34) Trichloroethene	6.58	95	211616	52.719	ug/L	95
35) Methylcyclohexane	6.80	83	235717	38.142	ug/L	98
37) 1,2-Dichloropropane	6.83	63	198148	50.293	ug/L	99
38) Bromodichloromethane	7.14	83	273759	50.489	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	311226	48.795	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	637052	100.512	ug/L	98
42) Toluene	8.00	91	796870	49.354	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	296950	50.258	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	196478	52.173	ug/L	98
46) Tetrachloroethene	8.58	164	127740	47.310	ug/L	94
48) 2-Hexanone	8.72	43	498542	99.454	ug/L	99
49) Dibromochloromethane	8.84	129	221840	52.958	ug/L	99
50) 1,2-Dibromoethane	8.95	107	221434	51.871	ug/L	98
51) Chlorobenzene	9.47	112	510224	50.254	ug/L	98
52) Ethylbenzene	9.60	91	864271	47.925	ug/L	99
53) m,p-Xylene	9.72	106	334113	49.544	ug/L	98
54) o-xylene	10.13	106	333650	49.559	ug/L	97
55) Styrene	10.14	104	564800	51.727	ug/L	99
56) Isopropylbenzene	10.51	105	821219	47.527	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	304420	46.485	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	278117	51.190	ug/L	99
61) Bromoform	10.32	173	158860	48.324	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	378217	49.758	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	372706	48.798	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	382786	51.055	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	85146	51.642	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	243020	52.872	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	211632	62.479	ug/L	98
69) Naphthalene	14.10	128	888041	77.586	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	224957	64.017	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 42.172 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

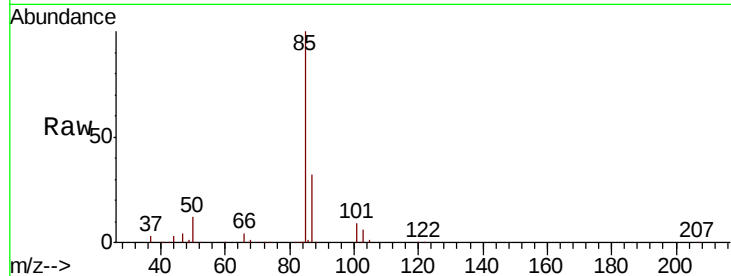
ClientSampleId :

Tot Ion: 85 Resp: 211539

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036480.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036480.D (-9) (-)

1.39

250000

200000

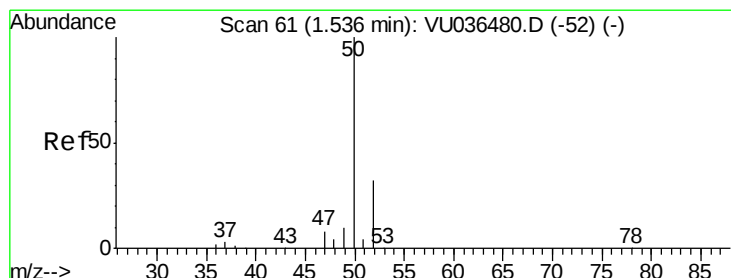
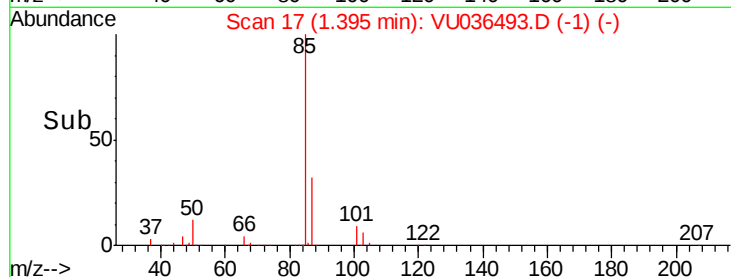
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.830 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036493.D

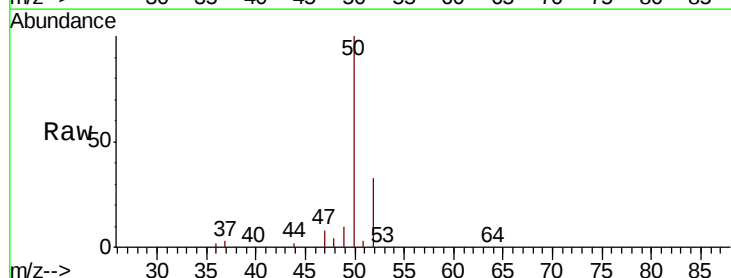
Acq: 16 Jan 2020 01:54

Tgt Ion: 50 Resp: 220560

Ion Ratio Lower Upper

50 100

52 33.1 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036480.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036480.D (-52) (-)

1.54

200000

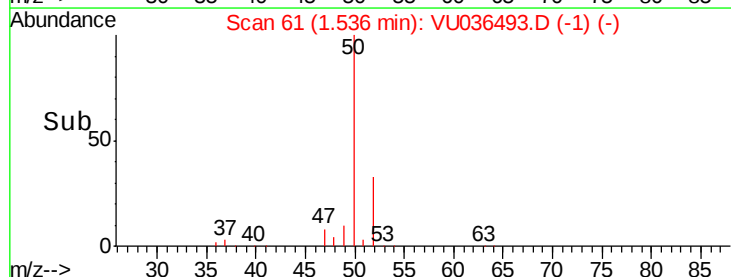
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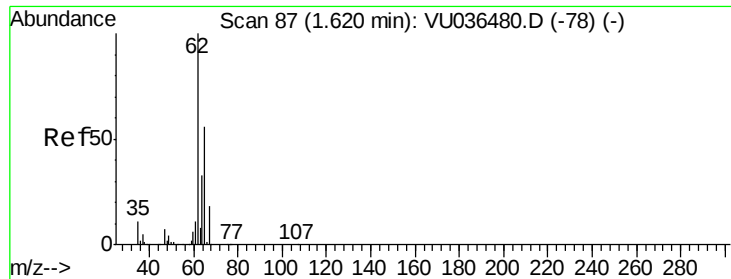
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.769 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

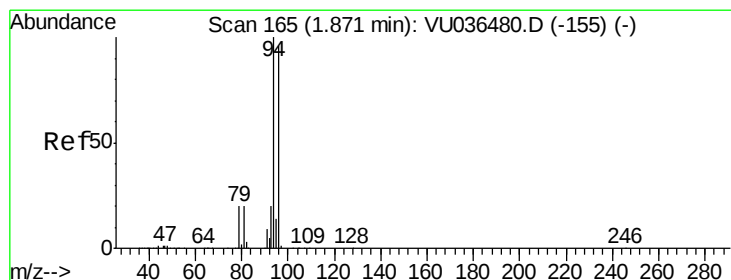
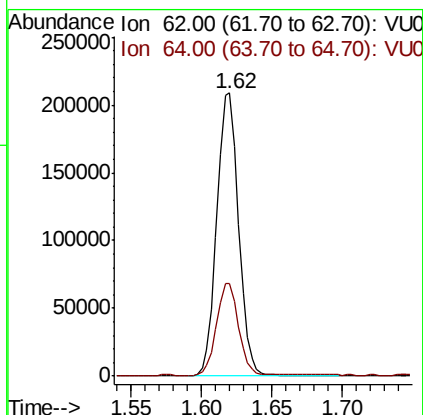
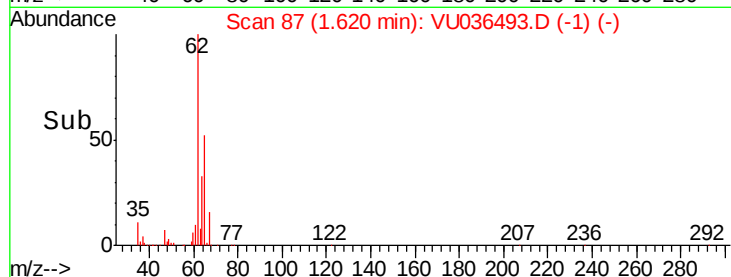
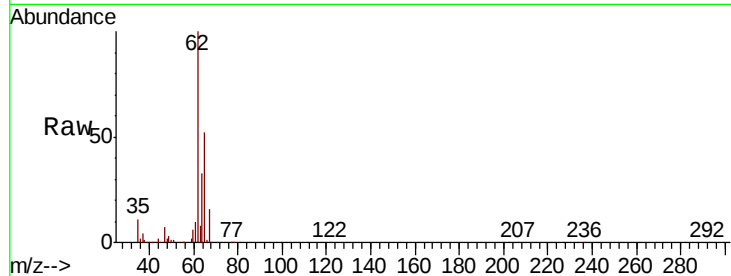
ClientSampleId :

Tot Ion: 62 Resp: 223132

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 48.707 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036493.D

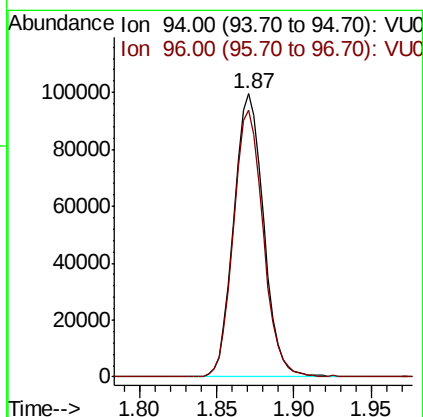
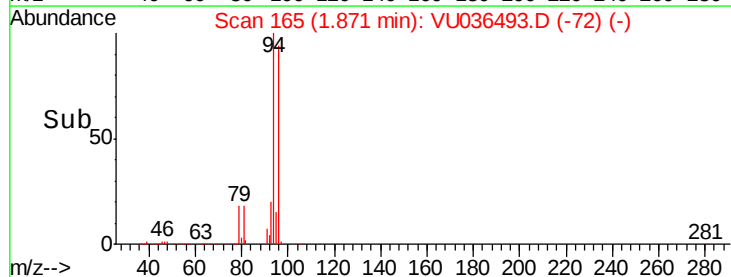
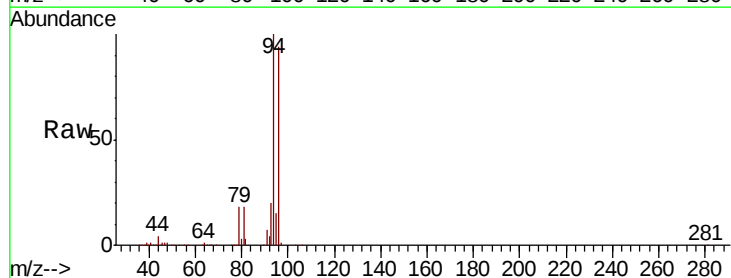
Acq: 16 Jan 2020 01:54

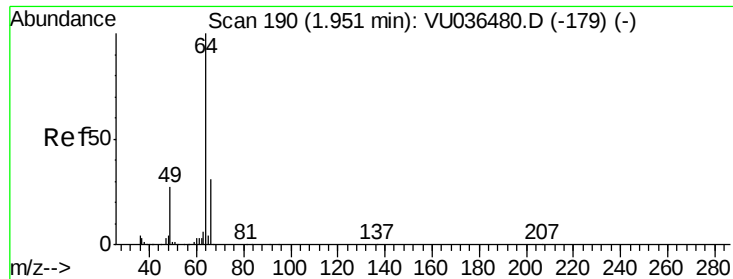
Tgt Ion: 94 Resp: 132791

Ion Ratio Lower Upper

94 100

96 94.1 67.1 124.7

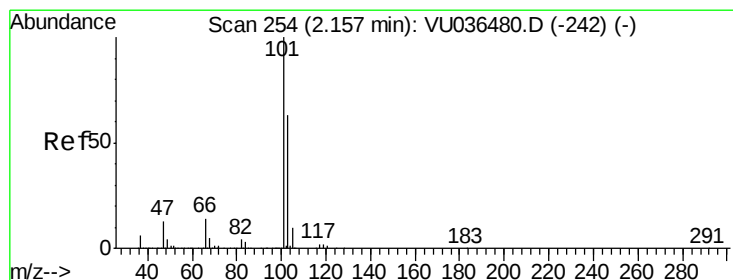
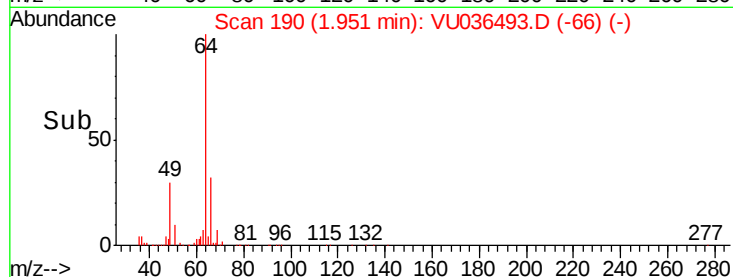
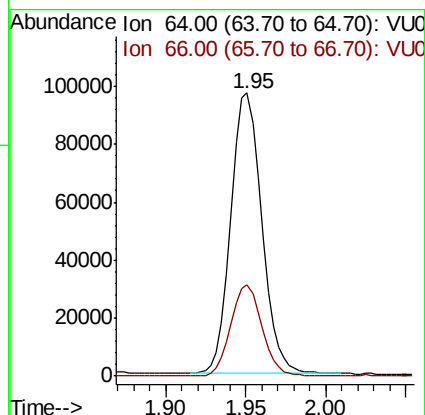
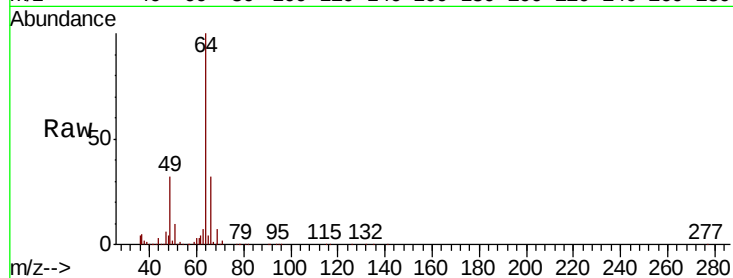




#8
Chloroethane
Concen: 48.023 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

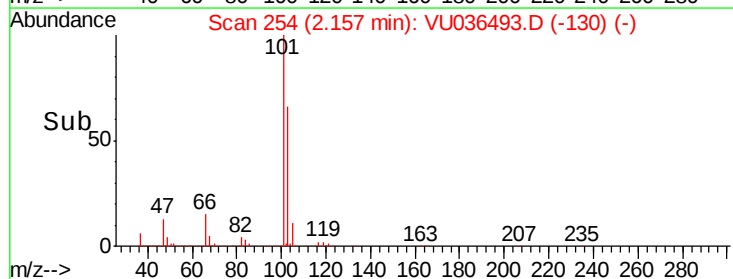
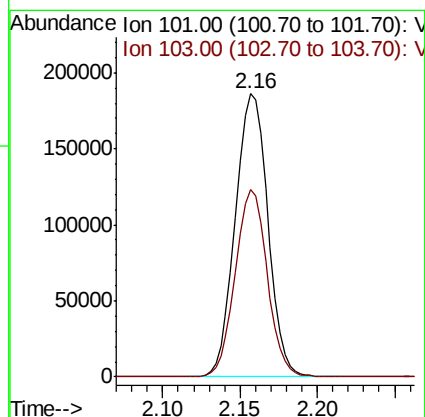
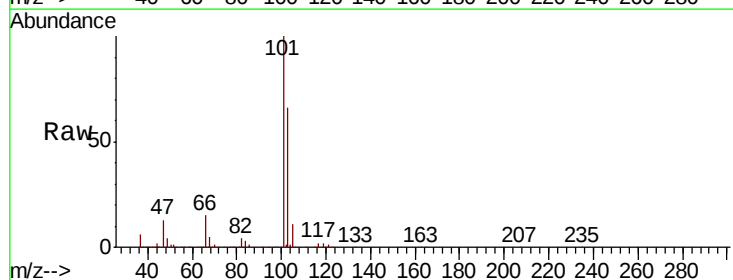
Instrument :
MSVOA_U
ClientSampleId :

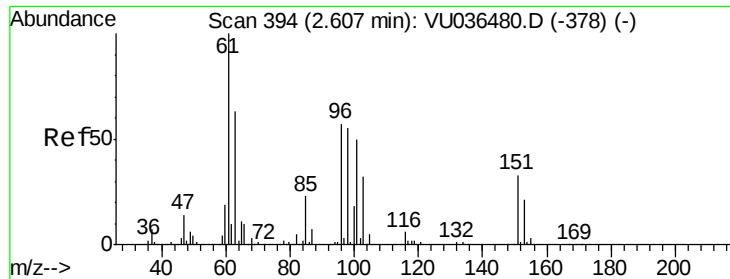
Tot Ion: 64 Resp: 127364
Ion Ratio Lower Upper
64 100
66 32.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 44.618 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

Tgt Ion:101 Resp: 272453
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0





#10

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

Concen: 41.011 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

ClientSampled :

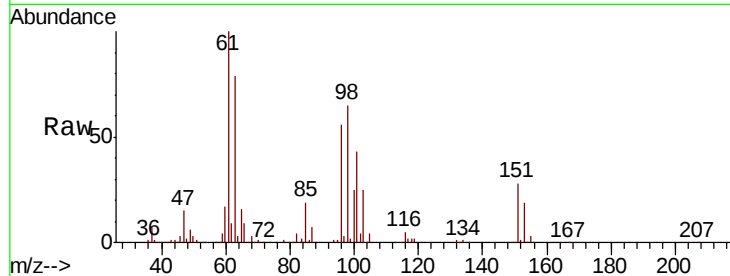
Tot Ion:101 Resp: 132404

Ion Ratio Lower Upper

101 100

85 46.4 36.7 55.1

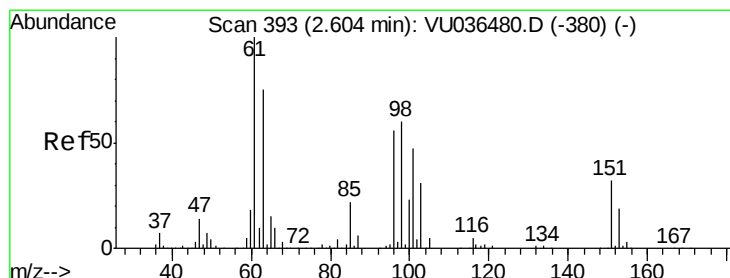
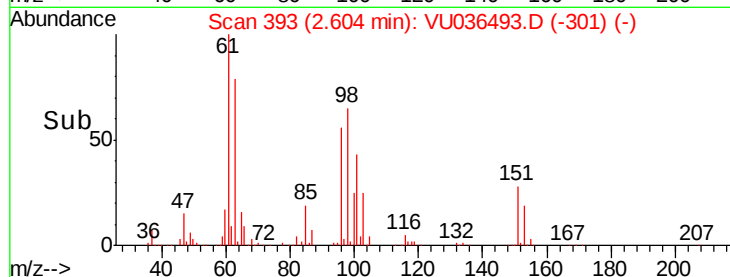
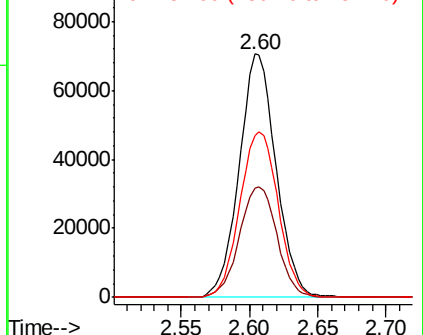
151 70.7 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.485 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

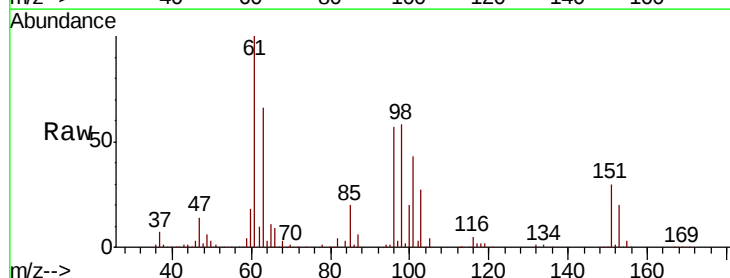
Tgt Ion: 96 Resp: 155111

Ion Ratio Lower Upper

96 100

61 174.8 128.2 238.2

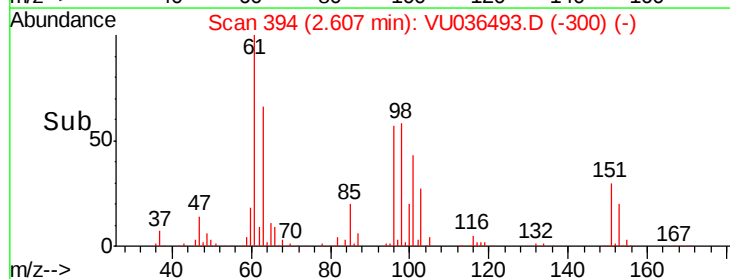
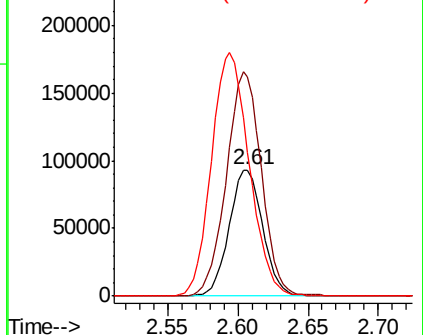
63 114.8 79.1 146.9

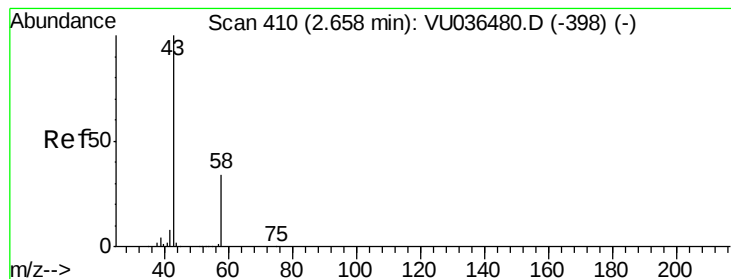


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 86.939 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

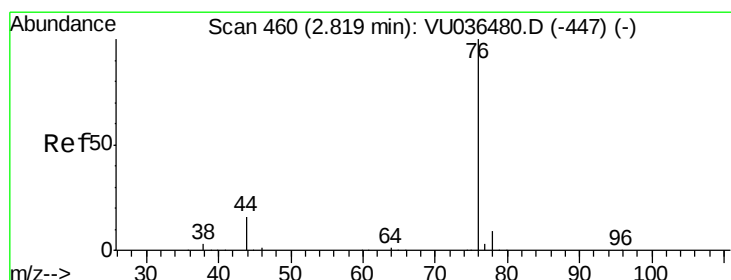
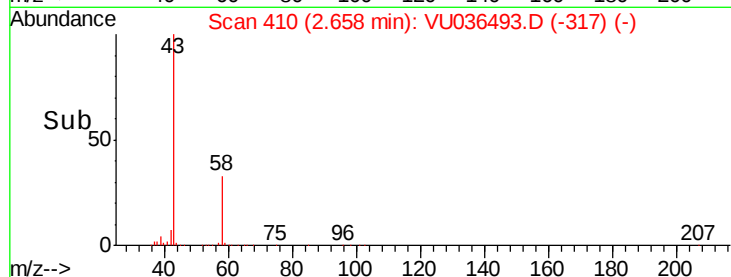
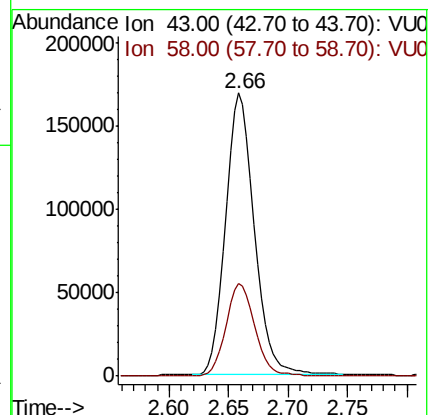
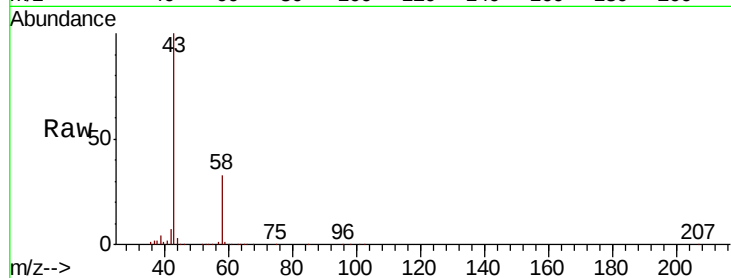
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 283886

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.0



#14

Carbon disulfide

Concen: 46.095 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036493.D

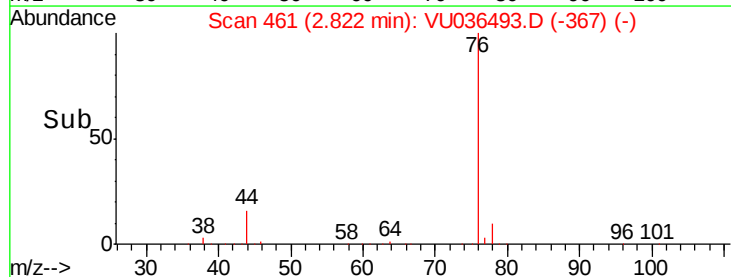
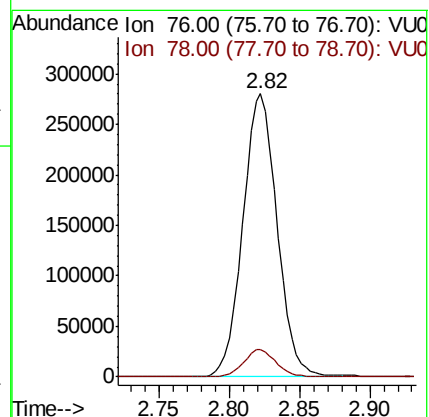
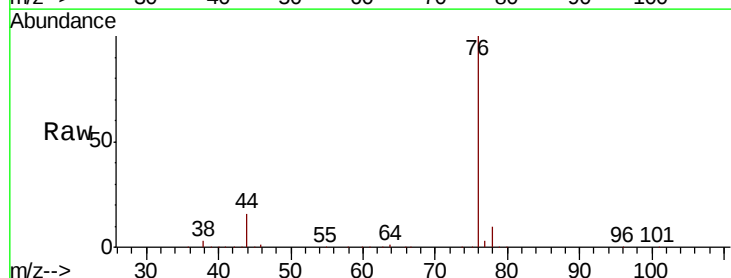
Acq: 16 Jan 2020 01:54

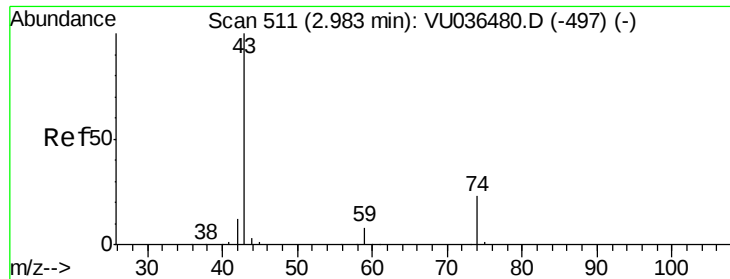
Tgt Ion: 76 Resp: 476949

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

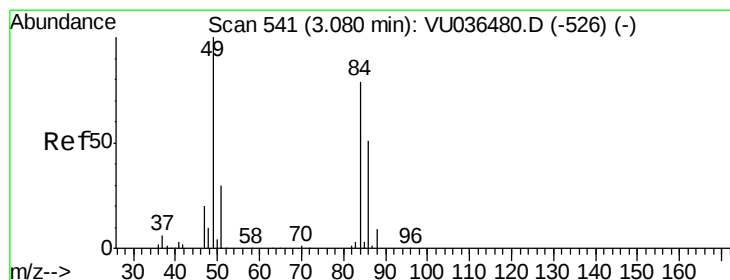
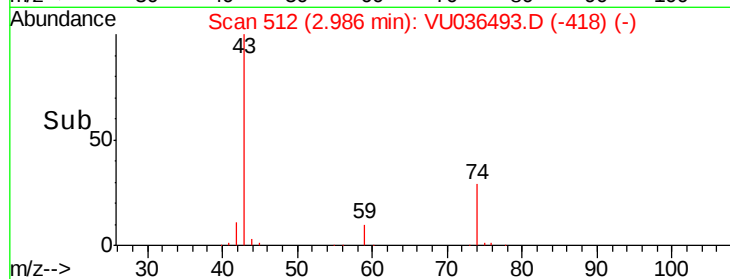
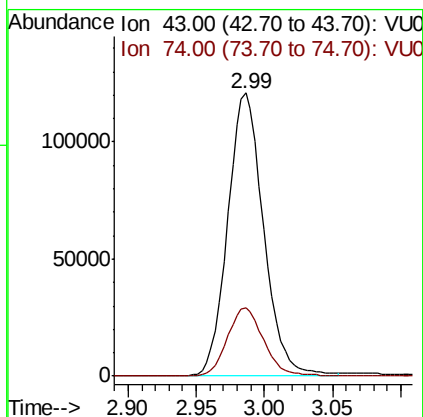
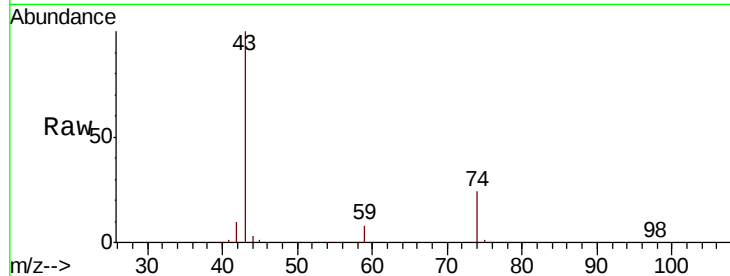




#15
Methvl Acetate
Concen: 50.037 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

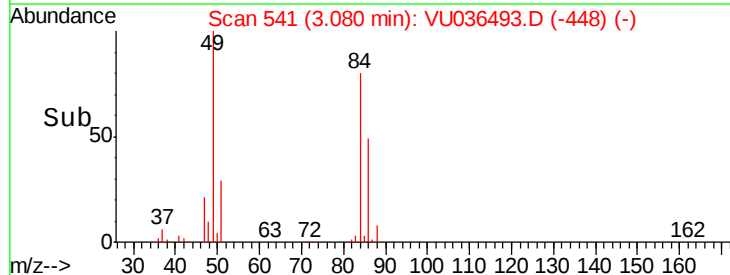
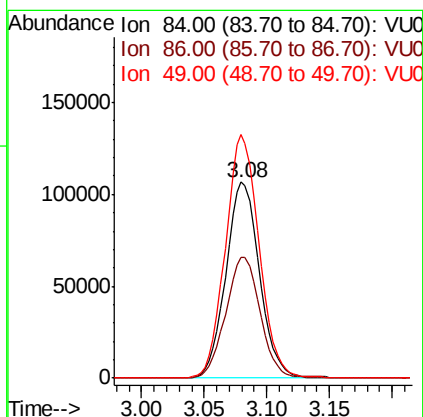
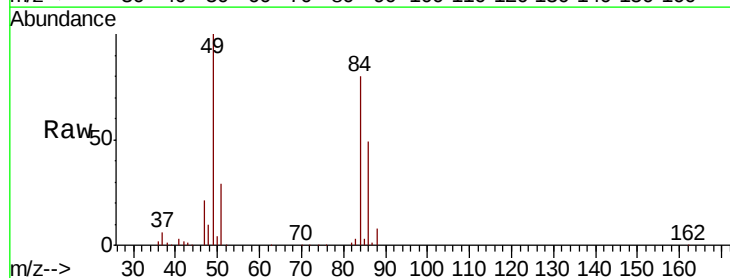
Instrument :
MSVOA_U
ClientSampled :

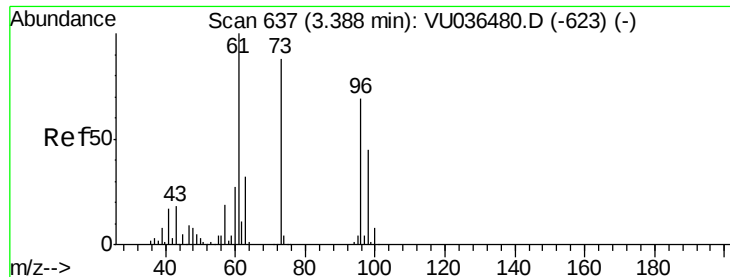
Tot Ion: 43 Resp: 218499
Ion Ratio Lower Upper
43 100
74 24.8 19.0 28.4



#16
Methylene chloride
Concen: 50.578 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

Tgt Ion: 84 Resp: 199075
Ion Ratio Lower Upper
84 100
86 61.4 46.4 86.2
49 124.4 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 49.436 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

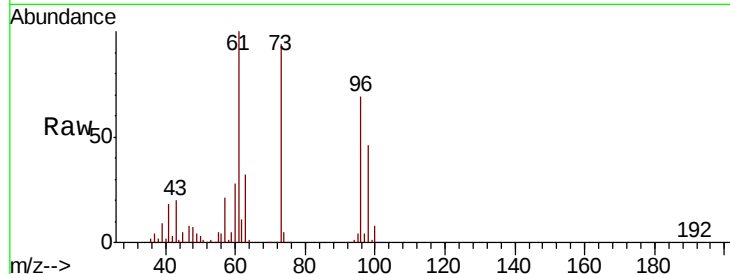
Tot Ion: 96 Resp: 173390

Ion Ratio Lower Upper

96 100

61 145.9 102.8 191.0

98 66.8 44.9 83.5

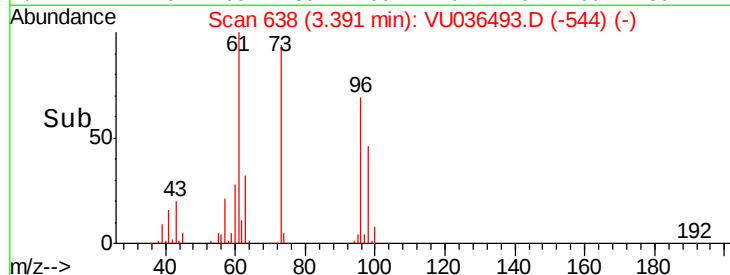


Abundance Ion 96.00 (95.70 to 96.70): VU036480.D (-623) (-)

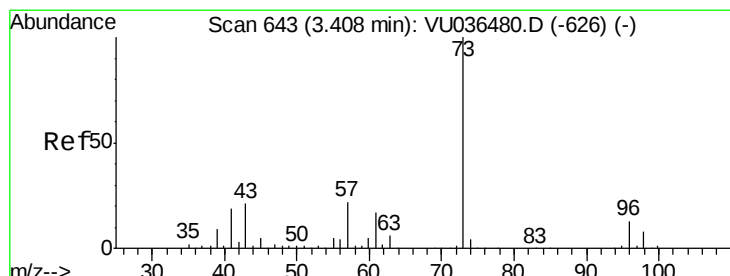
Ion 61.00 (60.70 to 61.70): VU036480.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU036480.D (-623) (-)

3.39



Time-->



#18

Methyl tert-butyl Ether

Concen: 52.187 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

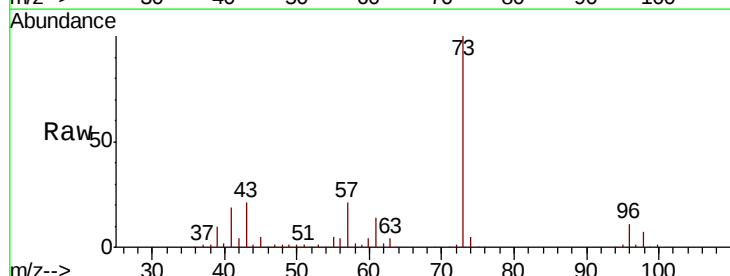
Tgt Ion: 73 Resp: 623764

Ion Ratio Lower Upper

73 100

43 20.6 16.6 25.0

57 21.6 17.0 25.6

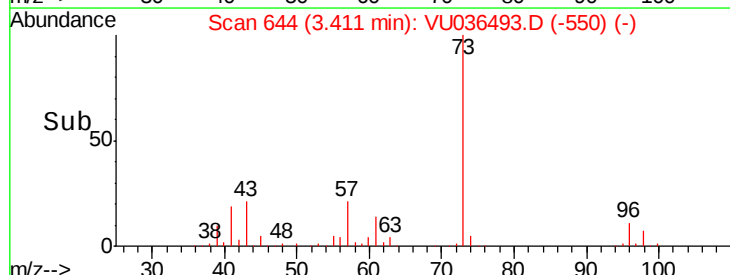


Abundance Ion 73.00 (72.70 to 73.70): VU036493.D (-550) (-)

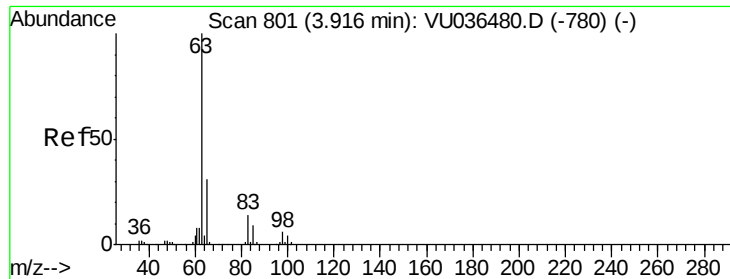
Ion 43.00 (42.70 to 43.70): VU036493.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036493.D (-550) (-)

3.41



Time-->



#19

1,1-Dichloroethane

Concen: 50.514 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

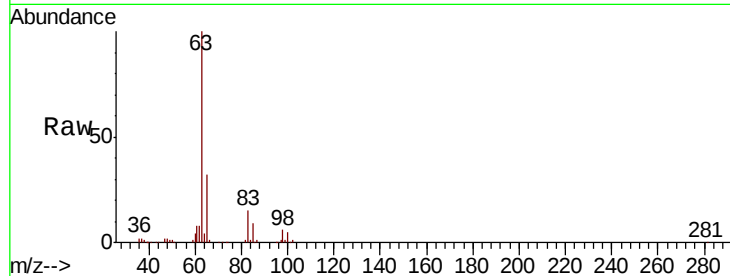
Tot Ion: 63 Resp: 334483

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.4

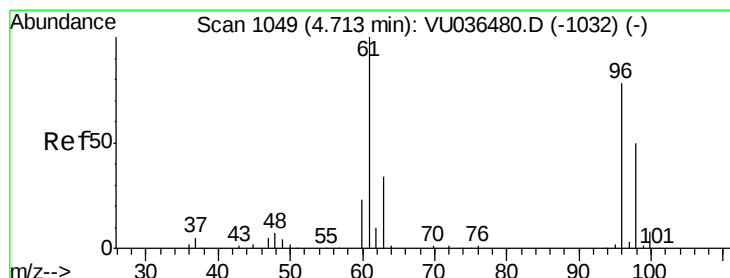
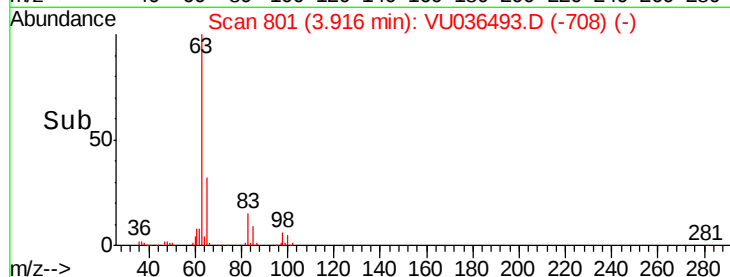
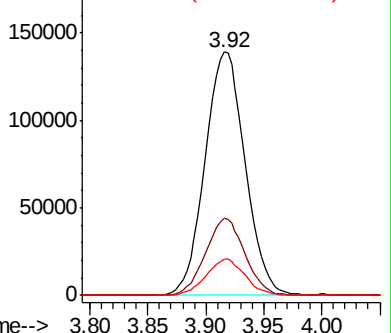
83 14.8 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU036493.D (-956) (-)

Ion 65.00 (64.70 to 65.70): VU036493.D (-956) (-)

Ion 83.00 (82.70 to 83.70): VU036493.D (-956) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.201 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

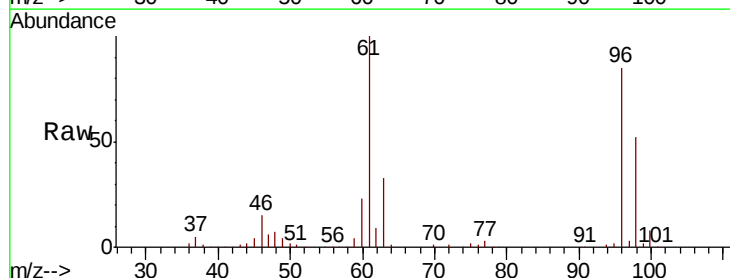
Tgt Ion: 96 Resp: 209918

Ion Ratio Lower Upper

96 100

61 118.0 89.5 166.3

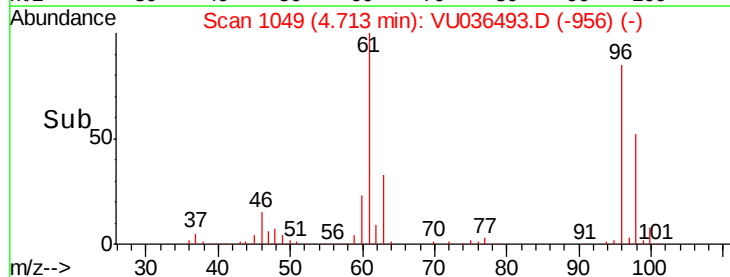
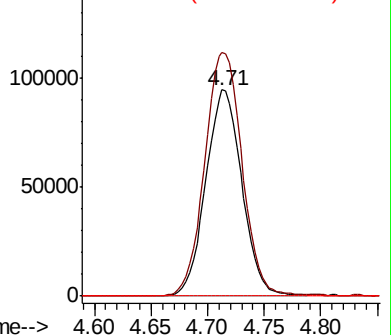
68 0.0 0.0 0.0

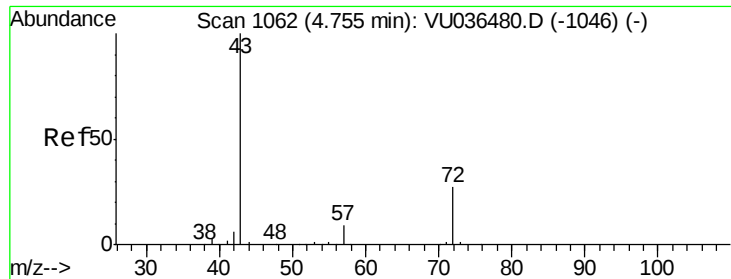


Abundance Ion 96.00 (95.70 to 96.70): VU036493.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036493.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036493.D (-956) (-)

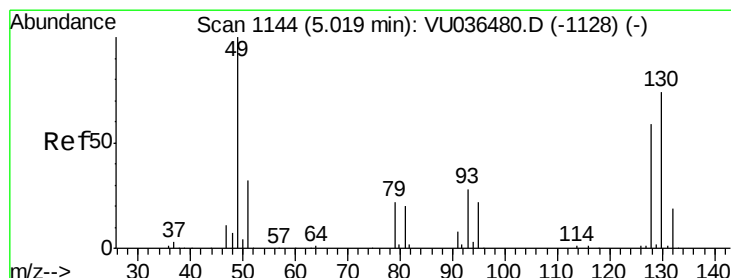
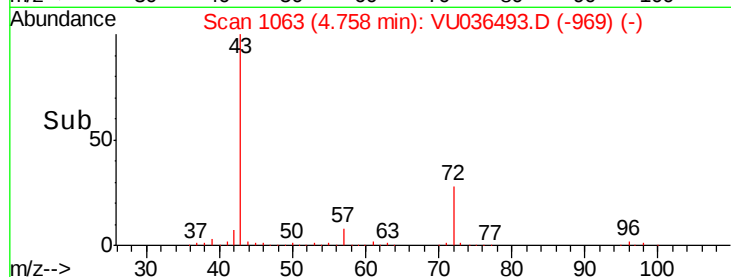
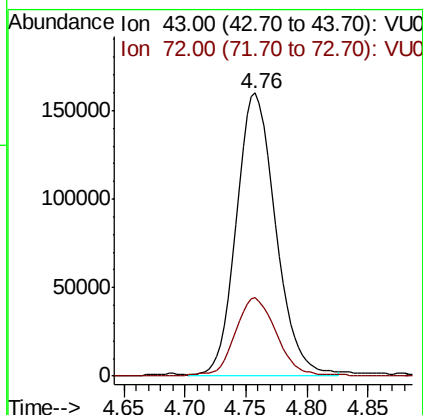
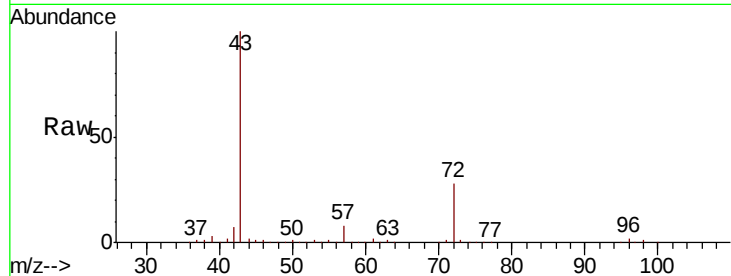




#22
2-Butanone
Concen: 95.594 ug/L
RT: 4.76 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

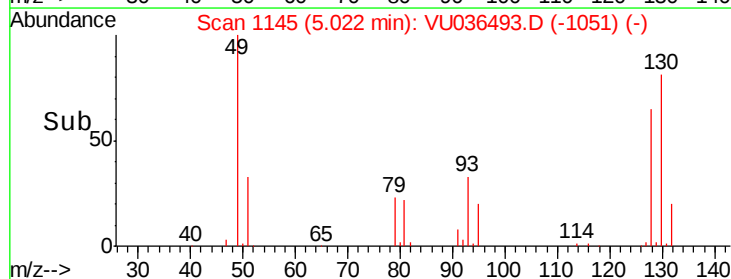
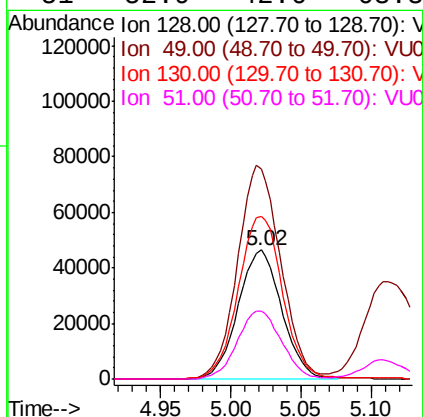
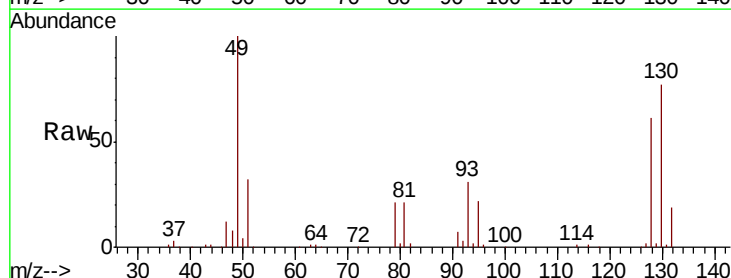
Instrument :
MSVOA_U
ClientSampleId :

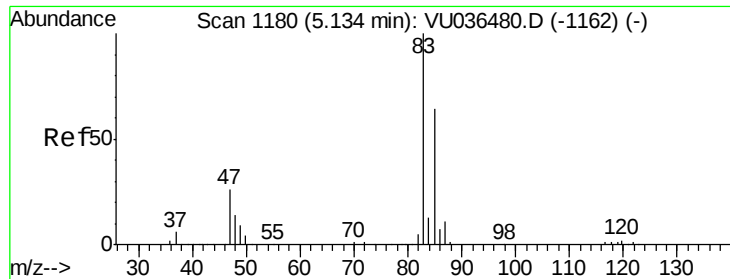
Tot Ion: 43 Resp: 354233
Ion Ratio Lower Upper
43 100
72 29.5 14.1 42.4



#23
Bromochloromethane
Concen: 52.034 ug/L
RT: 5.02 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

Tgt Ion:128 Resp: 101087
Ion Ratio Lower Upper
128 100
49 163.4 118.9 220.7
130 125.9 91.3 169.5
51 52.9 42.6 63.8

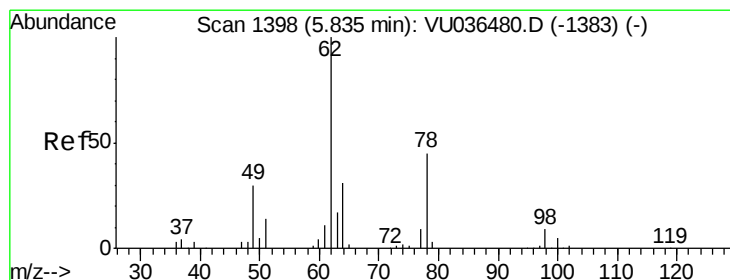
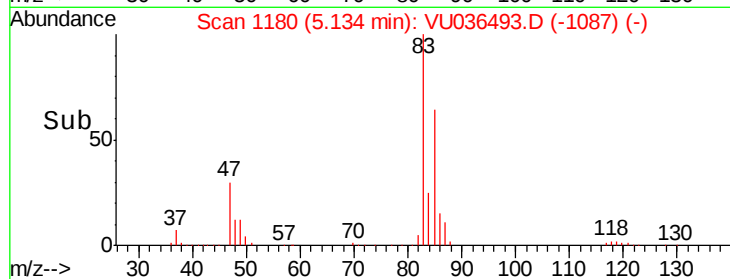
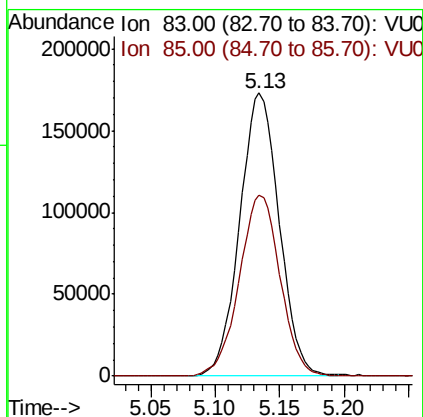
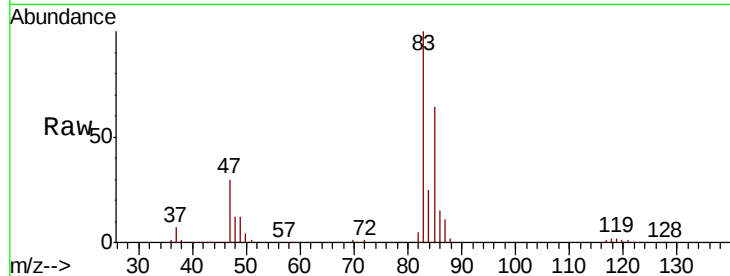




#25
Chloroform
Concen: 52.291 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

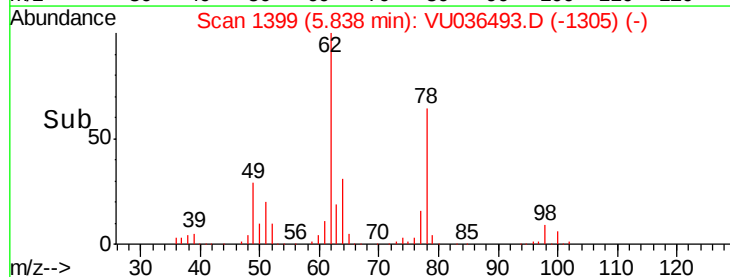
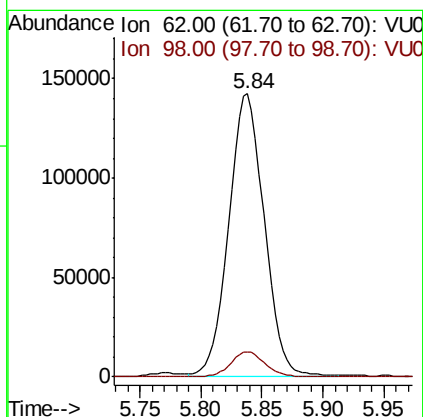
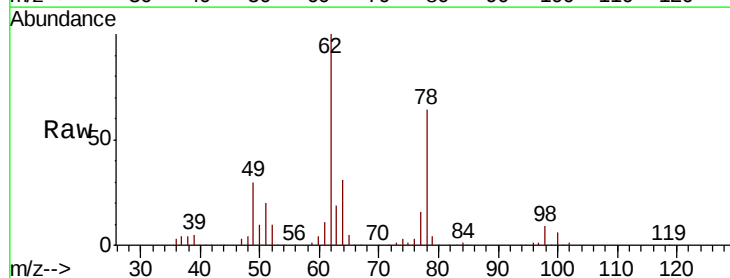
Instrument :
MSVOA_U
ClientSampleId :

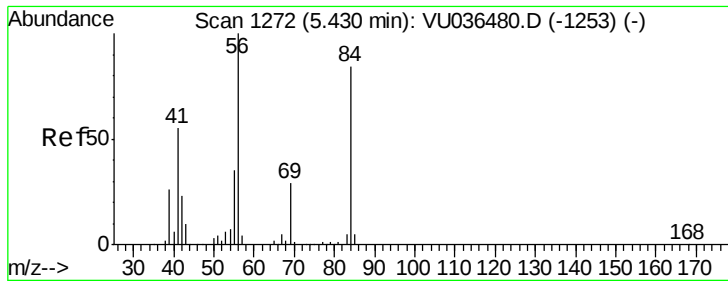
Tot Ion: 83 Resp: 369258
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.552 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

Tgt Ion: 62 Resp: 288326
Ion Ratio Lower Upper
62 100
98 9.0 6.6 9.8

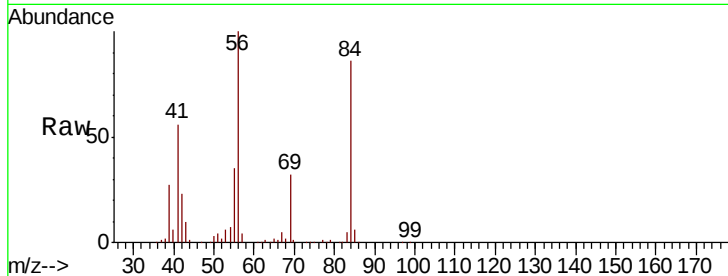




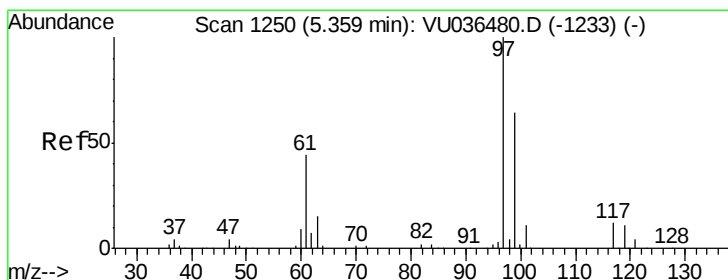
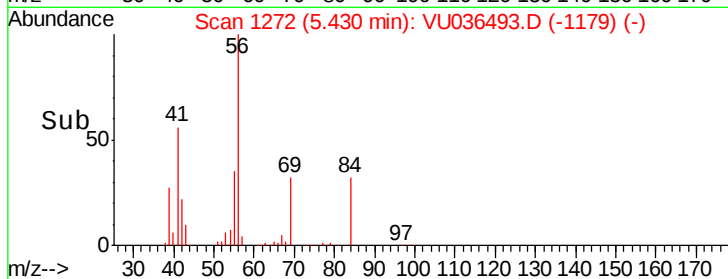
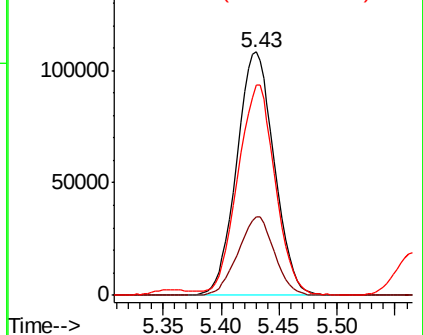
#29
Cyclohexane
Concen: 39.225 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	56	Resp	243387
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.6	36.8
84	85.5	67.4	101.2

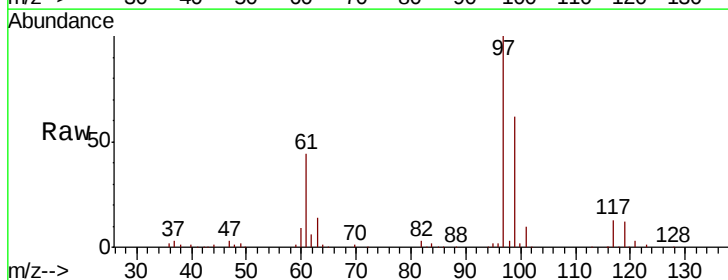


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

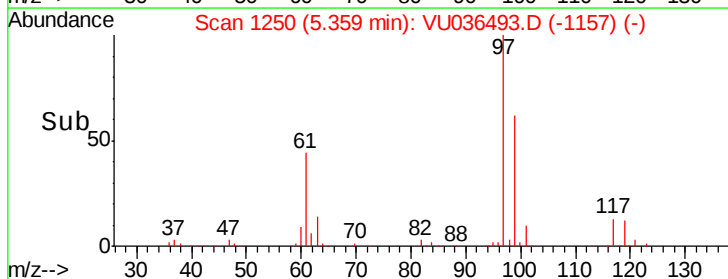
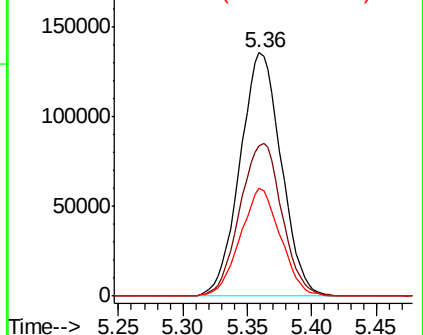


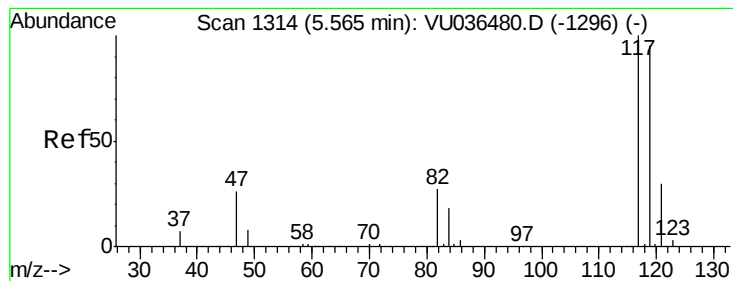
#30
1,1,1-Trichloroethane
Concen: 49.168 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

Tgt Ion	97	Resp	302101
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.2	75.2
61	43.2	35.3	52.9



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





#31

Carbon tetrachloride

Concen: 47.690 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

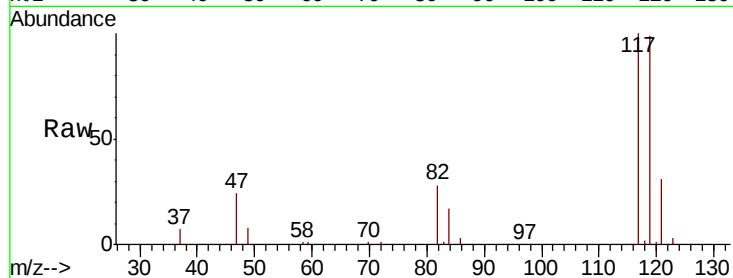
ClientSampleId :

Tot Ion:117 Resp: 251136

Ion Ratio Lower Upper

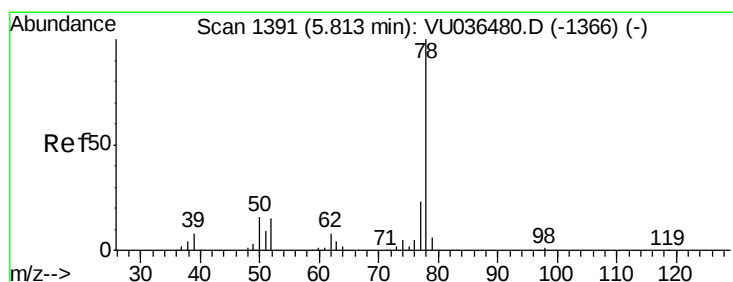
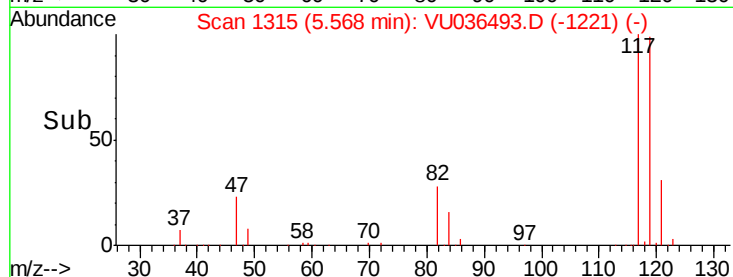
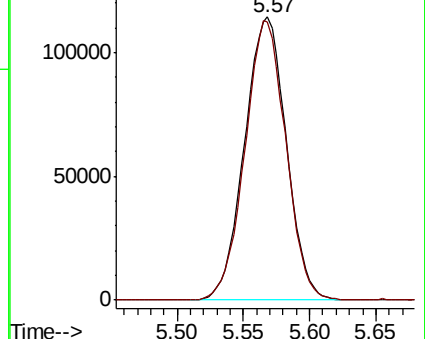
117 100

119 96.8 74.3 111.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.319 ug/L

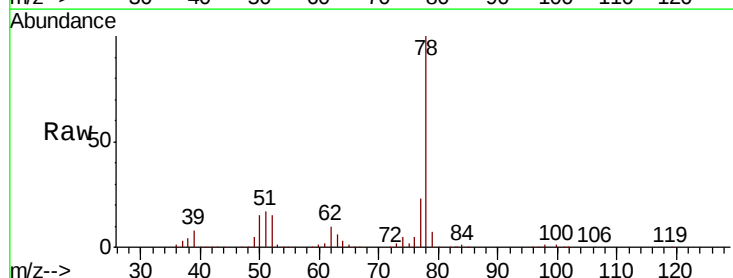
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

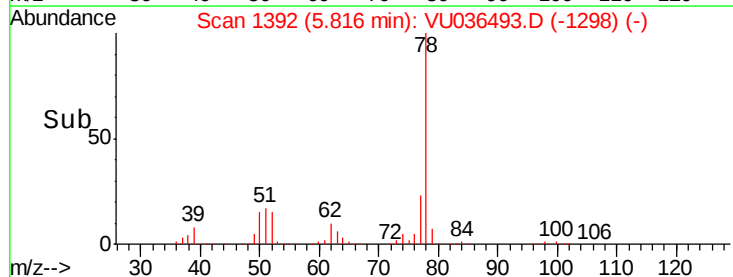
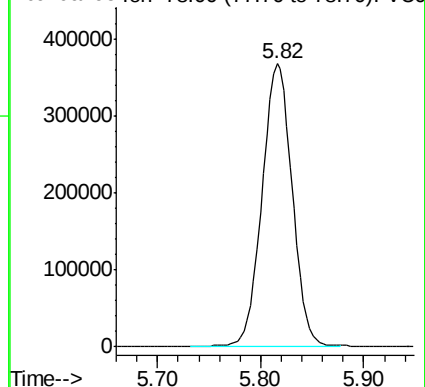
Lab File: VU036493.D

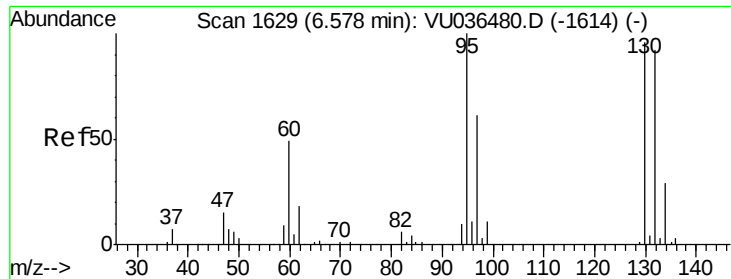
Acq: 16 Jan 2020 01:54

Tgt Ion: 78 Resp: 748016



Abundance Ion 78.00 (77.70 to 78.70): VU0

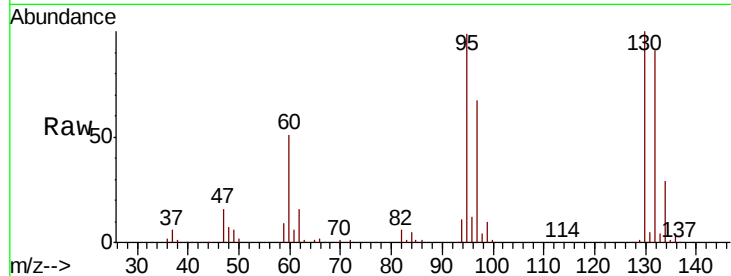




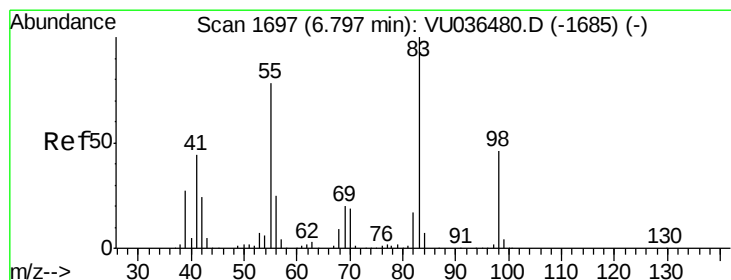
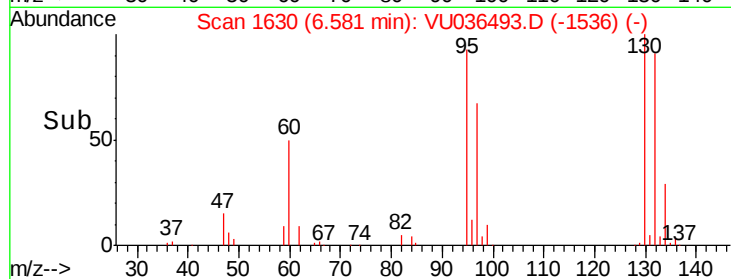
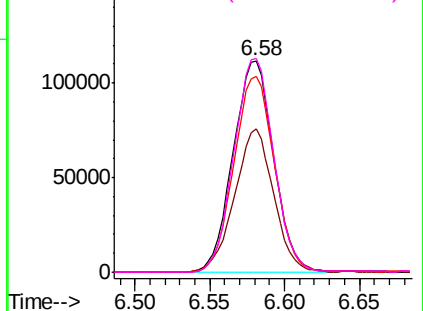
#34
 Trichloroethene
 Concen: 52.719 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 211616
 Ion Ratio Lower Upper
 95 100
 97 67.7 44.2 82.2
 132 92.4 62.8 116.6
 130 101.0 66.1 122.7

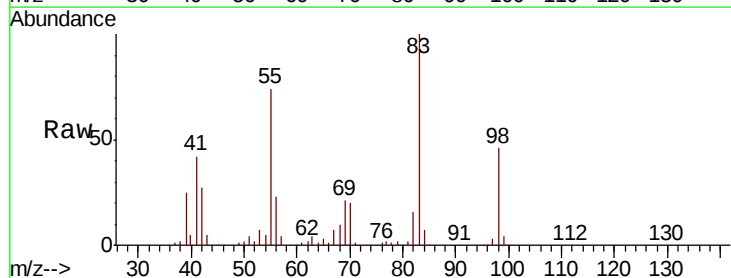


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

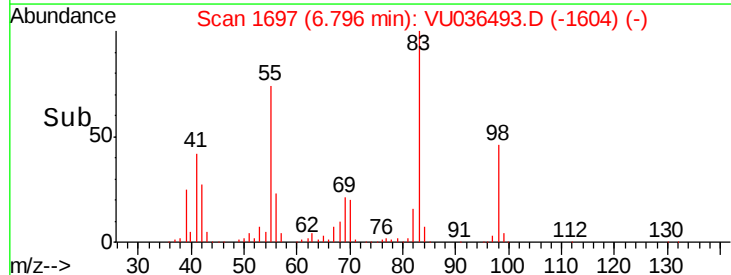
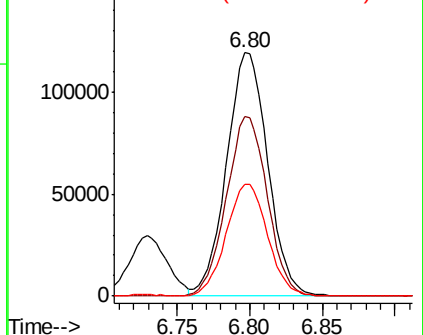


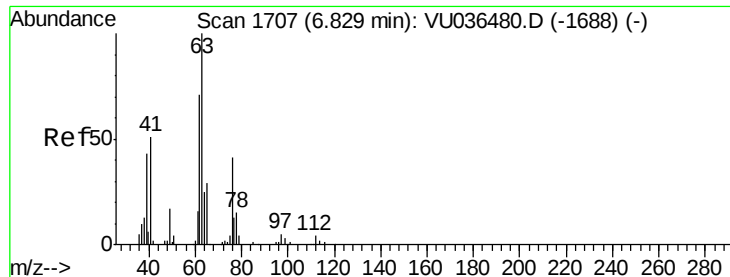
#35
 Methylcyclohexane
 Concen: 38.142 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Tgt Ion: 83 Resp: 235717
 Ion Ratio Lower Upper
 83 100
 55 73.2 59.9 89.9
 98 46.1 36.4 54.6



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

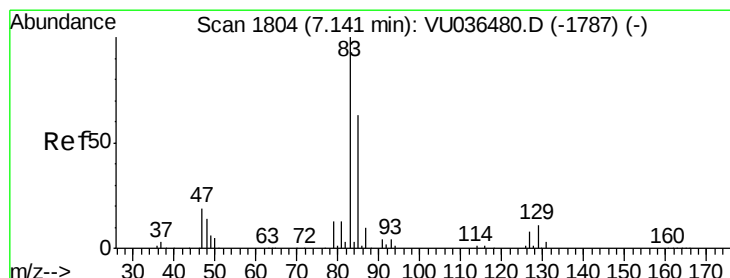
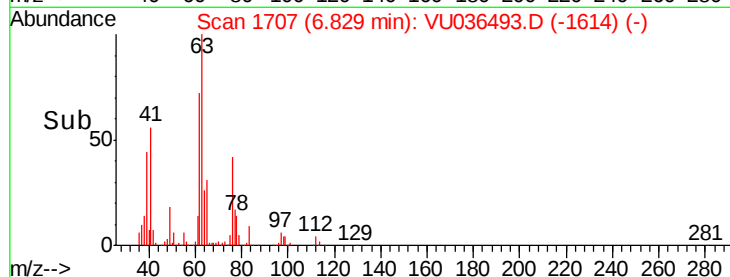
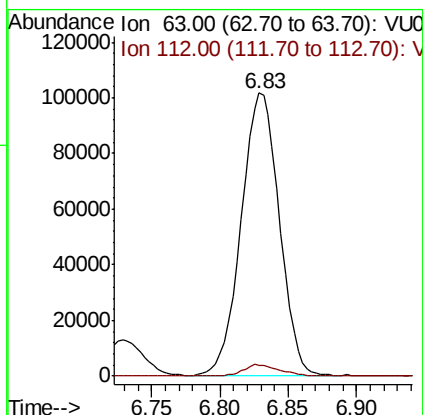
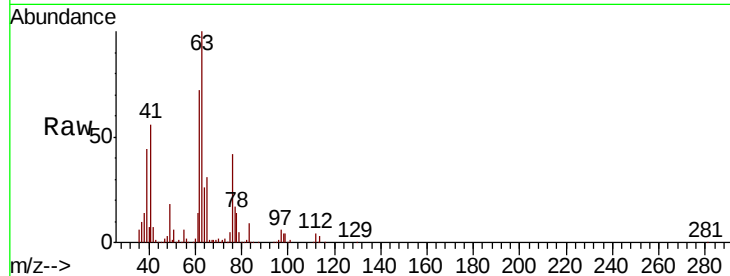




#37
 1,2-Dichloropropane
 Concen: 50.293 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

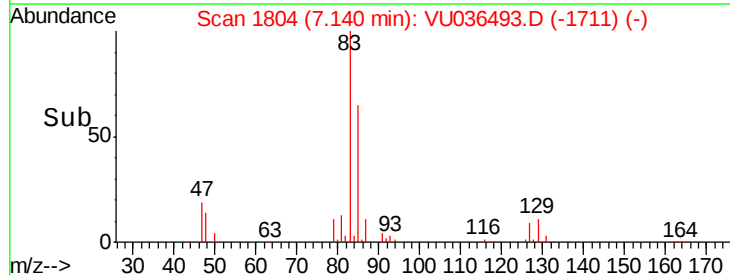
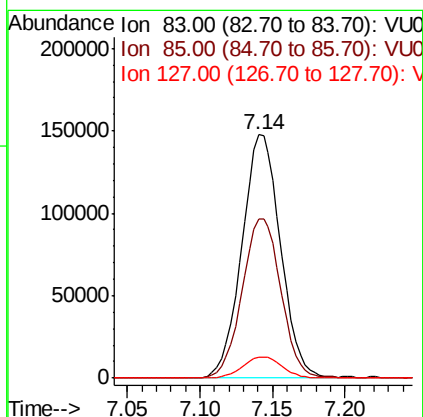
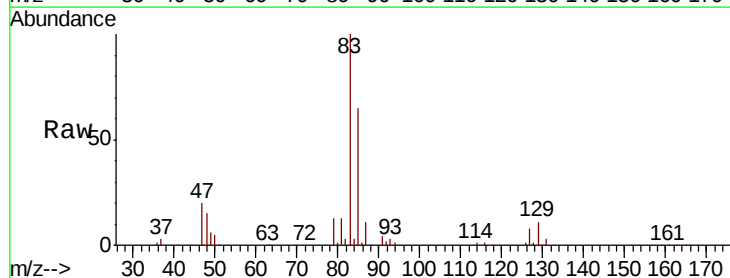
Instrument :
 MSVOA_U
 ClientSampleId :

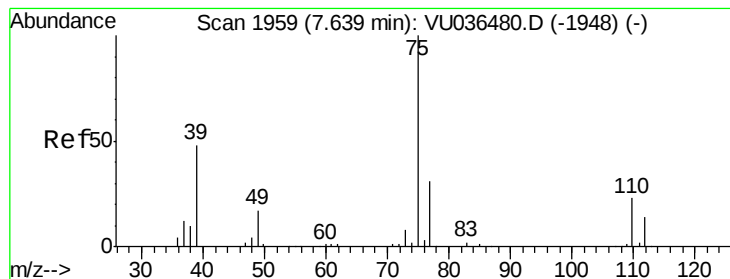
Tot Ion: 63 Resp: 198148
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 50.489 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Tgt Ion: 83 Resp: 273759
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.0 81.8
 127 8.5 6.7 10.1



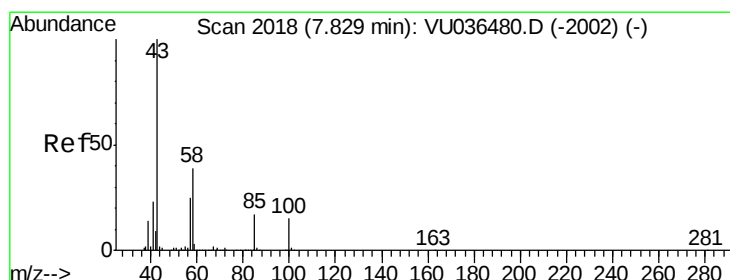
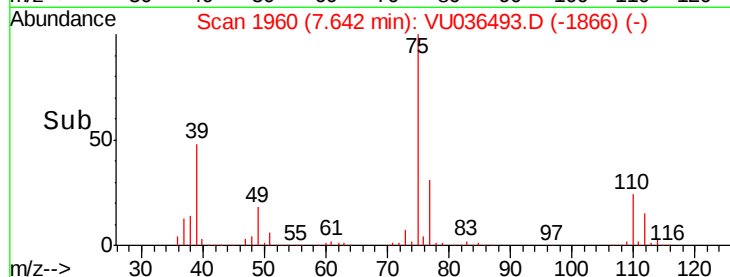
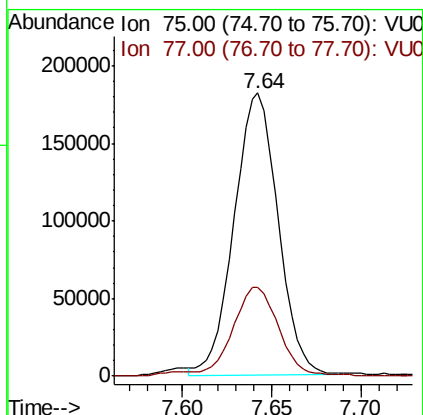
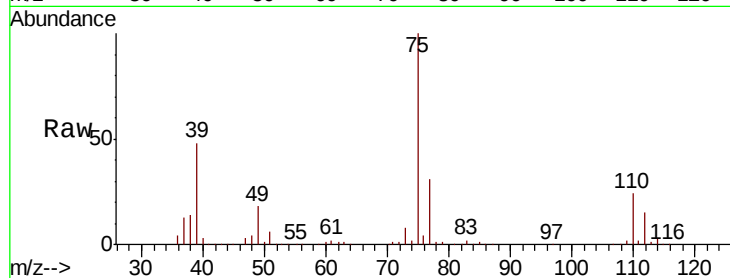


#39

cis-1,3-Dichloropropene
 Concen: 48.795 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Instrument :
 MSVOA_U
 ClientSampled :

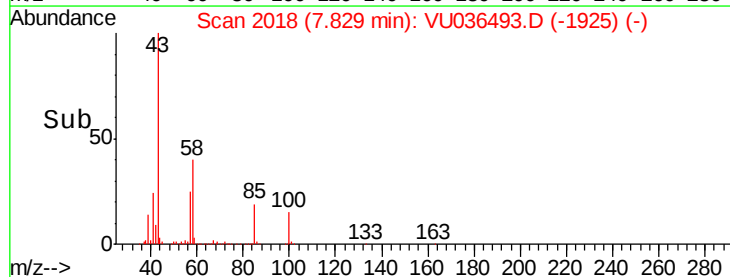
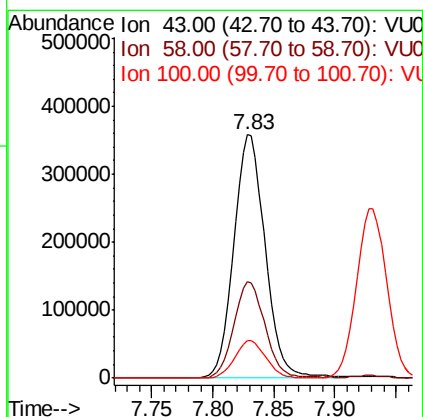
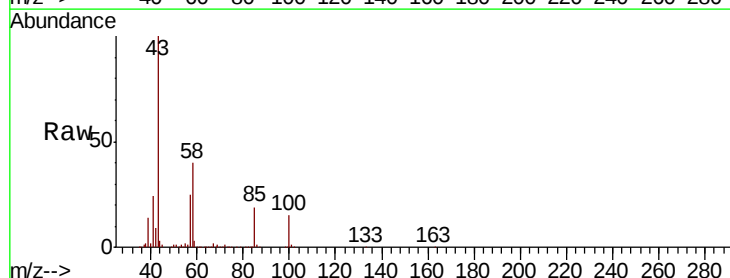
Tot Ion: 75 Resp: 311226
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.4

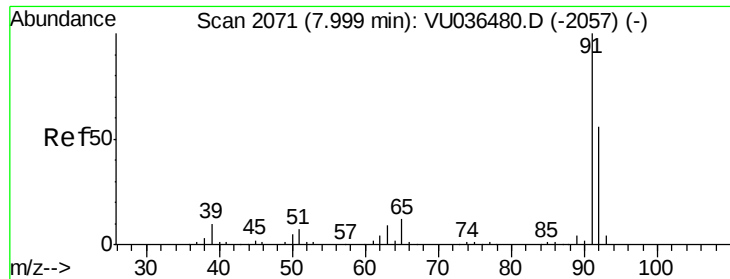


#40

4-Methyl-2-pentanone
 Concen: 100.512 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Tgt Ion: 43 Resp: 637052
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.0 48.0
 100 15.3 11.4 17.0





#42

Toluene

Concen: 49.354 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

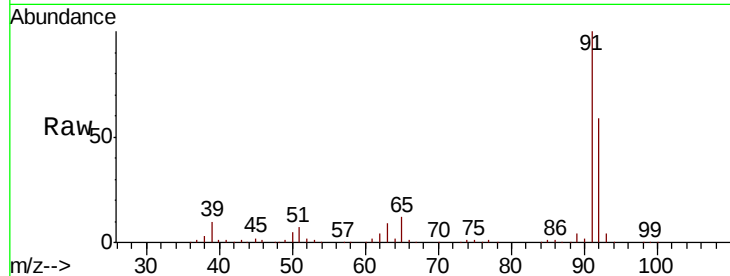
ClientSampleId :

Tot Ion: 91 Resp: 796870

Ion Ratio Lower Upper

91 100

92 59.1 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036480.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036480.D (-2057) (-)

8.00

500000

400000

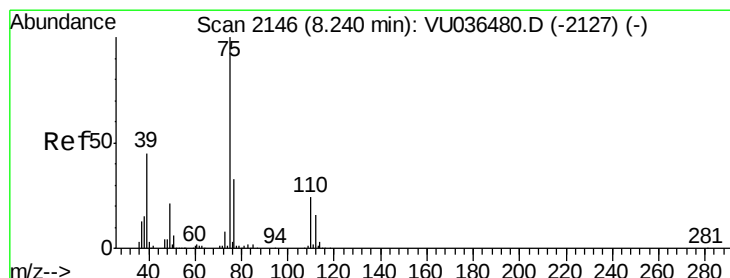
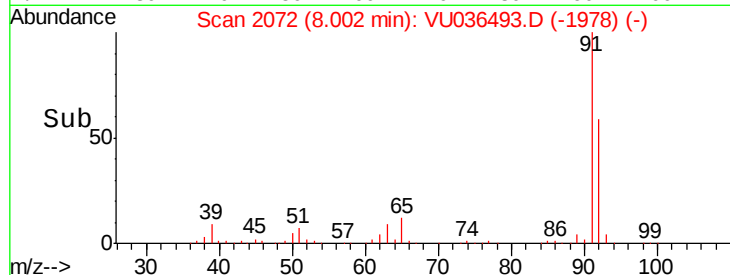
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 50.258 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036493.D

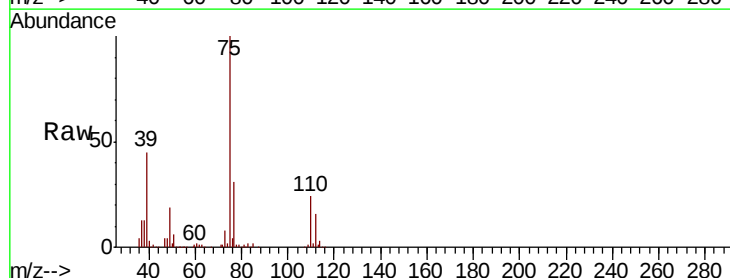
Acq: 16 Jan 2020 01:54

Tgt Ion: 75 Resp: 296950

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036480.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036480.D (-2127) (-)

8.24

200000

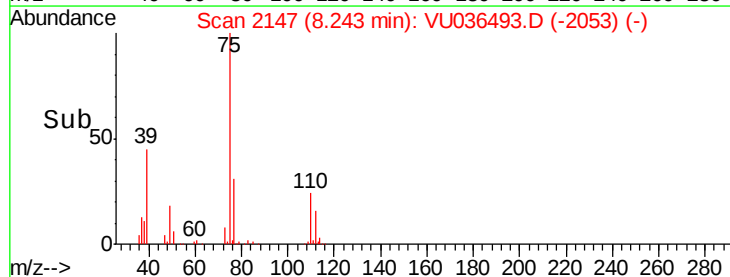
150000

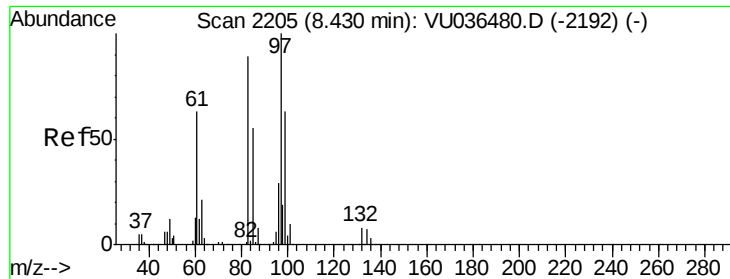
100000

50000

0

Time--> 8.15 8.20 8.25 8.30

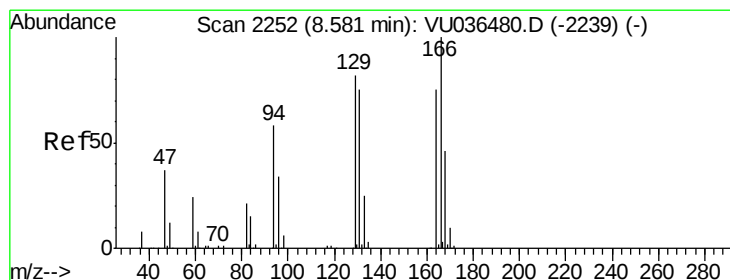
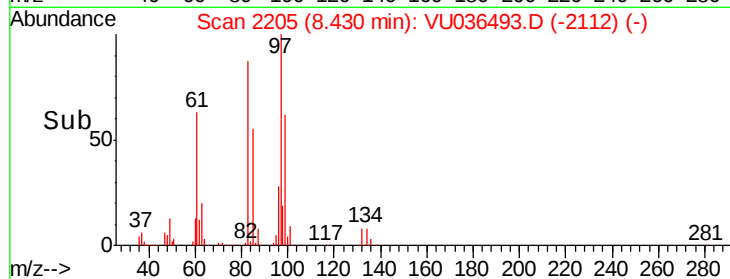
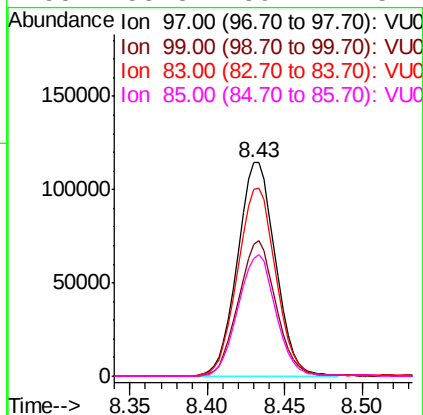
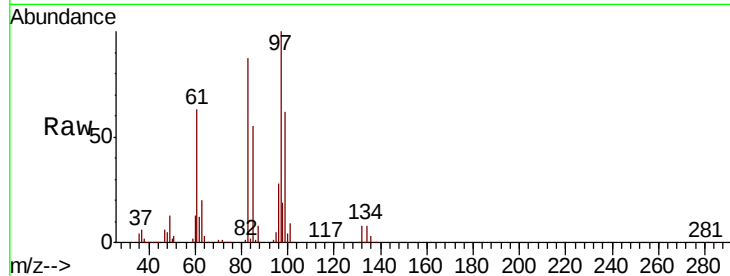




#45
 1,1,2-Trichloroethane
 Concen: 52.173 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

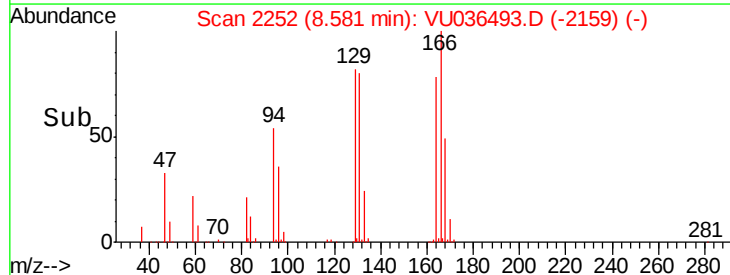
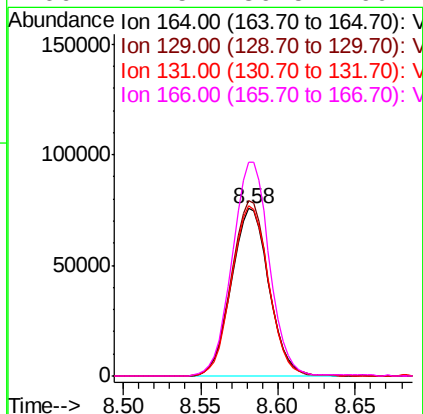
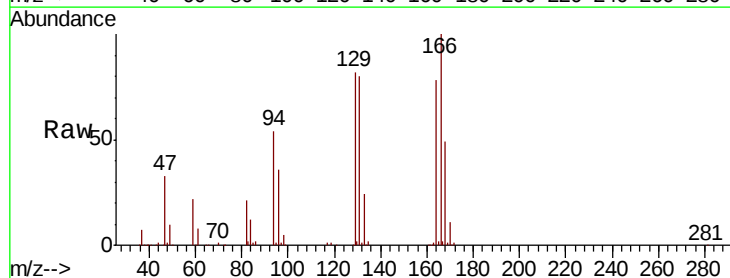
Instrument :
 MSVOA_U
 ClientSampleId :

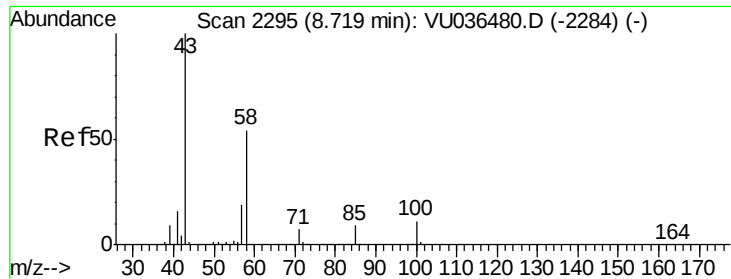
Tot Ion:	97	Resp:	196478
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.7	82.9
83	87.4	59.4	110.2
85	55.3	39.7	73.7



#46
 Tetrachloroethene
 Concen: 47.310 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Tgt Ion:	164	Resp:	127740
Ion	Ratio	Lower	Upper
164	100		
129	104.6	68.1	126.5
131	101.4	66.6	123.6
166	127.5	86.5	160.7

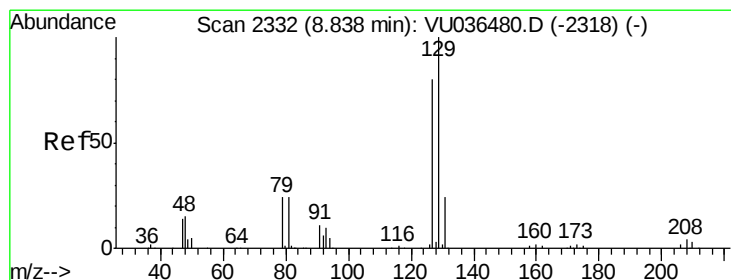
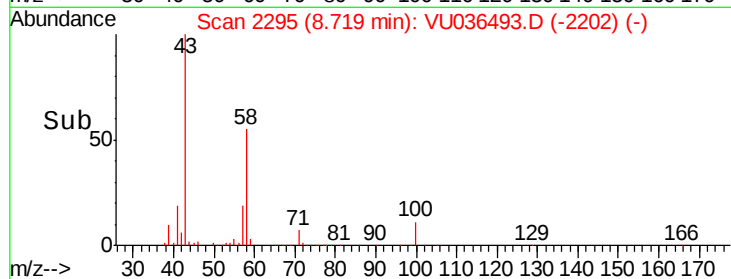
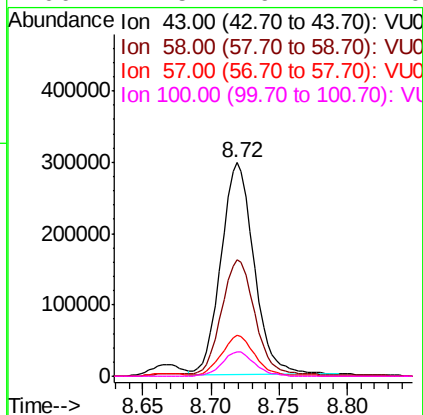
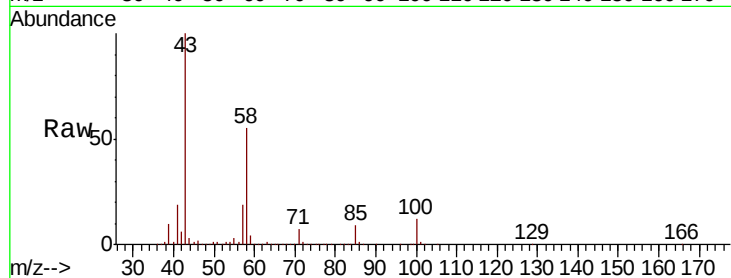




#48
2-Hexanone
Concen: 99.454 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

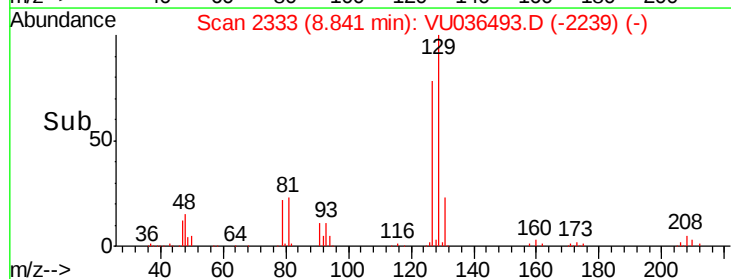
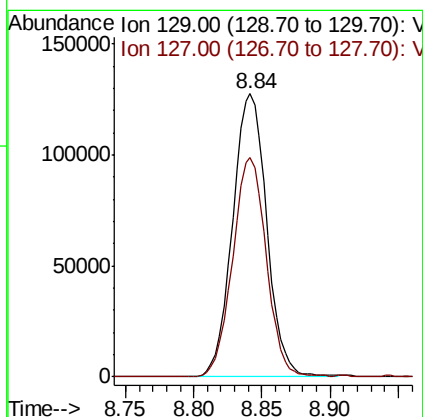
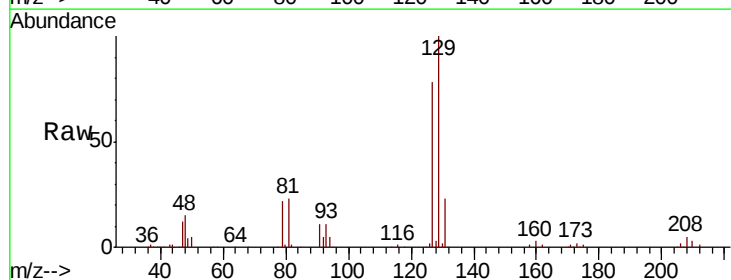
Instrument :
MSVOA_U
ClientSampleId :

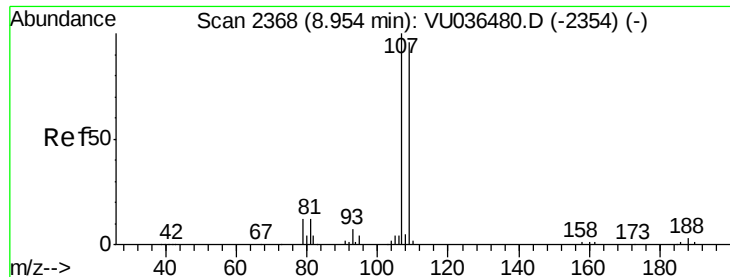
Tot Ion:	43	Resp:	498542
Ion	Ratio	Lower	Upper
43	100		
58	55.7	43.7	65.5
57	19.1	14.7	22.1
100	11.5	9.4	14.0



#49
Dibromochloromethane
Concen: 52.958 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036493.D
Acq: 16 Jan 2020 01:54

Tgt Ion:	129	Resp:	221840
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.7	101.7

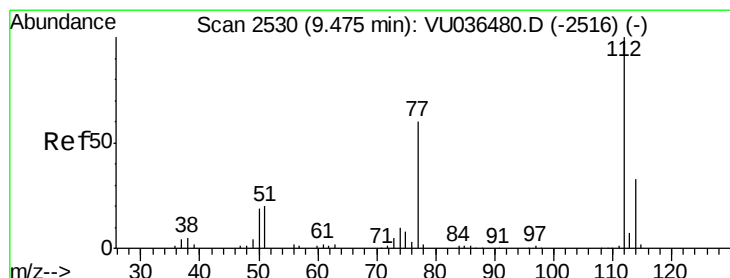
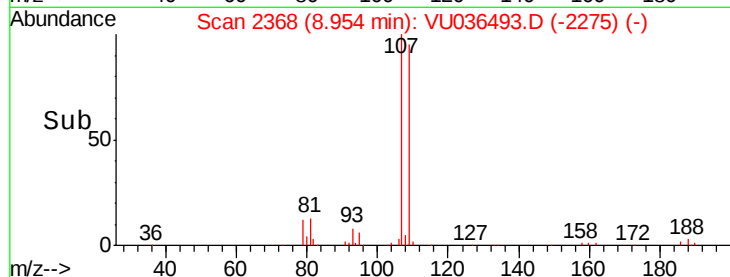
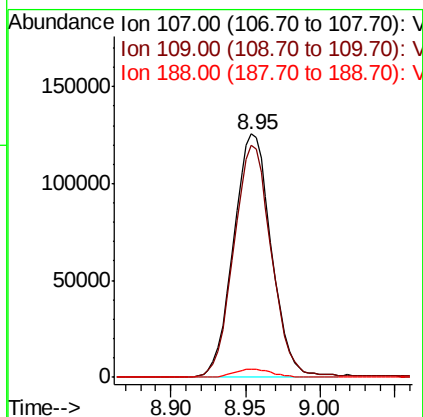
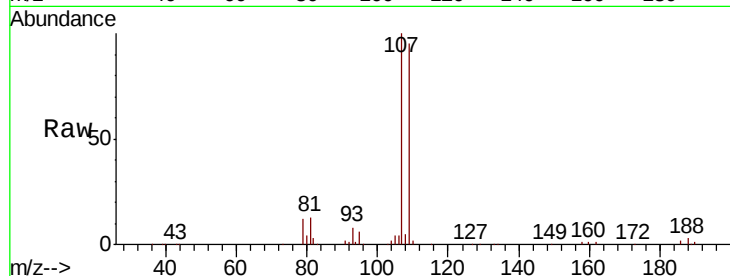




#50
 1,2-Dibromoethane
 Concen: 51.871 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

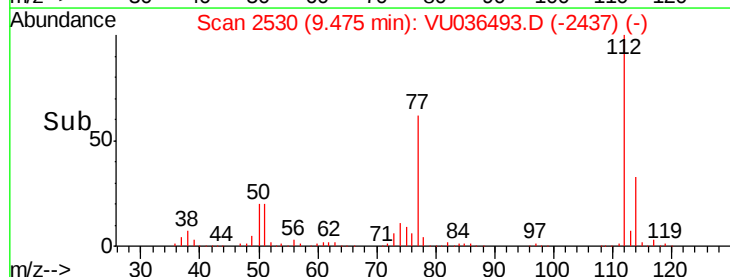
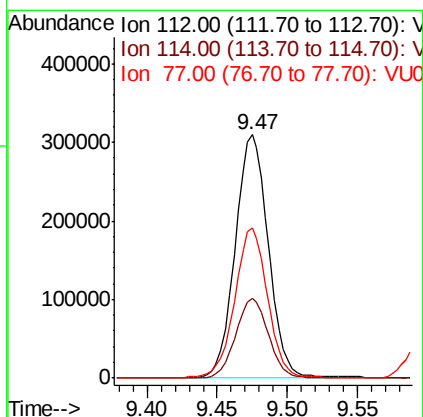
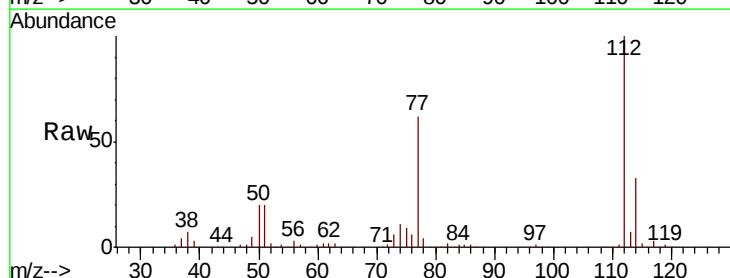
Instrument :
 MSVOA_U
 ClientSampleId :

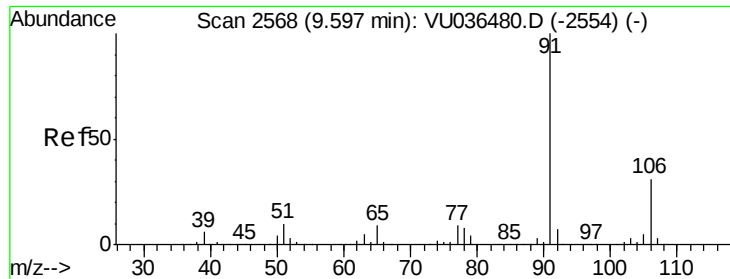
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	65.0	120.8
188	3.4	2.6	4.0



#51
 Chlorobenzene
 Concen: 50.254 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.0	41.0
77	61.5	47.8	71.8





#52

Ethylbenzene

Concen: 47.925 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

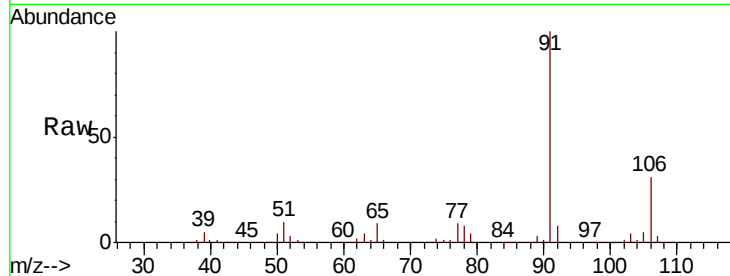
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 864271

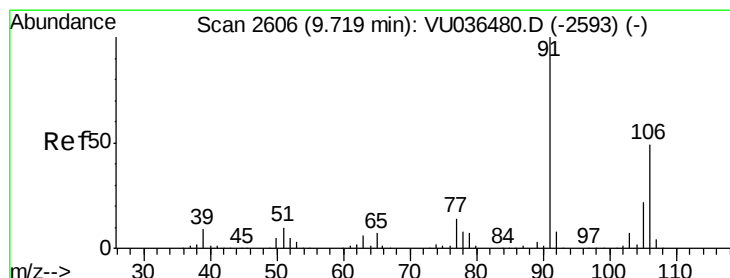
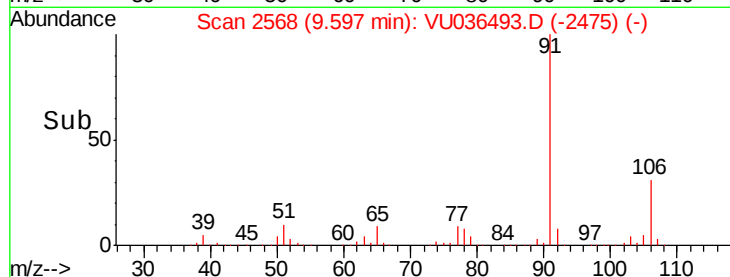
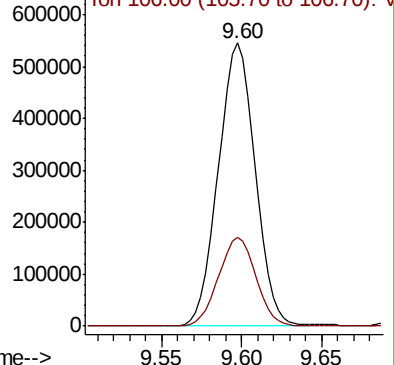
Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036480.D (-2554) (-)



#53

m,p-Xylene

Concen: 49.544 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036493.D

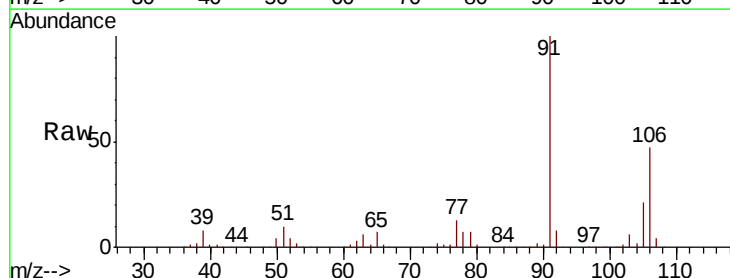
Acq: 16 Jan 2020 01:54

Tgt Ion: 106 Resp: 334113

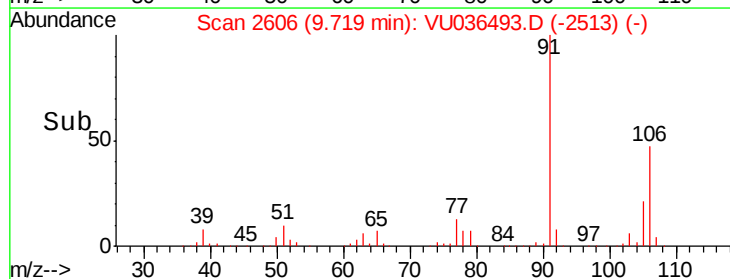
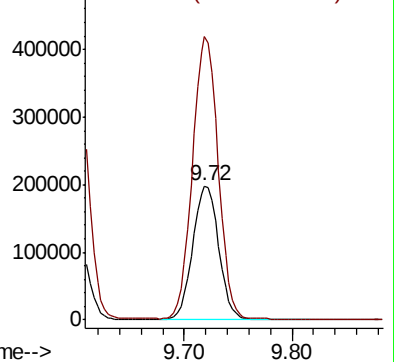
Ion Ratio Lower Upper

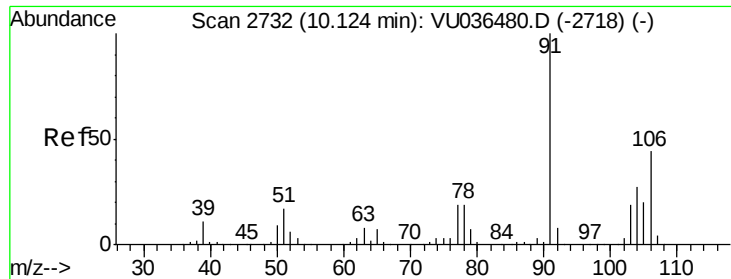
106 100

91 211.4 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036480.D (-2593) (-)





#54

o-xylene

Concen: 49.559 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

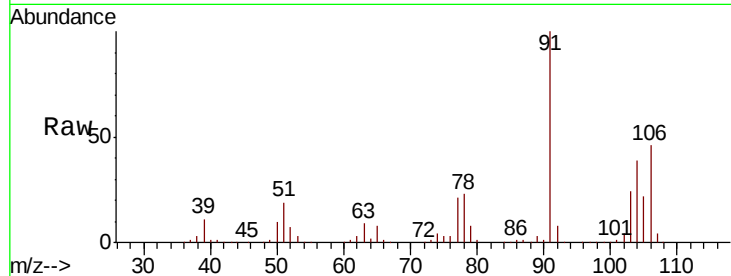
ClientSampleId :

Tot Ion:106 Resp: 333650

Ion Ratio Lower Upper

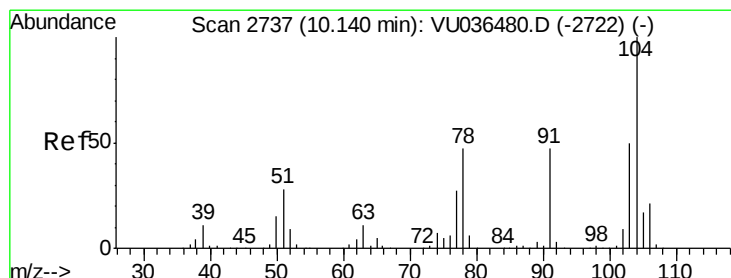
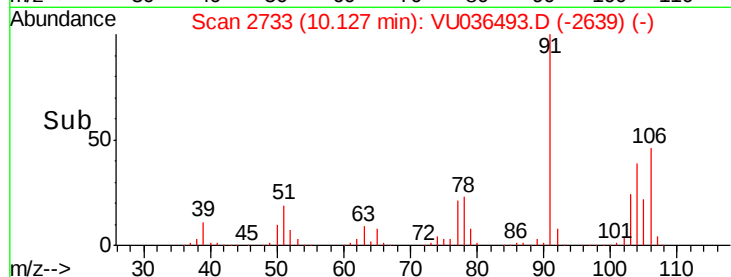
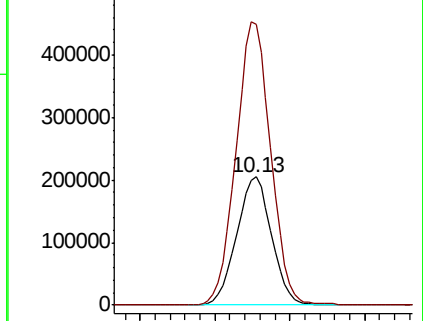
106 100

91 218.9 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.727 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036493.D

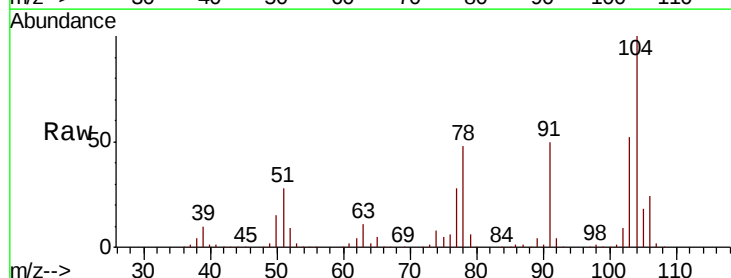
Acq: 16 Jan 2020 01:54

Tgt Ion:104 Resp: 564800

Ion Ratio Lower Upper

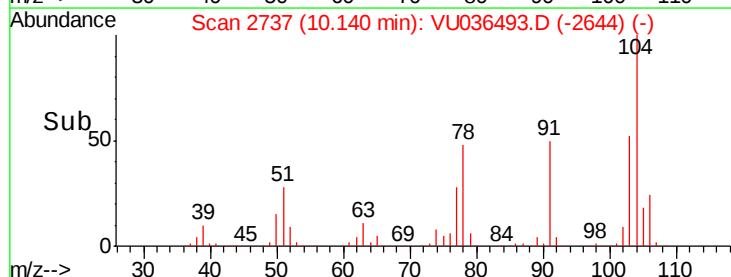
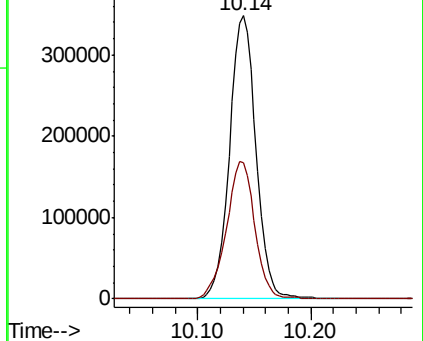
104 100

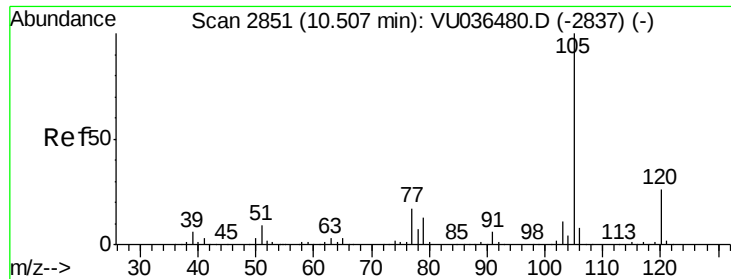
78 48.2 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 47.527 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

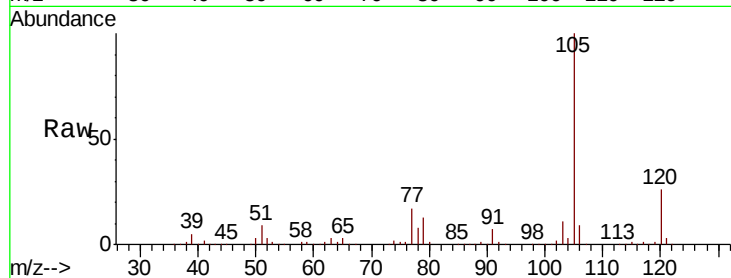
Tot Ion:105 Resp: 821219

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

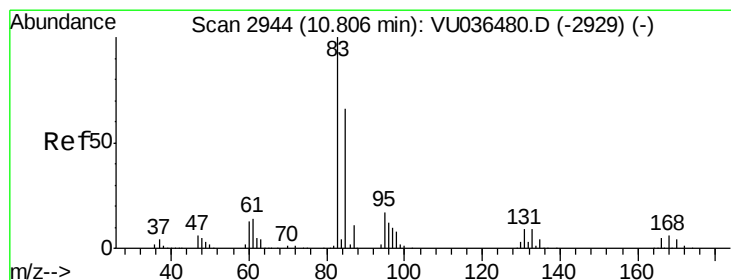
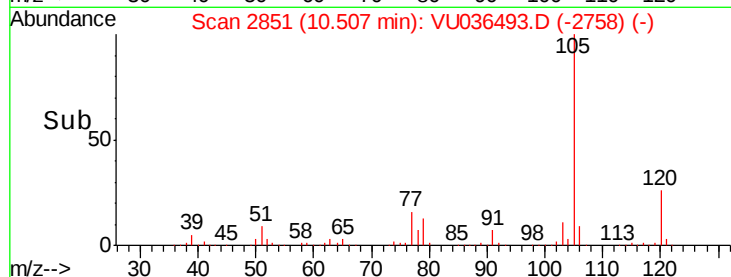
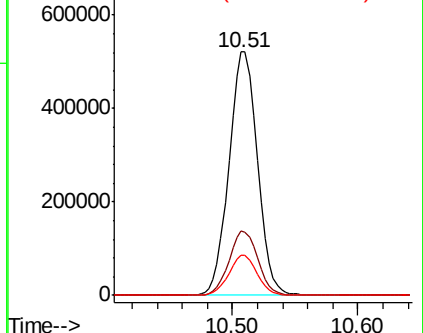
77 16.3 13.4 20.2



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: 46.485 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

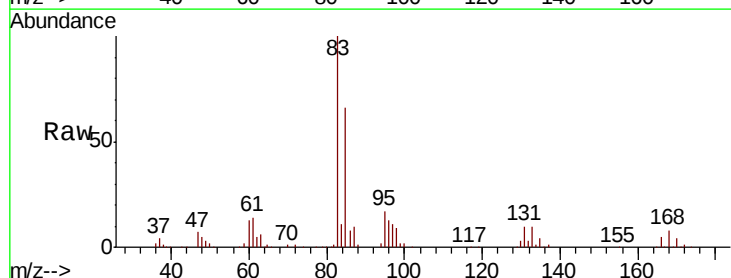
Tgt Ion: 83 Resp: 304420

Ion Ratio Lower Upper

83 100

85 66.1 44.7 82.9

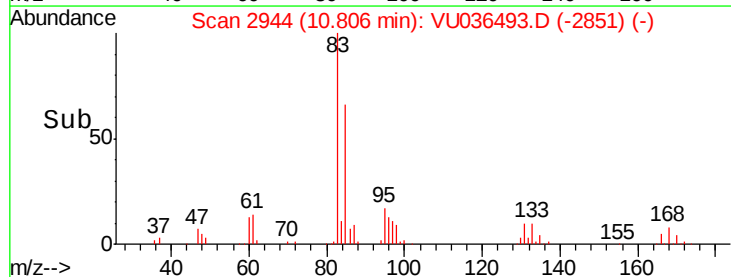
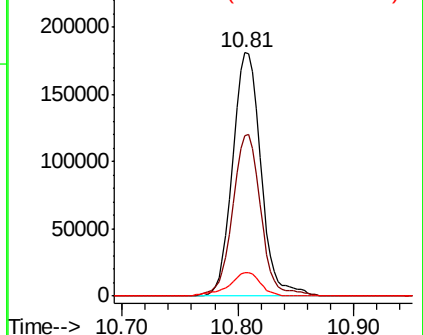
131 9.7 7.0 10.6

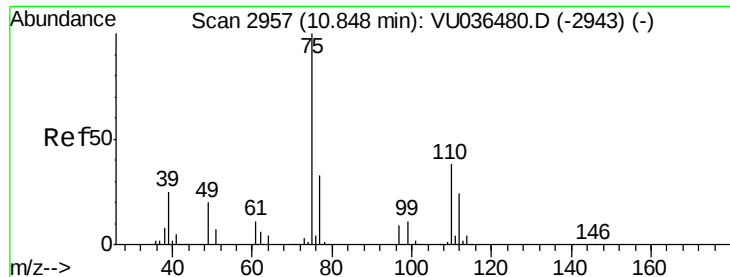


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

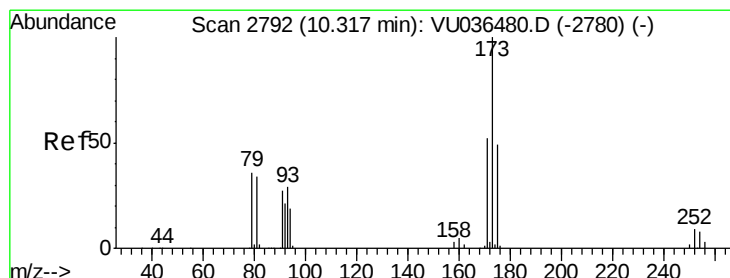
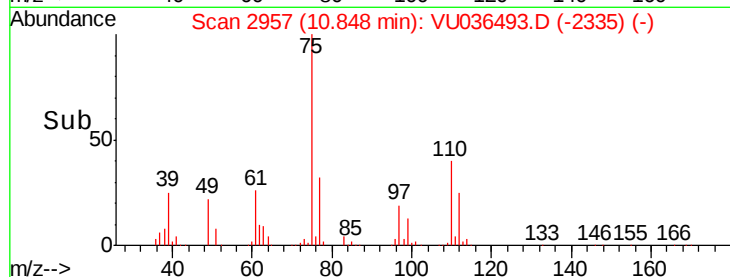
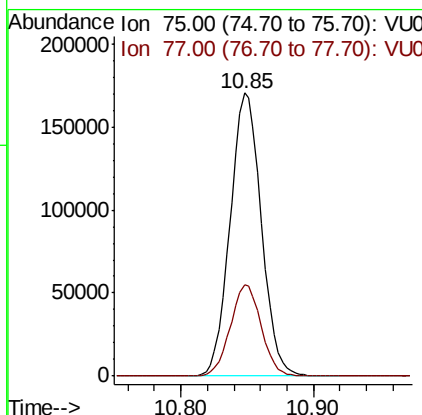
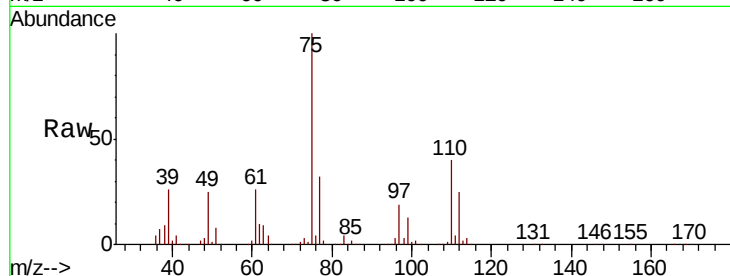




#59
 1,2,3-Trichloropropane
 Concen: 51.190 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

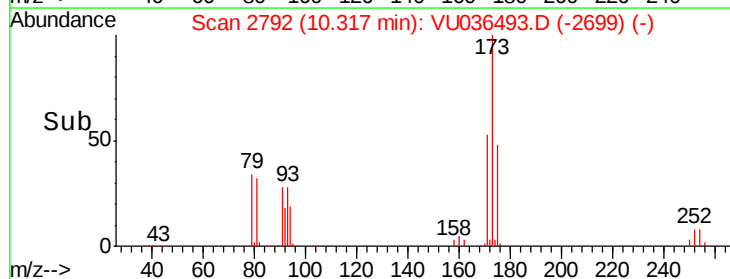
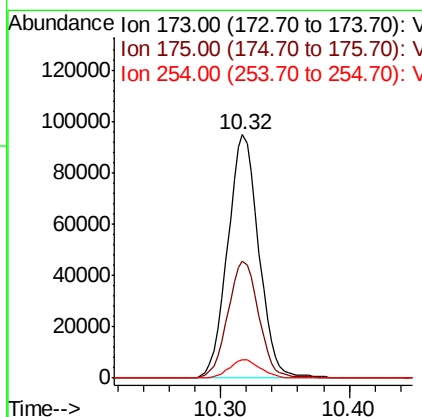
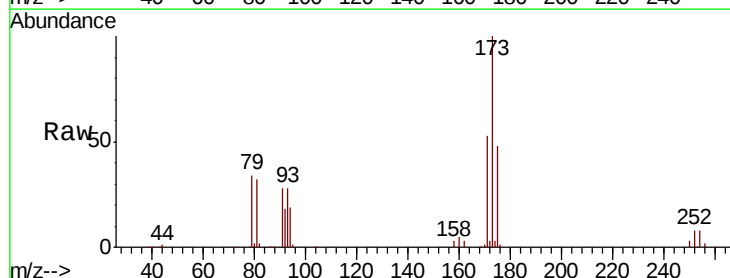
Instrument :
 MSVOA_U
 ClientSampleId :

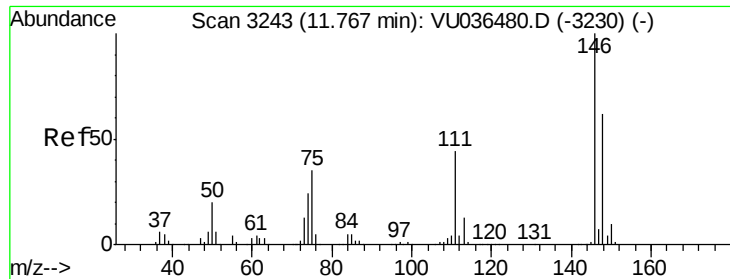
Tot Ion: 75 Resp: 278117
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4



#61
 Bromoform
 Concen: 48.324 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Tgt Ion: 173 Resp: 158860
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.6 59.4
 254 7.5 6.3 9.5





#62

1,3-Dichlorobenzene

Concen: 49.758 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036493.D

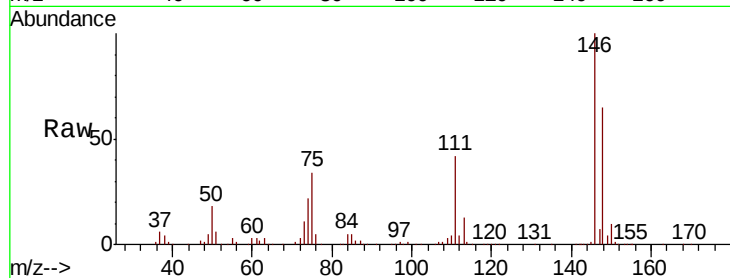
Acq: 16 Jan 2020 01:54

Instrument :

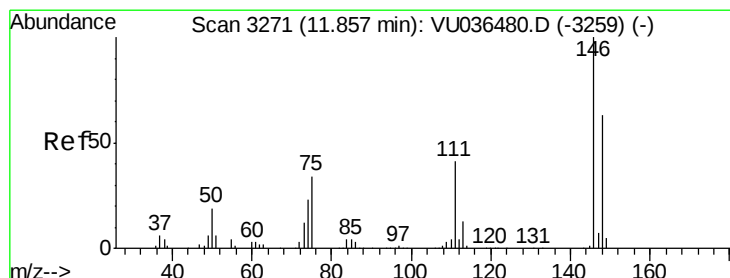
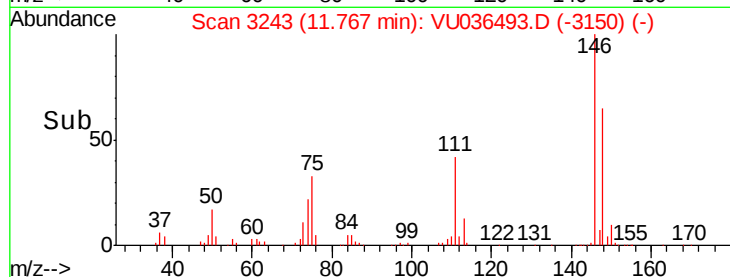
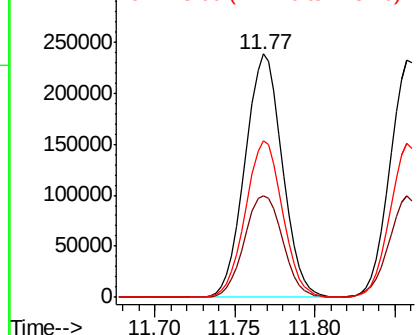
MSVOA_U

ClientSampled :

Tot Ion:146	Resp:	378217
Ion	Ratio	Lower Upper
146	100	
111	42.0	31.3 58.1
148	64.5	44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.798 ug/L

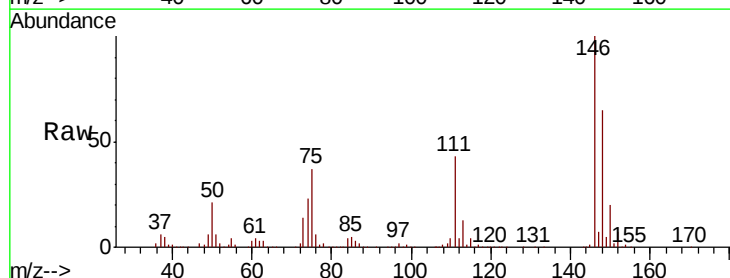
RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

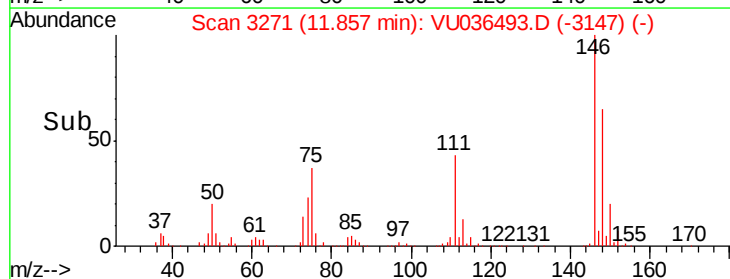
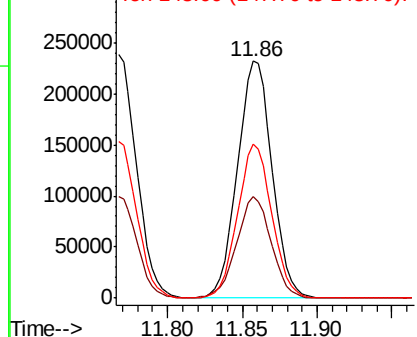
Lab File: VU036493.D

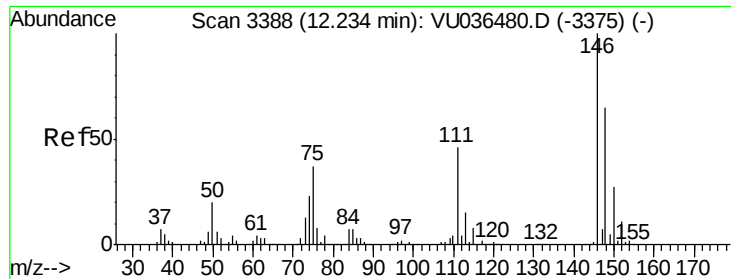
Acq: 16 Jan 2020 01:54

Tgt Ion:146	Resp:	372706
Ion	Ratio	Lower Upper
146	100	
111	42.8	29.3 54.3
148	65.0	43.8 81.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

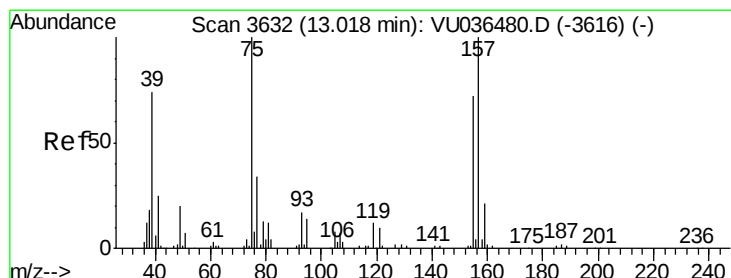
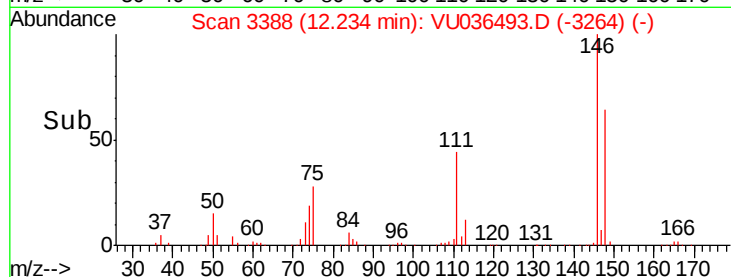
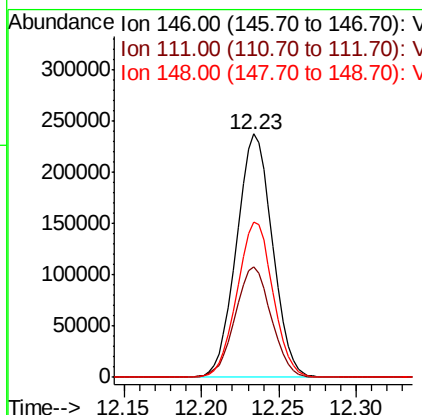
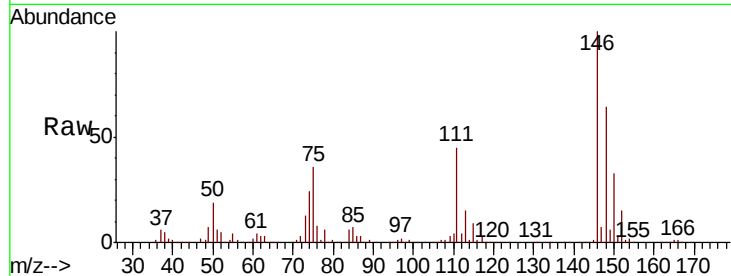




#65
 1,2-Dichlorobenzene
 Concen: 51.055 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

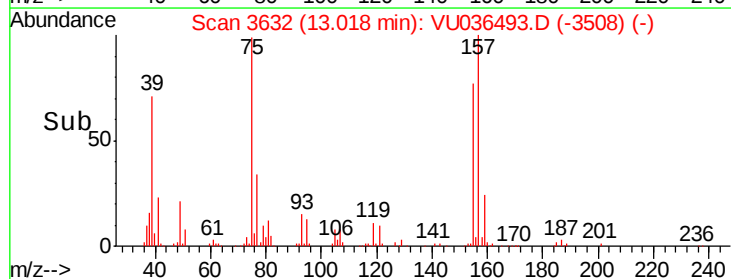
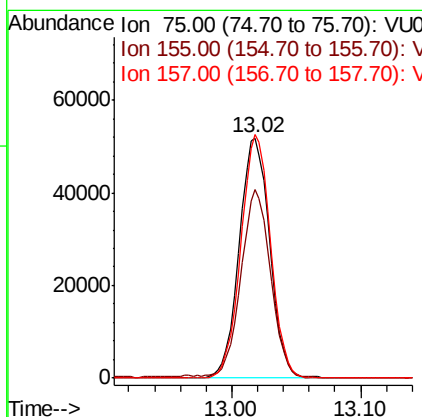
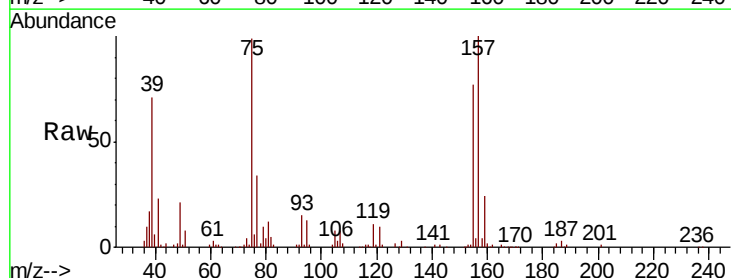
Instrument :
 MSVOA_U
 ClientSampleId :

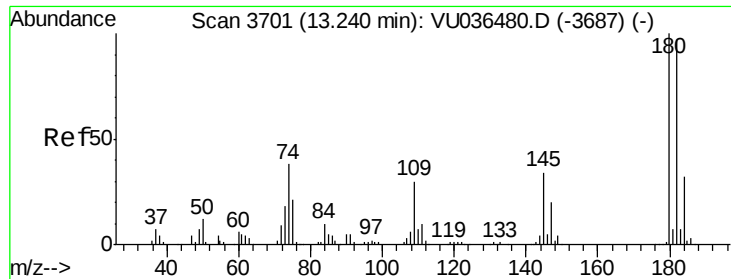
Tot Ion:146 Resp: 382786
 Ion Ratio Lower Upper
 146 100
 111 45.3 37.0 55.4
 148 63.8 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.642 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Tgt Ion: 75 Resp: 85146
 Ion Ratio Lower Upper
 75 100
 155 78.7 59.1 88.7
 157 101.5 72.7 109.1

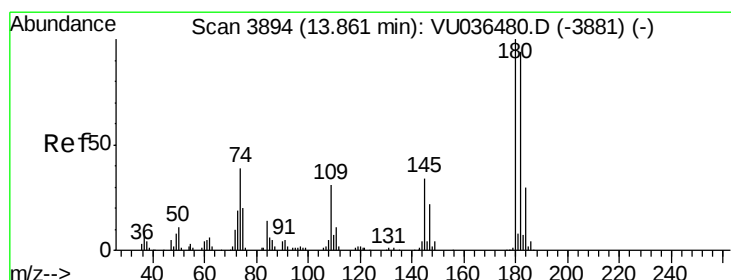
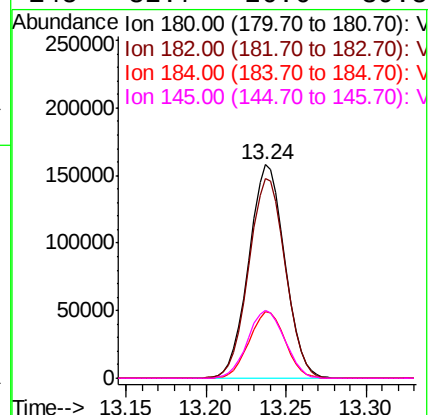
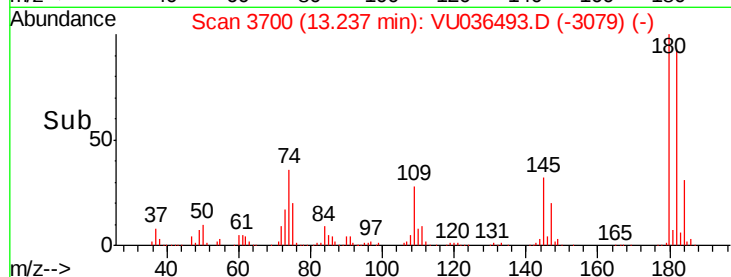
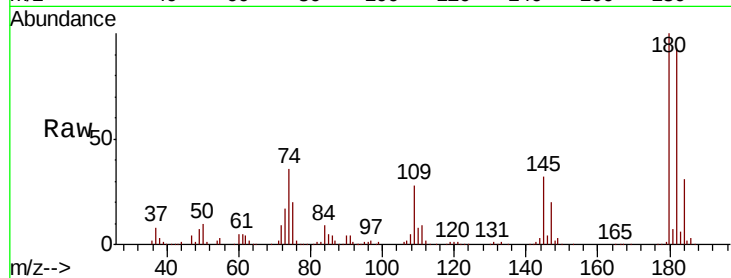




#67
 1,3,5-Trichlorobenzene
 Concen: 52.872 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

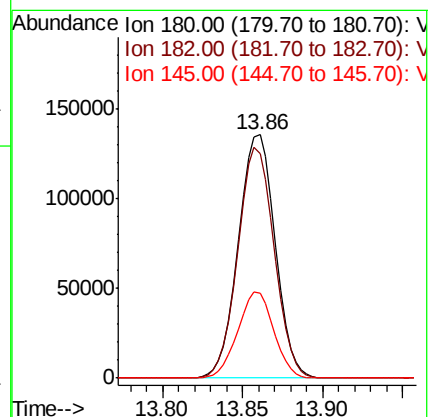
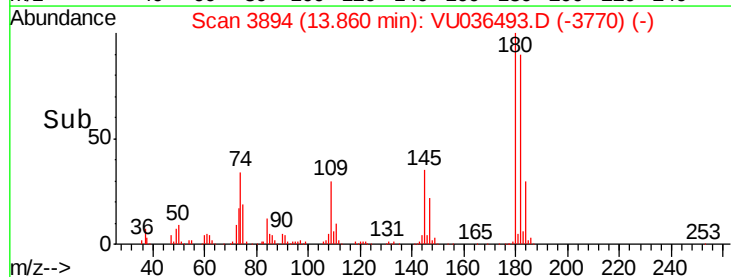
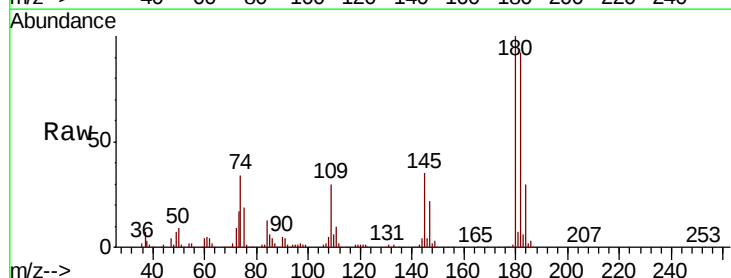
Instrument :
 MSVOA_U
 ClientSampled :

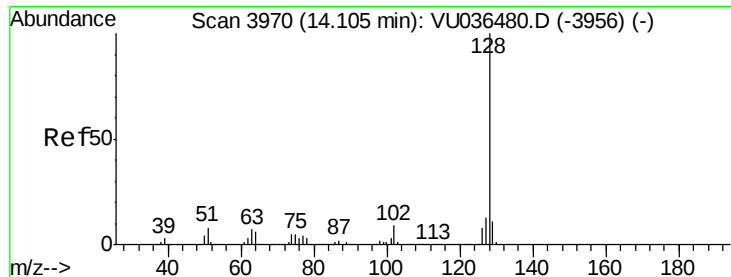
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.8	113.6
184	31.0	24.4	36.6
145	32.7	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 62.479 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036493.D
 Acq: 16 Jan 2020 01:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.1	111.1
145	34.6	26.6	40.0





#69

Naphthalene

Concen: 77.586 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

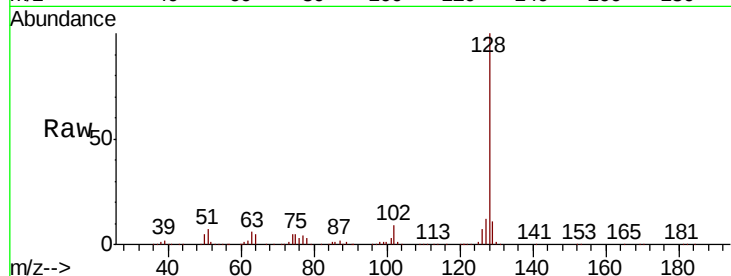
Tot Ion:128 Resp: 888041

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

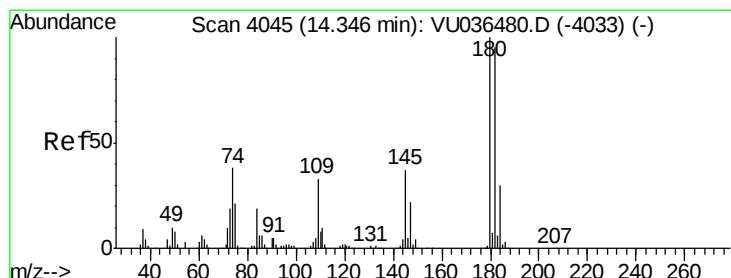
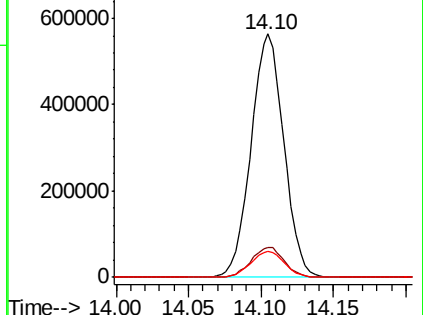
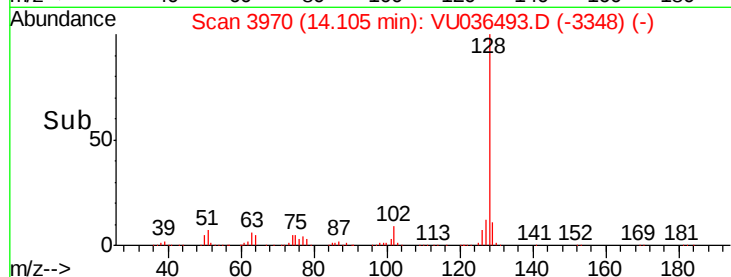
129 10.9 8.6 12.8



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: 64.017 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036493.D

Acq: 16 Jan 2020 01:54

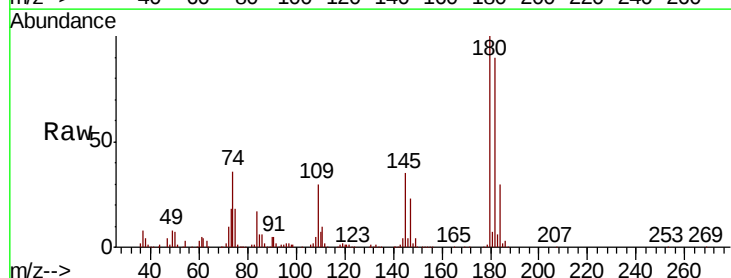
Tgt Ion:180 Resp: 224957

Ion Ratio Lower Upper

180 100

182 93.6 77.1 115.7

145 34.5 29.2 43.8



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

