

Data File : VU037821.D
Acq On : 21 Apr 2020 13:01
Operator : JC/MD
Sample : VSTD050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Apr 21 13:31:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:29:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	521354	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	504422	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	251152	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	220264	48.33	ug/L	0.00
7) Chloroethane-d5	1.93	69	180197	48.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	370681	49.91	ug/L	0.00
21) 2-Butanone-d5	4.66	46	377076	102.11	ug/L	0.00
24) Chloroform-d	5.10	84	359399	52.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	248104	53.32	ug/L	0.00
32) Benzene-d6	5.76	84	754731	50.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	255496	51.72	ug/L	0.00
41) Toluene-d8	7.92	98	689763	50.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	127959	47.92	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	269368	95.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	343297	49.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	252438	48.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	206767	50.628 ug/L	99
3) Chloromethane	1.54	50	202694	42.436 ug/L	100
5) Vinyl chloride	1.62	62	240389	48.093 ug/L	98
6) Bromomethane	1.87	94	91240	34.683 ug/L	99
8) Chloroethane	1.95	64	141469	47.675 ug/L	100
9) Trichlorofluoromethane	2.16	101	266237	49.322 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	155588	47.342 ug/L	98
12) 1,1-Dichloroethene	2.60	96	154491	46.354 ug/L	83
13) Acetone	2.66	43	230900	105.874 ug/L	100
14) Carbon disulfide	2.82	76	504412	44.180 ug/L	100
15) Methyl Acetate	2.98	43	261042	50.334 ug/L	96
16) Methylene chloride	3.08	84	184273	48.396 ug/L	93
17) trans-1,2-Dichloroethene	3.39	96	168369	47.090 ug/L	92
18) Methyl tert-butyl Ether	3.40	73	603756	48.916 ug/L	98
19) 1,1-Dichloroethane	3.91	63	355759	50.753 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	188605	47.975 ug/L	94
22) 2-Butanone	4.74	43	391695	102.614 ug/L	97
23) Bromochloromethane	5.02	128	92567	48.313 ug/L	94
25) Chloroform	5.13	83	330764	50.149 ug/L	97
27) 1,2-Dichloroethane	5.83	62	284921	52.229 ug/L	98
29) Cyclohexane	5.42	56	346897	50.010 ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	284278	49.721 ug/L	98
31) Carbon tetrachloride	5.56	117	228766	49.289 ug/L	99
33) Benzene	5.81	78	755721	49.230 ug/L	100
34) Trichloroethene	6.57	95	184354	48.786 ug/L	98
35) Methylcyclohexane	6.79	83	320599	47.815 ug/L	97
37) 1,2-Dichloropropane	6.82	63	213637	50.649 ug/L	99
38) Bromodichloromethane	7.13	83	257978	49.683 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	338367	49.011 ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	740318	98.826 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:29:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	795797	48.802	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	325145	48.586	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	181220	48.151	ug/L	99
46) Tetrachloroethene	8.57	164	132367	47.079	ug/L	96
48) 2-Hexanone	8.71	43	582042	98.399	ug/L	98
49) Dibromochloromethane	8.83	129	191187	47.373	ug/L	99
50) 1,2-Dibromoethane	8.94	107	195401	47.986	ug/L	98
51) Chlorobenzene	9.47	112	491824	48.295	ug/L	100
52) Ethylbenzene	9.59	91	886153	48.469	ug/L	100
53) m,p-Xylene	9.71	106	329325	47.439	ug/L	96
54) o-xylene	10.12	106	327449	47.560	ug/L	98
55) Styrene	10.13	104	561742	47.056	ug/L	98
56) Isopropylbenzene	10.50	105	865923	48.303	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	325017	48.364	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	281988	49.211	ug/L	99
61) Bromoform	10.31	173	147737	46.415	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	379471	46.940	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	383612	47.295	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	375312	47.108	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	85037	46.076	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	274652	46.465	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	264406	46.377	ug/L	99
69) Naphthalene	14.11	128	920252	43.746	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	258280	45.468	ug/L	98

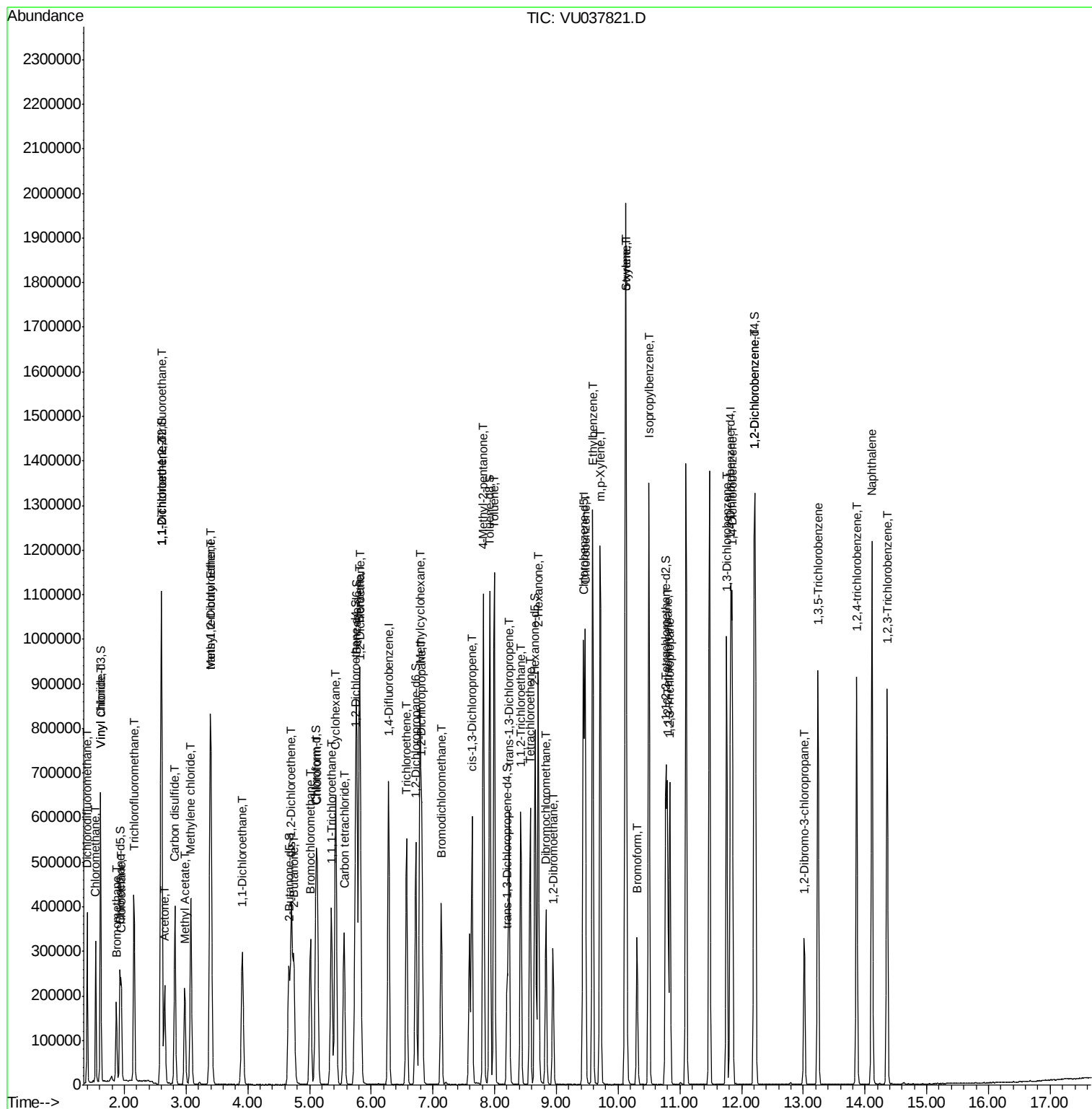
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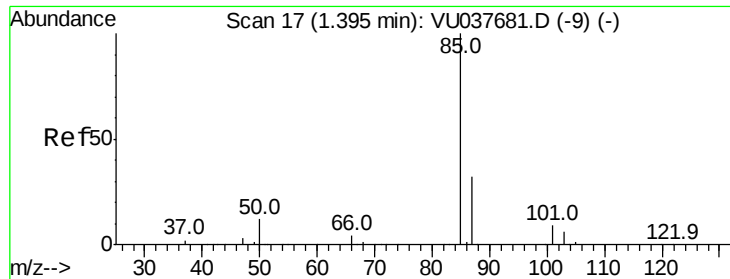
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Operator    : JC/MD
Sample      : VSTD050
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MSVOA_U
ClientSampleId :
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Quant Time: Apr 21 13:31:13 2020
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#2

Dichlorodifluoromethane

Concen: 50.628 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

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Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

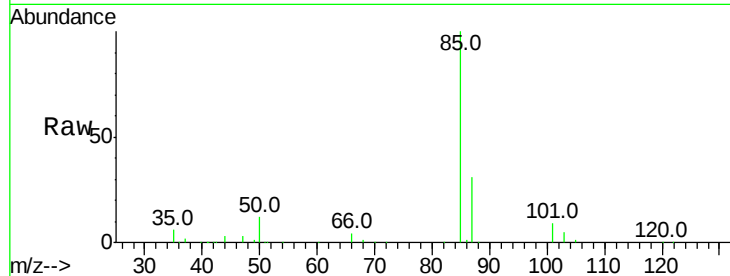
VSTD05034

Tgt Ion: 85 Resp: 206767

Ion Ratio Lower Upper

85 100

87 31.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037681.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037681.D (-9) (-)

1.40

200000

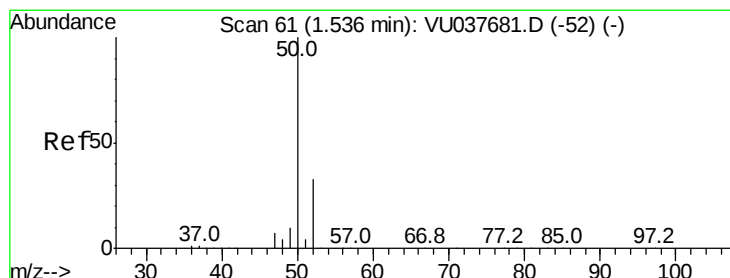
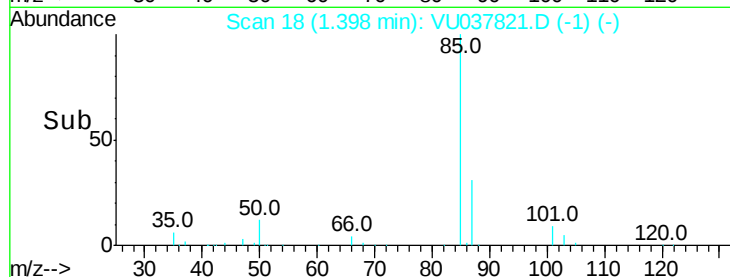
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 42.436 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037821.D

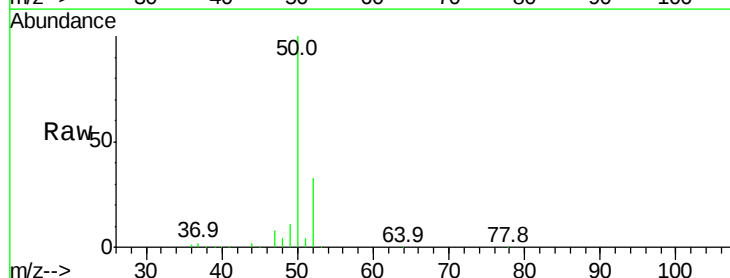
Acq: 21 Apr 2020 13:01

Tgt Ion: 50 Resp: 202694

Ion Ratio Lower Upper

50 100

52 33.2 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037681.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037681.D (-52) (-)

1.54

200000

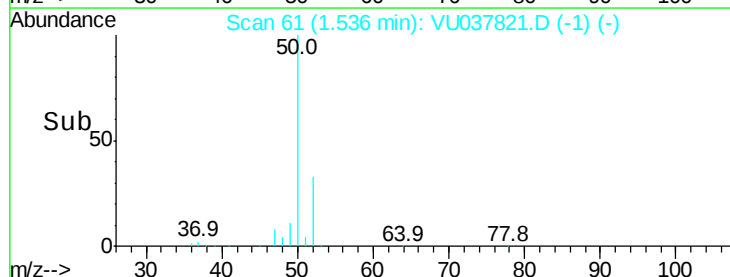
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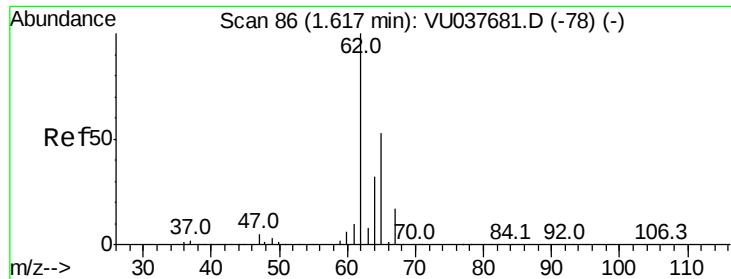
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 48.093 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

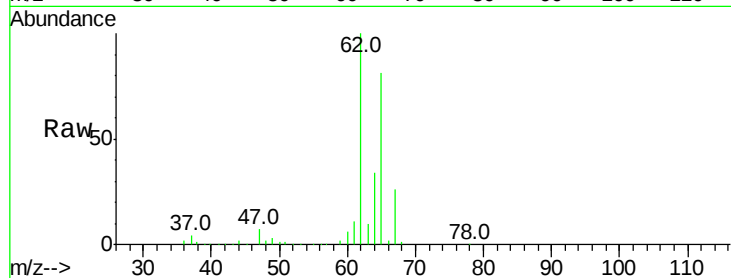
VSTD05034

Tgt Ion: 62 Resp: 240389

Ion Ratio Lower Upper

62 100

64 33.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.62

250000

200000

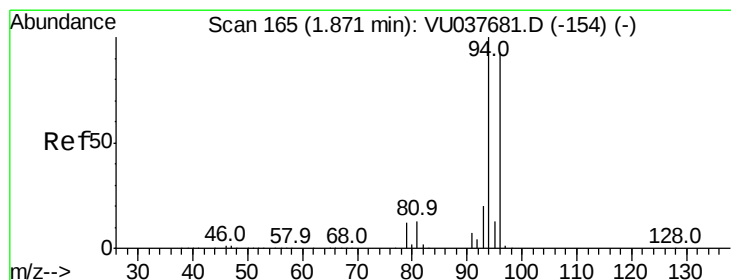
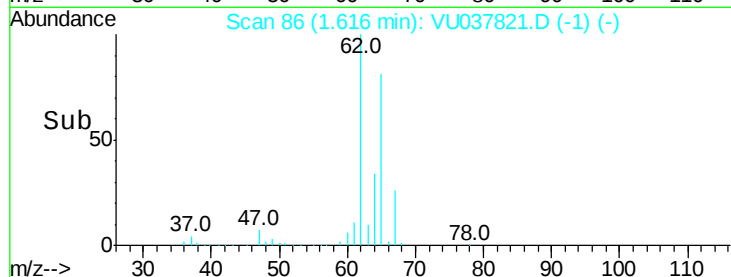
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 34.683 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037821.D

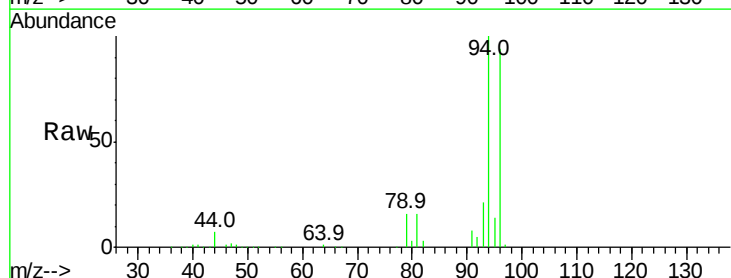
Acq: 21 Apr 2020 13:01

Tgt Ion: 94 Resp: 91240

Ion Ratio Lower Upper

94 100

96 94.3 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

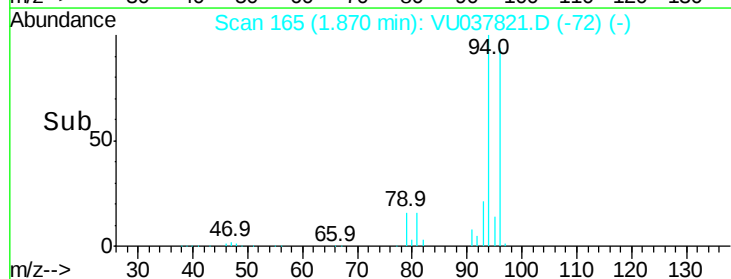
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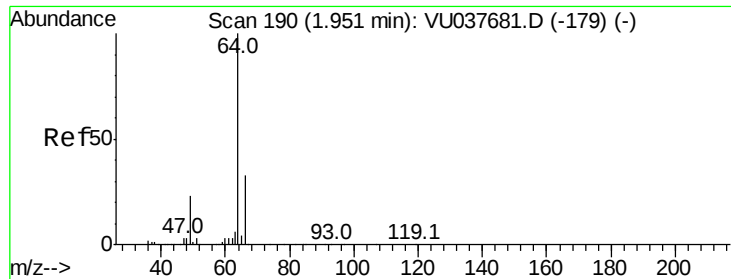
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Time-->

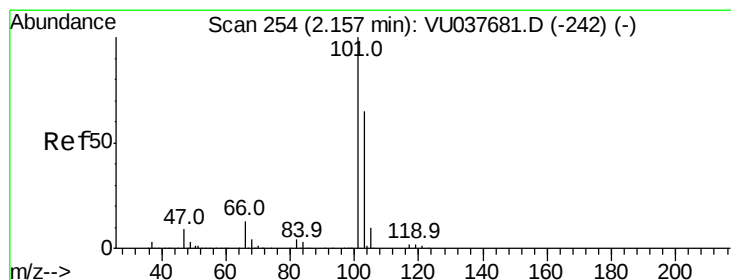
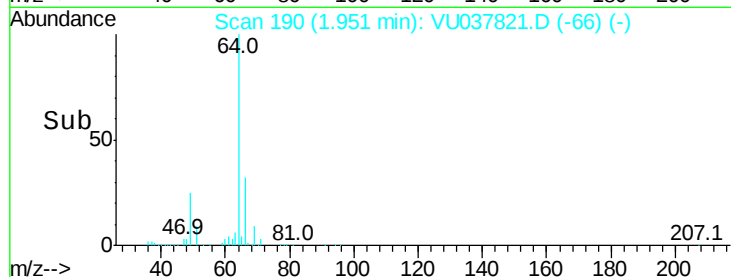
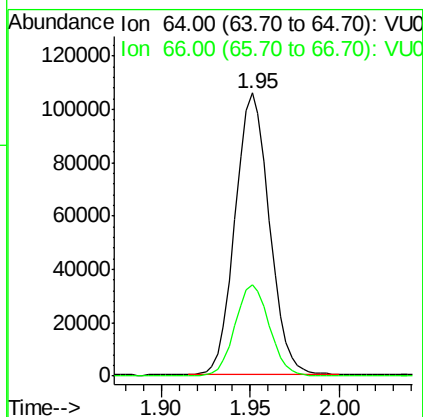
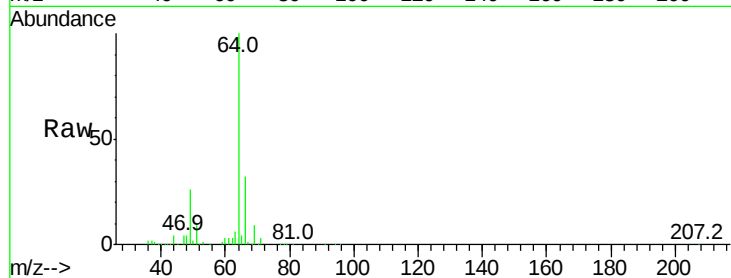




#8
Chloroethane
Concen: 47.675 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

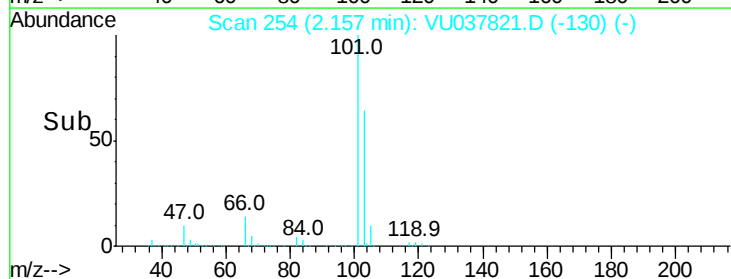
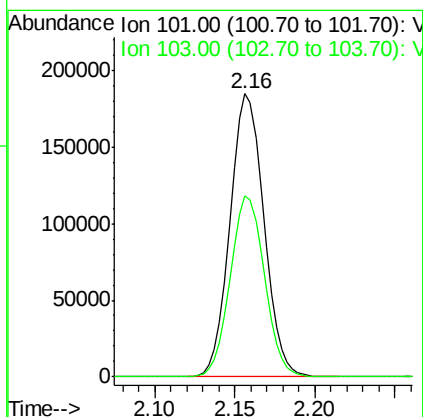
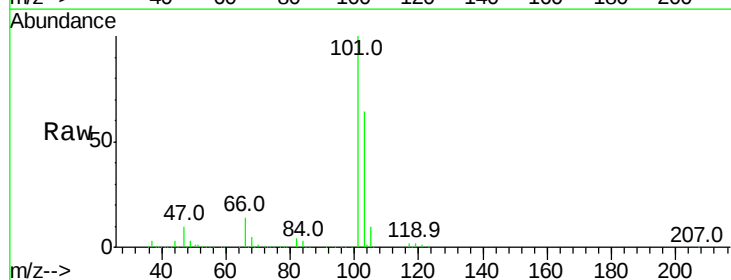
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

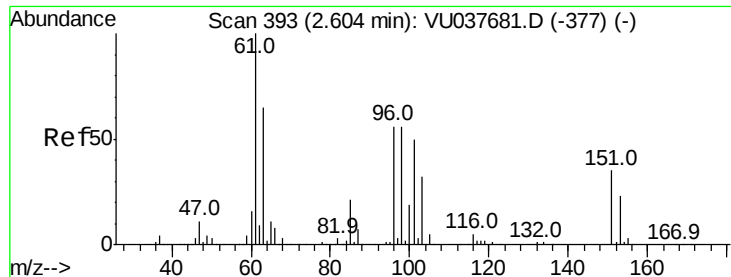
Tgt Ion: 64 Resp: 141469
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 49.322 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

Tgt Ion: 101 Resp: 266237
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.2





#10

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

Concen: 47.342 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

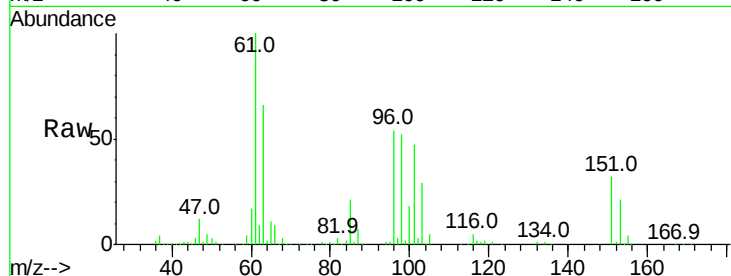
Tgt Ion: 101 Resp: 155588

Ion Ratio Lower Upper

101 100

85 44.1 34.5 51.7

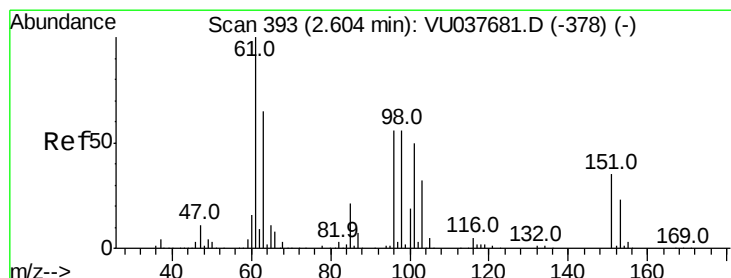
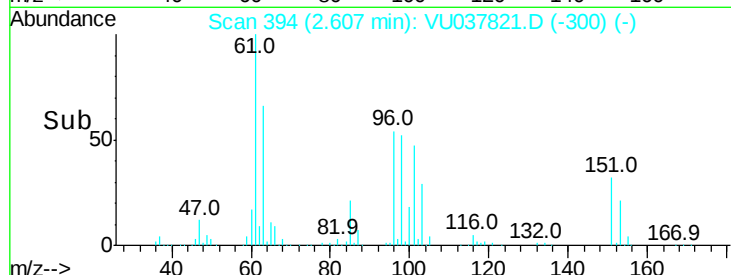
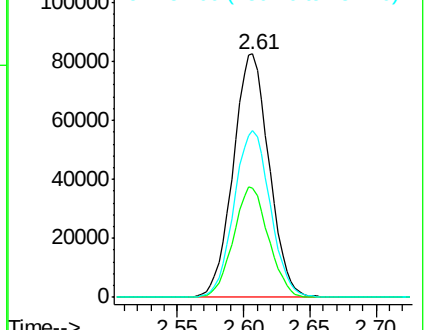
151 69.0 56.8 85.2



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: 46.354 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

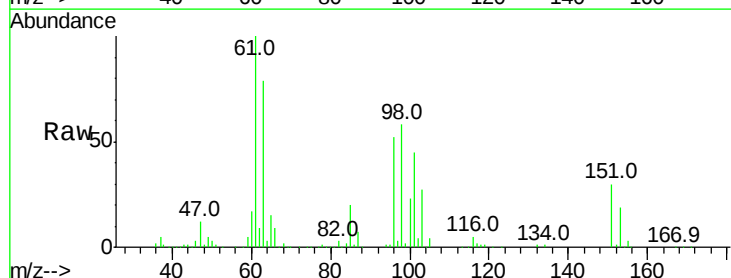
Tgt Ion: 96 Resp: 154491

Ion Ratio Lower Upper

96 100

61 192.1 123.6 229.6

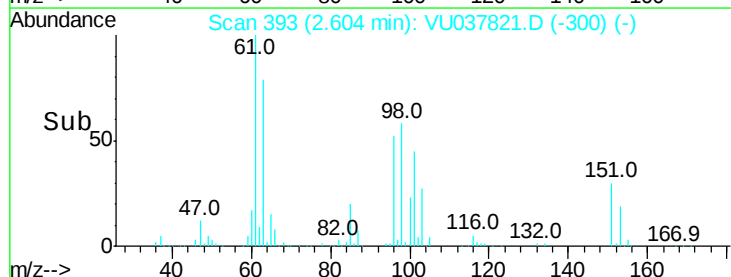
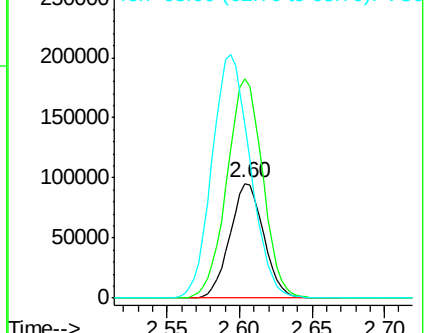
63 152.3 85.7 159.1

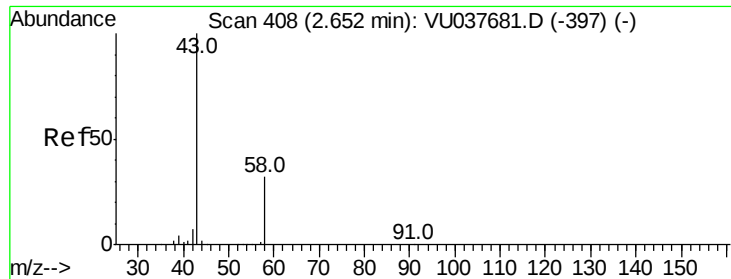


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 105.874 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

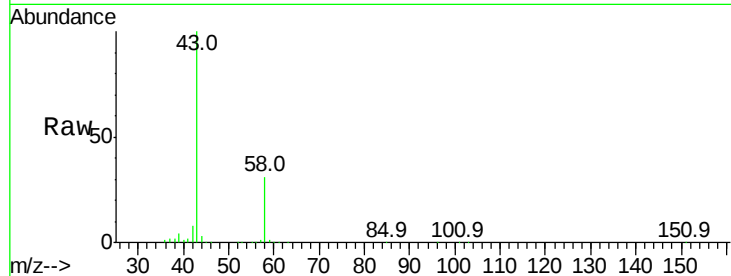
VSTD05034

Tgt Ion: 43 Resp: 230900

Ion Ratio Lower Upper

43 100

58 31.5 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VU037821.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037821.D (-397) (-)

2.66

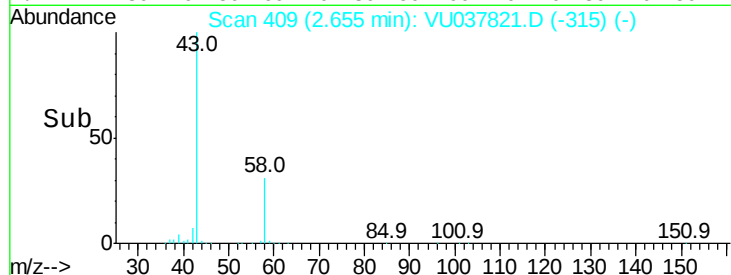
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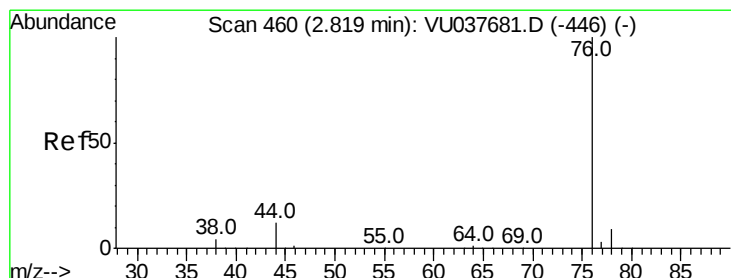
50000

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Time-->



Time-->



#14

Carbon disulfide

Concen: 44.180 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037821.D

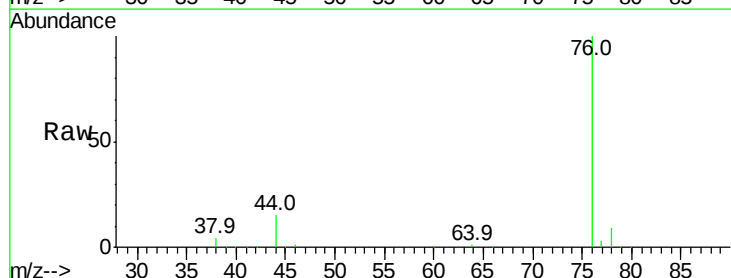
Acq: 21 Apr 2020 13:01

Tgt Ion: 76 Resp: 504412

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU037821.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037821.D (-367) (-)

2.82

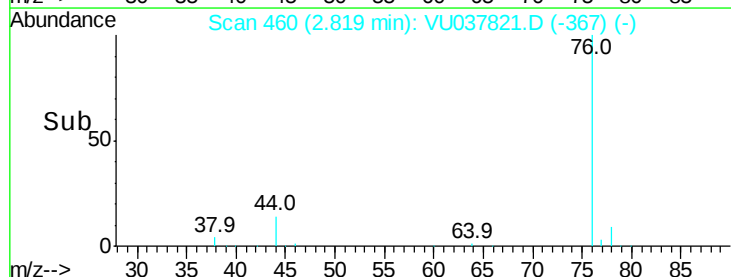
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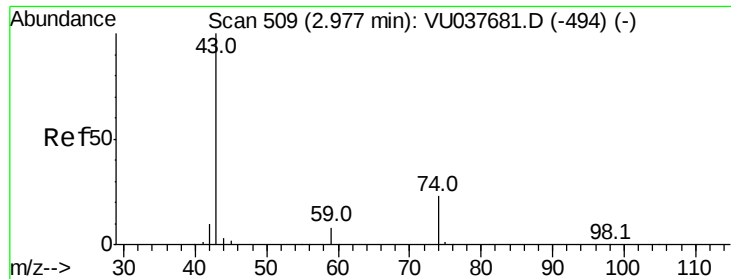
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100000

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Time-->

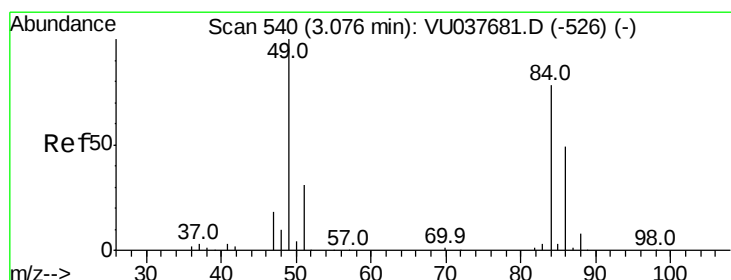
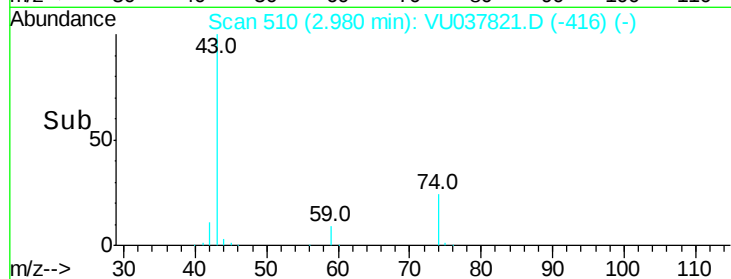
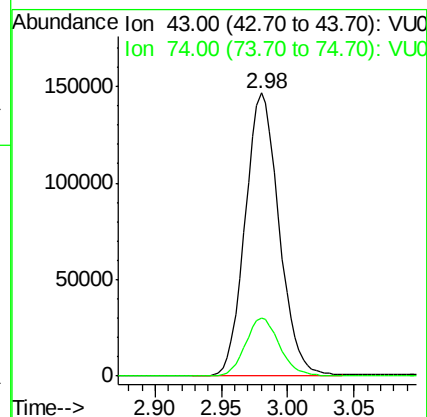
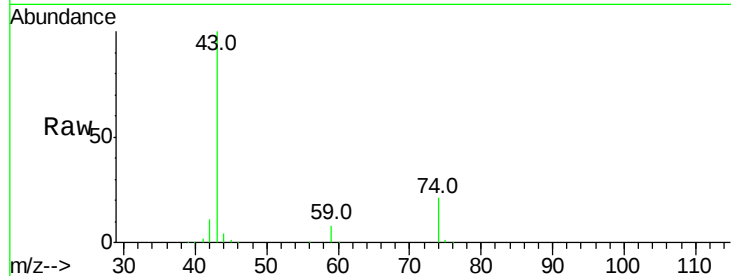




#15
Methyl Acetate
Concen: 50.334 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

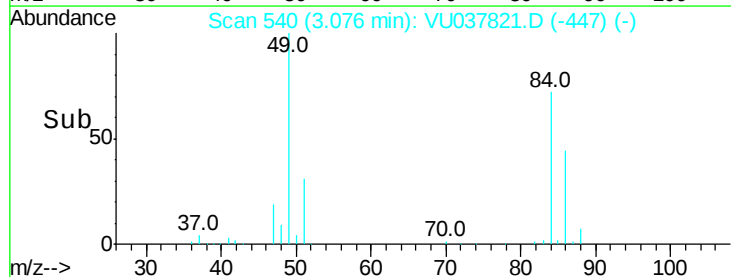
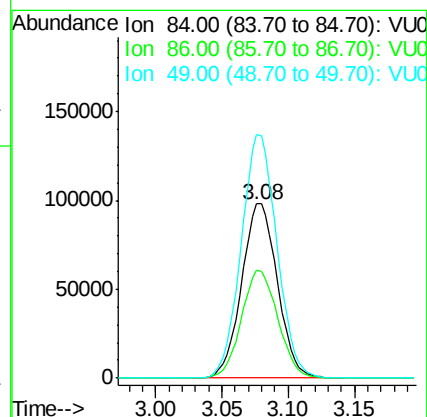
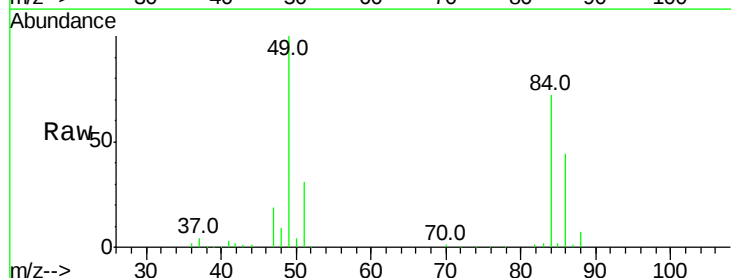
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

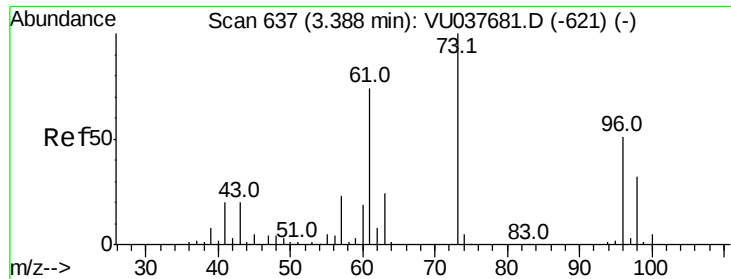
Tgt Ion: 43 Resp: 261042
Ion Ratio Lower Upper
43 100
74 20.7 17.9 26.9



#16
Methylene chloride
Concen: 48.396 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

Tgt Ion: 84 Resp: 184273
Ion Ratio Lower Upper
84 100
86 61.7 44.1 81.9
49 139.7 90.3 167.7





#17

trans-1,2-Dichloroethene

Concen: 47.090 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

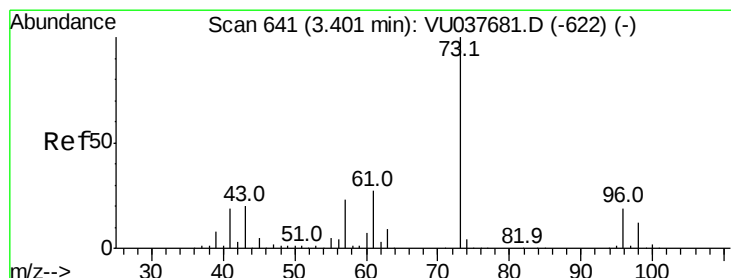
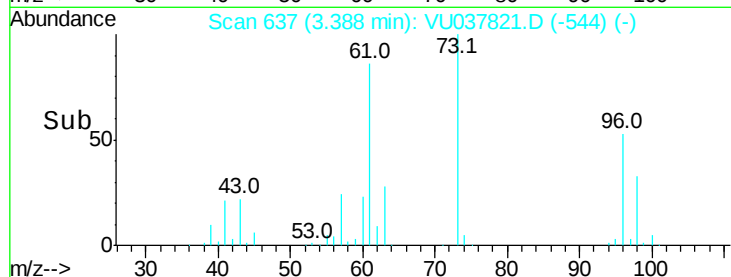
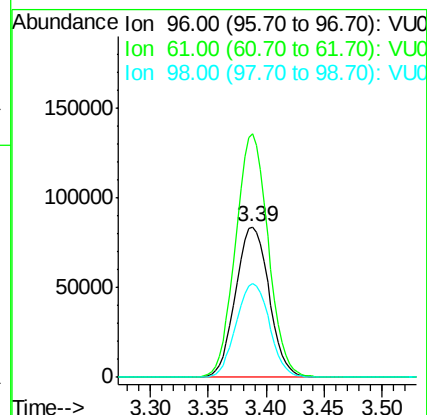
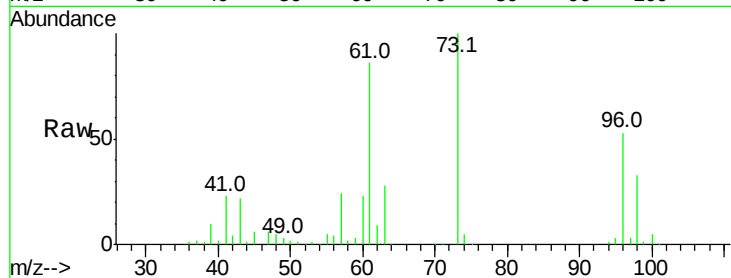
Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion: 96 Resp: 168369

Ion	Ratio	Lower	Upper
96	100		
61	161.6	103.2	191.6
98	62.1	43.1	80.1



#18

Methyl tert-butyl Ether

Concen: 48.916 ug/L

RT: 3.40 min Scan# 642

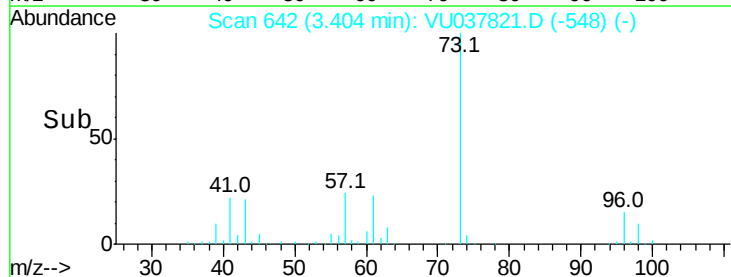
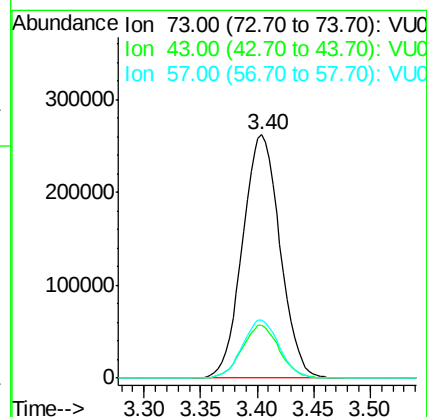
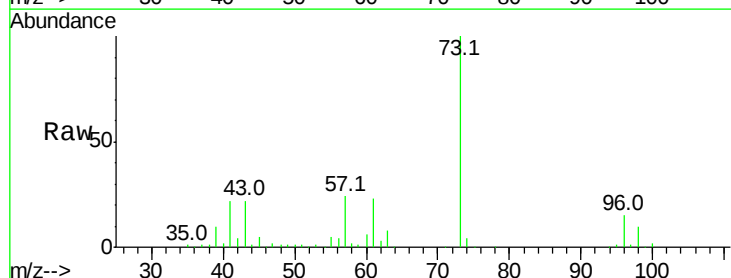
Delta R.T. 0.00 min

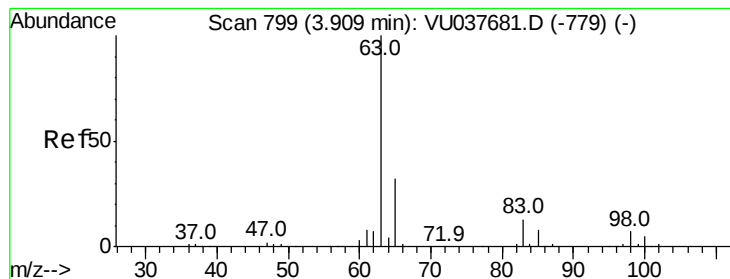
Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Tgt Ion: 73 Resp: 603756

Ion	Ratio	Lower	Upper
73	100		
43	21.5	16.3	24.5
57	23.6	18.3	27.5





#19

1,1-Dichloroethane

Concen: 50.753 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

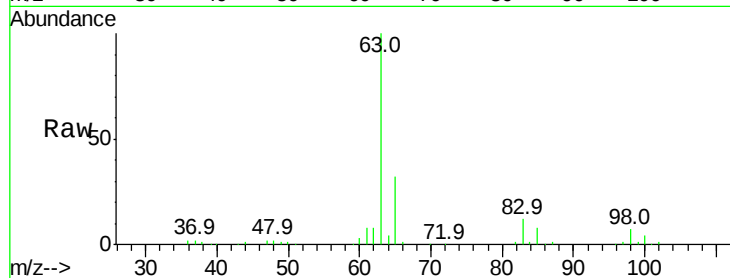
Tgt Ion: 63 Resp: 355759

Ion Ratio Lower Upper

63 100

65 31.9 21.9 40.7

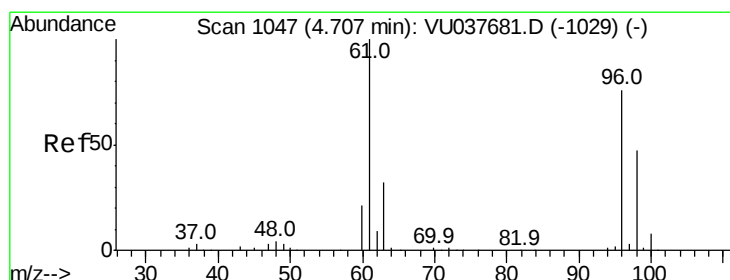
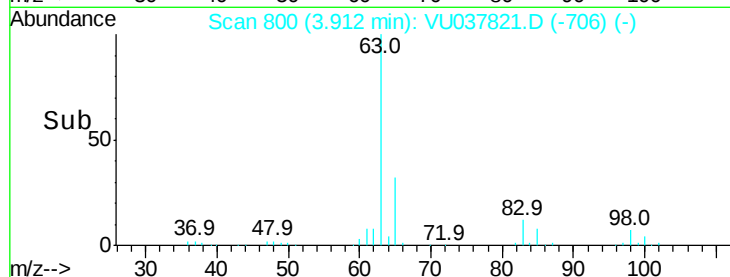
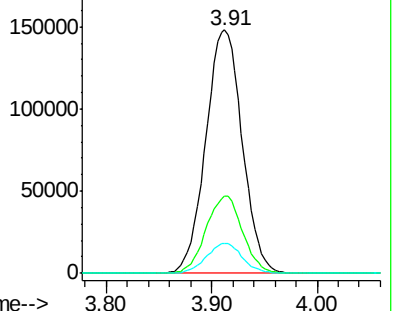
83 12.4 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VU037821.D (-800) (-)

Ion 65.00 (64.70 to 65.70): VU037821.D (-800) (-)

Ion 83.00 (82.70 to 83.70): VU037821.D (-800) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.975 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

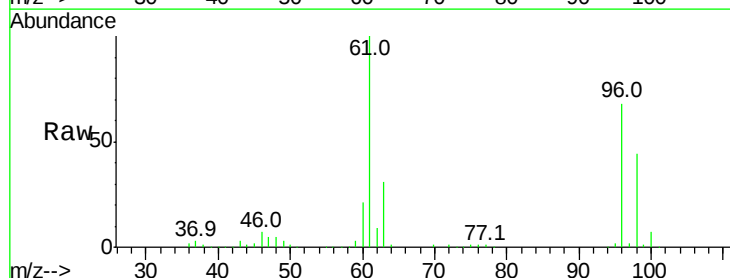
Tgt Ion: 96 Resp: 188605

Ion Ratio Lower Upper

96 100

61 146.5 97.5 181.1

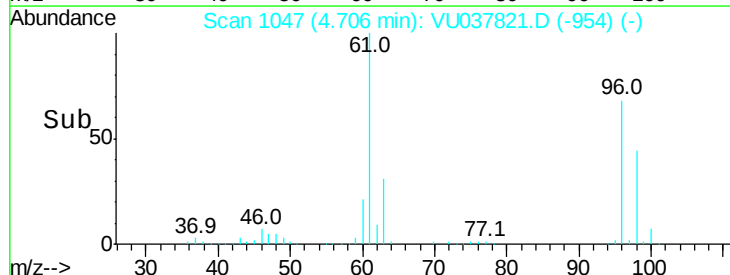
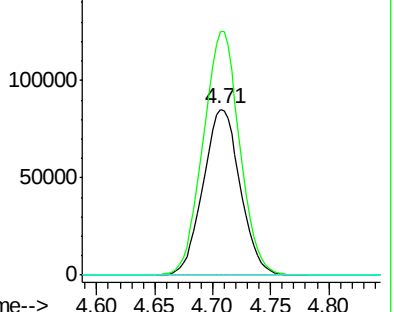
68 0.0 0.0 0.0

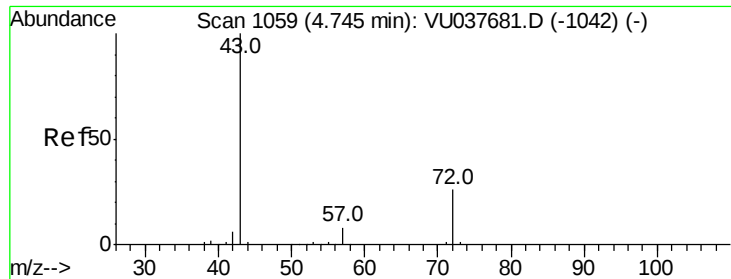


Abundance Ion 96.00 (95.70 to 96.70): VU037821.D (-1047) (-)

Ion 61.00 (60.70 to 61.70): VU037821.D (-1047) (-)

Ion 68.00 (67.70 to 68.70): VU037821.D (-1047) (-)





#22

2-Butanone

Concen: 102.614 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

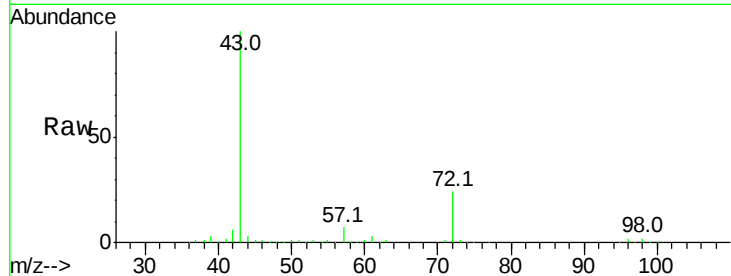
VSTD05034

Tgt Ion: 43 Resp: 391695

Ion Ratio Lower Upper

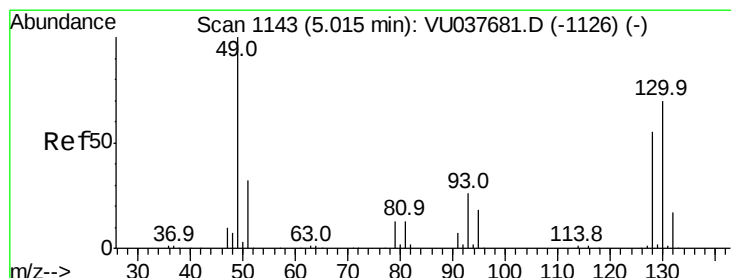
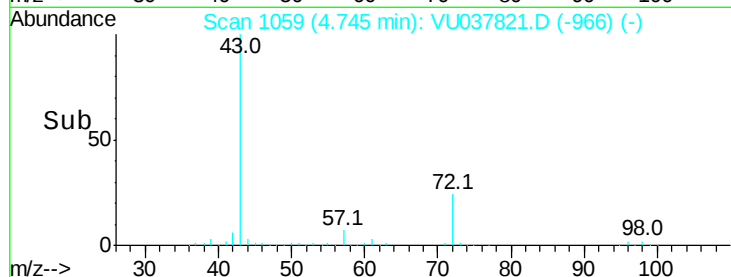
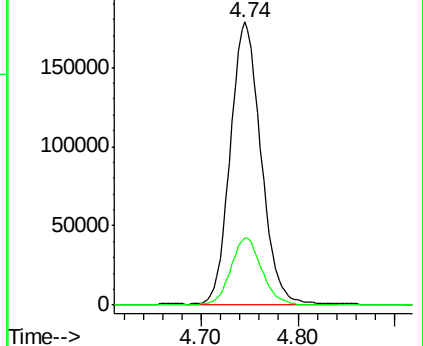
43 100

72 24.3 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU037821.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037821.D (-966) (-)



#23

Bromochloromethane

Concen: 48.313 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Tgt Ion: 128 Resp: 92567

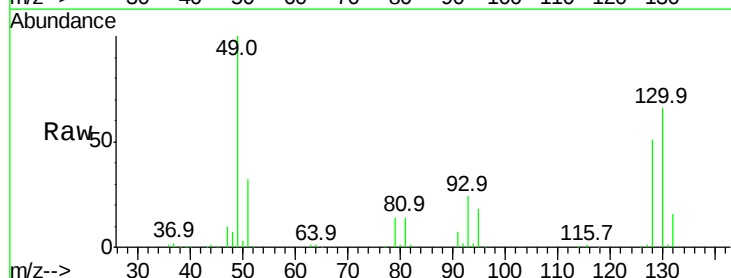
Ion Ratio Lower Upper

128 100

49 197.6 128.7 238.9

130 130.1 89.9 167.0

51 63.0 46.4 69.6

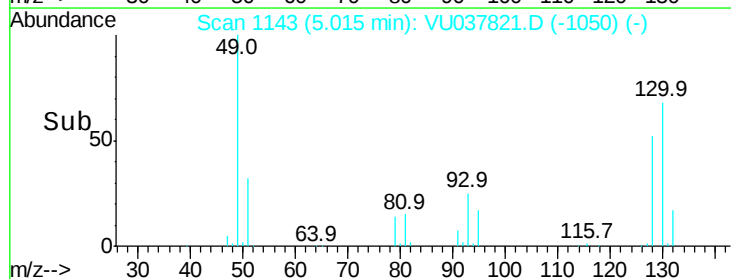
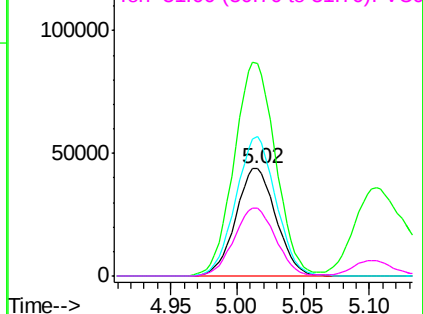


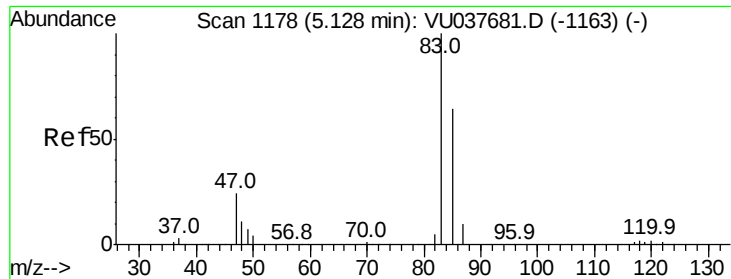
Abundance Ion 128.00 (127.70 to 128.70): VU037821.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU037821.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU037821.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU037821.D (-1050) (-)

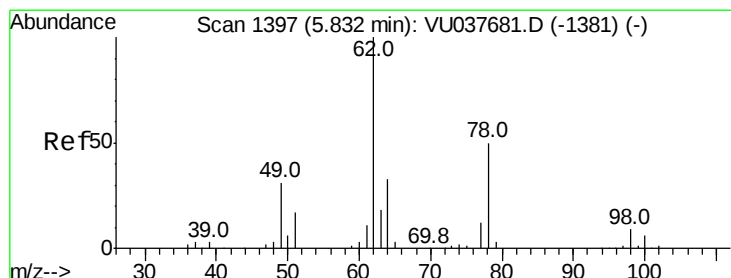
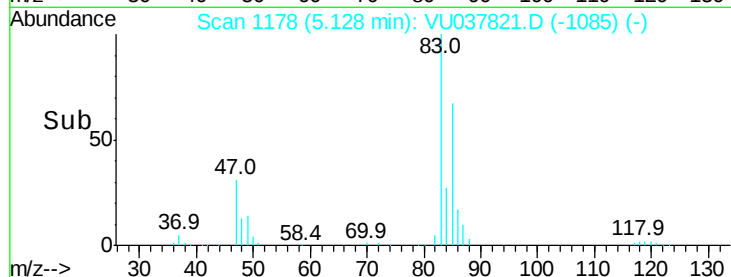
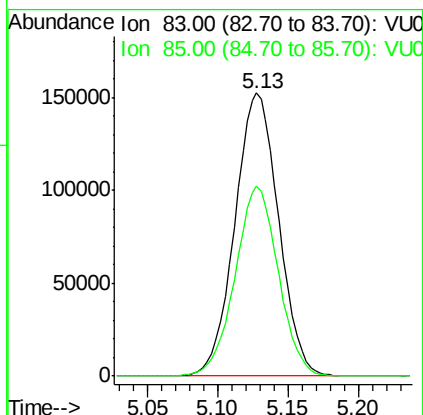
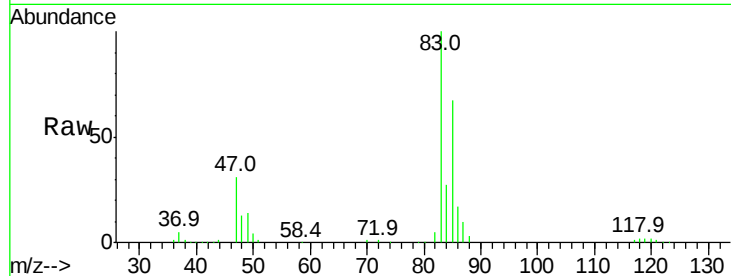




#25
Chloroform
Concen: 50.149 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

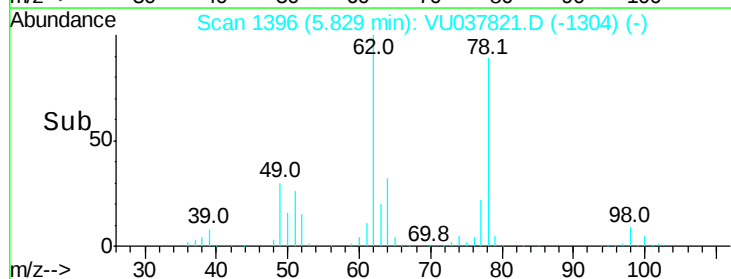
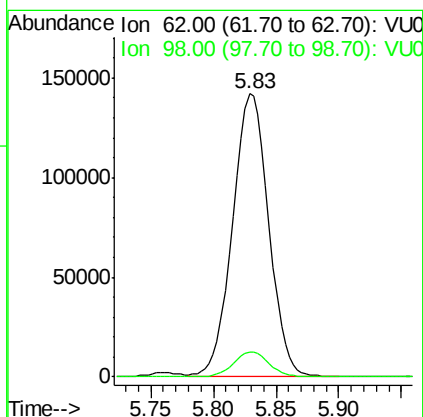
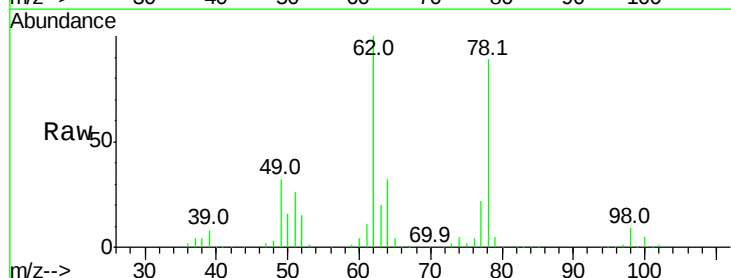
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

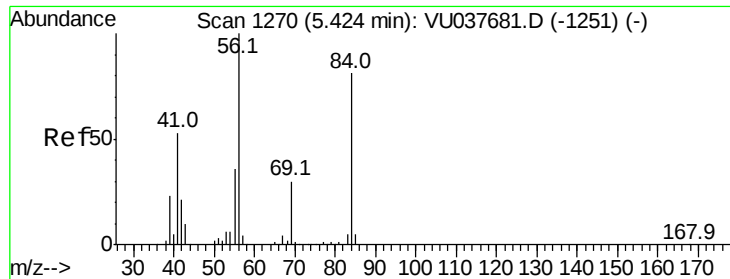
Tgt Ion: 83 Resp: 330764
Ion Ratio Lower Upper
83 100
85 67.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 52.229 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

Tgt Ion: 62 Resp: 284921
Ion Ratio Lower Upper
62 100
98 8.8 7.8 11.6

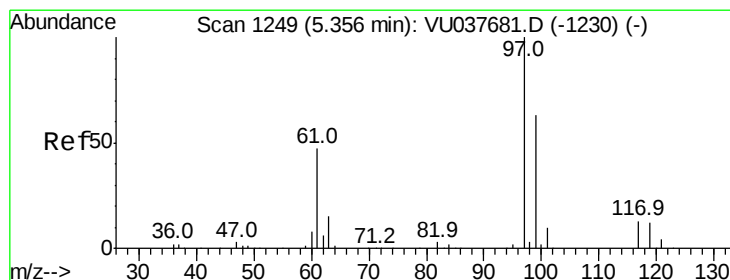
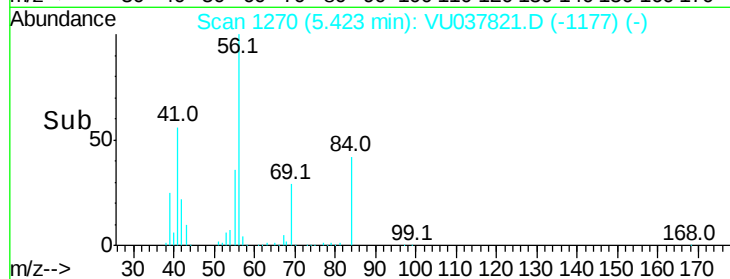
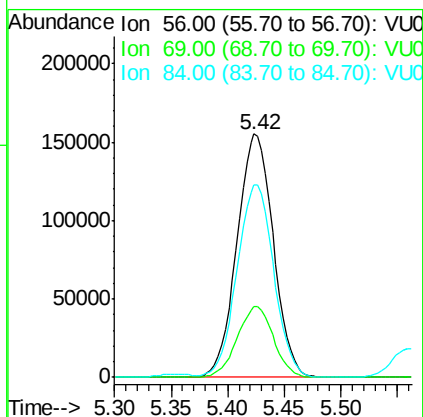
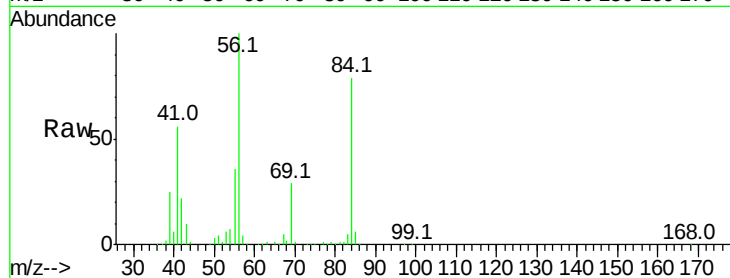




#29
Cyclohexane
Concen: 50.010 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

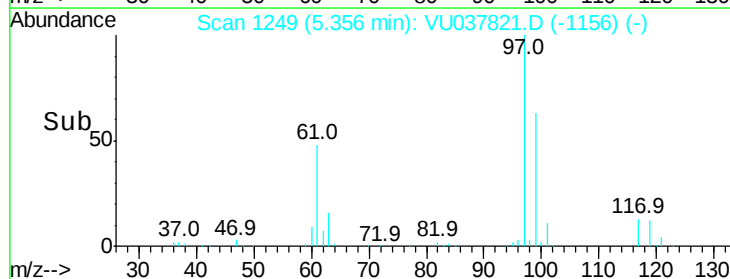
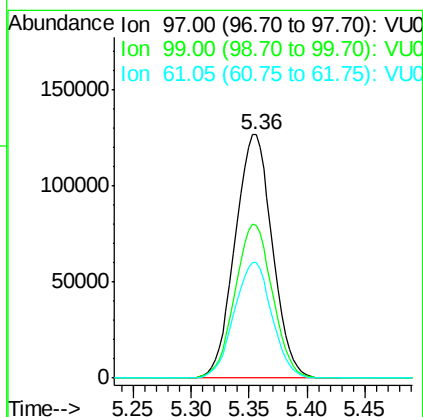
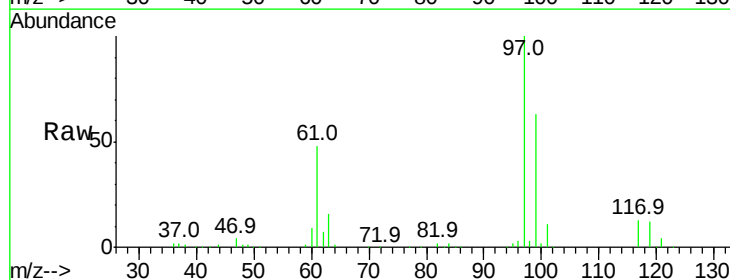
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

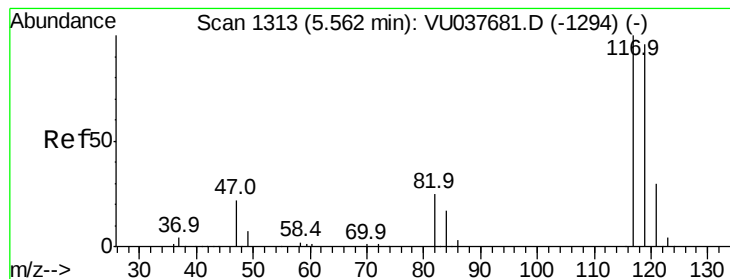
Tgt Ion: 56 Resp: 346897
Ion Ratio Lower Upper
56 100
69 29.1 24.0 36.0
84 79.8 66.3 99.5



#30
1,1,1-Trichloroethane
Concen: 49.721 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

Tgt Ion: 97 Resp: 284278
Ion Ratio Lower Upper
97 100
99 63.4 51.9 77.9
61 47.9 37.1 55.7





#31

Carbon tetrachloride

Concen: 49.289 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

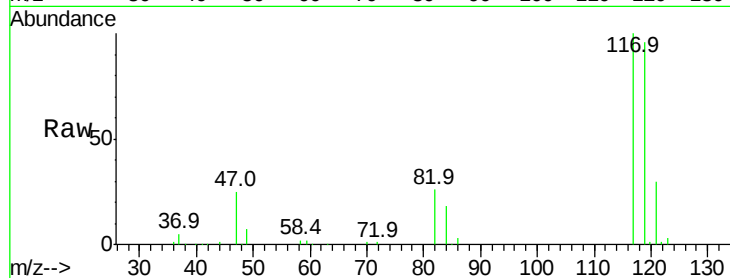
VSTD05034

Tgt Ion:117 Resp: 228766

Ion Ratio Lower Upper

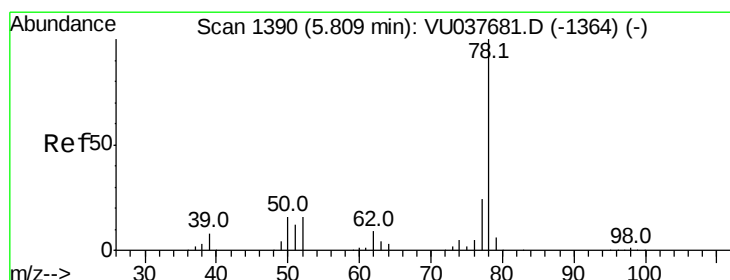
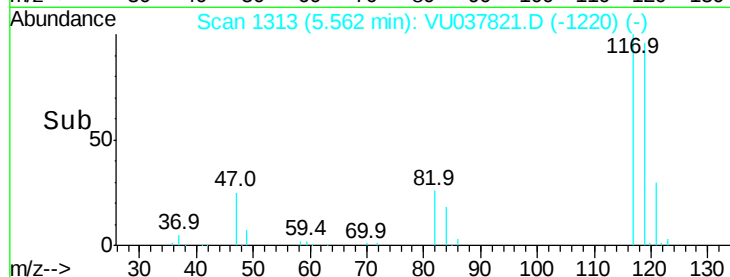
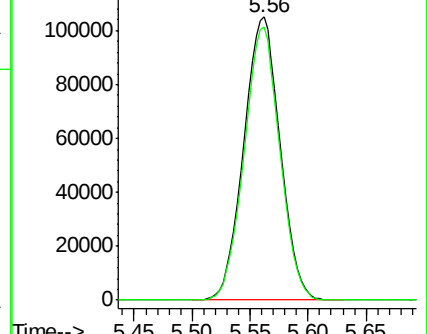
117 100

119 94.8 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.230 ug/L

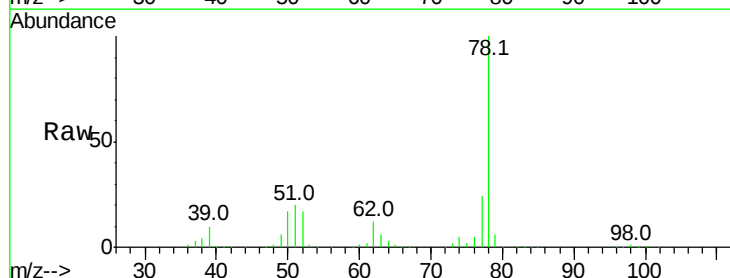
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

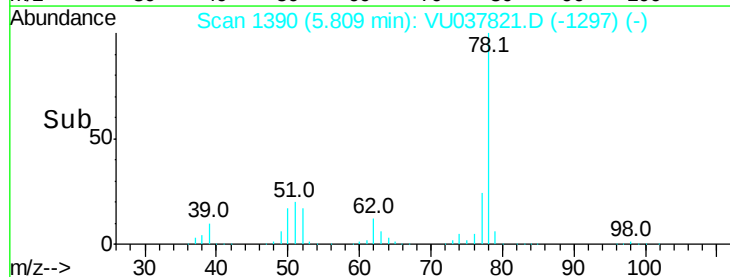
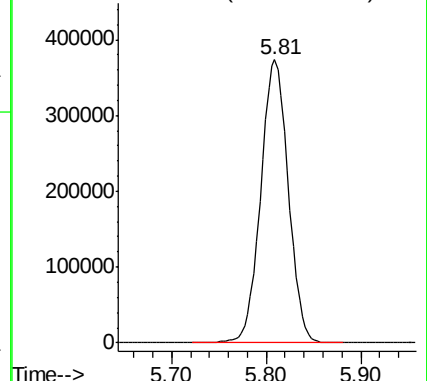
Lab File: VU037821.D

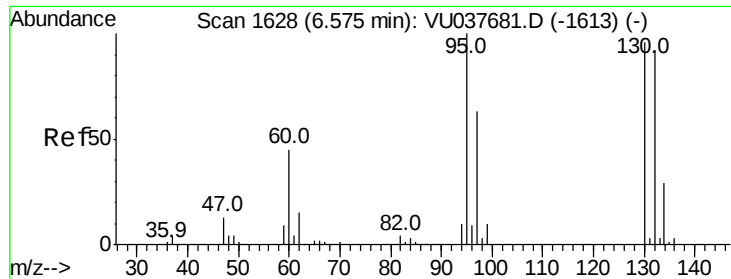
Acq: 21 Apr 2020 13:01

Tgt Ion: 78 Resp: 755721



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.786 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

Tgt Ion: 95 Resp: 184354

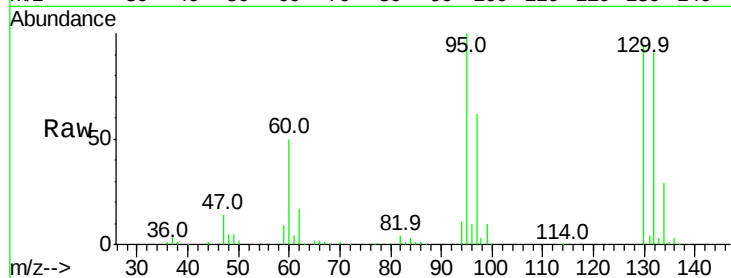
Ion Ratio Lower Upper

95 100

97 61.6 43.8 81.4

132 90.9 64.8 120.4

130 93.5 68.2 126.6

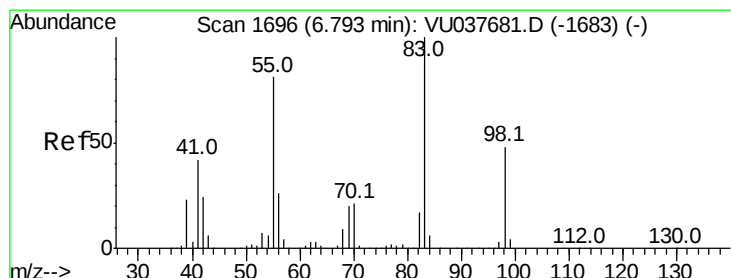
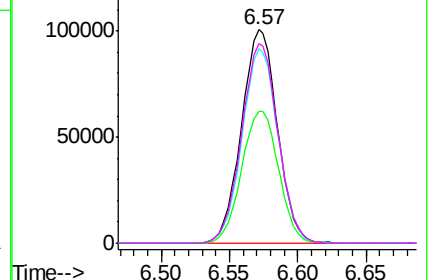
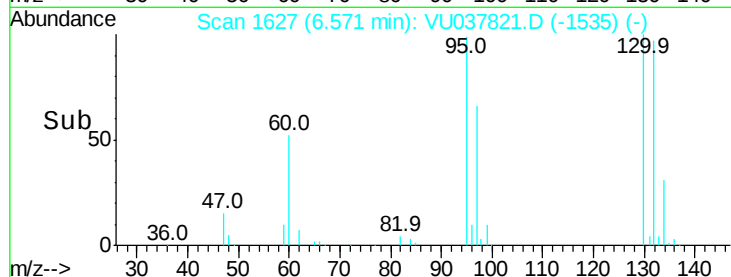


Abundance Ion 95.00 (94.70 to 95.70): VU037821.D (-1613) (-)

Ion 97.00 (96.70 to 97.70): VU037821.D (-1613) (-)

Ion 132.00 (131.70 to 132.70): VU037821.D (-1613) (-)

Ion 130.00 (129.70 to 130.70): VU037821.D (-1613) (-)



#35

Methylcyclohexane

Concen: 47.815 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

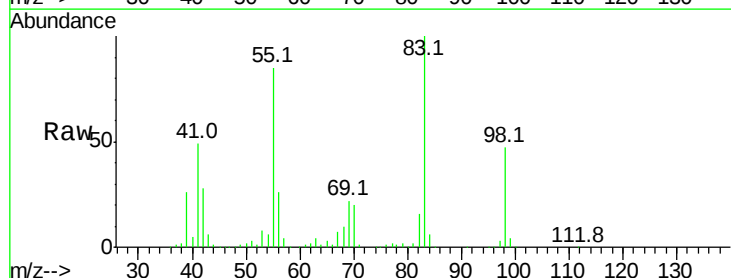
Tgt Ion: 83 Resp: 320599

Ion Ratio Lower Upper

83 100

55 84.1 64.6 96.8

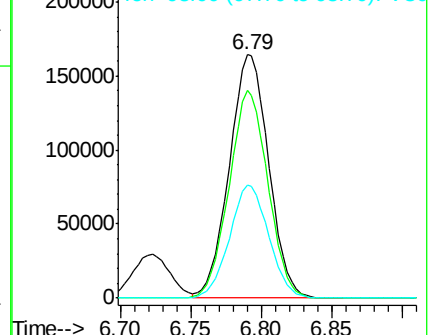
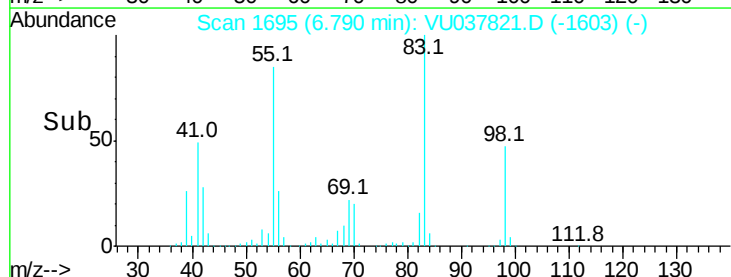
98 46.1 38.0 57.0

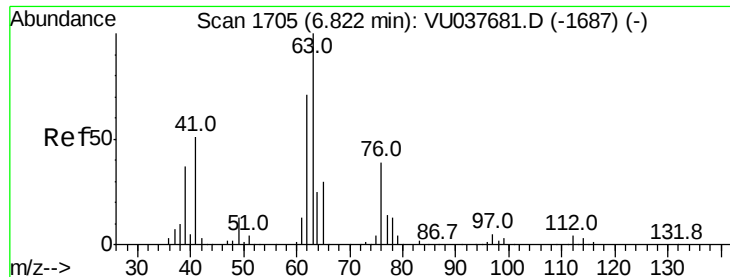


Abundance Ion 83.00 (82.70 to 83.70): VU037821.D (-1683) (-)

Ion 55.00 (54.70 to 55.70): VU037821.D (-1683) (-)

Ion 98.00 (97.70 to 98.70): VU037821.D (-1683) (-)

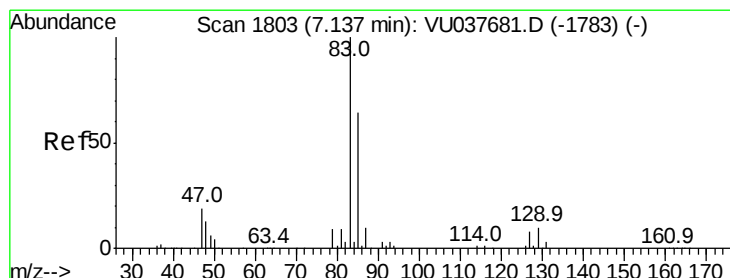
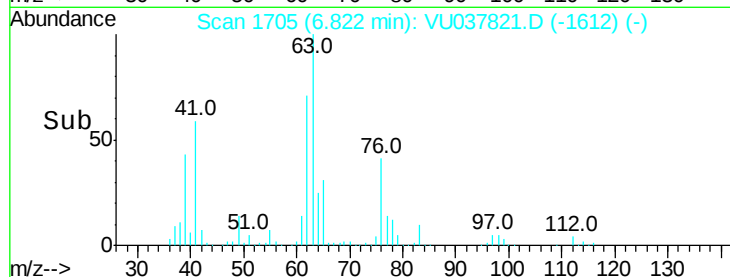
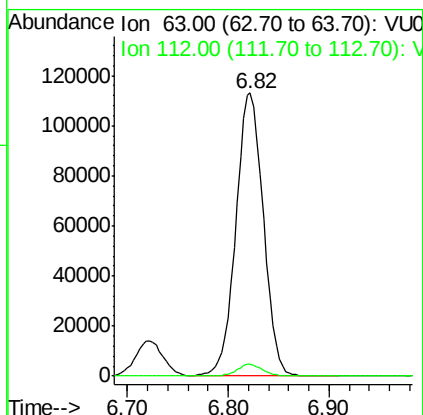
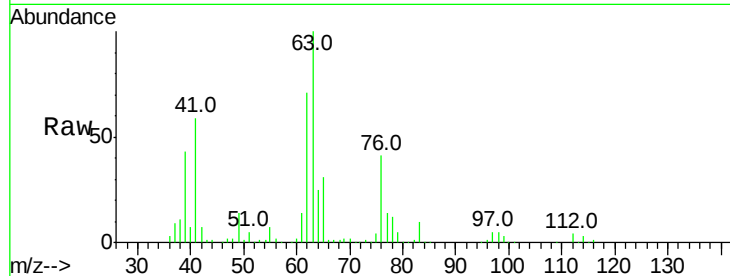




#37
 1,2-Dichloropropane
 Concen: 50.649 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

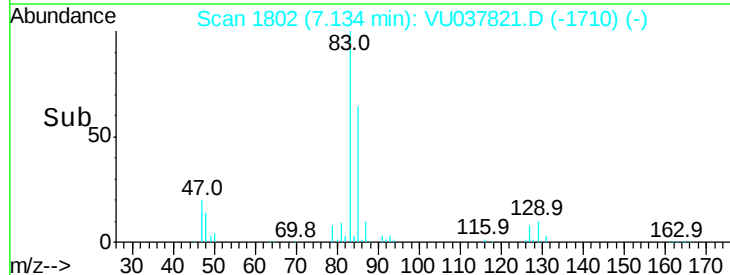
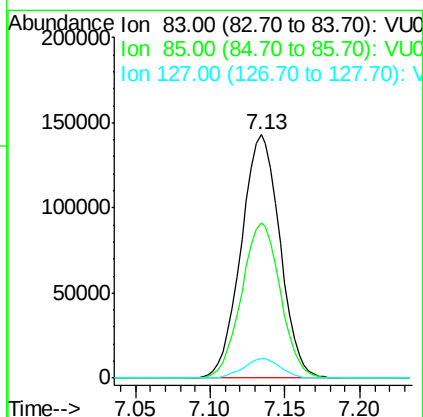
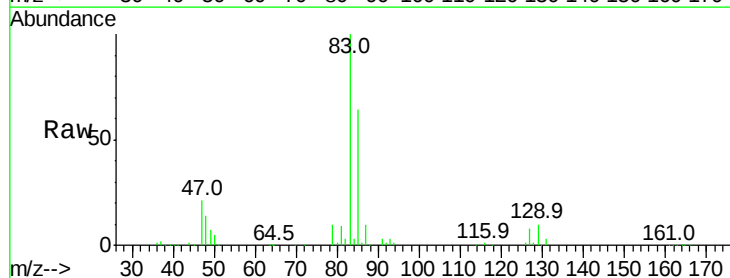
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

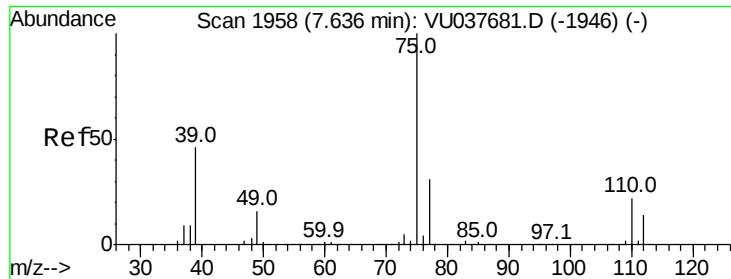
Tgt Ion: 63 Resp: 213637
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.0



#38
 Bromodichloromethane
 Concen: 49.683 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

Tgt Ion: 83 Resp: 257978
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.1 83.7
 127 7.9 6.6 9.8

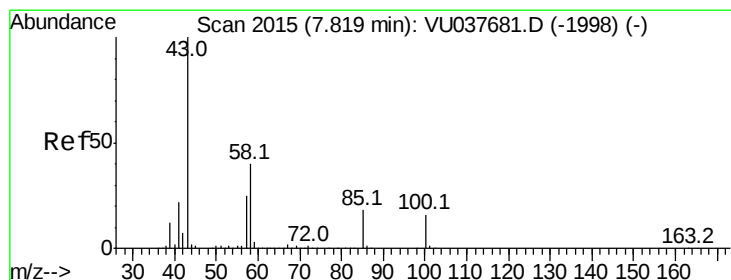
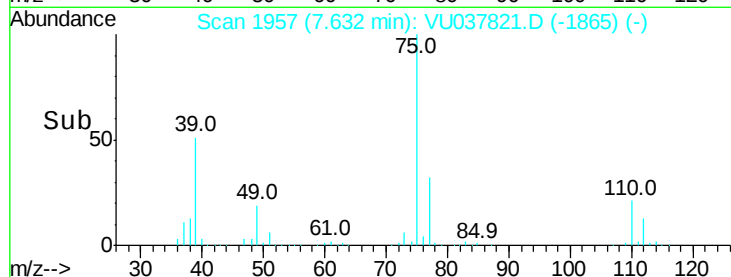
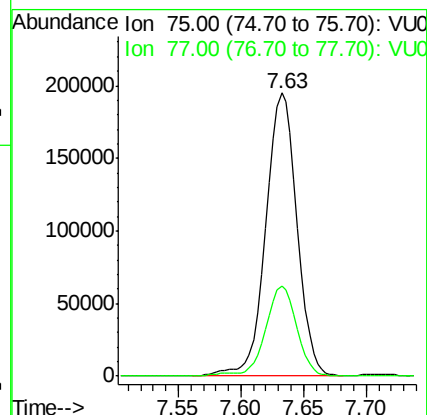
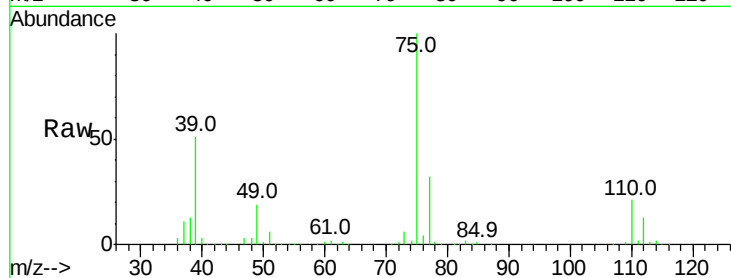




#39
 cis-1,3-Dichloropropene
 Concen: 49.011 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

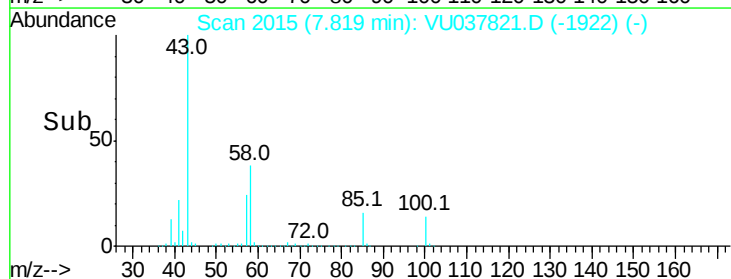
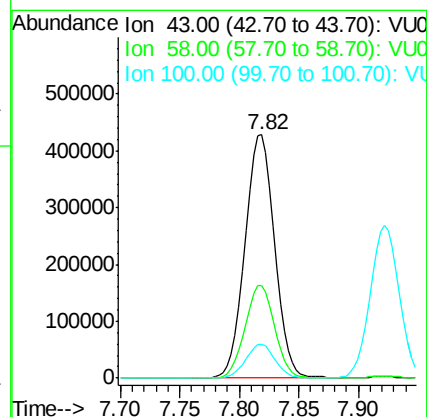
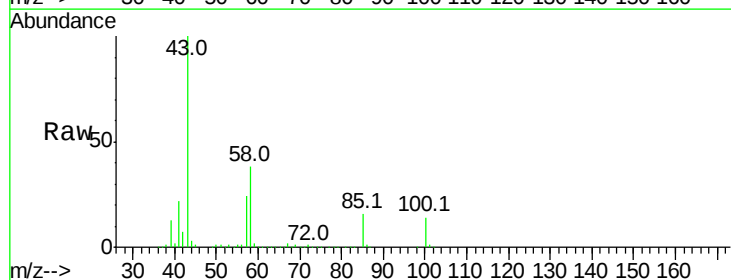
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

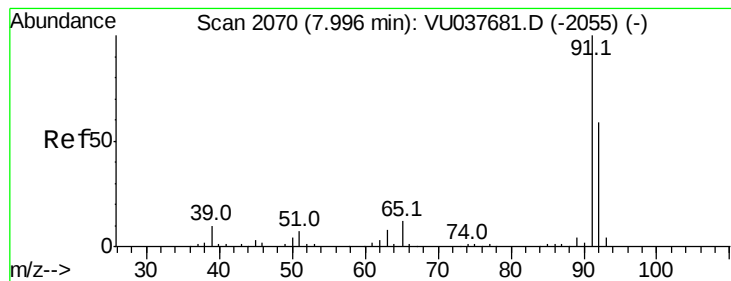
Tgt Ion: 75 Resp: 338367
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 98.826 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

Tgt Ion: 43 Resp: 740318
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.5 47.3
 100 13.7 12.0 18.0





#42

Toluene

Concen: 48.802 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

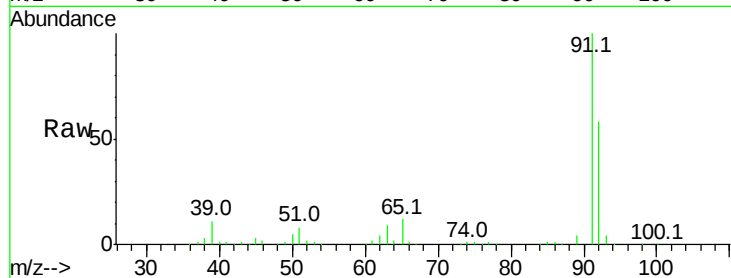
VSTD05034

Tgt Ion: 91 Resp: 795797

Ion Ratio Lower Upper

91 100

92 58.1 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VU037681.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU037681.D (-2055) (-)

7.99

500000

400000

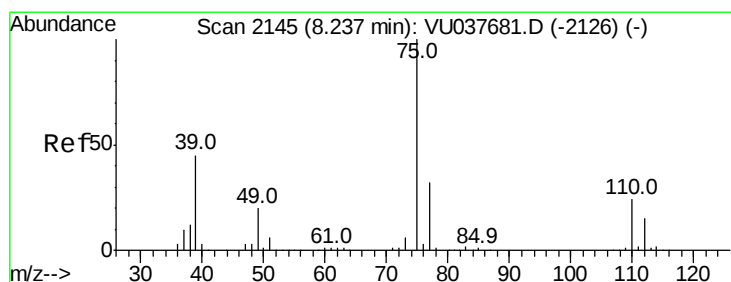
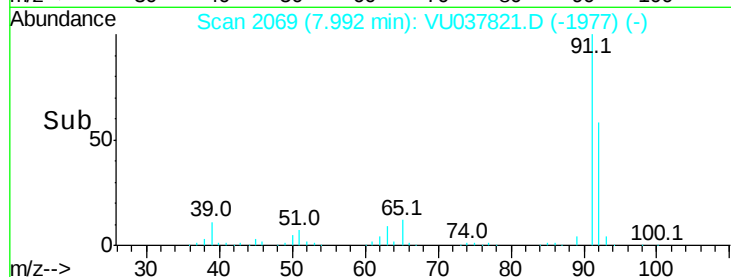
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 48.586 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037821.D

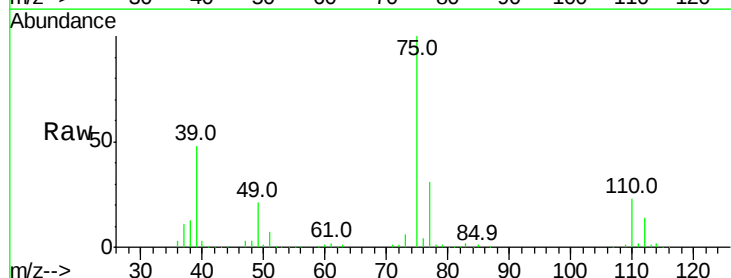
Acq: 21 Apr 2020 13:01

Tgt Ion: 75 Resp: 325145

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU037681.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU037681.D (-2126) (-)

8.23

200000

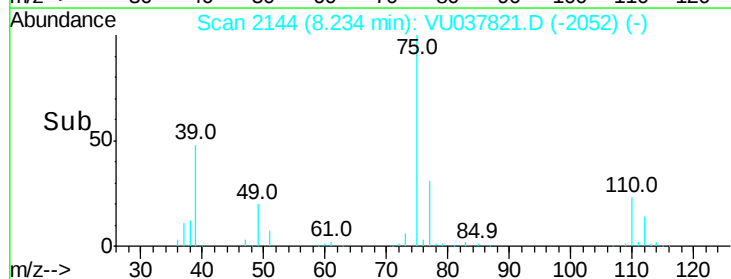
150000

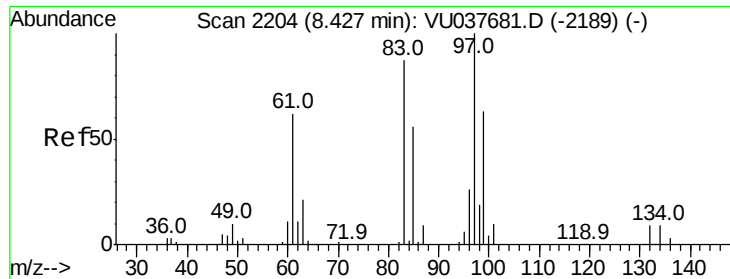
100000

50000

0

Time--> 8.15 8.20 8.25 8.30

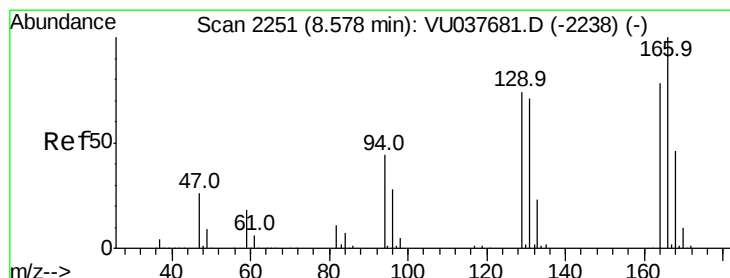
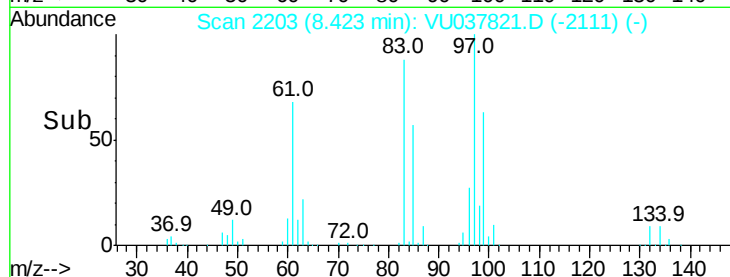
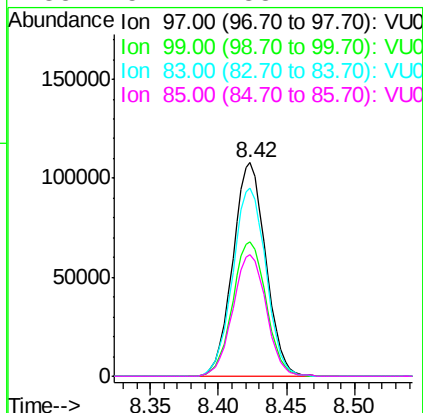
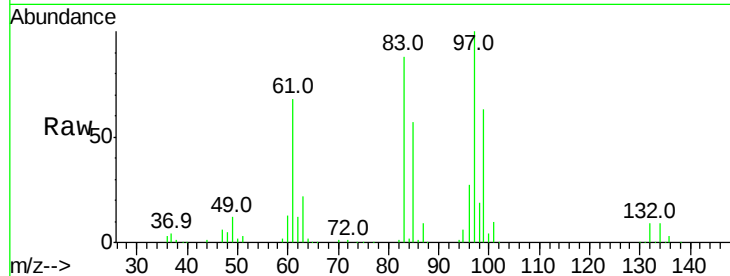




#45
 1,1,2-Trichloroethane
 Concen: 48.151 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

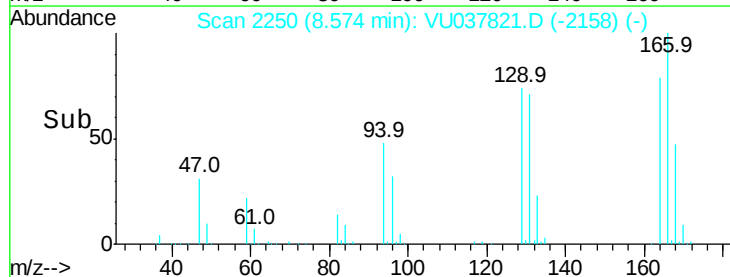
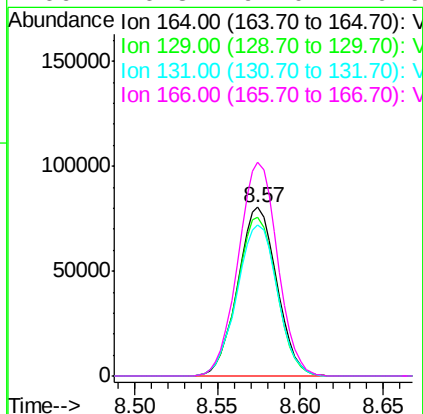
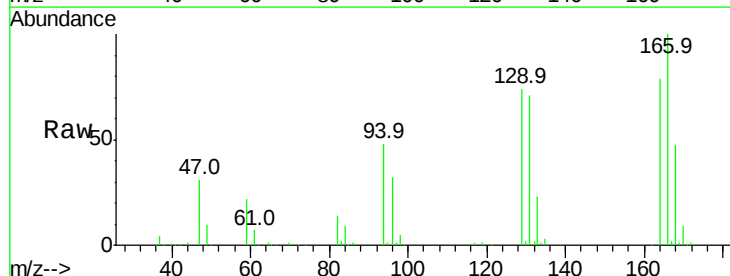
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

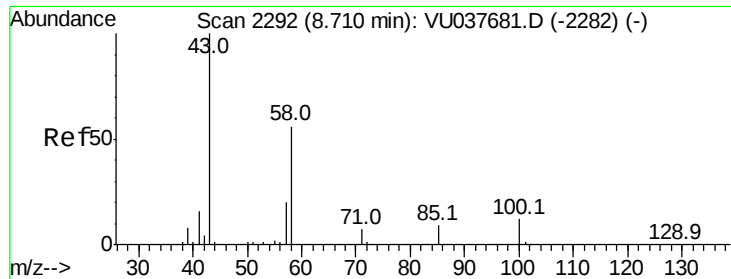
Tgt Ion:	97	Resp:	181220
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.6	81.0
83	88.0	61.2	113.8
85	57.1	38.4	71.4



#46
 Tetrachloroethene
 Concen: 47.079 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

Tgt Ion:	164	Resp:	132367
Ion	Ratio	Lower	Upper
164	100		
129	94.2	68.0	126.2
131	89.9	65.8	122.2
166	126.8	92.0	170.9

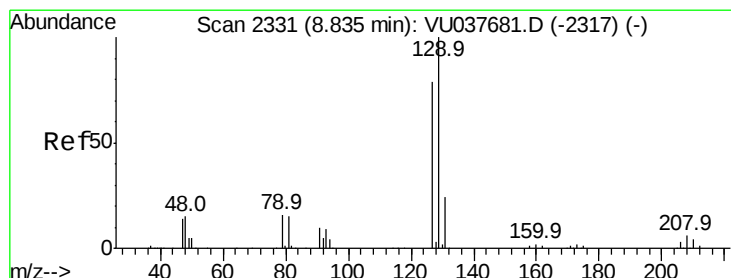
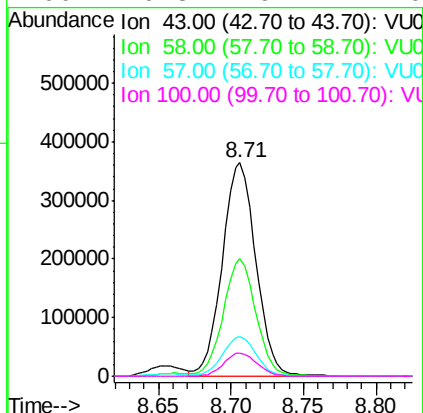
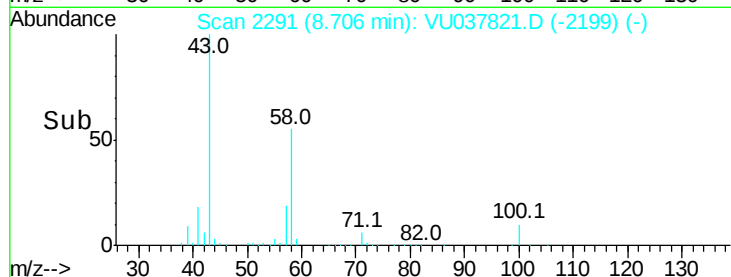
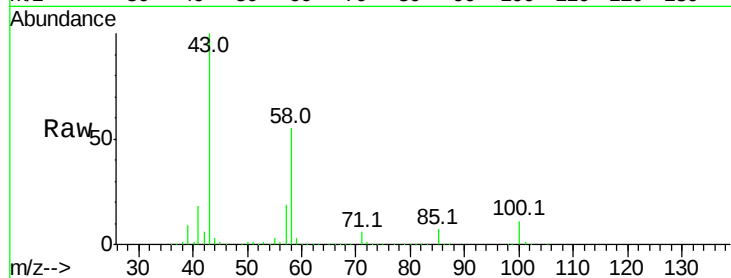




#48
2-Hexanone
Concen: 98.399 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

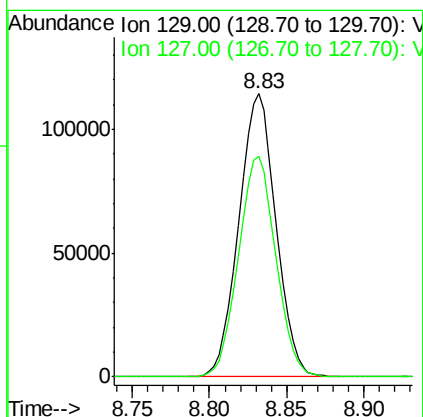
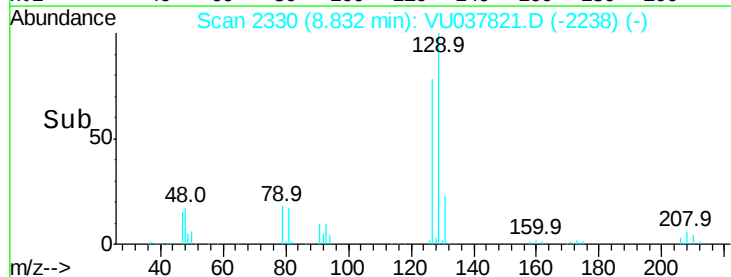
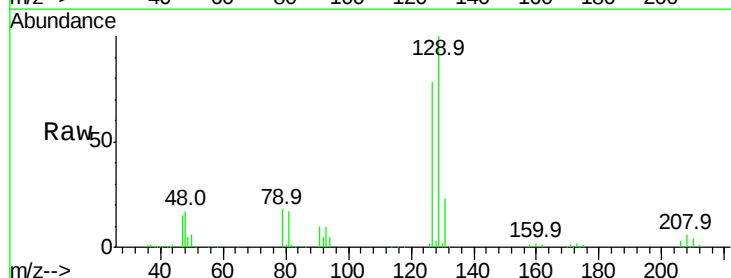
Instrument :
MSVOA_U
ClientSampled :
VSTD05034

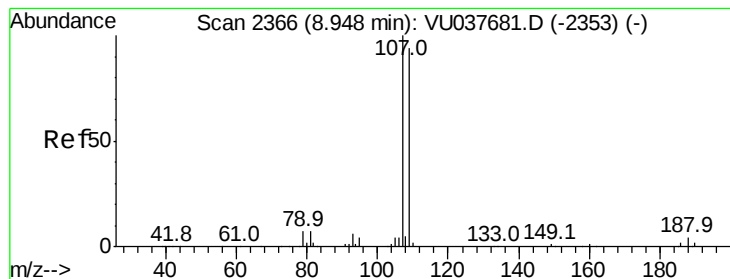
Tgt Ion: 43 Resp: 582042
Ion Ratio Lower Upper
43 100
58 53.7 44.0 66.0
57 18.9 15.2 22.8
100 10.8 9.4 14.0



#49
Dibromochloromethane
Concen: 47.373 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

Tgt Ion: 129 Resp: 191187
Ion Ratio Lower Upper
129 100
127 77.8 55.2 102.6

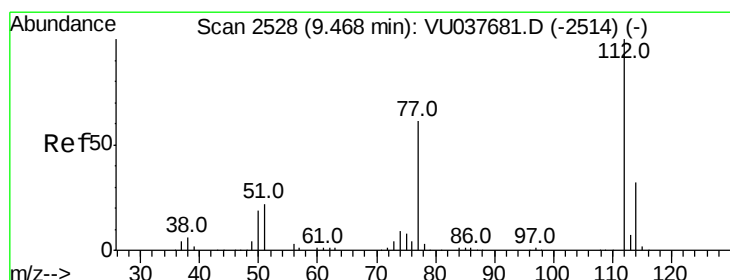
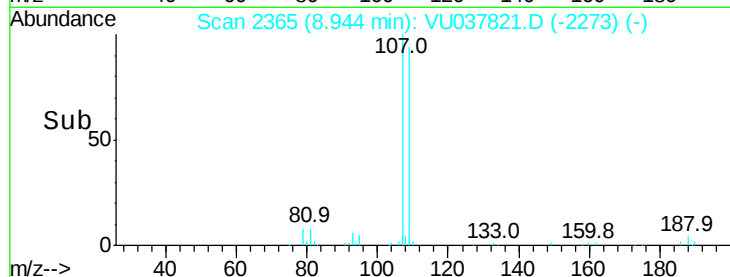
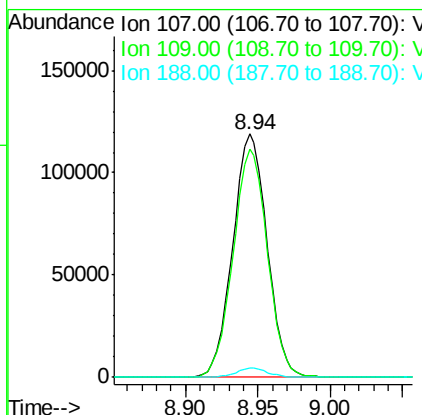
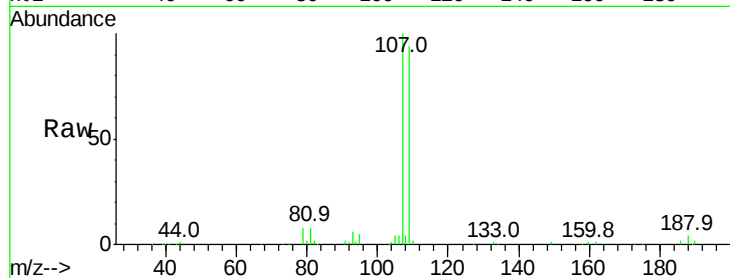




#50
 1,2-Dibromoethane
 Concen: 47.986 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

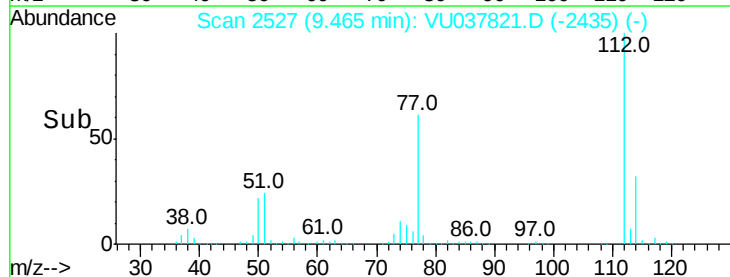
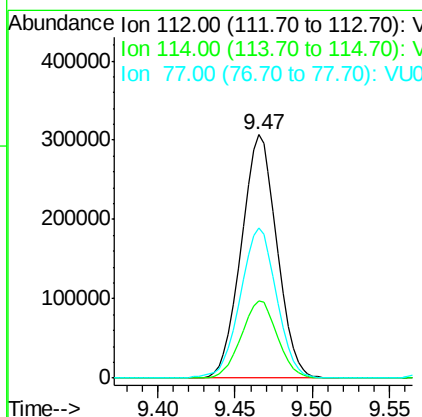
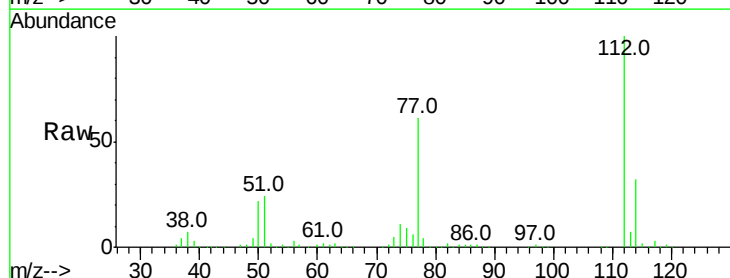
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

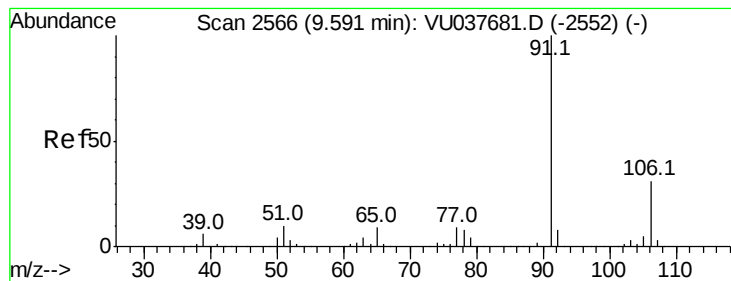
Tgt Ion:107 Resp: 195401
 Ion Ratio Lower Upper
 107 100
 109 93.7 67.3 125.1
 188 3.6 2.9 4.3



#51
 Chlorobenzene
 Concen: 48.295 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

Tgt Ion:112 Resp: 491824
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.4 41.6
 77 61.4 49.2 73.8





#52

Ethylbenzene

Concen: 48.469 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

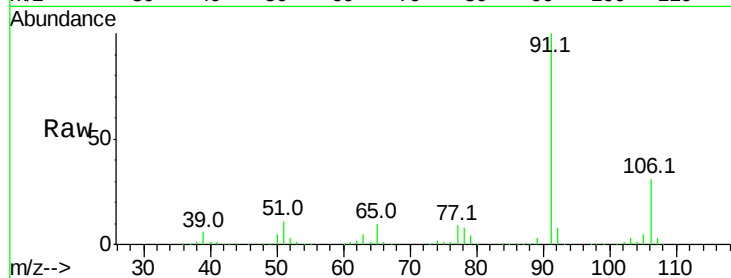
VSTD05034

Tgt Ion: 91 Resp: 886153

Ion Ratio Lower Upper

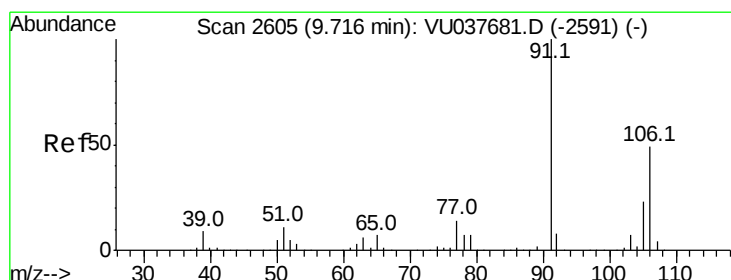
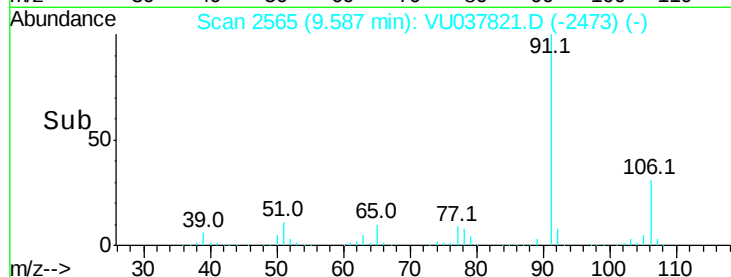
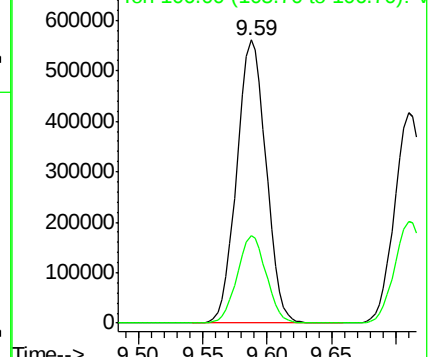
91 100

106 30.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 47.439 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.01 min

Lab File: VU037821.D

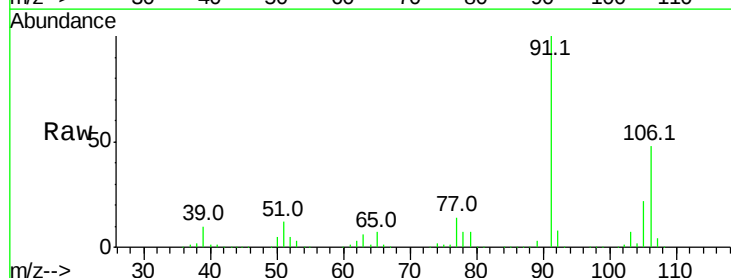
Acq: 21 Apr 2020 13:01

Tgt Ion: 106 Resp: 329325

Ion Ratio Lower Upper

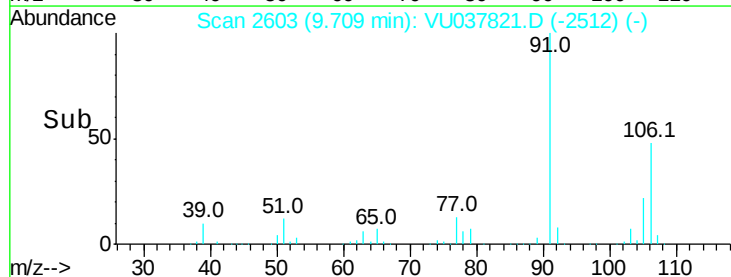
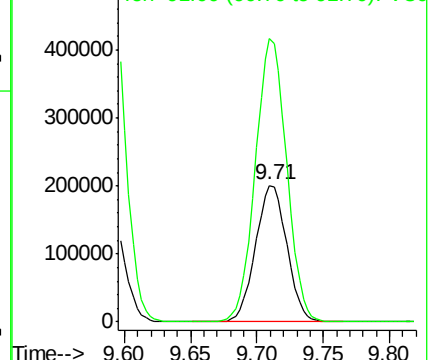
106 100

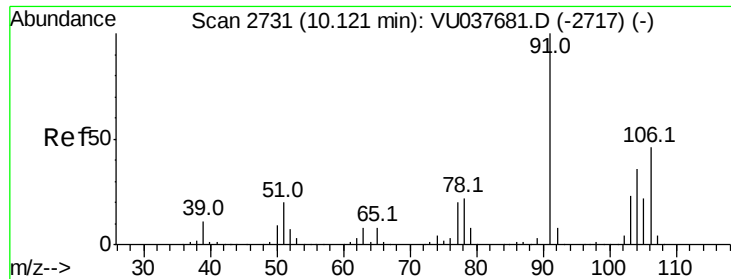
91 207.9 140.8 261.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

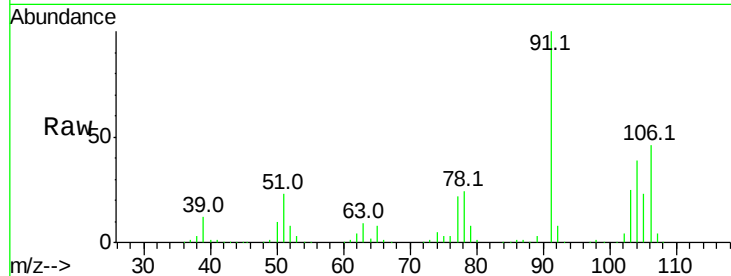




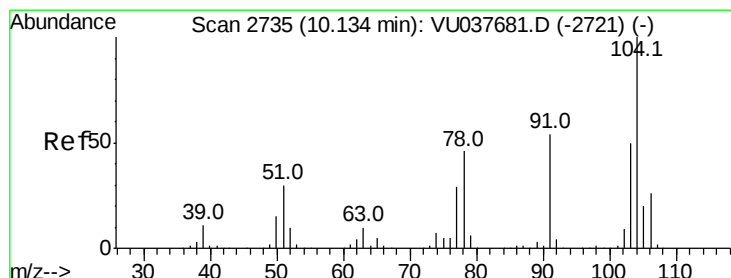
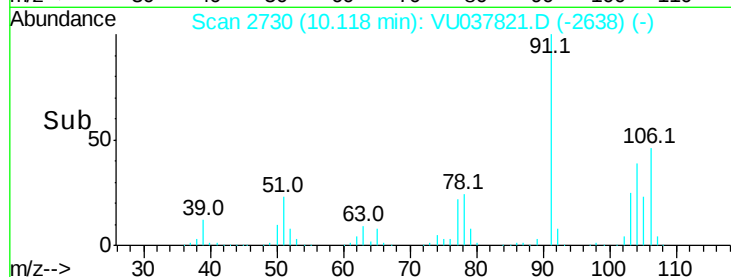
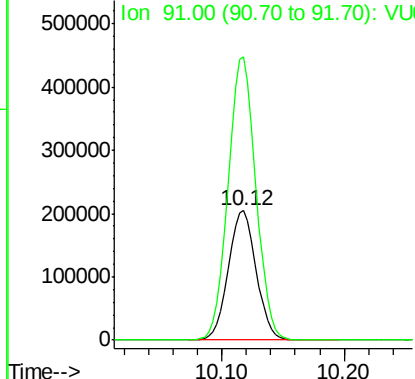
#54
o-xylene
Concen: 47.560 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion:106 Resp: 327449
Ion Ratio Lower Upper
106 100
91 218.6 151.1 280.5

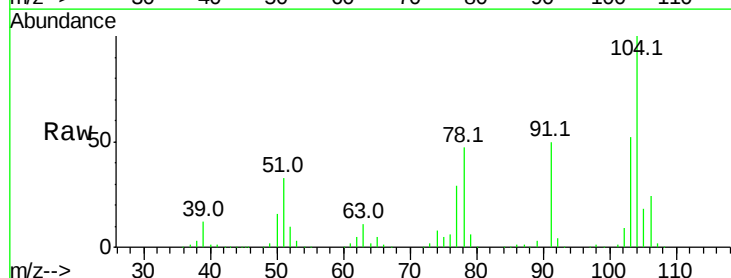


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

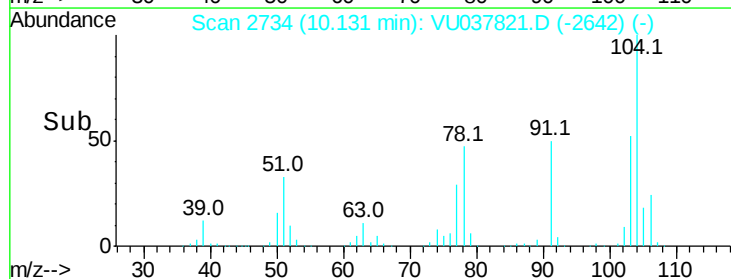
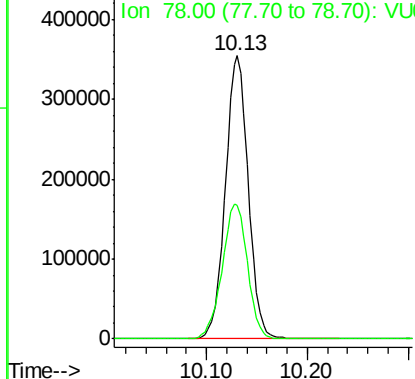


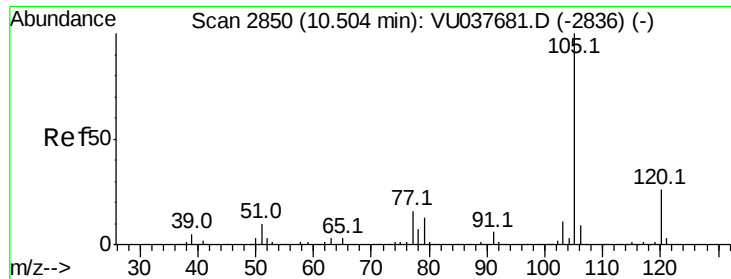
#55
Styrene
Concen: 47.056 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037821.D
Acq: 21 Apr 2020 13:01

Tgt Ion:104 Resp: 561742
Ion Ratio Lower Upper
104 100
78 47.3 32.0 59.4



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





#56

Isopropylbenzene

Concen: 48.303 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

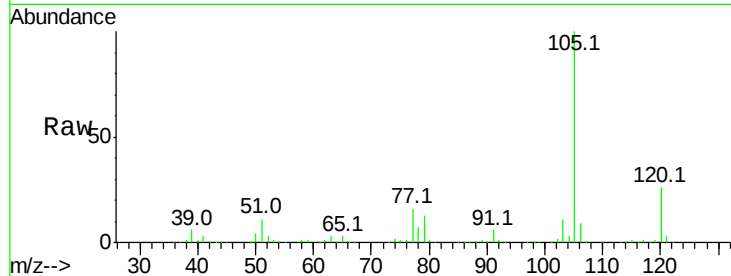
Tgt Ion:105 Resp: 865923

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

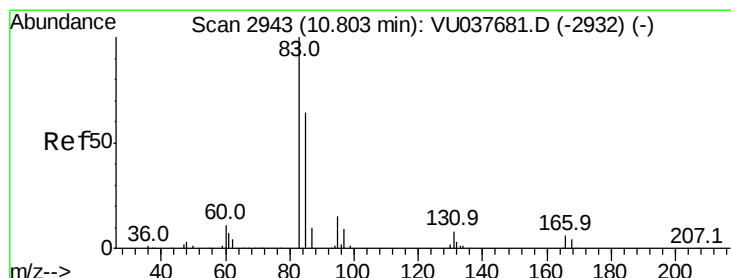
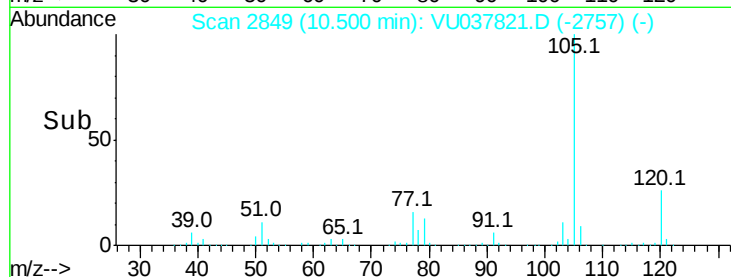
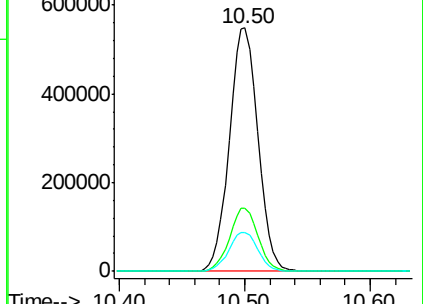
77 16.4 12.7 19.1



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: 48.364 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.01 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

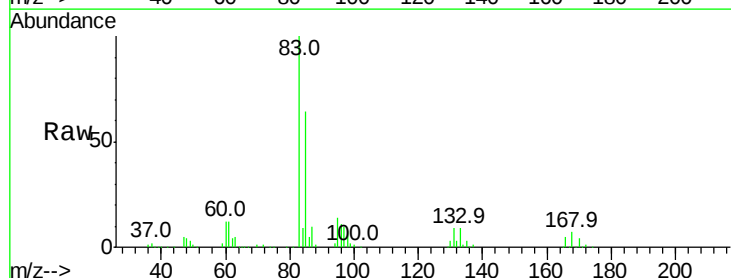
Tgt Ion: 83 Resp: 325017

Ion Ratio Lower Upper

83 100

85 63.9 44.2 82.2

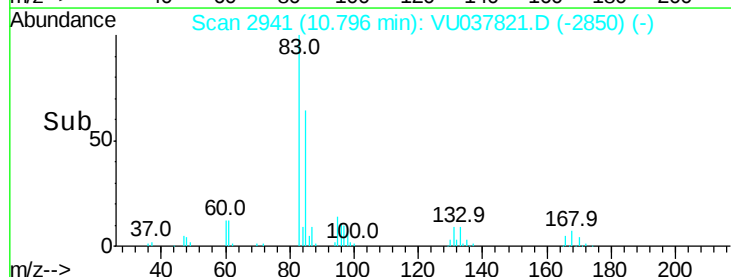
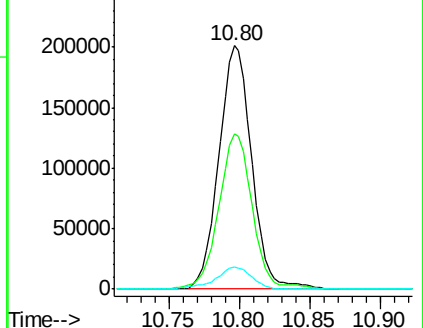
131 9.1 7.6 11.4

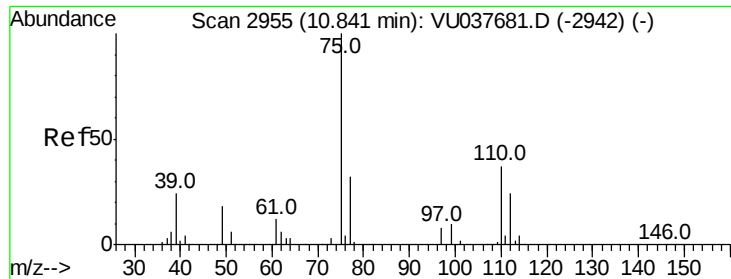


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

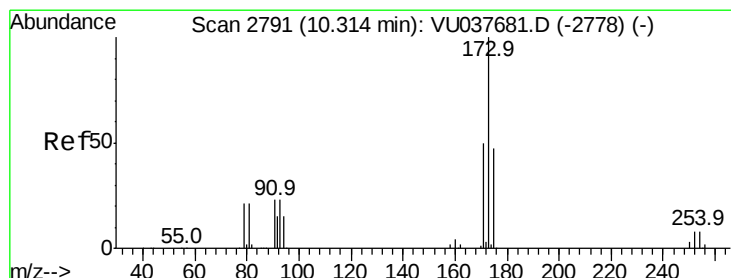
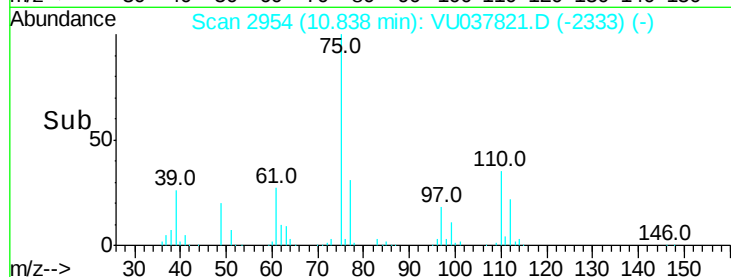
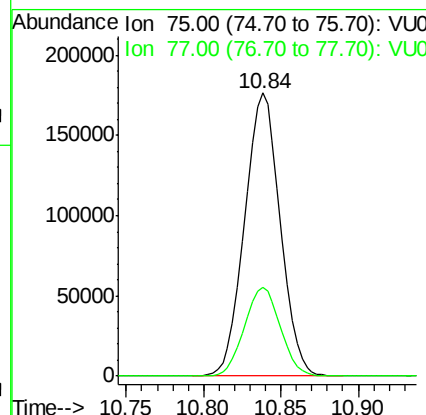
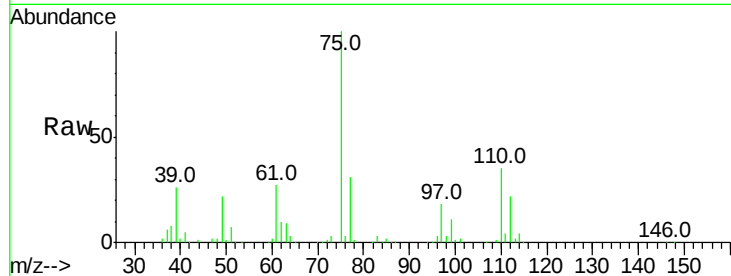




#59
 1,2,3-Trichloropropane
 Concen: 49.211 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

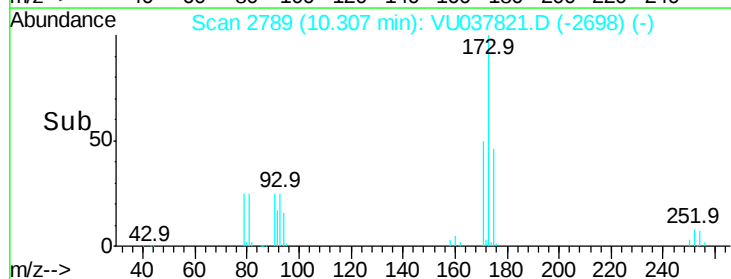
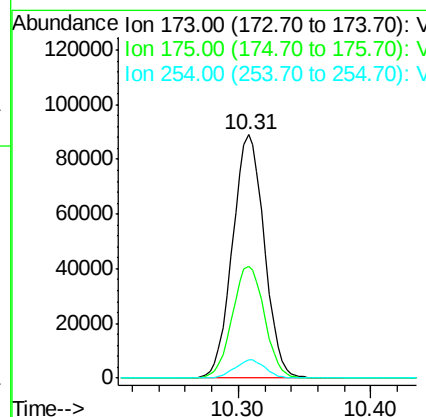
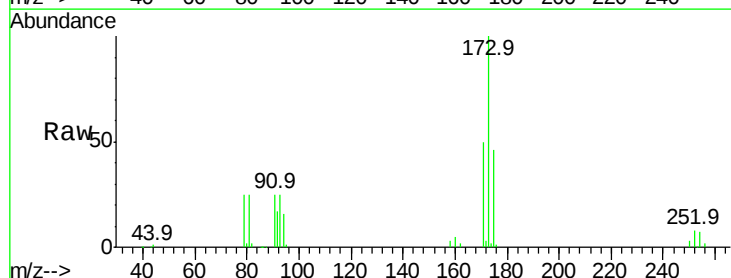
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

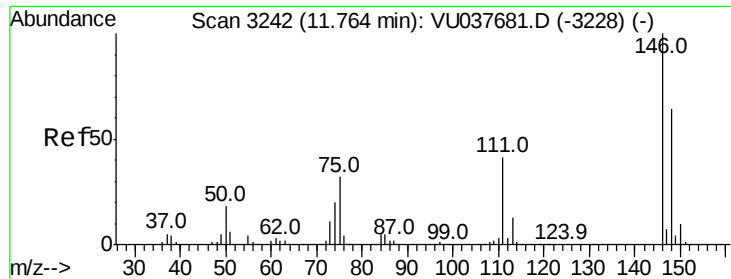
Tgt Ion: 75 Resp: 281988
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.6 38.4



#61
 Bromoform
 Concen: 46.415 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.01 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

Tgt Ion: 173 Resp: 147737
 Ion Ratio Lower Upper
 173 100
 175 46.8 38.7 58.1
 254 7.1 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 46.940 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.01 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

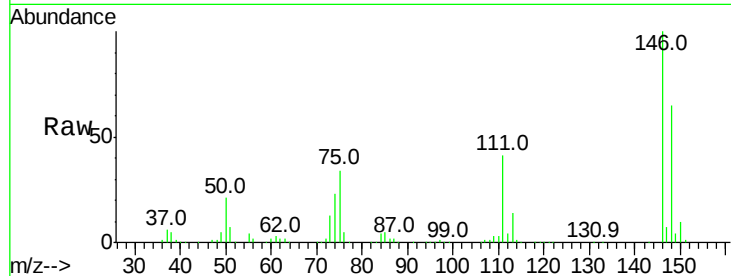
Tgt Ion:146 Resp: 379471

Ion Ratio Lower Upper

146 100

111 41.3 28.6 53.0

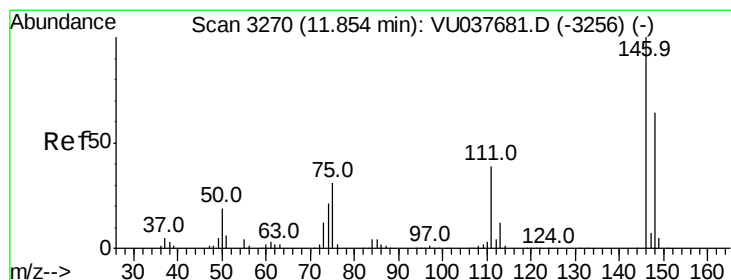
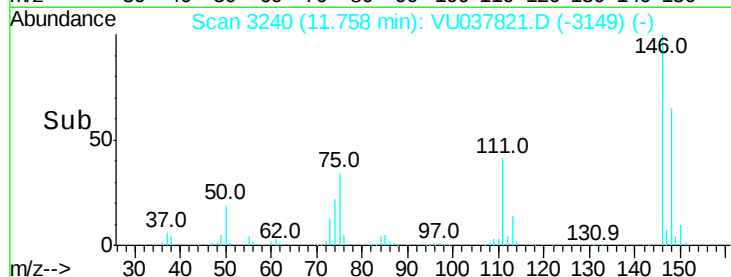
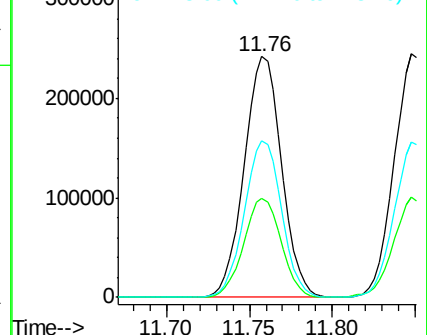
148 65.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.295 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.01 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

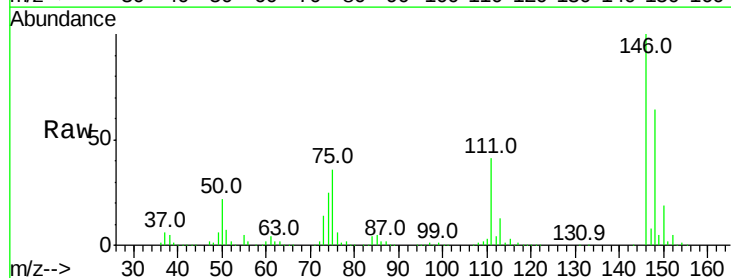
Tgt Ion:146 Resp: 383612

Ion Ratio Lower Upper

146 100

111 40.9 27.2 50.6

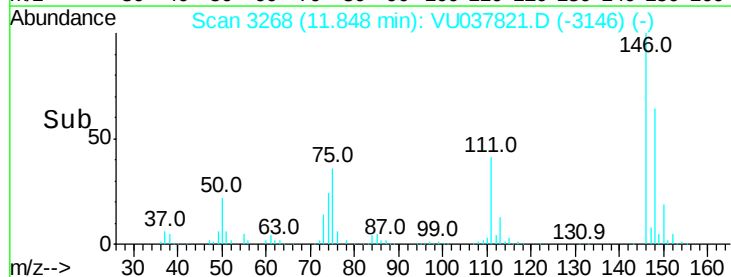
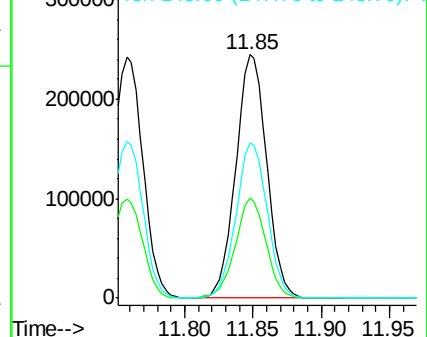
148 63.8 44.9 83.3

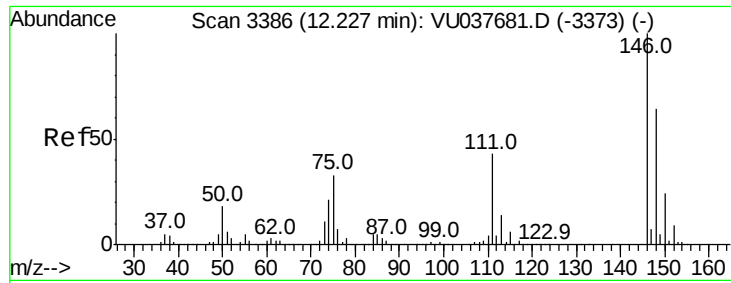


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

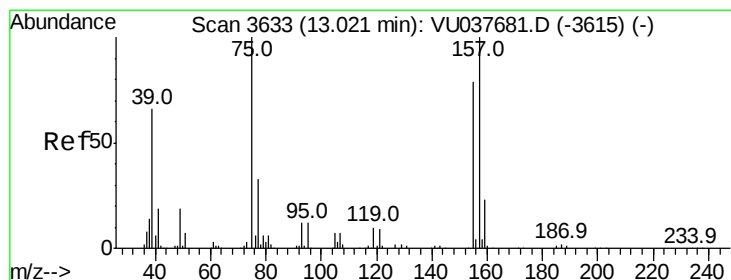
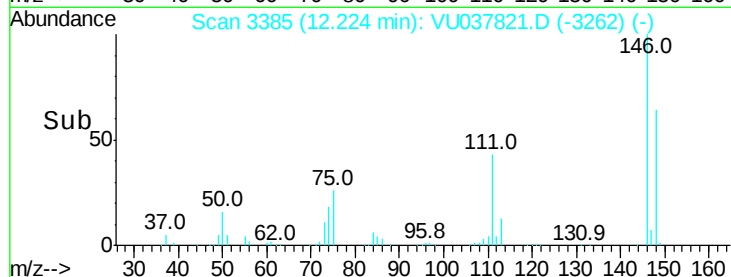
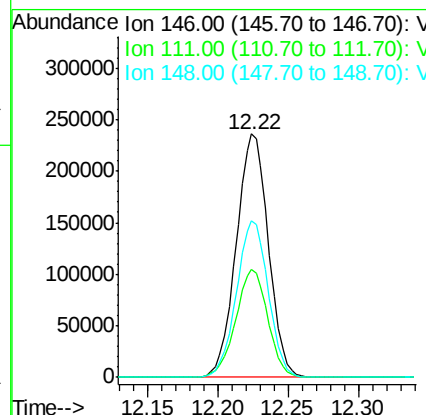
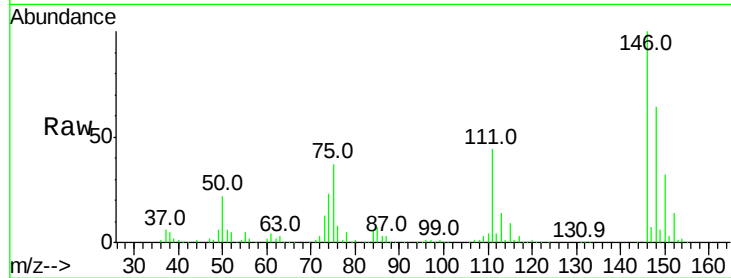




#65
 1,2-Dichlorobenzene
 Concen: 47.108 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

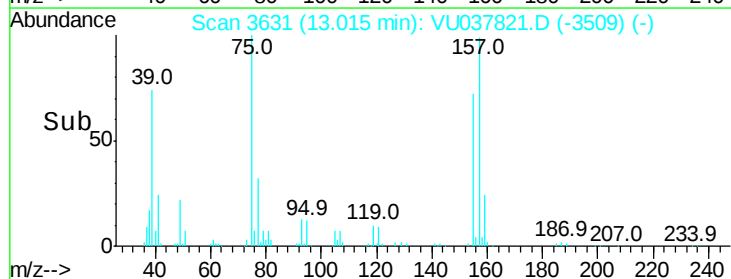
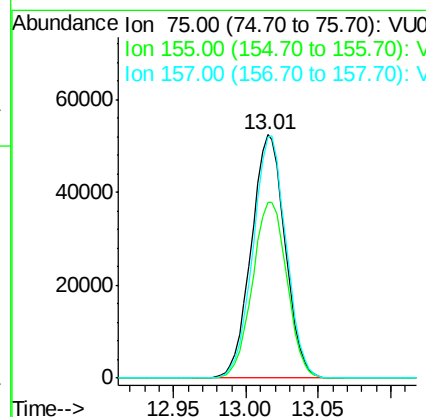
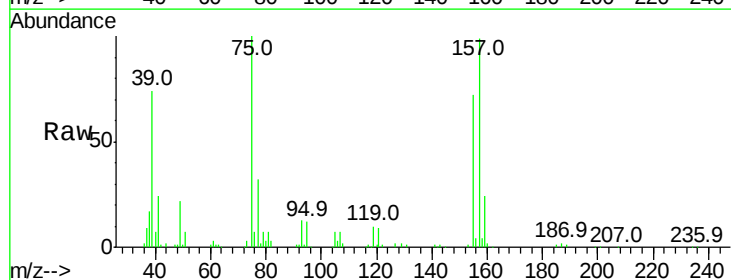
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

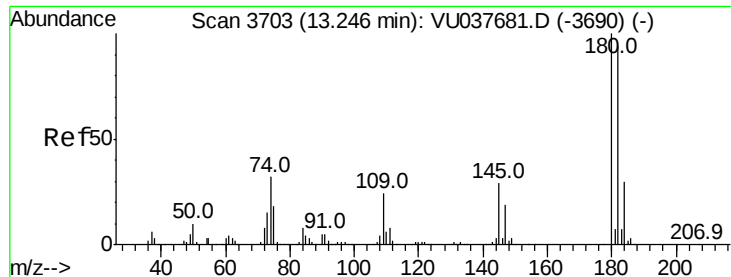
Tgt Ion: 146 Resp: 375312
 Ion Ratio Lower Upper
 146 100
 111 44.1 34.2 51.4
 148 64.1 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.076 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

Tgt Ion: 75 Resp: 85037
 Ion Ratio Lower Upper
 75 100
 155 72.0 60.9 91.3
 157 99.0 78.8 118.2

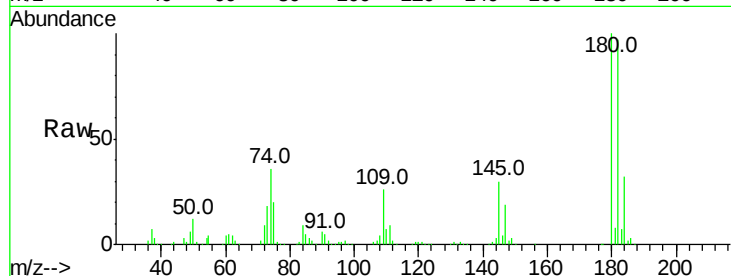




#67
 1,3,5-Trichlorobenzene
 Concen: 46.465 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.4
184	30.9	24.7	37.1
145	29.6	23.8	35.6

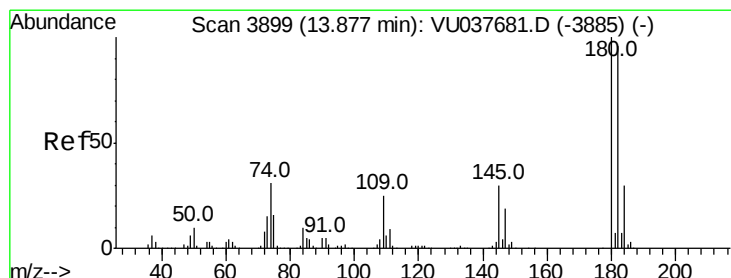
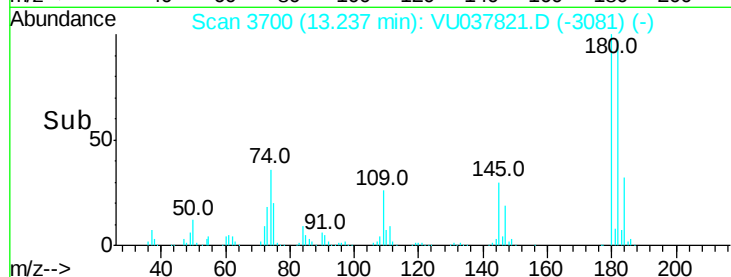
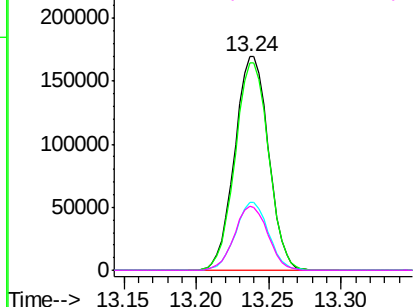


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

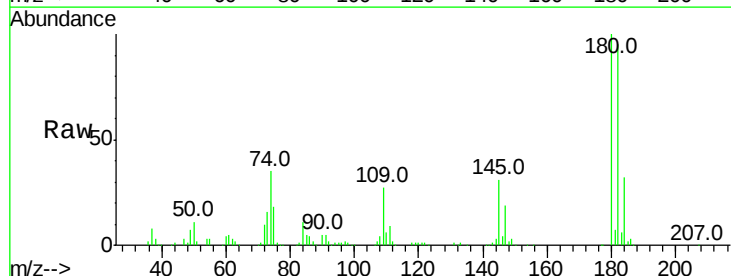
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.377 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU037821.D
 Acq: 21 Apr 2020 13:01

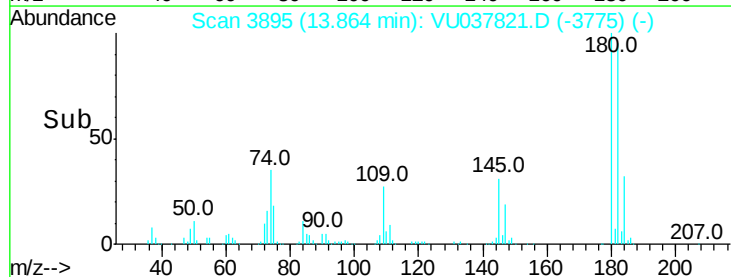
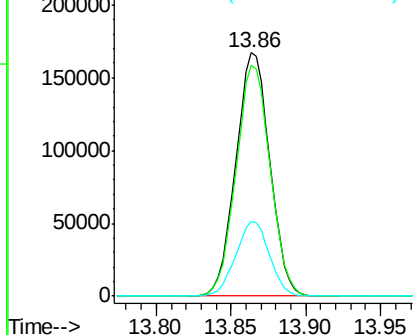
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
145	30.4	23.8	35.6

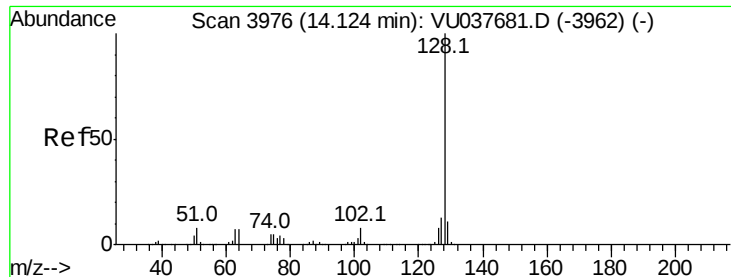


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 43.746 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

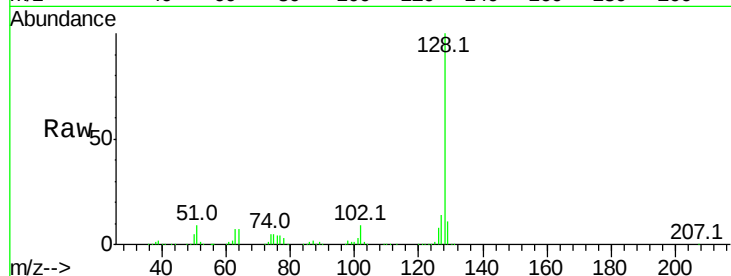
Tgt Ion:128 Resp: 920252

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

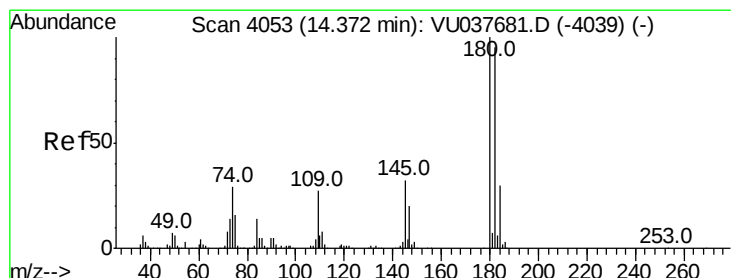
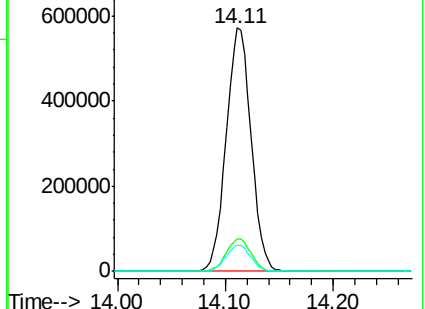
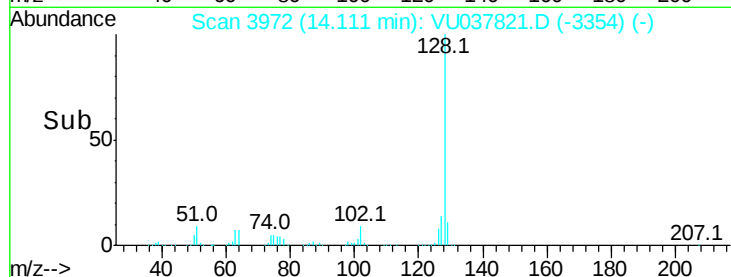
129 10.8 8.6 13.0



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: 45.468 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU037821.D

Acq: 21 Apr 2020 13:01

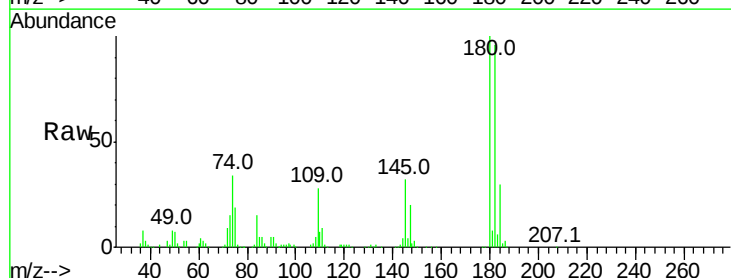
Tgt Ion:180 Resp: 258280

Ion Ratio Lower Upper

180 100

182 96.2 75.6 113.4

145 32.8 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

