

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050120\
 Data File : VU037983.D
 Acq On : 01 May 2020 10:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 02 00:06:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 13:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	753825	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	744377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	359775	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	257541	38.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.68%
7) Chloroethane-d5	1.93	69	224354	41.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.59	63	449860	41.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.96%
21) 2-Butanone-d5	4.66	46	463655	89.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.47%
24) Chloroform-d	5.10	84	454786	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
26) 1,2-Dichloroethane-d4	5.74	65	307658	43.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.28%
32) Benzene-d6	5.76	84	936755	42.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.38%
36) 1,2-Dichloropropane-d6	6.72	67	309704	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.14%
41) Toluene-d8	7.92	98	866878	43.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.14%
43) trans-1,3-Dichloropropene-	8.20	79	151936	44.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.08%
47) 2-Hexanone-d5	8.65	63	274466	86.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.75%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	451916	43.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.22%
64) 1,2-Dichlorobenzene-d4	12.21	152	320382	42.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	261687	44.618	ug/L 99
3) Chloromethane	1.53	50	303563	40.841	ug/L 99
5) Vinyl chloride	1.62	62	326337	43.209	ug/L 98
6) Bromomethane	1.86	94	156614	43.537	ug/L 99
8) Chloroethane	1.95	64	196742	43.314	ug/L 100
9) Trichlorofluoromethane	2.15	101	350742	44.682	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	220743	45.756	ug/L 99
12) 1,1-Dichloroethene	2.60	96	217555	44.065	ug/L 97
13) Acetone	2.65	43	302536	90.636	ug/L 100
14) Carbon disulfide	2.82	76	697544	42.652	ug/L 100
15) Methyl Acetate	2.98	43	308170	42.403	ug/L 100
16) Methylene chloride	3.08	84	251059	43.140	ug/L 99
17) trans-1,2-Dichloroethene	3.38	96	234333	43.961	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	767484	43.273	ug/L 100
19) 1,1-Dichloroethane	3.91	63	458009	43.133	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	259115	43.963	ug/L 98
22) 2-Butanone	4.74	43	472275	87.418	ug/L 99

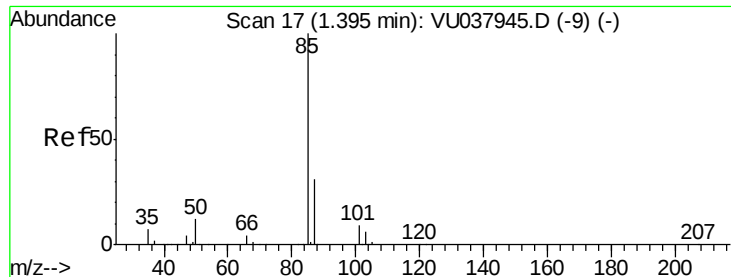
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050120\
 Data File : VU037983.D
 Acq On : 01 May 2020 10:59
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 Quant Title : VOC Analysis
 QLast Update : Fri May 01 13:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	122950	44.348	ug/L	94
25) Chloroform	5.12	83	441491	43.314	ug/L	99
27) 1,2-Dichloroethane	5.83	62	366012	43.425	ug/L	99
29) Cyclohexane	5.42	56	435714	44.796	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	359832	43.488	ug/L	99
31) Carbon tetrachloride	5.56	117	287600	44.031	ug/L	100
33) Benzene	5.81	78	1001380	43.033	ug/L	100
34) Trichloroethene	6.57	95	245184	43.451	ug/L	98
35) Methylcyclohexane	6.79	83	433922	45.779	ug/L	98
37) 1,2-Dichloropropane	6.82	63	272735	43.838	ug/L	100
38) Bromodichloromethane	7.13	83	325287	43.062	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	427645	44.841	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	850860	84.408	ug/L	99
42) Toluene	8.00	91	1074505	43.950	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	398904	44.801	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	242571	43.049	ug/L	99
46) Tetrachloroethene	8.58	164	170545	41.397	ug/L	96
48) 2-Hexanone	8.71	43	723553	87.100	ug/L	98
49) Dibromochloromethane	8.83	129	239944	44.154	ug/L	99
50) 1,2-Dibromoethane	8.95	107	259427	42.859	ug/L	98
51) Chlorobenzene	9.47	112	665759	43.735	ug/L	99
52) Ethylbenzene	9.59	91	1205736	44.490	ug/L	99
53) m,p-Xylene	9.71	106	462631	44.959	ug/L	98
54) o-xylene	10.12	106	445607	43.984	ug/L	100
55) Styrene	10.13	104	770438	44.771	ug/L	99
56) Isopropylbenzene	10.50	105	1163939	44.619	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	423172	42.067	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	360290	41.766	ug/L	99
61) Bromoform	10.31	173	161317	41.934	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	511811	44.433	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	512800	44.059	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	500992	43.114	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	98148	40.465	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	355029	45.211	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	340783	45.275	ug/L	98
69) Naphthalene	14.12	128	1273477	44.099	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	339360	45.810	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 44.618 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

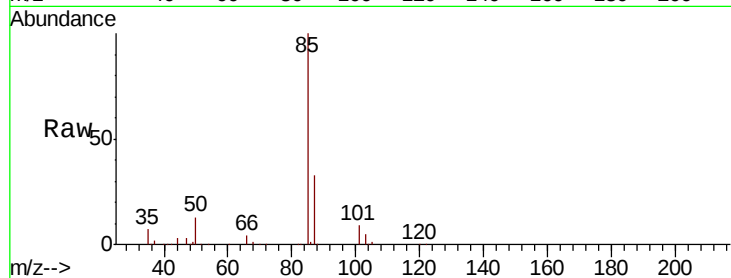
ClientSampleId :

Tot Ion: 85 Resp: 261687

Ion Ratio Lower Upper

85 100

87 32.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037945.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037945.D (-9) (-)

1.39

250000

200000

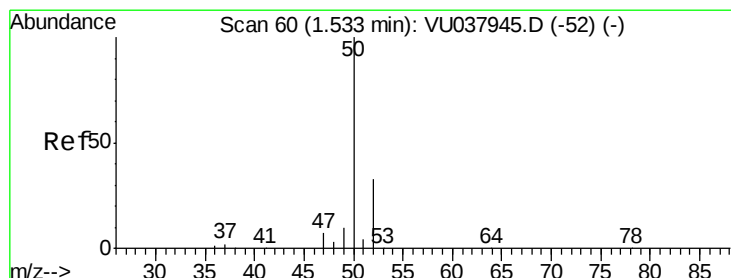
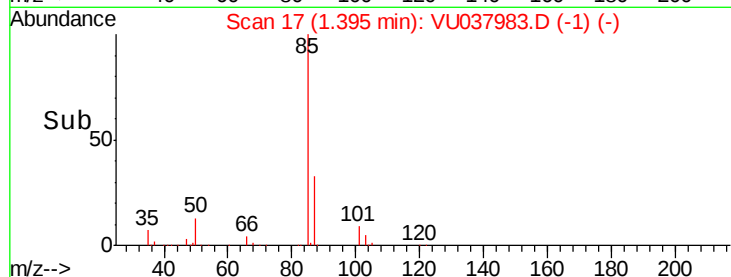
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 40.841 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037983.D

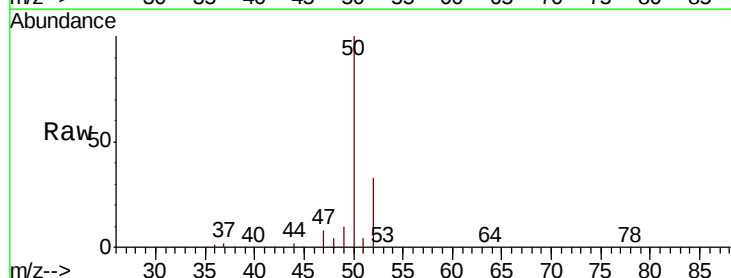
Acq: 01 May 2020 10:59

Tgt Ion: 50 Resp: 303563

Ion Ratio Lower Upper

50 100

52 33.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU037945.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037945.D (-52) (-)

1.53

300000

250000

200000

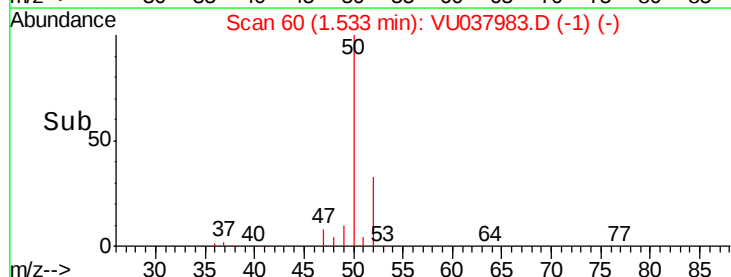
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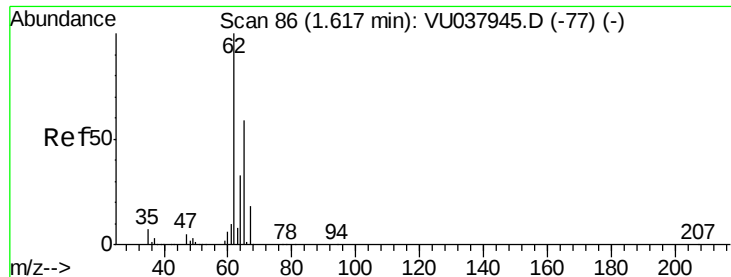
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 43.209 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

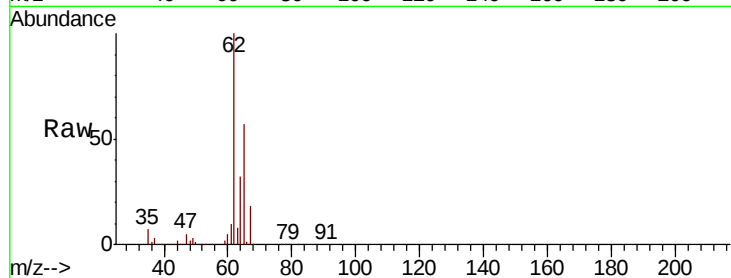
ClientSampleId :

Tot Ion: 62 Resp: 326337

Ion Ratio Lower Upper

62 100

64 32.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VU037945.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037945.D (-77) (-)

1.62

300000

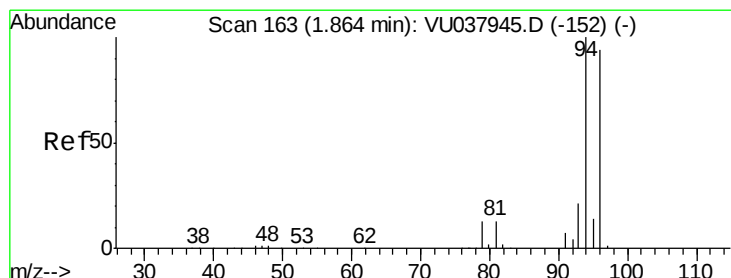
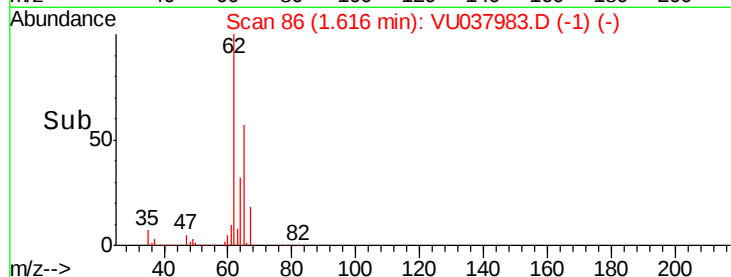
200000

100000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 43.537 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU037983.D

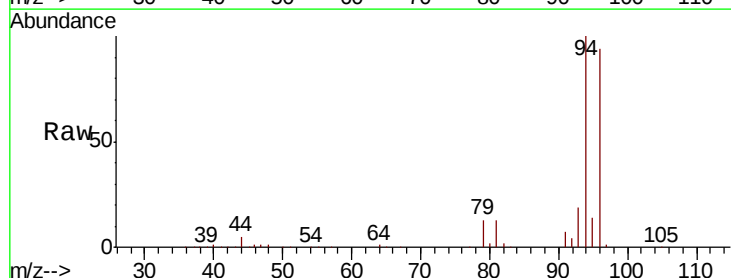
Acq: 01 May 2020 10:59

Tgt Ion: 94 Resp: 156614

Ion Ratio Lower Upper

94 100

96 93.6 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU037945.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU037945.D (-152) (-)

1.86

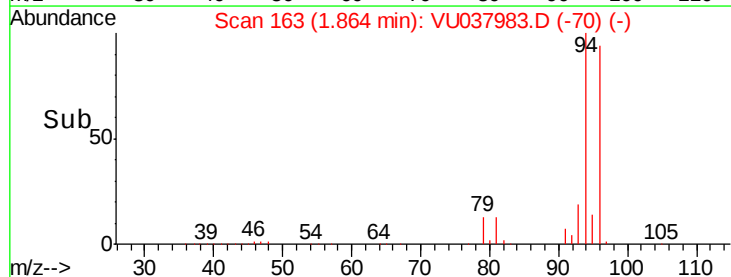
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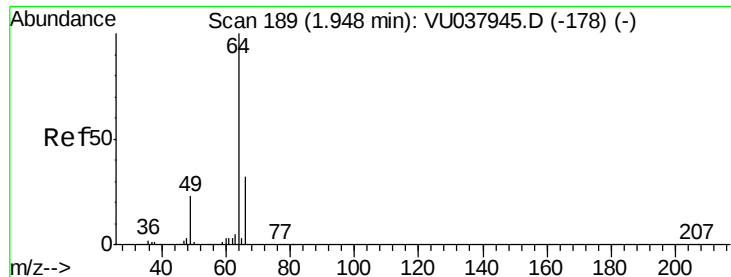
50000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 43.314 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

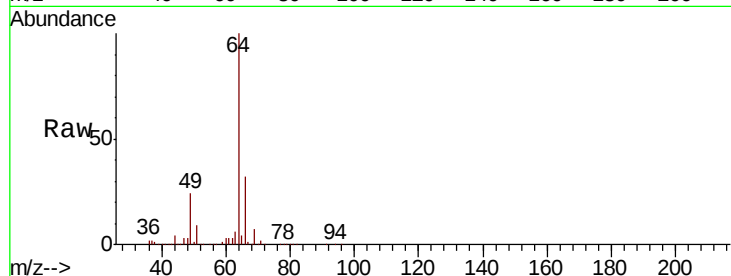
ClientSampleId :

Tot Ion: 64 Resp: 196742

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU037945.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU037945.D (-178) (-)

1.95

150000

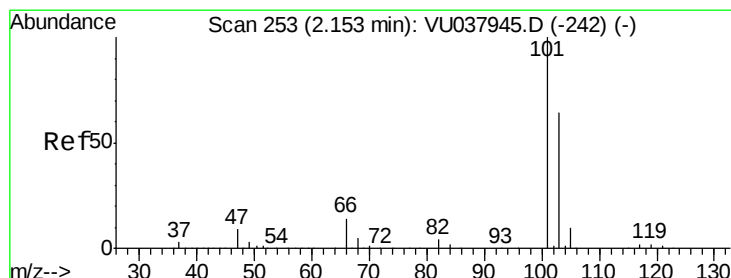
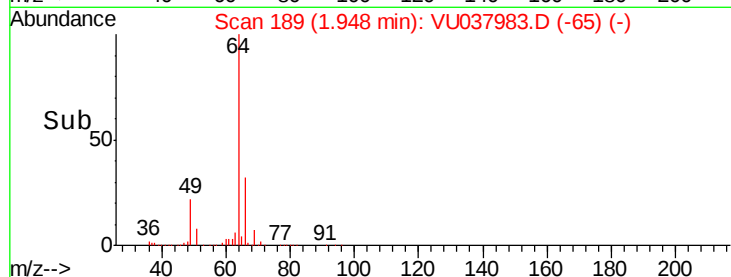
100000

50000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 44.682 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU037983.D

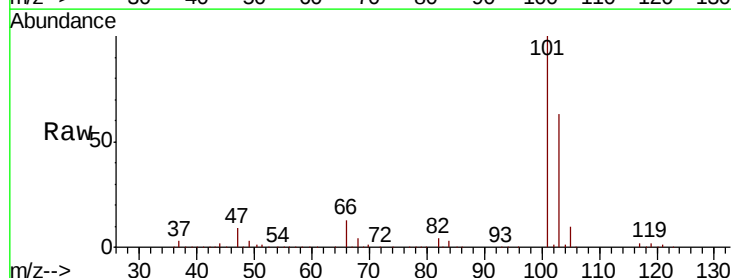
Acq: 01 May 2020 10:59

Tgt Ion: 101 Resp: 350742

Ion Ratio Lower Upper

101 100

103 64.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU037945.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037945.D (-242) (-)

2.15

250000

200000

150000

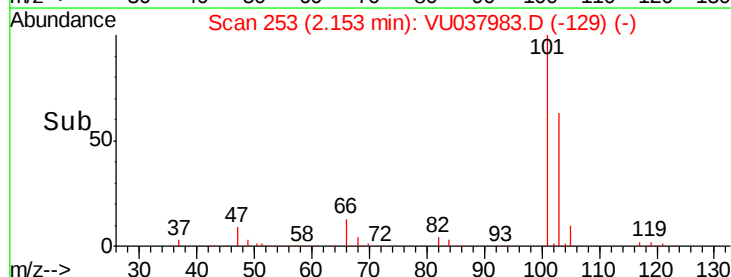
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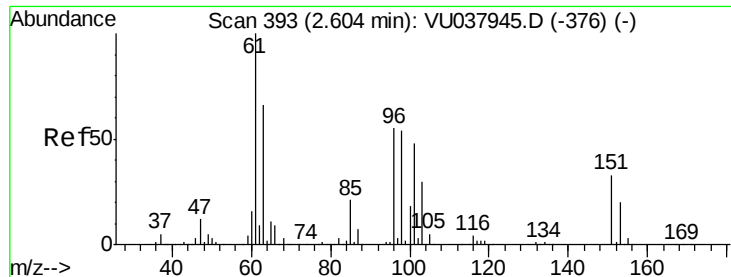
50000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 45.756 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

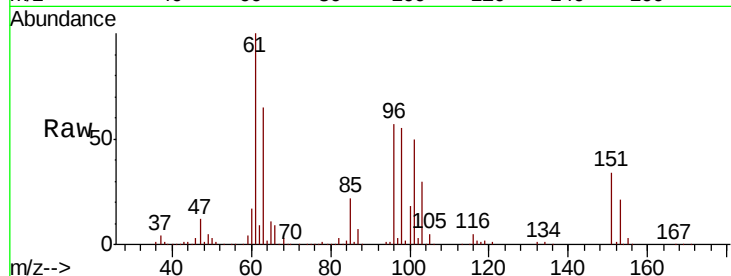
Tot Ion:101 Resp: 220743

Ion Ratio Lower Upper

101 100

85 43.6 34.7 52.1

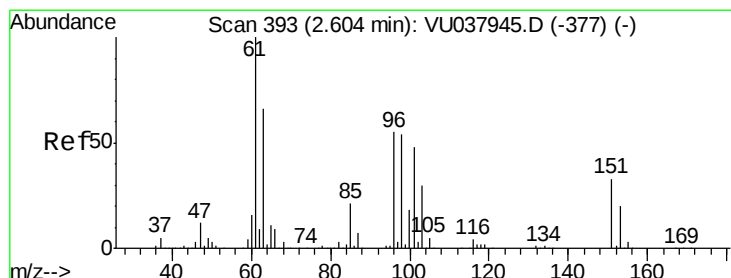
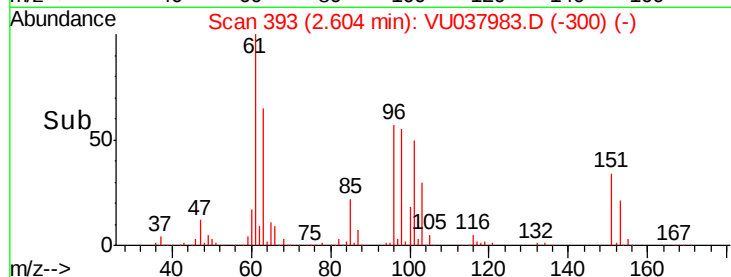
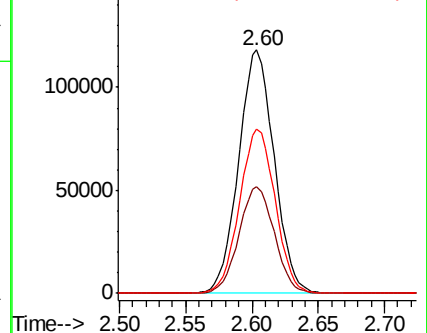
151 67.6 53.4 80.2



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: 44.065 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

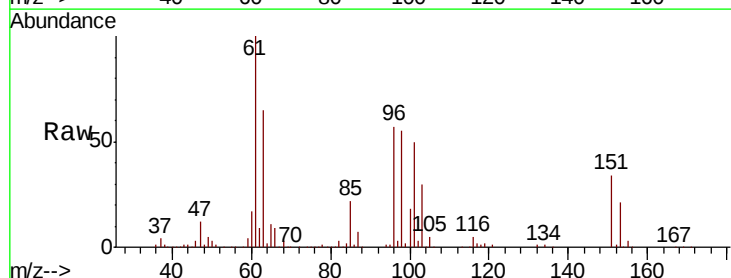
Tgt Ion: 96 Resp: 217555

Ion Ratio Lower Upper

96 100

61 176.1 126.1 234.3

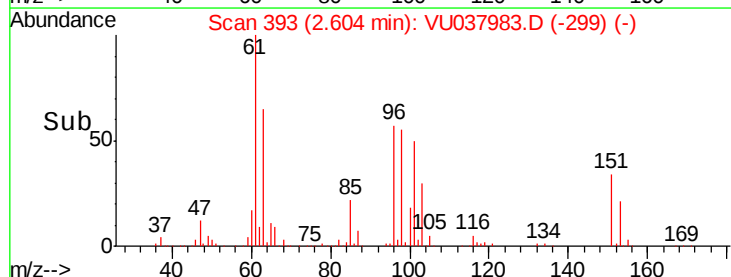
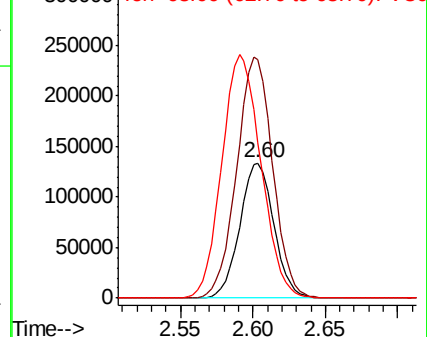
63 114.6 83.4 154.8

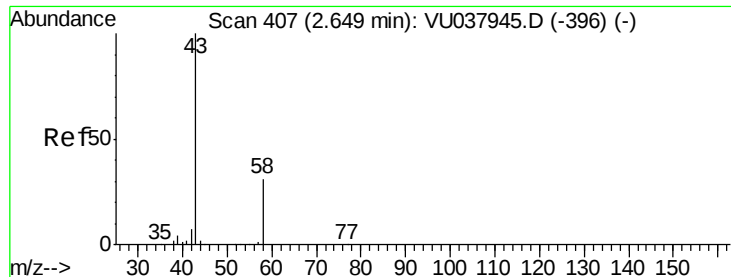


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.636 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

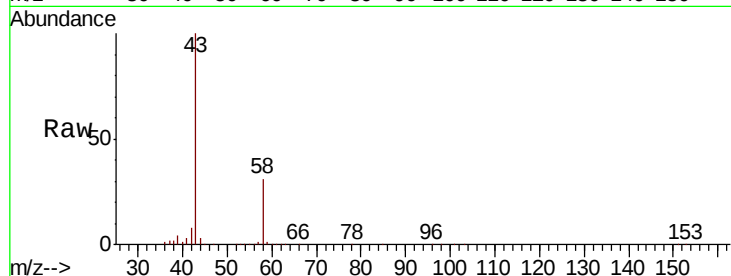
ClientSampleId :

Tot Ion: 43 Resp: 302536

Ion Ratio Lower Upper

43 100

58 32.0 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU037945.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037945.D (-396) (-)

2.65

200000

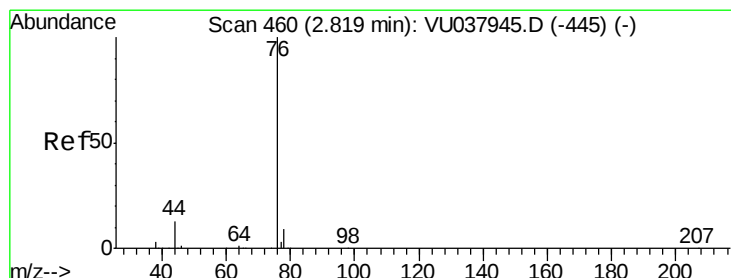
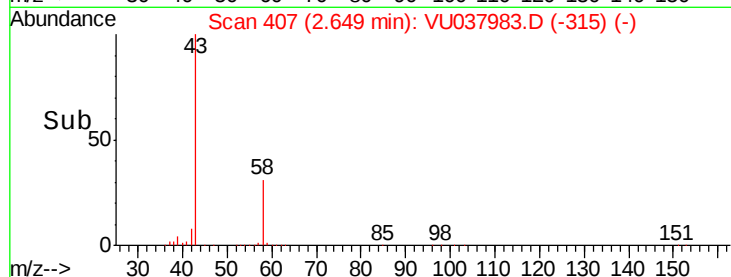
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 42.652 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037983.D

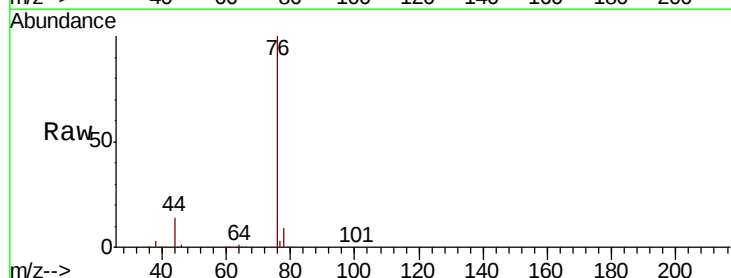
Acq: 01 May 2020 10:59

Tgt Ion: 76 Resp: 697544

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU037945.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037945.D (-445) (-)

2.82

400000

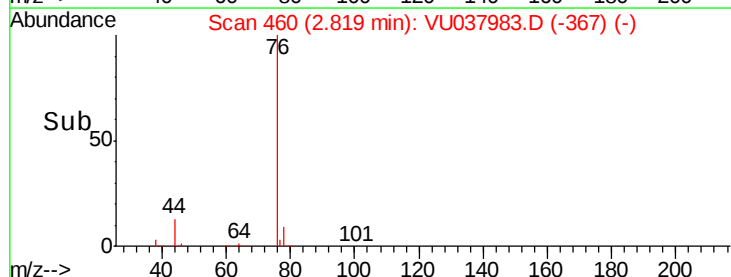
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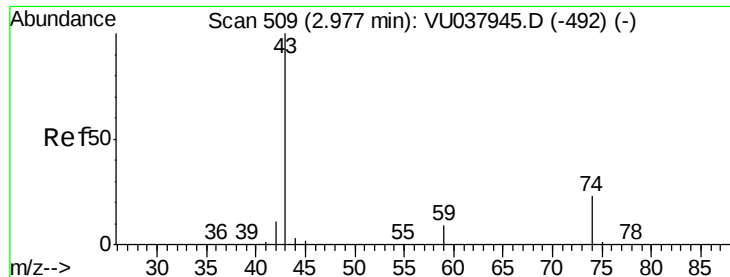
200000

100000

0

Time-->

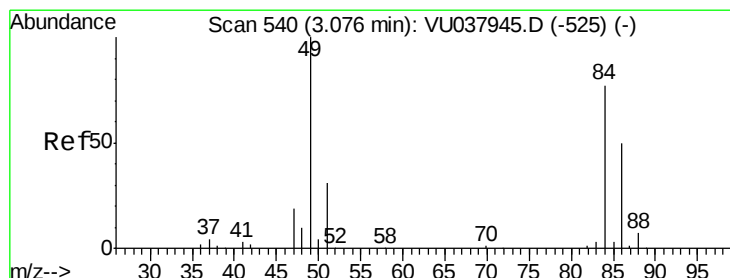
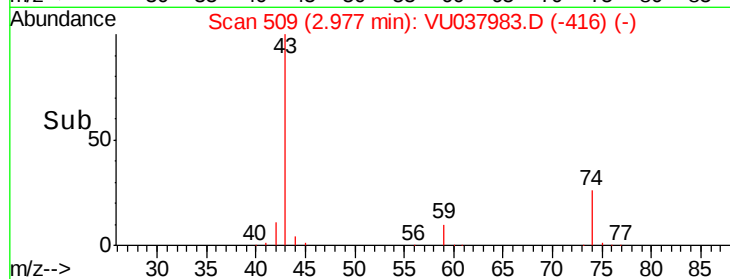
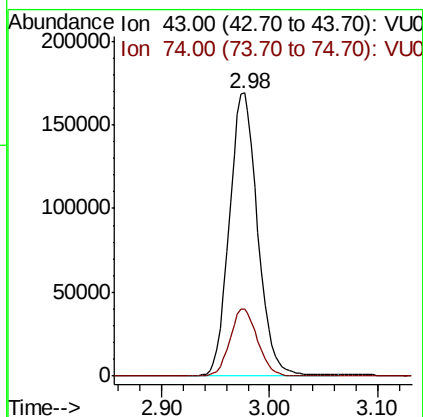
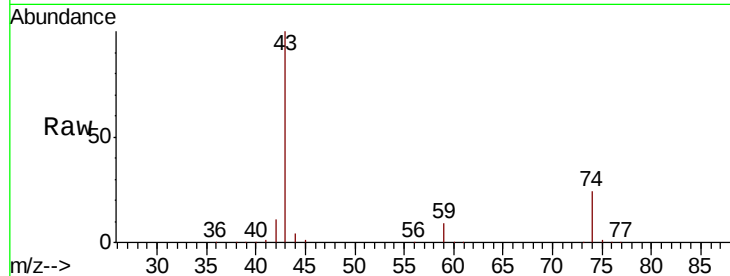




#15
Methvl Acetate
Concen: 42.403 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

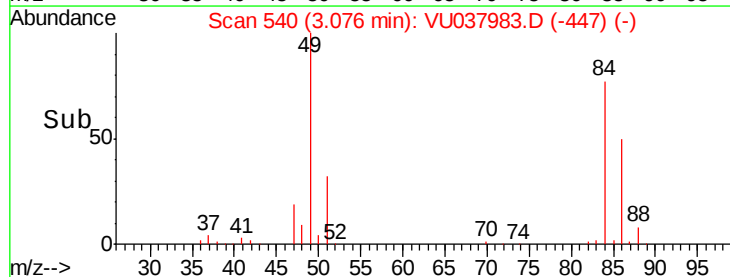
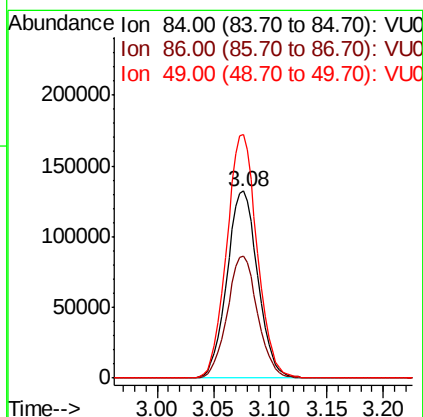
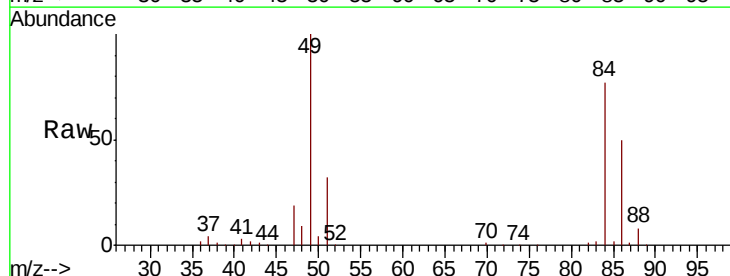
Instrument :
MSVOA_U
ClientSampleId :

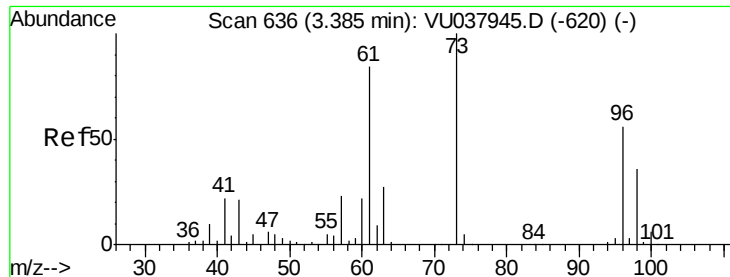
Tot Ion: 43 Resp: 308170
Ion Ratio Lower Upper
43 100
74 23.1 18.6 27.8



#16
Methylene chloride
Concen: 43.140 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Tgt Ion: 84 Resp: 251059
Ion Ratio Lower Upper
84 100
86 65.7 45.1 83.9
49 130.4 91.2 169.4

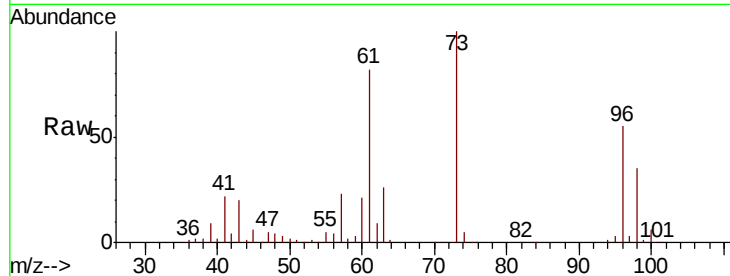




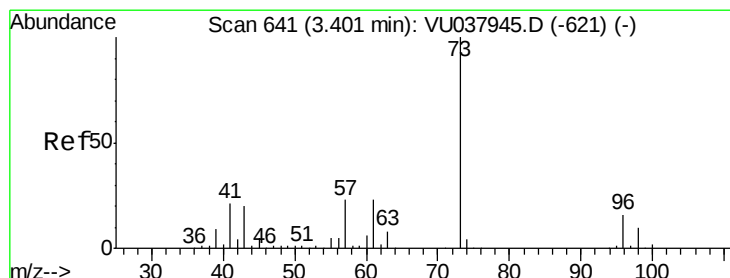
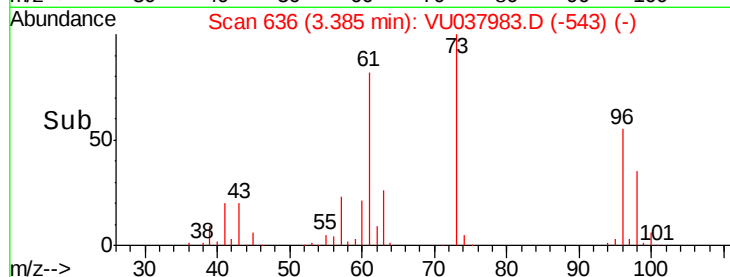
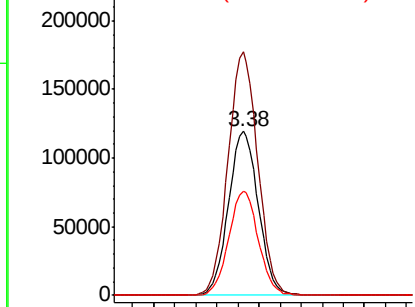
#17
trans-1,2-Dichloroethene
Concen: 43.961 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 234333
Ion Ratio Lower Upper
96 100
61 148.6 104.9 194.9
98 63.7 44.6 82.8

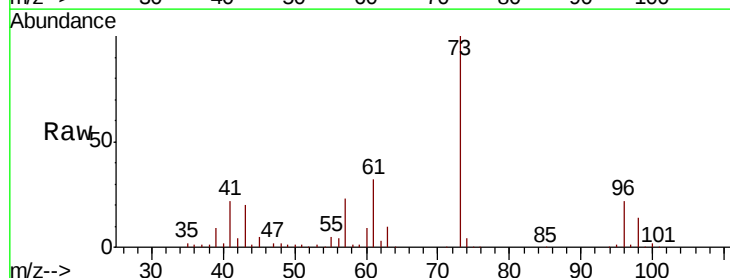


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

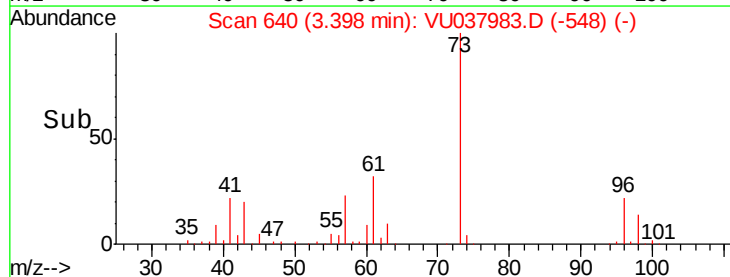
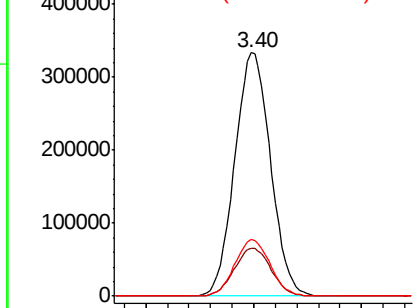


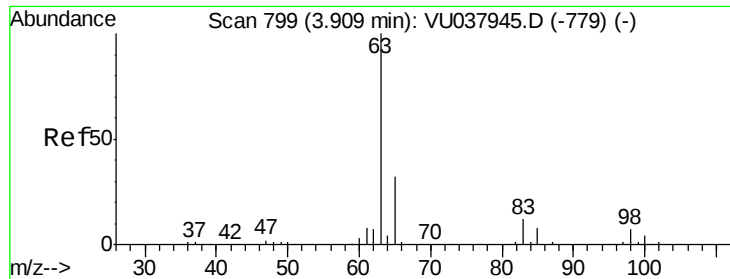
#18
Methyl tert-butyl Ether
Concen: 43.273 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Tgt Ion: 73 Resp: 767484
Ion Ratio Lower Upper
73 100
43 20.3 16.3 24.5
57 22.9 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 43.133 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

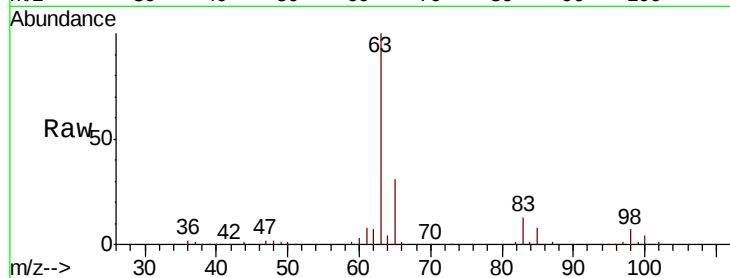
Tot Ion: 63 Resp: 458009

Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.7

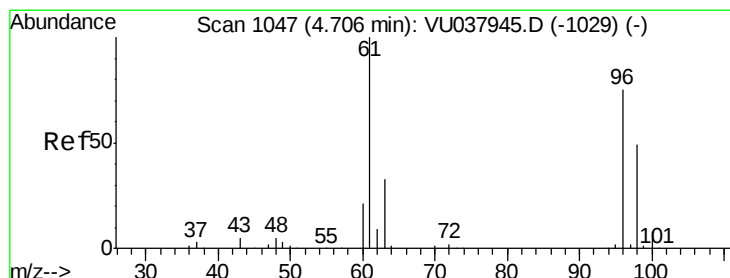
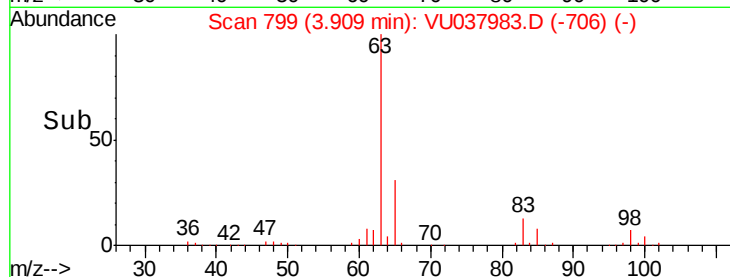
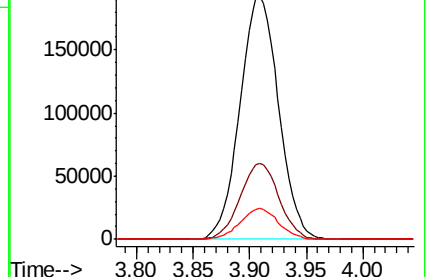
83 12.5 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU037945.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU037945.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU037945.D (-779) (-)



#20

cis-1,2-Dichloroethene

Concen: 43.963 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

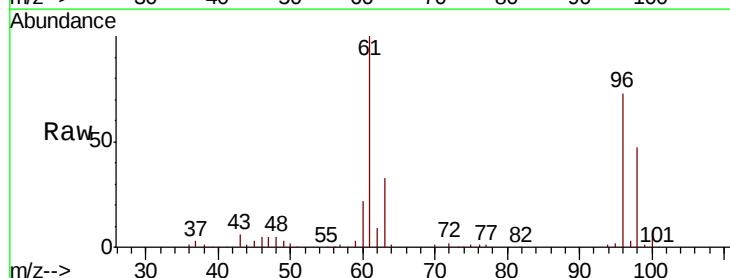
Tgt Ion: 96 Resp: 259115

Ion Ratio Lower Upper

96 100

61 136.6 93.9 174.3

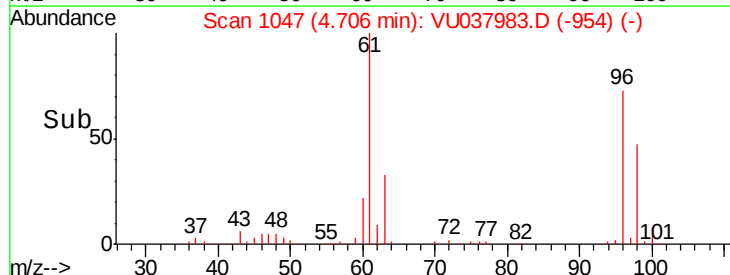
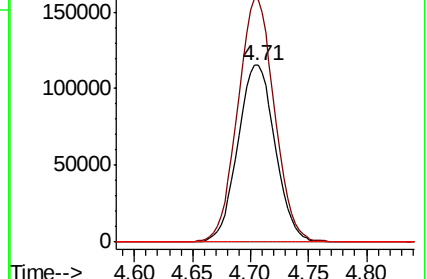
68 0.0 0.0 0.0

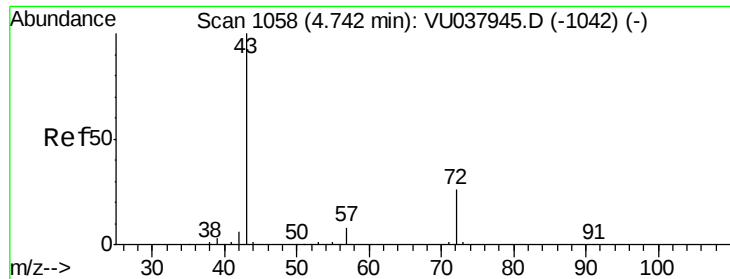


Abundance Ion 96.00 (95.70 to 96.70): VU037945.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037945.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037945.D (-1029) (-)





#22

2-Butanone

Concen: 87.418 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

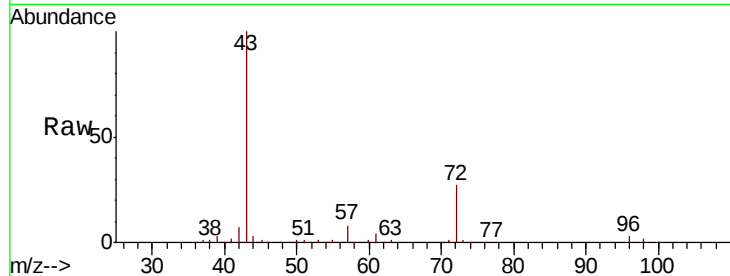
ClientSampled :

Tot Ion: 43 Resp: 472275

Ion Ratio Lower Upper

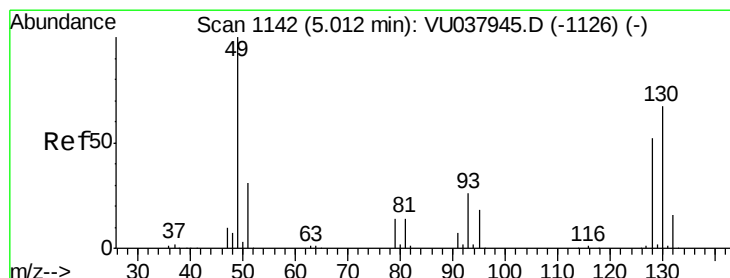
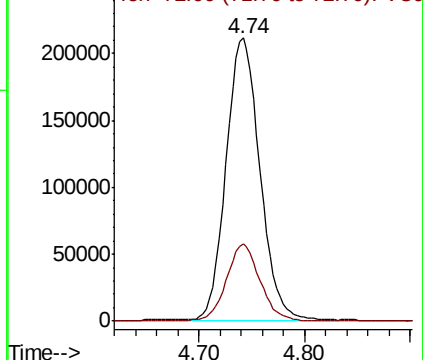
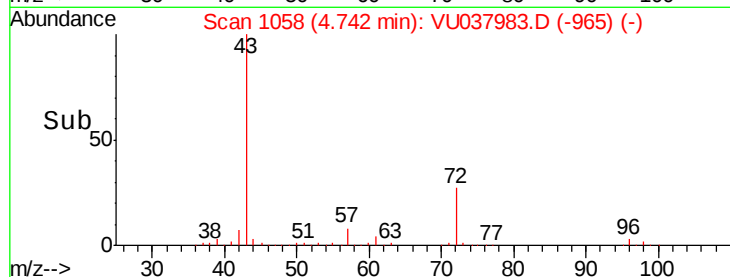
43 100

72 27.0 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU037983.D (-965) (-)

Ion 72.00 (71.70 to 72.70): VU037983.D (-965) (-)



#23

Bromochloromethane

Concen: 44.348 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Tgt Ion: 128 Resp: 122950

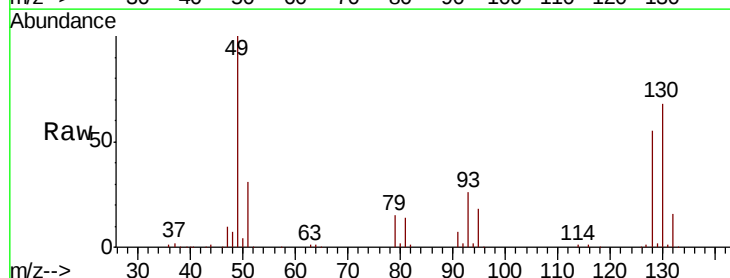
Ion Ratio Lower Upper

128 100

49 183.1 136.2 252.9

130 125.2 91.3 169.5

51 57.6 49.0 73.6

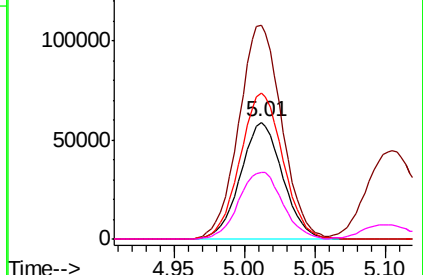
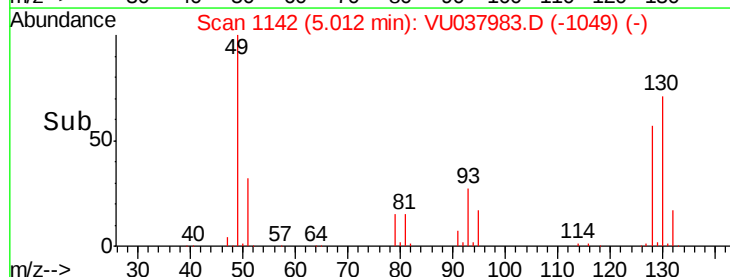


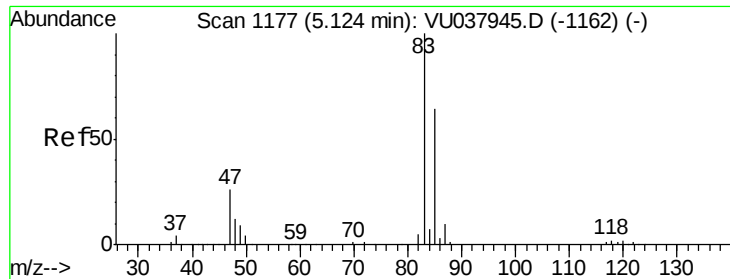
Abundance Ion 128.00 (127.70 to 128.70): VU037983.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037983.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037983.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037983.D (-1049) (-)

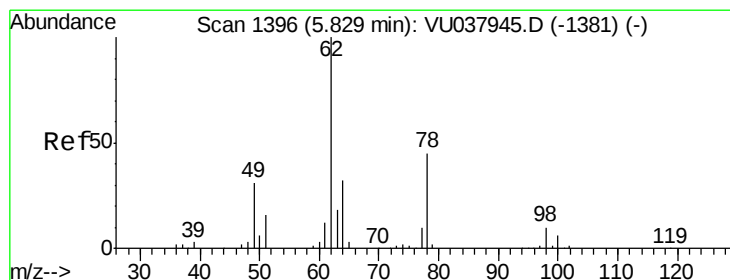
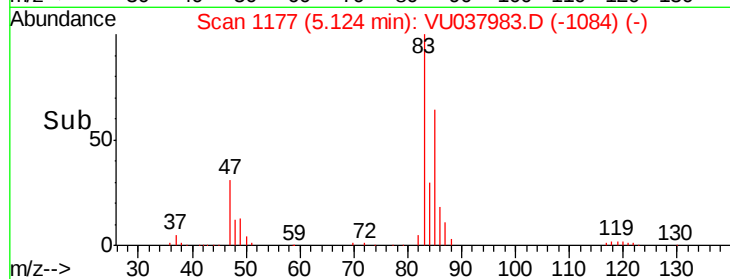
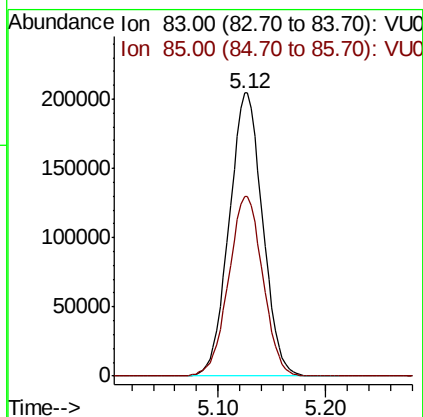
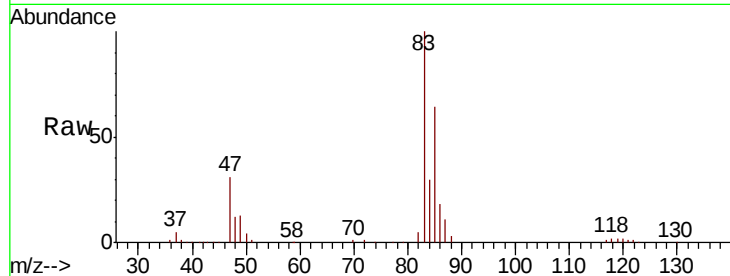




#25
Chloroform
Concen: 43.314 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

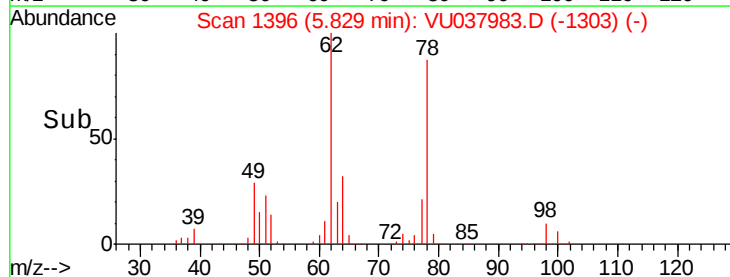
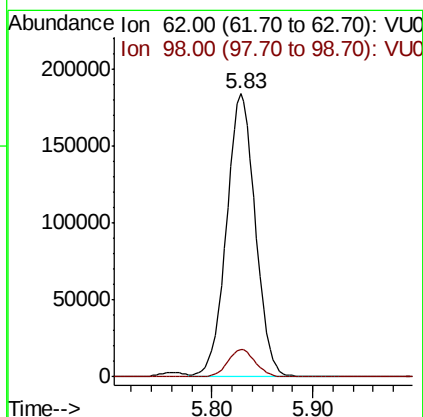
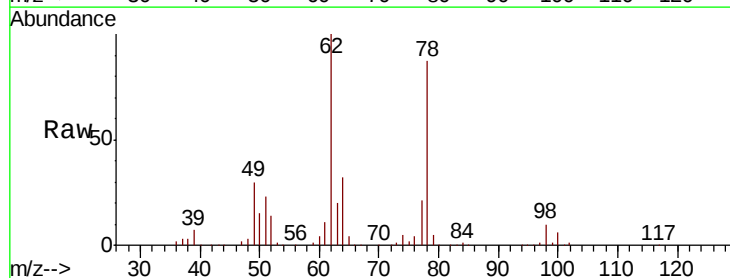
Instrument :
MSVOA_U
ClientSampleId :

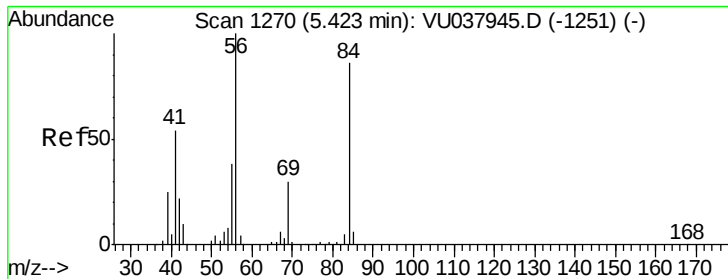
Tot Ion: 83 Resp: 441491
Ion Ratio Lower Upper
83 100
85 63.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 43.425 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Tgt Ion: 62 Resp: 366012
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4

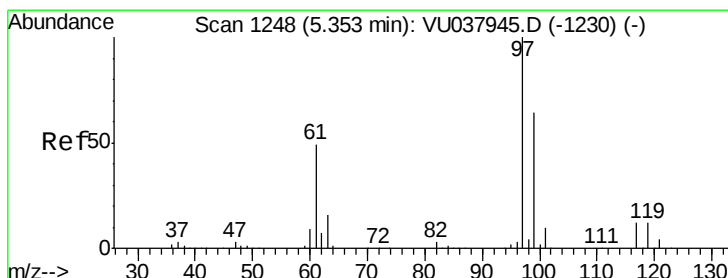
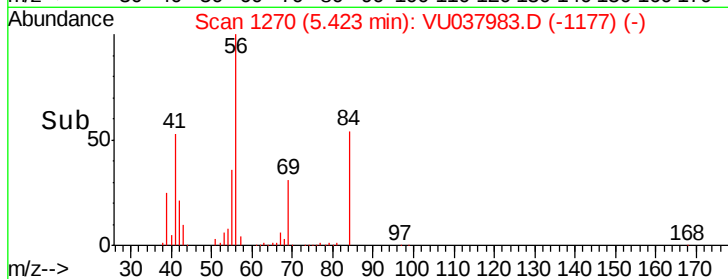
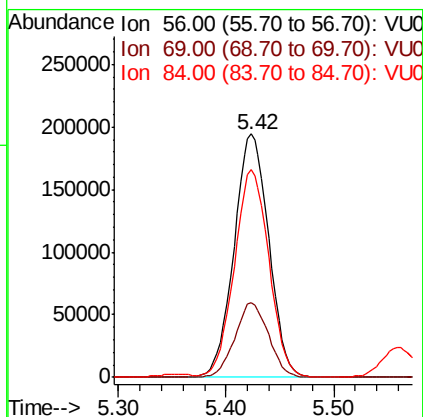
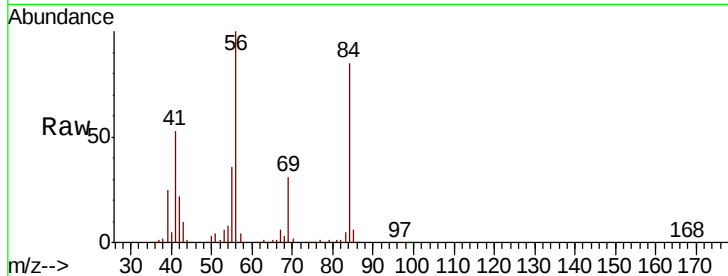




#29
Cyclohexane
Concen: 44.796 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

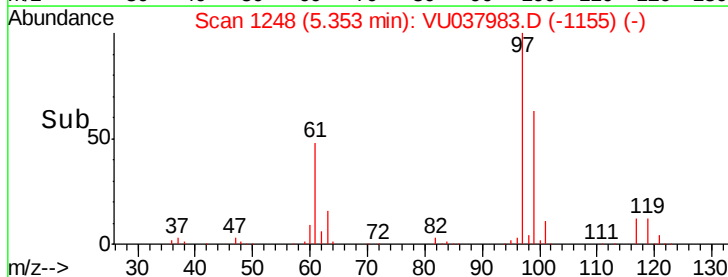
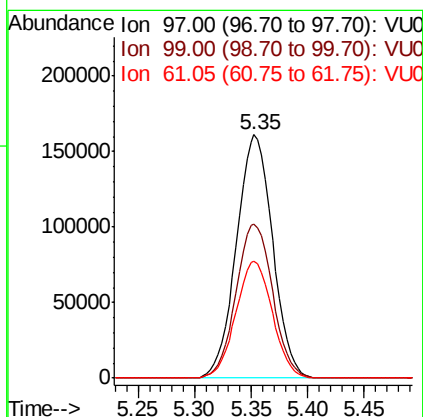
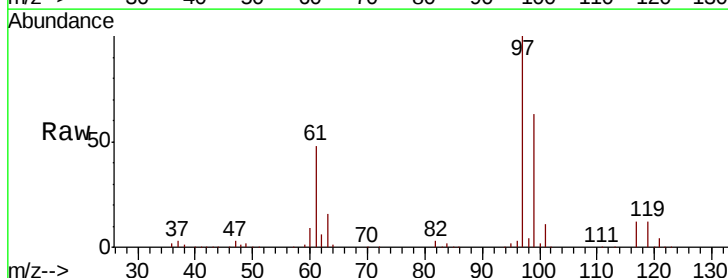
Instrument :
MSVOA_U
ClientSampled :

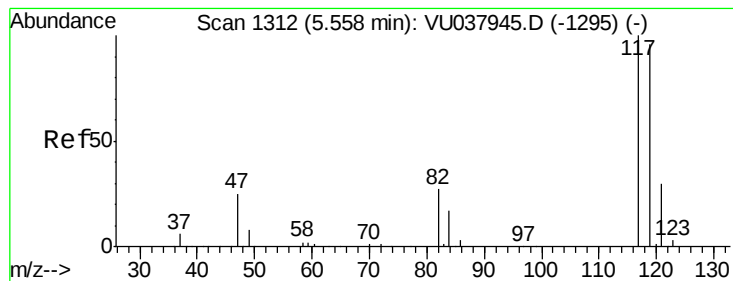
Tot Ion: 56 Resp: 435714
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 85.0 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 43.488 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Tgt Ion: 97 Resp: 359832
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 48.5 38.8 58.2





#31

Carbon tetrachloride

Concen: 44.031 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

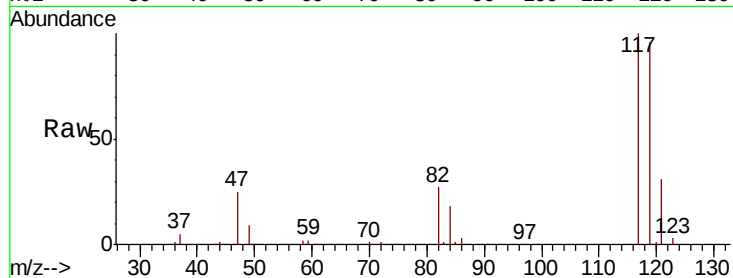
ClientSampleId :

Tot Ion:117 Resp: 287600

Ion Ratio Lower Upper

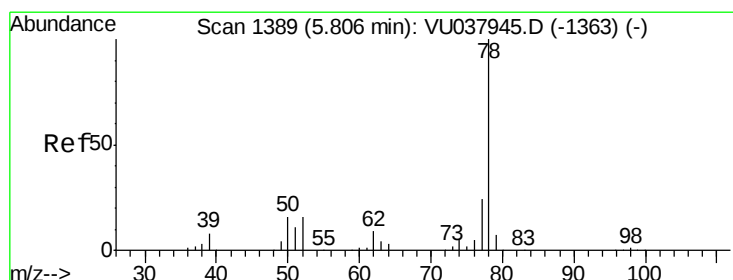
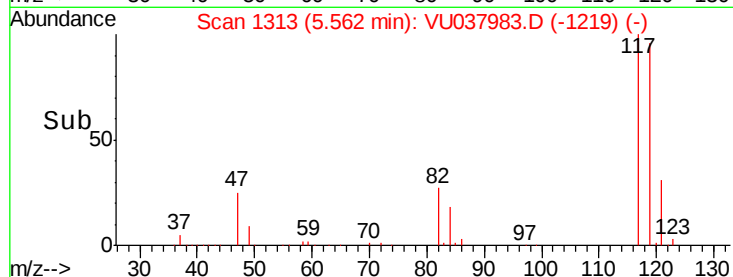
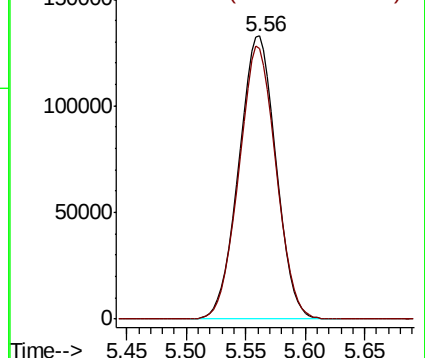
117 100

119 96.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 43.033 ug/L

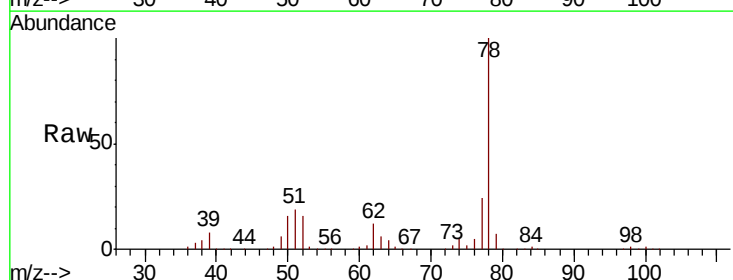
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

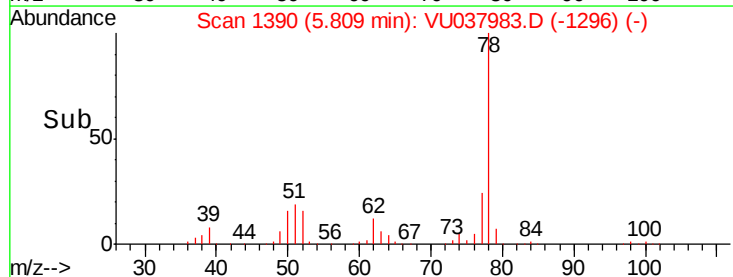
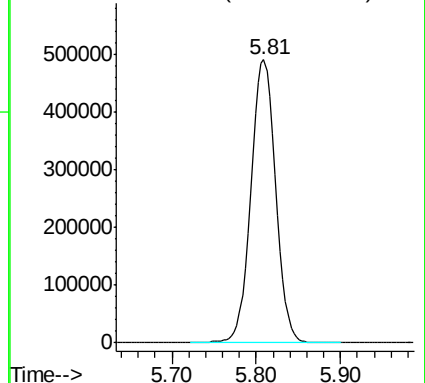
Lab File: VU037983.D

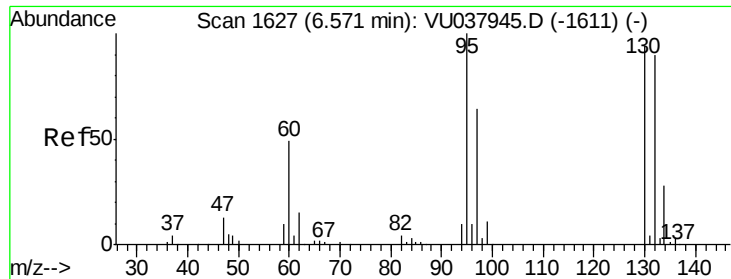
Acq: 01 May 2020 10:59

Tgt Ion: 78 Resp: 1001380



Abundance Ion 78.00 (77.70 to 78.70): VU0

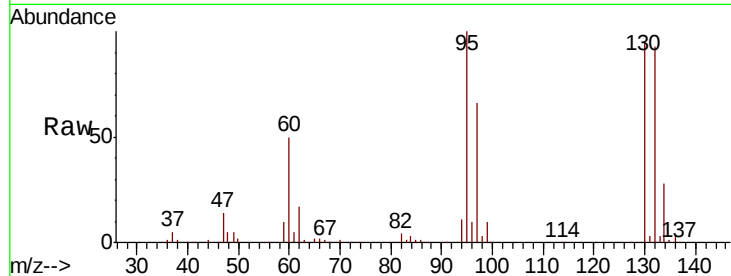




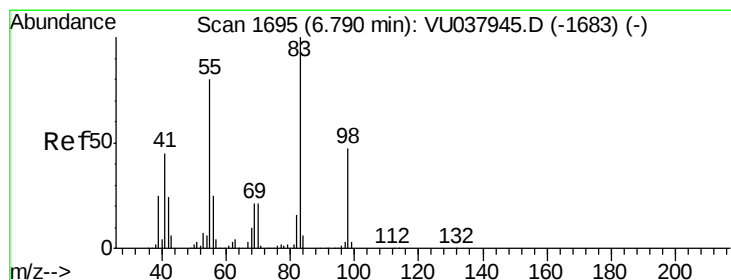
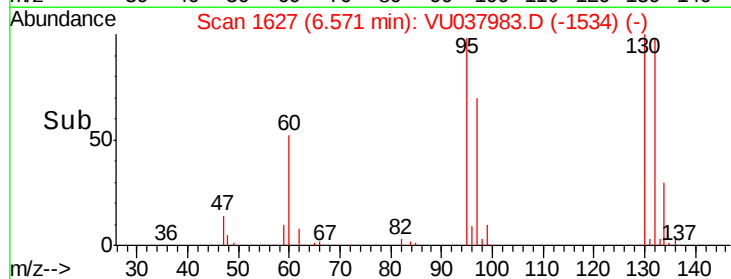
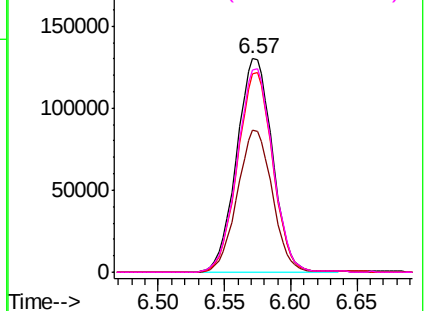
#34
 Trichloroethene
 Concen: 43.451 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 245184
 Ion Ratio Lower Upper
 95 100
 97 66.4 44.9 83.5
 132 92.9 63.2 117.4
 130 95.0 65.9 122.3

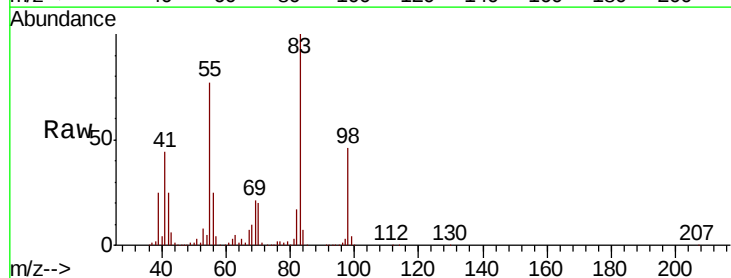


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

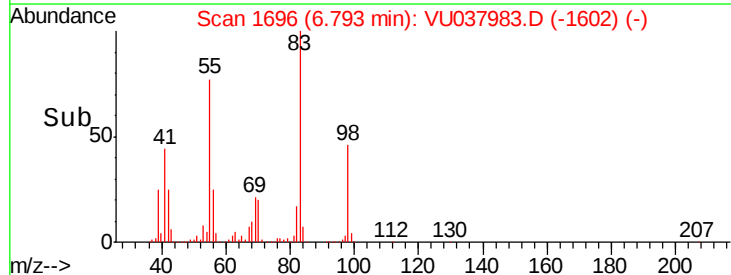
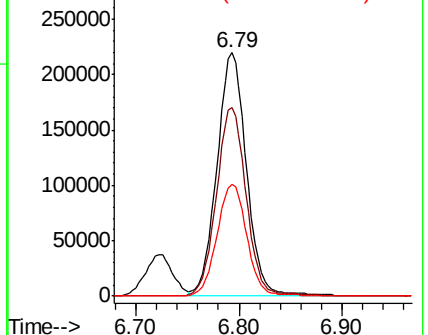


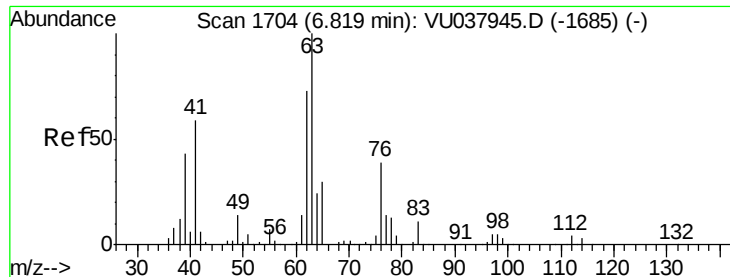
#35
 Methylcyclohexane
 Concen: 45.779 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

Tgt Ion: 83 Resp: 433922
 Ion Ratio Lower Upper
 83 100
 55 78.3 64.2 96.4
 98 46.5 38.1 57.1



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

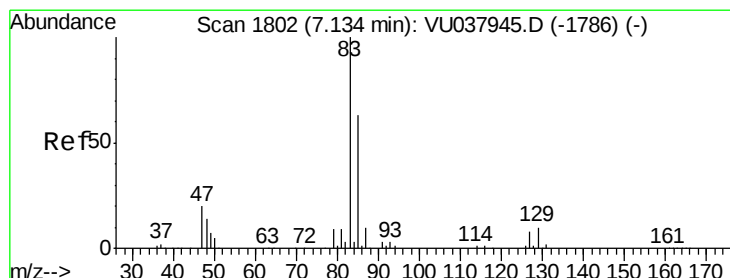
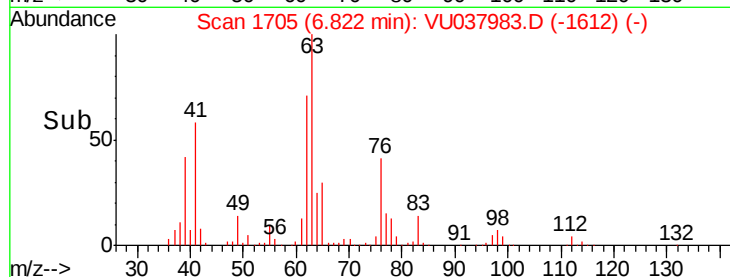
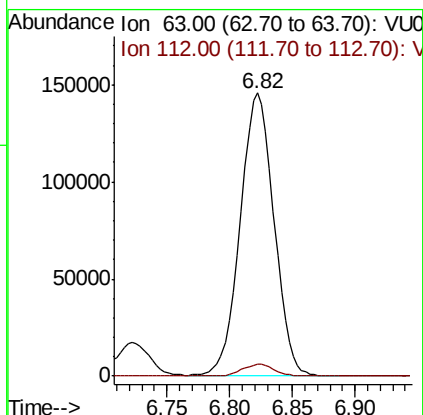
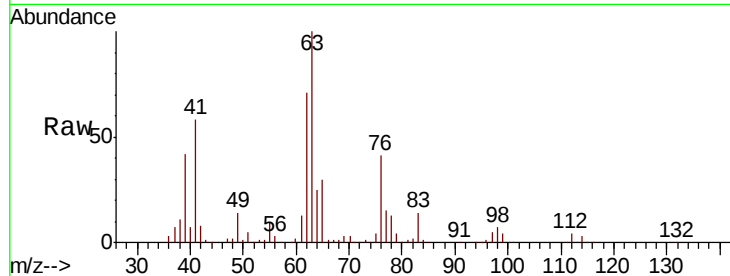




#37
 1,2-Dichloropropane
 Concen: 43.838 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

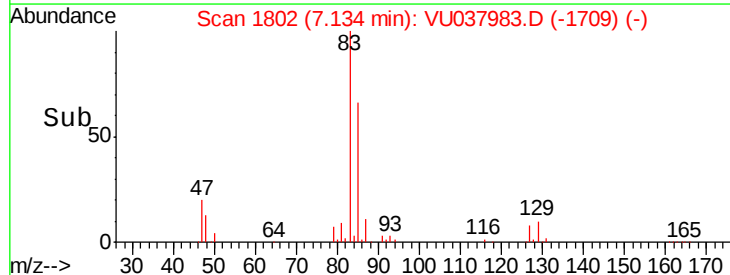
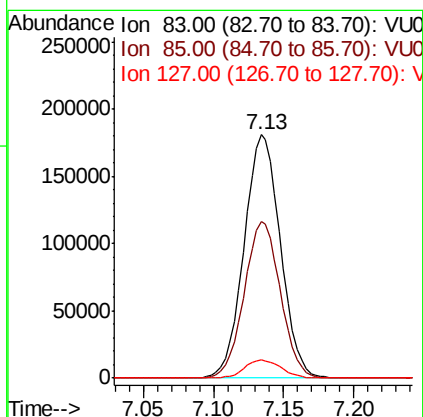
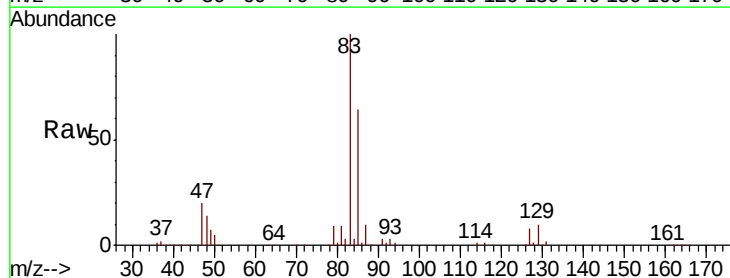
Instrument :
 MSVOA_U
 ClientSampled :

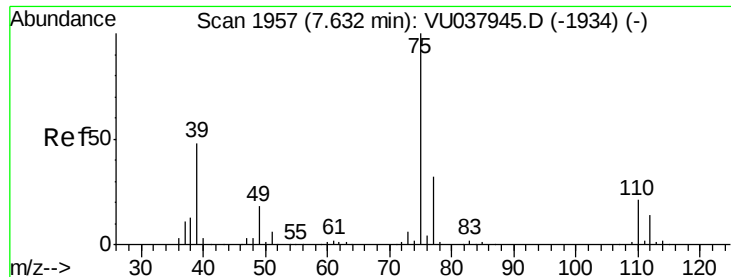
Tot Ion: 63 Resp: 272735
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 43.062 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

Tgt Ion: 83 Resp: 325287
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.8 81.3
 127 7.5 6.1 9.1

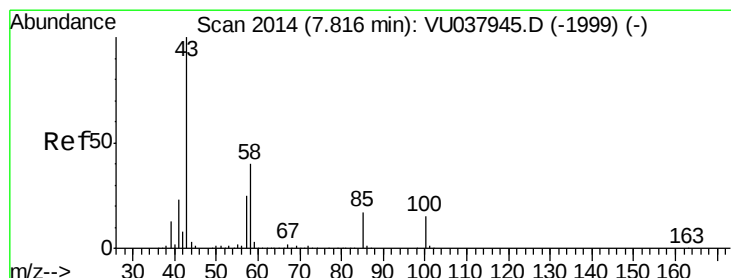
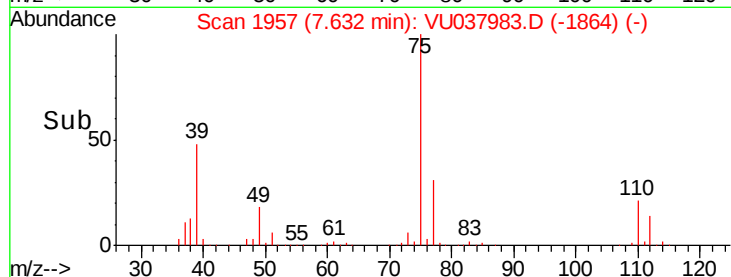
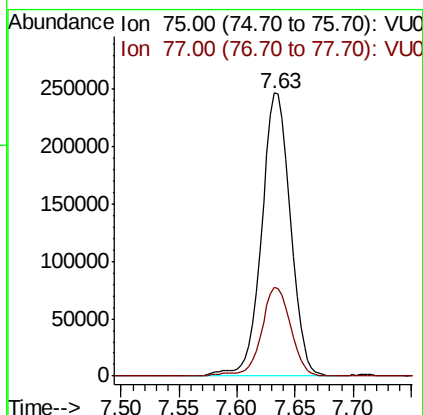
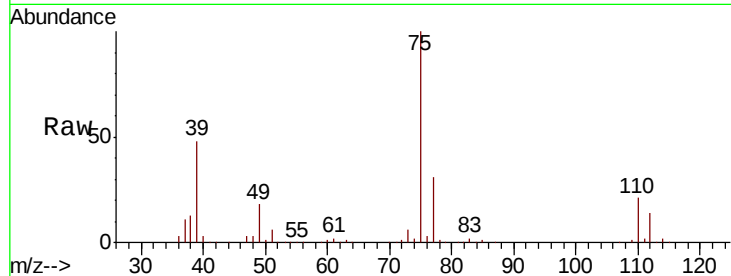




#39
 cis-1,3-Dichloropropene
 Concen: 44.841 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

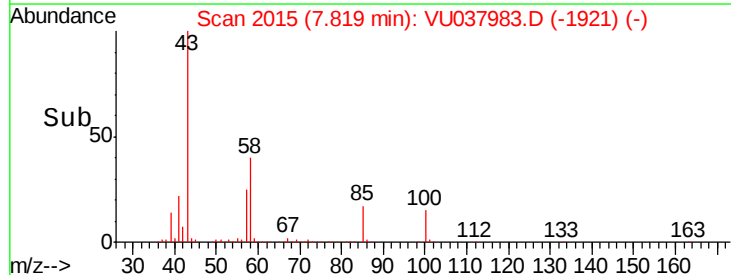
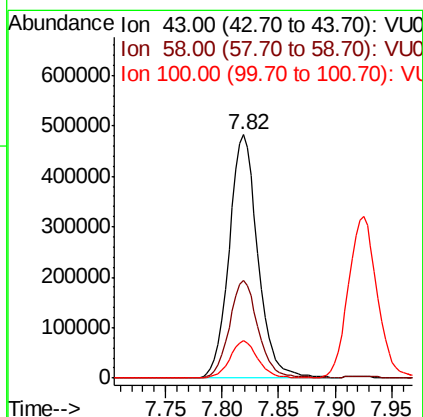
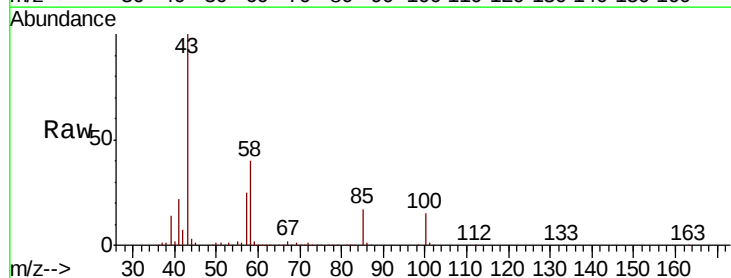
Instrument :
 MSVOA_U
 ClientSampled :

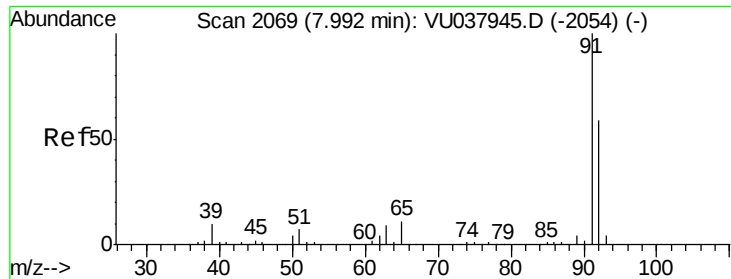
Tot Ion: 75 Resp: 427645
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 84.408 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

Tgt Ion: 43 Resp: 850860
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.8 47.8
 100 15.1 12.2 18.2





#42

Toluene

Concen: 43.950 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

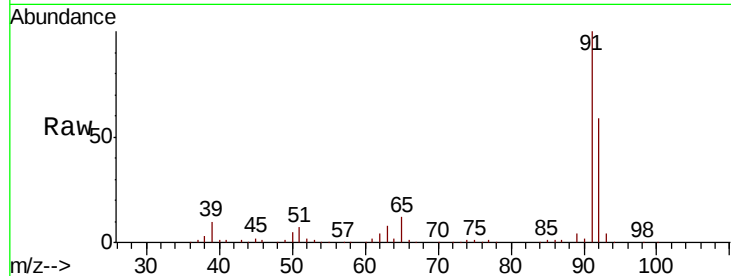
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1074505

Ion Ratio Lower Upper

91 100

92 59.2 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VU037945.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU037945.D (-2054) (-)

8.00

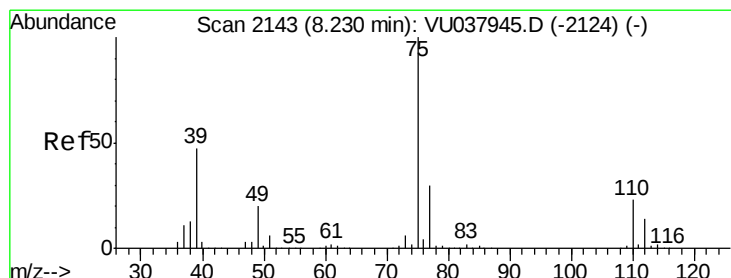
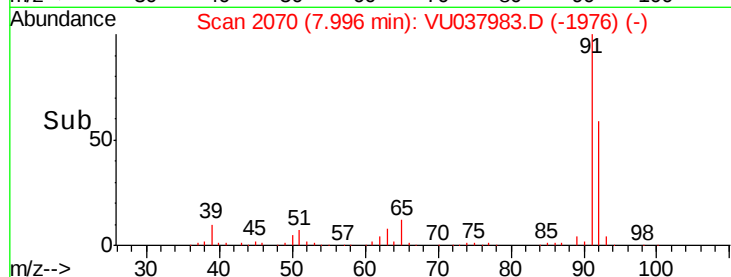
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 44.801 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037983.D

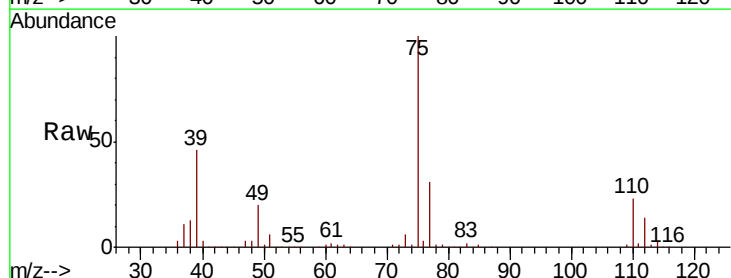
Acq: 01 May 2020 10:59

Tgt Ion: 75 Resp: 398904

Ion Ratio Lower Upper

75 100

77 31.1 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU037945.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037945.D (-2124) (-)

8.23

250000

200000

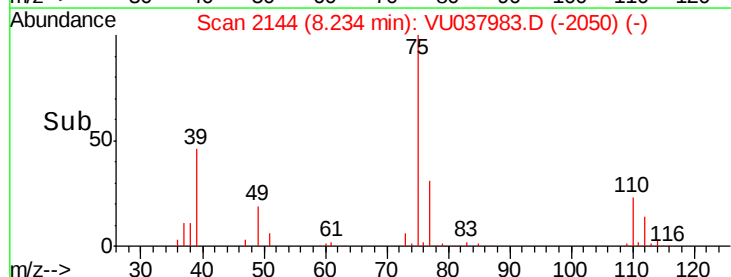
150000

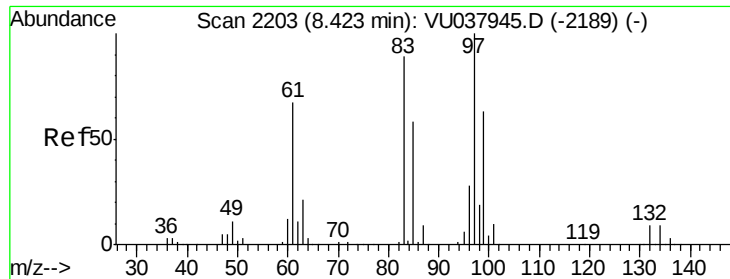
100000

50000

0

Time-->

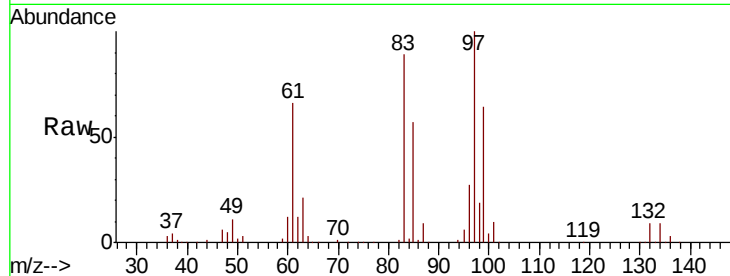




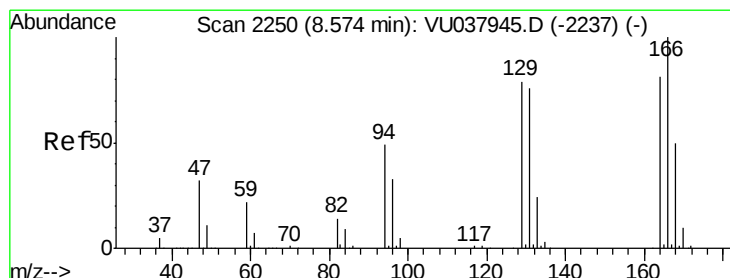
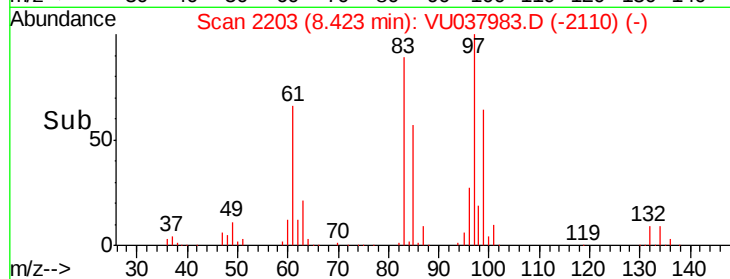
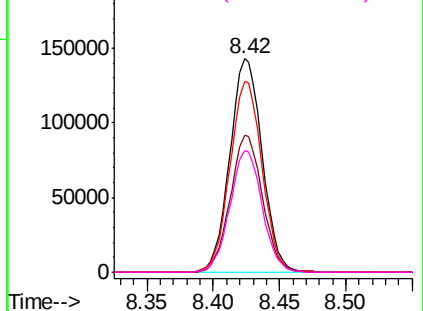
#45
1,1,2-Trichloroethane
Concen: 43.049 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	242571
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.4	82.4
83	89.1	61.9	115.1
85	57.0	40.5	75.1

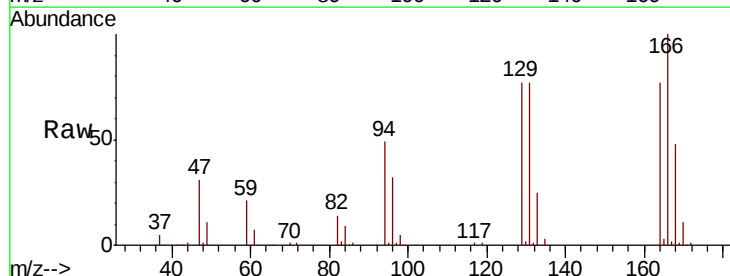


Abundance Ion 97.00 (96.70 to 97.70): VU037945.D (-2189) (-)
Ion 99.00 (98.70 to 99.70): VU037945.D (-2189) (-)
Ion 83.00 (82.70 to 83.70): VU037945.D (-2189) (-)
Ion 85.00 (84.70 to 85.70): VU037945.D (-2189) (-)

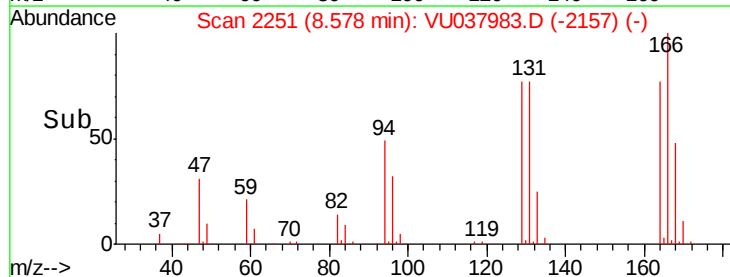
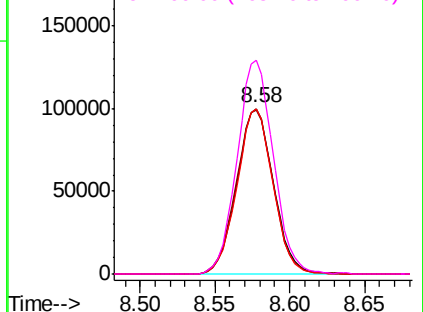


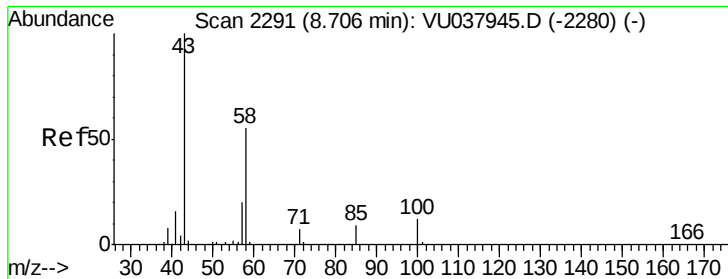
#46
Tetrachloroethene
Concen: 41.397 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Tgt Ion:	164	Resp:	170545
Ion	Ratio	Lower	Upper
164	100		
129	99.1	68.4	127.0
131	99.9	65.7	122.1
166	129.3	86.7	161.1



Abundance Ion 164.00 (163.70 to 164.70): VU037945.D (-2237) (-)
Ion 129.00 (128.70 to 129.70): VU037945.D (-2237) (-)
Ion 131.00 (130.70 to 131.70): VU037945.D (-2237) (-)
Ion 166.00 (165.70 to 166.70): VU037945.D (-2237) (-)

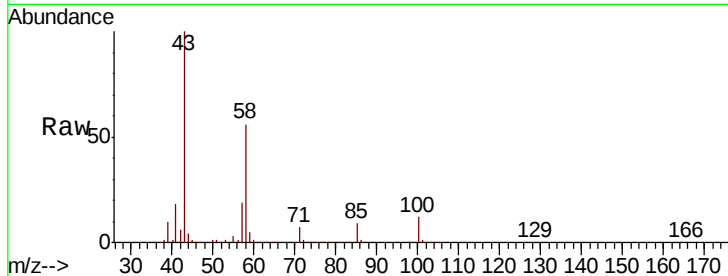




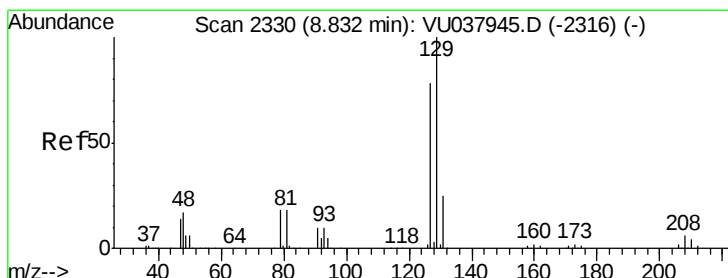
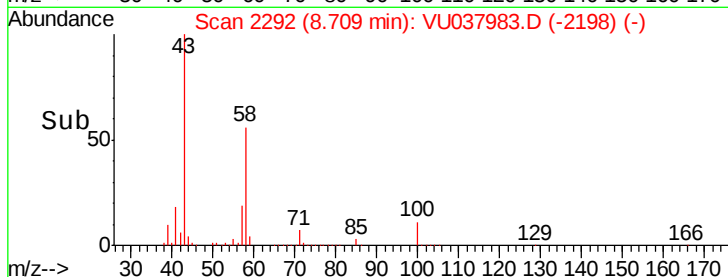
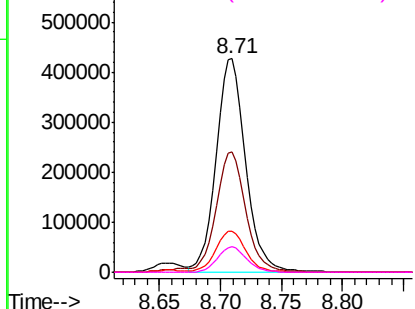
#48
2-Hexanone
Concen: 87.100 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 723553
Ion Ratio Lower Upper
43 100
58 56.4 46.4 69.6
57 19.7 16.4 24.6
100 12.0 9.5 14.3

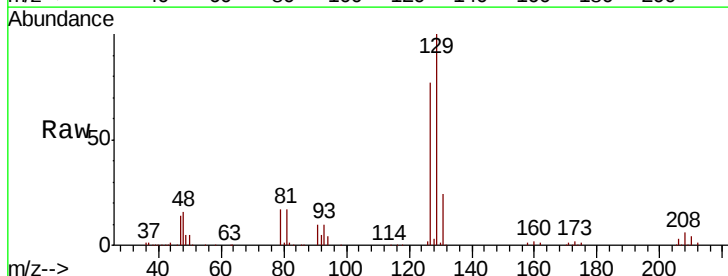


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

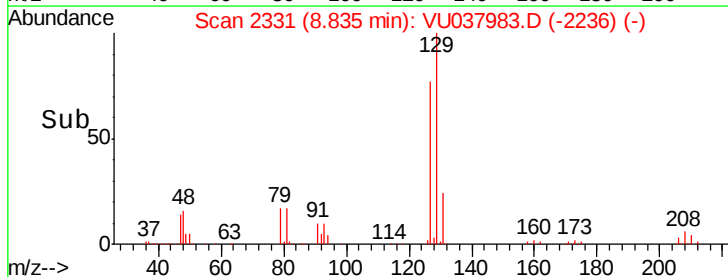
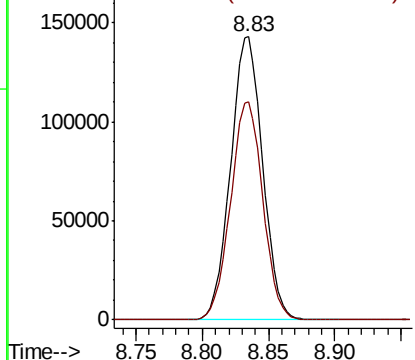


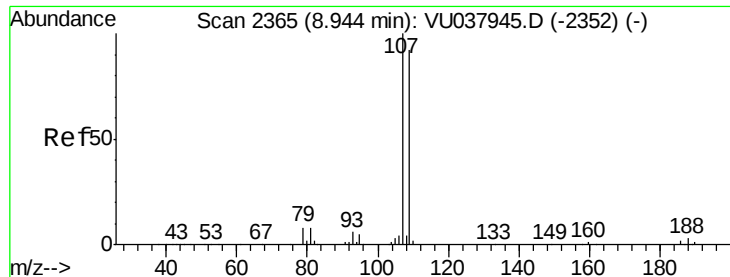
#49
Dibromochloromethane
Concen: 44.154 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.01 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Tgt Ion: 129 Resp: 239944
Ion Ratio Lower Upper
129 100
127 77.1 54.7 101.5



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

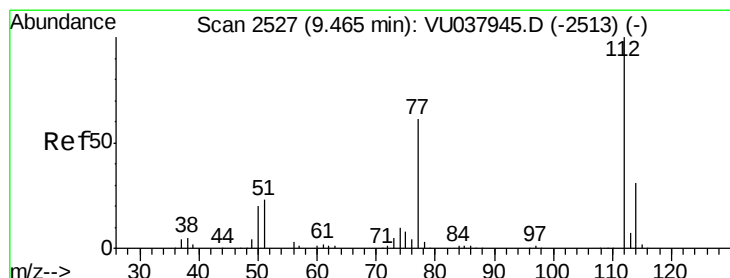
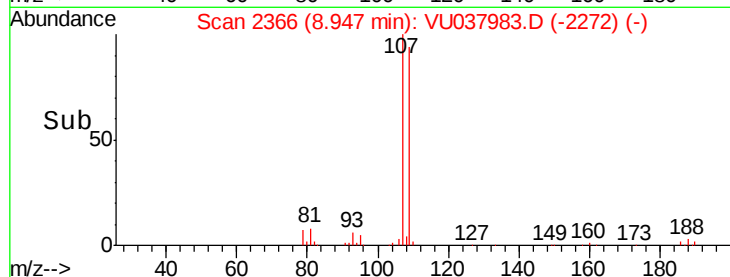
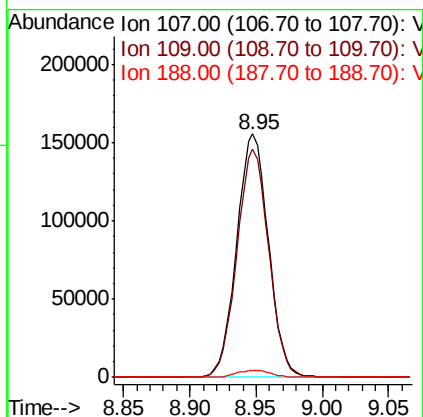
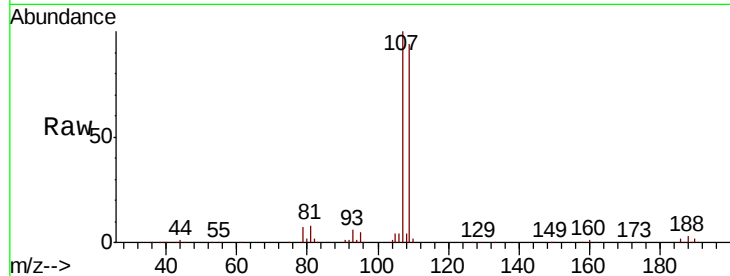




#50
 1,2-Dibromoethane
 Concen: 42.859 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

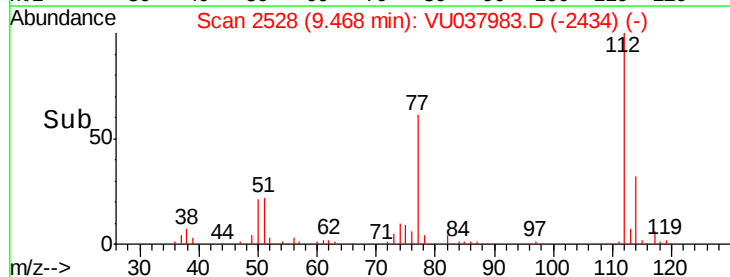
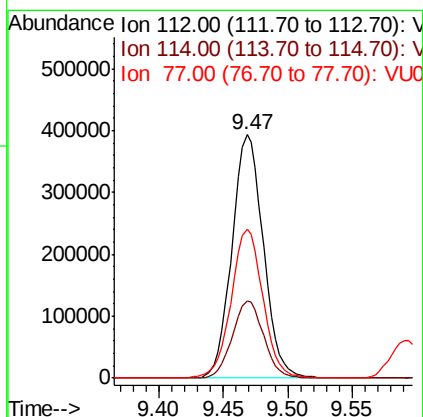
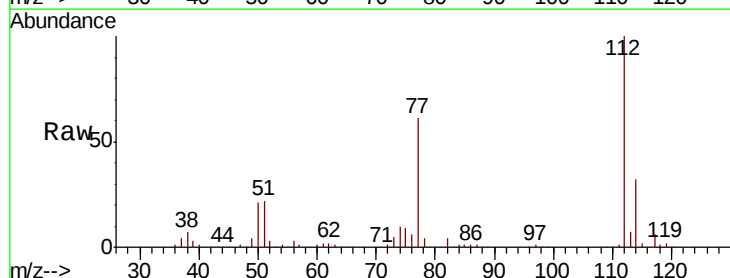
Instrument :
 MSVOA_U
 ClientSampleId :

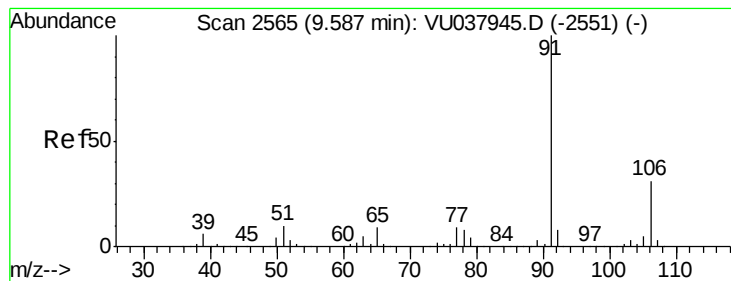
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	64.1	119.1
188	3.0	2.2	3.2



#51
 Chlorobenzene
 Concen: 43.735 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	21.6	40.2
77	61.4	49.3	73.9





#52

Ethylbenzene

Concen: 44.490 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

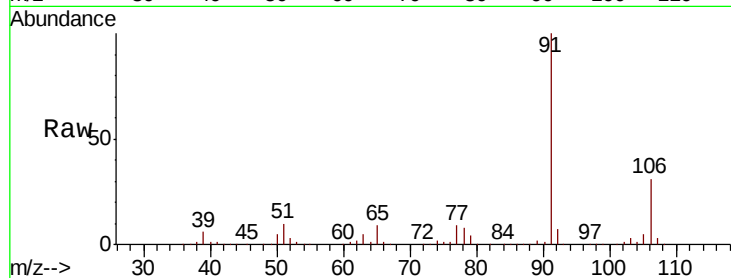
ClientSampled :

Tot Ion: 91 Resp: 1205736

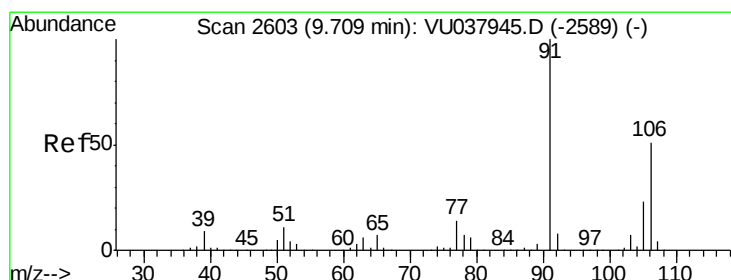
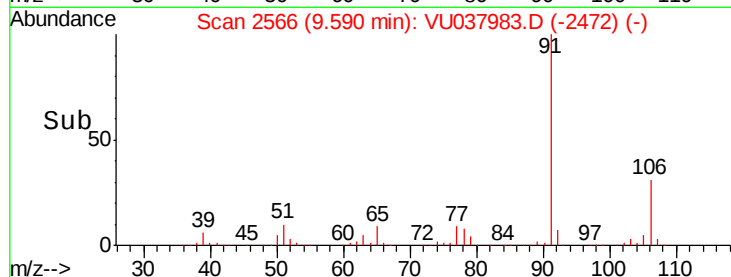
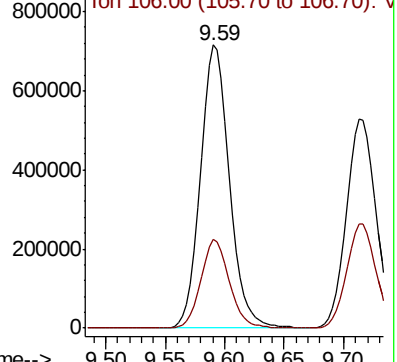
Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU037945.D (-2551) (-)



#53

m,p-Xylene

Concen: 44.959 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037983.D

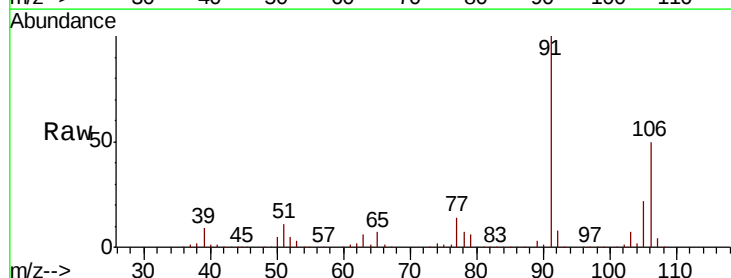
Acq: 01 May 2020 10:59

Tgt Ion: 106 Resp: 462631

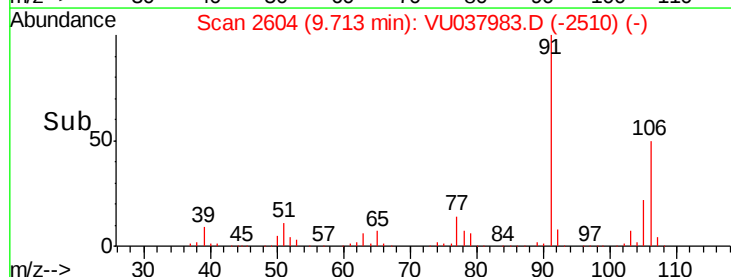
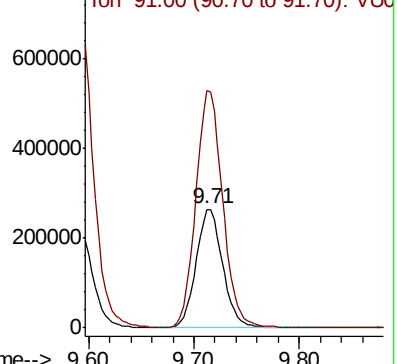
Ion Ratio Lower Upper

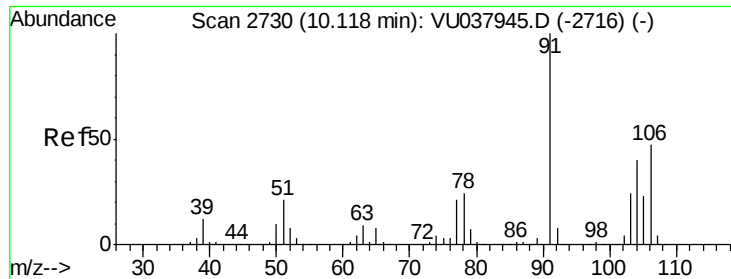
106 100

91 199.8 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU037983.D (-2510) (-)

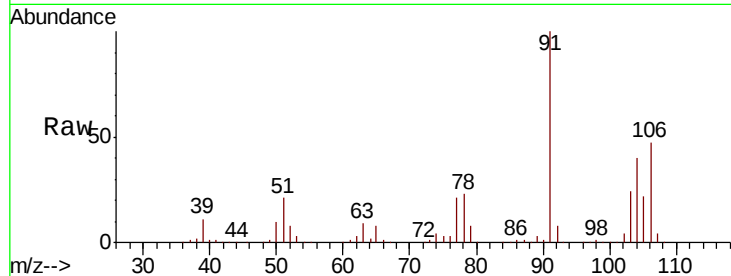




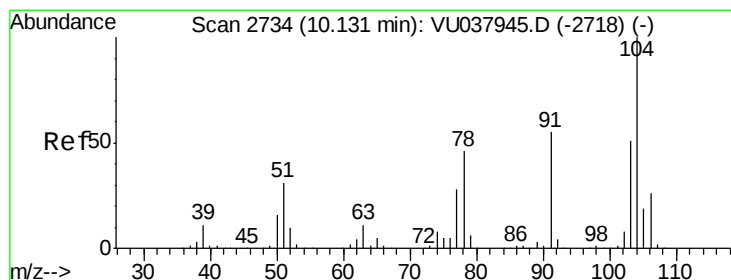
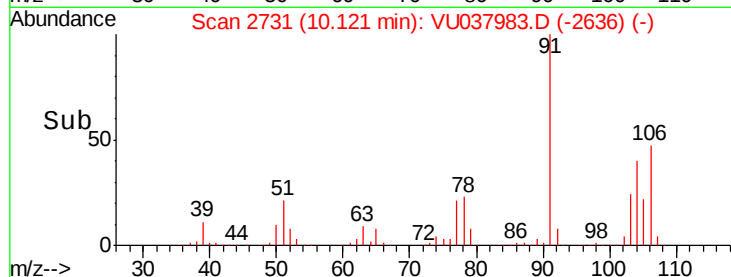
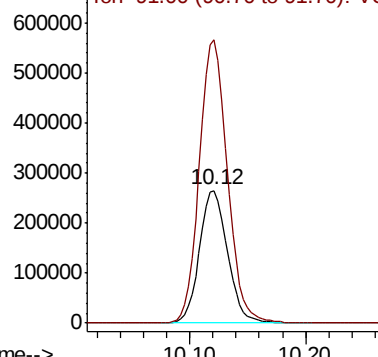
#54
o-xylene
Concen: 43.984 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.01 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 445607
Ion Ratio Lower Upper
106 100
91 213.5 149.4 277.4

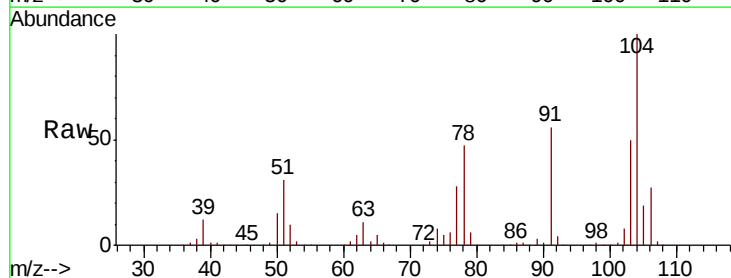


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

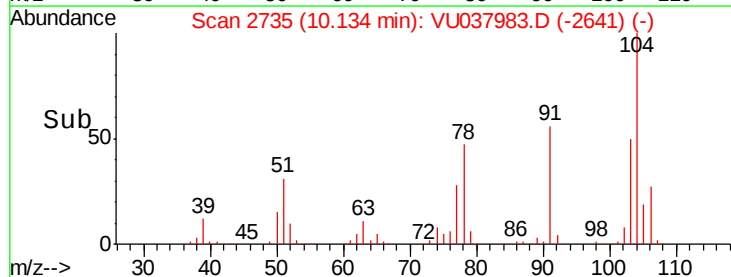
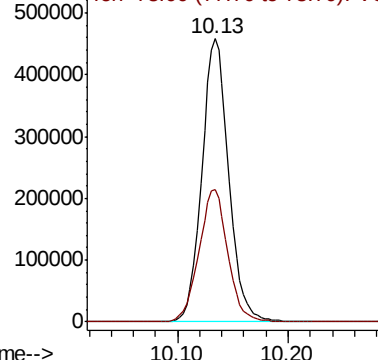


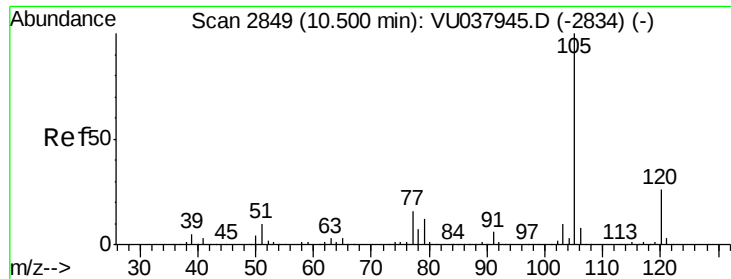
#55
Styrene
Concen: 44.771 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037983.D
Acq: 01 May 2020 10:59

Tgt Ion:104 Resp: 770438
Ion Ratio Lower Upper
104 100
78 46.8 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 44.619 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

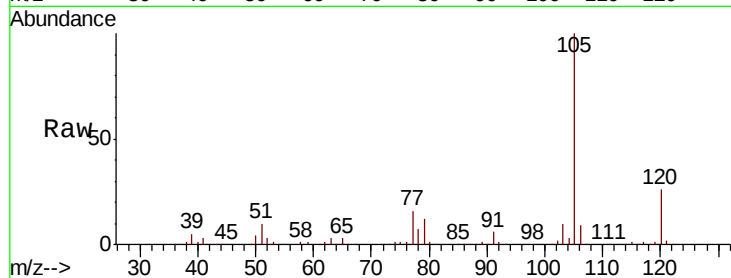
Tot Ion:105 Resp: 1163939

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

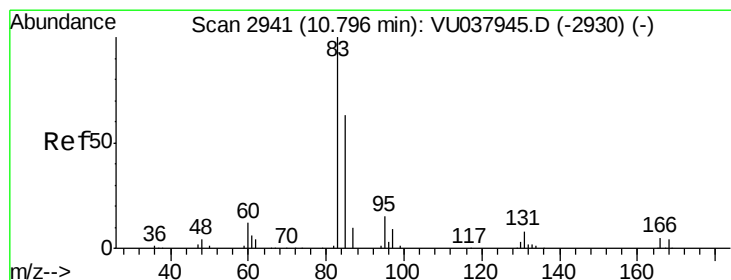
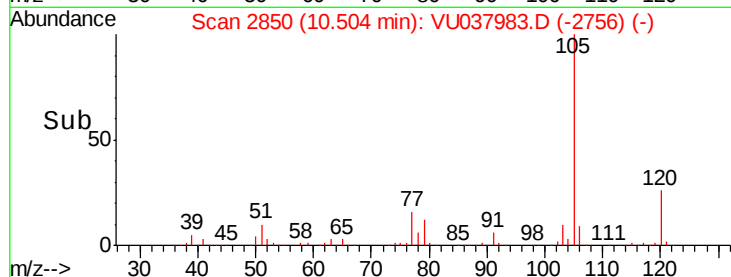
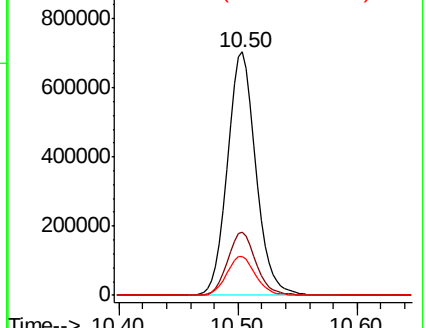
77 16.2 13.0 19.4



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: 42.067 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

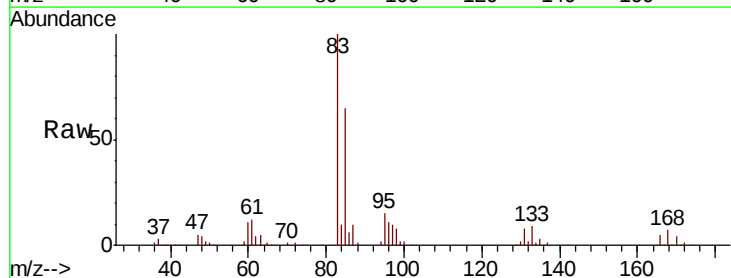
Tgt Ion: 83 Resp: 423172

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.3

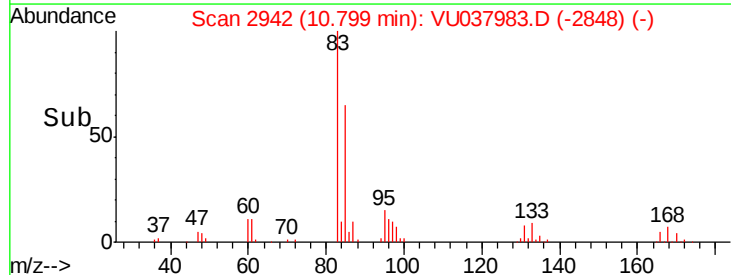
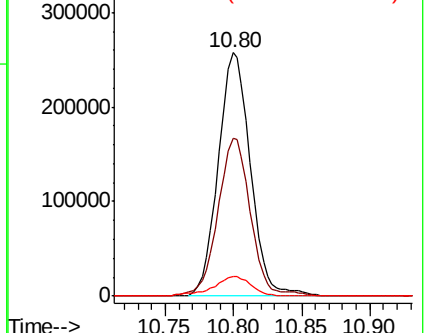
131 8.1 6.8 10.2

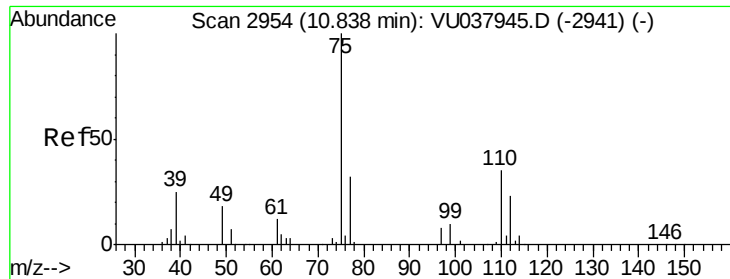


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 41.766 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

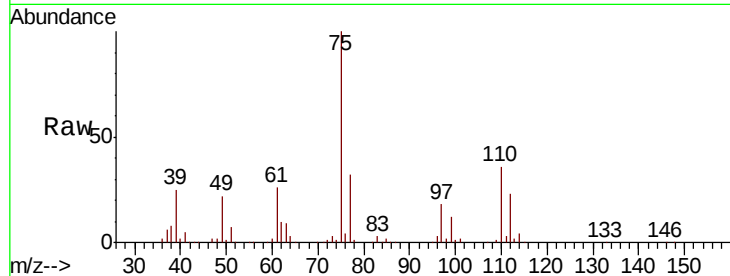
ClientSampleId :

Tot Ion: 75 Resp: 360290

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037945.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU037945.D (-2941) (-)

10.84

250000

200000

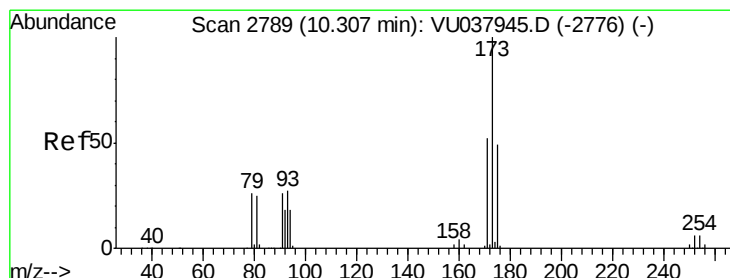
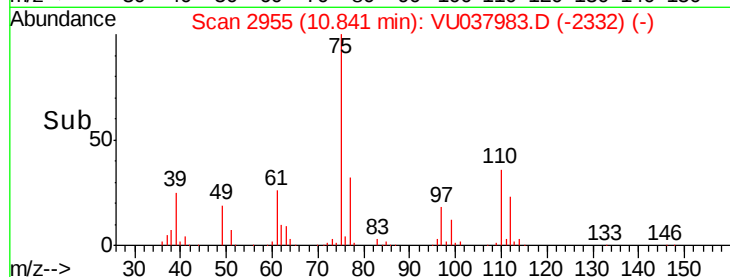
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 41.934 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

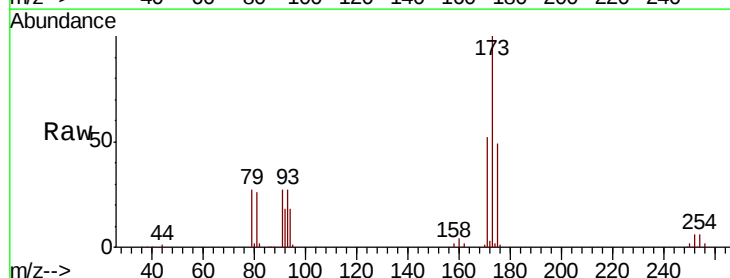
Tgt Ion: 173 Resp: 161317

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 6.0 4.7 7.1



Abundance Ion 173.00 (172.70 to 173.70): VU037945.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU037945.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU037945.D (-2776) (-)

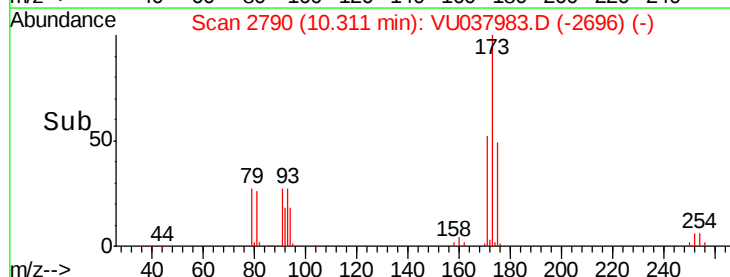
10.31

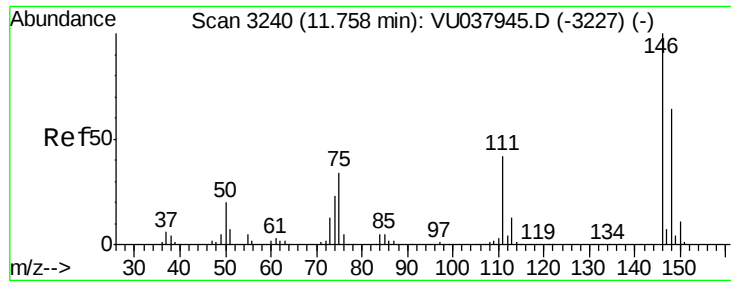
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 44.433 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

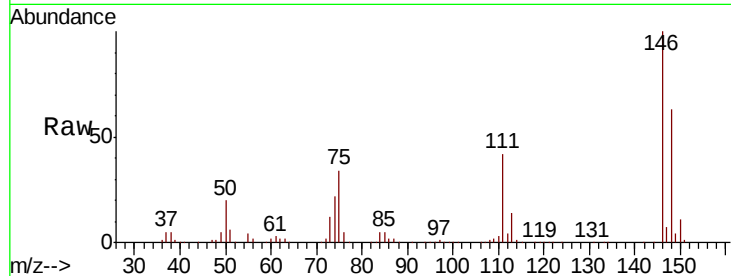
Tot Ion:146 Resp: 511811

Ion Ratio Lower Upper

146 100

111 42.2 29.2 54.2

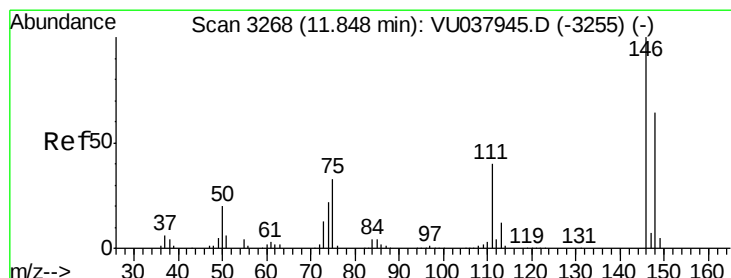
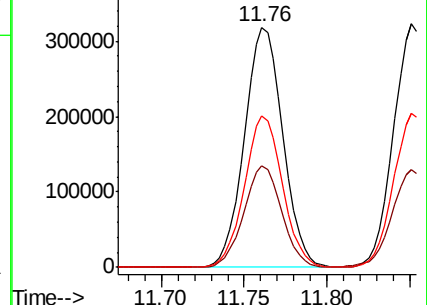
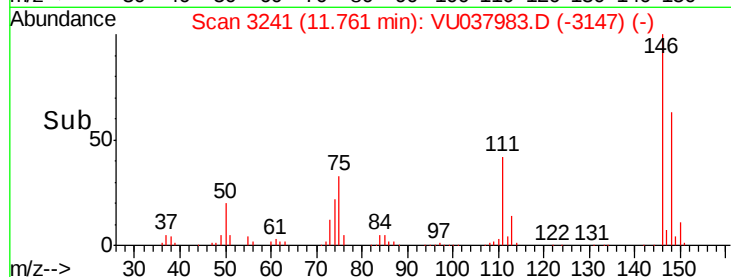
148 63.1 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 44.059 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

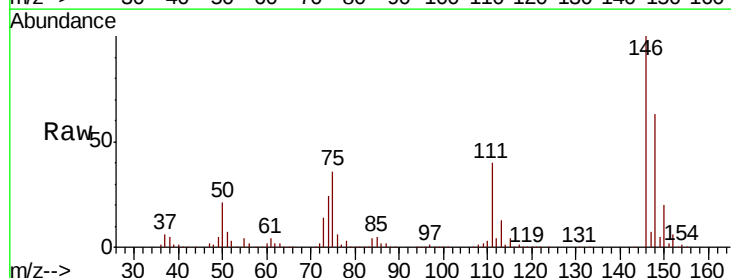
Tgt Ion:146 Resp: 512800

Ion Ratio Lower Upper

146 100

111 40.2 28.2 52.4

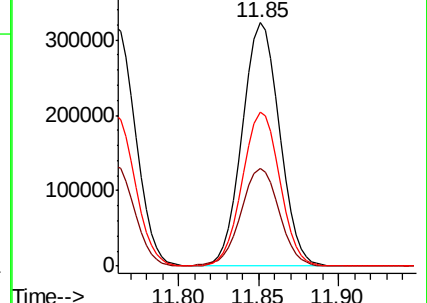
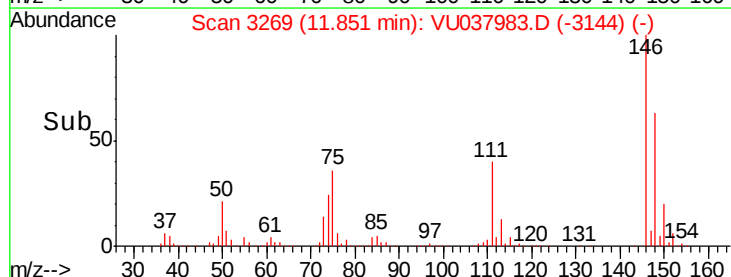
148 63.1 44.5 82.7

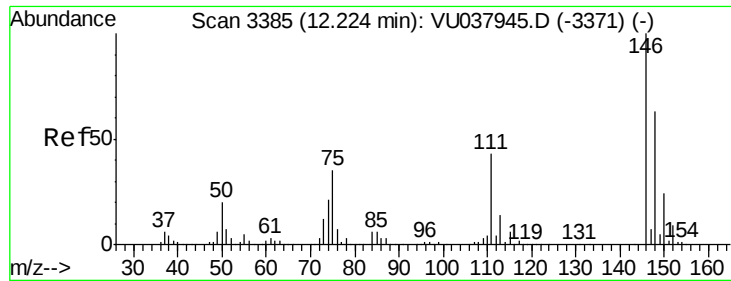


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

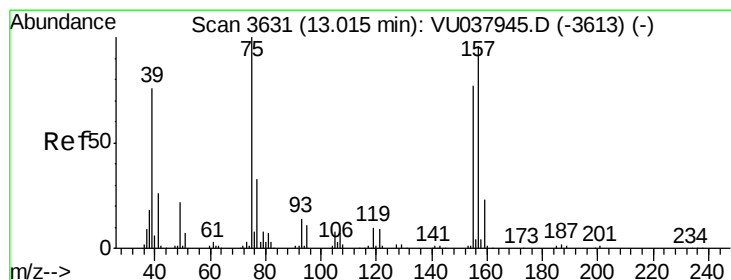
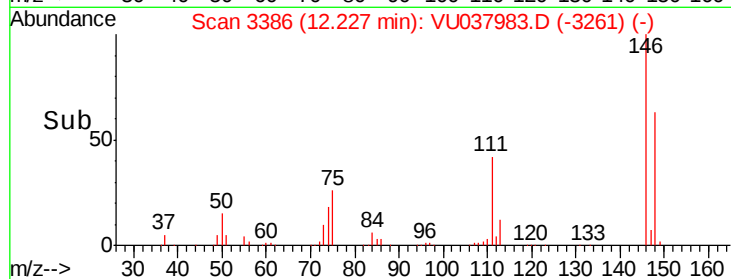
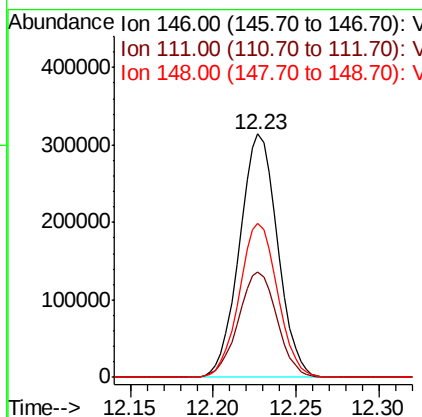
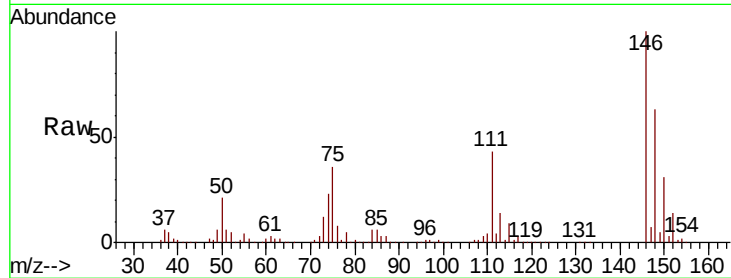




#65
 1,2-Dichlorobenzene
 Concen: 43.114 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

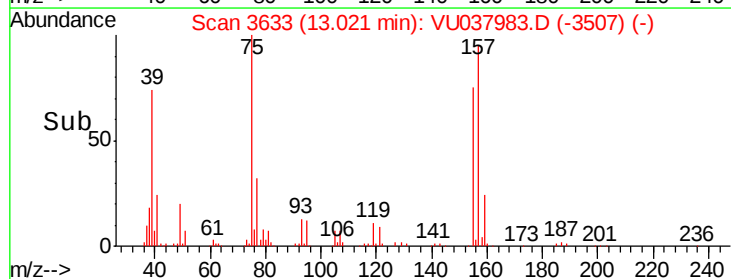
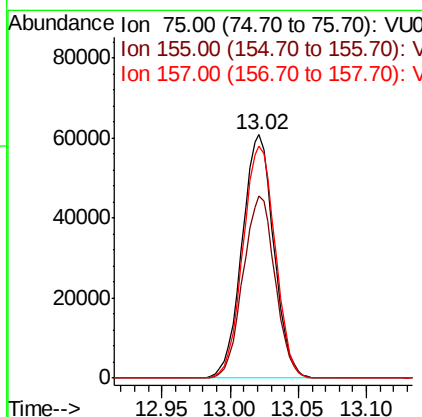
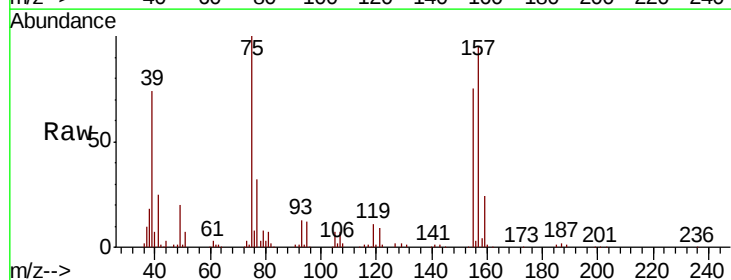
Instrument :
 MSVOA_U
 ClientSampleId :

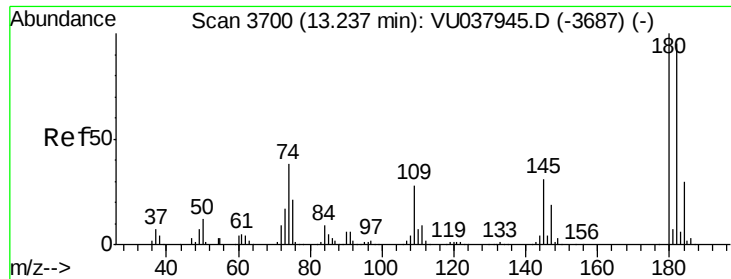
Tot Ion:146 Resp: 500992
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.6 51.8
 148 63.5 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 40.465 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

Tgt Ion: 75 Resp: 98148
 Ion Ratio Lower Upper
 75 100
 155 74.6 61.3 91.9
 157 95.2 76.9 115.3

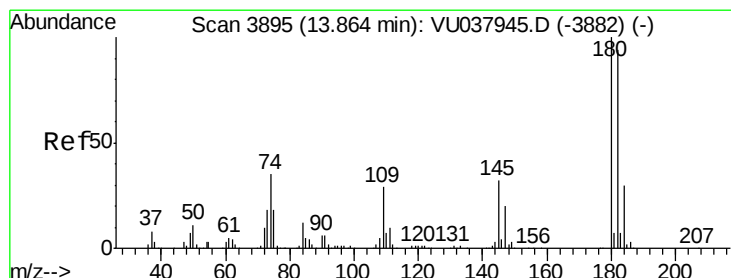
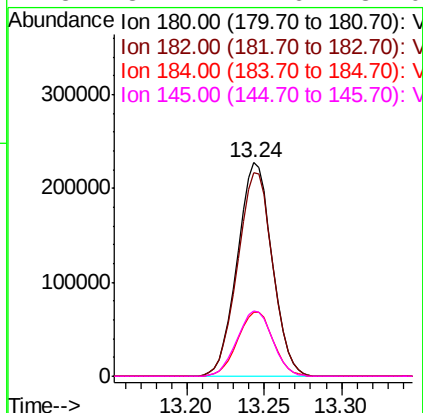
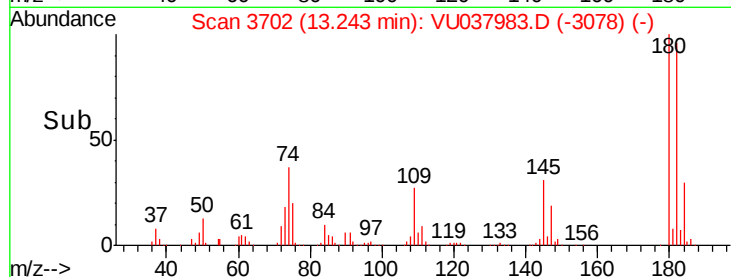
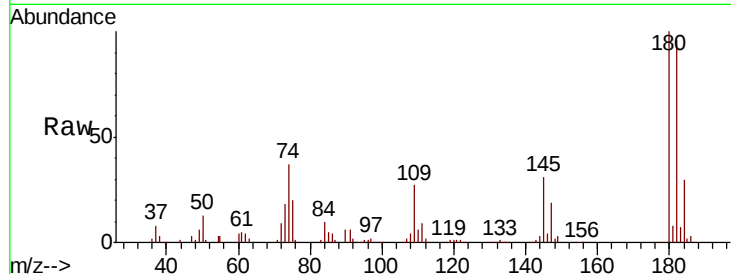




#67
 1,3,5-Trichlorobenzene
 Concen: 45.211 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

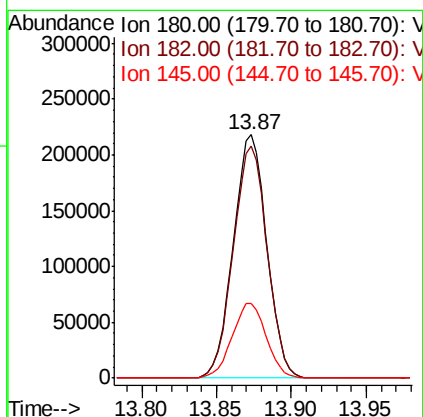
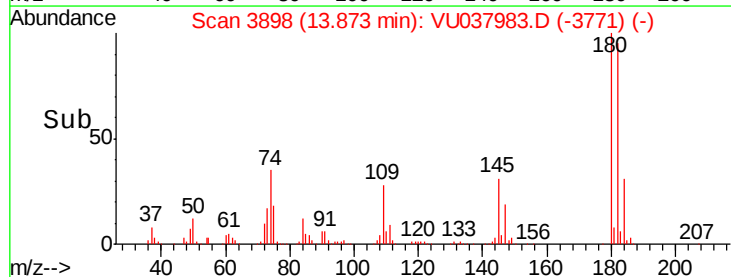
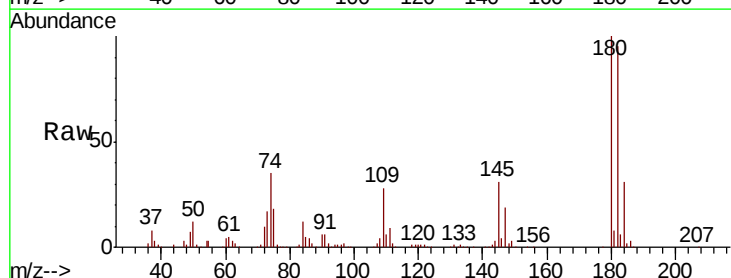
Instrument :
 MSVOA_U
 ClientSampleId :

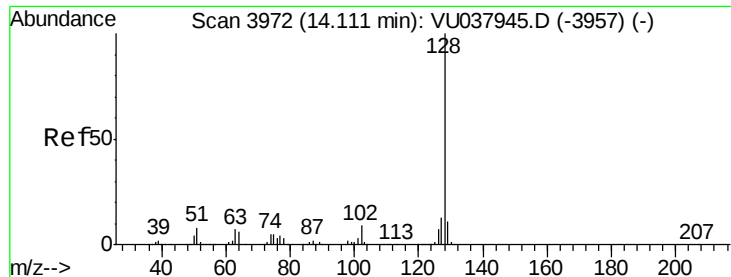
Tot Ion:	180	Resp:	355029
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.7	113.5
184	30.8	24.2	36.2
145	31.4	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 45.275 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037983.D
 Acq: 01 May 2020 10:59

Tgt Ion:	180	Resp:	340783
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.4	113.0
145	31.2	25.3	37.9





#69

Naphthalene

Concen: 44.099 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

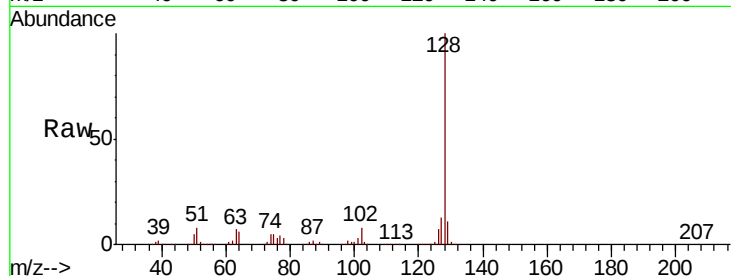
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 1273477

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.8	13.2

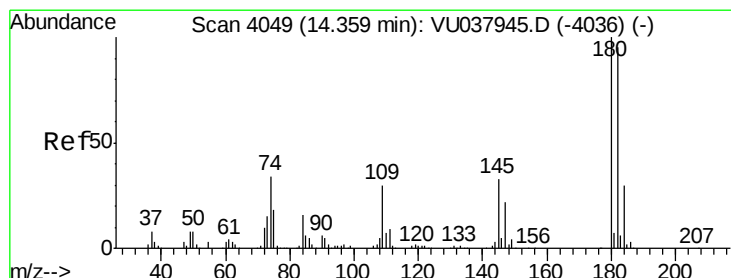
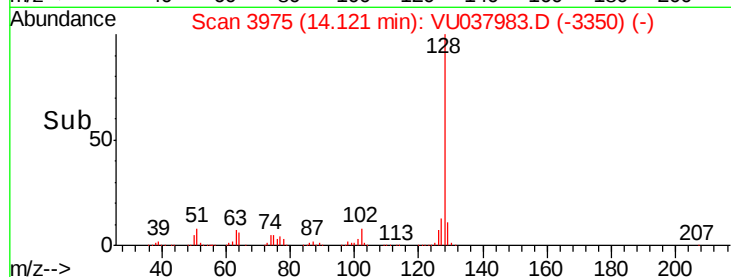
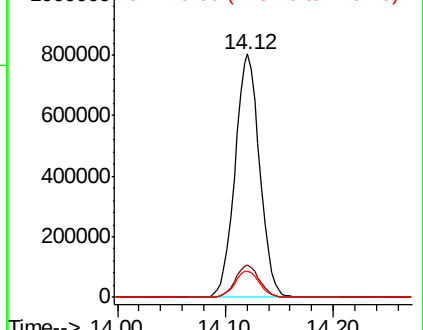


Abundance

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: 45.810 ug/L

RT: 14.37 min Scan# 4052

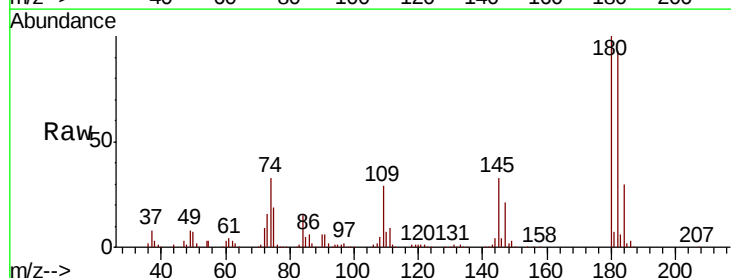
Delta R.T. 0.01 min

Lab File: VU037983.D

Acq: 01 May 2020 10:59

Tgt Ion:180 Resp: 339360

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.9	113.9
145	33.3	27.0	40.4



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

