

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101020\
 Data File : VU040625.D
 Acq On : 10 Oct 2020 10:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB204

Quant Time: Oct 12 01:29:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 11:15:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	281566	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	272427	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	143813	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	112134	46.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.74%
7) Chloroethane-d5	1.92	69	85451	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.78%
11) 1,1-Dichloroethene-d2	2.58	63	221776	48.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.14%
21) 2-Butanone-d5	4.65	46	214001	111.51	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.51%
24) Chloroform-d	5.08	84	209208	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.32%
26) 1,2-Dichloroethane-d4	5.72	65	141419	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
32) Benzene-d6	5.74	84	386644	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
36) 1,2-Dichloropropane-d6	6.70	67	129639	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.78%
41) Toluene-d8	7.90	98	351050	49.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.90%
43) trans-1,3-Dichloropropene-	8.19	79	63384	48.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.46%
47) 2-Hexanone-d5	8.64	63	137221	113.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.27%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	184086	49.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.08%
66) 1,2-Dichlorobenzene-d4	12.19	152	138436	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	133924	49.396	ug/L	100
3) Chloromethane	1.53	50	127293	44.678	ug/L	98
5) Vinyl chloride	1.61	62	135090	47.889	ug/L	98
6) Bromomethane	1.87	94	62660	42.321	ug/L	97
8) Chloroethane	1.94	64	80127	47.078	ug/L	98
9) Trichlorofluoromethane	2.15	101	180347	49.841	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	109739	50.877	ug/L	99
12) 1,1-Dichloroethene	2.59	96	99977	50.132	ug/L	85
13) Acetone	2.66	43	226492	122.895	ug/L	100
14) Carbon disulfide	2.81	76	326734	47.724	ug/L	100
15) Methyl Acetate	2.97	43	156628	52.103	ug/L	100
16) Methylene chloride	3.06	84	113210	47.868	ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	104386	49.145	ug/L	95
18) Methyl tert-butyl Ether	3.38	73	329288	49.290	ug/L	100
19) 1,1-Dichloroethane	3.89	63	208286	49.167	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	111600	48.752	ug/L	99
22) 2-Butanone	4.73	43	265596	112.973	ug/L	99

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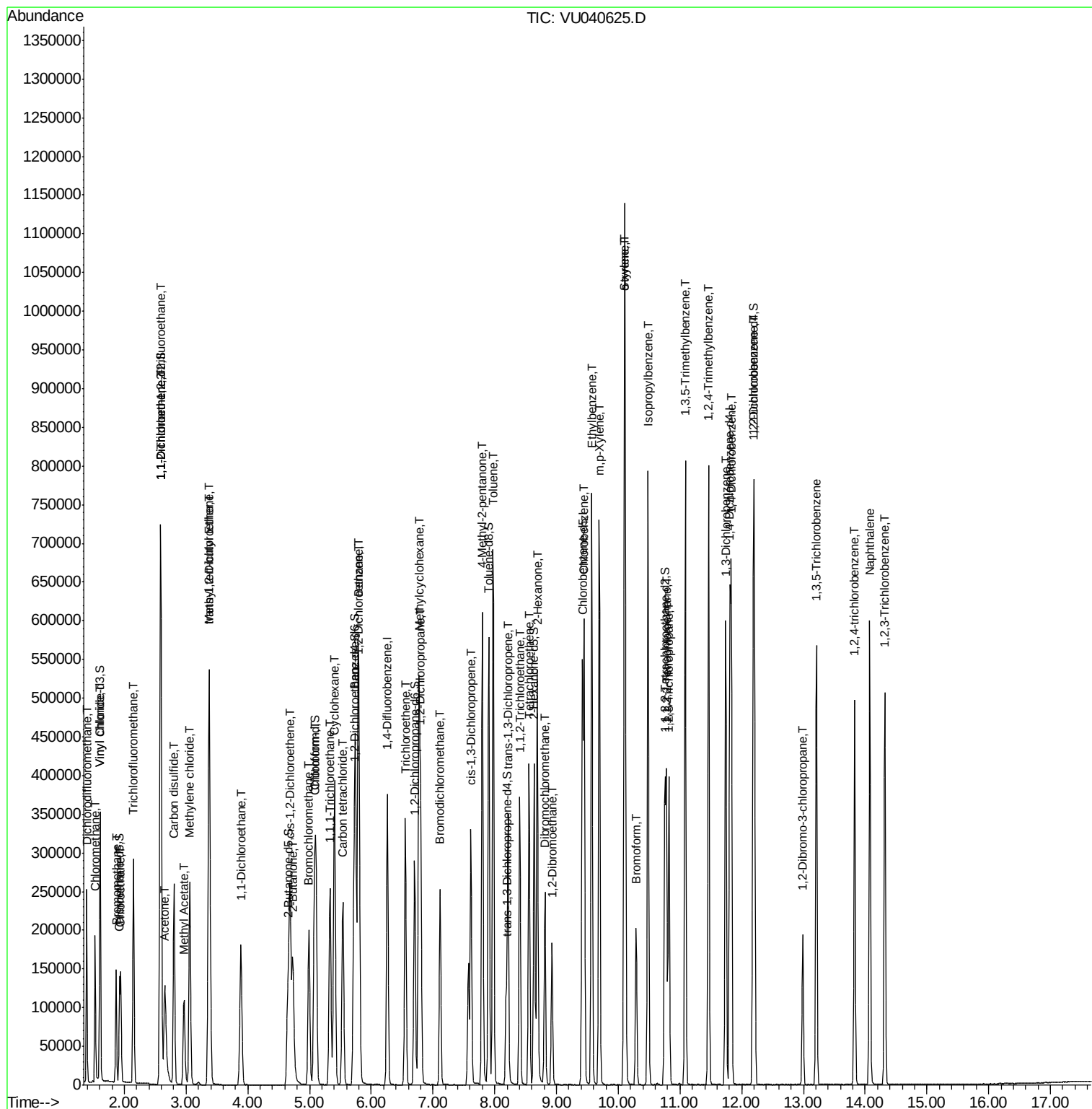
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	58550	49.082	ug/L	95
25) Chloroform	5.11	83	213220	49.360	ug/L	99
27) 1,2-Dichloroethane	5.81	62	174826	49.041	ug/L	98
29) Cyclohexane	5.40	56	187320	51.353	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	179782	51.383	ug/L	99
31) Carbon tetrachloride	5.54	117	157671	52.114	ug/L	99
33) Benzene	5.79	78	451201	51.241	ug/L	100
34) Trichloroethene	6.55	95	113092	49.856	ug/L	99
35) Methylcyclohexane	6.77	83	180828	52.433	ug/L	99
37) 1,2-Dichloropropane	6.80	63	119167	49.282	ug/L	100
38) Bromodichloromethane	7.11	83	157518	50.151	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	179858	50.752	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	411431	107.833	ug/L	100
42) Toluene	7.97	91	470472	52.333	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	180342	50.543	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	107357	49.562	ug/L	97
46) Tetrachloroethene	8.56	164	84043	51.275	ug/L	98
48) 2-Hexanone	8.69	43	350468	113.015	ug/L	99
49) Dibromochloromethane	8.81	129	120478	50.937	ug/L	99
50) 1,2-Dibromoethane	8.93	107	117583	51.206	ug/L	94
51) Chlorobenzene	9.45	112	290722	49.305	ug/L	99
52) Ethylbenzene	9.57	91	509201	51.030	ug/L	99
53) m,p-Xylene	9.69	106	189898	51.681	ug/L	97
54) o-xylene	10.10	106	180860	51.734	ug/L	97
55) Styrene	10.11	104	324348	52.674	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	189449	49.457	ug/L	99
59) Bromoform	10.29	173	87771	49.794	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	158002	48.368	ug/L	99
61) Isopropylbenzene	10.48	105	480606	49.763	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	408938	51.535	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	411249	51.101	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	230308	48.905	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	236099	47.734	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	229130	48.569	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	47498	51.751	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	157402	51.013	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	136817	51.159	ug/L	99
71) Naphthalene	14.08	128	436140	52.761	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	138453	52.157	ug/L	99

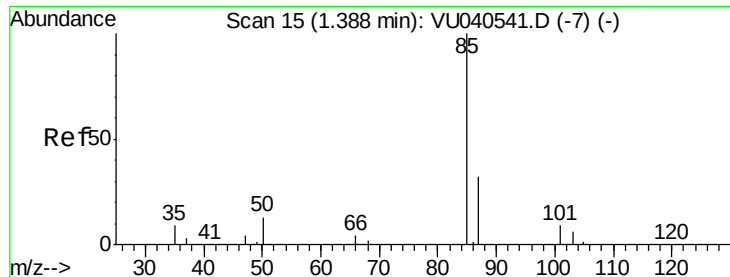
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.396 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

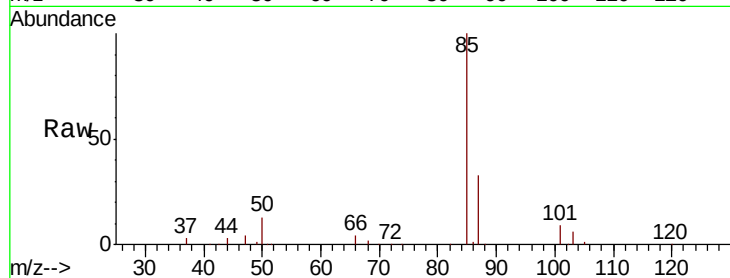
BFB204

Tot Ion: 85 Resp: 133924

Ion Ratio Lower Upper

85 100

87 32.8 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

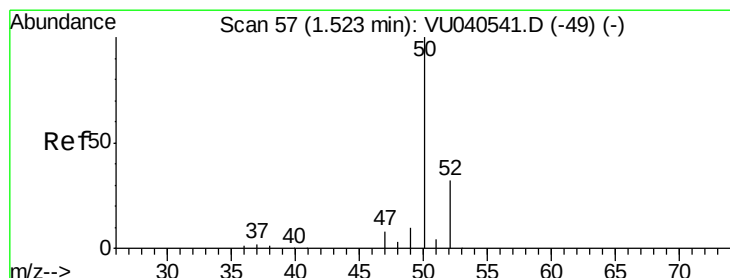
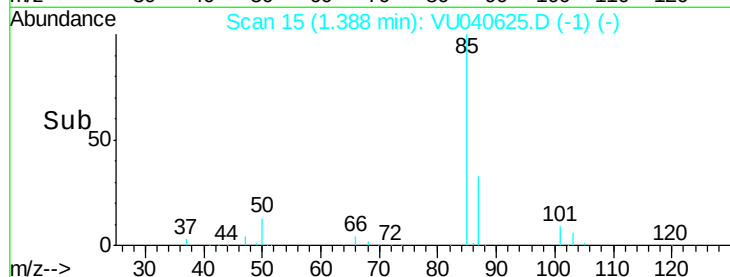
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.678 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040625.D

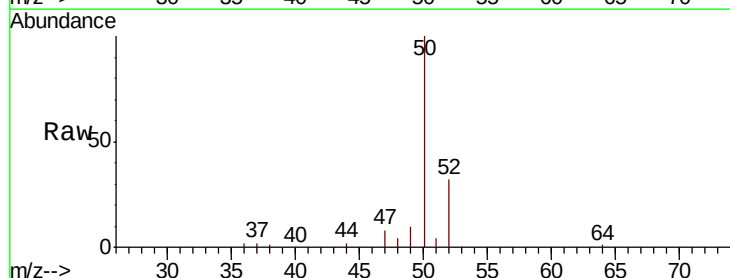
Acq: 10 Oct 2020 10:28

Tgt Ion: 50 Resp: 127293

Ion Ratio Lower Upper

50 100

52 31.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

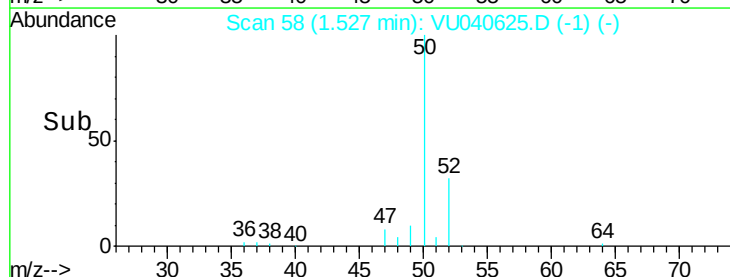
1.53

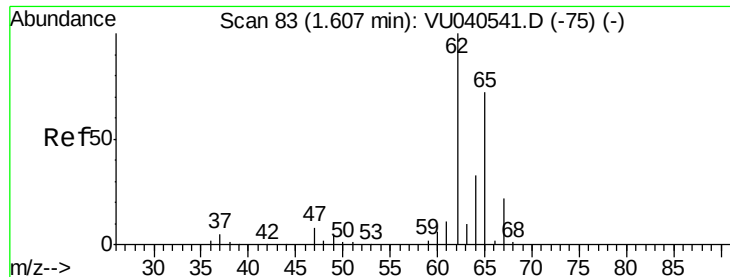
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.889 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleID :

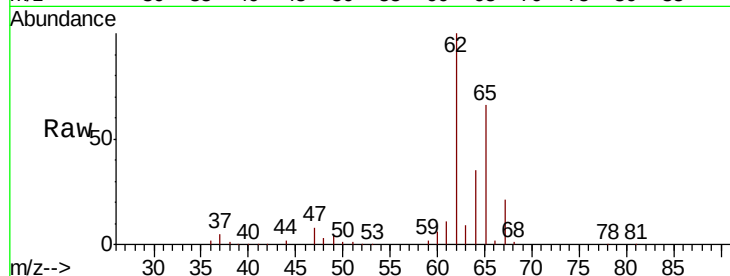
BFB204

Tot Ion: 62 Resp: 135090

Ion Ratio Lower Upper

62 100

64 34.6 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.61

150000

100000

50000

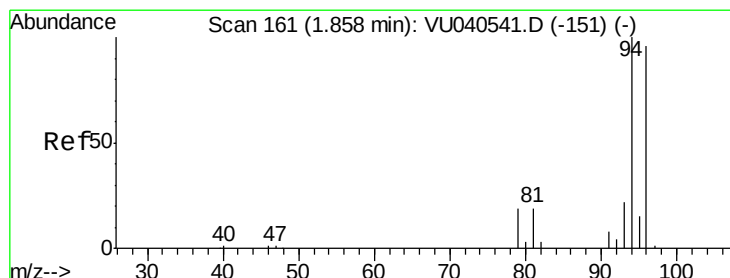
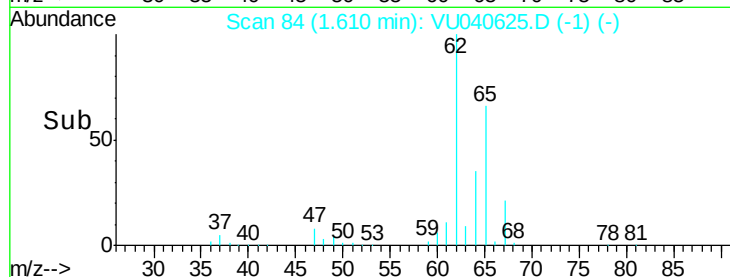
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Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 42.321 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040625.D

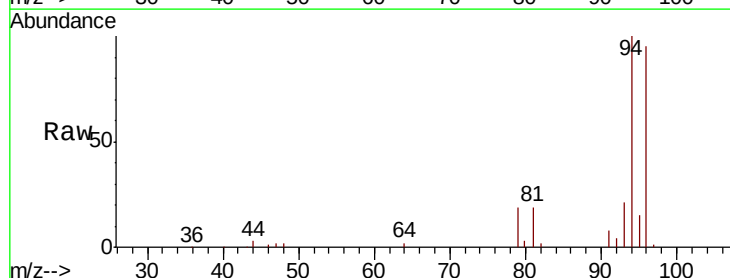
Acq: 10 Oct 2020 10:28

Tgt Ion: 94 Resp: 62660

Ion Ratio Lower Upper

94 100

96 94.9 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

50000

40000

30000

20000

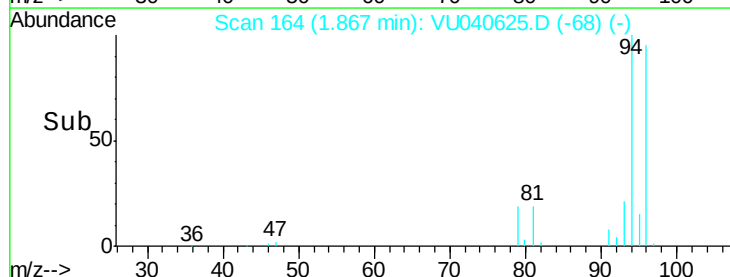
10000

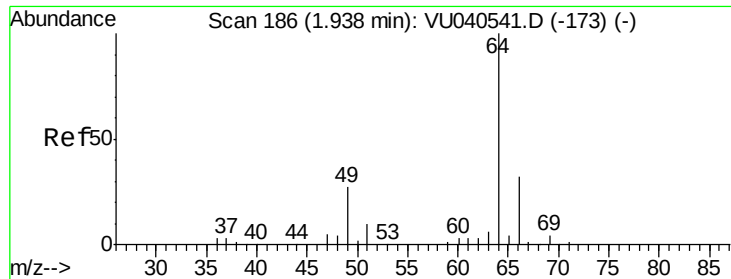
0

Time-->

1.85

1.90





#8

Chloroethane

Concen: 47.078 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampled :

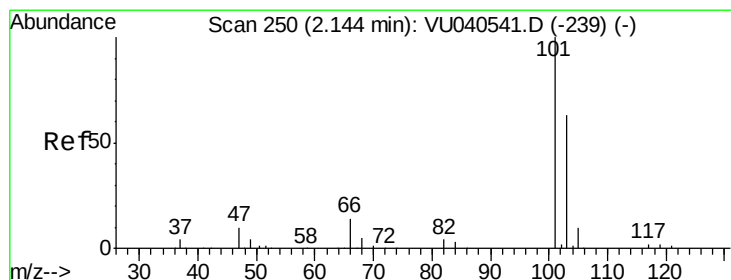
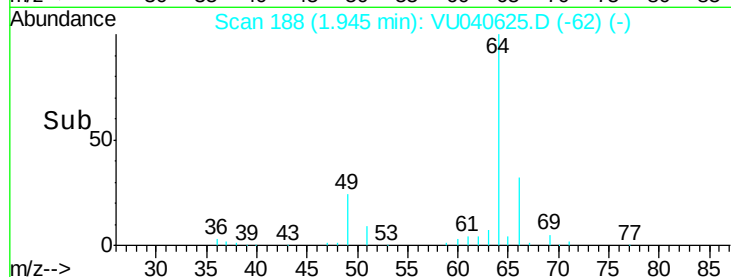
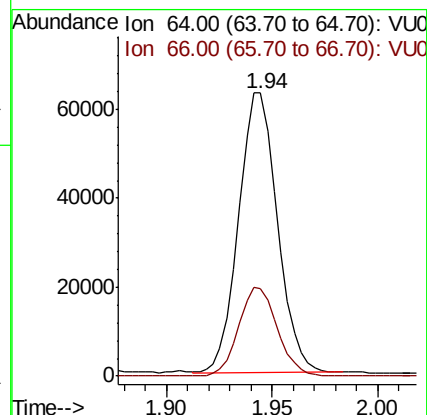
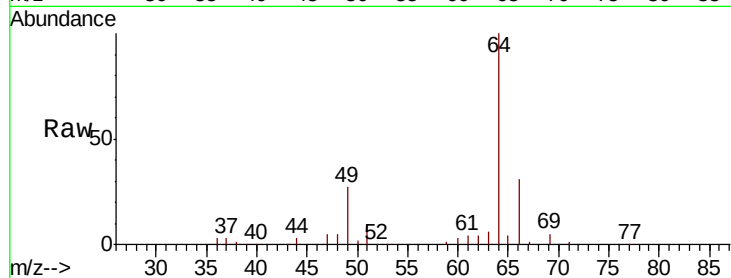
BFB204

Tot Ion: 64 Resp: 80127

Ion Ratio Lower Upper

64 100

66 31.0 22.5 41.9



#9

Trichlorofluoromethane

Concen: 49.841 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040625.D

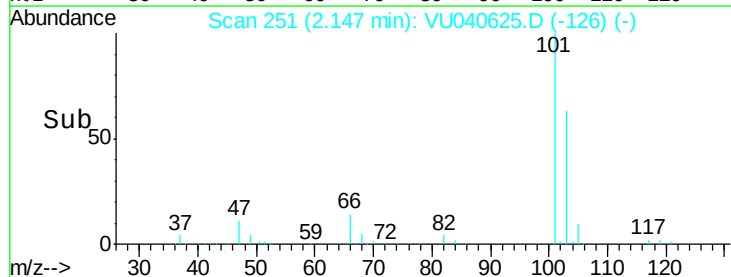
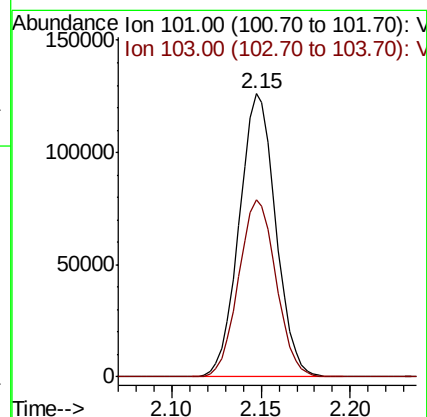
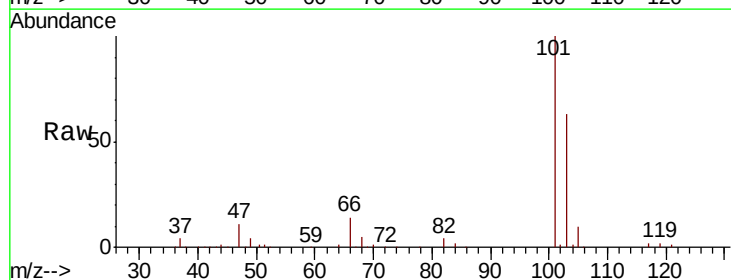
Acq: 10 Oct 2020 10:28

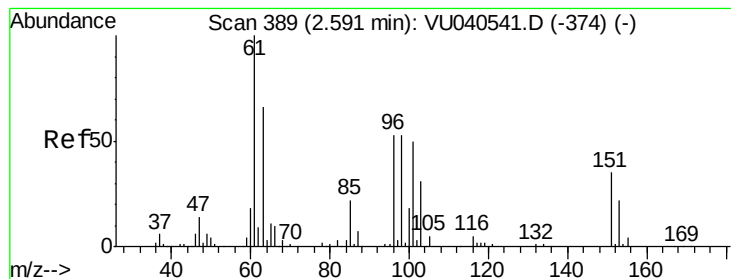
Tgt Ion: 101 Resp: 180347

Ion Ratio Lower Upper

101 100

103 64.2 52.1 78.1





#10

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

Concen: 50.877 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040625.D

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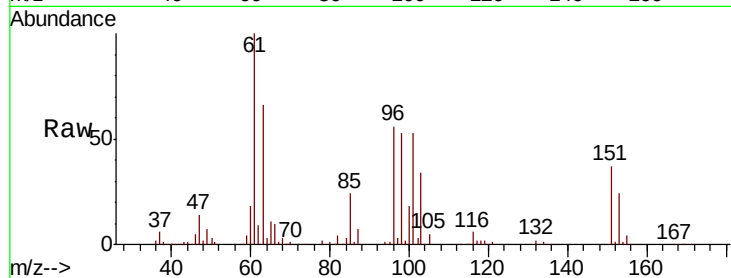
Tot Ion:101 Resp: 109739

Ion Ratio Lower Upper

101 100

85 44.4 35.4 53.2

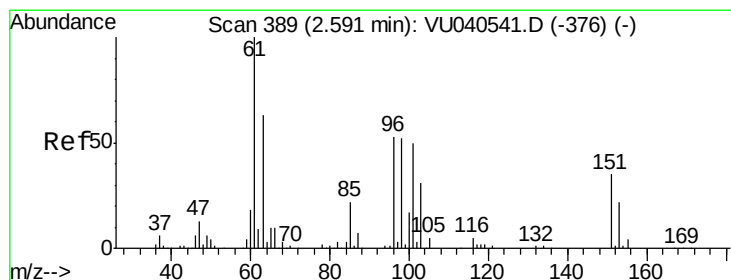
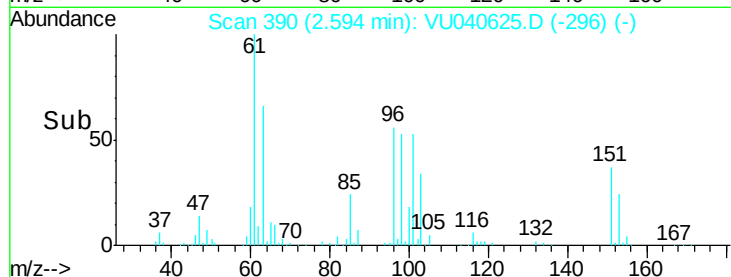
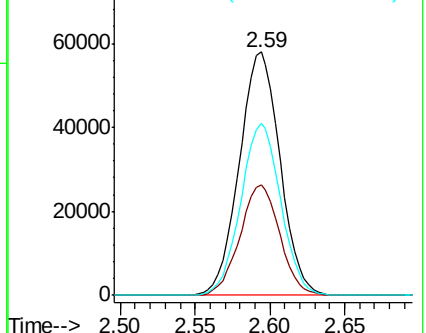
151 69.6 54.8 82.2



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: 50.132 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

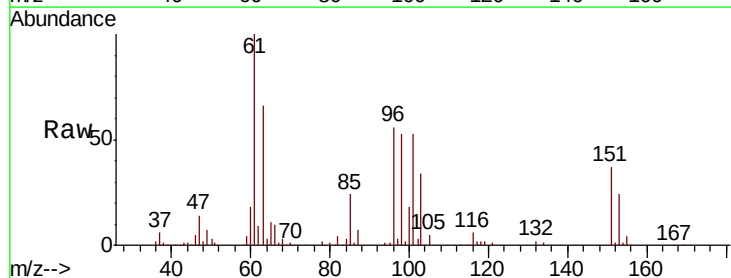
Tgt Ion: 96 Resp: 99977

Ion Ratio Lower Upper

96 100

61 177.8 135.0 250.8

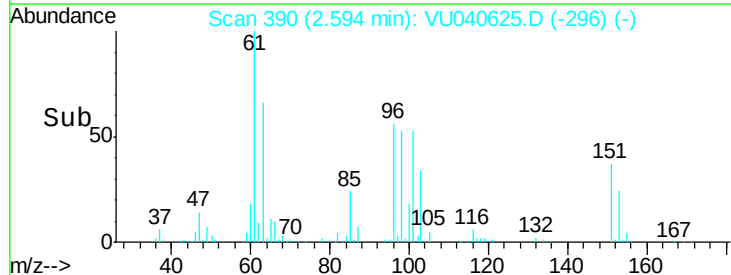
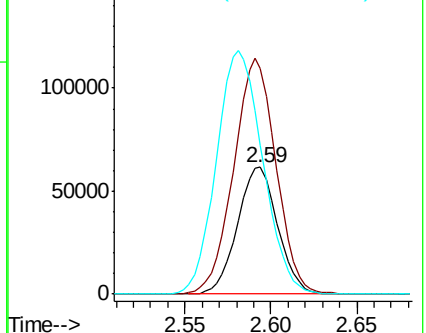
63 117.1 101.4 188.2

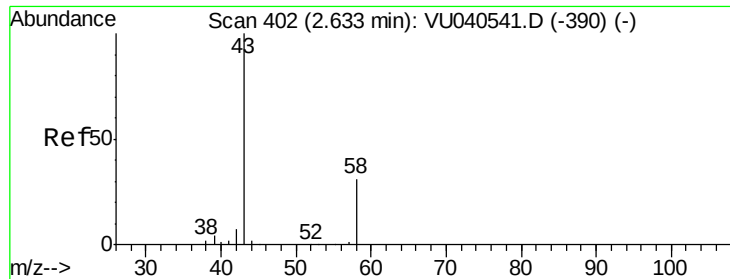


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 122.895 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.02 min

Lab File: VU040625.D

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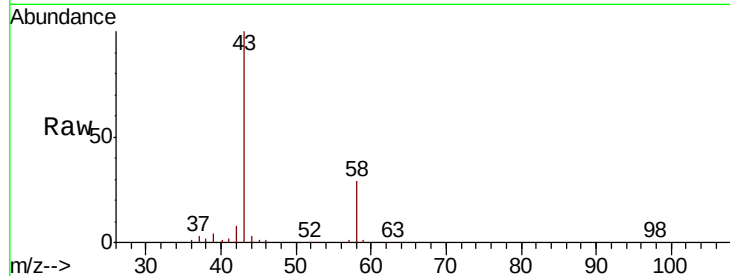
BFB204

Tot Ion: 43 Resp: 226492

Ion Ratio Lower Upper

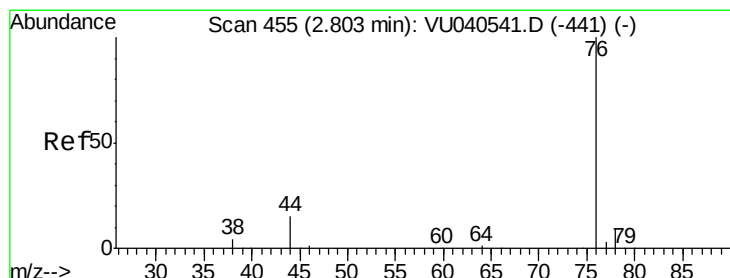
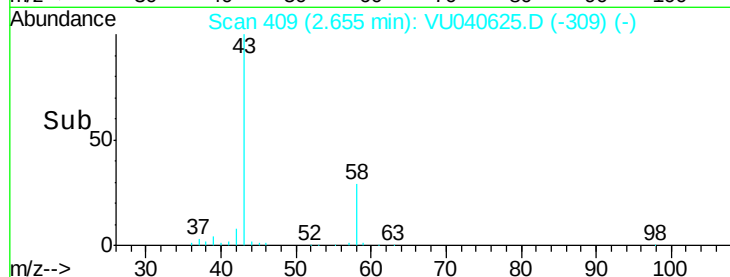
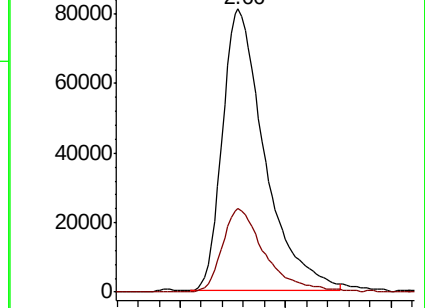
43 100

58 30.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU040625.D (-390) (-)

Ion 58.00 (57.70 to 58.70): VU040625.D (-390) (-)



#14

Carbon disulfide

Concen: 47.724 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040625.D

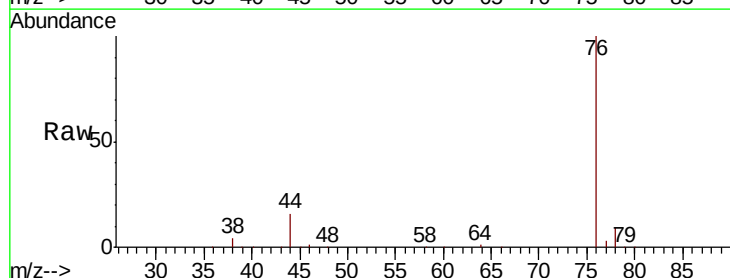
Acq: 10 Oct 2020 10:28

Tgt Ion: 76 Resp: 326734

Ion Ratio Lower Upper

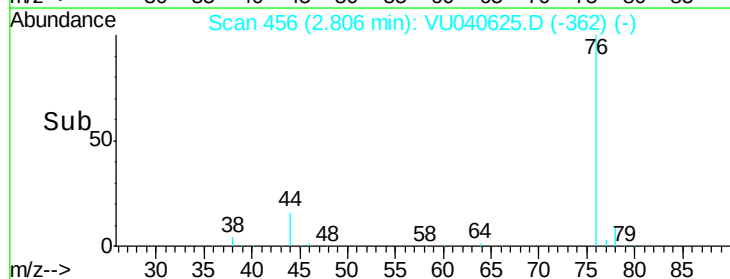
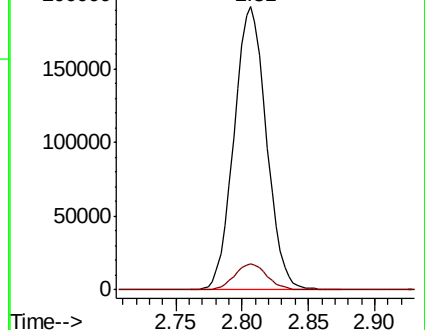
76 100

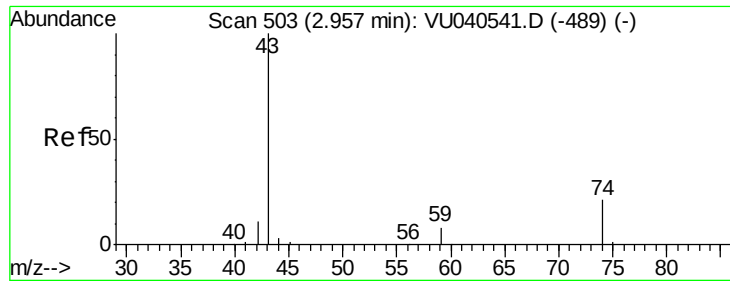
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU040625.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU040625.D (-362) (-)

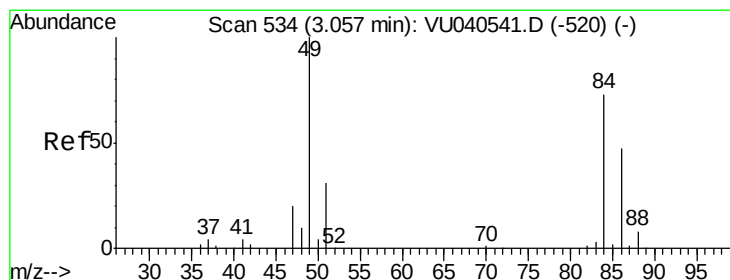
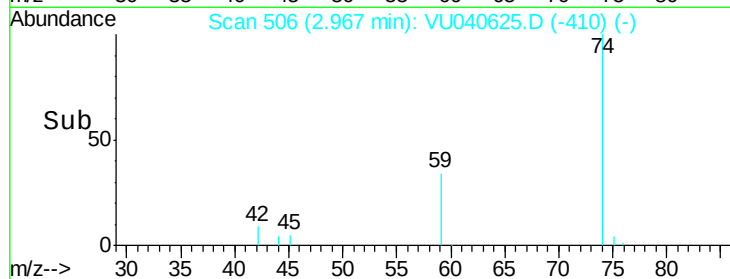
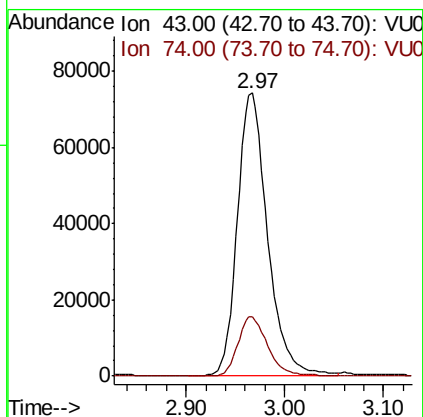
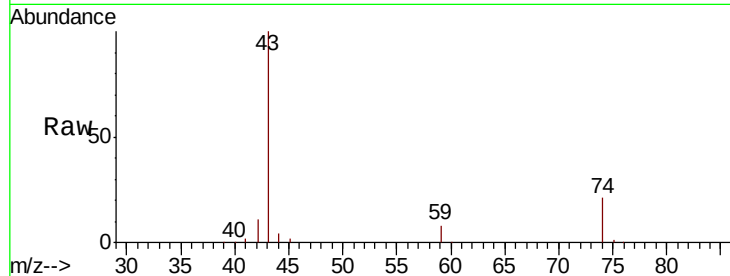




#15
Methvl Acetate
Concen: 52.103 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.01 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

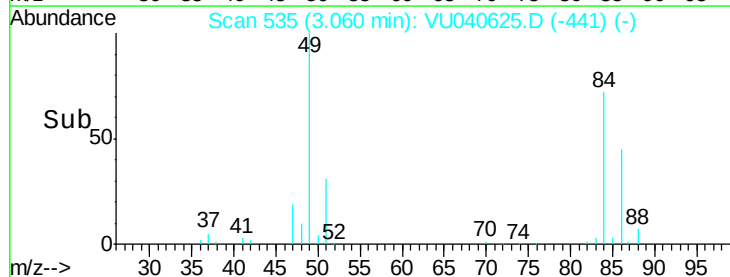
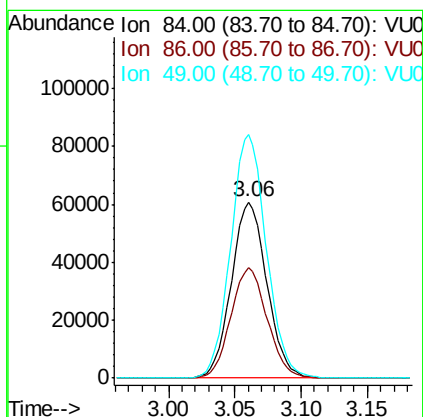
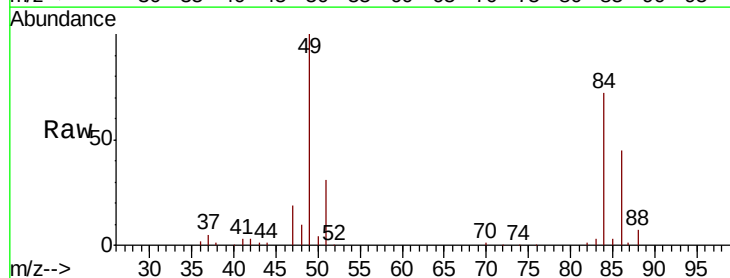
Instrument :
MSVOA_U
ClientSampleId :
BFB204

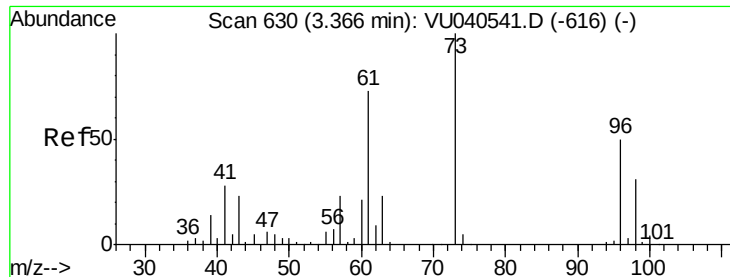
Tot Ion: 43 Resp: 156628
Ion Ratio Lower Upper
43 100
74 20.7 16.4 24.6



#16
Methylene chloride
Concen: 47.868 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

Tgt Ion: 84 Resp: 113210
Ion Ratio Lower Upper
84 100
86 62.6 45.4 84.4
49 138.5 102.9 191.1





#17

trans-1,2-Dichloroethene

Concen: 49.145 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB204

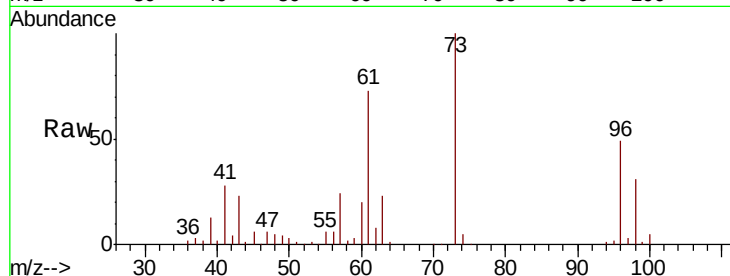
Tot Ion: 96 Resp: 104386

Ion Ratio Lower Upper

96 100

61 149.3 109.6 203.6

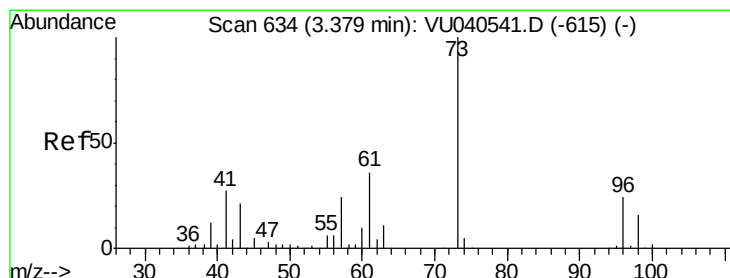
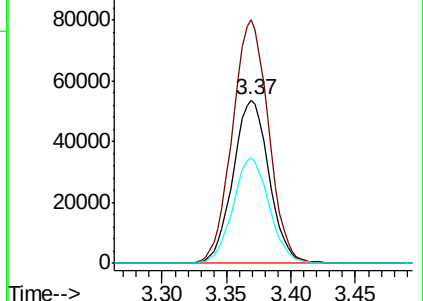
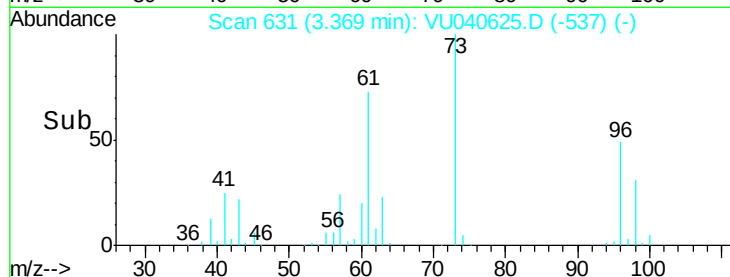
98 64.6 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040625.D (-537) (-)

Ion 61.00 (60.70 to 61.70): VU040625.D (-537) (-)

Ion 98.00 (97.70 to 98.70): VU040625.D (-537) (-)



#18

Methyl tert-butyl Ether

Concen: 49.290 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

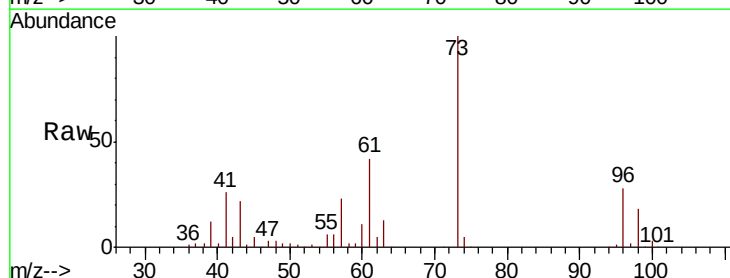
Tgt Ion: 73 Resp: 329288

Ion Ratio Lower Upper

73 100

43 22.8 18.2 27.2

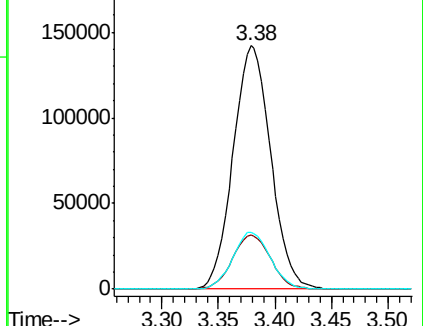
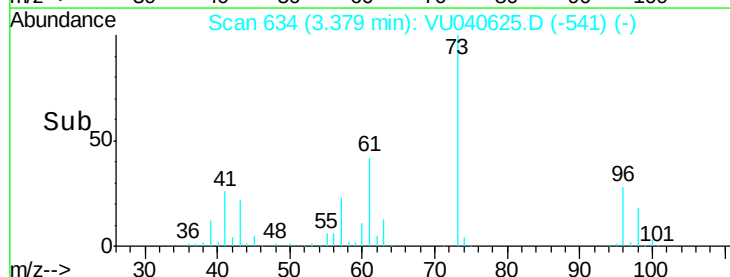
57 23.4 18.5 27.7

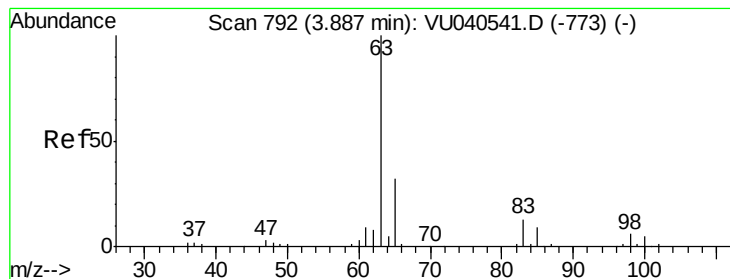


Abundance Ion 73.00 (72.70 to 73.70): VU040625.D (-541) (-)

Ion 43.00 (42.70 to 43.70): VU040625.D (-541) (-)

Ion 57.00 (56.70 to 57.70): VU040625.D (-541) (-)





#19

1,1-Dichloroethane

Concen: 49.167 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB204

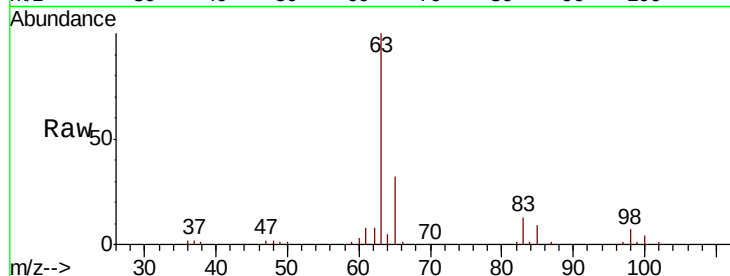
Tot Ion: 63 Resp: 208286

Ion Ratio Lower Upper

63 100

65 31.9 22.6 42.0

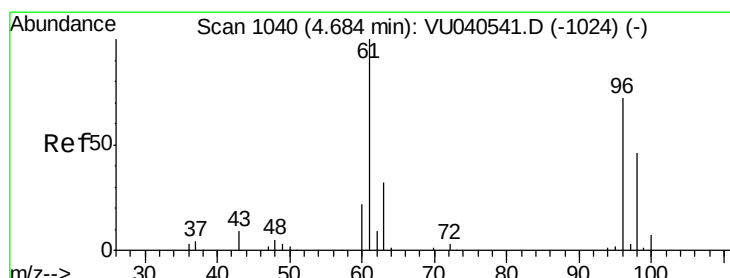
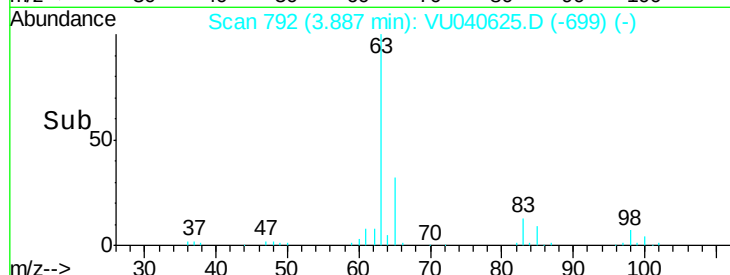
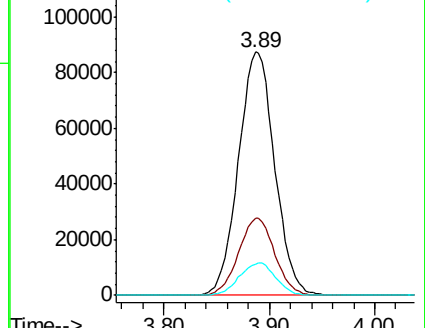
83 13.0 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU040625.D (-699) (-)

Ion 65.00 (64.70 to 65.70): VU040625.D (-699) (-)

Ion 83.00 (82.70 to 83.70): VU040625.D (-699) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.752 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

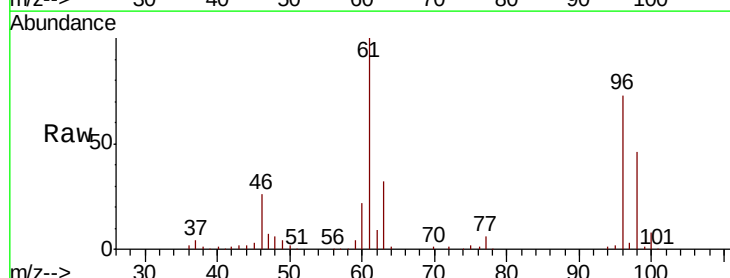
Tgt Ion: 96 Resp: 111600

Ion Ratio Lower Upper

96 100

61 137.6 95.7 177.7

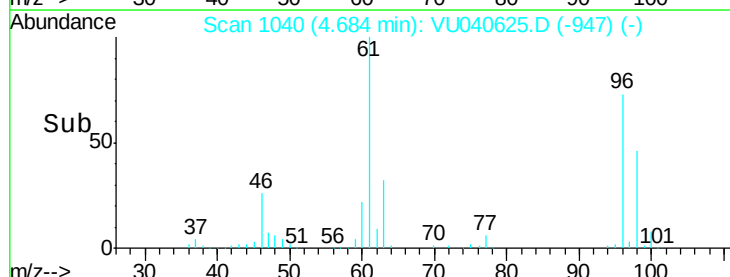
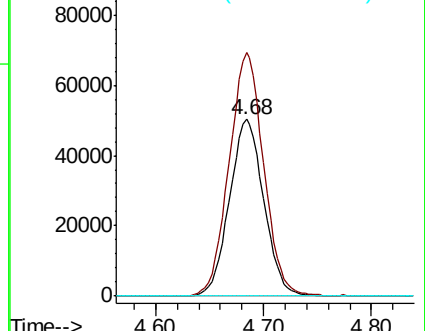
68 0.0 0.0 0.0

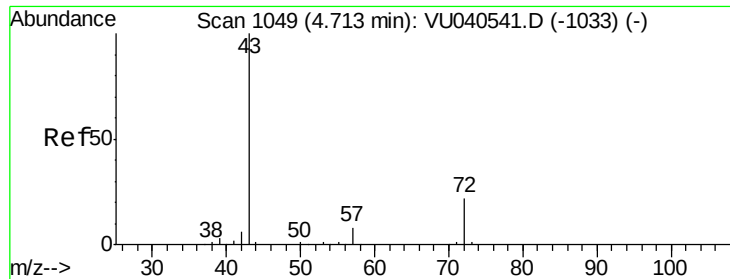


Abundance Ion 96.00 (95.70 to 96.70): VU040625.D (-947) (-)

Ion 61.00 (60.70 to 61.70): VU040625.D (-947) (-)

Ion 68.00 (67.70 to 68.70): VU040625.D (-947) (-)





#22

2-Butanone

Concen: 112.973 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.02 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampled :

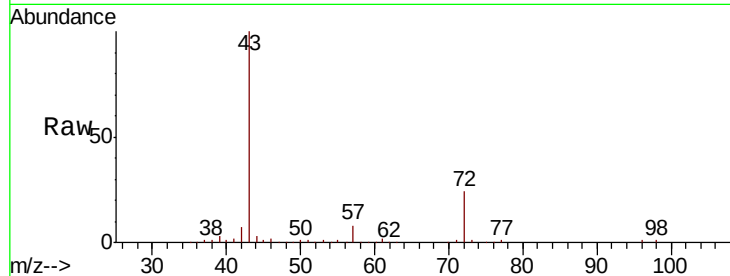
BFB204

Tot Ion: 43 Resp: 265596

Ion Ratio Lower Upper

43 100

72 24.2 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040625.D (-956) (-)

Ion 72.00 (71.70 to 72.70): VU040625.D (-956) (-)

4.73

100000

80000

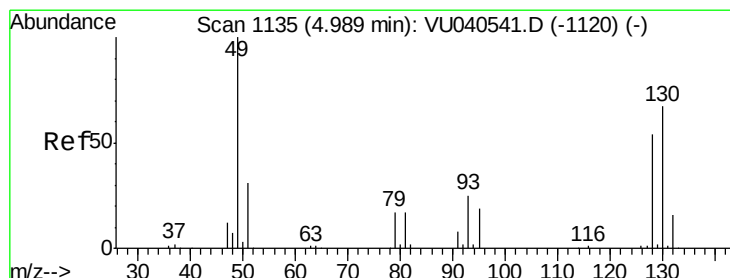
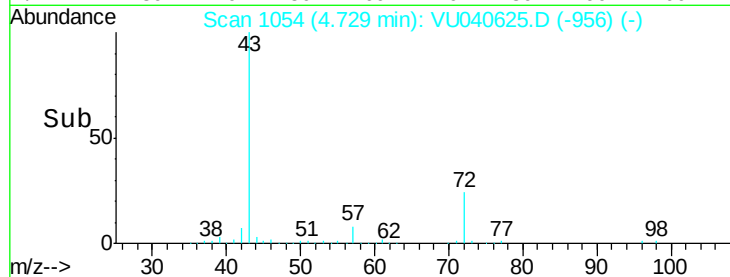
60000

40000

20000

0

Time--> 4.60 4.70 4.80 4.90



#23

Bromochloromethane

Concen: 49.082 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Tgt Ion:128 Resp: 58550

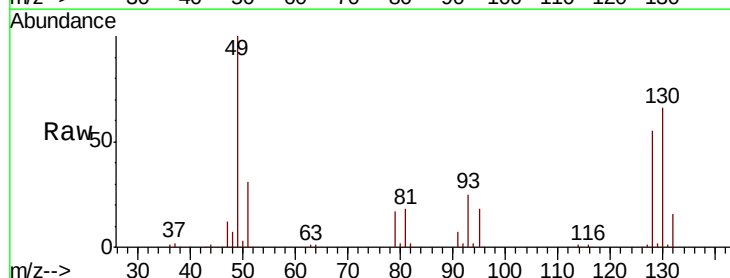
Ion Ratio Lower Upper

128 100

49 183.4 133.1 247.3

130 121.9 90.5 168.1

51 56.5 48.4 72.6



Abundance Ion 128.00 (127.70 to 128.70): VU040625.D (-1042) (-)

Ion 49.00 (48.70 to 49.70): VU040625.D (-1042) (-)

Ion 130.00 (129.70 to 130.70): VU040625.D (-1042) (-)

Ion 51.00 (50.70 to 51.70): VU040625.D (-1042) (-)

80000

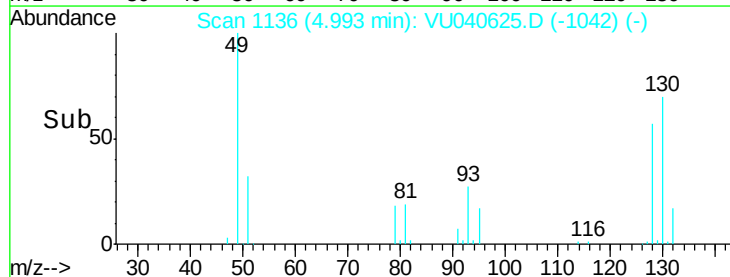
60000

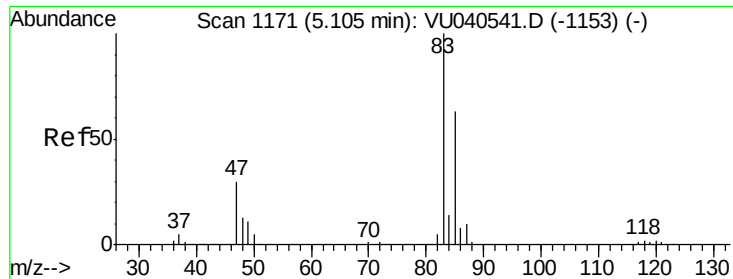
40000

20000

0

Time--> 4.90 4.95 5.00 5.05 5.10

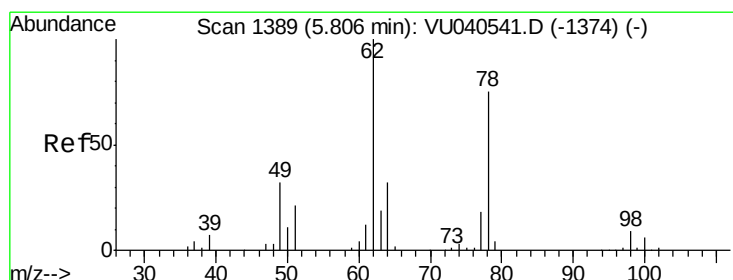
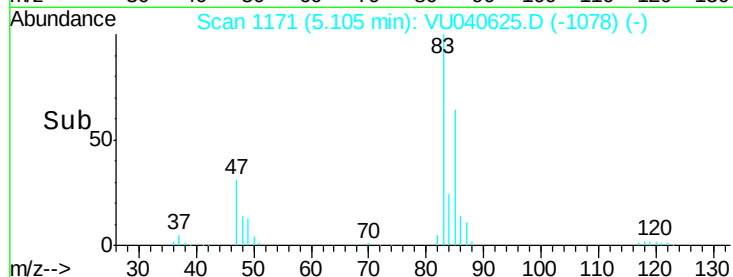
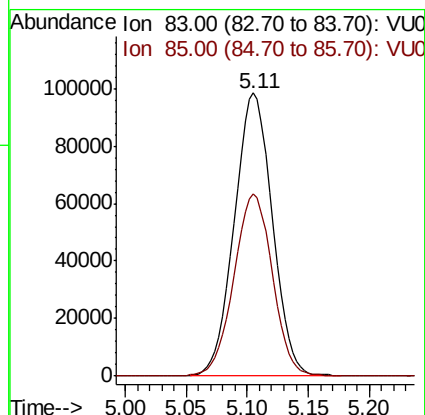
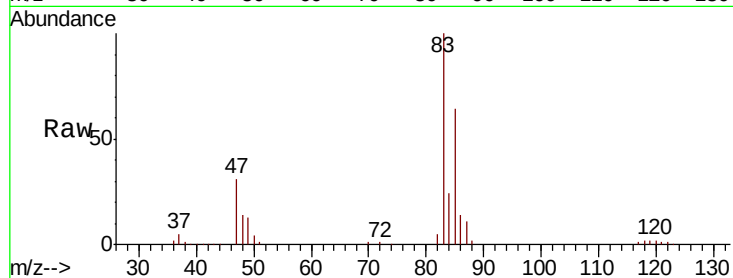




#25
Chloroform
Concen: 49.360 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

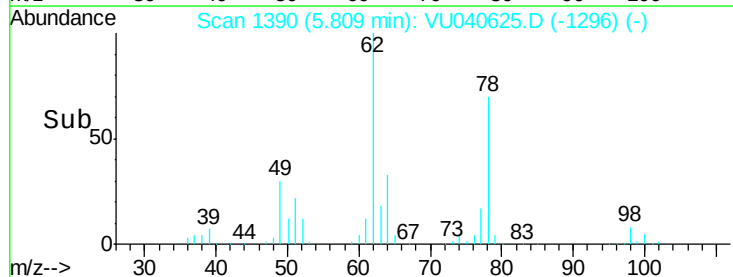
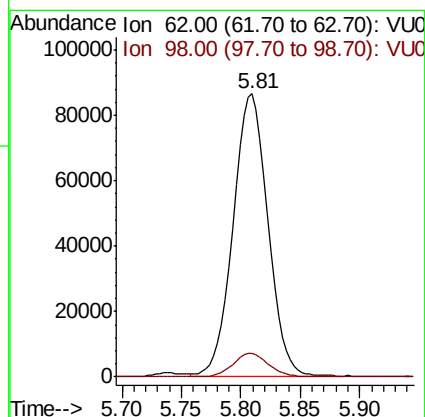
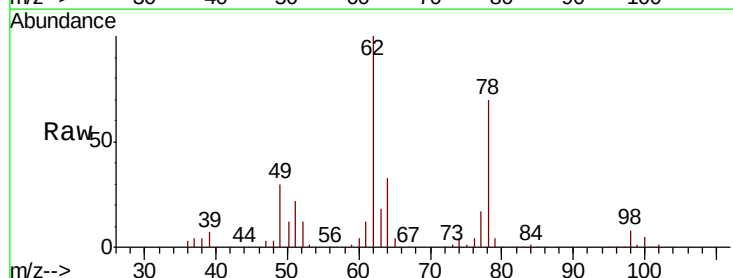
Instrument :
MSVOA_U
ClientSampled :
BFB204

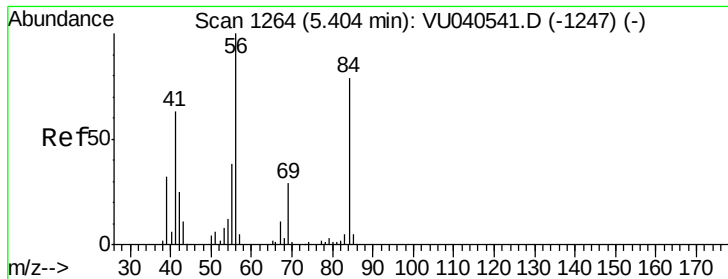
Tot Ion: 83 Resp: 213220
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 49.041 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

Tgt Ion: 62 Resp: 174826
Ion Ratio Lower Upper
62 100
98 8.3 7.1 10.7

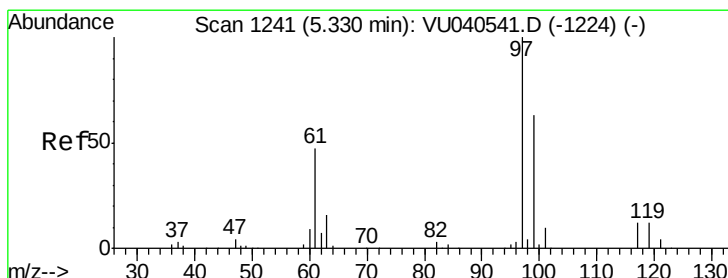
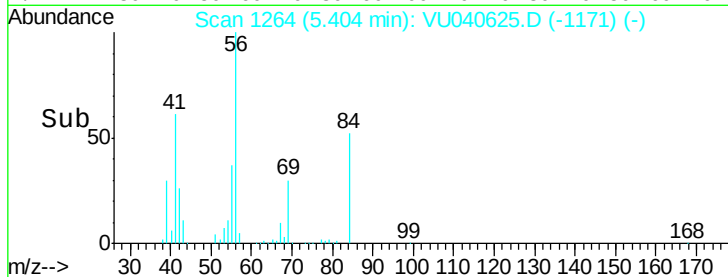
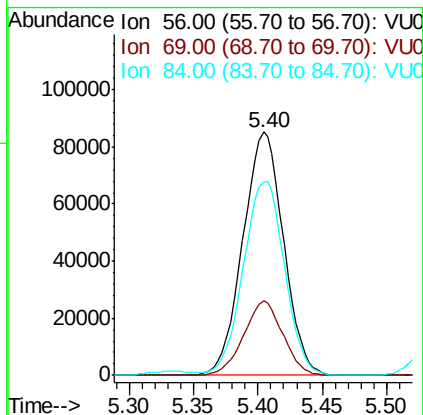
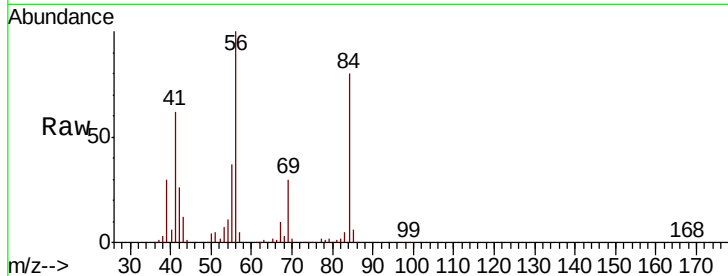




#29
Cyclohexane
Concen: 51.353 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

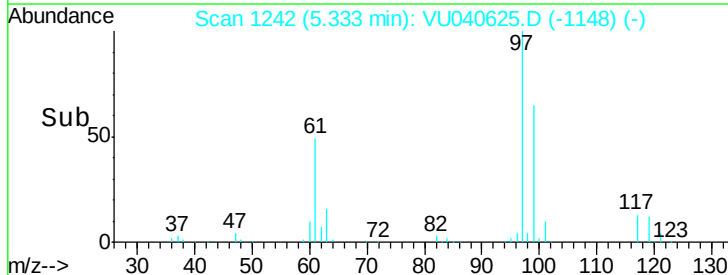
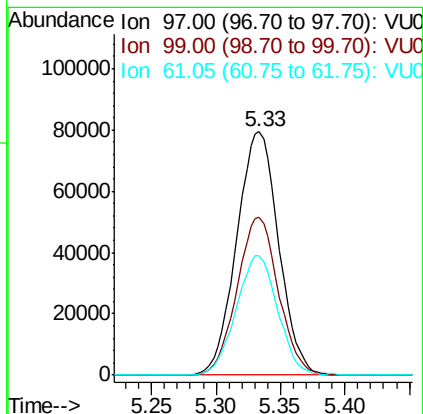
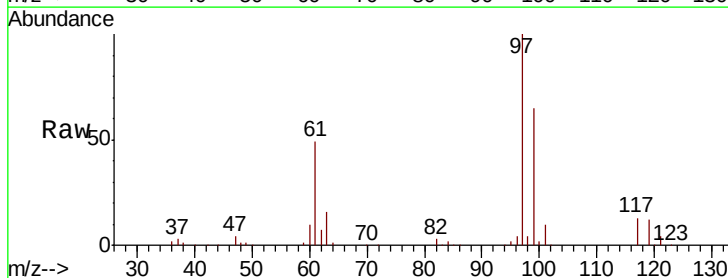
Instrument :
MSVOA_U
ClientSampled :
BFB204

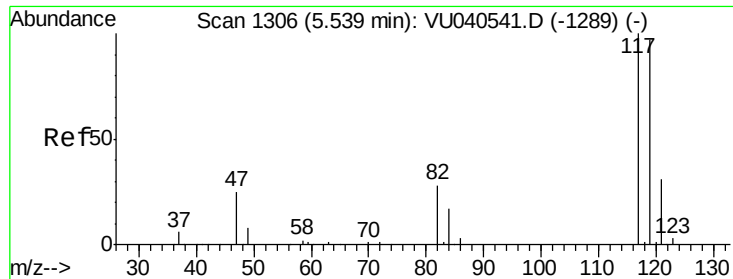
Tot Ion: 56 Resp: 187320
Ion Ratio Lower Upper
56 100
69 29.4 22.6 34.0
84 80.9 63.1 94.7



#30
1,1,1-Trichloroethane
Concen: 51.383 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

Tgt Ion: 97 Resp: 179782
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 48.5 39.4 59.2





#31

Carbon tetrachloride

Concen: 52.114 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

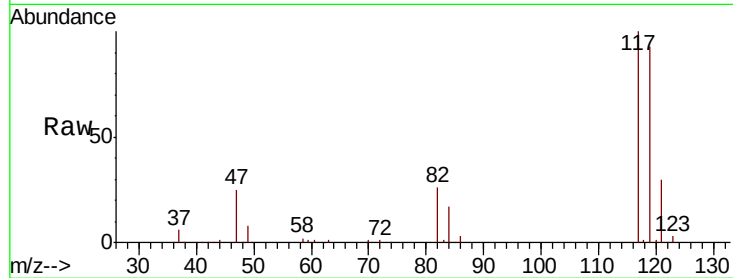
BFB204

Tot Ion:117 Resp: 157671

Ion Ratio Lower Upper

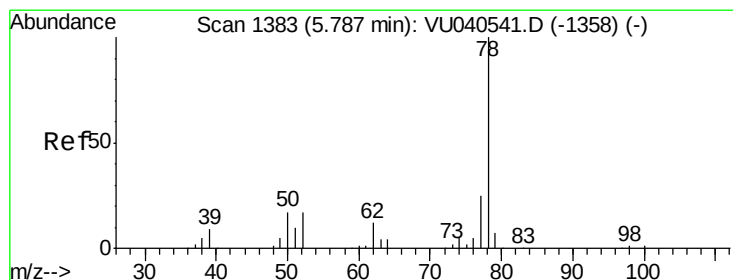
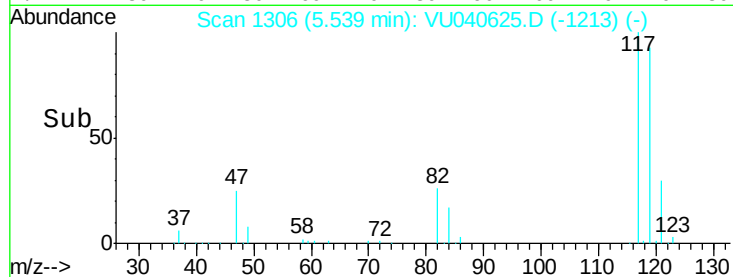
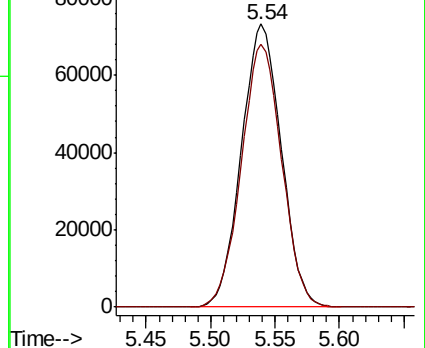
117 100

119 94.0 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.241 ug/L

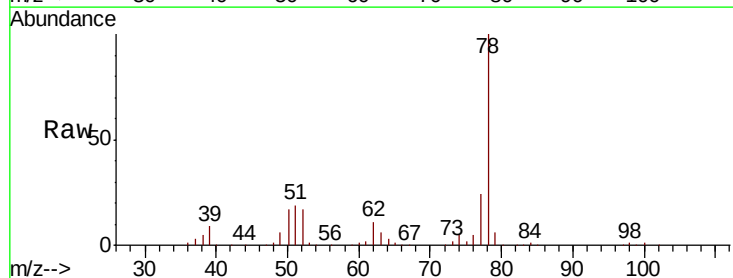
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

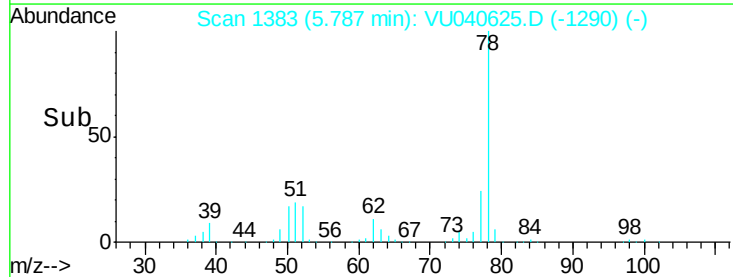
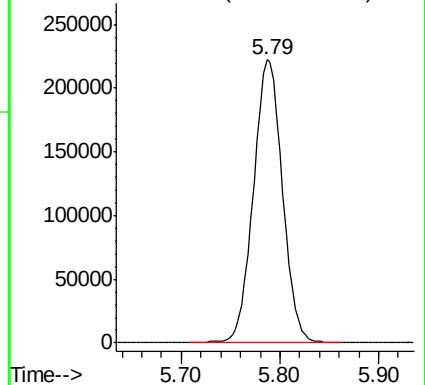
Lab File: VU040625.D

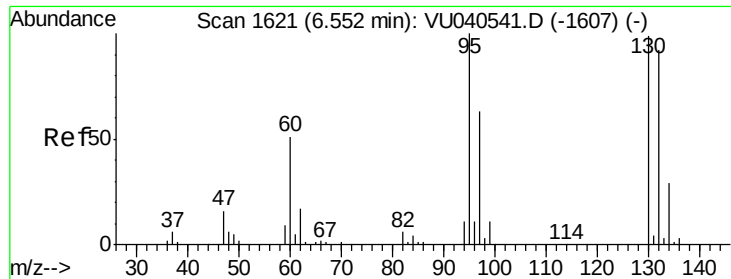
Acq: 10 Oct 2020 10:28

Tgt Ion: 78 Resp: 451201



Abundance Ion 78.00 (77.70 to 78.70): VU0

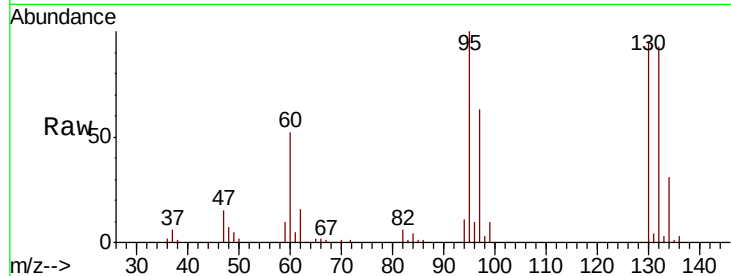




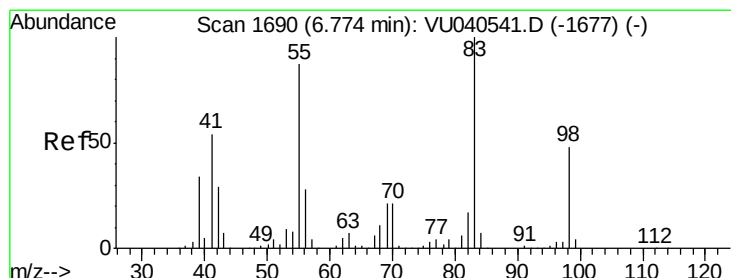
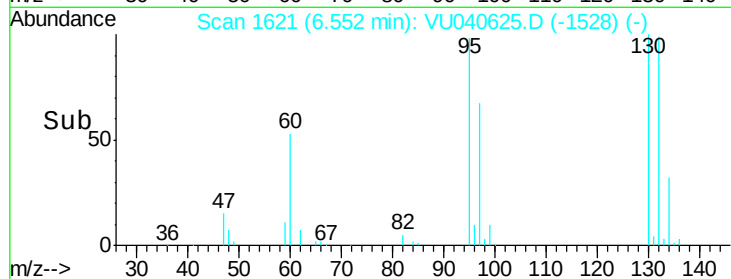
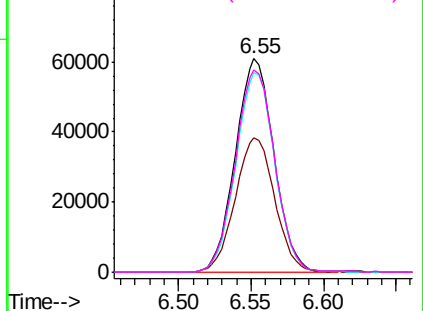
#34
 Trichloroethene
 Concen: 49.856 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB204

Tot Ion: 95 Resp: 113092
 Ion Ratio Lower Upper
 95 100
 97 63.0 44.3 82.3
 132 93.4 64.2 119.2
 130 94.7 67.3 125.1

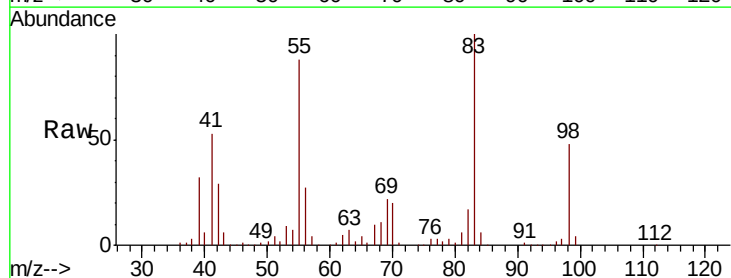


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

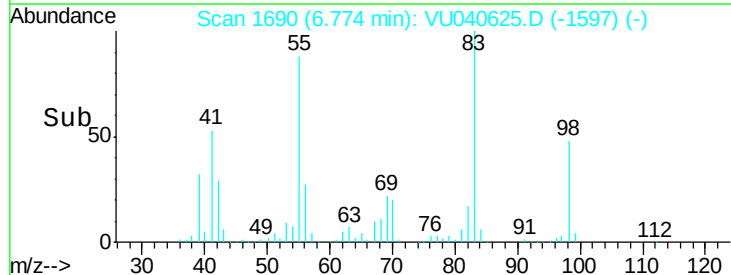
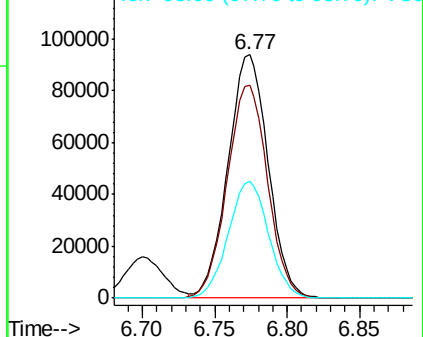


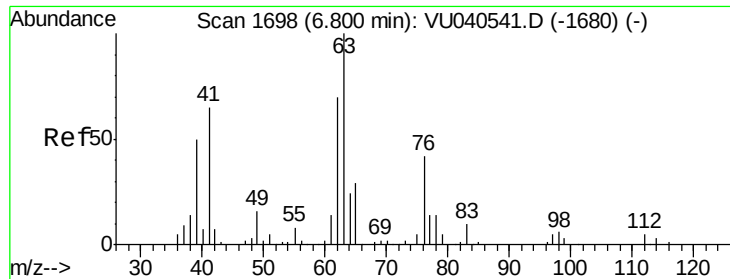
#35
 Methylcyclohexane
 Concen: 52.433 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Tgt Ion: 83 Resp: 180828
 Ion Ratio Lower Upper
 83 100
 55 88.1 69.8 104.8
 98 48.2 39.1 58.7



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

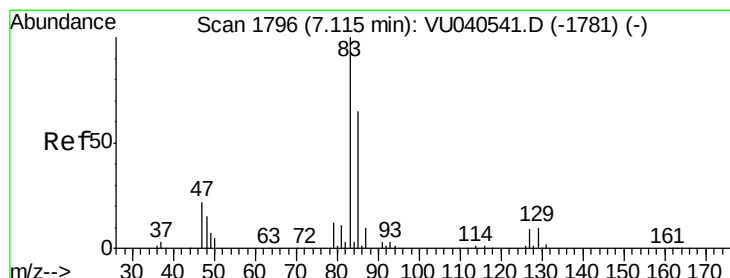
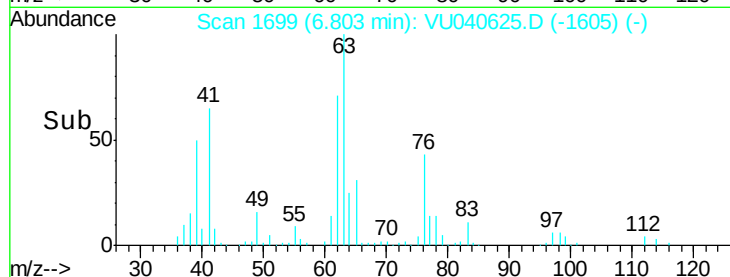
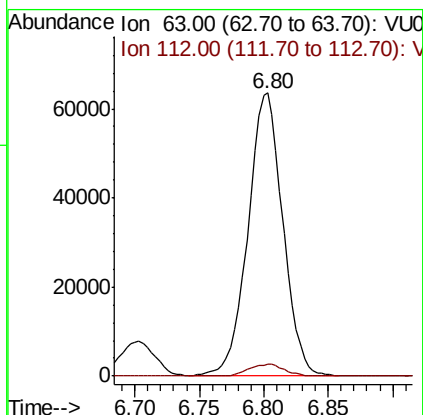
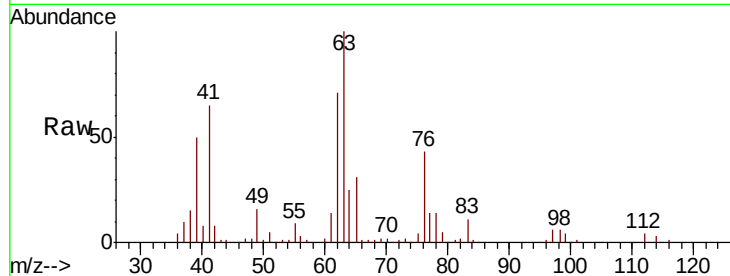




#37
 1,2-Dichloropropane
 Concen: 49.282 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

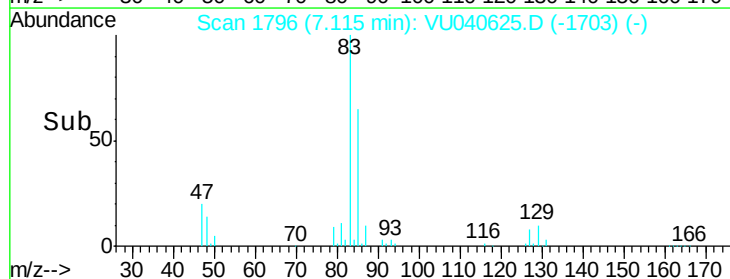
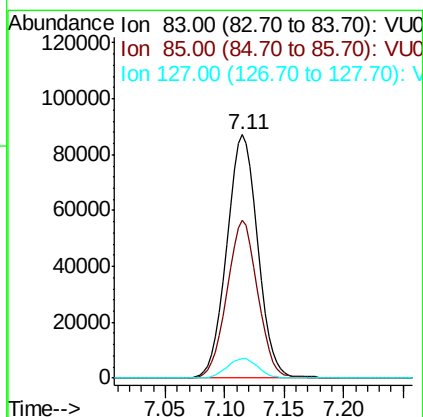
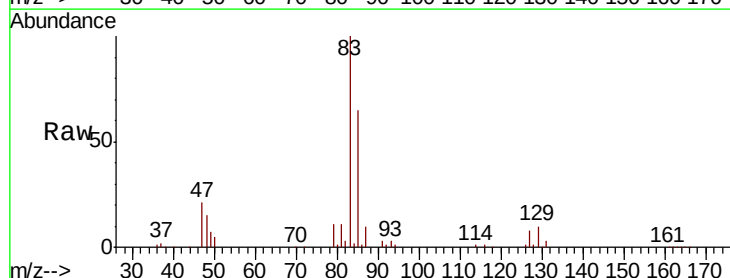
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB204

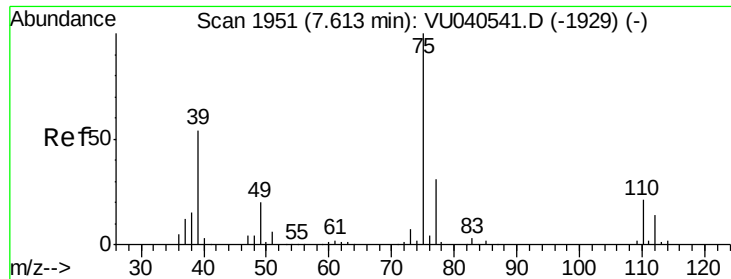
Tot Ion: 63 Resp: 119167
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.151 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Tgt Ion: 83 Resp: 157518
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.2 84.0
 127 8.1 6.7 10.1

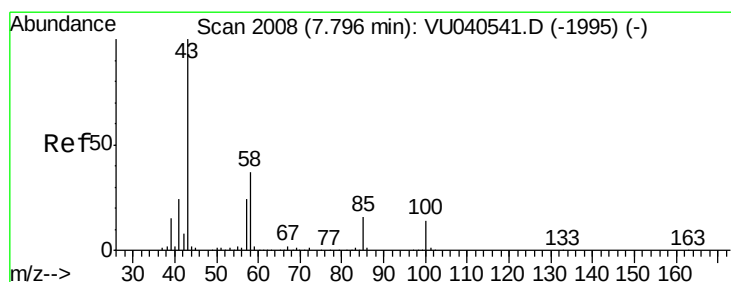
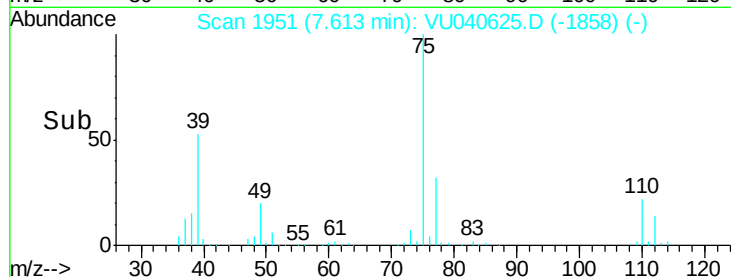
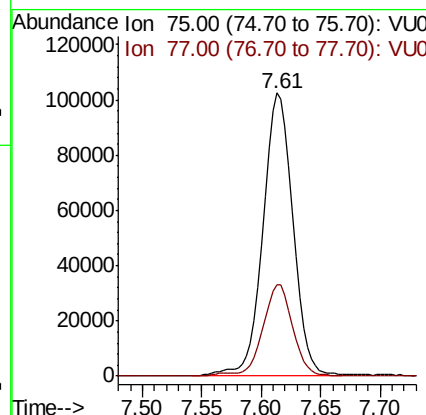
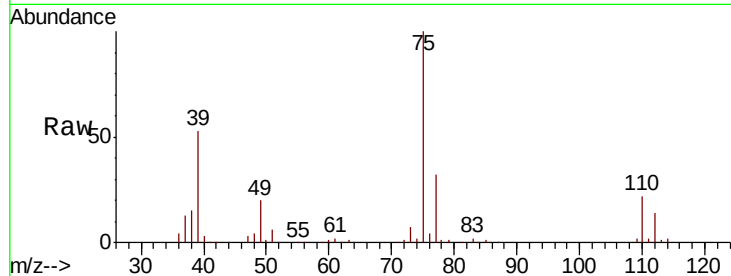




#39
 cis-1,3-Dichloropropene
 Concen: 50.752 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

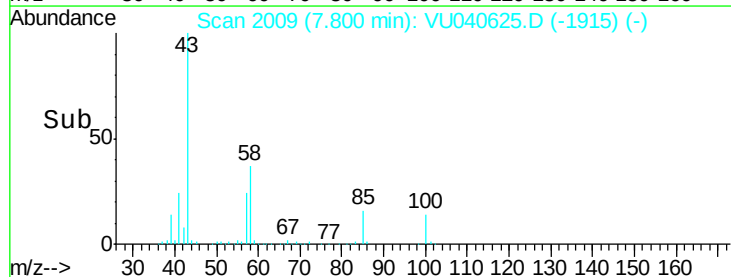
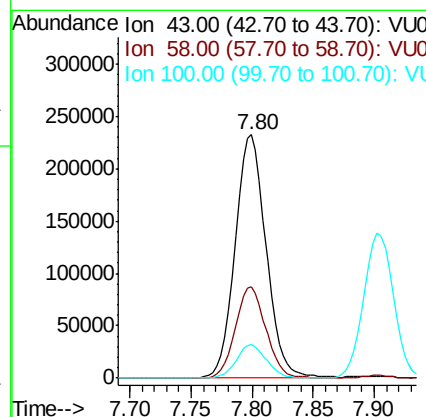
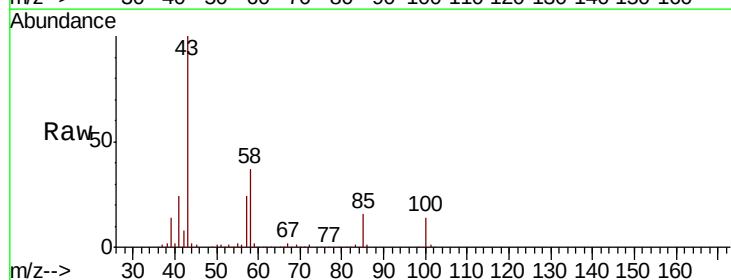
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB204

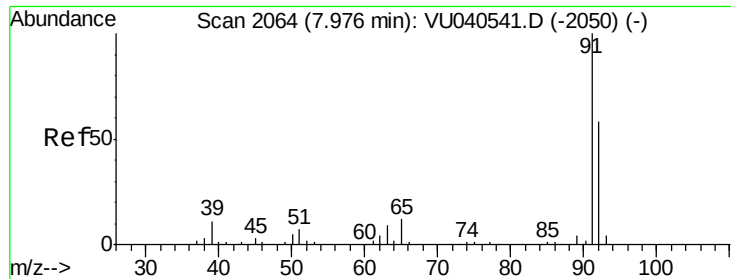
Tot Ion: 75 Resp: 179858
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 107.833 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Tgt Ion: 43 Resp: 411431
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.7 44.5
 100 13.4 10.5 15.7





#42

Toluene

Concen: 52.333 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

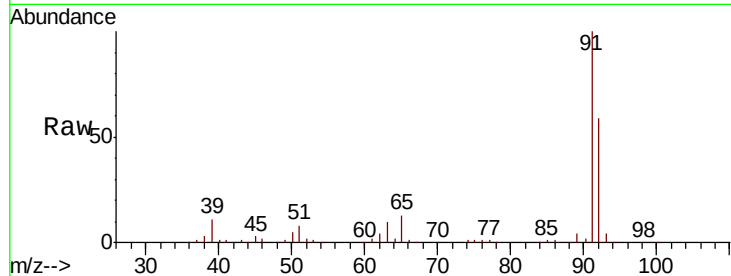
BFB204

Tot Ion: 91 Resp: 470472

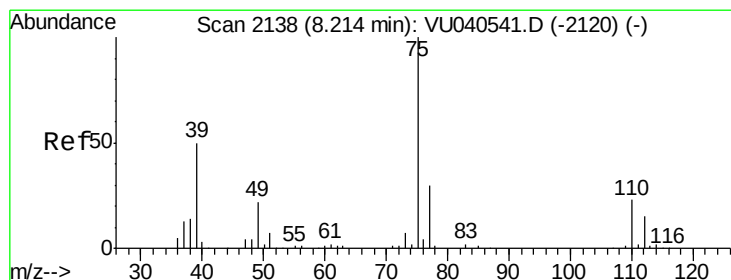
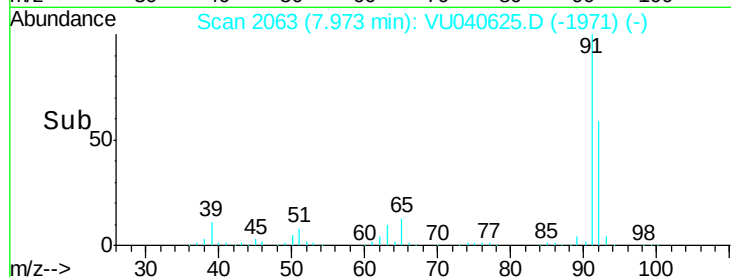
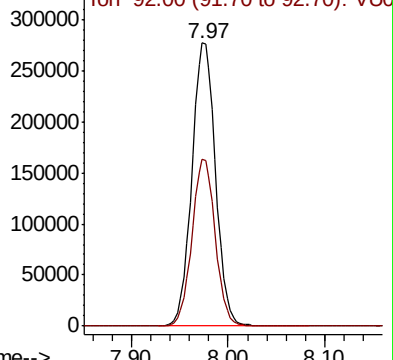
Ion Ratio Lower Upper

91 100

92 59.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU040625.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.543 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040625.D

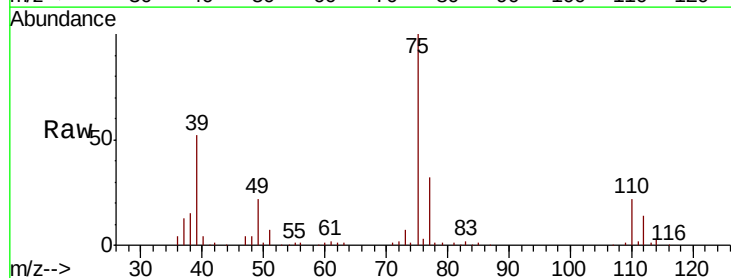
Acq: 10 Oct 2020 10:28

Tgt Ion: 75 Resp: 180342

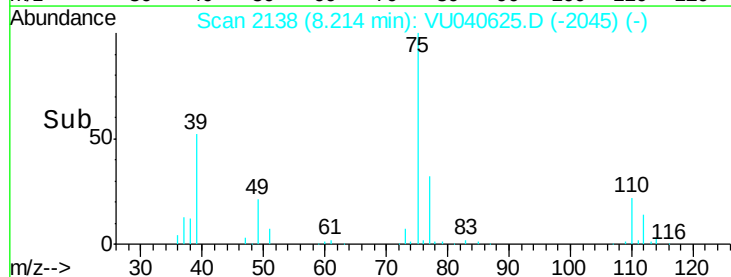
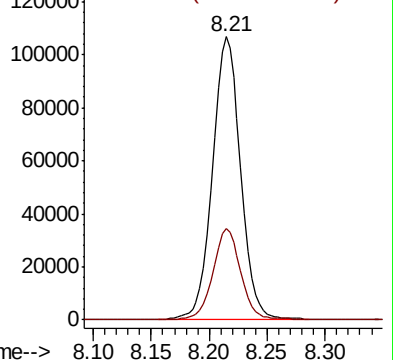
Ion Ratio Lower Upper

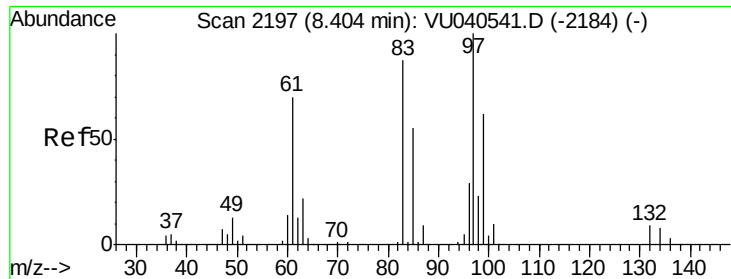
75 100

77 32.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU040625.D (-2045) (-)

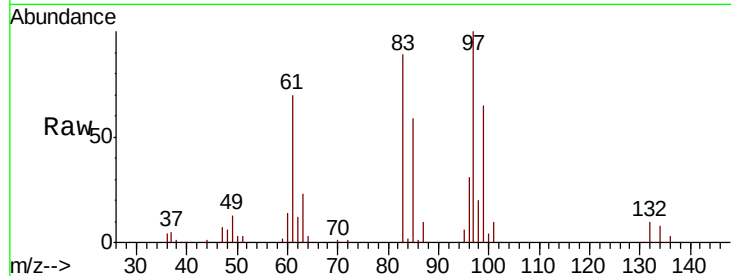




#45
 1,1,2-Trichloroethane
 Concen: 49.562 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

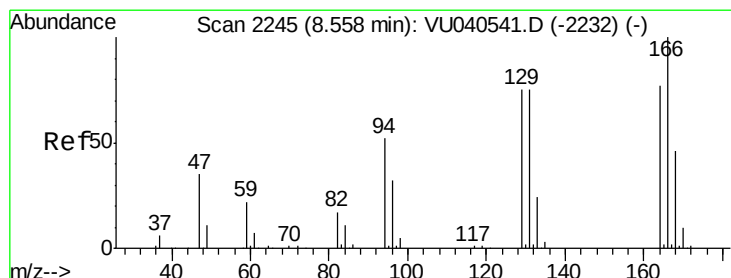
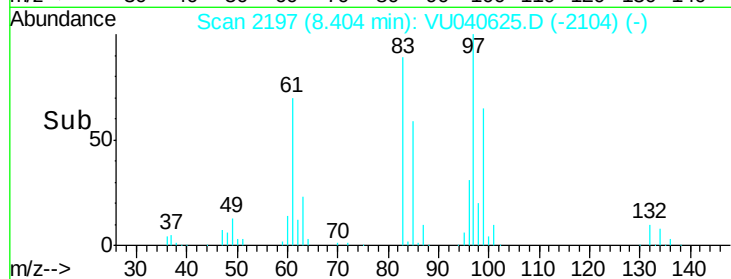
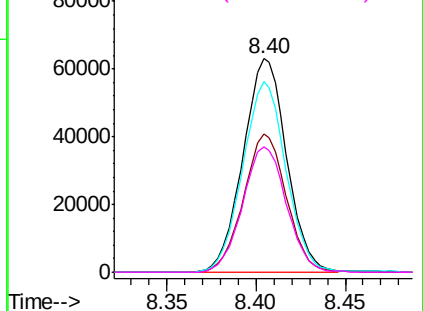
Instrument :
 MSVOA_U
 ClientSampleID :
 BFB204

Tot Ion:	97	Resp:	107357
Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.7	79.3
83	89.0	61.0	113.4
85	58.6	39.8	73.8



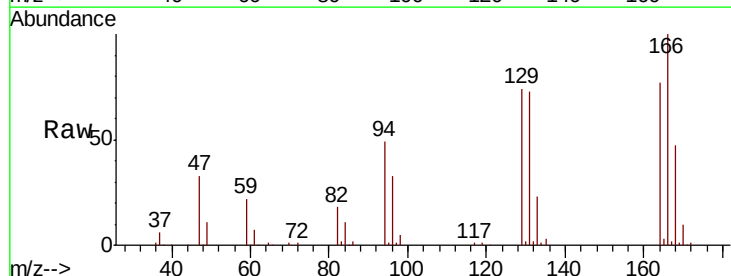
Abundance

Ion 97.00 (96.70 to 97.70): VU040625.D (-2104) (-)



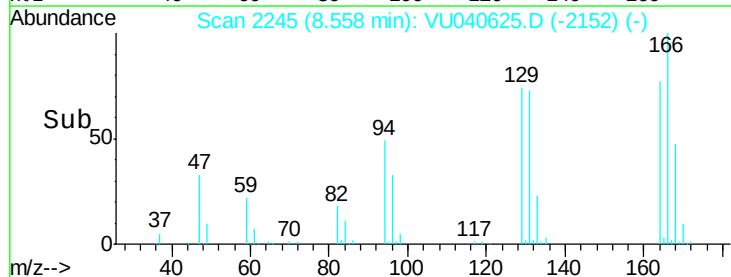
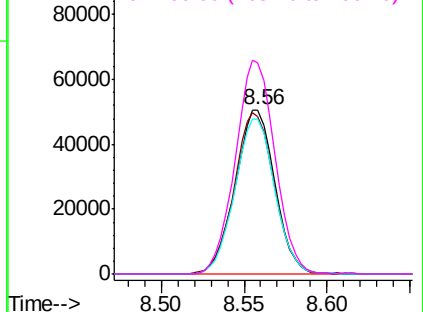
#46
 Tetrachloroethene
 Concen: 51.275 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

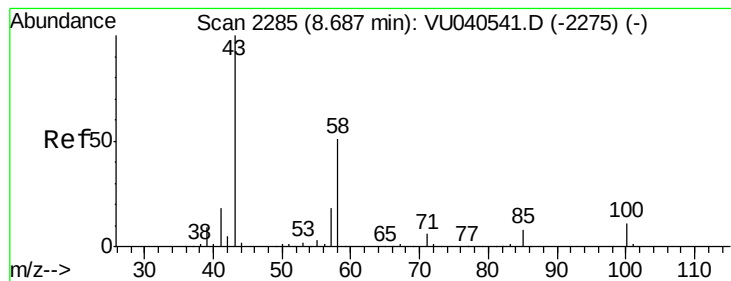
Tgt Ion:	164	Resp:	84043
Ion	Ratio	Lower	Upper
164	100		
129	96.1	67.4	125.2
131	94.1	63.8	118.6
166	129.2	88.7	164.7



Abundance

Ion 164.00 (163.70 to 164.70): VU040625.D (-2152) (-)





#48

2-Hexanone

Concen: 113.015 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB204

Tot Ion: 43 Resp: 350468

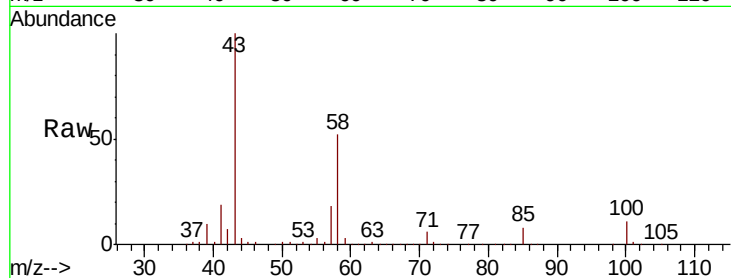
Ion Ratio Lower Upper

43 100

58 51.5 40.6 60.8

57 17.6 14.3 21.5

100 10.9 8.5 12.7

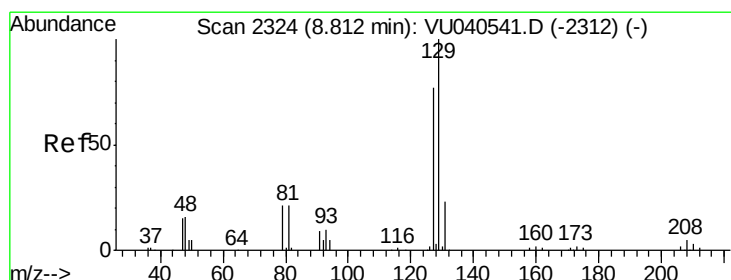
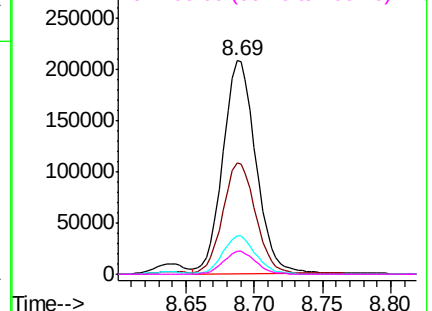
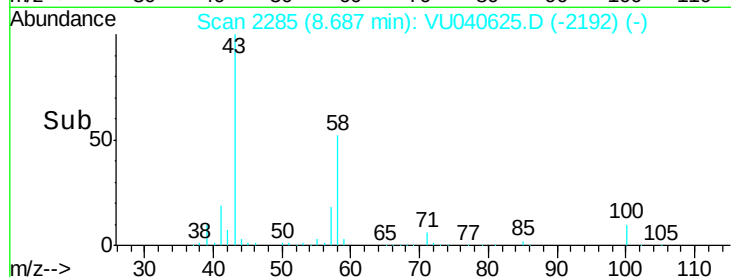


Abundance Ion 43.00 (42.70 to 43.70): VU040625.D (-2192) (-)

Ion 58.00 (57.70 to 58.70): VU040625.D (-2192) (-)

Ion 57.00 (56.70 to 57.70): VU040625.D (-2192) (-)

Ion 100.00 (99.70 to 100.70): VU040625.D (-2192) (-)



#49

Dibromochloromethane

Concen: 50.937 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040625.D

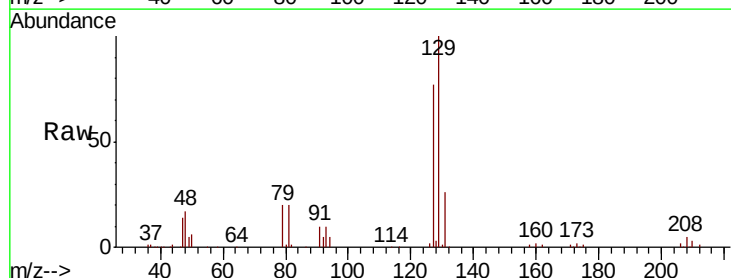
Acq: 10 Oct 2020 10:28

Tgt Ion: 129 Resp: 120478

Ion Ratio Lower Upper

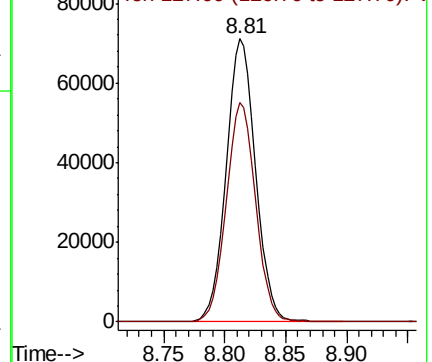
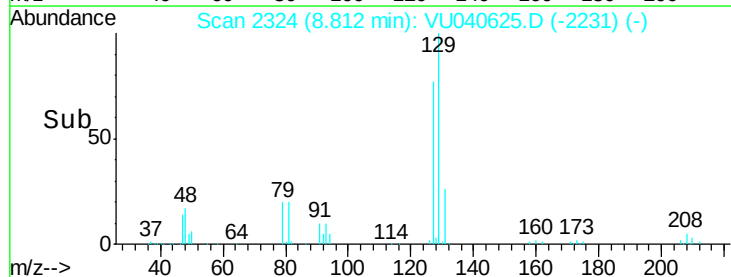
129 100

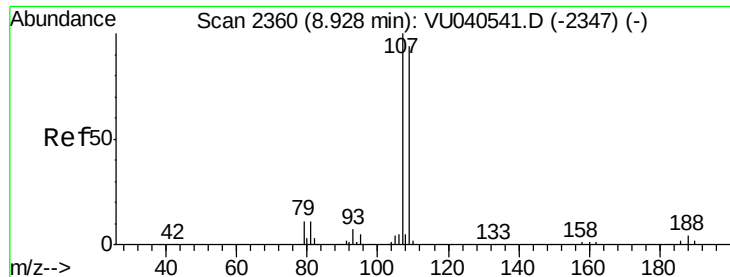
127 77.4 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VU040625.D (-2231) (-)

Ion 127.00 (126.70 to 127.70): VU040625.D (-2231) (-)

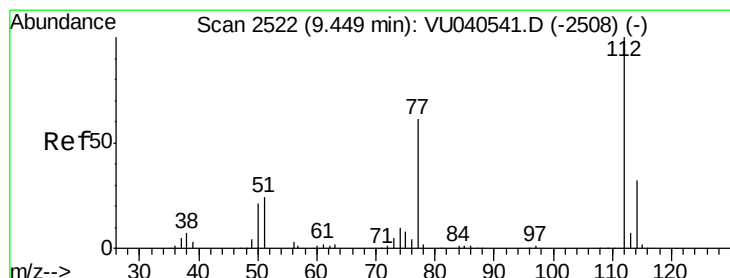
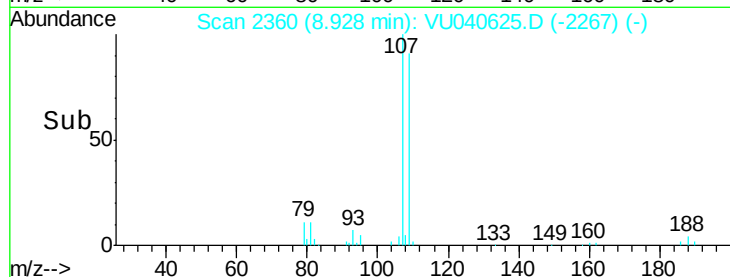
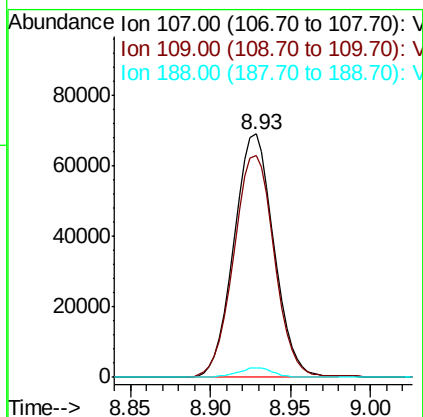
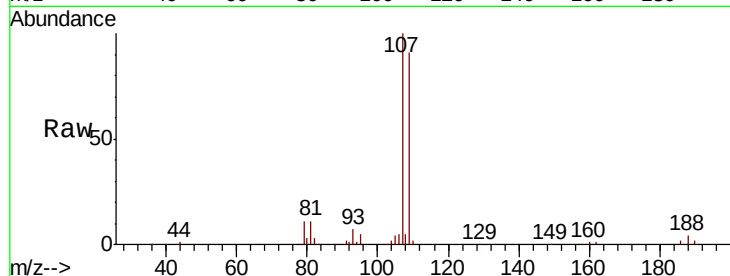




#50
1,2-Dibromoethane
Concen: 51.206 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

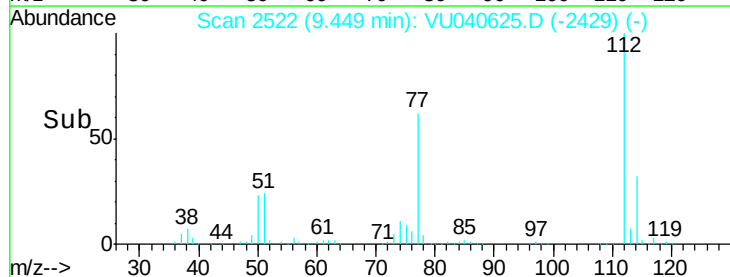
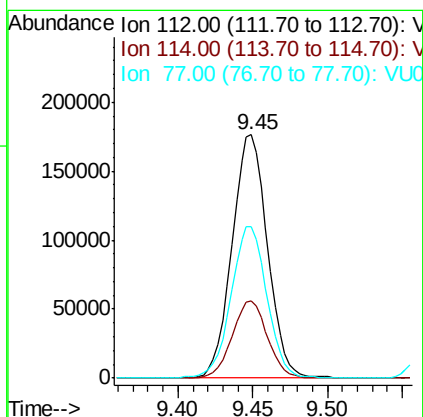
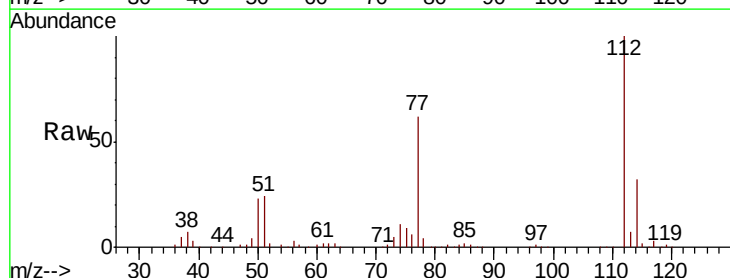
Instrument :
MSVOA_U
ClientSampleId :
BFB204

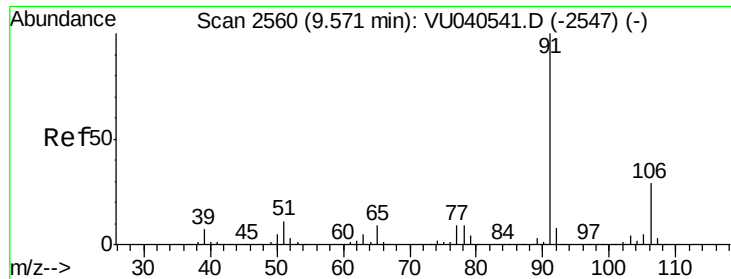
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.1	67.8	125.8
188	4.0	2.8	4.2



#51
Chlorobenzene
Concen: 49.305 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.1	41.1
77	62.2	50.4	75.6

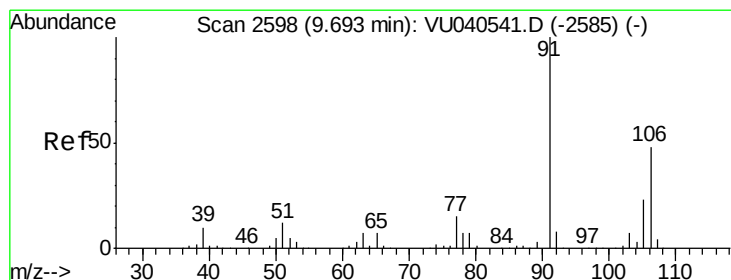
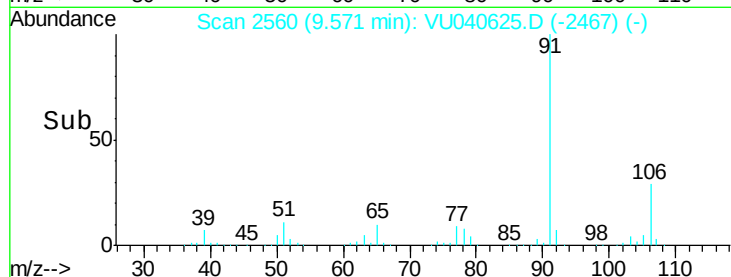
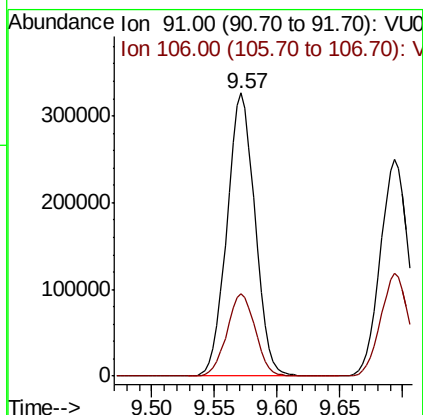
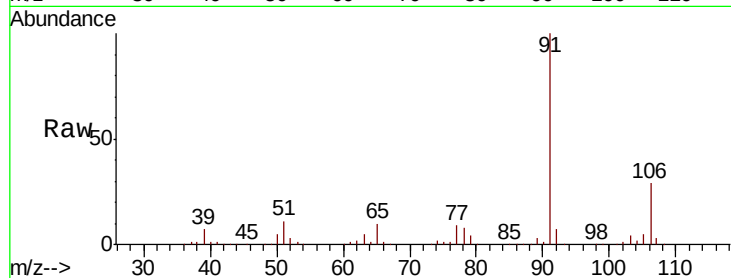




#52
Ethylbenzene
Concen: 51.030 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

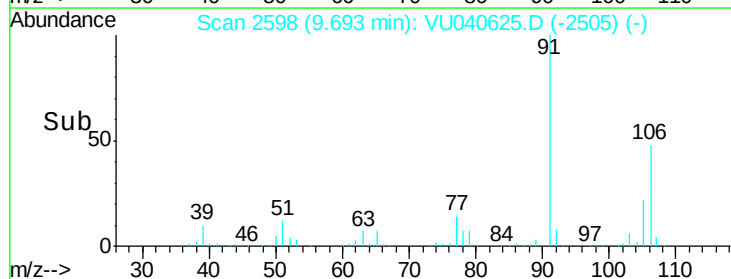
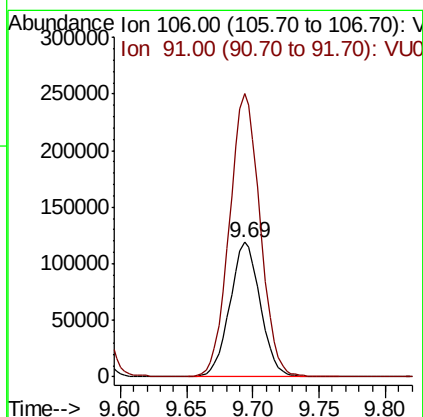
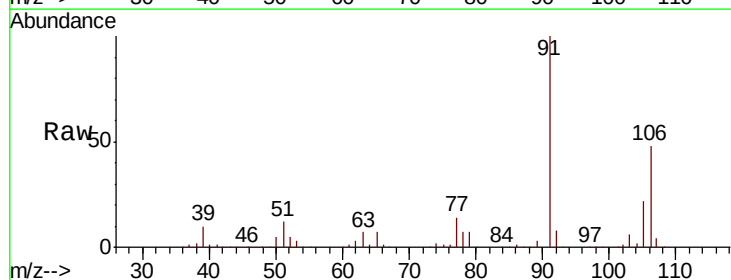
Instrument :
MSVOA_U
ClientSampleId :
BFB204

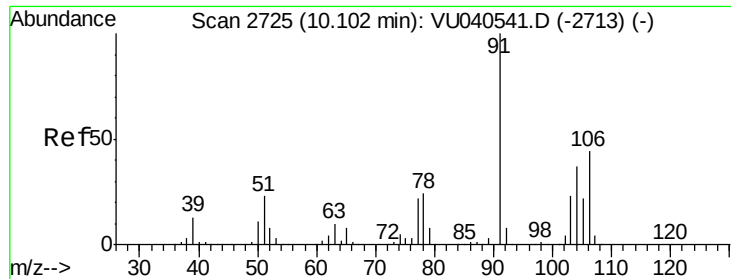
Tot Ion: 91 Resp: 509201
Ion Ratio Lower Upper
91 100
106 29.3 20.9 38.9



#53
m,p-Xylene
Concen: 51.681 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

Tgt Ion: 106 Resp: 189898
Ion Ratio Lower Upper
106 100
91 209.9 150.1 278.7





#54

o-xylene

Concen: 51.734 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

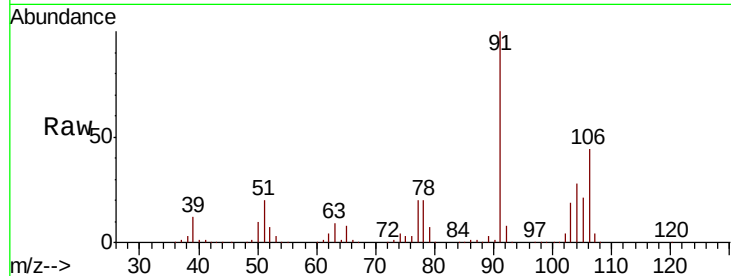
BFB204

Tot Ion:106 Resp: 180860

Ion Ratio Lower Upper

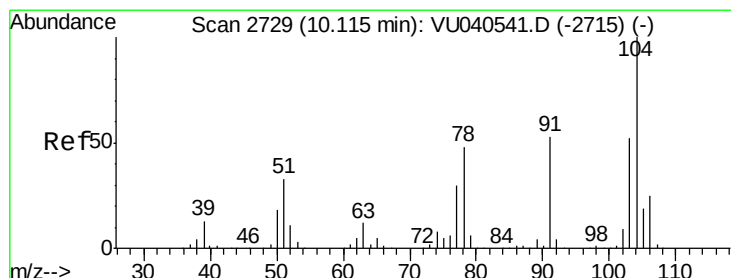
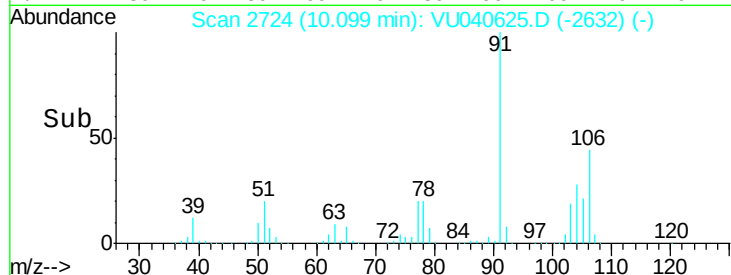
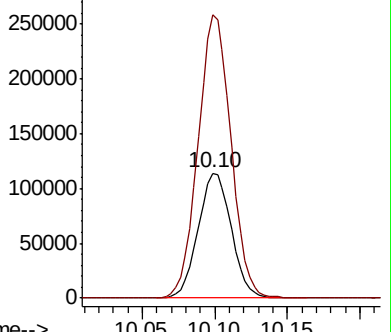
106 100

91 226.7 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.674 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040625.D

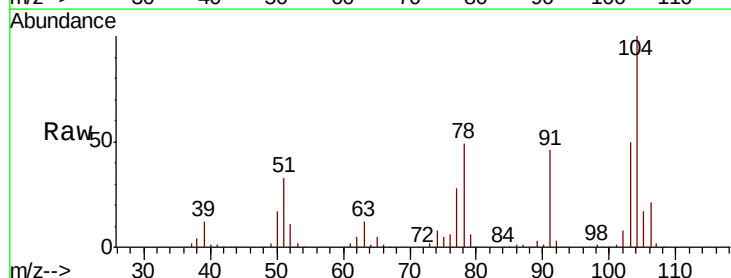
Acq: 10 Oct 2020 10:28

Tgt Ion:104 Resp: 324348

Ion Ratio Lower Upper

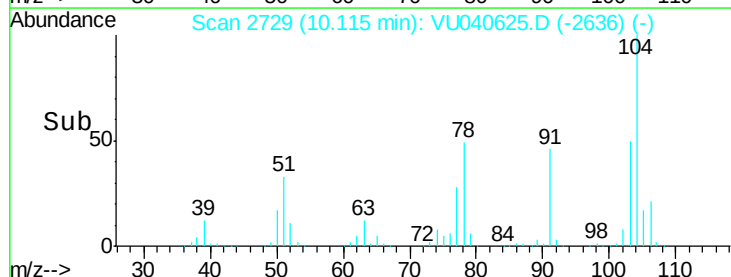
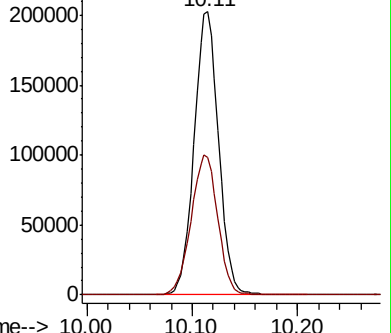
104 100

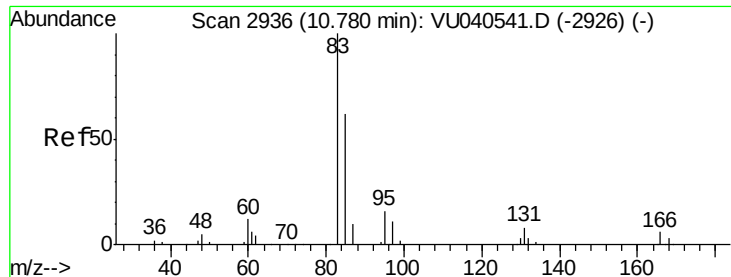
78 48.6 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

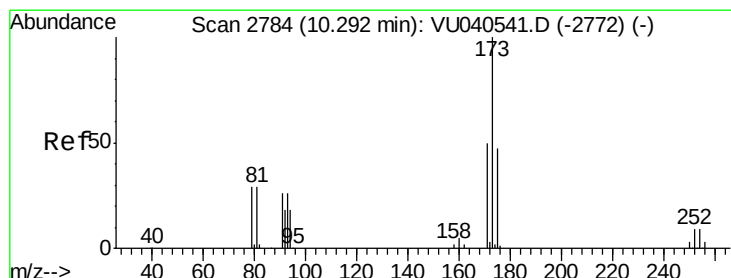
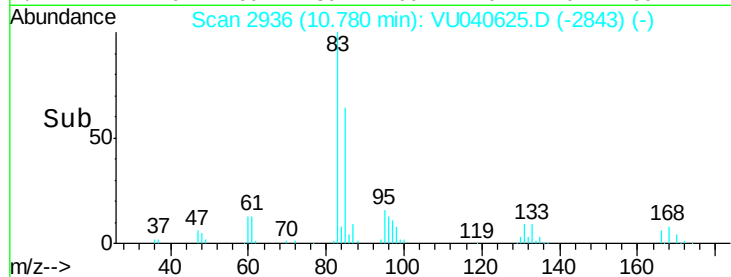
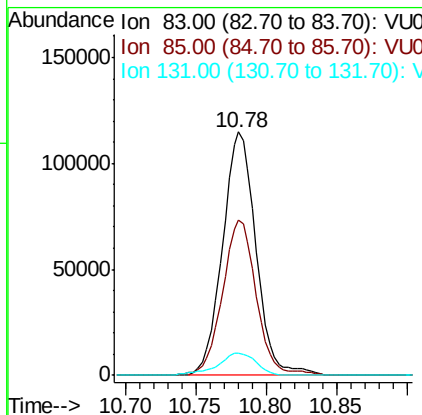
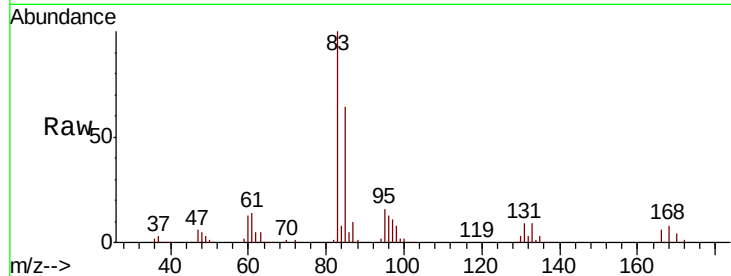




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.457 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

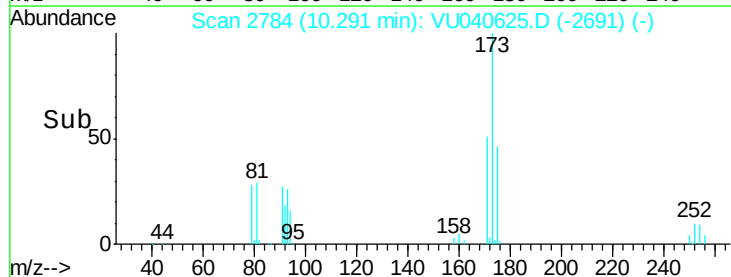
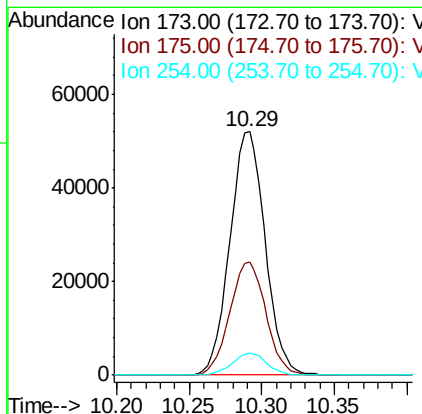
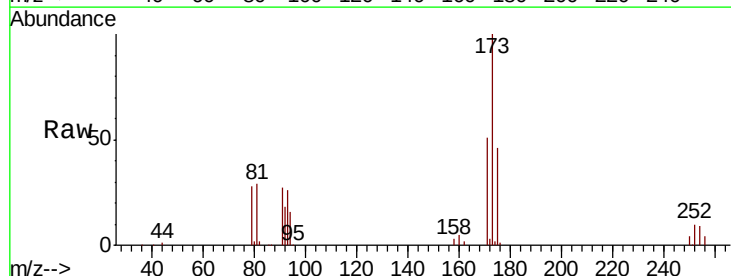
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB204

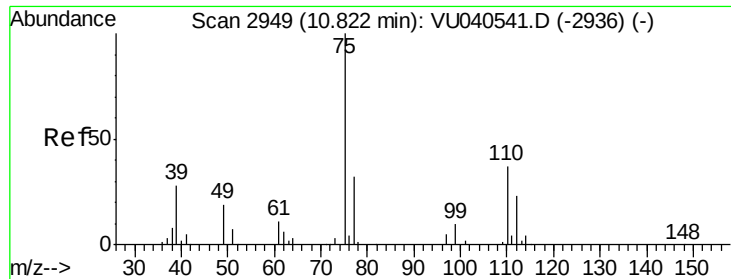
Tot Ion: 83 Resp: 189449
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.2 82.2
 131 9.2 7.1 10.7



#59
 Bromoform
 Concen: 49.794 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Tgt Ion: 173 Resp: 87771
 Ion Ratio Lower Upper
 173 100
 175 47.3 38.5 57.7
 254 8.8 7.0 10.6

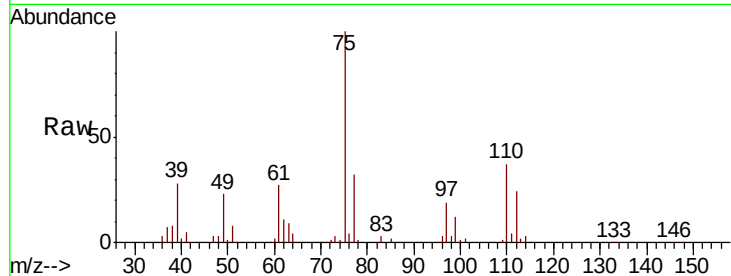




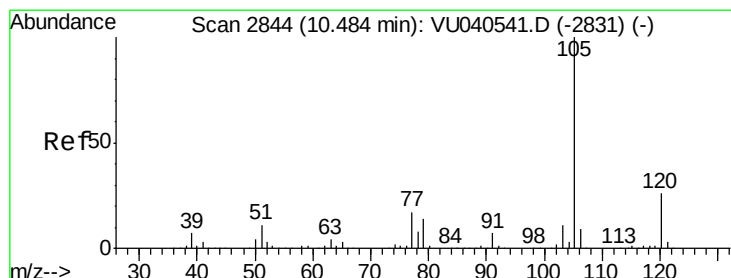
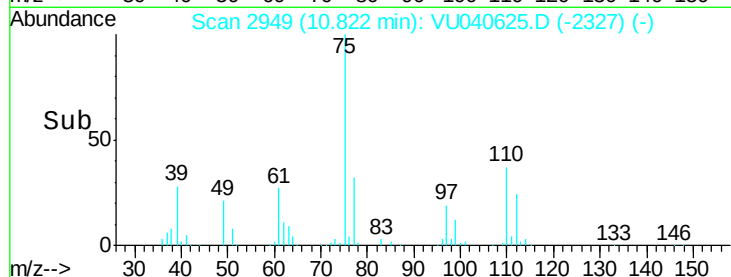
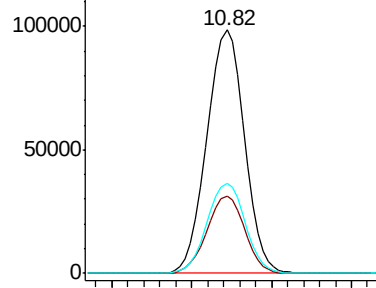
#60
1,2,3-Trichloropropane
Concen: 48.368 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. -0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

Instrument :
MSVOA_U
ClientSampled :
BFB204

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.4	39.6
110	37.4	30.1	45.1

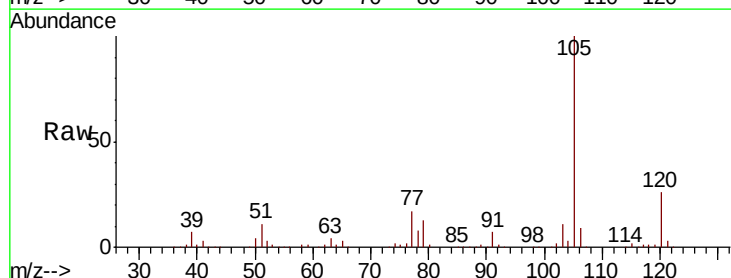


Abundance Ion 75.00 (74.70 to 75.70): VU040541.D (-2936) (-)
Ion 77.00 (76.70 to 77.70): VU040541.D (-2936) (-)
Ion 110.00 (109.70 to 110.70): VU040541.D (-2936) (-)

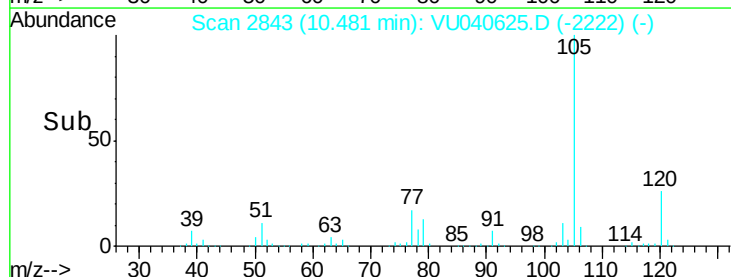
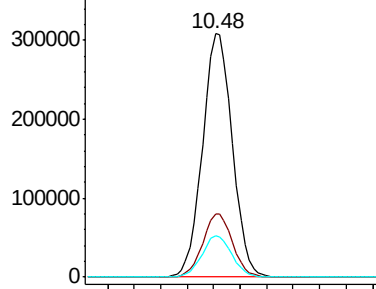


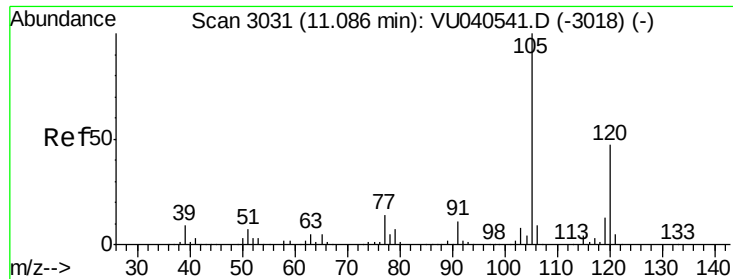
#61
Isopropylbenzene
Concen: 49.763 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU040625.D
Acq: 10 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1
77	17.1	13.8	20.8



Abundance Ion 105.00 (104.70 to 105.70): VU040541.D (-2831) (-)
Ion 120.00 (119.70 to 120.70): VU040541.D (-2831) (-)
Ion 77.00 (76.70 to 77.70): VU040541.D (-2831) (-)





#62

1,3,5-Trimethylbenzene

Concen: 51.535 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

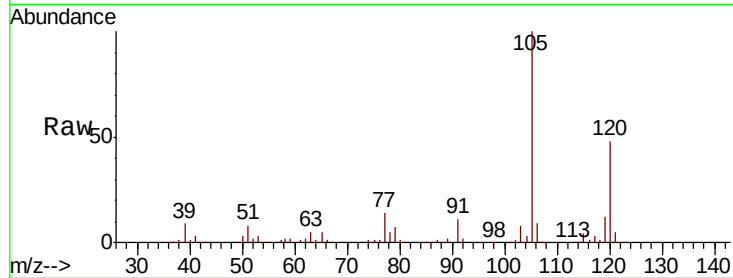
BFB204

Tot Ion:105 Resp: 408938

Ion Ratio Lower Upper

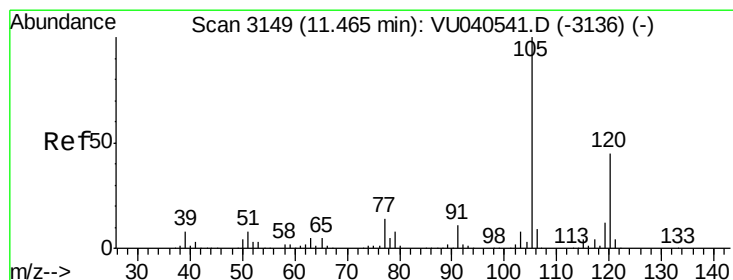
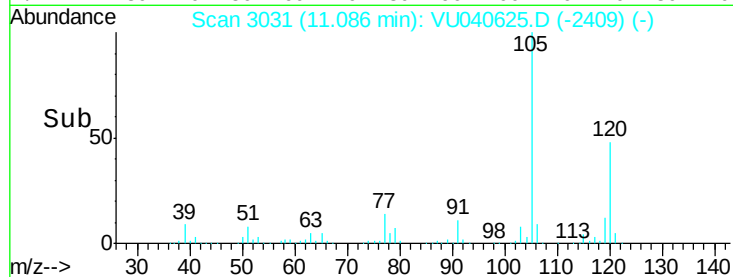
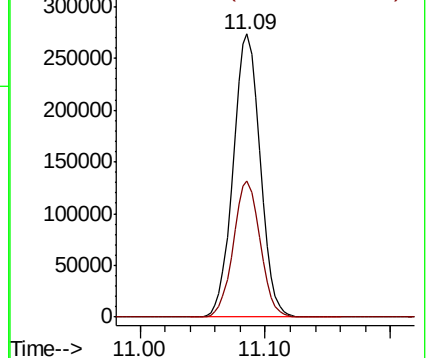
105 100

120 47.7 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 51.101 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU040625.D

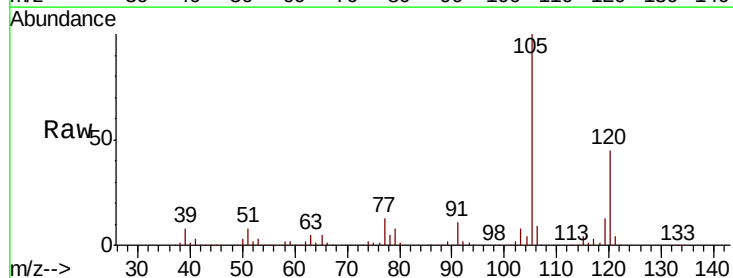
Acq: 10 Oct 2020 10:28

Tgt Ion:105 Resp: 411249

Ion Ratio Lower Upper

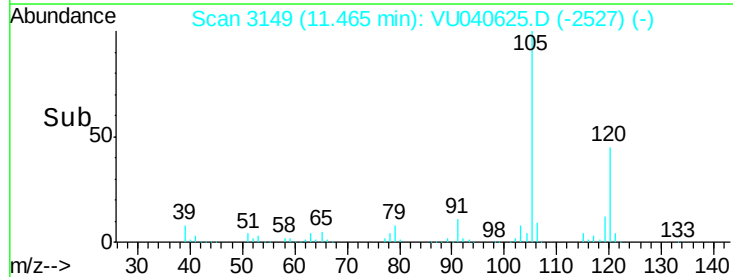
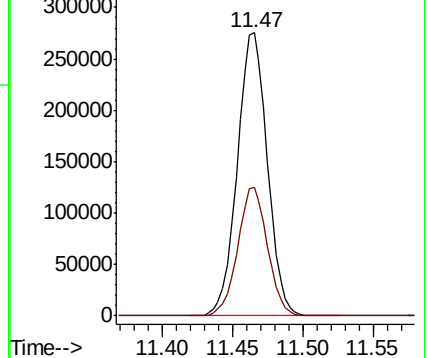
105 100

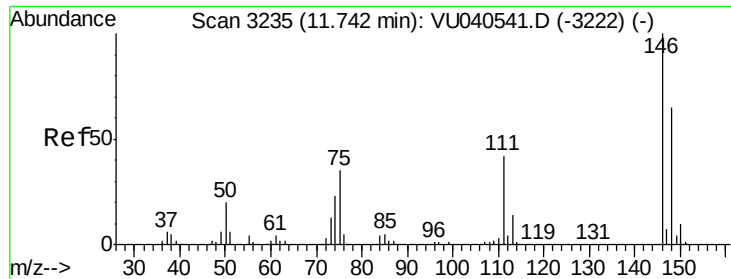
120 44.9 35.7 53.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

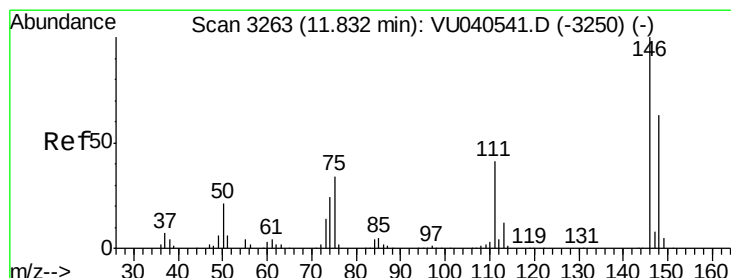
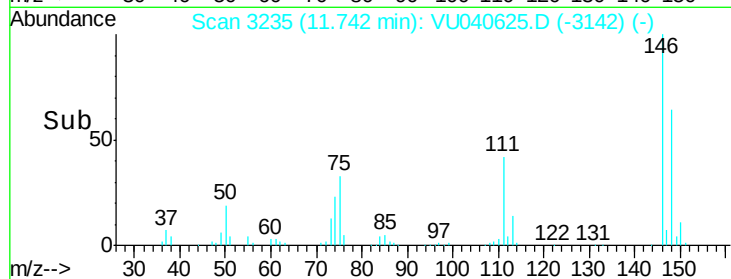
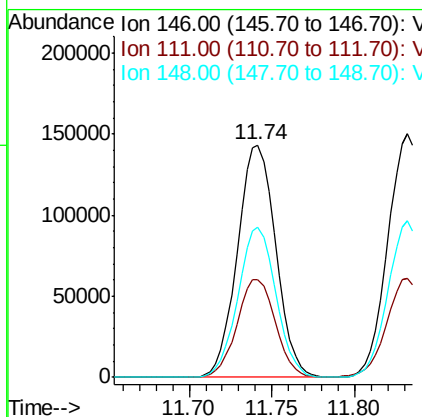
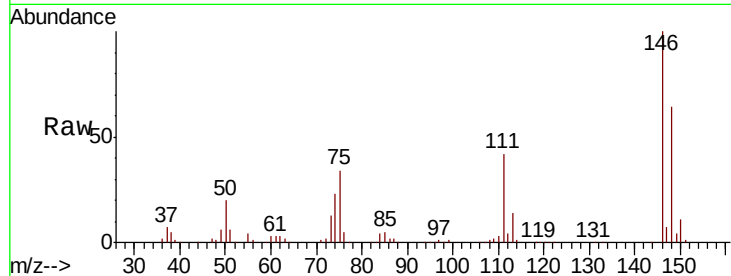




#64
 1,3-Dichlorobenzene
 Concen: 48.905 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

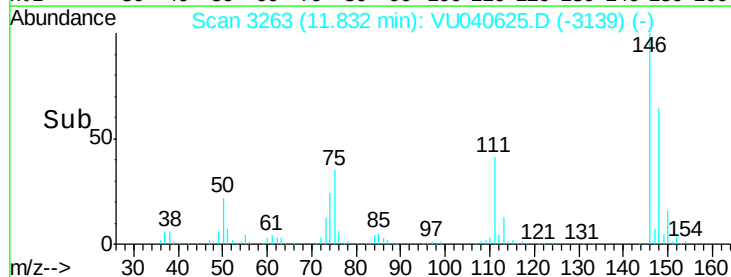
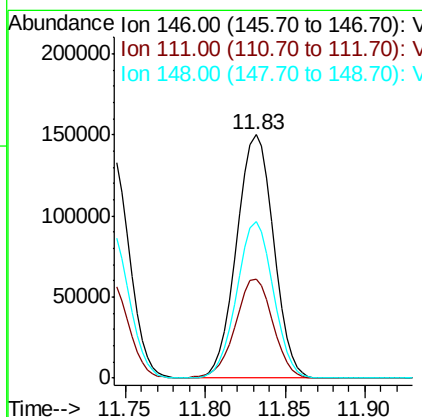
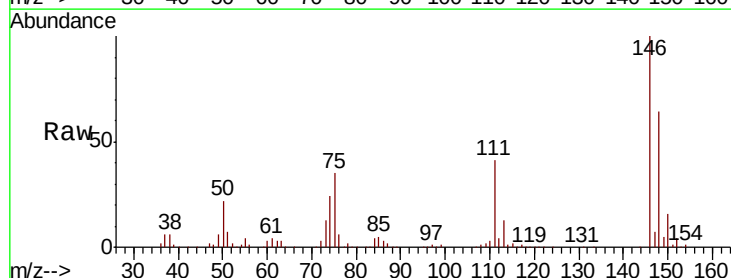
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB204

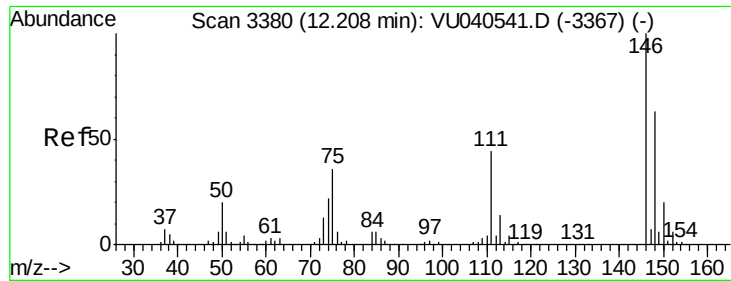
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	30.8	57.2
148	64.4	45.4	84.2



#65
 1,4-Dichlorobenzene
 Concen: 47.734 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.7	53.3
148	64.2	44.1	81.9

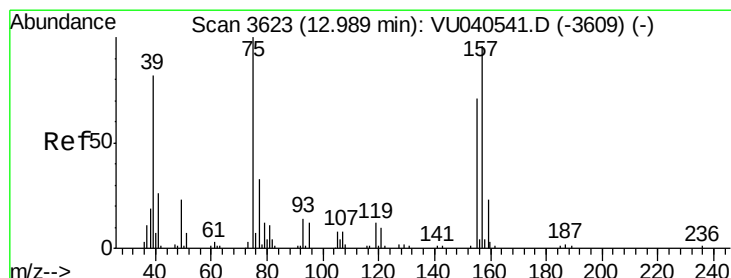
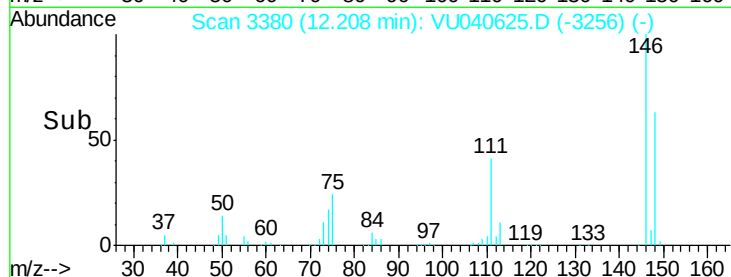
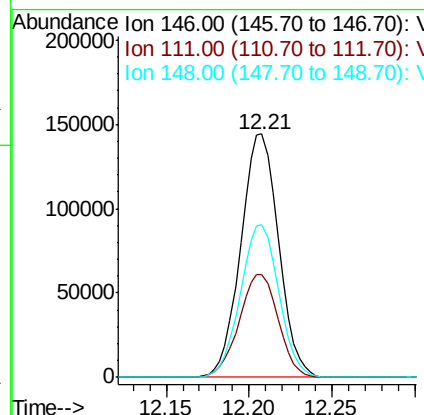
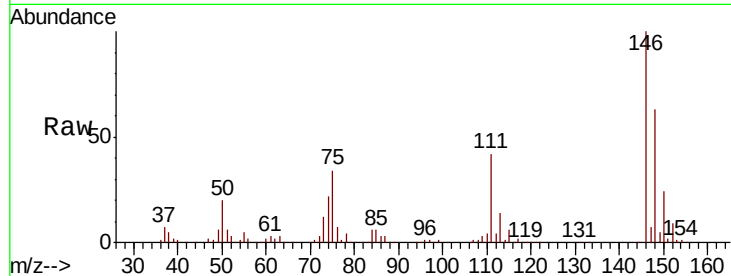




#67
 1,2-Dichlorobenzene
 Concen: 48.569 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

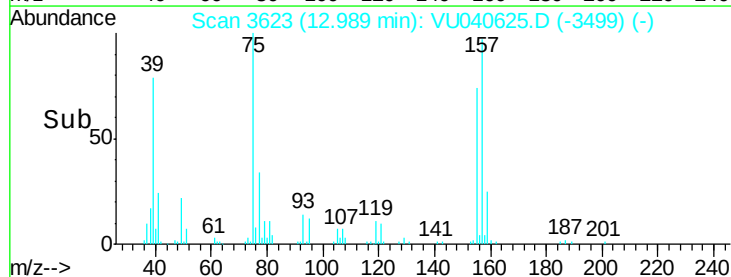
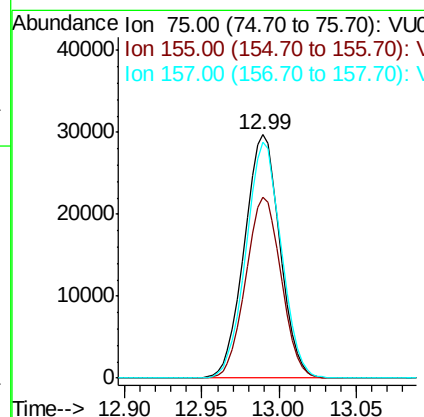
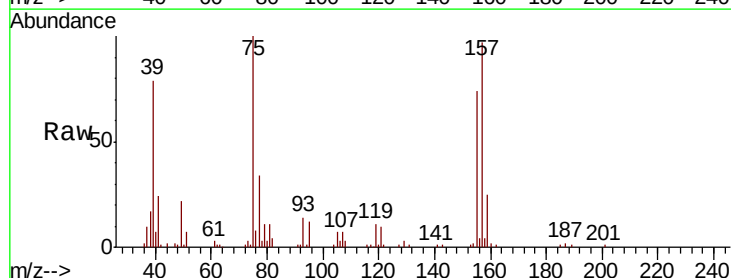
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB204

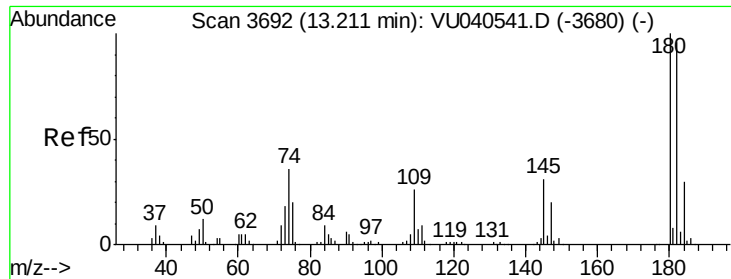
Tot Ion:146 Resp: 229130
 Ion Ratio Lower Upper
 146 100
 111 42.2 35.7 53.5
 148 63.0 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 51.751 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Tgt Ion: 75 Resp: 47498
 Ion Ratio Lower Upper
 75 100
 155 74.5 61.0 91.6
 157 97.1 73.5 110.3

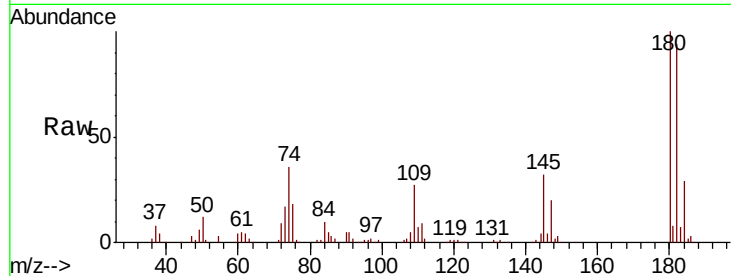




#69
 1,3,5-Trichlorobenzene
 Concen: 51.013 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB204

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
184	29.9	24.2	36.2
145	31.8	25.4	38.2



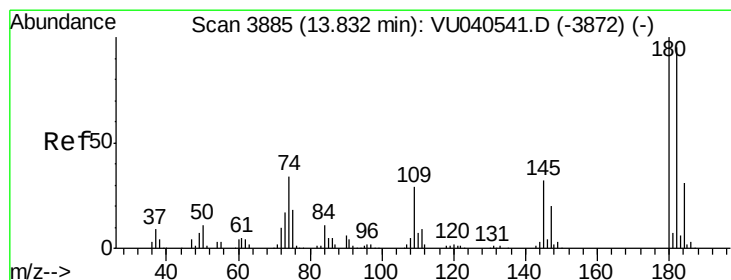
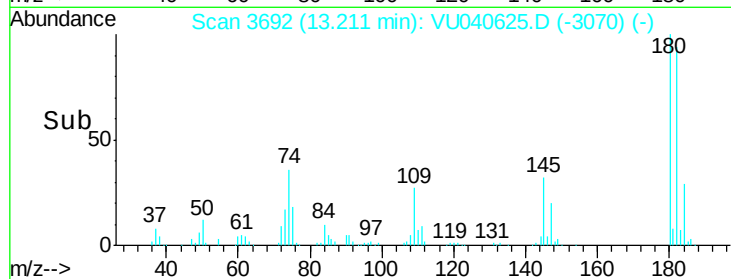
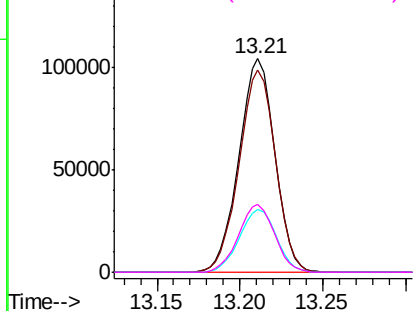
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

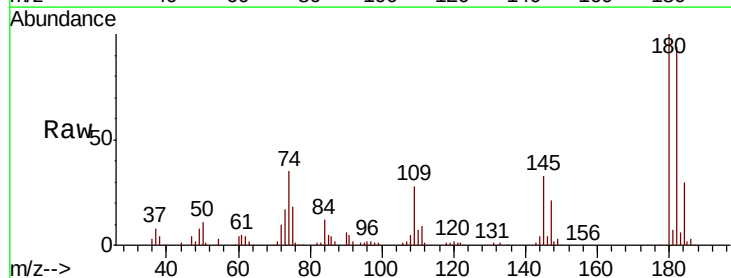
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 51.159 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040625.D
 Acq: 10 Oct 2020 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.0	112.6
145	33.0	25.9	38.9

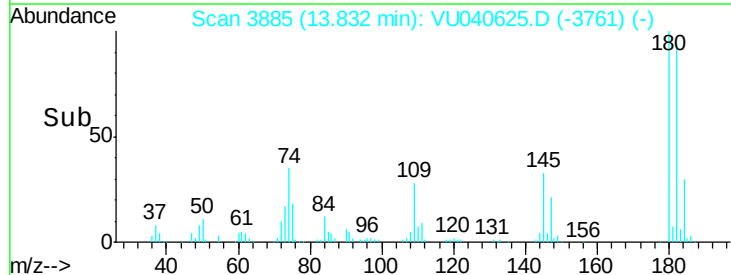
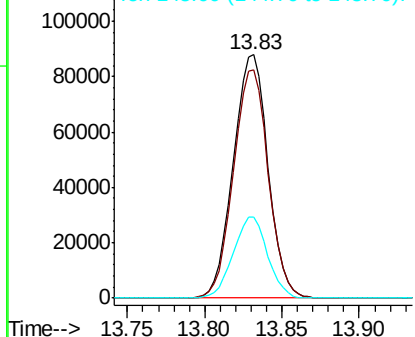


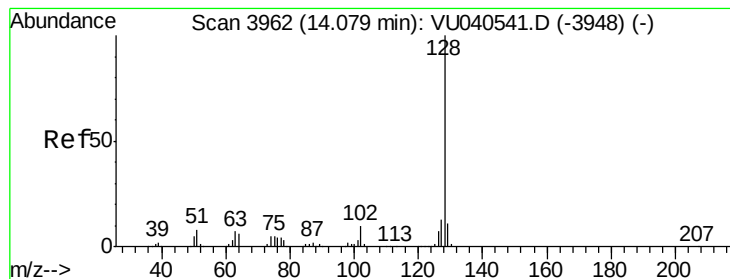
Abundance

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





#71

Naphthalene

Concen: 52.761 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB204

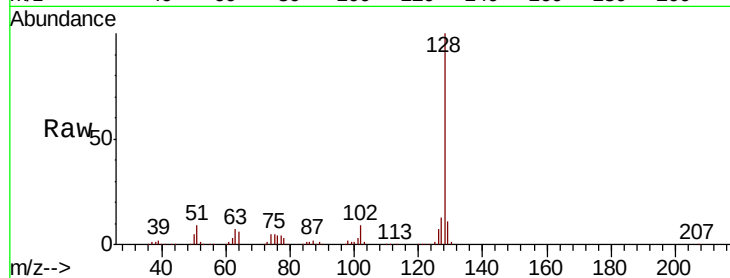
Tot Ion:128 Resp: 436140

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

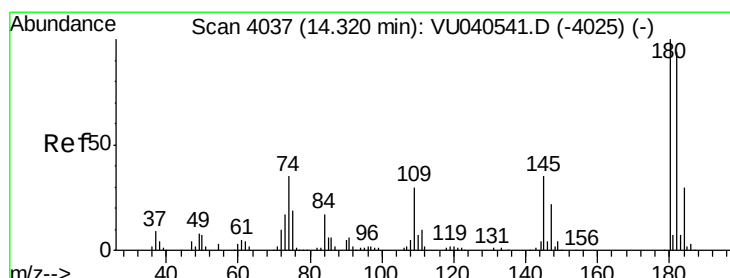
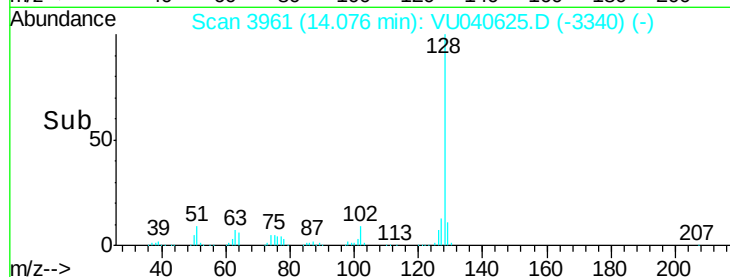
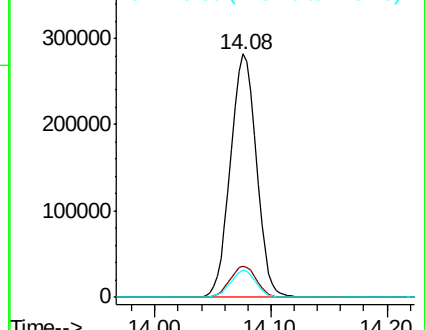
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 52.157 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040625.D

Acq: 10 Oct 2020 10:28

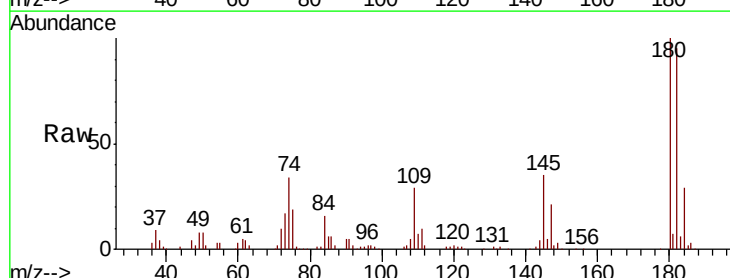
Tgt Ion:180 Resp: 138453

Ion Ratio Lower Upper

180 100

182 96.4 77.7 116.5

145 35.2 28.4 42.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

