

Data File : VU036606.D
Acq On : 29 Jan 2020 20:32
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Quant Time: Jan 30 02:53:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 30 02:48:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	314867	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	300345	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158034	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	98974	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.94%
7) Chloroethane-d5	1.93	69	83986	41.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.59	63	168623	44.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.44%
21) 2-Butanone-d5	4.67	46	141876	101.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.35%
24) Chloroform-d	5.11	84	173689	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.75	65	105313	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.50%
32) Benzene-d6	5.77	84	380690	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
36) 1,2-Dichloropropane-d6	6.73	67	117870	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.54%
41) Toluene-d8	7.93	98	370908	45.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.26%
43) trans-1,3-Dichloropropene-	8.21	79	57952	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
47) 2-Hexanone-d5	8.66	63	138278	113.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.26%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	181763	46.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.92%
64) 1,2-Dichlorobenzene-d4	12.21	152	151689	44.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	104868	43.724	ug/L 99
3) Chloromethane	1.54	50	111284	43.585	ug/L 98
5) Vinyl chloride	1.62	62	123601	45.400	ug/L 98
6) Bromomethane	1.87	94	76357	47.805	ug/L 97
8) Chloroethane	1.95	64	71909	43.826	ug/L 99
9) Trichlorofluoromethane	2.16	101	142123	44.391	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	91936	46.199	ug/L 97
12) 1,1-Dichloroethene	2.61	96	93817	47.938	ug/L 96
13) Acetone	2.66	43	90201	66.567	ug/L 98
14) Carbon disulfide	2.82	76	272340	46.058	ug/L 100
15) Methyl Acetate	2.98	43	104604	49.373	ug/L 100
16) Methylene chloride	3.08	84	109324	46.057	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	100045	47.588	ug/L 96
18) Methyl tert-butyl Ether	3.41	73	313273	46.529	ug/L 99
19) 1,1-Dichloroethane	3.92	63	172173	45.934	ug/L 98
20) cis-1,2-Dichloroethene	4.72	96	114647	47.975	ug/L 97
22) 2-Butanone	4.75	43	152277	93.530	ug/L 100

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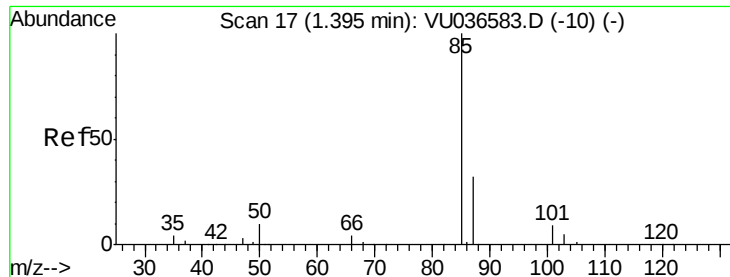
Quant Time: Jan 30 02:53:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	59576	47.987	ug/L	95
25) Chloroform	5.13	83	175131	45.560	ug/L	100
27) 1,2-Dichloroethane	5.84	62	129886	45.153	ug/L	98
29) Cyclohexane	5.43	56	159271	46.343	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	146422	46.436	ug/L	98
31) Carbon tetrachloride	5.56	117	127231	46.968	ug/L	100
33) Benzene	5.82	78	419358	46.701	ug/L	100
34) Trichloroethene	6.58	95	110420	47.773	ug/L	99
35) Methylcyclohexane	6.80	83	181418	47.061	ug/L	98
37) 1,2-Dichloropropane	6.83	63	106371	46.608	ug/L	100
38) Bromodichloromethane	7.14	83	132449	46.189	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	178335	48.500	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	294091	100.376	ug/L	99
42) Toluene	8.00	91	473365	48.498	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	155065	48.057	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	107424	46.925	ug/L	99
46) Tetrachloroethene	8.58	164	91918	48.953	ug/L	98
48) 2-Hexanone	8.72	43	226728	102.877	ug/L	96
49) Dibromochloromethane	8.84	129	114067	47.071	ug/L	98
50) 1,2-Dibromoethane	8.95	107	119102	48.265	ug/L	99
51) Chlorobenzene	9.47	112	304943	47.877	ug/L	99
52) Ethylbenzene	9.60	91	516092	48.269	ug/L	100
53) m,p-Xylene	9.72	106	206751	49.578	ug/L	97
54) o-xylene	10.12	106	204280	49.109	ug/L	96
55) Styrene	10.14	104	342527	50.741	ug/L	99
56) Isopropylbenzene	10.51	105	516378	48.825	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	187280	47.452	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	148221	48.043	ug/L	100
61) Bromoform	10.32	173	92423	43.975	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	252376	47.064	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	251141	47.571	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	247325	45.505	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	43547	50.182	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	193033	52.414	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	177535	67.645	ug/L	98
69) Naphthalene	14.10	128	1028444	135.417	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	175950	65.053	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 43.724 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

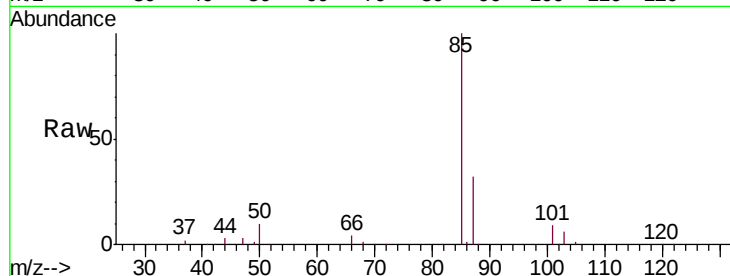
VSTD05048

Tgt Ion: 85 Resp: 104868

Ion Ratio Lower Upper

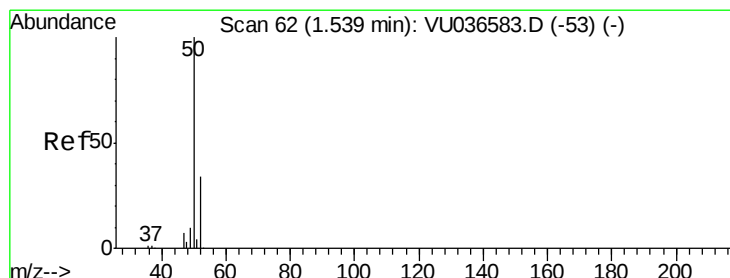
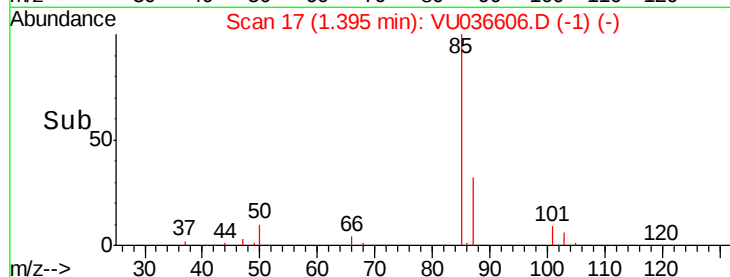
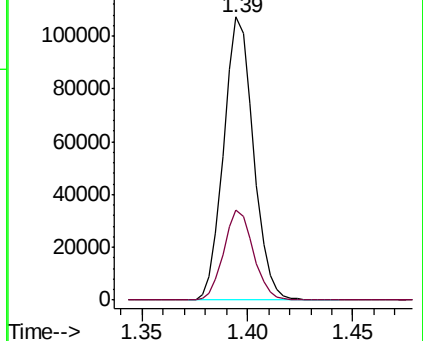
85 100

87 31.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036606.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036606.D (-1) (-)



#3

Chloromethane

Concen: 43.585 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036606.D

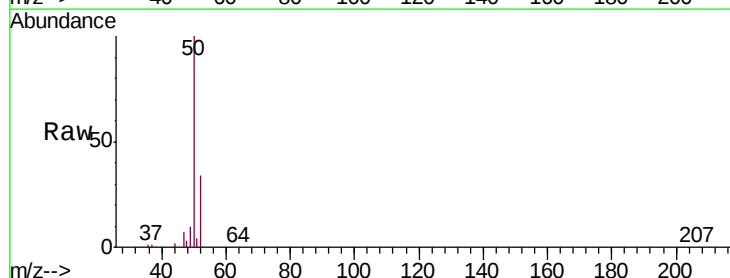
Acq: 29 Jan 2020 20:32

Tgt Ion: 50 Resp: 111284

Ion Ratio Lower Upper

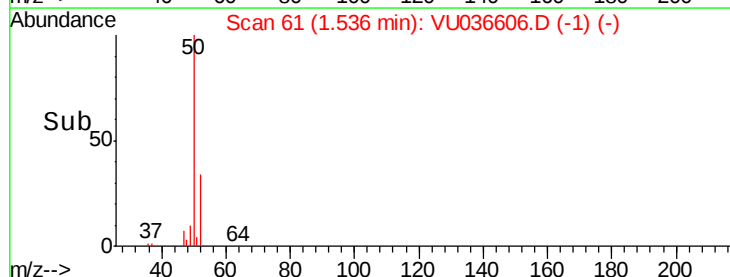
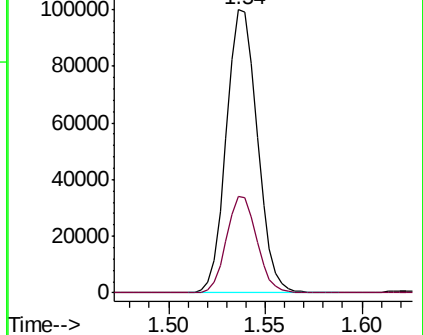
50 100

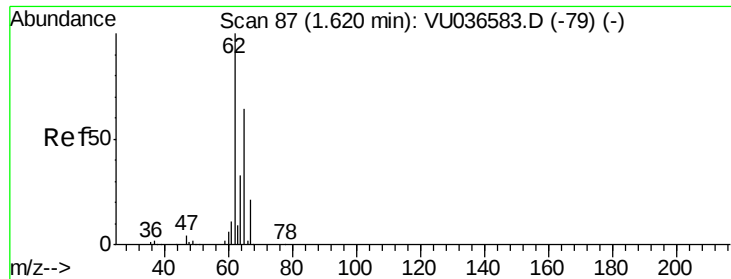
52 34.0 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU036606.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036606.D (-1) (-)





#5

Vinyl chloride

Concen: 45.400 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

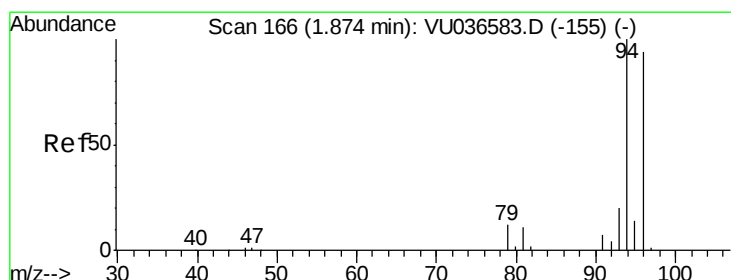
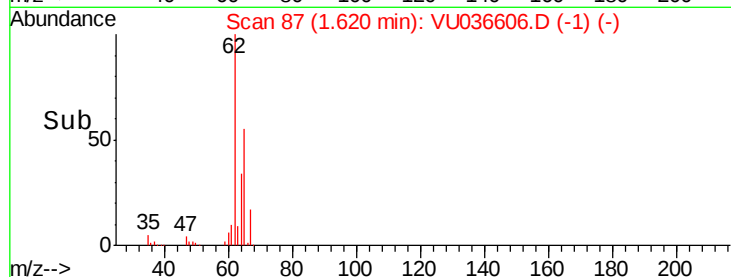
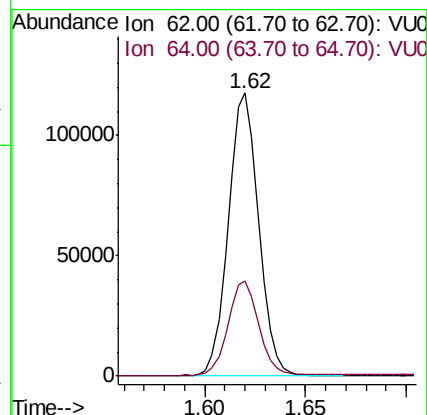
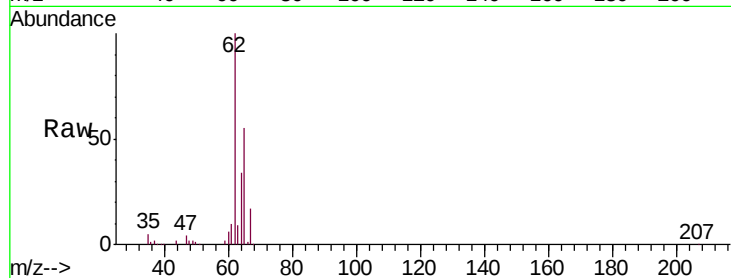
VSTD05048

Tgt Ion: 62 Resp: 123601

Ion Ratio Lower Upper

62 100

64 33.7 22.9 42.5



#6

Bromomethane

Concen: 47.805 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036606.D

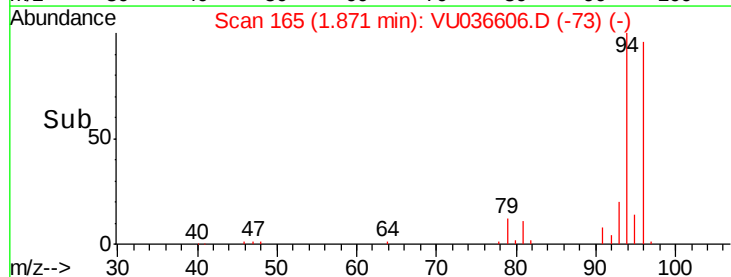
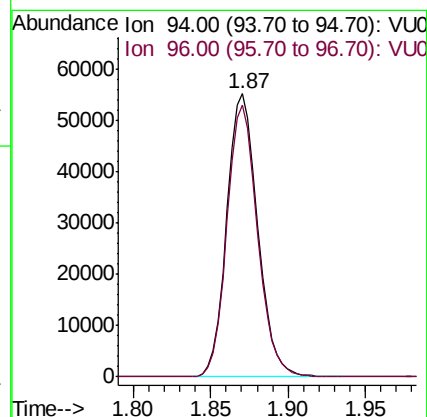
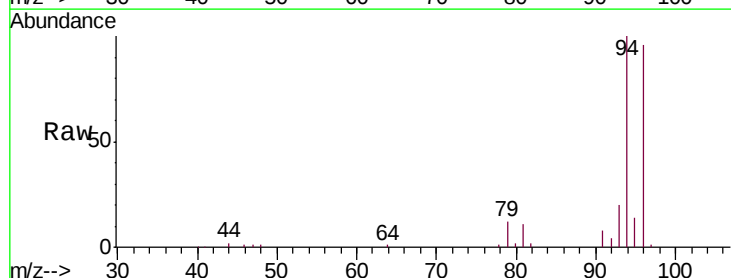
Acq: 29 Jan 2020 20:32

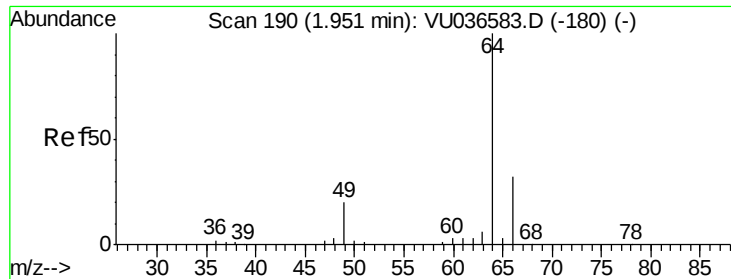
Tgt Ion: 94 Resp: 76357

Ion Ratio Lower Upper

94 100

96 95.9 64.8 120.4





#8

Chloroethane

Concen: 43.826 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

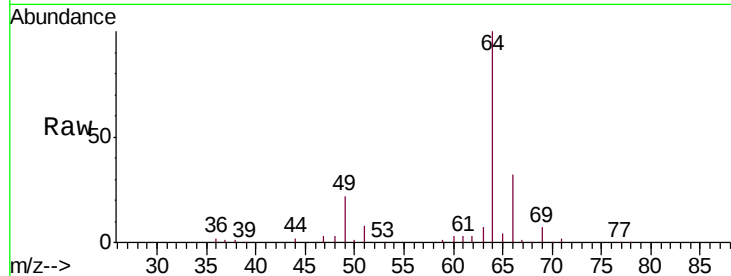
VSTD05048

Tgt Ion: 64 Resp: 71909

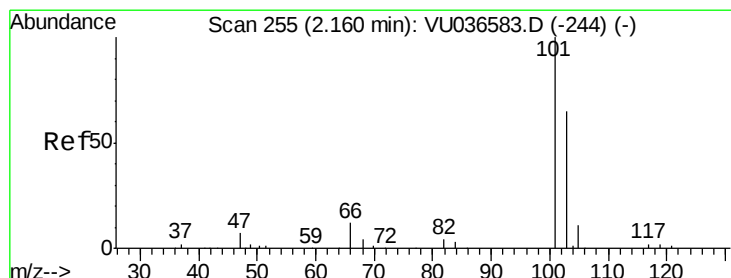
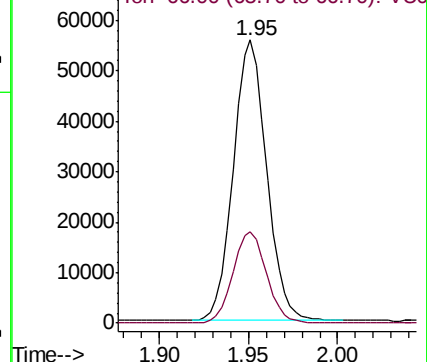
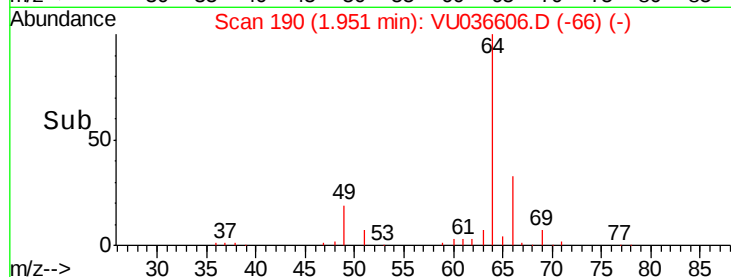
Ion Ratio Lower Upper

64 100

66 32.5 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU036606.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 44.391 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036606.D

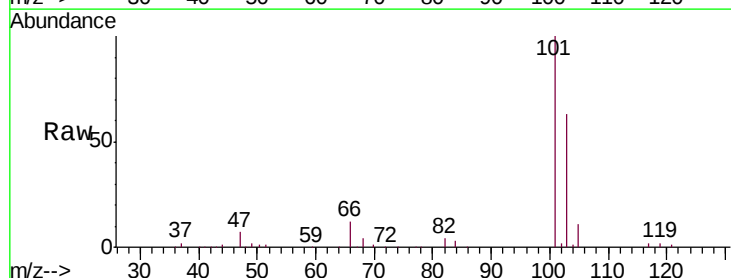
Acq: 29 Jan 2020 20:32

Tgt Ion: 101 Resp: 142123

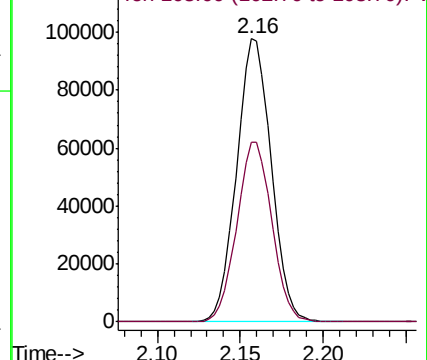
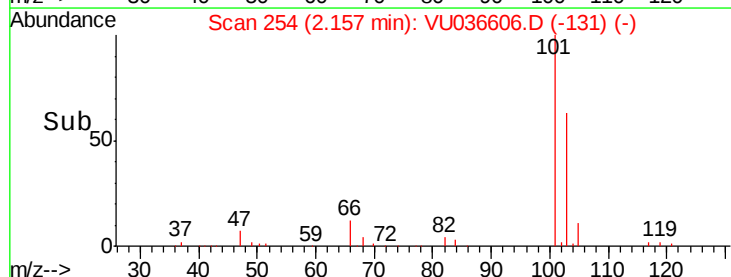
Ion Ratio Lower Upper

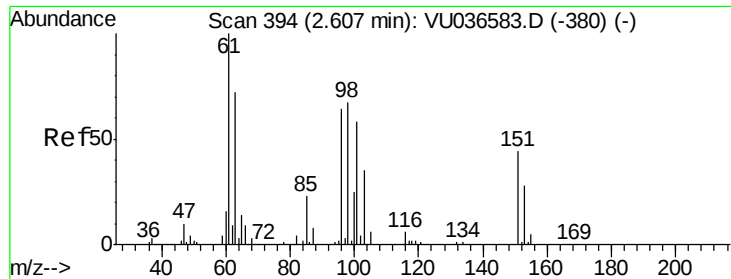
101 100

103 64.0 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU036606.D (-131) (-)





#10

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

Concen: 46.199 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

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VSTD05048

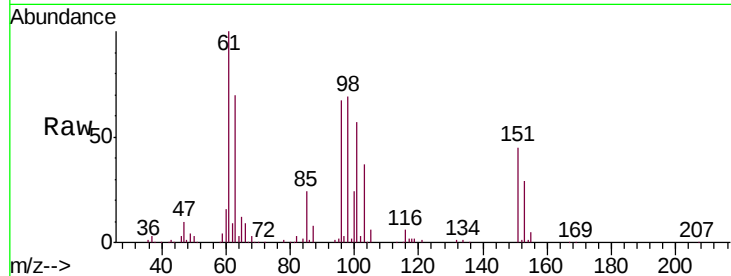
Tgt Ion:101 Resp: 91936

Ion Ratio Lower Upper

101 100

85 40.8 32.6 49.0

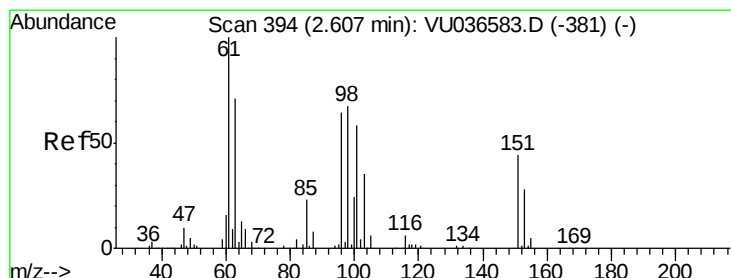
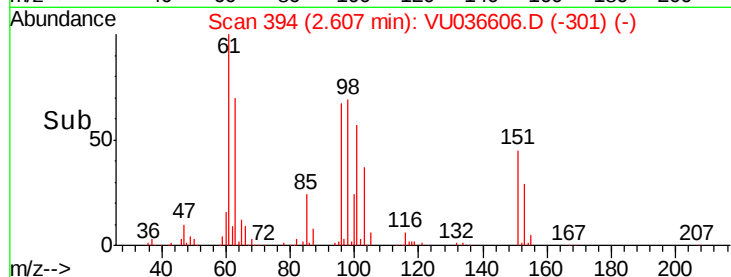
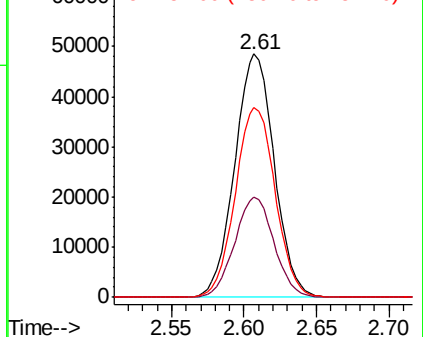
151 78.8 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.938 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

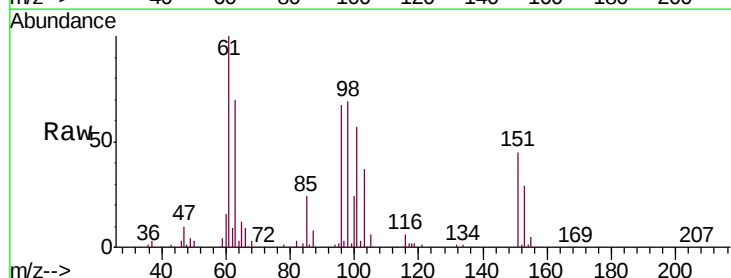
Tgt Ion: 96 Resp: 93817

Ion Ratio Lower Upper

96 100

61 148.2 108.6 201.8

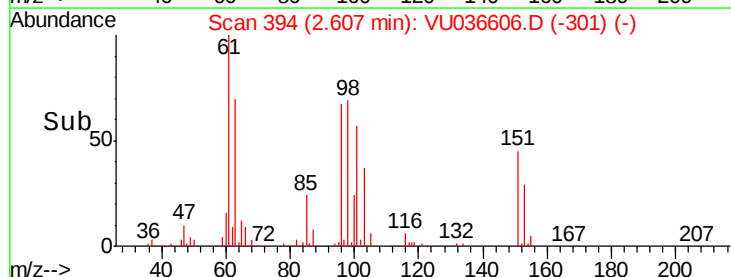
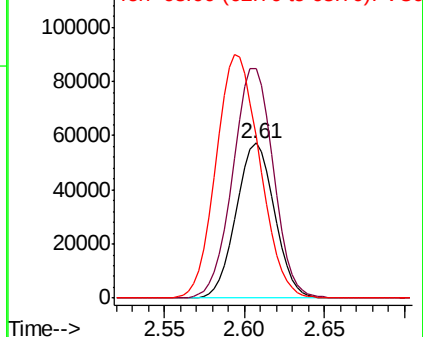
63 104.2 75.0 139.2

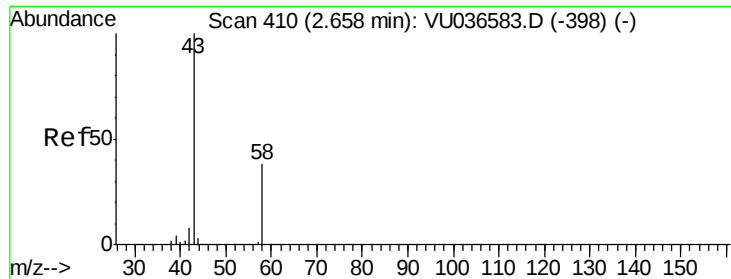


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 66.567 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036606.D

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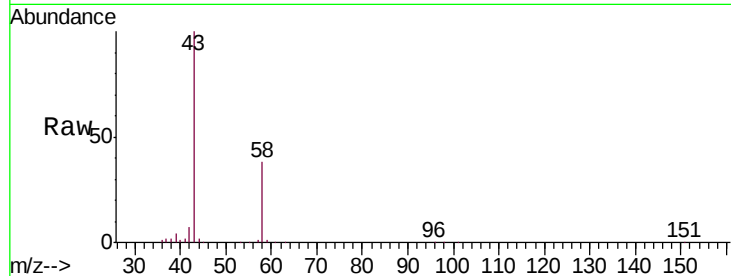
VSTD05048

Tgt Ion: 43 Resp: 90201

Ion Ratio Lower Upper

43 100

58 39.0 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036583.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036583.D (-398) (-)

2.66

60000

50000

40000

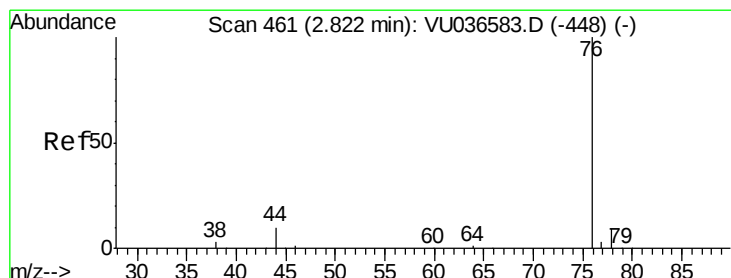
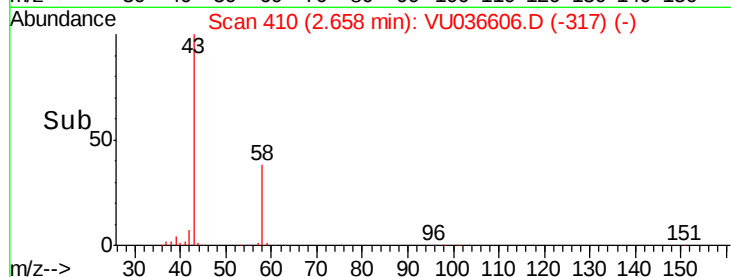
30000

20000

10000

0

Time-->



#14

Carbon disulfide

Concen: 46.058 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036606.D

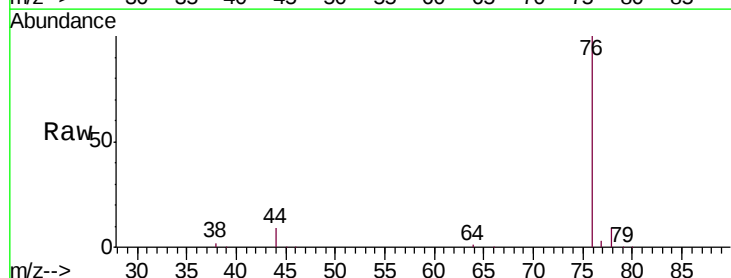
Acq: 29 Jan 2020 20:32

Tgt Ion: 76 Resp: 272340

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU036583.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU036583.D (-448) (-)

2.82

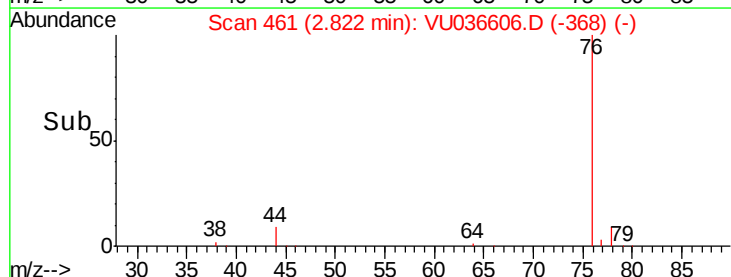
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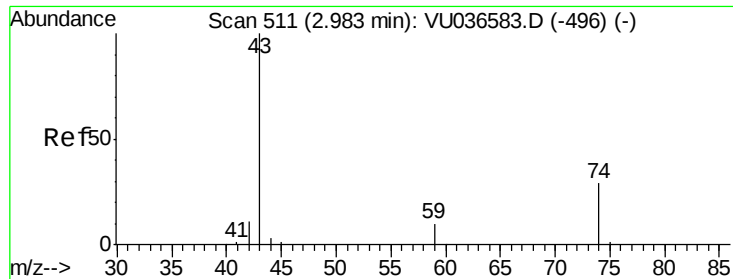
100000

50000

0

Time-->

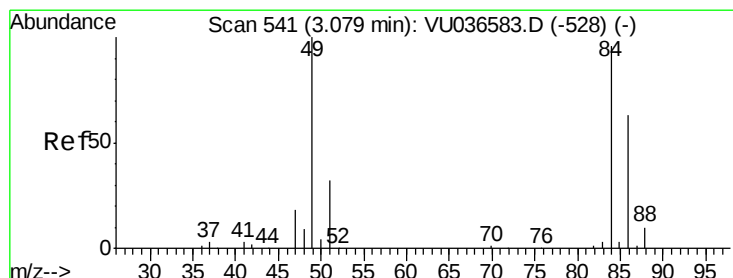
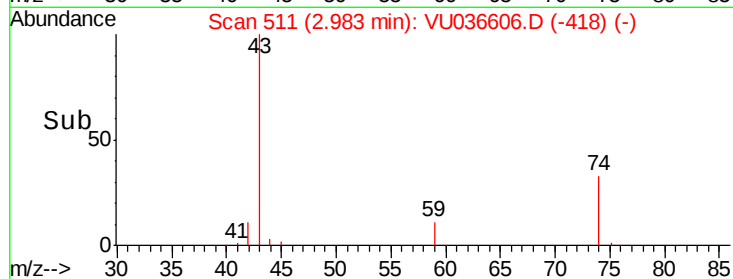
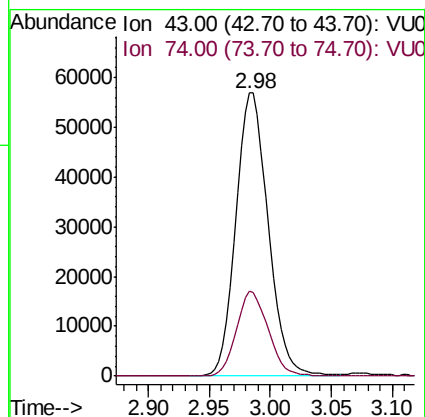
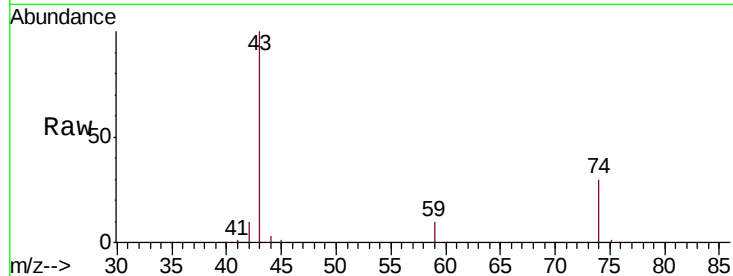




#15
Methyl Acetate
Concen: 49.373 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

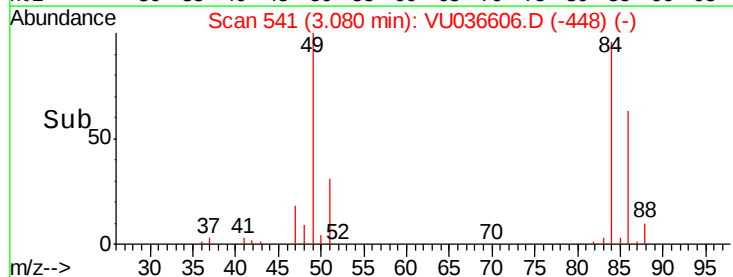
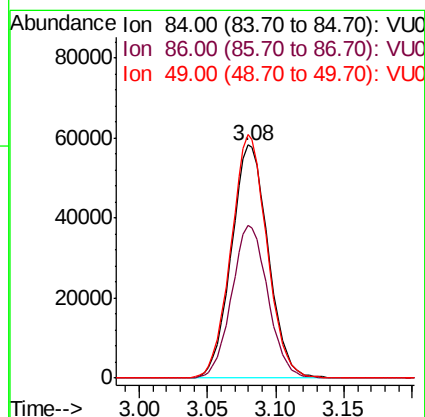
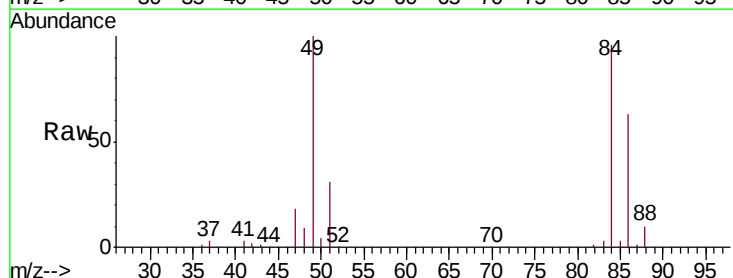
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

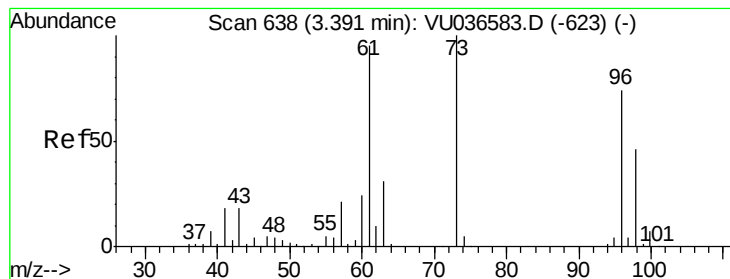
Tgt Ion: 43 Resp: 104604
Ion Ratio Lower Upper
43 100
74 29.2 23.3 34.9



#16
Methylene chloride
Concen: 46.057 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Tgt Ion: 84 Resp: 109324
Ion Ratio Lower Upper
84 100
86 65.4 44.1 81.9
49 104.5 73.3 136.1





#17

trans-1,2-Dichloroethene

Concen: 47.588 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

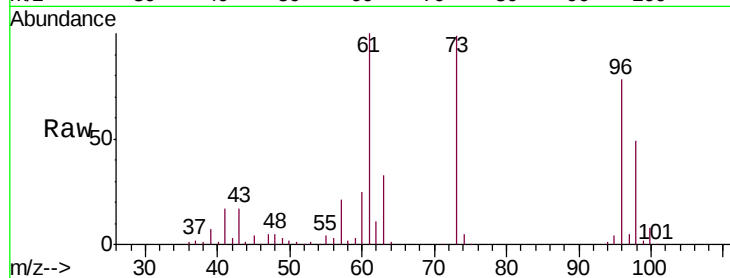
Tgt Ion: 96 Resp: 100045

Ion Ratio Lower Upper

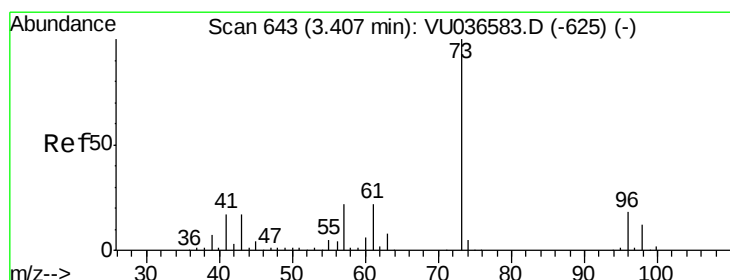
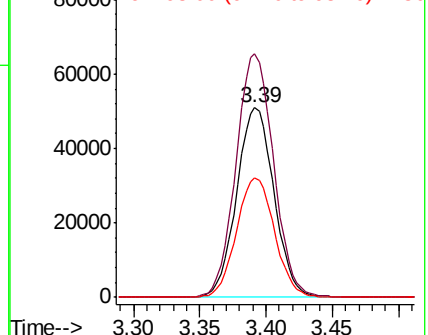
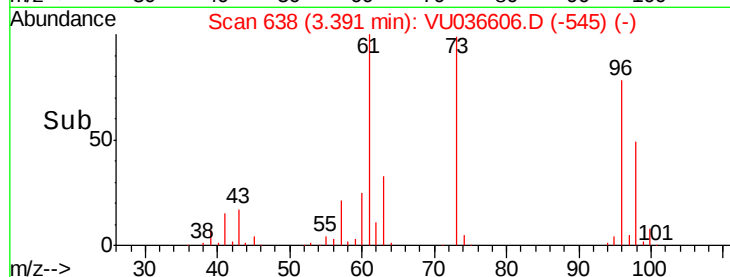
96 100

61 128.5 93.4 173.4

98 63.3 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU036606.D (-545) (-)



#18

Methyl tert-butyl Ether

Concen: 46.529 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

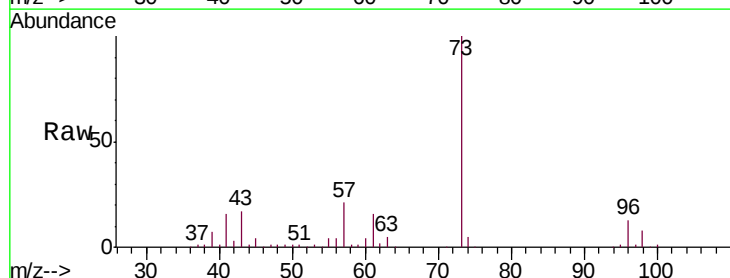
Tgt Ion: 73 Resp: 313273

Ion Ratio Lower Upper

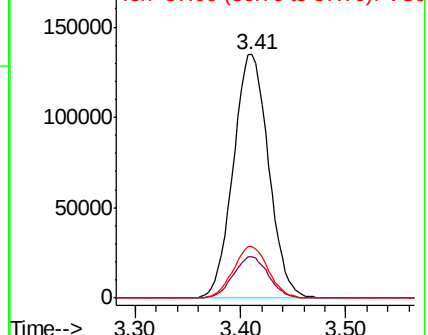
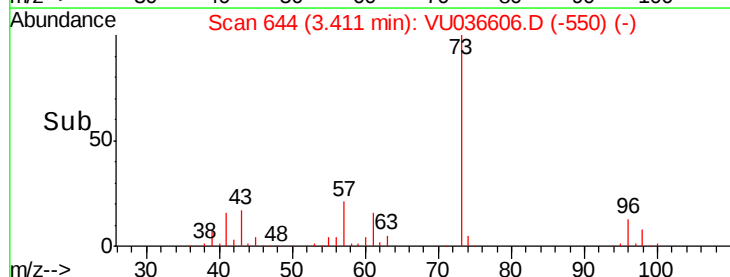
73 100

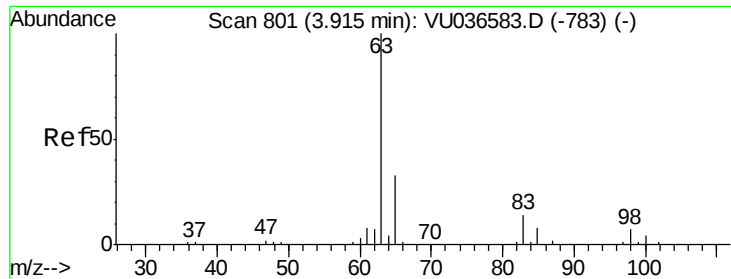
43 17.0 14.2 21.4

57 21.0 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VU036606.D (-550) (-)

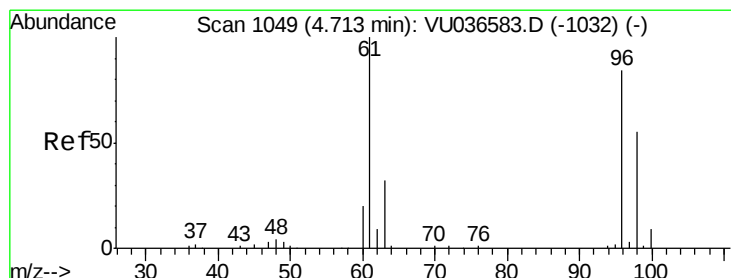
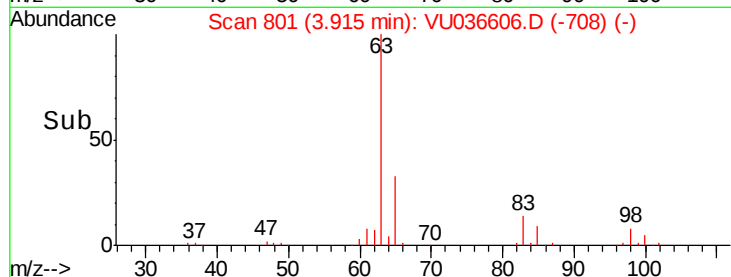
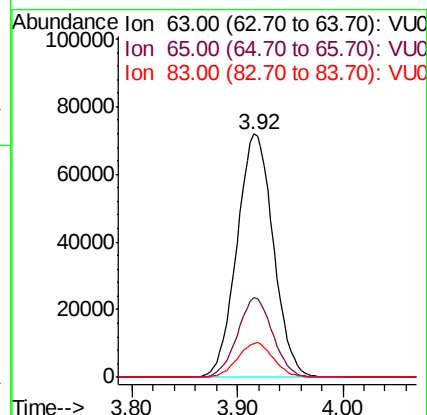
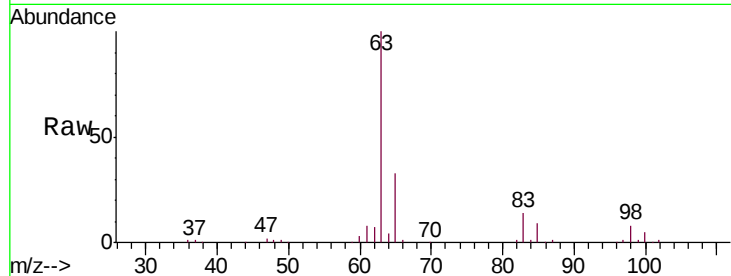




#19
 1,1-Dichloroethane
 Concen: 45.934 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

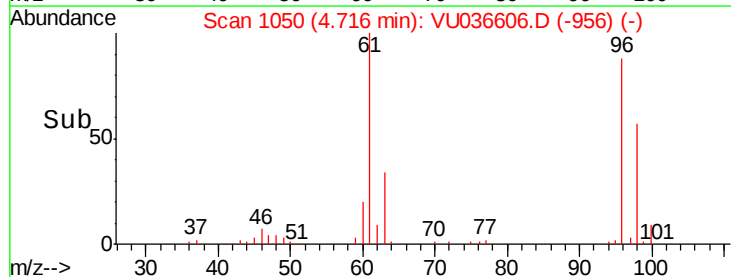
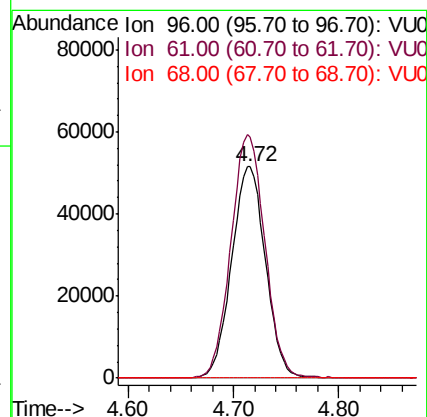
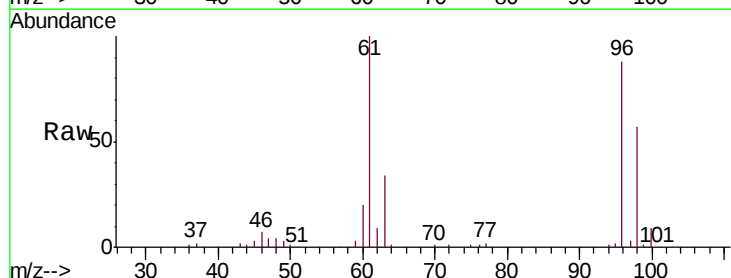
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

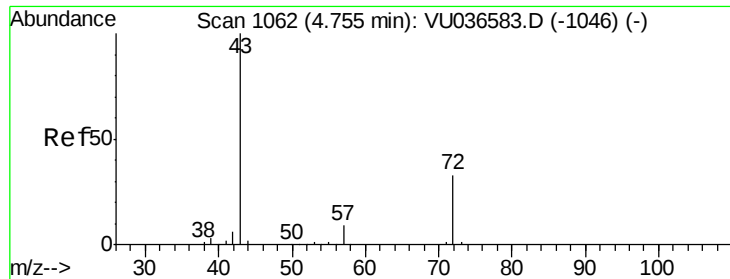
Tgt Ion: 63 Resp: 172173
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.9 40.7
 83 14.1 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.975 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

Tgt Ion: 96 Resp: 114647
 Ion Ratio Lower Upper
 96 100
 61 113.9 82.2 152.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 93.530 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

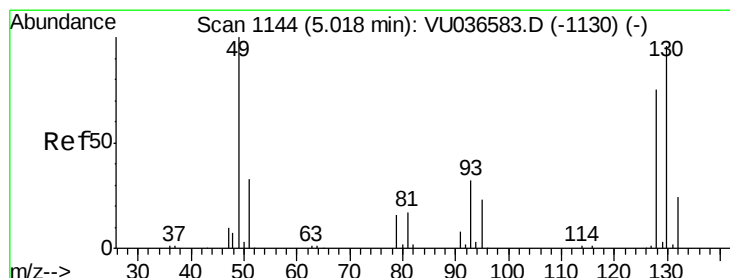
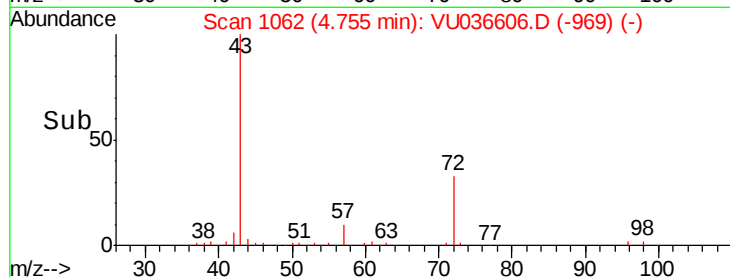
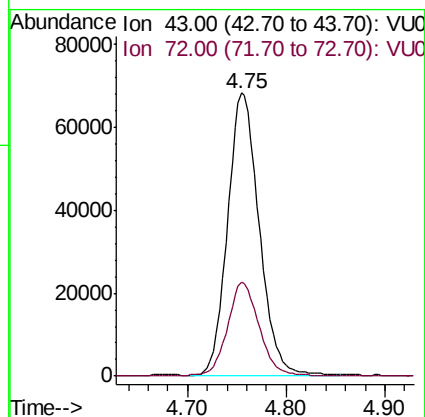
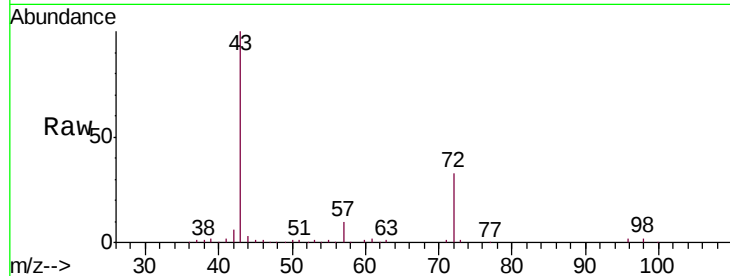
VSTD05048

Tgt Ion: 43 Resp: 152277

Ion Ratio Lower Upper

43 100

72 33.6 16.7 50.1



#23

Bromochloromethane

Concen: 47.987 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Tgt Ion: 128 Resp: 59576

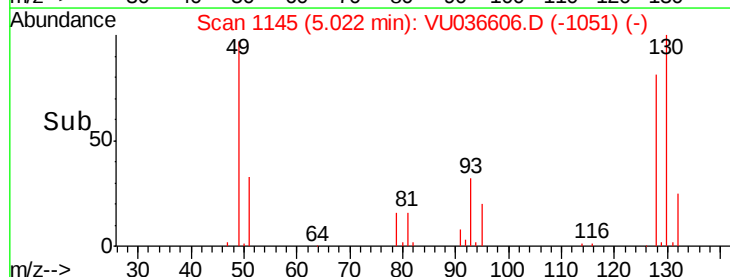
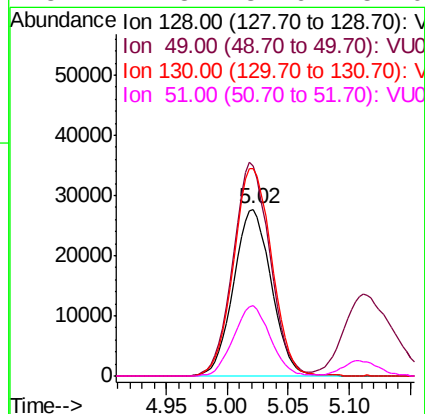
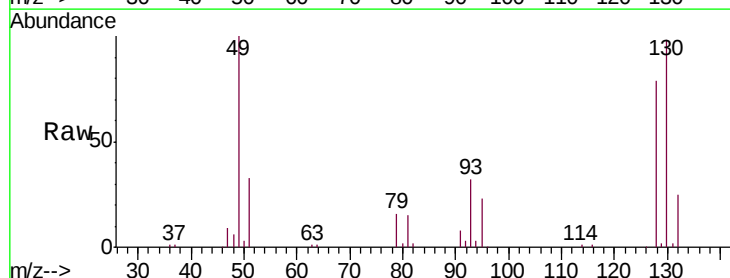
Ion Ratio Lower Upper

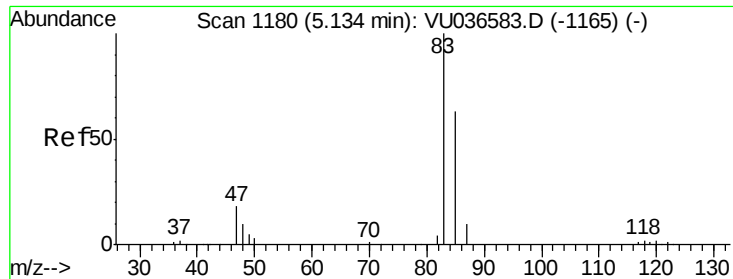
128 100

49 126.0 92.5 171.9

130 124.0 90.4 168.0

51 41.8 34.6 52.0

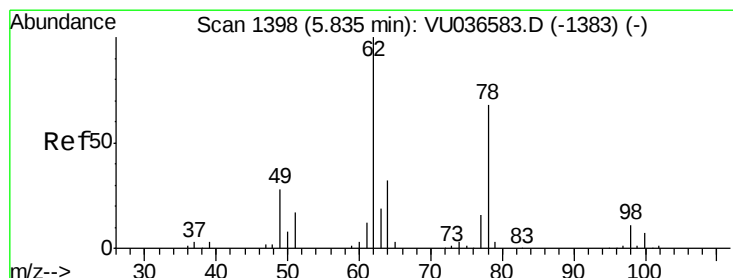
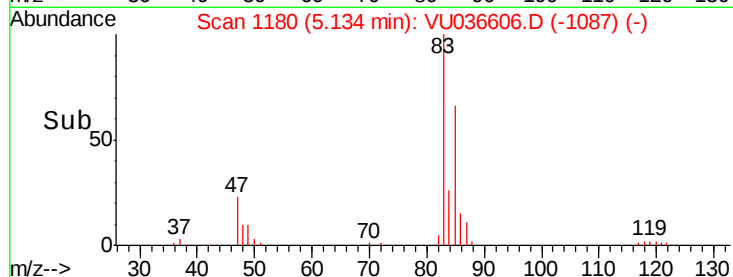
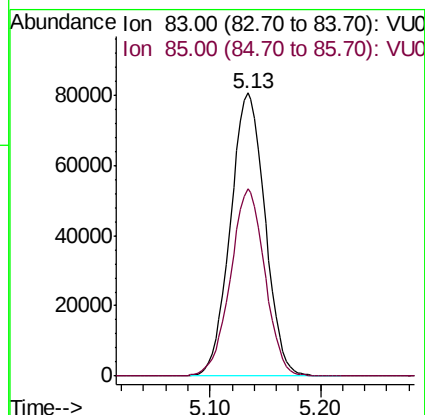
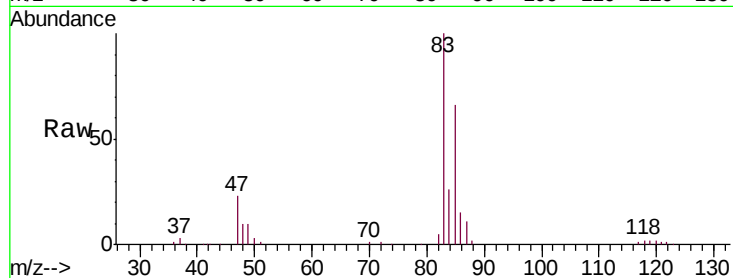




#25
Chloroform
Concen: 45.560 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

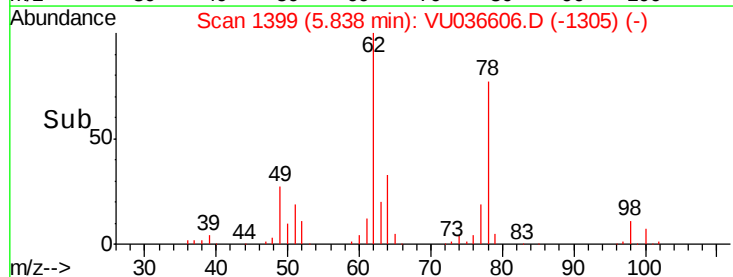
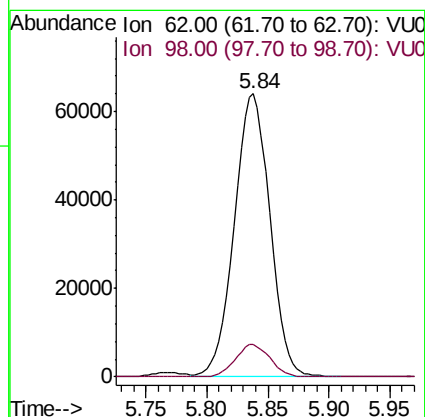
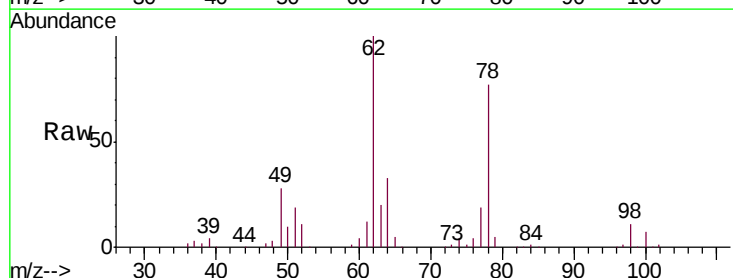
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

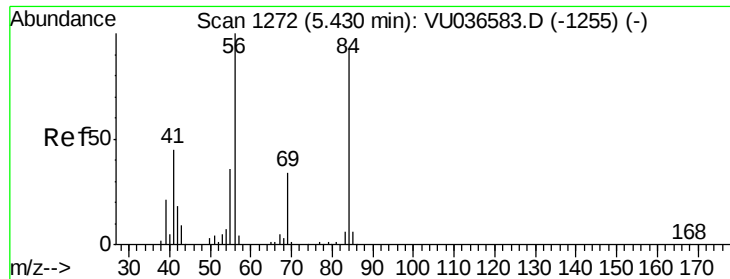
Tgt Ion: 83 Resp: 175131
Ion Ratio Lower Upper
83 100
85 66.2 46.3 85.9



#27
1,2-Dichloroethane
Concen: 45.153 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Tgt Ion: 62 Resp: 129886
Ion Ratio Lower Upper
62 100
98 11.4 8.4 12.6

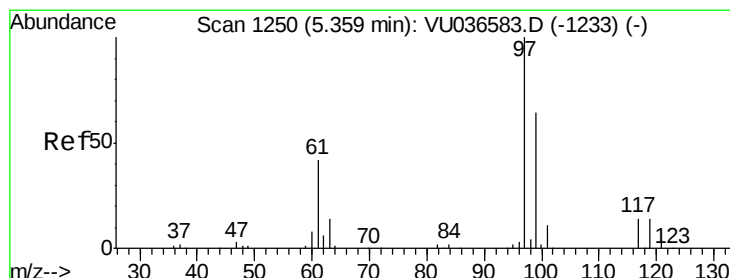
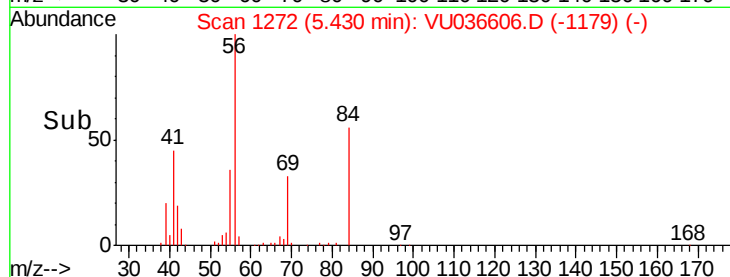
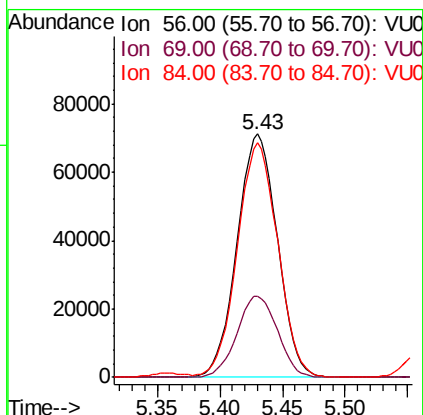
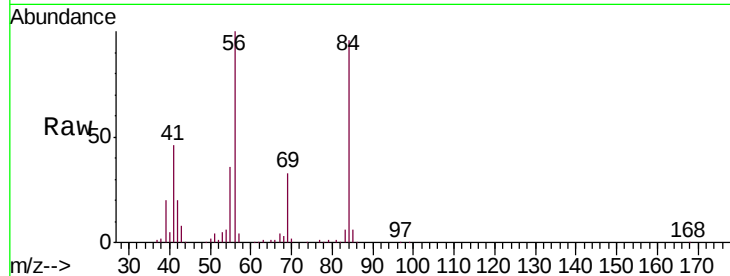




#29
Cyclohexane
Concen: 46.343 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

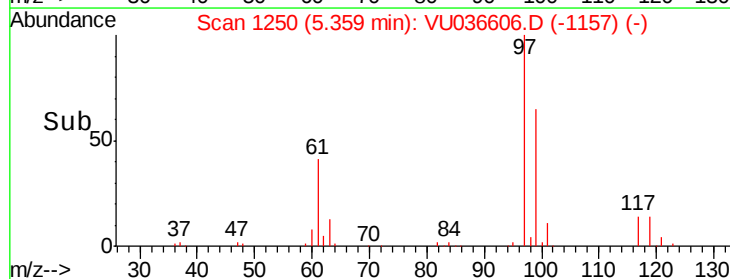
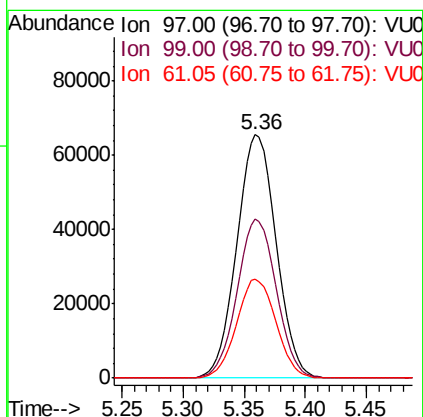
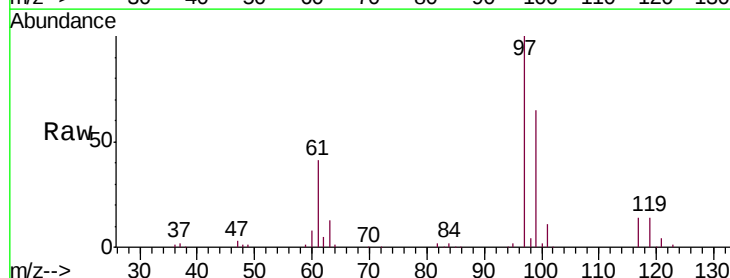
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

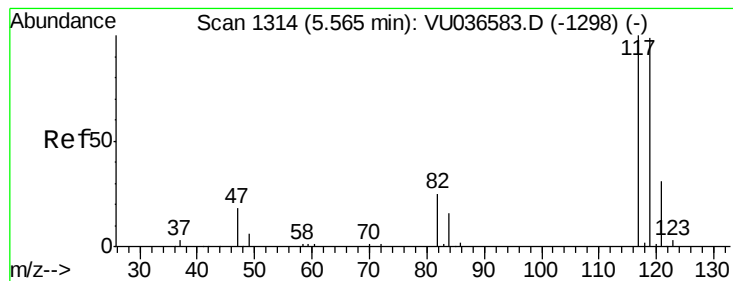
Tgt Ion: 56 Resp: 159271
Ion Ratio Lower Upper
56 100
69 33.5 26.4 39.6
84 96.6 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 46.436 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Tgt Ion: 97 Resp: 146422
Ion Ratio Lower Upper
97 100
99 65.1 51.0 76.4
61 40.8 34.1 51.1





#31

Carbon tetrachloride

Concen: 46.968 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

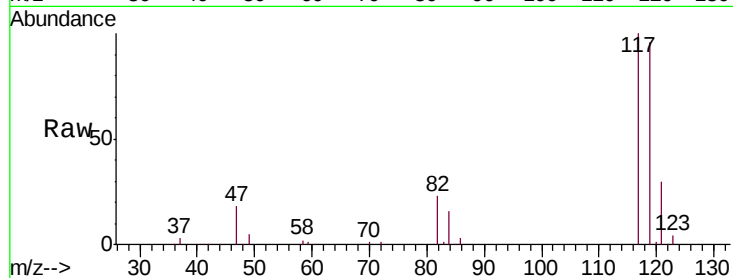
VSTD05048

Tgt Ion:117 Resp: 127231

Ion Ratio Lower Upper

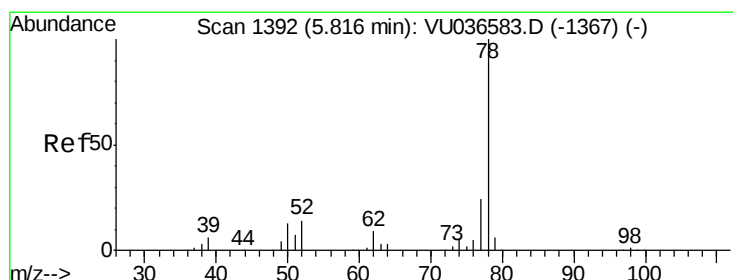
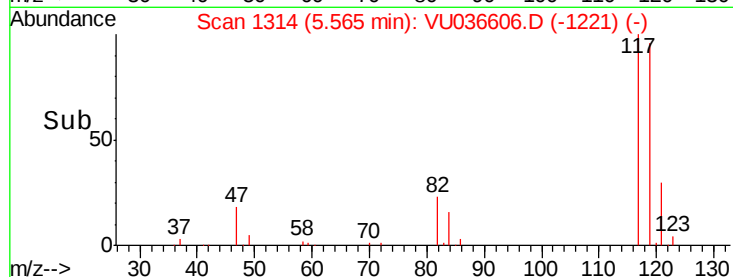
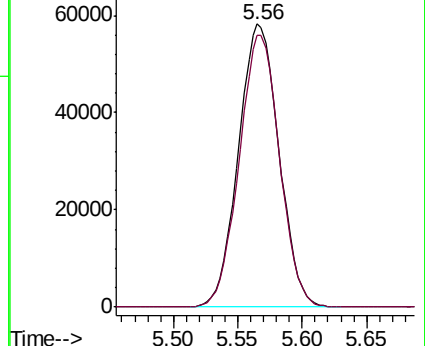
117 100

119 95.7 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.701 ug/L

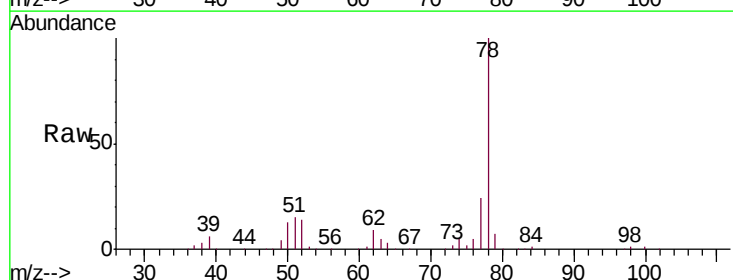
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

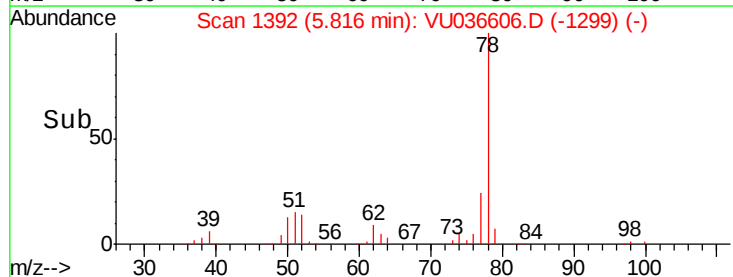
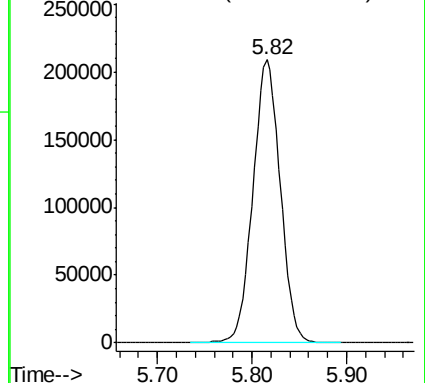
Lab File: VU036606.D

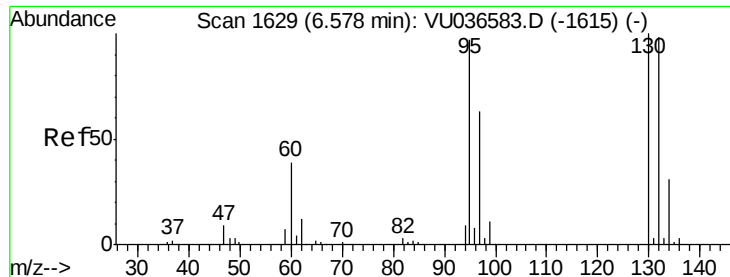
Acq: 29 Jan 2020 20:32

Tgt Ion: 78 Resp: 419358



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.773 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 95 Resp: 110420

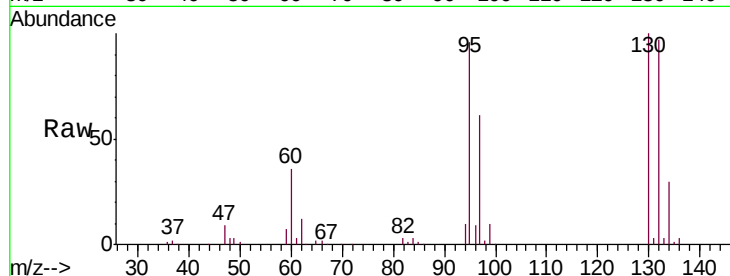
Ion Ratio Lower Upper

95 100

97 63.1 45.5 84.5

132 100.6 70.9 131.7

130 103.9 72.9 135.3

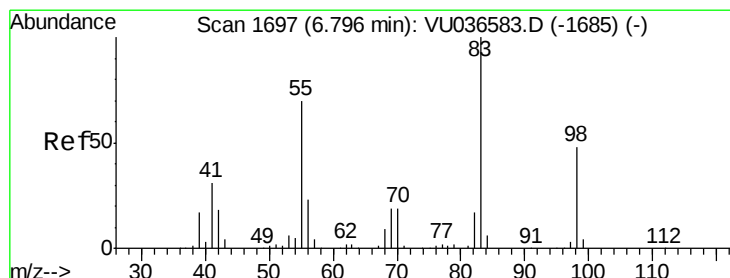
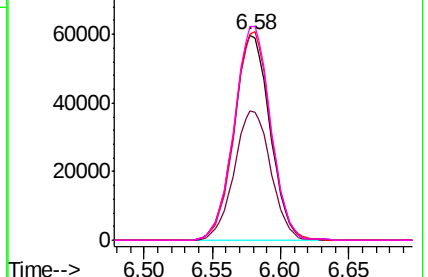
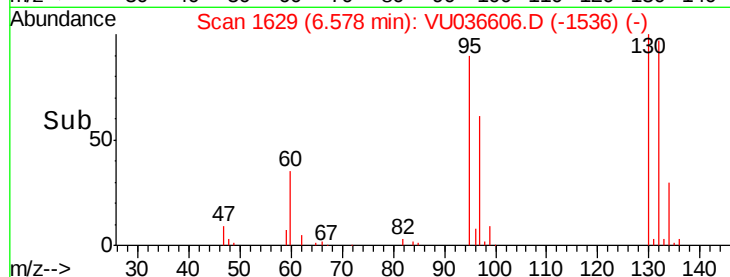


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 47.061 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

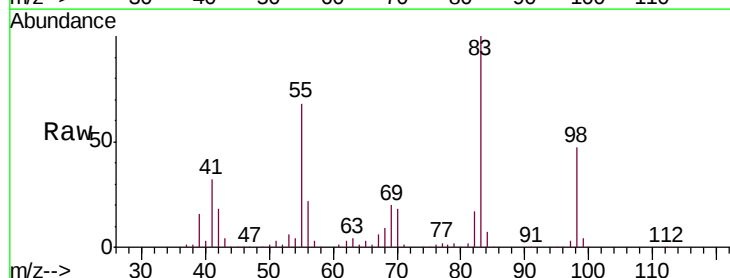
Tgt Ion: 83 Resp: 181418

Ion Ratio Lower Upper

83 100

55 67.9 56.1 84.1

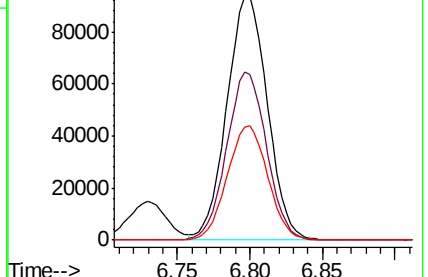
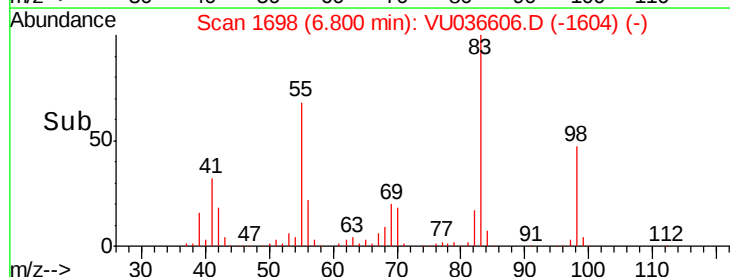
98 47.1 37.5 56.3

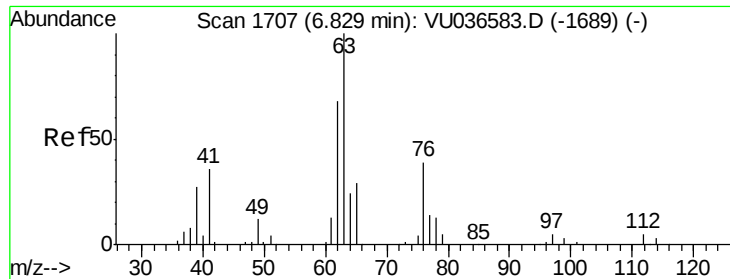


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

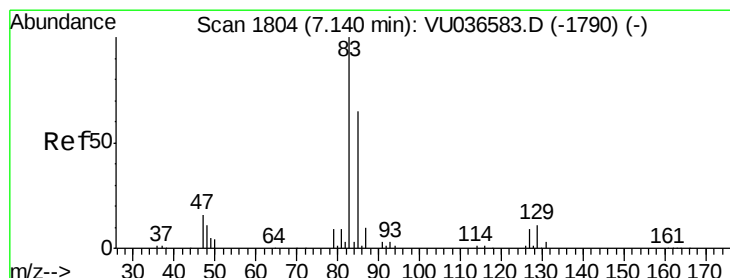
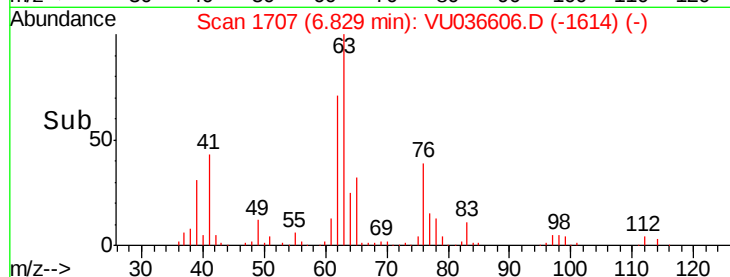
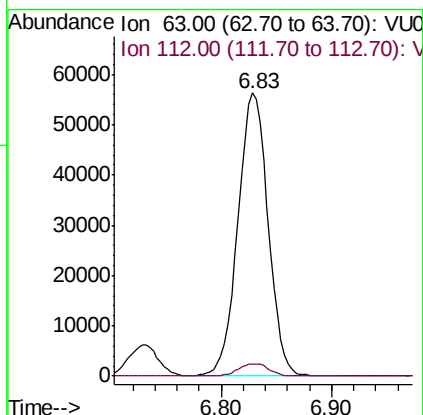
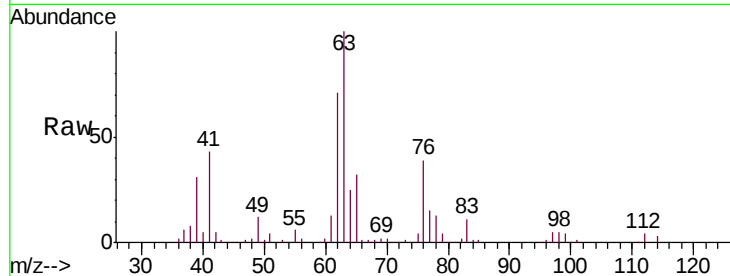




#37
 1,2-Dichloropropane
 Concen: 46.608 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

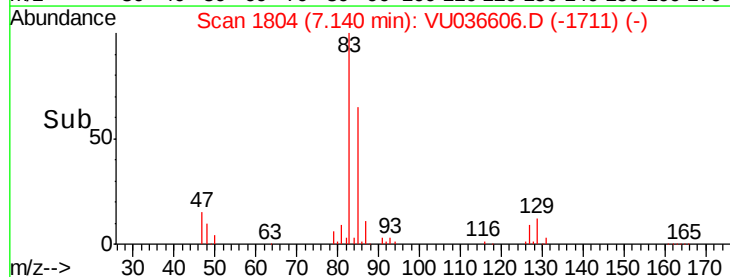
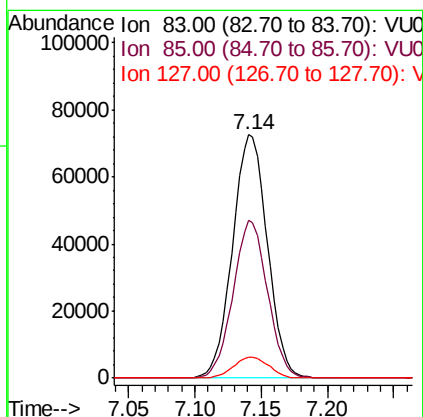
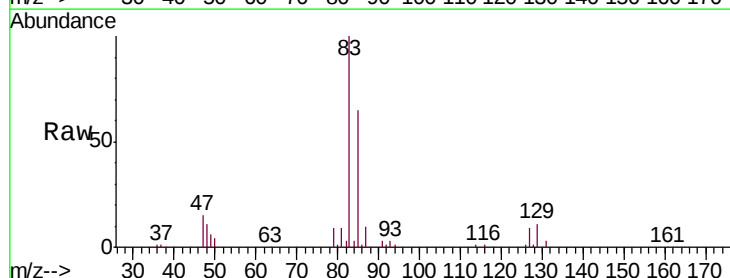
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

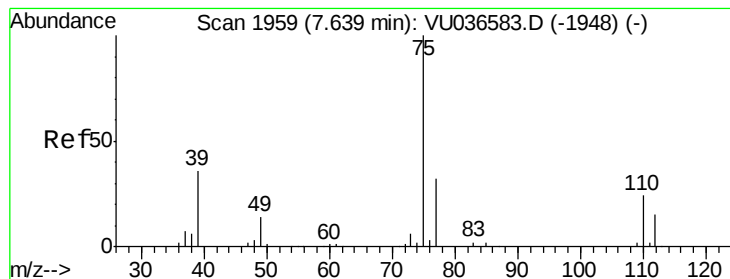
Tgt Ion: 63 Resp: 106371
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 46.189 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

Tgt Ion: 83 Resp: 132449
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.4 84.4
 127 8.6 7.2 10.8



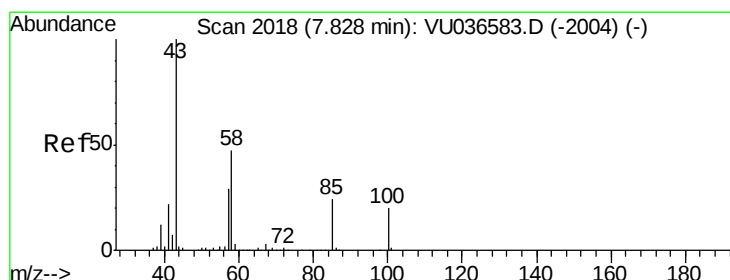
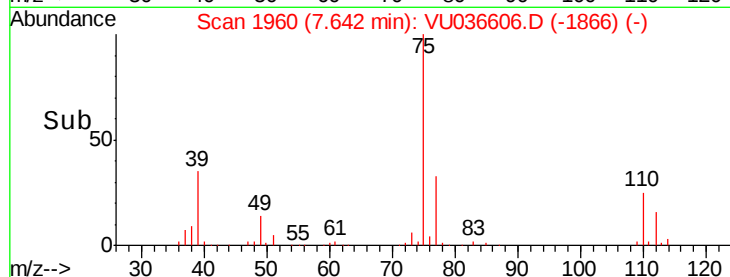
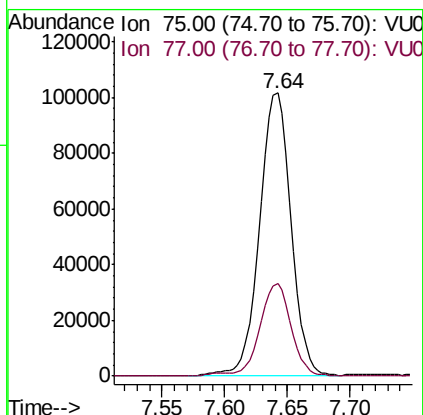
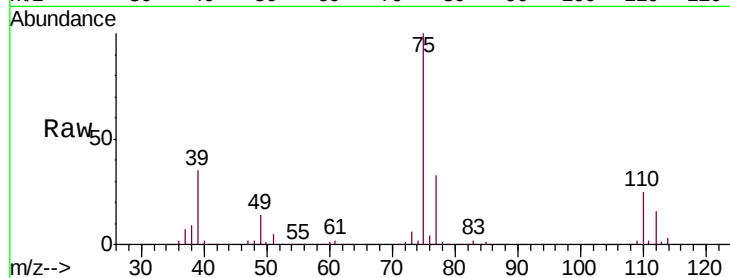


#39

cis-1,3-Dichloropropene
Concen: 48.500 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

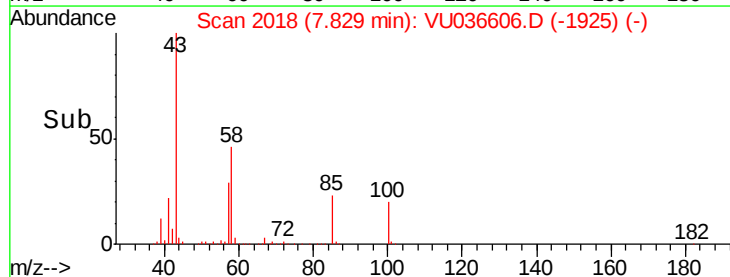
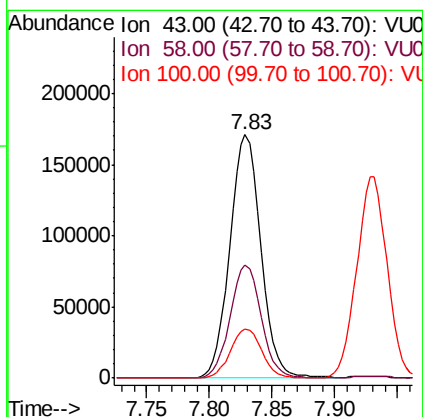
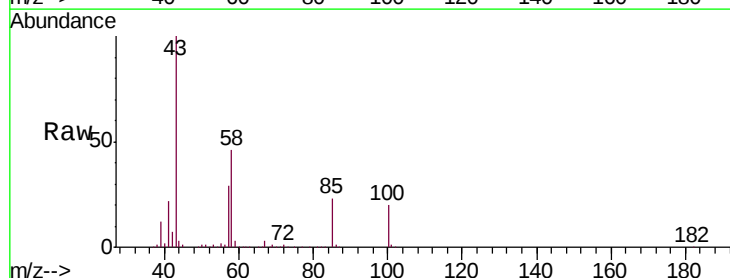
Tgt Ion: 75 Resp: 178335
Ion Ratio Lower Upper
75 100
77 32.6 22.5 41.9

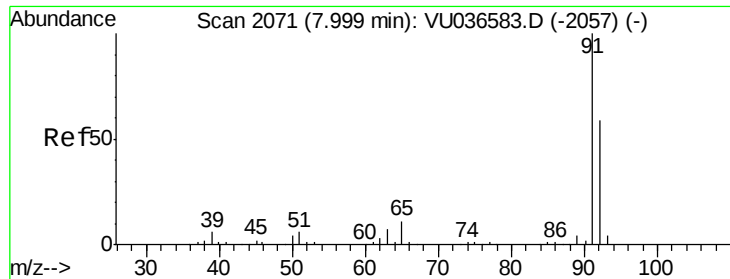


#40

4-Methyl-2-pentanone
Concen: 100.376 ug/L
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Tgt Ion: 43 Resp: 294091
Ion Ratio Lower Upper
43 100
58 46.7 37.0 55.4
100 20.4 15.8 23.6





#42

Toluene

Concen: 48.498 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

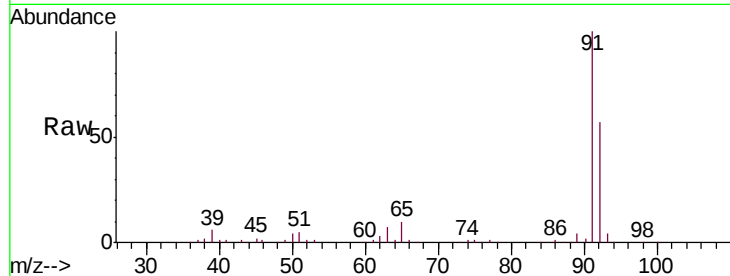
VSTD05048

Tgt Ion: 91 Resp: 473365

Ion Ratio Lower Upper

91 100

92 57.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036606.D (-1978) (-)

Ion 92.00 (91.70 to 92.70): VU036606.D (-1978) (-)

8.00

300000

250000

200000

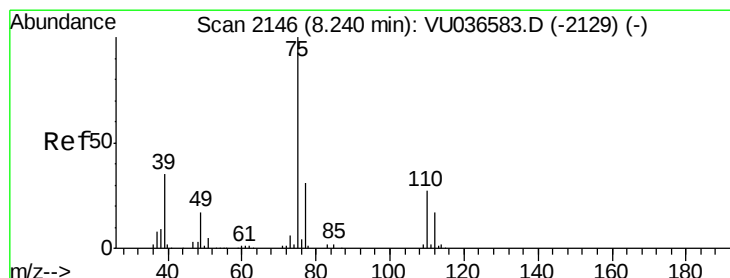
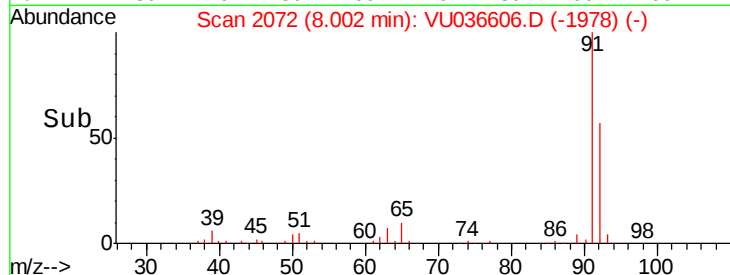
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.057 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036606.D

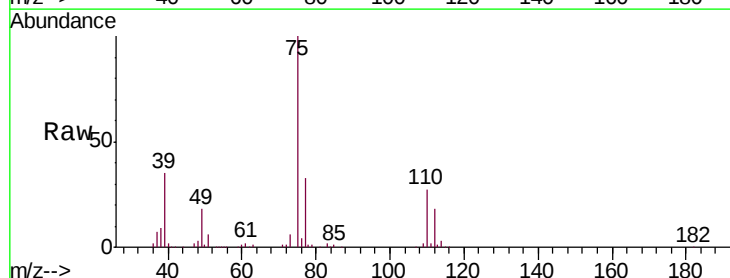
Acq: 29 Jan 2020 20:32

Tgt Ion: 75 Resp: 155065

Ion Ratio Lower Upper

75 100

77 32.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU036606.D (-2053) (-)

Ion 77.00 (76.70 to 77.70): VU036606.D (-2053) (-)

8.24

100000

80000

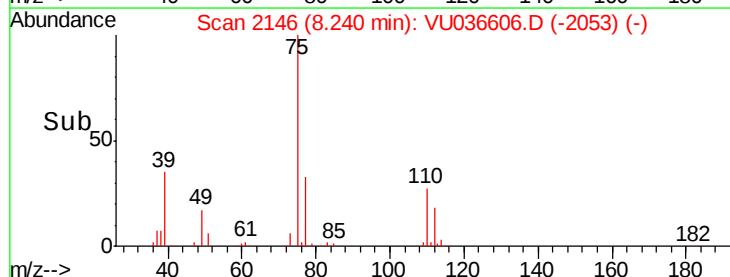
60000

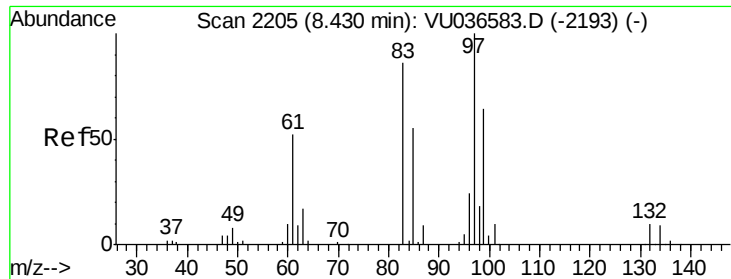
40000

20000

0

Time-->

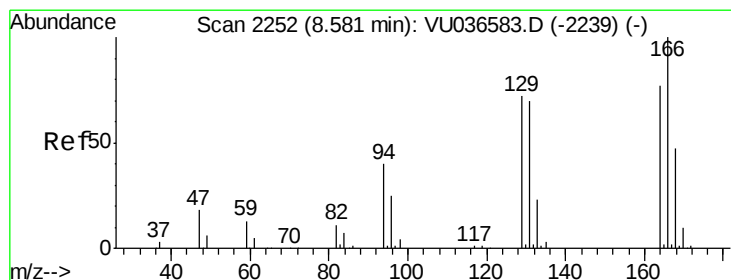
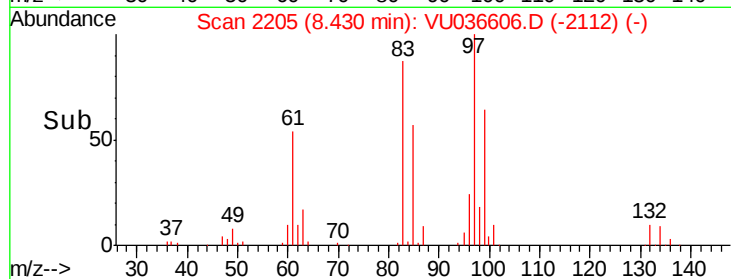
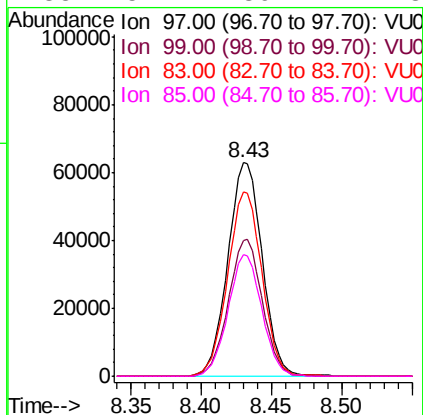
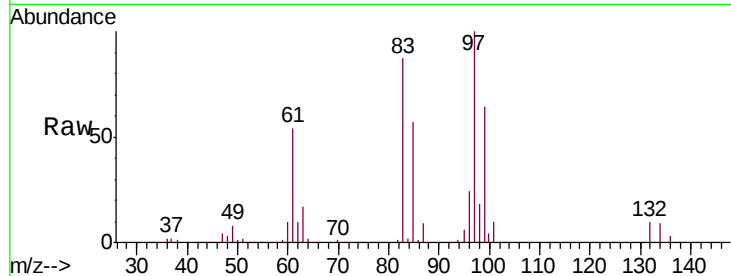




#45
 1,1,2-Trichloroethane
 Concen: 46.925 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

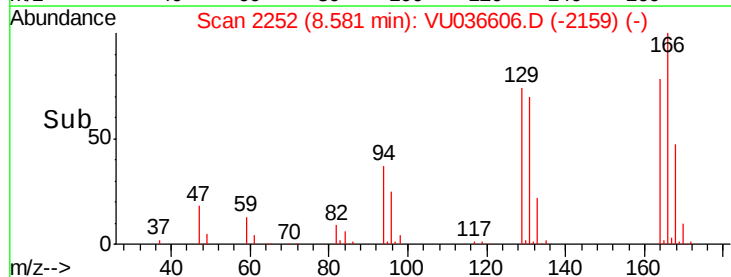
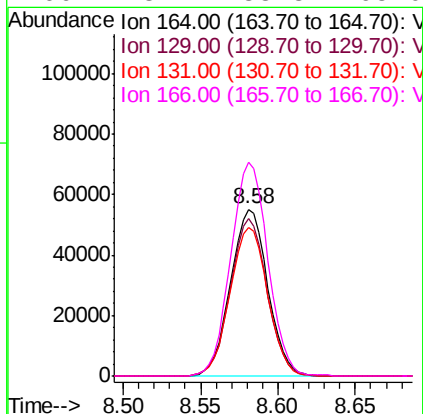
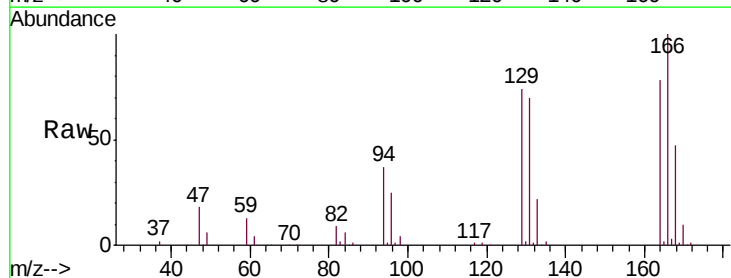
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05048

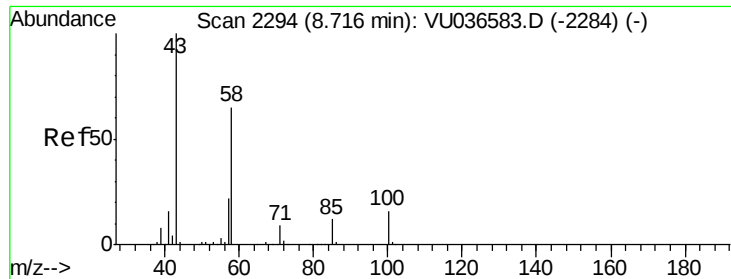
Tgt Ion:	97	Resp:	107424
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.1	81.9
83	86.6	61.2	113.6
85	57.2	39.2	72.8



#46
 Tetrachloroethene
 Concen: 48.953 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

Tgt Ion:	164	Resp:	91918
Ion	Ratio	Lower	Upper
164	100		
129	94.5	64.2	119.2
131	89.5	61.8	114.8
166	128.4	88.8	165.0

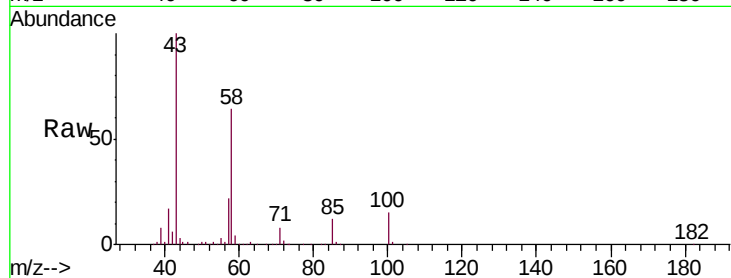




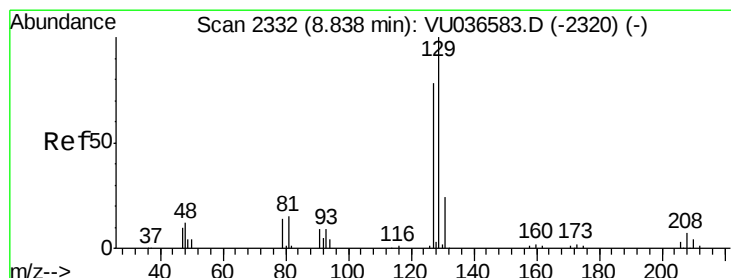
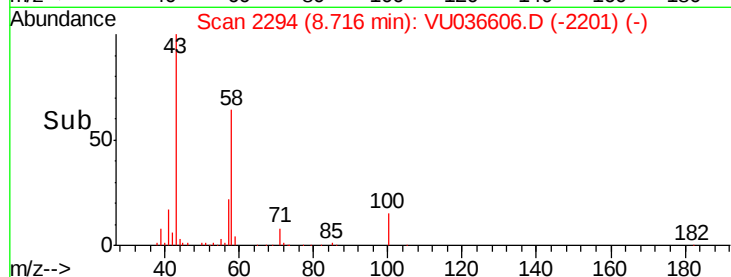
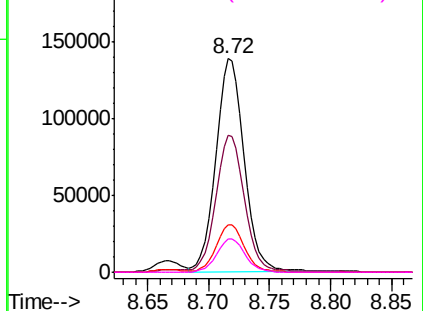
#48
2-Hexanone
Concen: 102.877 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion: 43 Resp: 226728
Ion Ratio Lower Upper
43 100
58 66.0 49.4 74.0
57 22.4 17.1 25.7
100 15.8 11.9 17.9

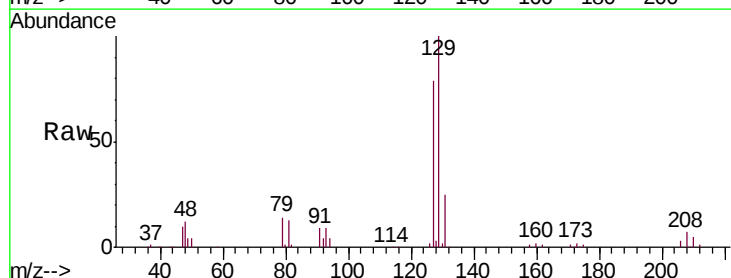


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

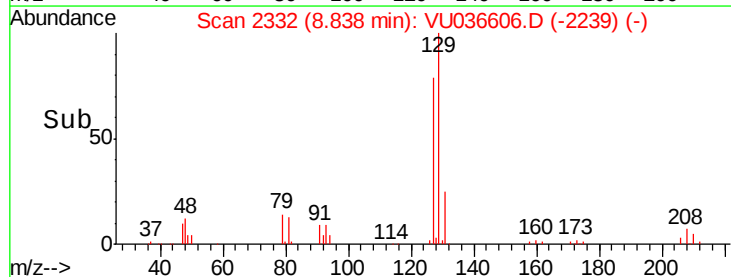
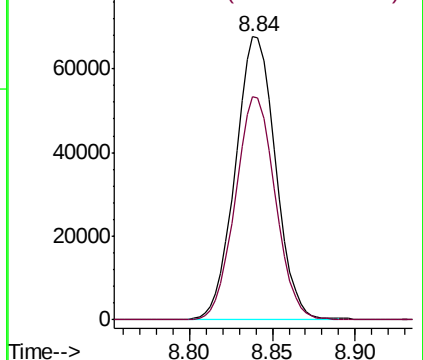


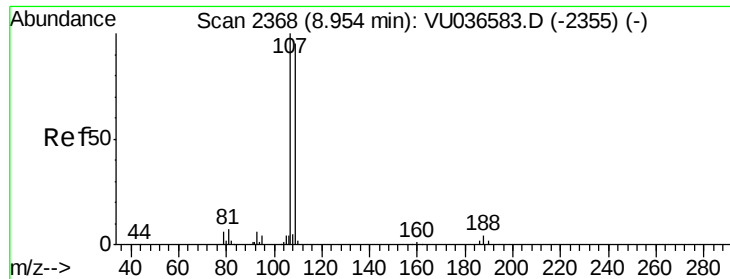
#49
Dibromochloromethane
Concen: 47.071 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Tgt Ion: 129 Resp: 114067
Ion Ratio Lower Upper
129 100
127 79.0 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

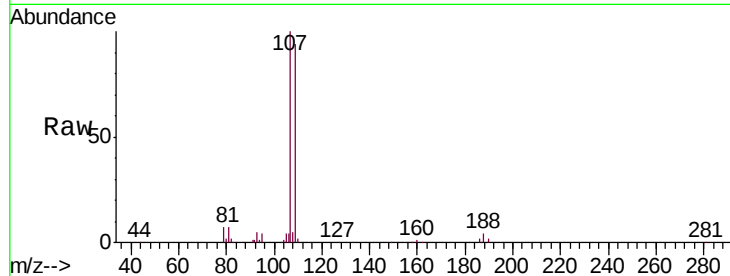




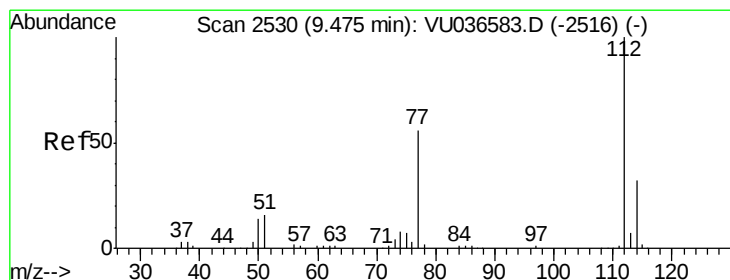
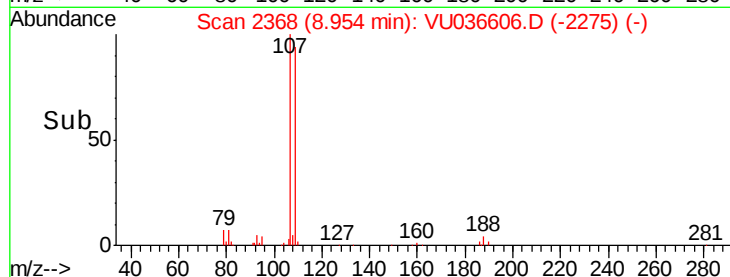
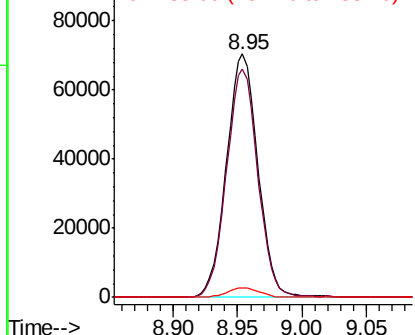
#50
1,2-Dibromoethane
Concen: 48.265 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.3	123.1
188	3.9	3.1	4.7

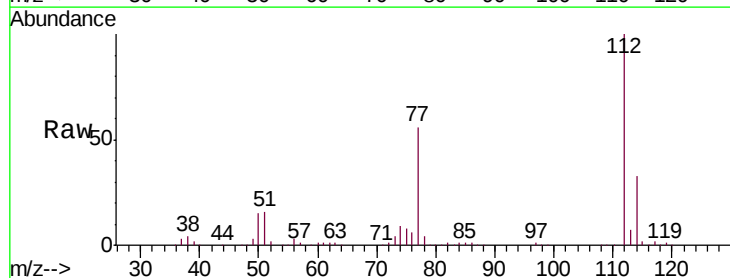


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

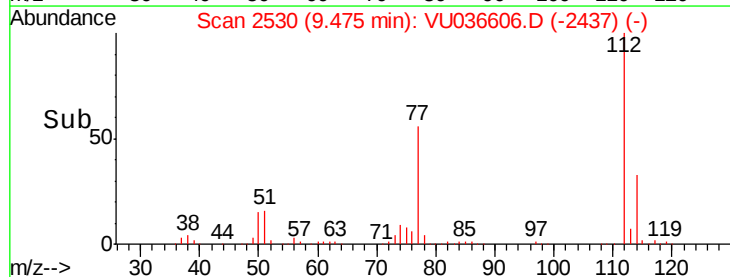
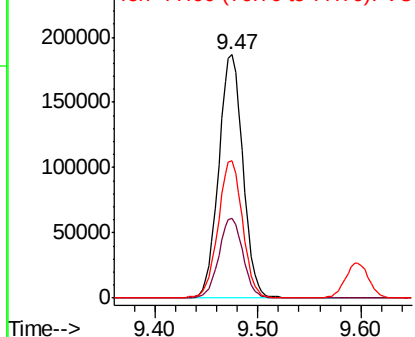


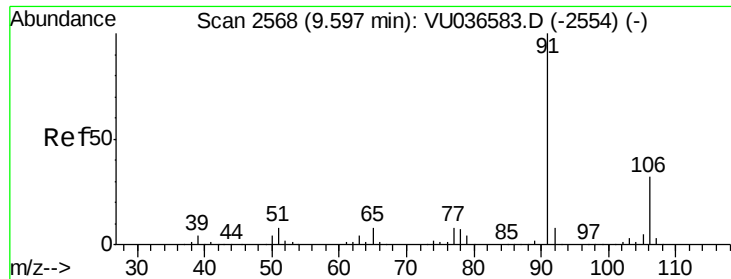
#51
Chlorobenzene
Concen: 47.877 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036606.D
Acq: 29 Jan 2020 20:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.3	41.5
77	56.2	45.7	68.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 48.269 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

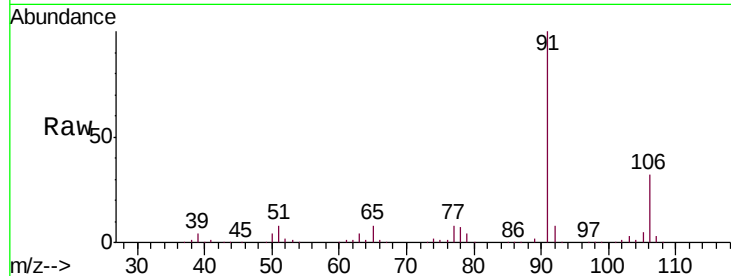
VSTD05048

Tgt Ion: 91 Resp: 516092

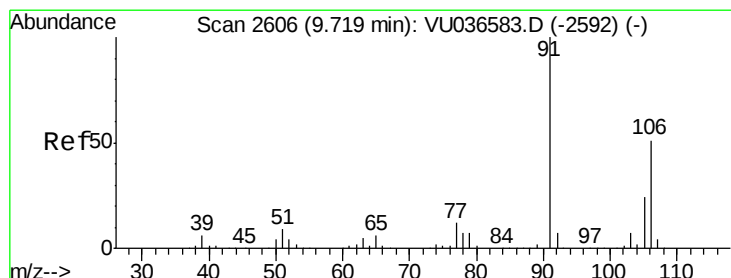
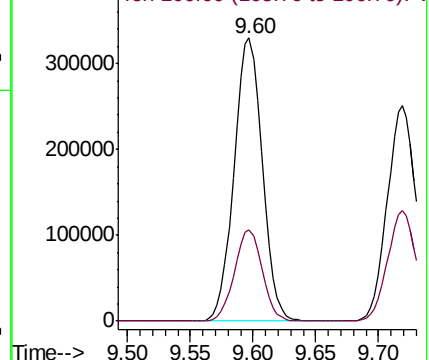
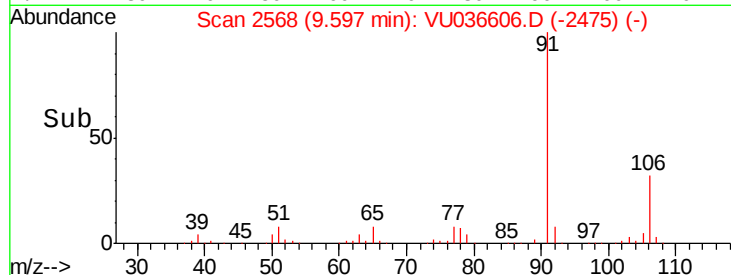
Ion Ratio Lower Upper

91 100

106 32.4 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036606.D (-2475) (-)



#53

m,p-Xylene

Concen: 49.578 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036606.D

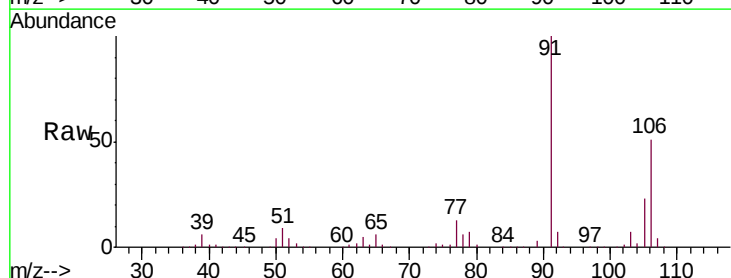
Acq: 29 Jan 2020 20:32

Tgt Ion: 106 Resp: 206751

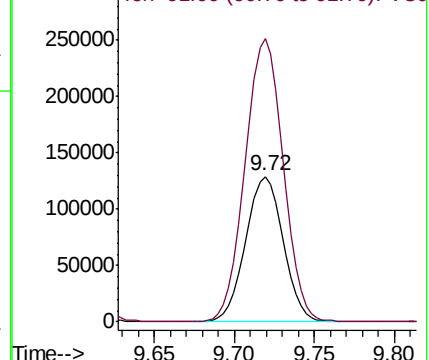
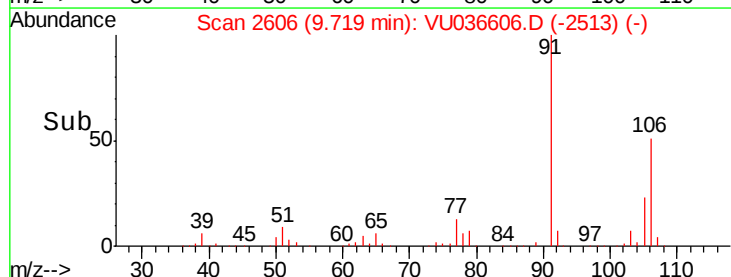
Ion Ratio Lower Upper

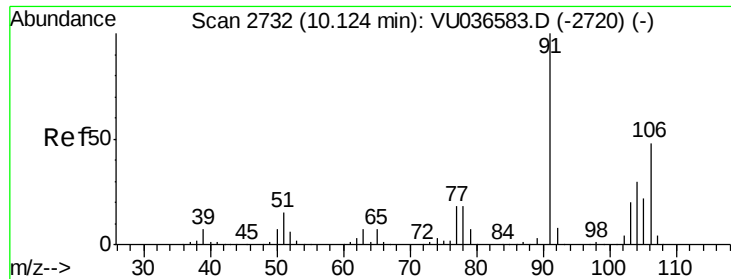
106 100

91 194.6 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036606.D (-2513) (-)





#54

o-xylene

Concen: 49.109 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

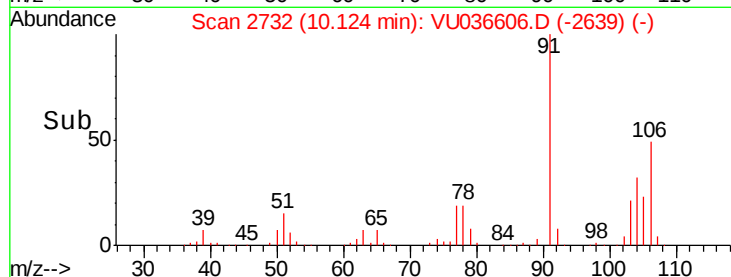
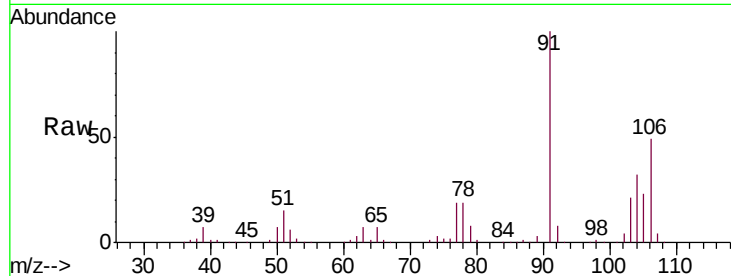
VSTD05048

Tgt Ion:106 Resp: 204280

Ion Ratio Lower Upper

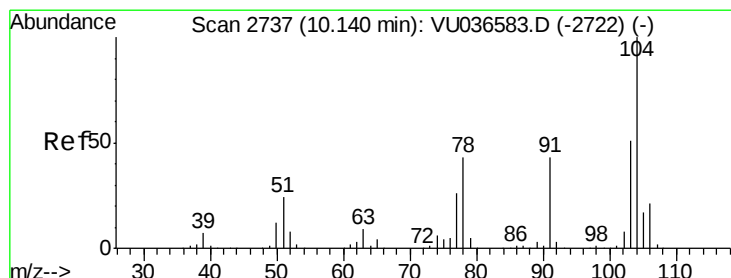
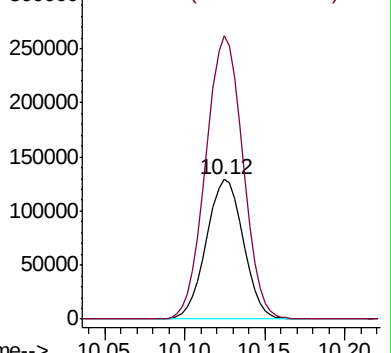
106 100

91 202.4 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.741 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036606.D

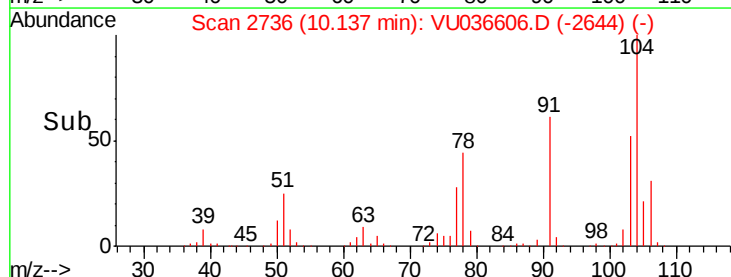
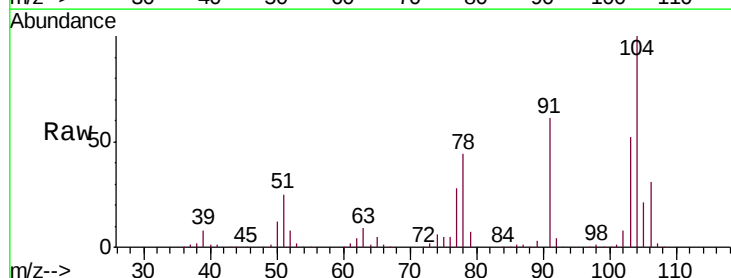
Acq: 29 Jan 2020 20:32

Tgt Ion:104 Resp: 342527

Ion Ratio Lower Upper

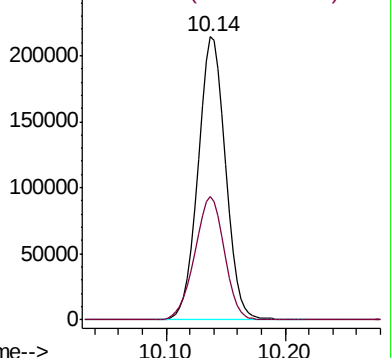
104 100

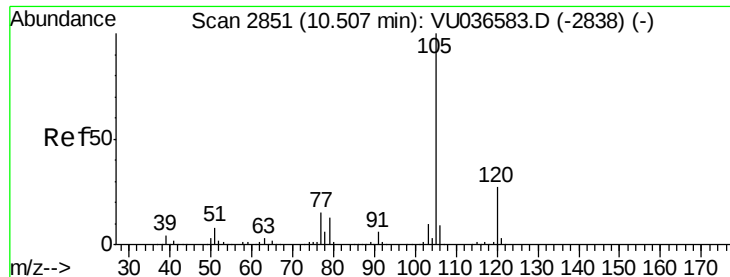
78 43.6 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.825 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

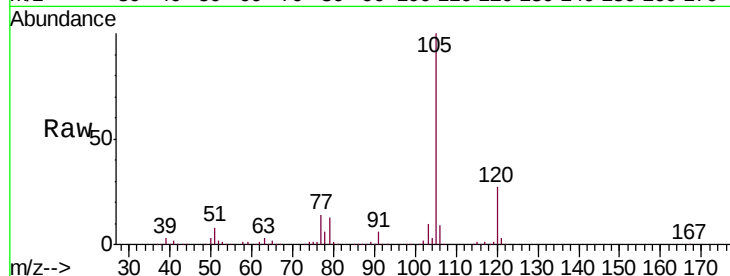
Tgt Ion: 105 Resp: 516378

Ion Ratio Lower Upper

105 100

120 27.3 21.6 32.4

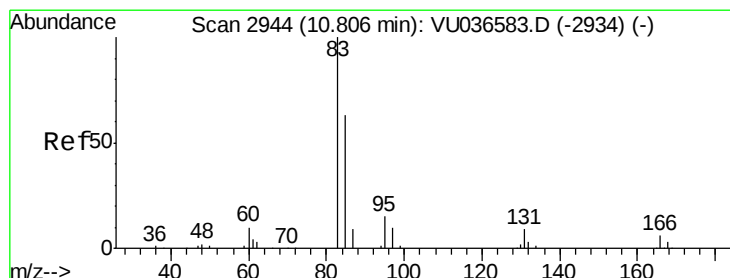
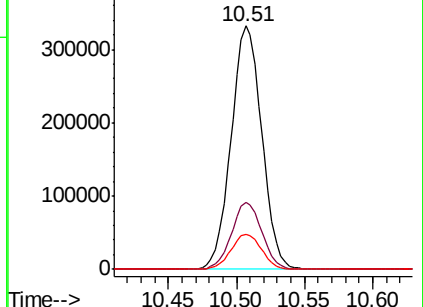
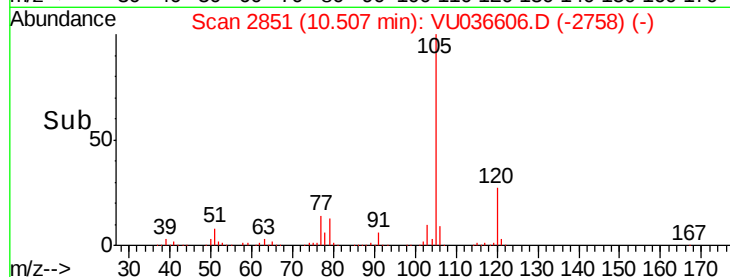
77 14.5 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.452 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

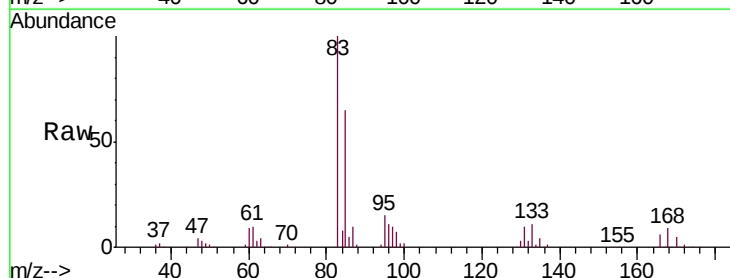
Tgt Ion: 83 Resp: 187280

Ion Ratio Lower Upper

83 100

85 65.4 44.5 82.7

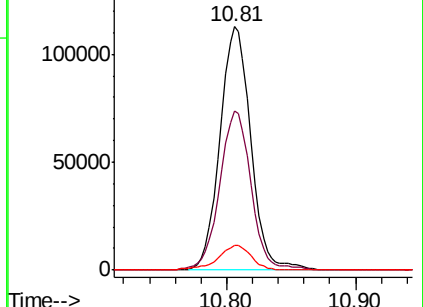
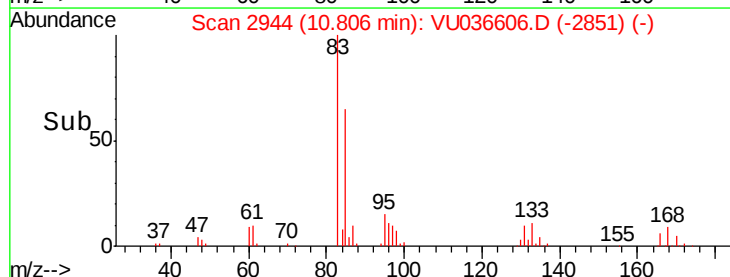
131 10.3 7.8 11.8

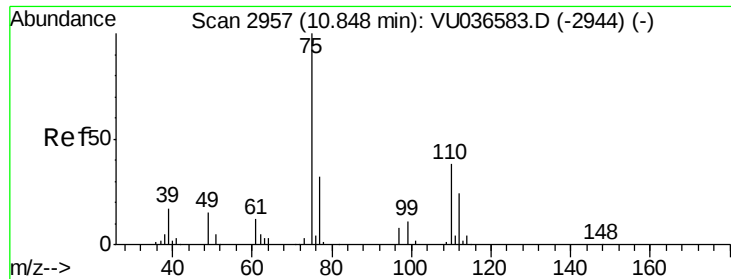


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.043 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

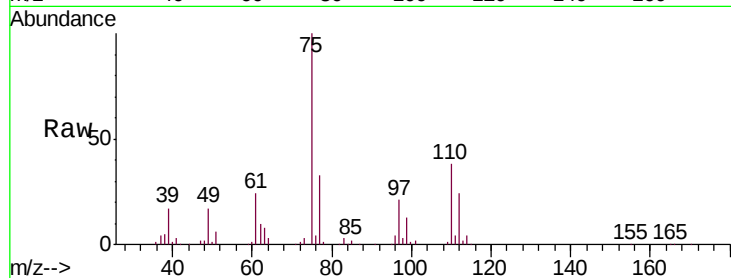
VSTD05048

Tgt Ion: 75 Resp: 148221

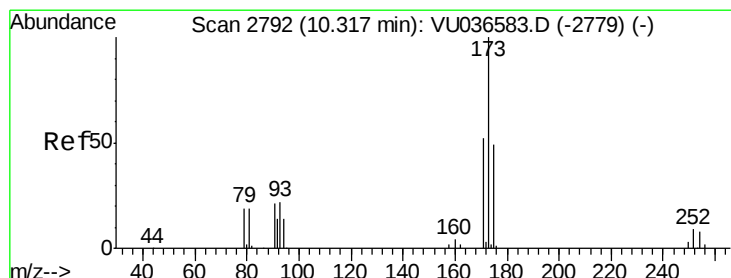
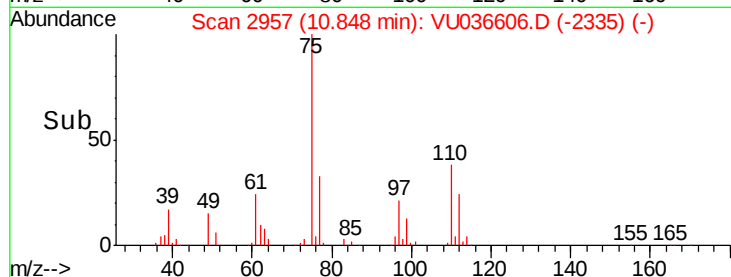
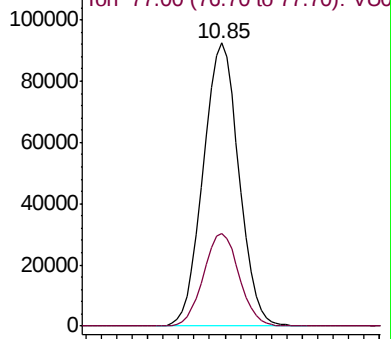
Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036583.D (-2944) (-)



#61

Bromoform

Concen: 43.975 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

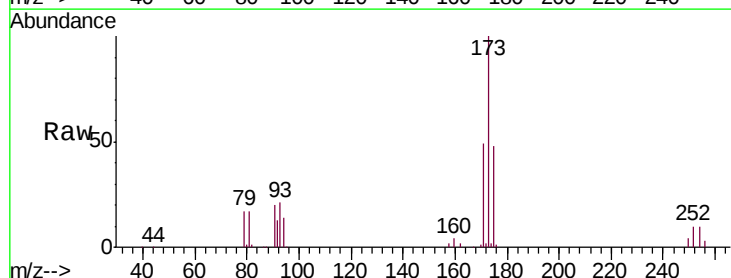
Tgt Ion: 173 Resp: 92423

Ion Ratio Lower Upper

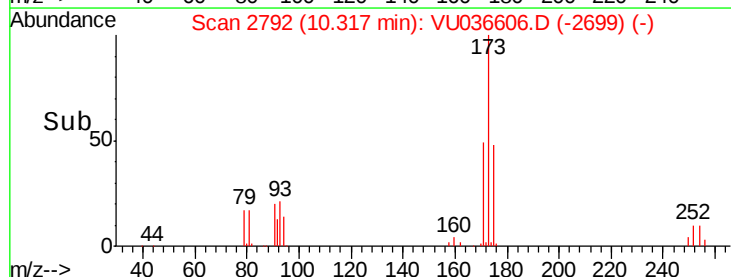
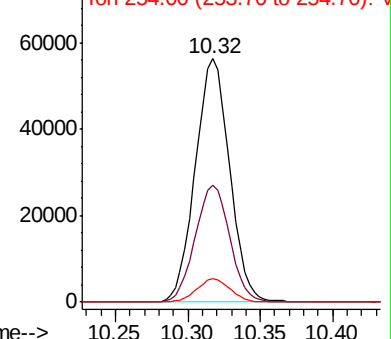
173 100

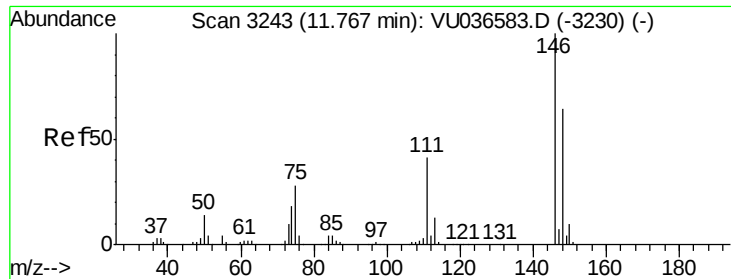
175 48.3 39.3 58.9

254 9.2 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VU036583.D (-2779) (-)

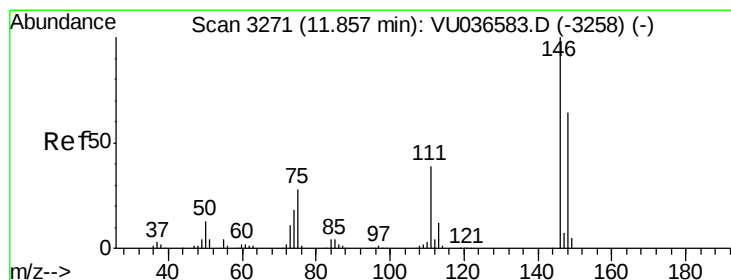
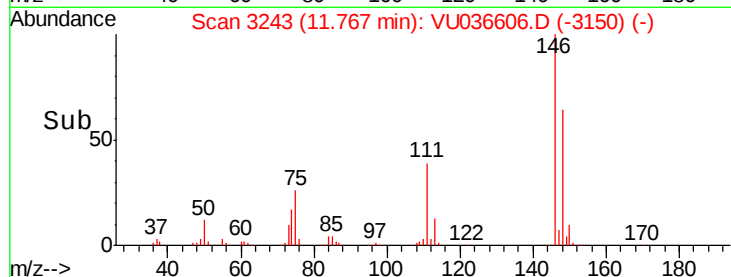
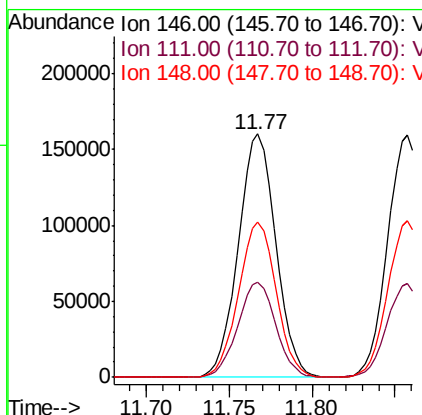
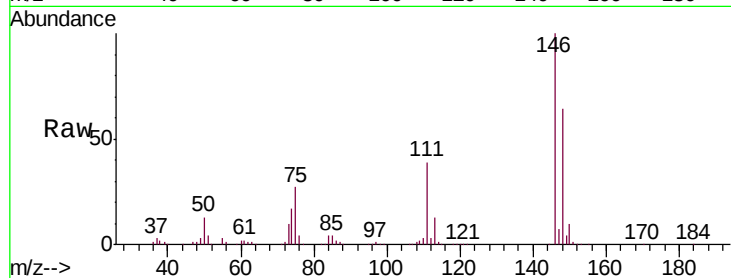




#62
 1,3-Dichlorobenzene
 Concen: 47.064 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

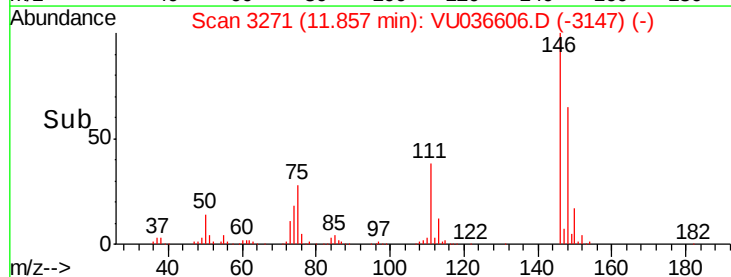
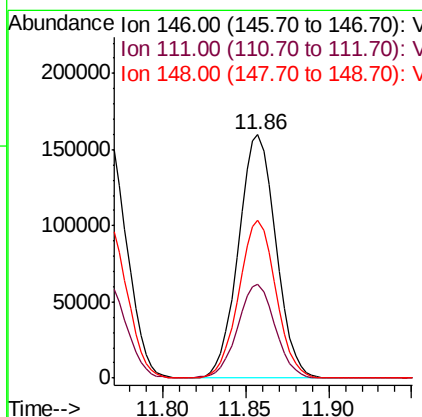
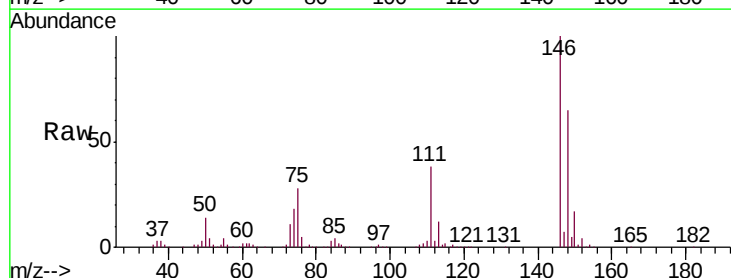
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

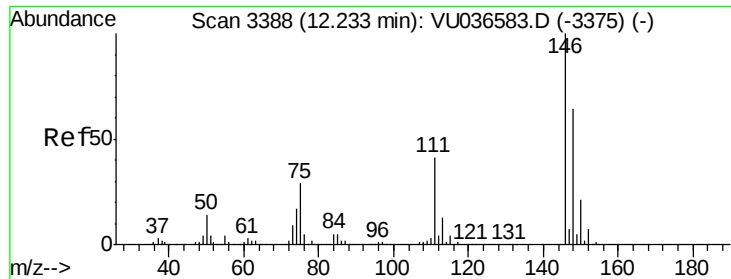
Tgt Ion:146 Resp: 252376
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.6 53.0
 148 63.6 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 47.571 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

Tgt Ion:146 Resp: 251141
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.2 50.4
 148 64.7 44.8 83.2

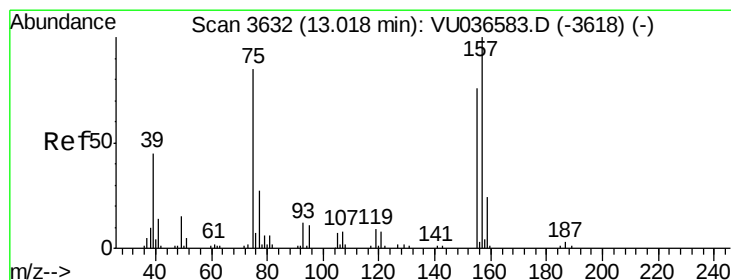
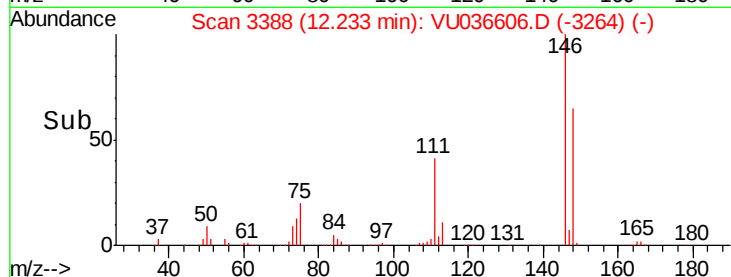
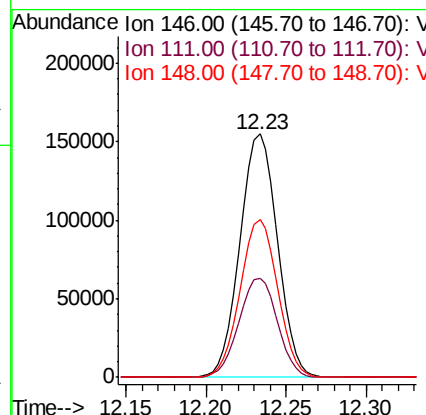
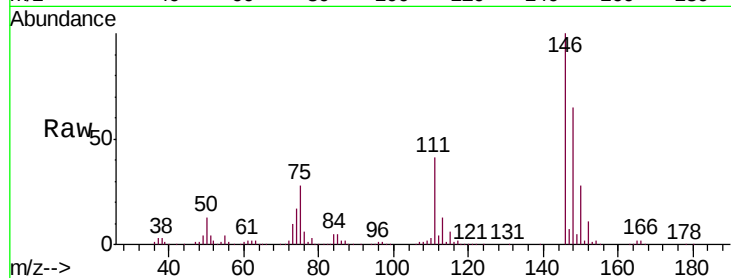




#65
 1,2-Dichlorobenzene
 Concen: 45.505 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

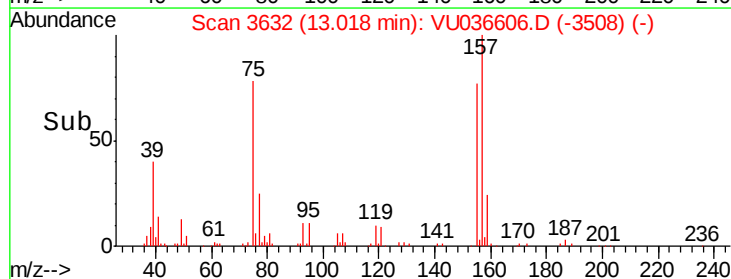
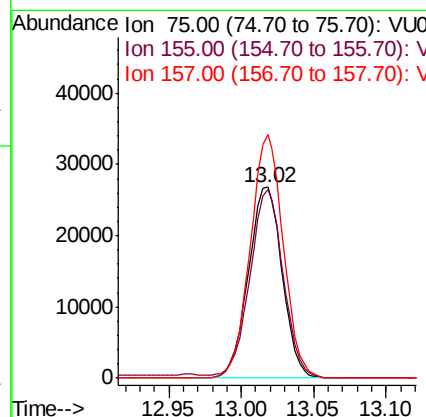
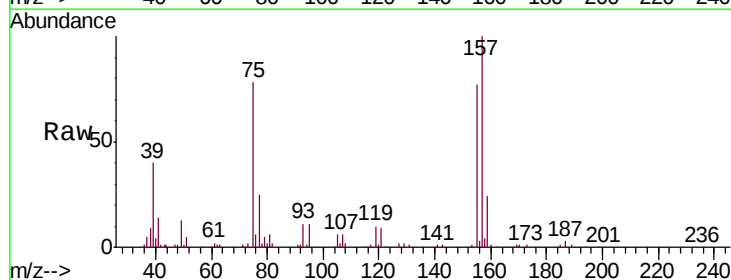
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

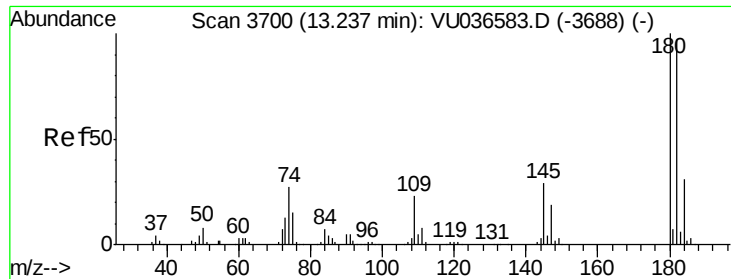
Tgt Ion:146 Resp: 247325
 Ion Ratio Lower Upper
 146 100
 111 40.9 33.4 50.2
 148 64.7 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.182 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

Tgt Ion: 75 Resp: 43547
 Ion Ratio Lower Upper
 75 100
 155 98.7 73.4 110.2
 157 127.7 96.8 145.2

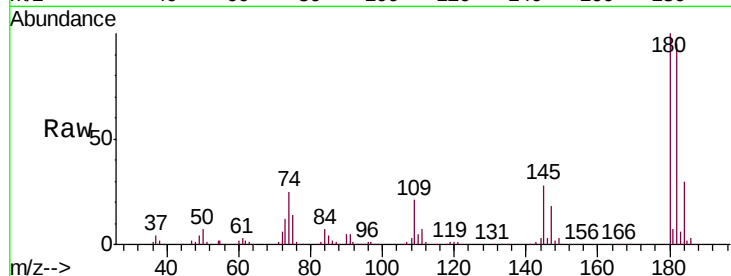




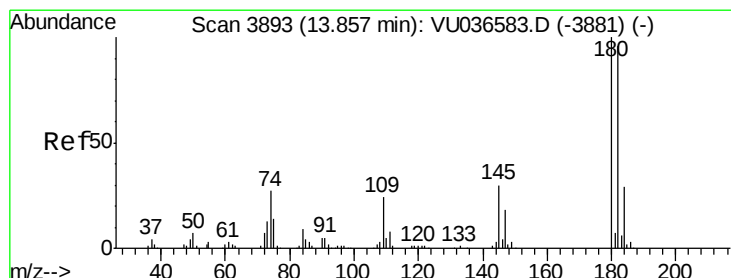
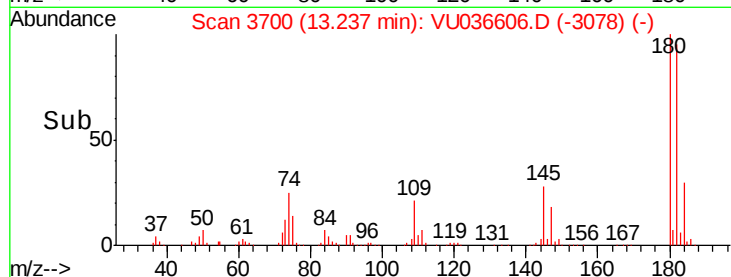
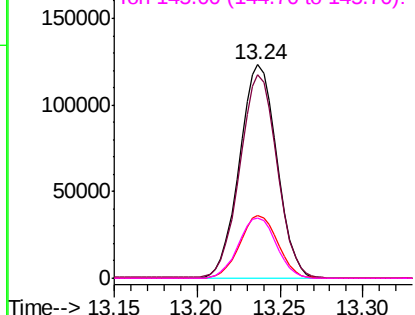
#67
 1,3,5-Trichlorobenzene
 Concen: 52.414 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion:	180	Resp:	193033
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	115.0
184	30.1	24.2	36.4
145	28.6	23.3	34.9

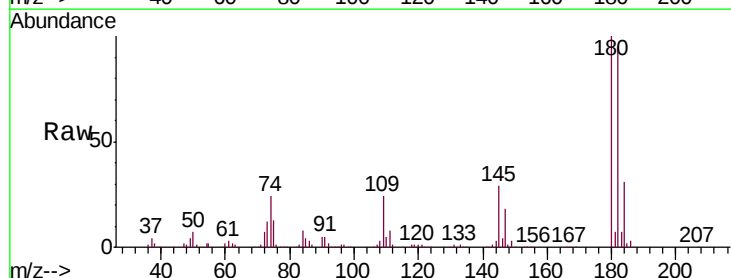


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

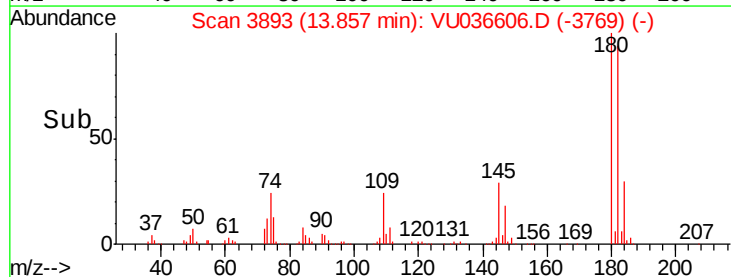
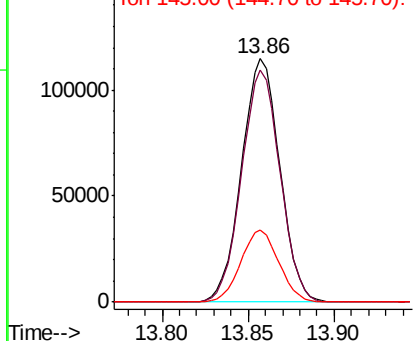


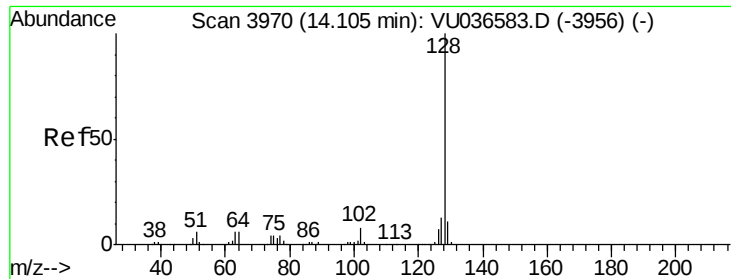
#68
 1,2,4-trichlorobenzene
 Concen: 67.645 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036606.D
 Acq: 29 Jan 2020 20:32

Tgt Ion:	180	Resp:	177535
Ion	Ratio	Lower	Upper
180	100		
182	95.6	74.9	112.3
145	29.2	23.8	35.8



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





#69

Naphthalene

Concen: 135.417 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. -0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

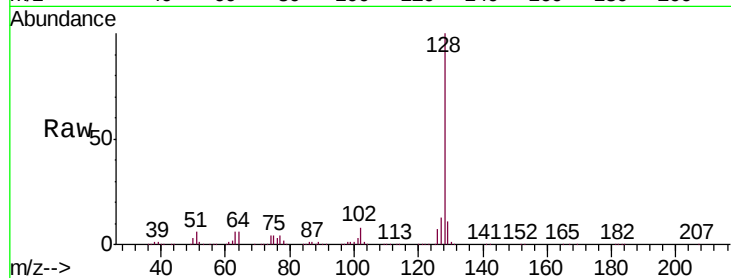
Tgt Ion:128 Resp: 1028444

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

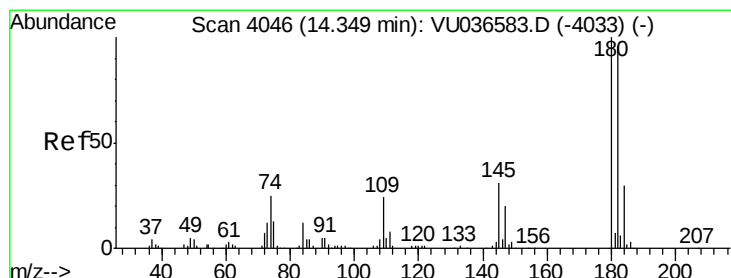
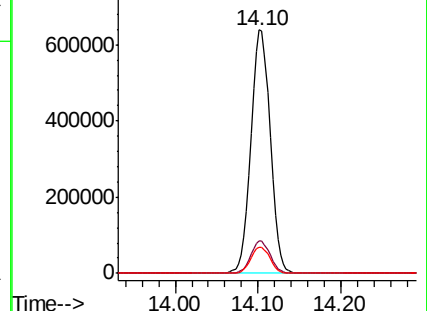
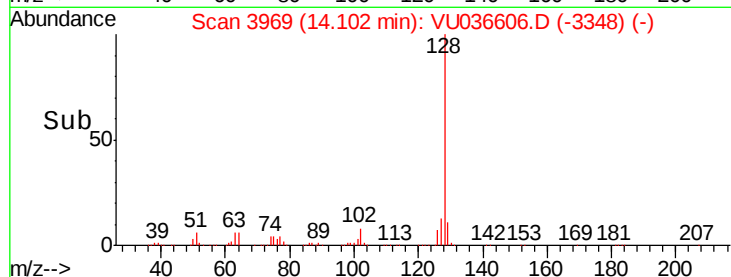
129 10.9 8.6 12.8



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: 65.053 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036606.D

Acq: 29 Jan 2020 20:32

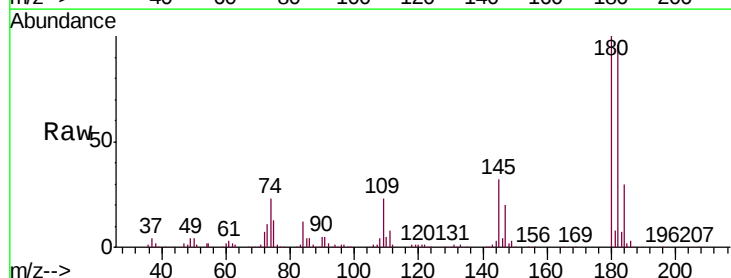
Tgt Ion:180 Resp: 175950

Ion Ratio Lower Upper

180 100

182 96.2 76.1 114.1

145 31.5 25.4 38.2



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

