

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062320\
 Data File : VU039035.D
 Acq On : 23 Jun 2020 12:58
 Operator : SY/MD
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Quant Time: Jun 24 00:28:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 00:26:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	260980	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	260472	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	118580	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	10493	0.55	ug/L	0.00
7) Chloroethane-d5	1.93	69	9062	0.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	19521	0.53	ug/L	0.00
20) 2-Butanone-d5	4.67	46	35557	5.16	ug/L	0.00
24) Chloroform-d	5.10	84	19894	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.73	65	13272	0.57	ug/L	0.00
32) Benzene-d6	5.76	84	36746	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	13169	0.54	ug/L	0.00
41) Toluene-d8	7.92	98	29342	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	5196	0.49	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	22937	4.21	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	11560	0.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	12432	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12419	0.532 ug/L	95
3) Chloromethane	1.53	50	13857	0.551 ug/L	97
5) Vinyl chloride	1.62	62	13206	0.521 ug/L	97
6) Bromomethane	1.88	94	7756	0.568 ug/L	94
8) Chloroethane	1.95	64	8555	0.560 ug/L	99
9) Trichlorofluoromethane	2.16	101	17840	0.550 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	9837	0.521 ug/L	96
12) 1,1-Dichloroethene	2.61	96	9745	0.539 ug/L	93
13) Acetone	2.67	43	30371	6.484 ug/L	99
14) Carbon disulfide	2.82	76	32281	0.536 ug/L	99
15) Methyl Acetate	2.99	43	6447	0.580 ug/L #	91
16) Methylene chloride	3.08	84	13136	0.589 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	25444	0.494 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	10314	0.533 ug/L	94
19) 1,1-Dichloroethane	3.91	63	20061	0.522 ug/L	98
21) 2-Butanone	4.75	43	34546	4.851 ug/L	98
22) cis-1,2-Dichloroethene	4.70	96	11190	0.536 ug/L	90
23) Bromochloromethane	5.01	128	4785	0.498 ug/L	92
25) Chloroform	5.12	83	20055	0.519 ug/L	94
27) 1,2-Dichloroethane	5.83	62	14326	0.520 ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	17774	0.547 ug/L	95
30) Cyclohexane	5.42	56	14179	0.469 ug/L	97
31) Carbon tetrachloride	5.56	117	14240	0.526 ug/L	95
33) Benzene	5.81	78	41882	0.512 ug/L	100
34) Trichloroethene	6.57	95	9821	0.496 ug/L	98
35) Methylcyclohexane	6.79	83	13299	0.453 ug/L	95
37) 1,2-Dichloropropane	6.82	63	11204	0.505 ug/L	99
38) Bromodichloromethane	7.13	83	14414	0.521 ug/L #	93
39) cis-1,3-Dichloropropene	7.63	75	14076	0.458 ug/L	91
40) 4-Methyl-2-pentanone	7.82	43	74541	4.504 ug/L	98

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

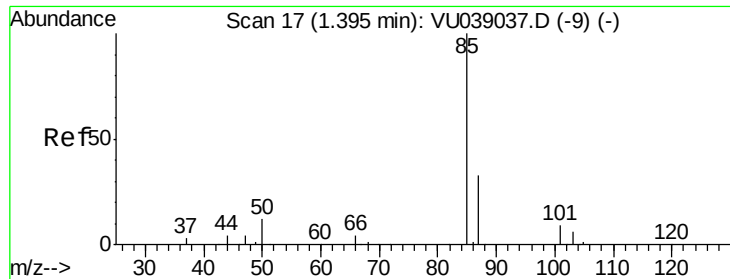
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Quant Time: Jun 24 00:28:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.99	91	38390	0.473	ug/L	95
44) trans-1,3-Dichloropropene	8.23	75	13735	0.478	ug/L	91
45) 1,1,2-Trichloroethane	8.42	97	8618	0.523	ug/L	89
47) Tetrachloroethene	8.57	164	7633	0.535	ug/L	95
48) 2-Hexanone	8.70	43	53781	4.433	ug/L	97
49) Dibromochloromethane	8.83	129	8798	0.491	ug/L	97
50) 1,2-Dibromoethane	8.94	107	7706	0.495	ug/L #	90
51) Chlorobenzene	9.46	112	25725	0.503	ug/L	97
52) Ethylbenzene	9.58	91	40215	0.471	ug/L	100
53) m,p-Xylene	9.71	106	14428	0.460	ug/L	89
54) o-Xylene	10.11	106	12839	0.426	ug/L	88
55) Styrene	10.13	104	22486	0.425	ug/L	90
56) Isopropylbenzene	10.50	105	34771	0.440	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.80	83	11269	0.511	ug/L	87
59) 1,2,3-Trichloropropane	10.84	75	8668	0.519	ug/L	96
61) Bromoform	10.30	173	5270	0.544	ug/L #	94
62) 1,3-Dichlorobenzene	11.75	146	18196	0.516	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	19265	0.530	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	19649	0.556	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.01	75	2131	0.546	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	13714	0.526	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	12870	0.541	ug/L	98
69) Naphthalene	14.11	128	24611	0.485	ug/L	96
70) 1,2,3-Trichlorobenzene	14.36	180	11836	0.516	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.532 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

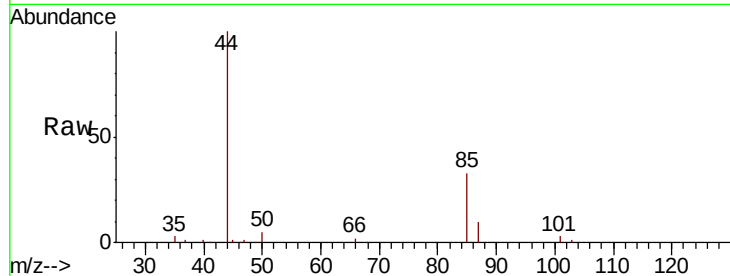
VSTD0.501

Tot Ion: 85 Resp: 12419

Ion Ratio Lower Upper

85 100

87 29.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039035.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039035.D (-1) (-)

1.39

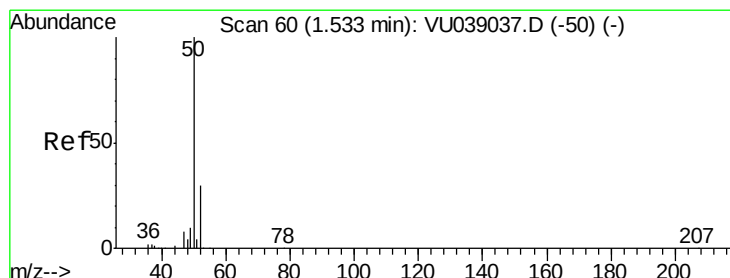
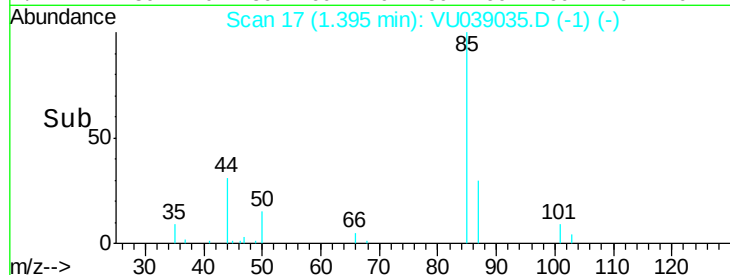
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 0.551 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU039035.D

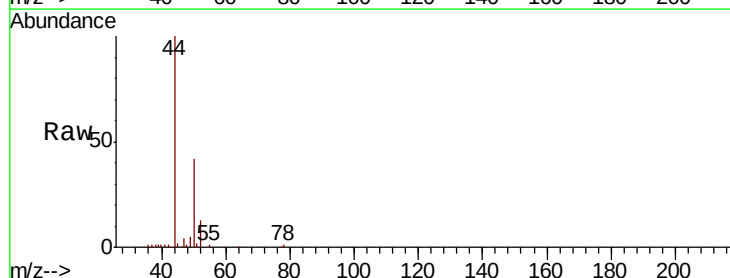
Acq: 23 Jun 2020 12:58

Tgt Ion: 50 Resp: 13857

Ion Ratio Lower Upper

50 100

52 31.6 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039035.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039035.D (-1) (-)

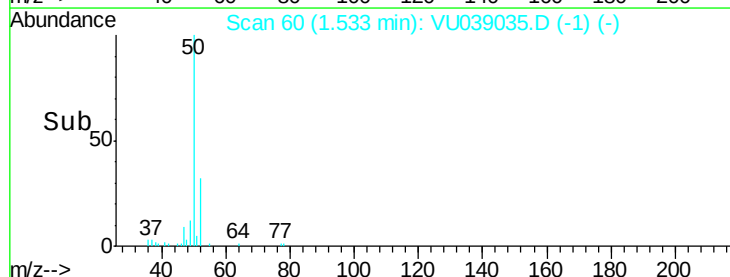
1.53

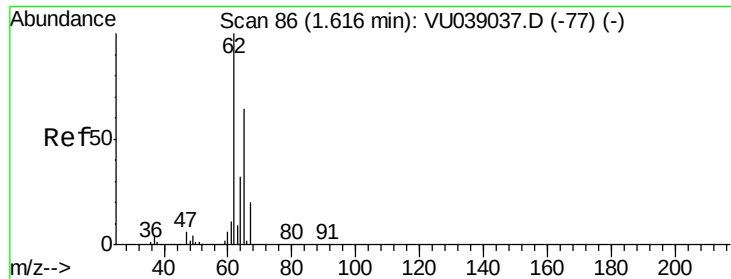
10000

5000

0

Time-->





#5

Vinyl chloride

Concen: 0.521 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

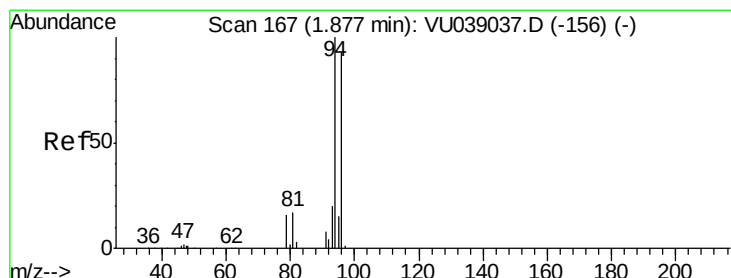
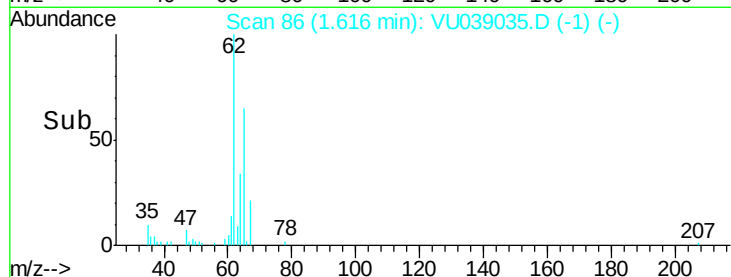
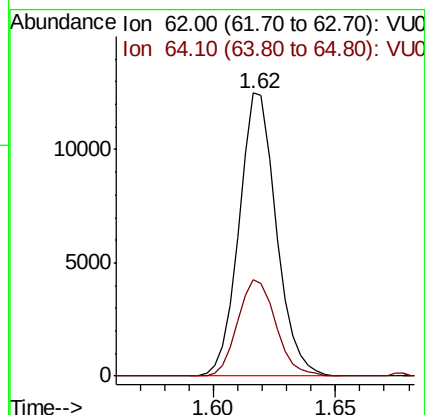
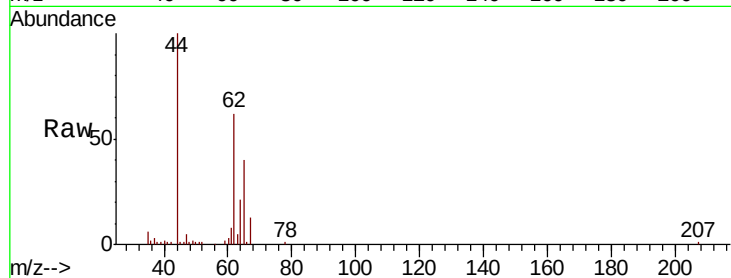
VSTD0.501

Tot Ion: 62 Resp: 13206

Ion Ratio Lower Upper

62 100

64 33.9 22.4 41.6



#6

Bromomethane

Concen: 0.568 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU039035.D

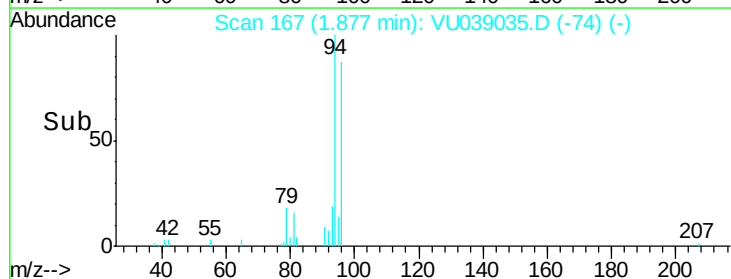
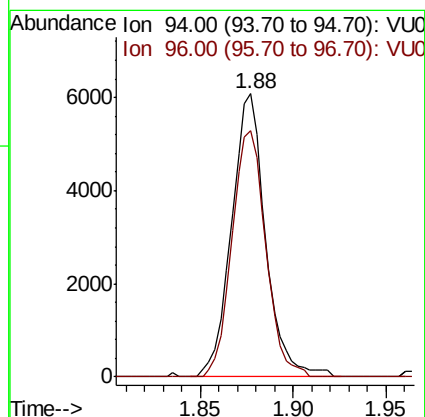
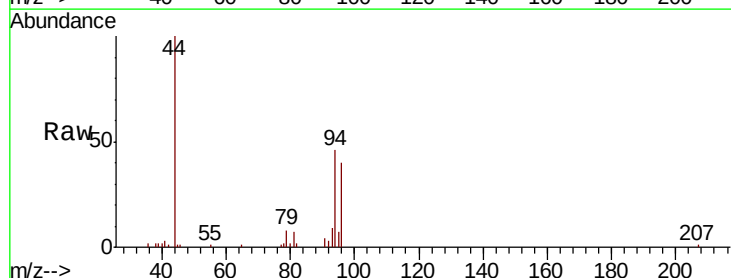
Acq: 23 Jun 2020 12:58

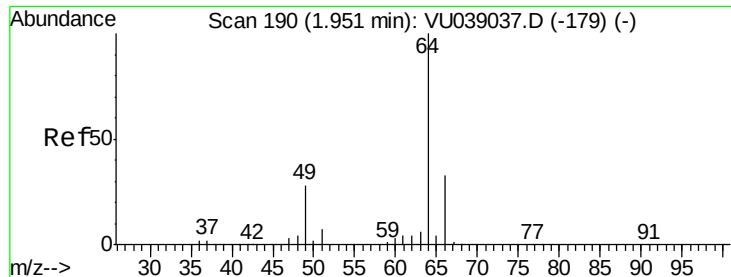
Tgt Ion: 94 Resp: 7756

Ion Ratio Lower Upper

94 100

96 86.9 64.9 120.5





#8

Chloroethane

Concen: 0.560 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

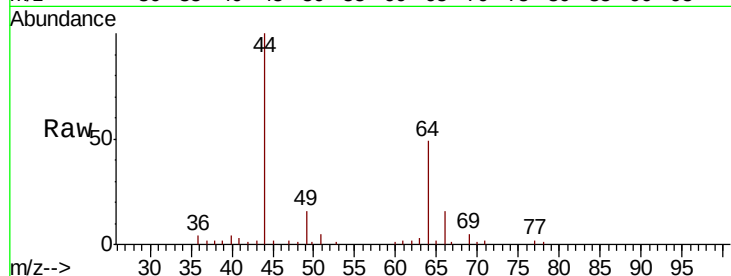
VSTD0.501

Tot Ion: 64 Resp: 8555

Ion Ratio Lower Upper

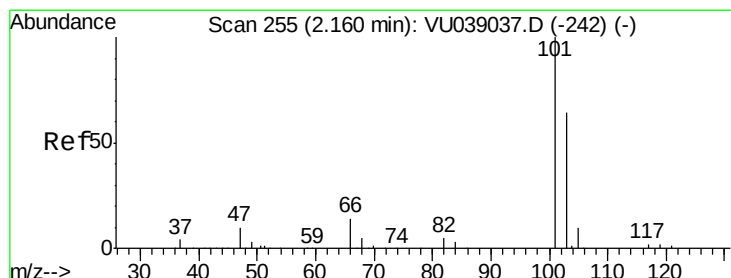
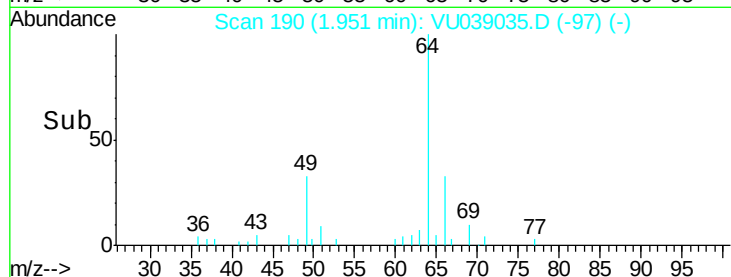
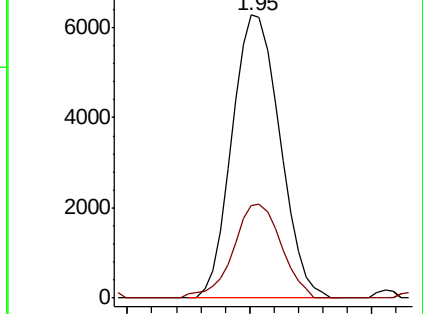
64 100

66 32.8 23.4 43.4



Abundance Ion 64.10 (63.80 to 64.80): VU039037.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU039037.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 0.550 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU039035.D

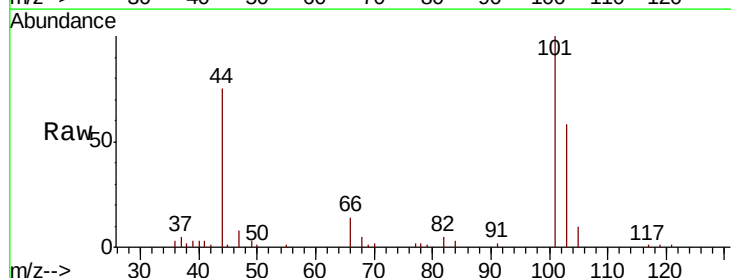
Acq: 23 Jun 2020 12:58

Tgt Ion: 101 Resp: 17840

Ion Ratio Lower Upper

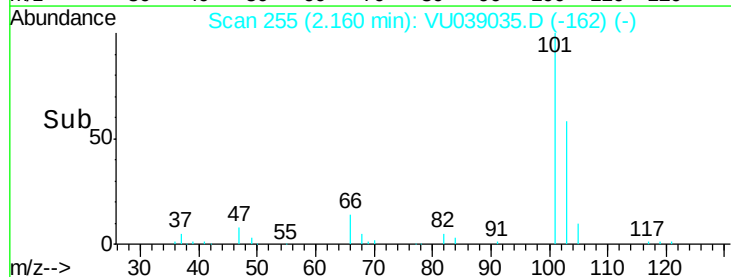
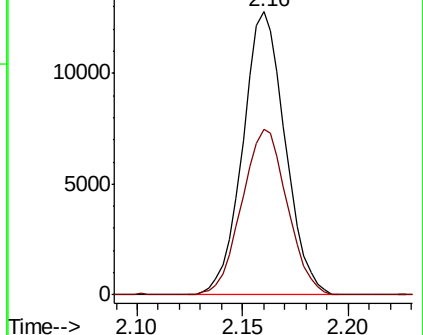
101 100

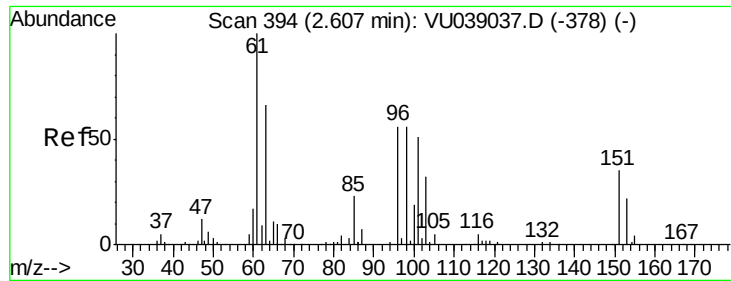
103 62.6 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU039037.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU039037.D (-242) (-)





#10

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

Concen: 0.521 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

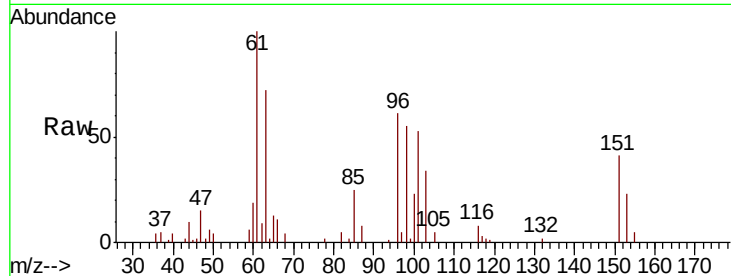
Tot Ion:101 Resp: 9837

Ion Ratio Lower Upper

101 100

85 47.6 36.2 54.4

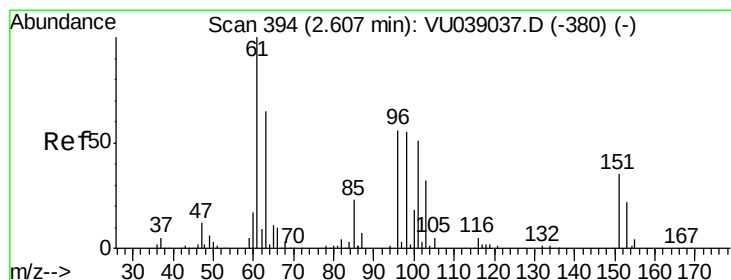
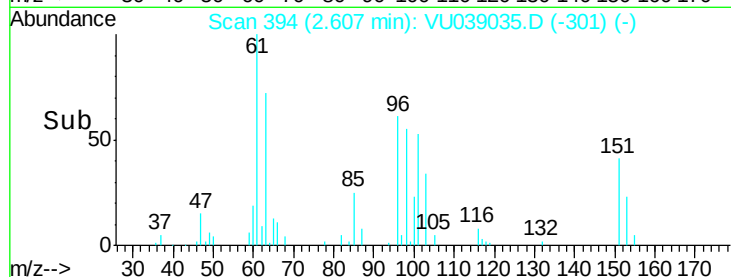
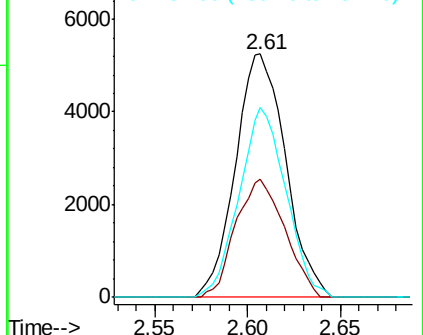
151 72.8 55.0 82.6



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: 0.539 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

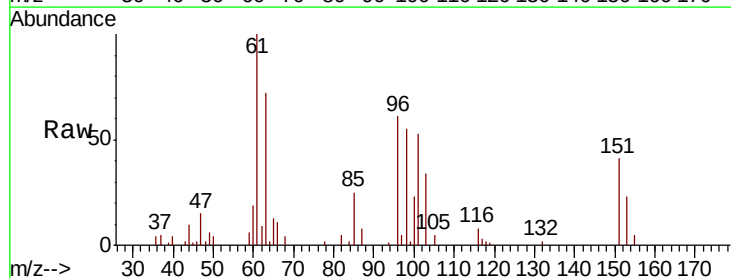
Tgt Ion: 96 Resp: 9745

Ion Ratio Lower Upper

96 100

61 162.6 125.1 232.3

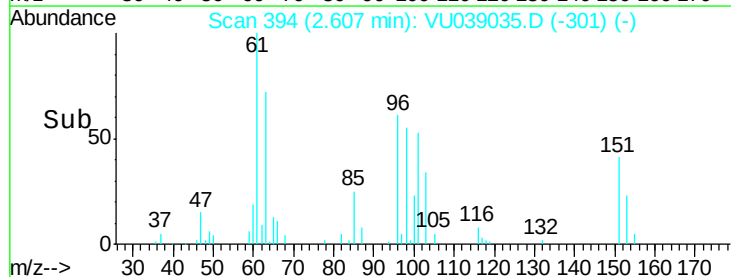
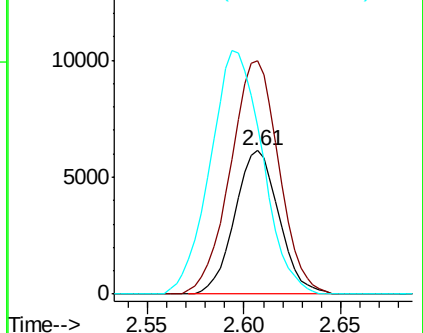
63 117.3 82.3 152.8

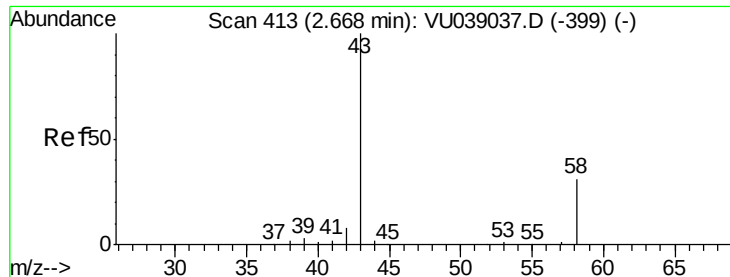


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.484 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

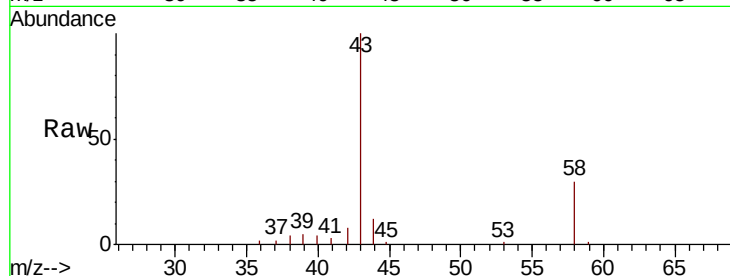
VSTD0.501

Tot Ion: 43 Resp: 30371

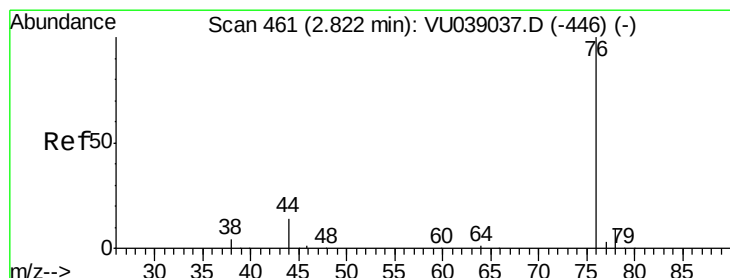
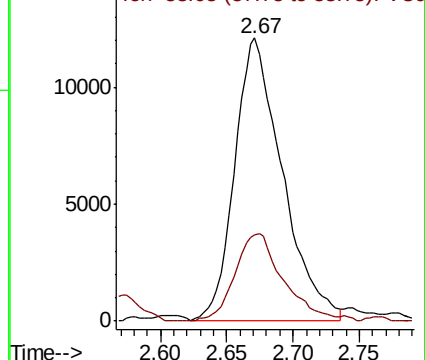
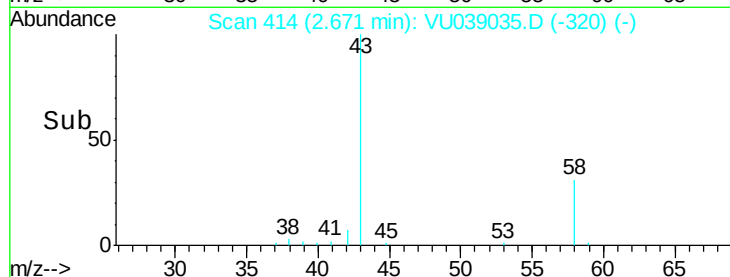
Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039035.D (-320) (-)



#14

Carbon disulfide

Concen: 0.536 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU039035.D

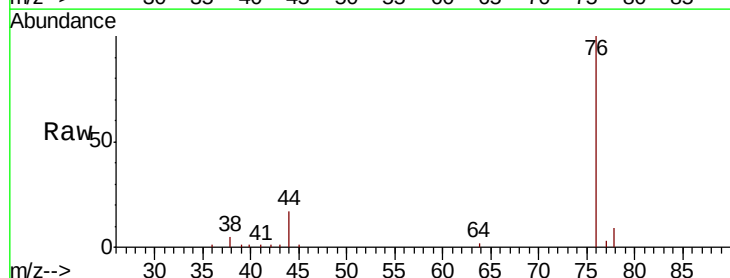
Acq: 23 Jun 2020 12:58

Tgt Ion: 76 Resp: 32281

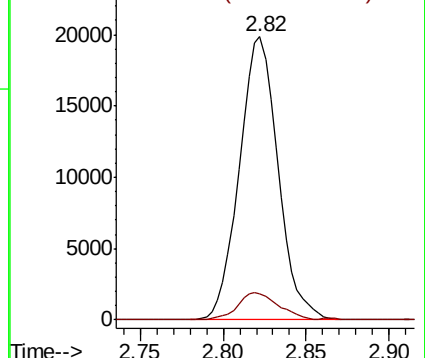
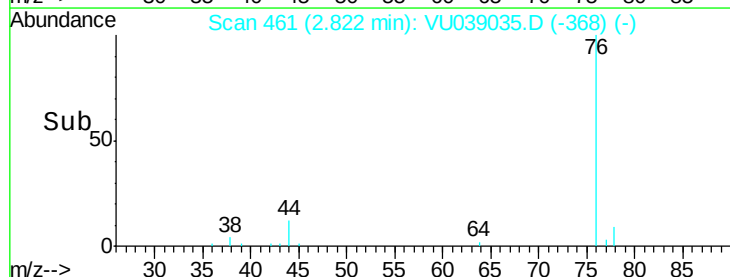
Ion Ratio Lower Upper

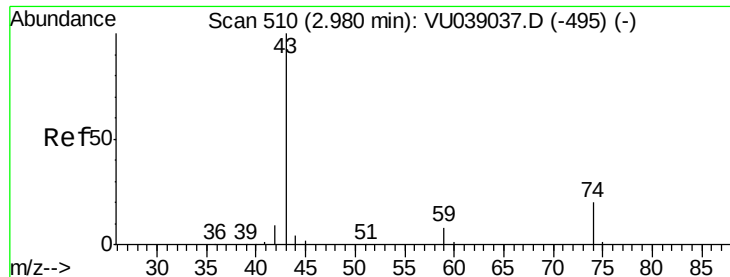
76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039035.D (-368) (-)





#15

Methyl Acetate

Concen: 0.580 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.01 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

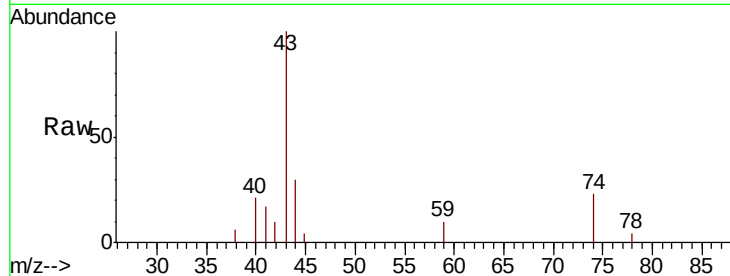
VSTD0.501

Tot Ion: 43 Resp: 6447

Ion Ratio Lower Upper

43 100

74 16.8 17.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.99

3000

2500

2000

1500

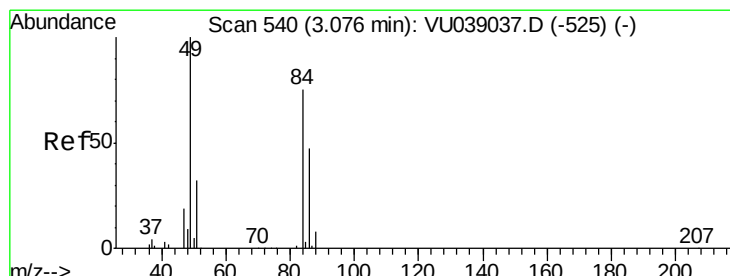
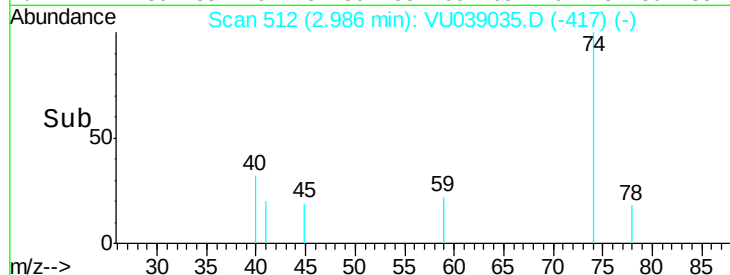
1000

500

0

Time-->

2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 0.589 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

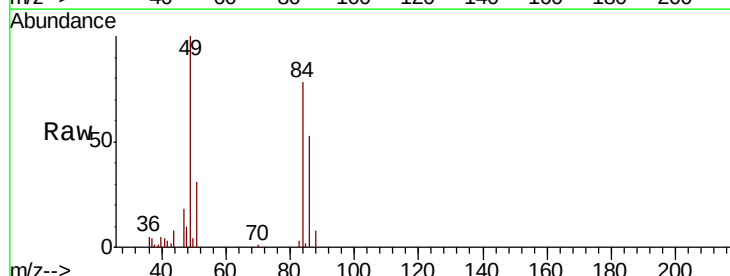
Tgt Ion: 84 Resp: 13136

Ion Ratio Lower Upper

84 100

86 68.7 44.1 81.9

49 129.0 93.1 172.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

12000

10000

8000

6000

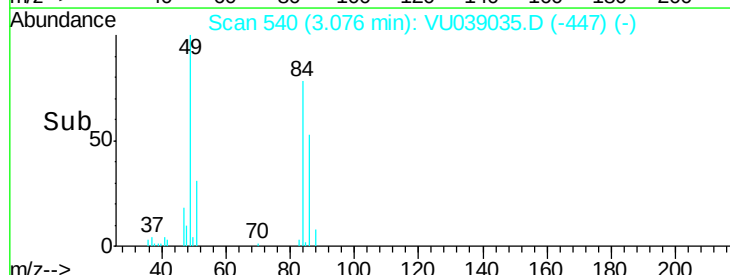
4000

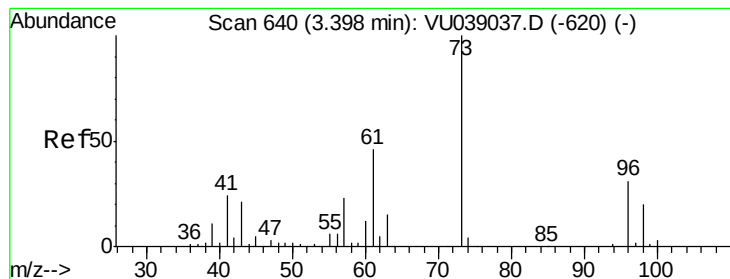
2000

0

Time-->

3.00 3.05 3.10 3.15



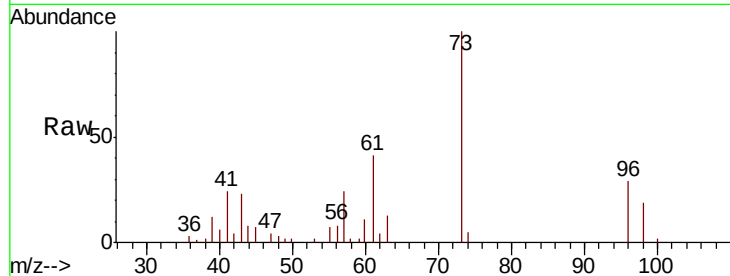


#17

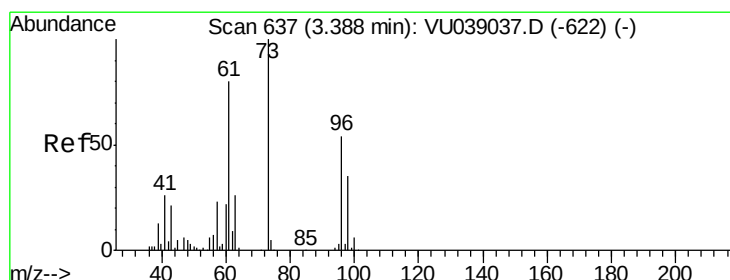
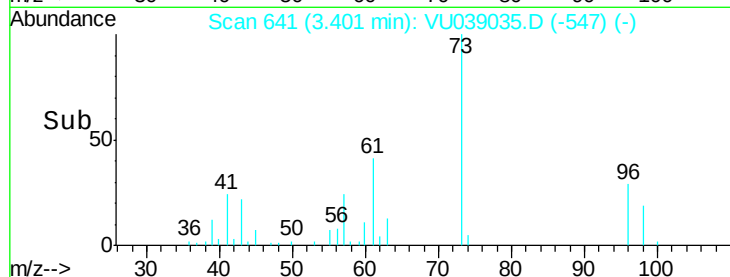
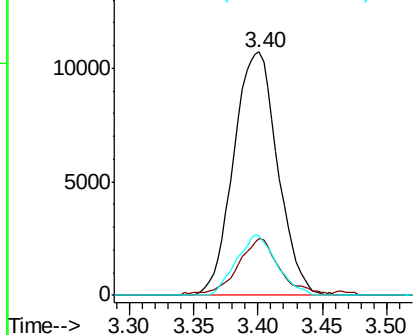
Methyl tert-butyl Ether
 Concen: 0.494 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion: 73 Resp: 25444
 Ion Ratio Lower Upper
 73 100
 43 22.3 16.6 24.8
 57 22.6 18.2 27.4



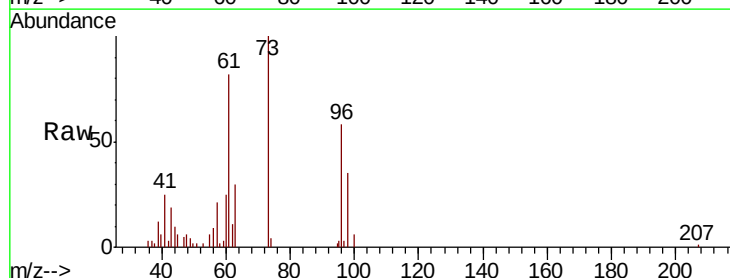
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



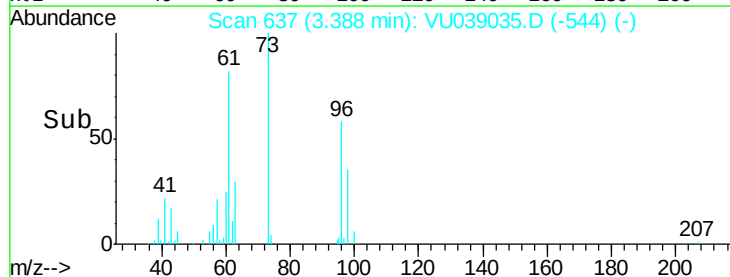
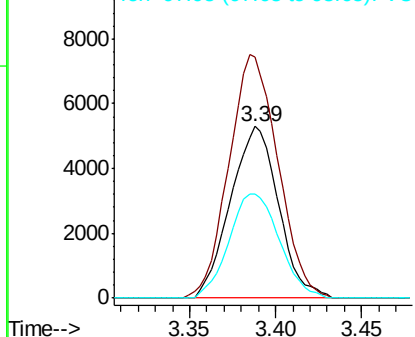
#18

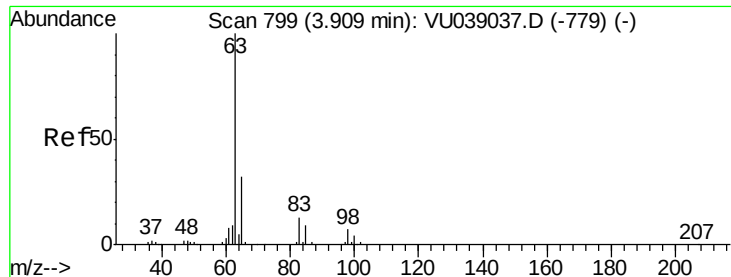
trans-1,2-Dichloroethene
 Concen: 0.533 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Tgt Ion: 96 Resp: 10314
 Ion Ratio Lower Upper
 96 100
 61 140.6 103.5 192.3
 98 60.4 44.9 83.5



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

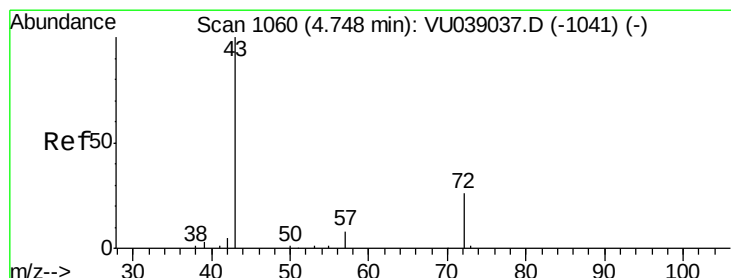
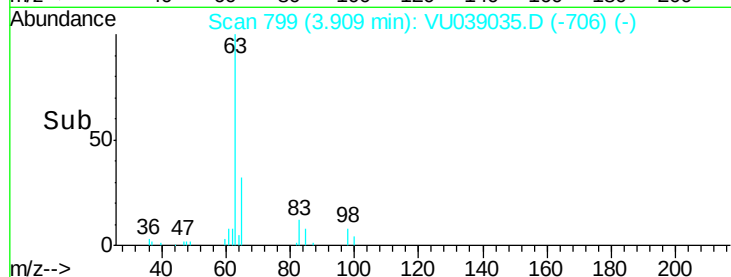
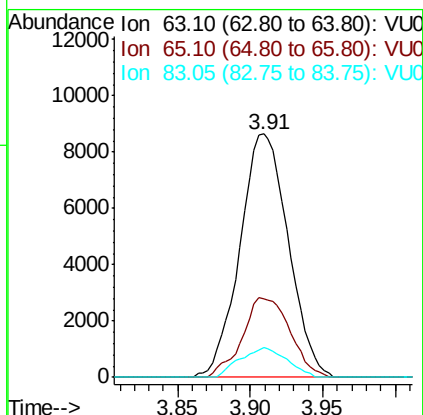
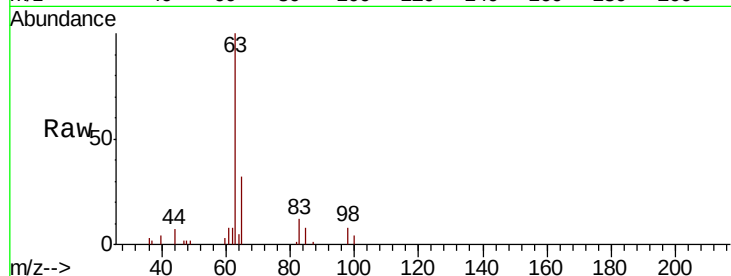




#19
 1,1-Dichloroethane
 Concen: 0.522 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

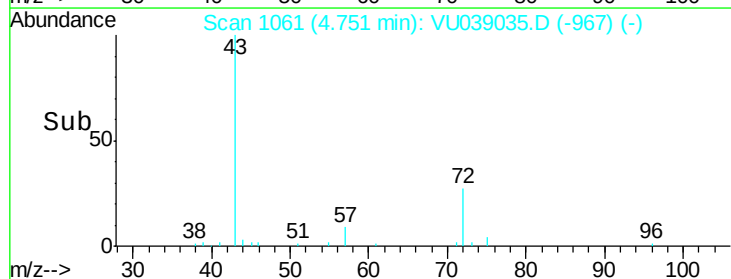
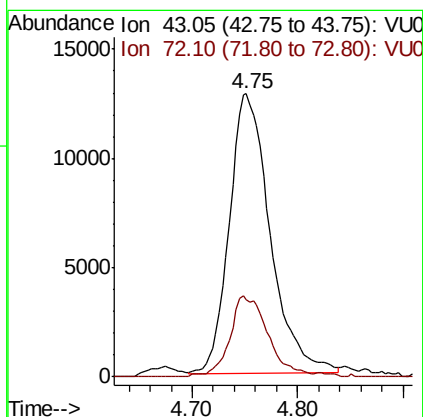
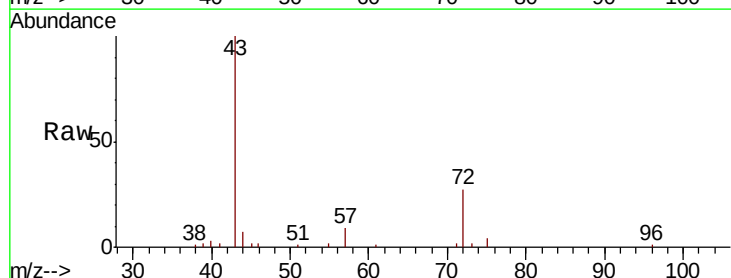
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

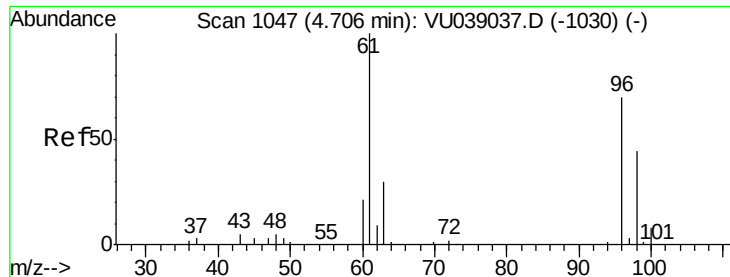
Tot Ion	63	Resp	20061
Ion Ratio	Lower	Upper	
63	100		
65	32.5	22.1	41.1
83	12.0	9.3	17.3



#21
 2-Butanone
 Concen: 4.851 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Tgt Ion	43	Resp	34546
Ion Ratio	Lower	Upper	
43	100		
72	27.1	13.1	39.3





#22

cis-1,2-Dichloroethene

Concen: 0.536 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

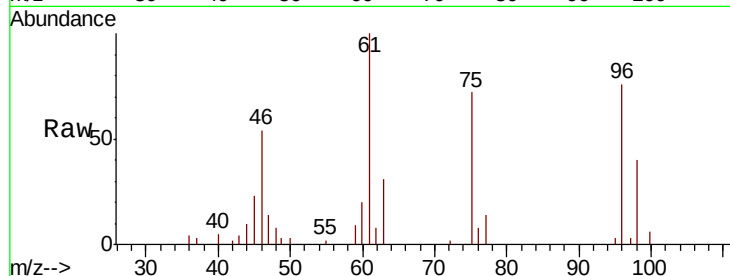
Tot Ion: 96 Resp: 11190

Ion Ratio Lower Upper

96 100

61 132.1 100.8 187.2

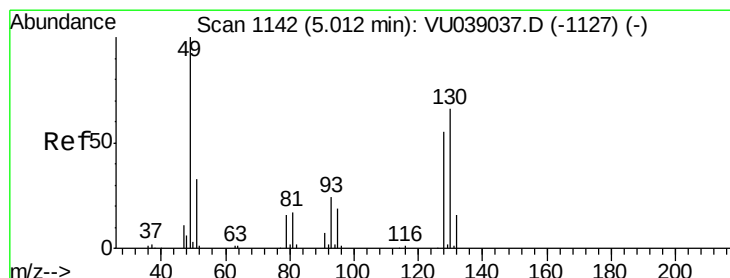
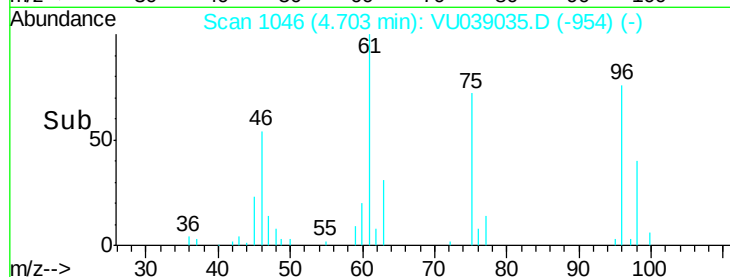
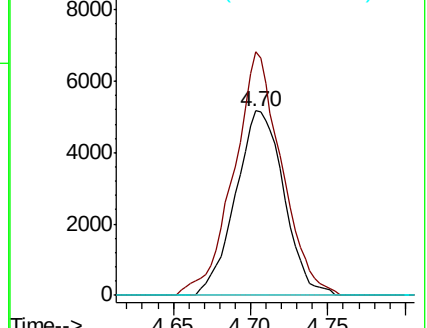
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039035.D (-1046) (-)

Ion 61.05 (60.75 to 61.75): VU039035.D (-1046) (-)

Ion 68.15 (67.85 to 68.85): VU039035.D (-1046) (-)



#23

Bromochloromethane

Concen: 0.498 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Tgt Ion: 128 Resp: 4785

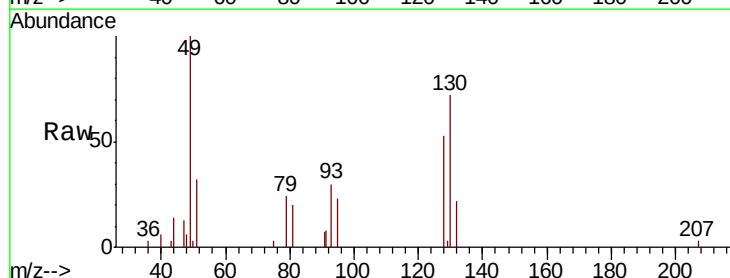
Ion Ratio Lower Upper

128 100

49 190.4 127.3 236.5

130 137.9 84.4 156.7

51 60.0 47.5 71.3

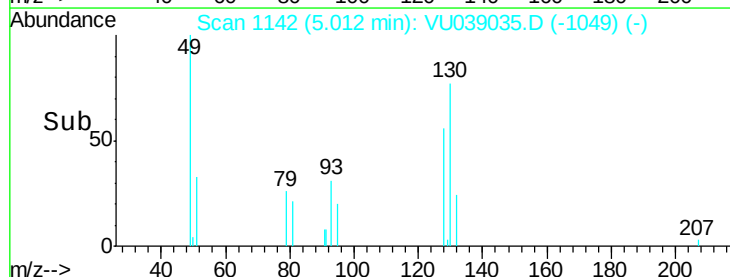
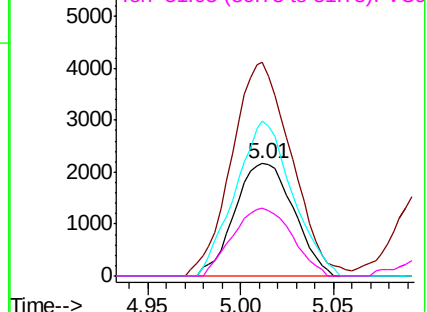


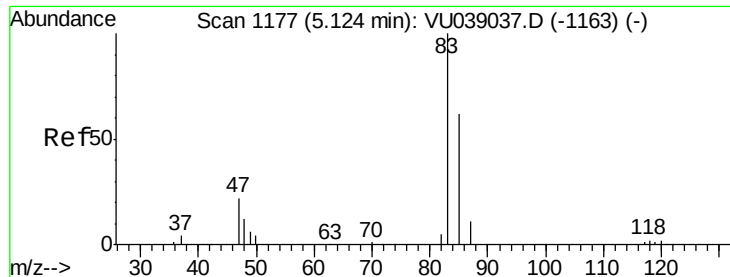
Abundance Ion 127.90 (127.60 to 128.60): VU039035.D (-1142) (-)

Ion 49.10 (48.80 to 49.80): VU039035.D (-1142) (-)

Ion 129.95 (129.65 to 130.65): VU039035.D (-1142) (-)

Ion 51.05 (50.75 to 51.75): VU039035.D (-1142) (-)

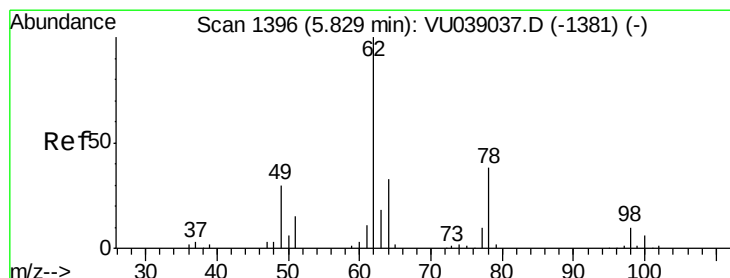
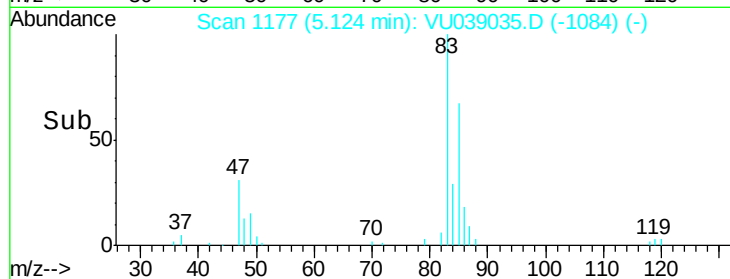
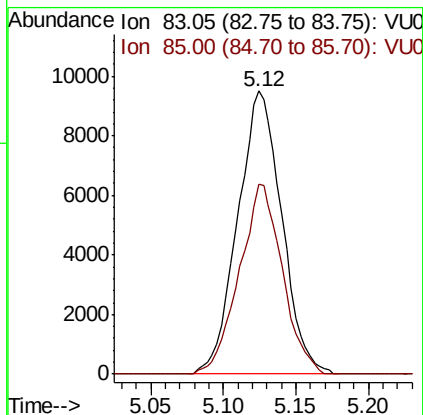
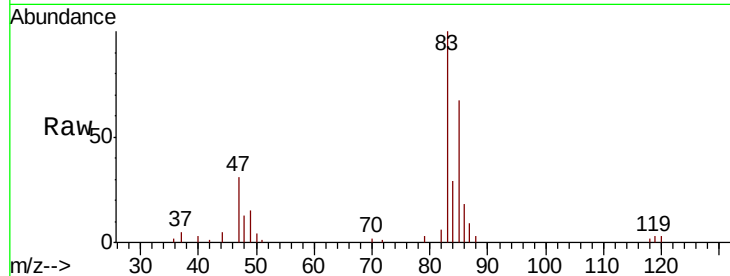




#25
Chloroform
Concen: 0.519 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

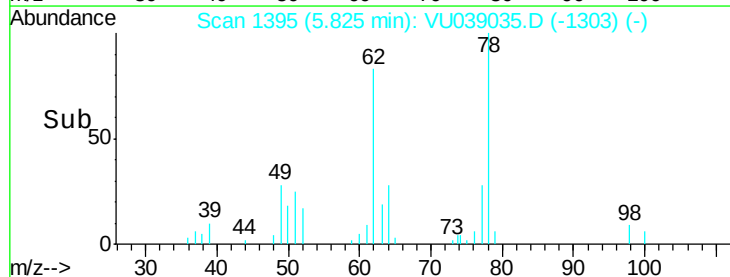
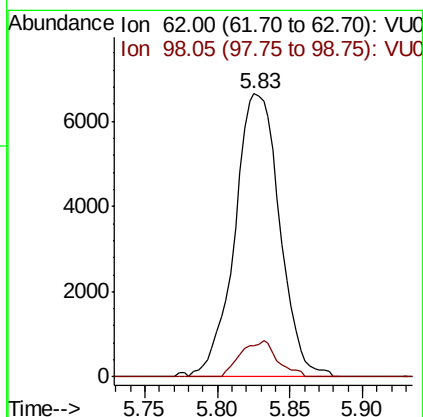
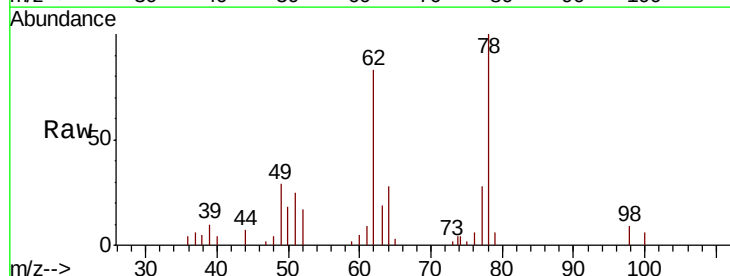
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

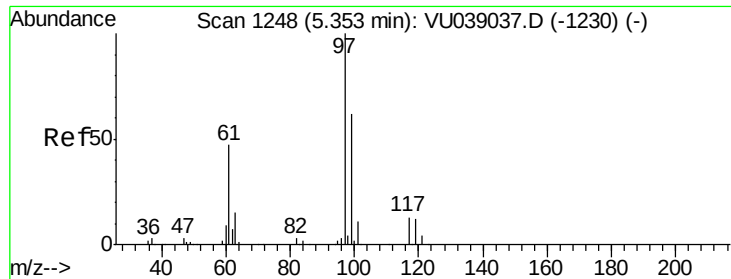
Tot Ion: 83 Resp: 20055
Ion Ratio Lower Upper
83 100
85 66.9 43.8 81.4



#27
1,2-Dichloroethane
Concen: 0.520 ug/L
RT: 5.83 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

Tgt Ion: 62 Resp: 14326
Ion Ratio Lower Upper
62 100
98 10.9 7.7 11.5

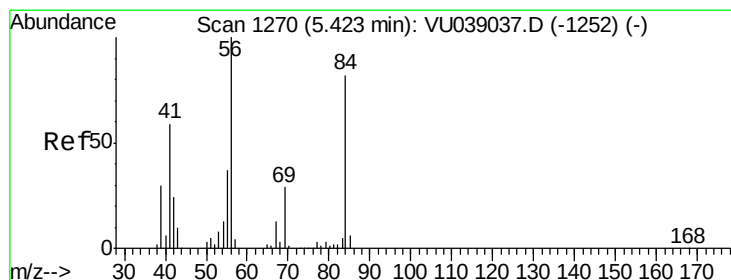
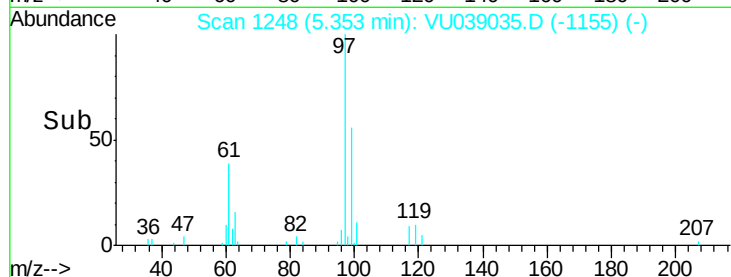
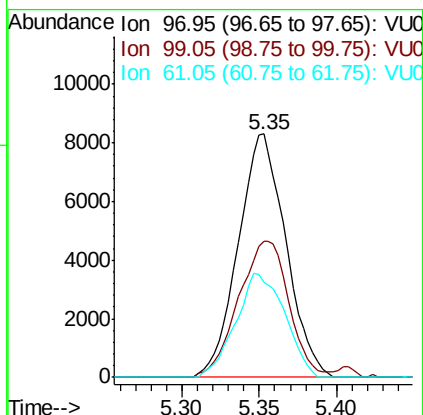
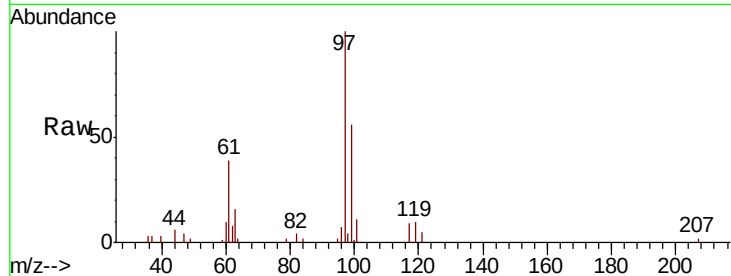




#29
1,1,1-Trichloroethane
Concen: 0.547 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

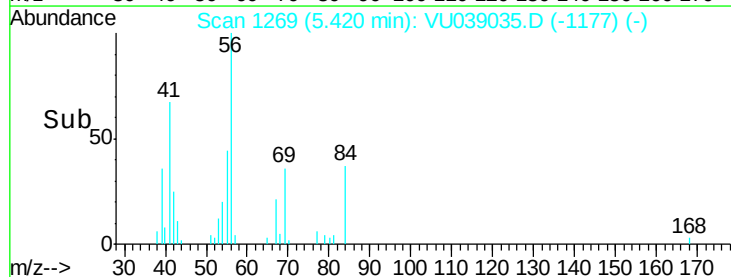
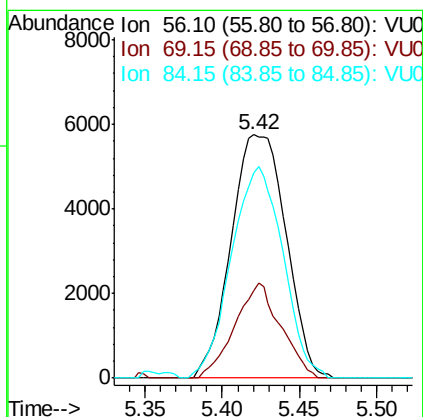
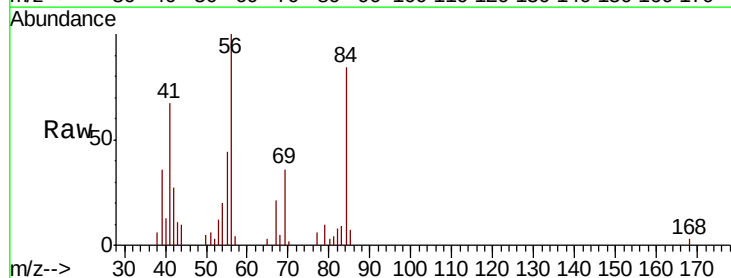
Instrument :
MSVOA_U
ClientSampled :
VSTD0.501

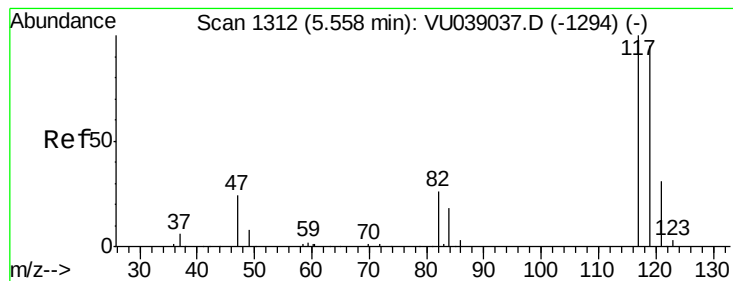
Tot Ion: 97 Resp: 17774
Ion Ratio Lower Upper
97 100
99 58.9 50.3 75.5
61 44.0 37.8 56.6



#30
Cyclohexane
Concen: 0.469 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

Tgt Ion: 56 Resp: 14179
Ion Ratio Lower Upper
56 100
69 32.7 23.3 34.9
84 81.7 67.1 100.7





#31

Carbon tetrachloride

Concen: 0.526 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

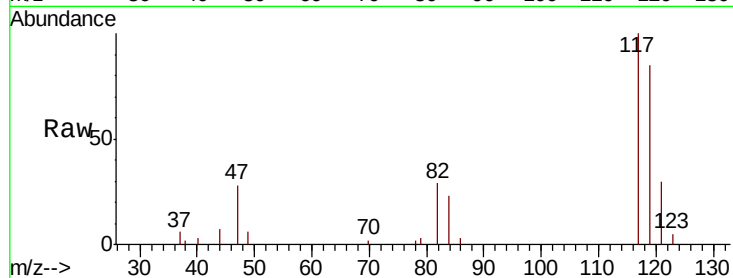
VSTD0.501

Tot Ion:117 Resp: 14240

Ion Ratio Lower Upper

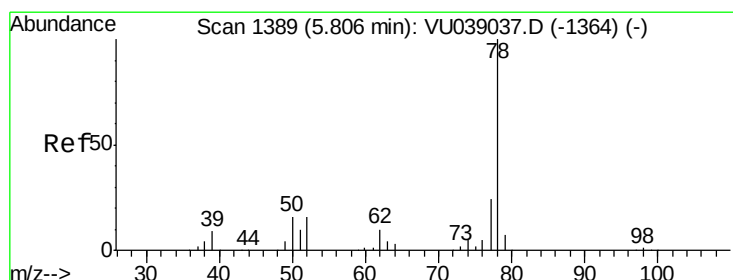
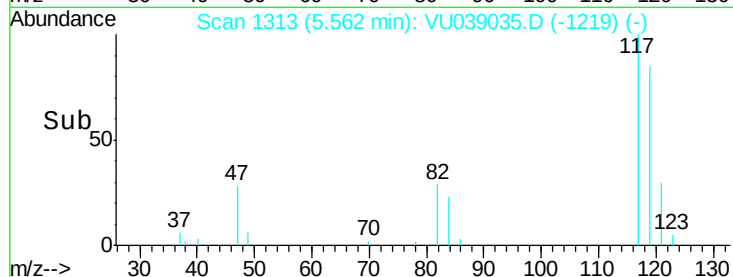
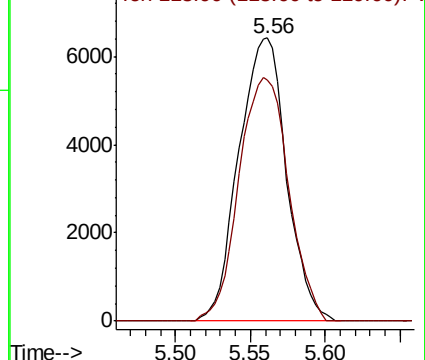
117 100

119 89.6 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.512 ug/L

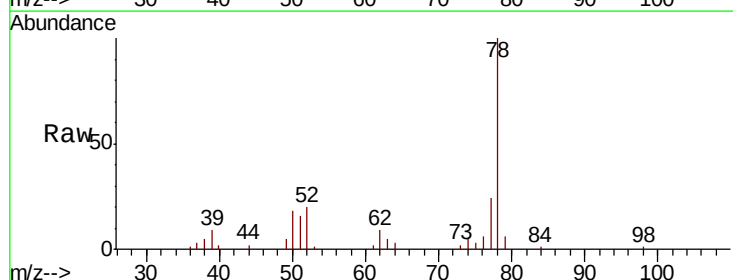
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

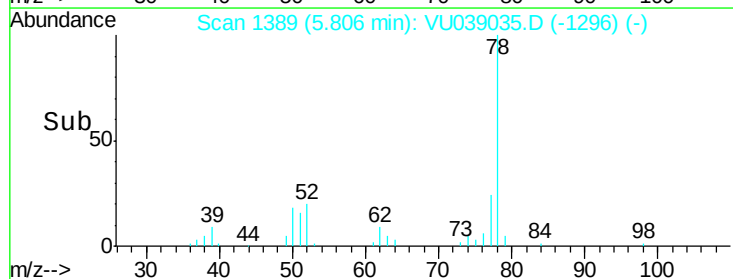
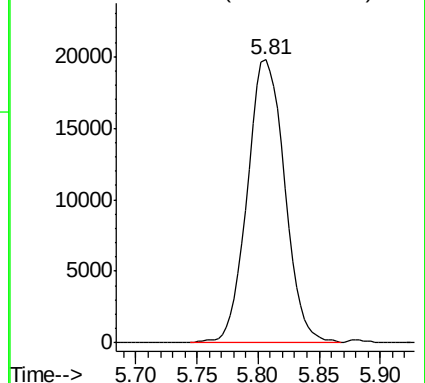
Lab File: VU039035.D

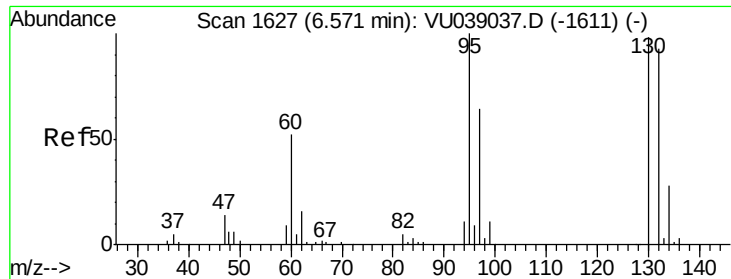
Acq: 23 Jun 2020 12:58

Tgt Ion: 78 Resp: 41882



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.496 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

Tot Ion: 95 Resp: 9821

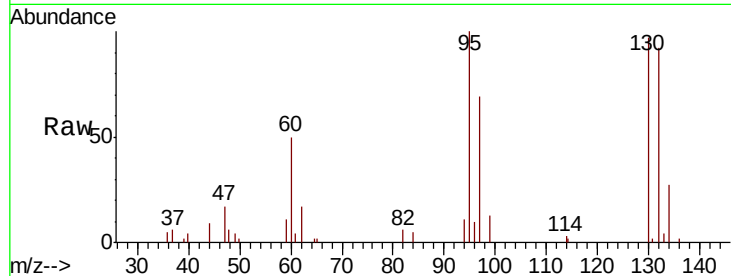
Ion Ratio Lower Upper

95 100

97 69.1 45.1 83.7

132 91.7 65.1 120.9

130 97.1 68.6 127.4

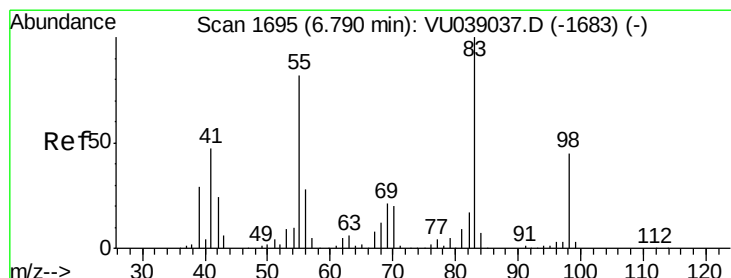
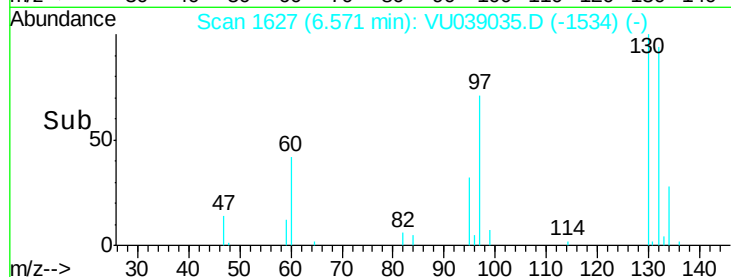
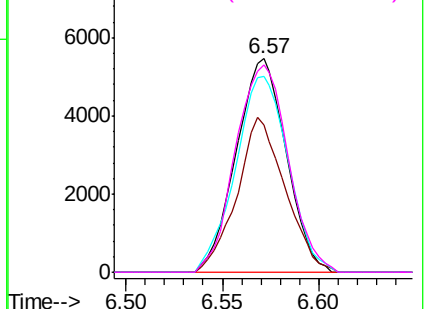


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.453 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

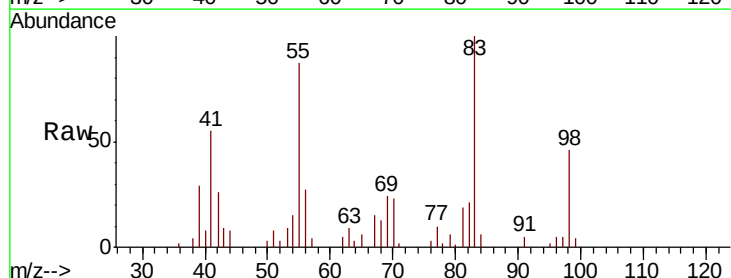
Tgt Ion: 83 Resp: 13299

Ion Ratio Lower Upper

83 100

55 88.8 65.5 98.3

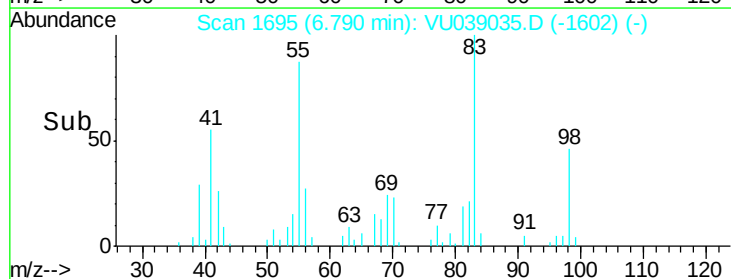
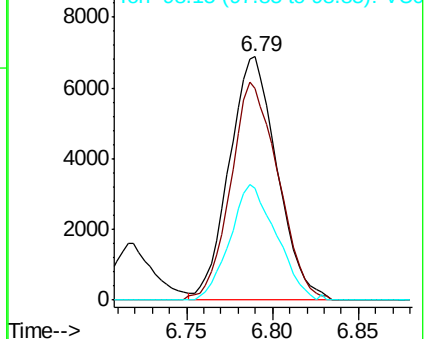
98 46.0 36.5 54.7

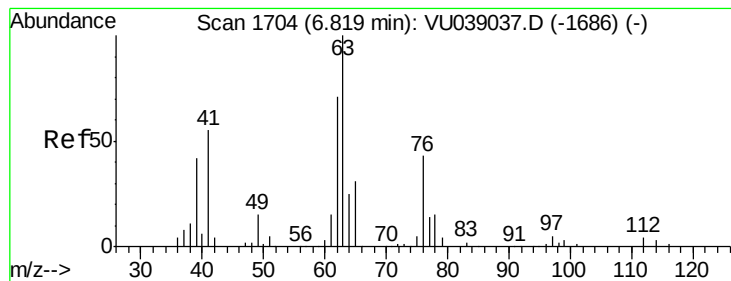


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.505 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

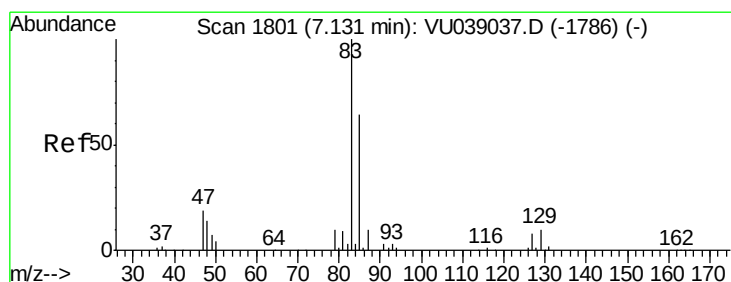
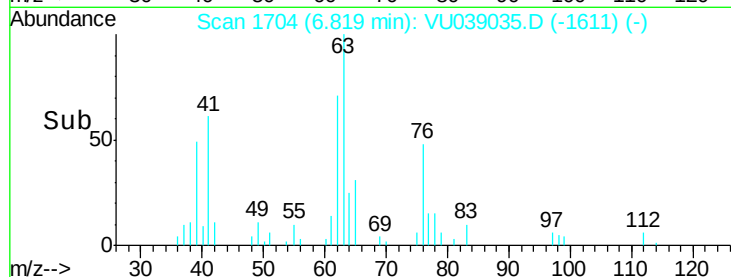
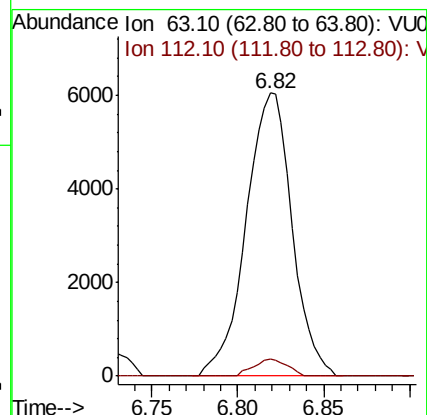
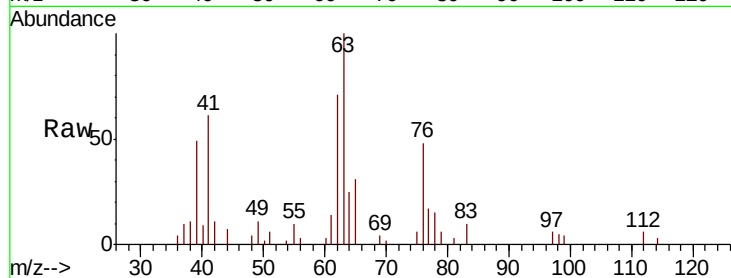
VSTD0.501

Tot Ion: 63 Resp: 11204

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#38

Bromodichloromethane

Concen: 0.521 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

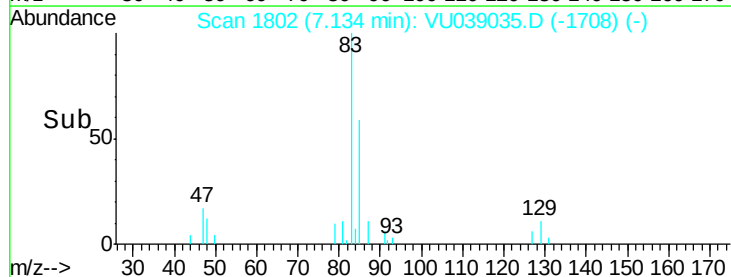
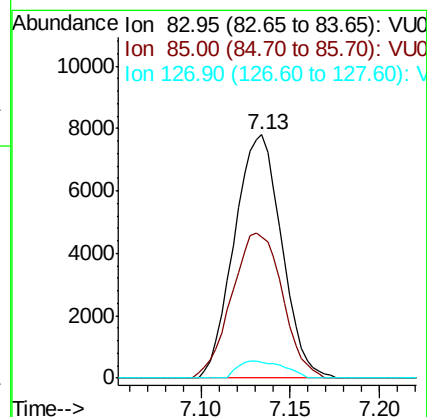
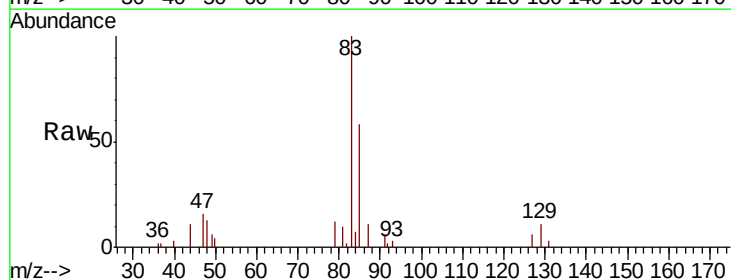
Tgt Ion: 83 Resp: 14414

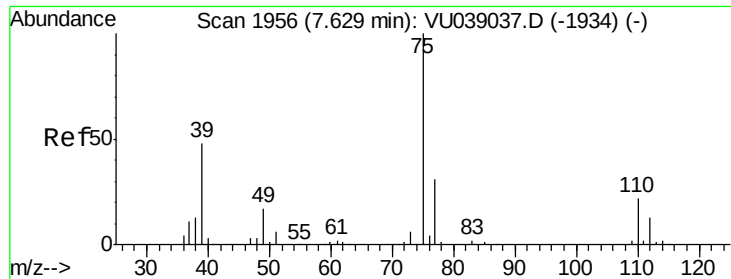
Ion Ratio Lower Upper

83 100

85 58.1 44.9 83.3

127 6.2 6.3 9.5#

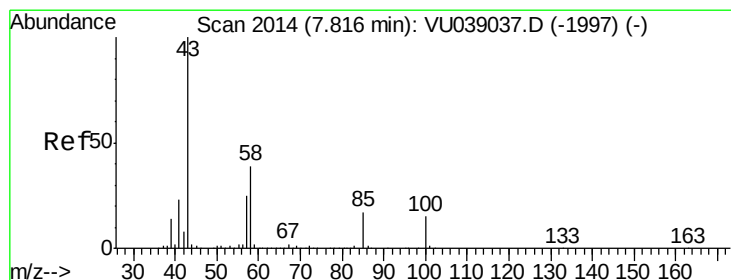
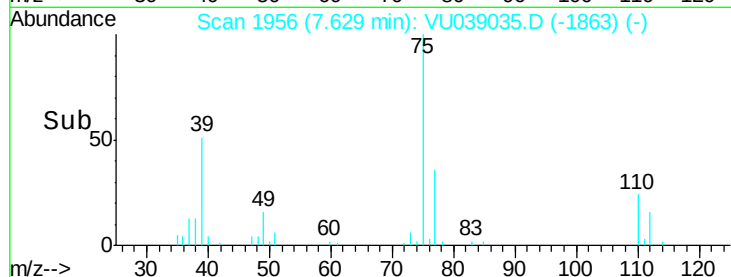
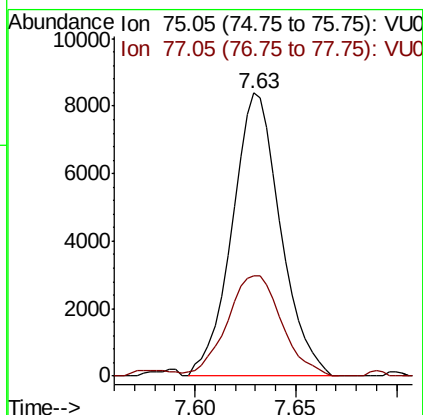
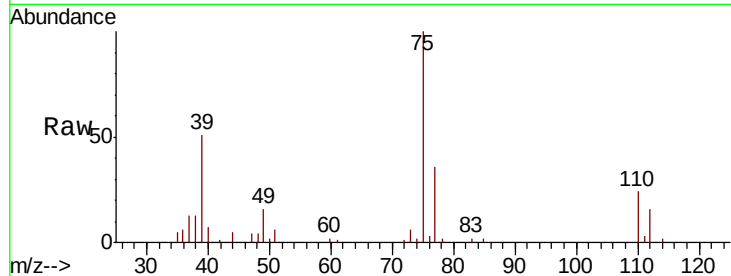




#39
 cis-1,3-Dichloropropene
 Concen: 0.458 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

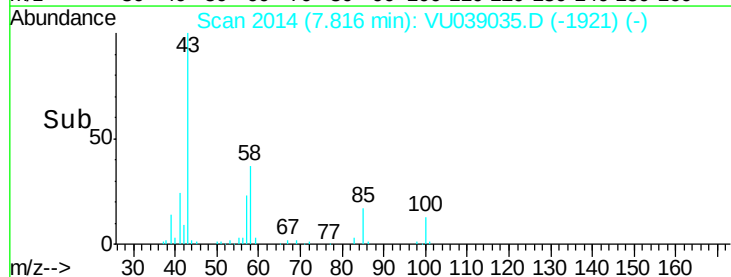
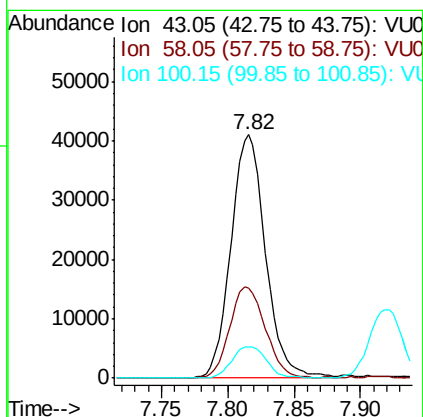
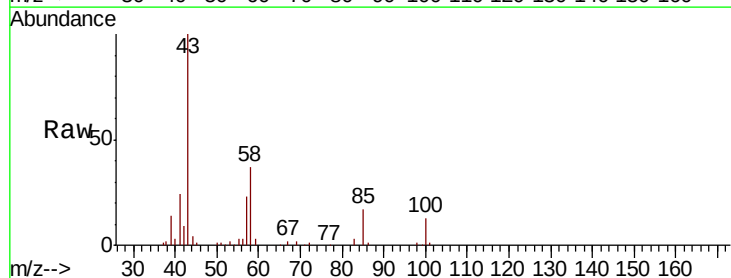
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

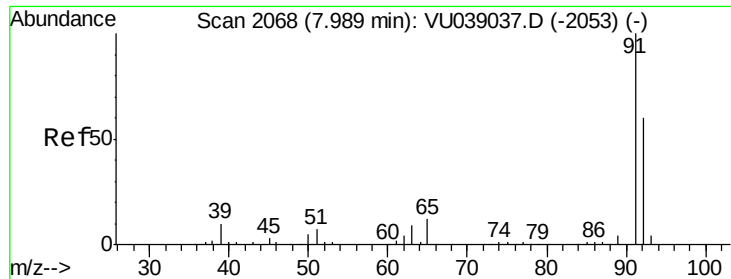
Tot Ion: 75 Resp: 14076
 Ion Ratio Lower Upper
 75 100
 77 35.5 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 4.504 ug/L
 RT: 7.82 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Tgt Ion: 43 Resp: 74541
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.3 46.9
 100 13.1 11.6 17.4





#42

Toluene

Concen: 0.473 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

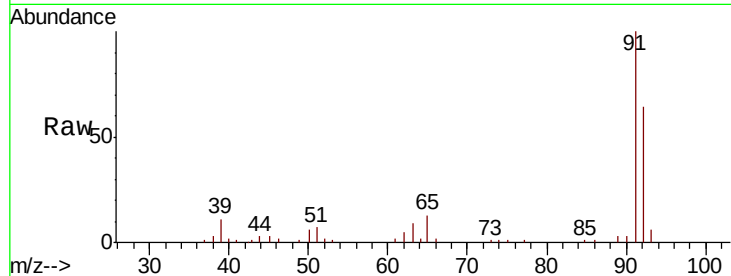
VSTD0.501

Tot Ion: 91 Resp: 38390

Ion Ratio Lower Upper

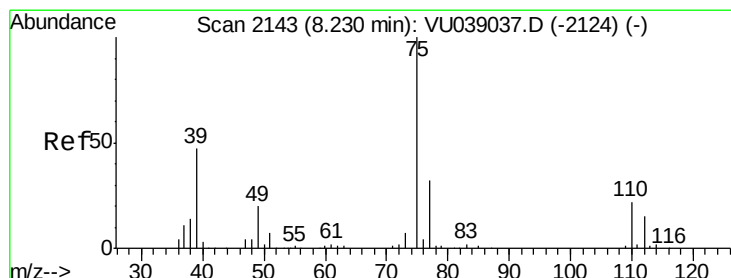
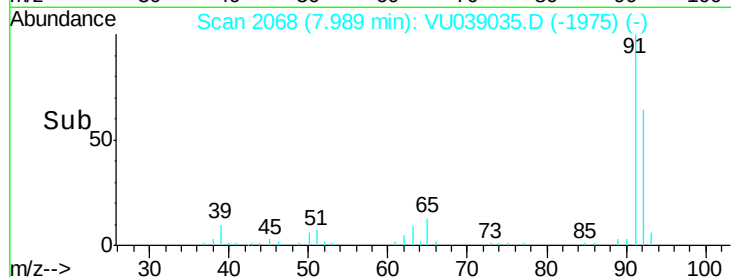
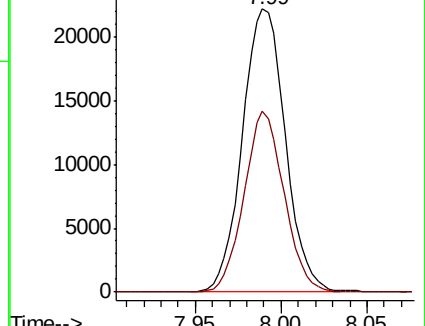
91 100

92 63.8 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039037.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039037.D (-2053) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.478 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039035.D

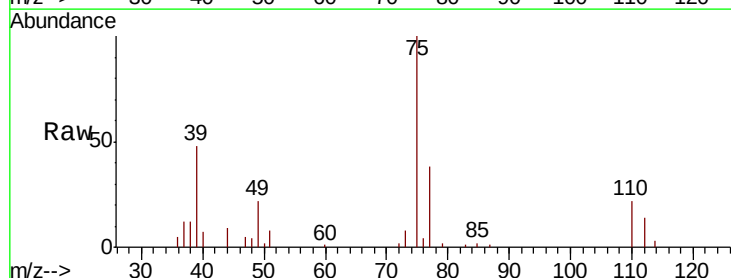
Acq: 23 Jun 2020 12:58

Tgt Ion: 75 Resp: 13735

Ion Ratio Lower Upper

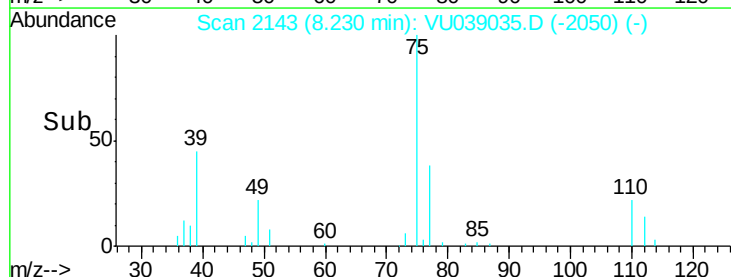
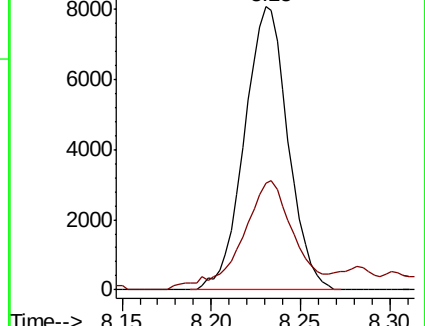
75 100

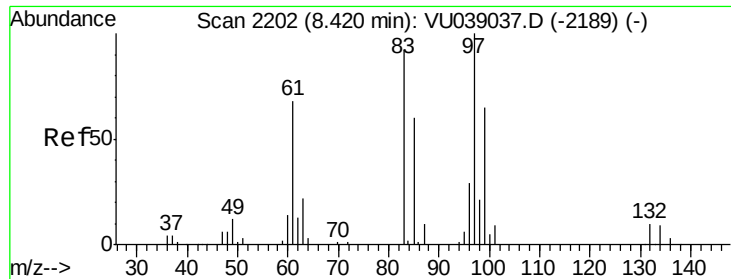
77 37.6 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039037.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU039037.D (-2124) (-)

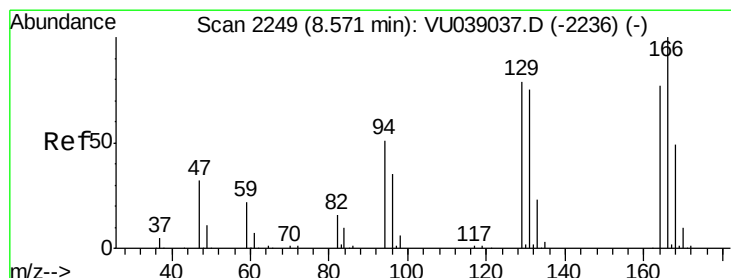
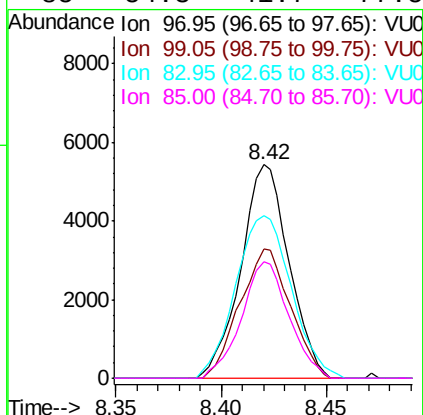
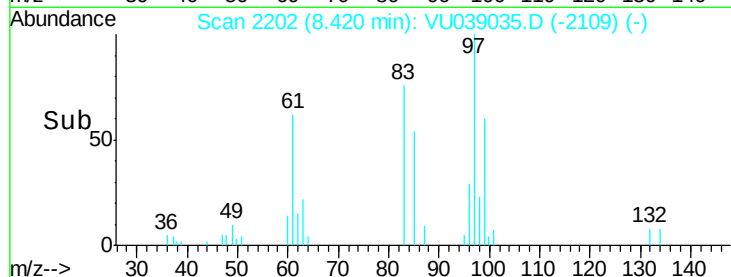
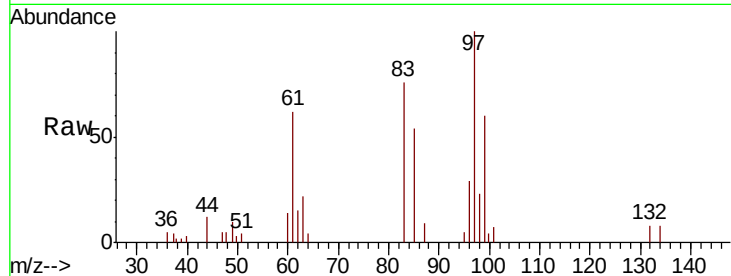




#45
 1,1,2-Trichloroethane
 Concen: 0.523 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

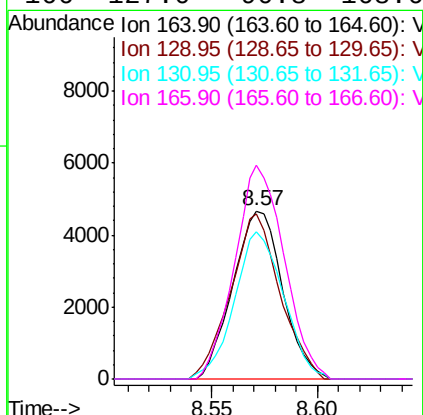
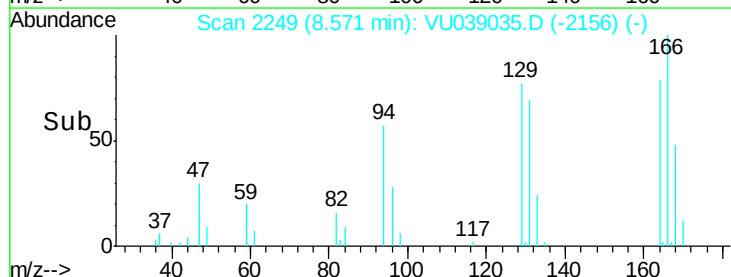
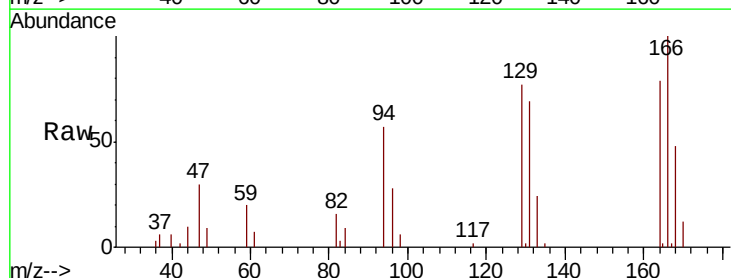
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

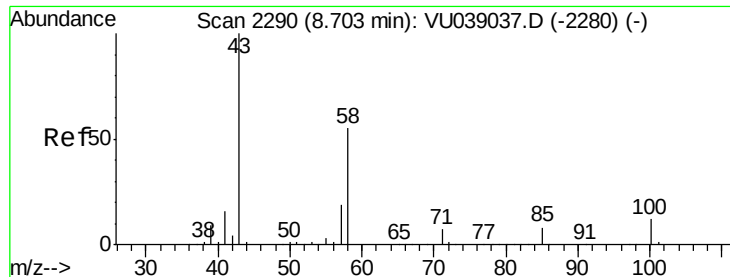
Tot Ion:	97	Resp:	8618
Ion	Ratio	Lower	Upper
97	100		
99	60.3	45.4	84.4
83	76.3	64.4	119.6
85	54.3	41.7	77.5



#47
 Tetrachloroethene
 Concen: 0.535 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Tgt Ion:	164	Resp:	7633
Ion	Ratio	Lower	Upper
164	100		
129	98.1	71.3	132.5
131	87.6	68.3	126.8
166	127.0	90.8	168.6

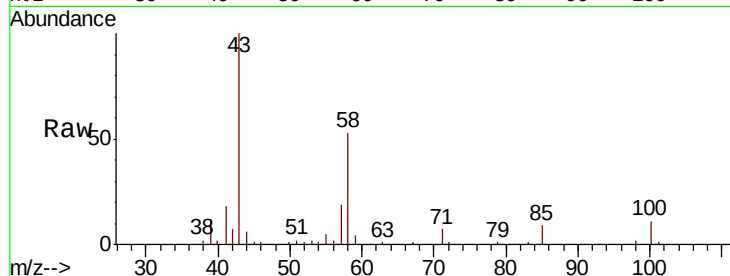




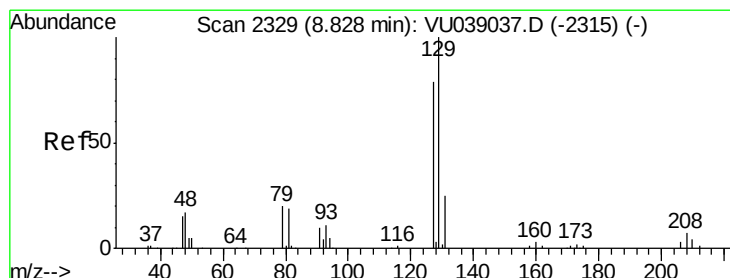
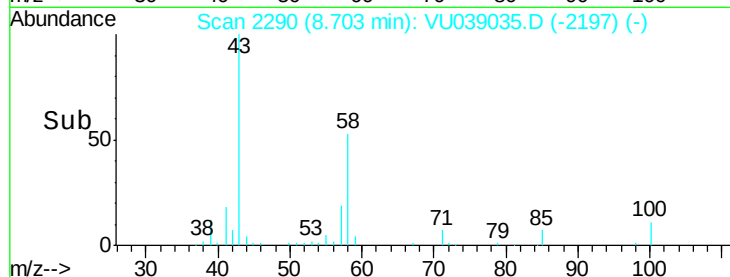
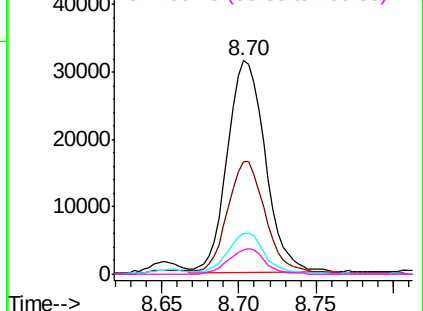
#48
2-Hexanone
Concen: 4.433 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion: 43 Resp: 53781
Ion Ratio Lower Upper
43 100
58 52.6 44.0 66.0
57 18.0 15.0 22.6
100 11.4 9.4 14.2

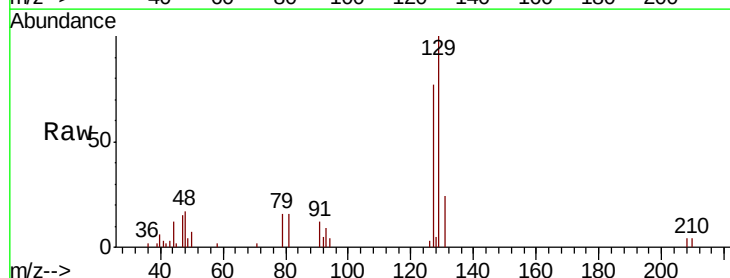


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

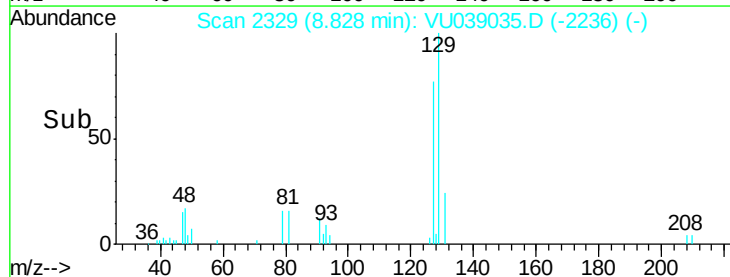
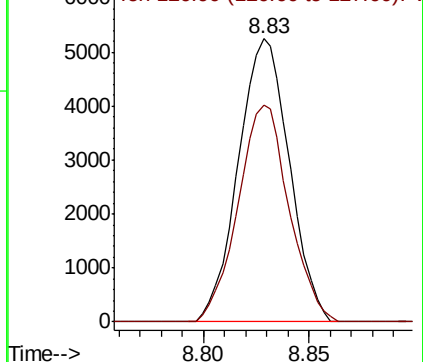


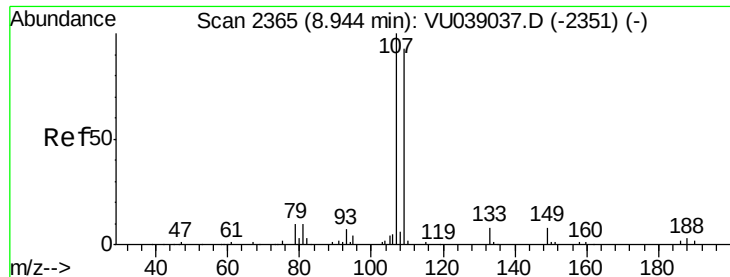
#49
Dibromochloromethane
Concen: 0.491 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

Tgt Ion: 129 Resp: 8798
Ion Ratio Lower Upper
129 100
127 76.5 55.4 103.0



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

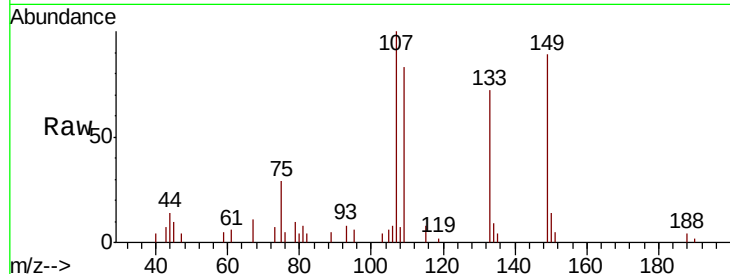




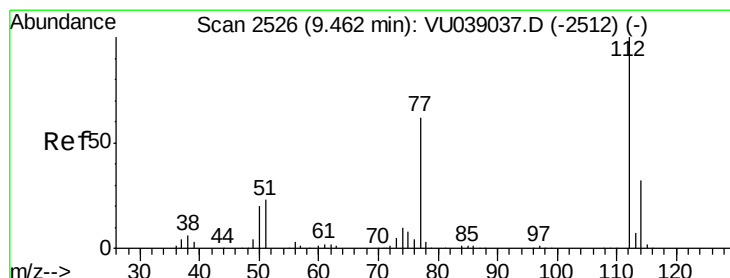
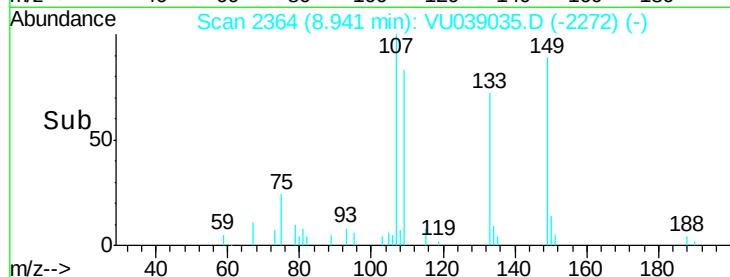
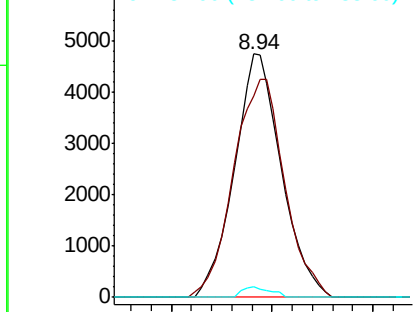
#50
1,2-Dibromoethane
Concen: 0.495 ug/L
RT: 8.94 min Scan# 2364
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion:107 Resp: 7706
Ion Ratio Lower Upper
107 100
109 82.8 64.8 120.4
188 4.4 2.4 3.6#

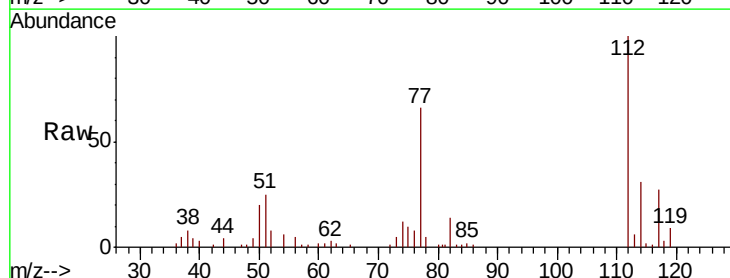


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

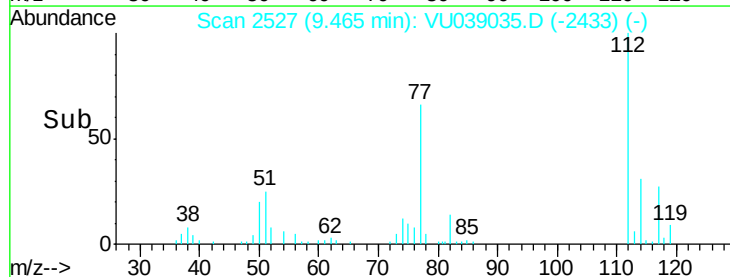
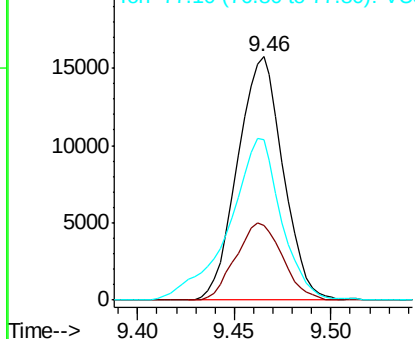


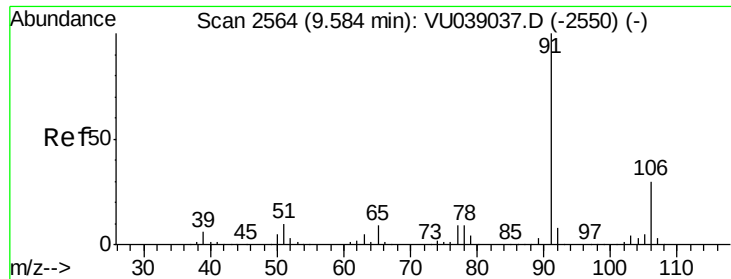
#51
Chlorobenzene
Concen: 0.503 ug/L
RT: 9.46 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

Tgt Ion:112 Resp: 25725
Ion Ratio Lower Upper
112 100
114 30.8 22.0 41.0
77 65.8 50.2 75.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.471 ug/L

RT: 9.58 min Scan# 2564

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

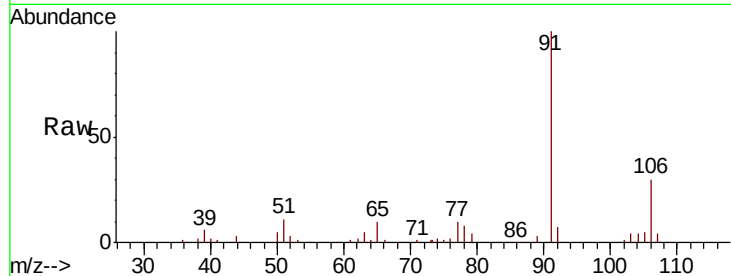
VSTD0.501

Tot Ion: 91 Resp: 40215

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039035.D (-2510) (-)

Ion 106.15 (105.85 to 106.85): VU039035.D (-2510) (-)

9.58

25000

20000

15000

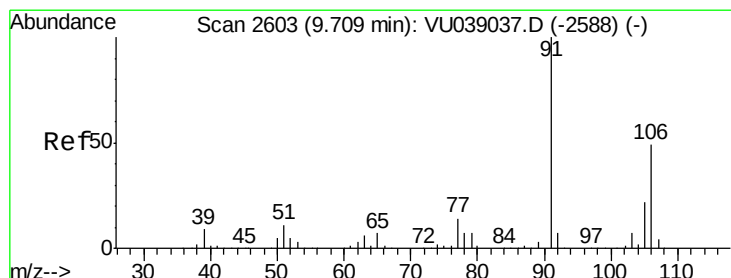
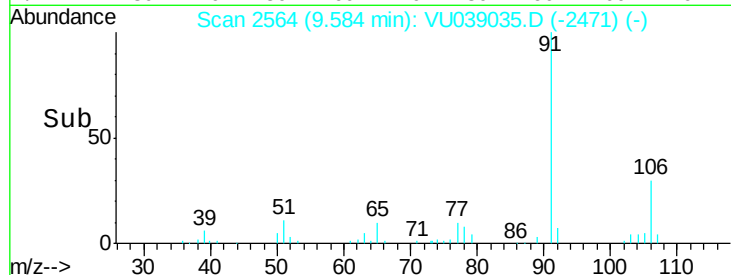
10000

5000

0

Time-->

9.55 9.60 9.65



#53

m,p-Xylene

Concen: 0.460 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039035.D

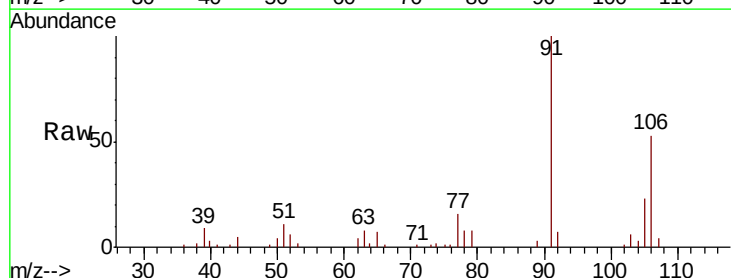
Acq: 23 Jun 2020 12:58

Tgt Ion: 106 Resp: 14428

Ion Ratio Lower Upper

106 100

91 188.6 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039035.D (-2510) (-)

Ion 91.15 (90.85 to 91.85): VU039035.D (-2510) (-)

9.71

20000

15000

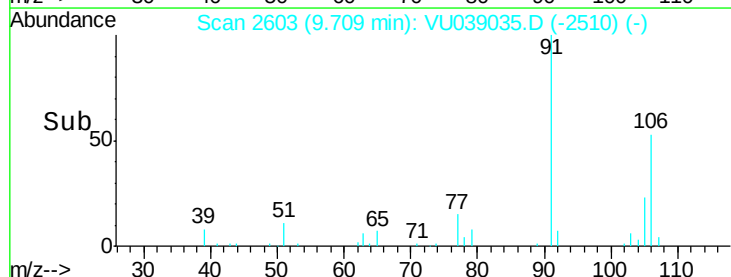
10000

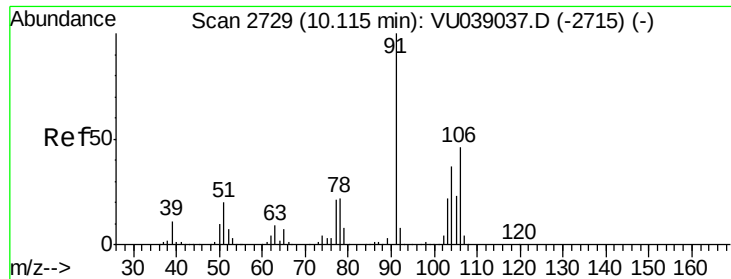
5000

0

Time-->

9.65 9.70 9.75

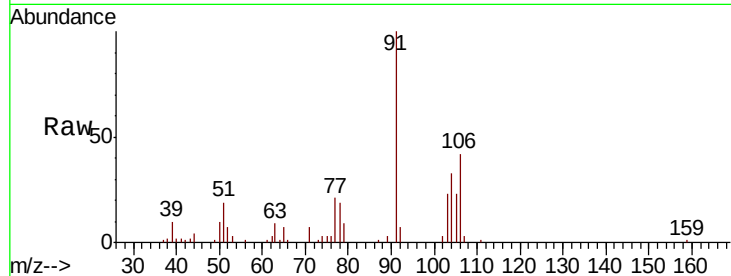




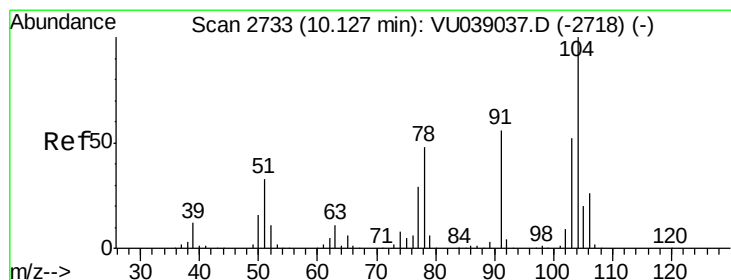
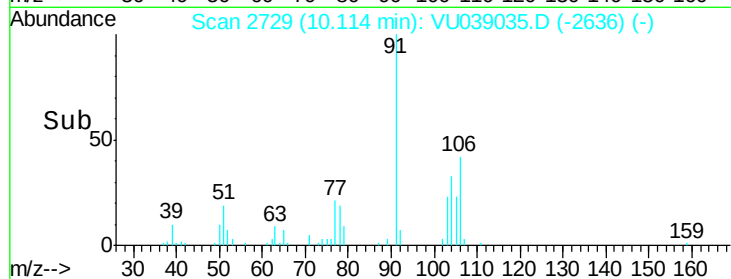
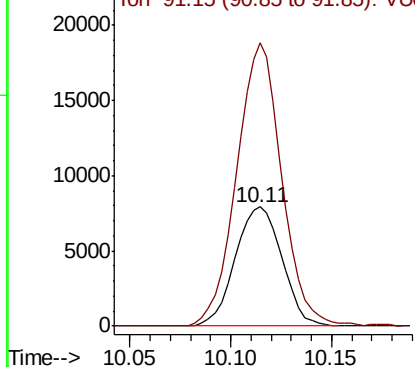
#54
o-Xylene
Concen: 0.426 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion:106 Resp: 12839
Ion Ratio Lower Upper
106 100
91 237.8 153.5 285.1

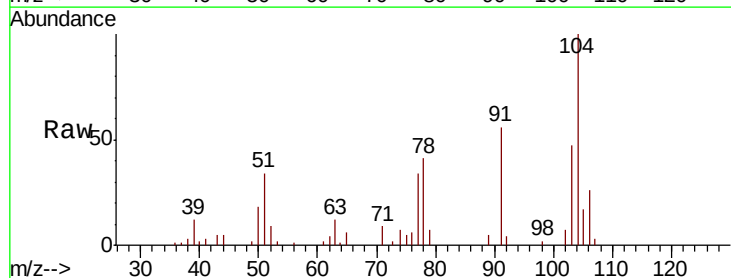


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

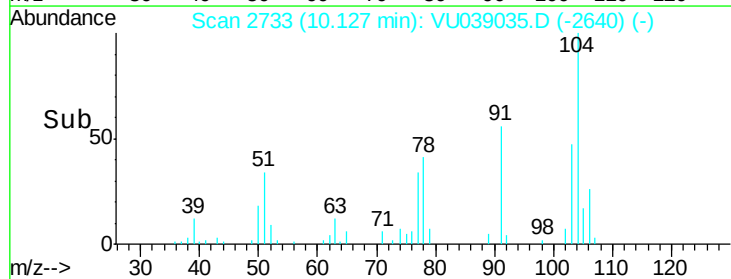
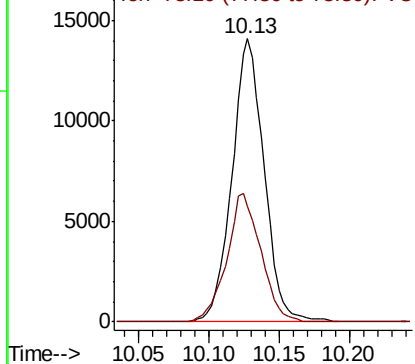


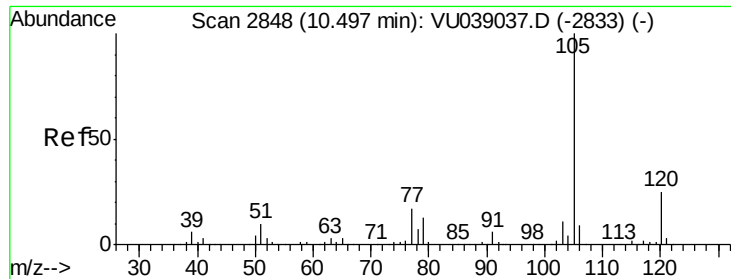
#55
Styrene
Concen: 0.425 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU039035.D
Acq: 23 Jun 2020 12:58

Tgt Ion:104 Resp: 22486
Ion Ratio Lower Upper
104 100
78 41.0 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.440 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

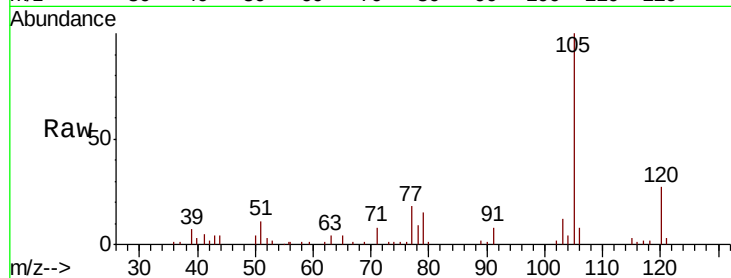
Tot Ion:105 Resp: 34771

Ion Ratio Lower Upper

105 100

120 26.3 19.9 29.9

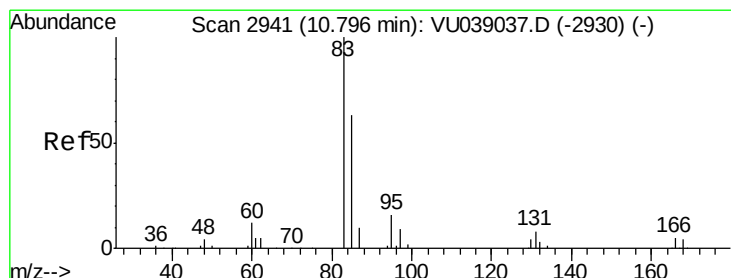
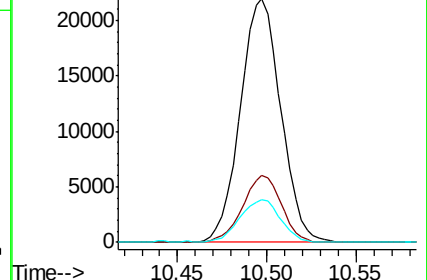
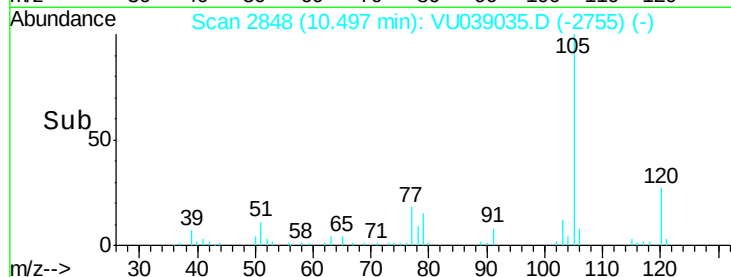
77 17.6 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.511 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

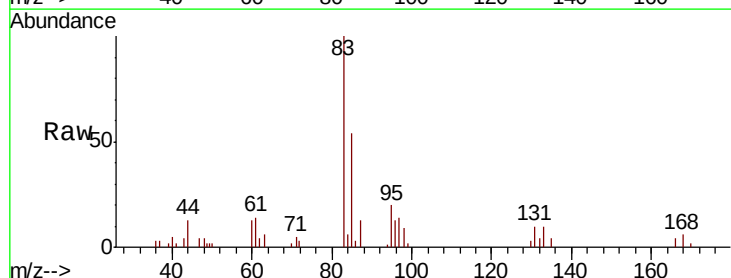
Tgt Ion: 83 Resp: 11269

Ion Ratio Lower Upper

83 100

85 53.8 45.3 84.1

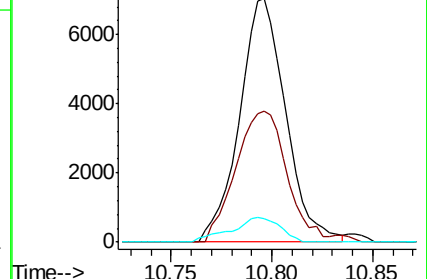
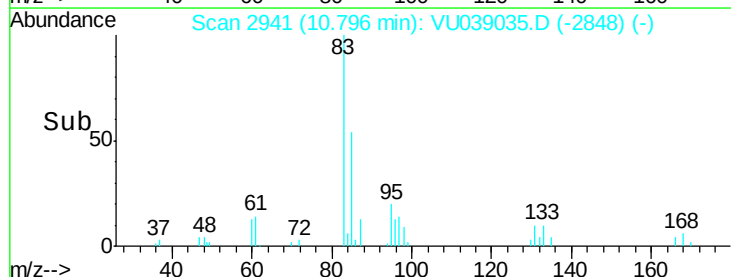
131 9.5 6.9 10.3

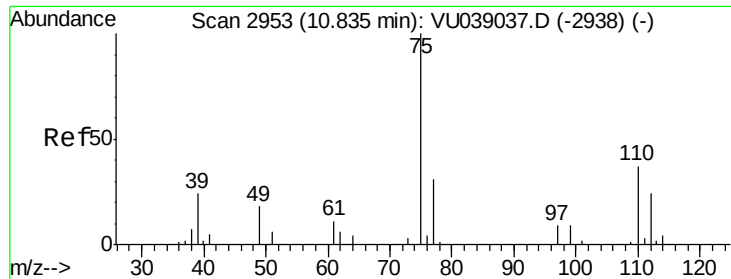


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

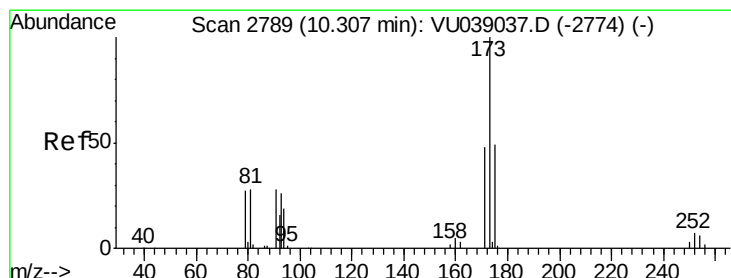
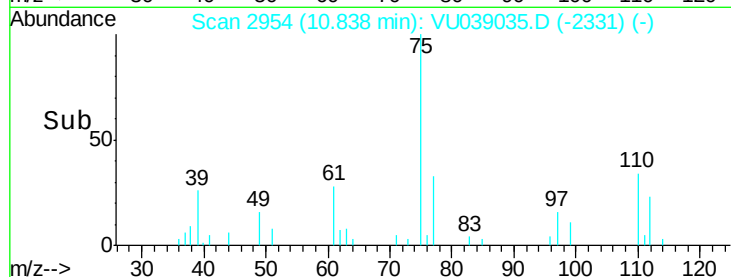
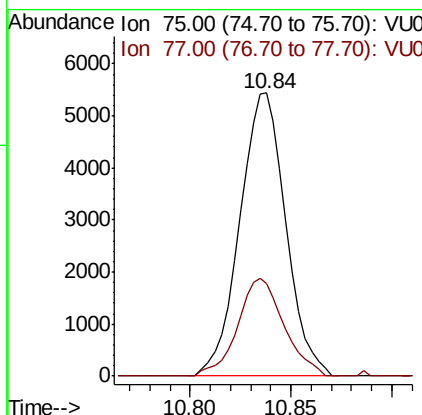
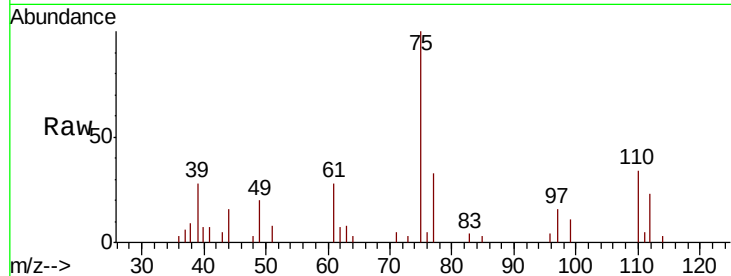




#59
 1,2,3-Trichloropropane
 Concen: 0.519 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

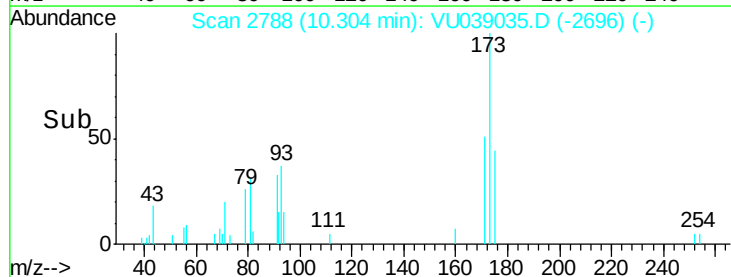
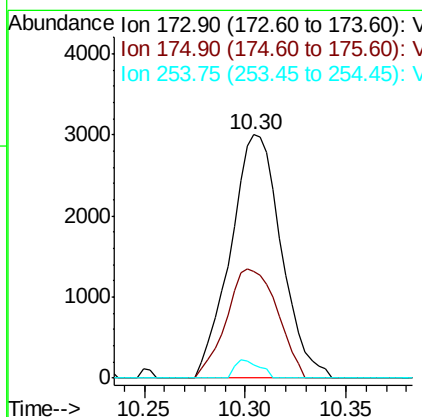
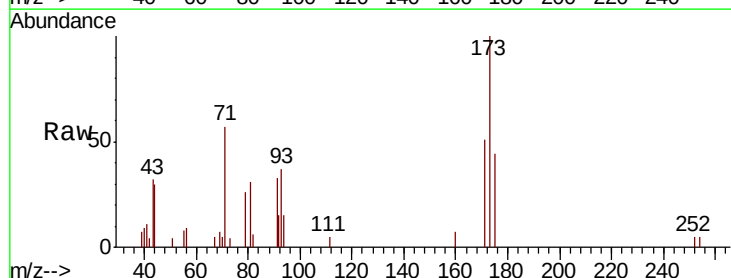
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

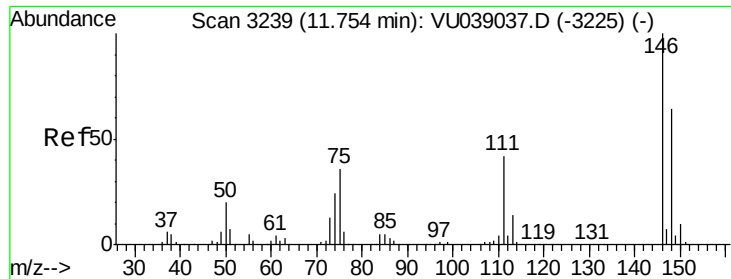
Tot Ion: 75 Resp: 8668
 Ion Ratio Lower Upper
 75 100
 77 34.8 26.2 39.2



#61
 Bromoform
 Concen: 0.544 ug/L
 RT: 10.30 min Scan# 2788
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Tgt Ion: 173 Resp: 5270
 Ion Ratio Lower Upper
 173 100
 175 45.0 39.3 58.9
 254 3.6 4.4 6.6#

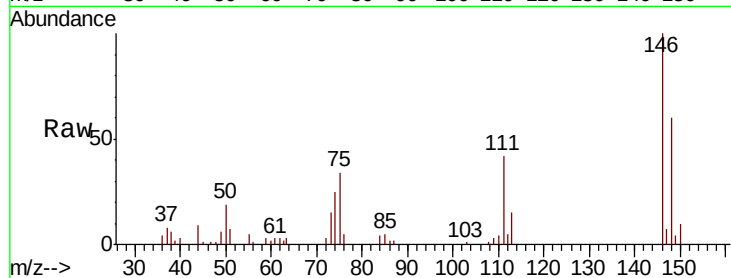




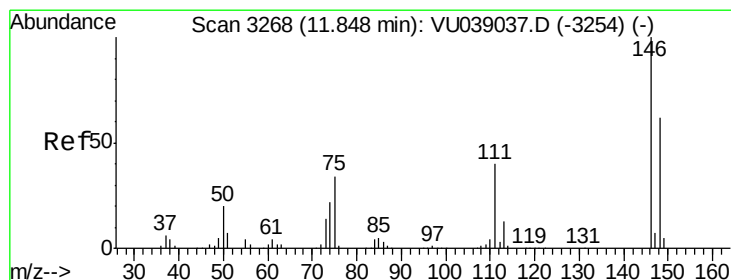
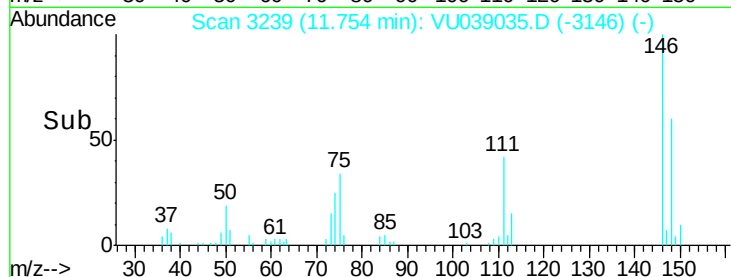
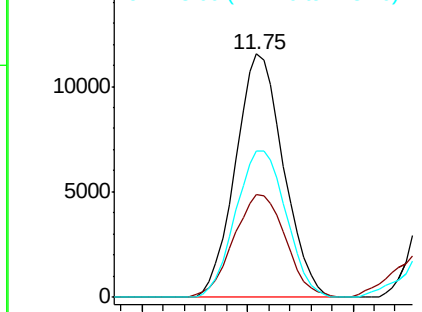
#62
 1,3-Dichlorobenzene
 Concen: 0.516 ug/L
 RT: 11.75 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion:146 Resp: 18196
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.5 54.9
 148 60.1 44.5 82.7

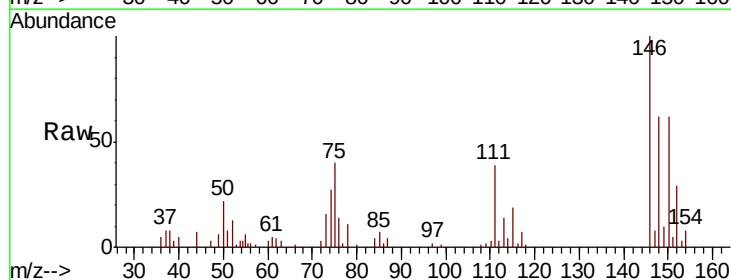


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

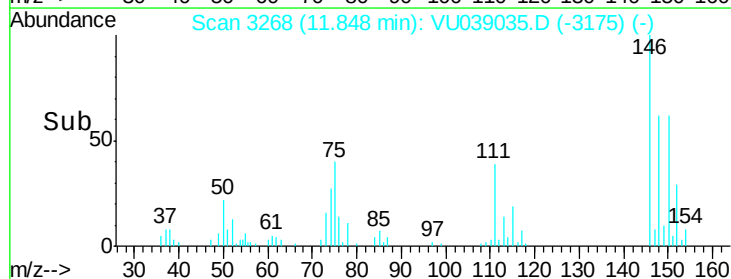
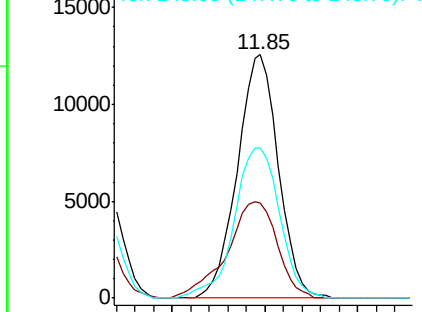


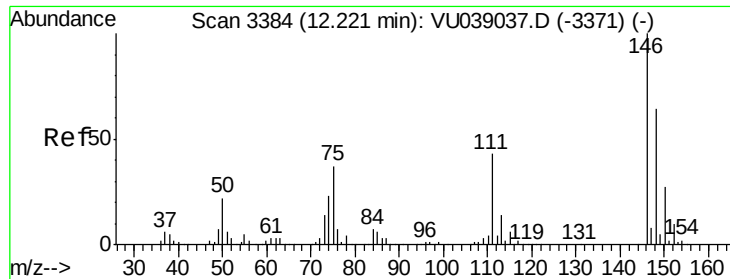
#63
 1,4-Dichlorobenzene
 Concen: 0.530 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Tgt Ion:146 Resp: 19265
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.4 52.8
 148 61.9 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

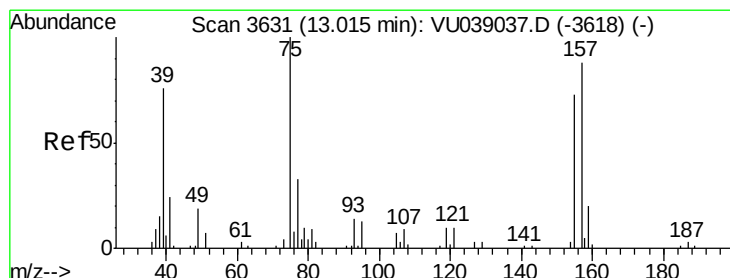
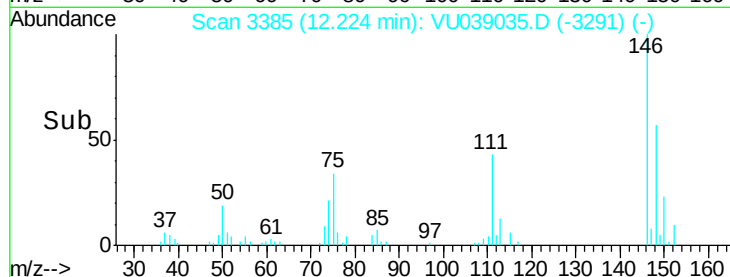
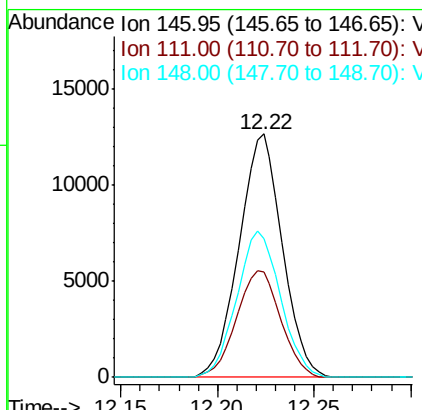
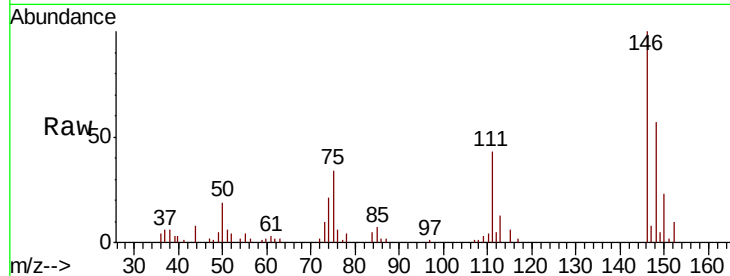




#65
 1,2-Dichlorobenzene
 Concen: 0.556 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

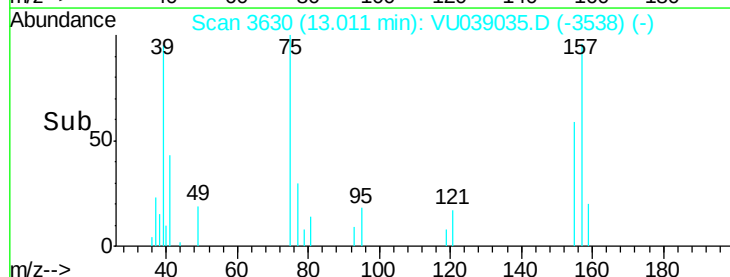
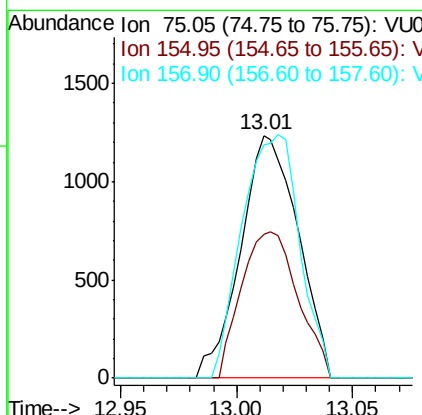
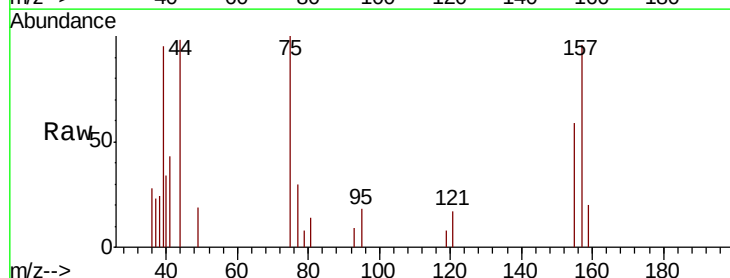
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

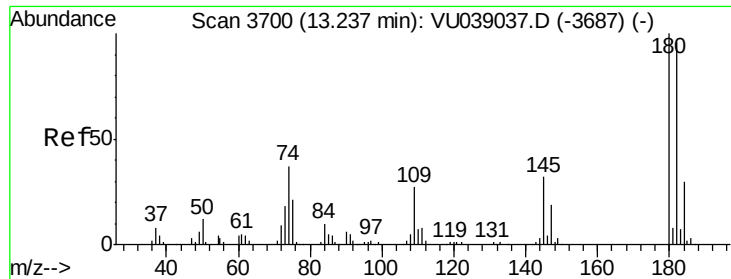
Tot Ion:146 Resp: 19649
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.7 52.1
 148 56.8 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.546 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Tgt Ion: 75 Resp: 2131
 Ion Ratio Lower Upper
 75 100
 155 59.3 58.6 88.0
 157 96.2 70.3 105.5

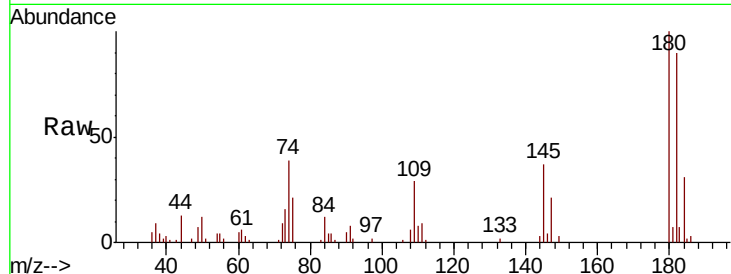




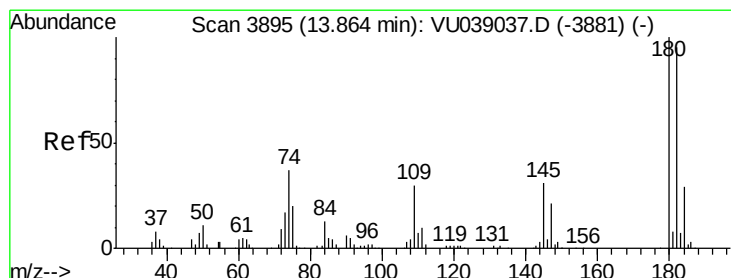
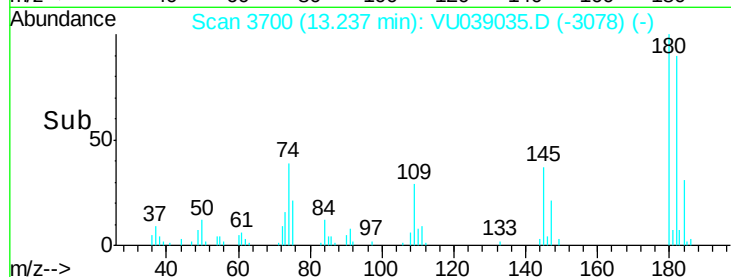
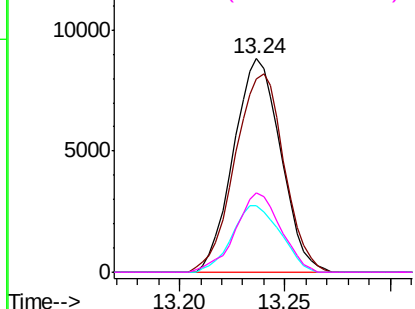
#67
 1,3,5-Trichlorobenzene
 Concen: 0.526 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD0.501

Tot Ion:180 Resp: 13714
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.3 114.5
 184 32.0 24.2 36.4
 145 35.6 25.2 37.8

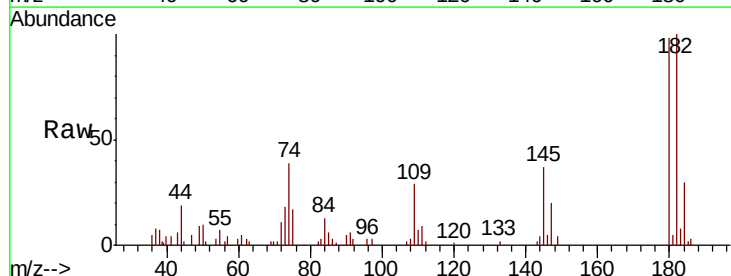


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

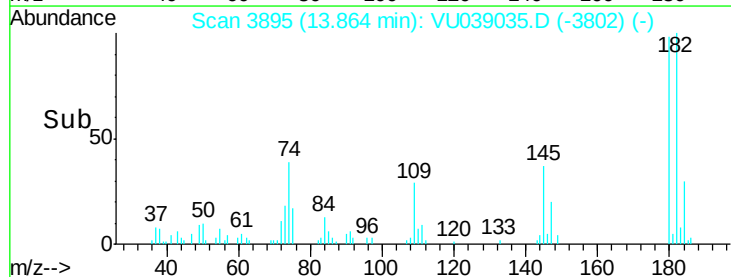
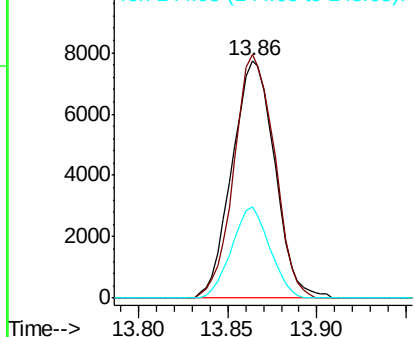


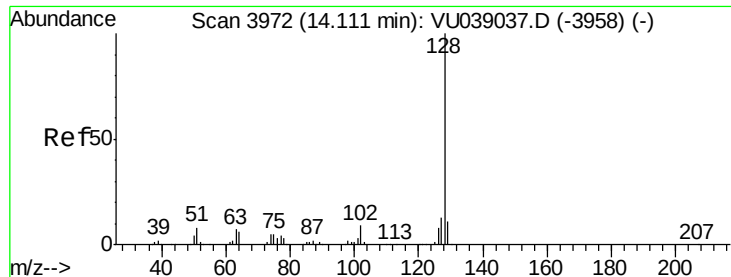
#68
 1,2,4-trichlorobenzene
 Concen: 0.541 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU039035.D
 Acq: 23 Jun 2020 12:58

Tgt Ion:180 Resp: 12870
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.0 115.6
 145 34.2 25.4 38.2



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





#69

Naphthalene

Concen: 0.485 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

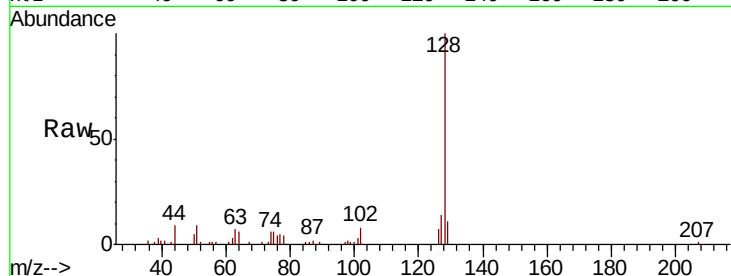
Tot Ion:128 Resp: 24611

Ion Ratio Lower Upper

128 100

129 10.1 8.9 13.3

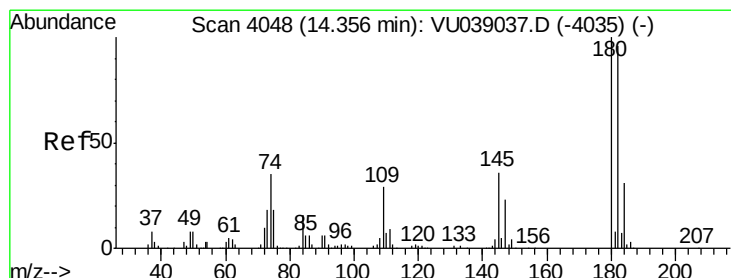
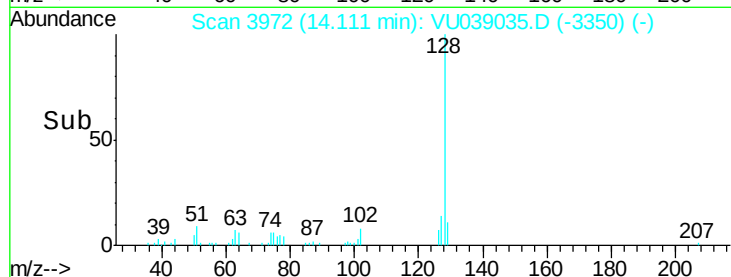
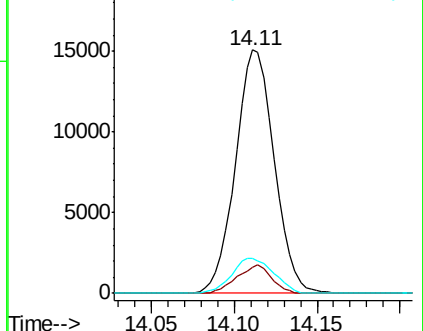
127 15.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.516 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU039035.D

Acq: 23 Jun 2020 12:58

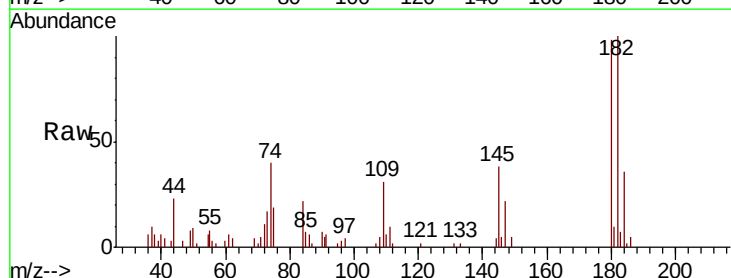
Tgt Ion:180 Resp: 11836

Ion Ratio Lower Upper

180 100

182 98.5 75.8 113.6

145 35.3 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

