

Data File : VU037947.D
Acq On : 30 Apr 2020 11:25
Operator : JC/MD
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

Quant Time: Apr 30 11:43:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 30 10:59:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	722886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	732226	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	371210	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1193075	188.89	ug/L	0.00
7) Chloroethane-d5	1.91	69	958658	195.83	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.59	63	1996907	195.33	ug/L	0.00
21) 2-Butanone-d5	4.66	46	1946751	388.99	ug/L	0.00
24) Chloroform-d	5.10	84	1909817	198.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	1263869	189.73	ug/L	0.00
32) Benzene-d6	5.76	84	3967628	191.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1314736	189.83	ug/L	0.00
41) Toluene-d8	7.92	98	3671821	192.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	677533	190.07	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	1301816	345.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	2105959	218.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	1424986	197.28	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	1104101	185.130	ug/L	99
3) Chloromethane	1.53	50	1349238	207.572	ug/L	100
5) Vinyl chloride	1.62	62	1426743	198.937	ug/L	98
6) Bromomethane	1.85	94	729583	245.850	ug/L	99
8) Chloroethane	1.93	64	833709	206.899	ug/L	99
9) Trichlorofluoromethane	2.15	101	1462014	191.733	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	906364	203.968	ug/L	99
12) 1,1-Dichloroethene	2.60	96	932944	212.577	ug/L	94
13) Acetone	2.65	43	1207804	404.503	ug/L	99
14) Carbon disulfide	2.81	76	3129093	199.361	ug/L	99
15) Methyl Acetate	2.97	43	1357383	188.085	ug/L	100
16) Methylene chloride	3.07	84	1081816	207.445	ug/L	98
17) trans-1,2-Dichloroethene	3.38	96	1000959	203.981	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	3433352	203.119	ug/L	100
19) 1,1-Dichloroethane	3.91	63	1985786	200.754	ug/L	100
20) cis-1,2-Dichloroethene	4.70	96	1120005	208.458	ug/L	98
22) 2-Butanone	4.74	43	2039833	390.143	ug/L	100
23) Bromochloromethane	5.01	128	530557	204.359	ug/L	98
25) Chloroform	5.12	83	1871364	202.190	ug/L	100
27) 1,2-Dichloroethane	5.83	62	1552978	195.911	ug/L	100
29) Cyclohexane	5.42	56	1874848	183.023	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	1574700	192.568	ug/L	99
31) Carbon tetrachloride	5.56	117	1258430	190.367	ug/L	100
33) Benzene	5.81	78	4299707	193.468	ug/L	100
34) Trichloroethene	6.57	95	1056242	193.755	ug/L	99
35) Methylcyclohexane	6.79	83	1869066	195.802	ug/L	98
37) 1,2-Dichloropropane	6.82	63	1179625	194.336	ug/L	100
38) Bromodichloromethane	7.13	83	1469993	200.443	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	1951666	200.817	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	4090323	387.476	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	4620807	198.306	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1844263	196.595	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	1078631	203.698	ug/L	99
46) Tetrachloroethene	8.57	164	740591	185.865	ug/L	99
48) 2-Hexanone	8.71	43	3371775	403.972	ug/L	98
49) Dibromochloromethane	8.83	129	1121456	202.821	ug/L	99
50) 1,2-Dibromoethane	8.94	107	1178988	205.543	ug/L	98
51) Chlorobenzene	9.47	112	2923379	201.702	ug/L	99
52) Ethylbenzene	9.59	91	5322471	203.972	ug/L	100
53) m,p-Xylene	9.71	106	2027211	206.339	ug/L	97
54) o-xylene	10.12	106	2022599	210.500	ug/L	100
55) Styrene	10.13	104	3548538	214.747	ug/L	100
56) Isopropylbenzene	10.50	105	5229414	205.644	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	2074060	220.233	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	1721312	211.098	ug/L	100
61) Bromoform	10.31	173	848536	203.113	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	2342472	201.545	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	2348330	200.184	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	2310948	204.616	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	503532	200.049	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	1642639	194.476	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	1572090	191.372	ug/L	99
69) Naphthalene	14.11	128	5977935	202.934	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1519632	187.337	ug/L	100

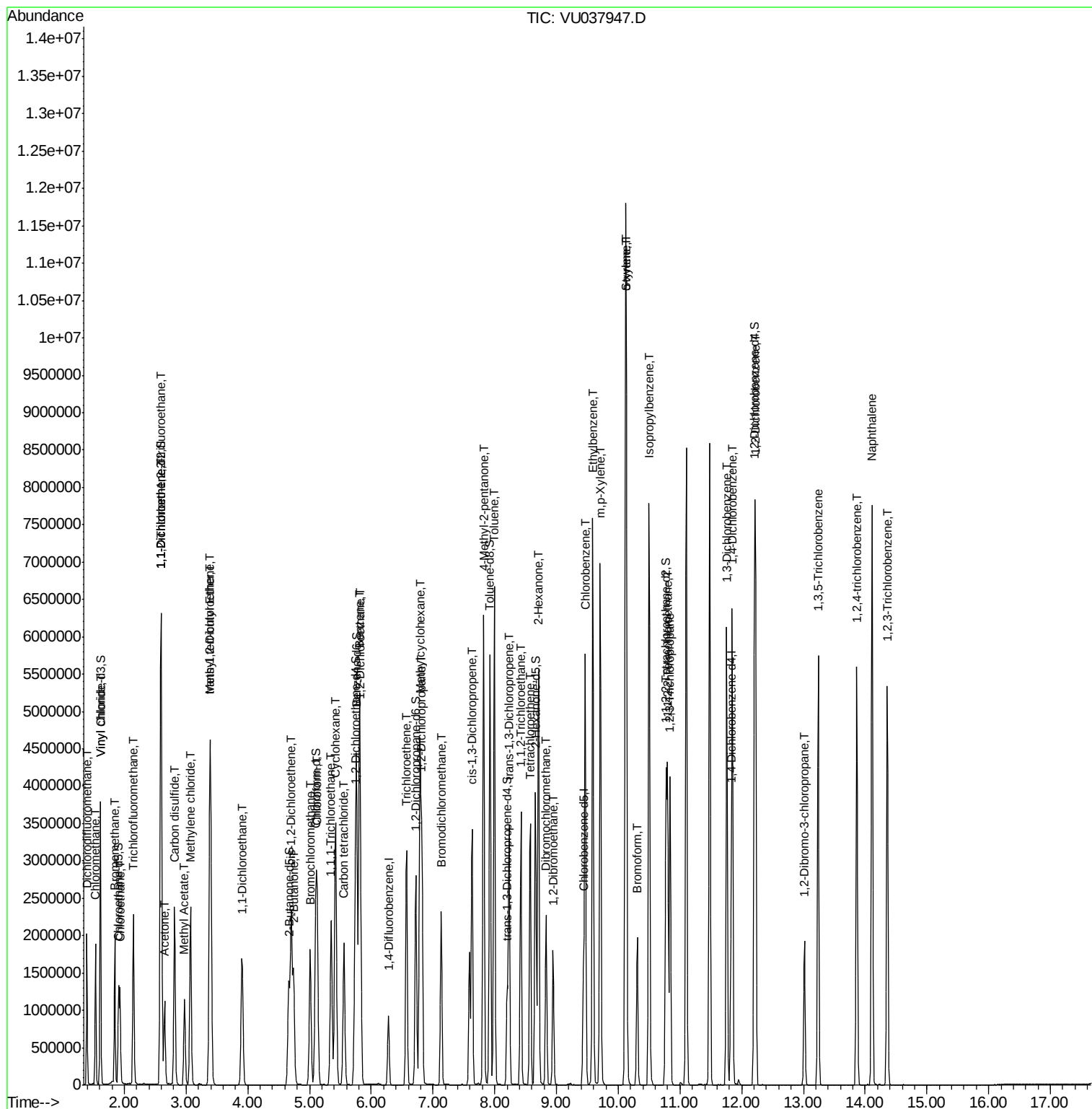
(#) = qualifier out of range (m) = manual integration (+) = signals summed

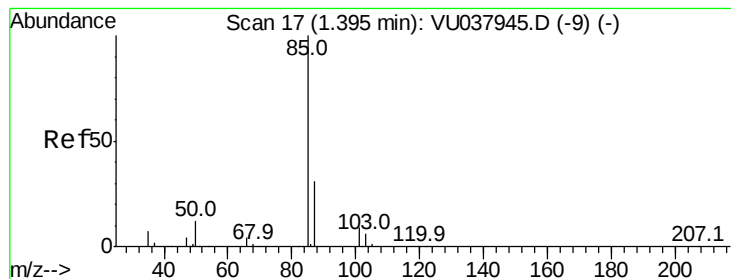
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#2

Dichlorodifluoromethane

Concen: 185.130 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

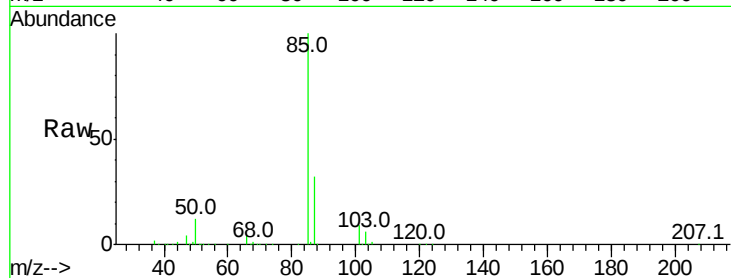
VSTD20032

Tgt Ion: 85 Resp: 1104101

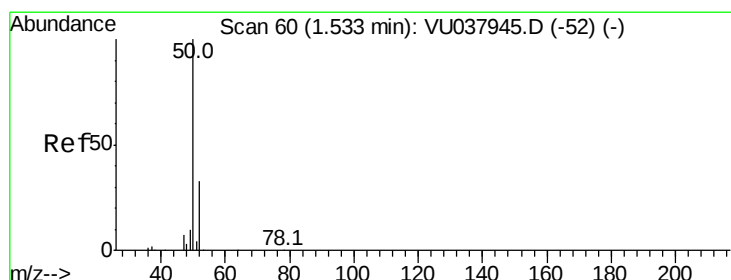
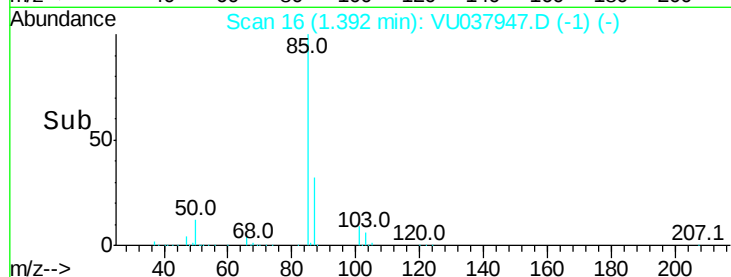
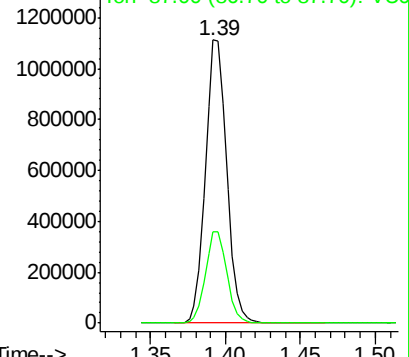
Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037947.D (-1) (-)



#3

Chloromethane

Concen: 207.572 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037947.D

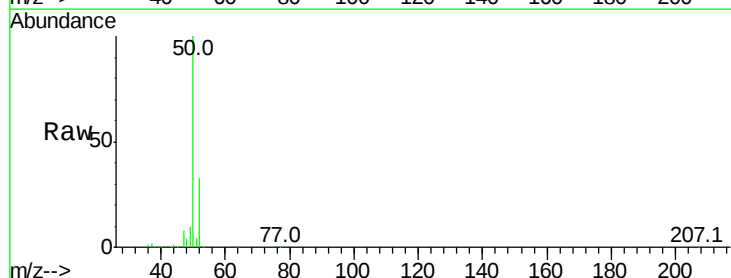
Acq: 30 Apr 2020 11:25

Tgt Ion: 50 Resp: 1349238

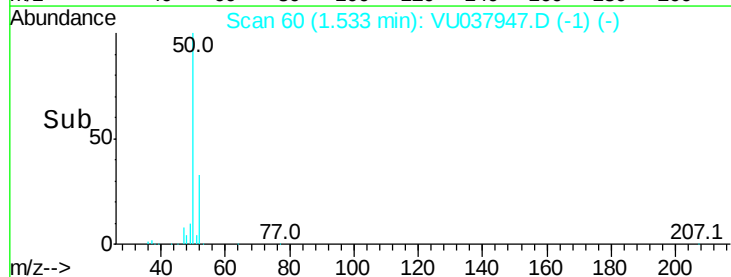
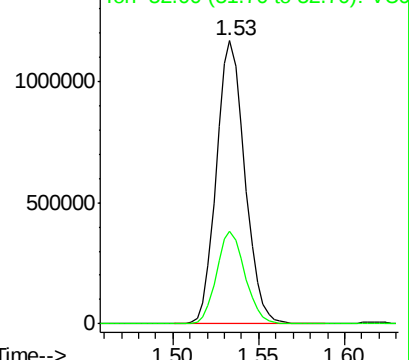
Ion Ratio Lower Upper

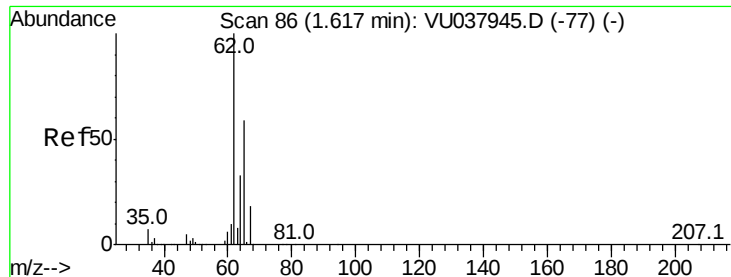
50 100

52 32.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU037947.D (-1) (-)





#5

Vinyl chloride

Concen: 198.937 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

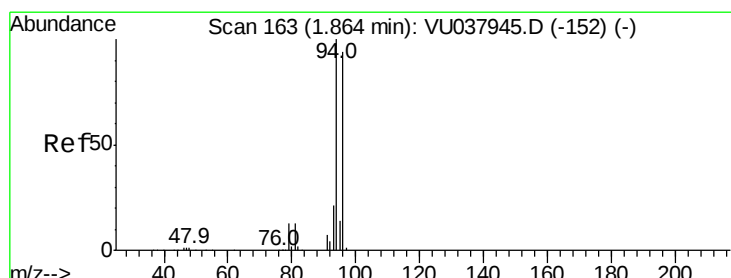
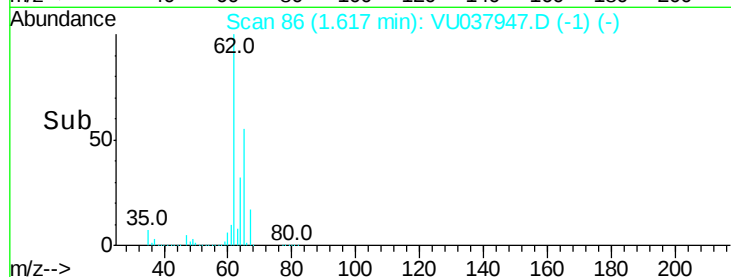
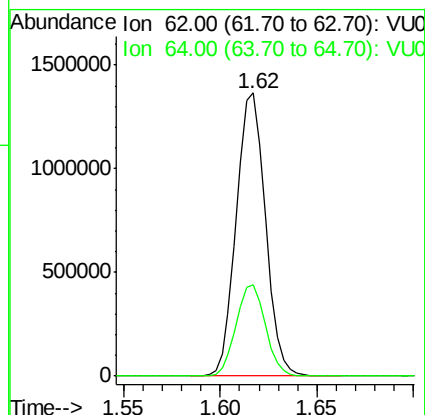
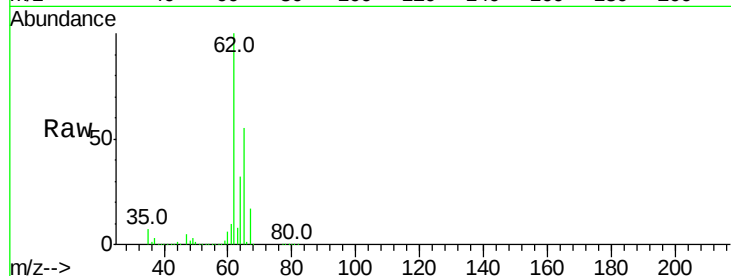
VSTD20032

Tgt Ion: 62 Resp: 1426743

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.2



#6

Bromomethane

Concen: 245.850 ug/L

RT: 1.85 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU037947.D

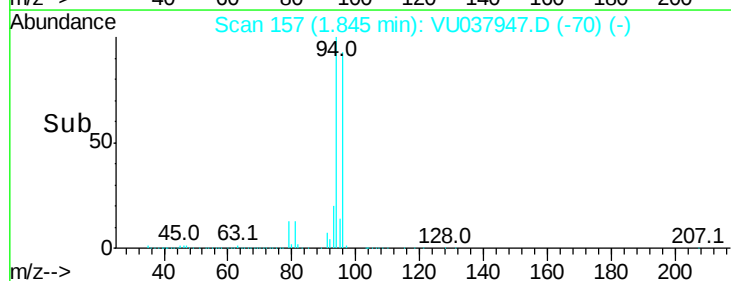
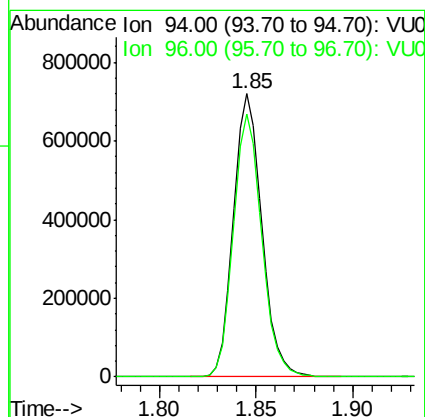
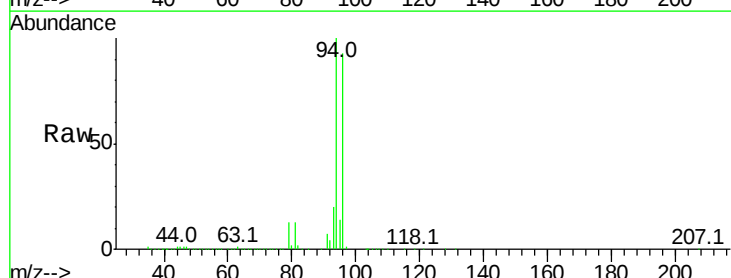
Acq: 30 Apr 2020 11:25

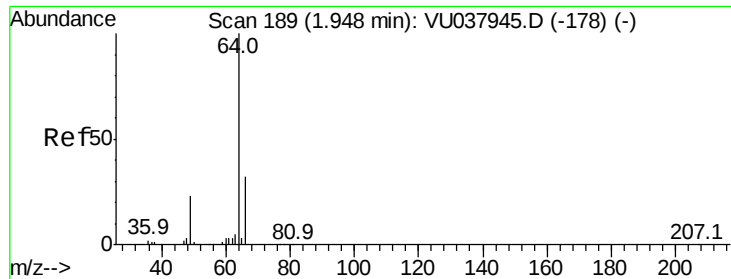
Tgt Ion: 94 Resp: 729583

Ion Ratio Lower Upper

94 100

96 93.0 65.9 122.5





#8

Chloroethane

Concen: 206.899 ug/L

RT: 1.93 min Scan# 184

Delta R.T. -0.02 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

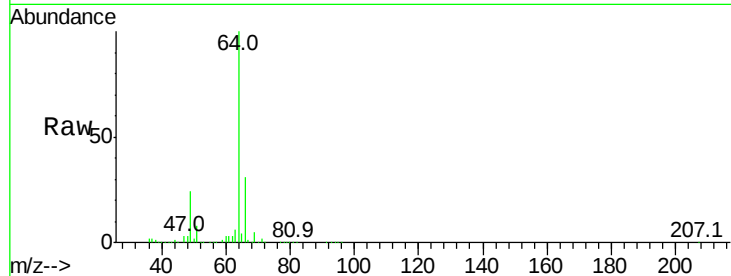
VSTD20032

Tgt Ion: 64 Resp: 833709

Ion Ratio Lower Upper

64 100

66 31.5 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU037947.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU037947.D (-178) (-)

1.93

600000

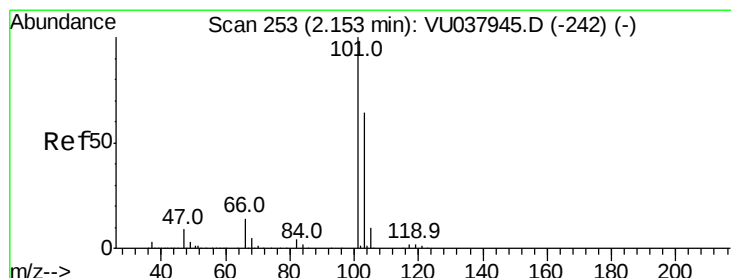
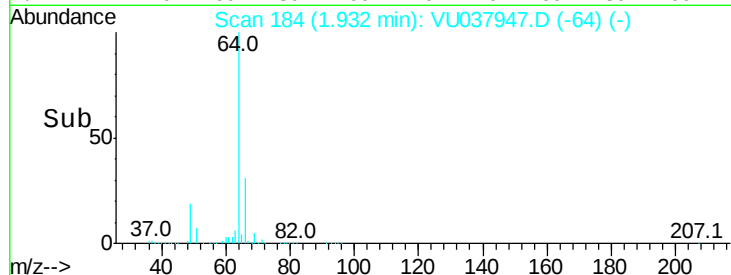
400000

200000

0

1.85 1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 191.733 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.01 min

Lab File: VU037947.D

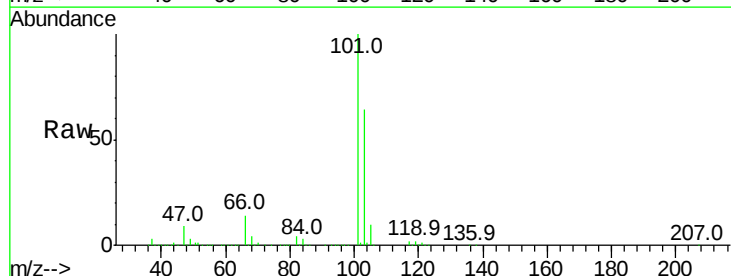
Acq: 30 Apr 2020 11:25

Tgt Ion: 101 Resp: 1462014

Ion Ratio Lower Upper

101 100

103 64.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU037947.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037947.D (-242) (-)

2.15

1200000

1000000

800000

600000

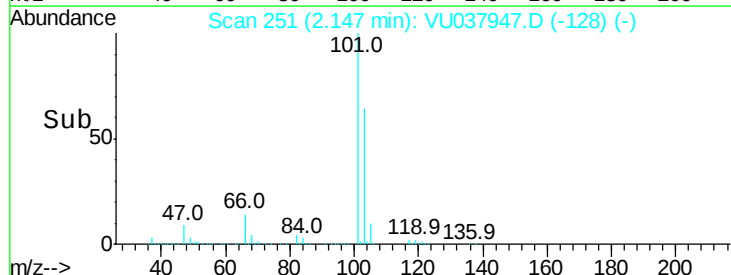
400000

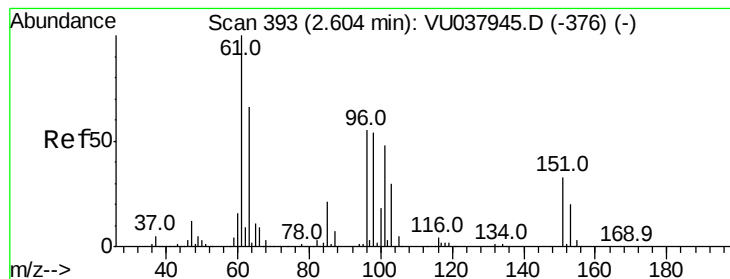
200000

0

2.05 2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 203.968 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

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MSVOA_U

ClientSampleId :

VSTD20032

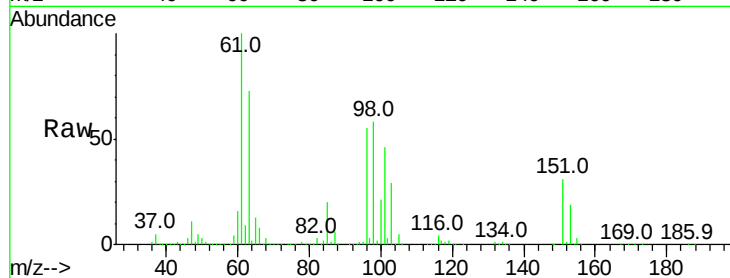
Tgt Ion: 101 Resp: 906364

Ion Ratio Lower Upper

101 100

85 44.1 34.7 52.1

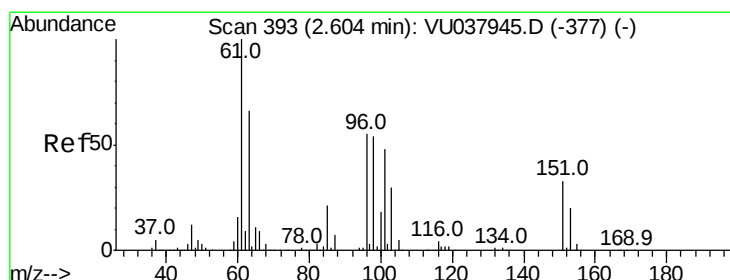
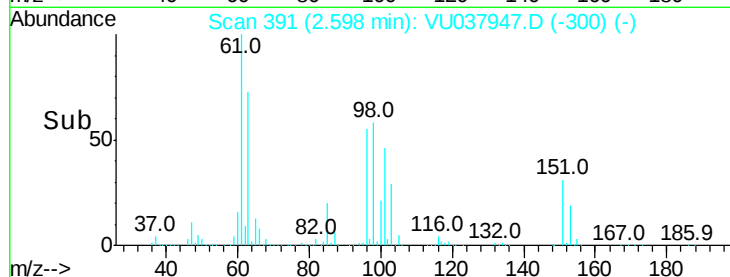
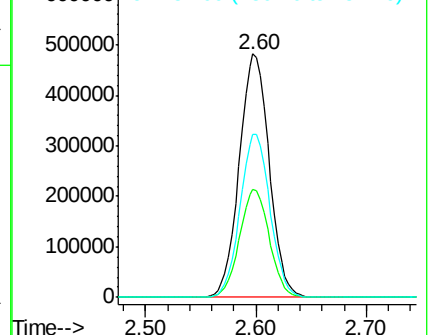
151 67.0 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 212.577 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

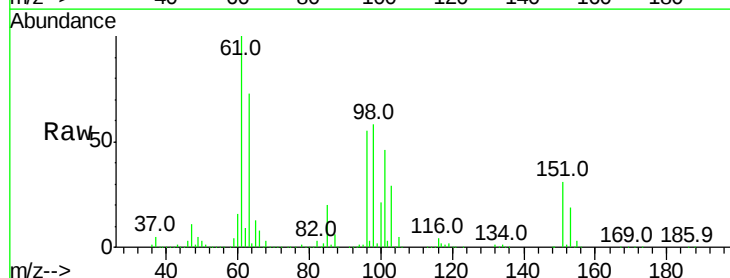
Tgt Ion: 96 Resp: 932944

Ion Ratio Lower Upper

96 100

61 182.2 126.1 234.3

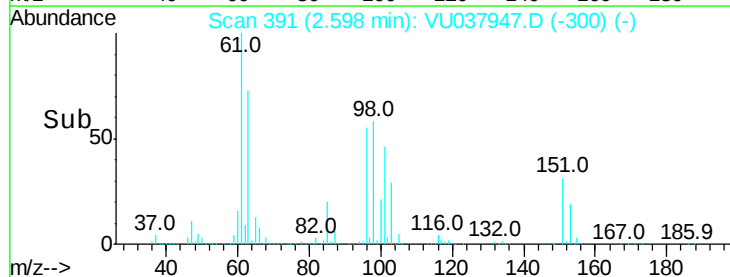
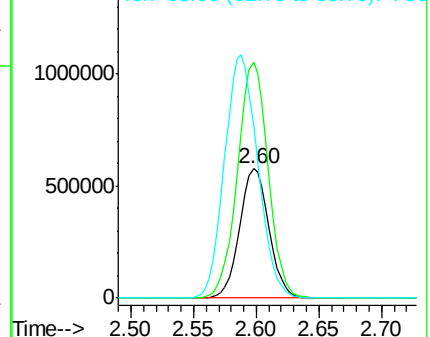
63 132.8 83.4 154.8

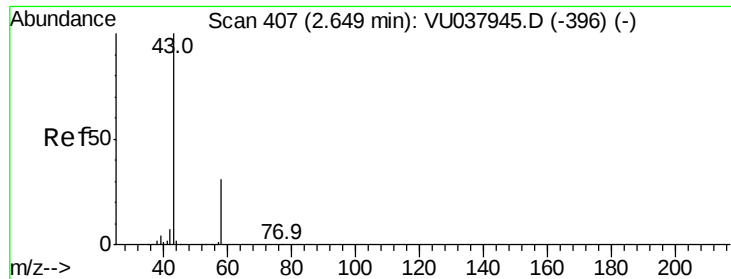


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 404.503 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

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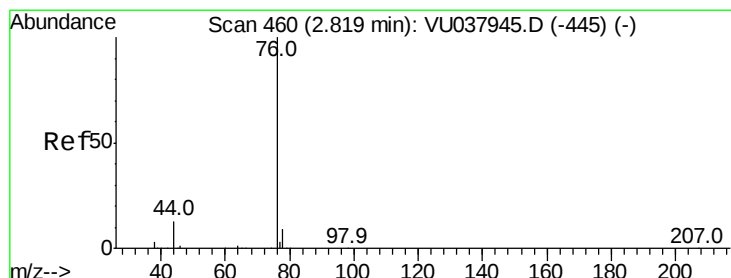
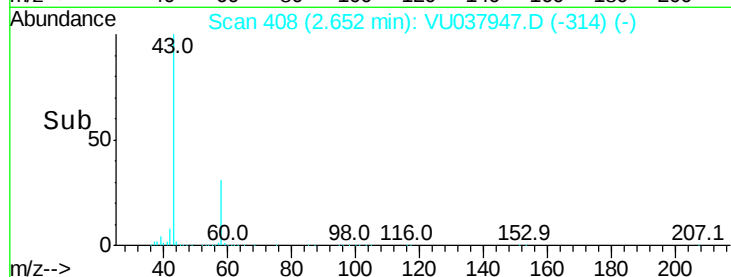
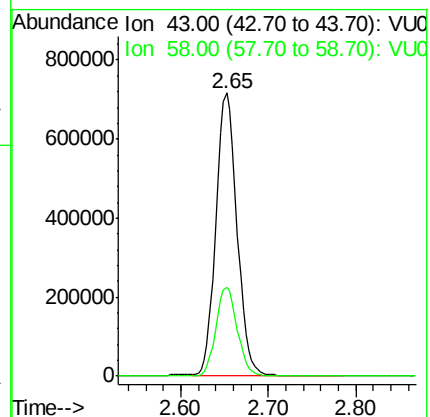
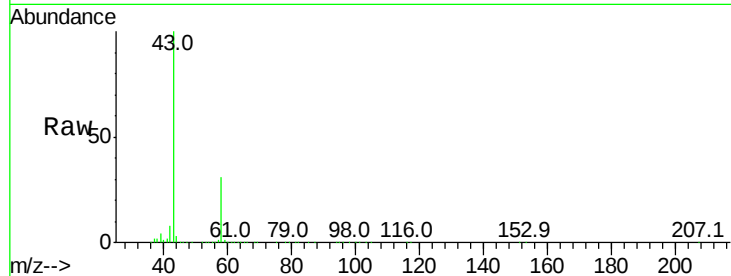
VSTD20032

Tgt Ion: 43 Resp: 1207804

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.4



#14

Carbon disulfide

Concen: 199.361 ug/L

RT: 2.81 min Scan# 458

Delta R.T. -0.01 min

Lab File: VU037947.D

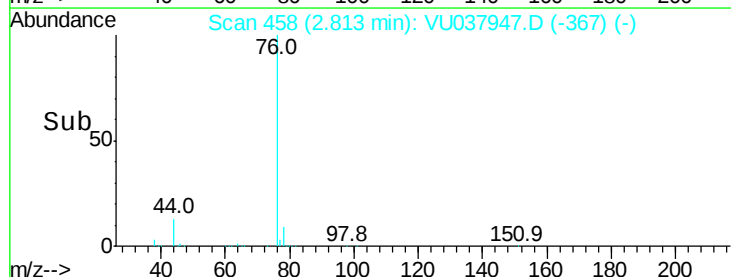
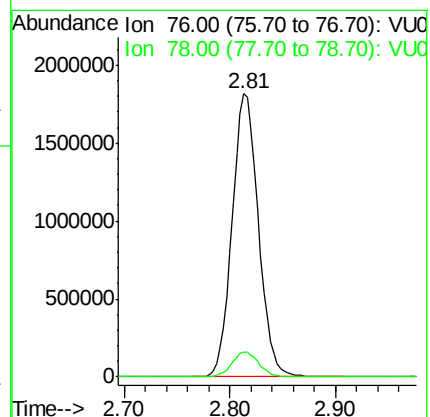
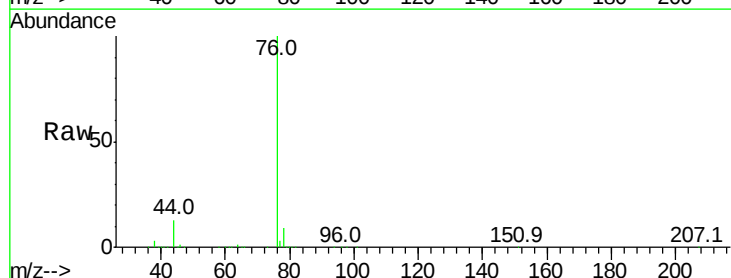
Acq: 30 Apr 2020 11:25

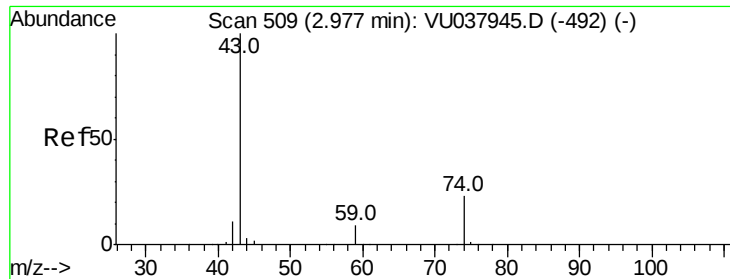
Tgt Ion: 76 Resp: 3129093

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

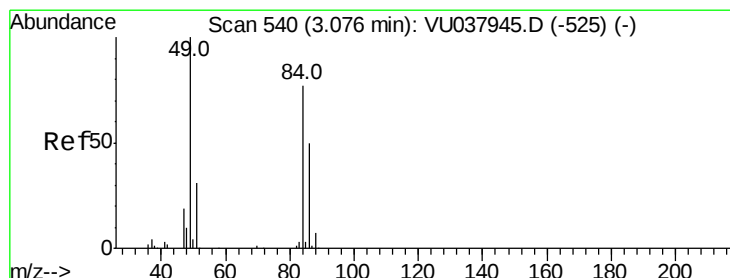
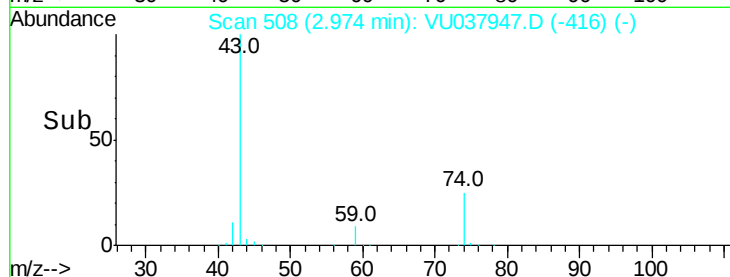
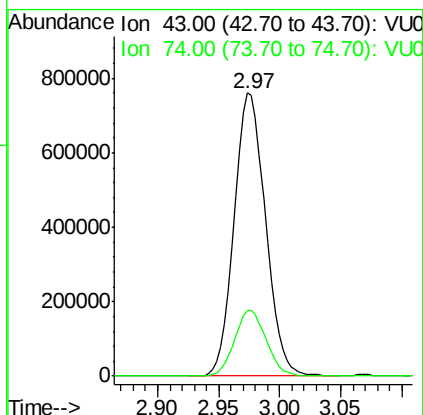
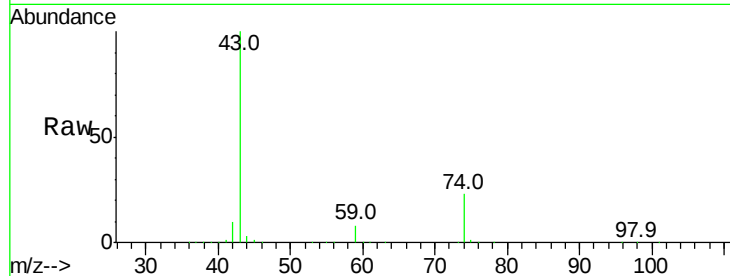




#15
Methyl Acetate
Concen: 188.085 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

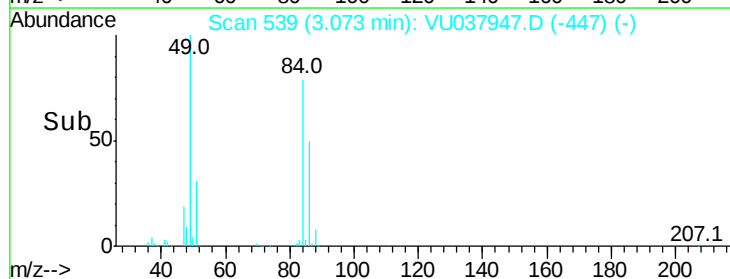
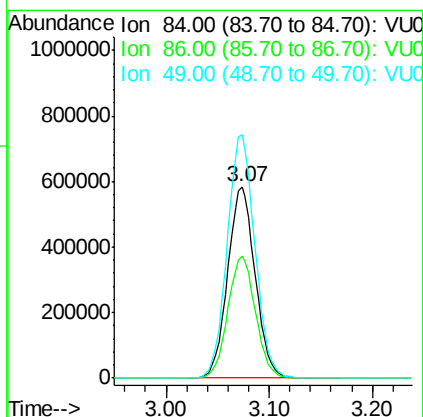
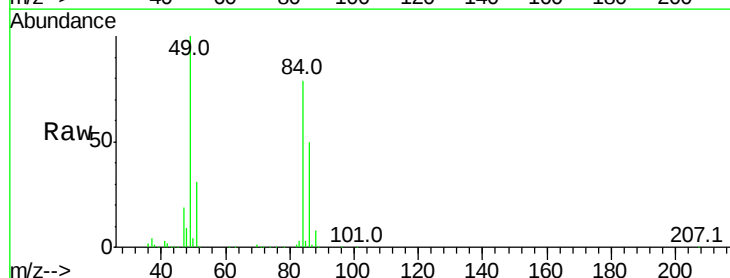
Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

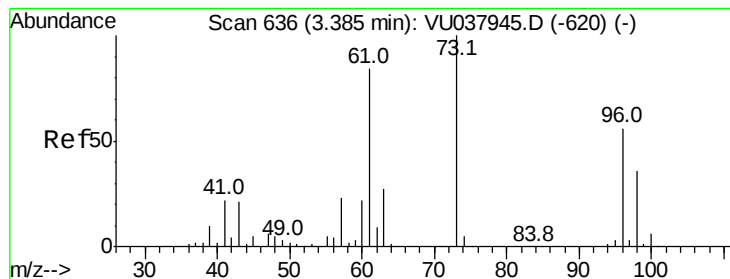
Tgt Ion: 43 Resp: 1357383
Ion Ratio Lower Upper
43 100
74 23.3 18.6 27.8



#16
Methylene chloride
Concen: 207.445 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

Tgt Ion: 84 Resp: 1081816
Ion Ratio Lower Upper
84 100
86 63.5 45.1 83.9
49 127.2 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 203.981 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

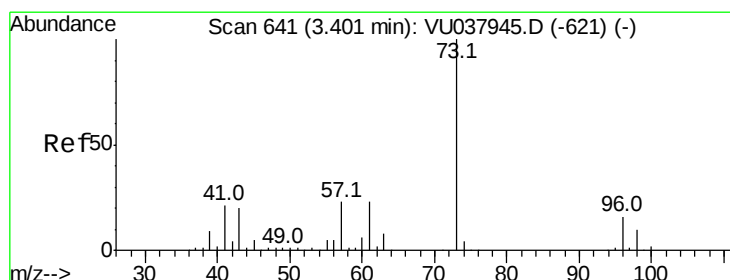
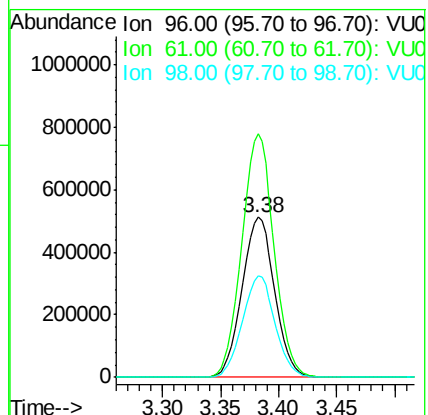
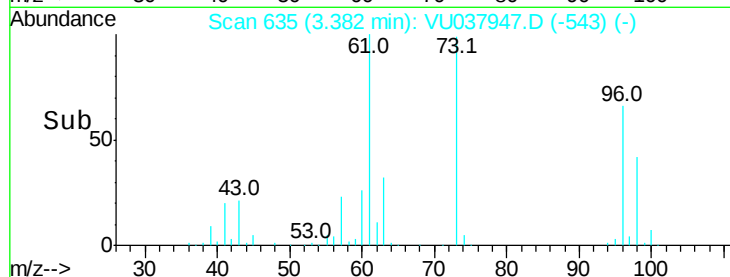
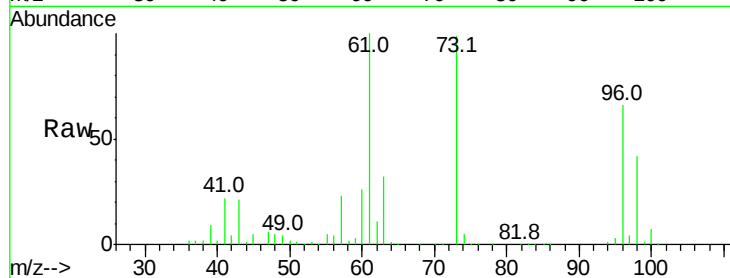
Tgt Ion: 96 Resp: 1000959

Ion Ratio Lower Upper

96 100

61 152.0 104.9 194.9

98 63.5 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 203.119 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

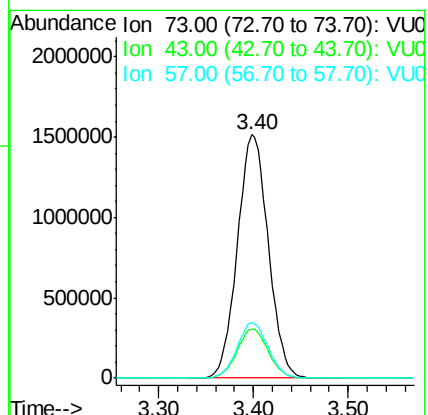
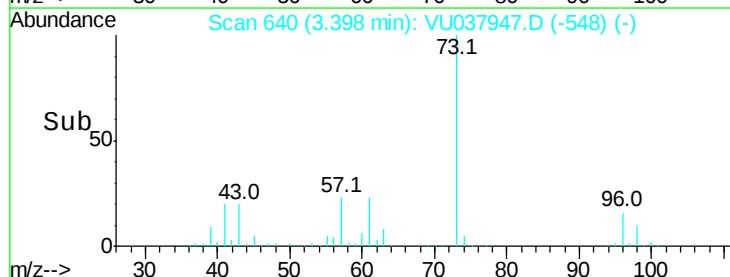
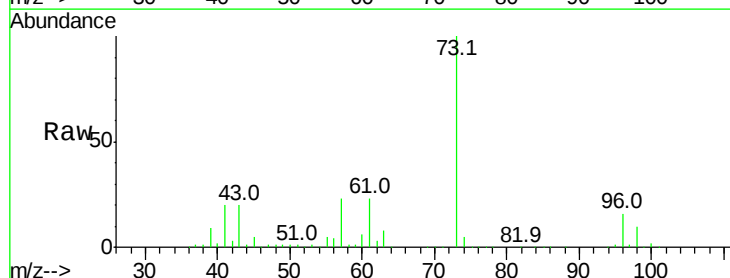
Tgt Ion: 73 Resp: 3433352

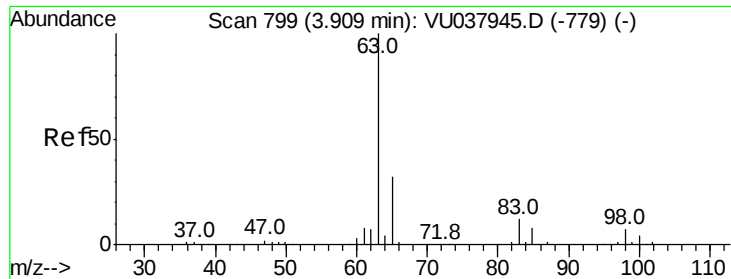
Ion Ratio Lower Upper

73 100

43 20.3 16.3 24.5

57 22.8 18.4 27.6

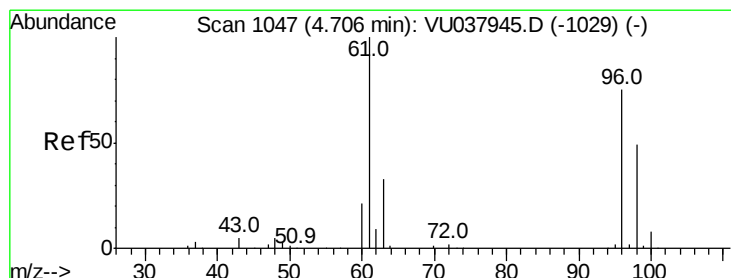
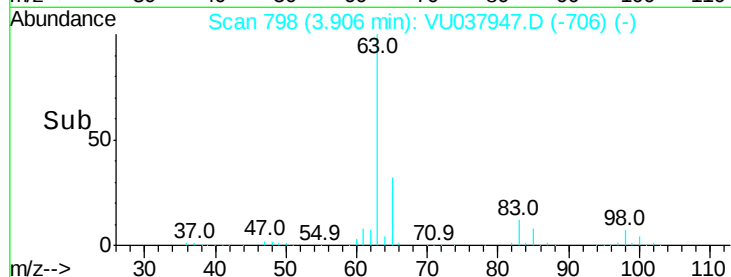
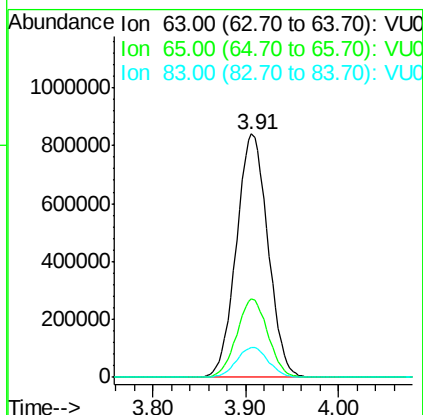
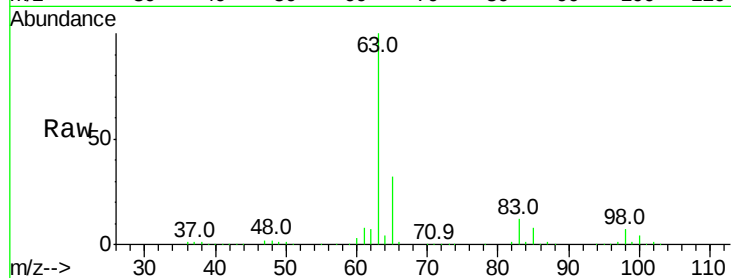




#19
 1,1-Dichloroethane
 Concen: 200.754 ug/L
 RT: 3.91 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VU037947.D
 Acq: 30 Apr 2020 11:25

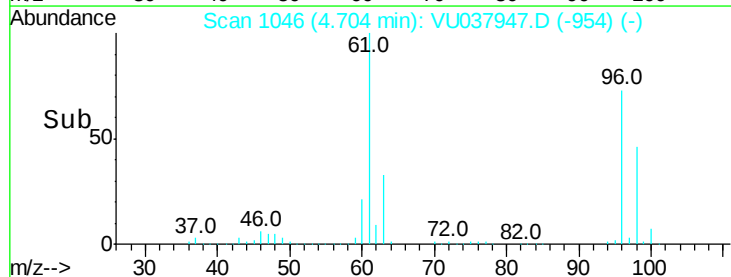
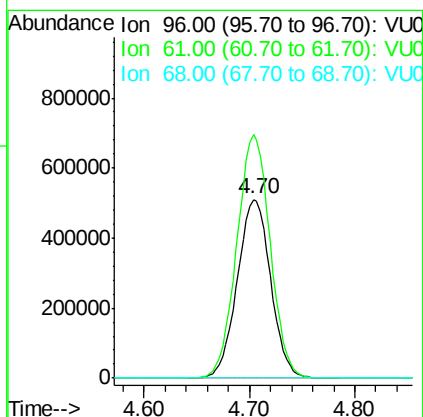
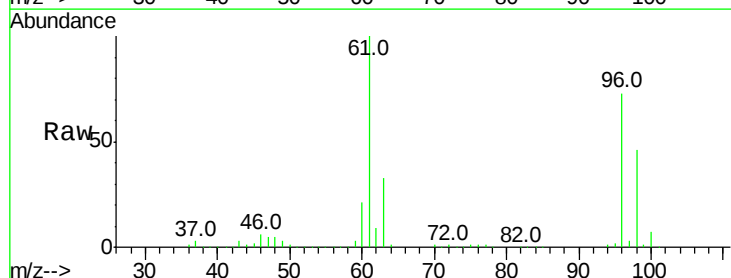
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

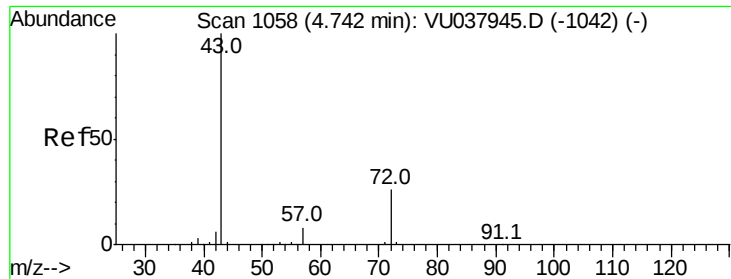
Tgt Ion: 63 Resp: 1985786
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.5 41.7
 83 12.2 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 208.458 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037947.D
 Acq: 30 Apr 2020 11:25

Tgt Ion: 96 Resp: 1120005
 Ion Ratio Lower Upper
 96 100
 61 136.3 93.9 174.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 390.143 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

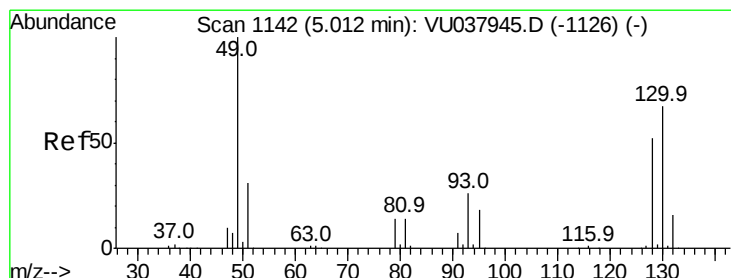
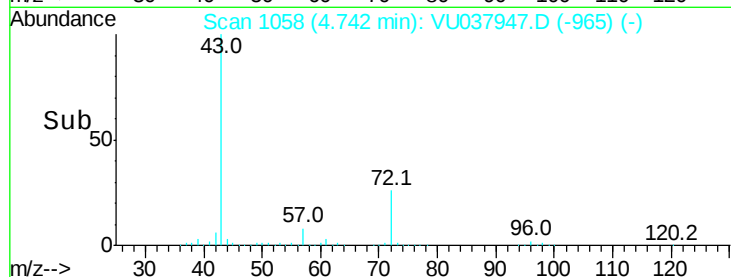
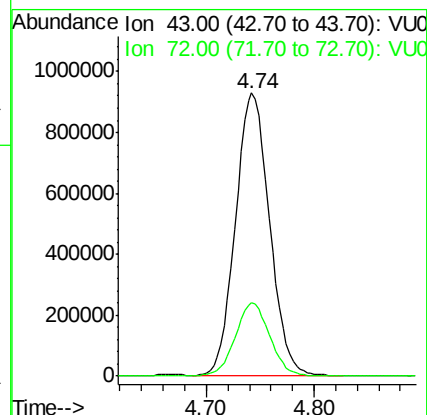
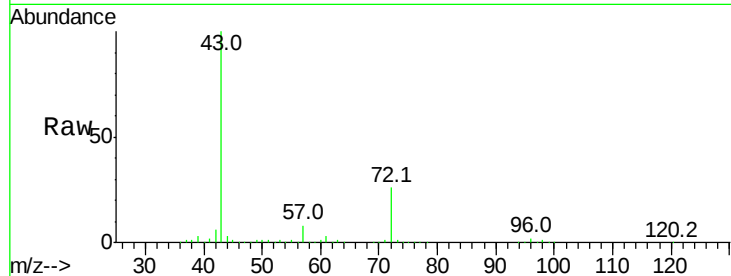
VSTD20032

Tgt Ion: 43 Resp: 2039833

Ion Ratio Lower Upper

43 100

72 26.5 13.4 40.1



#23

Bromochloromethane

Concen: 204.359 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Tgt Ion: 128 Resp: 530557

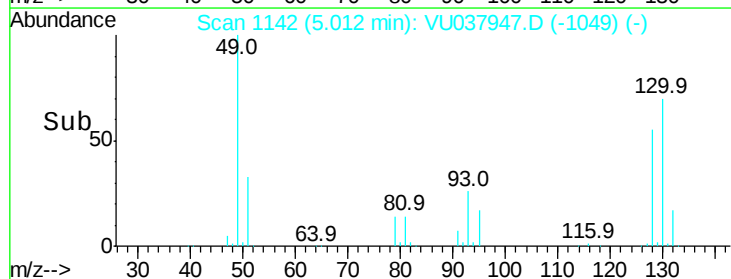
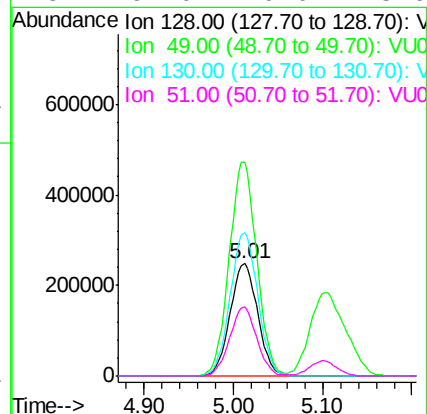
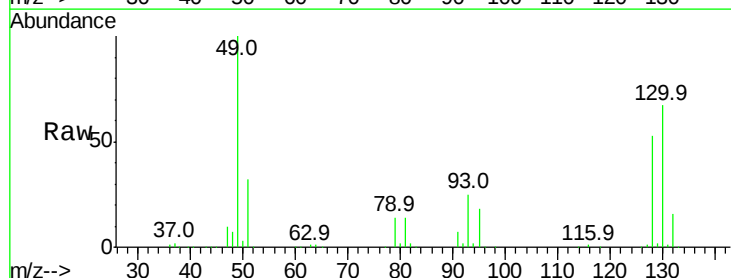
Ion Ratio Lower Upper

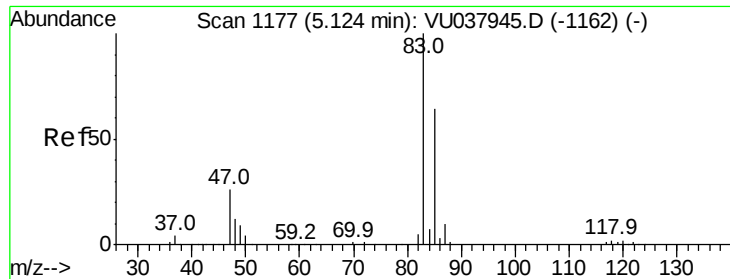
128 100

49 189.8 136.2 252.9

130 127.5 91.3 169.5

51 61.0 49.0 73.6

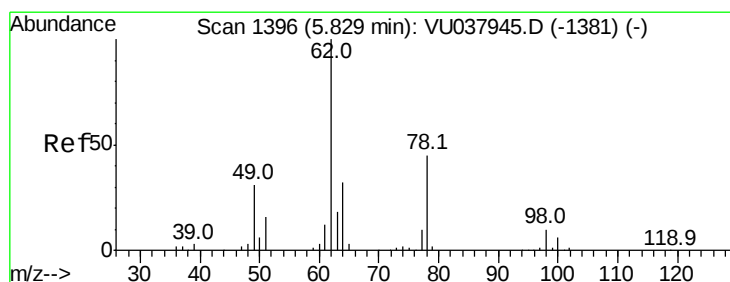
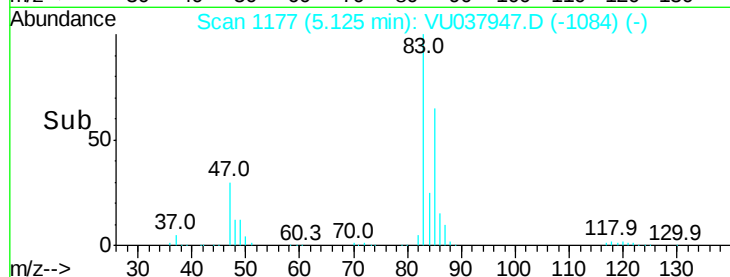
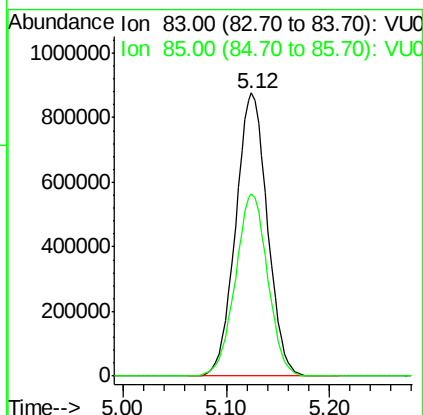
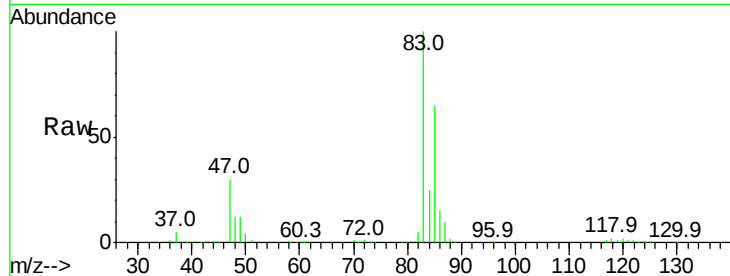




#25
Chloroform
Concen: 202.190 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

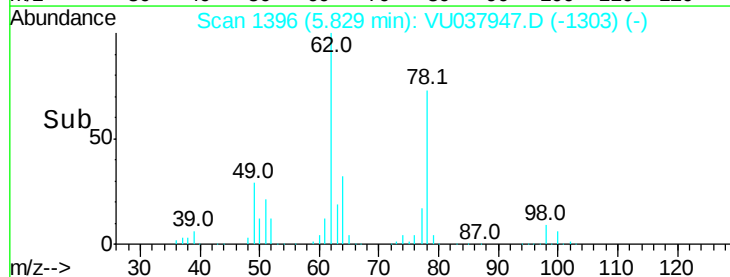
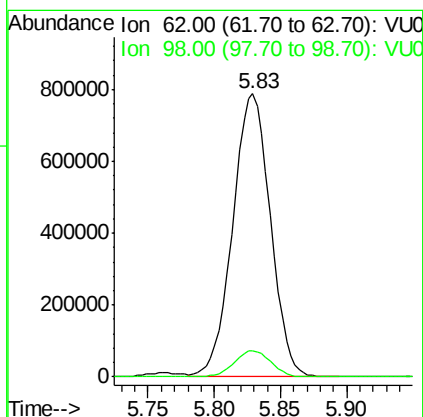
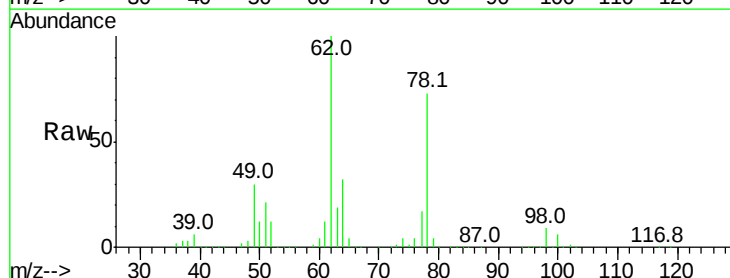
Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

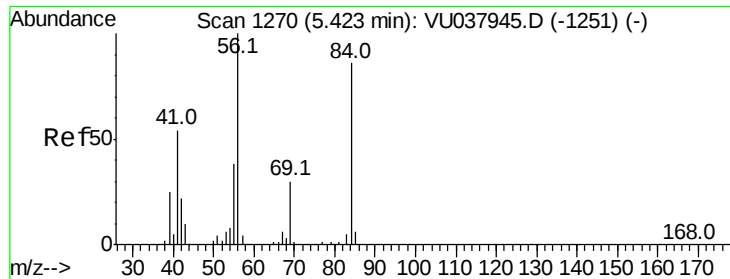
Tgt Ion: 83 Resp: 1871364
Ion Ratio Lower Upper
83 100
85 64.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 195.911 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

Tgt Ion: 62 Resp: 1552978
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4

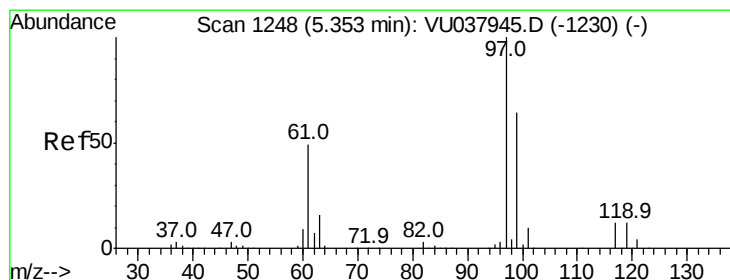
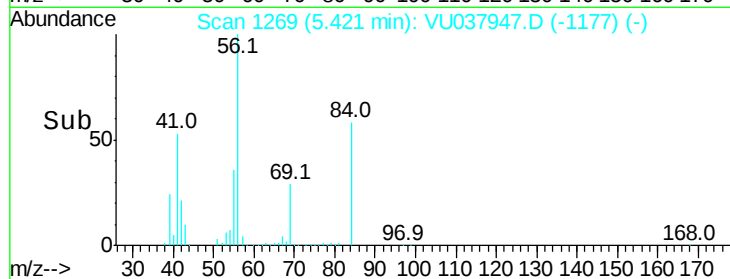
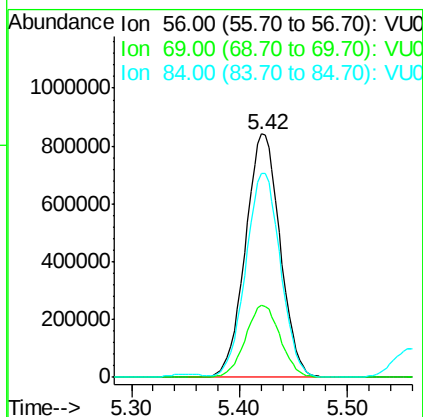
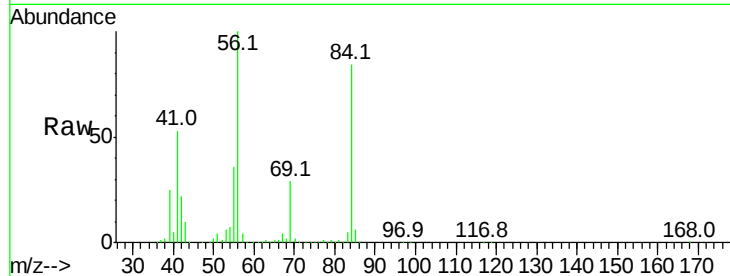




#29
Cyclohexane
Concen: 183.023 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

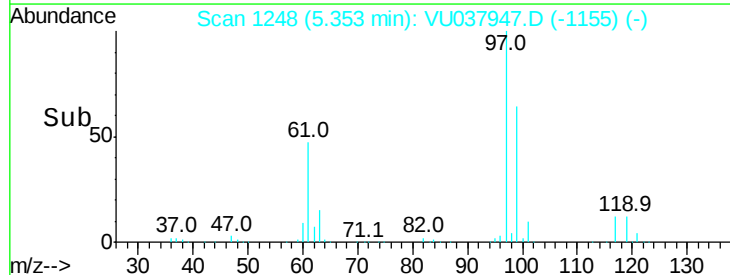
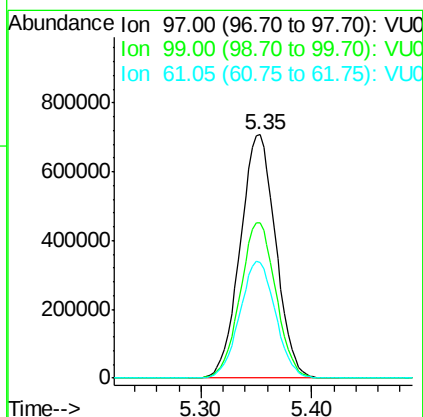
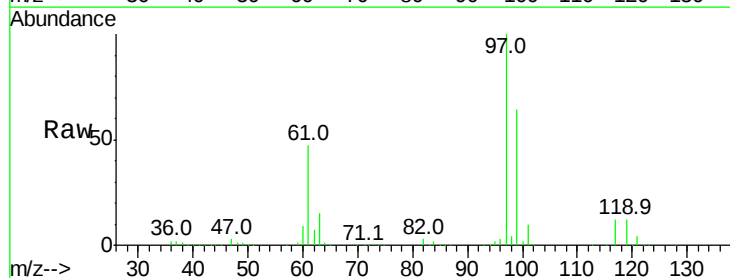
Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

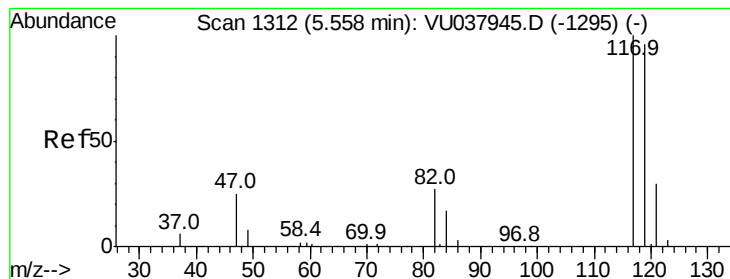
Tgt Ion: 56 Resp: 1874848
Ion Ratio Lower Upper
56 100
69 29.7 23.8 35.8
84 84.0 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 192.568 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

Tgt Ion: 97 Resp: 1574700
Ion Ratio Lower Upper
97 100
99 64.0 50.5 75.7
61 48.3 38.8 58.2





#31

Carbon tetrachloride

Concen: 190.367 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

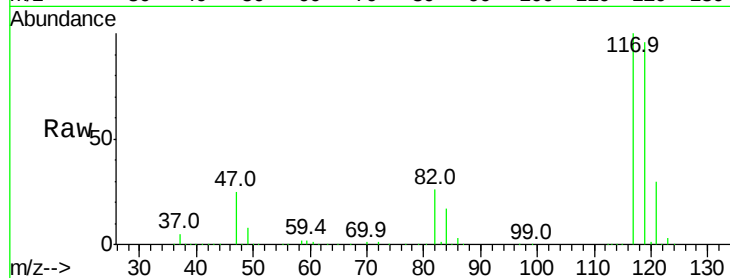
VSTD20032

Tgt Ion:117 Resp: 1258430

Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

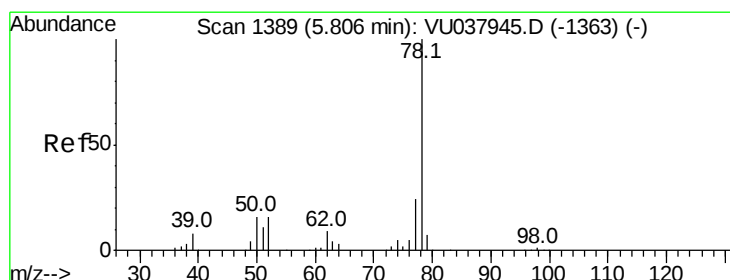
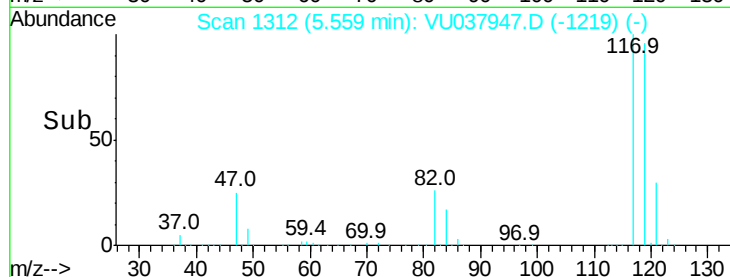
600000

400000

200000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 193.468 ug/L

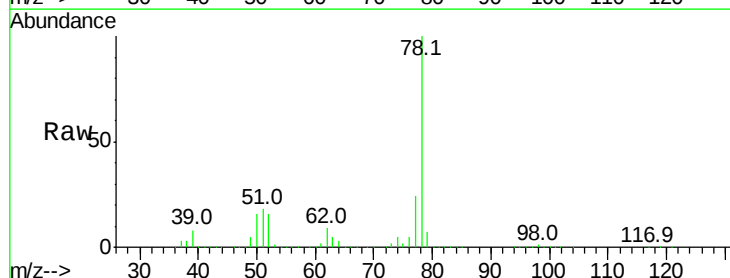
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Tgt Ion: 78 Resp: 4299707



Abundance Ion 78.00 (77.70 to 78.70): VU0

2500000

2000000

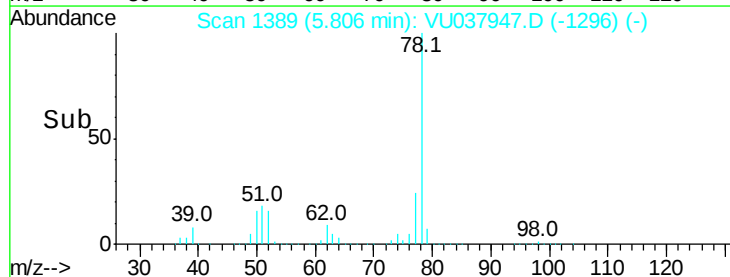
1500000

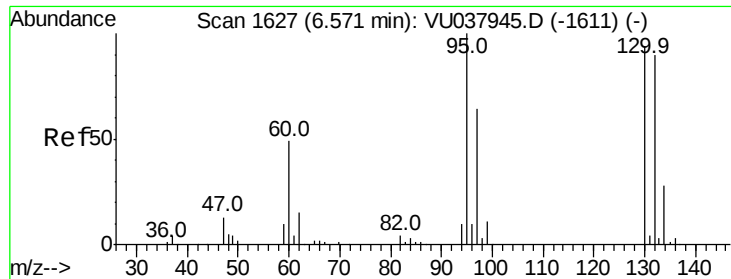
1000000

500000

0

Time--> 5.70 5.80 5.90

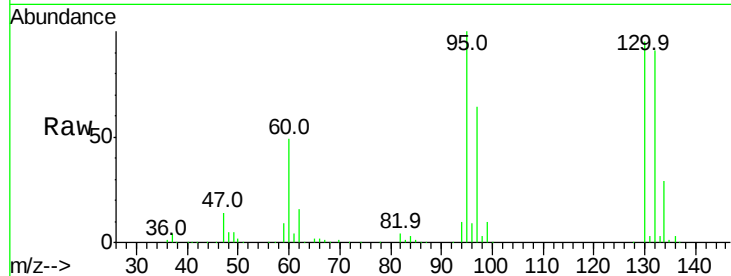




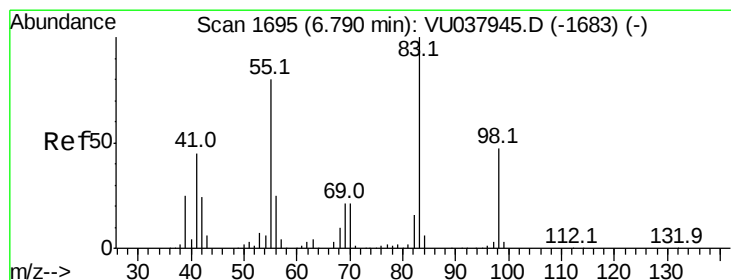
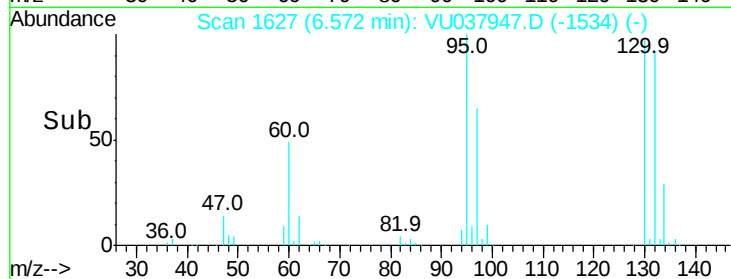
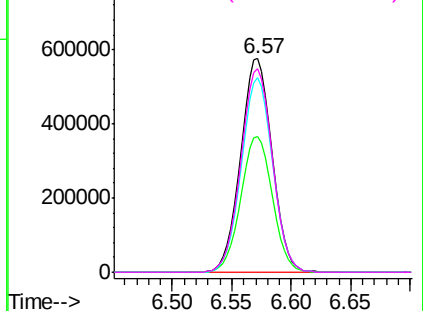
#34
 Trichloroethene
 Concen: 193.755 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037947.D
 Acq: 30 Apr 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

Tgt Ion: 95 Resp: 1056242
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.9 83.5
 132 90.9 63.2 117.4
 130 95.2 65.9 122.3

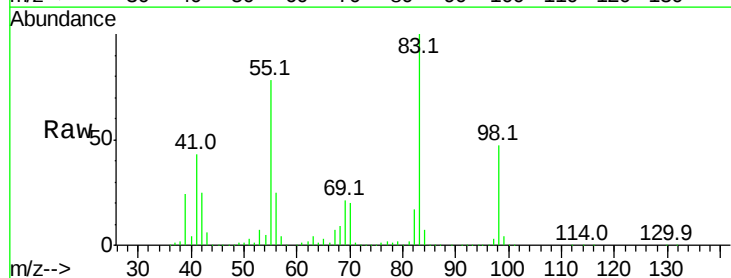


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

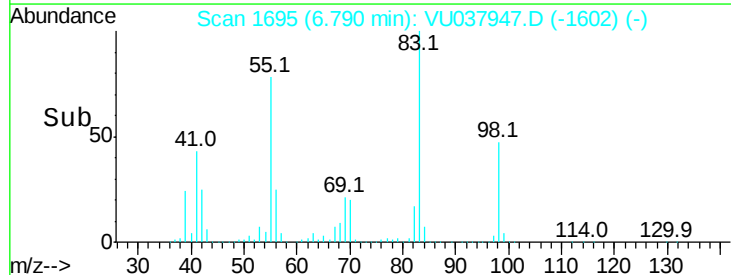
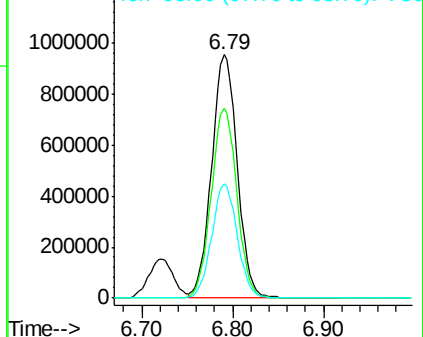


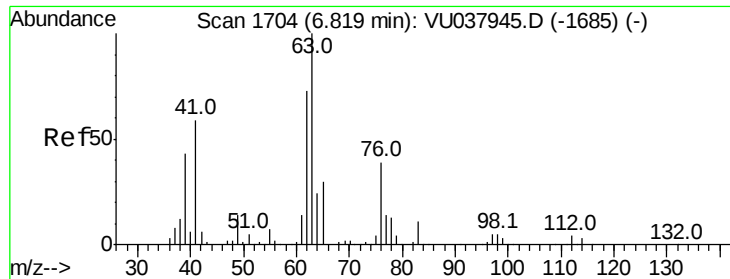
#35
 Methylcyclohexane
 Concen: 195.802 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU037947.D
 Acq: 30 Apr 2020 11:25

Tgt Ion: 83 Resp: 1869066
 Ion Ratio Lower Upper
 83 100
 55 77.7 64.2 96.4
 98 46.6 38.1 57.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 194.336 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

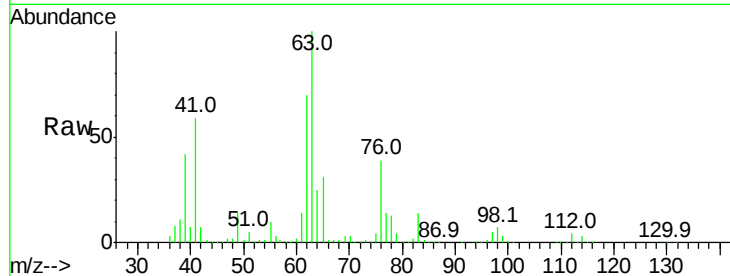
VSTD20032

Tgt Ion: 63 Resp: 1179625

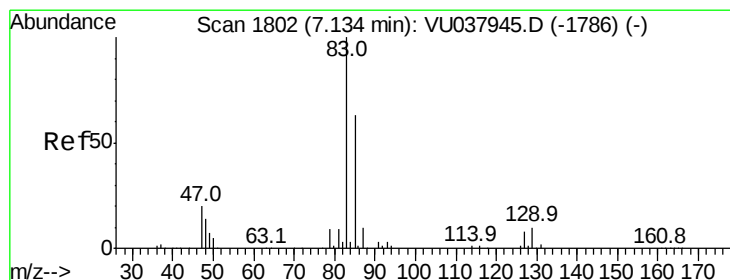
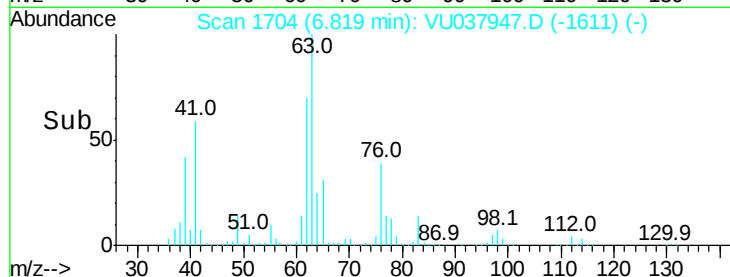
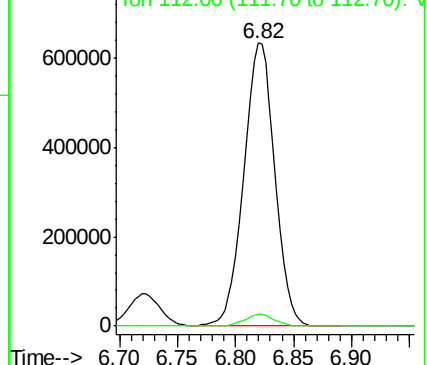
Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037947.D (-1685) (-)



#38

Bromodichloromethane

Concen: 200.443 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

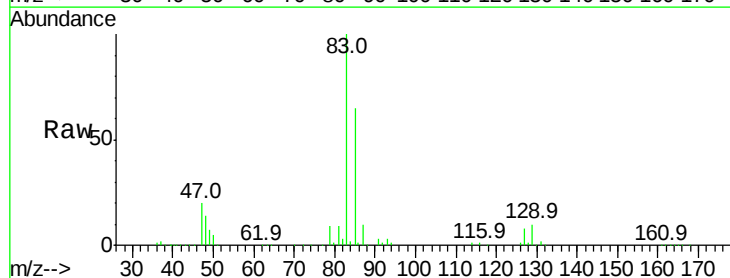
Tgt Ion: 83 Resp: 1469993

Ion Ratio Lower Upper

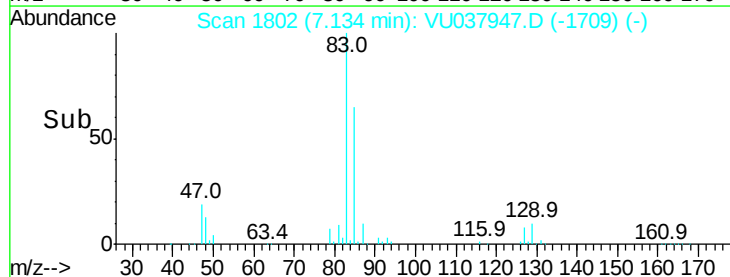
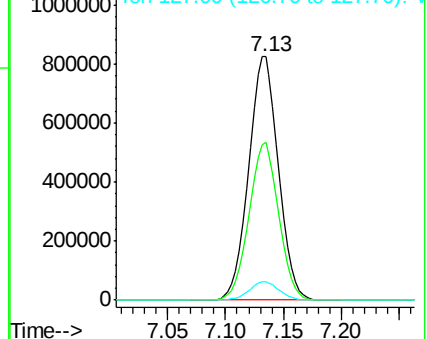
83 100

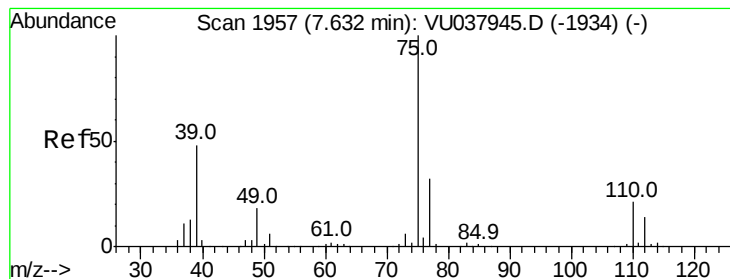
85 64.6 43.8 81.3

127 7.6 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VU037947.D (-1786) (-)



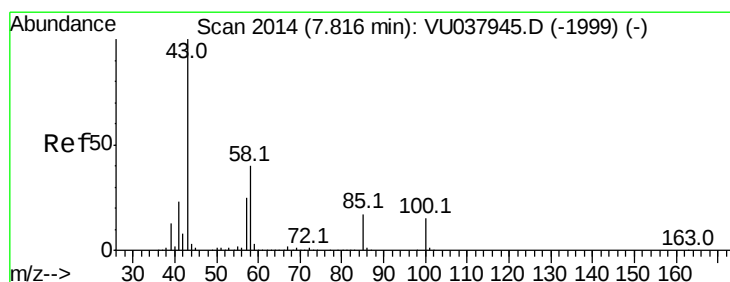
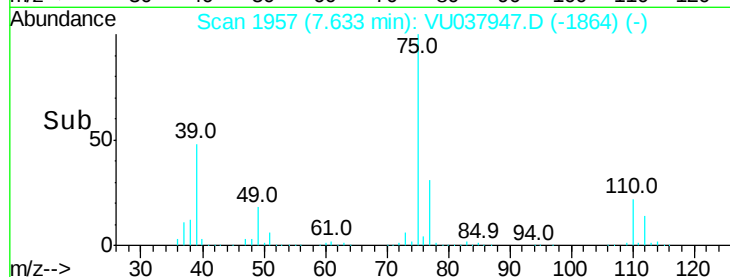
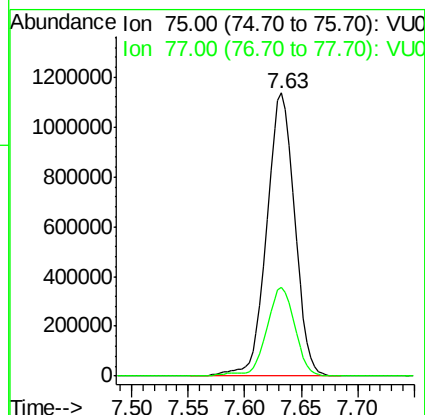
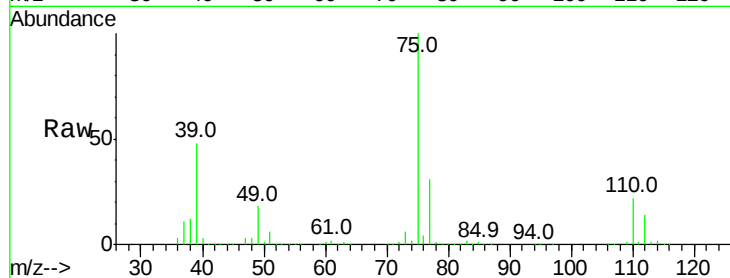


#39

cis-1,3-Dichloropropene
Concen: 200.817 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

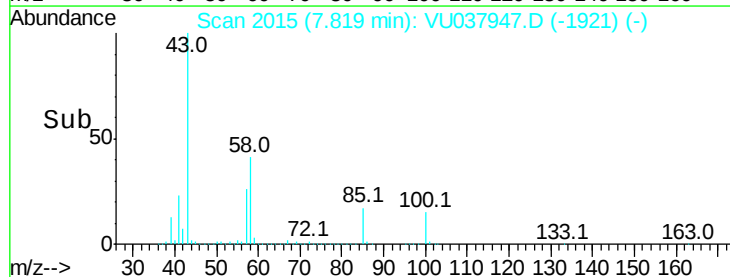
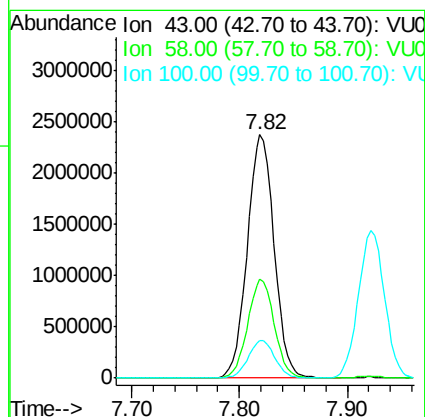
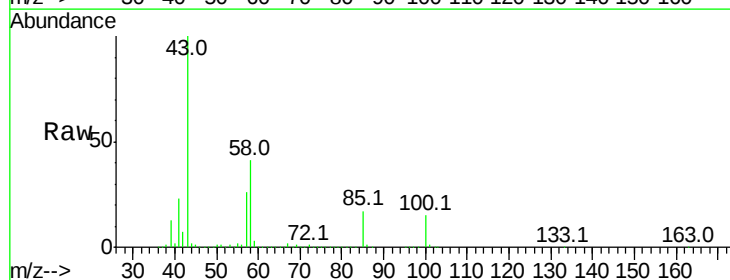
Tgt Ion: 75 Resp: 1951666
Ion Ratio Lower Upper
75 100
77 31.3 22.6 42.0

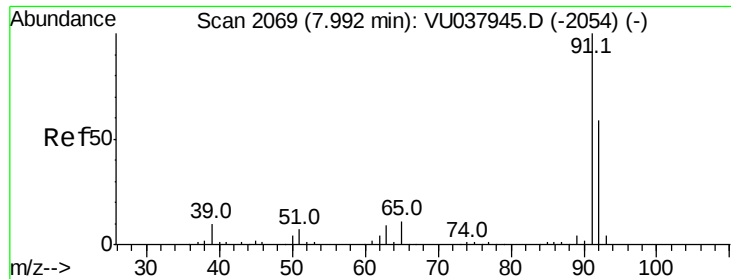


#40

4-Methyl-2-pentanone
Concen: 387.476 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

Tgt Ion: 43 Resp: 4090323
Ion Ratio Lower Upper
43 100
58 40.5 31.8 47.8
100 15.4 12.2 18.2





#42

Toluene

Concen: 198.306 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

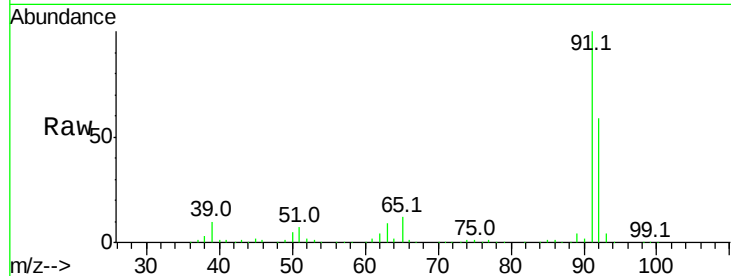
VSTD20032

Tgt Ion: 91 Resp: 4620807

Ion Ratio Lower Upper

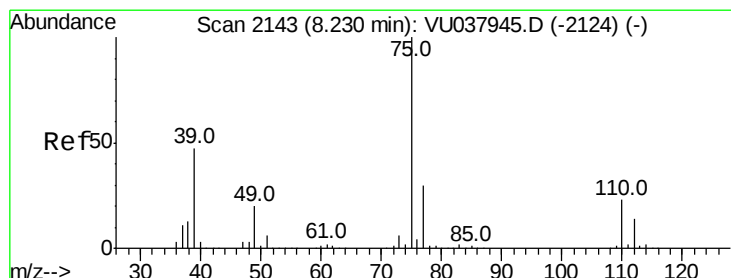
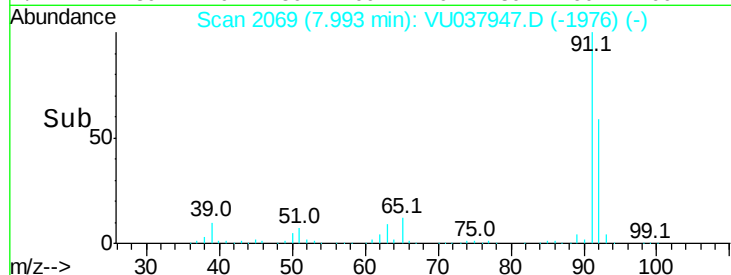
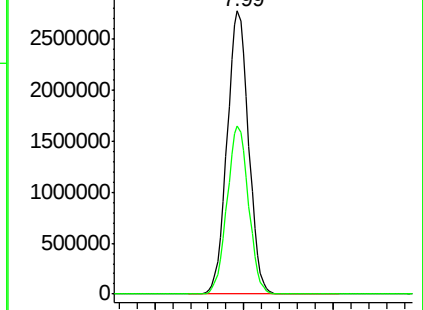
91 100

92 59.4 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VU037947.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037947.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 196.595 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037947.D

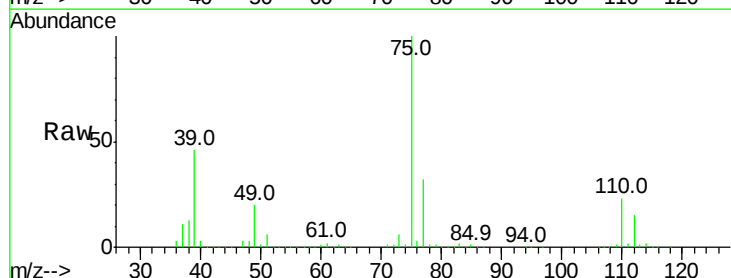
Acq: 30 Apr 2020 11:25

Tgt Ion: 75 Resp: 1844263

Ion Ratio Lower Upper

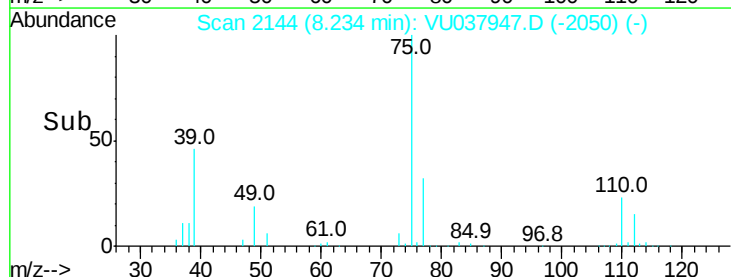
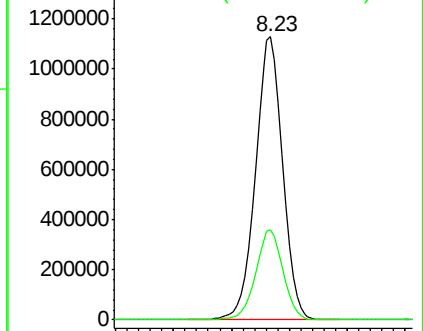
75 100

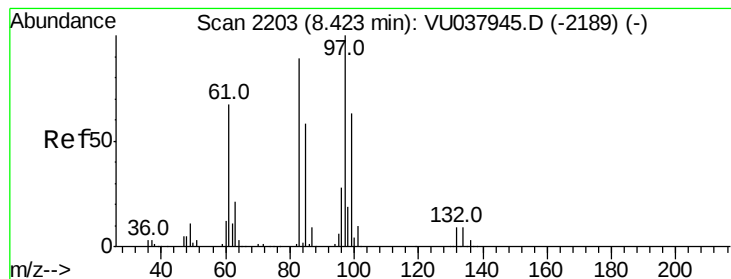
77 31.7 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU037947.D (-2050) (-)

Ion 77.00 (76.70 to 77.70): VU037947.D (-2050) (-)





#45

1,1,2-Trichloroethane

Concen: 203.698 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

Tgt Ion: 97 Resp: 1078631

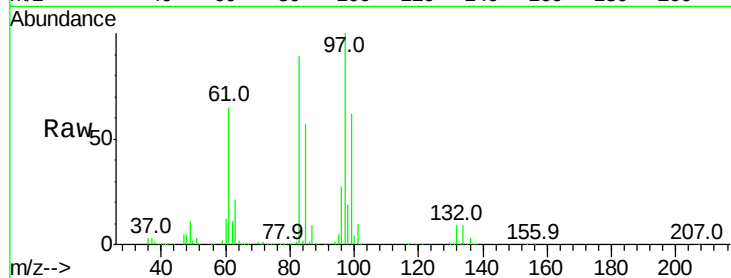
Ion Ratio Lower Upper

97 100

99 62.3 44.4 82.4

83 88.9 61.9 115.1

85 56.9 40.5 75.1

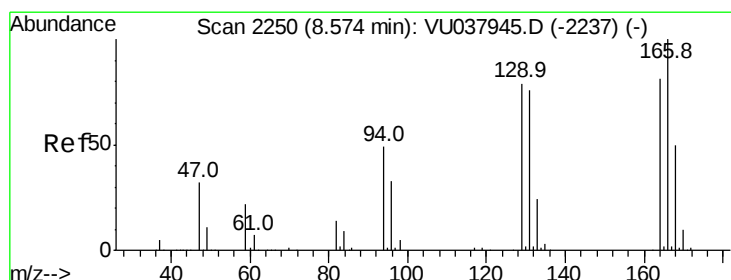
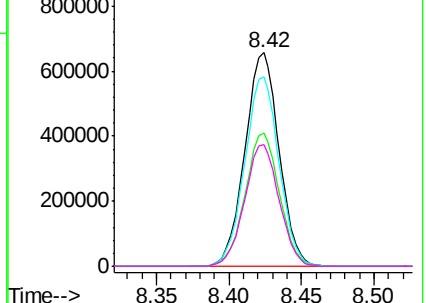
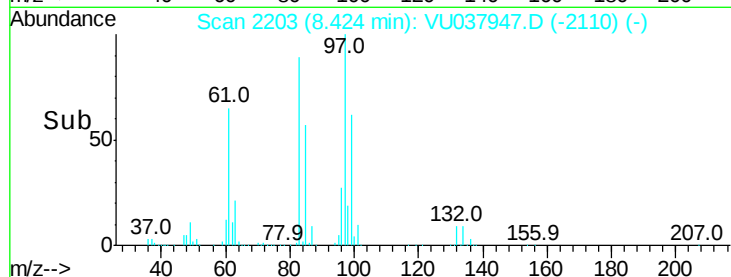


Abundance Ion 97.00 (96.70 to 97.70): VU037947.D (-2110) (-)

Ion 99.00 (98.70 to 99.70): VU037947.D (-2110) (-)

Ion 83.00 (82.70 to 83.70): VU037947.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037947.D (-2110) (-)



#46

Tetrachloroethene

Concen: 185.865 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Tgt Ion: 164 Resp: 740591

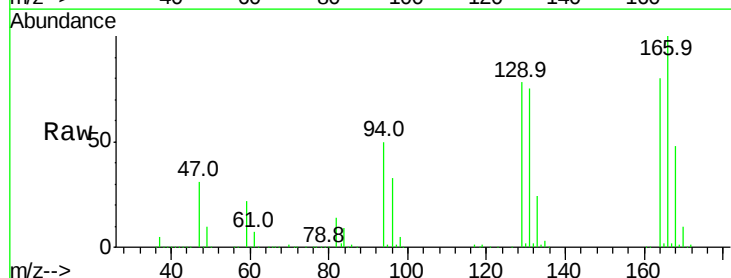
Ion Ratio Lower Upper

164 100

129 97.8 68.4 127.0

131 94.5 65.7 122.1

166 125.5 86.7 161.1

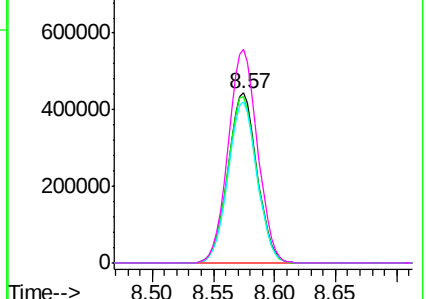
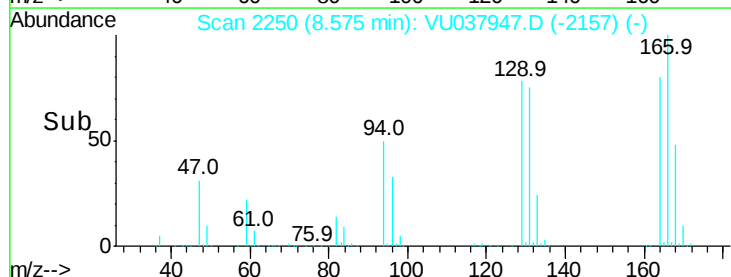


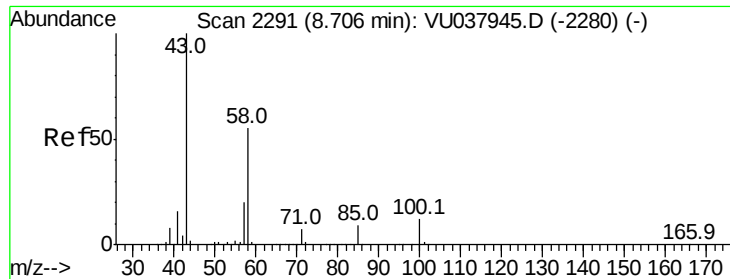
Abundance Ion 164.00 (163.70 to 164.70): VU037947.D (-2157) (-)

Ion 129.00 (128.70 to 129.70): VU037947.D (-2157) (-)

Ion 131.00 (130.70 to 131.70): VU037947.D (-2157) (-)

Ion 166.00 (165.70 to 166.70): VU037947.D (-2157) (-)



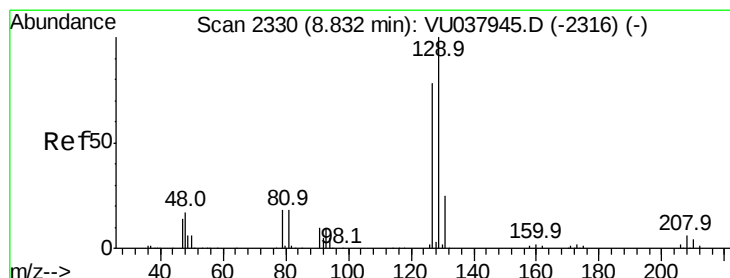
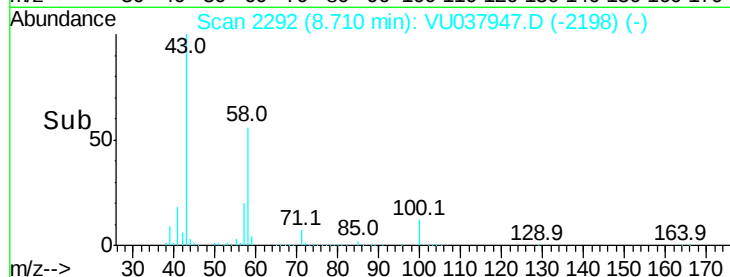
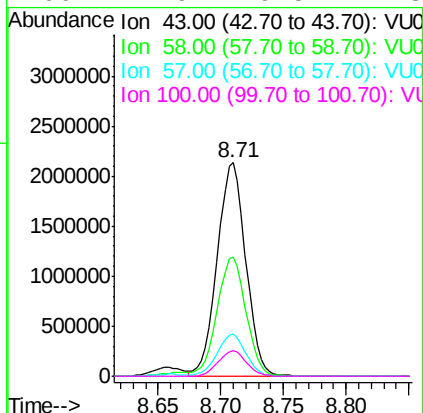
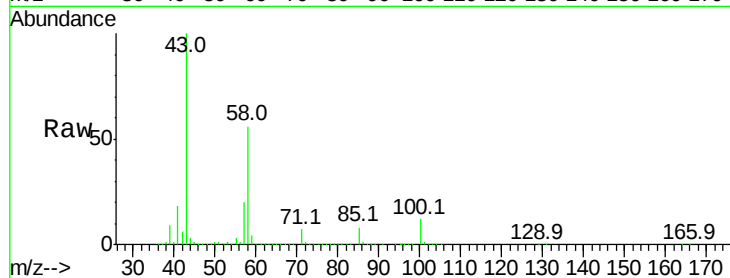


#48
2-Hexanone
Concen: 403.972 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

Tgt Ion: 43 Resp: 3371775

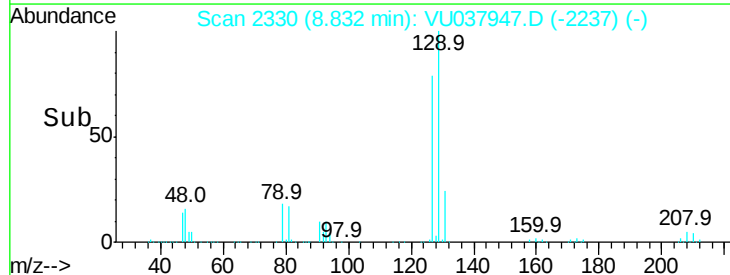
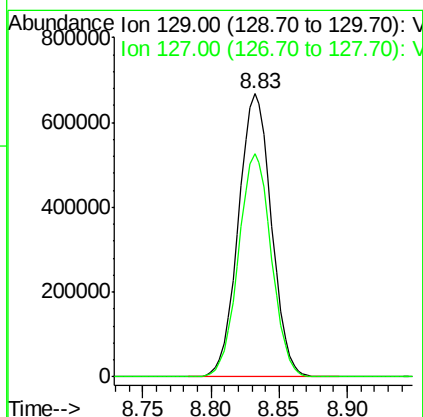
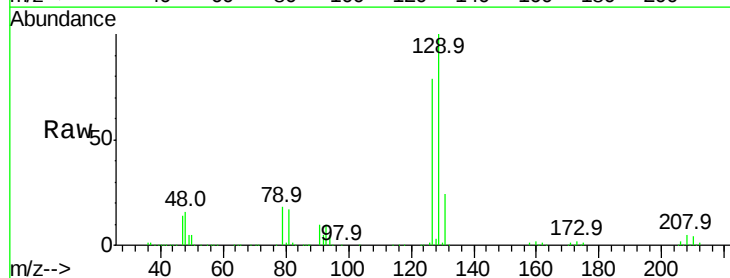
Ion	Ratio	Lower	Upper
43	100		
58	56.6	46.4	69.6
57	19.7	16.4	24.6
100	11.9	9.5	14.3

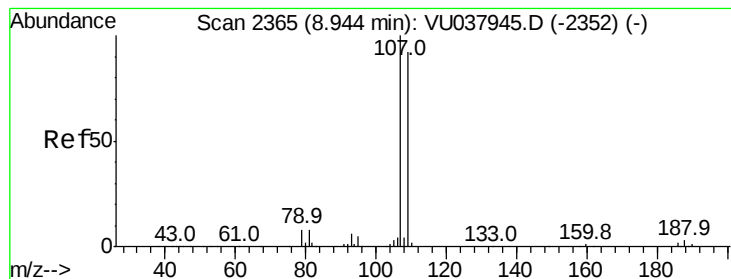


#49
Dibromochloromethane
Concen: 202.821 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037947.D
Acq: 30 Apr 2020 11:25

Tgt Ion: 129 Resp: 1121456

Ion	Ratio	Lower	Upper
129	100		
127	78.7	54.7	101.5





#50

1,2-Dibromoethane

Concen: 205.543 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

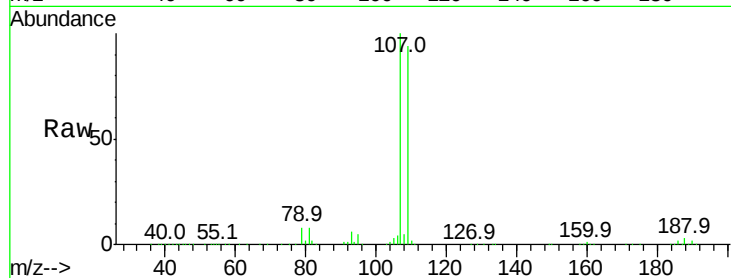
Tgt Ion:107 Resp: 1178988

Ion Ratio Lower Upper

107 100

109 93.7 64.1 119.1

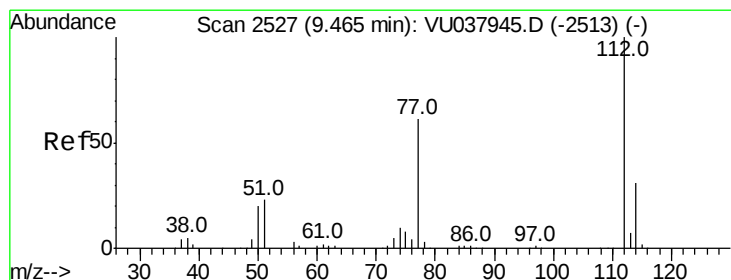
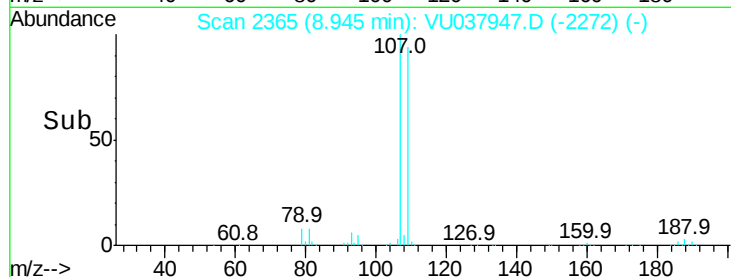
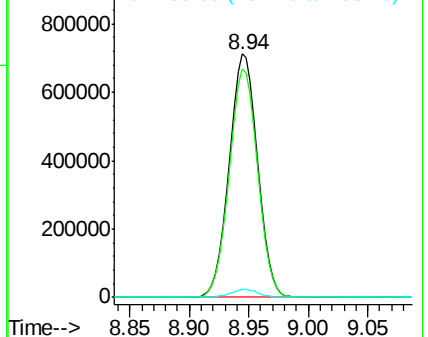
188 3.1 2.2 3.2



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: 201.702 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

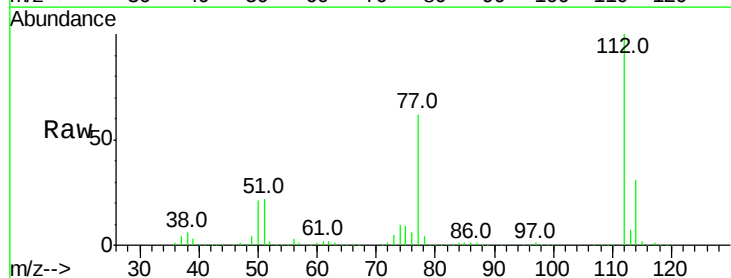
Tgt Ion:112 Resp: 2923379

Ion Ratio Lower Upper

112 100

114 31.5 21.6 40.2

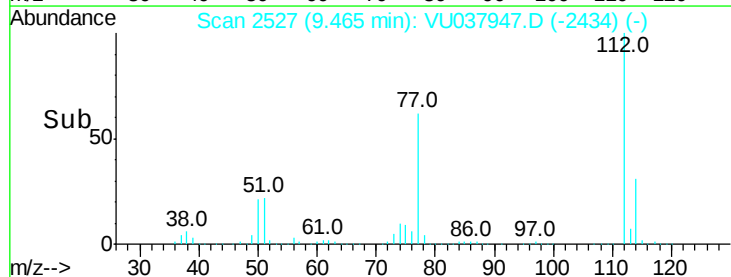
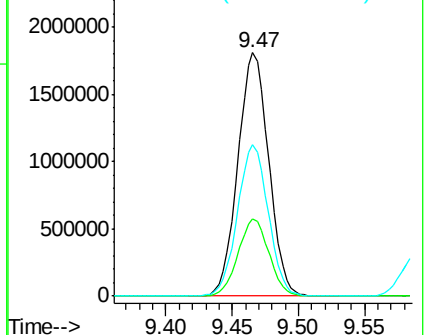
77 62.0 49.3 73.9

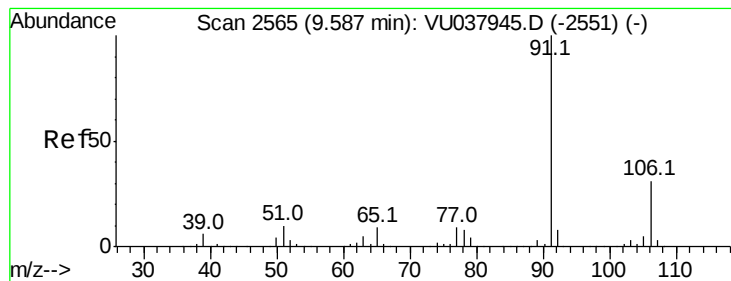


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 203.972 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

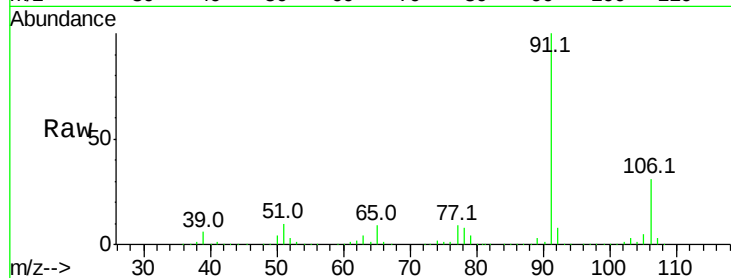
VSTD20032

Tgt Ion: 91 Resp: 5322471

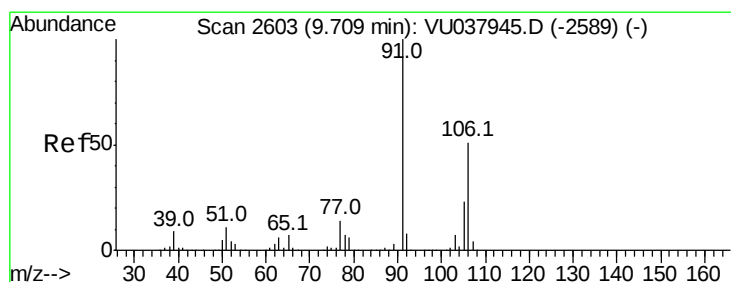
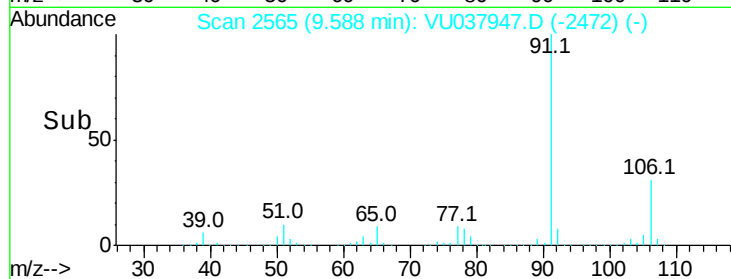
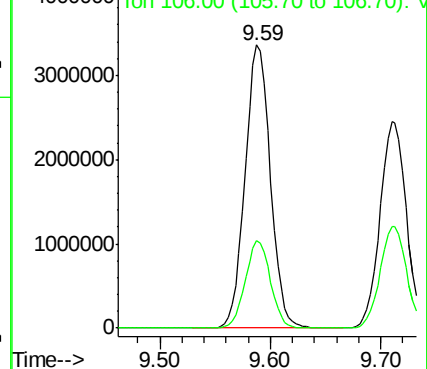
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU037947.D (-2551) (-)



#53

m,p-Xylene

Concen: 206.339 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037947.D

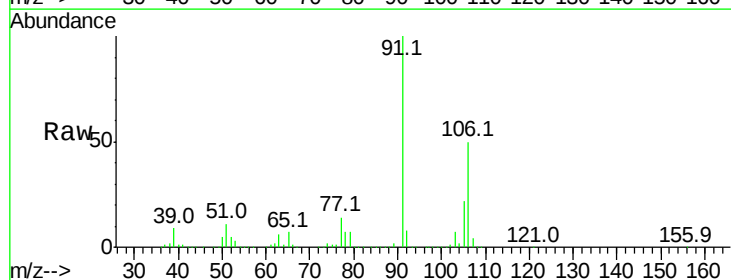
Acq: 30 Apr 2020 11:25

Tgt Ion: 106 Resp: 2027211

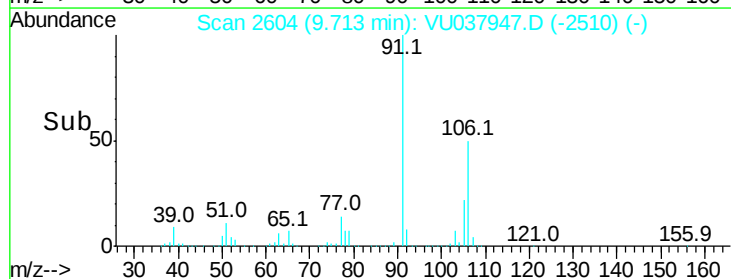
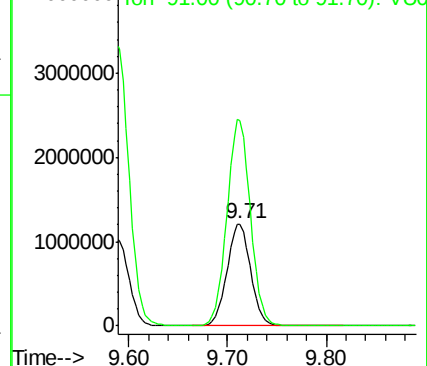
Ion Ratio Lower Upper

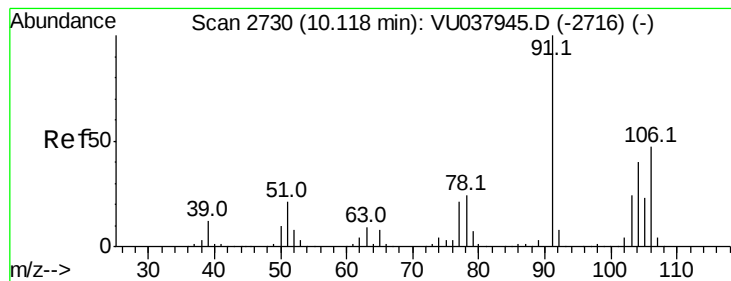
106 100

91 201.9 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU037947.D (-2603) (-)





#54

o-xylene

Concen: 210.500 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

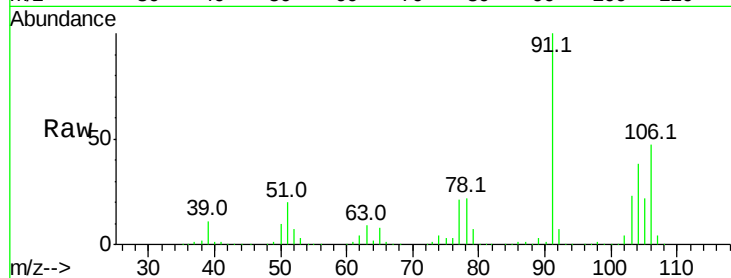
VSTD20032

Tgt Ion:106 Resp: 2022599

Ion Ratio Lower Upper

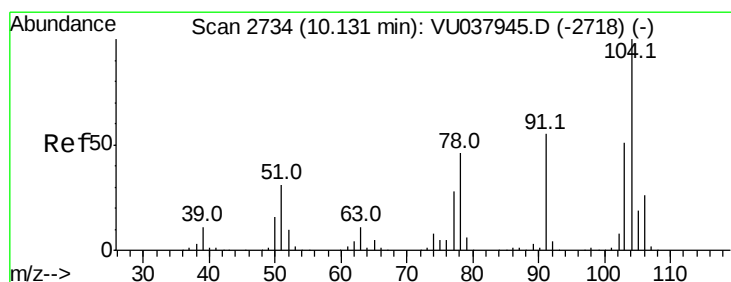
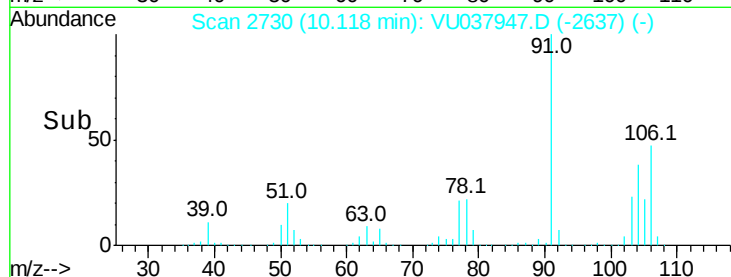
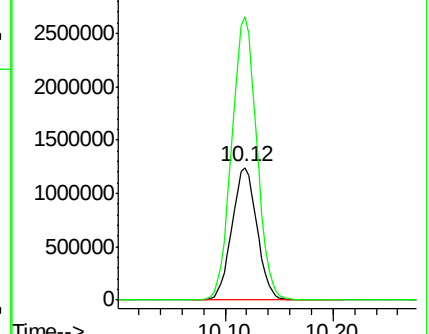
106 100

91 213.6 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 214.747 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037947.D

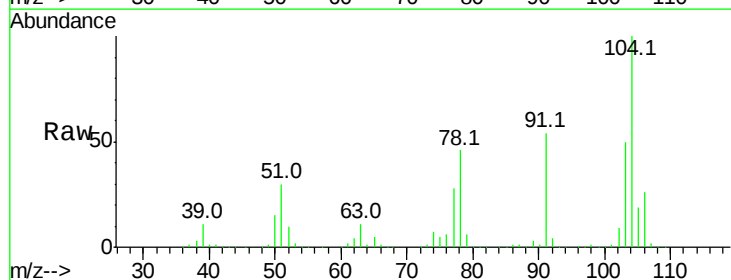
Acq: 30 Apr 2020 11:25

Tgt Ion:104 Resp: 3548538

Ion Ratio Lower Upper

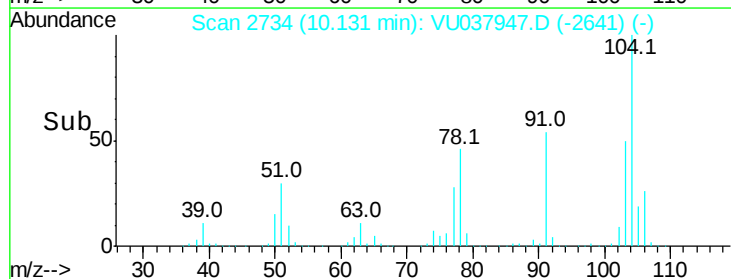
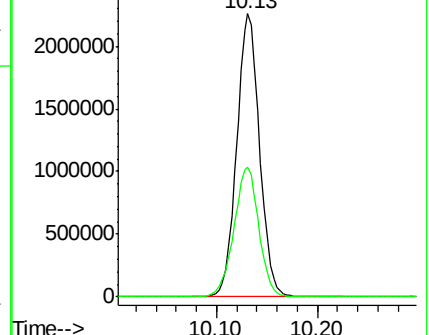
104 100

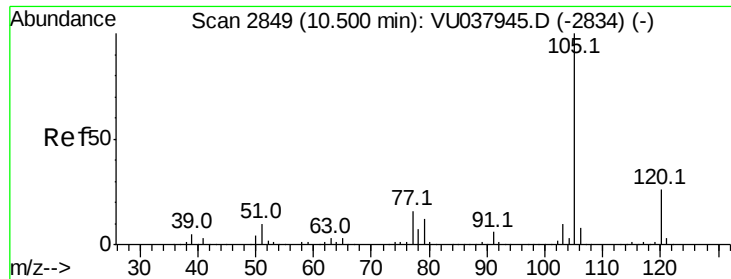
78 46.0 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 205.644 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

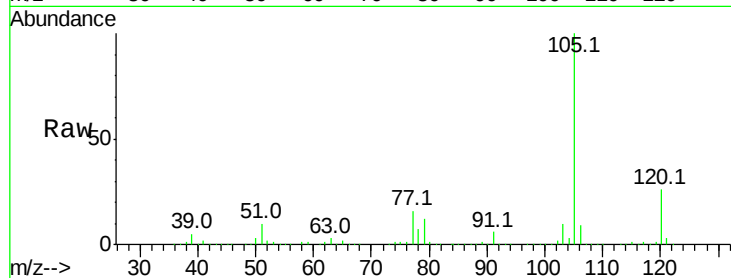
Tgt Ion:105 Resp: 5229414

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

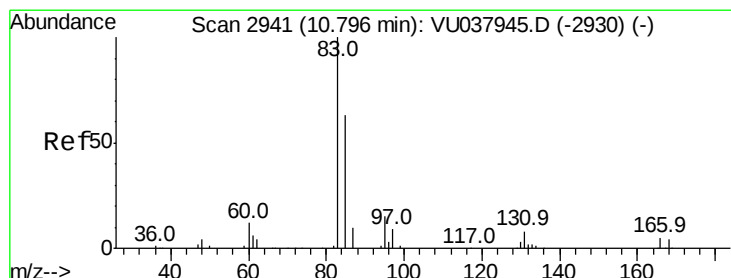
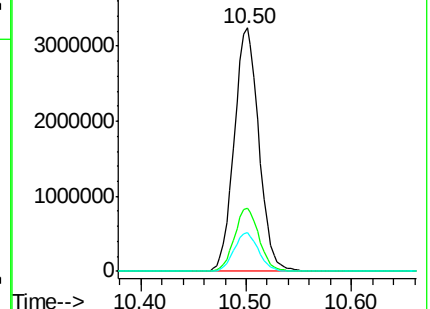
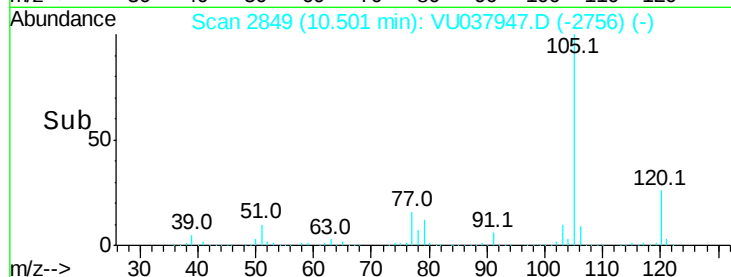
77 15.9 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 220.233 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

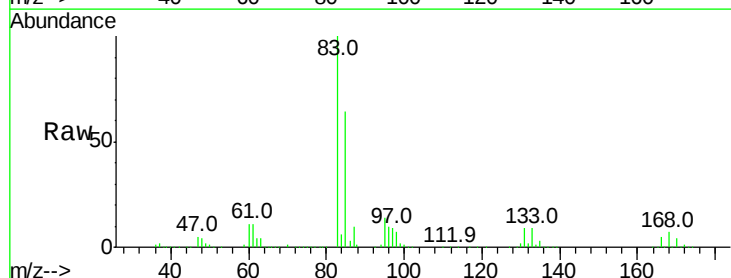
Tgt Ion: 83 Resp: 2074060

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.3

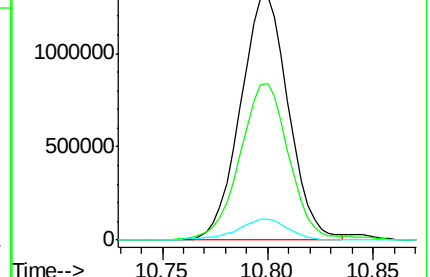
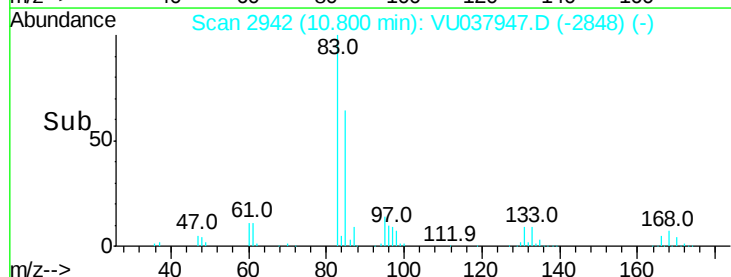
131 8.6 6.8 10.2

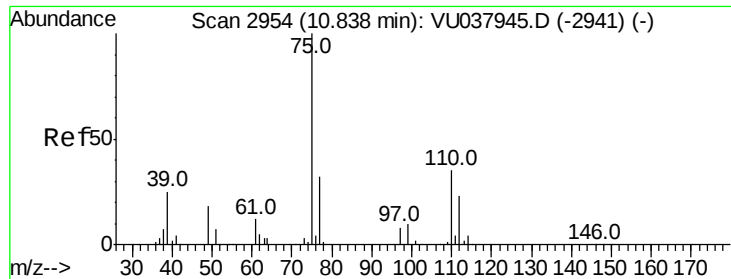


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

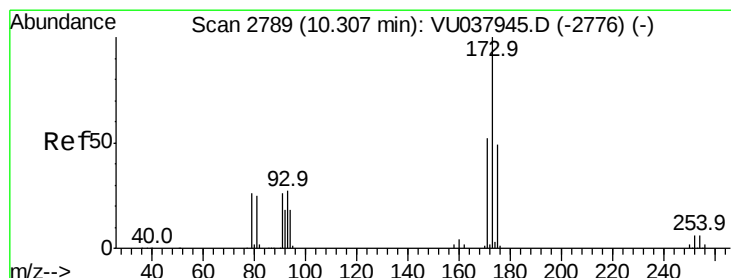
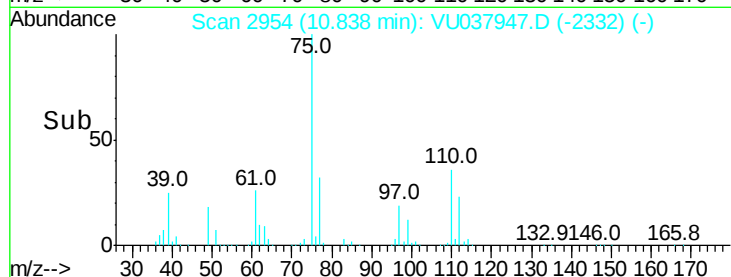
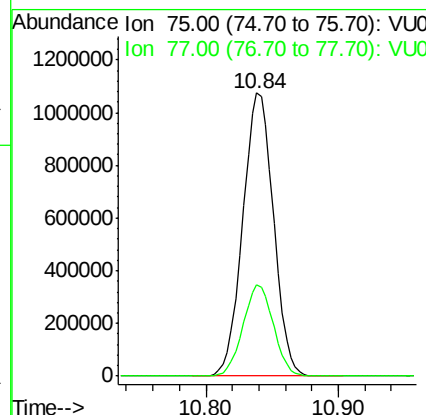
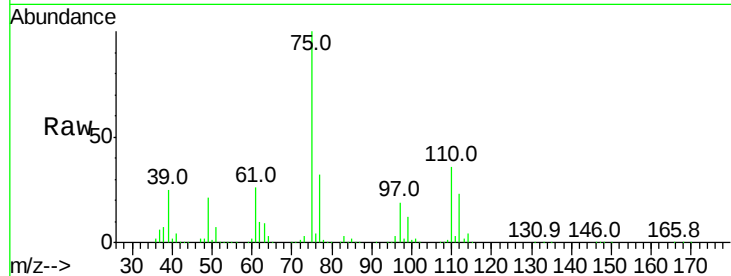




#59
 1,2,3-Trichloropropane
 Concen: 211.098 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU037947.D
 Acq: 30 Apr 2020 11:25

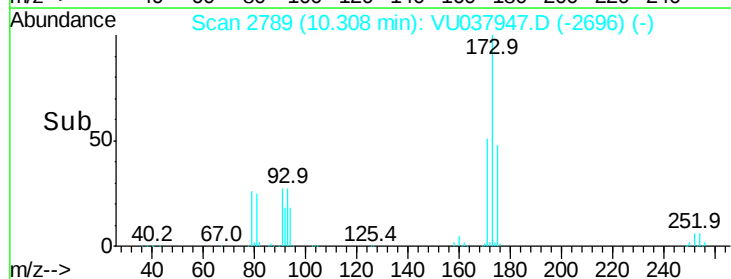
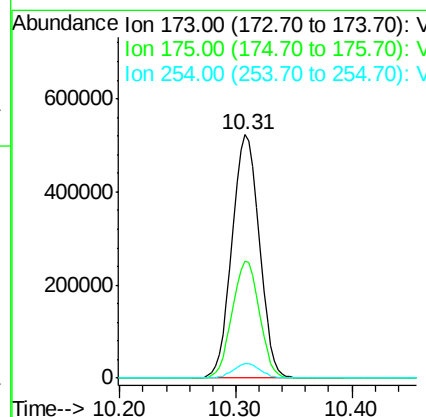
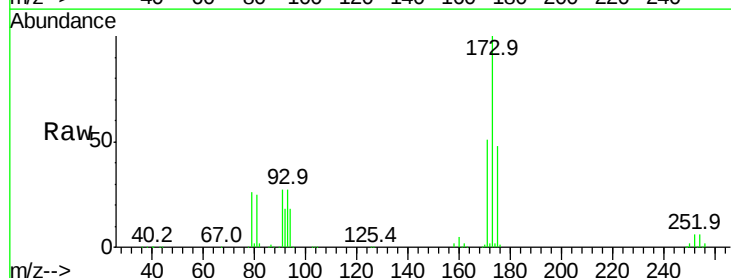
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

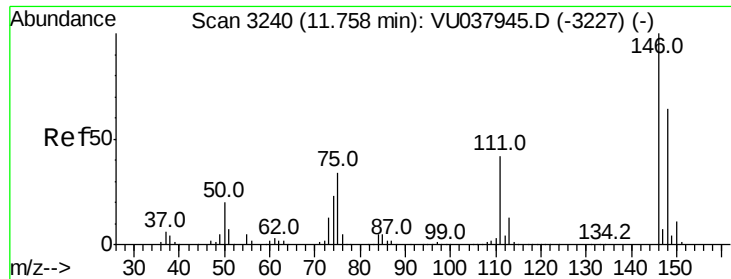
Tgt Ion: 75 Resp: 1721312
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#61
 Bromoform
 Concen: 203.113 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU037947.D
 Acq: 30 Apr 2020 11:25

Tgt Ion: 173 Resp: 848536
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.0 58.4
 254 5.9 4.7 7.1

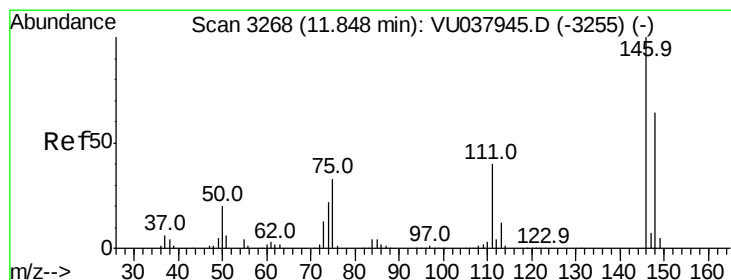
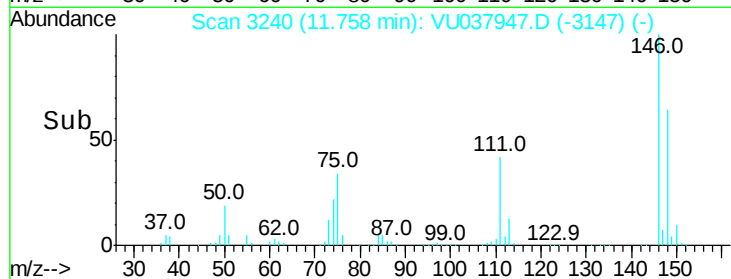
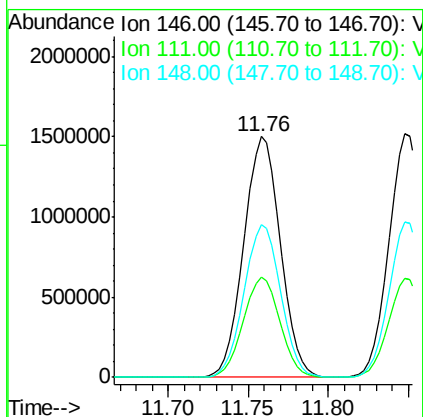
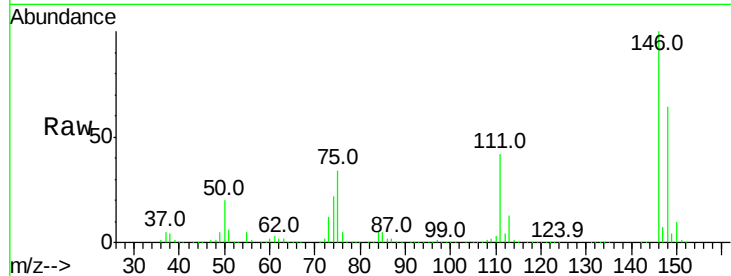




#62
 1,3-Dichlorobenzene
 Concen: 201.545 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037947.D
 Acq: 30 Apr 2020 11:25

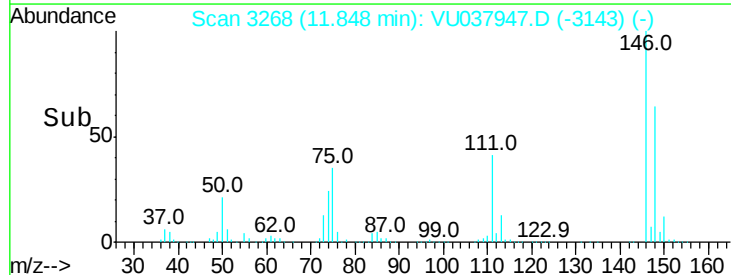
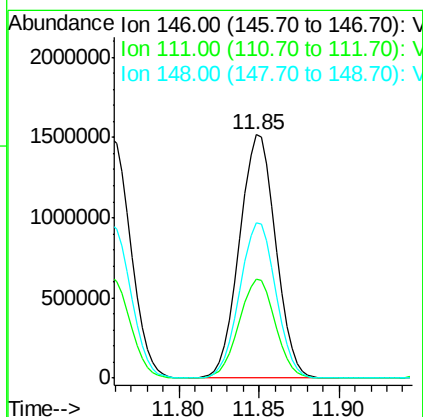
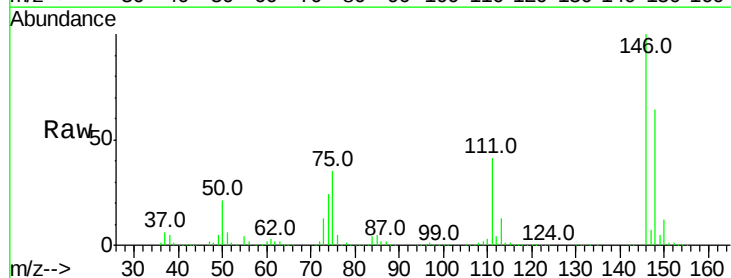
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

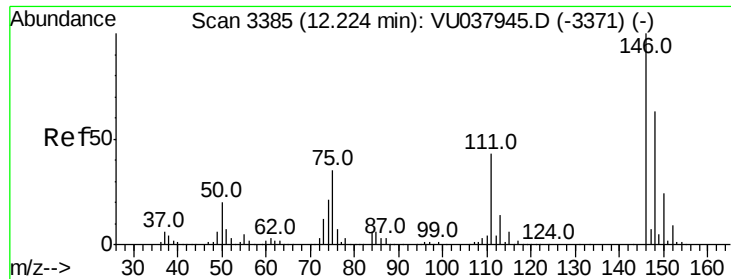
Tgt Ion:146 Resp: 2342472
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.2 54.2
 148 63.6 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 200.184 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU037947.D
 Acq: 30 Apr 2020 11:25

Tgt Ion:146 Resp: 2348330
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.2 52.4
 148 63.9 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 204.616 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

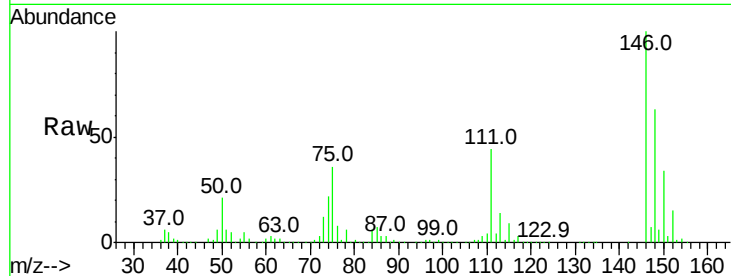
Tgt Ion:146 Resp: 2310948

Ion Ratio Lower Upper

146 100

111 44.1 34.6 51.8

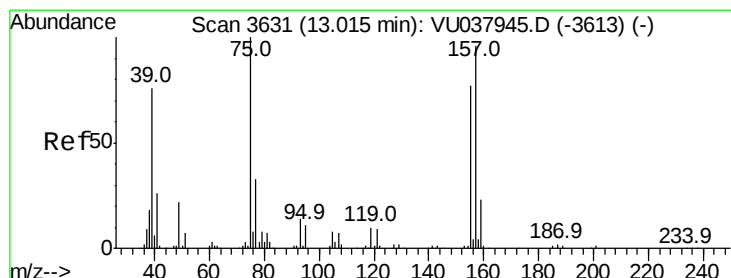
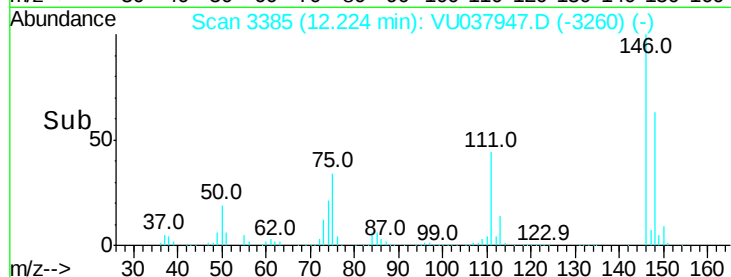
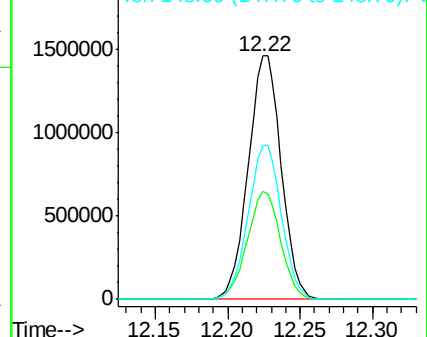
148 63.1 50.1 75.1



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: 200.049 ug/L

RT: 13.02 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

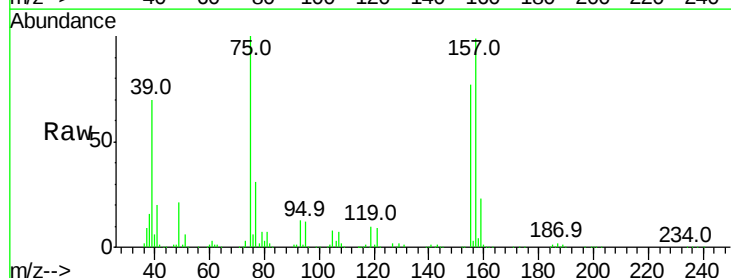
Tgt Ion: 75 Resp: 503532

Ion Ratio Lower Upper

75 100

155 76.8 61.3 91.9

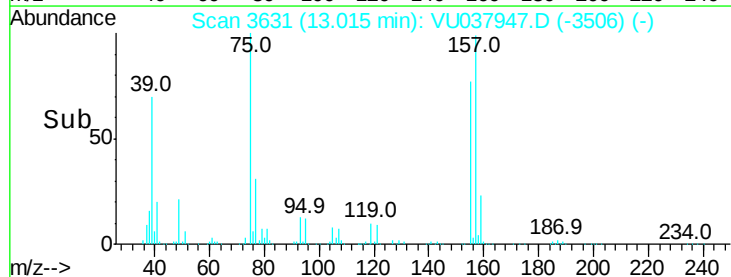
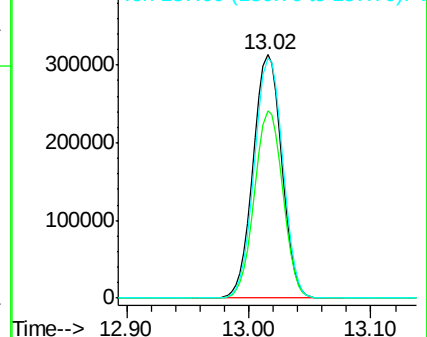
157 98.7 76.9 115.3

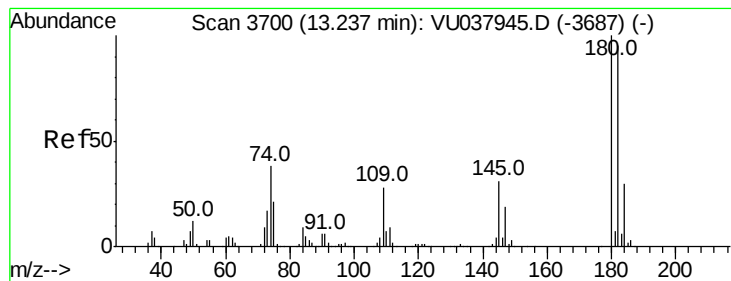


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 194.476 ug/L

RT: 13.24 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

Tgt Ion:180 Resp: 1642639

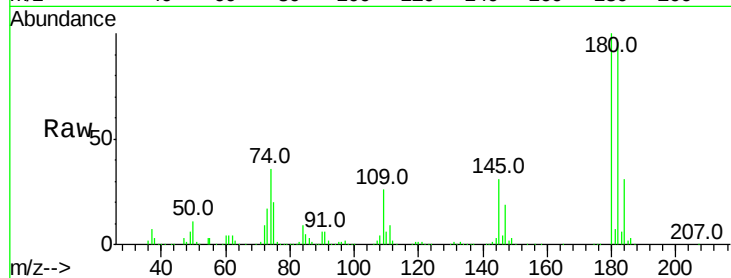
Ion Ratio Lower Upper

180 100

182 95.5 75.7 113.5

184 30.6 24.2 36.2

145 30.8 24.6 37.0

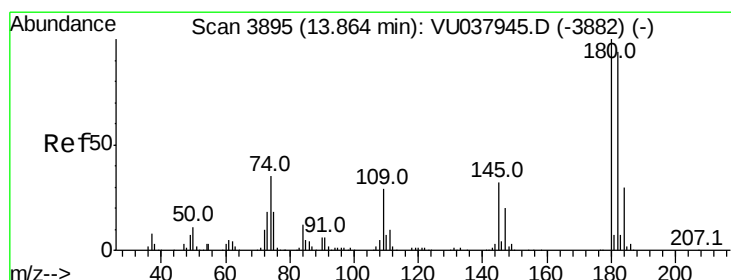
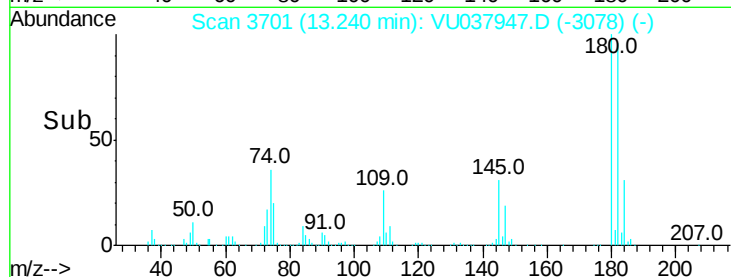
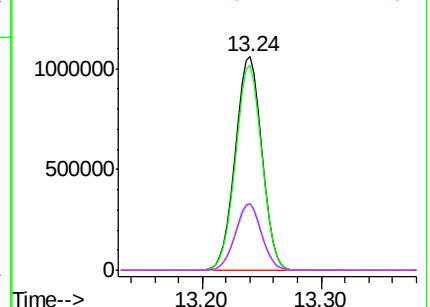


Abundance Ion 180.00 (179.70 to 180.70): V

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: 191.372 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. 0.00 min

Lab File: VU037947.D

Acq: 30 Apr 2020 11:25

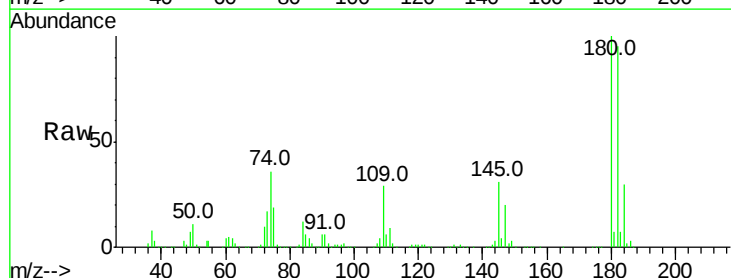
Tgt Ion:180 Resp: 1572090

Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.0

145 31.0 25.3 37.9



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

