

Data File : VU037609.D
Acq On : 09 Apr 2020 10:33
Operator : JC/MD
Sample : VSTD050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Quant Time: Apr 09 10:55:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 09 10:11:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	569582	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	543269	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	271323	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	251167	54.30	ug/L	0.00
7) Chloroethane-d5	1.93	69	202137	54.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	406595	52.29	ug/L	0.00
21) 2-Butanone-d5	4.66	46	401279	115.42	ug/L	0.00
24) Chloroform-d	5.10	84	369634	47.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	251202	48.54	ug/L	0.00
32) Benzene-d6	5.76	84	803723	51.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	267063	50.40	ug/L	0.00
41) Toluene-d8	7.92	98	737576	50.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	141696	49.25	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	312251	111.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	375049	49.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	272954	49.30	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	231588	62.893	ug/L	98
3) Chloromethane	1.54	50	270968	69.373	ug/L	100
5) Vinyl chloride	1.62	62	280765	72.388	ug/L	97
6) Bromomethane	1.87	94	146332	76.497	ug/L	99
8) Chloroethane	1.95	64	167170	73.078	ug/L	99
9) Trichlorofluoromethane	2.16	101	300220	54.558	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	183359	58.419	ug/L	98
12) 1,1-Dichloroethene	2.60	96	184907	60.689	ug/L	93
13) Acetone	2.65	43	247500	123.152	ug/L	95
14) Carbon disulfide	2.82	76	622295	70.708	ug/L	100
15) Methyl Acetate	2.98	43	293000	64.337	ug/L	98
16) Methylene chloride	3.08	84	210891	57.064	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	198508	60.505	ug/L	95
18) Methyl tert-butyl Ether	3.40	73	695174	60.447	ug/L	99
19) 1,1-Dichloroethane	3.91	63	388702	60.470	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	217310	57.518	ug/L	91
22) 2-Butanone	4.75	43	430813	131.336	ug/L	96
23) Bromochloromethane	5.01	128	107097	59.058	ug/L	97
25) Chloroform	5.13	83	370856	55.335	ug/L	97
27) 1,2-Dichloroethane	5.83	62	302963	58.574	ug/L	98
29) Cyclohexane	5.42	56	384499	67.533	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	315579	54.800	ug/L	98
31) Carbon tetrachloride	5.56	117	256327	54.081	ug/L	99
33) Benzene	5.81	78	846888	59.494	ug/L	100
34) Trichloroethene	6.57	95	206639	55.517	ug/L	97
35) Methylcyclohexane	6.79	83	369727	64.289	ug/L	95
37) 1,2-Dichloropropane	6.82	63	233068	57.465	ug/L	99
38) Bromodichloromethane	7.13	83	284821	53.994	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	384217	60.651	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	824840	125.327	ug/L	99

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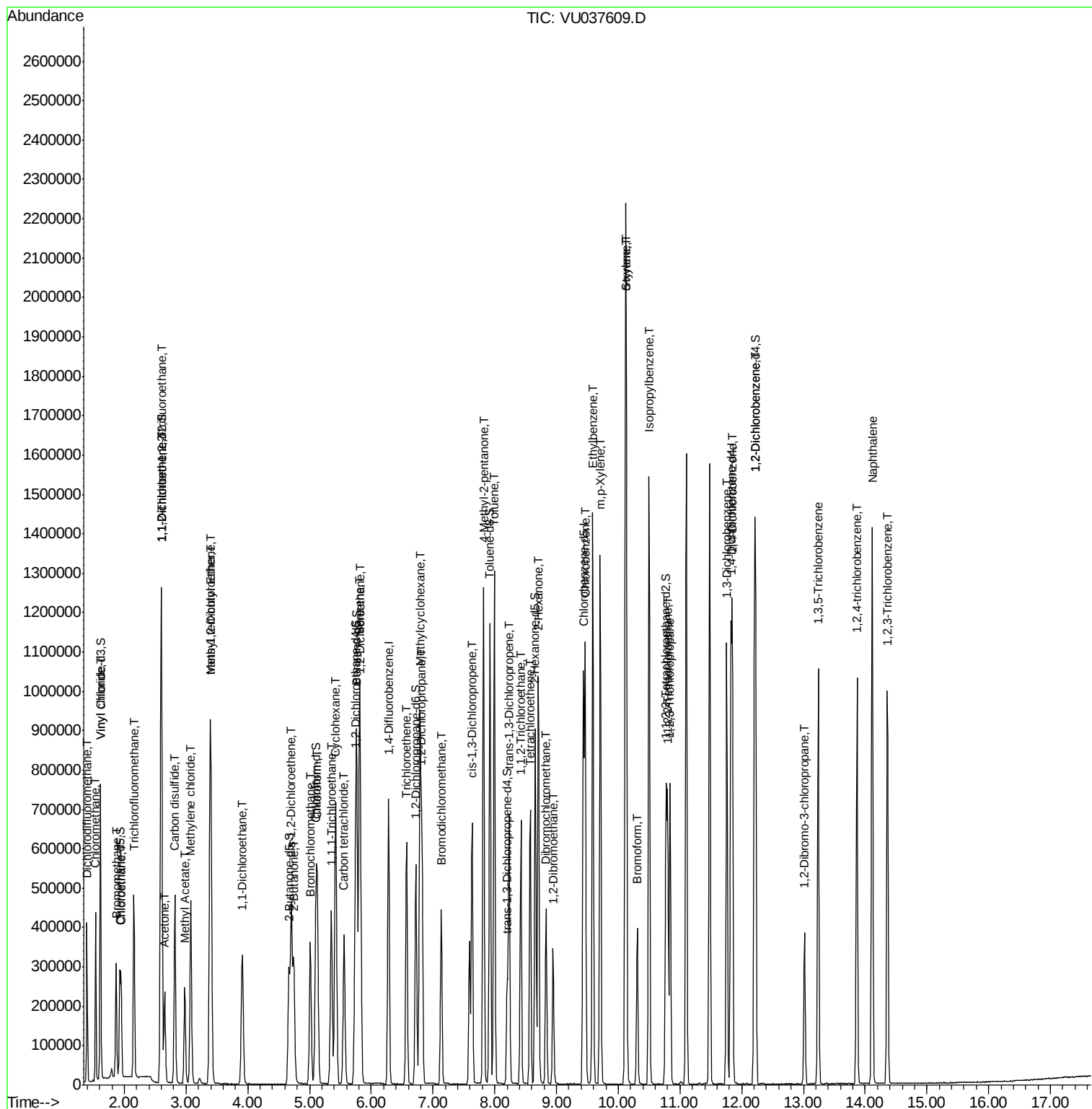
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	899217	58.375	ug/L	96
44) trans-1,3-Dichloropropene	8.23	75	367276	58.873	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	207716	56.094	ug/L	99
46) Tetrachloroethene	8.57	164	152205	60.902	ug/L	92
48) 2-Hexanone	8.71	43	649865	126.972	ug/L	99
49) Dibromochloromethane	8.83	129	221051	53.520	ug/L	100
50) 1,2-Dibromoethane	8.94	107	221833	54.471	ug/L #	95
51) Chlorobenzene	9.47	112	558127	58.415	ug/L	98
52) Ethylbenzene	9.59	91	1006333	57.768	ug/L	98
53) m,p-Xylene	9.71	106	384220	59.131	ug/L	93
54) o-xylene	10.12	106	377286	60.243	ug/L	99
55) Styrene	10.13	104	661551	59.657	ug/L	94
56) Isopropylbenzene	10.50	105	986070	58.071	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	365293	54.720	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	313675	60.161	ug/L	100
61) Bromoform	10.31	173	175959	56.730	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	435083	55.536	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	441361	55.819	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	431788	55.663	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	101733	54.675	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	320241	58.891	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	307904	59.396	ug/L	96
69) Naphthalene	14.11	128	1106268	50.371	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	305717	58.377	ug/L	98

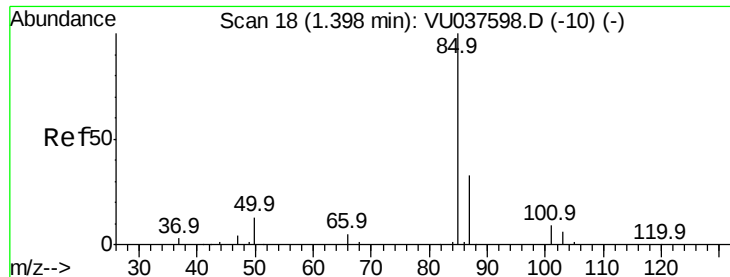
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 62.893 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampled :

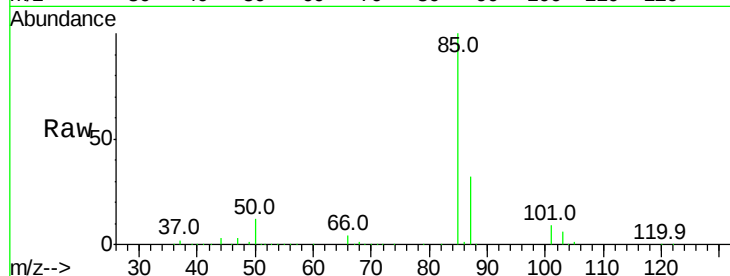
VSTD05033

Tgt Ion: 85 Resp: 231588

Ion Ratio Lower Upper

85 100

87 31.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037598.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037598.D (-10) (-)

1.39

250000

200000

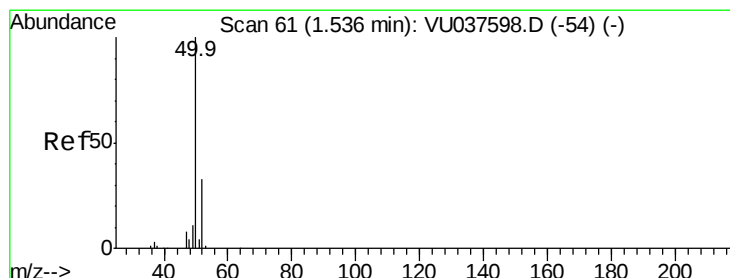
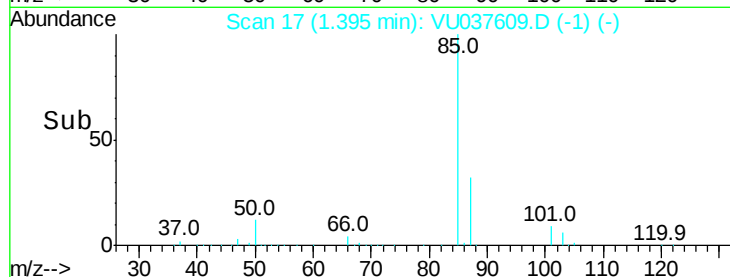
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 69.373 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037609.D

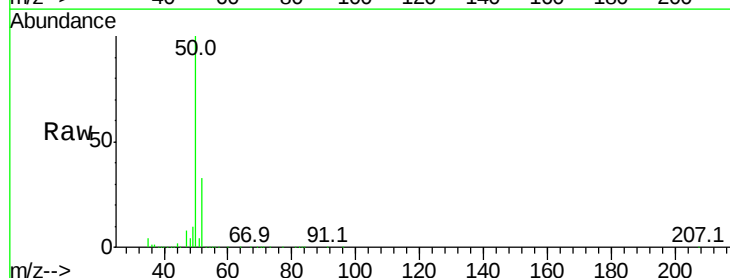
Acq: 09 Apr 2020 10:33

Tgt Ion: 50 Resp: 270968

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037598.D (-54) (-)

Ion 52.00 (51.70 to 52.70): VU037598.D (-54) (-)

1.54

300000

250000

200000

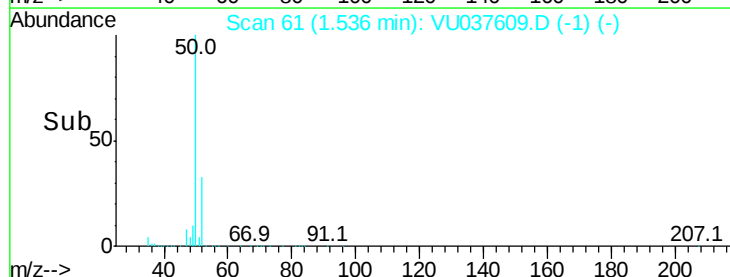
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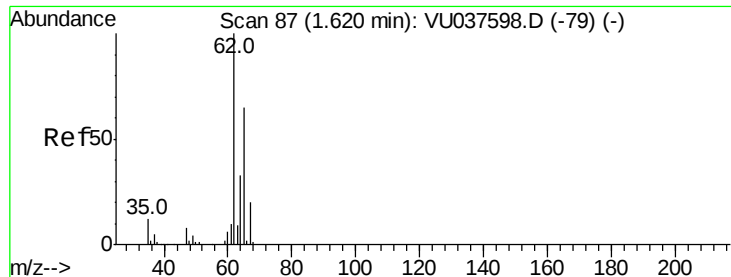
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 72.388 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

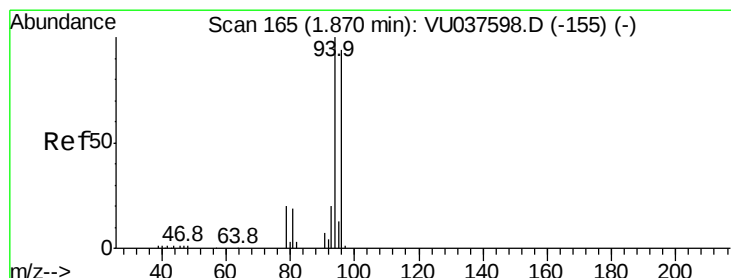
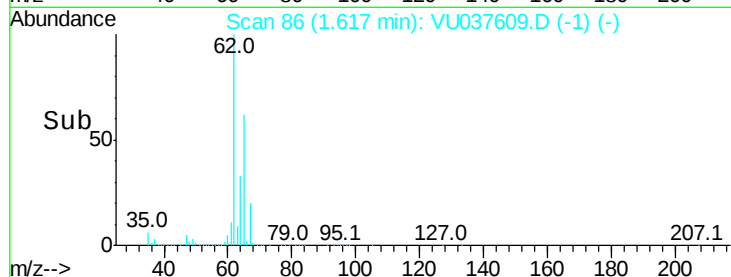
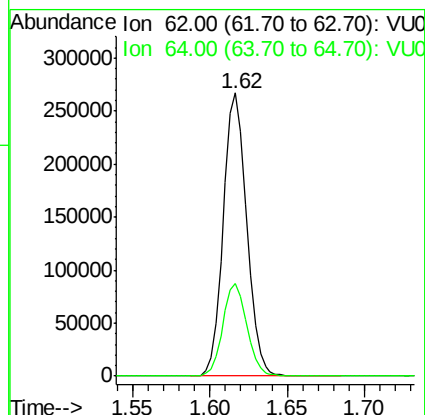
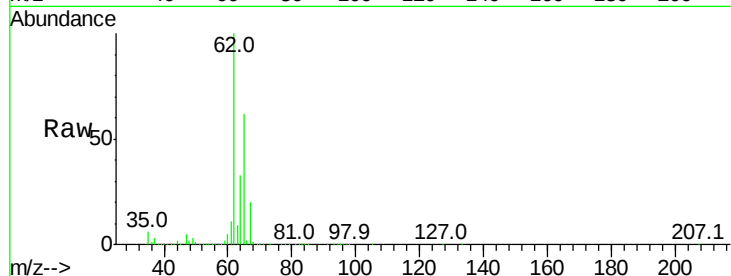
VSTD05033

Tgt Ion: 62 Resp: 280765

Ion Ratio Lower Upper

62 100

64 32.6 24.0 44.6



#6

Bromomethane

Concen: 76.497 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037609.D

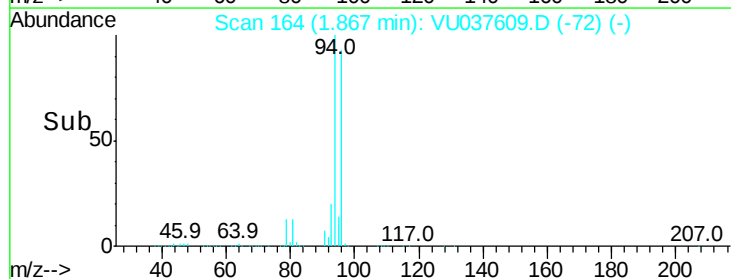
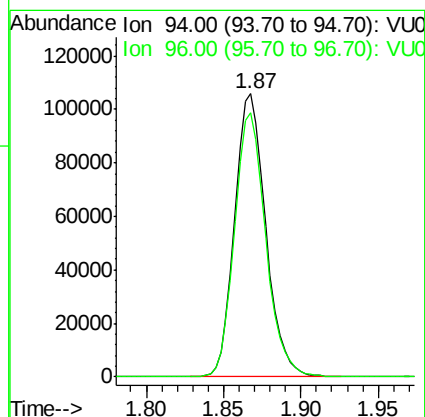
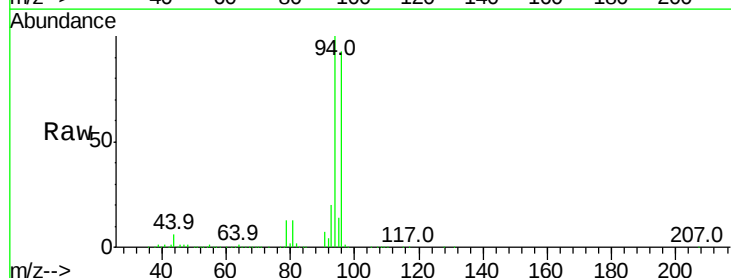
Acq: 09 Apr 2020 10:33

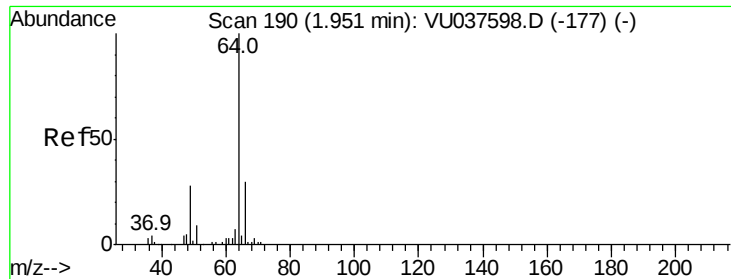
Tgt Ion: 94 Resp: 146332

Ion Ratio Lower Upper

94 100

96 93.2 64.4 119.6

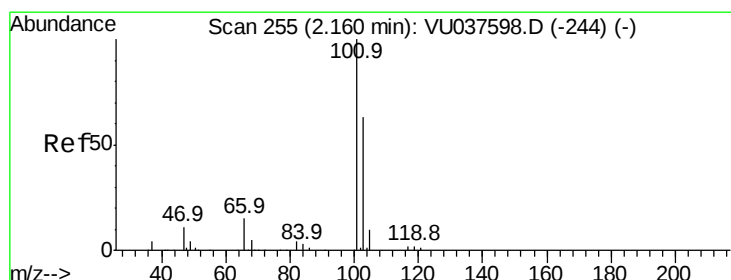
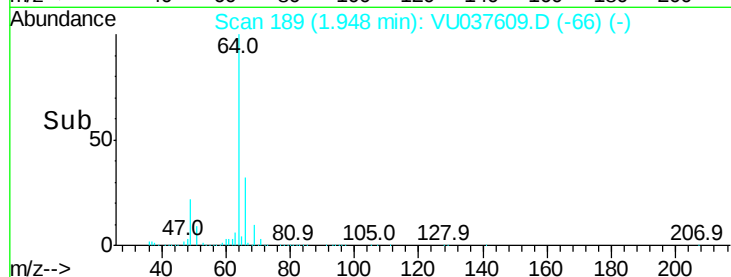
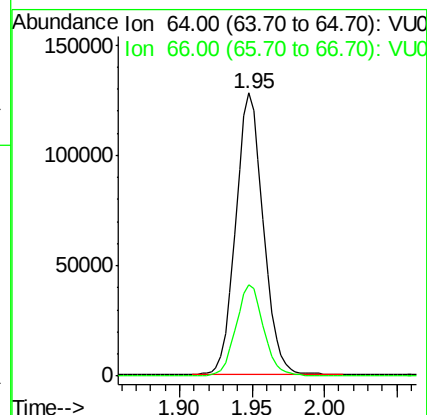
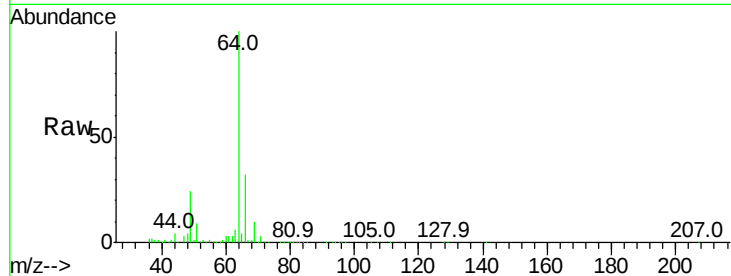




#8
Chloroethane
Concen: 73.078 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

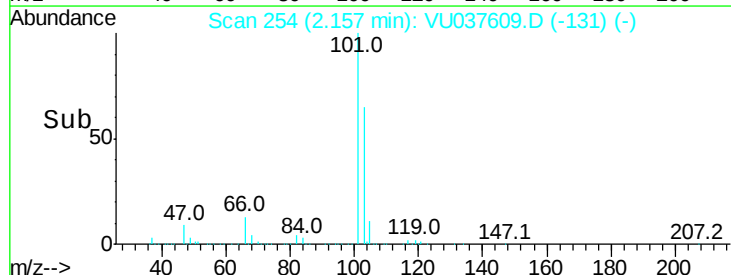
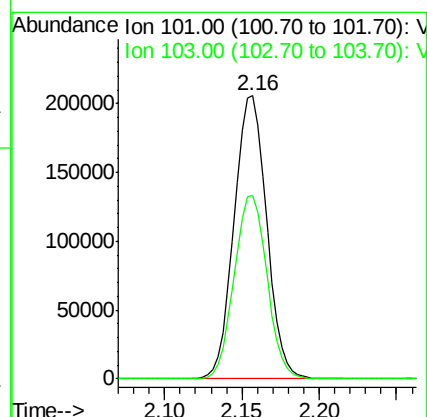
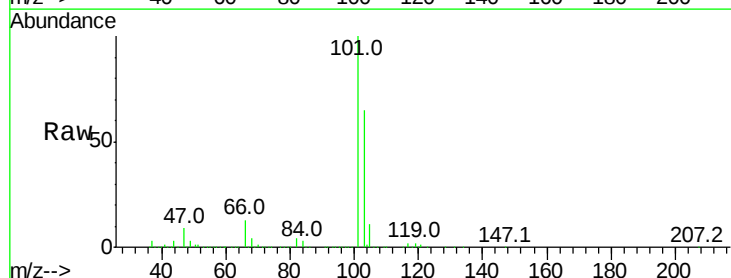
Instrument :
MSVOA_U
ClientSampled :
VSTD05033

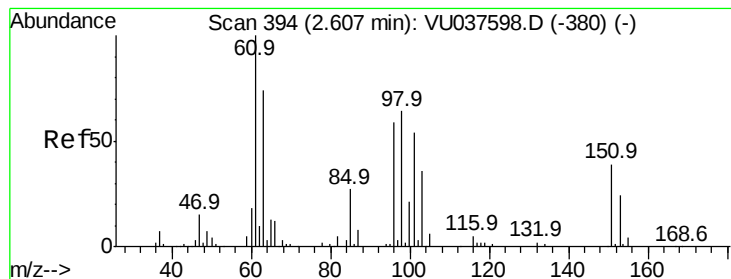
Tgt Ion: 64 Resp: 167170
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 54.558 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

Tgt Ion: 101 Resp: 300220
Ion Ratio Lower Upper
101 100
103 65.2 51.2 76.8





#10

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

Concen: 58.419 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

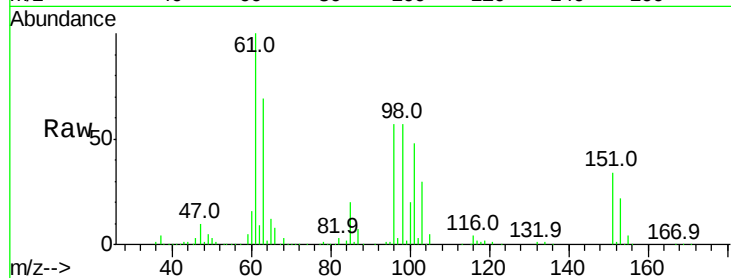
Tgt Ion:101 Resp: 183359

Ion Ratio Lower Upper

101 100

85 43.1 35.4 53.2

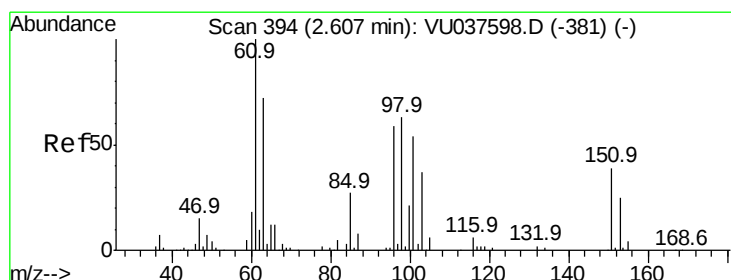
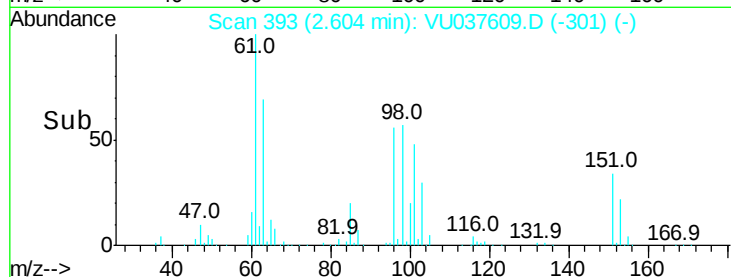
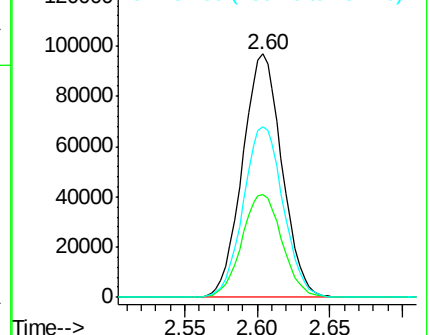
151 71.0 55.3 82.9



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: 60.689 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

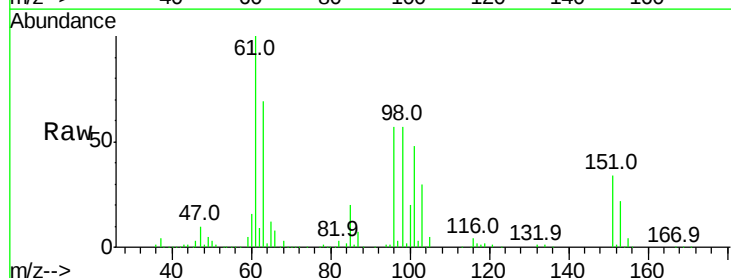
Tgt Ion: 96 Resp: 184907

Ion Ratio Lower Upper

96 100

61 176.6 117.2 217.8

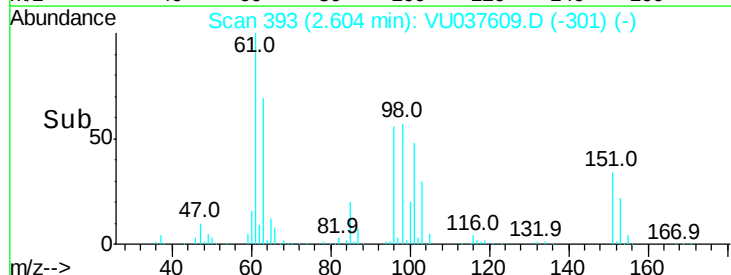
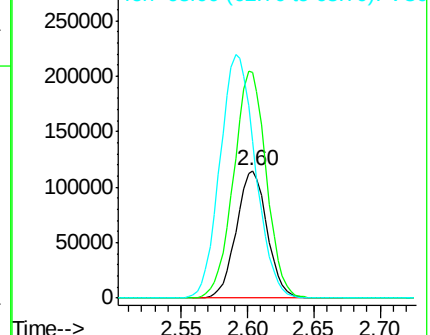
63 122.4 90.9 168.9

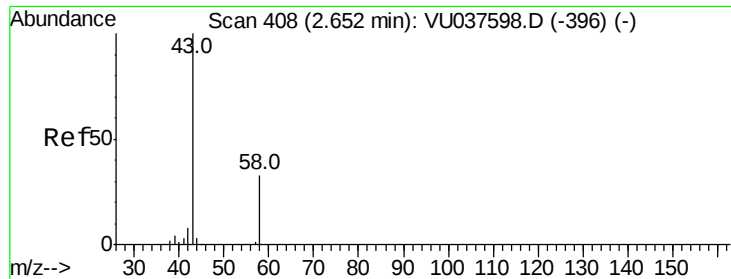


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 123.152 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

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ClientSampleId :

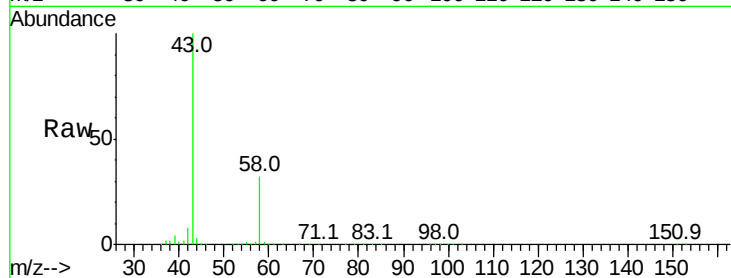
VSTD05033

Tgt Ion: 43 Resp: 247500

Ion Ratio Lower Upper

43 100

58 31.6 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VU037598.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037598.D (-396) (-)

2.65

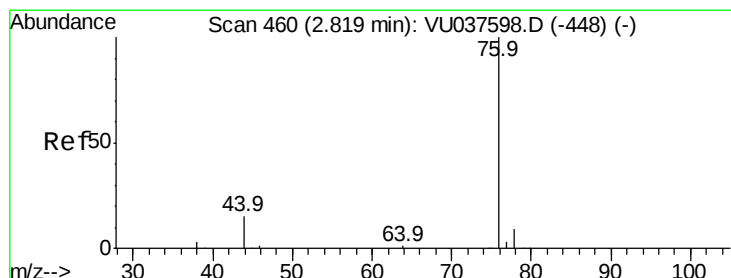
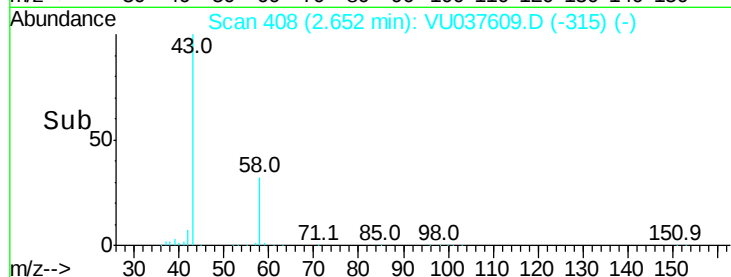
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 70.708 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037609.D

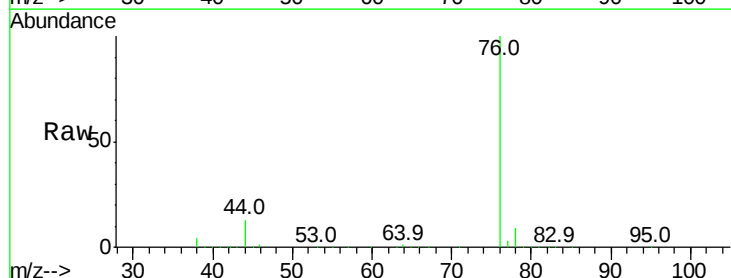
Acq: 09 Apr 2020 10:33

Tgt Ion: 76 Resp: 622295

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU037598.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU037598.D (-448) (-)

2.82

400000

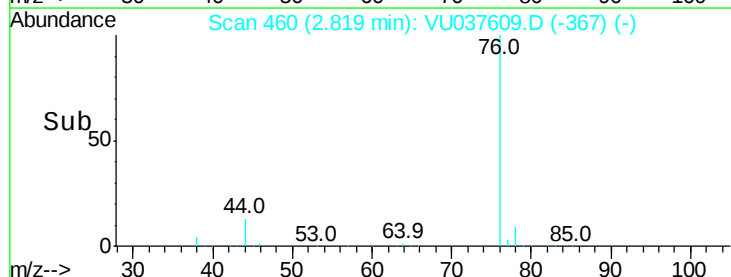
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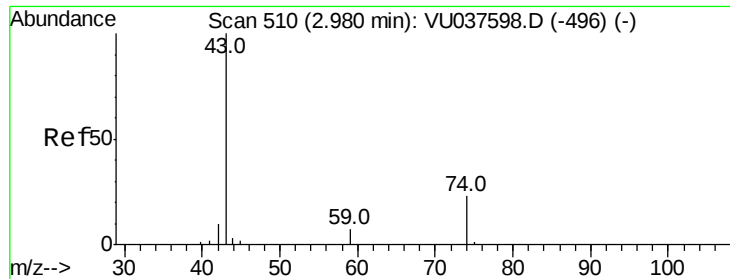
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100000

0

Time-->

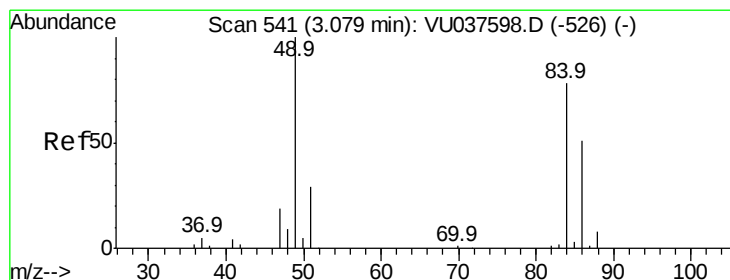
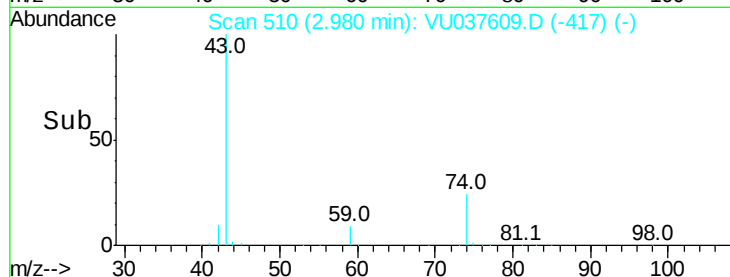
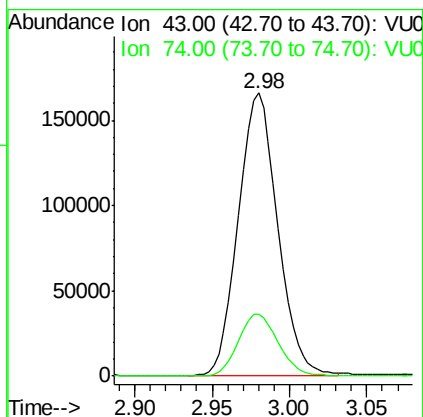
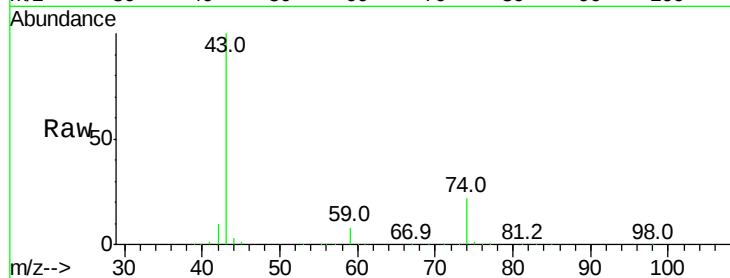




#15
Methyl Acetate
Concen: 64.337 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

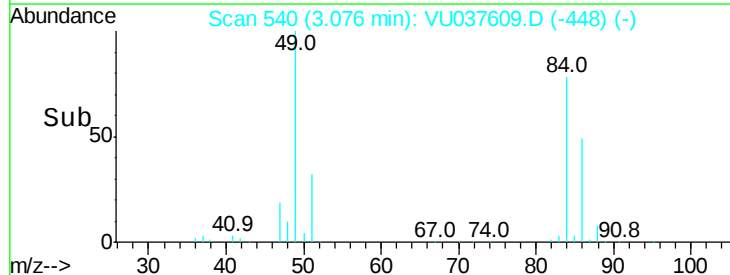
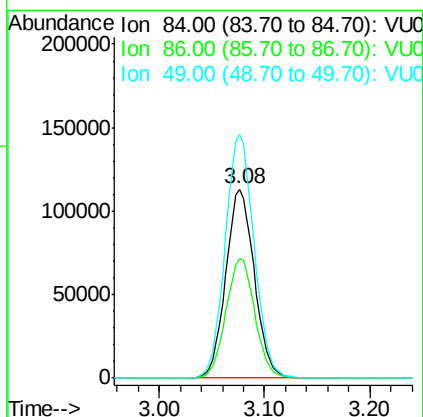
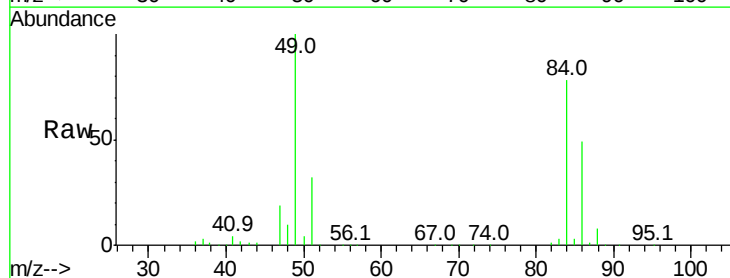
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

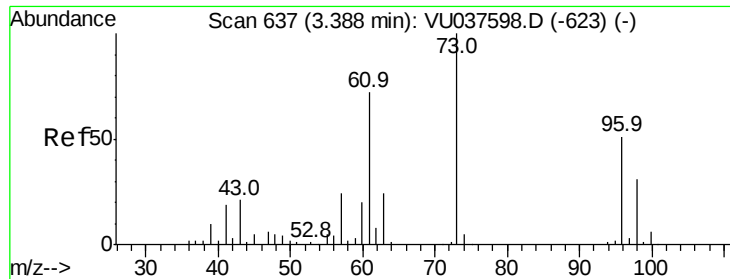
Tgt Ion: 43 Resp: 293000
Ion Ratio Lower Upper
43 100
74 22.4 18.8 28.2



#16
Methylene chloride
Concen: 57.064 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

Tgt Ion: 84 Resp: 210891
Ion Ratio Lower Upper
84 100
86 63.0 44.8 83.2
49 129.0 89.7 166.5

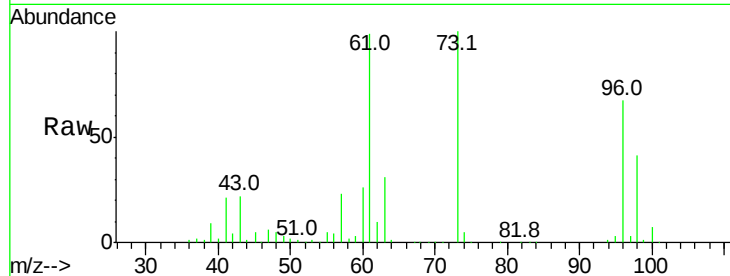




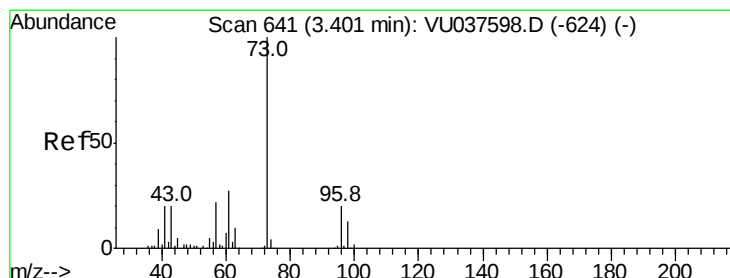
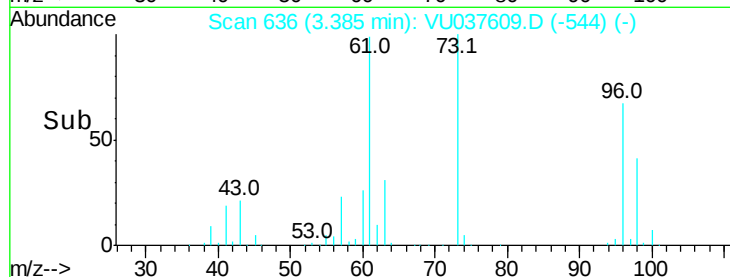
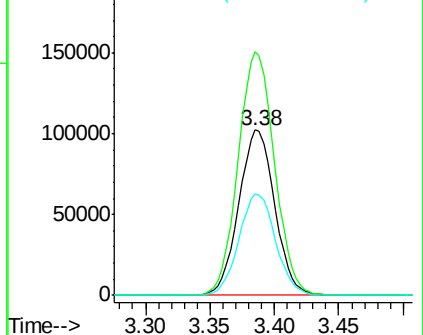
#17
trans-1,2-Dichloroethene
Concen: 60.505 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Tgt Ion: 96 Resp: 198508
Ion Ratio Lower Upper
96 100
61 147.4 97.3 180.7
98 61.6 42.7 79.3

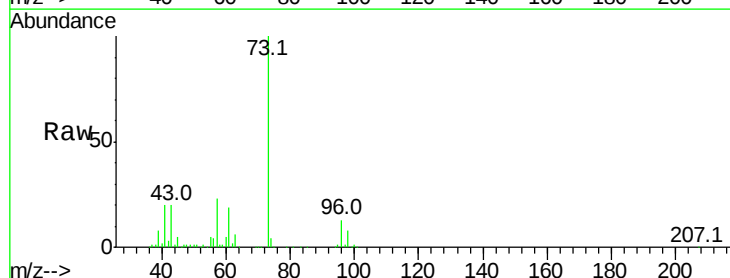


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

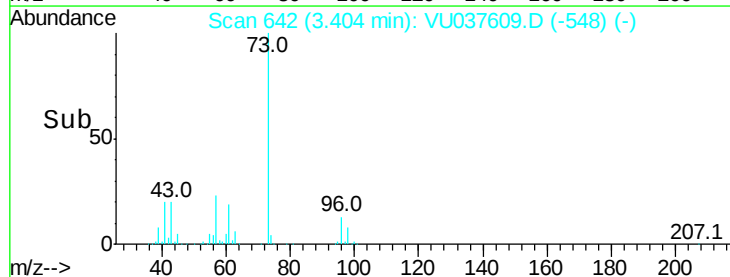
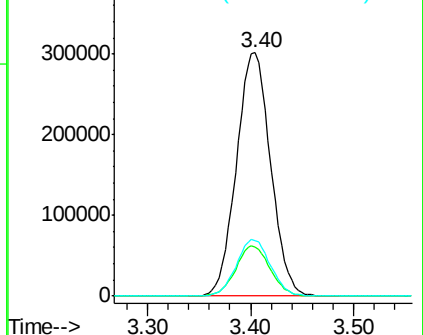


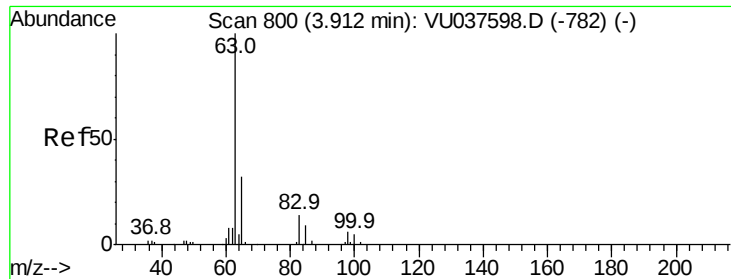
#18
Methyl tert-butyl Ether
Concen: 60.447 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

Tgt Ion: 73 Resp: 695174
Ion Ratio Lower Upper
73 100
43 20.4 16.4 24.6
57 22.9 17.7 26.5



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: 60.470 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

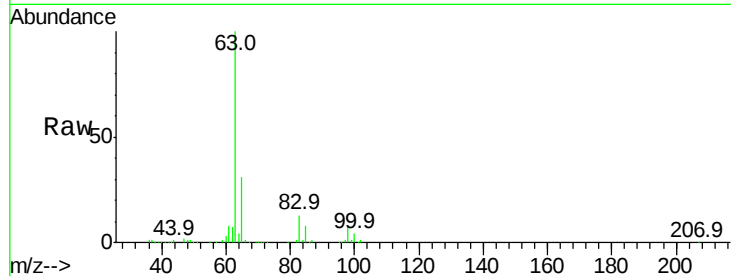
Tgt Ion: 63 Resp: 388702

Ion Ratio Lower Upper

63 100

65 31.3 23.2 43.2

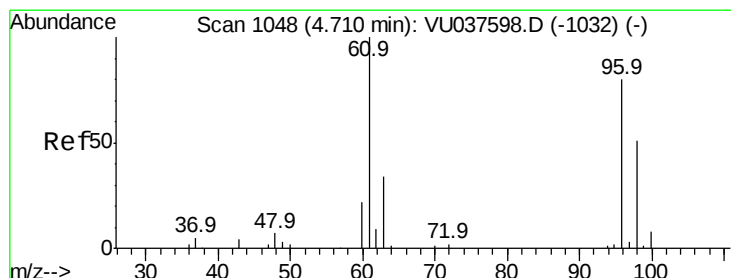
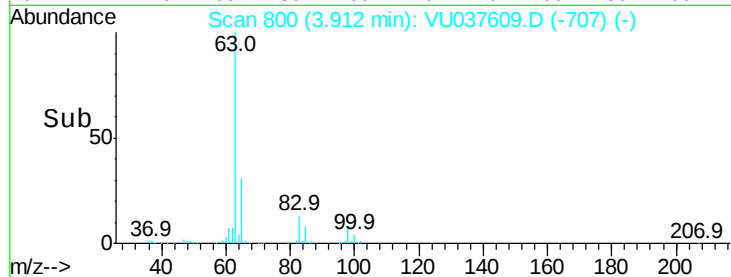
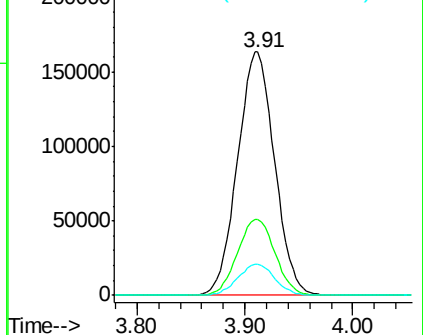
83 12.8 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU037598.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU037598.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU037598.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 57.518 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

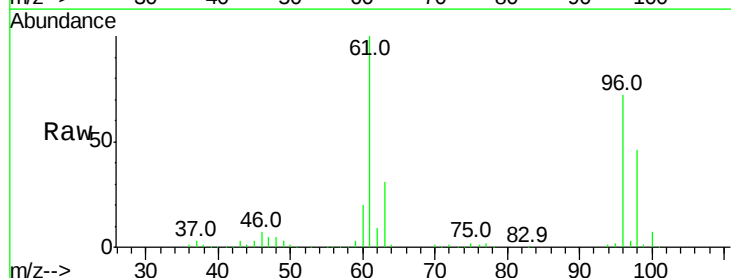
Tgt Ion: 96 Resp: 217310

Ion Ratio Lower Upper

96 100

61 139.3 90.2 167.6

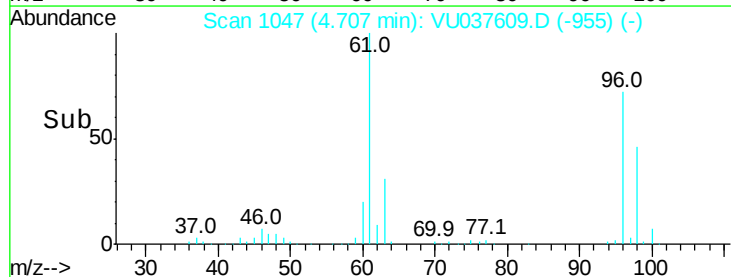
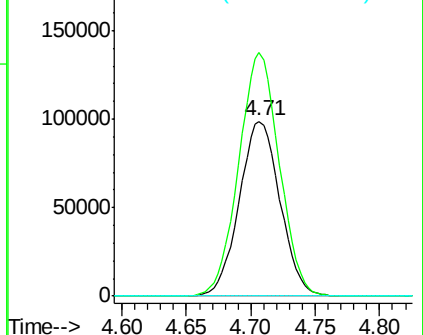
68 0.0 0.0 0.0

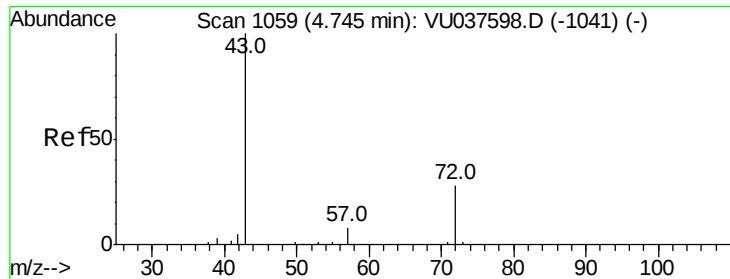


Abundance Ion 96.00 (95.70 to 96.70): VU037598.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU037598.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU037598.D (-1032) (-)





#22

2-Butanone

Concen: 131.336 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

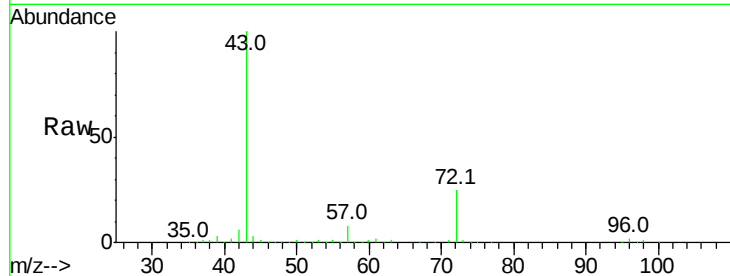
VSTD05033

Tgt Ion: 43 Resp: 430813

Ion Ratio Lower Upper

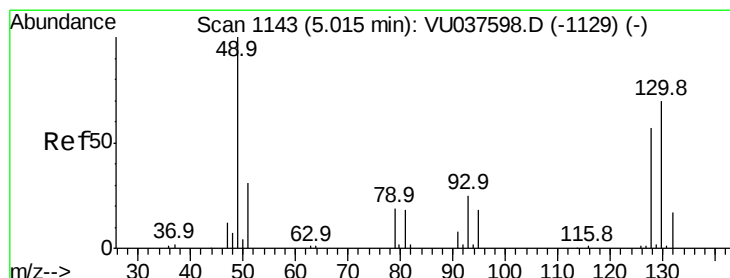
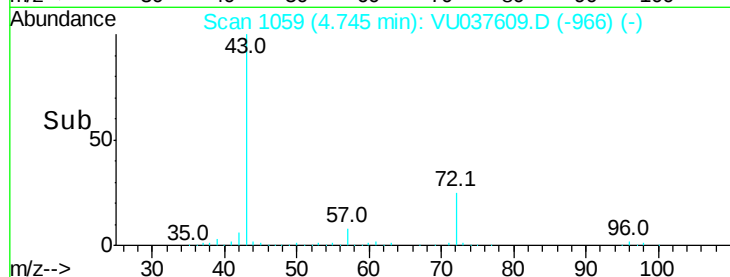
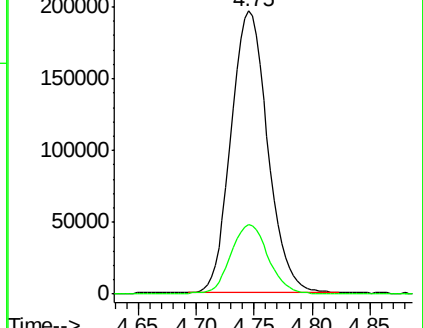
43 100

72 25.6 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU037609.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037609.D (-966) (-)



#23

Bromochloromethane

Concen: 59.058 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Tgt Ion: 128 Resp: 107097

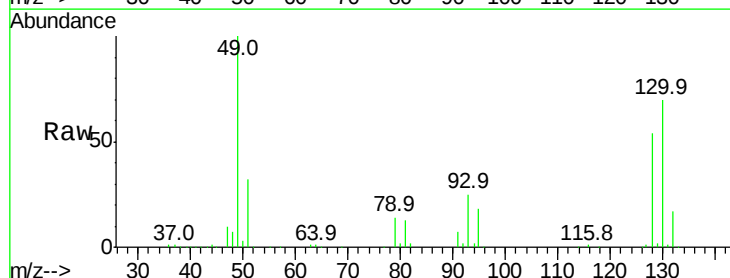
Ion Ratio Lower Upper

128 100

49 183.8 127.3 236.5

130 128.5 93.9 174.5

51 58.0 49.4 74.0

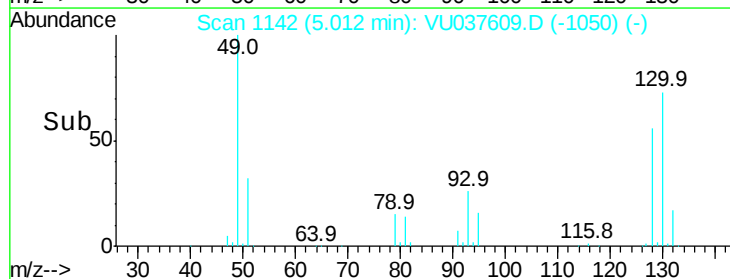
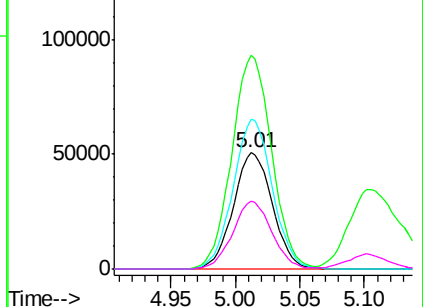


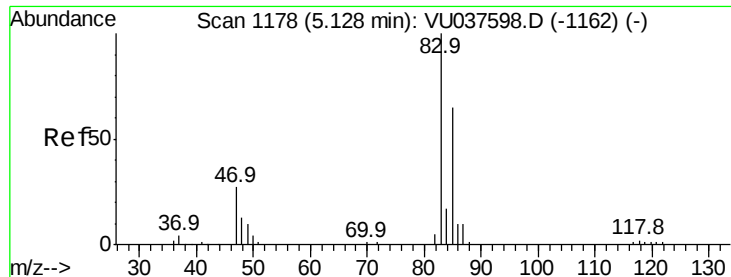
Abundance Ion 128.00 (127.70 to 128.70): VU037609.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU037609.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU037609.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU037609.D (-1050) (-)

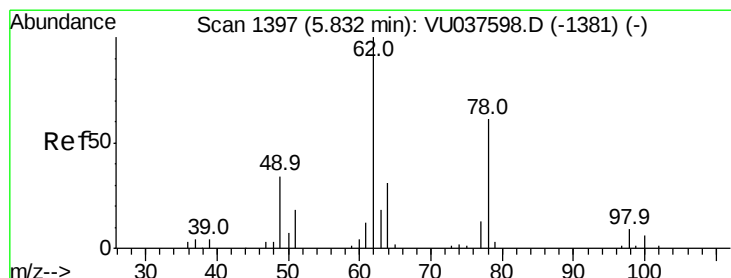
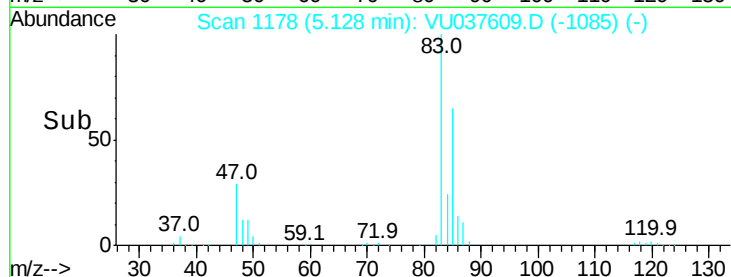
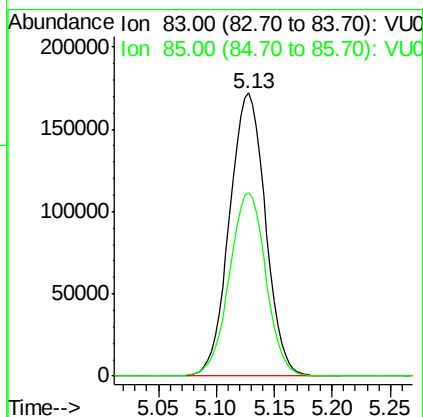
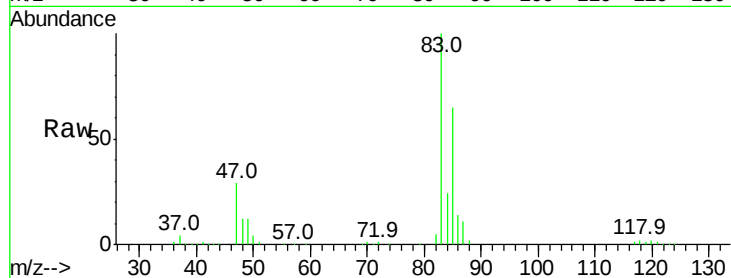




#25
Chloroform
Concen: 55.335 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

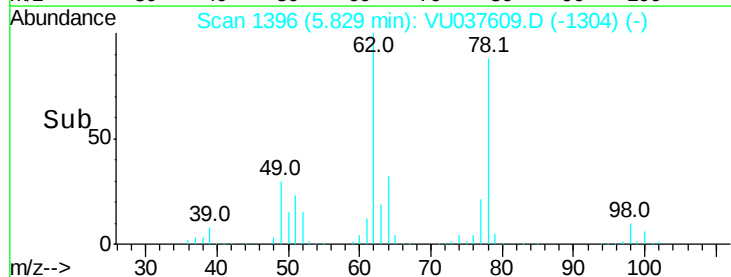
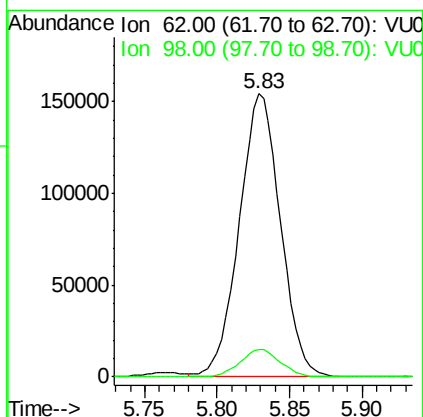
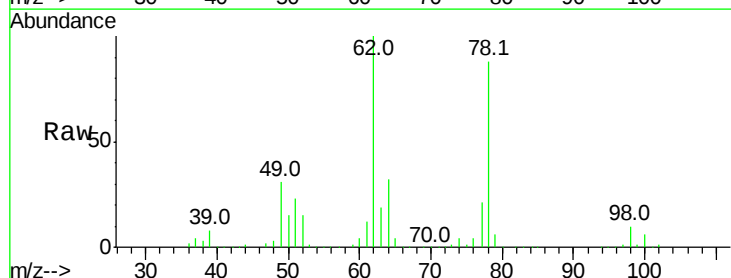
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

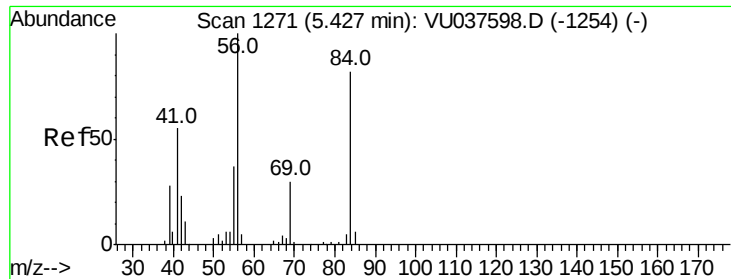
Tgt Ion: 83 Resp: 370856
Ion Ratio Lower Upper
83 100
85 65.0 43.7 81.1



#27
1,2-Dichloroethane
Concen: 58.574 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

Tgt Ion: 62 Resp: 302963
Ion Ratio Lower Upper
62 100
98 9.7 7.1 10.7

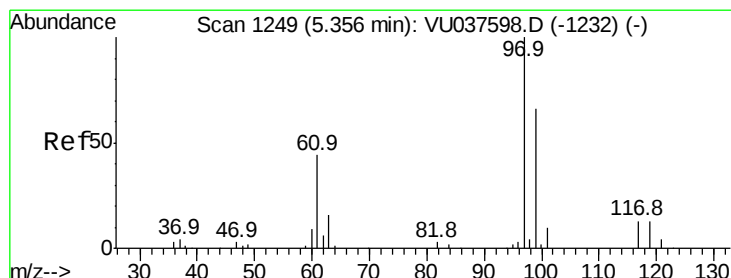
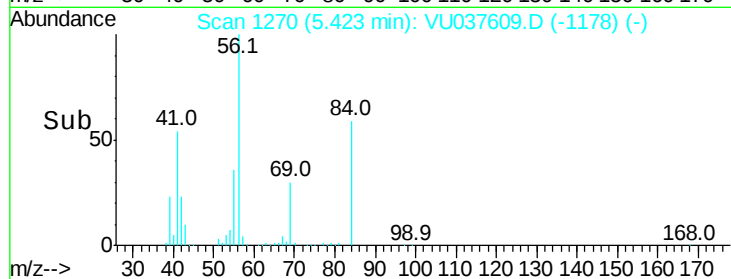
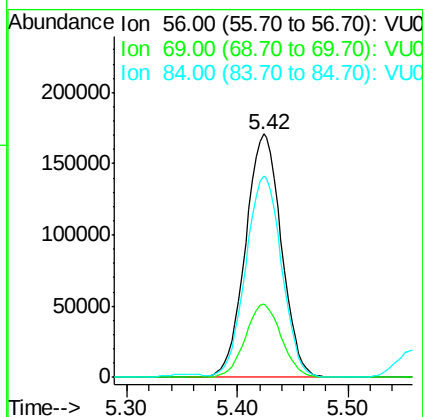
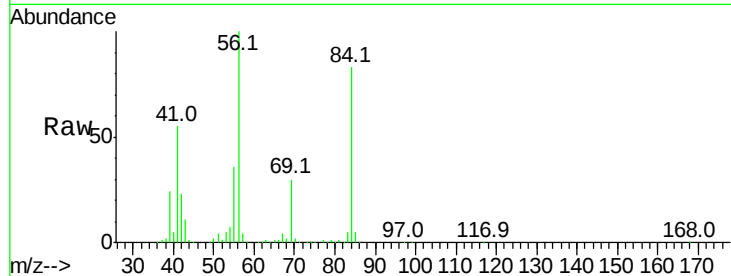




#29
Cyclohexane
Concen: 67.533 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

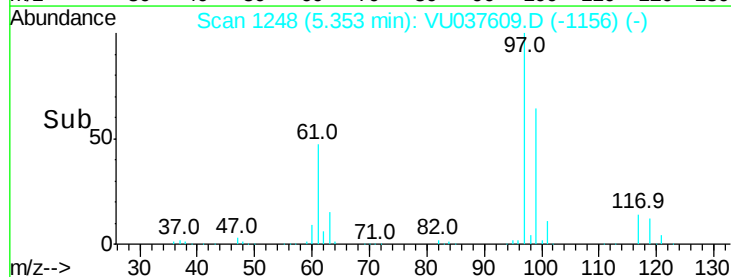
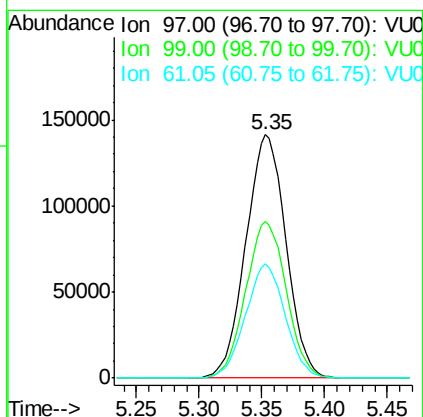
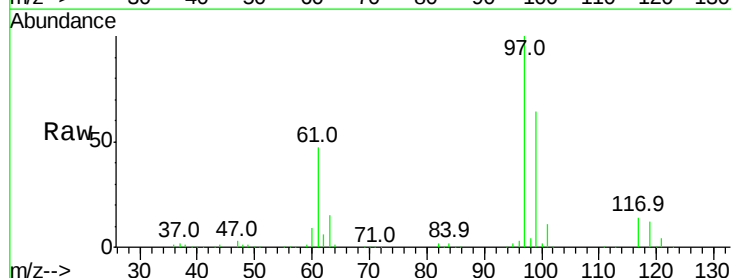
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

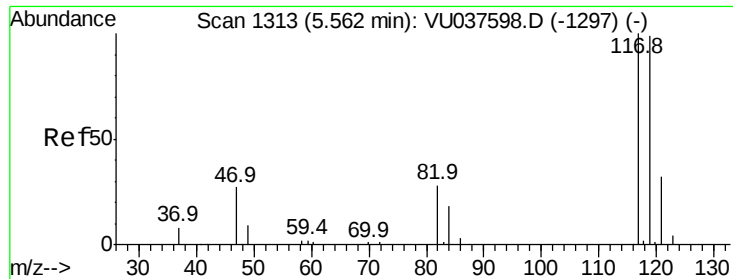
Tgt Ion: 56 Resp: 384499
Ion Ratio Lower Upper
56 100
69 30.0 23.8 35.6
84 82.9 65.4 98.0



#30
1,1,1-Trichloroethane
Concen: 54.800 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

Tgt Ion: 97 Resp: 315579
Ion Ratio Lower Upper
97 100
99 64.9 50.6 75.8
61 46.4 35.8 53.8

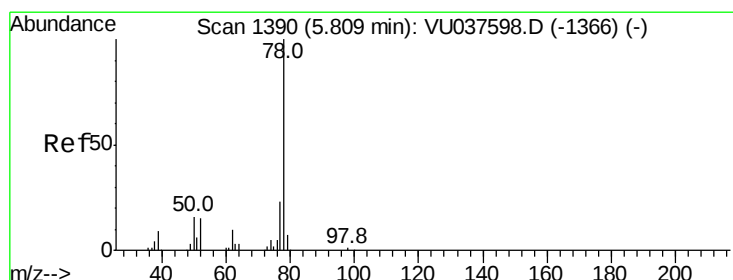
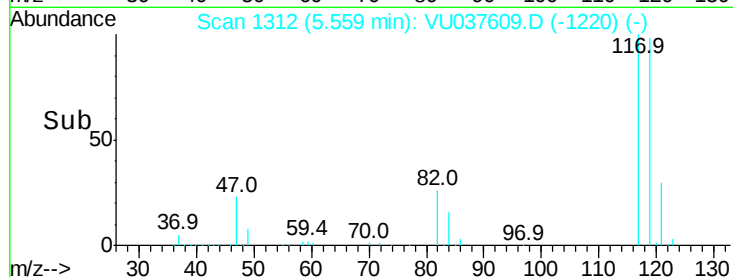
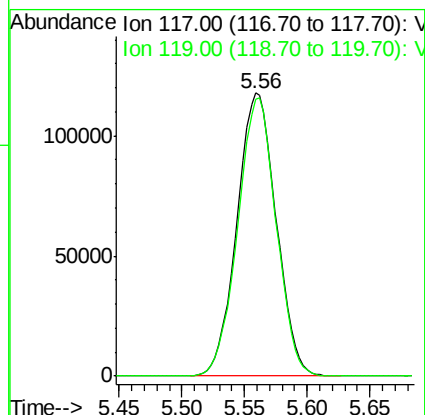
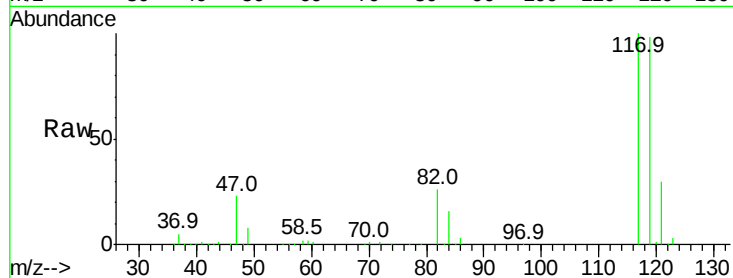




#31
Carbon tetrachloride
Concen: 54.081 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

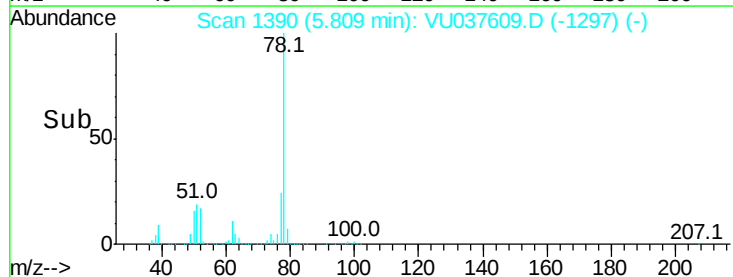
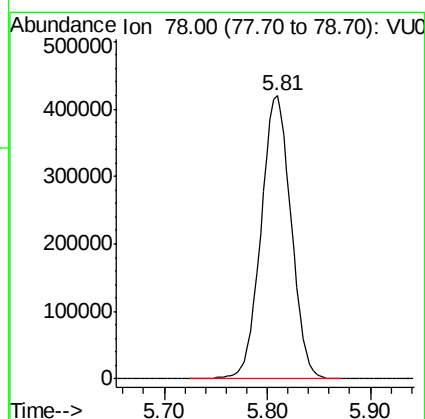
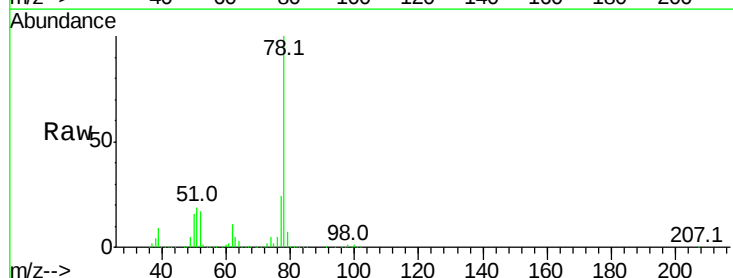
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

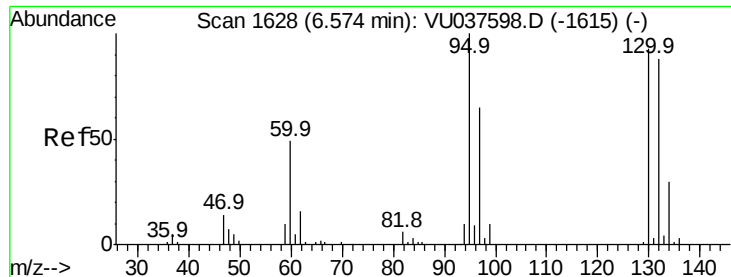
Tgt Ion:117 Resp: 256327
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8



#33
Benzene
Concen: 59.494 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

Tgt Ion: 78 Resp: 846888

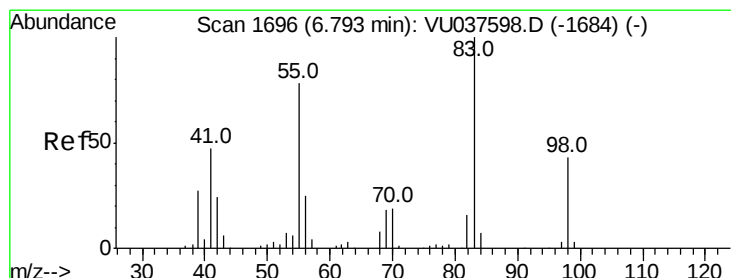
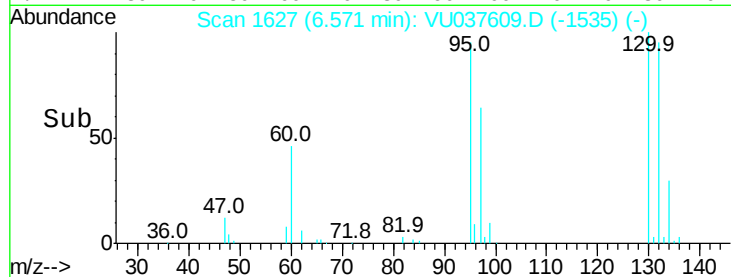
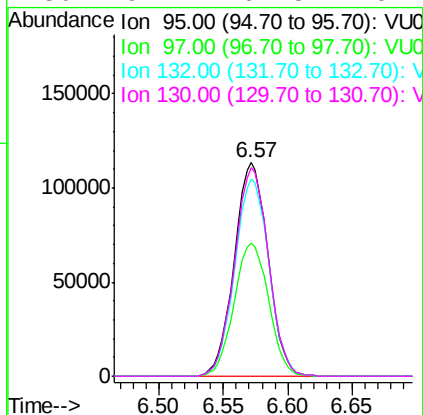
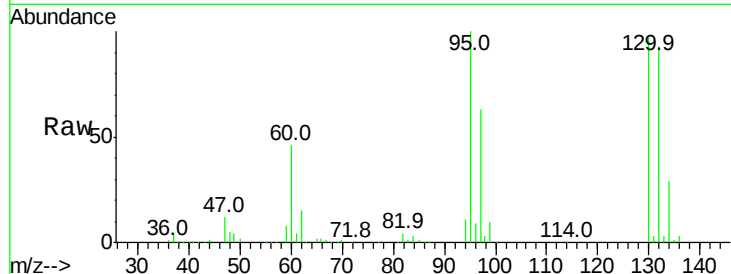




#34
 Trichloroethene
 Concen: 55.517 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037609.D
 Acq: 09 Apr 2020 10:33

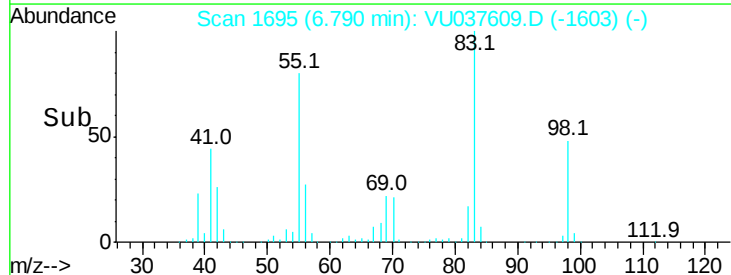
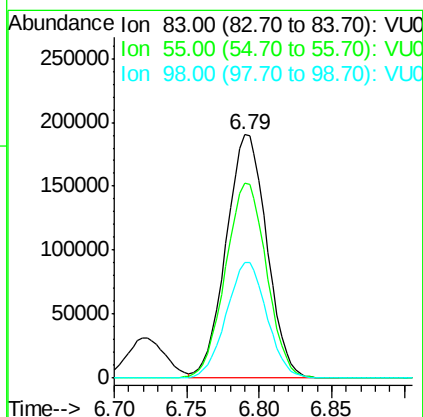
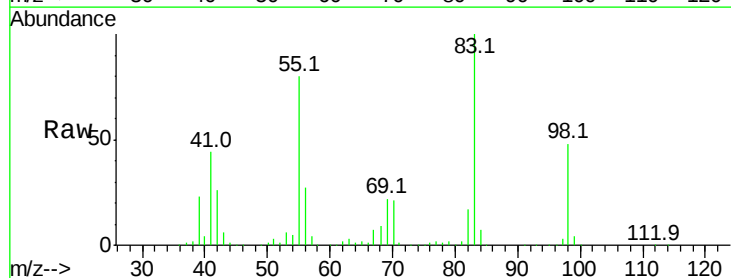
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

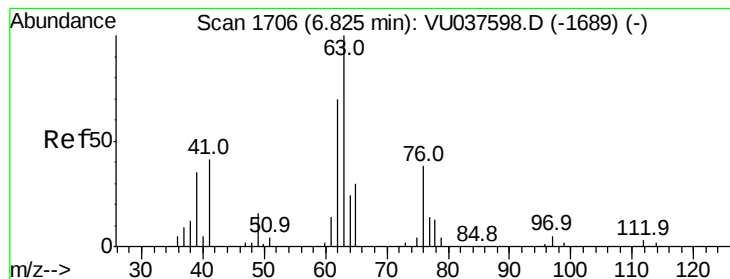
Tgt Ion:	95	Resp:	206639
Ion	Ratio	Lower	Upper
95	100		
97	62.6	45.2	84.0
132	92.6	63.7	118.3
130	97.4	64.5	119.7



#35
 Methylcyclohexane
 Concen: 64.289 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037609.D
 Acq: 09 Apr 2020 10:33

Tgt Ion:	83	Resp:	369727
Ion	Ratio	Lower	Upper
83	100		
55	80.7	61.1	91.7
98	47.5	35.3	52.9





#37

1,2-Dichloropropane

Concen: 57.465 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

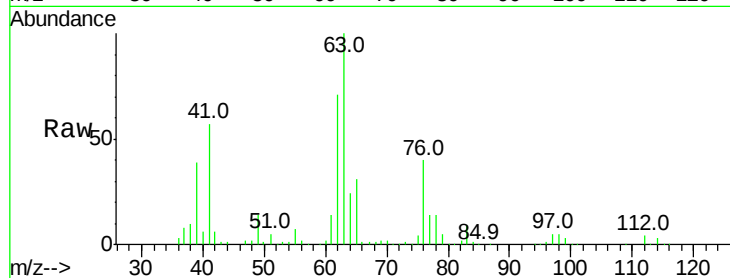
VSTD05033

Tgt Ion: 63 Resp: 233068

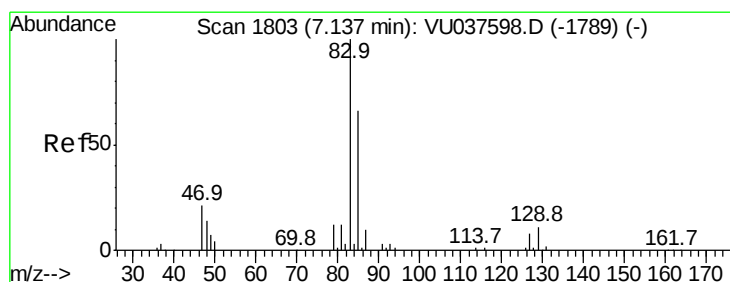
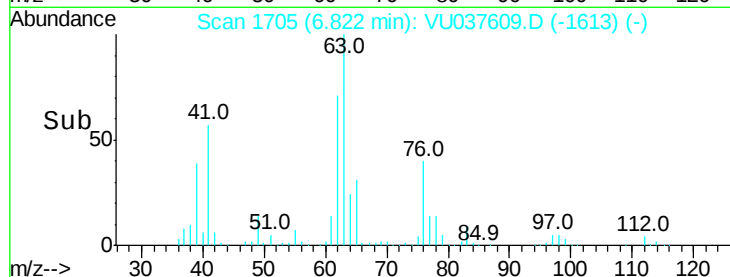
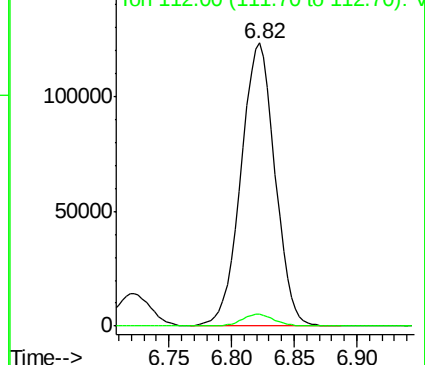
Ion Ratio Lower Upper

63 100

112 4.2 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037598.D (-1689) (-)



#38

Bromodichloromethane

Concen: 53.994 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

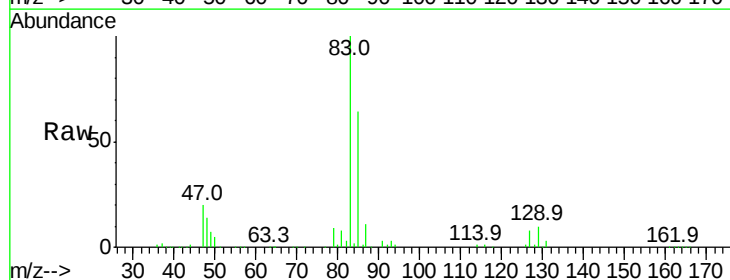
Tgt Ion: 83 Resp: 284821

Ion Ratio Lower Upper

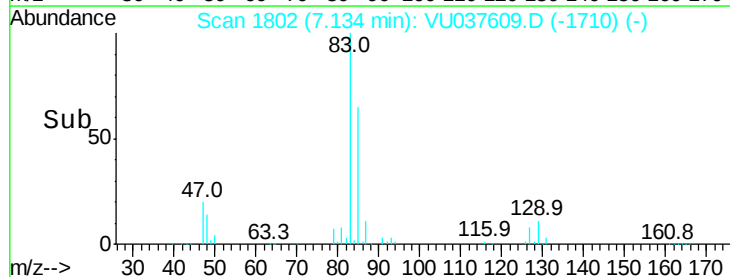
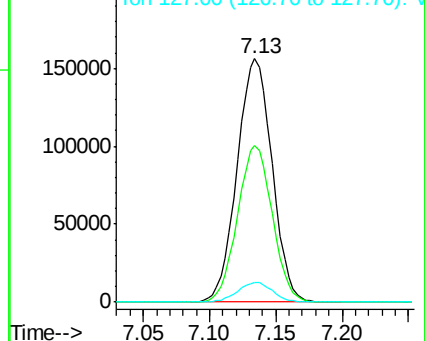
83 100

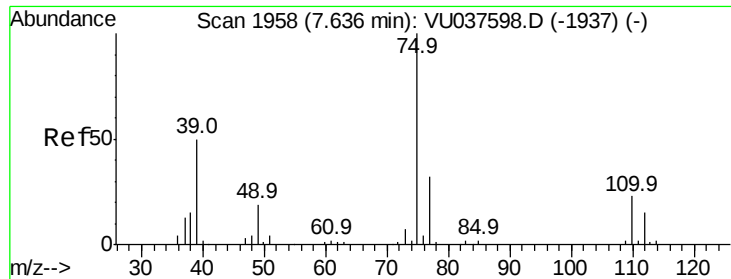
85 64.4 45.2 84.0

127 8.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU037598.D (-1789) (-)

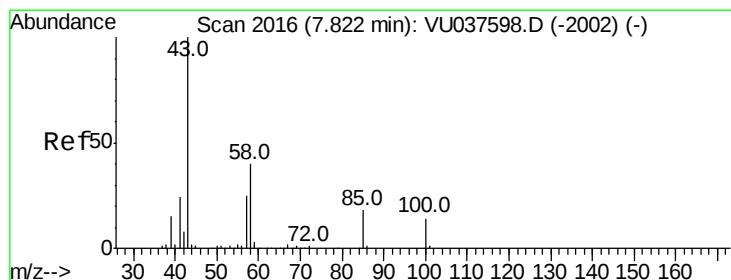
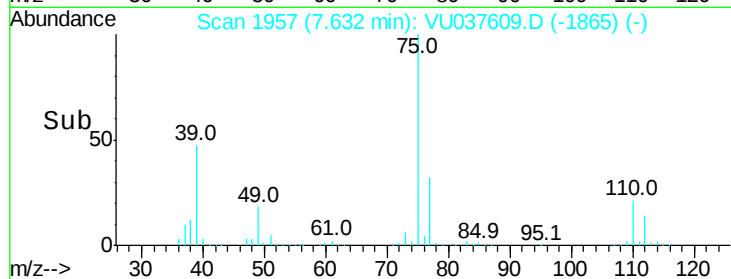
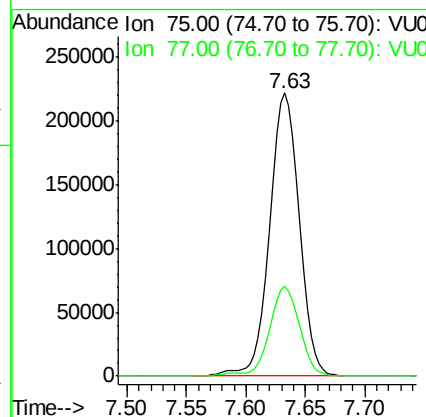
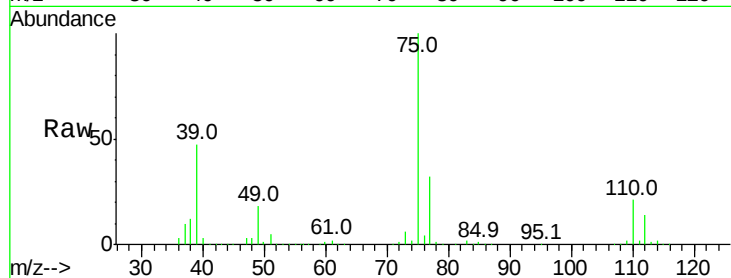




#39
 cis-1,3-Dichloropropene
 Concen: 60.651 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037609.D
 Acq: 09 Apr 2020 10:33

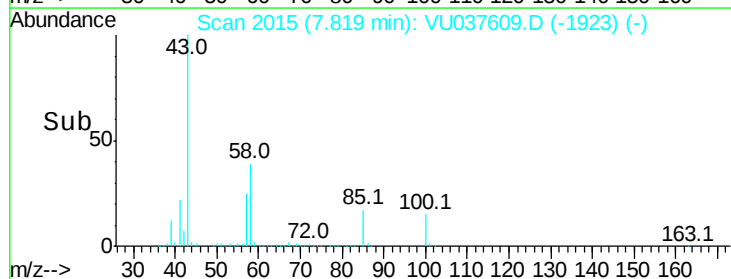
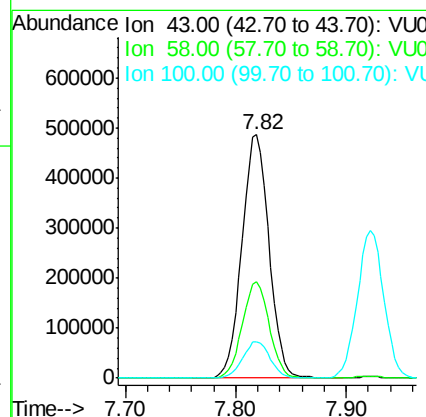
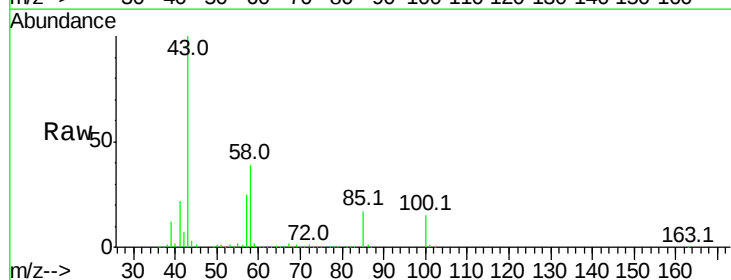
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

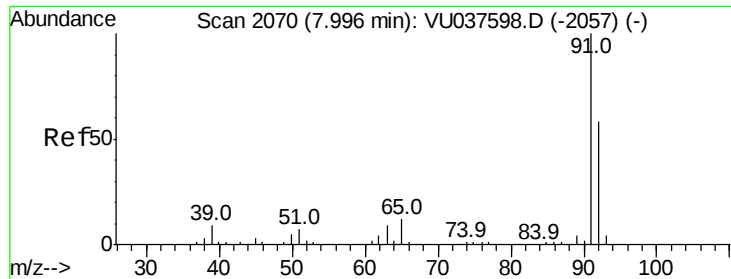
Tgt Ion: 75 Resp: 384217
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 125.327 ug/L
 RT: 7.82 min Scan# 1615
 Delta R.T. -0.00 min
 Lab File: VU037609.D
 Acq: 09 Apr 2020 10:33

Tgt Ion: 43 Resp: 824840
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.4 47.0
 100 15.0 11.0 16.4





#42

Toluene

Concen: 58.375 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

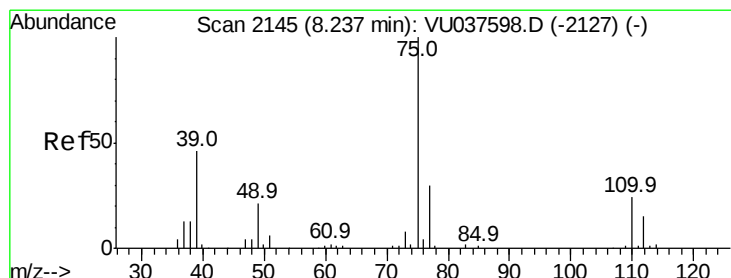
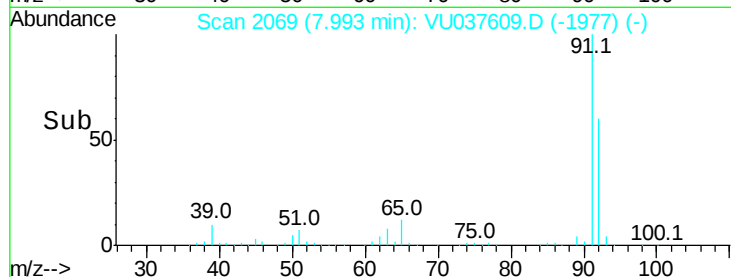
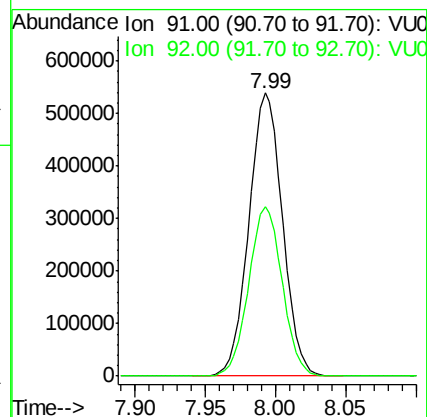
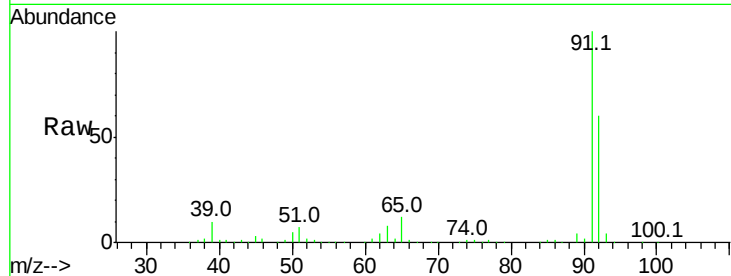
VSTD05033

Tgt Ion: 91 Resp: 899217

Ion Ratio Lower Upper

91 100

92 59.7 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 58.873 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037609.D

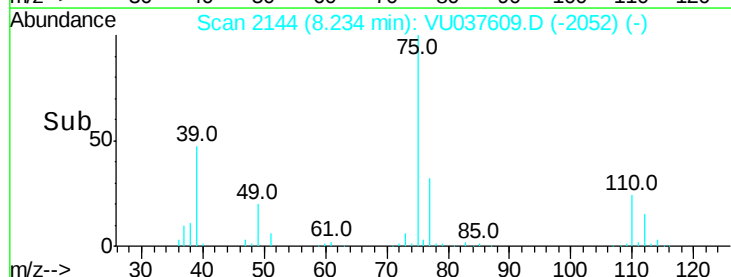
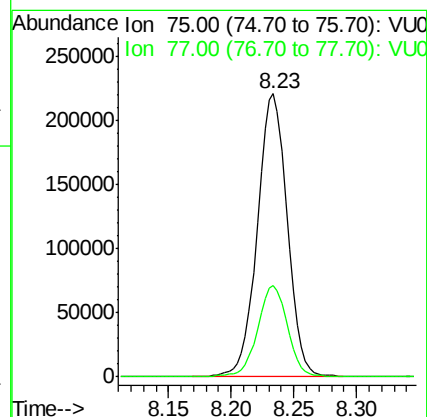
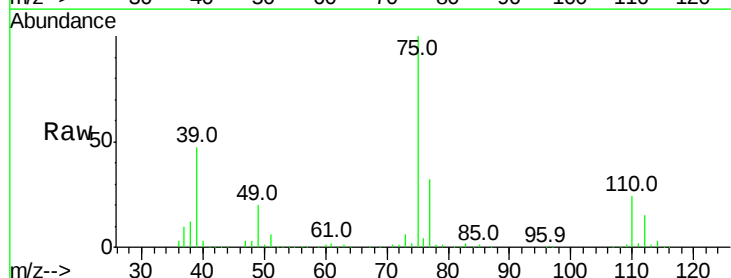
Acq: 09 Apr 2020 10:33

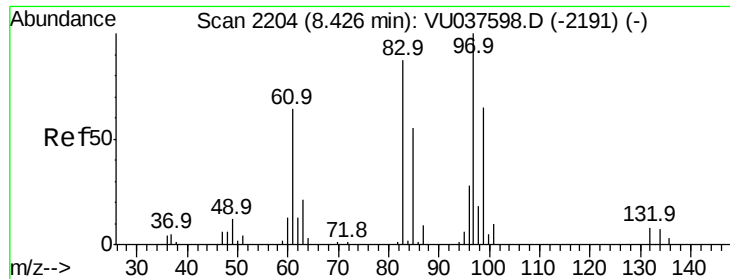
Tgt Ion: 75 Resp: 367276

Ion Ratio Lower Upper

75 100

77 32.4 23.4 43.6

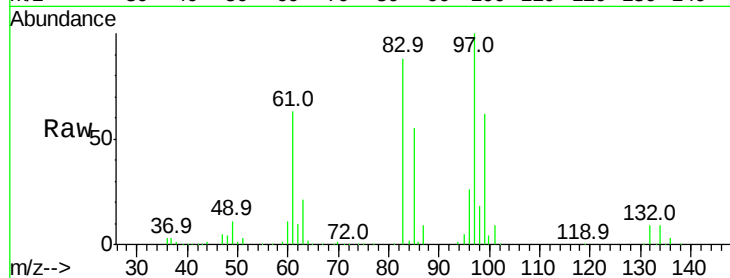




#45
 1,1,2-Trichloroethane
 Concen: 56.094 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037609.D
 Acq: 09 Apr 2020 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion:	97	Resp:	207716
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.3	80.5
83	87.5	60.8	112.8
85	54.9	37.9	70.5

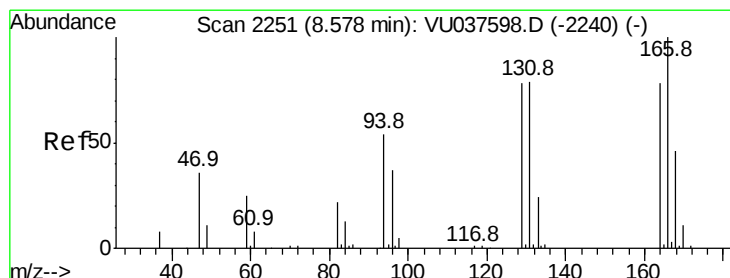
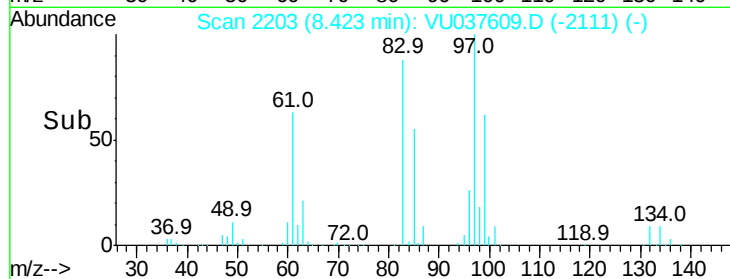
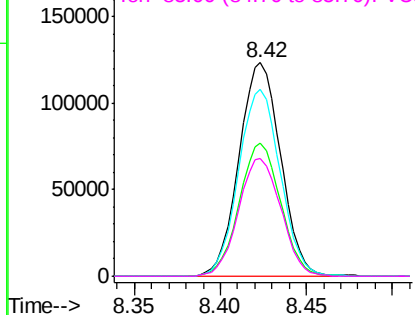


Abundance Ion 97.00 (96.70 to 97.70): VU037598.D (-2191) (-)

Ion 99.00 (98.70 to 99.70): VU037598.D (-2191) (-)

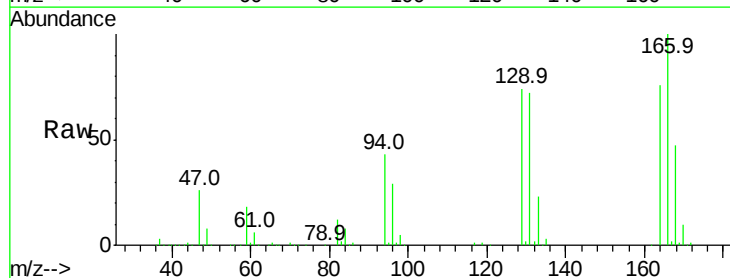
Ion 83.00 (82.70 to 83.70): VU037598.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU037598.D (-2191) (-)



#46
 Tetrachloroethene
 Concen: 60.902 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037609.D
 Acq: 09 Apr 2020 10:33

Tgt Ion:	164	Resp:	152205
Ion	Ratio	Lower	Upper
164	100		
129	97.1	76.5	142.1
131	94.0	71.7	133.1
166	131.5	88.8	165.0

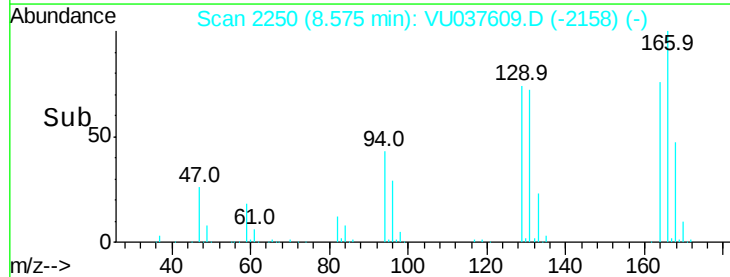
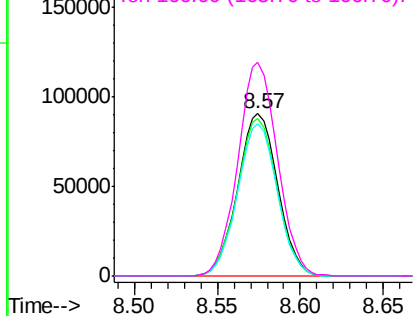


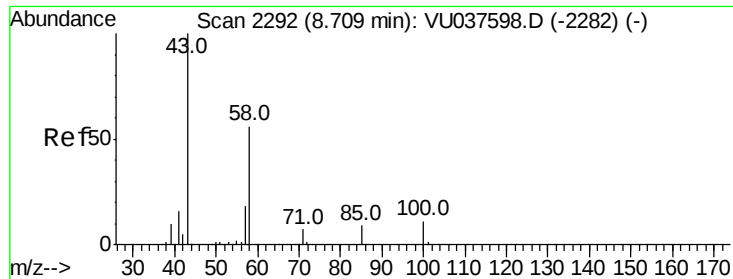
Abundance Ion 164.00 (163.70 to 164.70): VU037598.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU037598.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU037598.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU037598.D (-2240) (-)

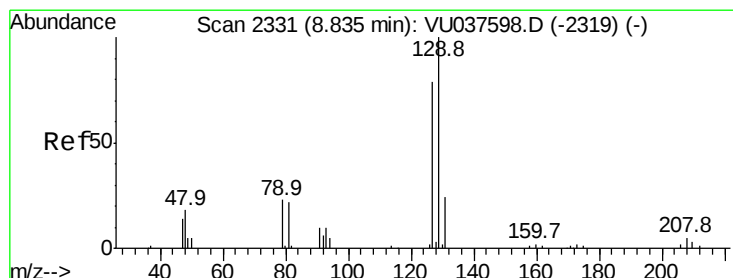
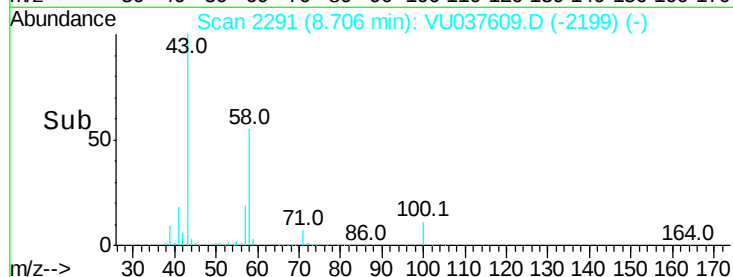
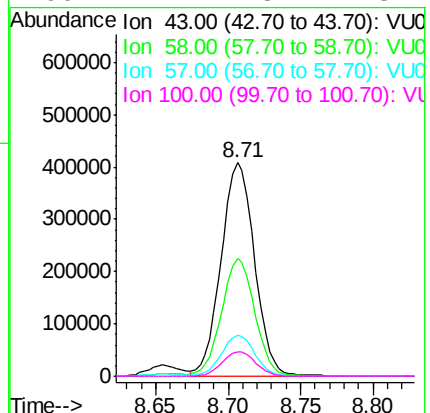
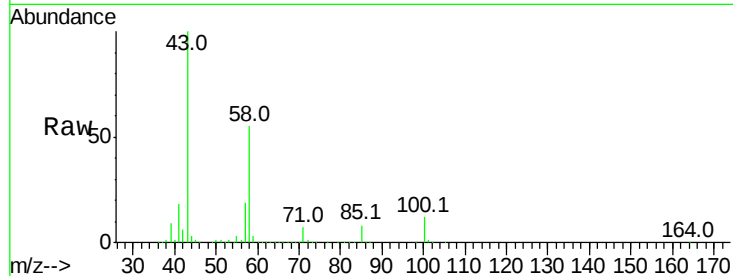




#48
2-Hexanone
Concen: 126.972 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

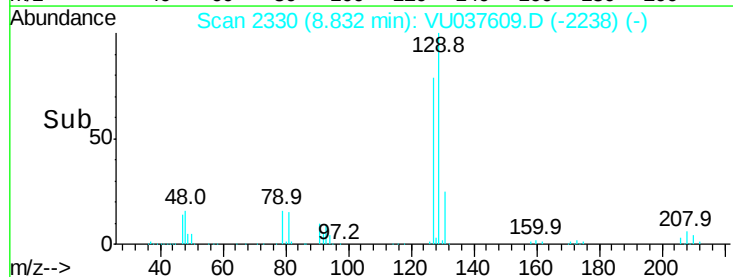
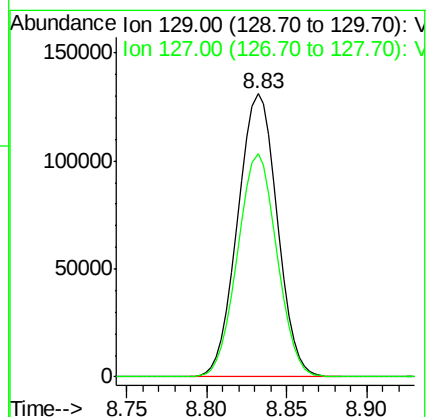
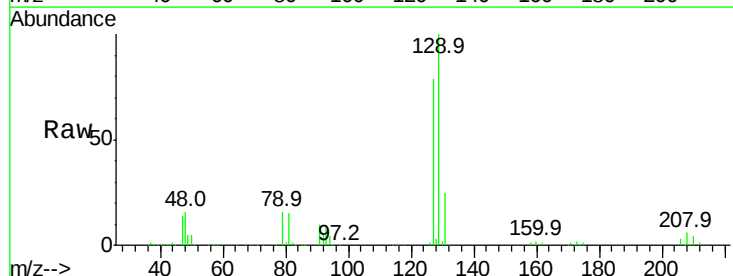
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

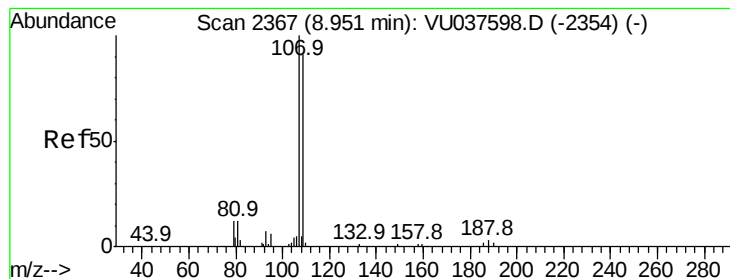
Tgt Ion: 43 Resp: 649865
Ion Ratio Lower Upper
43 100
58 55.0 44.4 66.6
57 19.0 15.1 22.7
100 11.7 8.7 13.1



#49
Dibromochloromethane
Concen: 53.520 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037609.D
Acq: 09 Apr 2020 10:33

Tgt Ion: 129 Resp: 221051
Ion Ratio Lower Upper
129 100
127 78.9 55.0 102.2





#50

1,2-Dibromoethane

Concen: 54.471 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. -0.01 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

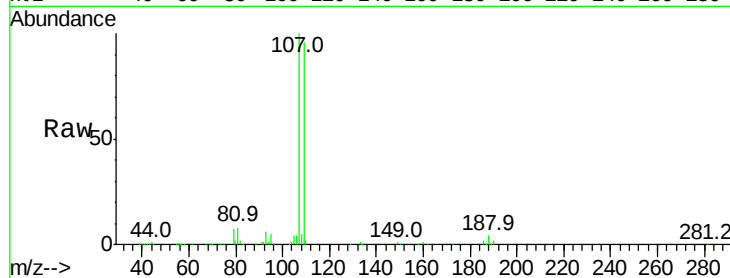
Tgt Ion:107 Resp: 221833

Ion Ratio Lower Upper

107 100

109 96.2 64.1 119.1

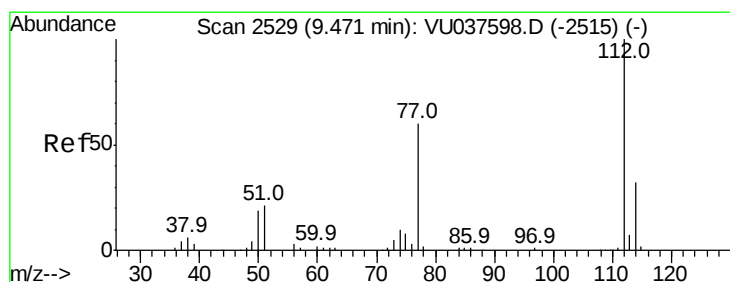
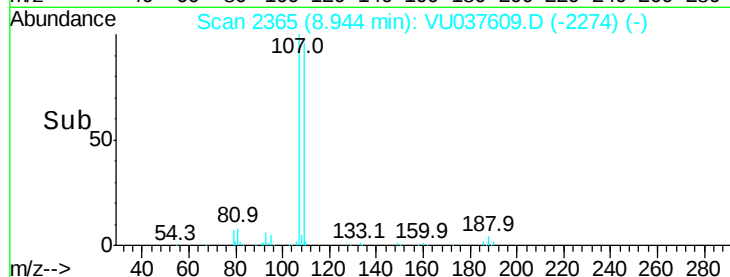
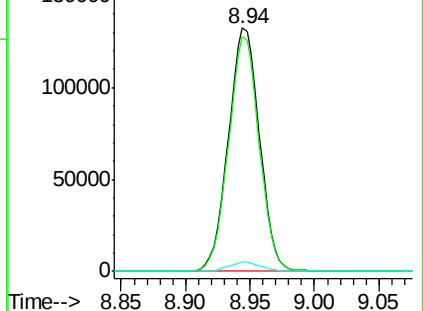
188 3.6 2.3 3.5#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 58.415 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.01 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

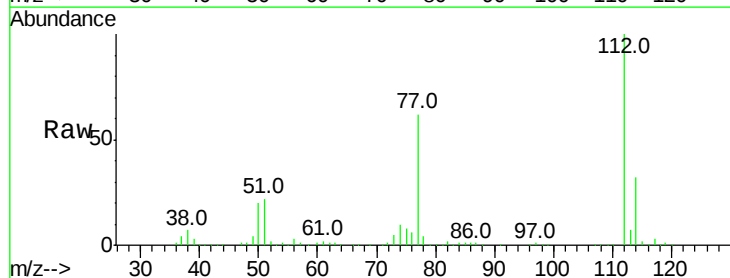
Tgt Ion:112 Resp: 558127

Ion Ratio Lower Upper

112 100

114 32.0 21.0 39.0

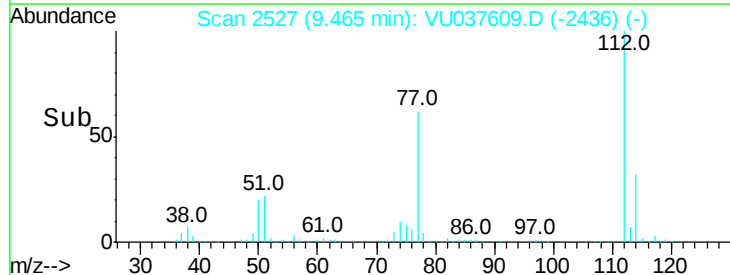
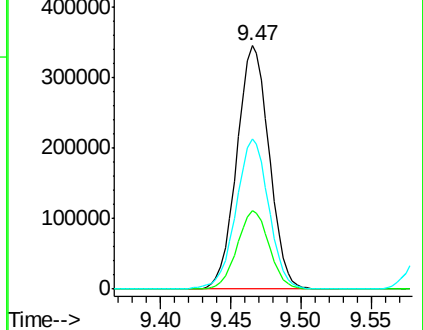
77 61.5 50.2 75.4

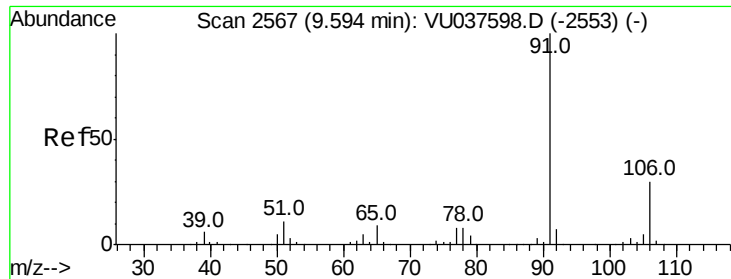


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 57.768 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.01 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

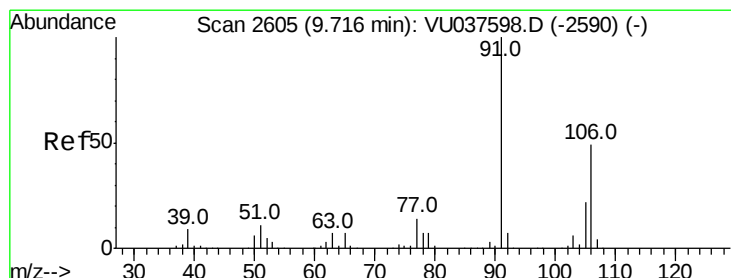
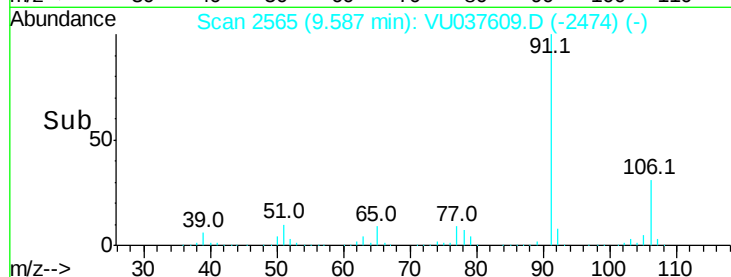
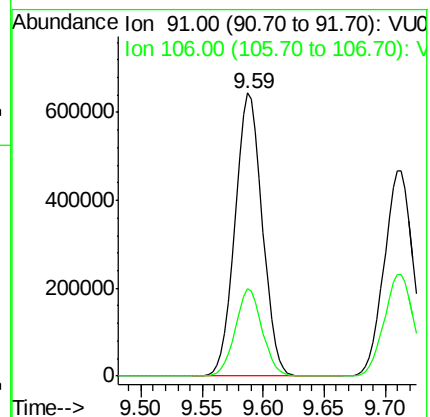
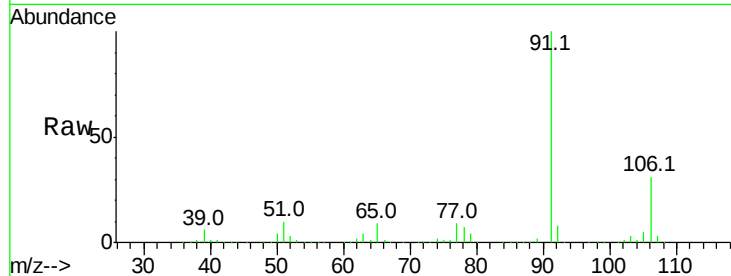
VSTD05033

Tgt Ion: 91 Resp: 1006333

Ion Ratio Lower Upper

91 100

106 30.8 20.8 38.6



#53

m,p-Xylene

Concen: 59.131 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.01 min

Lab File: VU037609.D

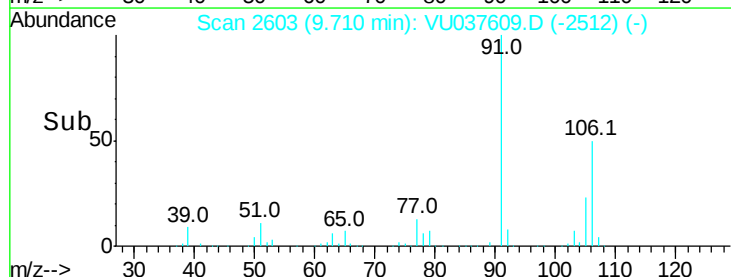
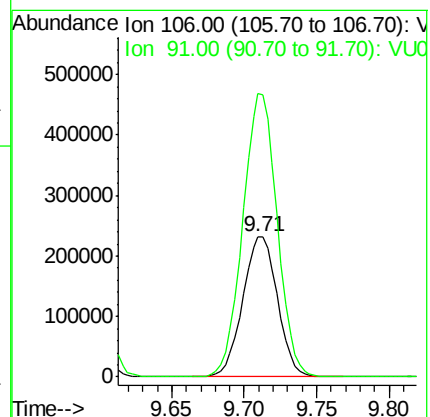
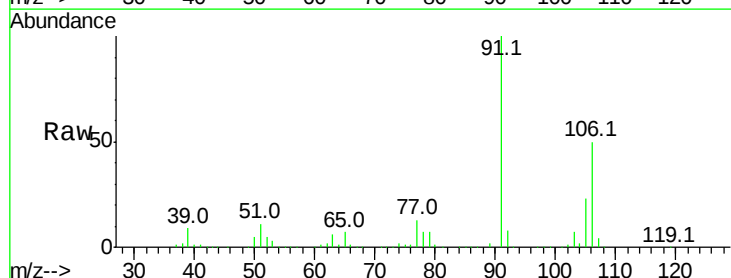
Acq: 09 Apr 2020 10:33

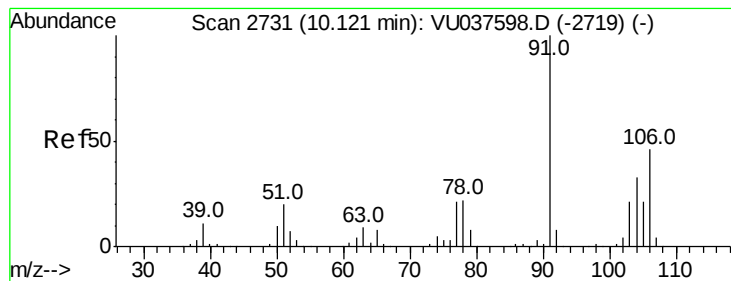
Tgt Ion: 106 Resp: 384220

Ion Ratio Lower Upper

106 100

91 201.2 148.8 276.4





#54

o-xylene

Concen: 60.243 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

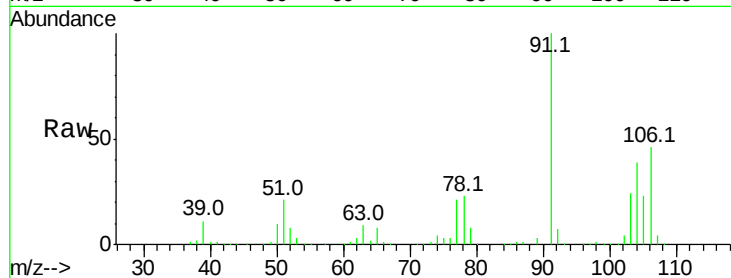
VSTD05033

Tgt Ion:106 Resp: 377286

Ion Ratio Lower Upper

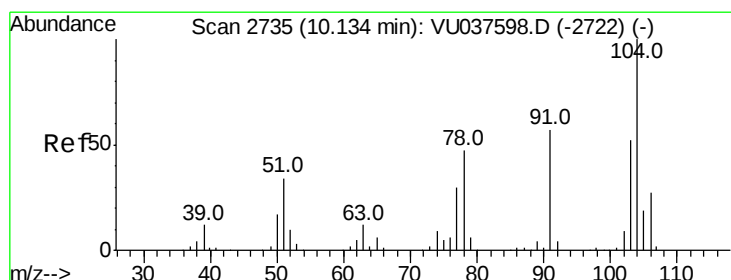
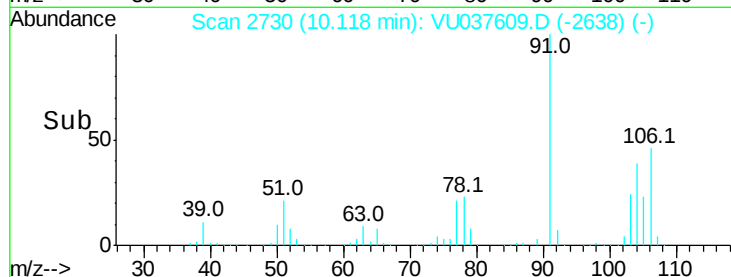
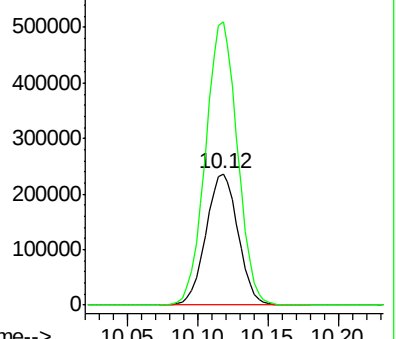
106 100

91 215.8 152.6 283.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 59.657 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037609.D

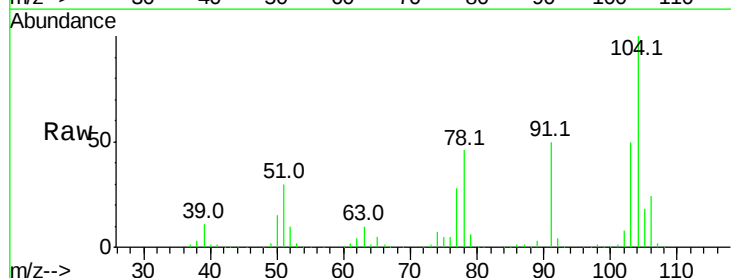
Acq: 09 Apr 2020 10:33

Tgt Ion:104 Resp: 661551

Ion Ratio Lower Upper

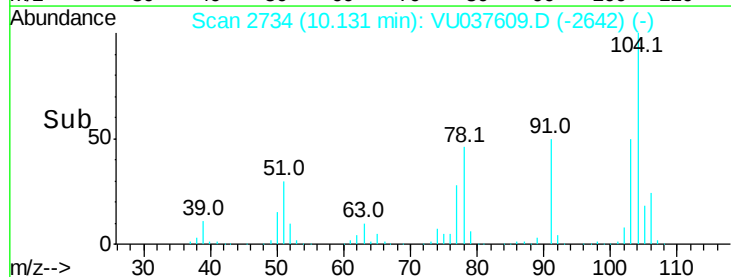
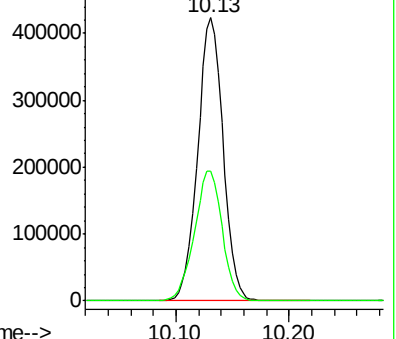
104 100

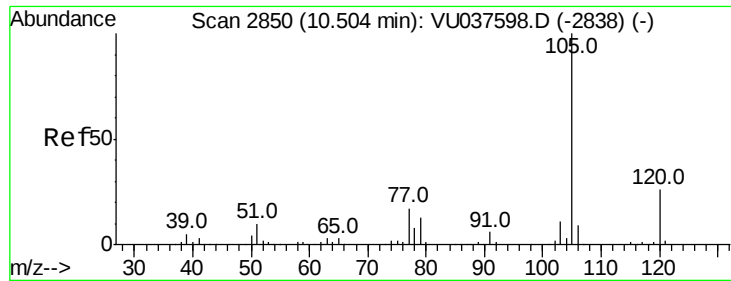
78 45.7 34.9 64.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 58.071 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

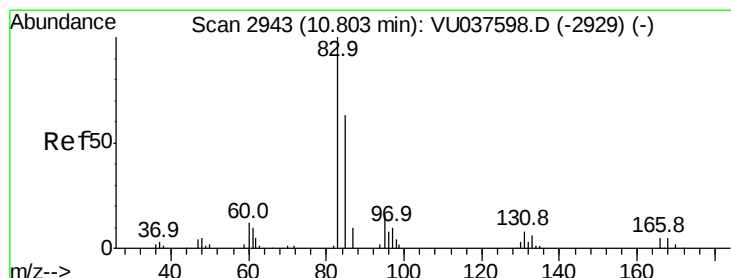
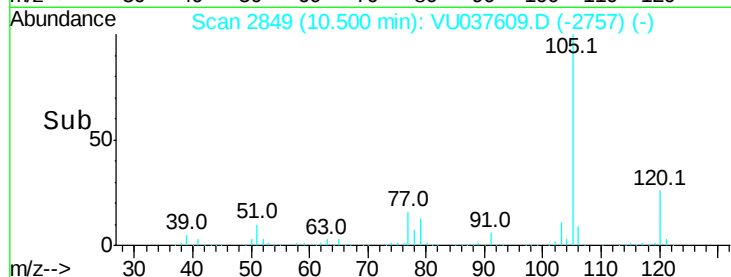
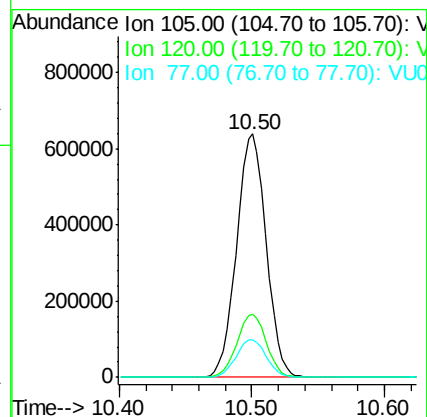
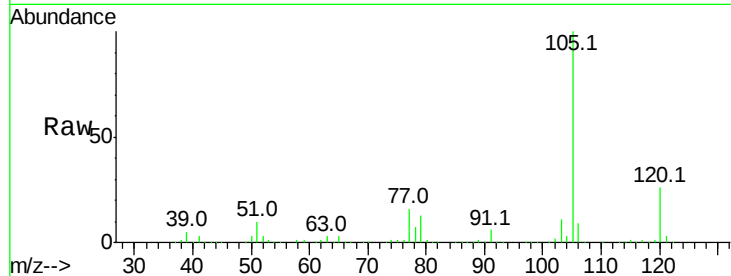
Tgt Ion:105 Resp: 986070

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

77 15.9 13.4 20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 54.720 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

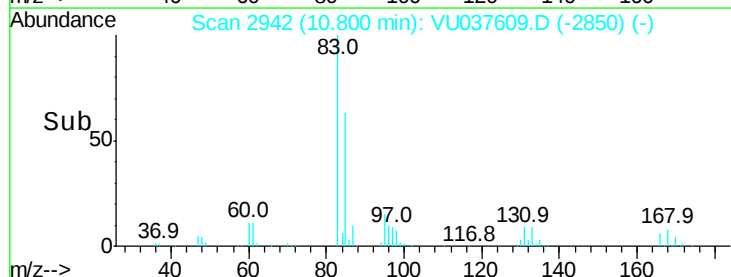
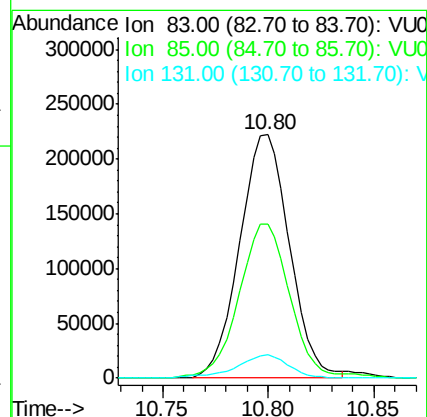
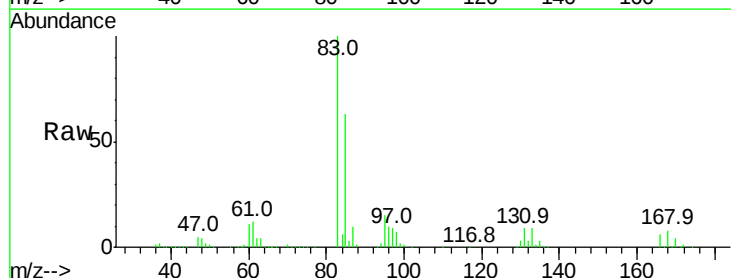
Tgt Ion: 83 Resp: 365293

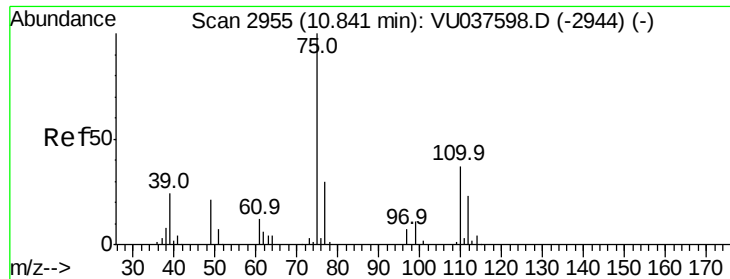
Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

131 9.5 7.2 10.8





#59

1,2,3-Trichloropropane

Concen: 60.161 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

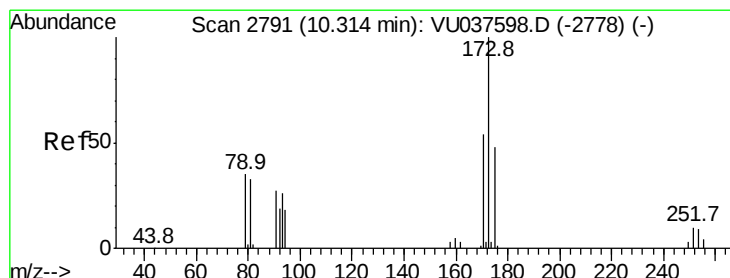
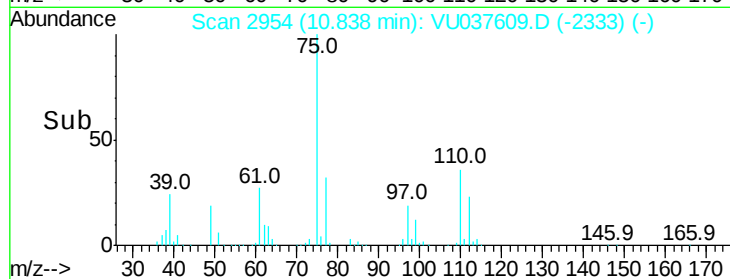
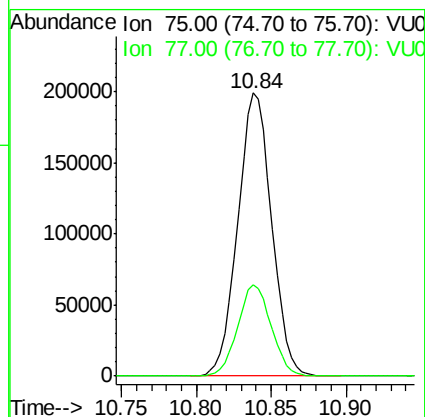
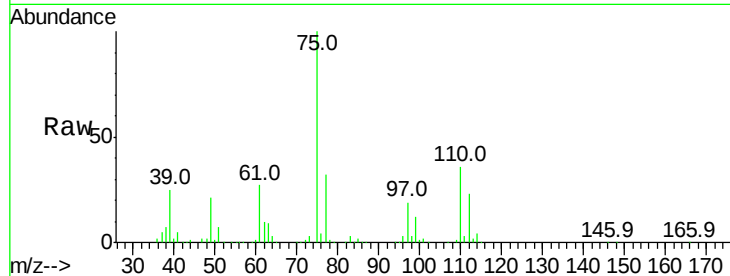
VSTD05033

Tgt Ion: 75 Resp: 313675

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#61

Bromoform

Concen: 56.730 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.01 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

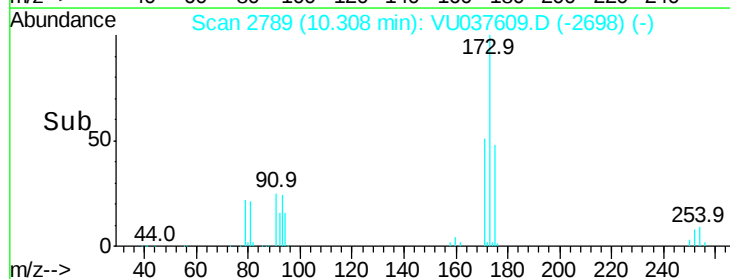
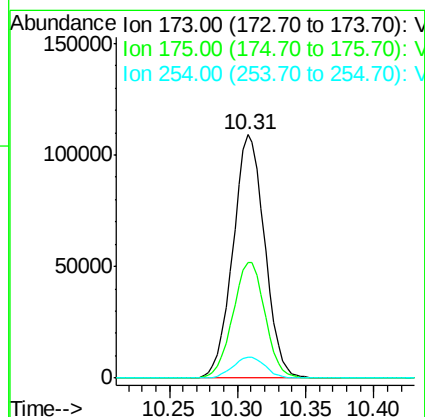
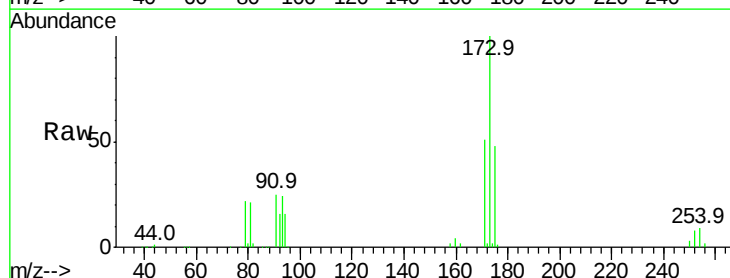
Tgt Ion: 173 Resp: 175959

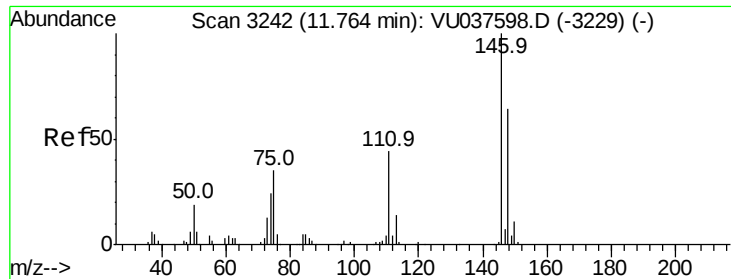
Ion Ratio Lower Upper

173 100

175 48.4 38.6 58.0

254 8.8 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 55.536 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.01 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

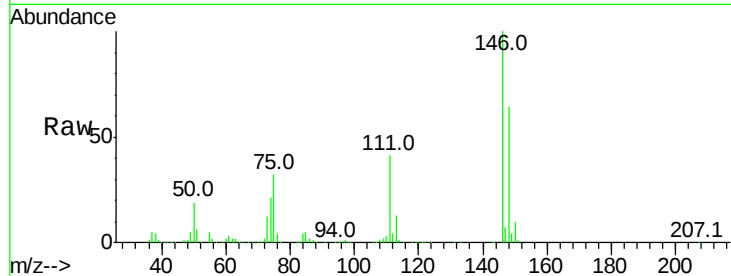
Tgt Ion:146 Resp: 435083

Ion Ratio Lower Upper

146 100

111 40.8 31.1 57.7

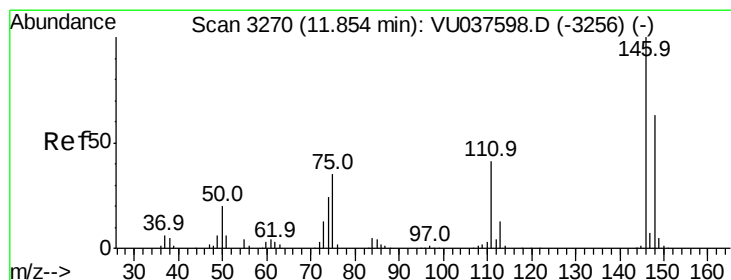
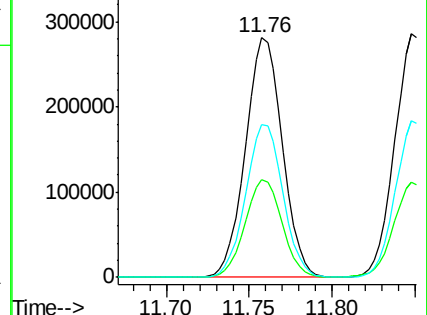
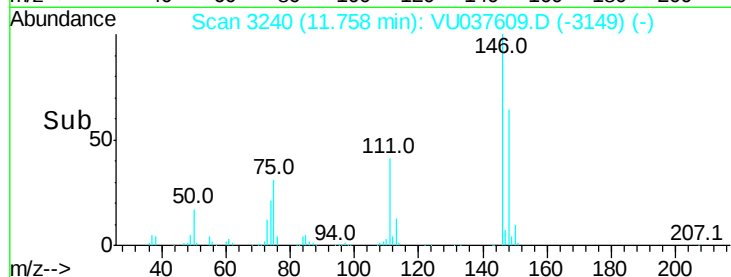
148 63.8 44.4 82.5



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: 55.819 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.01 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

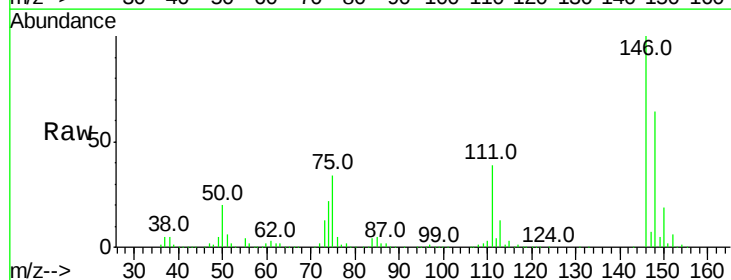
Tgt Ion:146 Resp: 441361

Ion Ratio Lower Upper

146 100

111 38.9 30.1 55.9

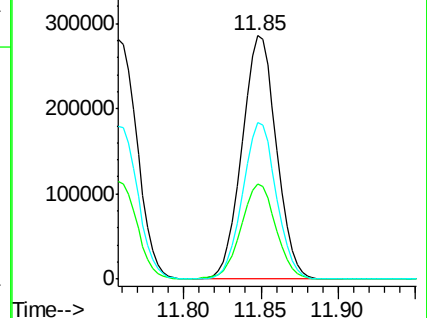
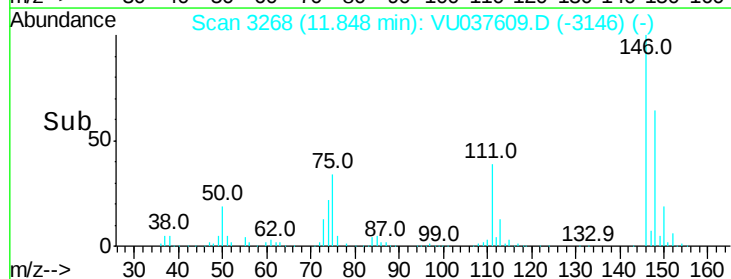
148 64.1 44.7 82.9

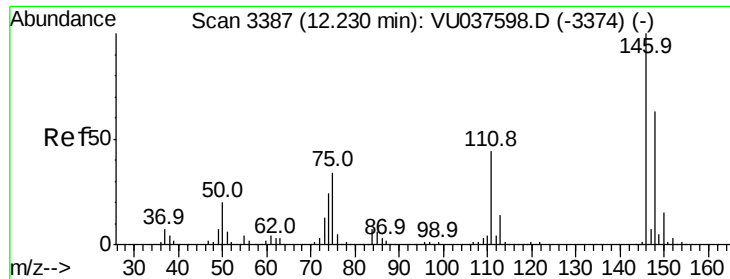


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 55.663 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

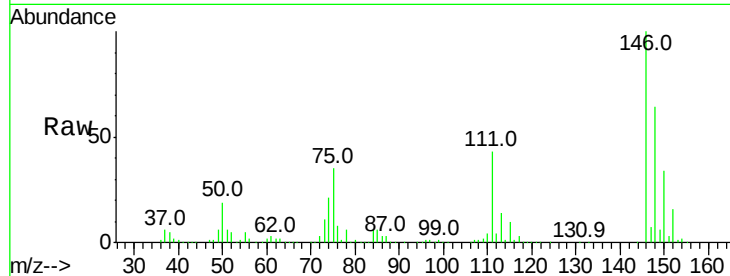
Tgt Ion:146 Resp: 431788

Ion Ratio Lower Upper

146 100

111 42.8 35.6 53.4

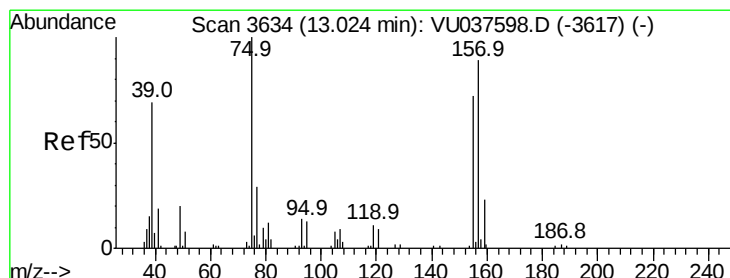
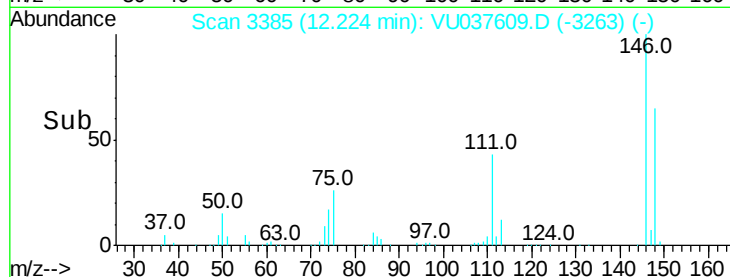
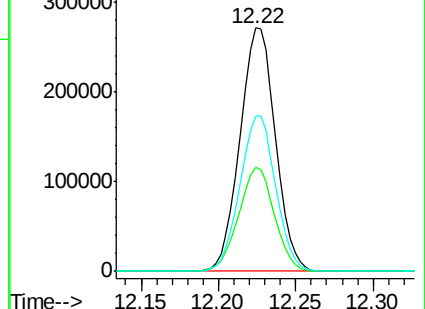
148 63.6 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 54.675 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU037609.D

Acq: 09 Apr 2020 10:33

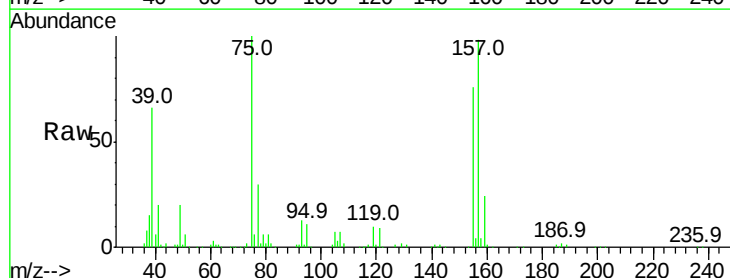
Tgt Ion: 75 Resp: 101733

Ion Ratio Lower Upper

75 100

155 76.1 56.6 85.0

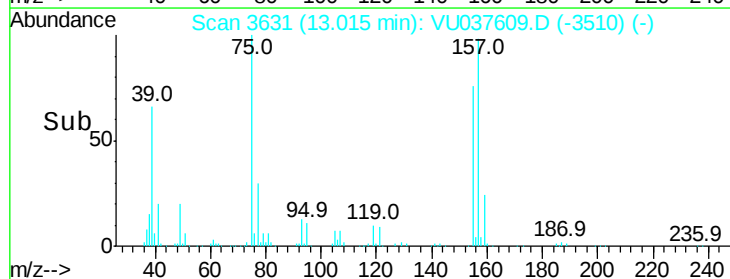
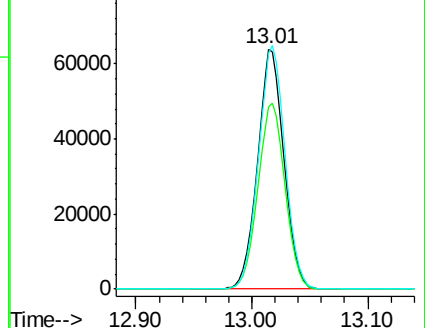
157 98.5 72.4 108.6

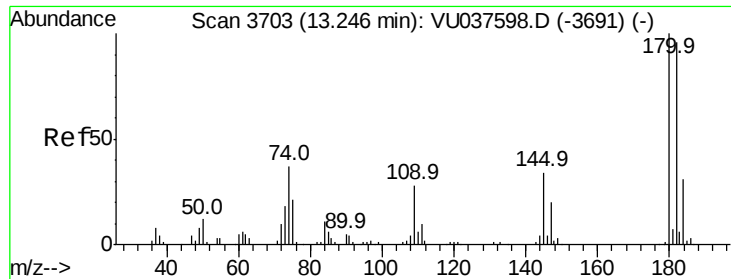


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

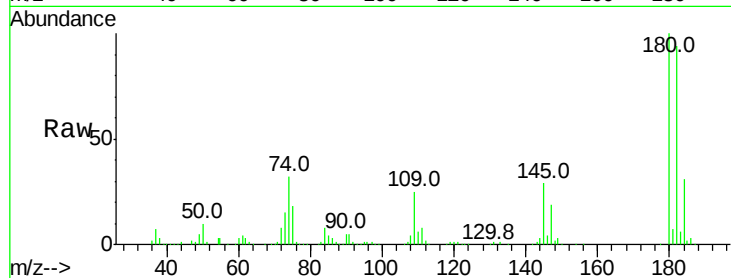




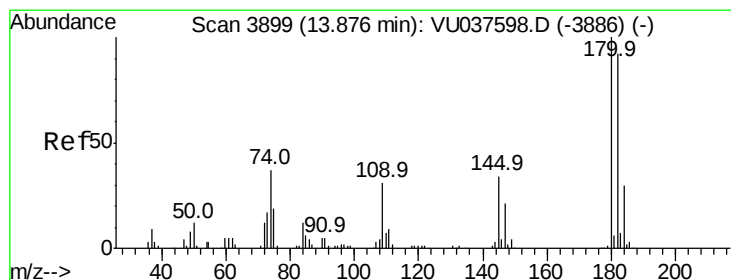
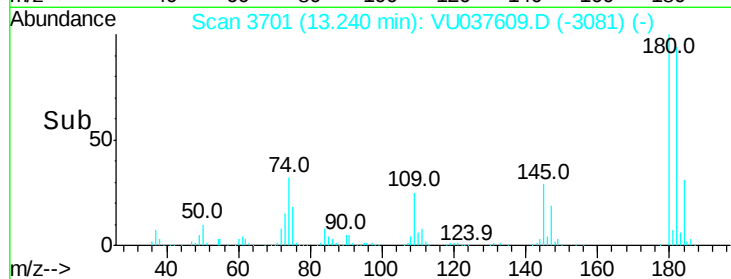
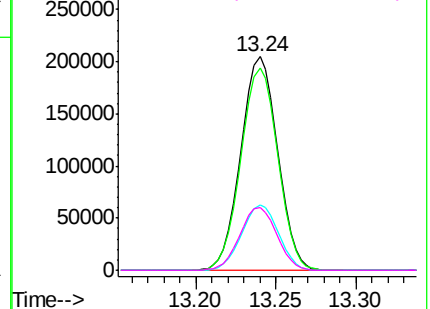
#67
 1,3,5-Trichlorobenzene
 Concen: 58.891 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037609.D
 Acq: 09 Apr 2020 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion:180 Resp: 320241
 Ion Ratio Lower Upper
 180 100
 182 95.3 74.9 112.3
 184 30.9 23.6 35.4
 145 29.7 25.7 38.5

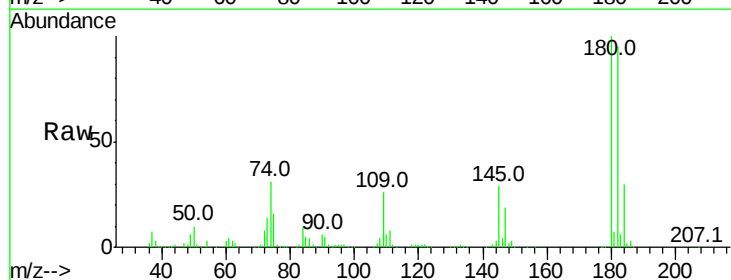


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 59.396 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037609.D
 Acq: 09 Apr 2020 10:33

Tgt Ion:180 Resp: 307904
 Ion Ratio Lower Upper
 180 100
 182 95.6 74.4 111.6
 145 29.7 26.9 40.3



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

