

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\NOT REVIEWED DATA\
 Data File : VU038334.D
 Acq On : 28 May 2020 09:23
 Operator : JC/MD
 Sample : VSTD00535
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

Quant Time: May 28 11:28:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 11:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	498233	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	482405	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	231041	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17900	5.72	ug/L	0.00
7) Chloroethane-d5	1.93	69	14559	6.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	35166	5.50	ug/L	0.00
21) 2-Butanone-d5	4.66	46	30694	10.33	ug/L	0.00
24) Chloroform-d	5.11	84	32000	5.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	24505	5.82	ug/L	0.00
32) Benzene-d6	5.76	84	71433	5.70	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	21847	5.62	ug/L	0.00
41) Toluene-d8	7.93	98	59661	5.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	9852	5.09	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	19085	9.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	30176	5.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	24491	5.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	17231	4.595 ug/L	96
3) Chloromethane	1.54	50	15873	4.592 ug/L	100
5) Vinyl chloride	1.62	62	16741	4.384 ug/L	90
6) Bromomethane	1.87	94	5874	3.760 ug/L	90
8) Chloroethane	1.95	64	10774	4.618 ug/L	94
9) Trichlorofluoromethane	2.16	101	22613	4.419 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	14412	4.710 ug/L	95
12) 1,1-Dichloroethene	2.61	96	13402	4.437 ug/L	83
13) Acetone	2.65	43	27521	11.146 ug/L	95
14) Carbon disulfide	2.82	76	44521	4.519 ug/L	99
15) Methyl Acetate	2.98	43	18682	4.221 ug/L	97
16) Methylene chloride	3.08	84	15315	4.412 ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	14062	4.334 ug/L	96
18) Methyl tert-butyl Ether	3.40	73	40202	3.864 ug/L	100
19) 1,1-Dichloroethane	3.91	63	25896	4.214 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	14819	4.169 ug/L	93
22) 2-Butanone	4.74	43	31464	9.089 ug/L	99
23) Bromochloromethane	5.01	128	7746	4.402 ug/L	85
25) Chloroform	5.13	83	30277	4.791 ug/L	98
27) 1,2-Dichloroethane	5.83	62	22611	4.419 ug/L	99
29) Cyclohexane	5.42	56	23312	4.215 ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	22386	4.268 ug/L	98
31) Carbon tetrachloride	5.56	117	18262	4.177 ug/L	99
33) Benzene	5.81	78	57056	4.211 ug/L	100
34) Trichloroethene	6.57	95	15520	4.477 ug/L	99
35) Methylcyclohexane	6.80	83	22634	4.159 ug/L	98
37) 1,2-Dichloropropane	6.82	63	14825	4.219 ug/L	# 97
38) Bromodichloromethane	7.13	83	18258	4.055 ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	22898	4.095 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	42319	7.573 ug/L	100

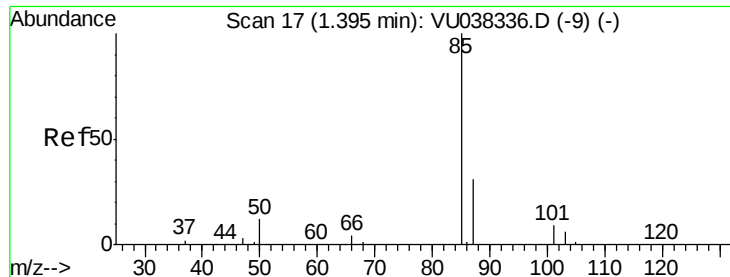
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\NOT REVIEWED DATA\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	58491	4.112	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	19549	3.735	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	13929	4.177	ug/L	98
46) Tetrachloroethene	8.58	164	10928	4.312	ug/L	95
48) 2-Hexanone	8.71	43	35752	7.577	ug/L	97
49) Dibromochloromethane	8.84	129	12887	3.817	ug/L	92
50) 1,2-Dibromoethane	8.95	107	14737	4.112	ug/L	98
51) Chlorobenzene	9.47	112	39335	4.303	ug/L	97
52) Ethylbenzene	9.59	91	63969	4.014	ug/L	99
53) m,p-Xylene	9.72	106	23424	3.843	ug/L	97
54) o-xylene	10.12	106	23314	3.934	ug/L	98
55) Styrene	10.13	104	36856	3.619	ug/L	95
56) Isopropylbenzene	10.50	105	59600	3.849	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	23000	4.031	ug/L	94
59) 1,2,3-Trichloropropane	10.84	75	20060	4.082	ug/L	100
61) Bromoform	10.31	173	8944	3.853	ug/L #	99
62) 1,3-Dichlorobenzene	11.76	146	29084	4.306	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	30076	4.381	ug/L	96
65) 1,2-Dichlorobenzene	12.23	146	28599	4.270	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	5079	3.704	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	19533	4.064	ug/L	97
68) 1,2,4-trichlorobenzene	13.88	180	17735	3.847	ug/L	99
69) Naphthalene	14.13	128	53079	3.216	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	16630	3.611	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.595 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

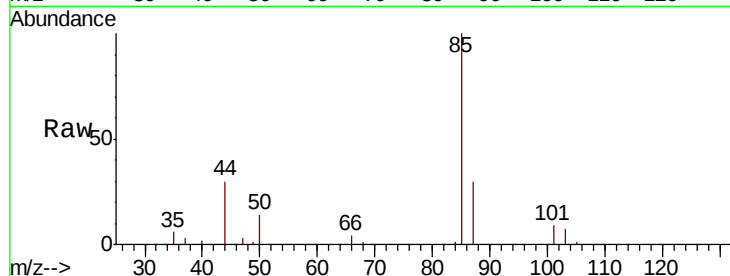
VSTD00535

Tot Ion: 85 Resp: 17231

Ion Ratio Lower Upper

85 100

87 29.6 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038336.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038336.D (-9) (-)

20000

15000

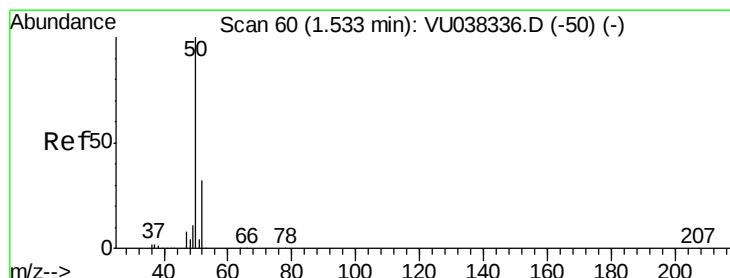
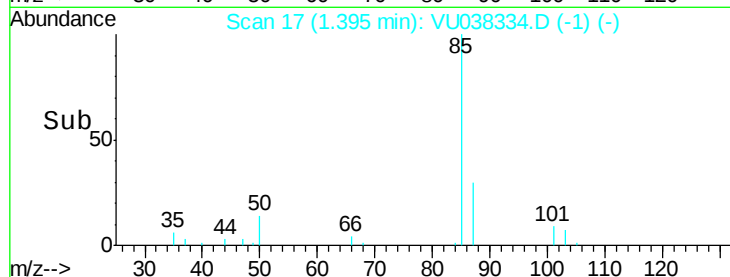
10000

5000

0

1.36 1.38 1.40 1.42 1.44

Time-->



#3

Chloromethane

Concen: 4.592 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU038334.D

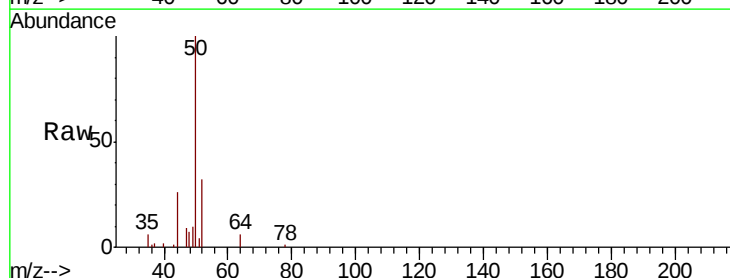
Acq: 28 May 2020 09:23

Tgt Ion: 50 Resp: 15873

Ion Ratio Lower Upper

50 100

52 31.9 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VU038336.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU038336.D (-50) (-)

15000

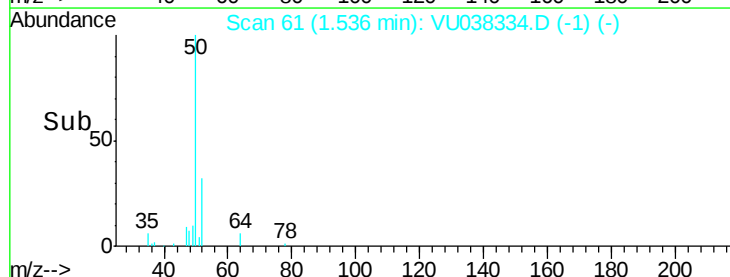
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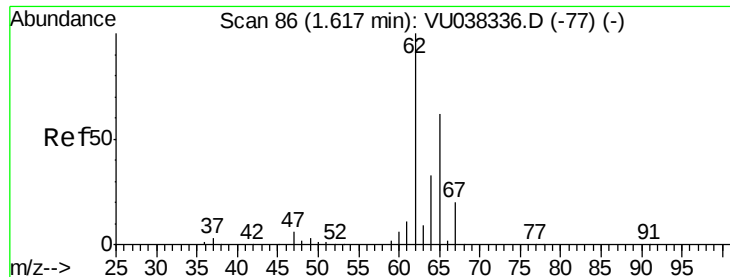
5000

0

1.50 1.52 1.54 1.56 1.58

Time-->





#5

Vinyl chloride

Concen: 4.384 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

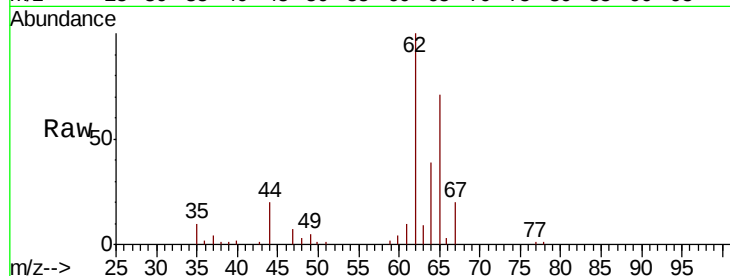
VSTD00535

Tot Ion: 62 Resp: 16741

Ion Ratio Lower Upper

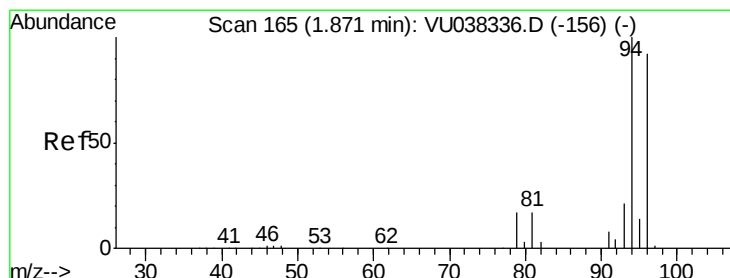
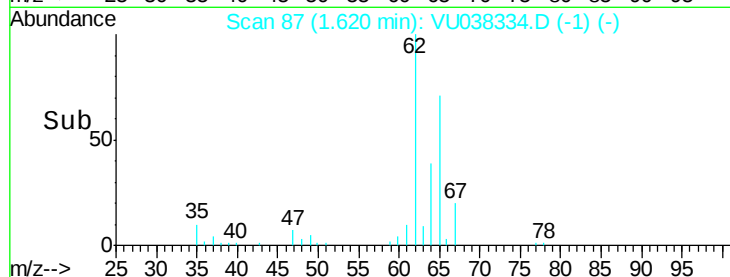
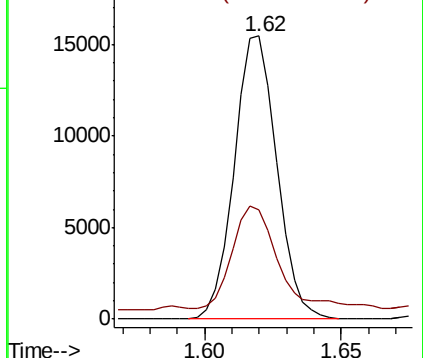
62 100

64 38.7 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 3.760 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038334.D

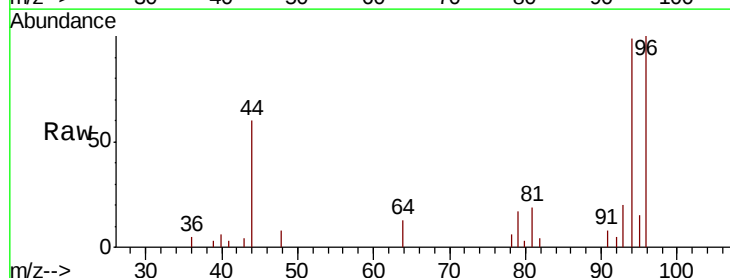
Acq: 28 May 2020 09:23

Tgt Ion: 94 Resp: 5874

Ion Ratio Lower Upper

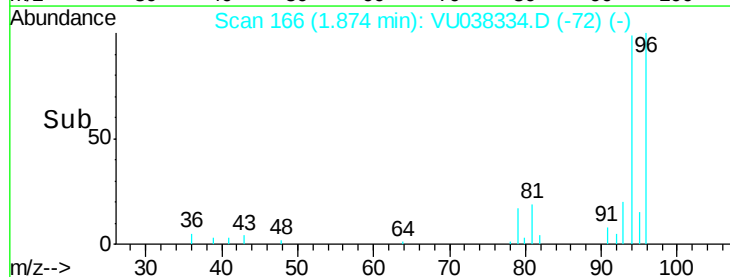
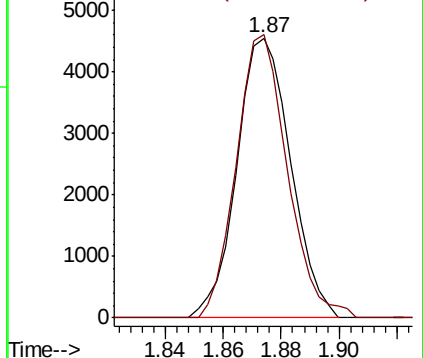
94 100

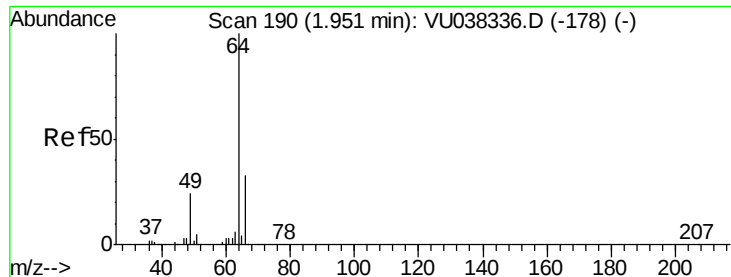
96 101.2 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.618 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

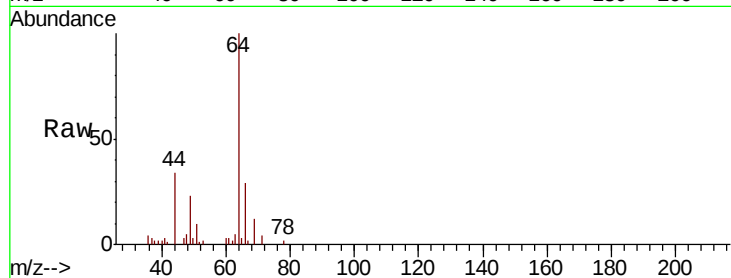
VSTD00535

Tot Ion: 64 Resp: 10774

Ion Ratio Lower Upper

64 100

66 29.4 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU038336.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU038336.D (-178) (-)

1.95

8000

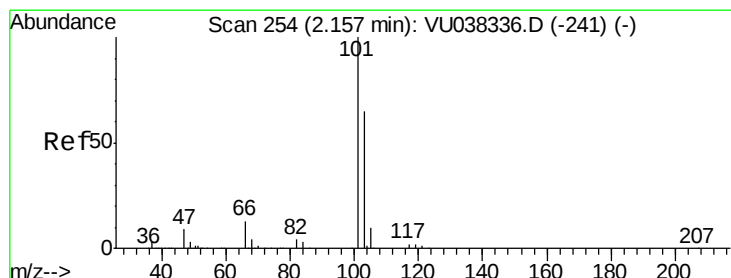
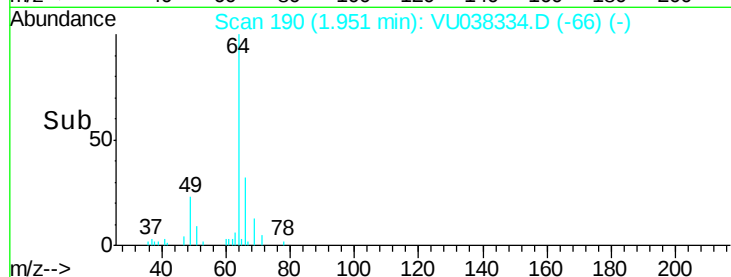
6000

4000

2000

0

Time--> 1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 4.419 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038334.D

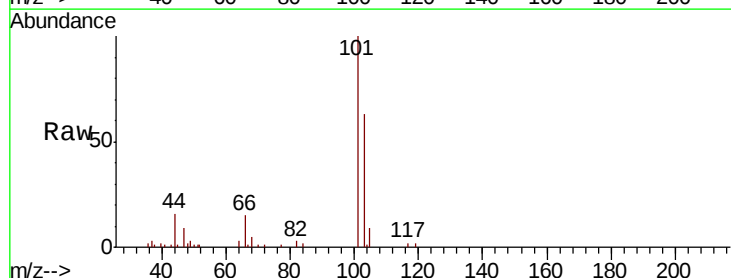
Acq: 28 May 2020 09:23

Tgt Ion: 101 Resp: 22613

Ion Ratio Lower Upper

101 100

103 65.2 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU038336.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU038336.D (-241) (-)

2.16

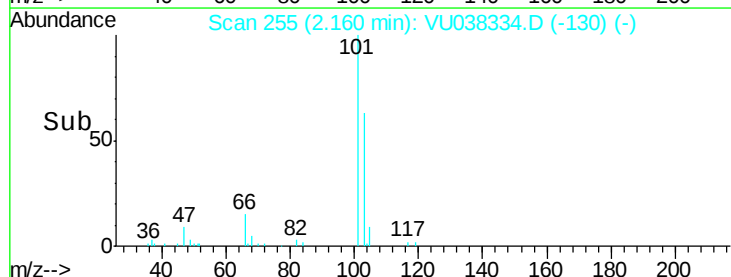
15000

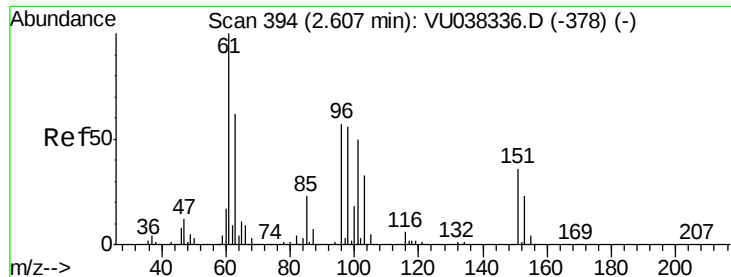
10000

5000

0

Time--> 2.10 2.15 2.20





#10

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

Concen: 4.710 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

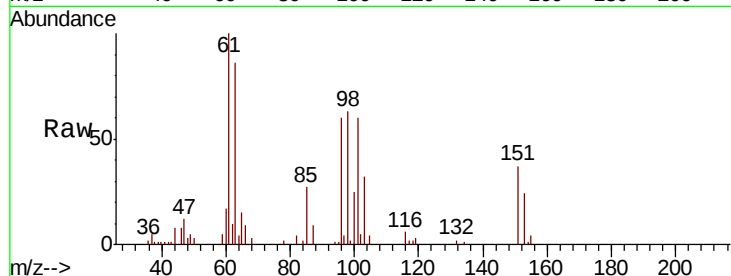
Tot Ion:101 Resp: 14412

Ion Ratio Lower Upper

101 100

85 45.5 35.5 53.3

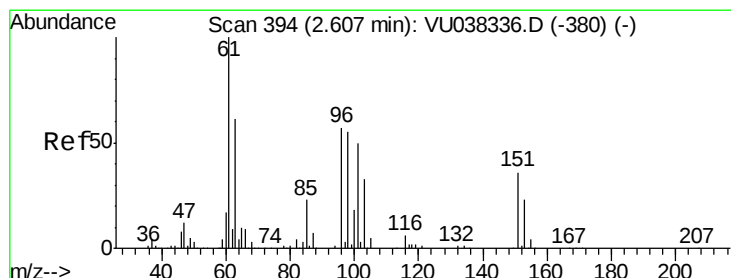
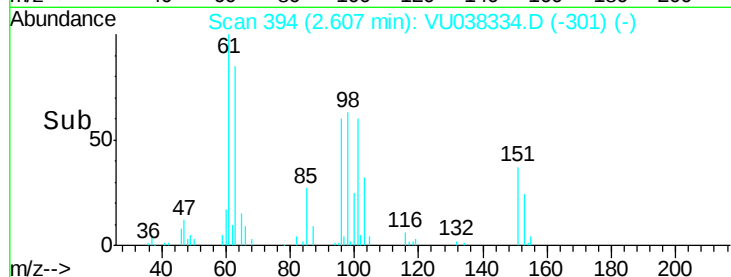
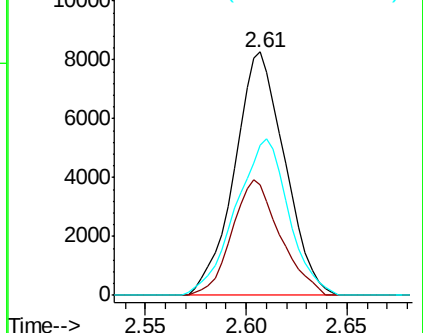
151 67.7 58.4 87.6



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: 4.437 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

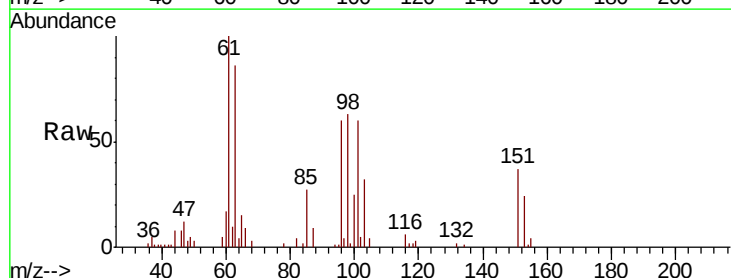
Tgt Ion: 96 Resp: 13402

Ion Ratio Lower Upper

96 100

61 165.6 123.5 229.3

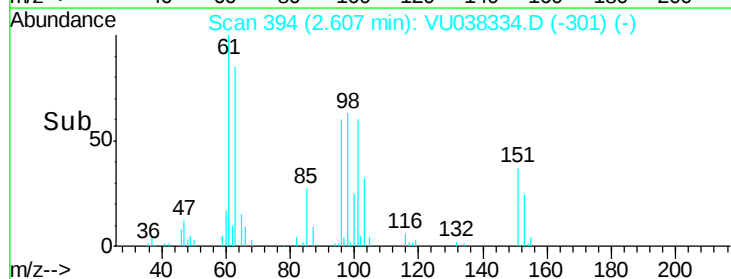
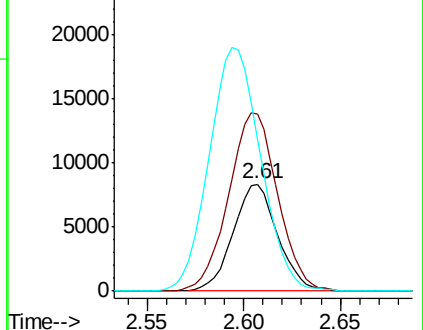
63 142.2 76.6 142.2

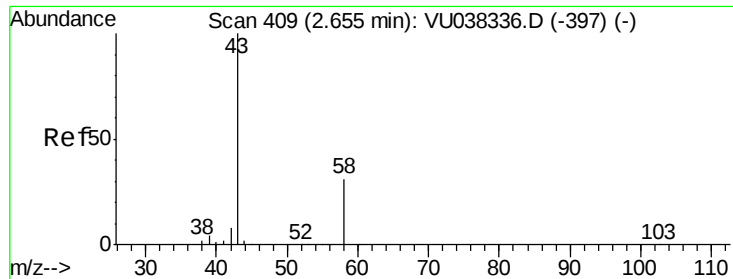


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.146 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

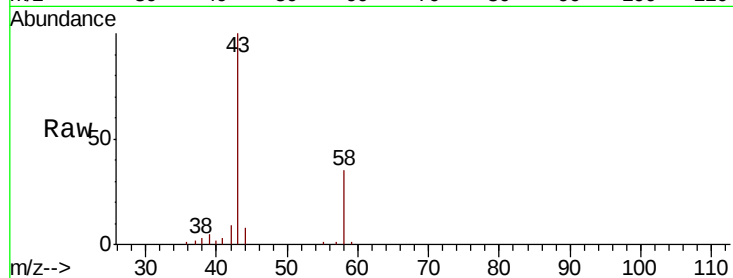
VSTD00535

Tot Ion: 43 Resp: 27521

Ion Ratio Lower Upper

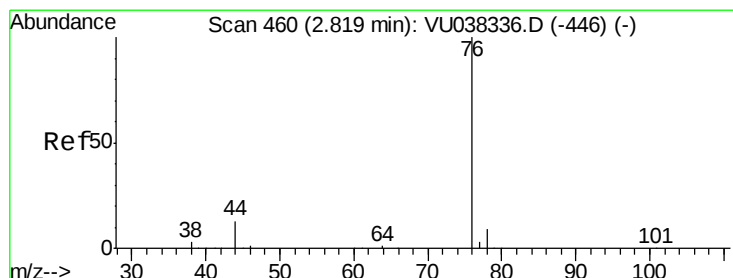
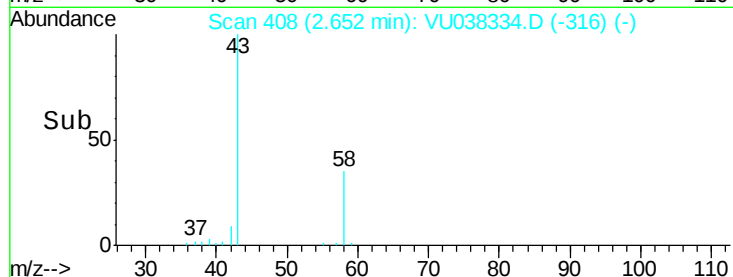
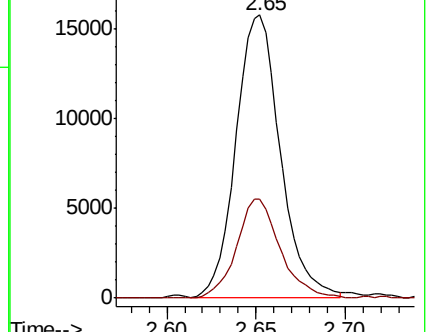
43 100

58 34.3 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VU038334.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU038334.D (-397) (-)



#14

Carbon disulfide

Concen: 4.519 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038334.D

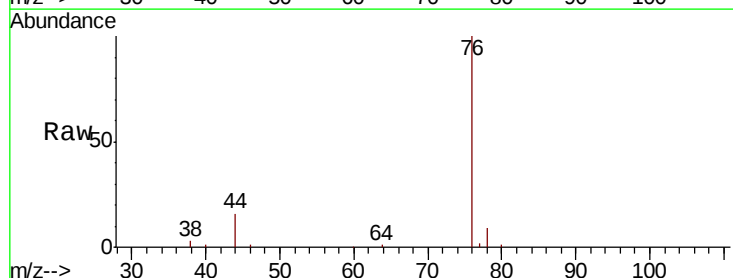
Acq: 28 May 2020 09:23

Tgt Ion: 76 Resp: 44521

Ion Ratio Lower Upper

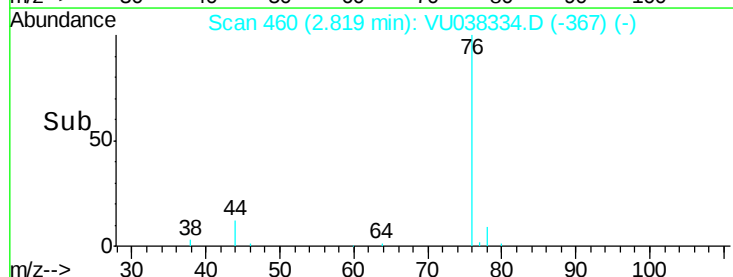
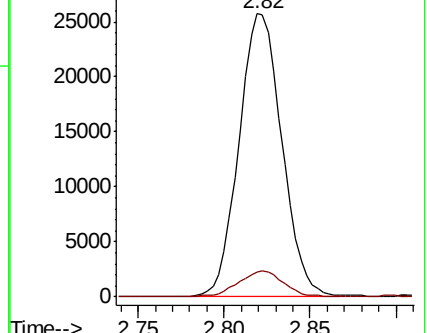
76 100

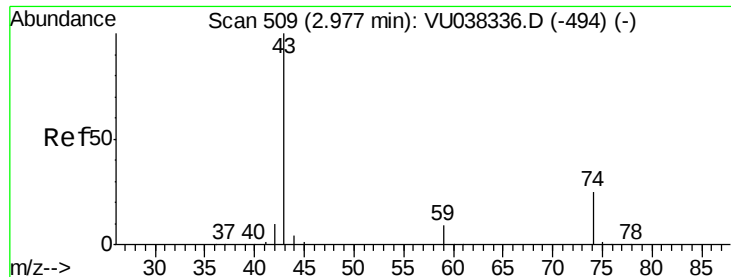
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU038334.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038334.D (-446) (-)





#15

Methvl Acetate

Concen: 4.221 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampled :

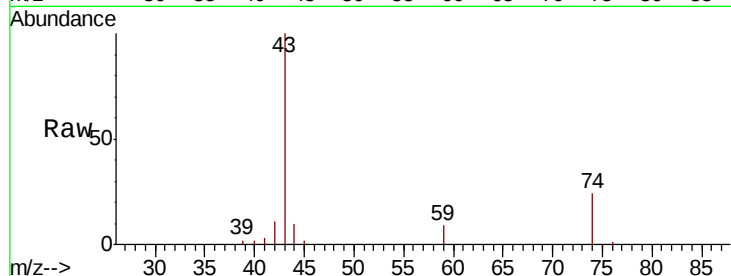
VSTD00535

Tot Ion: 43 Resp: 18682

Ion Ratio Lower Upper

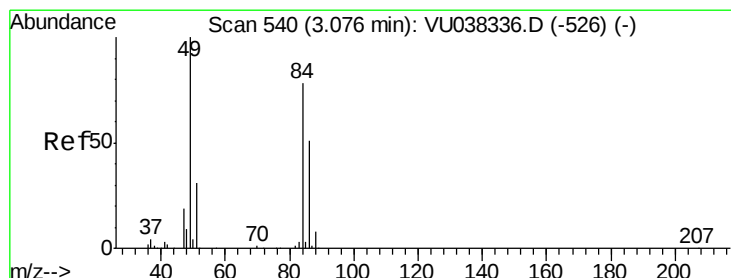
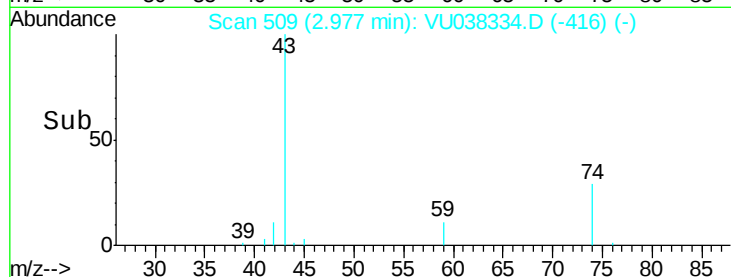
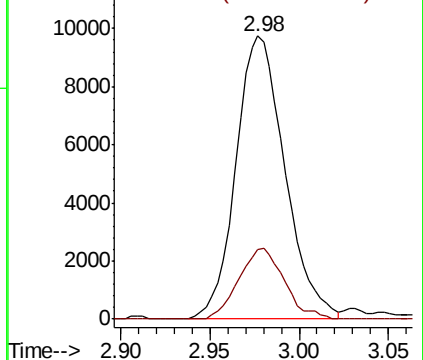
43 100

74 22.7 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 4.412 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

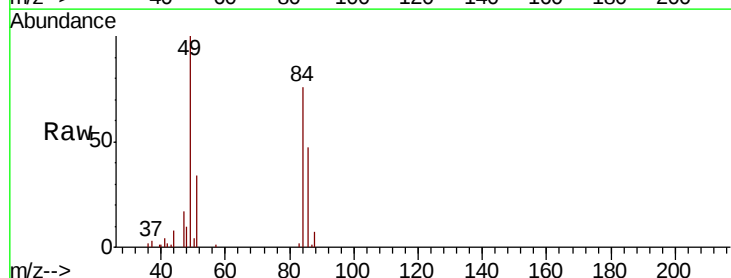
Tgt Ion: 84 Resp: 15315

Ion Ratio Lower Upper

84 100

86 62.1 46.1 85.7

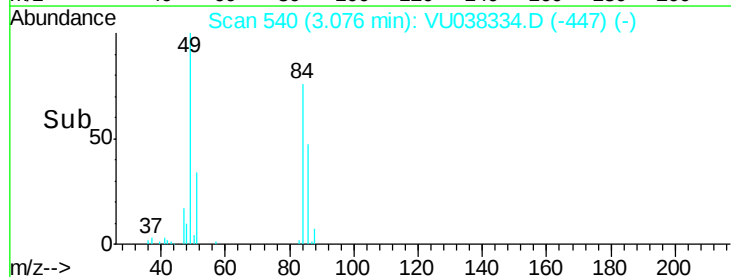
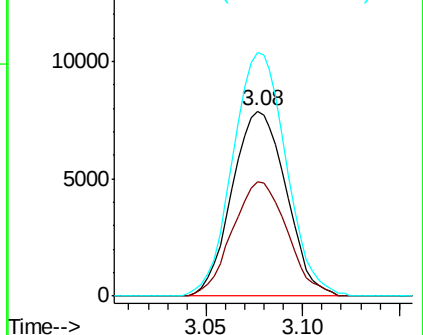
49 131.6 90.0 167.2

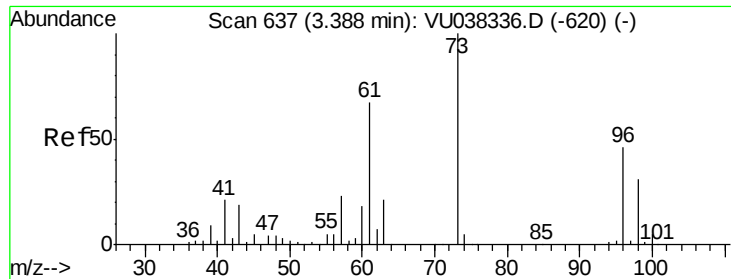


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 4.334 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

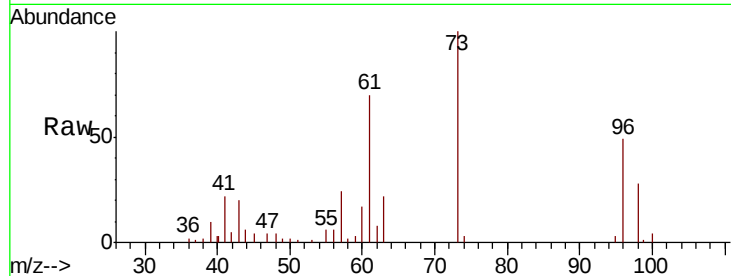
Tot Ion: 96 Resp: 14062

Ion Ratio Lower Upper

96 100

61 144.3 100.4 186.4

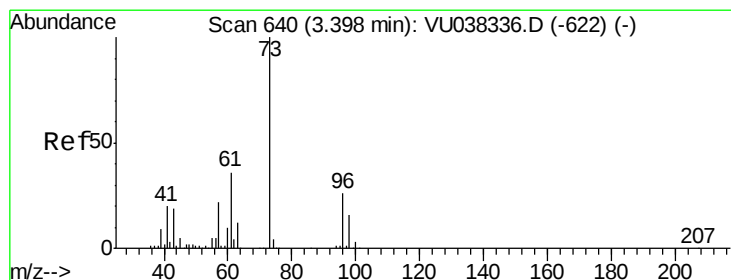
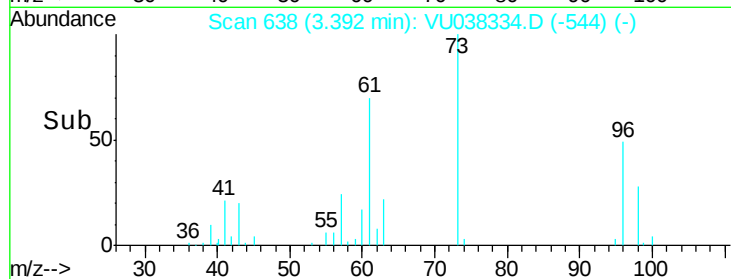
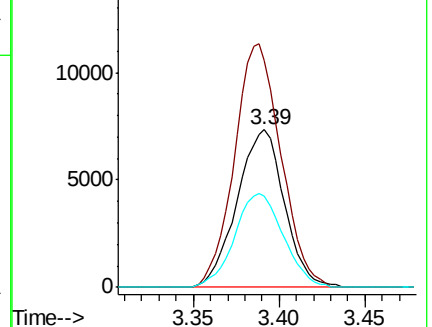
98 57.7 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU038334.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU038334.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU038334.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 3.864 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

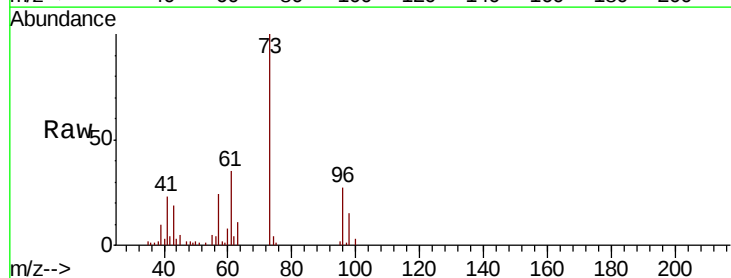
Tgt Ion: 73 Resp: 40202

Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

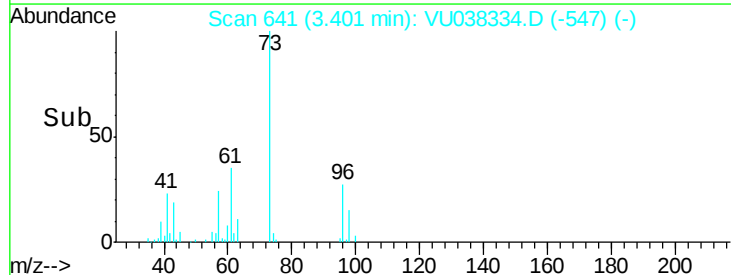
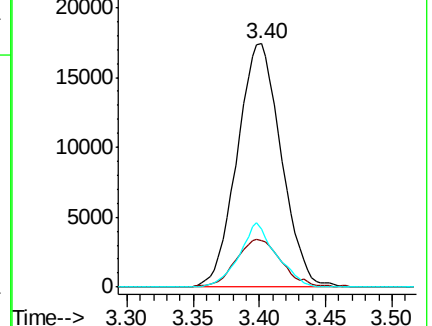
57 22.1 17.7 26.5

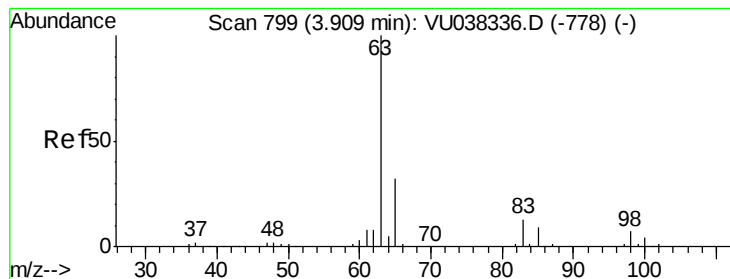


Abundance Ion 73.00 (72.70 to 73.70): VU038334.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VU038334.D (-547) (-)

Ion 57.00 (56.70 to 57.70): VU038334.D (-547) (-)





#19

1,1-Dichloroethane

Concen: 4.214 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

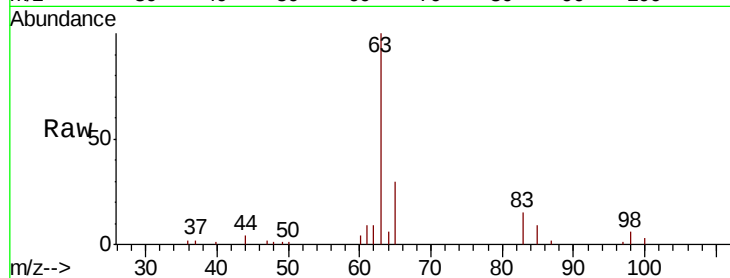
Tot Ion: 63 Resp: 25896

Ion Ratio Lower Upper

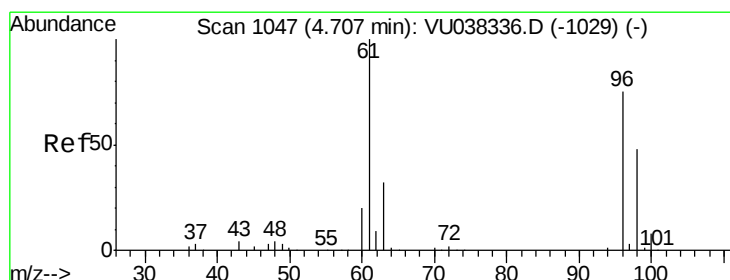
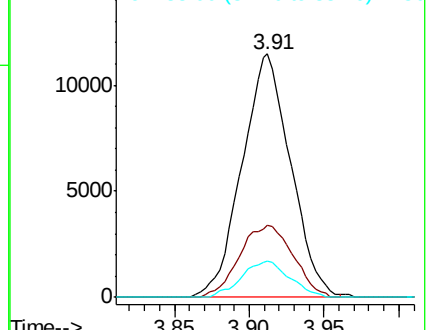
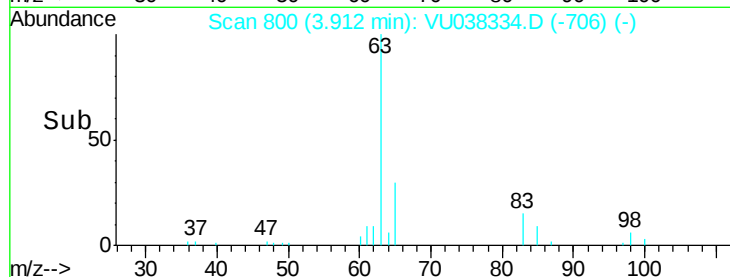
63 100

65 29.7 22.2 41.2

83 14.9 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU038334.D (-799) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.169 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

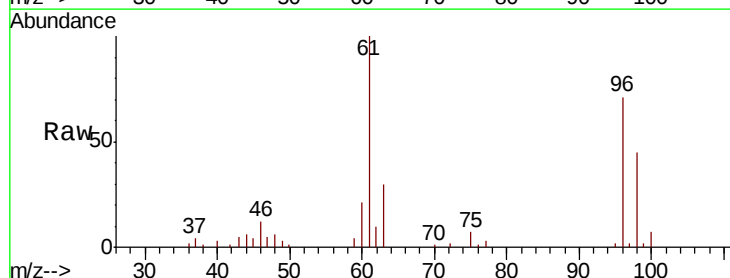
Tgt Ion: 96 Resp: 14819

Ion Ratio Lower Upper

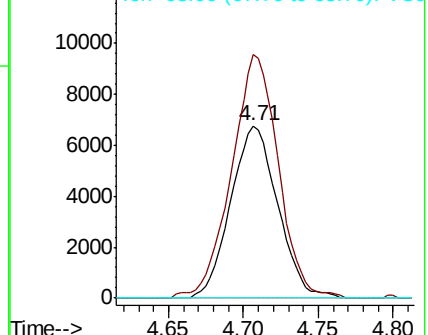
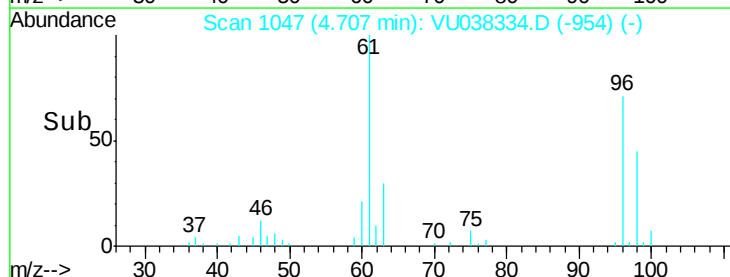
96 100

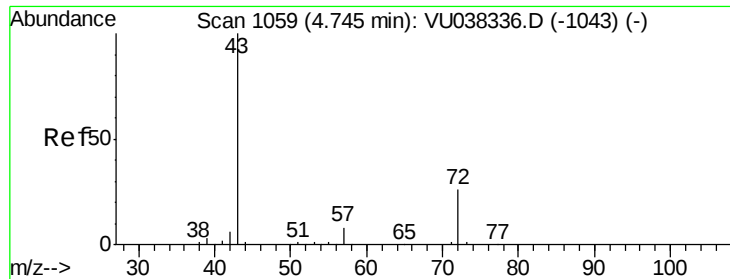
61 141.2 93.4 173.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038334.D (-1047) (-)





#22

2-Butanone

Concen: 9.089 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

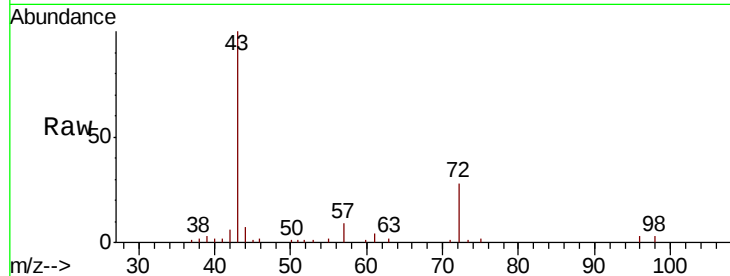
VSTD00535

Tot Ion: 43 Resp: 31464

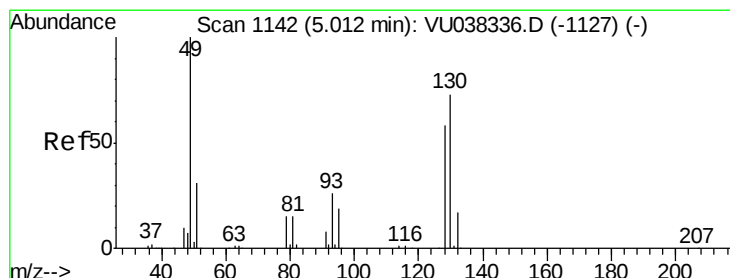
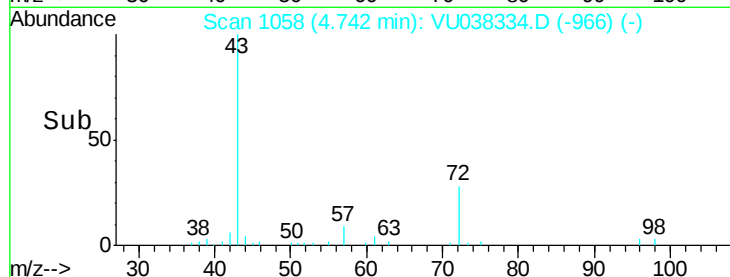
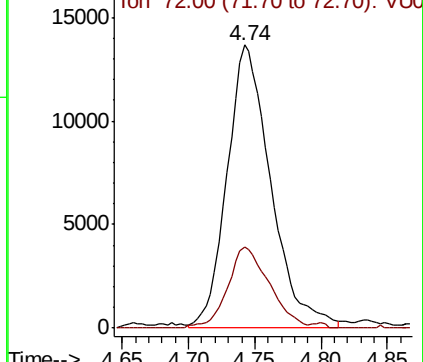
Ion Ratio Lower Upper

43 100

72 27.1 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VU038334.D (-966) (-)



#23

Bromochloromethane

Concen: 4.402 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Tgt Ion: 128 Resp: 7746

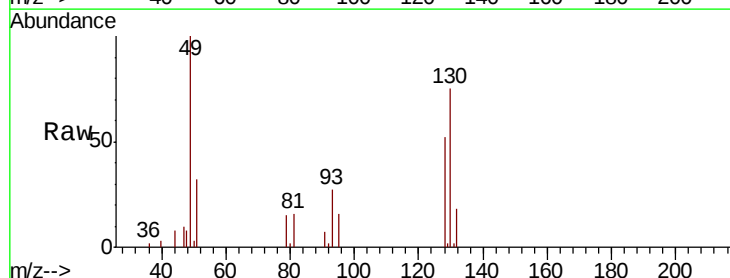
Ion Ratio Lower Upper

128 100

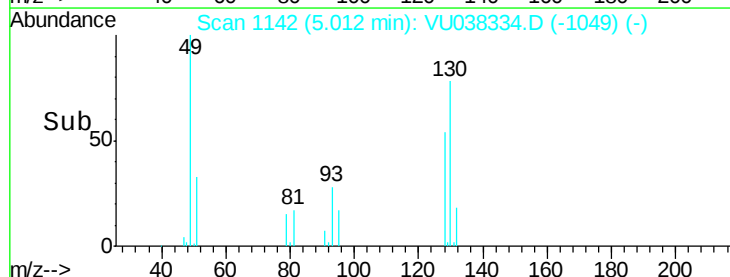
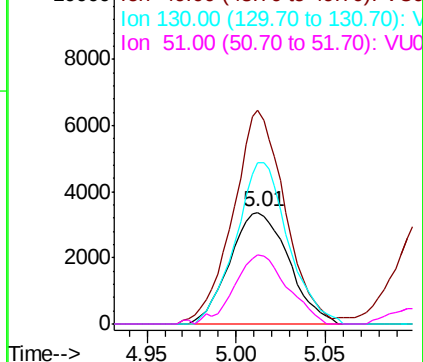
49 191.3 120.1 223.1

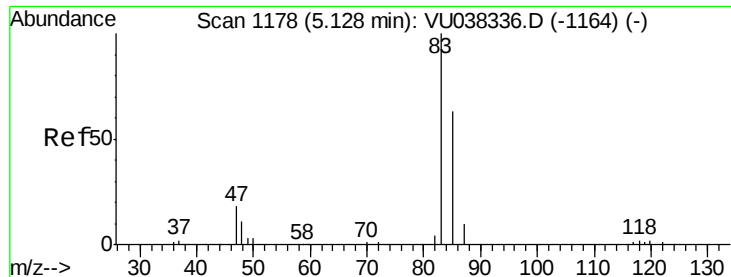
130 143.9 88.1 163.5

51 61.4 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VU038334.D (-1049) (-)

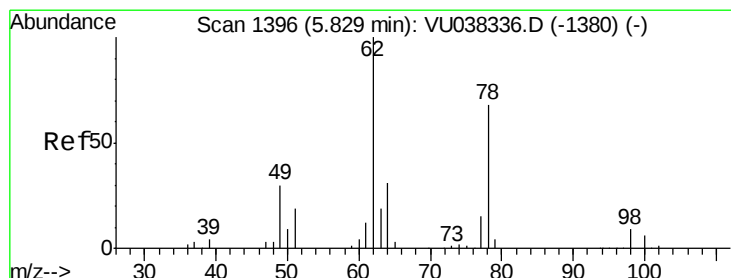
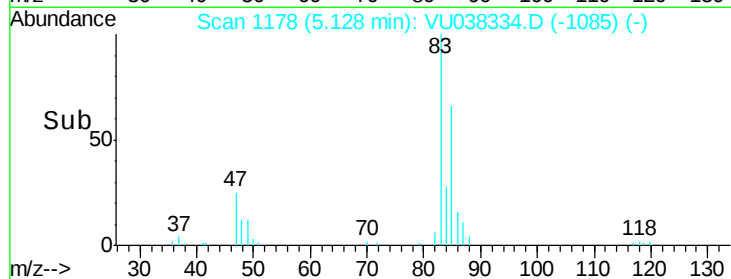
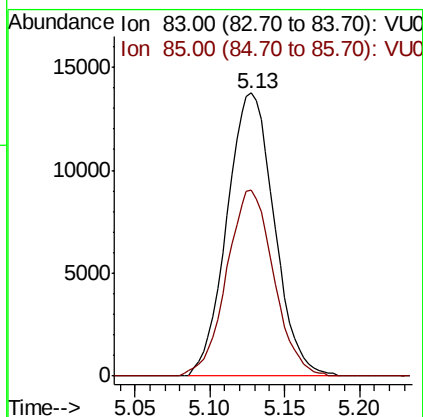
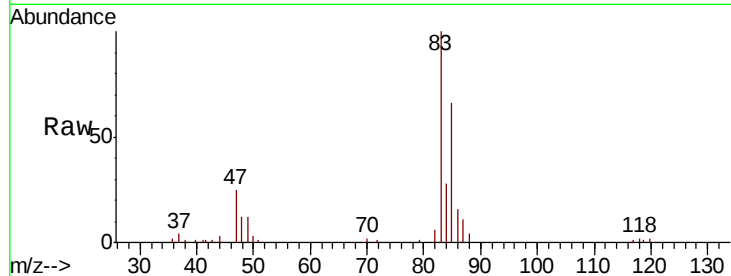




#25
Chloroform
Concen: 4.791 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

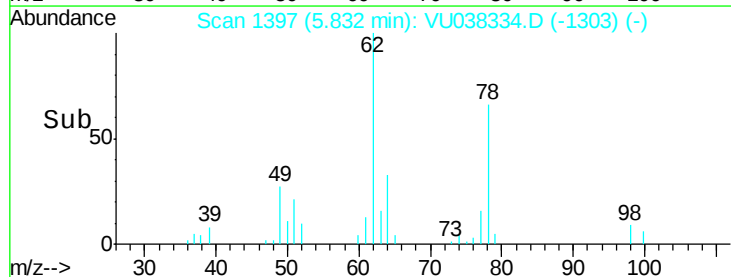
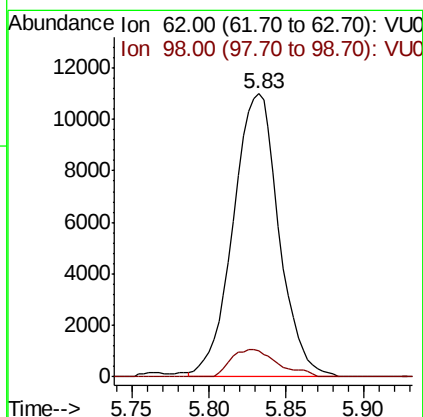
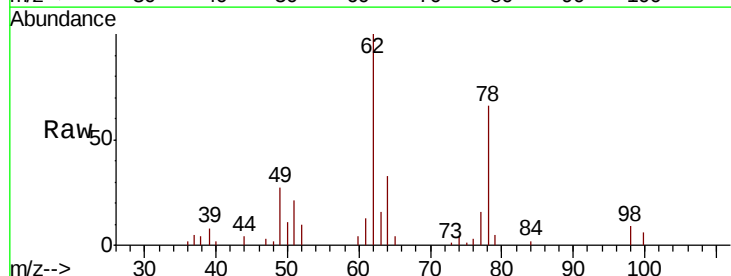
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

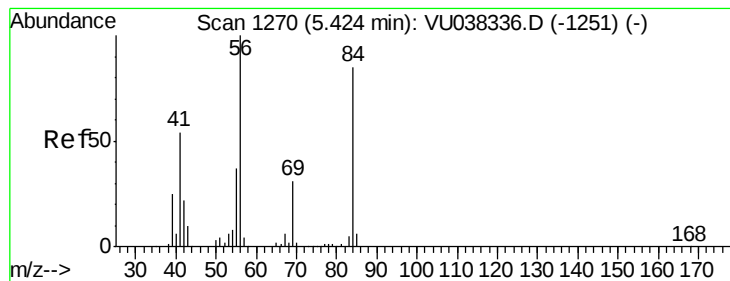
Tot Ion: 83 Resp: 30277
Ion Ratio Lower Upper
83 100
85 65.9 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.419 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

Tgt Ion: 62 Resp: 22611
Ion Ratio Lower Upper
62 100
98 9.1 7.5 11.3





#29

Cyclohexane

Concen: 4.215 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

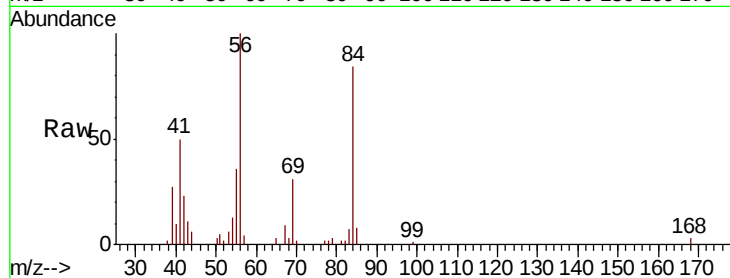
Tot Ion: 56 Resp: 23312

Ion Ratio Lower Upper

56 100

69 31.3 24.7 37.1

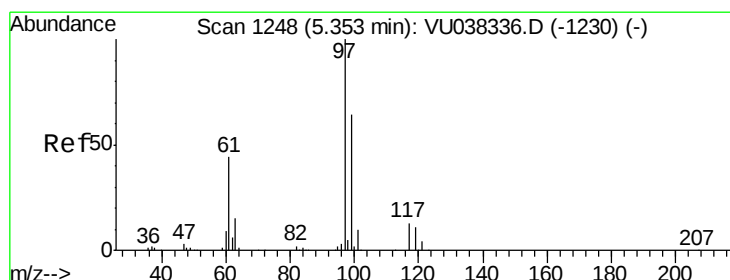
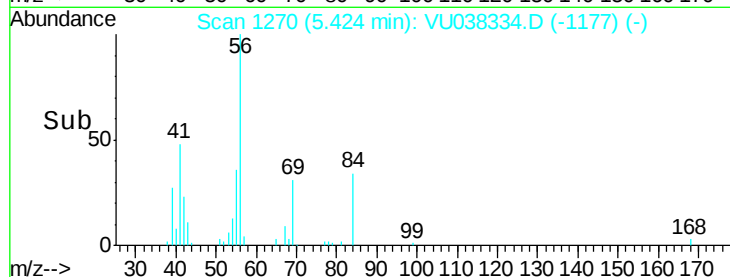
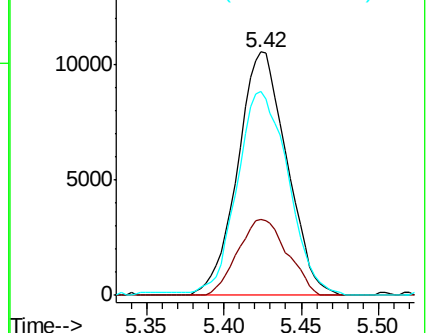
84 87.3 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU038334.D (-1177) (-)

Ion 69.00 (68.70 to 69.70): VU038334.D (-1177) (-)

Ion 84.00 (83.70 to 84.70): VU038334.D (-1177) (-)



#30

1,1,1-Trichloroethane

Concen: 4.268 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

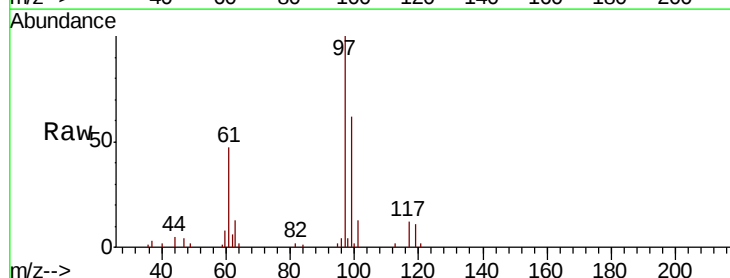
Tgt Ion: 97 Resp: 22386

Ion Ratio Lower Upper

97 100

99 65.4 51.2 76.8

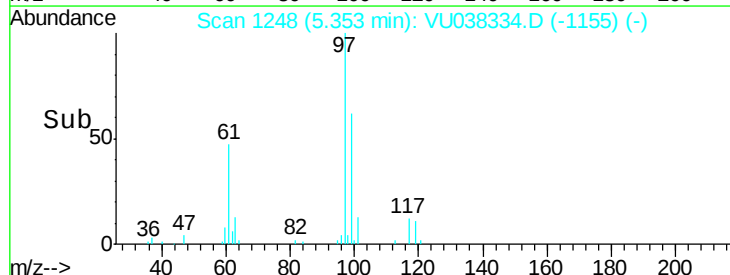
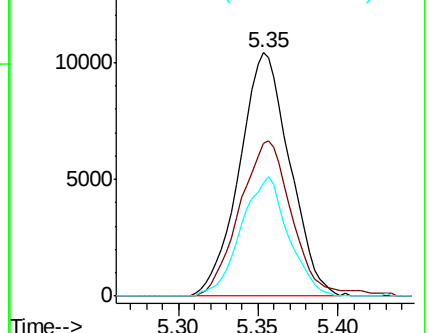
61 46.1 35.9 53.9

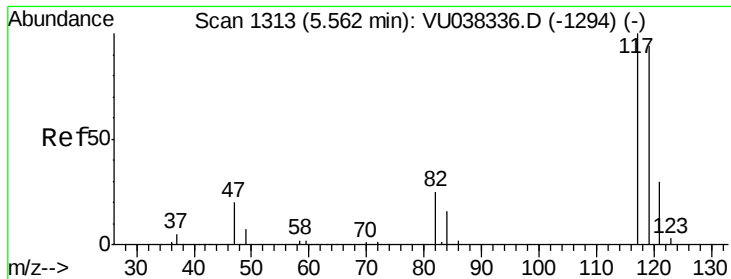


Abundance Ion 97.00 (96.70 to 97.70): VU038334.D (-1155) (-)

Ion 99.00 (98.70 to 99.70): VU038334.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038334.D (-1155) (-)

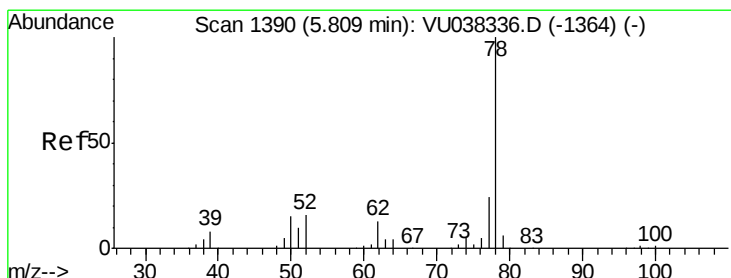
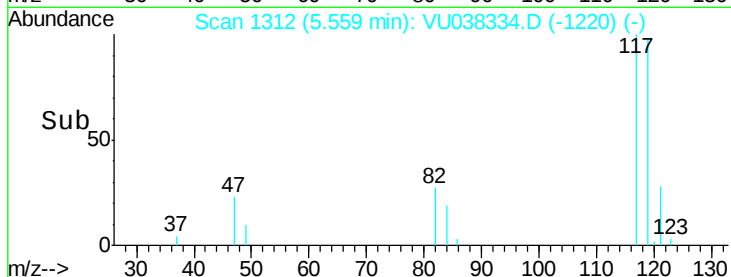
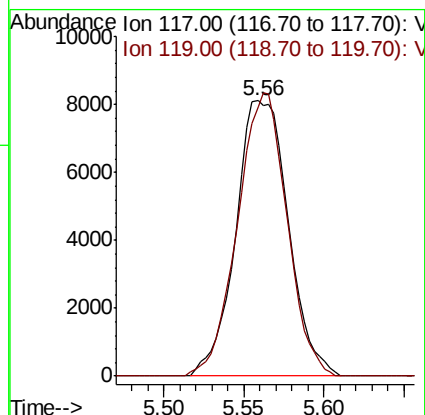
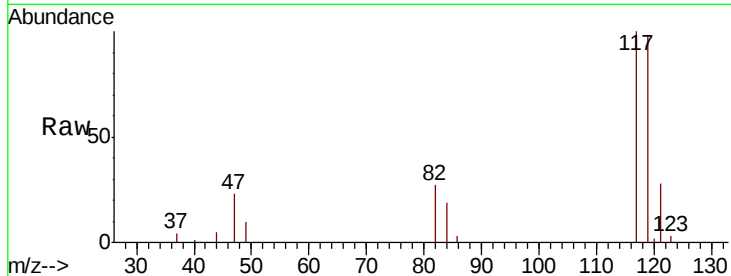




#31
Carbon tetrachloride
Concen: 4.177 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

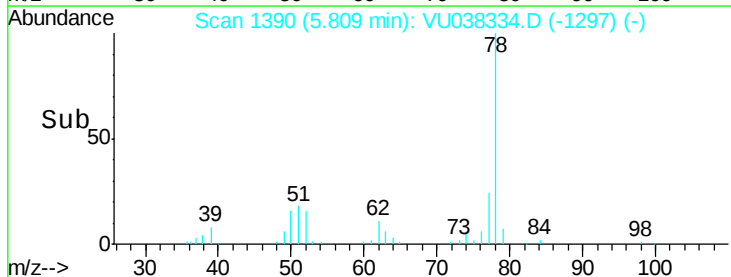
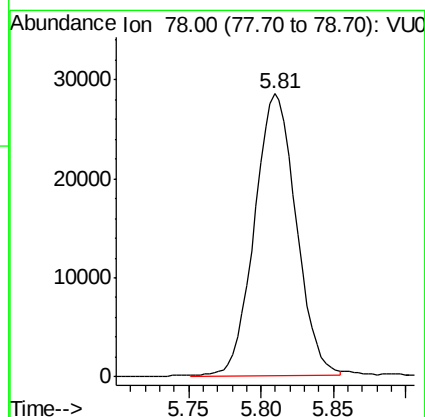
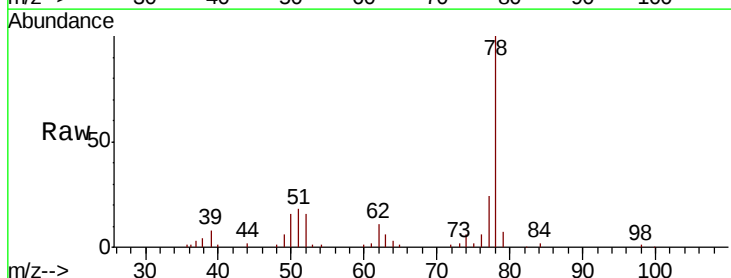
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

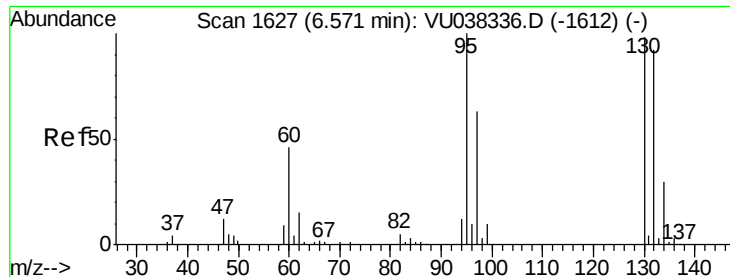
Tot Ion:117 Resp: 18262
Ion Ratio Lower Upper
117 100
119 96.5 76.6 114.8



#33
Benzene
Concen: 4.211 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

Tgt Ion: 78 Resp: 57056





#34

Trichloroethene

Concen: 4.477 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

Tot Ion: 95 Resp: 15520

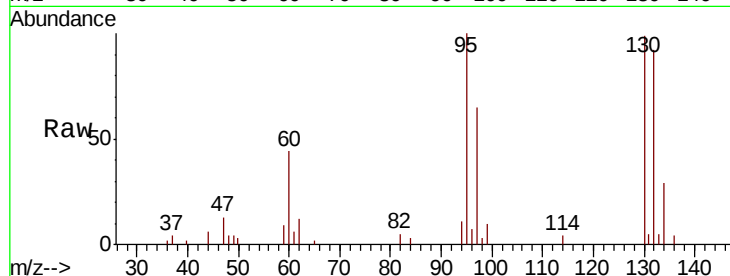
Ion Ratio Lower Upper

95 100

97 65.2 44.3 82.3

132 92.0 64.7 120.1

130 99.4 68.5 127.1

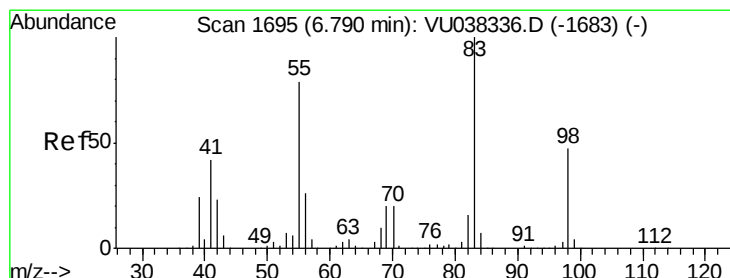
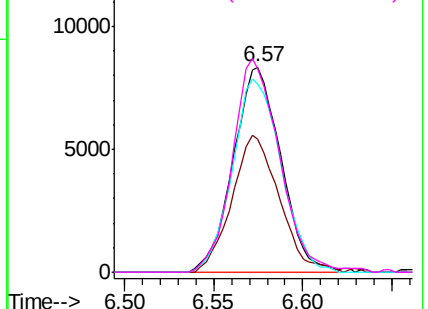
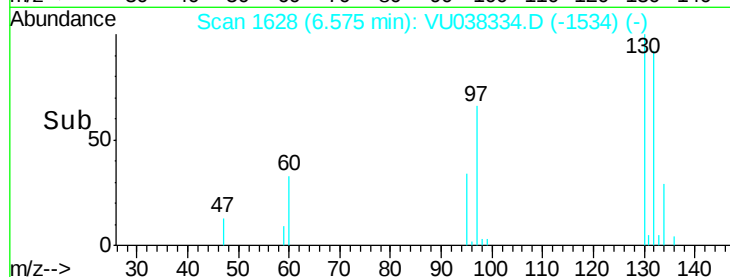


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.159 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

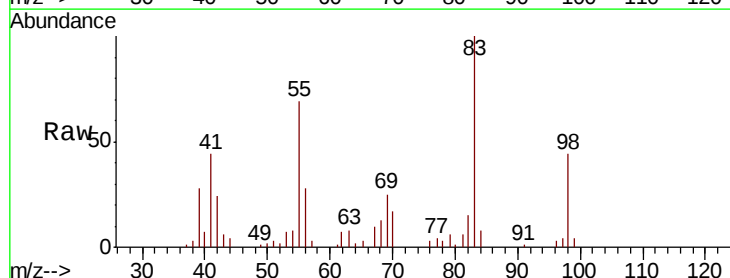
Tgt Ion: 83 Resp: 22634

Ion Ratio Lower Upper

83 100

55 76.1 63.0 94.4

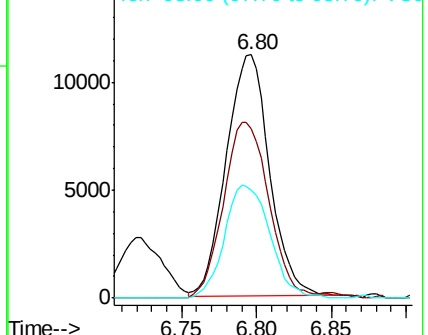
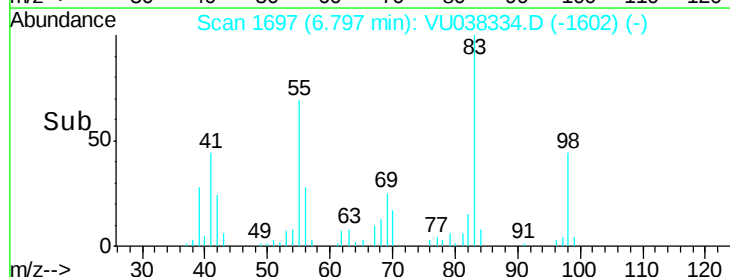
98 49.0 38.6 57.8

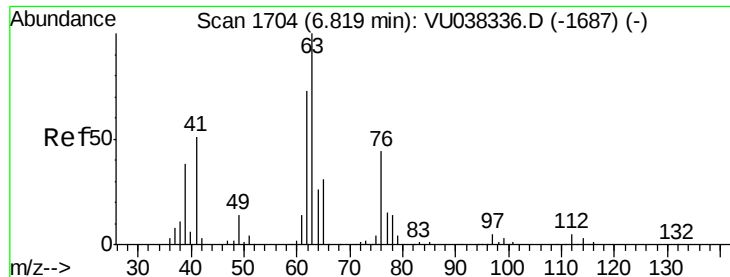


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

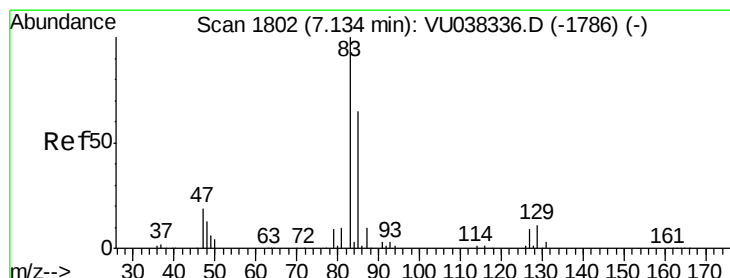
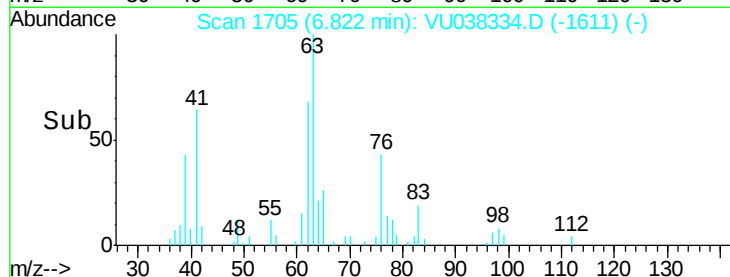
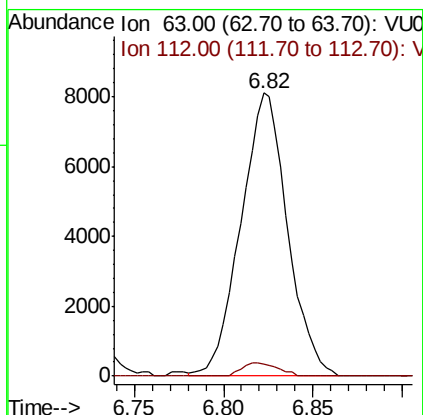
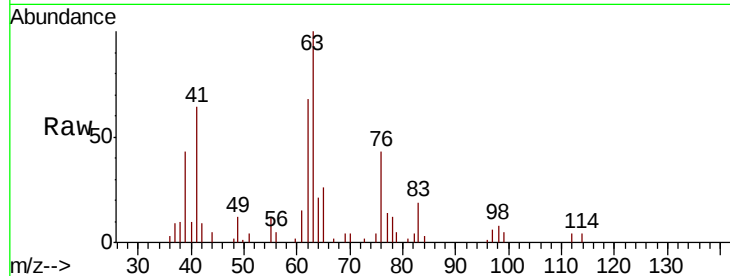




#37
 1,2-Dichloropropane
 Concen: 4.219 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038334.D
 Acq: 28 May 2020 09:23

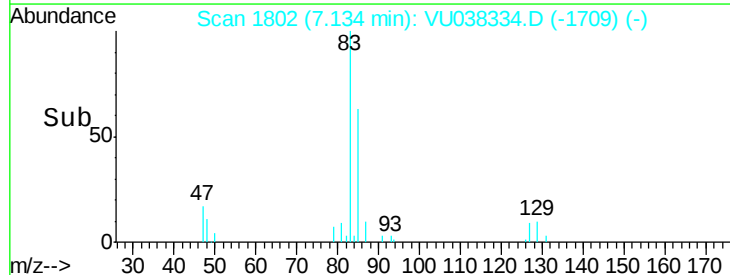
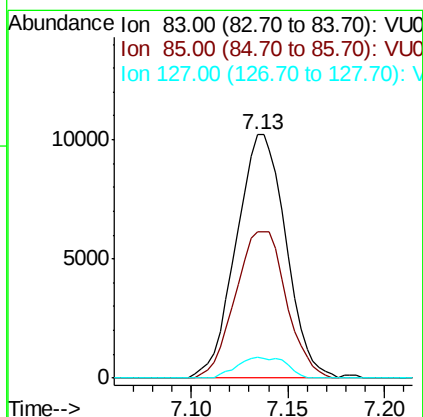
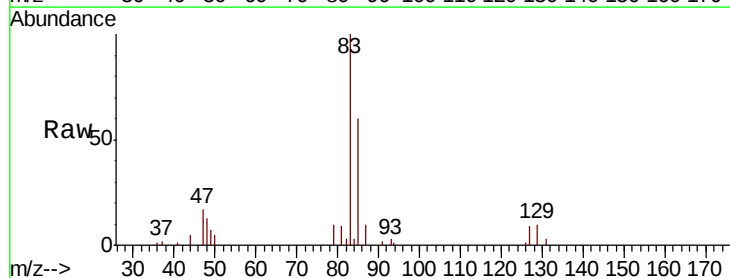
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

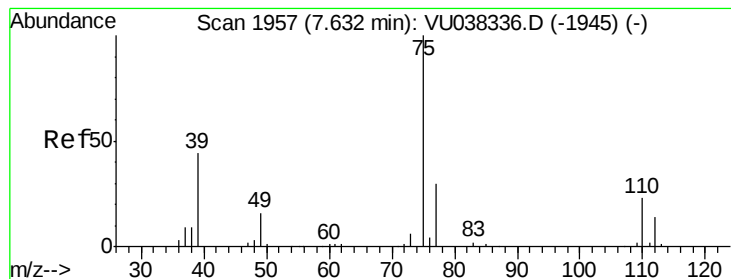
Tot Ion: 63 Resp: 14825
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 4.055 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038334.D
 Acq: 28 May 2020 09:23

Tgt Ion: 83 Resp: 18258
 Ion Ratio Lower Upper
 83 100
 85 60.2 45.5 84.5
 127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.095 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampled :

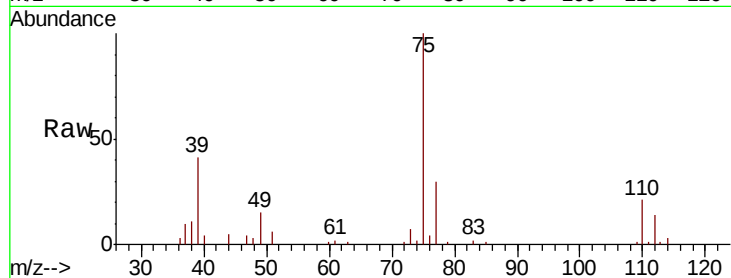
VSTD00535

Tot Ion: 75 Resp: 22898

Ion Ratio Lower Upper

75 100

77 30.1 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU038334.D (-1864) (-)

Ion 77.00 (76.70 to 77.70): VU038334.D (-1864) (-)

7.64

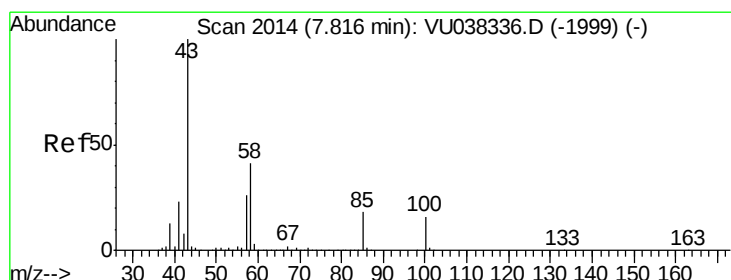
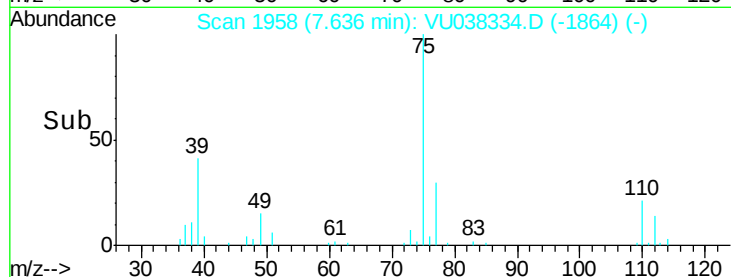
15000

10000

5000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 7.573 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

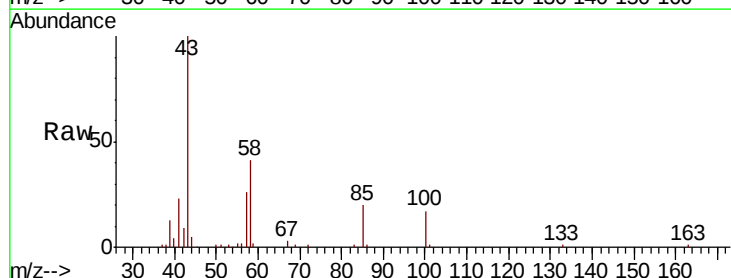
Tgt Ion: 43 Resp: 42319

Ion Ratio Lower Upper

43 100

58 40.7 32.6 48.8

100 15.7 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VU038334.D (-1921) (-)

Ion 58.00 (57.70 to 58.70): VU038334.D (-1921) (-)

Ion 100.00 (99.70 to 100.70): VU038334.D (-1921) (-)

7.82

30000

25000

20000

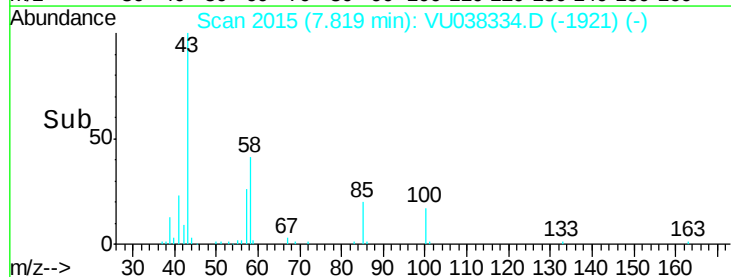
15000

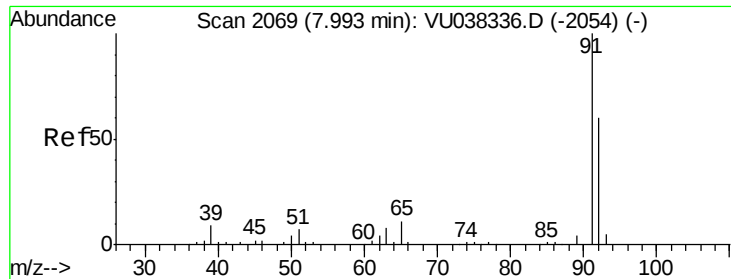
10000

5000

0

Time-->





#42

Toluene

Concen: 4.112 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

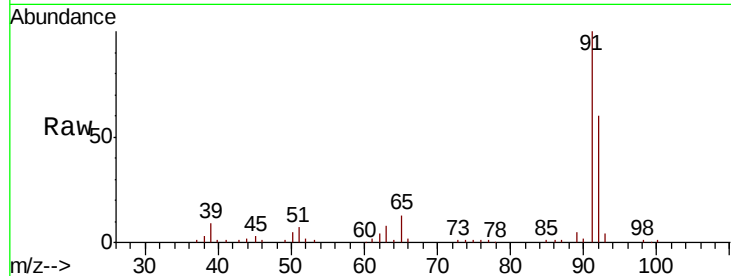
VSTD00535

Tot Ion: 91 Resp: 58491

Ion Ratio Lower Upper

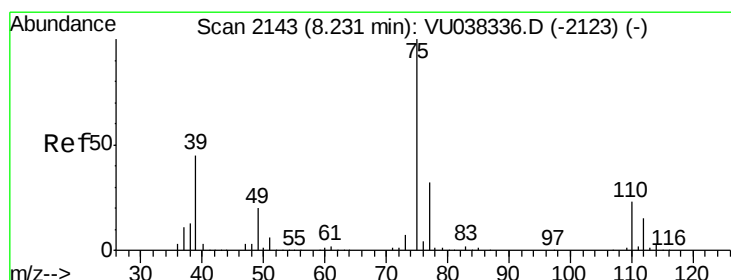
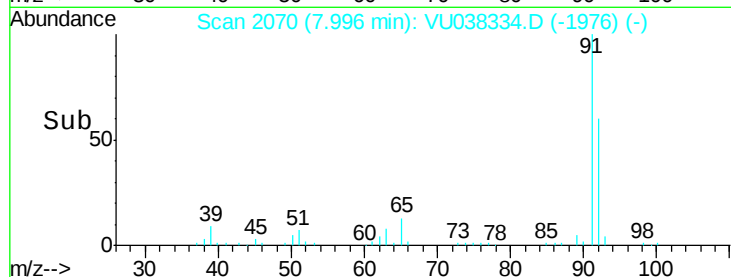
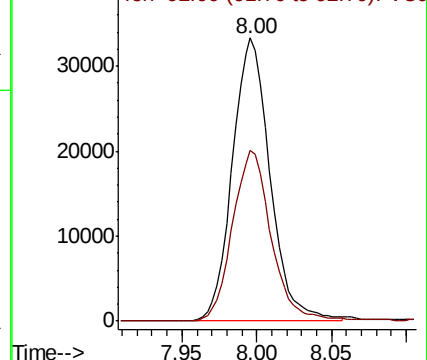
91 100

92 60.1 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 3.735 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.01 min

Lab File: VU038334.D

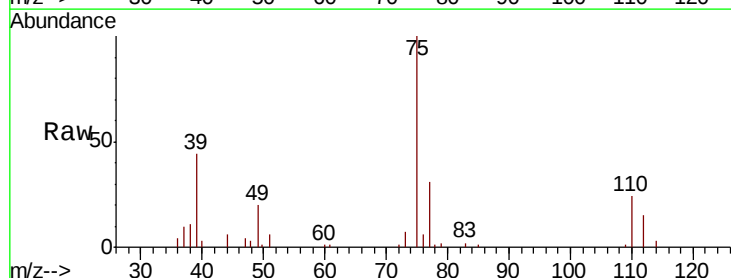
Acq: 28 May 2020 09:23

Tgt Ion: 75 Resp: 19549

Ion Ratio Lower Upper

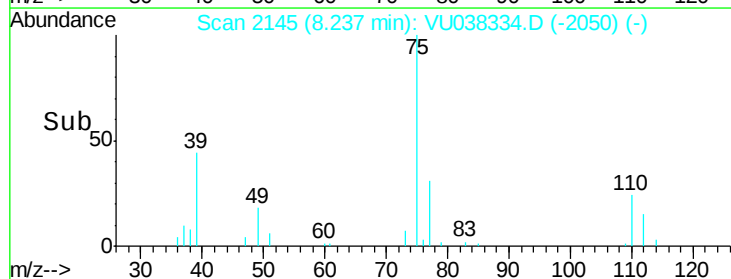
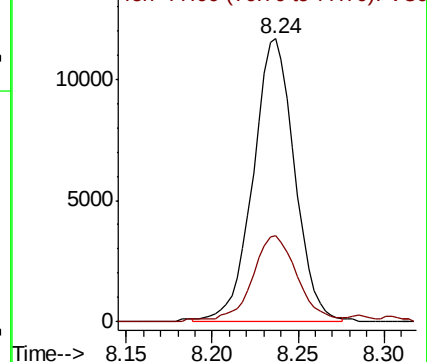
75 100

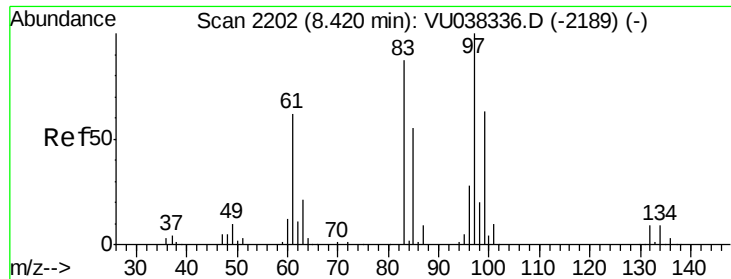
77 30.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

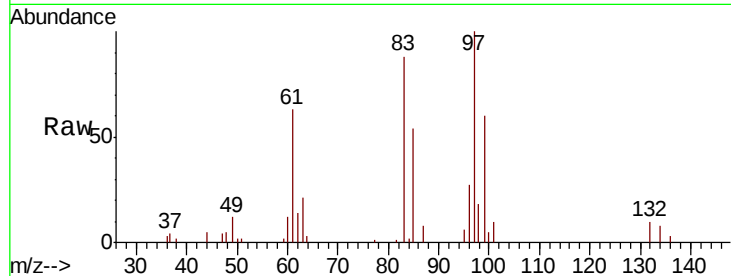




#45
 1,1,2-Trichloroethane
 Concen: 4.177 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.01 min
 Lab File: VU038334.D
 Acq: 28 May 2020 09:23

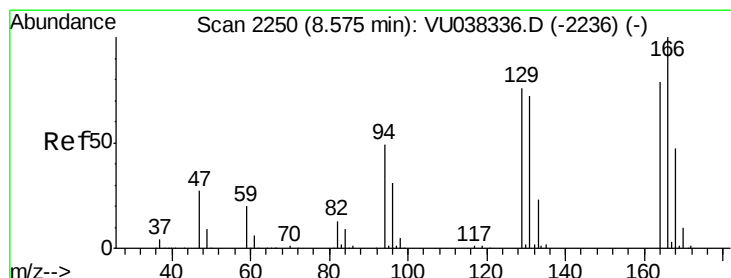
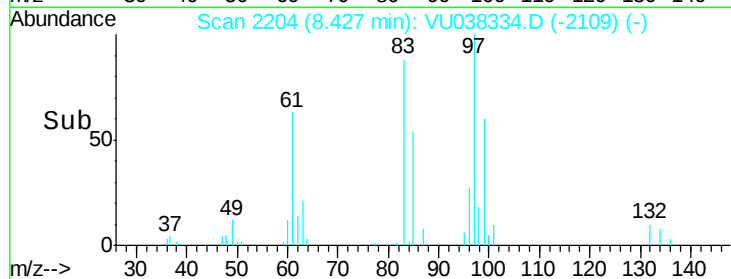
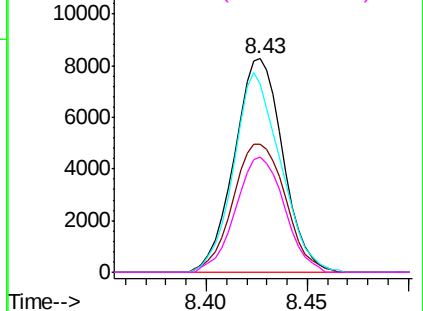
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

Tot Ion:	97	Resp:	13929
Ion	Ratio	Lower	Upper
97	100		
99	59.9	44.0	81.8
83	88.2	60.8	113.0
85	53.9	38.1	70.9



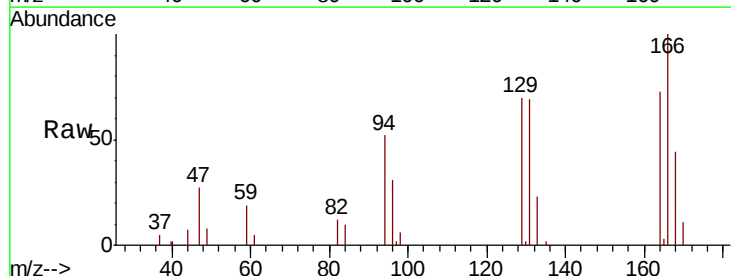
Abundance

Ion 97.00 (96.70 to 97.70): VU038334.D (-2189) (-)



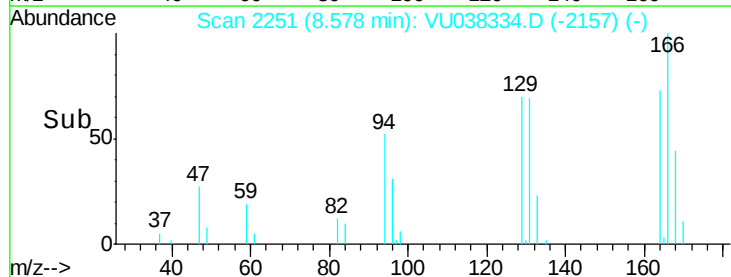
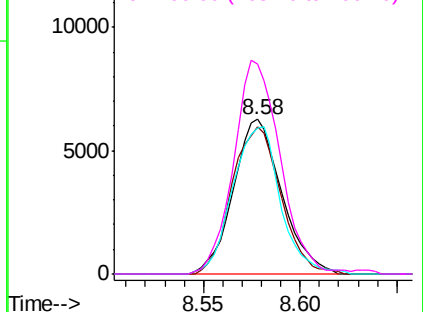
#46
 Tetrachloroethene
 Concen: 4.312 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU038334.D
 Acq: 28 May 2020 09:23

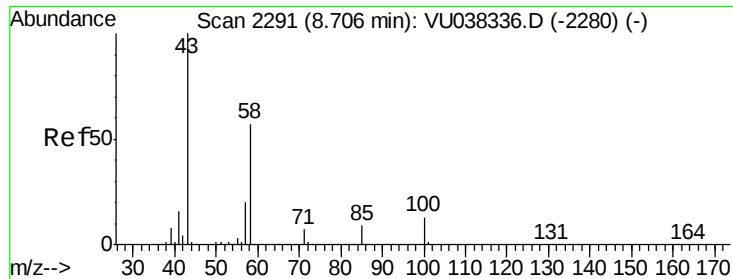
Tgt Ion:	164	Resp:	10928
Ion	Ratio	Lower	Upper
164	100		
129	95.5	67.2	124.8
131	94.5	63.4	117.8
166	136.3	88.5	164.4



Abundance

Ion 164.00 (163.70 to 164.70): VU038334.D (-2236) (-)

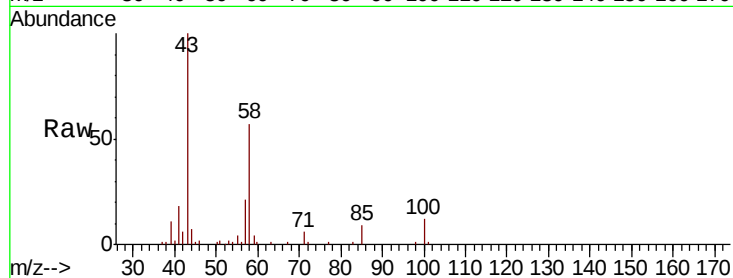




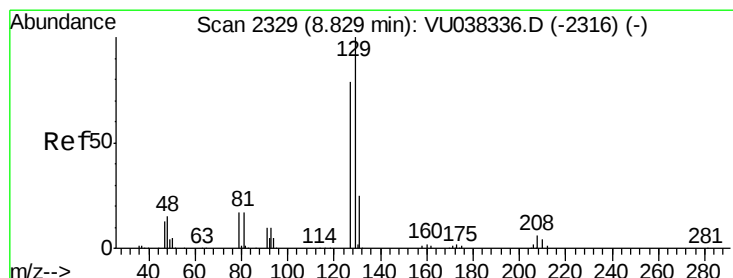
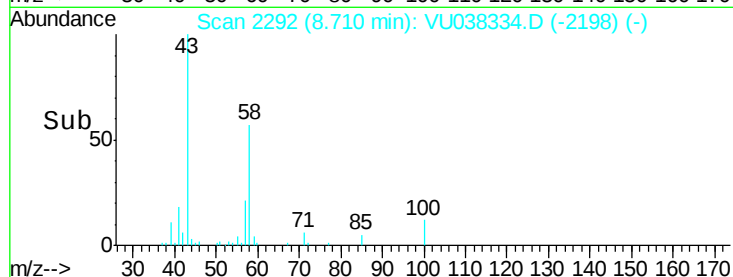
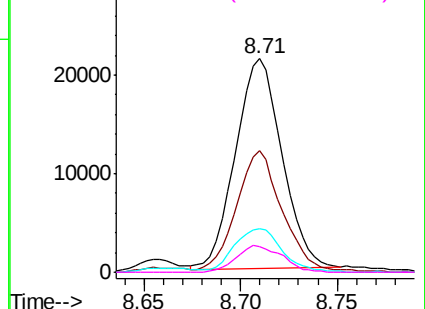
#48
2-Hexanone
Concen: 7.577 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

Tot Ion:	43	Resp:	35752
Ion	Ratio	Lower	Upper
43	100		
58	54.3	45.5	68.3
57	21.5	16.3	24.5
100	12.5	10.5	15.7

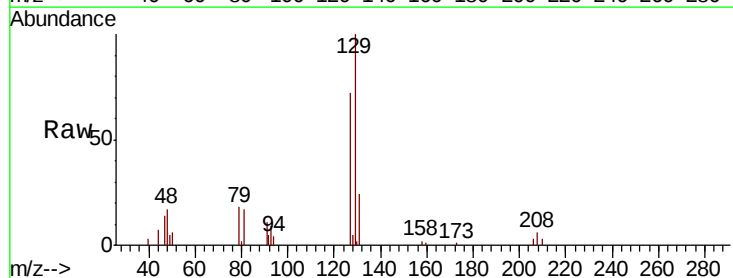


Abundance Ion 43.00 (42.70 to 43.70): VU038334.D (-2291) (-)
Ion 58.00 (57.70 to 58.70): VU038334.D (-2291) (-)
Ion 57.00 (56.70 to 57.70): VU038334.D (-2291) (-)
Ion 100.00 (99.70 to 100.70): VU038334.D (-2291) (-)

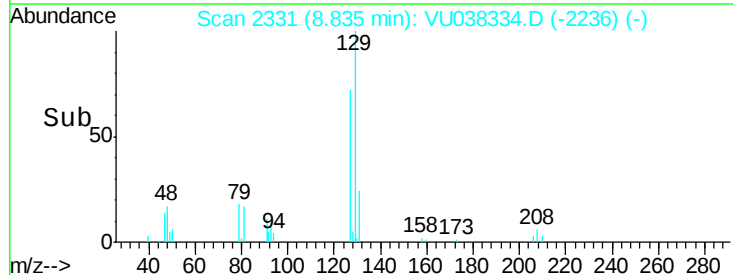
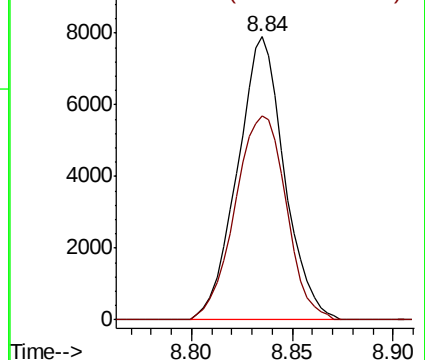


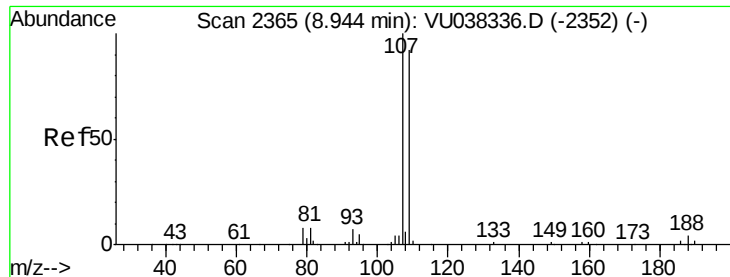
#49
Dibromochloromethane
Concen: 3.817 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.01 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

Tgt Ion:	129	Resp:	12887
Ion	Ratio	Lower	Upper
129	100		
127	72.1	55.2	102.6



Abundance Ion 129.00 (128.70 to 129.70): VU038334.D (-2330) (-)
Ion 127.00 (126.70 to 127.70): VU038334.D (-2330) (-)

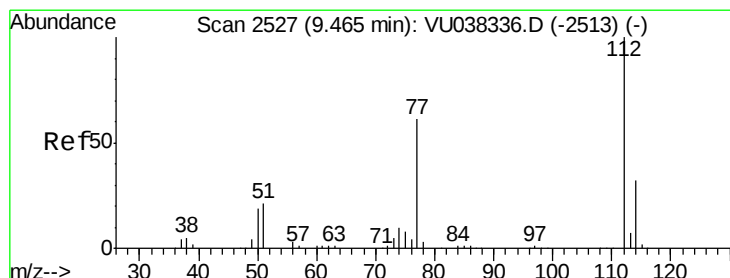
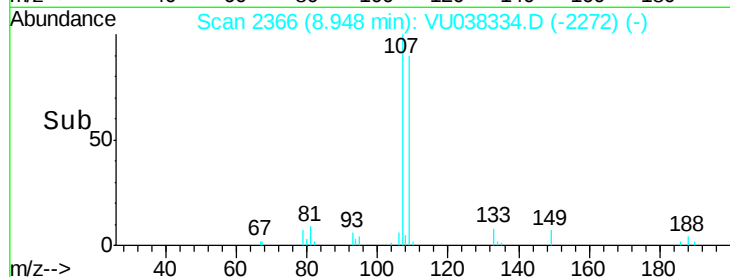
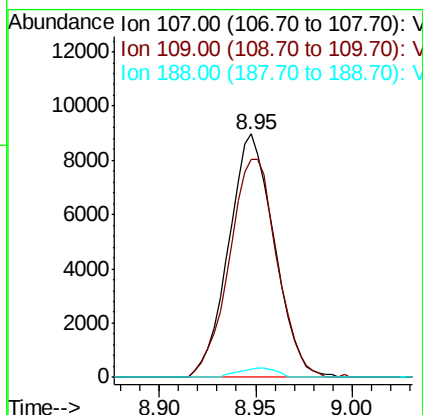
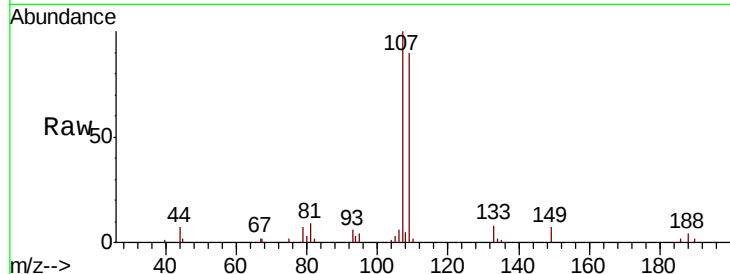




#50
1,2-Dibromoethane
Concen: 4.112 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

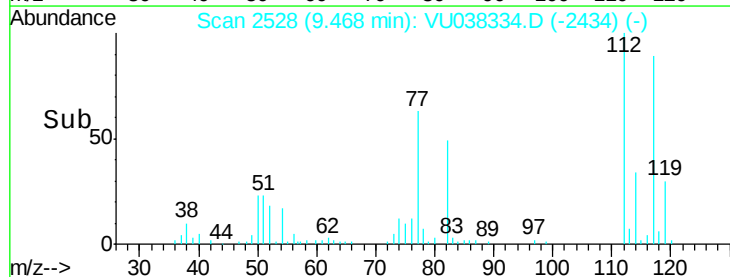
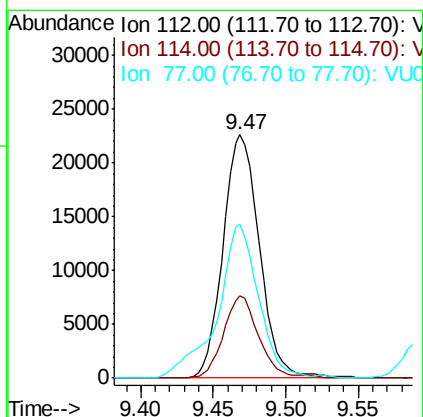
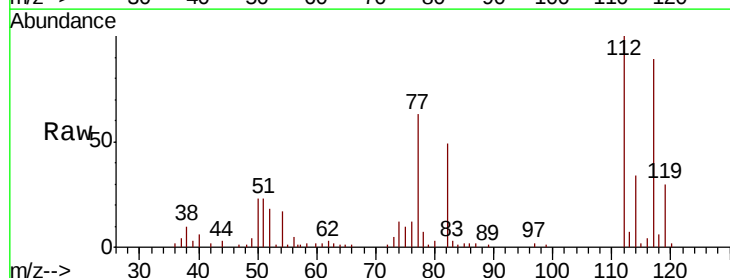
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

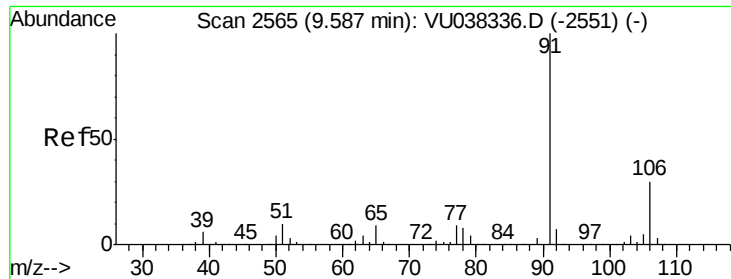
Tot Ion:107 Resp: 14737
Ion Ratio Lower Upper
107 100
109 89.6 64.3 119.5
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 4.303 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

Tgt Ion:112 Resp: 39335
Ion Ratio Lower Upper
112 100
114 34.0 22.6 42.0
77 63.3 48.8 73.2

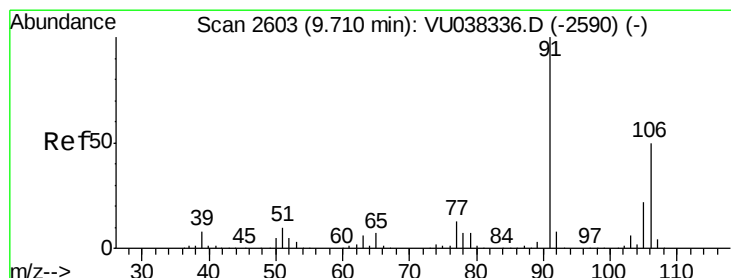
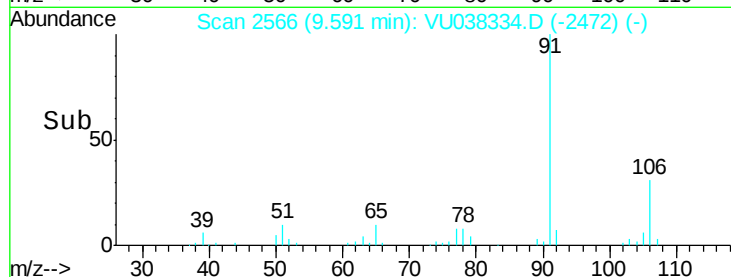
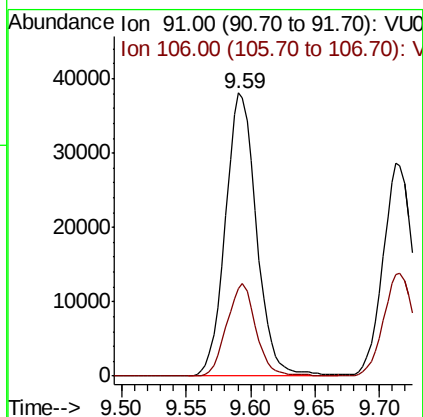
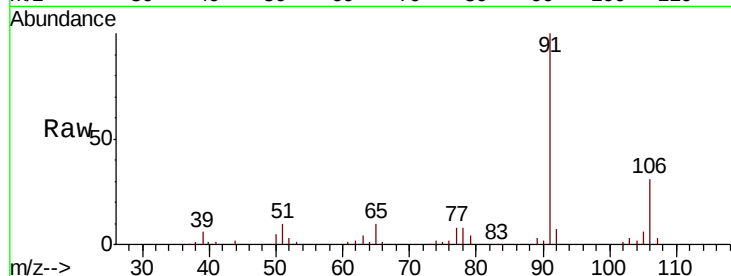




#52
Ethylbenzene
Concen: 4.014 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

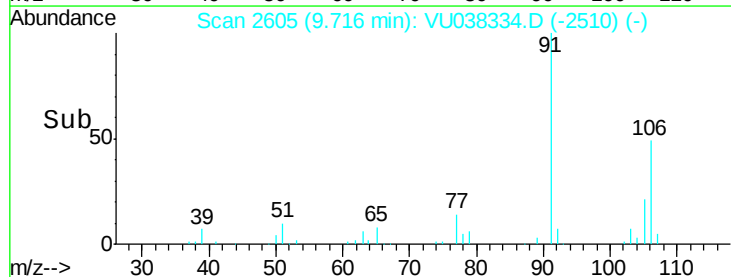
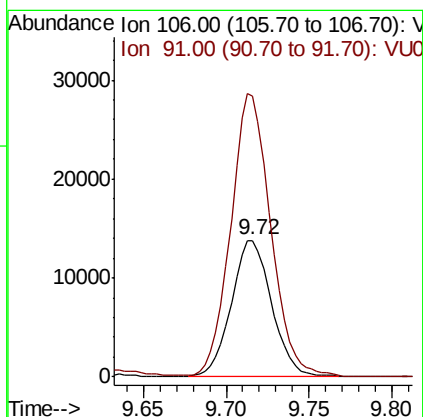
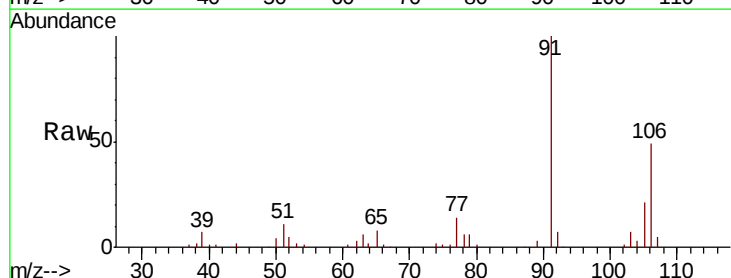
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

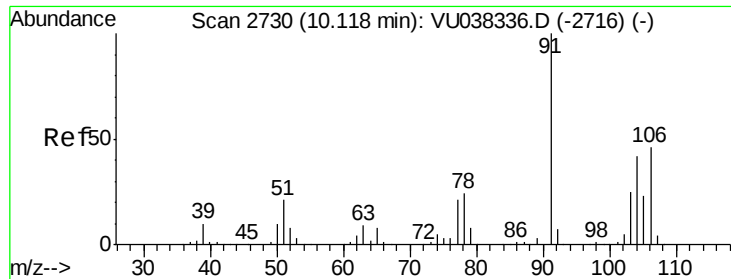
Tot Ion: 91 Resp: 63969
Ion Ratio Lower Upper
91 100
106 31.1 21.2 39.4



#53
m,p-Xylene
Concen: 3.843 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.01 min
Lab File: VU038334.D
Acq: 28 May 2020 09:23

Tgt Ion: 106 Resp: 23424
Ion Ratio Lower Upper
106 100
91 205.2 140.8 261.4





#54

o-xylene

Concen: 3.934 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

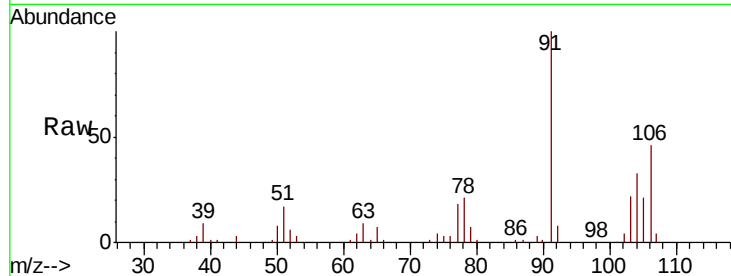
VSTD00535

Tot Ion:106 Resp: 23314

Ion Ratio Lower Upper

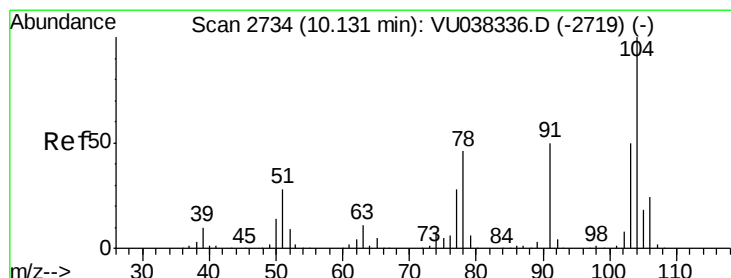
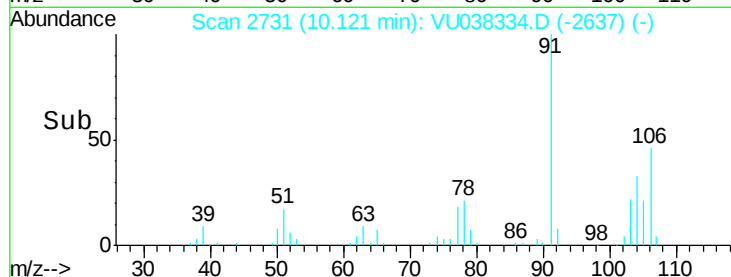
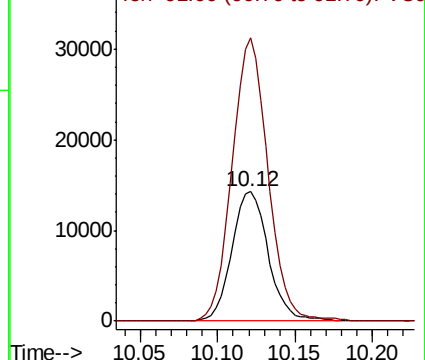
106 100

91 218.6 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 3.619 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU038334.D

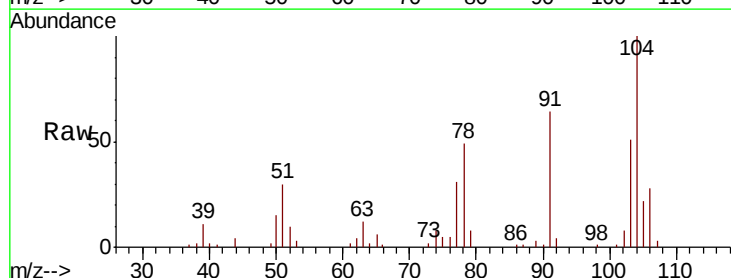
Acq: 28 May 2020 09:23

Tgt Ion:104 Resp: 36856

Ion Ratio Lower Upper

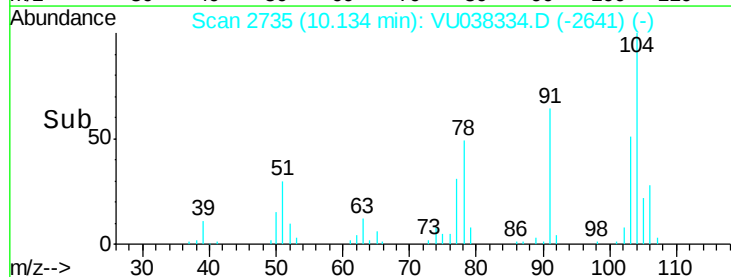
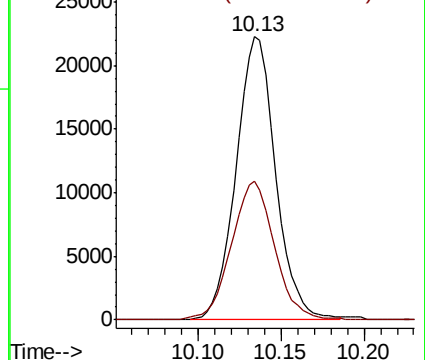
104 100

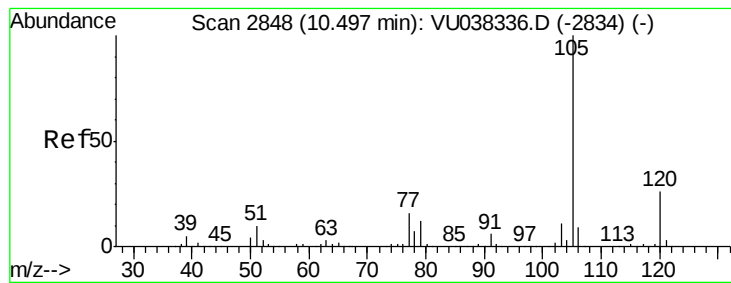
78 48.9 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 3.849 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.01 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

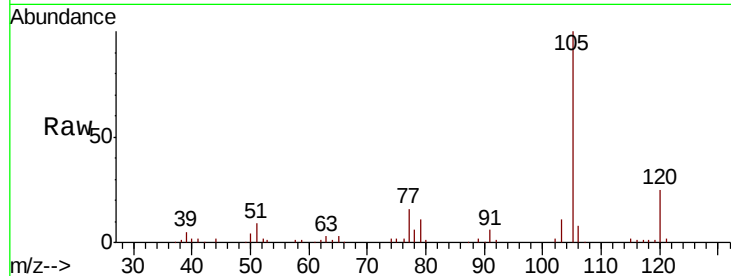
Tot Ion:105 Resp: 59600

Ion Ratio Lower Upper

105 100

120 26.4 20.6 31.0

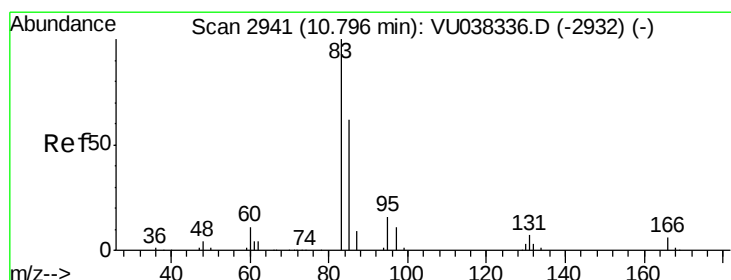
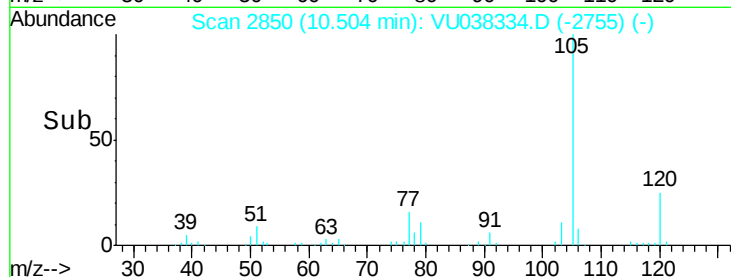
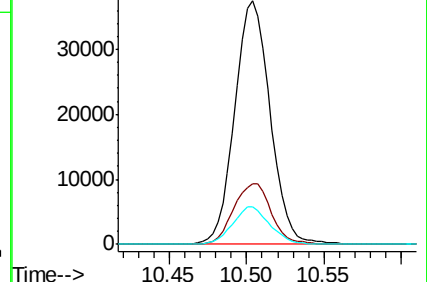
77 16.0 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.031 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

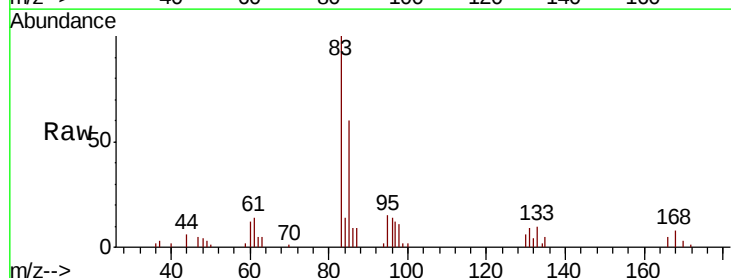
Tgt Ion: 83 Resp: 23000

Ion Ratio Lower Upper

83 100

85 59.9 45.5 84.5

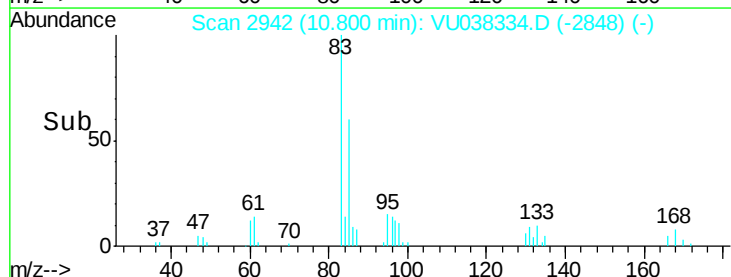
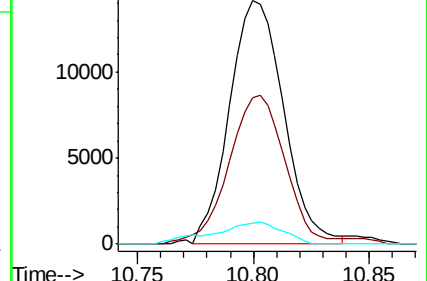
131 8.8 7.3 10.9

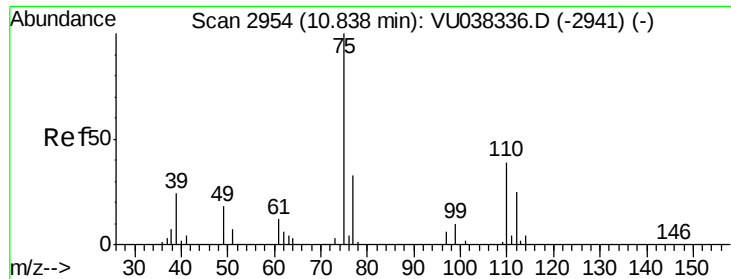


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.082 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

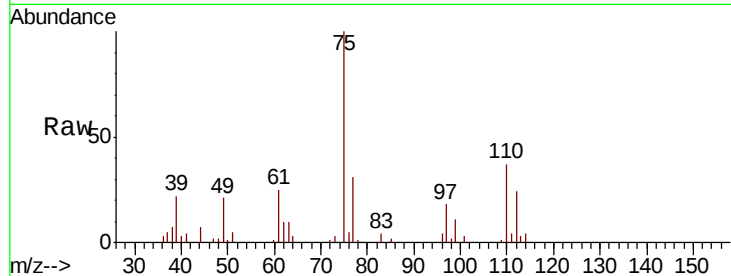
VSTD00535

Tot Ion: 75 Resp: 20060

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038336.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038336.D (-2941) (-)

10.84

15000

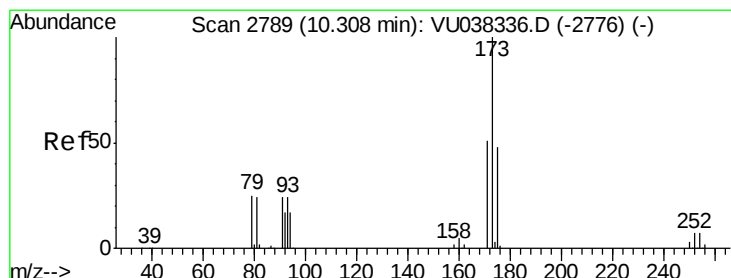
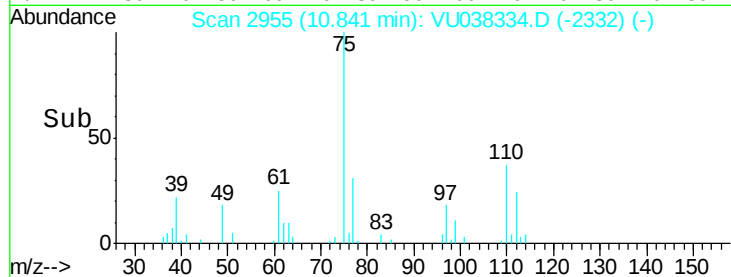
10000

5000

0

Time-->

10.80 10.85 10.90



#61

Bromoform

Concen: 3.853 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

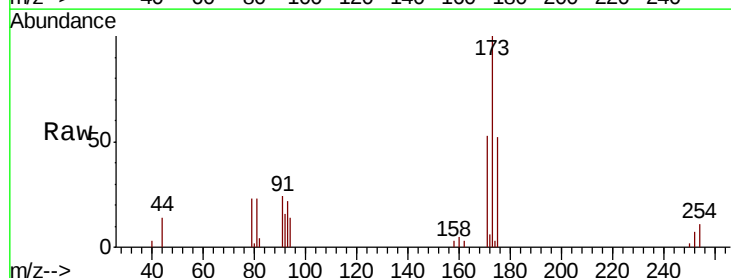
Tgt Ion: 173 Resp: 8944

Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.4

254 8.3 5.3 7.9#



Abundance Ion 173.00 (172.70 to 173.70): VU038336.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU038336.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU038336.D (-2776) (-)

10.31

6000

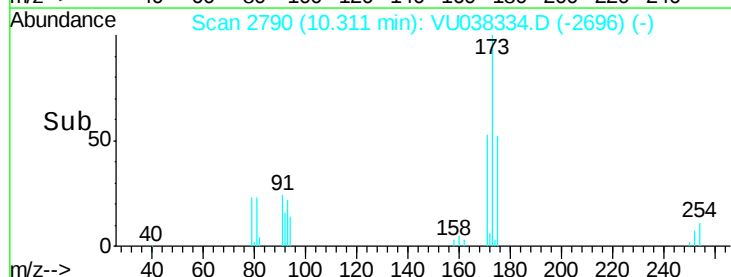
4000

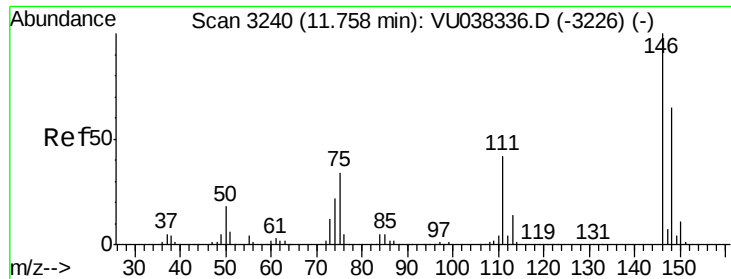
2000

0

Time-->

10.25 10.30 10.35

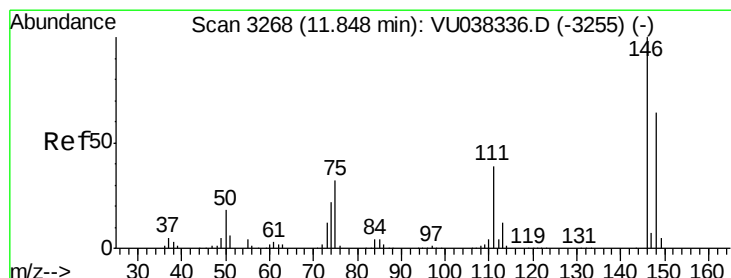
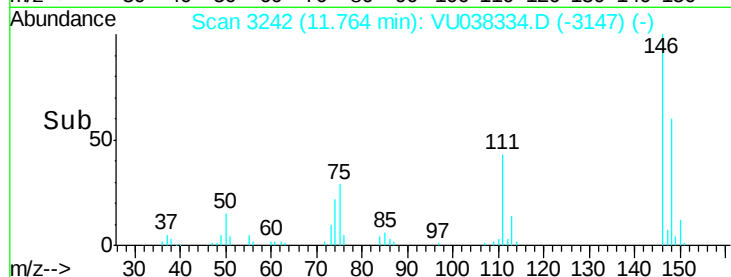
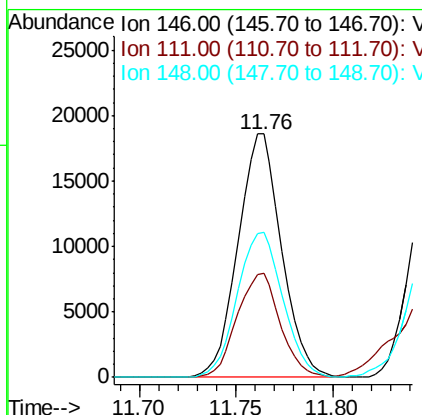
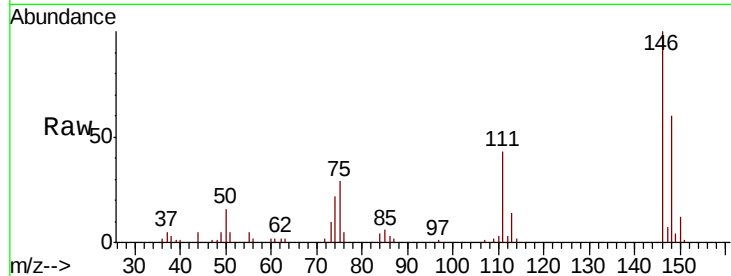




#62
 1,3-Dichlorobenzene
 Concen: 4.306 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.01 min
 Lab File: VU038334.D
 Acq: 28 May 2020 09:23

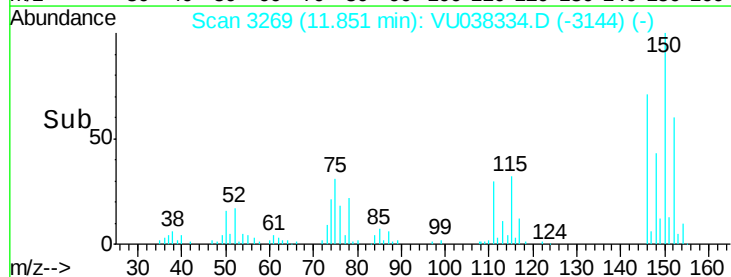
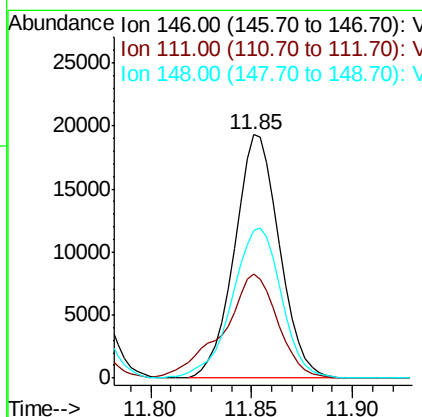
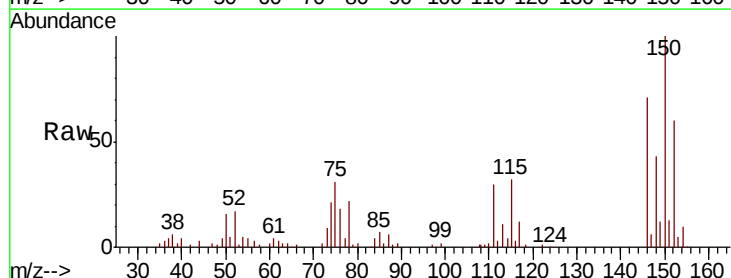
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

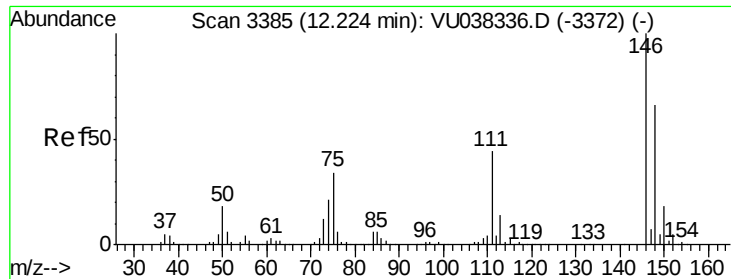
Tot Ion:146 Resp: 29084
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.4 54.6
 148 59.6 45.8 85.0



#63
 1,4-Dichlorobenzene
 Concen: 4.381 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038334.D
 Acq: 28 May 2020 09:23

Tgt Ion:146 Resp: 30076
 Ion Ratio Lower Upper
 146 100
 111 42.9 27.7 51.5
 148 60.8 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 4.270 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

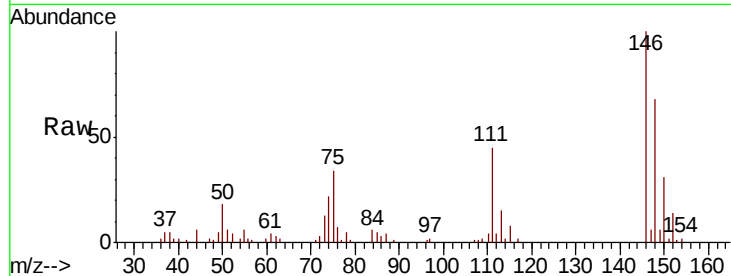
Tot Ion:146 Resp: 28599

Ion Ratio Lower Upper

146 100

111 45.3 35.3 52.9

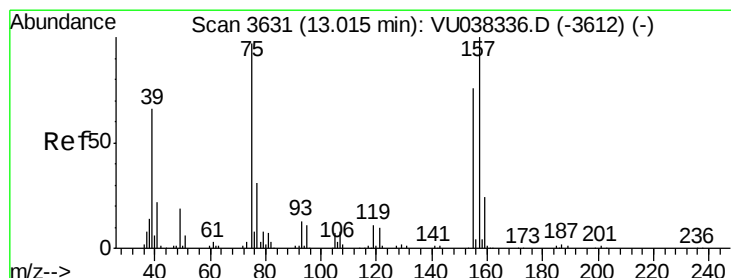
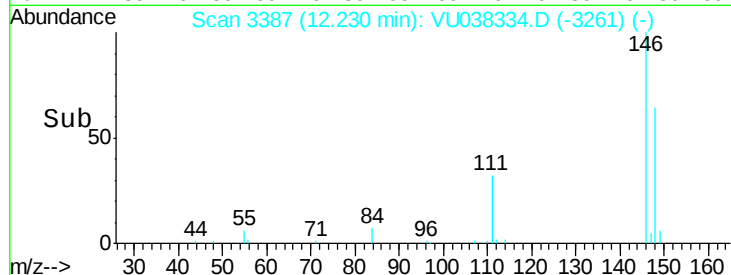
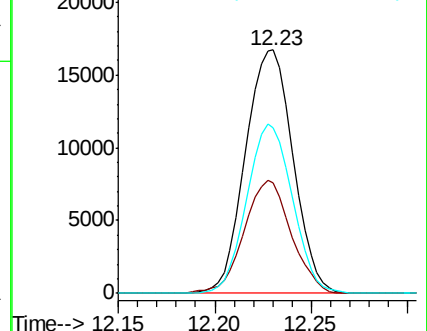
148 68.0 52.5 78.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.704 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

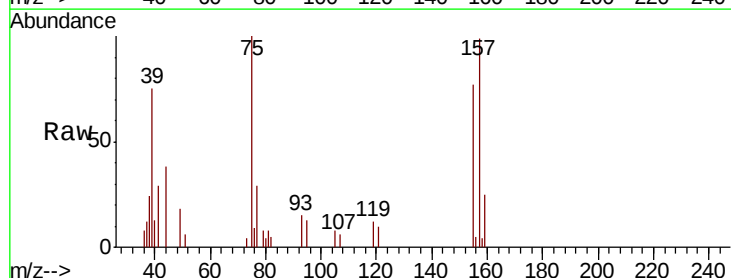
Tgt Ion: 75 Resp: 5079

Ion Ratio Lower Upper

75 100

155 76.9 63.1 94.7

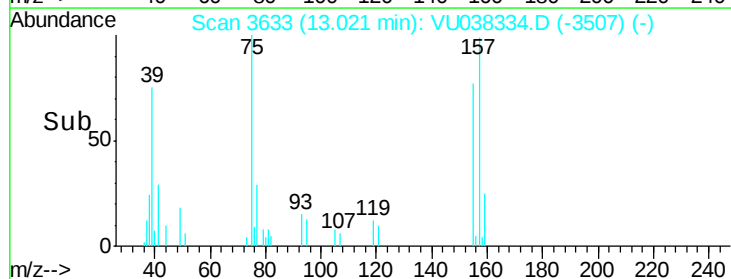
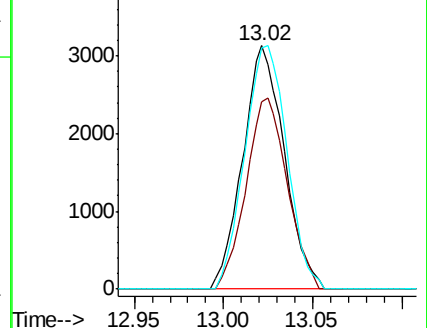
157 99.2 82.7 124.1

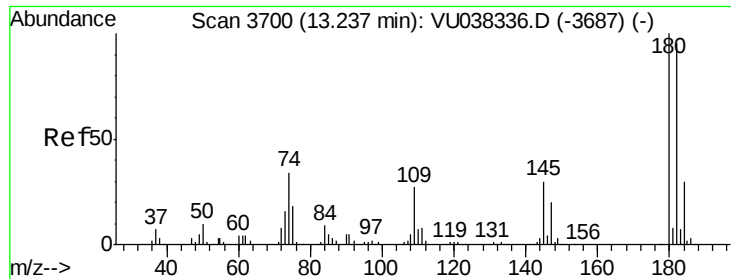


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

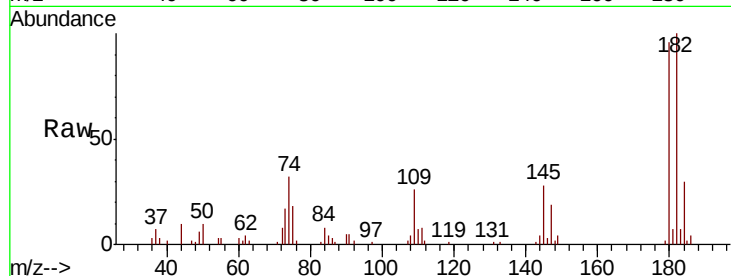




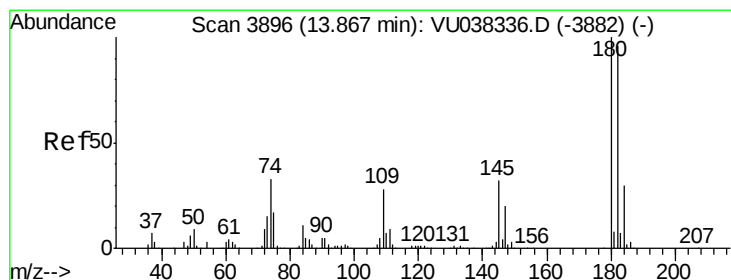
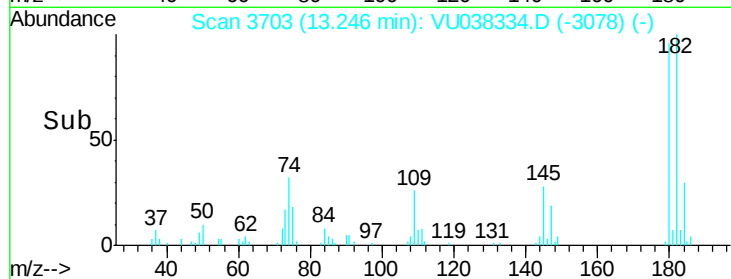
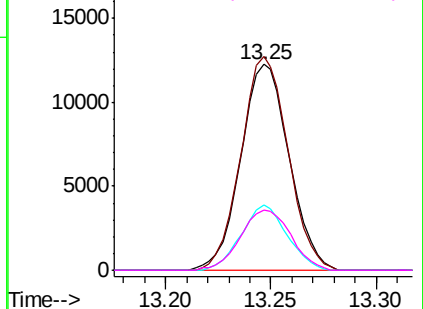
#67
 1,3,5-Trichlorobenzene
 Concen: 4.064 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU038334.D
 Acq: 28 May 2020 09:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

Tot Ion:180	Resp:	19533
Ion Ratio	Lower	Upper
180	100	
182	101.1	77.4 116.2
184	30.2	24.3 36.5
145	30.6	24.5 36.7

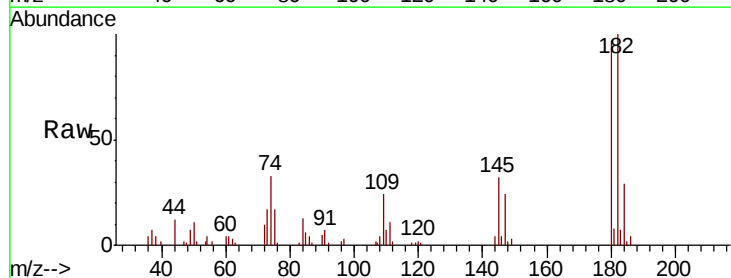


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

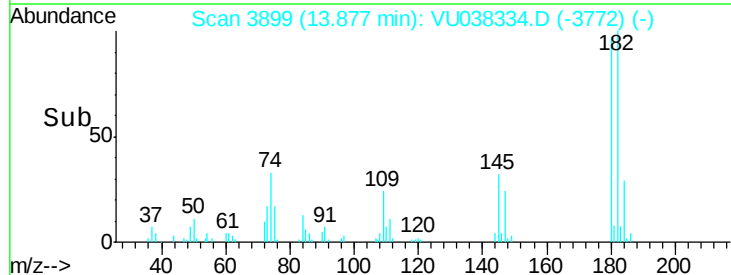
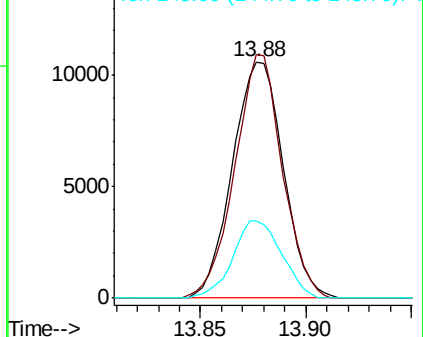


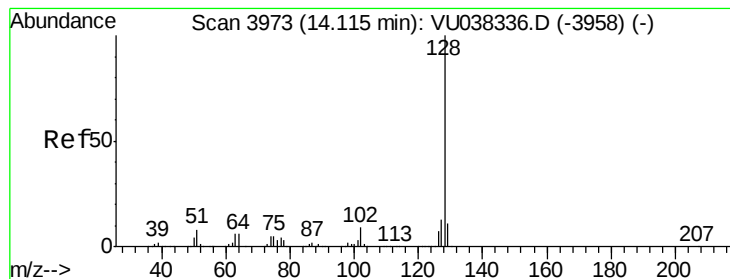
#68
 1,2,4-trichlorobenzene
 Concen: 3.847 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU038334.D
 Acq: 28 May 2020 09:23

Tgt Ion:180	Resp:	17735
Ion Ratio	Lower	Upper
180	100	
182	96.2	77.1 115.7
145	31.5	25.8 38.8



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: 3.216 ug/L

RT: 14.13 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

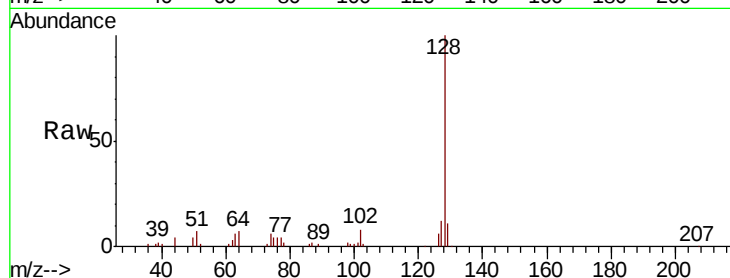
Tot Ion:128 Resp: 53079

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

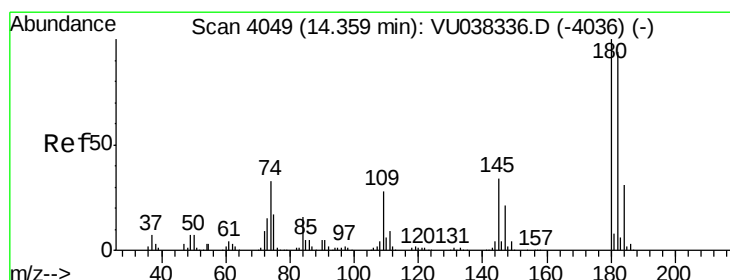
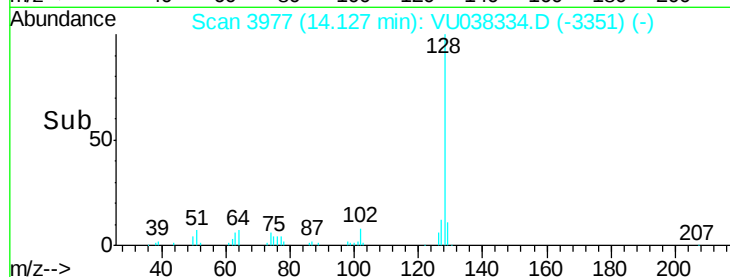
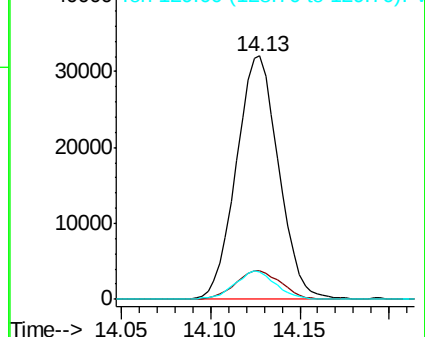
129 11.2 8.6 12.8



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: 3.611 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU038334.D

Acq: 28 May 2020 09:23

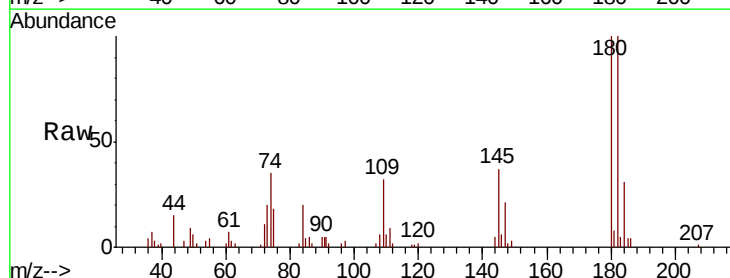
Tgt Ion:180 Resp: 16630

Ion Ratio Lower Upper

180 100

182 98.6 75.5 113.3

145 34.2 26.6 40.0



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

